

# RF Test Report

Report No.: AGC00552190303EE07

**PRODUCT DESIGNATION** : Smart Phone  
**BRAND NAME** : CUBOT  
**MODEL NAME** : J7  
**APPLICANT** : Shenzhen Huafurui Technology Co., Ltd.  
**DATE OF ISSUE** : Apr. 22, 2019  
**STANDARD(S)** : EN 301 908-1 V11.1.1 (2016-07)  
: EN 301 908-2 V11.1.2 (2017-08)  
**REPORT VERSION** : V1.0

**Attestation of Global Compliance (Shenzhen) Co., Ltd**

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### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Apr. 22, 2019	Valid	Initial release

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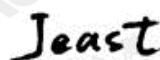


## 1. TEST REPORT CERTIFICATION

<b>Applicant</b>	Shenzhen Huafului Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
<b>Manufacturer</b>	Shenzhen Huafului Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
<b>Factory Name</b>	Shenzhen Huafului Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
<b>Product Designation</b>	Smart Phone
<b>Brand Name</b>	CUBOT
<b>Test Model</b>	J7
<b>Date of test</b>	Apr. 01, 2019~Apr. 22, 2019
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Report Template</b>	AGCRT-EC-3G1/RF

We, Attestation of Global Compliance (Shenzhen) Co., Ltd., for compliance with the requirements set forth in the European Standard ETSI EN 301 908-1/-2. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. The test results of this report relate only to the tested sample identified in this report.

Tested By



Jeast Zhan(Zhan jiangdong)

Apr. 22, 2019

Reviewed By



Max Zhang(Zhang Yi)

Apr. 22, 2019

Approved By



 Forrest Lei(Lei Yonggang)  
 Authorized Officer

Apr. 22, 2019

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## 2. GENERAL INFORMATION

### 2.1. DESCRIPTION OF EUT

#### 2.1.1. FINAL EQUIPMENT BUILD STATUS

Details of technical specification refer to the description in follows:

<b>Product Name</b>	Smart Phone
<b>Brand Name</b>	CUBOT
<b>Test Model</b>	J7
<b>Product Type</b>	UMTS
<b>Hardware Version</b>	E553_MAIN_PCB_V1.1
<b>Software Version</b>	E553_CQ_9055_80_PO_V01_S20190308
<b>UMTS Frequency Bands</b>	<input checked="" type="checkbox"/> FDD Band I <input checked="" type="checkbox"/> FDD Band VIII (EU Bands) <input type="checkbox"/> FDD Band V <input type="checkbox"/> FDD Band II (Non-EU Bands)
<b>Modulation Mode</b>	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
<b>Antenna Type</b>	PIFA antenna
<b>Antenna Gain</b>	1.0dBi
<b>Power Class</b>	FDD Band I:3, FDD Band VIII:3
<b>GSM Release Version</b>	N/A
<b>SIM Card Description</b>	There are dual-SIM cards, just one for GSM/WCDMA and the other only for GSM.

#### 2.1.2. PHOTOGRAPHS OF THE EUT

Please see APPENX A for photographs of the EUT.

#### 2.1.3. IDENTIFICATION OF SAMPLES EUT

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by AGC, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

##### SAMPLE A01

<b>Sample Reference Number</b>	A01
<b>Factory Name</b>	Shenzhen Huafului Technology Co., Ltd.
<b>Test Model</b>	J7
<b>Product Type</b>	FDD Band I, FDD Band VIII
<b>Frequency Bands</b>	HSDPA:QPSK/16QAM;HSUPA:BPSK WCDMA: QPSK

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## 2.2. TYPE OF PICS/PIXIT INFORMATION

Item	Release	FDD (DS) RF Baseline Implementation capabilities	Support	Allowed Value	Comments
1	R99	Chip rate 3.84 Mbps	YES	Yes/No	--
2	R99	Frequency band: 1920-1980, 2110-2170 MHz	YES	Yes/No	Band I
3	R99	Frequency band: 1850-1910, 1930-1990 MHz	NO	Yes/No	Band II
9	R99	UE Power Class 1 (+33 dBm)	NO	Yes/No	--
10	R99	UE Power Class 2 (+27 dBm)	NO	Yes/No	--
11	R99	UE Power Class 3 (+24 dBm)	YES	Yes/No	--
12	R99	UE Power Class 4 (+21 dBm)	NO	Yes/No	--
14	R99	Frequency band: 1710-1785, 1805-1880 MHz	NO	Yes/No	Band III
15	R99	Frequency band: 1710-1755, 2110-2155 MHz	NO	Yes/No	Band IV
16	R99	Frequency band: 824-849, 869-894 MHz	NO	Yes/No	Band V
17	R99	Frequency band: 830-840, 875-885 MHz	NO	Yes/No	Band VI
18	R99	Frequency band: 2500-2570, 2620-2690 MHz	NO	Yes/No	Band VII
19	R99	Frequency band: 880-915, 925-960 MHz	YES	Yes/No	Band VIII
20	R99	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	NO	Yes/No	Band IX
21	R99	Frequency band: 1710-1770, 2110-2170 MHz	NO	Yes/No	Band X
22	R99	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	NO	Yes/No	Band XI
23	R99	Frequency band: 698-716, 728-746 MHz	NO	Yes/No	Band XII
24	R99	Frequency band: 777-787, 746-756 MHz	NO	Yes/No	Band XIII
25	R99	Frequency band: 788-798, 758-768 MHz	NO	Yes/No	Band XIV

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### 3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

<b>Test Site-1</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China

Note: adjacent channel selectivity, blocking characteristics, intermodulation characteristics of receiver test within the scope of TAF approval.

#### LIST OF EQUIPMENTS USED OF AGC

No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
1	H & T Chamber ETH225-40A	Test EQ	WIT-05121302	Feb. 27, 2019	Feb. 26, 2020
2	CMU200	R&S	120237	Feb. 27, 2019	Feb. 26, 2020
3	Wireless communication test set 8960	Agilent	GB46200384	July 13, 2018	July 12, 2019
4	Power Splitter 11636A	Agilent	34	Sep.20, 2018	Sep.19, 2019
5	Attenuator	JFW	50FHC-006-50	June 12, 2018	June 11, 2019
6	Vector Signal Generator SMU200A	R&S	104332	Sep.20, 2018	Sep.19, 2019
7	VECTOR ANALYZER E4440A	Agilent	MY44303916	June 12, 2018	June 11, 2019
8	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep.20, 2018	Sep.19, 2019
9	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep.20, 2018	Sep.19, 2019
10	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Dec. 20, 2018	Dec. 19, 2019
11	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
12	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.18, 2018	Aug.17, 2019
13	DC Power Source	N/A	GBD-60V30A	Feb. 27, 2019	Feb. 26, 2020
14	Attenuator	JFW	50FHC-006-50	June 12, 2018	June 11, 2019
15	EMI Test Receiver ESCI	R&S	10096	June 12, 2018	June 11, 2019
16	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020
17	Trilog Broadband Antenna VULB 9168	SCHWARZBEC K	494	Mar. 01, 2018	Feb. 28, 2020
18	LOOP ANTENNA SAS-562B	A.H	/	Mar. 01, 2018	Feb. 28, 2020

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No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
19	Artificial Mains Network ENV4200	R&S	101116	July 13, 2018	July 12, 2019
20	Artificial Mains Network ENV216	R&S	101242	July 13, 2018	July 12, 2019
21	Filter Bank Notch 1(880-915MHz)	MICRO-TRONI CS	010	Feb. 27, 2019	Feb. 26, 2020
22	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONI CS	009	Feb. 27, 2019	Feb. 26, 2020
23	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONI CS	008	Feb. 27, 2019	Feb. 26, 2020

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#### 4. MEASUREMENT UNCERTAINTY

Parameter	Conditions	Test System Uncertainty
Transmitter Maximum Output power	--	±0,6dB
Transmitter spectrum emissions mask	--	±1,4 dB
Transmitter spurious emissions	$f \leq 2,2 \text{ GHz}$	±1,35 dB
	$2,2 \text{ GHz} < f \leq 4 \text{ GHz}$	±1.8 dB
	$f > 4 \text{ GHz}$	±3.5 dB
	Co-existence band ( $\geq -60 \text{ dBm}$ )	±1.8 dB
	Co-existence band ( $< -60 \text{ dBm}$ )	±2.7 dB
Transmitter Minimum output power	--	±0.8 dB
Receiver Adjacent Channel Selectivity(ACS)	--	±0.9 dB
Receiver Blocking characteristics	$f < 15 \text{ MHz offset:}$	±1,1 dB
	$15 \text{ MHz offset} \leq f \leq 2,2 \text{ GHz}$	±0.8 dB
	$2,2 \text{ GHz} < f \leq 4 \text{ GHz}$	±1,5 dB
	$f > 4 \text{ GHz}$	±2.9 dB
Receiver spurious response	$f \leq 2,2 \text{ GHz}$	±0.8 dB
	$2,2 \text{ GHz} < f \leq 4 \text{ GHz}$	±1,5 dB
	$f > 4 \text{ GHz}$	±2.9 dB
Receiver intermodulation characteristics	--	±1,2 dB
Receiver spurious emissions	For UE receive band (-60 dBm)	±2.8 dB
	For UE transmit band (-60 dBm)	±2.9 dB
	Outside the UE receive band:	±1.8 dB
	$f \leq 2,2 \text{ GHz}$	±1.7 dB
	$2,2 \text{ GHz} < f \leq 4 \text{ GHz}$	±3.6 dB
Out of synchronization of handing power	DPCCH Ec/Ior	±0,3 dB
	Transmit OFF power	±0.8 dB
Transmitter adjacent channel leakage power ratio	--	±0,7 dB
Effective radiated RF power between 30 MHz and 180 MHz	--	±5 dB
Effective radiated RF power between 180 MHz and 12,75 GHz	--	±2 dB
Conducted RF power	--	±0.9 dB

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## 5. TEST RESULT

### 5.1. APPLIED REFERENCE DOCUMENTS

Leading reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
2	ETSI EN 301 908-2	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)

Specific reference documents for testing:

No.	Identity	Document Title
3	3GPP TS 34.121-1	3rd Generation Partnership Project; Technical Specification Group Radio Access Network ; Terminal conformance specification; Radio transmission and reception (FDD)
4	3GPP TS 34.121-2	3rd Generation Partnership Project; Technical Specification Group Radio Access Network User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)

### 5.2. TEST ENVIRONMENT/CONDITIONS

Normal Temperature (NT)	15 ... 35 °C
Relative Humidity	30 ... 75 %
Air Pressure	980 ... 1020 kPa
Adapter Test Model Name	TPA-97050100VU
Details of Power Supply (Rated Input)	AC100-240V, 50/60Hz 0.15A
Details of Power Supply (Rated Output)	DC5.0V,1000mA
Extreme Temperature	Low Temperature (TL) = -10°C High Temperature (TH) = +40°C
Extreme Voltage of the EUT	Low Voltage = DC 3.4V Normal Voltage= DC 3.8V High Voltage = DC 4.35V

**Note:** The Limit Voltage 4.35V was declared by manufacturer, The EUT couldn't be operate normally with higher voltage.  
 The maximum temperature of 40 is not a standard requirement and is measured according to the maximum service temperature stated by the manufacturer.

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### 5.3. ITEMS USED IN THE TEST RESULTS LIST

Terms in the column “Verdict” for the test results list of the section:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
INC.	EUT did not pass and did not fail this test case, therefore the verdict is inconclusive
FOUR-FAITH	Test case not applicable for the EUT, see the column “Note” for detailed

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**5.4. TEST RESULTS LIST**  
**ETSI EN 301 908-1**

Test case	Description	Condition	FDDI		FDDVIII	
			Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS

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**ETSI EN 301 908-2**

Test case	Description	Condition	FDDI		FDDVIII	
			Sample	Result	Sample	Result
4.2.2	Transmitter Characteristics/Maximum Output Power	NTC	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	HT/HV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	HT/LV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	LT/HV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	LT/LV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	NTC	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	HTHV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	HTLV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	LT/HV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	LT/LV	A01	PASS	A01	PASS
4.2.11	Transmitter Characteristics/Output Dynamics in the Uplink/Out-of-synchronization Handling of Output power	NTC	A01	PASS	A01	PASS
4.2.3	Transmitter Characteristics/Spectrum Emission Mask	NTC	A01	PASS	A01	PASS
4.2.3	Transmitter Characteristics/Spectrum Emission Mask-HSDPA&HSUPA	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio	HT/HV	A01	PASS	A01	PASS

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	(ACLR)					
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	HT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	LT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	LT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	HT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	HT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	LT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	LT/LV	A01	PASS	A01	PASS
4.2.4	Transmitter Characteristics/Spurious Emissions	NTC	A01	PASS	A01	PASS
4.2.6	Receiver Characteristics/Adjacent Channel Selectivity (ACS)	NTC	A01	PASS	A01	PASS
4.2.7	Receiver Characteristics/Blocking Characteristics	NTC	A01	PASS	A01	PASS
4.2.8	Receiver Characteristics/Spurious Response	NTC	A01	PASS	A01	PASS
4.2.9	Receiver Characteristics /Intermodulation Characteristics	NTC	A01	PASS	A01	PASS

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4.2.10	Receiver Characteristics/Spurious Emissions	NTC	A01	PASS	A01	PASS
4.2.13	Receiver Reference Sensitivity level	NTC	A01	PASS	A01	PASS

**Note:** The test result is SIM Card 1 ( only SIM Card 1 support WCDMA ) and recorded in the test report.

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## Appendix A. Transmitter maximum output power

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	23.12	24(+1.7/-3.7)	Pass
		MCH	23.33	24(+1.7/-3.7)	Pass
		HCH	23.05	24(+1.7/-3.7)	Pass
Band VIII	TNVN	LCH	24.67	24(+1.7/-3.7)	Pass
		MCH	24.66	24(+1.7/-3.7)	Pass
		HCH	24.44	24(+1.7/-3.7)	Pass

## Appendix B. Transmitter minimum output power

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	-56.51	-49	Pass
		MCH	-56.35	-49	Pass
		HCH	-56.24	-49	Pass
Band VIII	TNVN	LCH	-54.20	-49	Pass
		MCH	-54.57	-49	Pass
		HCH	-54.63	-49	Pass

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## Appendix C. Transmitter spectrum emission mask

### BAND I

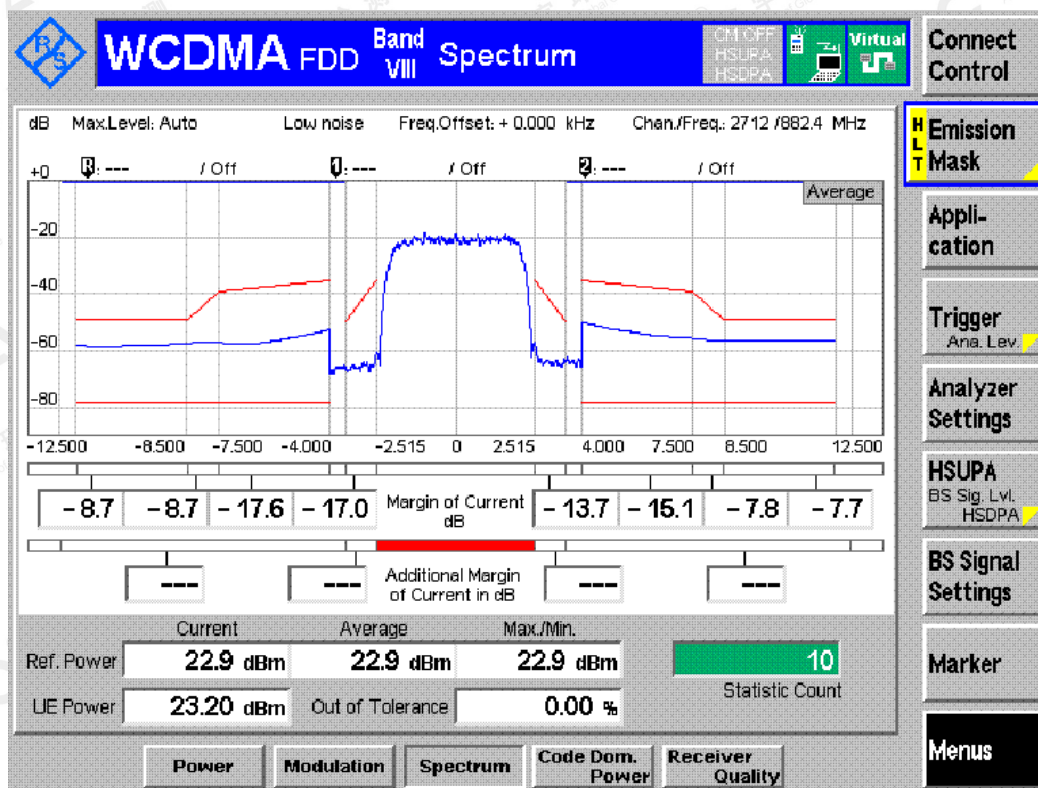
Operating Band	Test Conditions	$\Delta f$ in MHz	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	2.5-3.5	PASS	PASS	PASS
		3.5-7.5			
		7.5-8.5			
		8.5-12.5 MHz			

### BAND VIII

Operating Band	Test Conditions	$\Delta f$ in MHz	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	2.5-3.5	PASS	PASS	PASS
		3.5-7.5			
		7.5-8.5			
		8.5-12.5 MHz			

### BAND I

#### Channel LCH



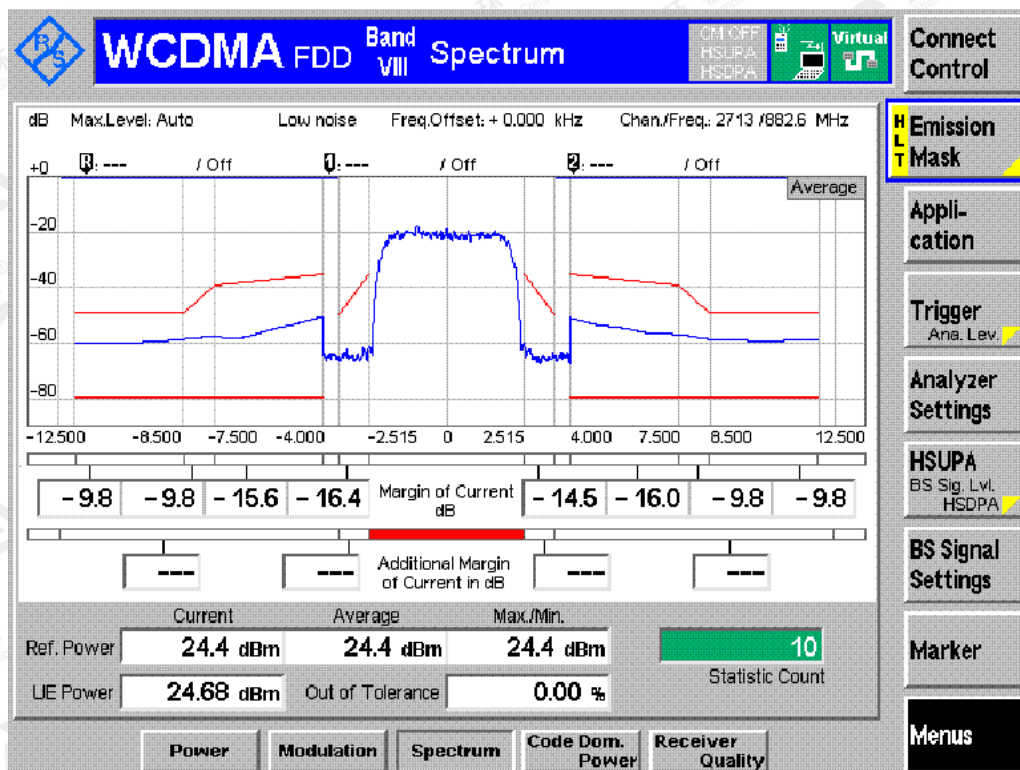
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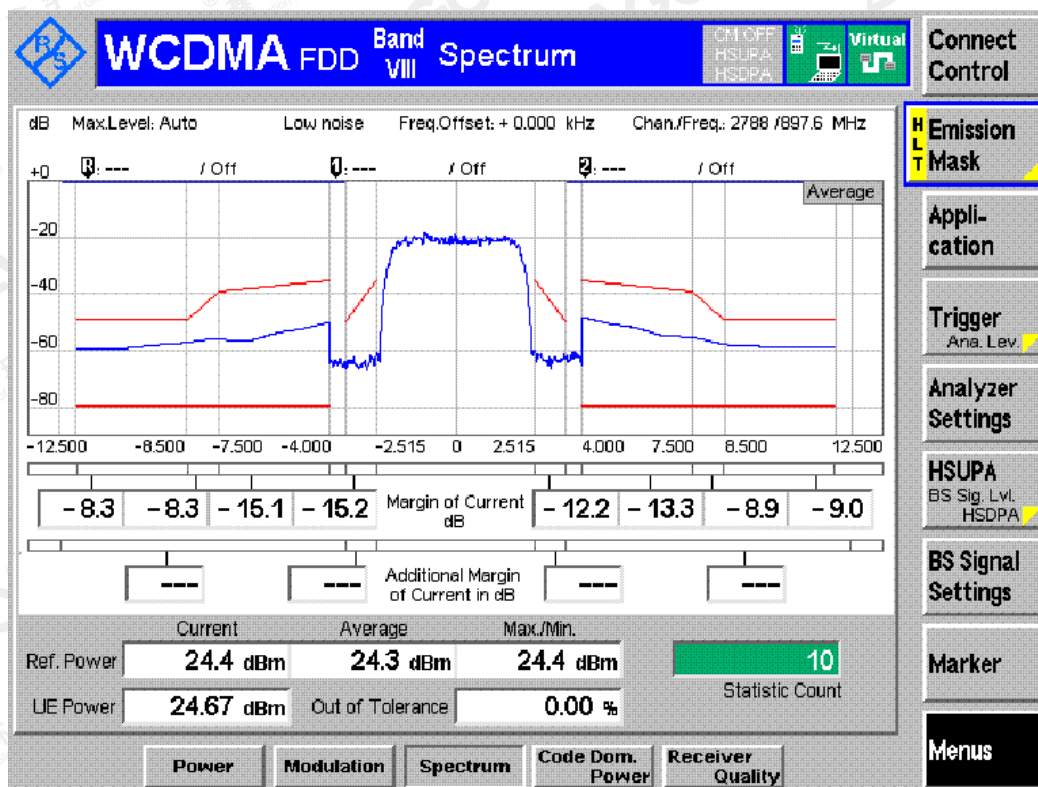


## BAND VIII

### Channel LCH

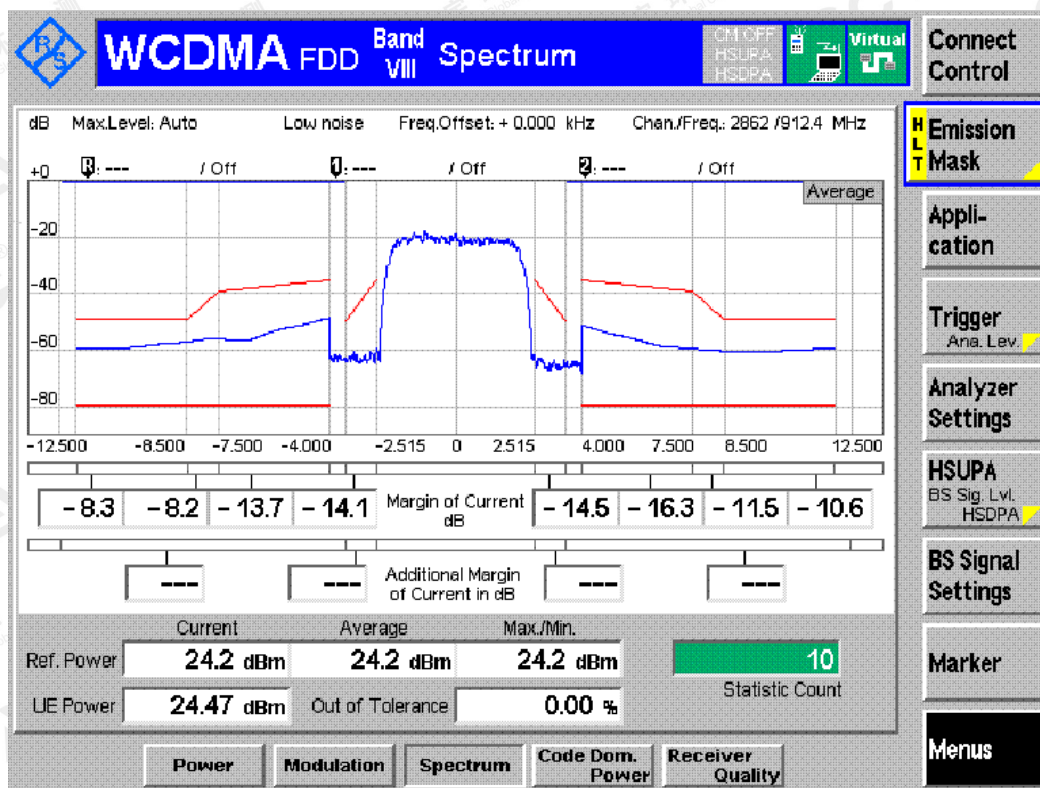


### Channel MCH



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Channel HCH



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## Appendix D. Transmitter adjacent channel leakage power ratio

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

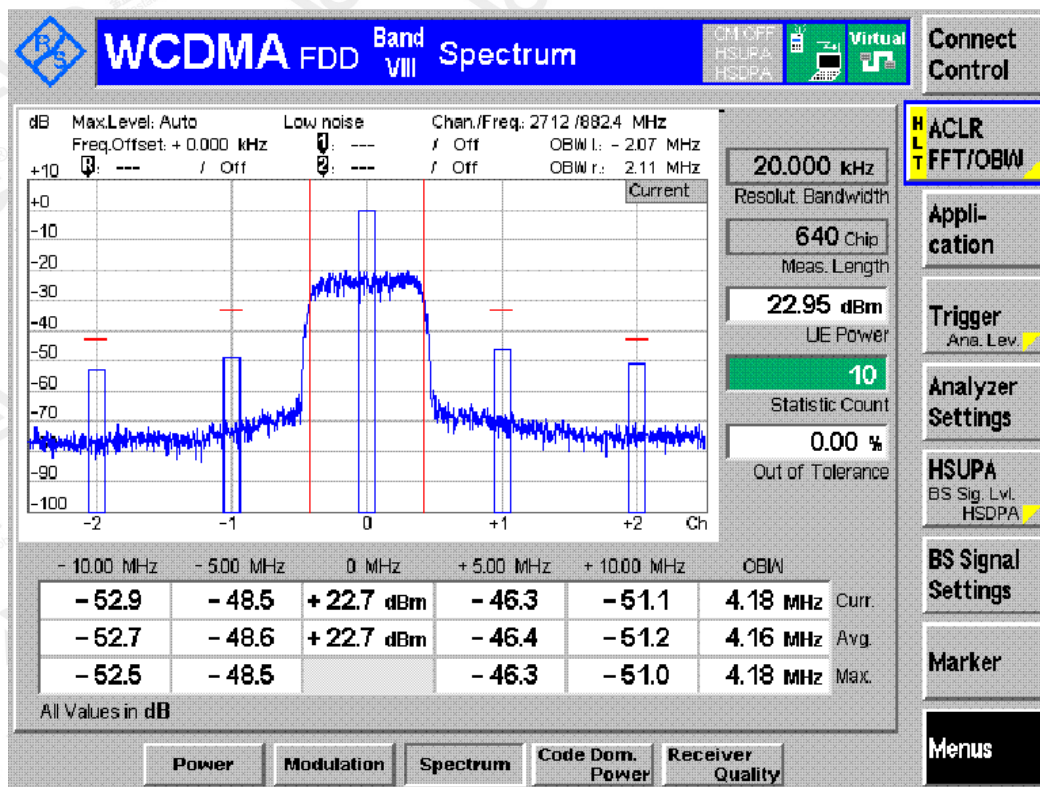
Operating Band	Test Conditions	Test Channel	UE Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	+5MHz	-46.41	-32.2	Pass
			-5 MHz	-48.64	-32.2	Pass
			-10 MHz	-52.70	-42.2	Pass
			+10 MHz	-51.23	-42.2	Pass
		MCH	+5MHz	-46.59	-32.2	Pass
			-5 MHz	-48.70	-32.2	Pass
			-10 MHz	-52.72	-42.2	Pass
			+10 MHz	-51.28	-42.2	Pass
		HCH	+5MHz	-46.61	-32.2	Pass
			-5 MHz	-48.76	-32.2	Pass
			-10 MHz	-52.64	-42.2	Pass
			+10 MHz	-51.22	-42.2	Pass
Band VIII	TNVN	LCH	+5MHz	-47.37	-32.2	Pass
			-5 MHz	-47.13	-32.2	Pass
			-10 MHz	-54.28	-42.2	Pass
			+10 MHz	-53.80	-42.2	Pass
		MCH	+5MHz	-44.95	-32.2	Pass
			-5 MHz	-46.58	-32.2	Pass
			-10 MHz	-53.09	-42.2	Pass
			+10 MHz	-53.12	-42.2	Pass
		HCH	+5MHz	-48.14	-32.2	Pass
			-5 MHz	-45.16	-32.2	Pass
			-10 MHz	-52.94	-42.2	Pass
			+10 MHz	-54.82	-42.2	Pass

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# BAND I

TNVN

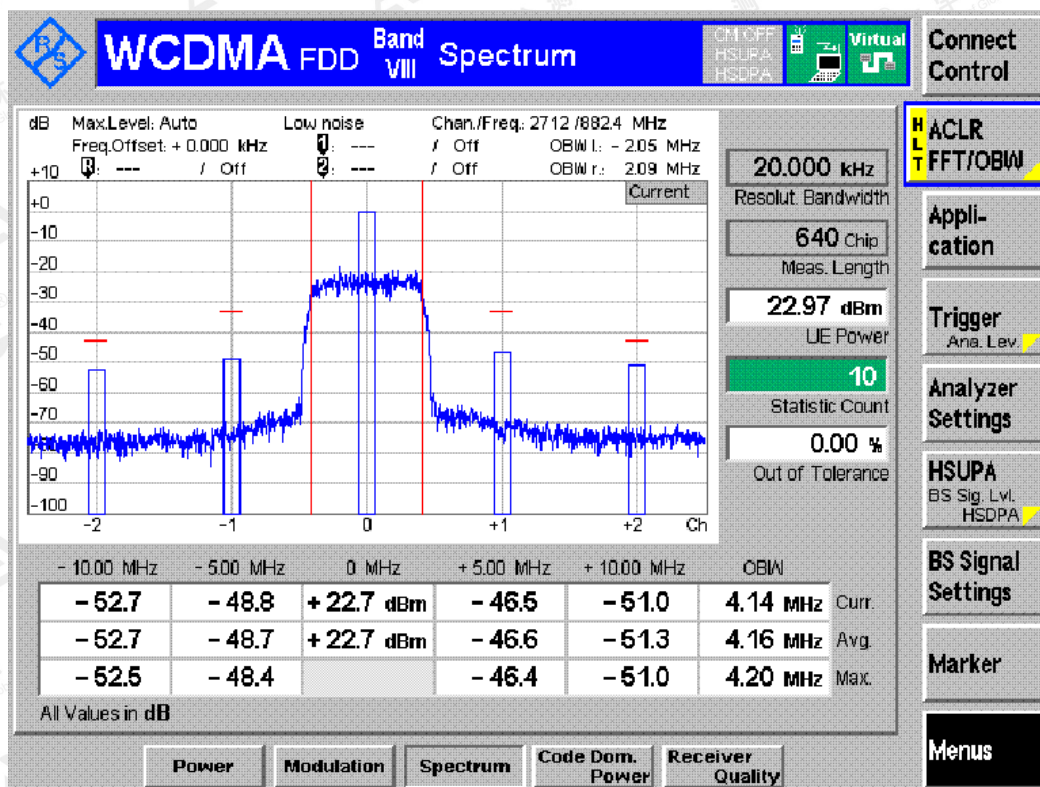
Channel LCH



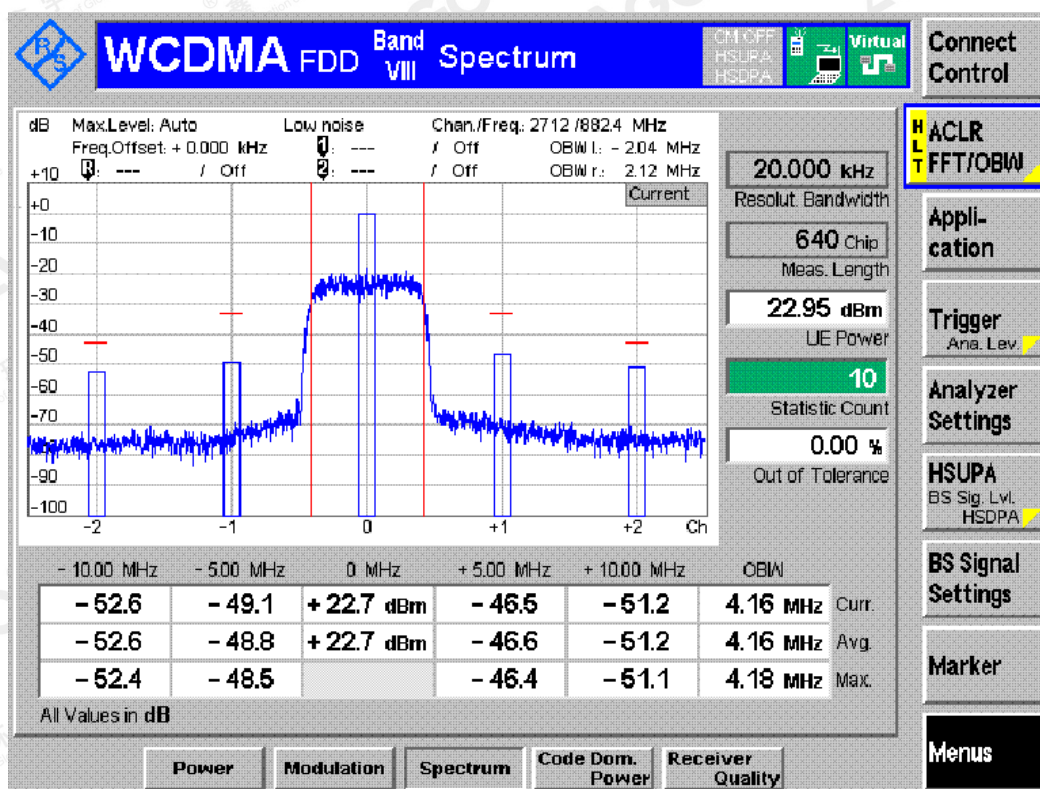
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Channel MCH



Channel HCH

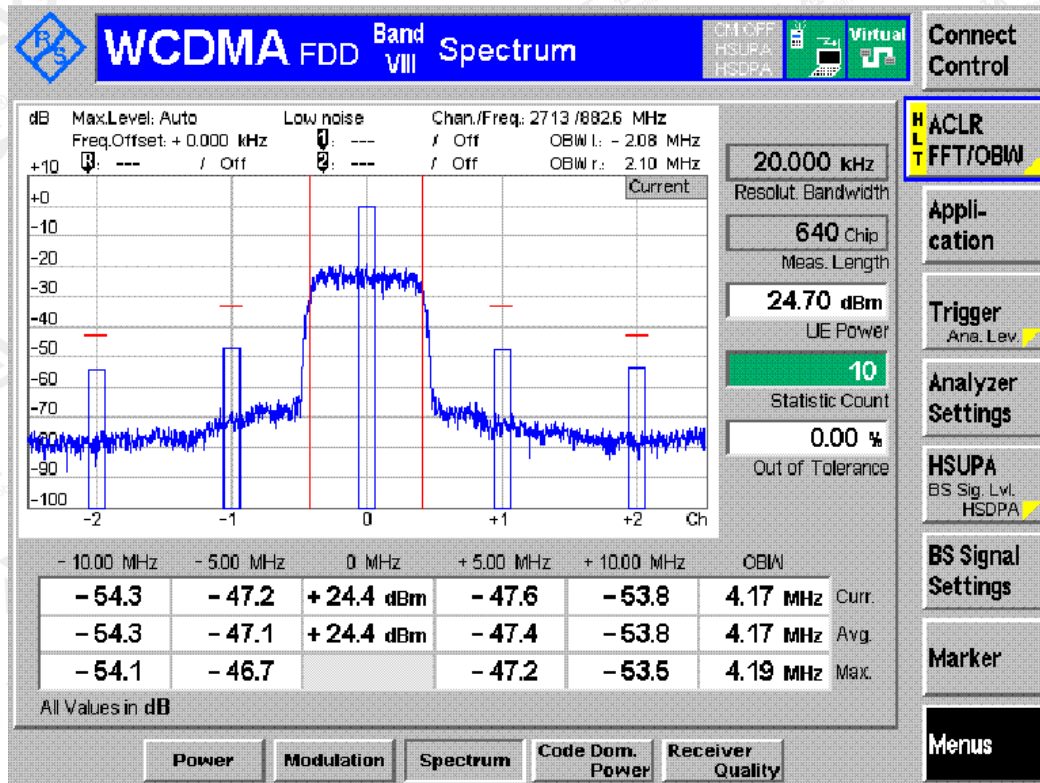


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# BAND VIII

TNPN

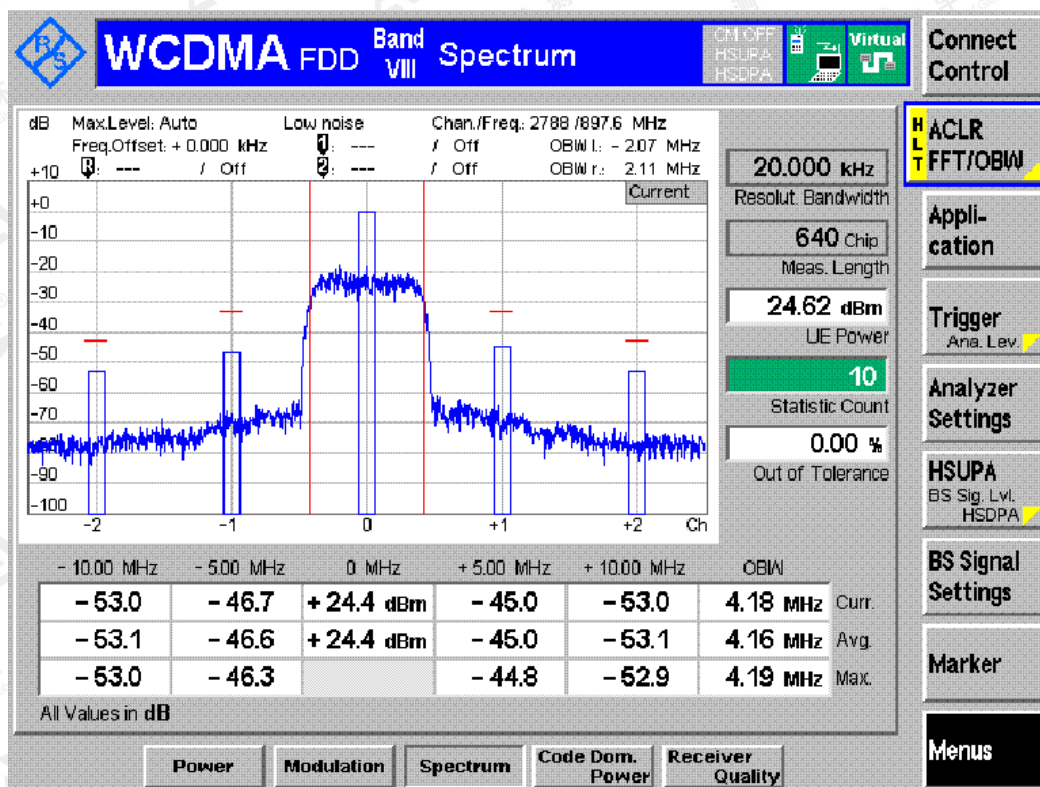
Channel LCH



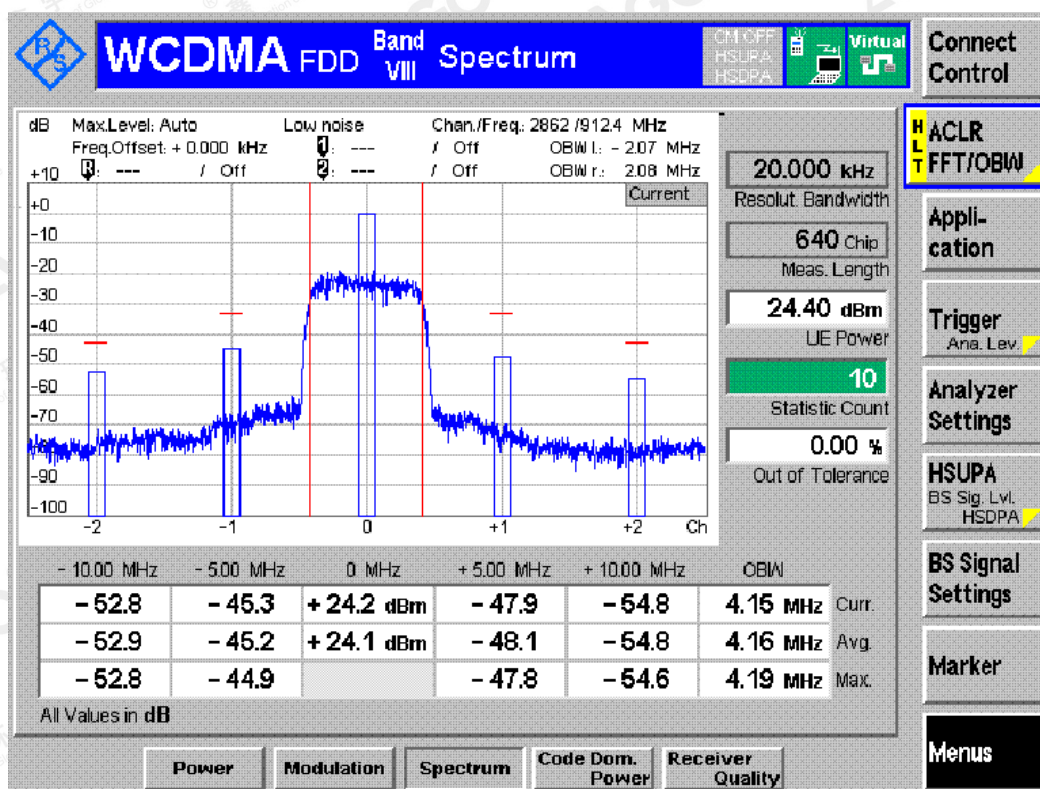
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Channel MCH



Channel HCH



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## Appendix E. Transmitter spurious emissions

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Frequency	RBW	Max. Level	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
9 kHz ≤f < 150 kHz	1 kHz	-36	-42.69	-46.87	-42.67	Pass
150 kHz ≤f < 30 MHz	10 kHz	-36	-58.67	-58.76	-58.73	Pass
30 MHz ≤f < 1 000 MHz	100 kHz	-36	-57.96	-57.88	-57.81	Pass
1 GHz ≤f < 12750GHz	1 MHz	-30	-39.83	-40.15	-40.30	Pass
791 MHz ≤f ≤821 MHz	3,84 MHz	-60	-64.59	-64.40	-64.36	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-66.07	-65.85	-65.59	Pass
925 MHz ≤f ≤935 MHz	100 kHz	-67	-72.87	-72.76	-72.68	Pass
935 MHz < f ≤960 MHz	100 kHz	-79	-82.83	-82.74	-82.55	Pass
1 805 MHz ≤f ≤1 880 MHz	100 kHz	-71	-78.81	-78.48	-78.35	Pass
2 110 MHz ≤f ≤2 170 MHz	3,84 MHz	-60	-67.55	-67.29	-67.27	Pass
2 585 MHz ≤f ≤2 690 MHz	3,84 MHz	-60	-66.39	-66.32	-66.29	Pass

Frequency	RBW	Max. Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
9 kHz ≤f < 150 kHz	1 kHz	-36	-42.85	-42.58	-42.61	Pass
150 kHz ≤f < 30 MHz	10 kHz	-36	-58.37	-59.11	-59.09	Pass
30 MHz ≤f < 1 000 MHz	100 kHz	-36	-54.90	-54.50	-54.45	Pass
1 GHz ≤f < 12,75 GHz	1 MHz	-30	-40.47	-40.28	-40.28	Pass
791 MHz ≤f ≤821 MHz	3,84 MHz	-60	-64.39	-64.36	-64.37	Pass
925MHz ≤f ≤935 MHz	100 kHz	-67	-77.99	-77.98	-77.97	Pass
	3.84 MHz	-60	-64.16	-64.11	-64.14	Pass
935MHz ≤f ≤960 MHz	100KHz	-79	-82.79	-82.70	-82.75	Pass
	3,84 MHz	-60	-64.14	-64.11	-64.10	Pass
1805MHz ≤f ≤1830 MHz	100KHz	-71	-78.58	-78.45	-78.47	Pass
	3,84 MHz	-60	-63.93	-63.88	-63.90	Pass
1830MHz ≤f ≤1880 MHz	100KHz	-71	-78.50	-78.57	-78.56	Pass
	3,84 MHz	-60	-63.94	-63.86	-63.83	Pass
2110MHz ≤f≤2170MHz	3,84 MHz	-60	-67.25	-67.21	-67.23	Pass
2 585 MHz ≤f ≤2 640 MHz	3,84 MHz	-60	-66.18	-66.17	-66.12	Pass
2 640 MHz ≤f ≤2 690 MHz	3,84 MHz	-60	-66.34	-66.35	-66.29	Pass

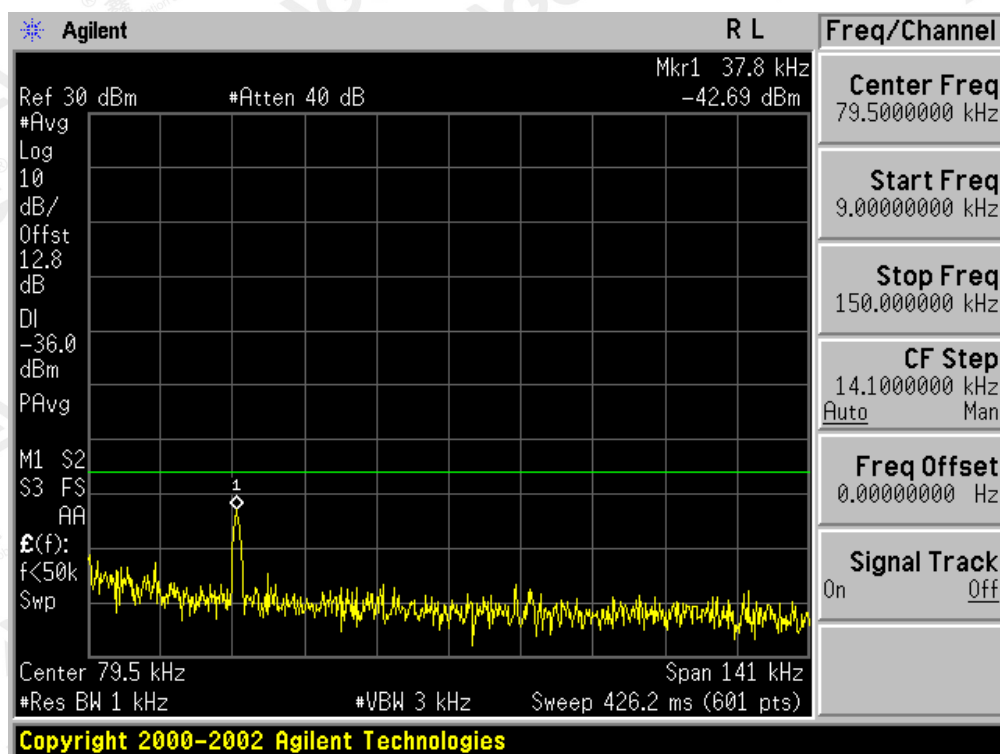
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# BAND I

Channel LCH

9KHZ~150KHZ

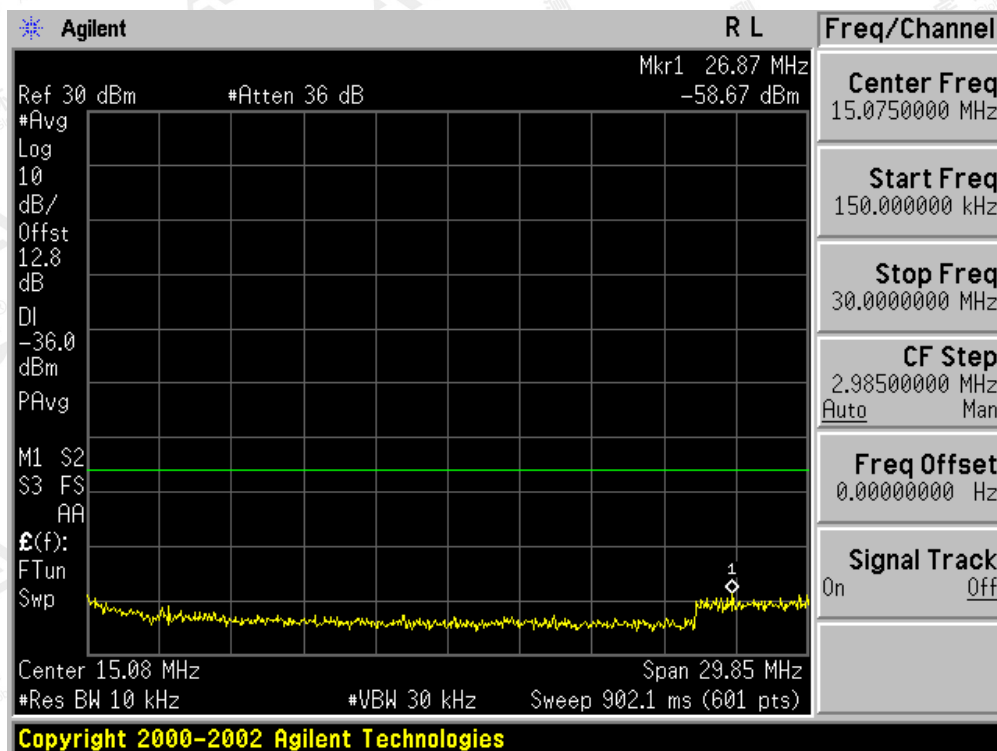


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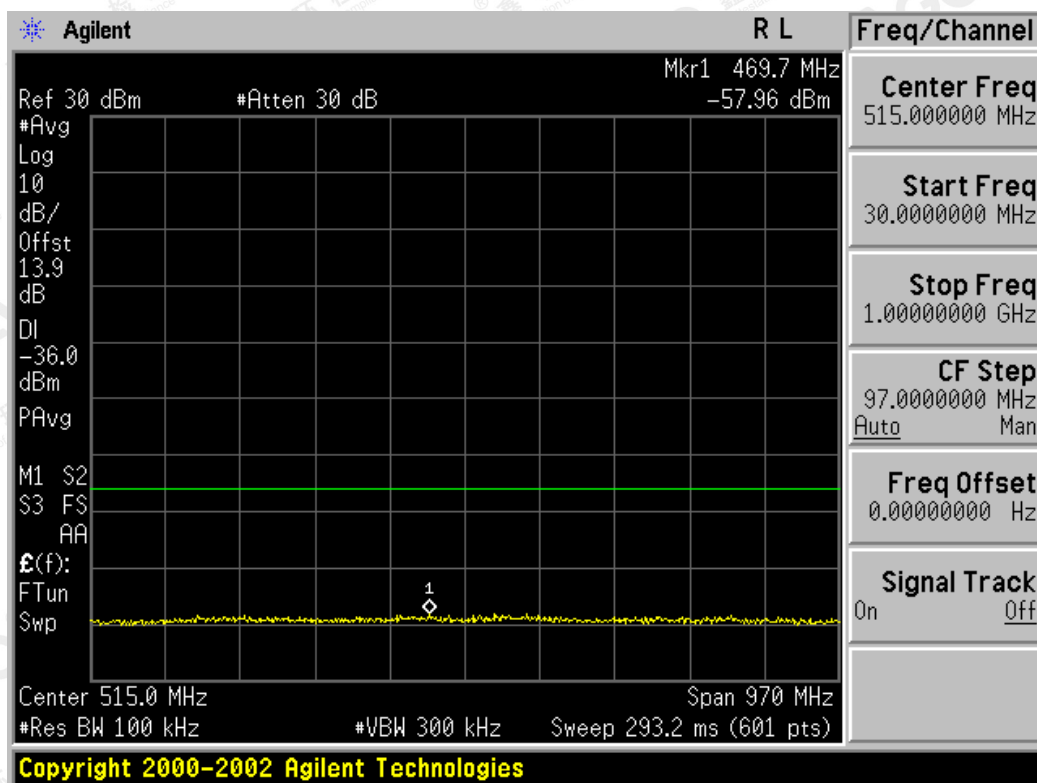
Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: [agc@agc-cert.com](mailto:agc@agc-cert.com) 400 089 2118  
Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China

150KHZ~30MHZ



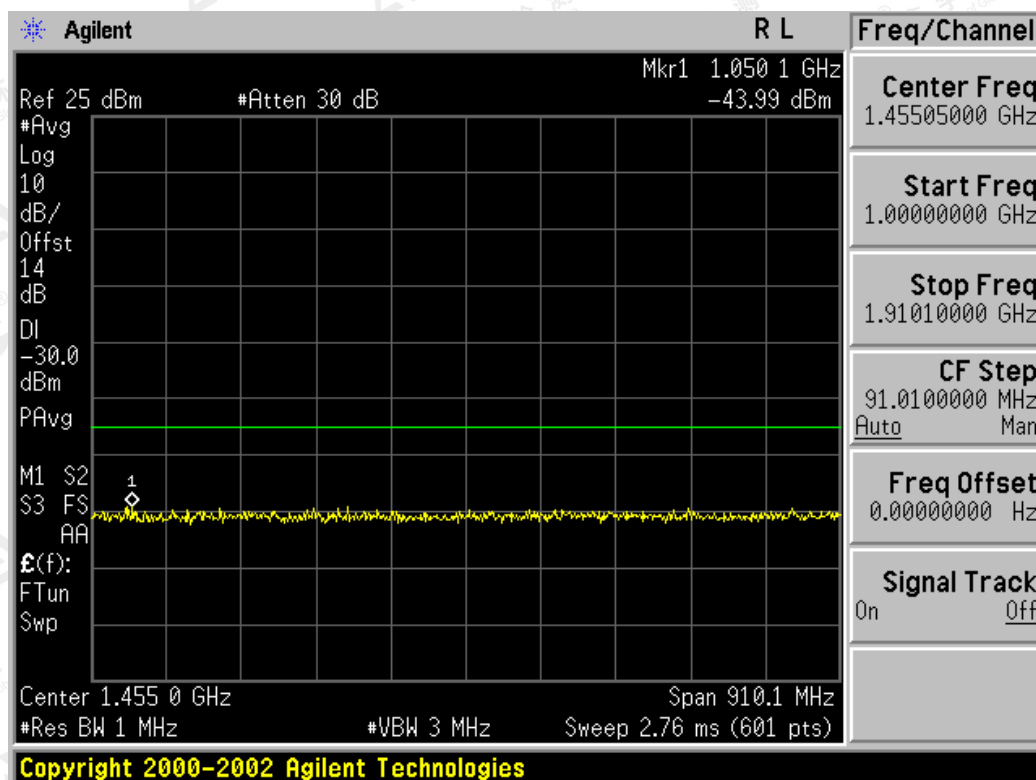
30MHZ~1GHZ



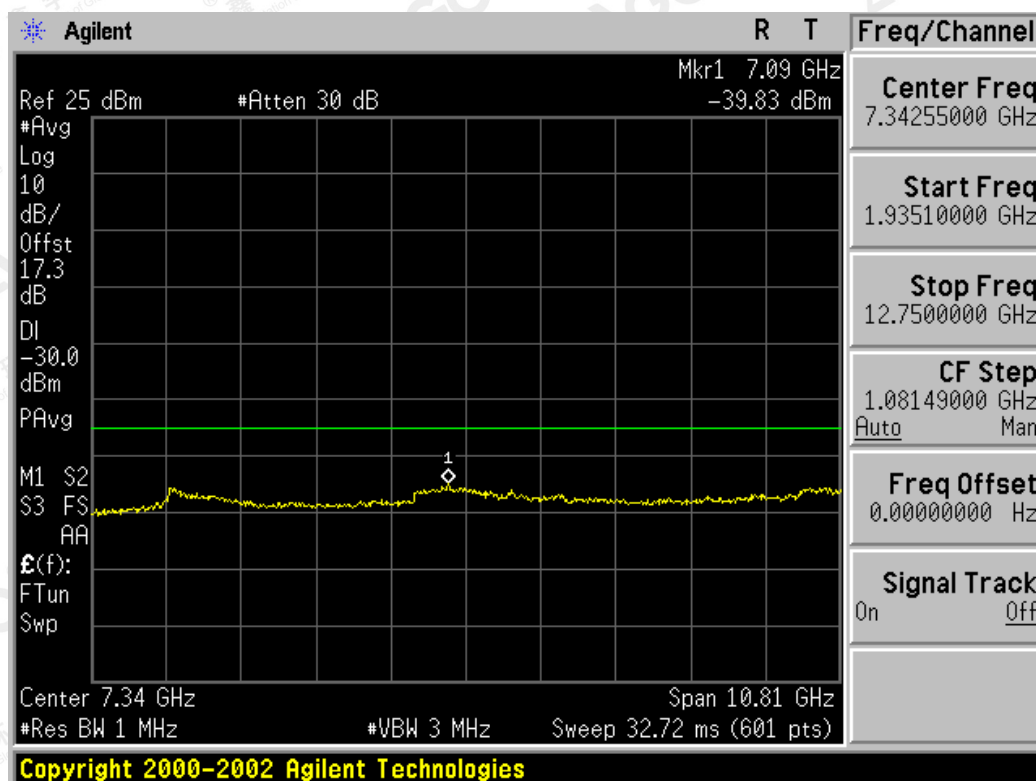
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1GHZ~1937.5GHZ

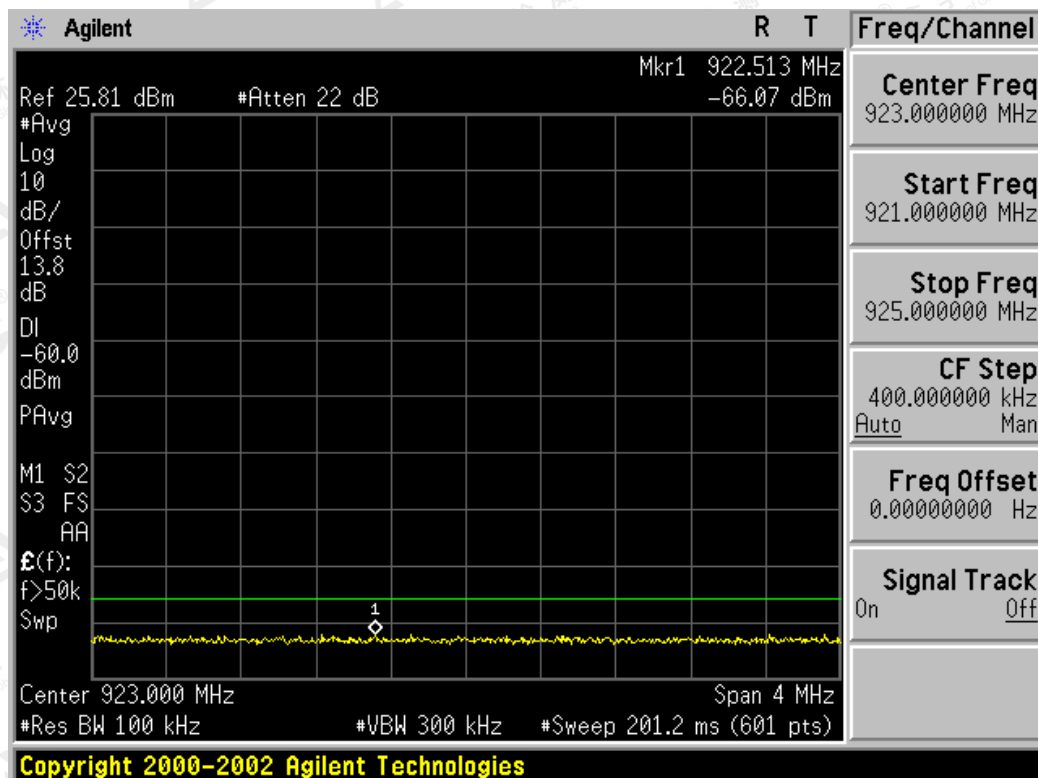


1935.1GHZ~12750GHZ

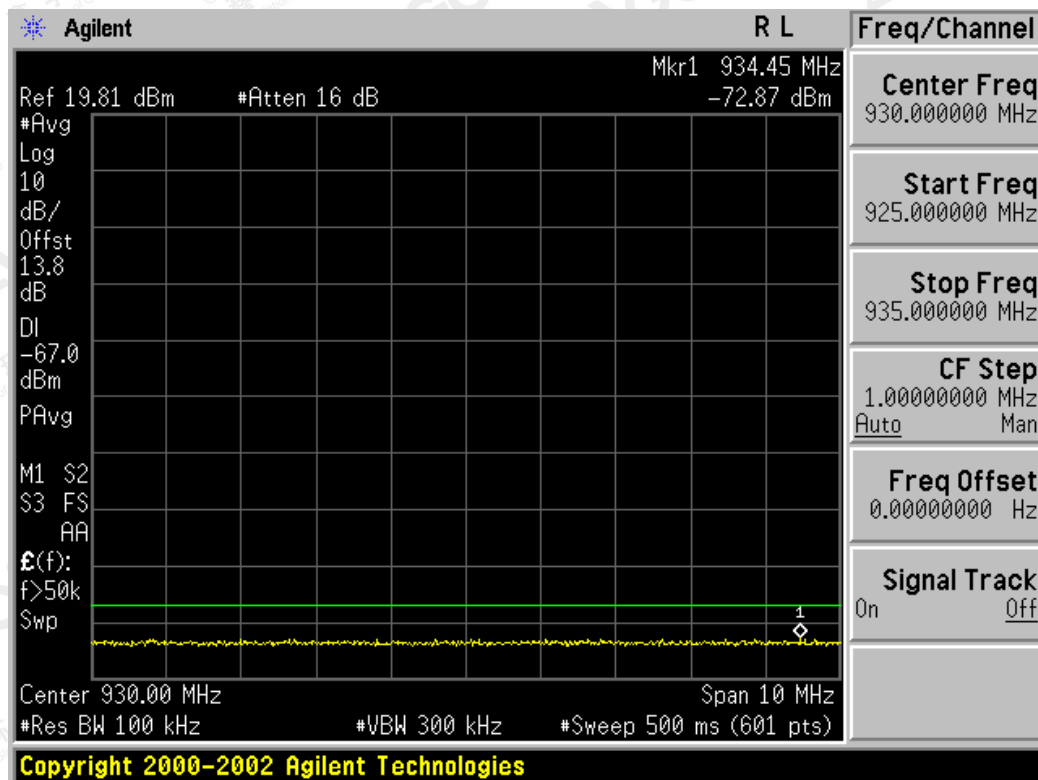


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921MHZ~925MHZ



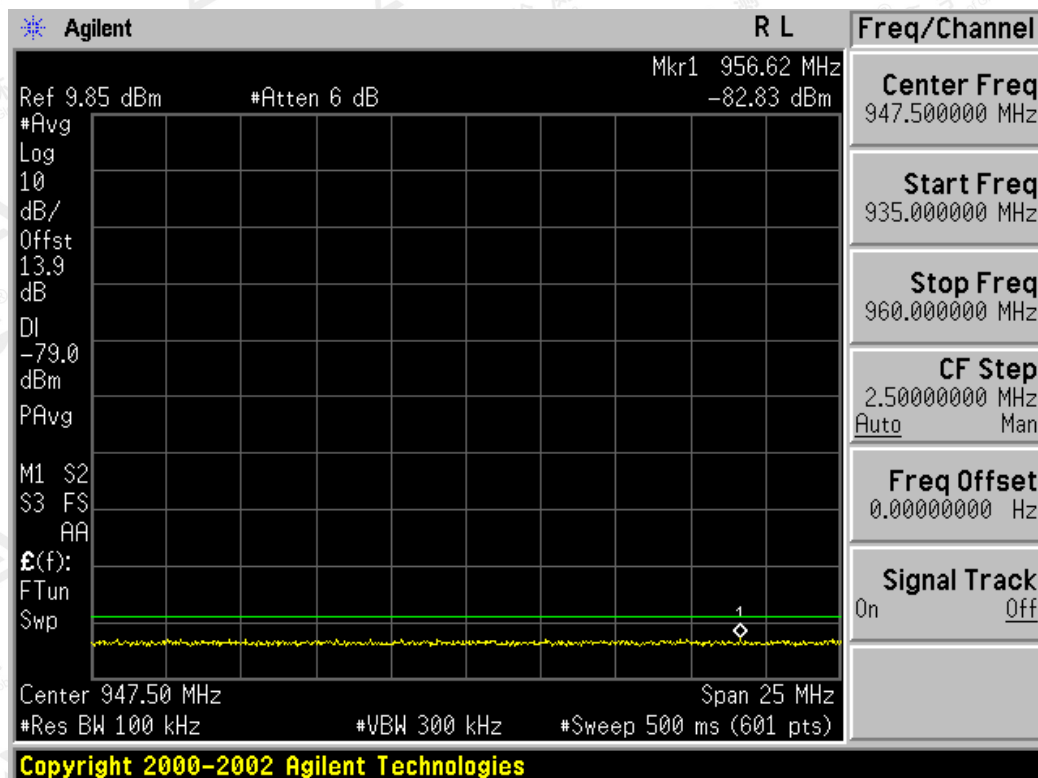
925MHZ~935MHZ



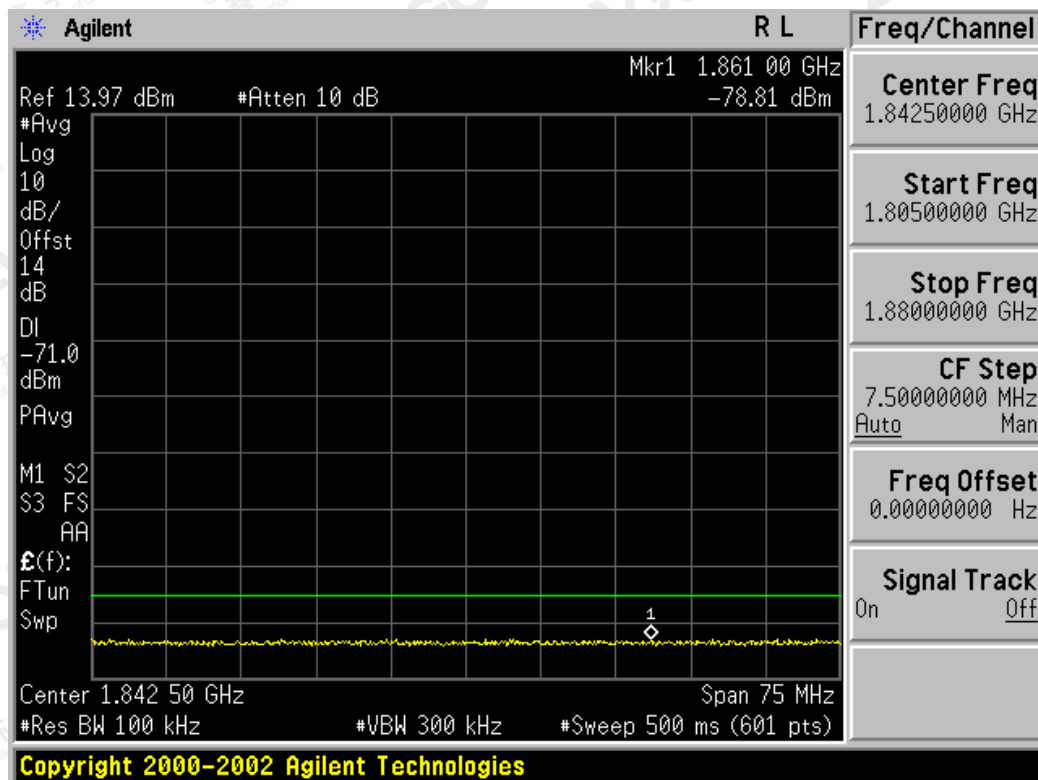
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935MHZ~960MHZ

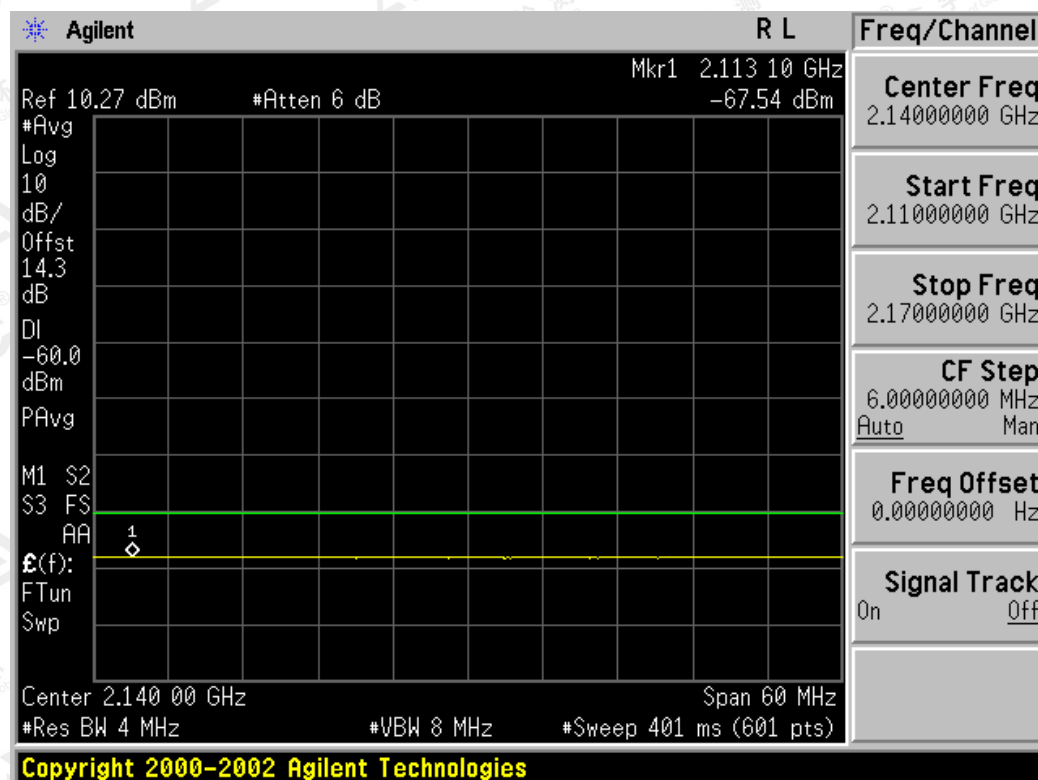


1805MHZ~1880MHZ

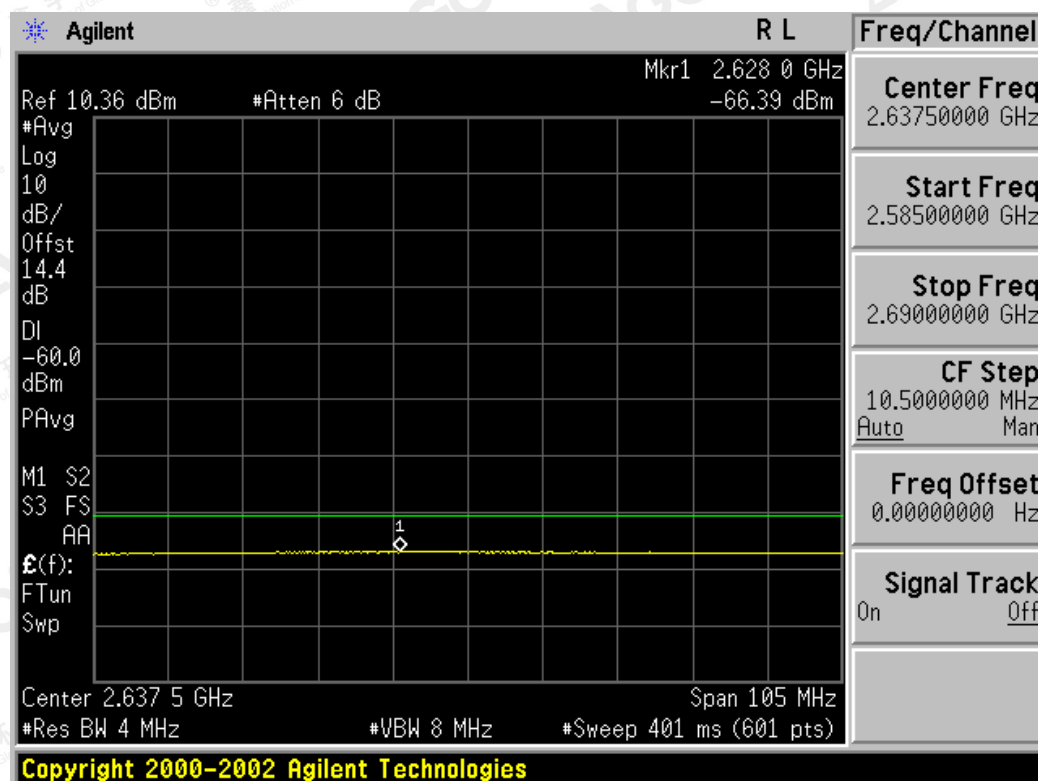


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2110MHZ~2170MHZ



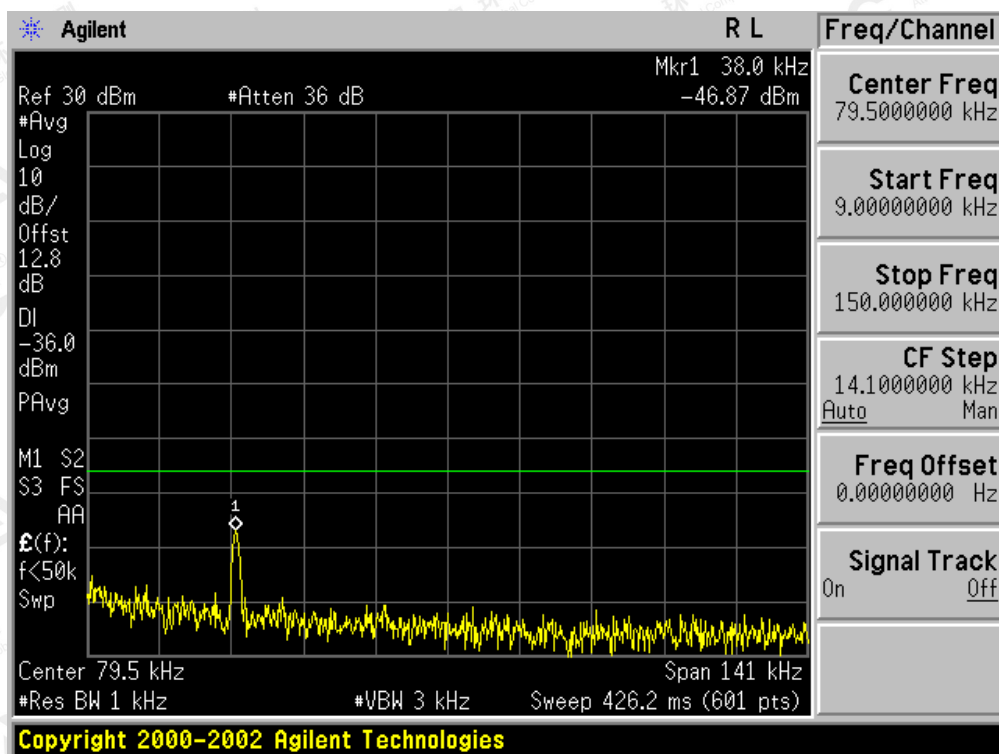
2585MHZ~2690MHZ



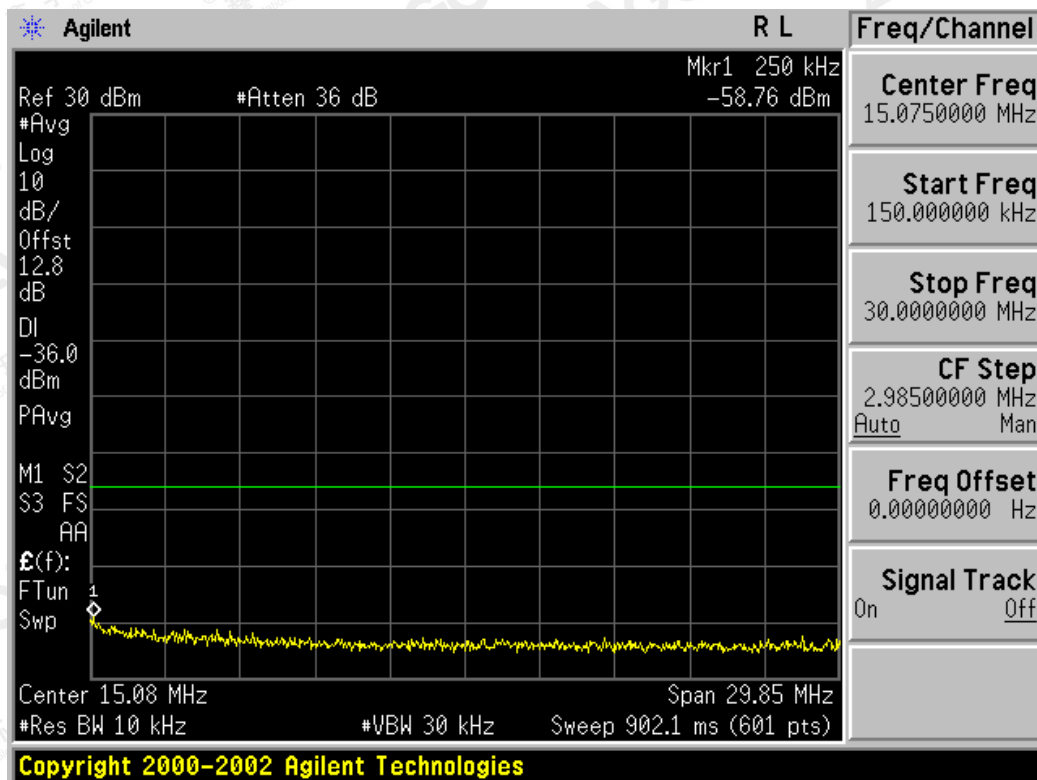
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**Channel MCH**  
**9KHZ~150KHZ**

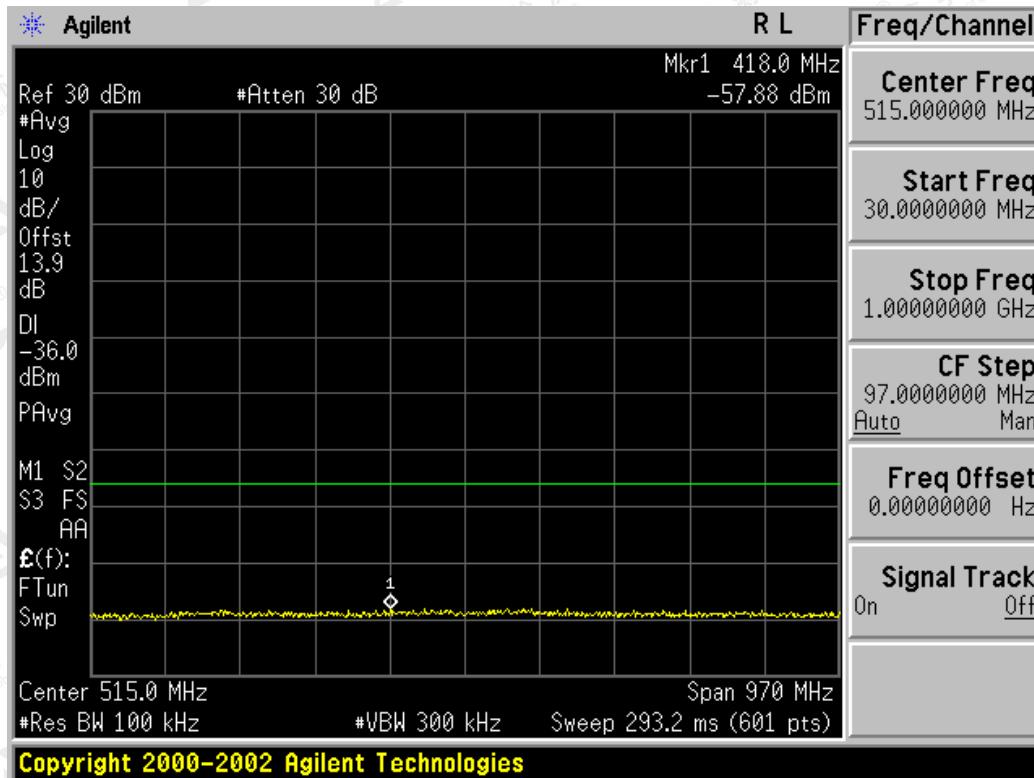


**150KHZ~30MHZ**

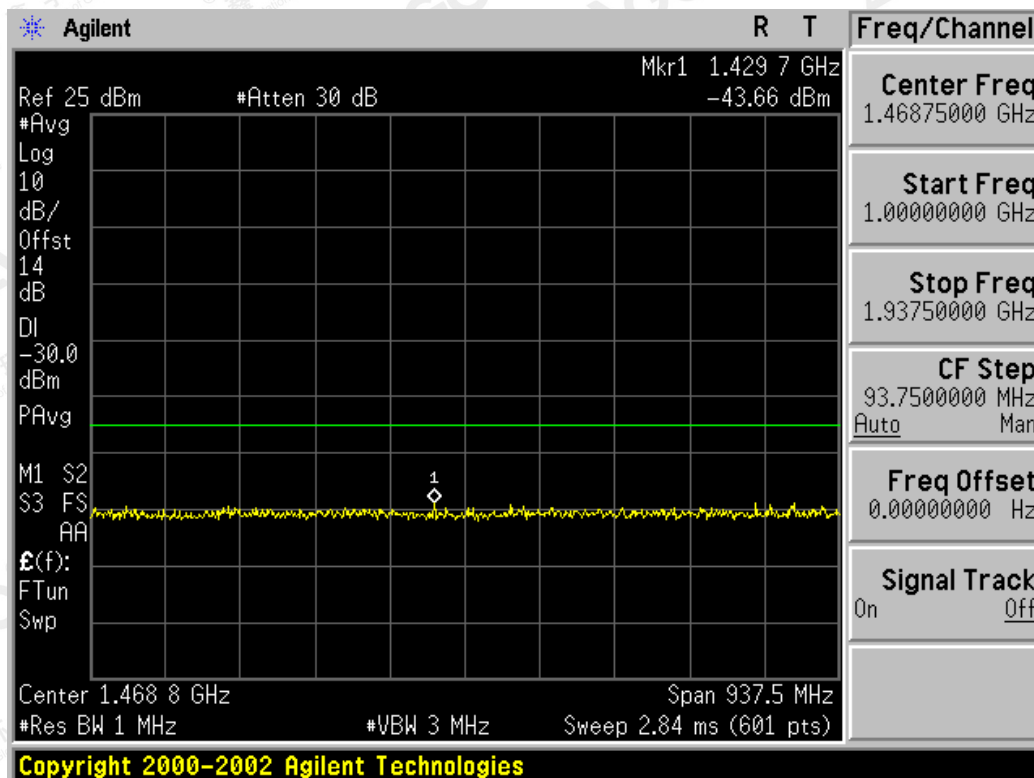


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30MHz~1GHz



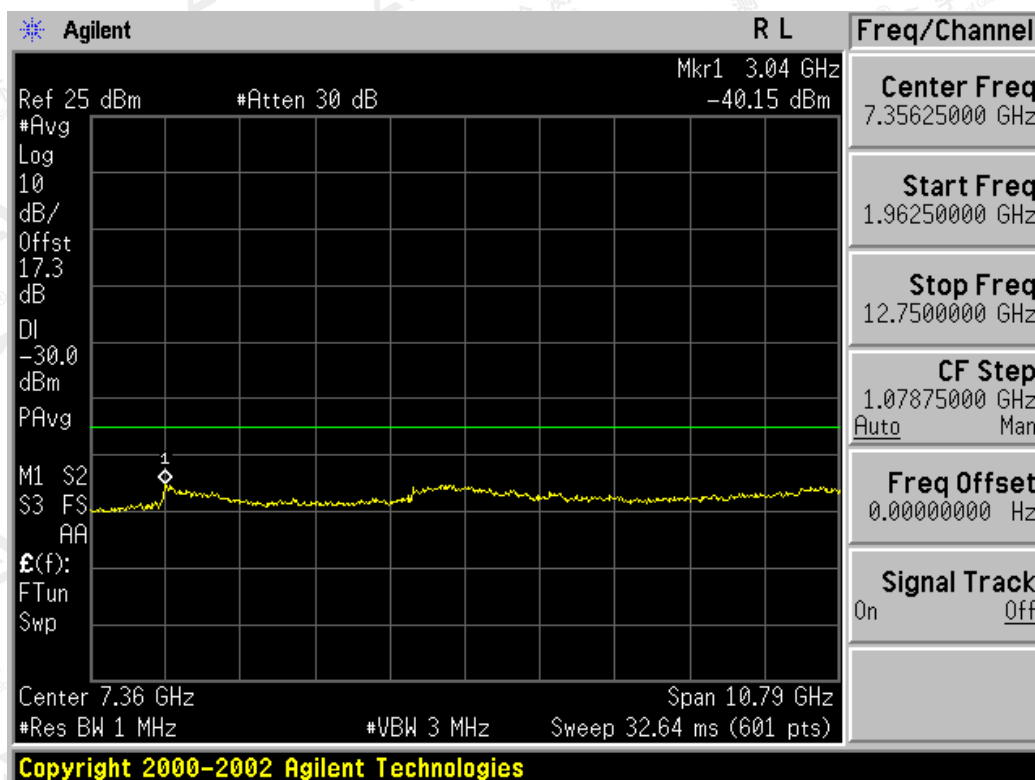
1GHz~1.9375GHz



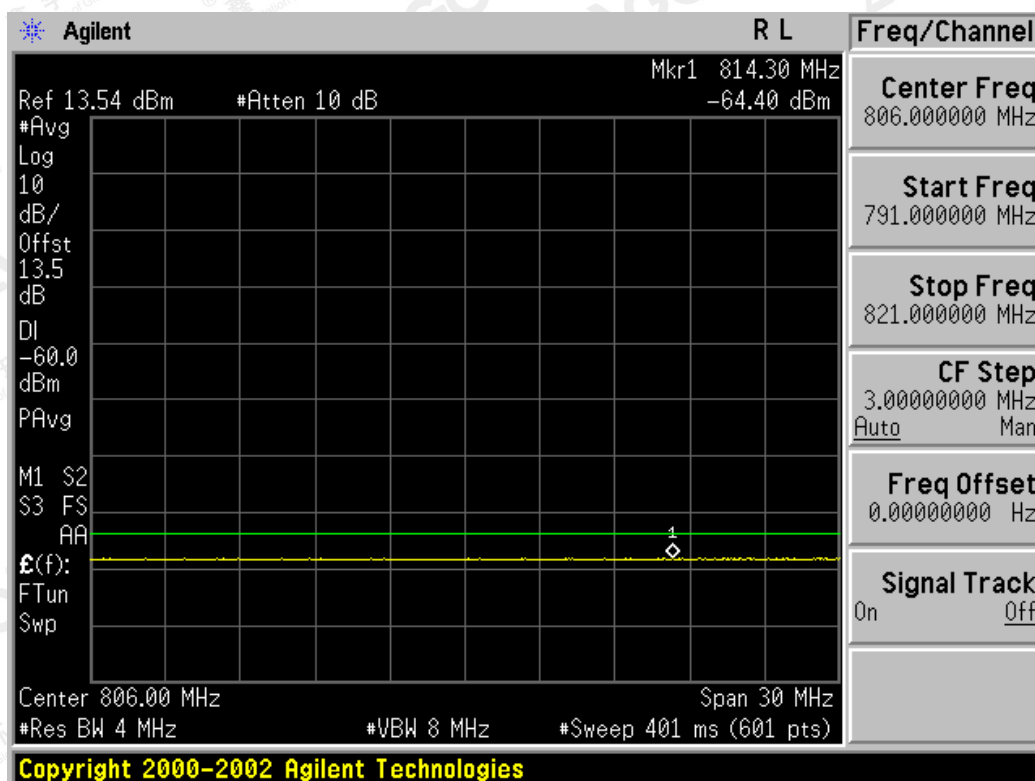
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1.9351GHZ~12.750GHZ

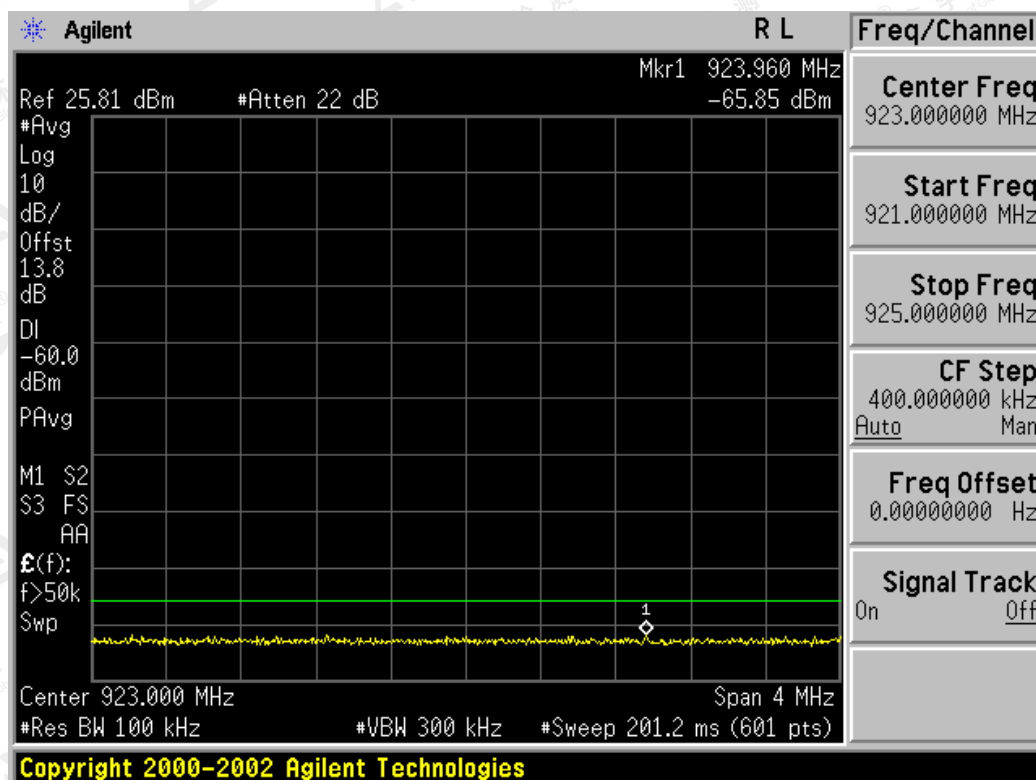


791MHZ~821MHZ

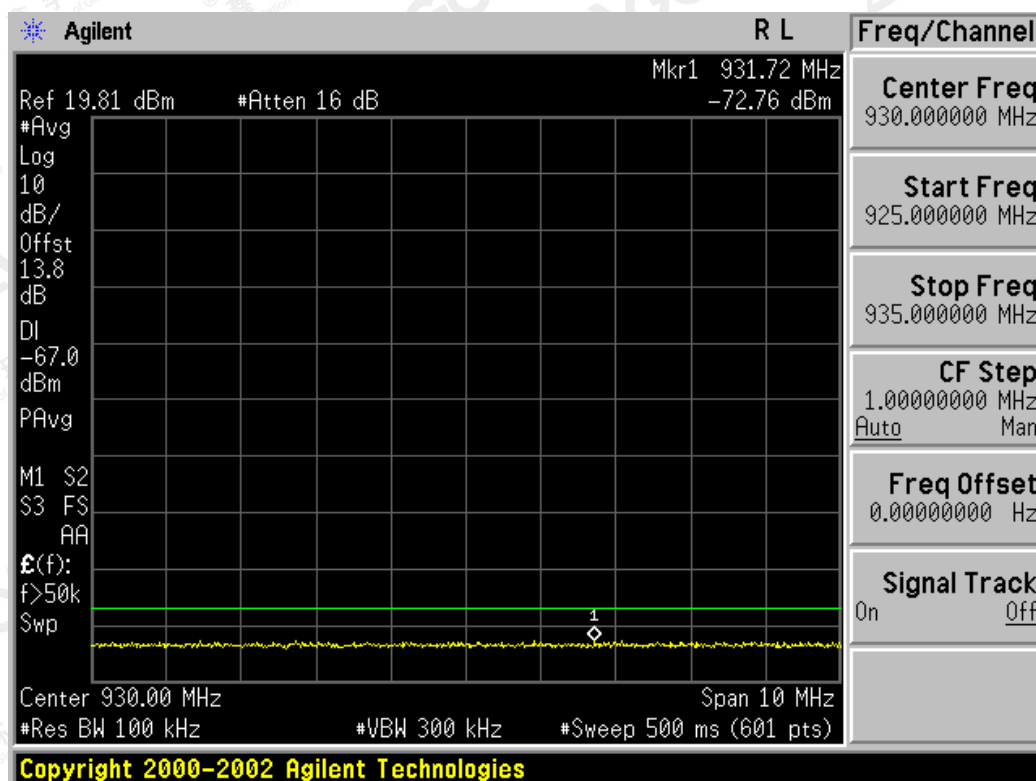


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921MHZ~925MHZ



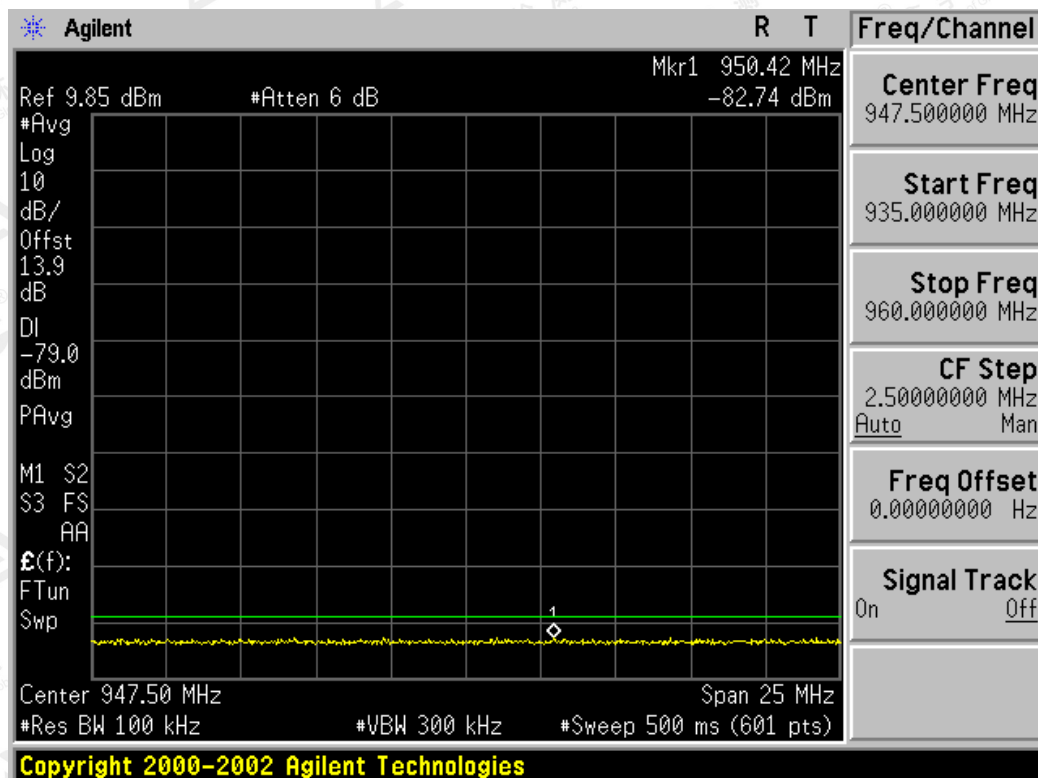
925MHZ~935MHZ



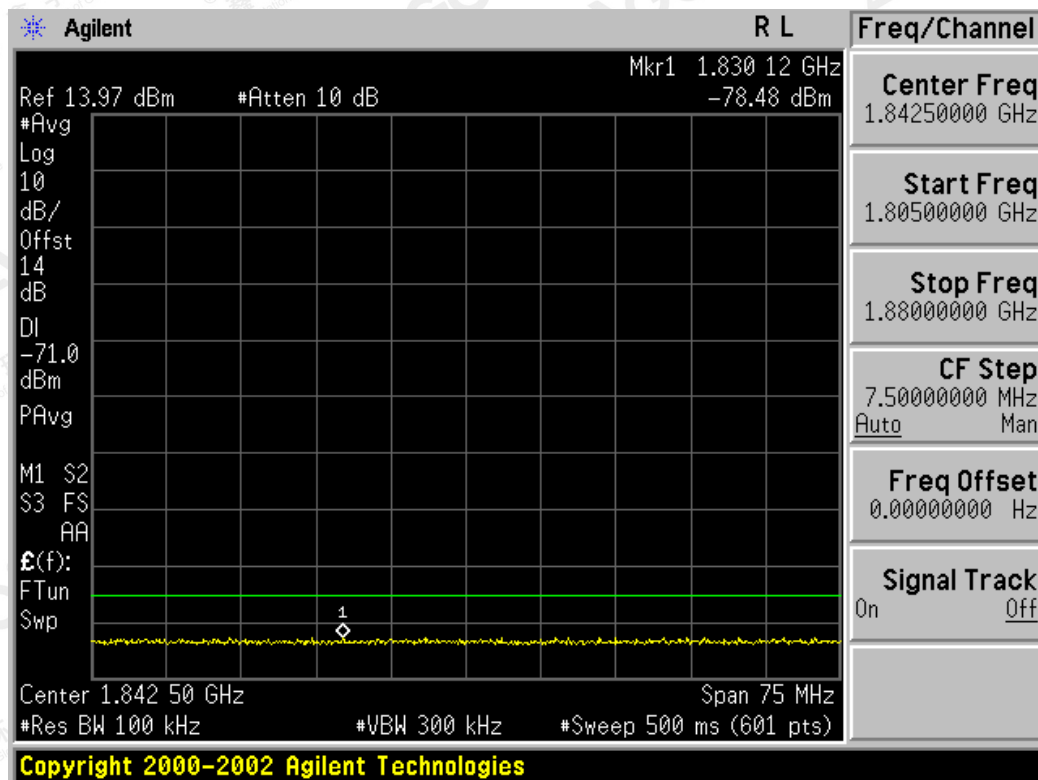
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935MHZ~960MHZ

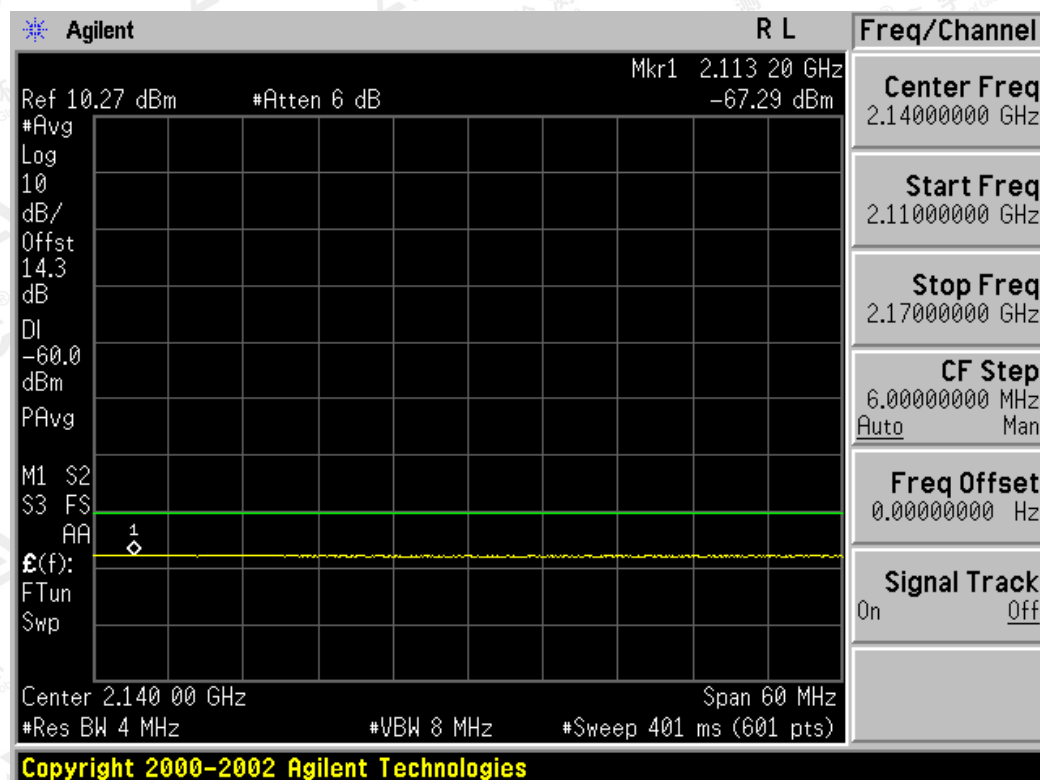


1805MHZ~1880MHZ

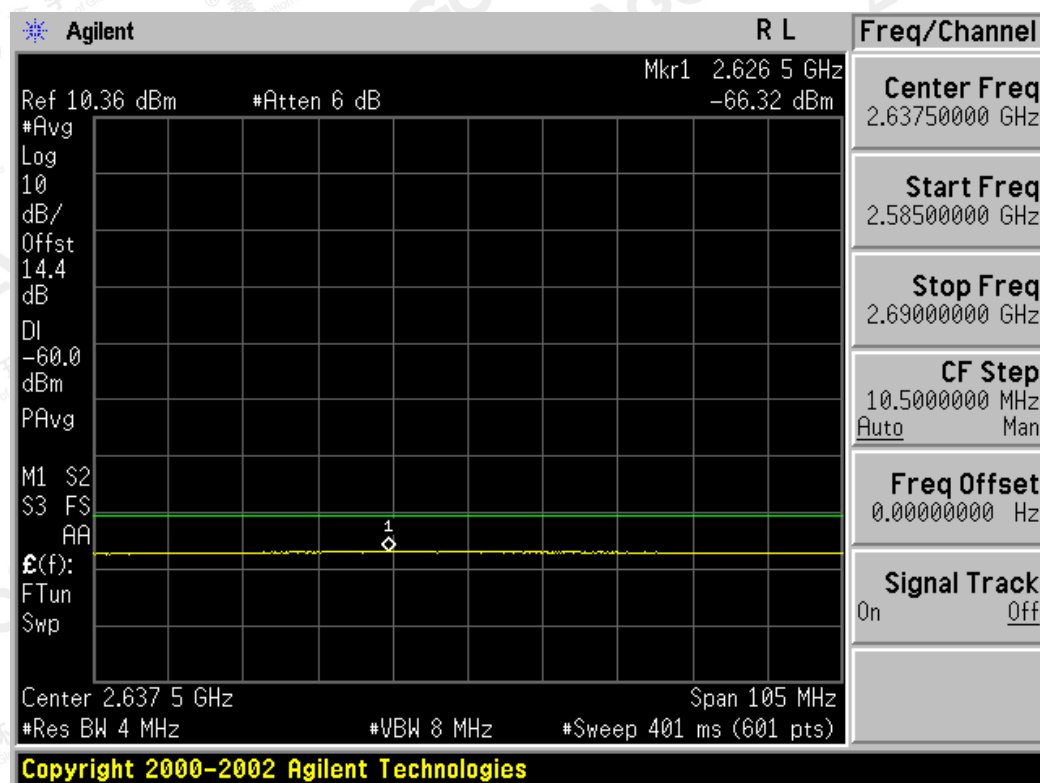


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2110MHZ~2170MHZ



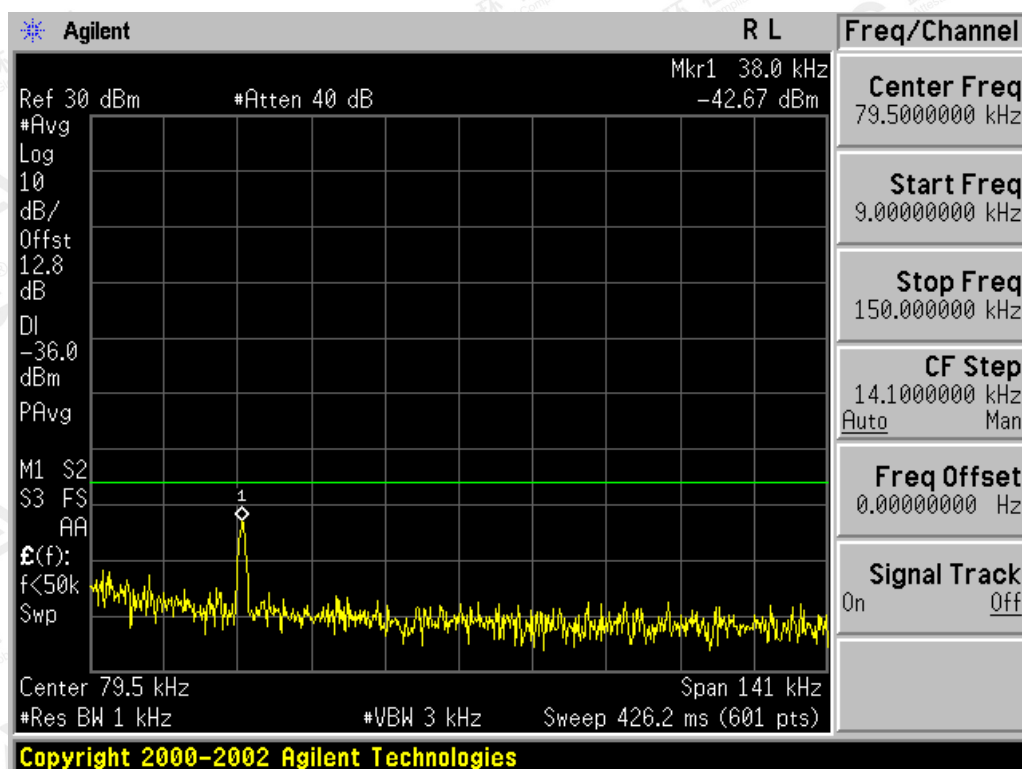
2585MHZ~2690MHZ



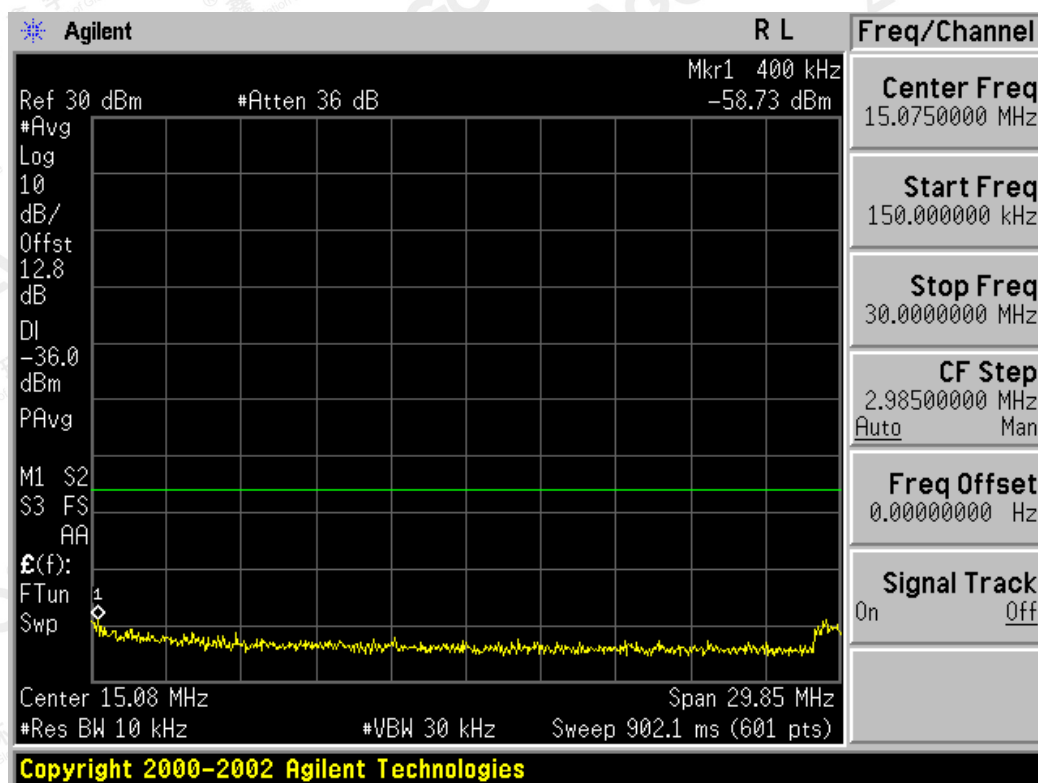
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**Channel HCH**  
**9KHZ~150KHZ**

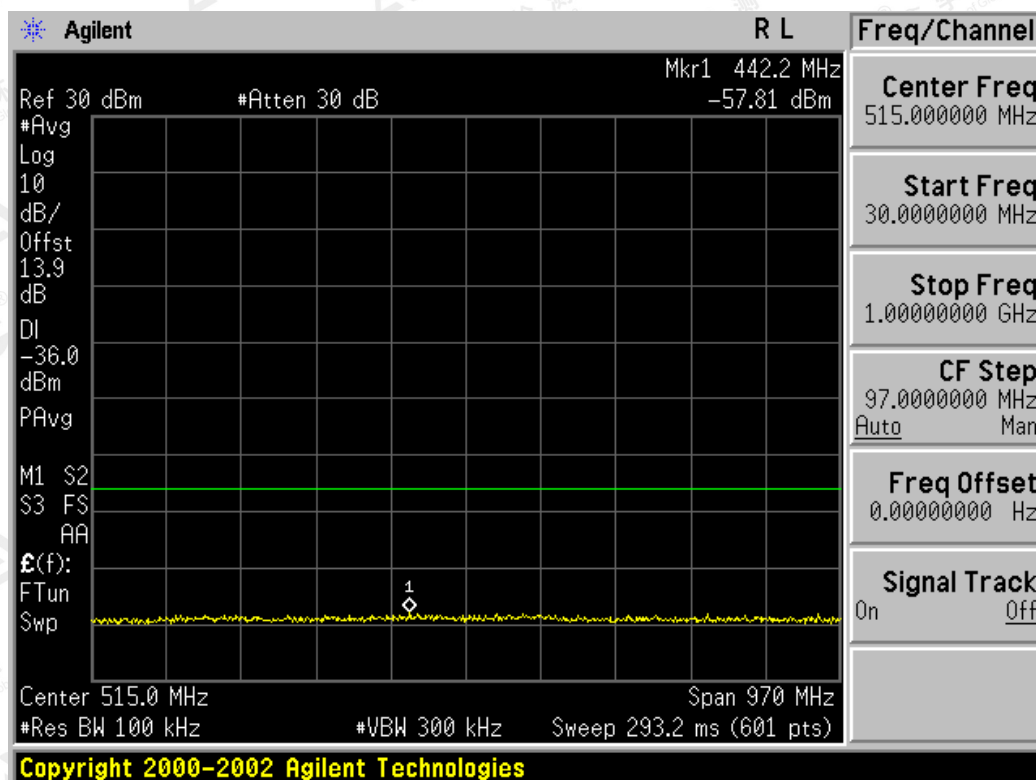


**150KHZ~30MHZ**

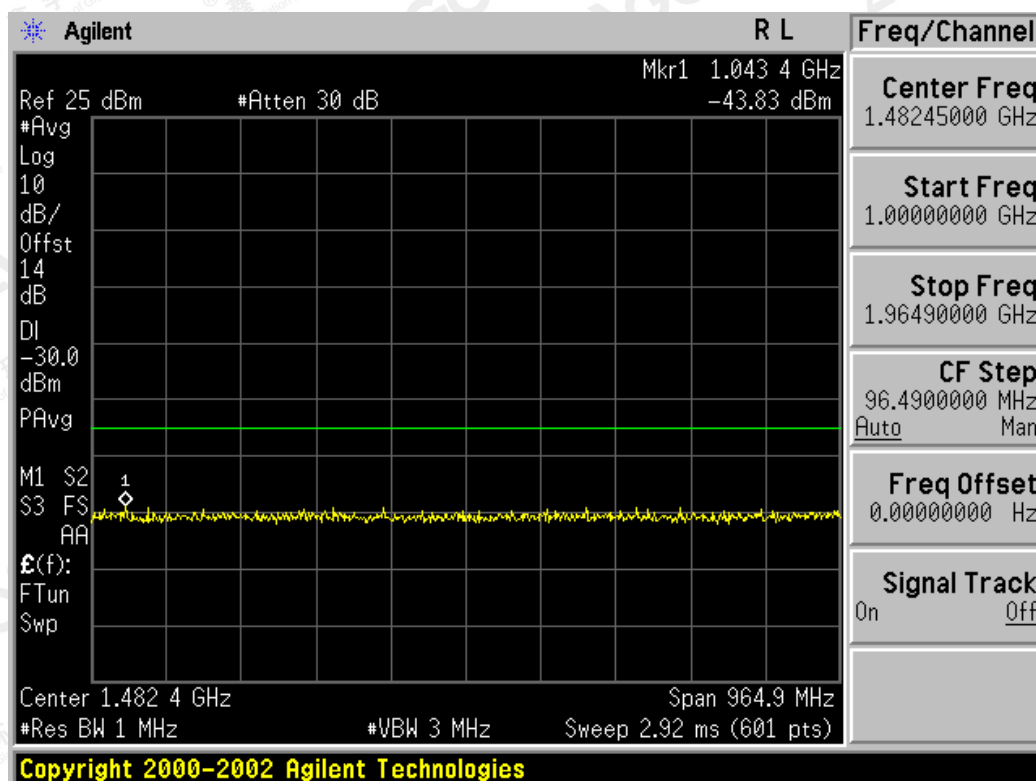


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30MHz~1GHz



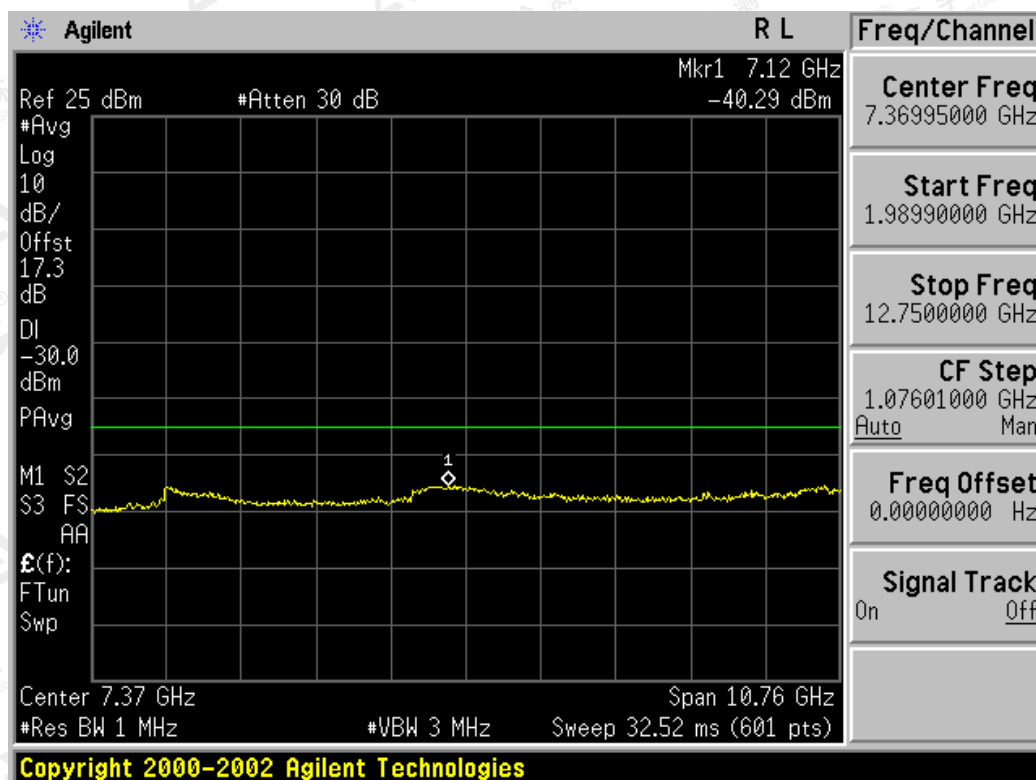
1GHz~1.9375GHz



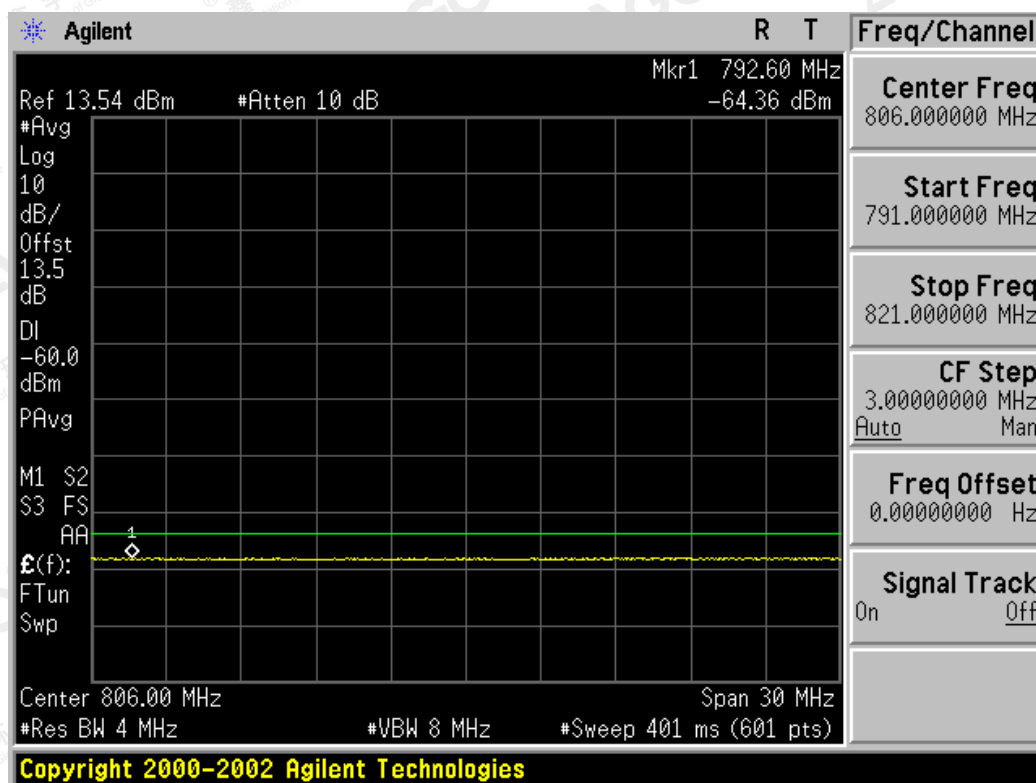
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1.9351GHZ~12.750GHZ

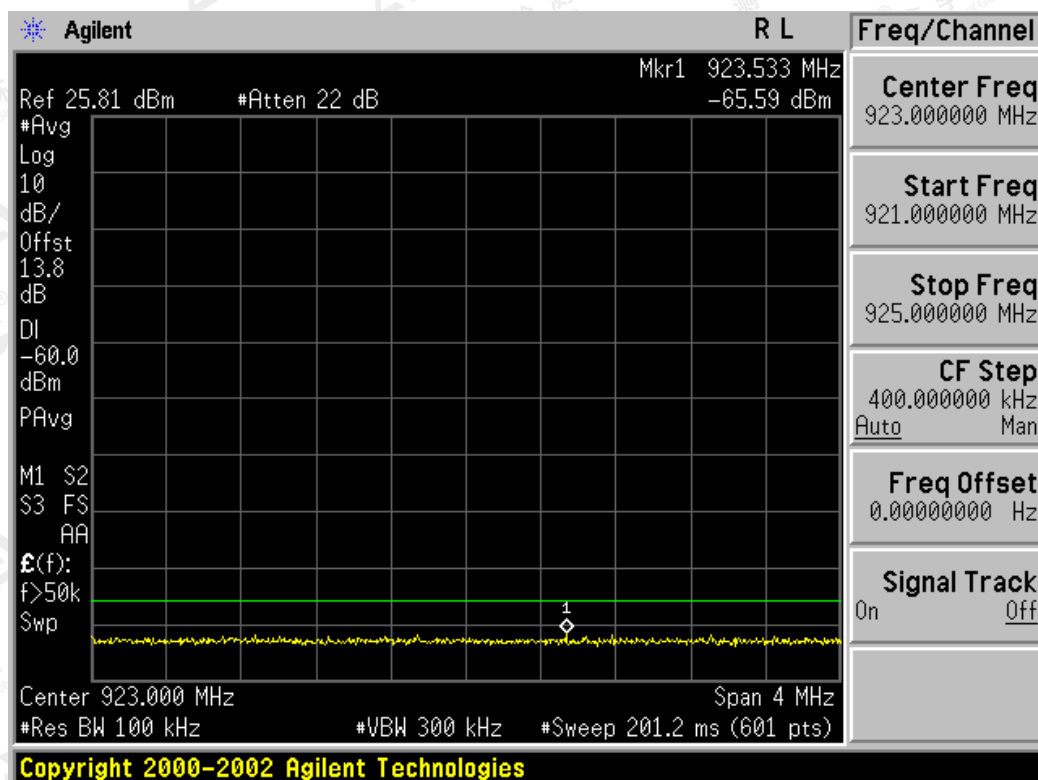


791MHZ~821MHZ

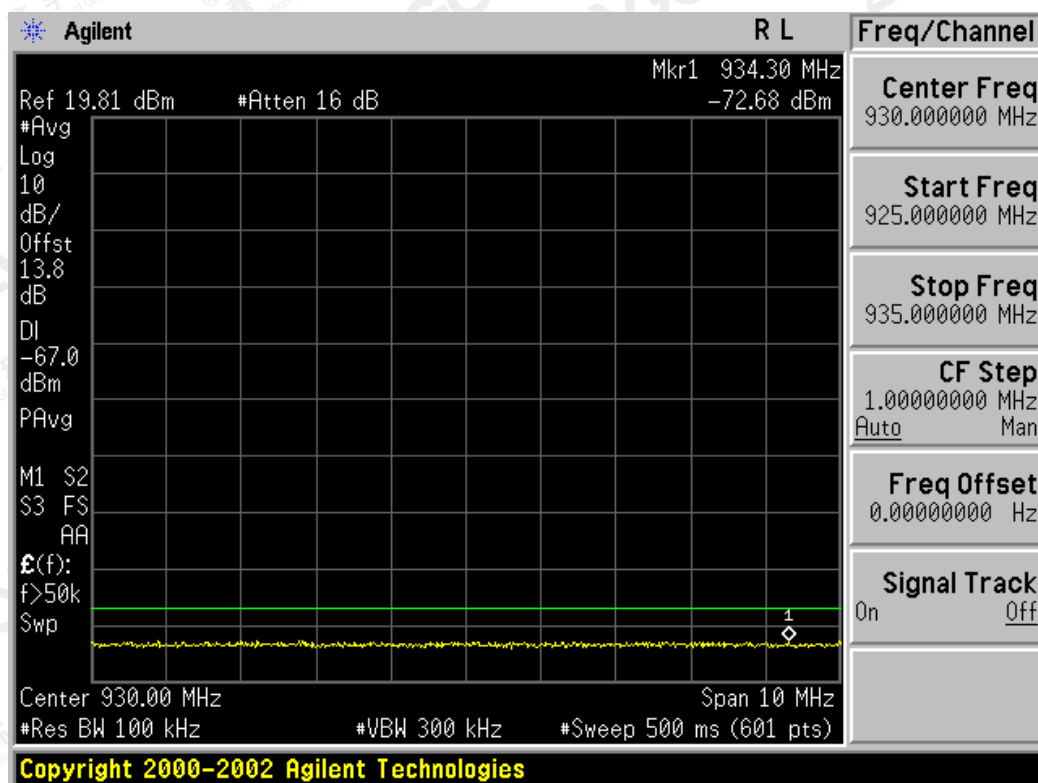


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921MHZ~925MHZ

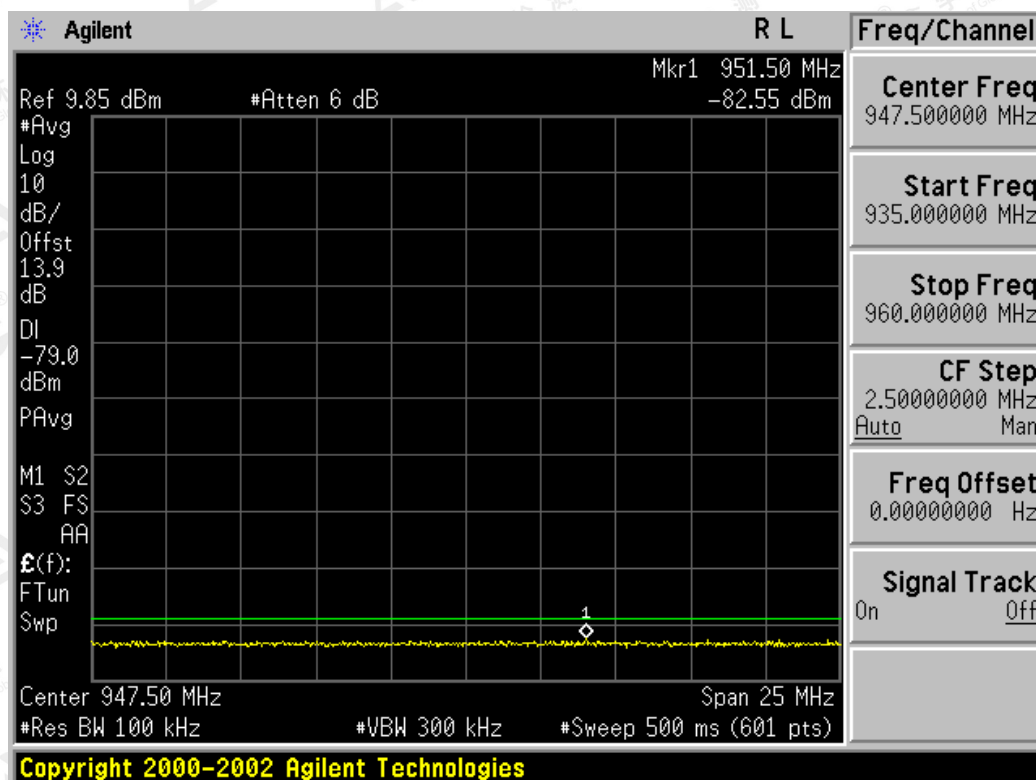


925MHZ~935MHZ

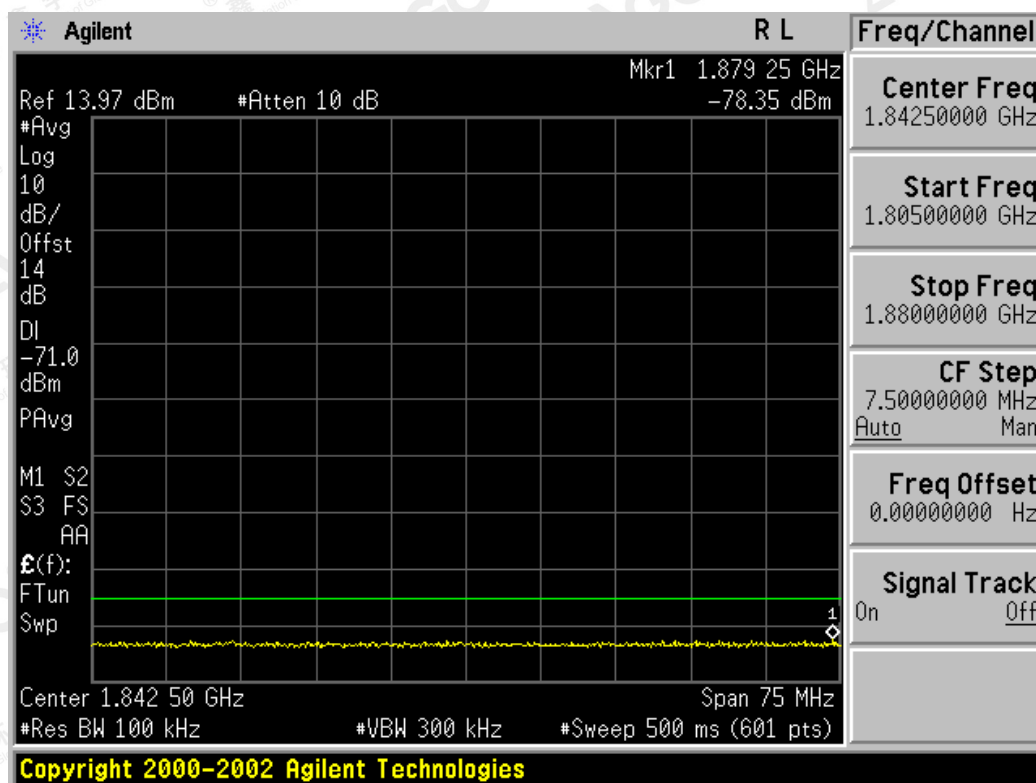


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935MHZ~960MHZ



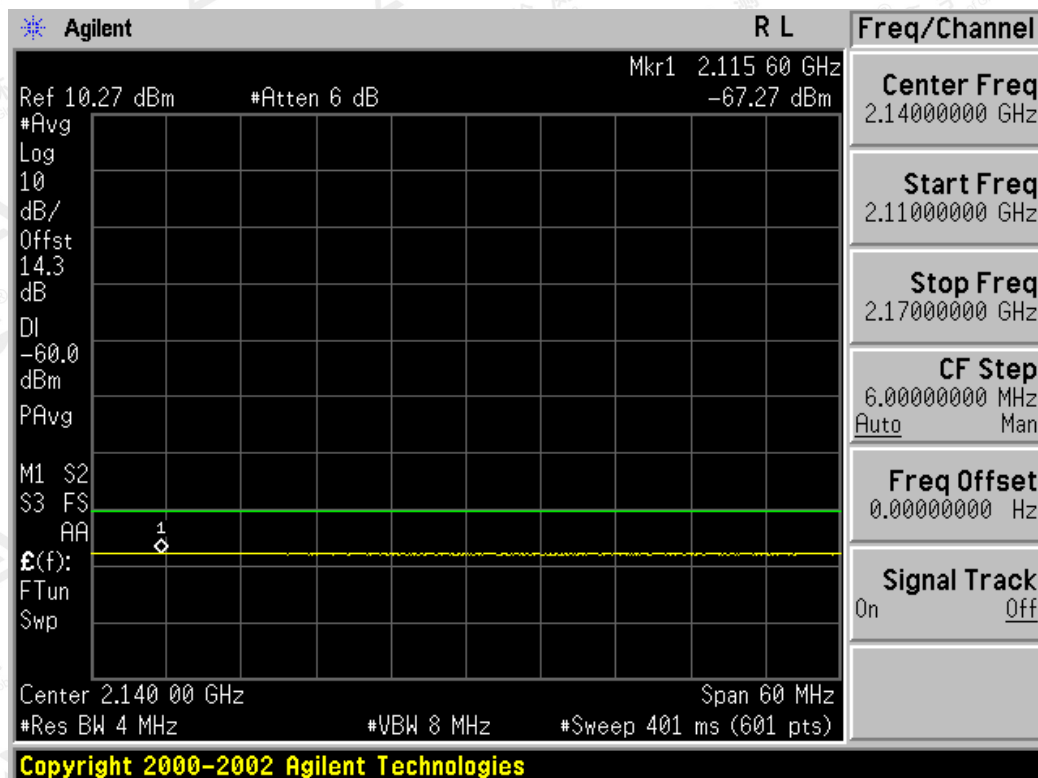
1805MHZ~1880MHZ



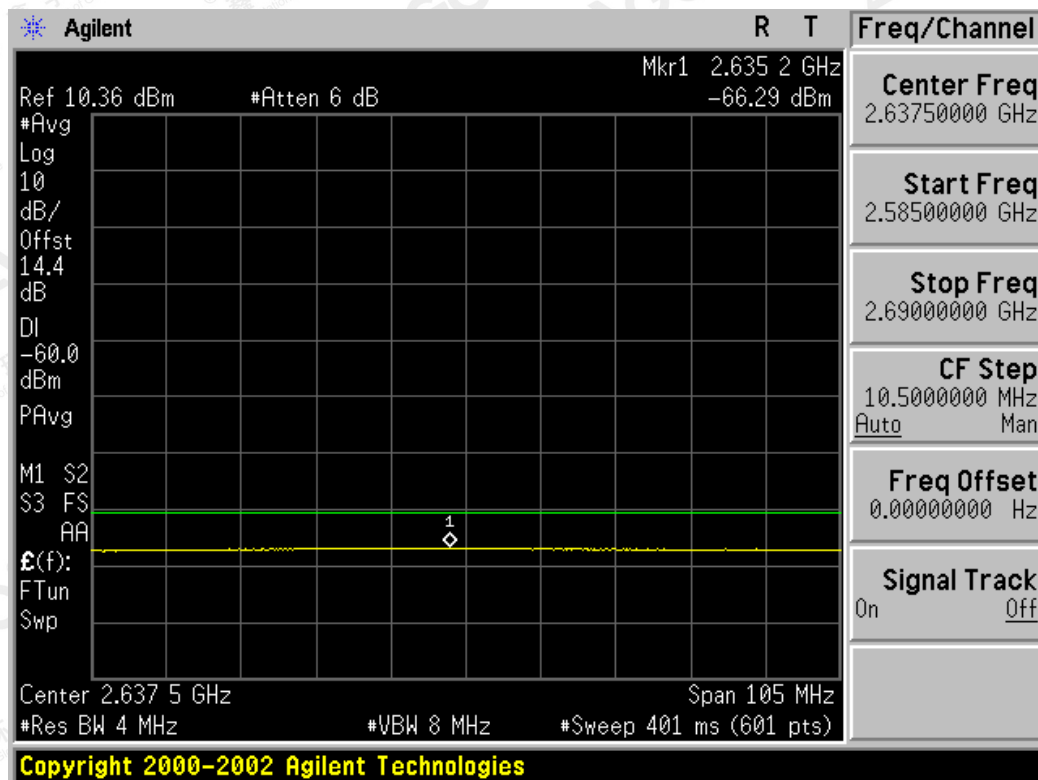
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2110MHZ~2170MHZ



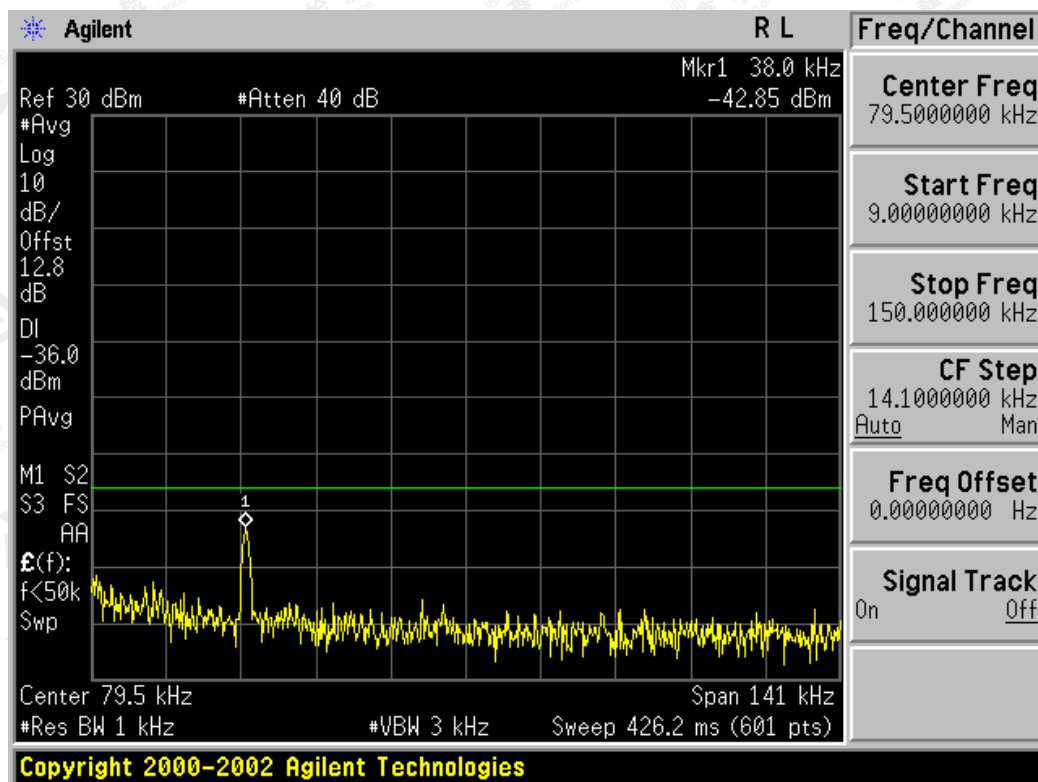
2585MHZ~2690MHZ



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## BAND VIII

Channel LCH  
9KHZ~150KHZ

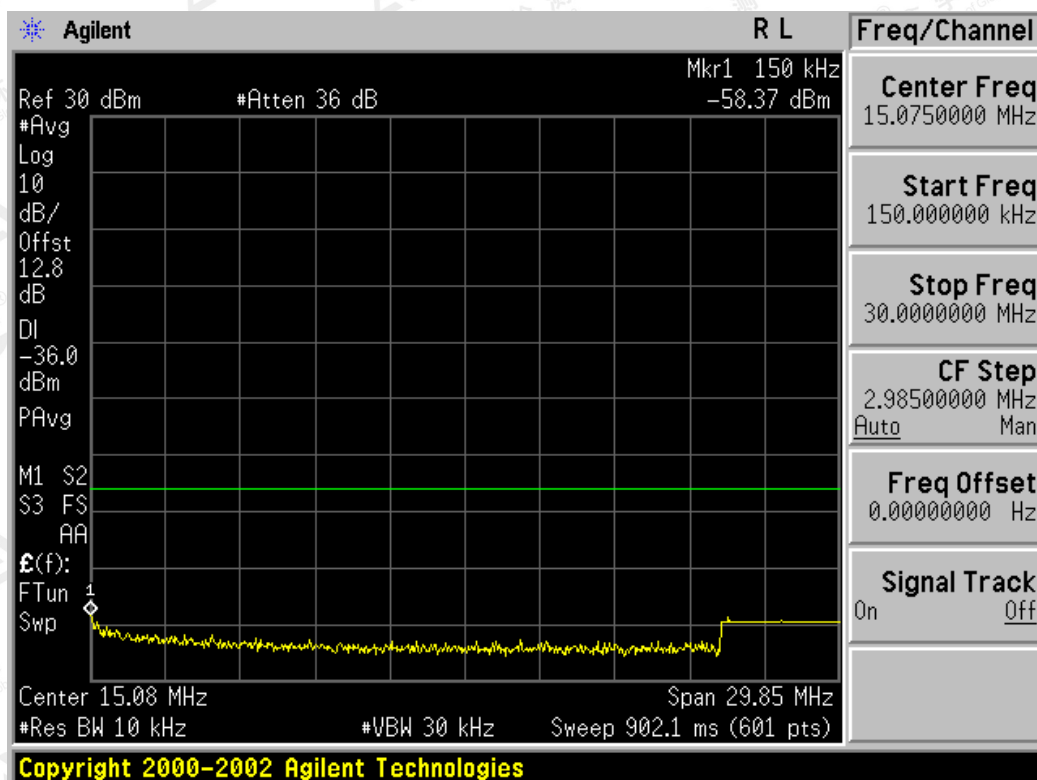


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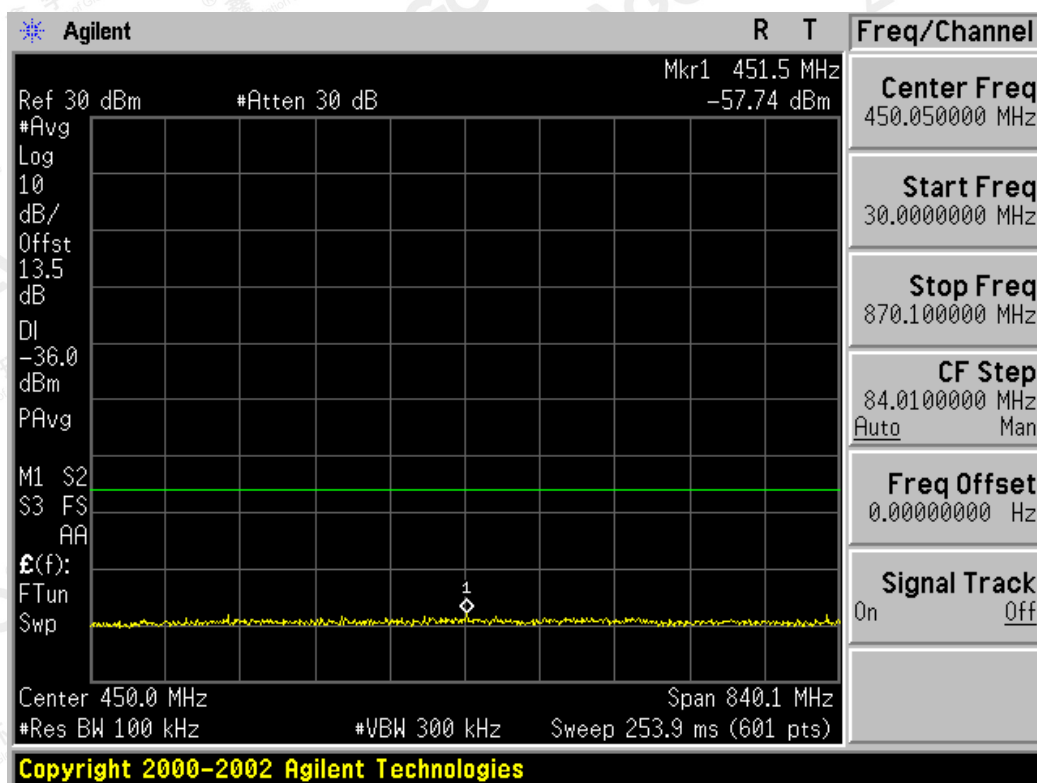
Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: [agc@agc-cert.com](mailto:agc@agc-cert.com) 400 089 2118  
Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China

150KHZ~30MHZ

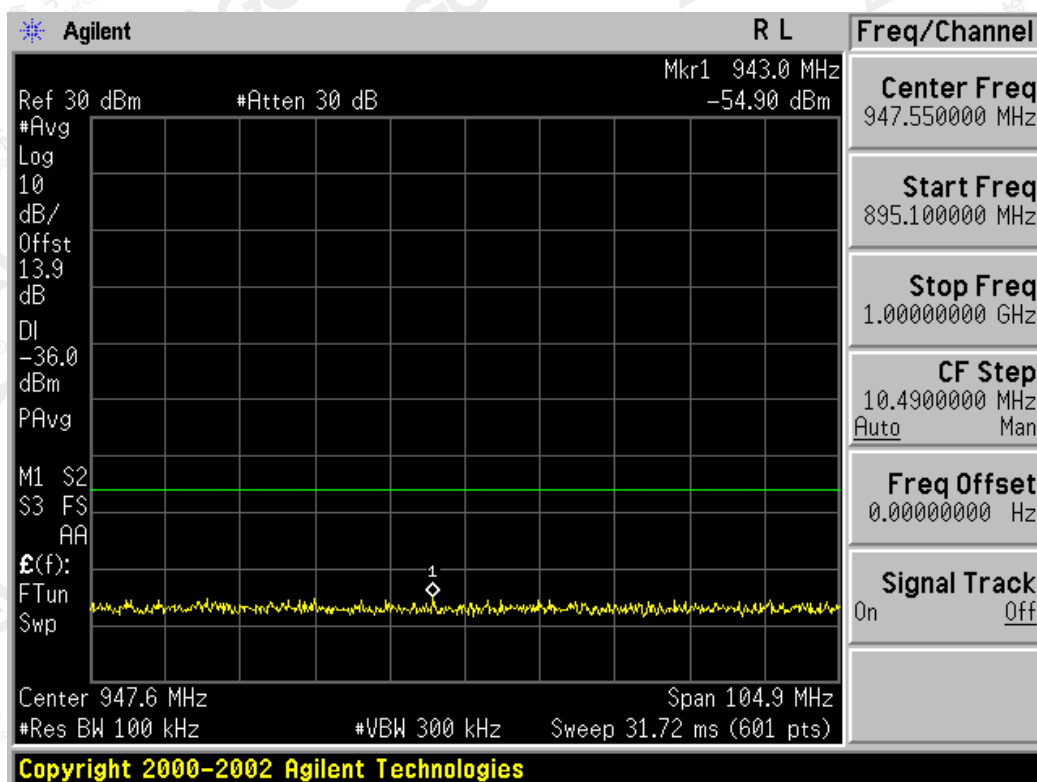


30MHZ~1GHZ

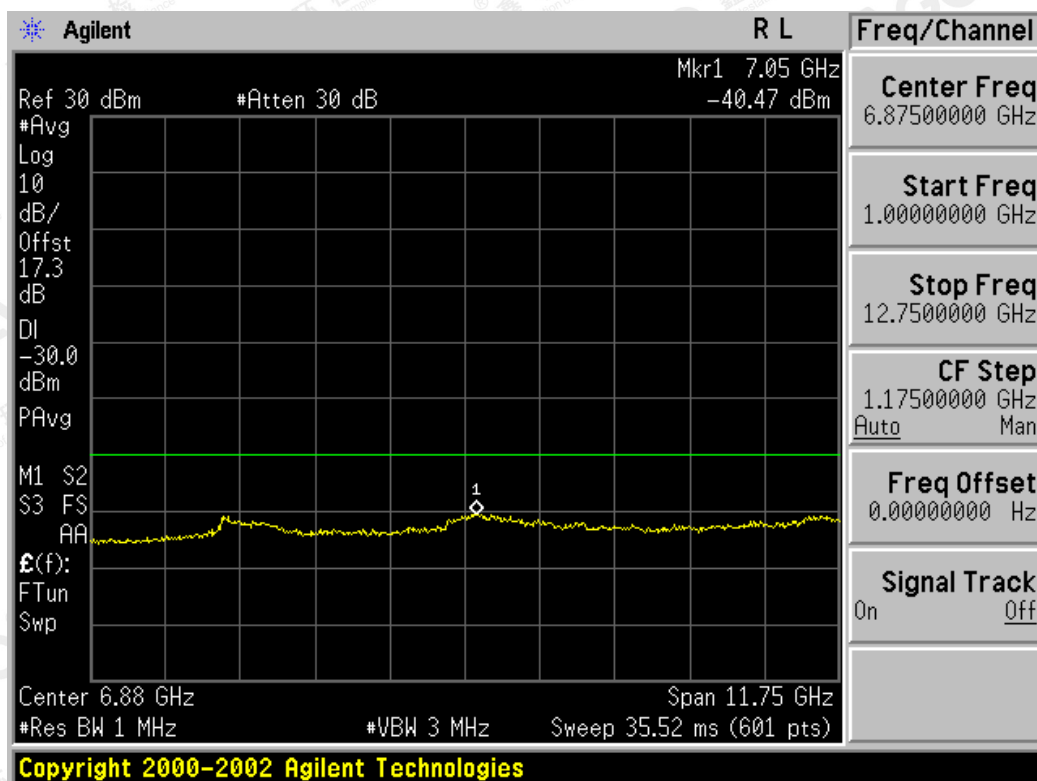


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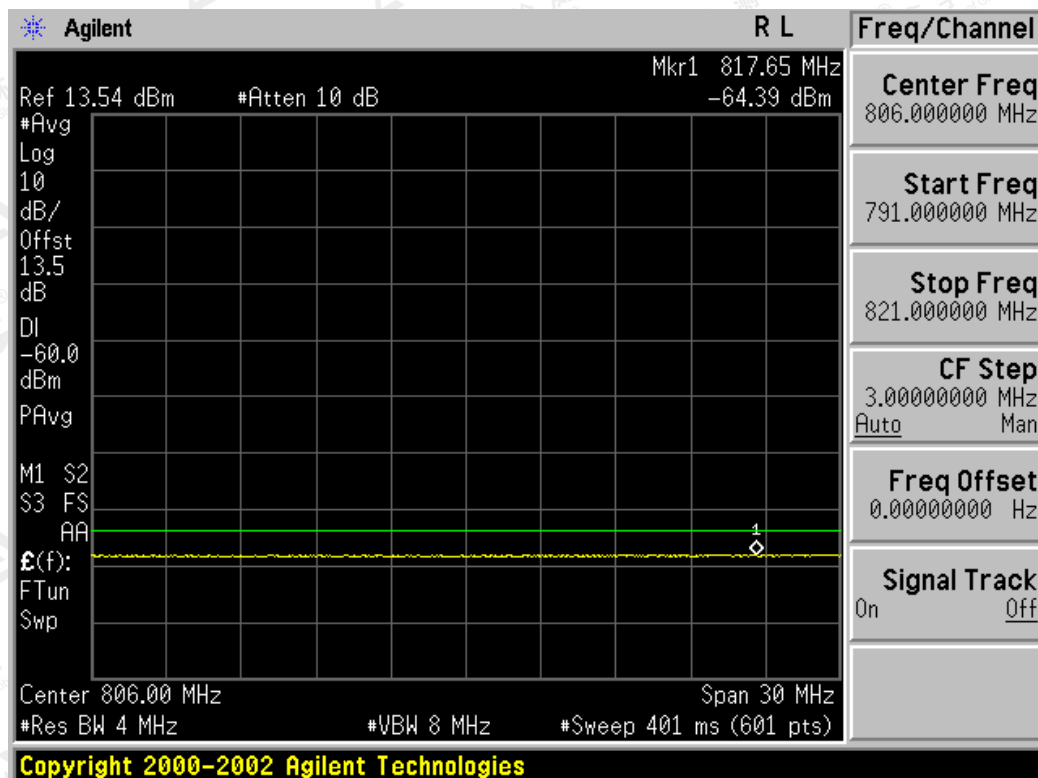


1GHZ~12.75GHZ

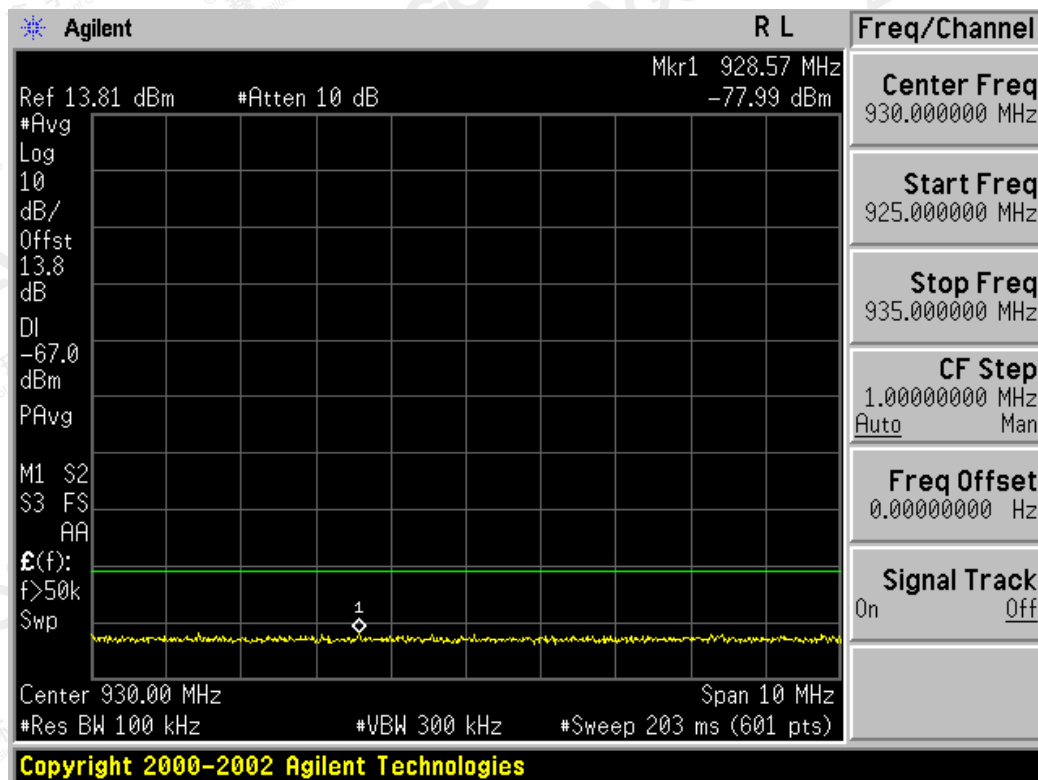


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791MHZ~821MHZ

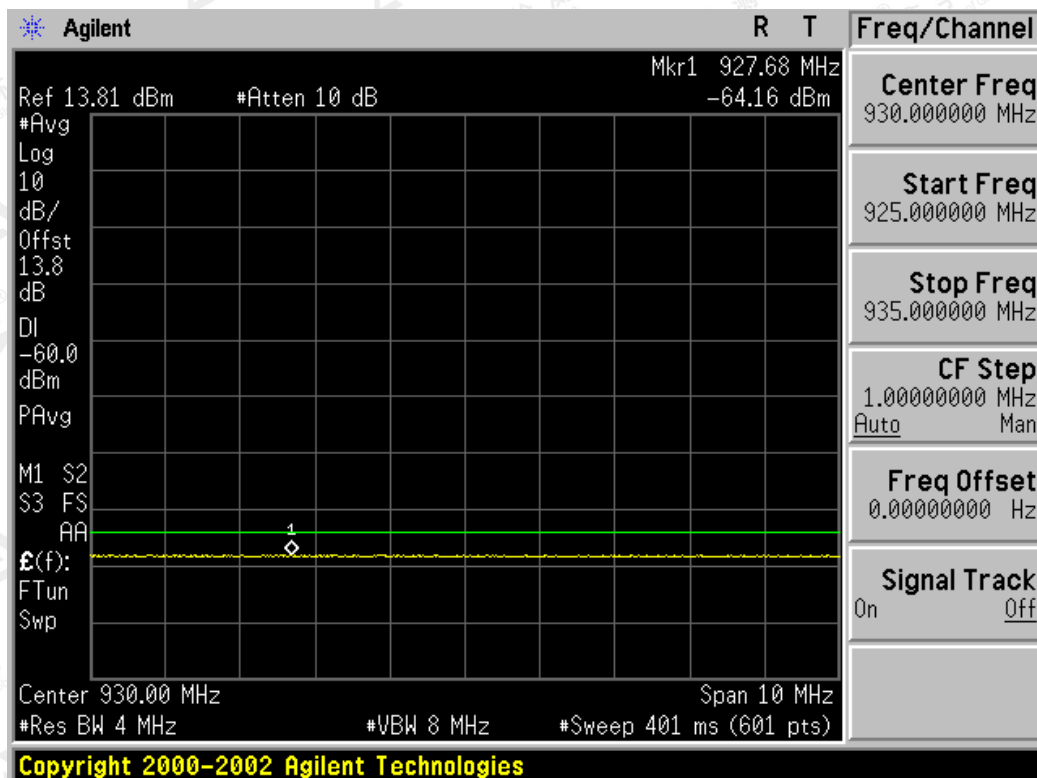


925MHZ~935MHZ

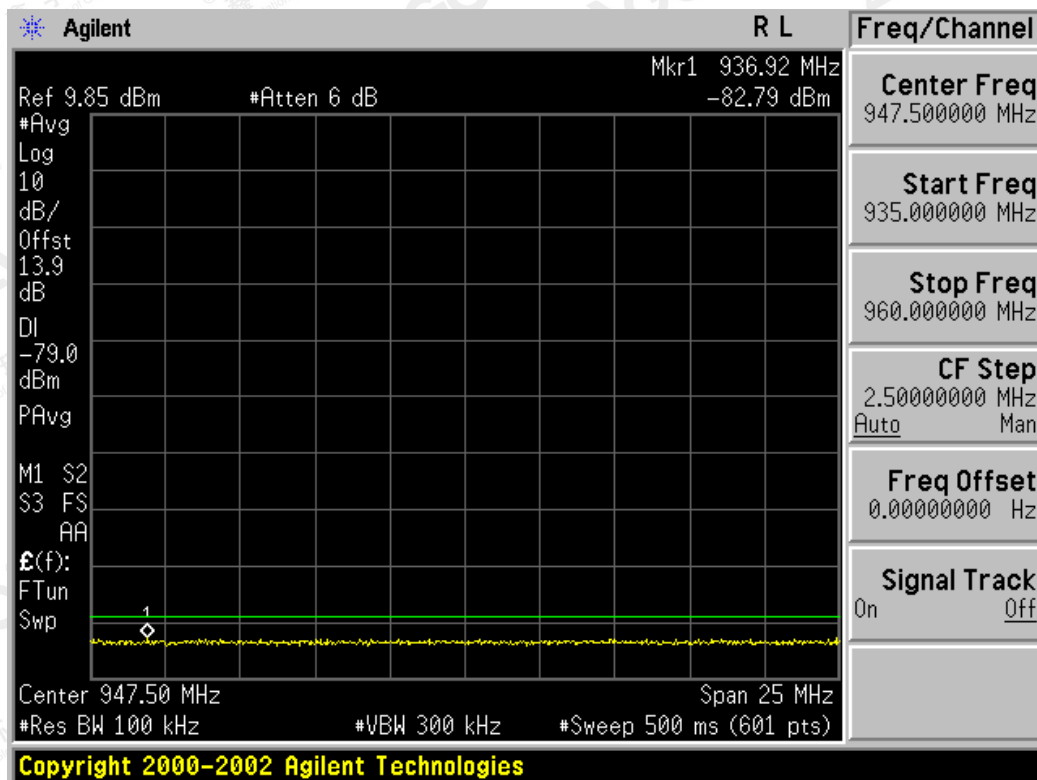


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925MHZ~935MHZ



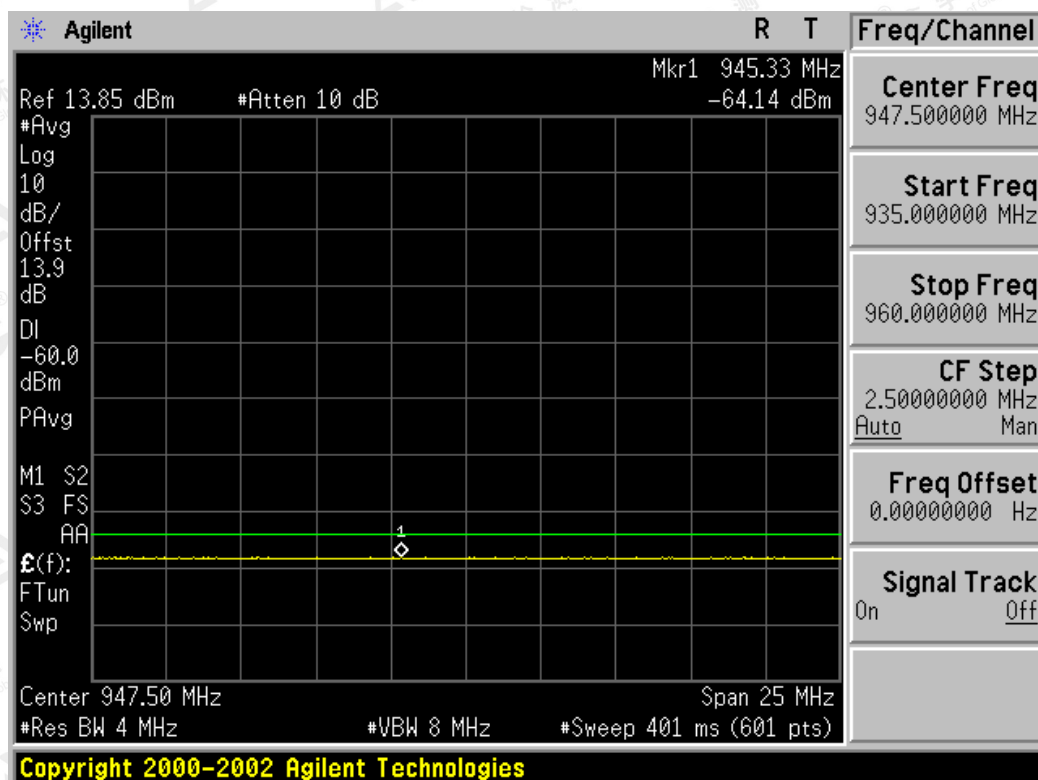
935MHZ~960MHZ



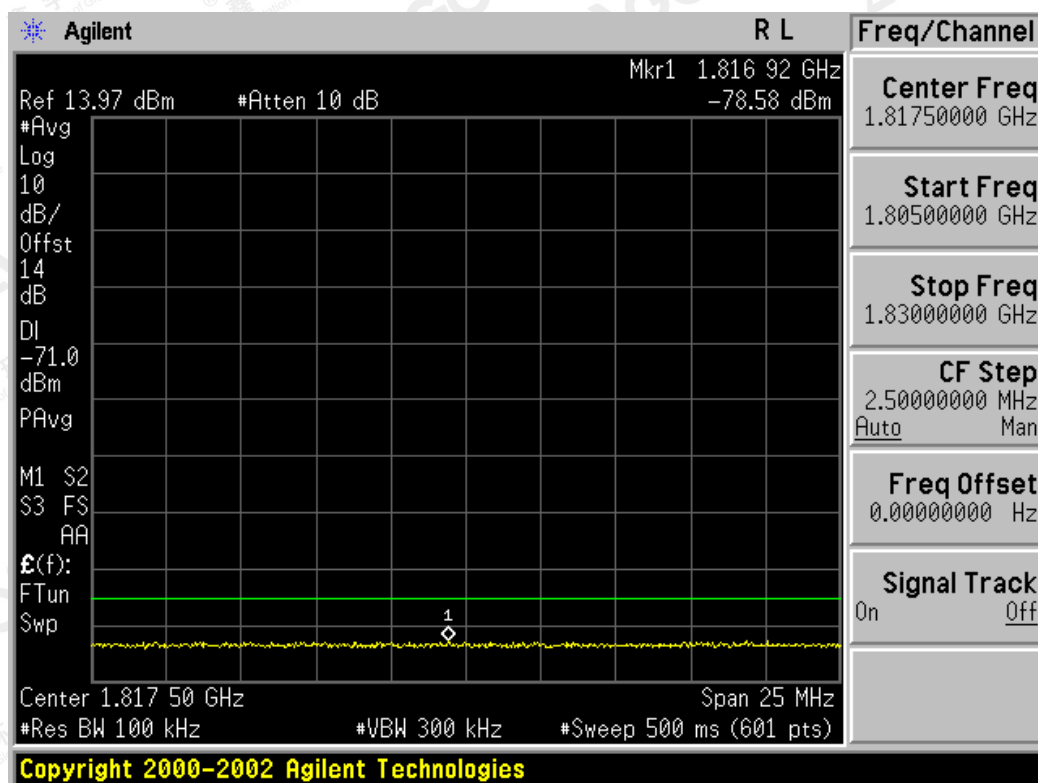
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935MHZ~960MHZ

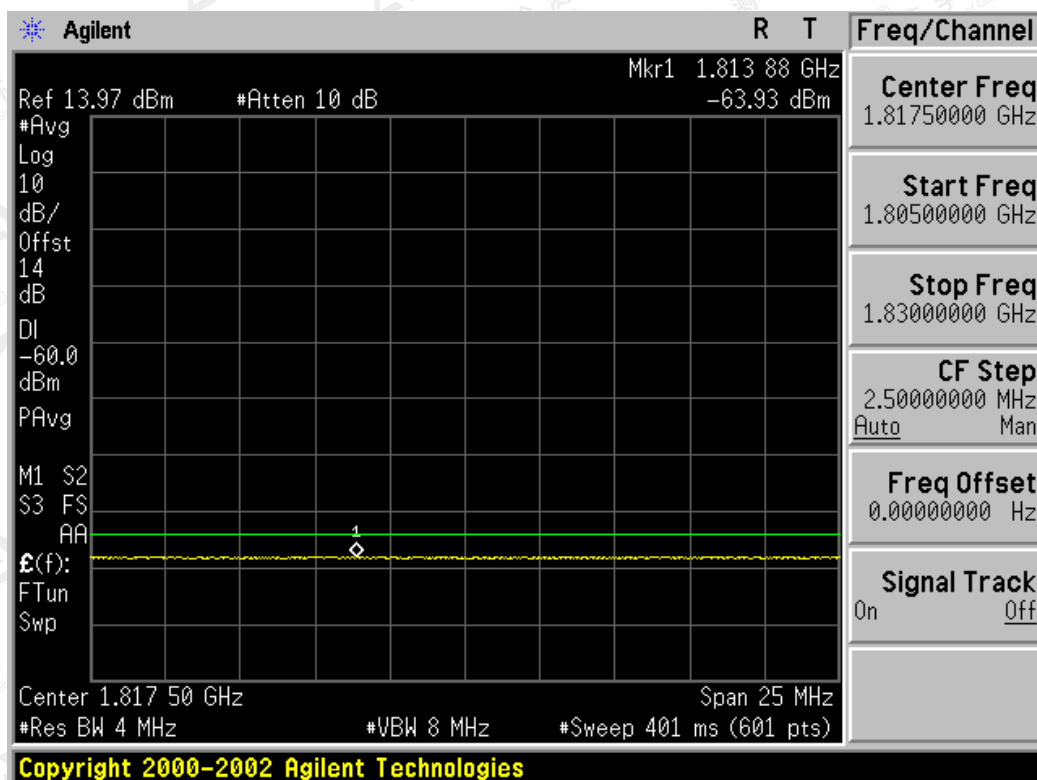


1805MHZ~1830MHZ

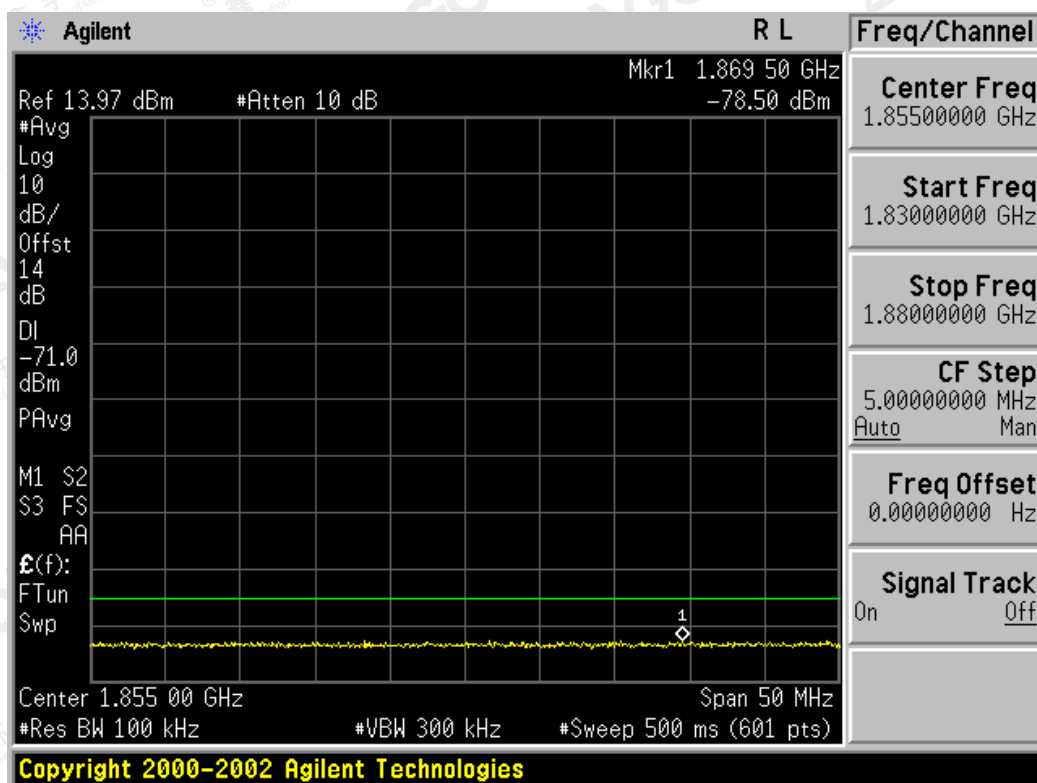


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1805MHz~1830MHz

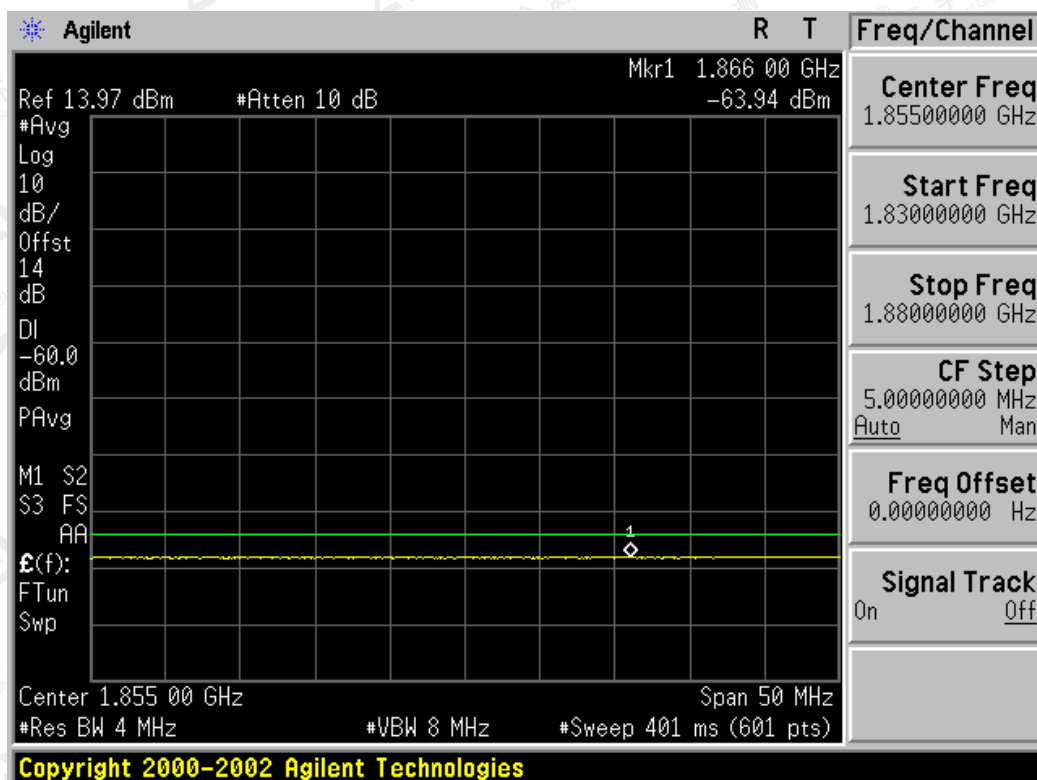


1830MHz~1880MHz

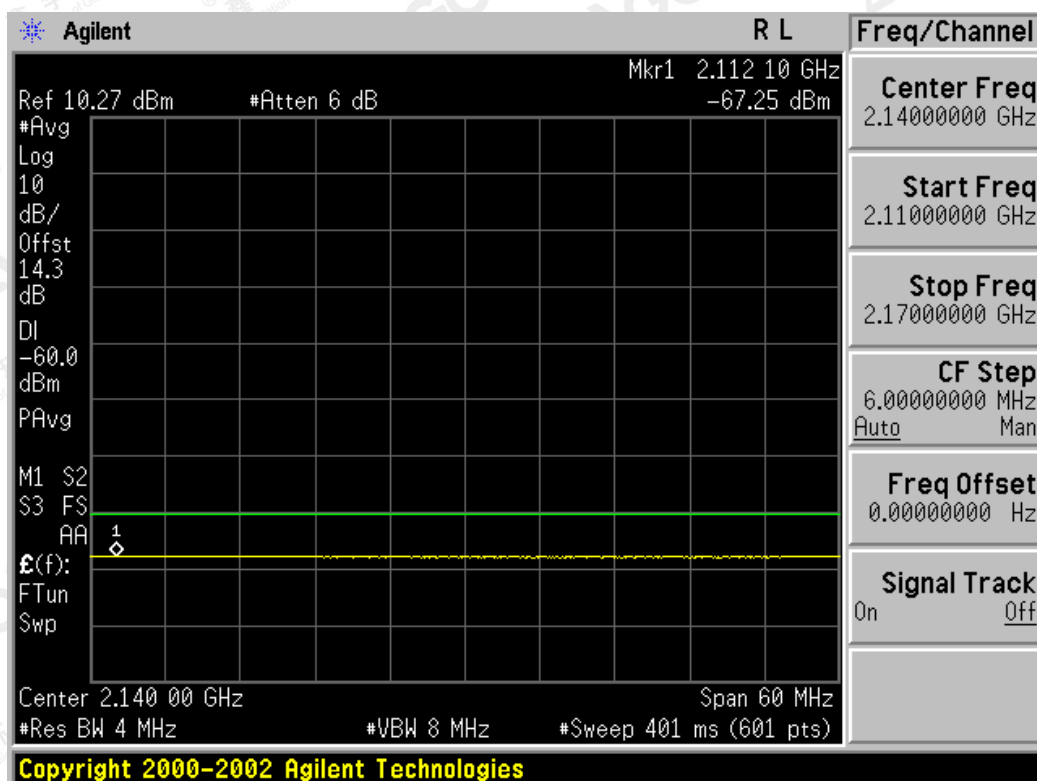


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1830MHZ~1880MHZ



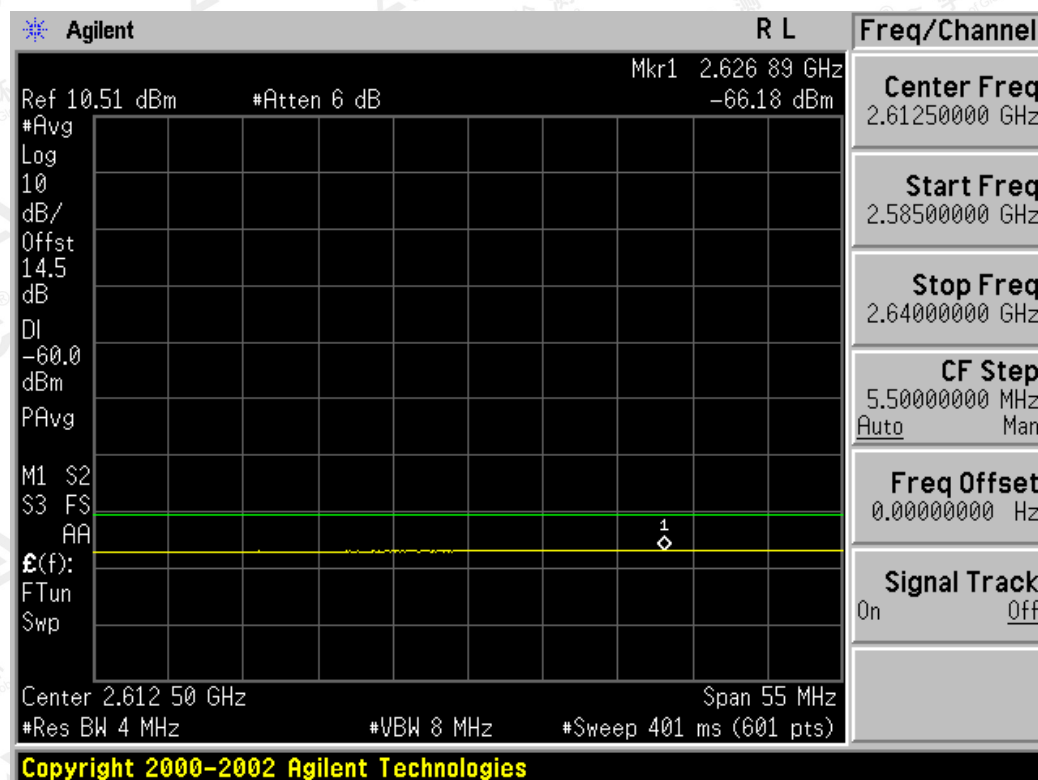
2110MHZ~2170MHZ



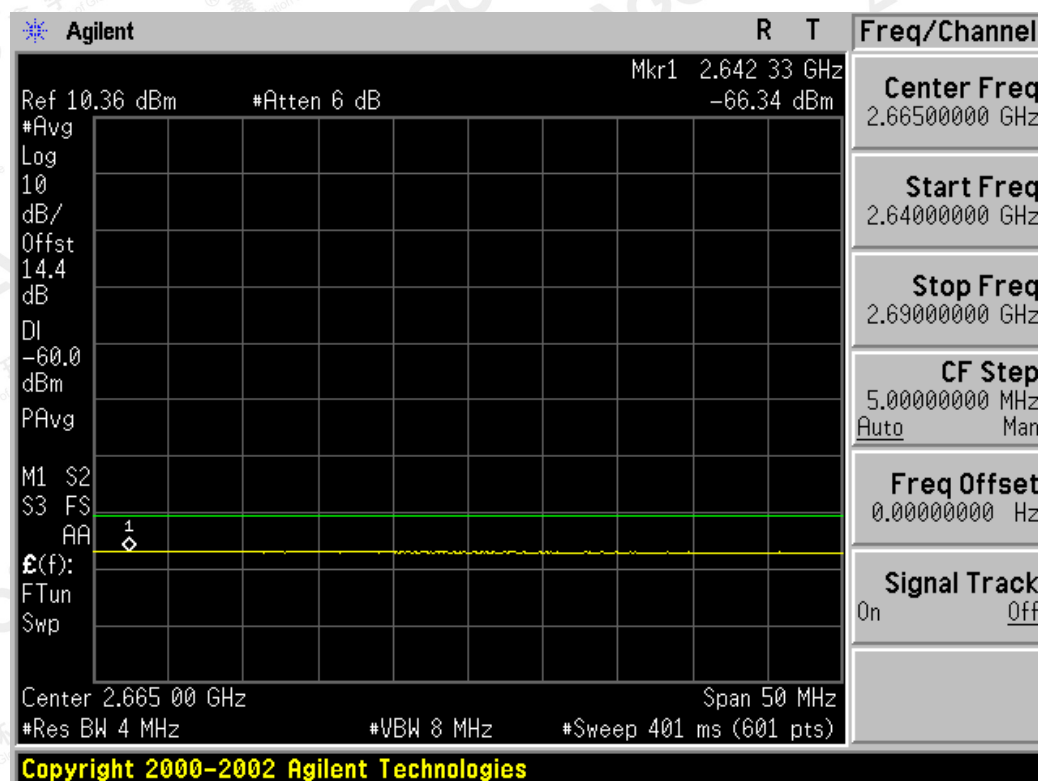
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



2585MHZ~2640MHZ

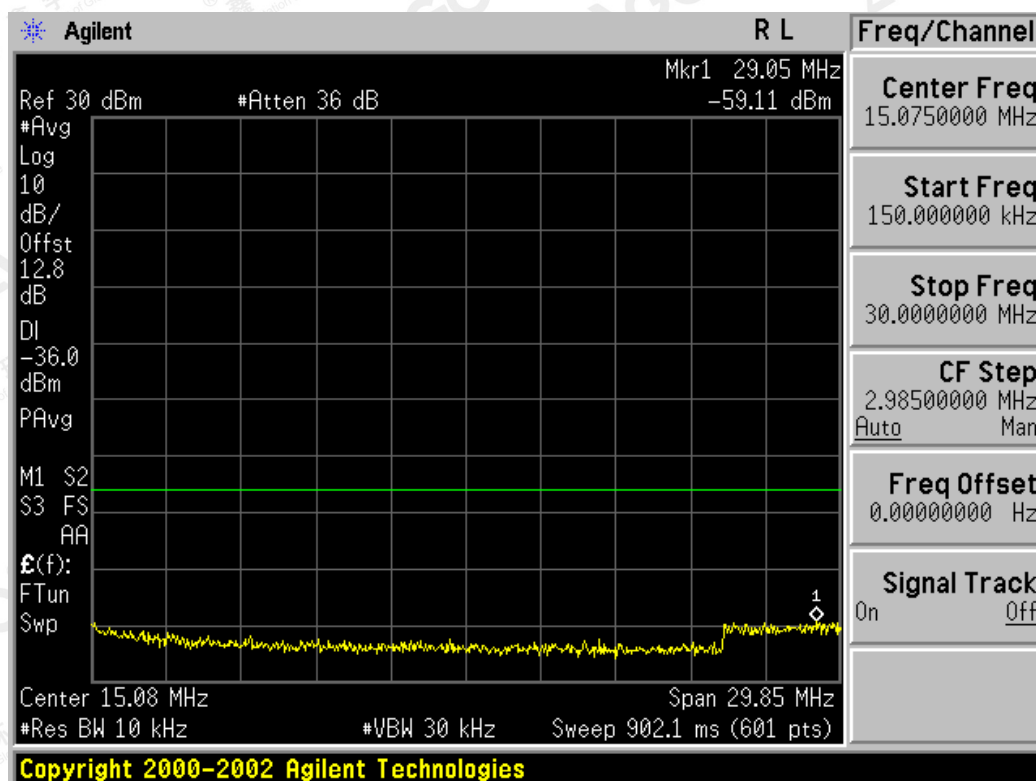
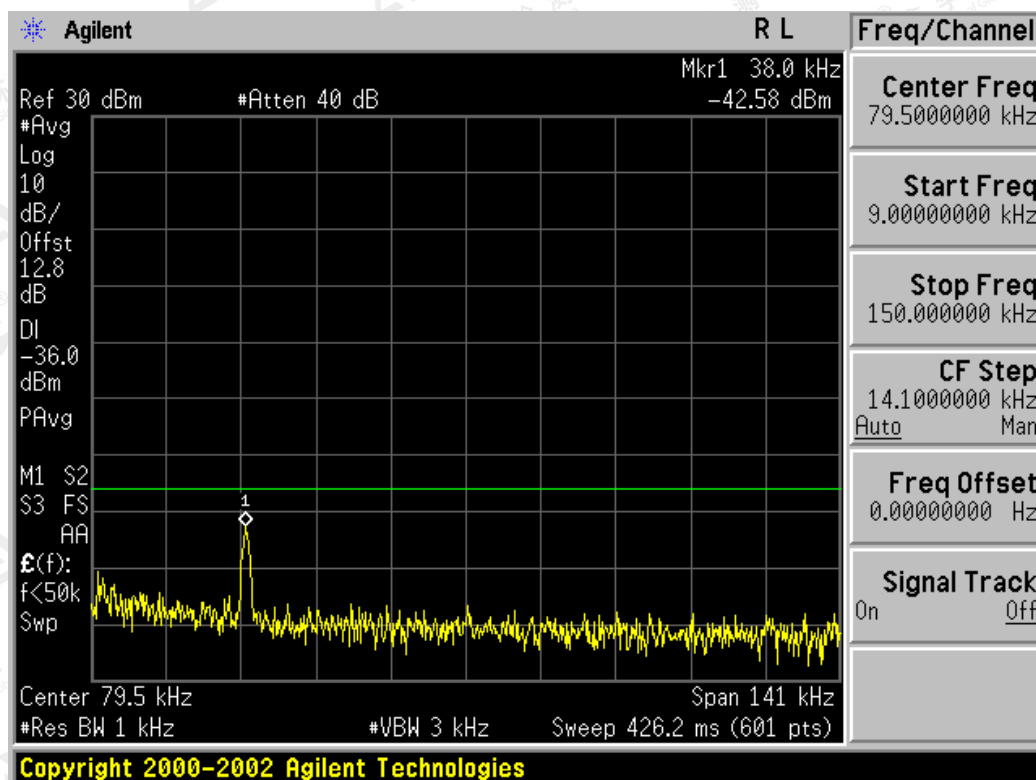


2640MHZ~2690MHZ

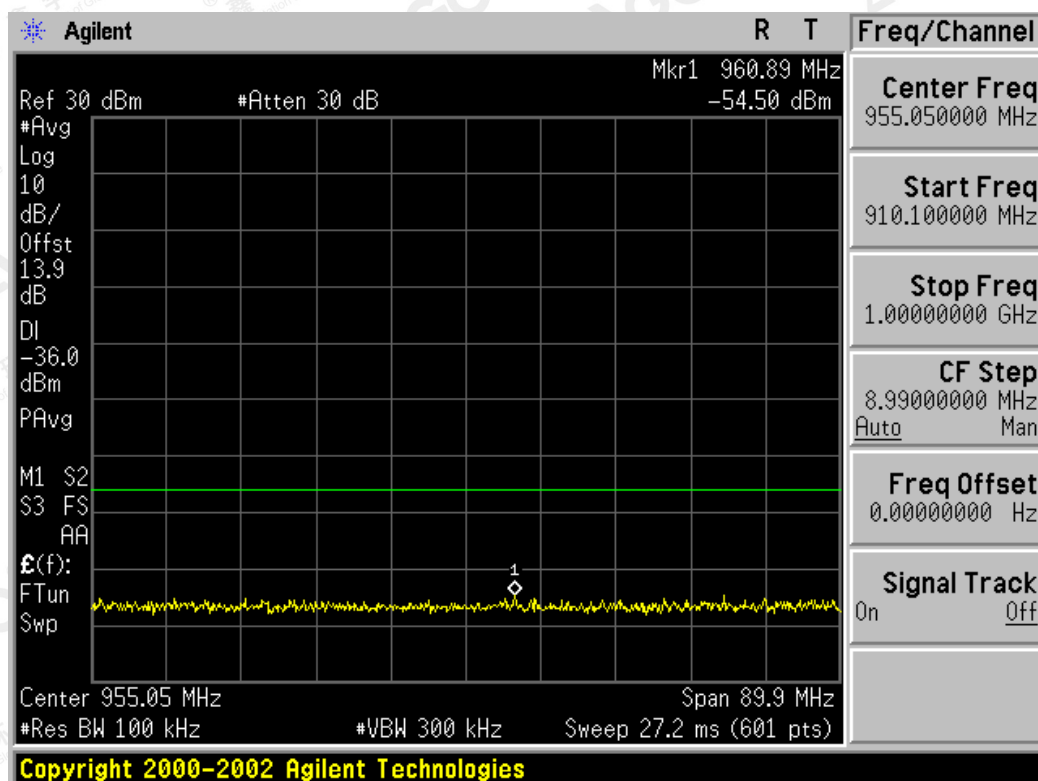
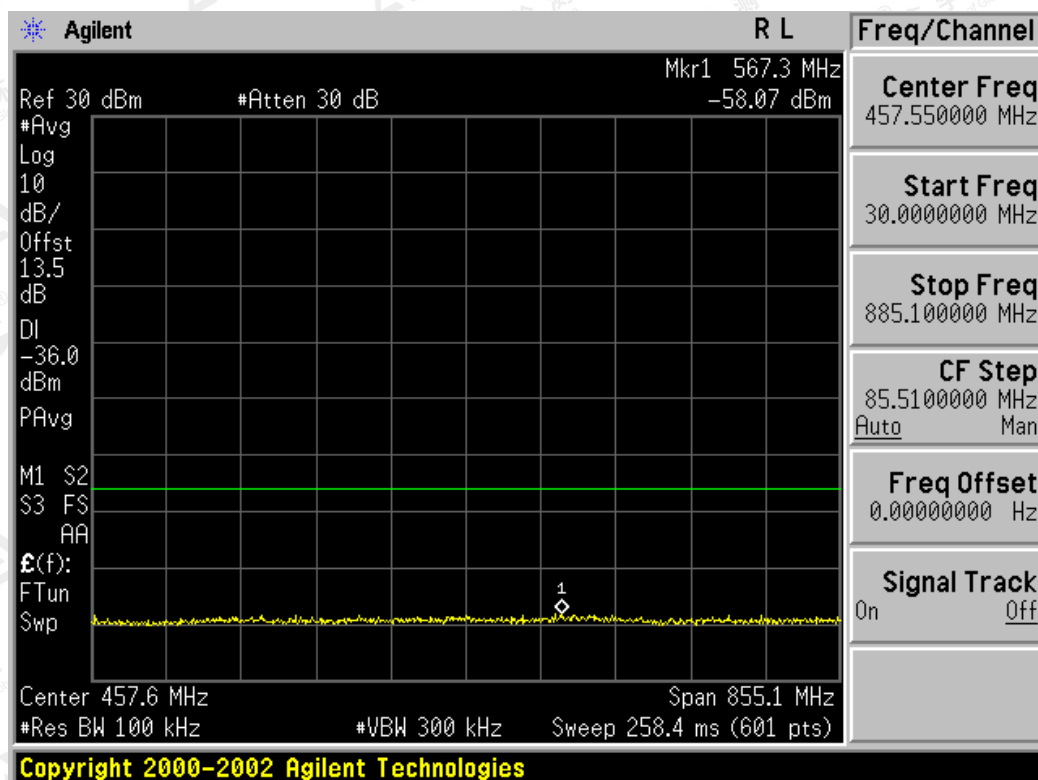


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Channel MCH

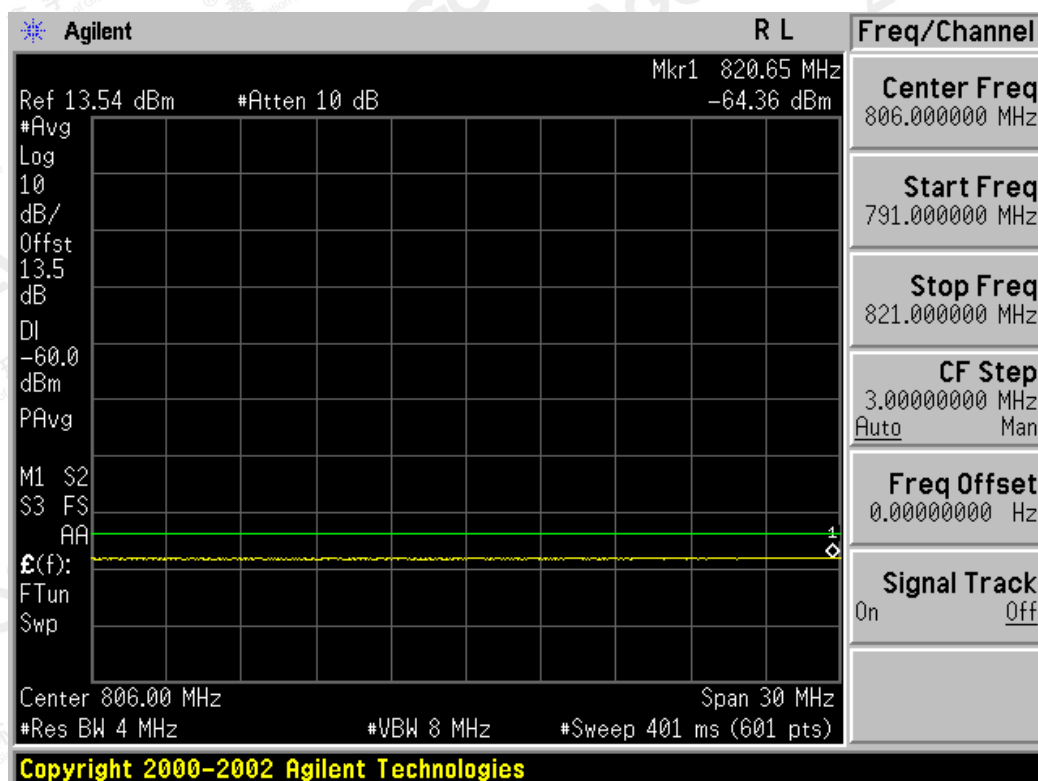
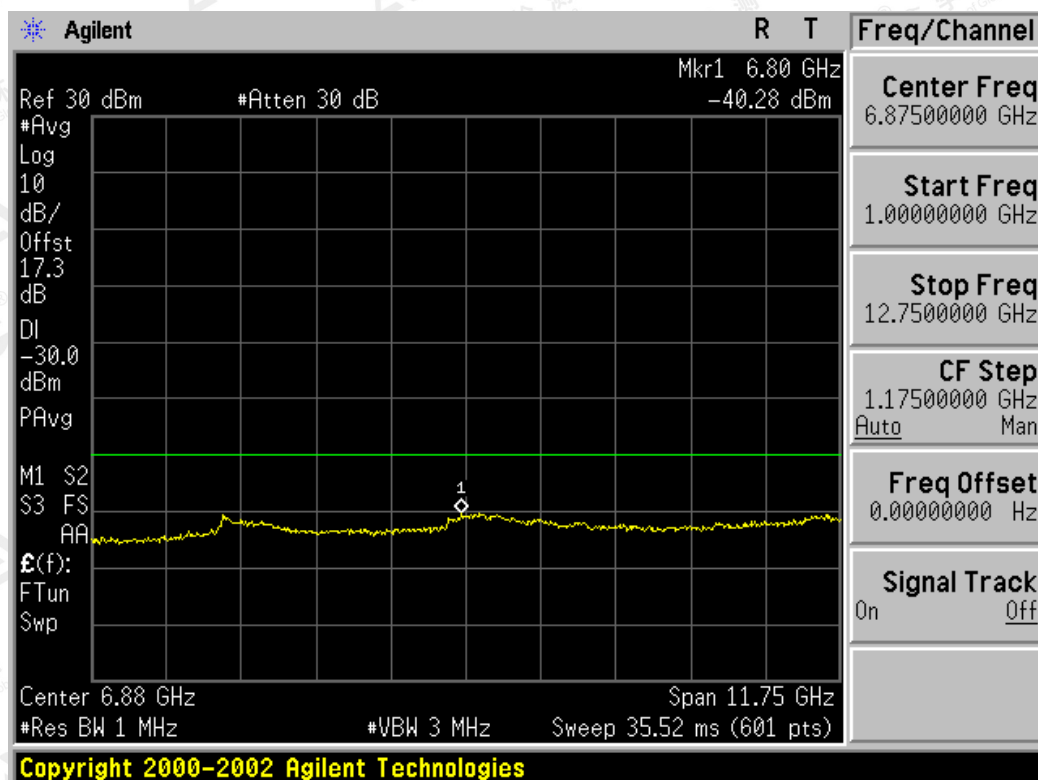


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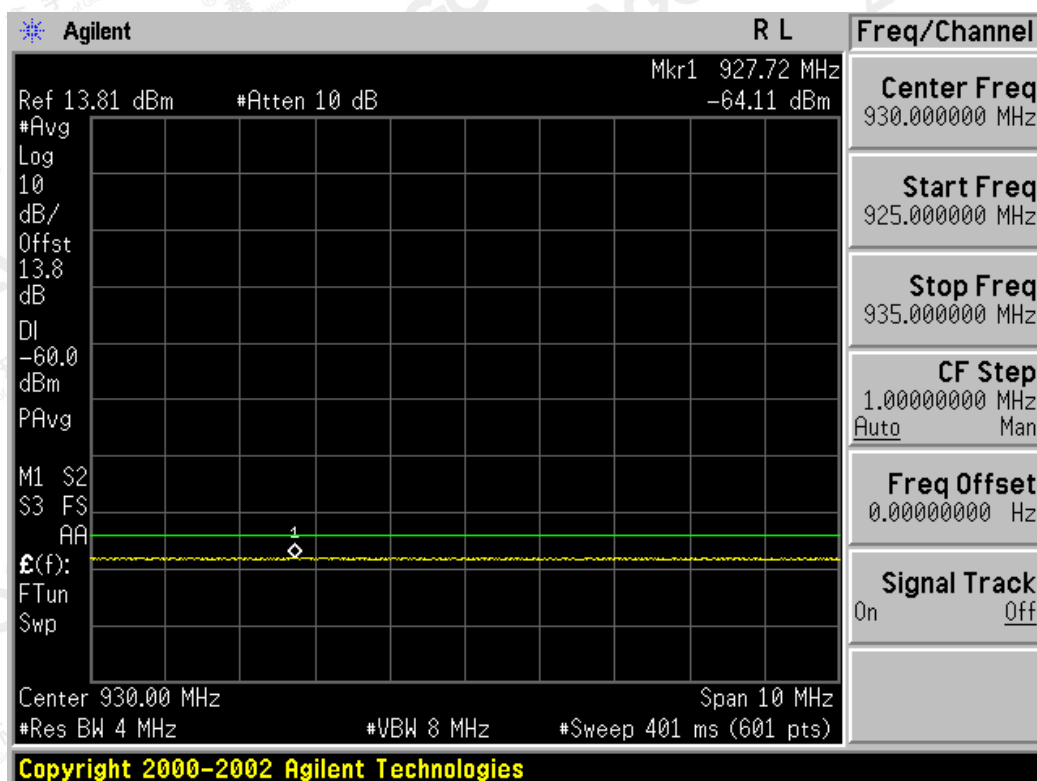
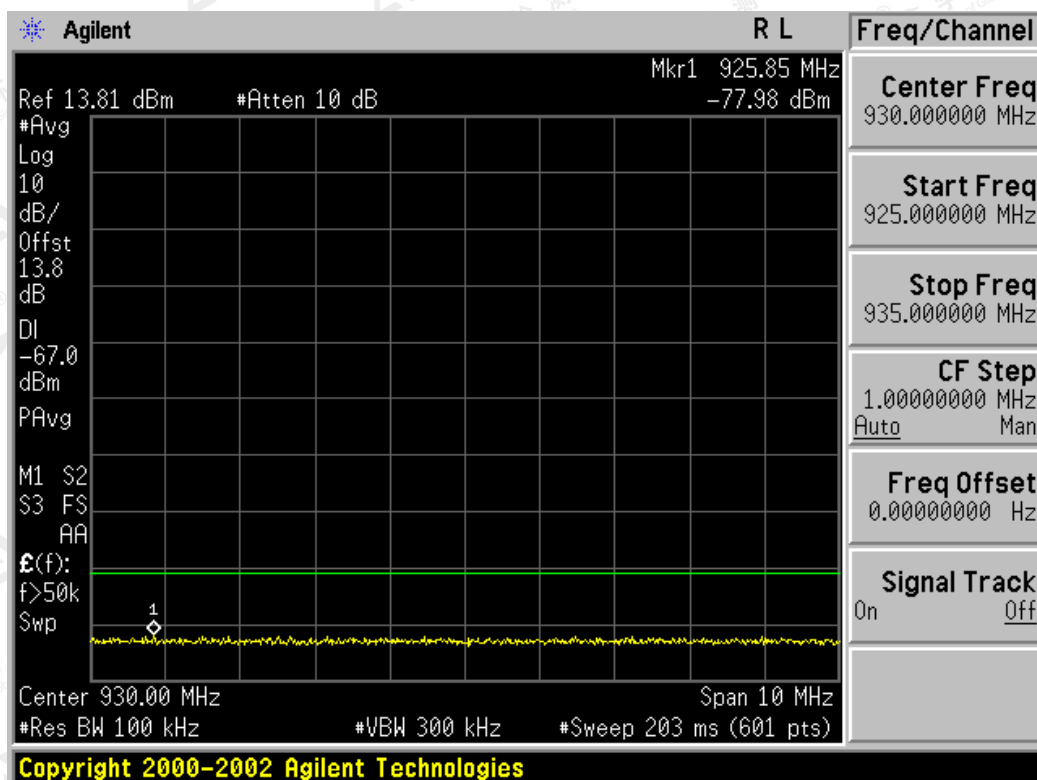


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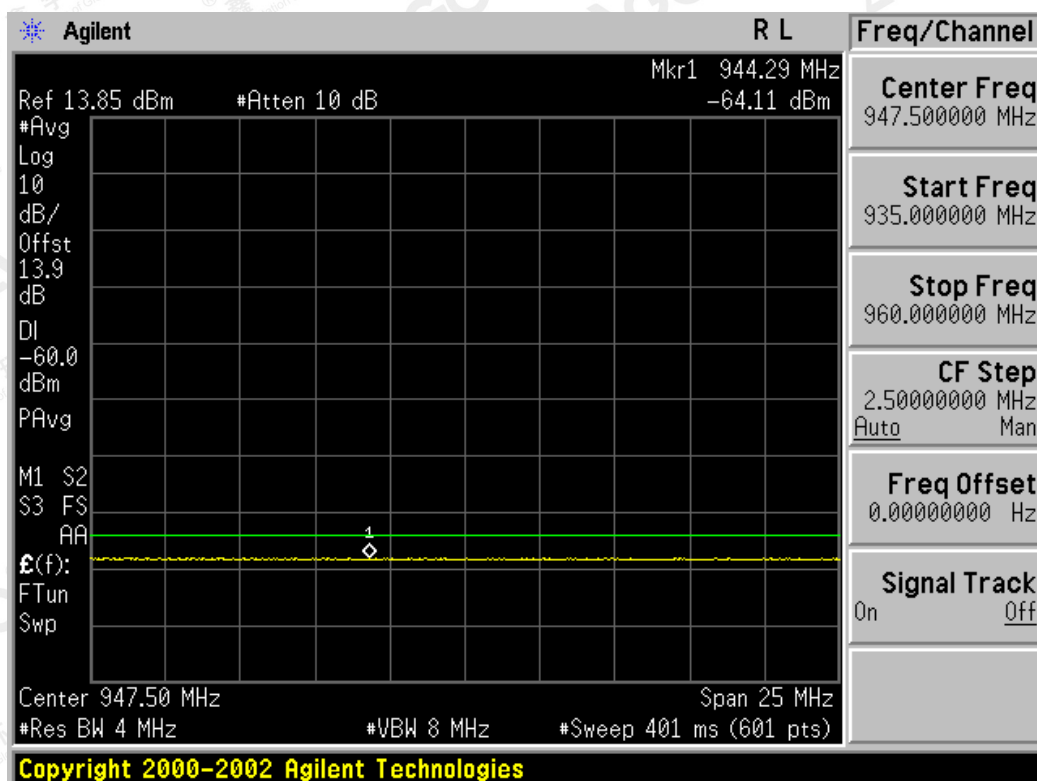
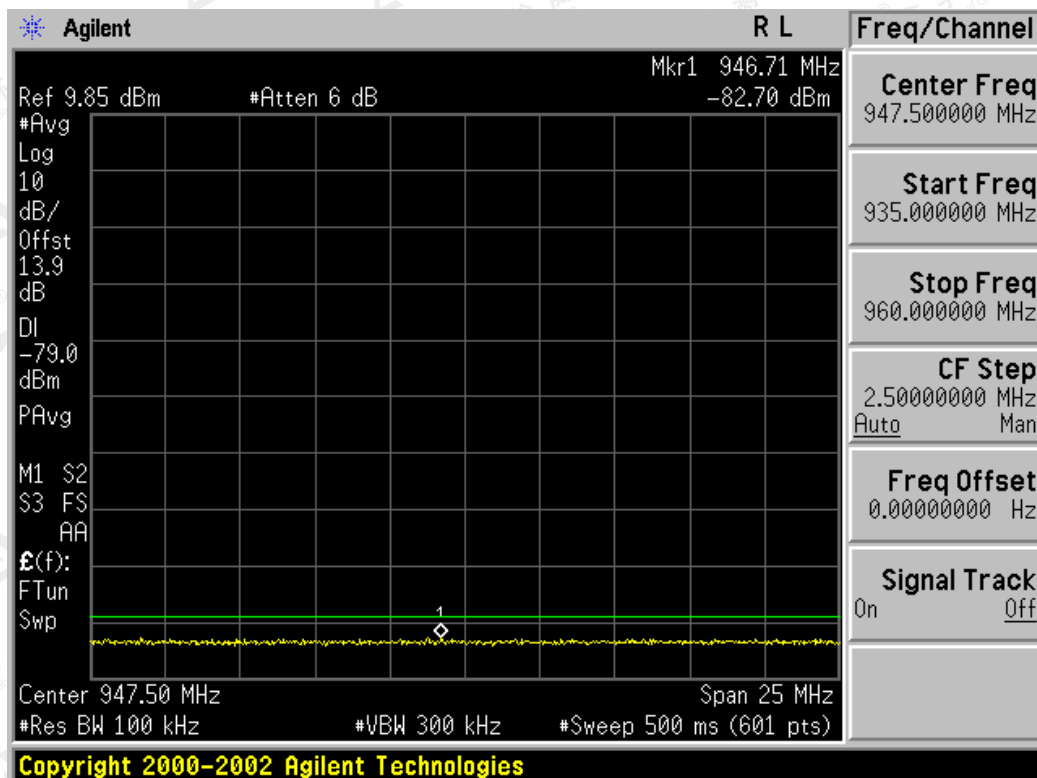




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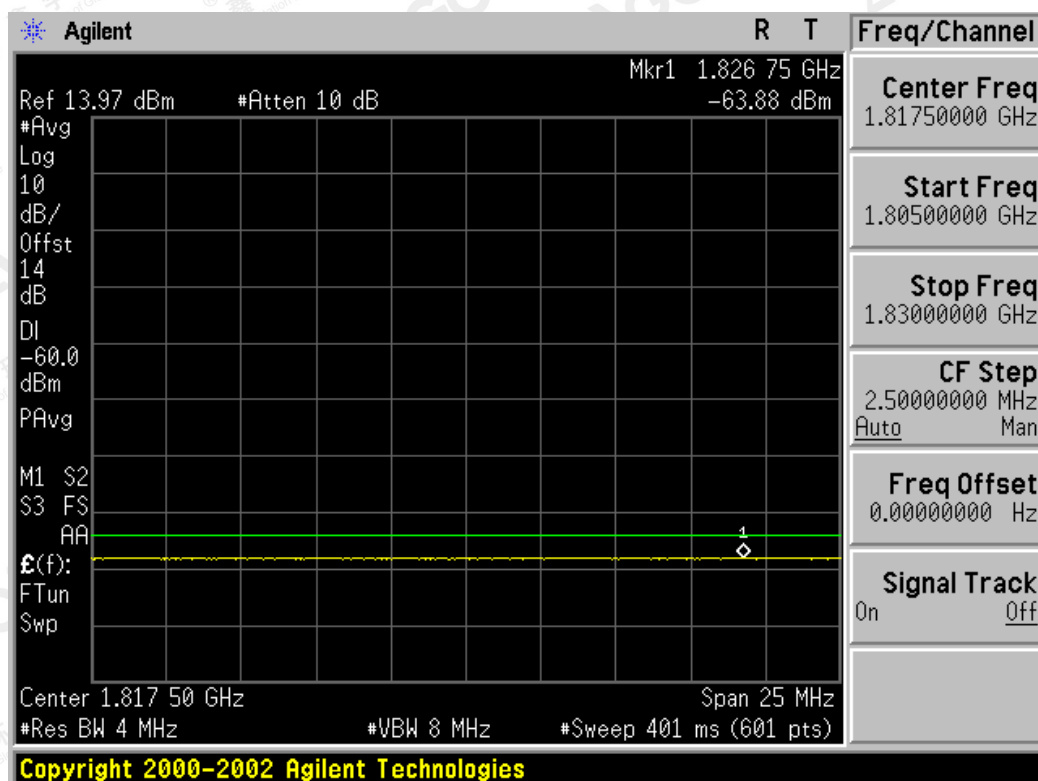
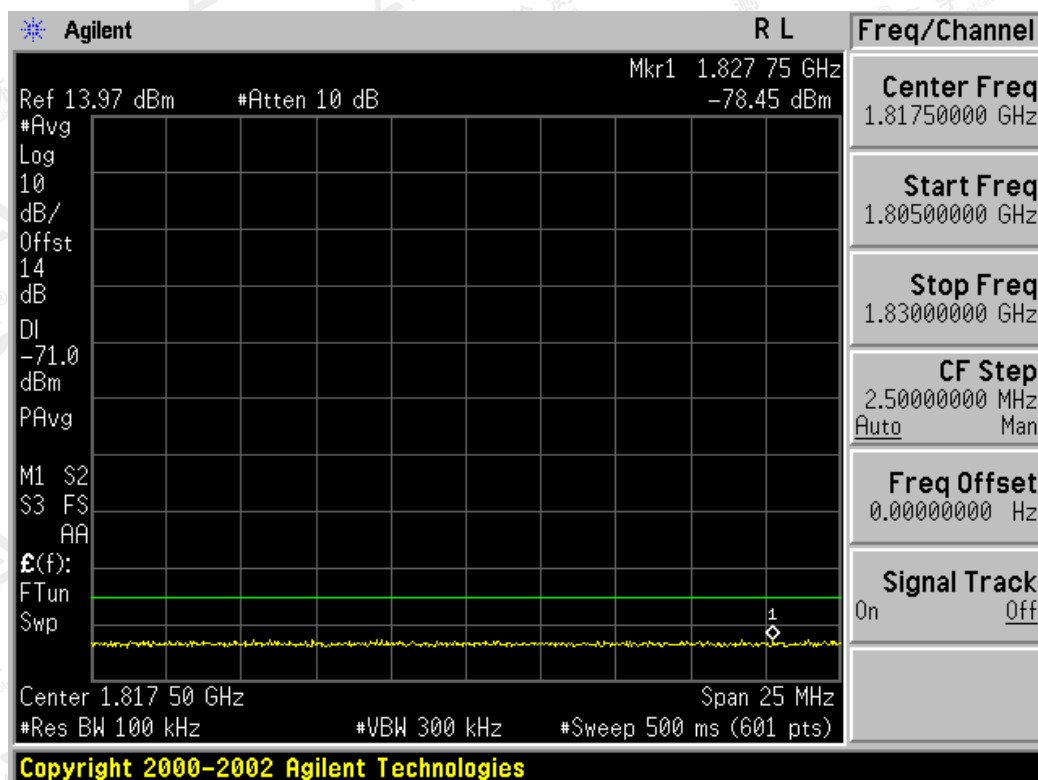


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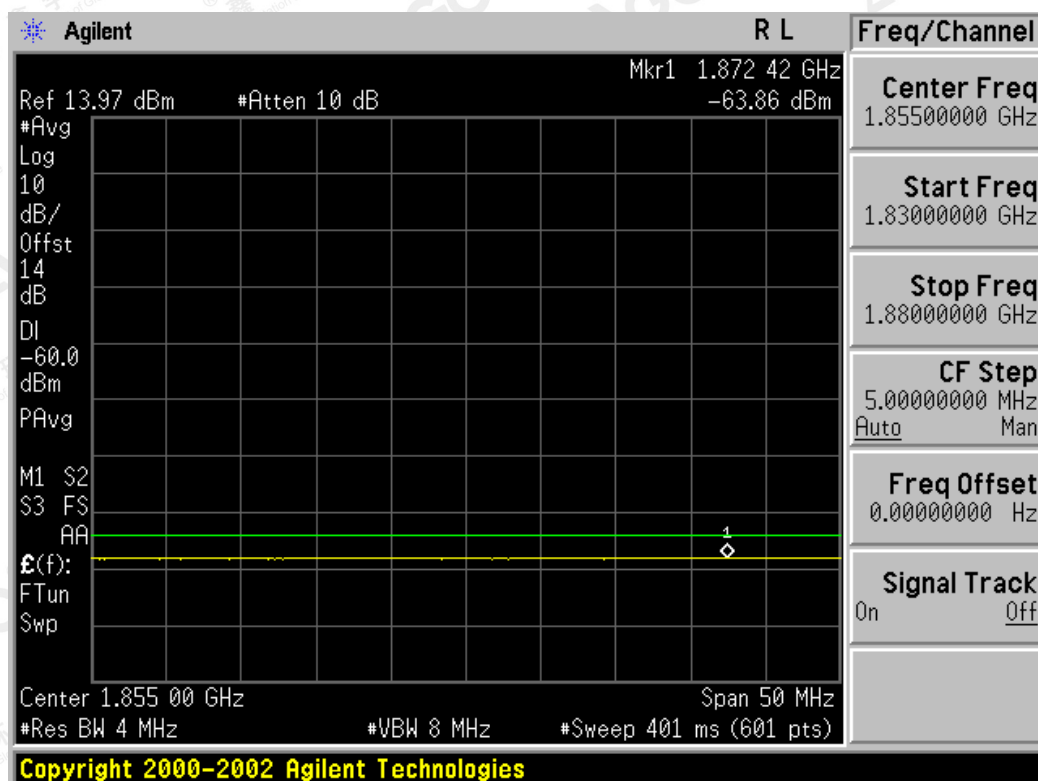
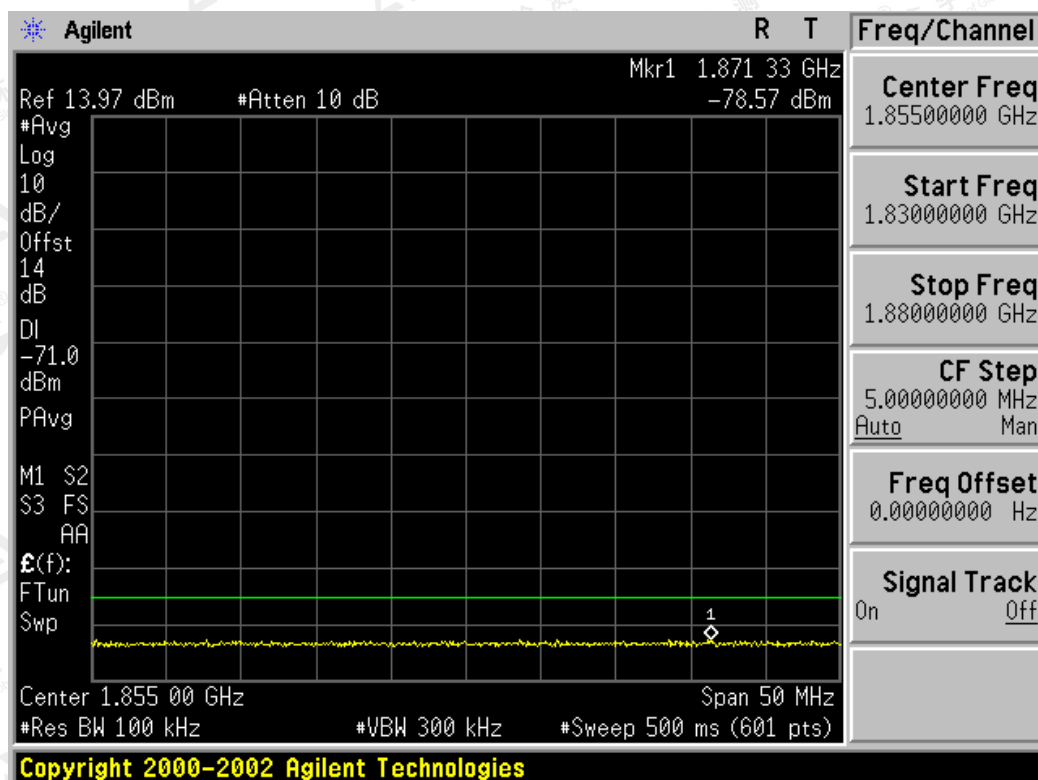


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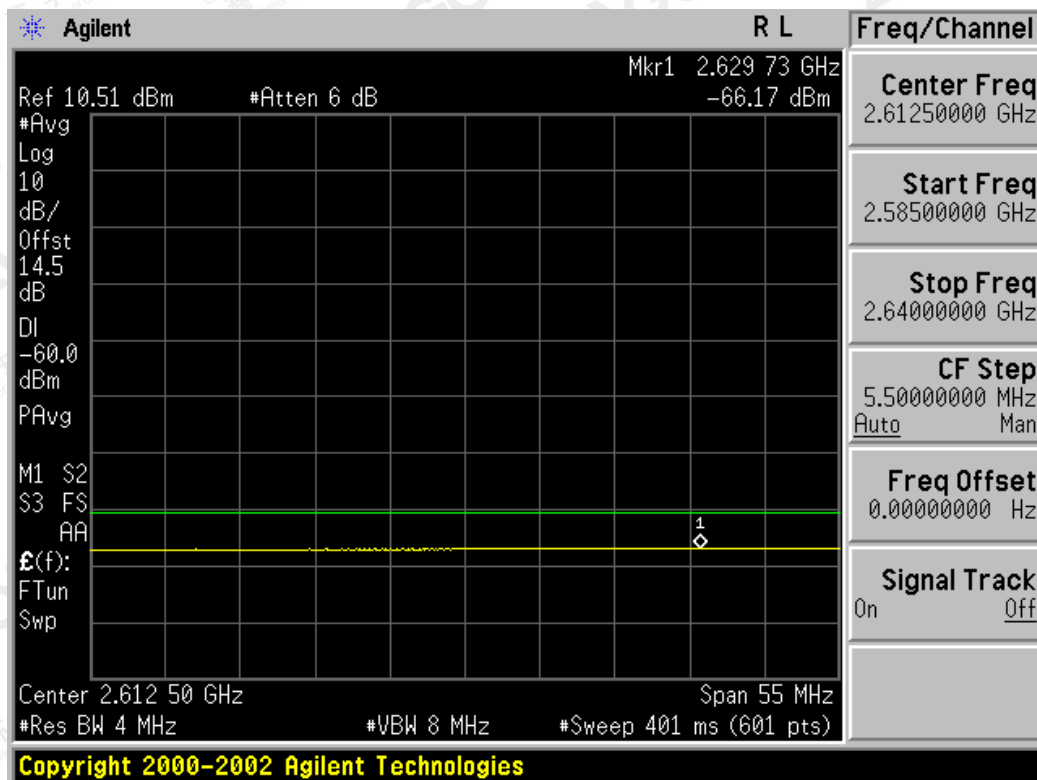
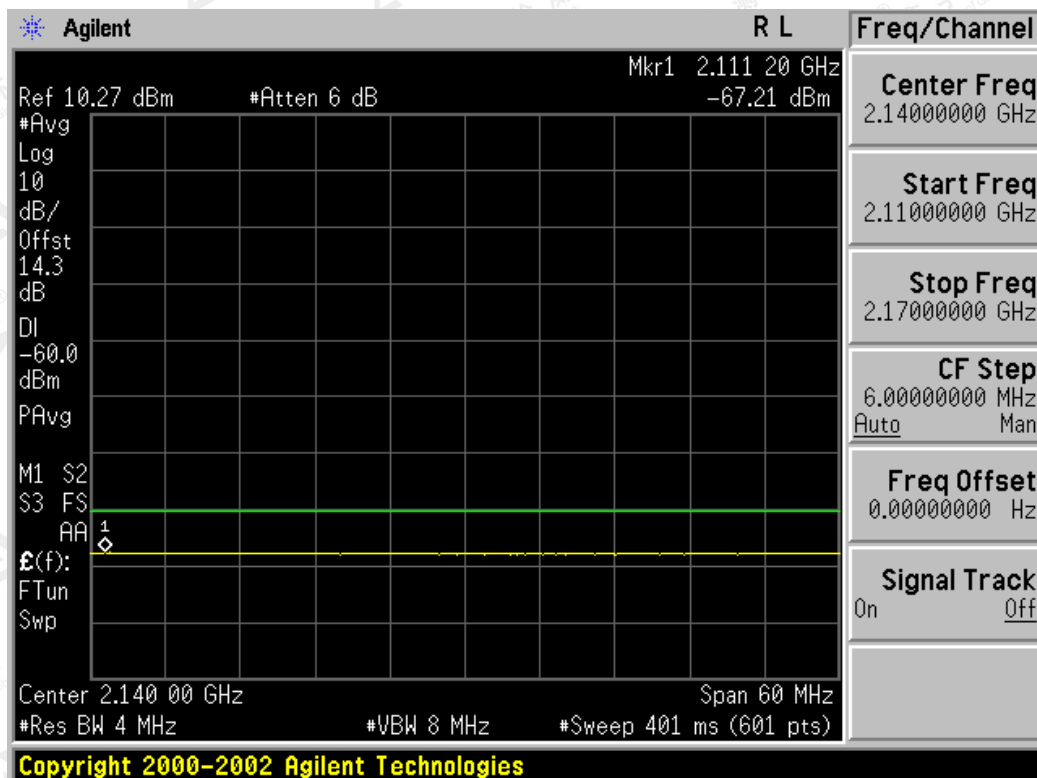




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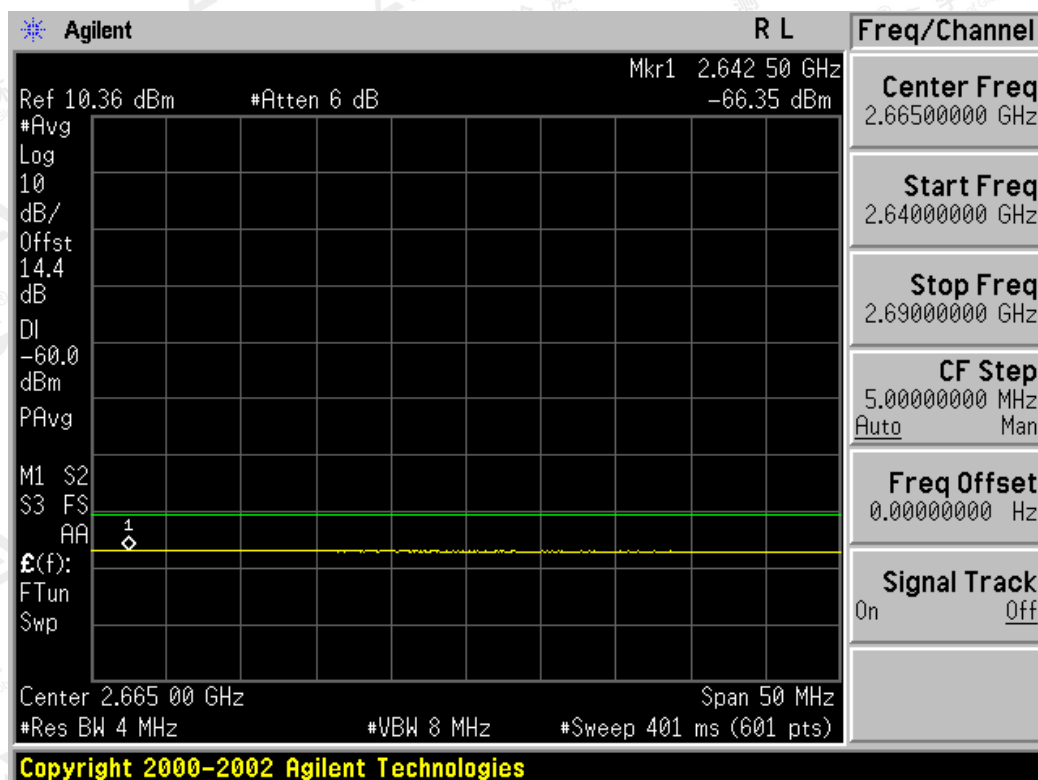


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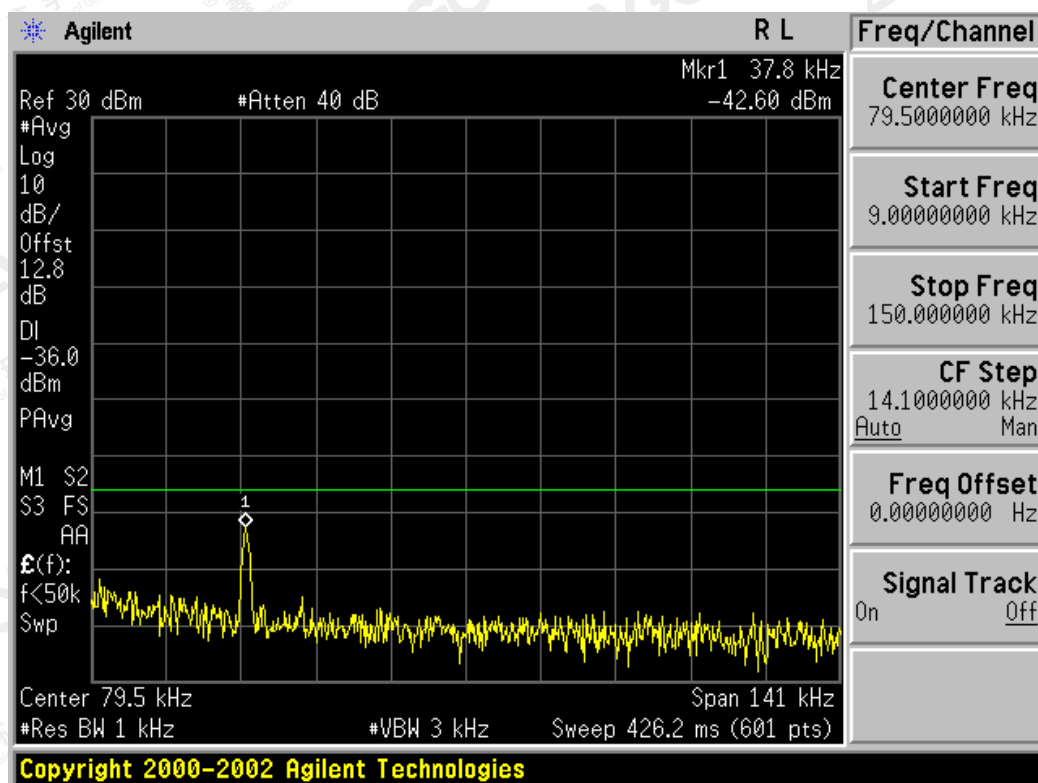


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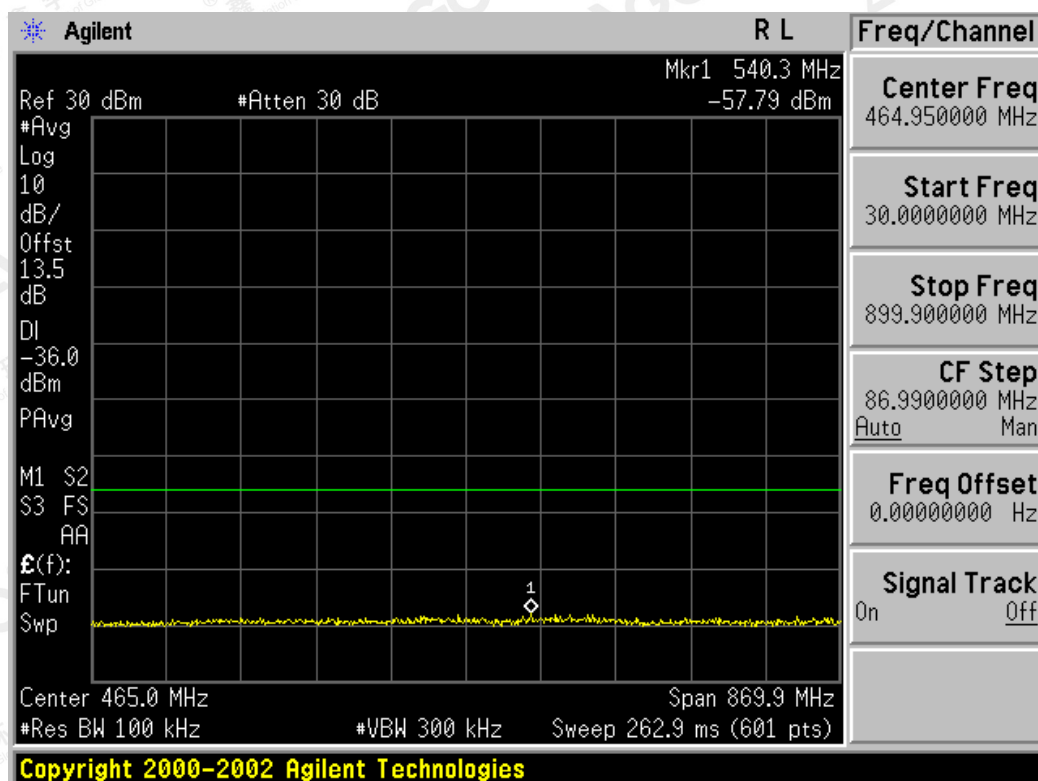
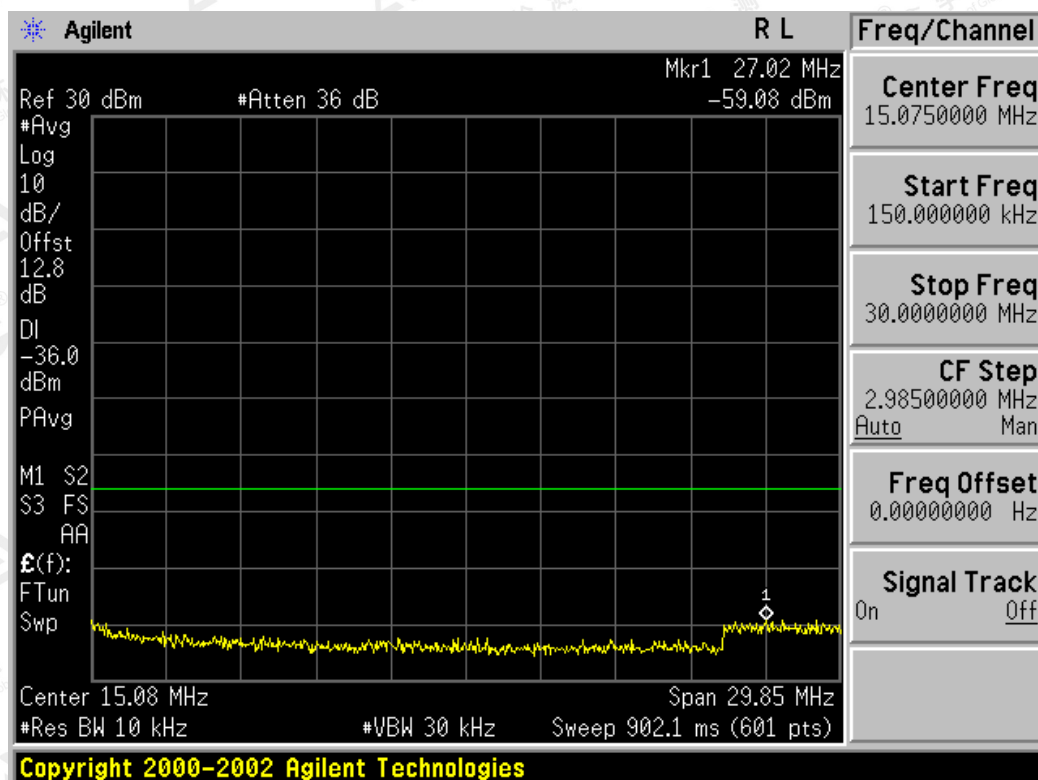




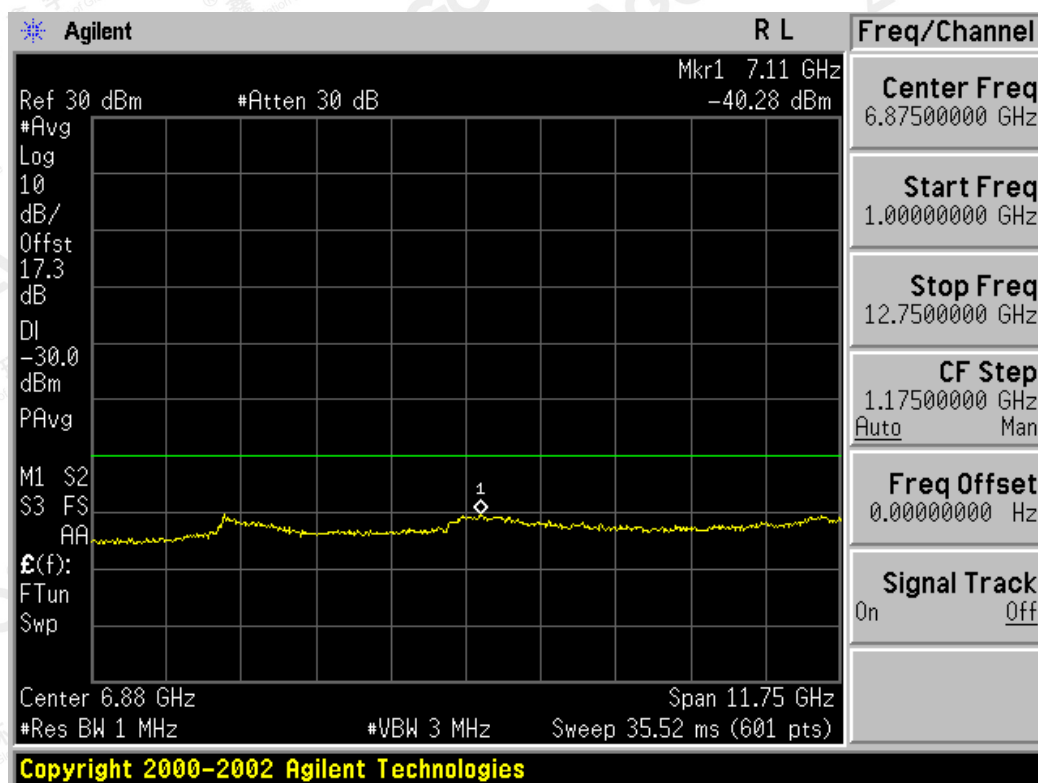
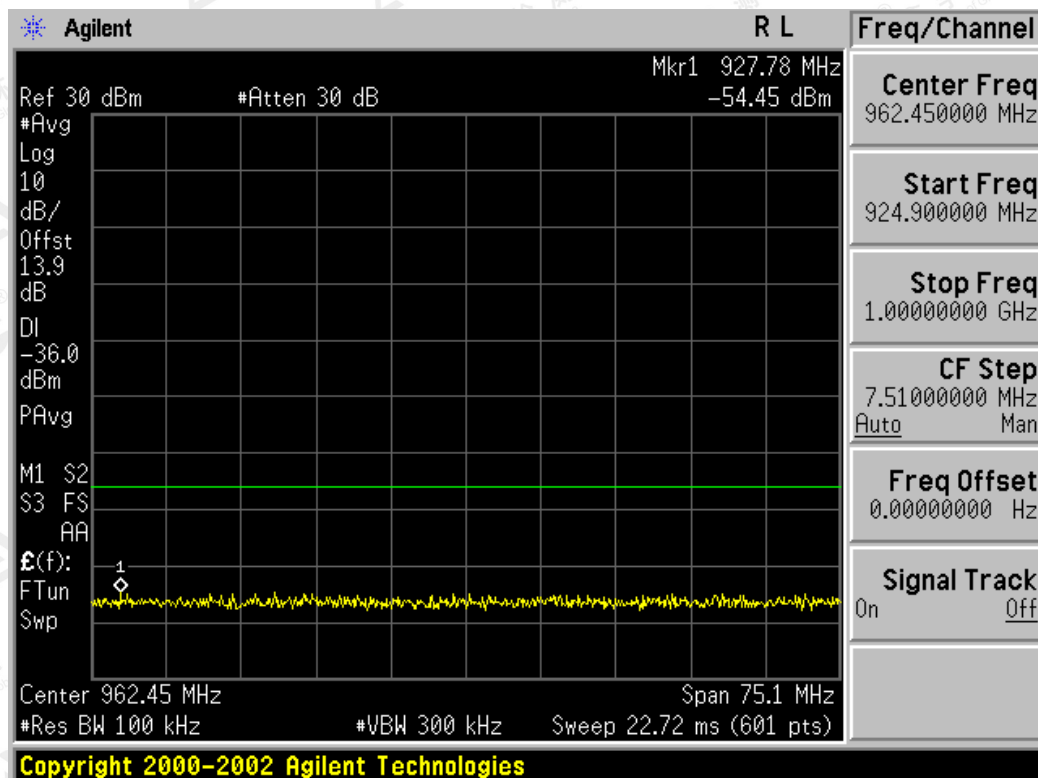
### Channel HCH



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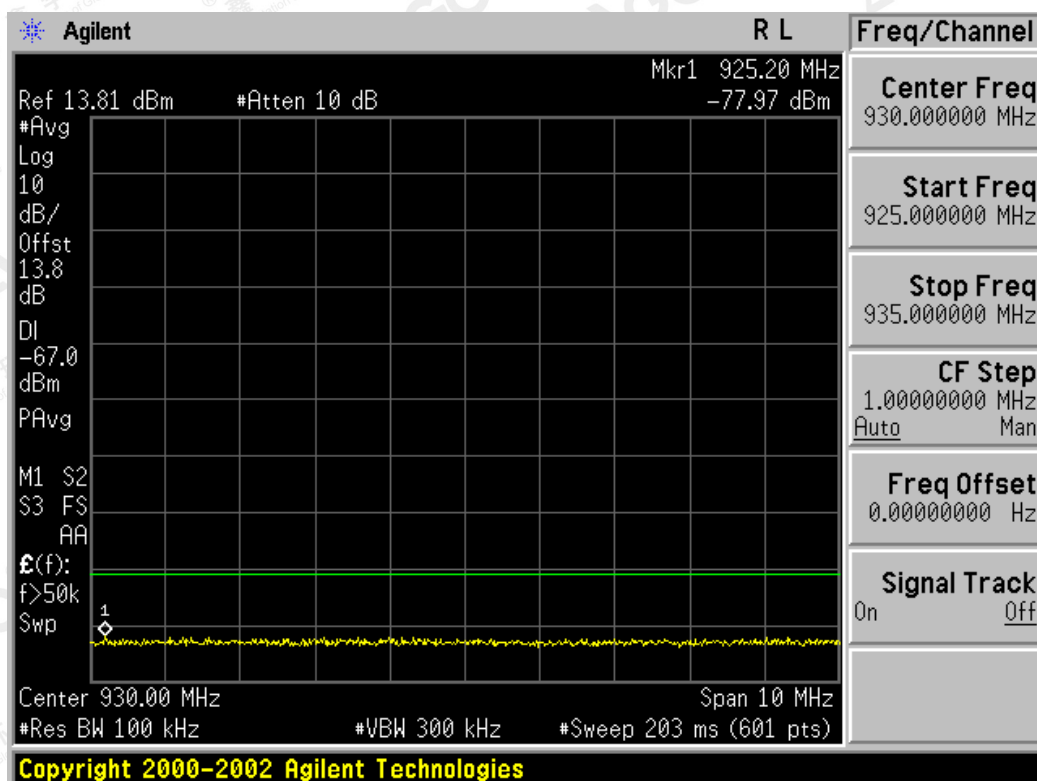
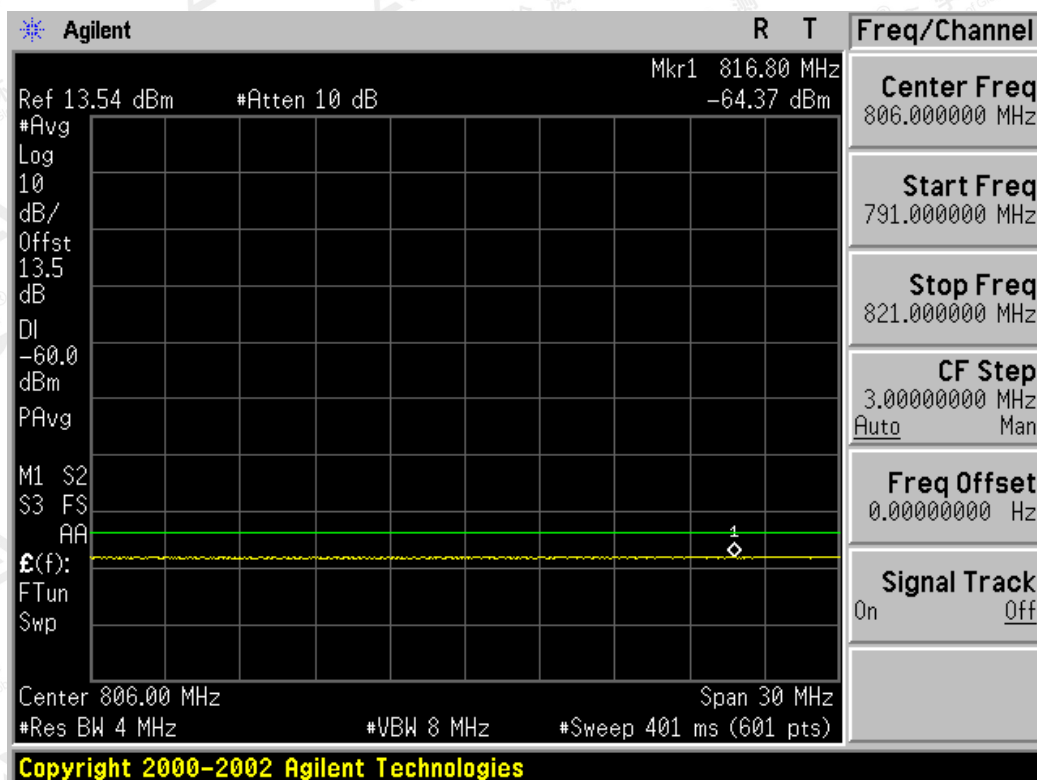


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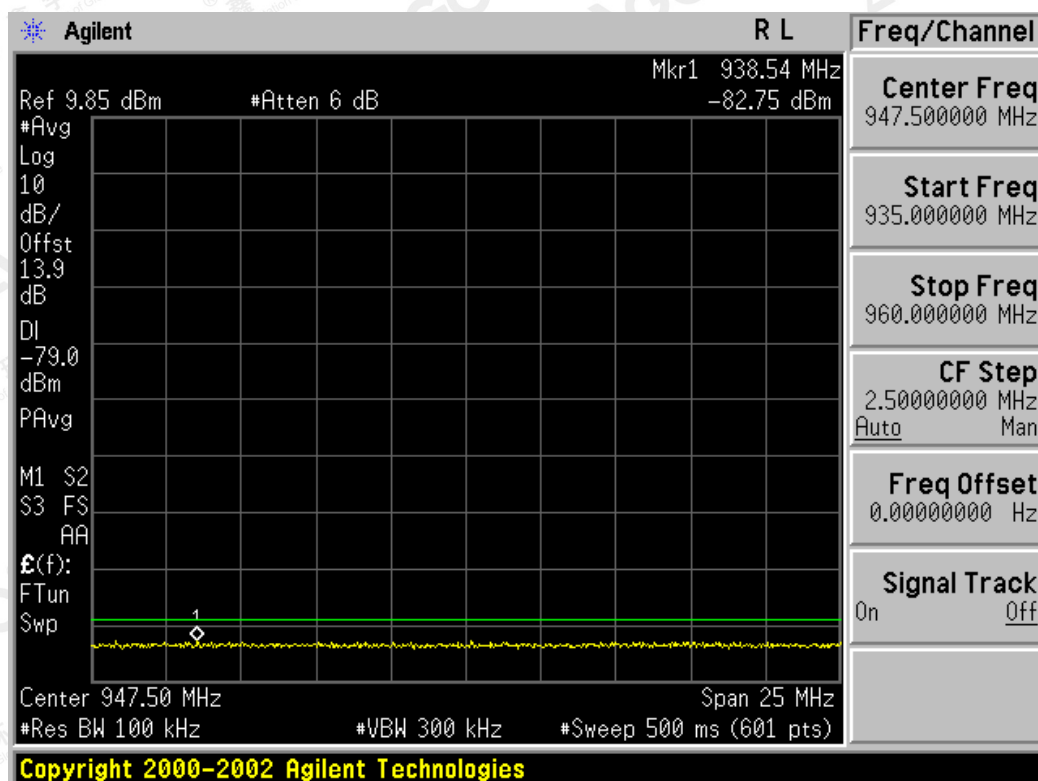
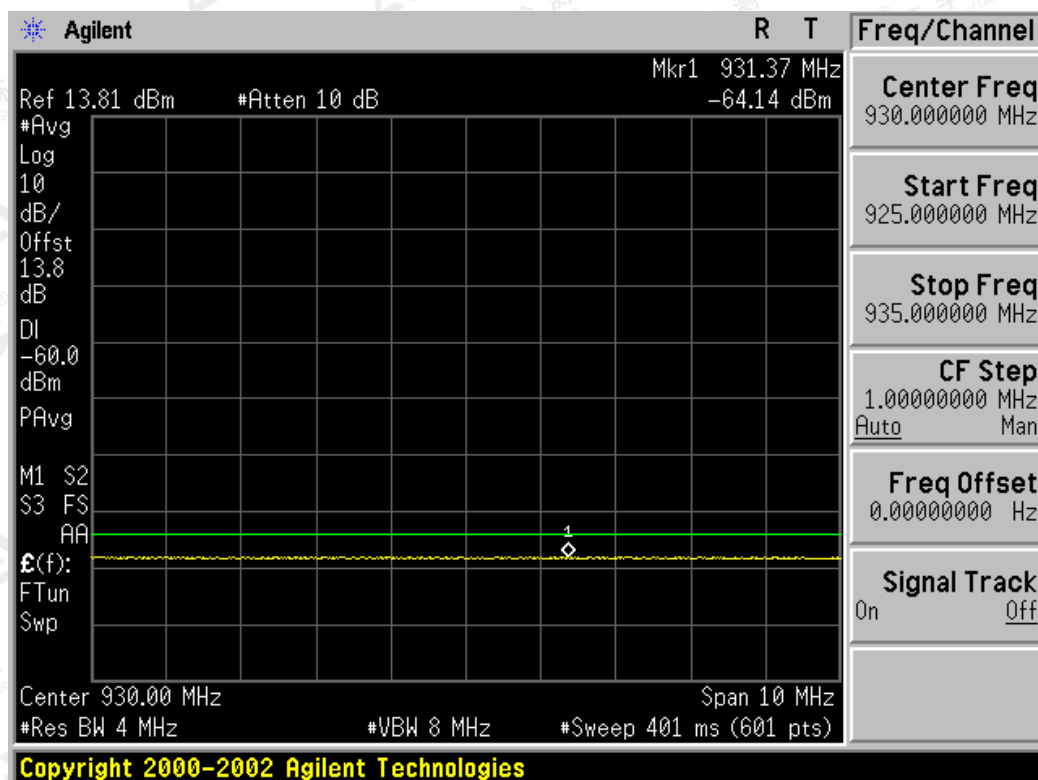


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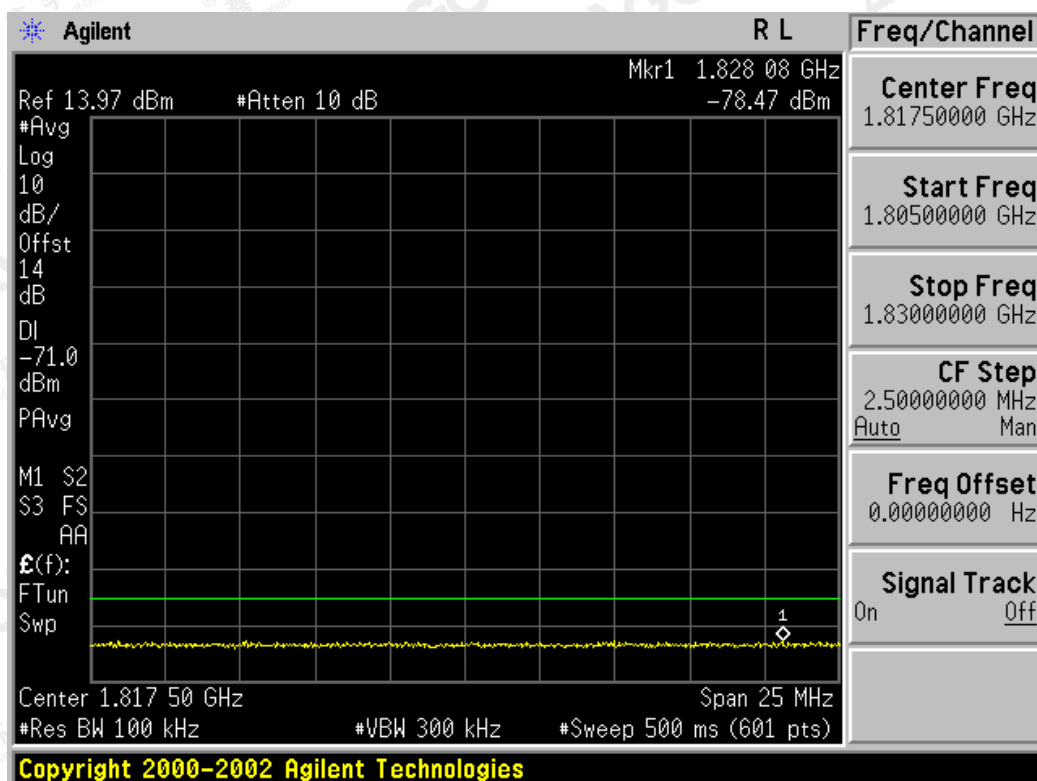
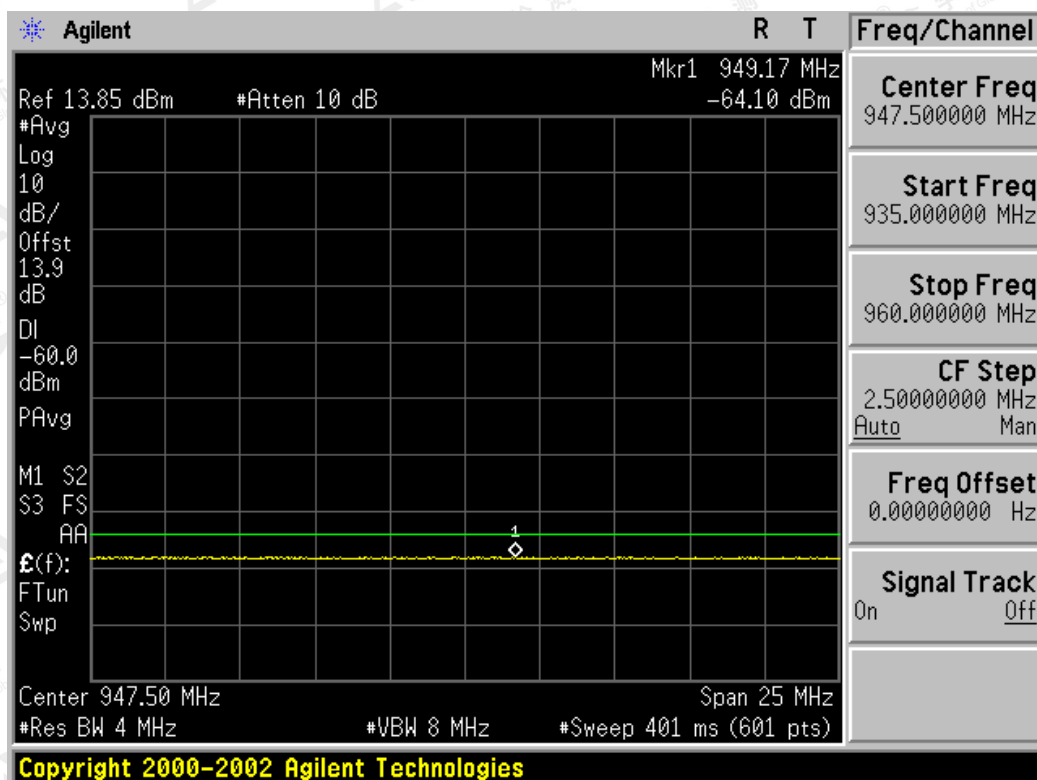




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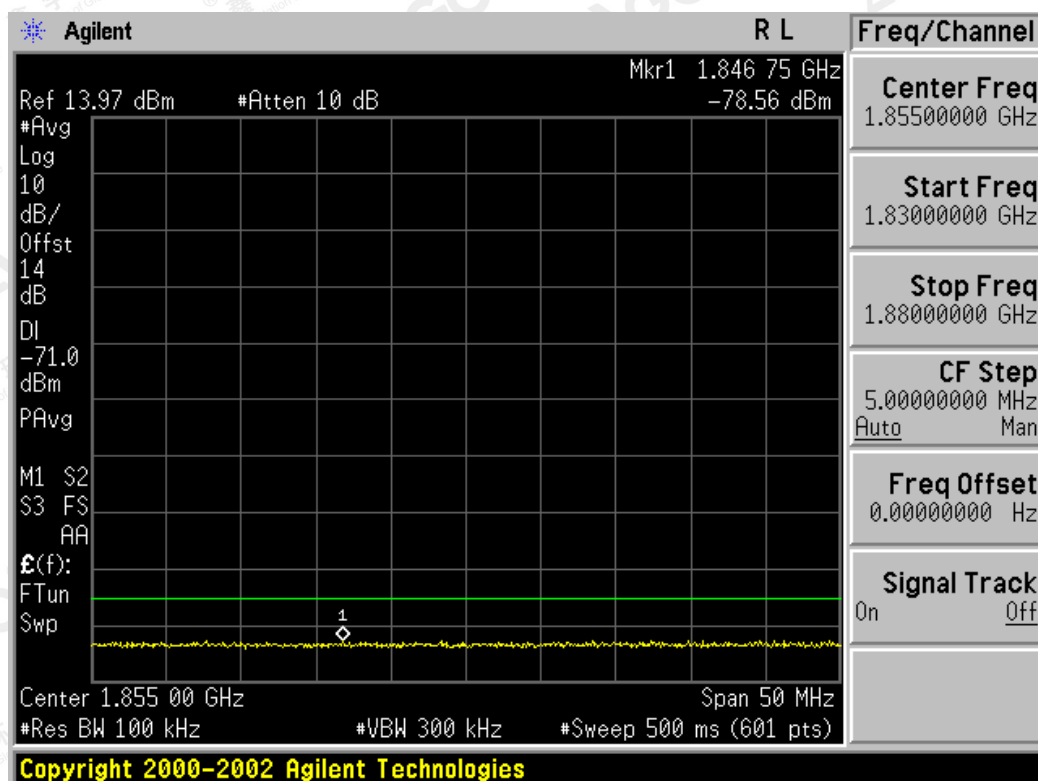
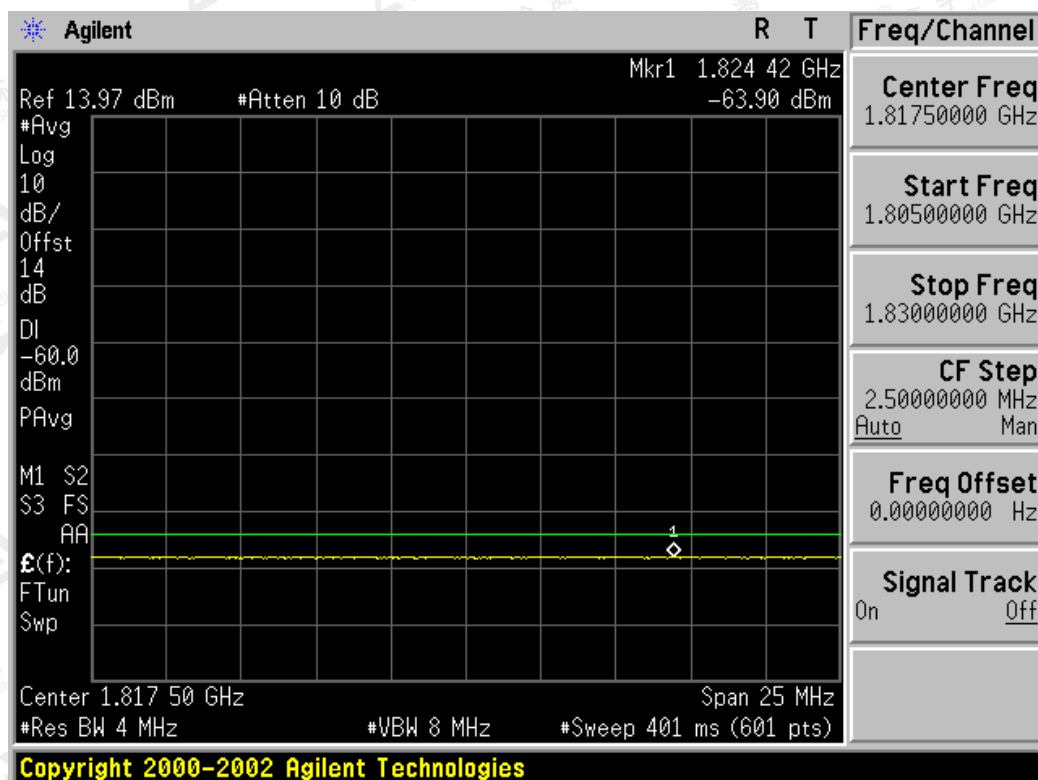


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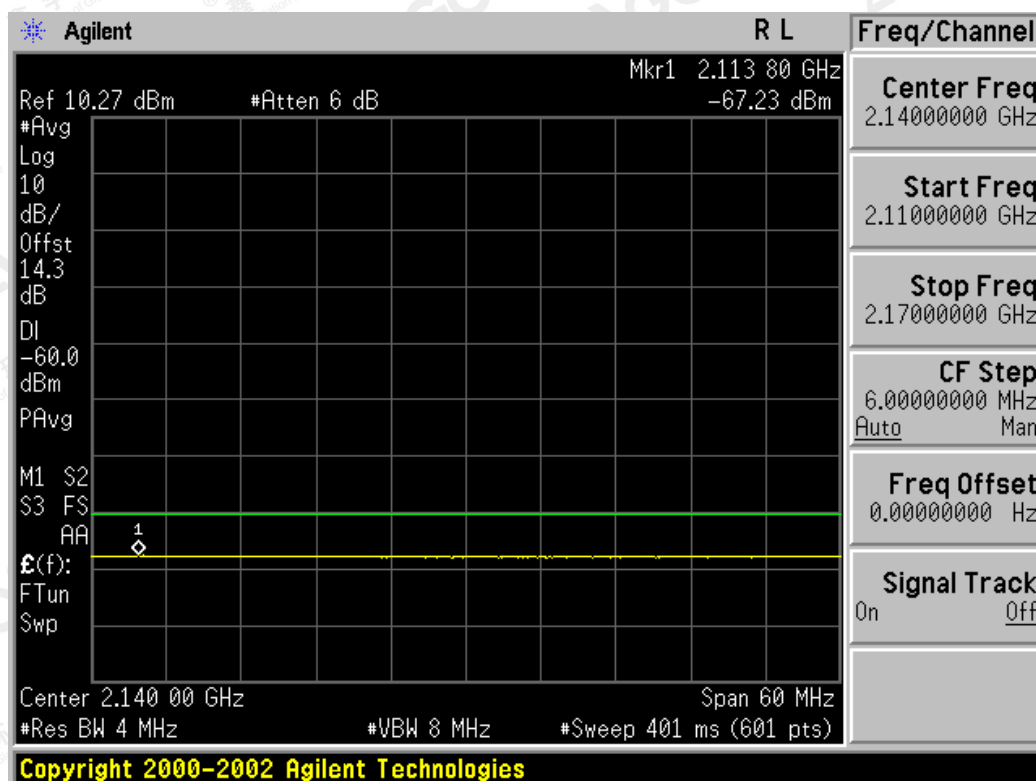
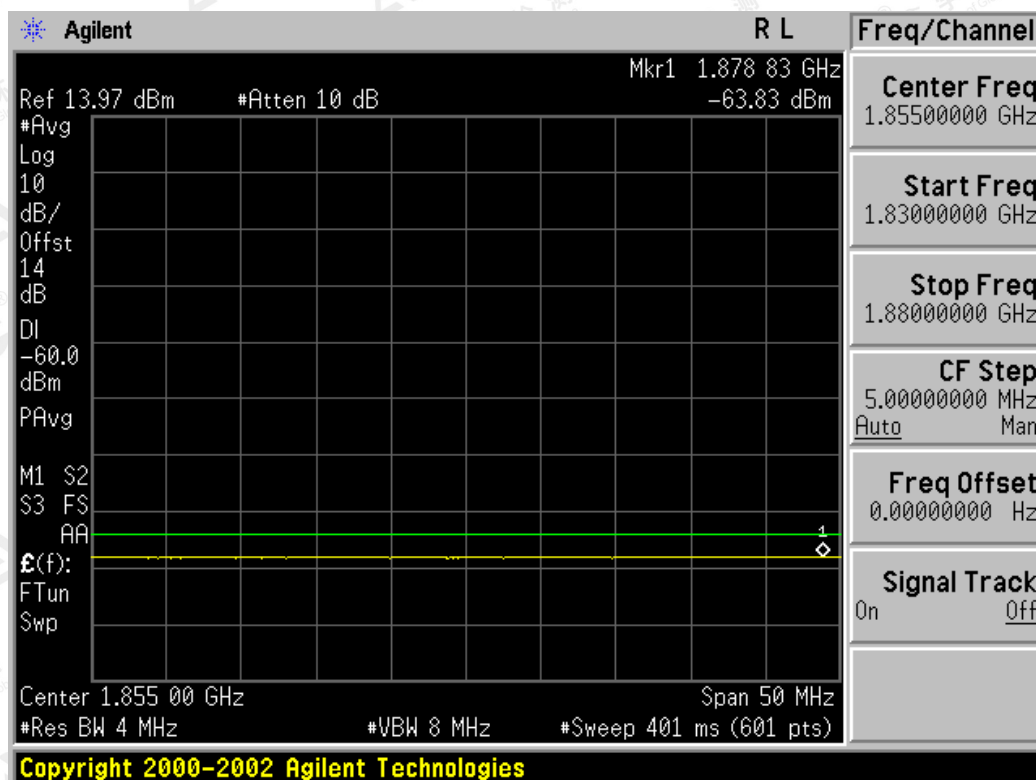


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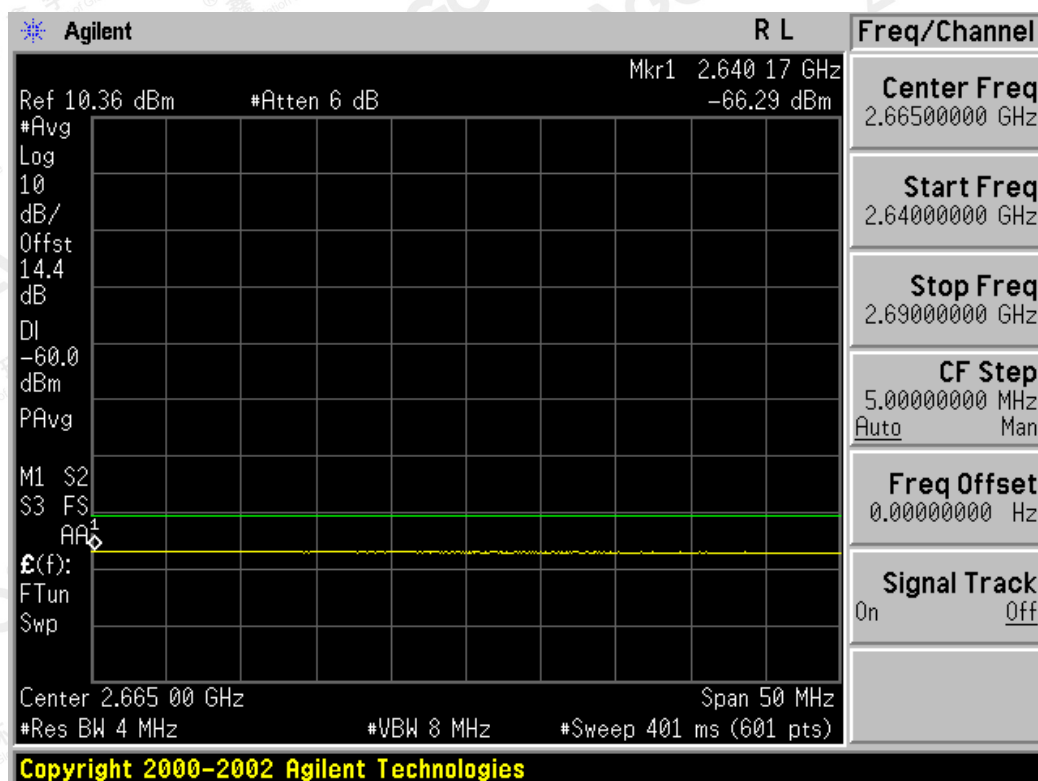
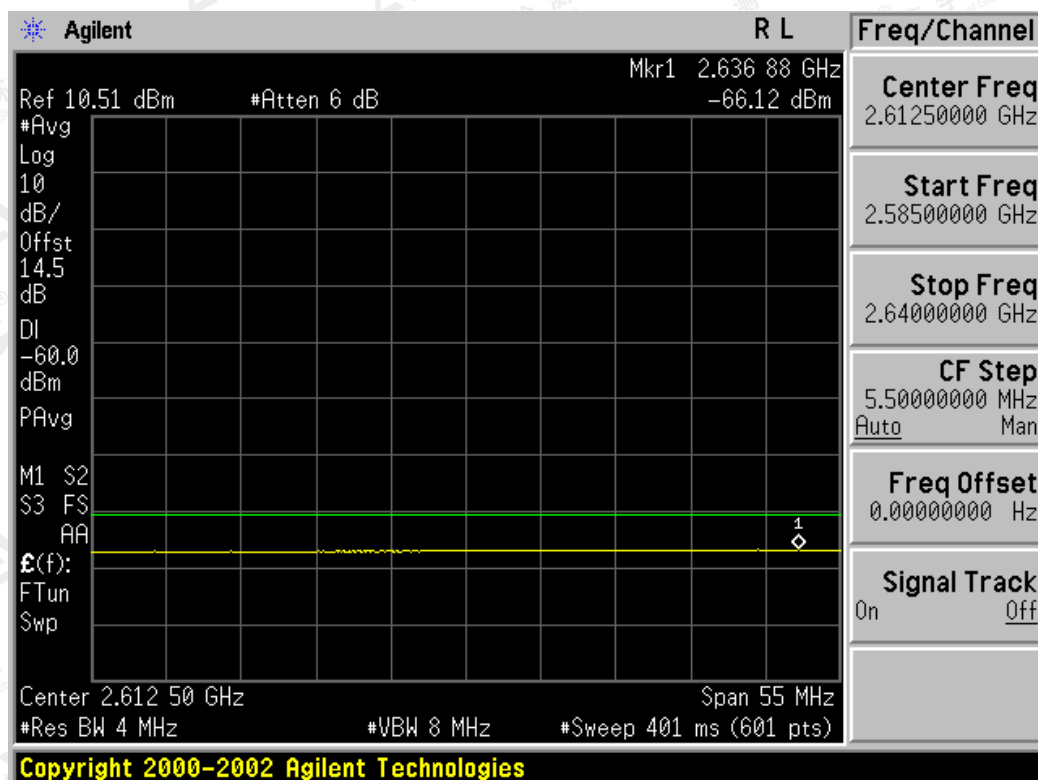




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## Appendix F. Transmitter maximum output power with HS-DPCCH

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	1	23.46	24(+1.7/-3.7)	Pass
			2	22.50	24(+1.7/-3.7)	Pass
			3	22.70	23.5(+2.2/-3.7)	Pass
			4	22.75	23.5(+2.2/-3.7)	Pass
		MCH	1	22.02	24(+1.7/-3.7)	Pass
			2	20.97	24(+1.7/-3.7)	Pass
			3	21.08	23.5(+2.2/-3.7)	Pass
			4	21.00	23.5(+2.2/-3.7)	Pass
		HCH	1	21.99	24(+1.7/-3.7)	Pass
			2	21.14	24(+1.7/-3.7)	Pass
			3	21.15	23.5(+2.2/-3.7)	Pass
			4	21.07	23.5(+2.2/-3.7)	Pass
Band VIII	TNVN	LCH	1	23.71	24(+1.7/-3.7)	Pass
			2	22.88	24(+1.7/-3.7)	Pass
			3	22.87	23.5(+2.2/-3.7)	Pass
			4	22.78	23.5(+2.2/-3.7)	Pass
		MCH	1	23.71	24(+1.7/-3.7)	Pass
			2	22.93	24(+1.7/-3.7)	Pass
			3	22.87	23.5(+2.2/-3.7)	Pass
			4	22.84	23.5(+2.2/-3.7)	Pass
		HCH	1	23.60	24(+1.7/-3.7)	Pass
			2	22.93	24(+1.7/-3.7)	Pass
			3	22.93	23.5(+2.2/-3.7)	Pass
			4	22.91	23.5(+2.2/-3.7)	Pass

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**Appendix G. Transmitter spectrum emission mask with HS-DPCCH**

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS

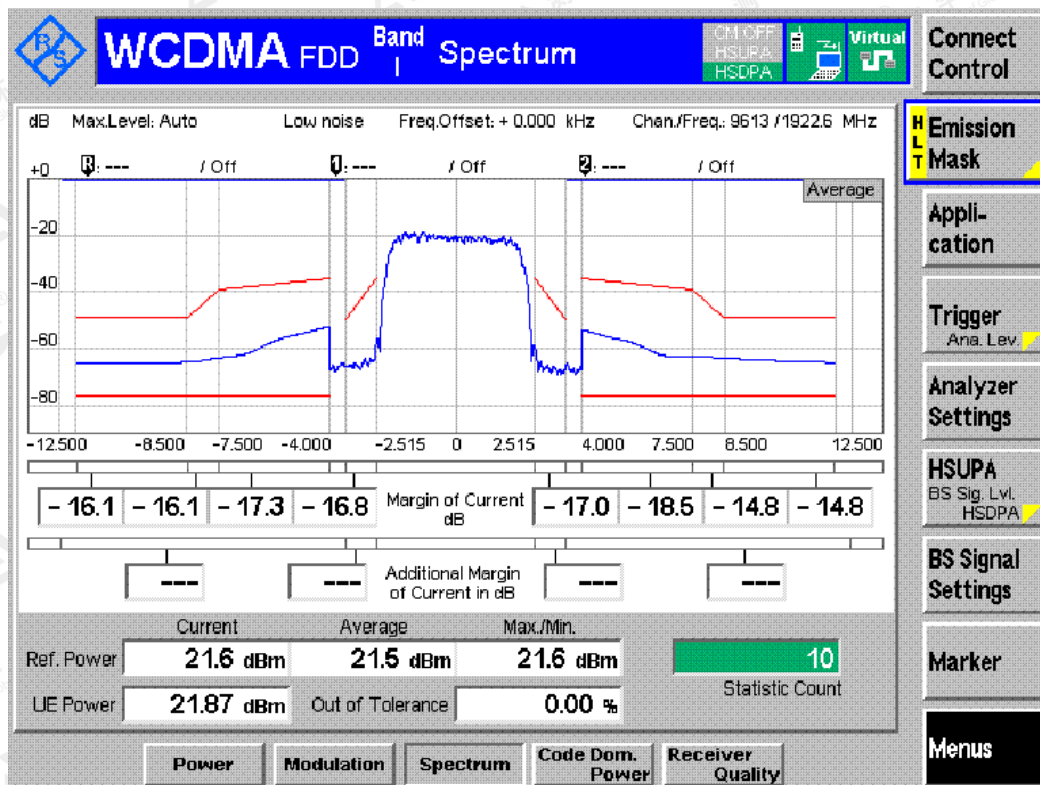
# **BAND I**

**Channel LCH**

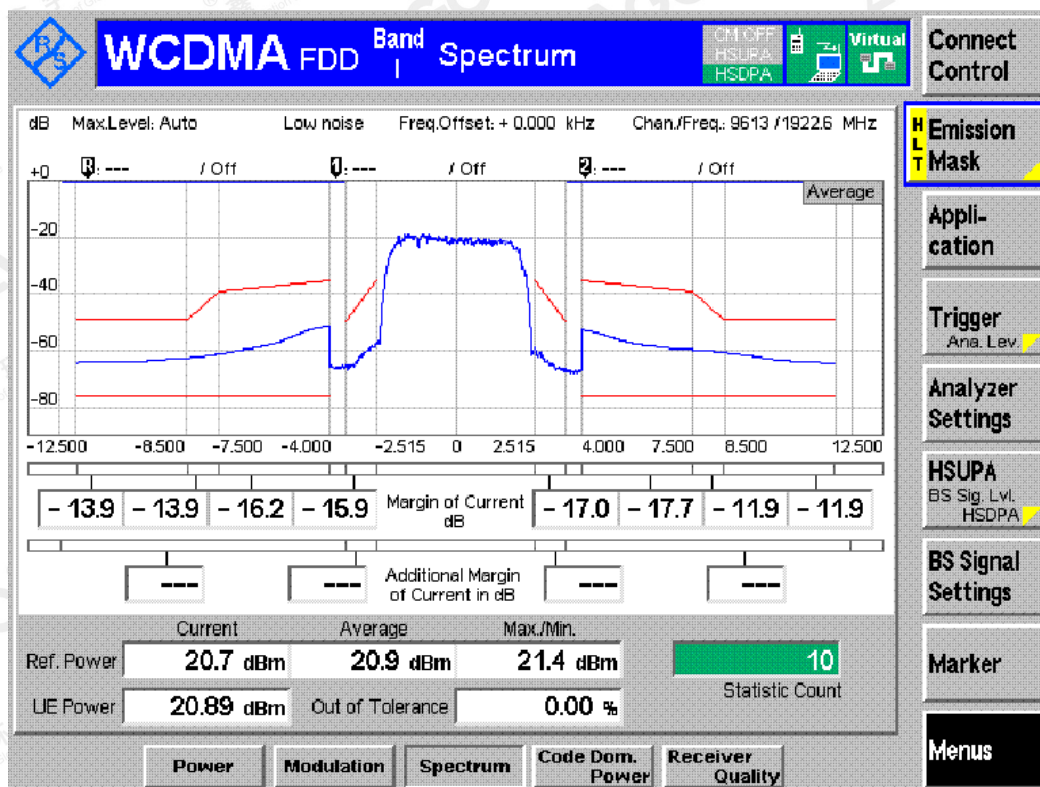
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Sub-test 1



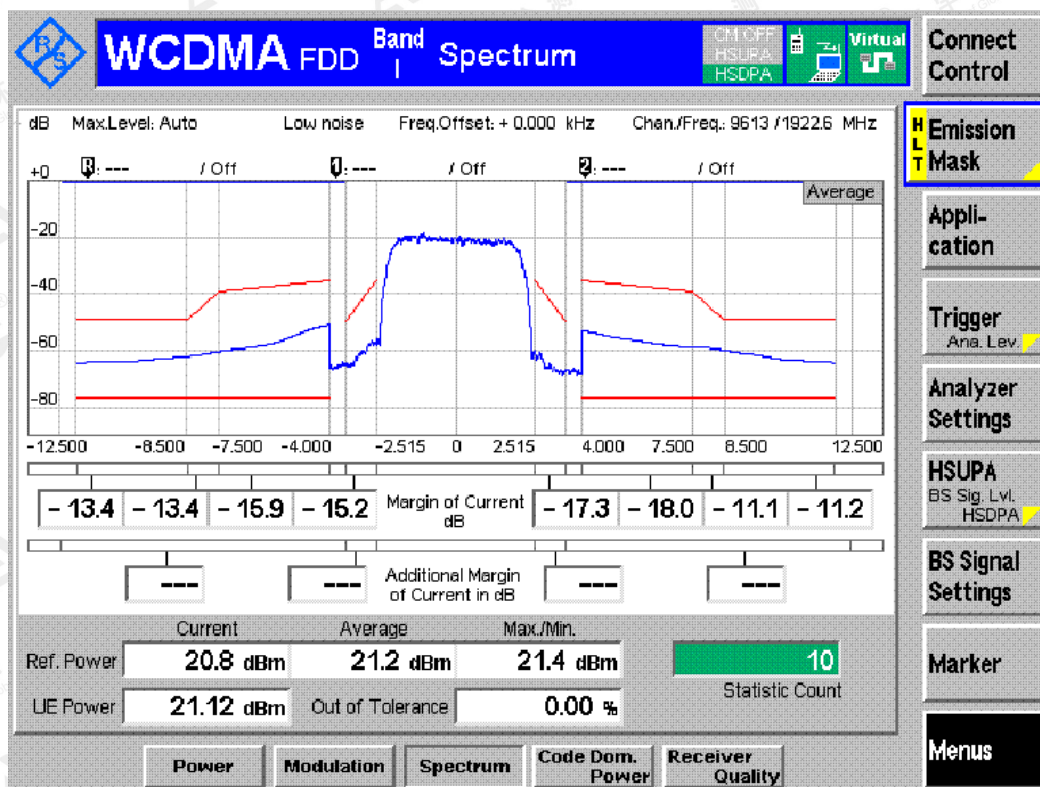
Sub-test 2



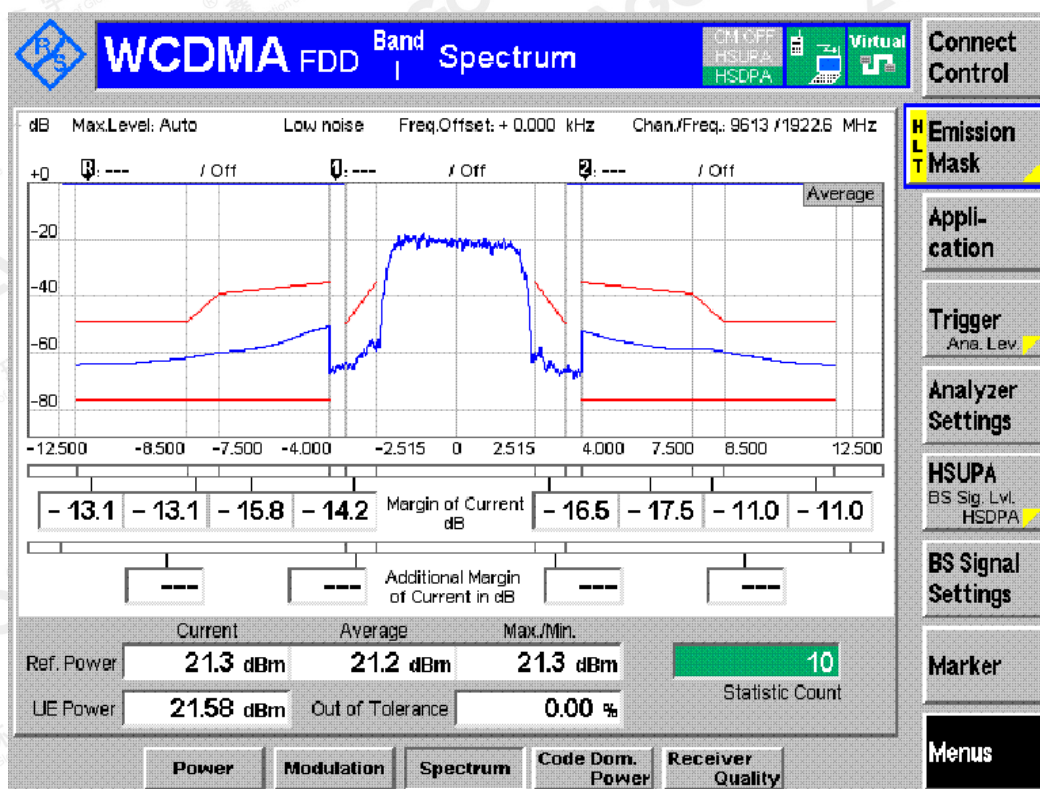
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Sub-test 3



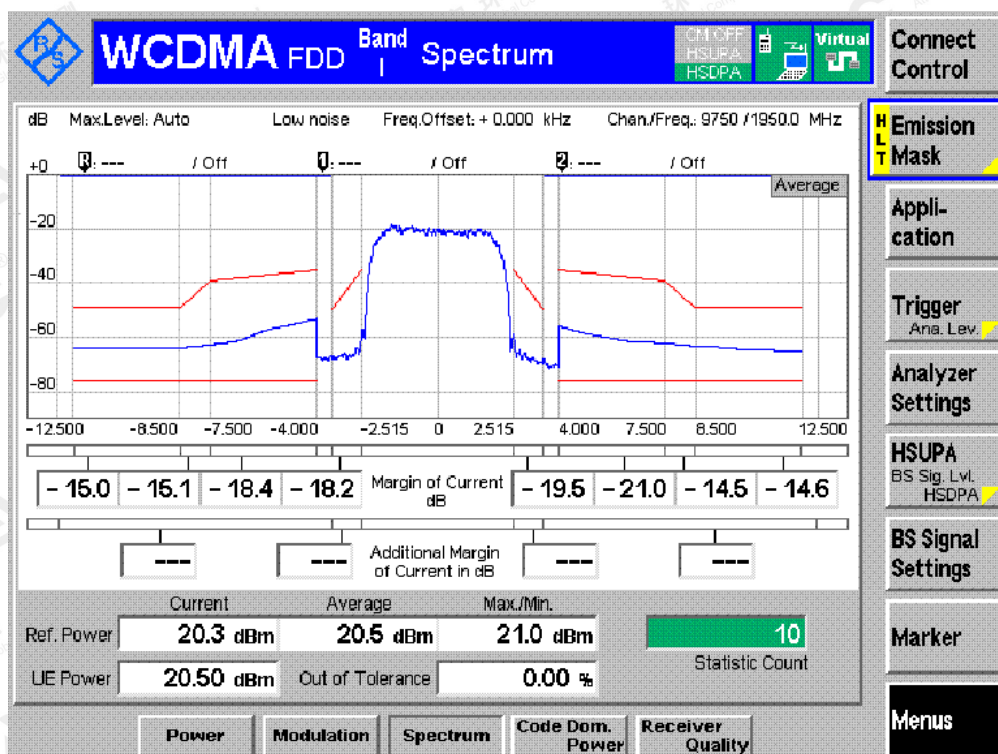
Sub-test 4



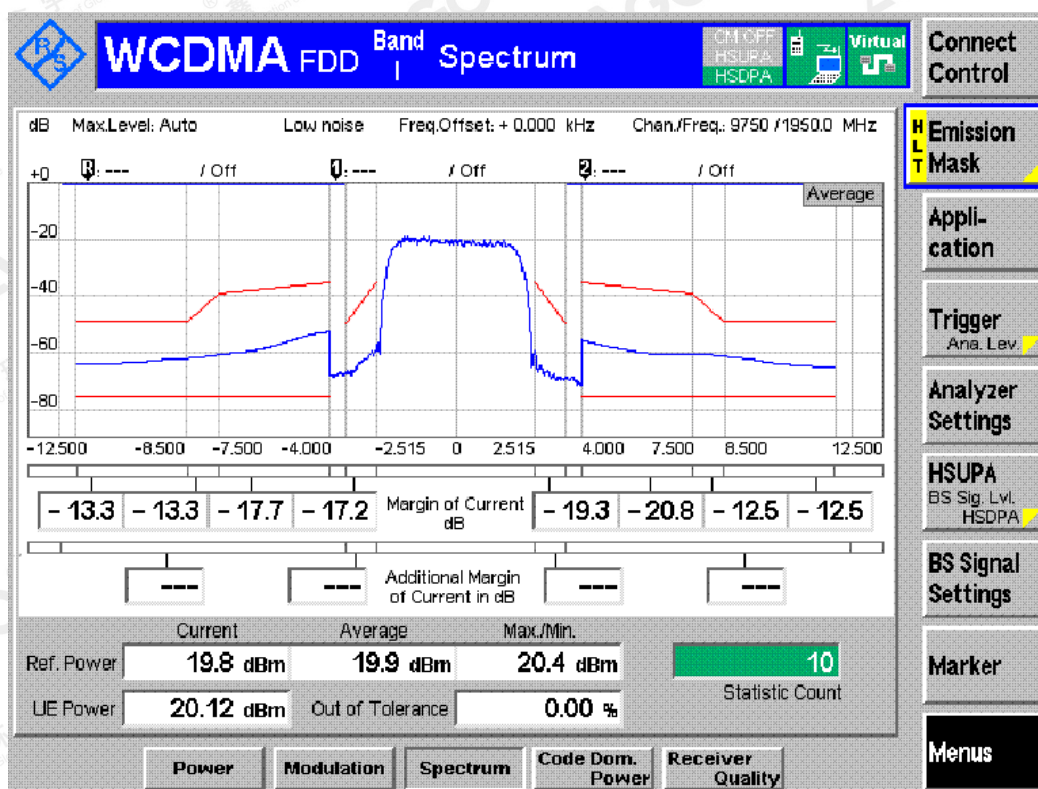
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## Channel MCH

### Sub-test 1



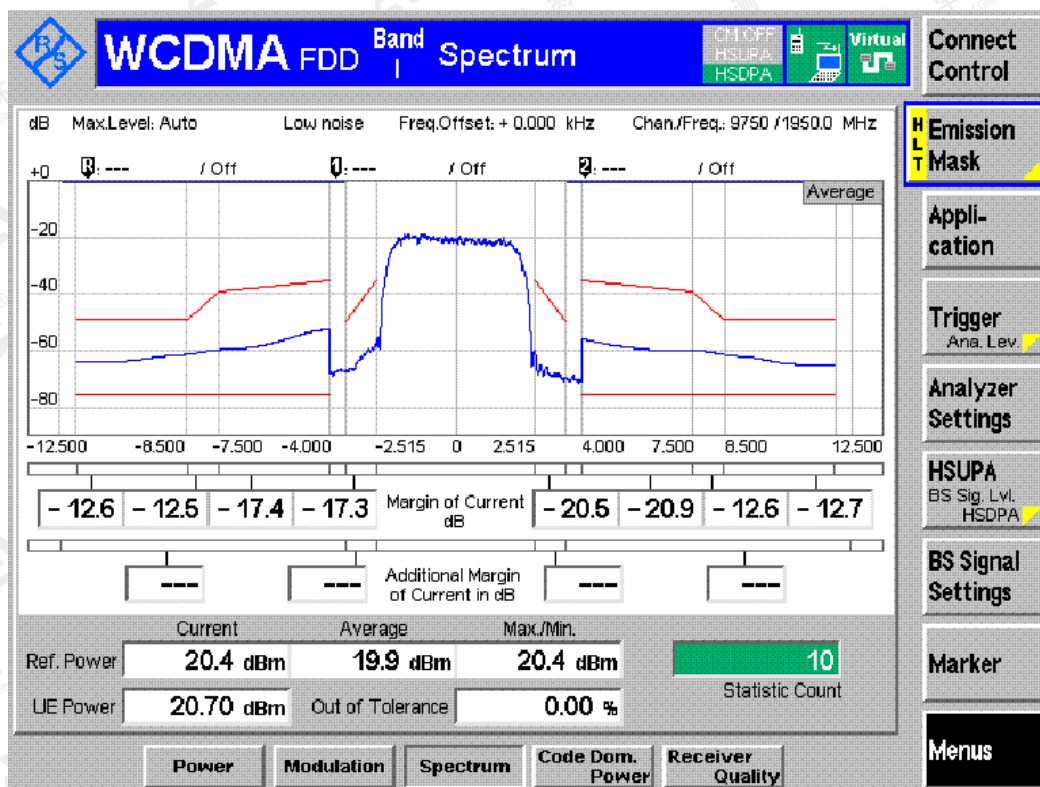
### Sub-test 2



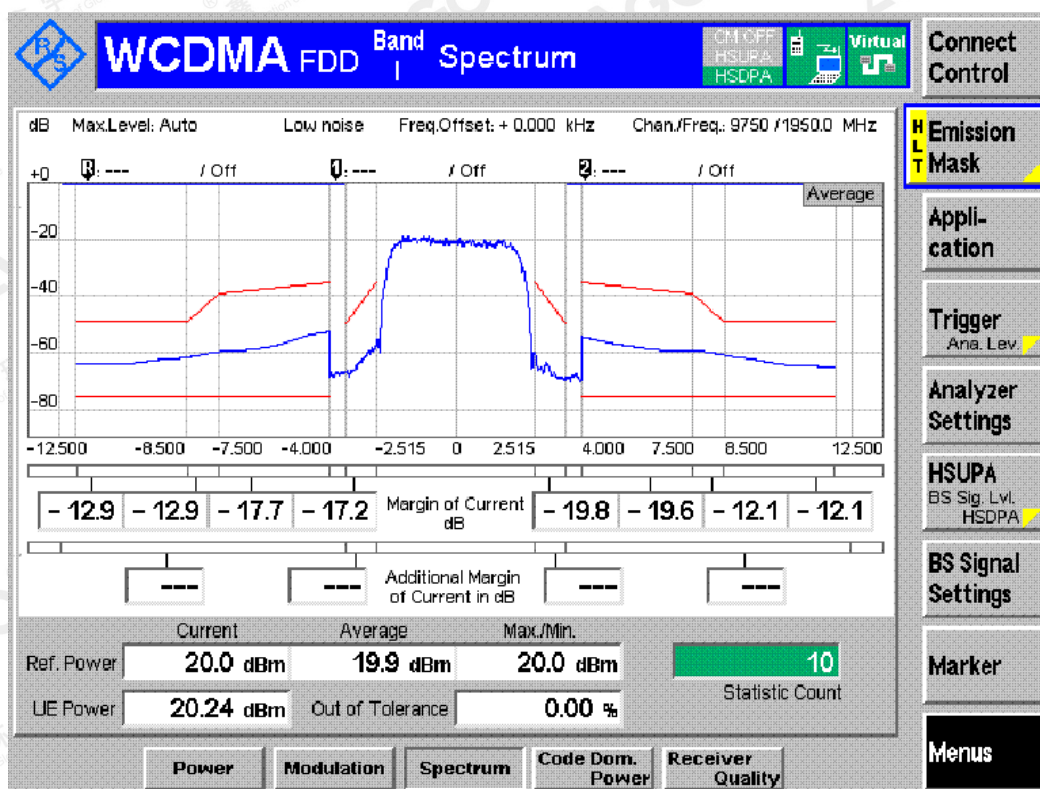
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Sub-test 3



Sub-test 4

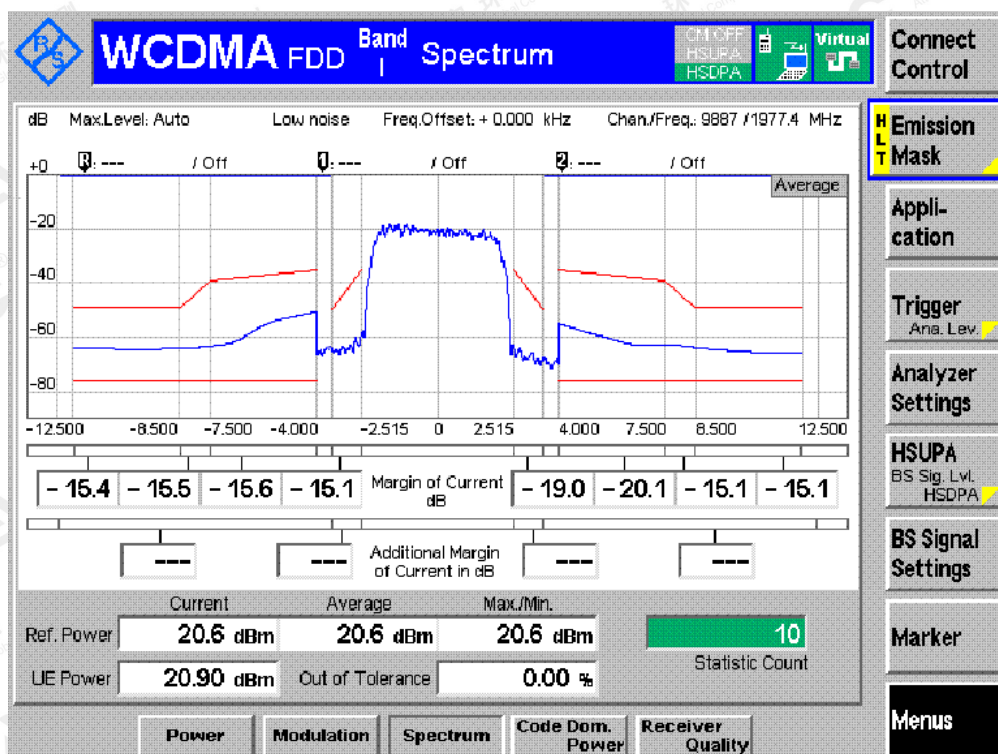


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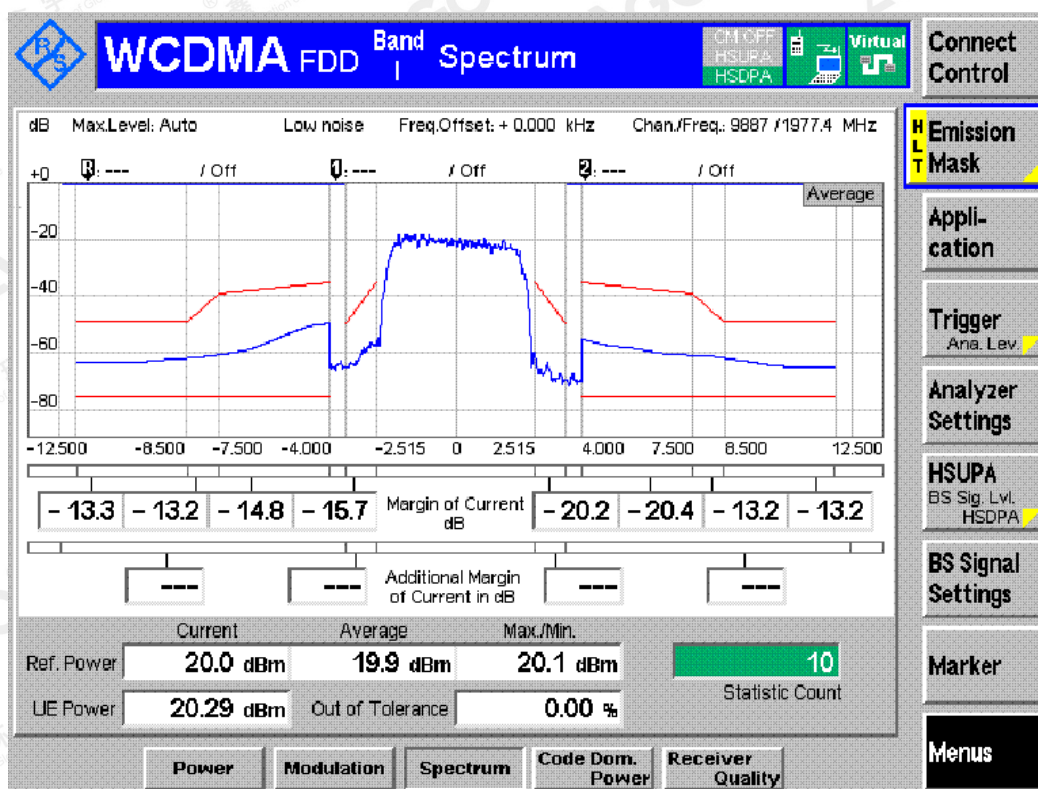


## Channel HCH

### Sub-test 1

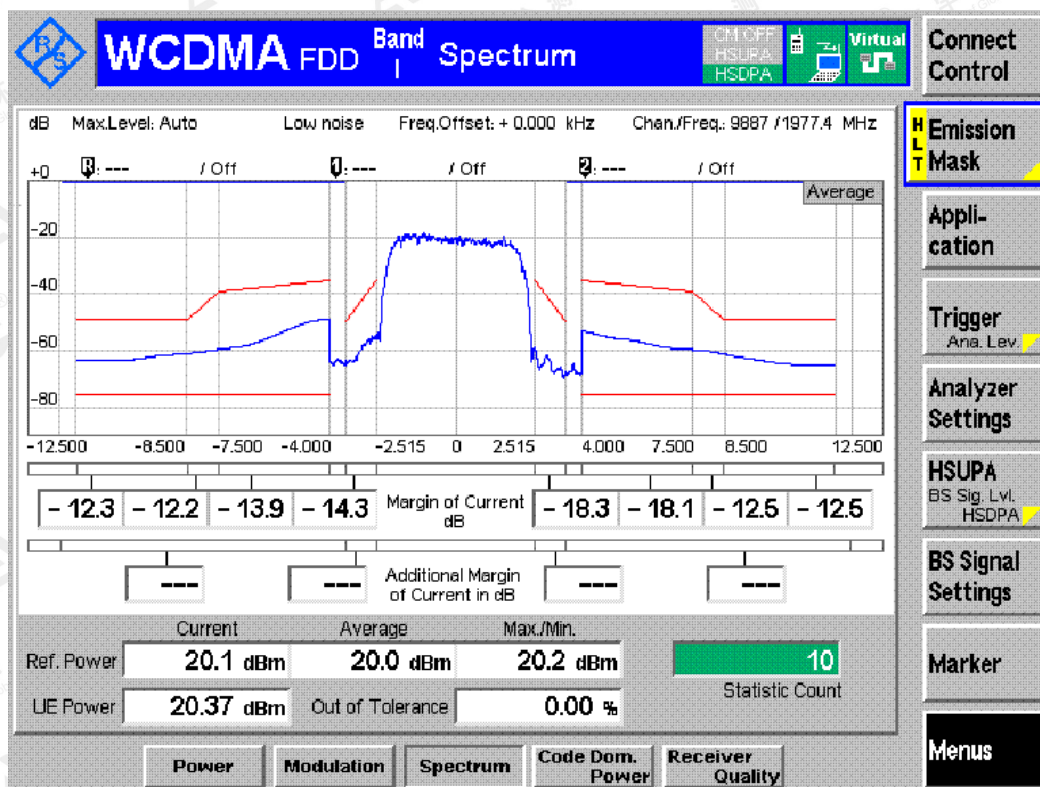


### Sub-test 2

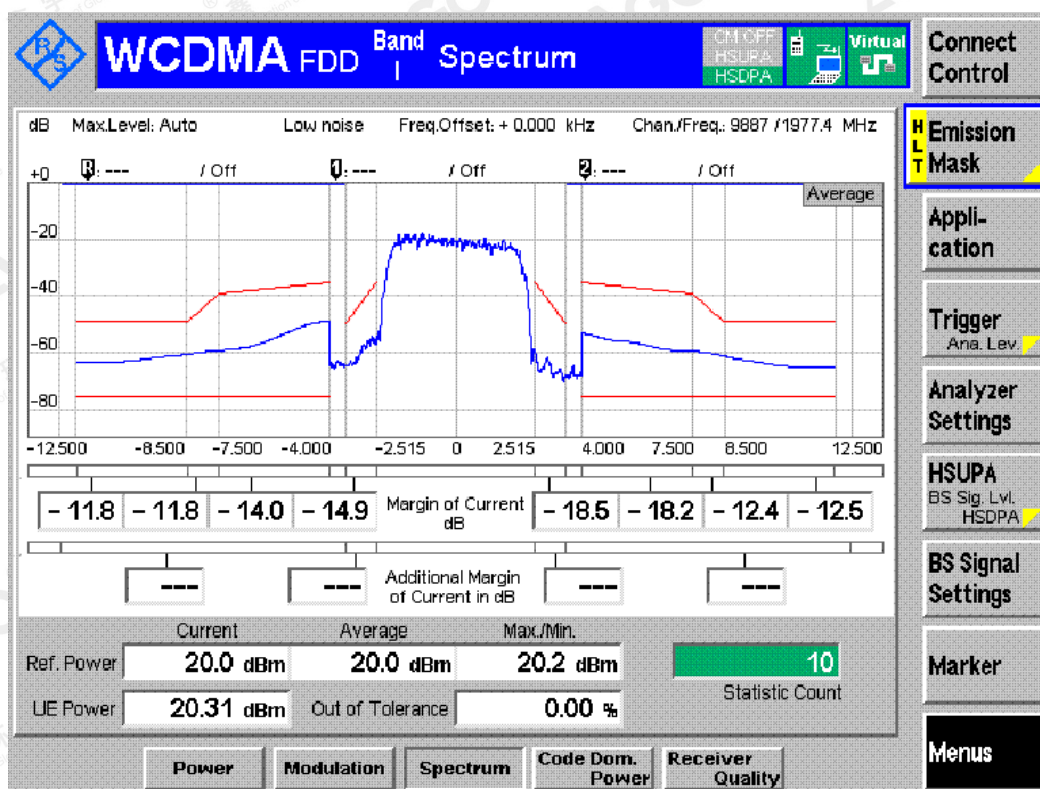


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Sub-test 3



Sub-test 4



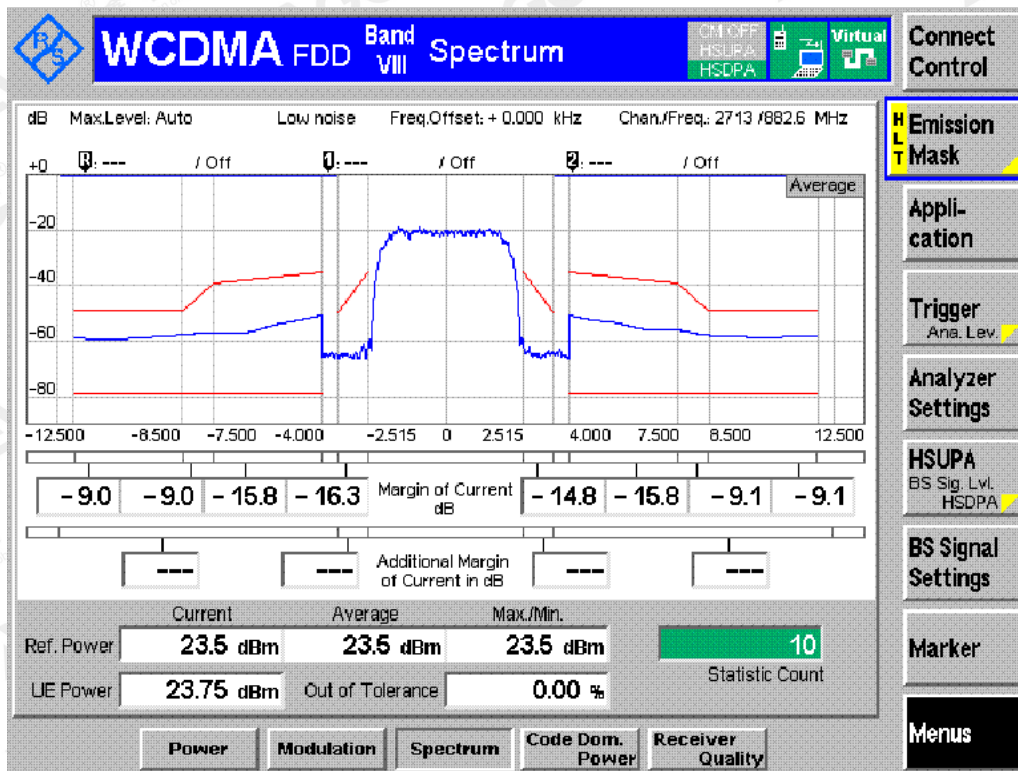
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# BAND VIII

Channel LCH

Sub-test 1



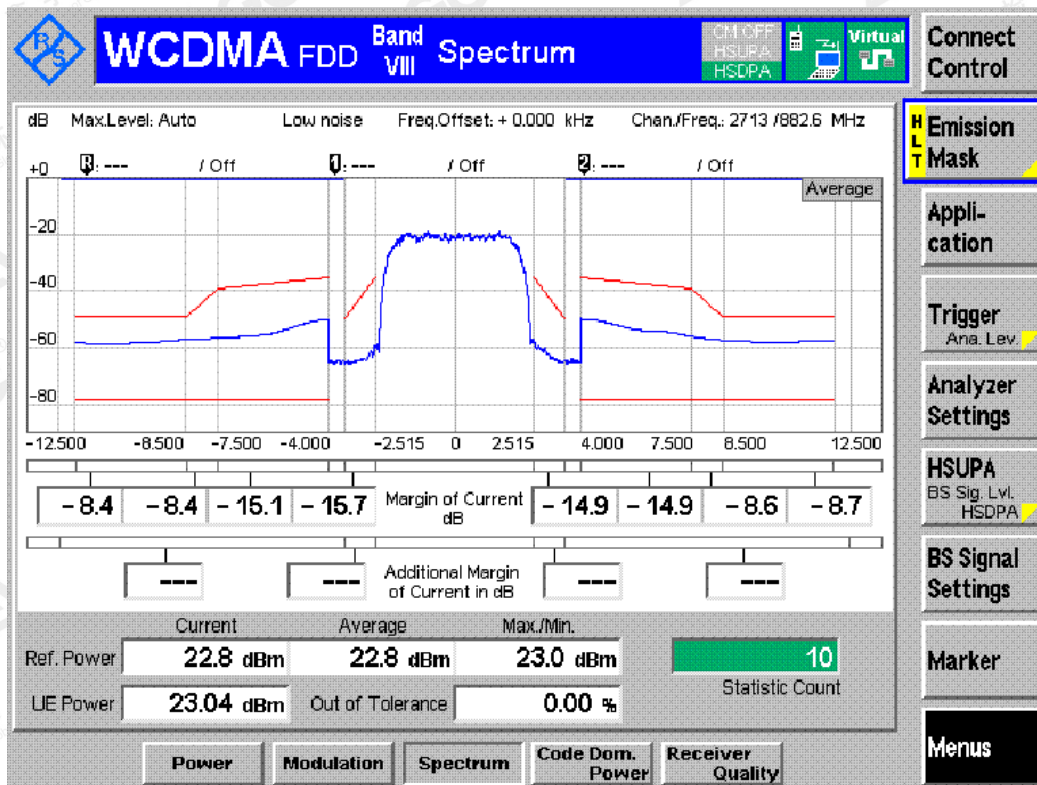
Sub-test 2

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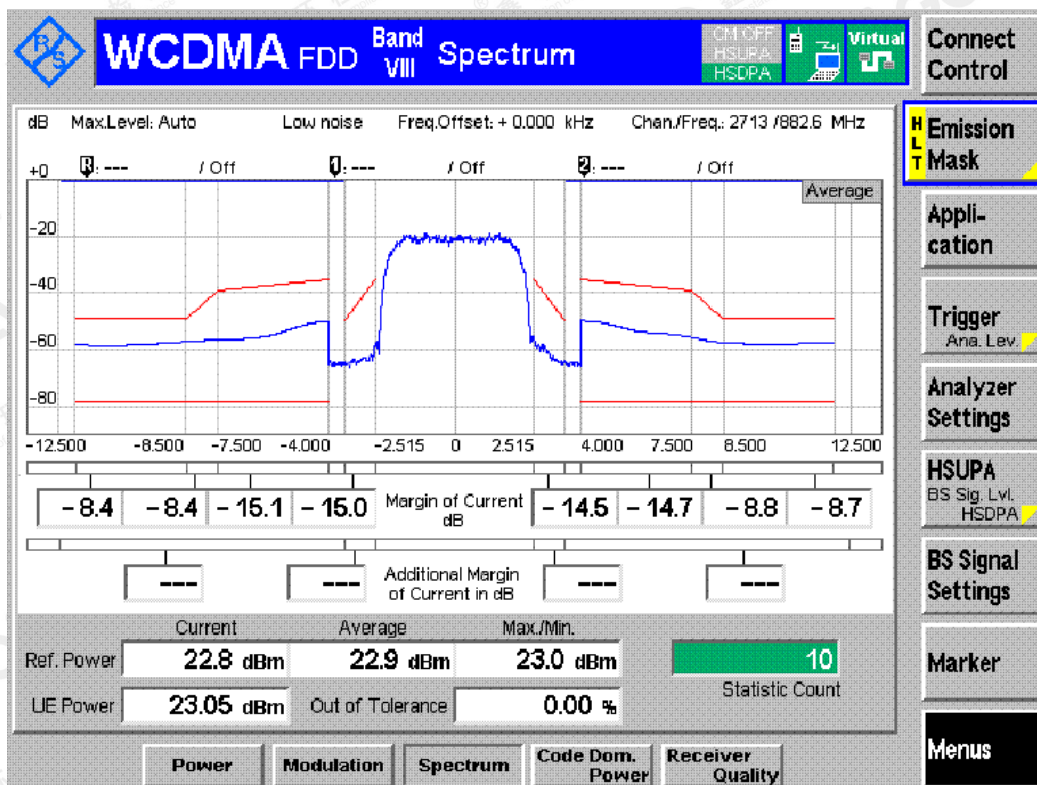
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Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



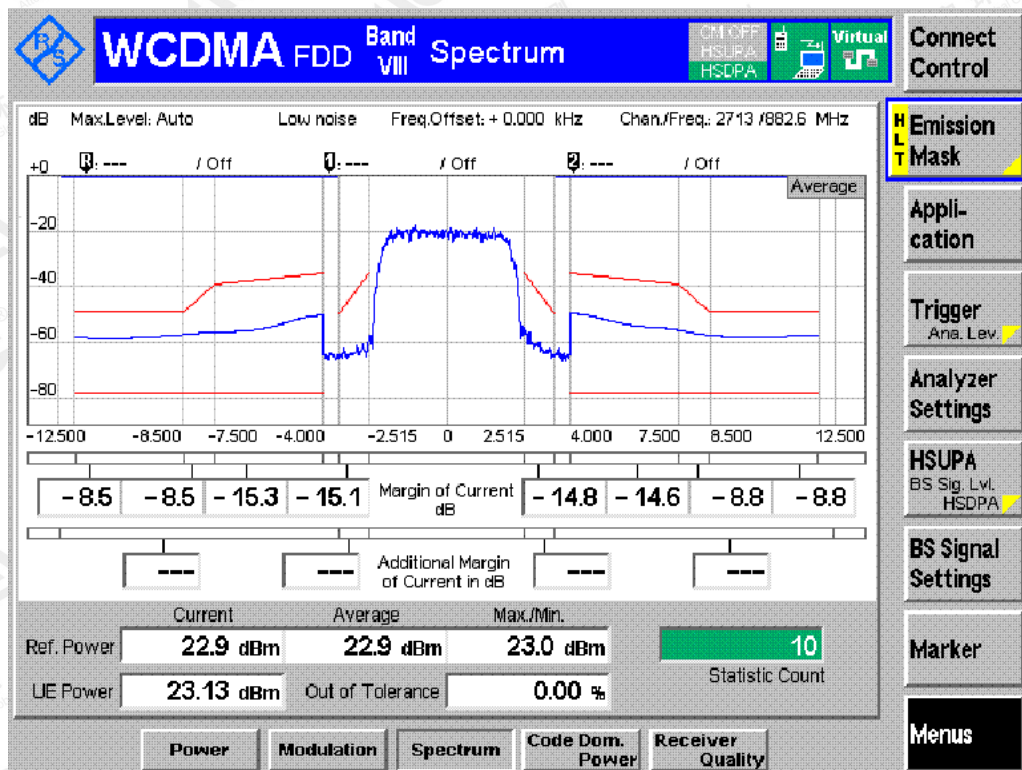


Sub-test 3



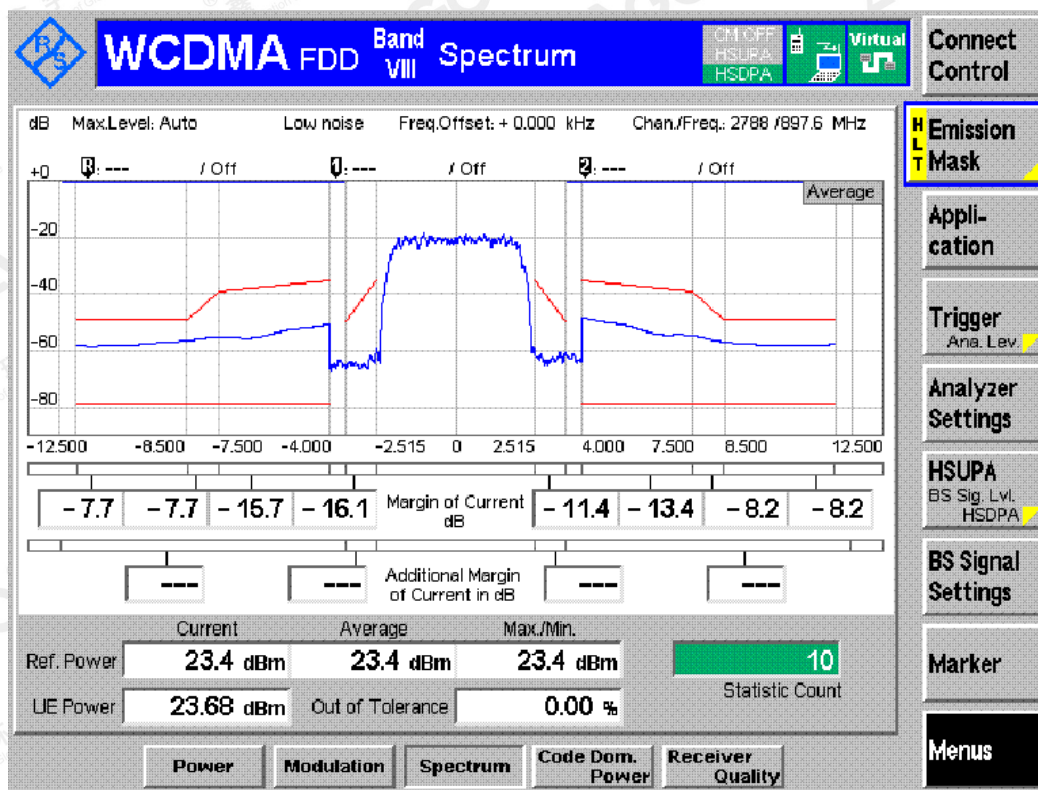
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Sub-test 4



Channel MCH

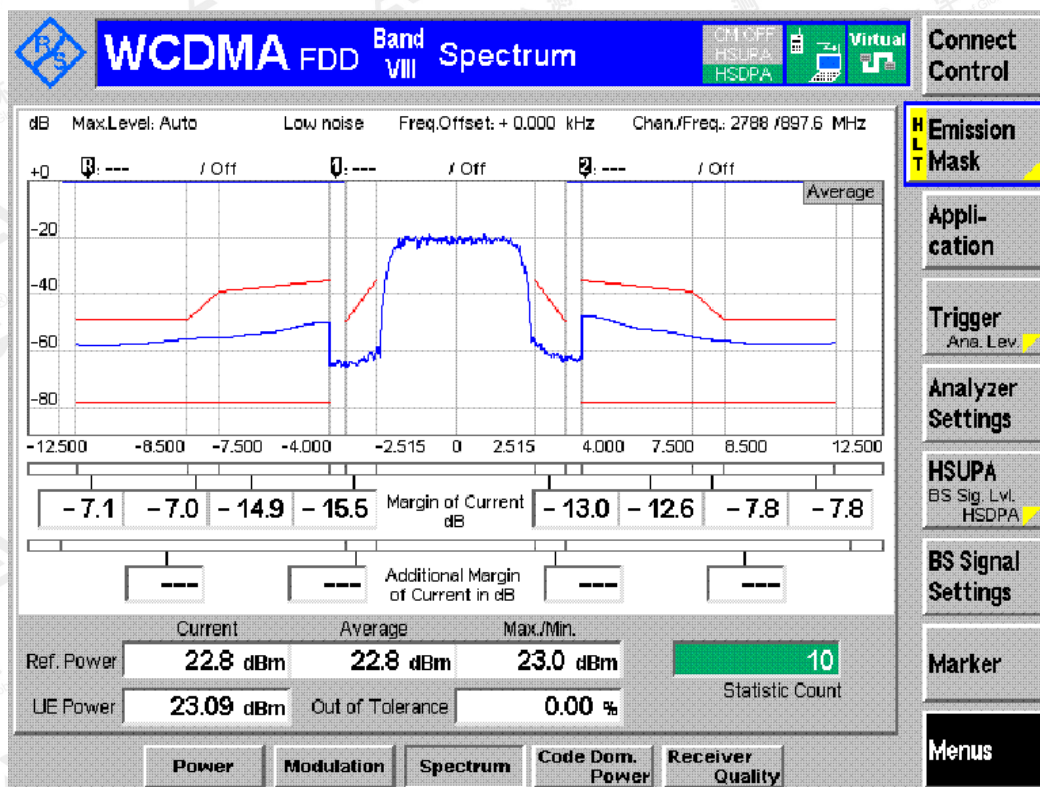
Sub-test 1



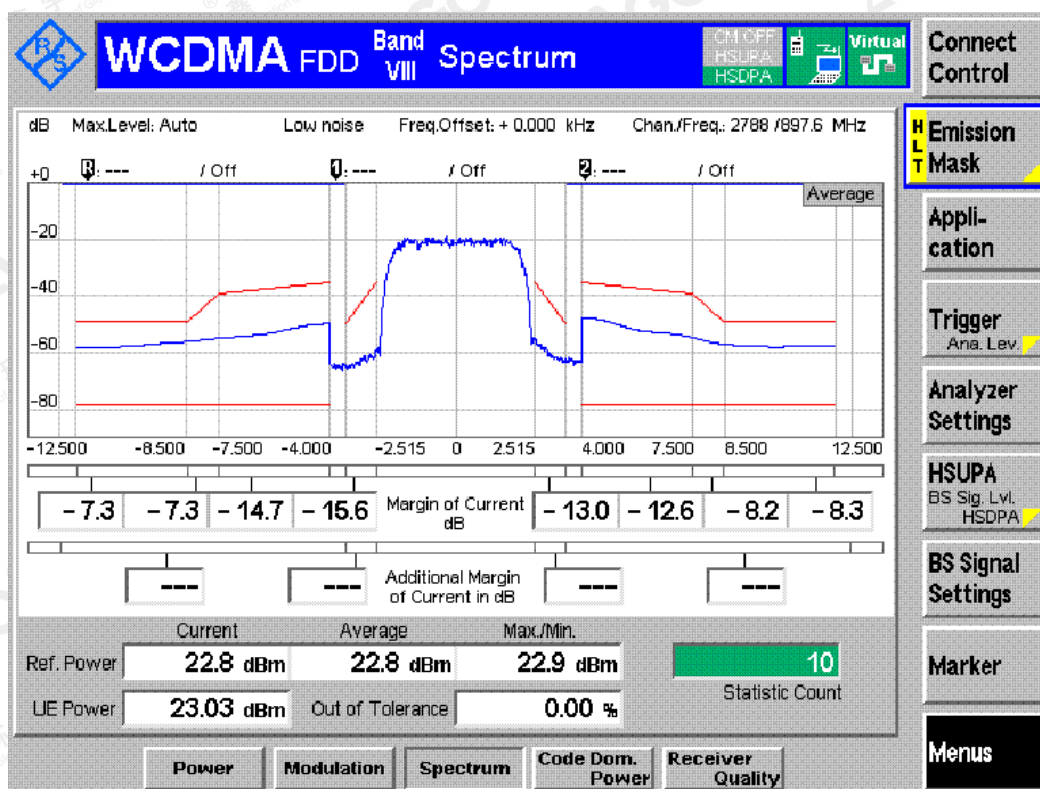
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Sub-test 2



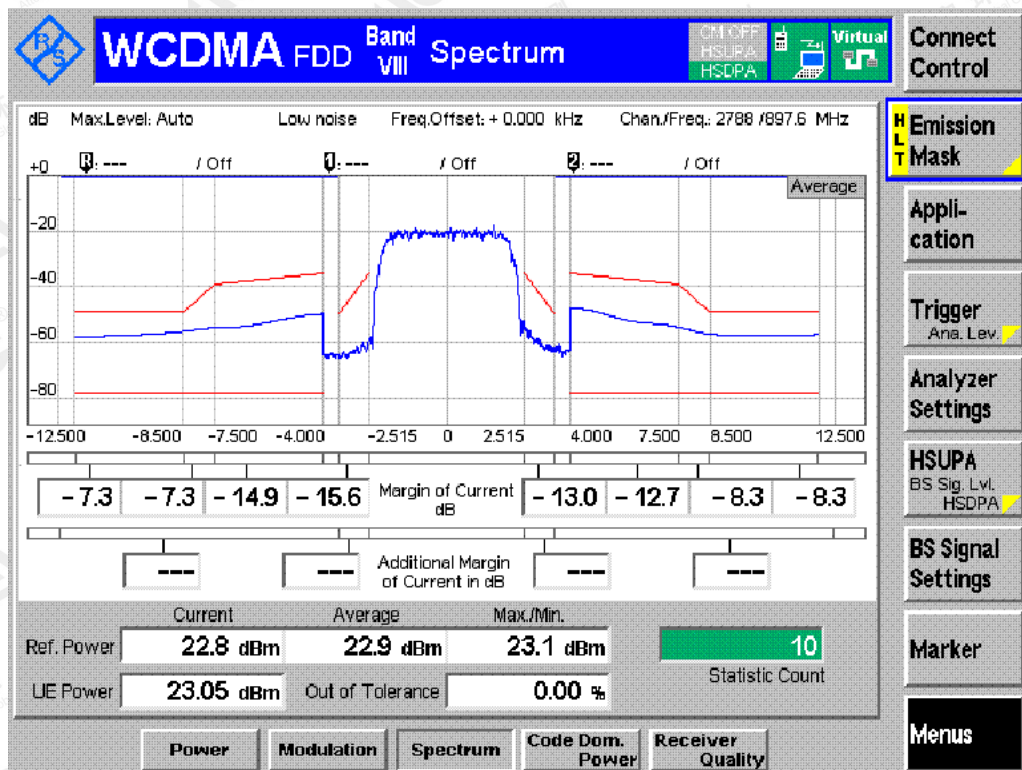
Sub-test 3



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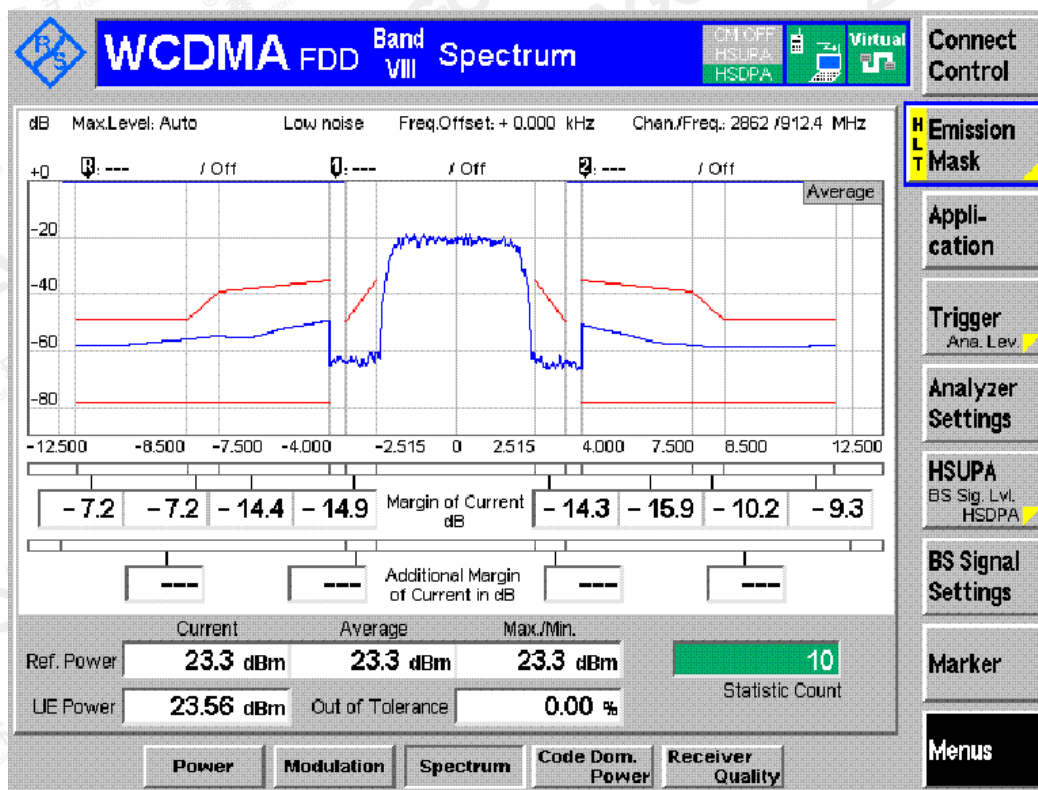


Sub-test 4



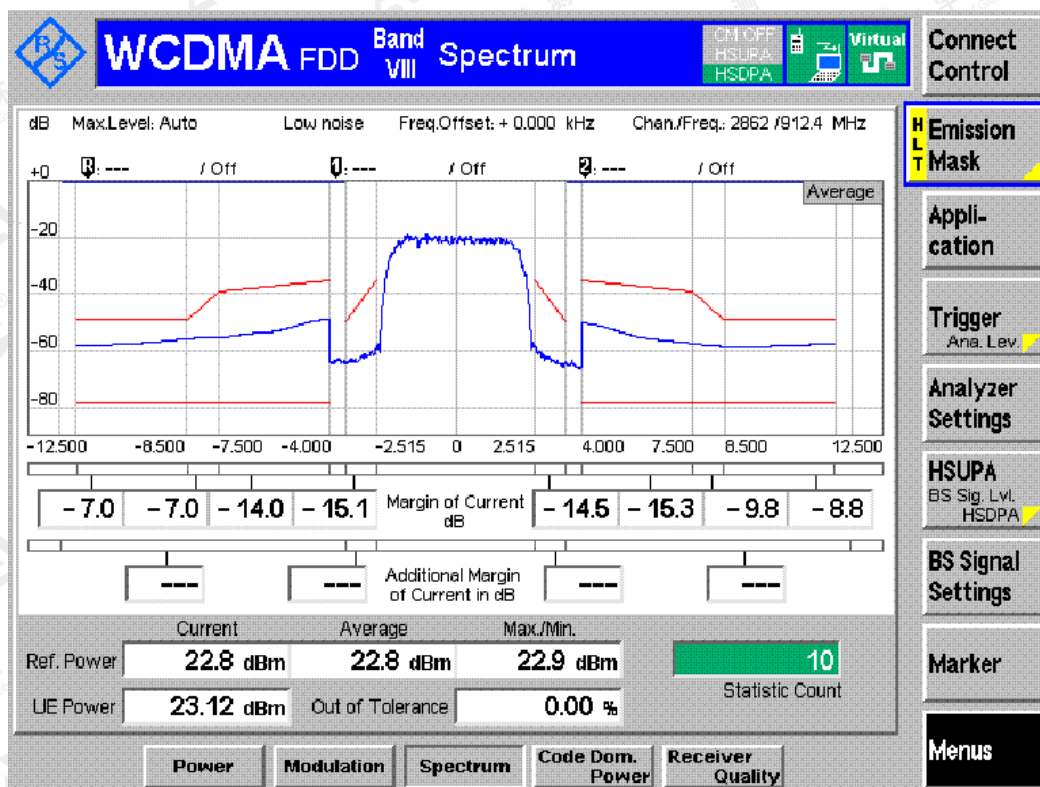
Channel HCH

Sub-test 1

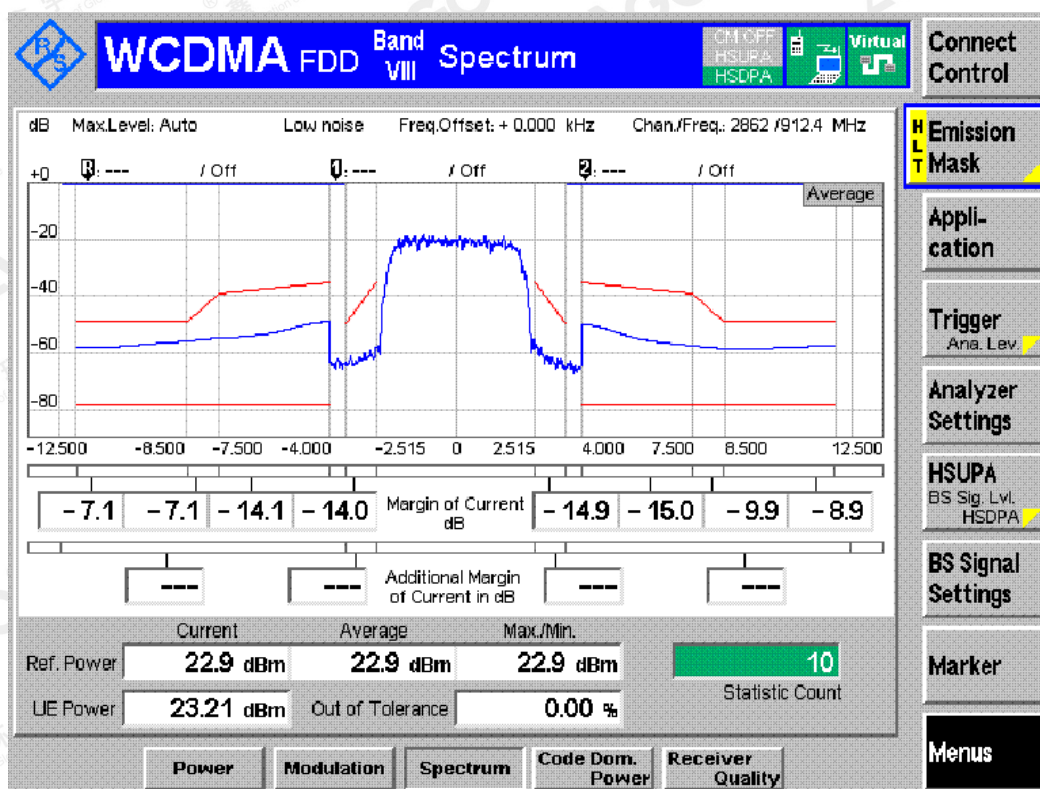


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Sub-test 2



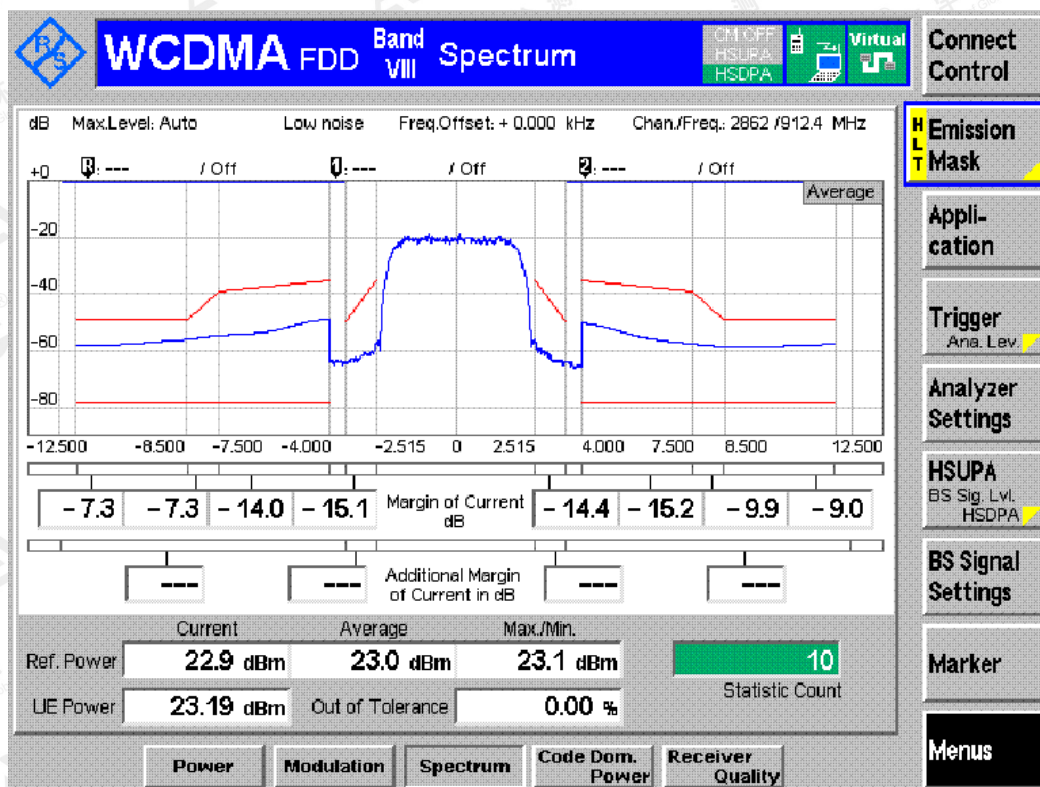
Sub-test 3



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Sub-test 4



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## Appendix H. Transmitter adjacent channel leakage power ratio with HS-DPPCH

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band I	TNVN	LCH	1	+5MHz	-50.38	-32.2	Pass
				-5 MHz	-48.69	-32.2	Pass
				-10MHz	-59.77	-42.2	Pass
				+10MHz	-59.03	-42.2	Pass
			2	+5MHz	-49.42	-32.2	Pass
				-5 MHz	-47.79	-32.2	Pass
				-10MHz	-58.58	-42.2	Pass
				+10MHz	-57.37	-42.2	Pass
			3	+5MHz	-48.94	-32.2	Pass
				-5 MHz	-46.82	-32.2	Pass
				-10MHz	-57.98	-42.2	Pass
				+10MHz	-57.04	-42.2	Pass
		MCH	4	+5MHz	-48.87	-32.2	Pass
				-5 MHz	-46.75	-32.2	Pass
				-10MHz	-57.83	-42.2	Pass
				+10MHz	-56.82	-42.2	Pass
			1	+5MHz	-54.17	-32.2	Pass
				-5 MHz	-50.30	-32.2	Pass
				-10MHz	-59.16	-42.2	Pass
				+10MHz	-59.37	-42.2	Pass
			2	+5MHz	-52.39	-32.2	Pass
				-5 MHz	-48.84	-32.2	Pass
				-10MHz	-57.61	-42.2	Pass
				+10MHz	-57.43	-42.2	Pass
			3	+5MHz	-51.52	-32.2	Pass
				-5 MHz	-48.88	-32.2	Pass
				-10MHz	-57.60	-42.2	Pass
				+10MHz	-58.08	-42.2	Pass
			4	+5MHz	-52.16	-32.2	Pass
				-5 MHz	-49.23	-32.2	Pass
				-10MHz	-57.42	-42.2	Pass
				+10MHz	-57.87	-42.2	Pass

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		HCH	1	+5MHz	-51.38	-32.2	Pass
				-5 MHz	-47.00	-32.2	Pass
				-10MHz	-59.06	-42.2	Pass
				+10MHz	-59.66	-42.2	Pass
			2	+5MHz	-50.81	-32.2	Pass
				-5 MHz	-45.83	-32.2	Pass
				-10MHz	-57.59	-42.2	Pass
				+10MHz	-58.41	-42.2	Pass
			3	+5MHz	-49.26	-32.2	Pass
				-5 MHz	-45.63	-32.2	Pass
				-10MHz	-56.98	-42.2	Pass
				+10MHz	-58.33	-42.2	Pass
			4	+5MHz	-48.90	-32.2	Pass
				-5 MHz	-45.15	-32.2	Pass
				-10MHz	-56.72	-42.2	Pass
				+10MHz	-58.13	-42.2	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band VIII	TNVN	LCH	1	+5MHz	-46.89	-32.2	Pass
				-5 MHz	-47.28	-32.2	Pass
				-10MHz	-53.22	-42.2	Pass
				+10MHz	-52.85	-42.2	Pass
			2	+5MHz	-46.11	-32.2	Pass
				-5 MHz	-46.68	-32.2	Pass
				-10MHz	-52.67	-42.2	Pass
				+10MHz	-52.53	-42.2	Pass
			3	+5MHz	-45.85	-32.2	Pass
				-5 MHz	-46.60	-32.2	Pass
				-10MHz	-52.64	-42.2	Pass
				+10MHz	-52.55	-42.2	Pass
			4	+5MHz	-45.71	-32.2	Pass
				-5 MHz	-46.63	-32.2	Pass
				-10MHz	-52.65	-42.2	Pass
				+10MHz	-52.47	-42.2	Pass
		MCH	1	+5MHz	-44.59	-32.2	Pass
				-5 MHz	-46.59	-32.2	Pass

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			2	-10MHz	-52.15	-42.2	Pass
				+10MHz	-52.51	-42.2	Pass
				+5MHz	-44.15	-32.2	Pass
				-5 MHz	-46.01	-32.2	Pass
				-10MHz	-51.70	-42.2	Pass
				+10MHz	-52.04	-42.2	Pass
			3	+5MHz	-44.04	-32.2	Pass
				-5 MHz	-45.81	-32.2	Pass
				-10MHz	-51.88	-42.2	Pass
				+10MHz	-52.25	-42.2	Pass
			4	+5MHz	-43.90	-32.2	Pass
				-5 MHz	-45.70	-32.2	Pass
				-10MHz	-51.87	-42.2	Pass
				+10MHz	-52.23	-42.2	Pass
		HCH	1	+5MHz	-47.35	-32.2	Pass
				-5 MHz	-45.62	-32.2	Pass
				-10MHz	-51.98	-42.2	Pass
				+10MHz	-53.49	-42.2	Pass
			2	+5MHz	-46.77	-32.2	Pass
				-5 MHz	-45.27	-32.2	Pass
				-10MHz	-51.66	-42.2	Pass
				+10MHz	-52.91	-42.2	Pass
			3	+5MHz	-46.52	-32.2	Pass
				-5 MHz	-44.95	-32.2	Pass
				-10MHz	-51.66	-42.2	Pass
				+10MHz	-52.97	-42.2	Pass
			4	+5MHz	-46.52	-32.2	Pass
				-5 MHz	-44.98	-32.2	Pass
				-10MHz	-51.73	-42.2	Pass
				+10MHz	-53.05	-42.2	Pass

## BAND I

TNVN

Channel LCH

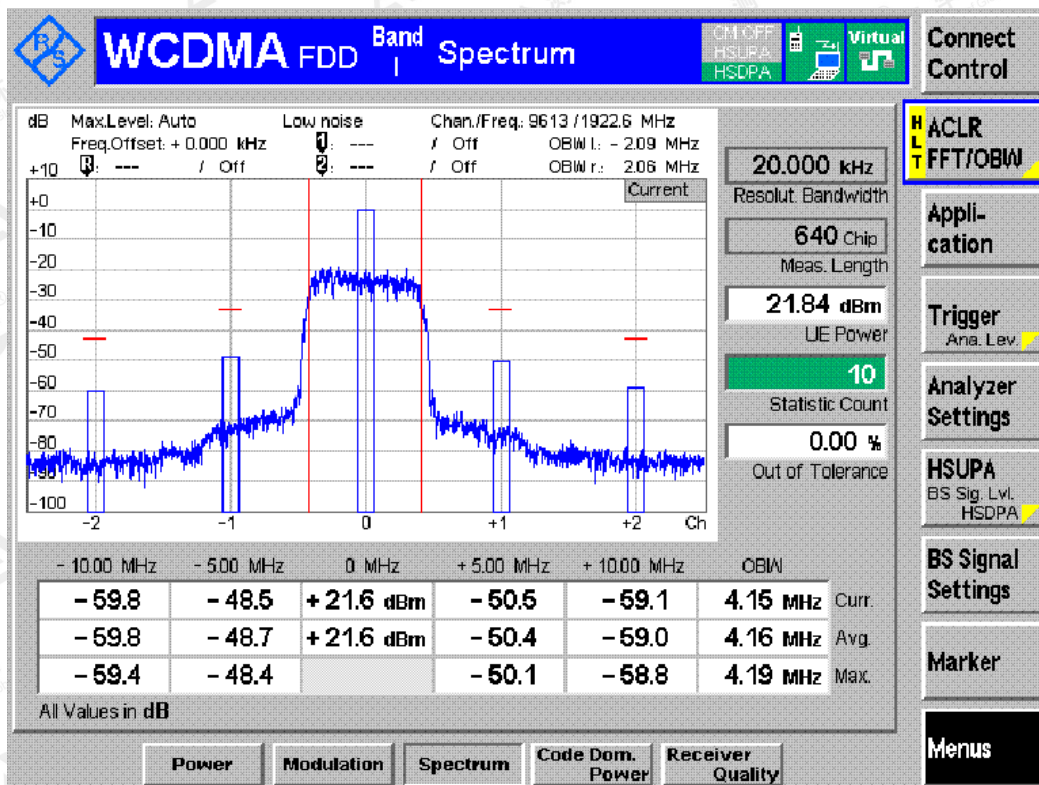
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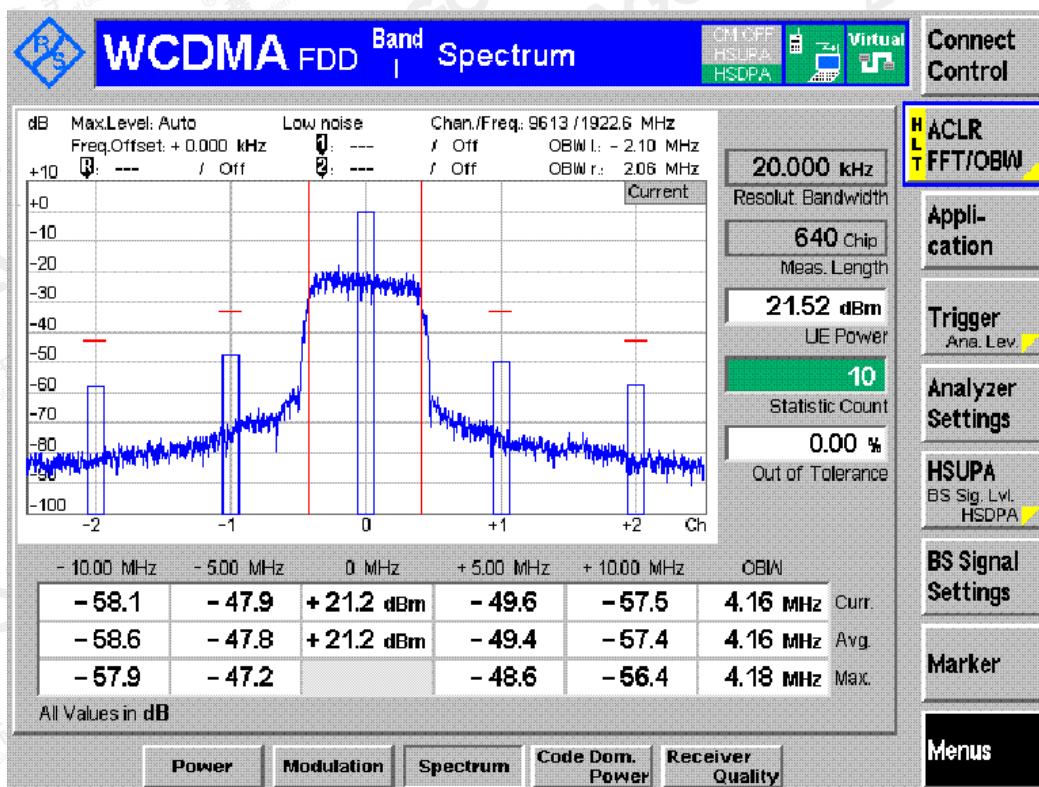
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 Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



Sub-test 1

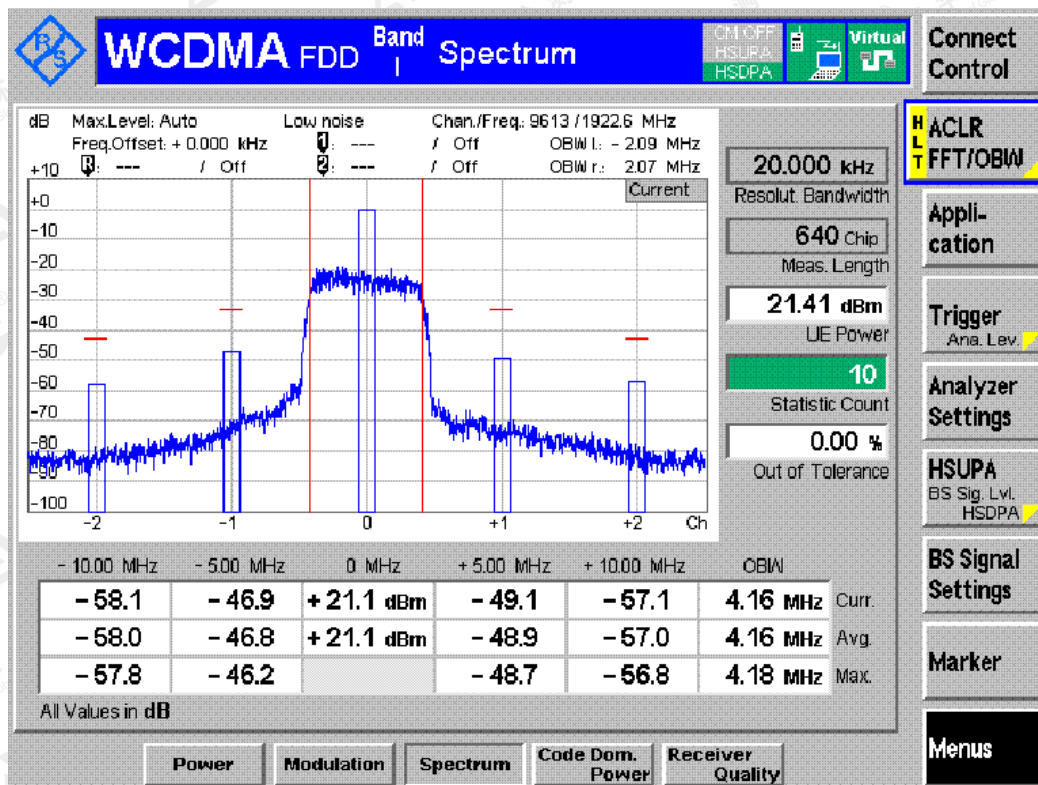


Sub-test 2

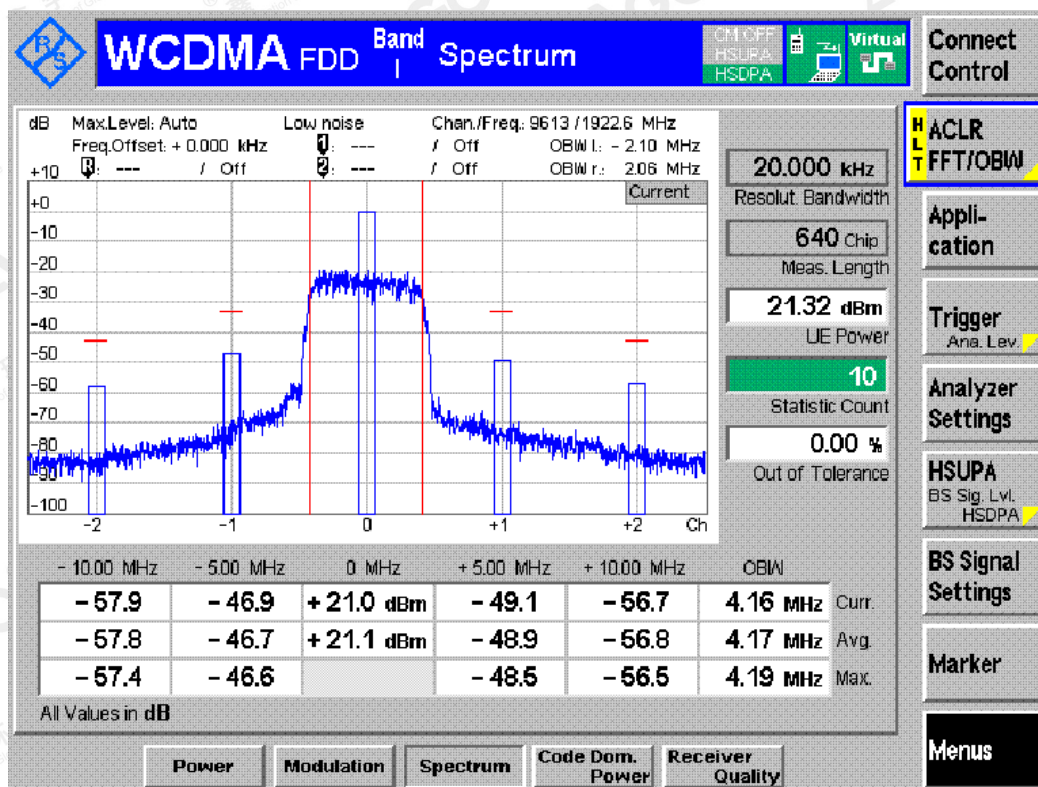


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Sub-test 3



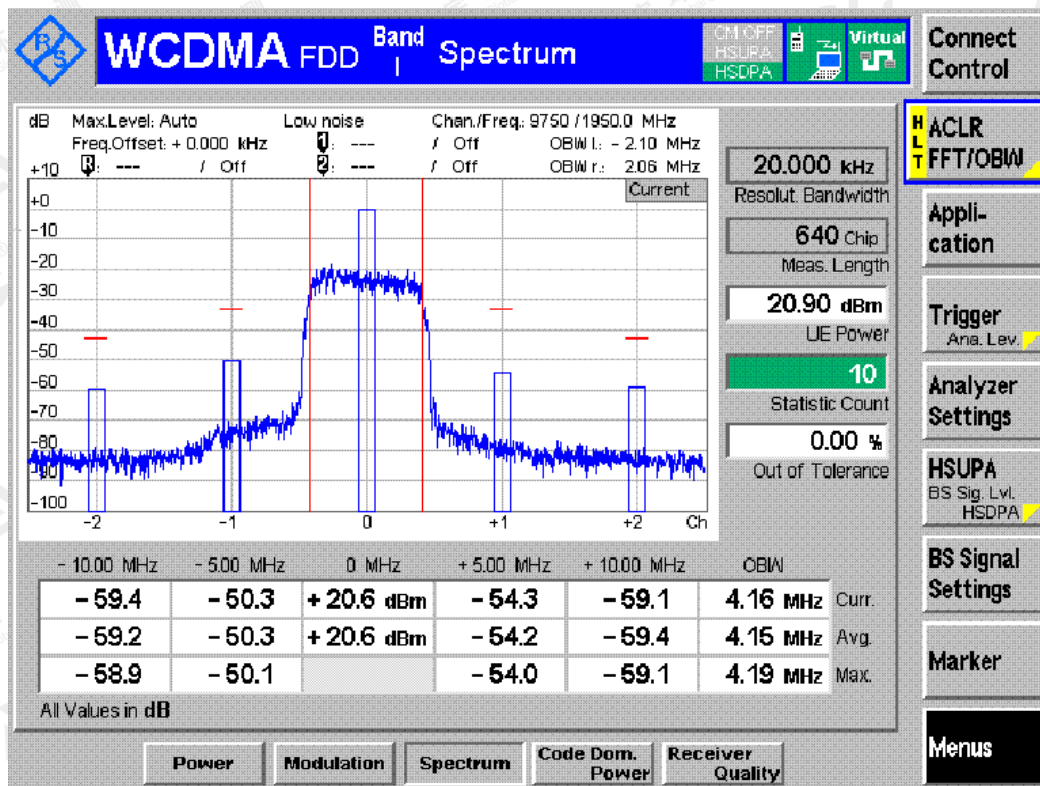
Sub-test 4



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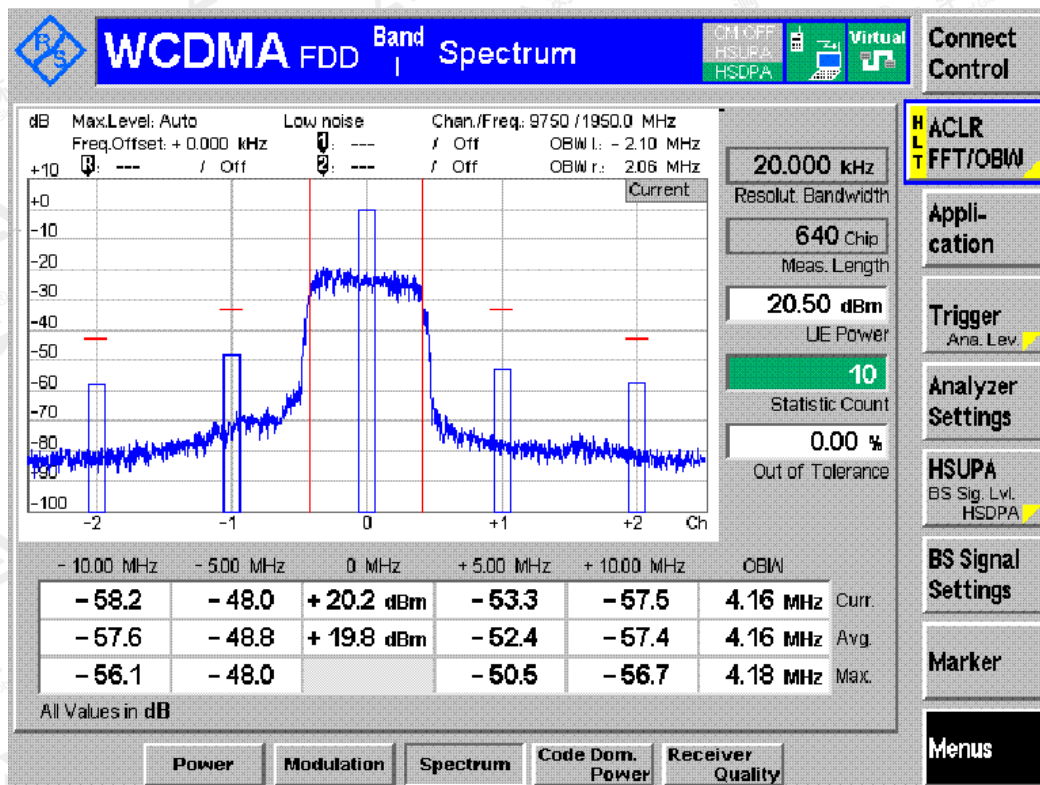
Channel MCH  
Sub-test 1



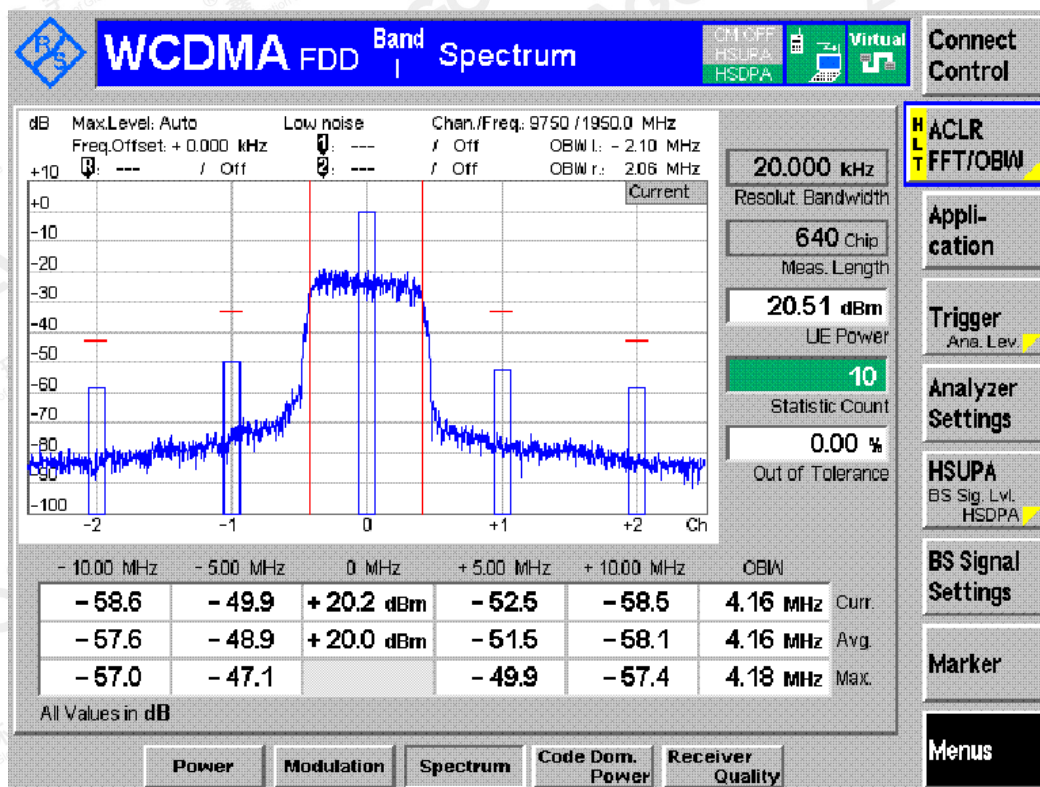
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Sub-test 2

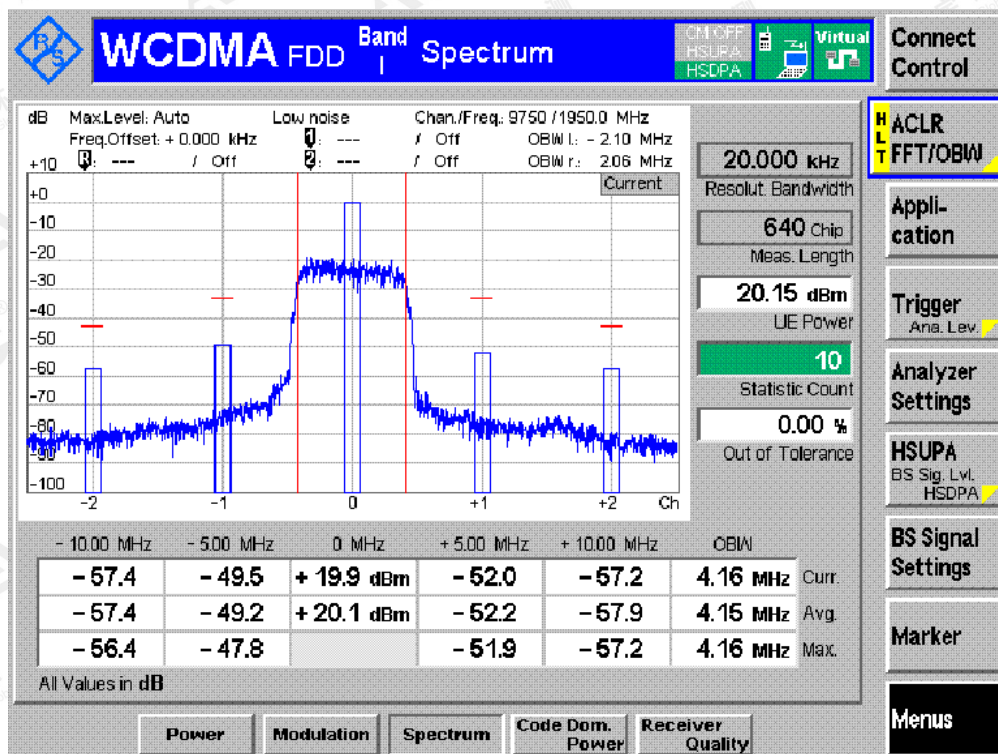


Sub-test 3



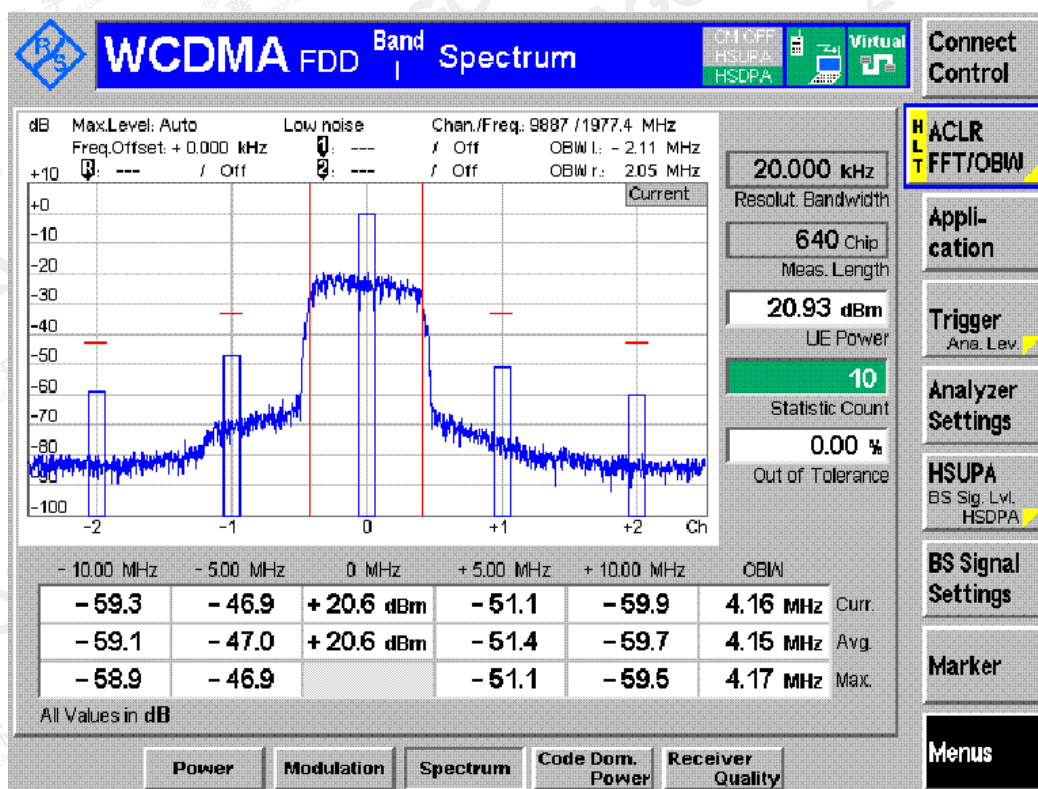
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Sub-test 4



Channel HCH

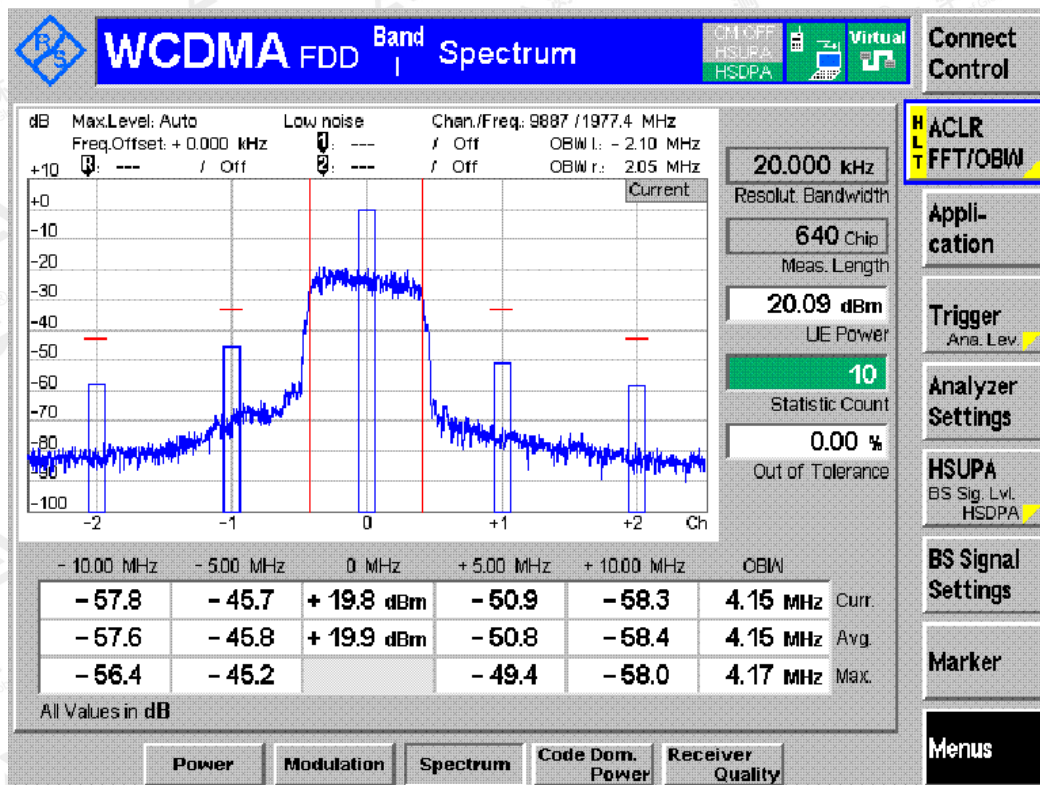
Sub-test 1



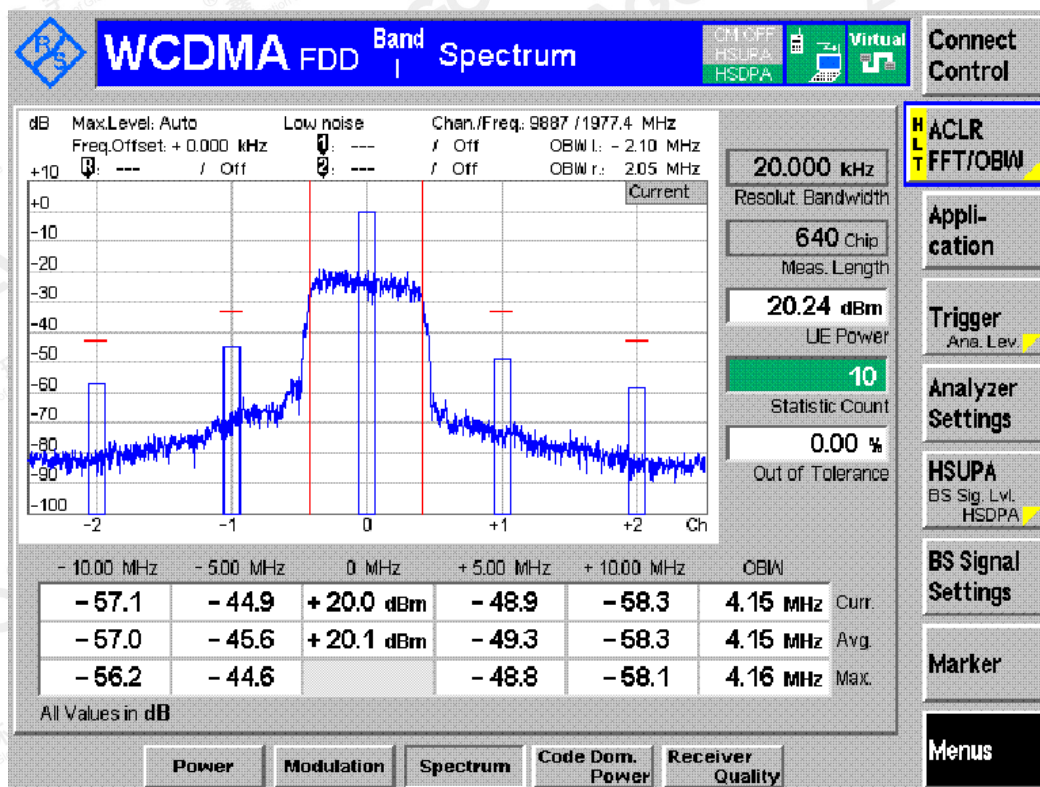
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Sub-test 2



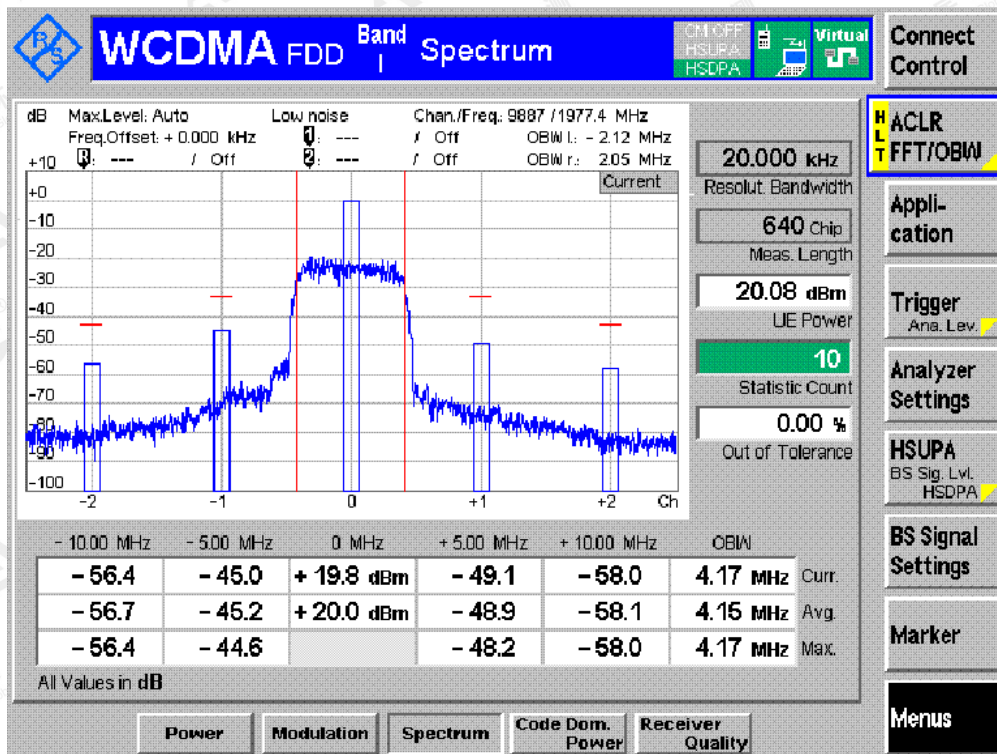
Sub-test 3



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Sub-test 4



# BAND VIII

TNPN

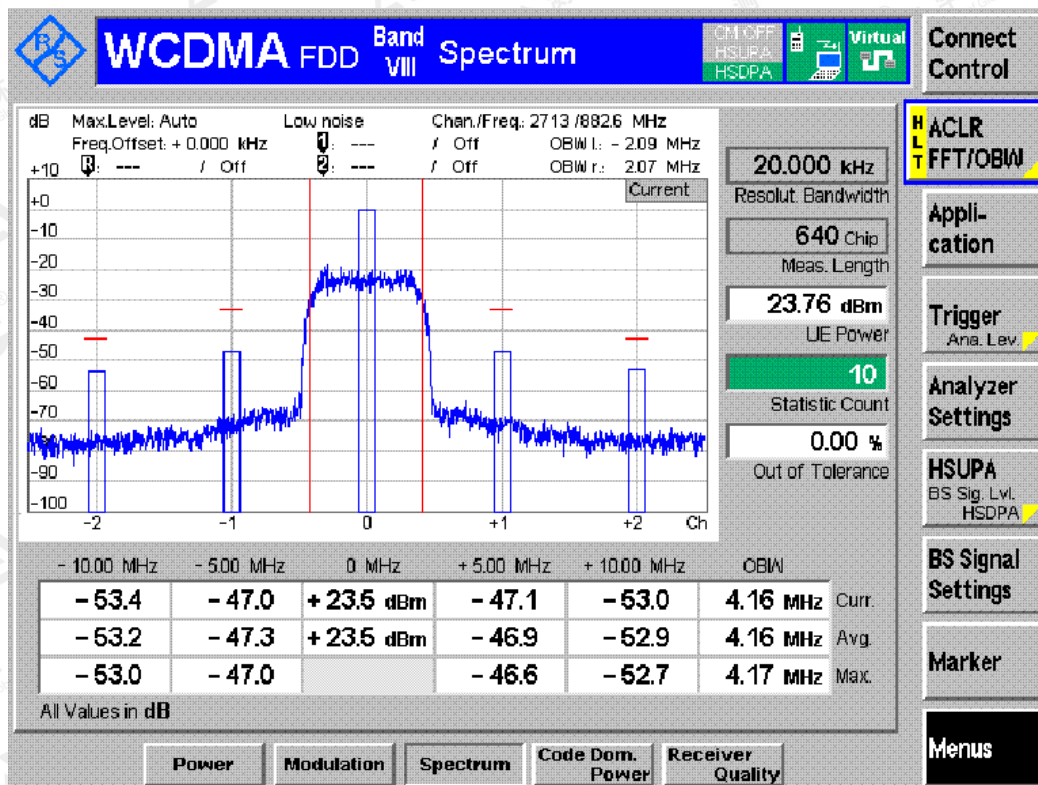
Channel LCH

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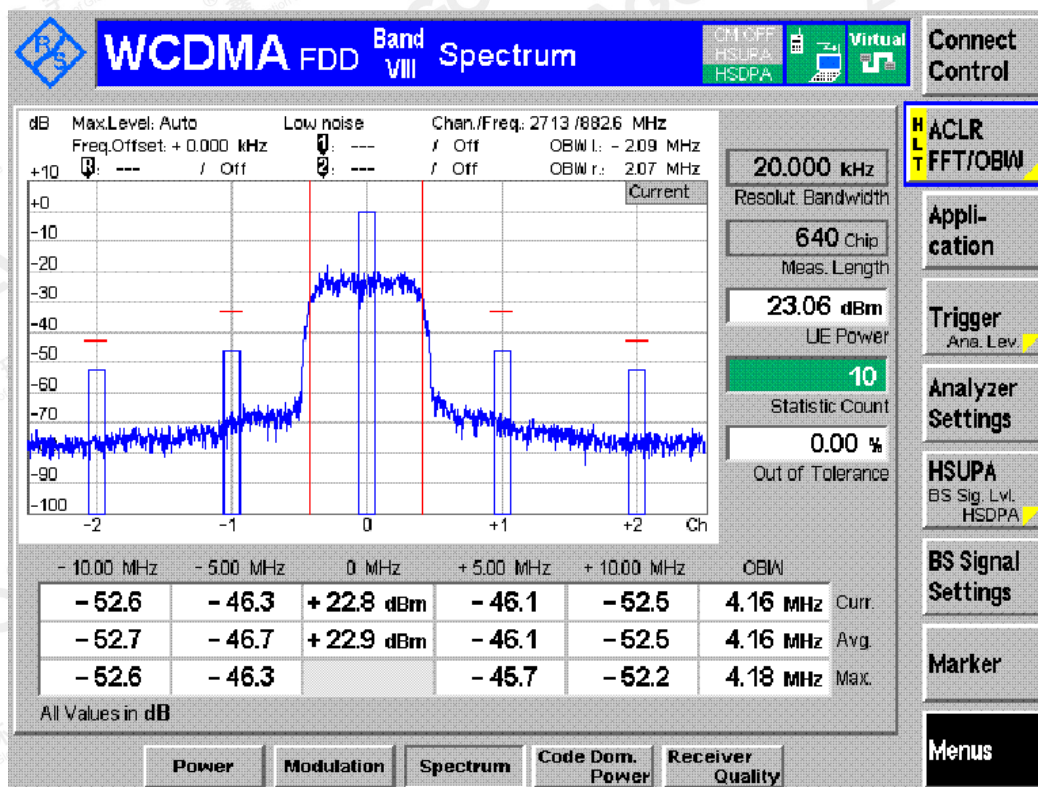
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Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China

Sub-test 1



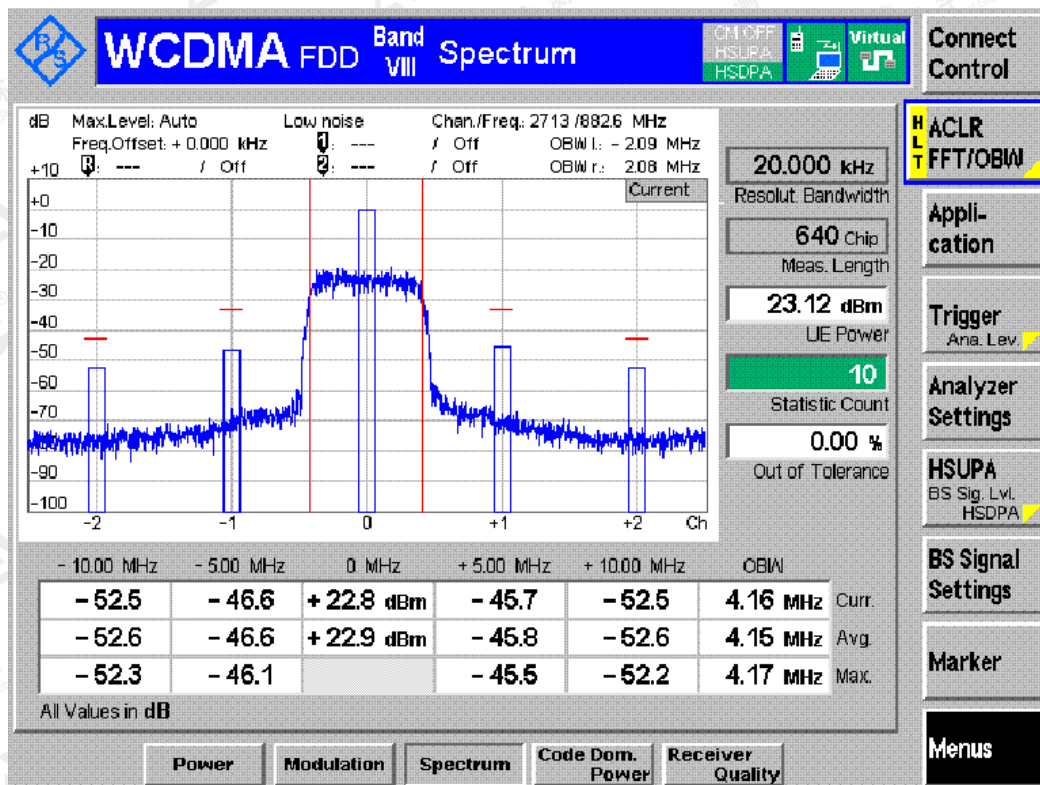
Sub-test 2



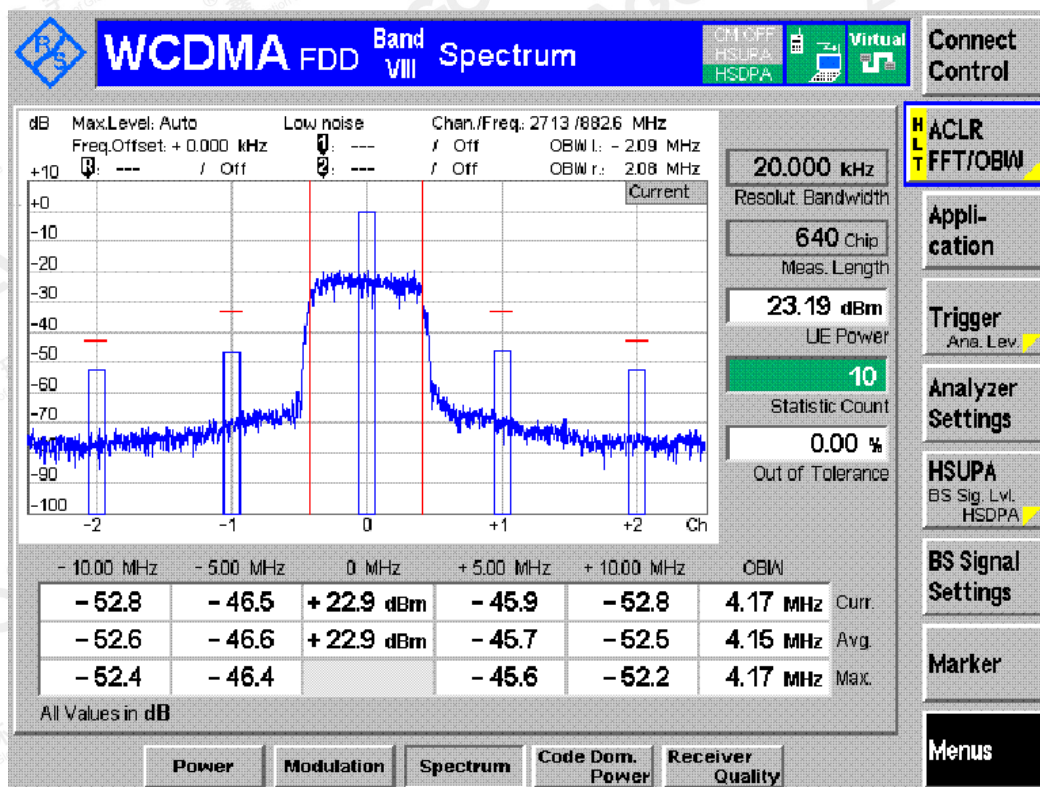
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Sub-test 3



Sub-test 4

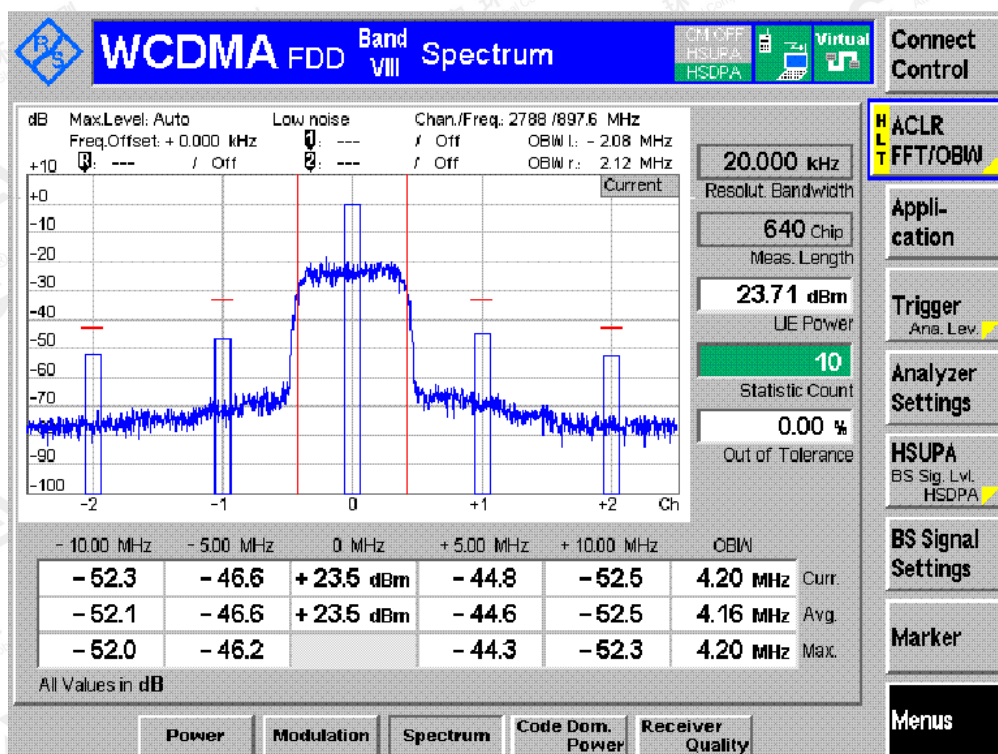


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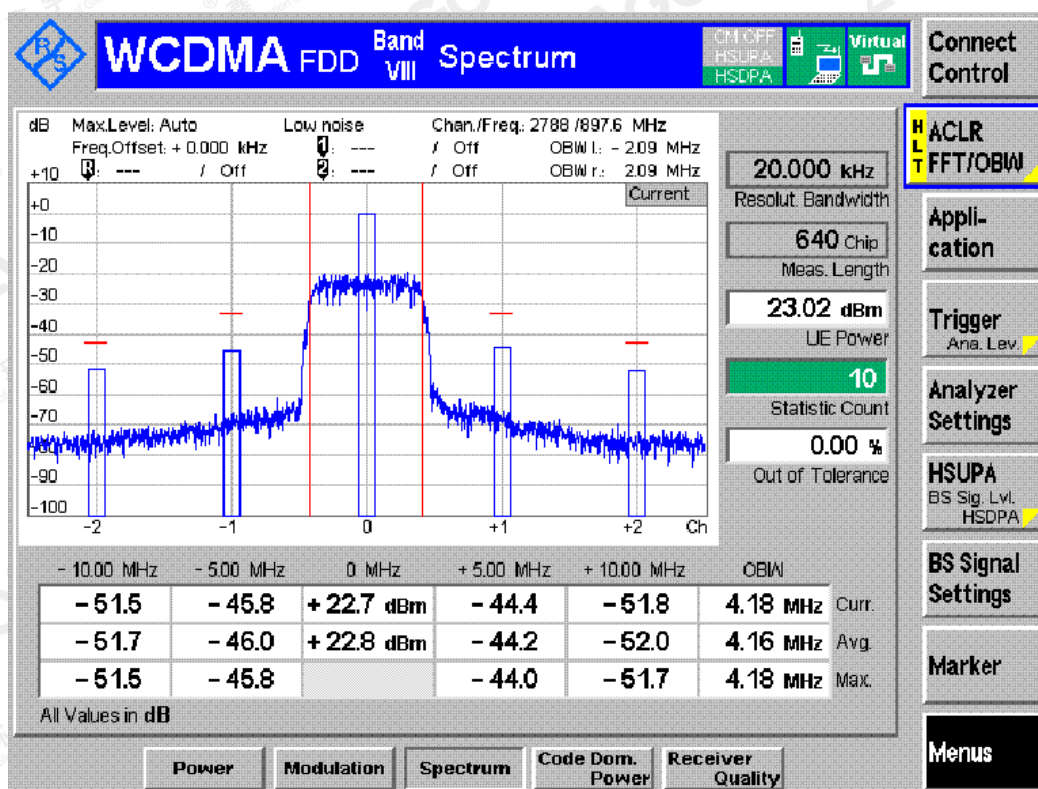


Channel MCH

Sub-test 1

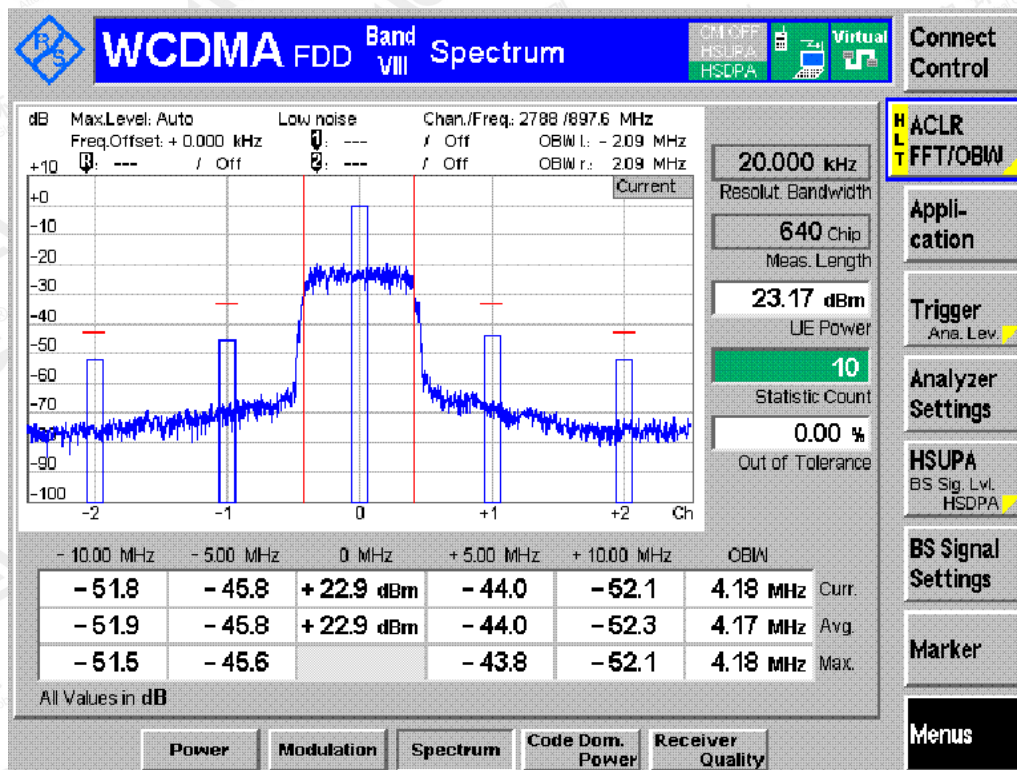


Sub-test 2

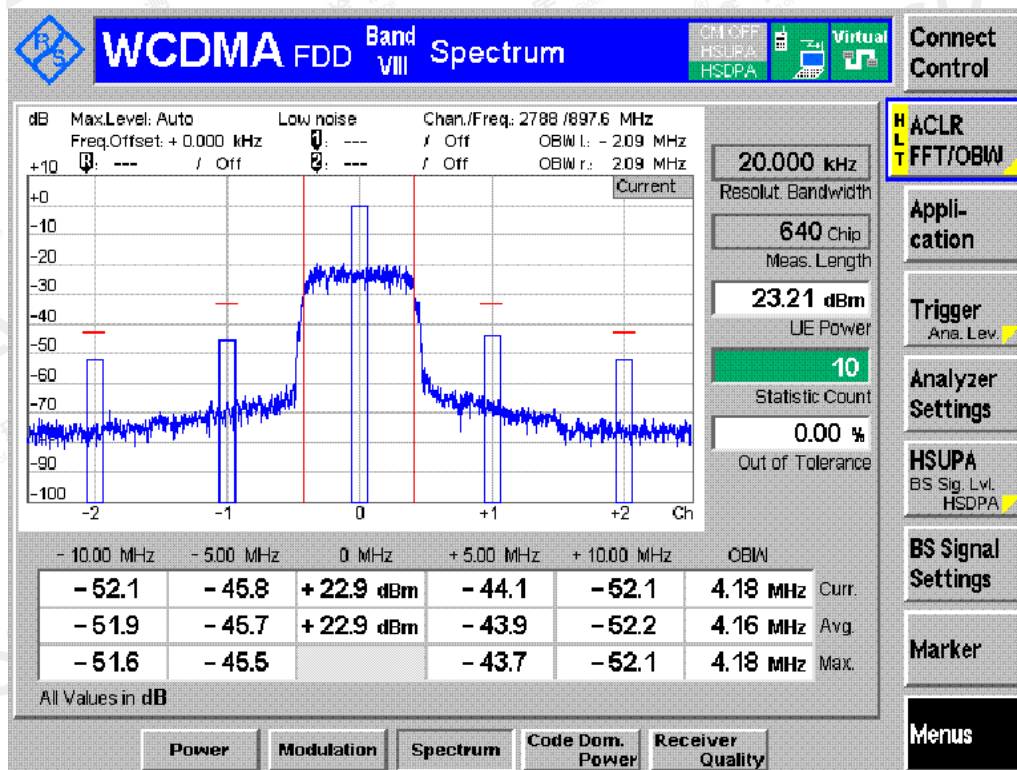


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Sub-test 3



Sub-test 4

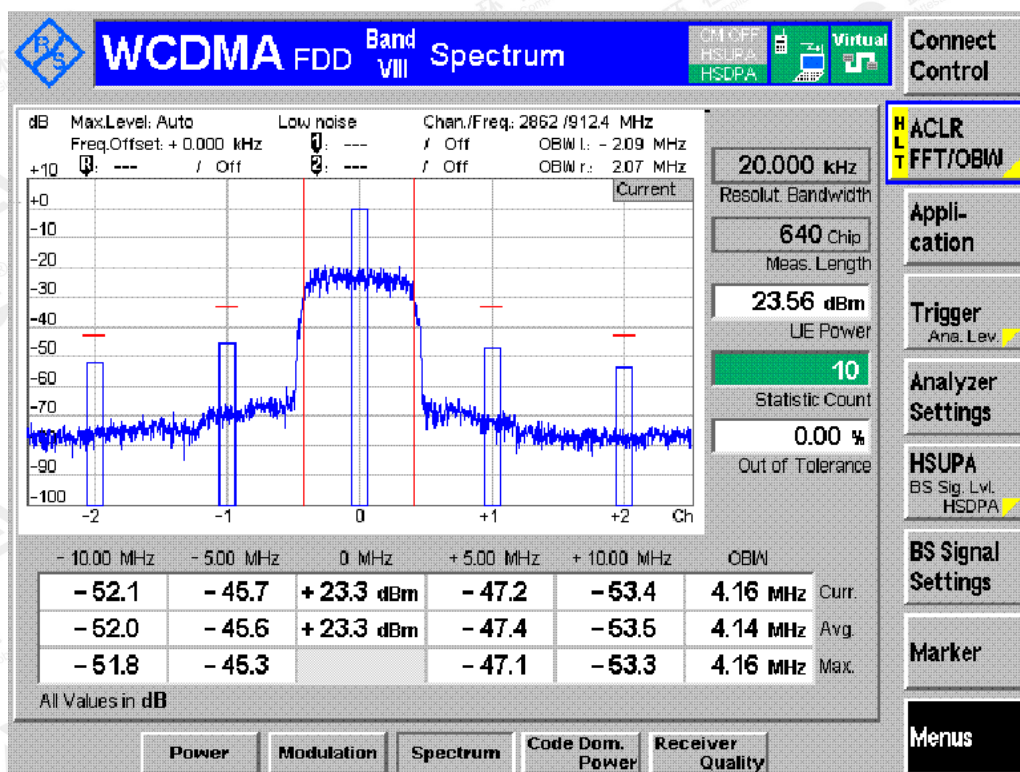


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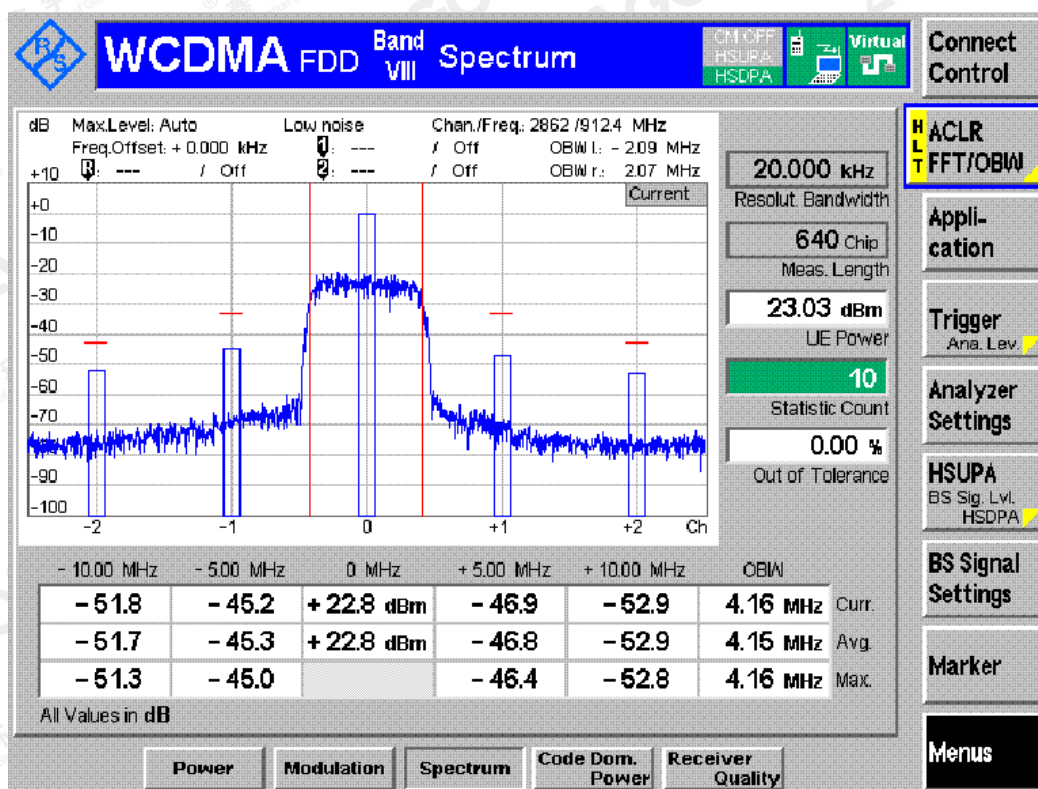


Channel HCH

Sub-test 1



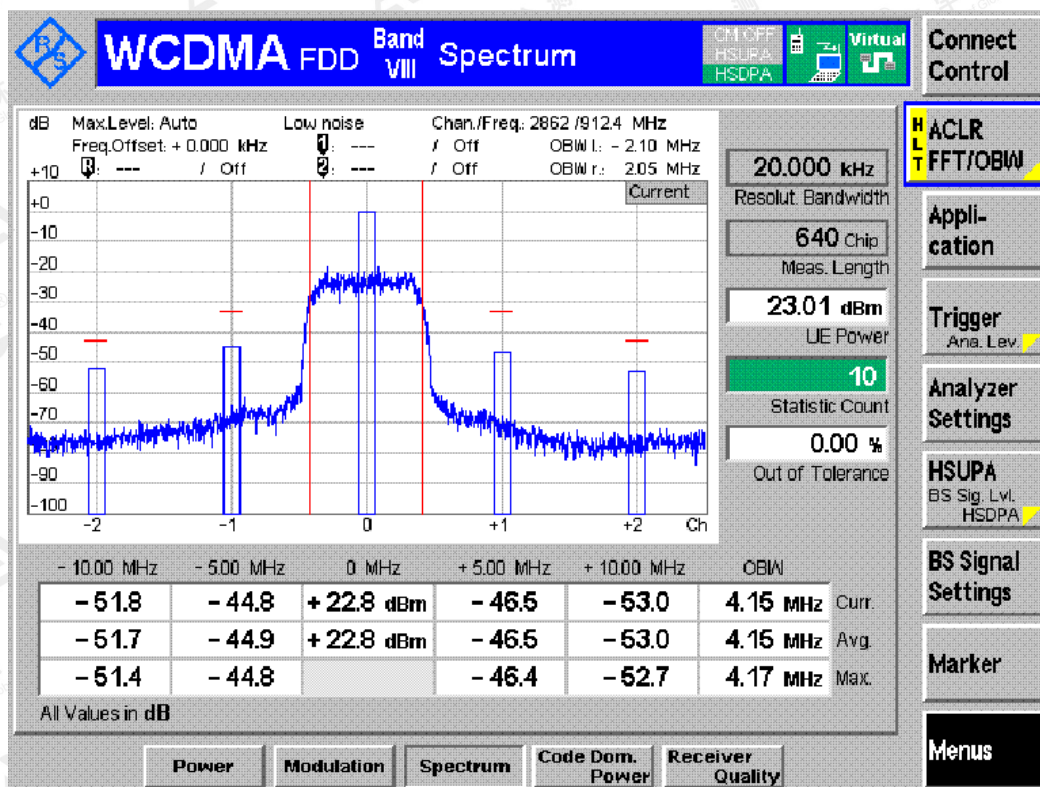
Sub-test 2



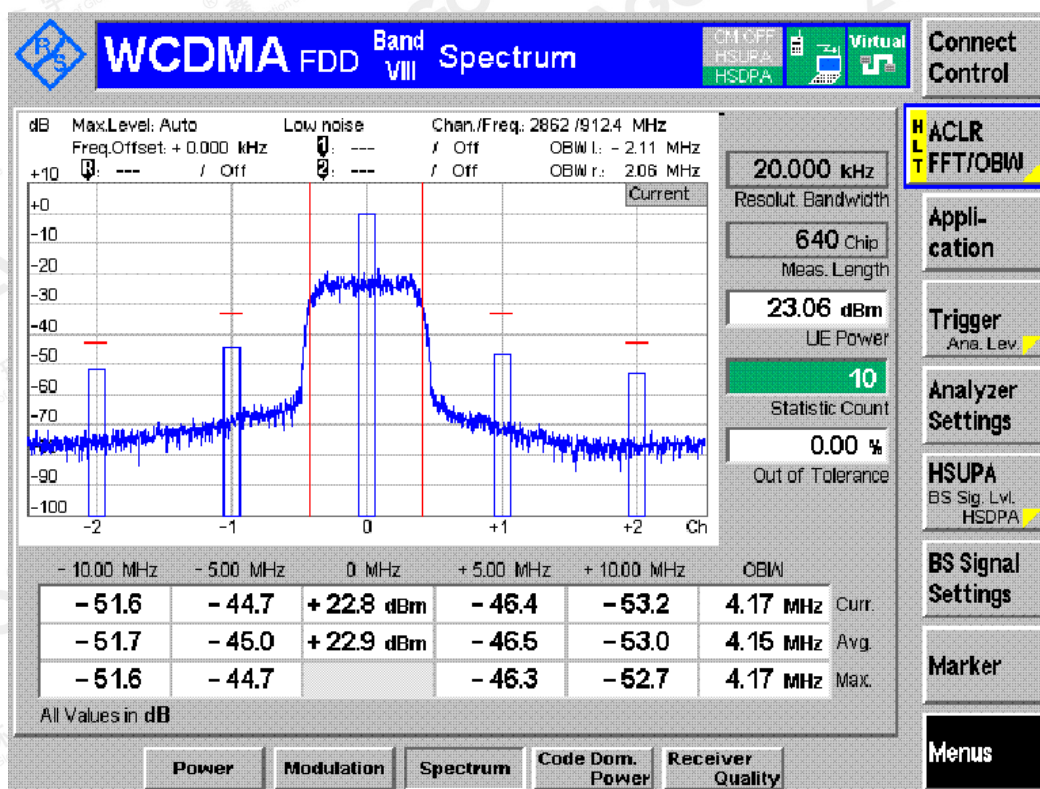
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Sub-test 3



Sub-test 4



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## Appendix I. Transmitter maximum output power with HS-DPCCH and E-DCH

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	1	20.87	+24(+1.7/-6.7)	Pass
			2	20.85	+22(+3.7/-5.2)	Pass
			3	21.80	+23(+2.7/-5.2)	Pass
			4	20.63	+22(+3.7/-5.2)	Pass
			5	22.61	+24(+1.7/-3.7)	Pass
		MCH	1	19.74	+24(+1.7/-6.7)	Pass
			2	19.71	+22(+3.7/-5.2)	Pass
			3	20.77	+23(+2.7/-5.2)	Pass
			4	19.58	+22(+3.7/-5.2)	Pass
			5	21.67	+24(+1.7/-3.7)	Pass
		HCH	1	19.75	+24(+1.7/-6.7)	Pass
			2	19.84	+22(+3.7/-5.2)	Pass
			3	20.58	+23(+2.7/-5.2)	Pass
			4	19.16	+22(+3.7/-5.2)	Pass
			5	21.61	+24(+1.7/-3.7)	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band VIII	TNVN	LCH	1	21.34	+24(+1.7/-6.7)	Pass
			2	21.30	+22(+3.7/-5.2)	Pass
			3	22.35	+23(+2.7/-5.2)	Pass
			4	20.85	+22(+3.7/-5.2)	Pass
			5	22.92	+24(+1.7/-3.7)	Pass
		MCH	1	21.30	+24(+1.7/-6.7)	Pass
			2	21.27	+22(+3.7/-5.2)	Pass
			3	22.29	+23(+2.7/-5.2)	Pass
			4	20.86	+22(+3.7/-5.2)	Pass
			5	22.93	+24(+1.7/-3.7)	Pass
		HCH	1	21.21	+24(+1.7/-6.7)	Pass
			2	21.18	+22(+3.7/-5.2)	Pass
			3	22.16	+23(+2.7/-5.2)	Pass
			4	20.76	+22(+3.7/-5.2)	Pass
			5	22.79	+24(+1.7/-3.7)	Pass

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**Appendix J. Transmitter spectrum emission mask with HS-DPCCH and E-DCH**

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS
		5	PASS	PASS	PASS

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS
		5	PASS	PASS	PASS

# **BAND I**

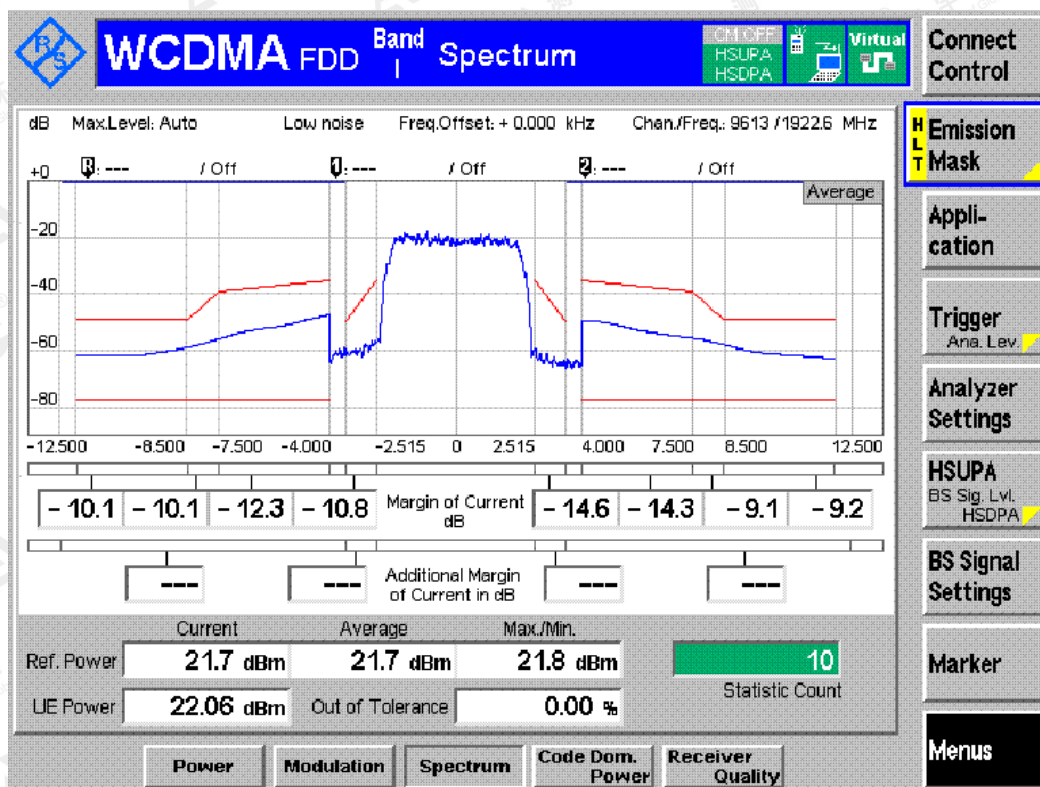
**Channel LCH**

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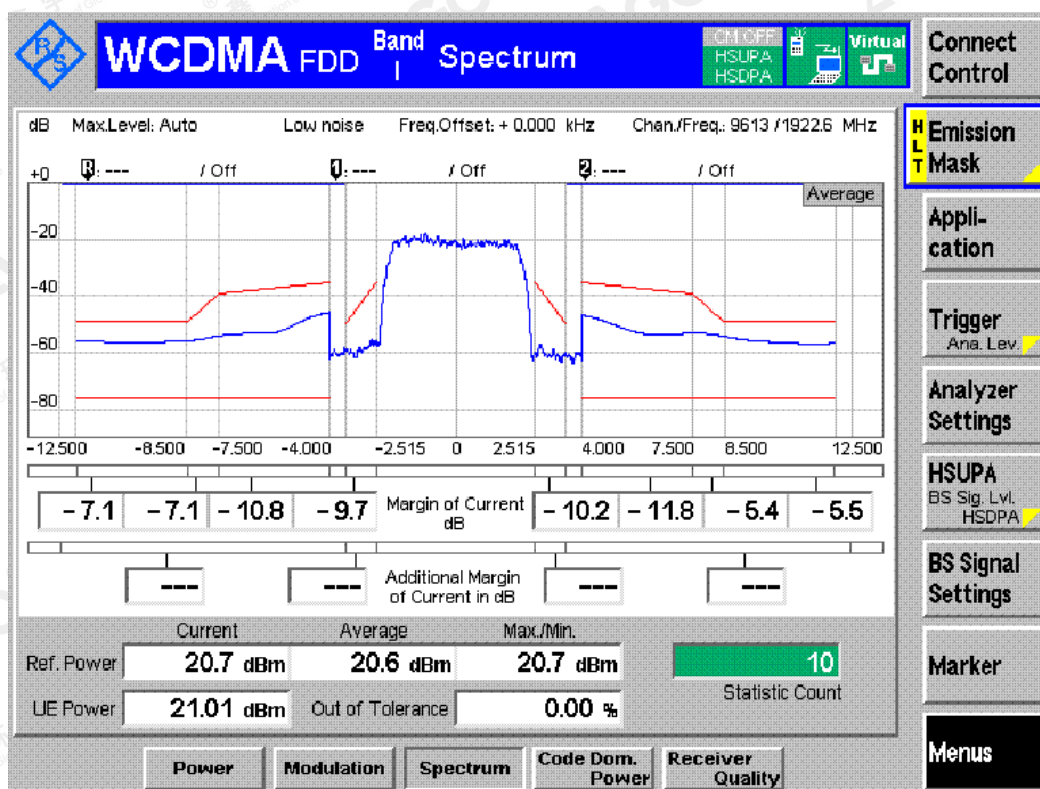




Sub-test 3



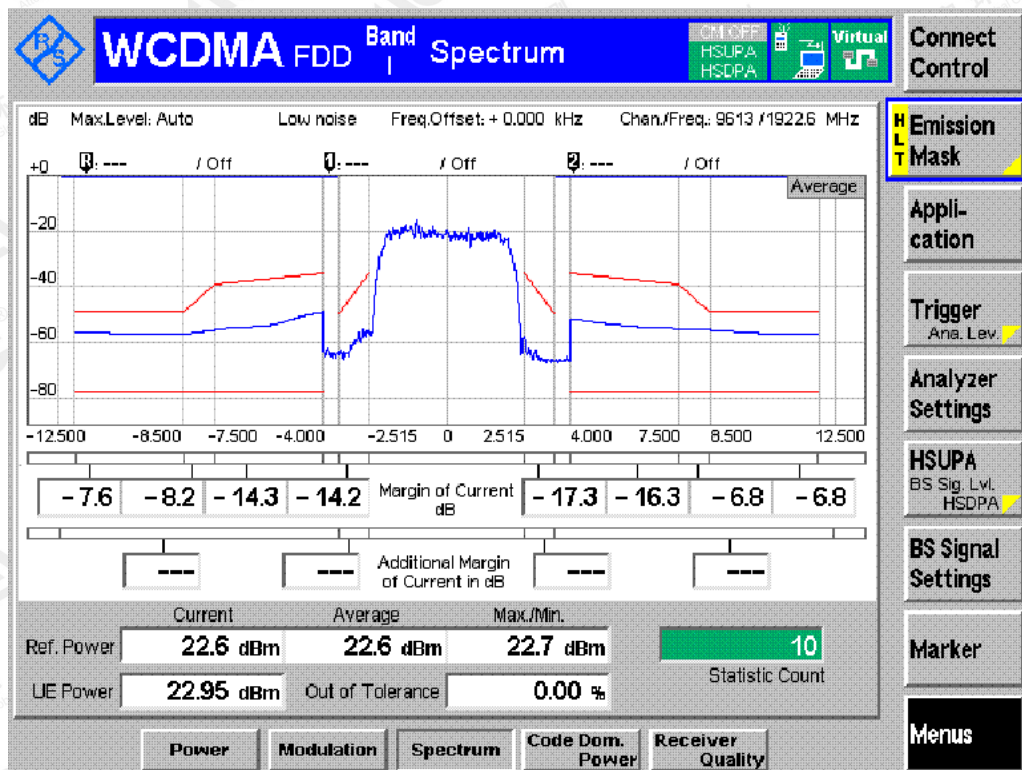
Sub-test 4



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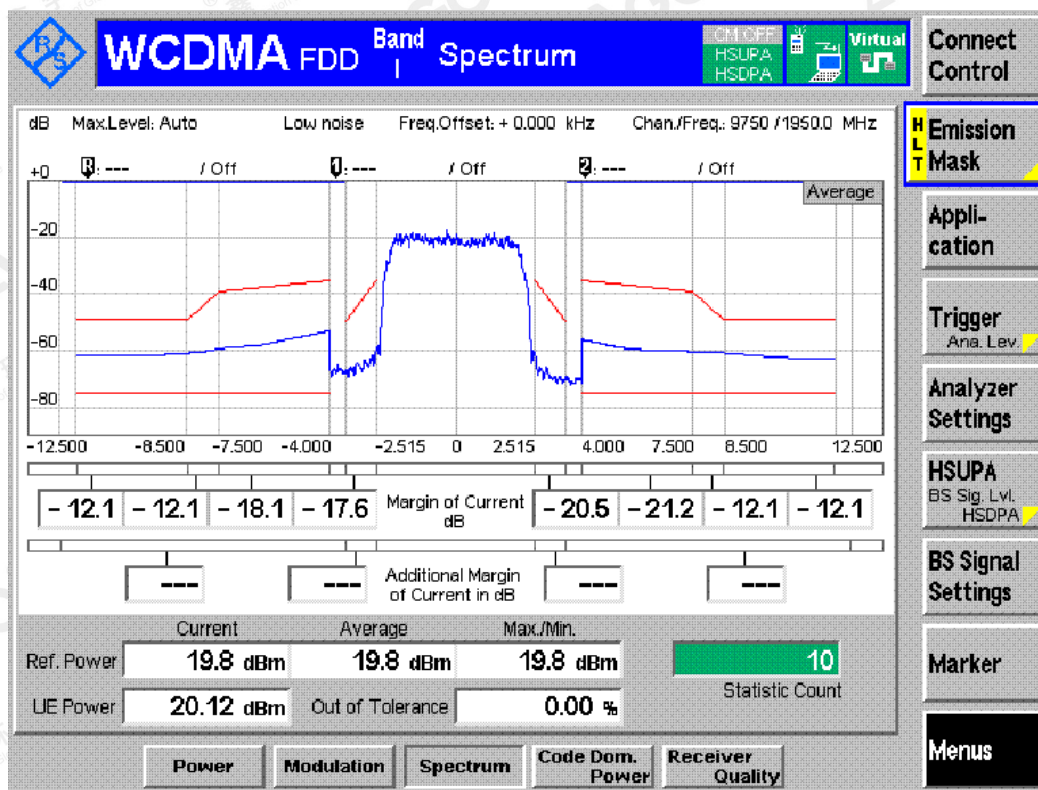


Sub-test 5



Channel MCH

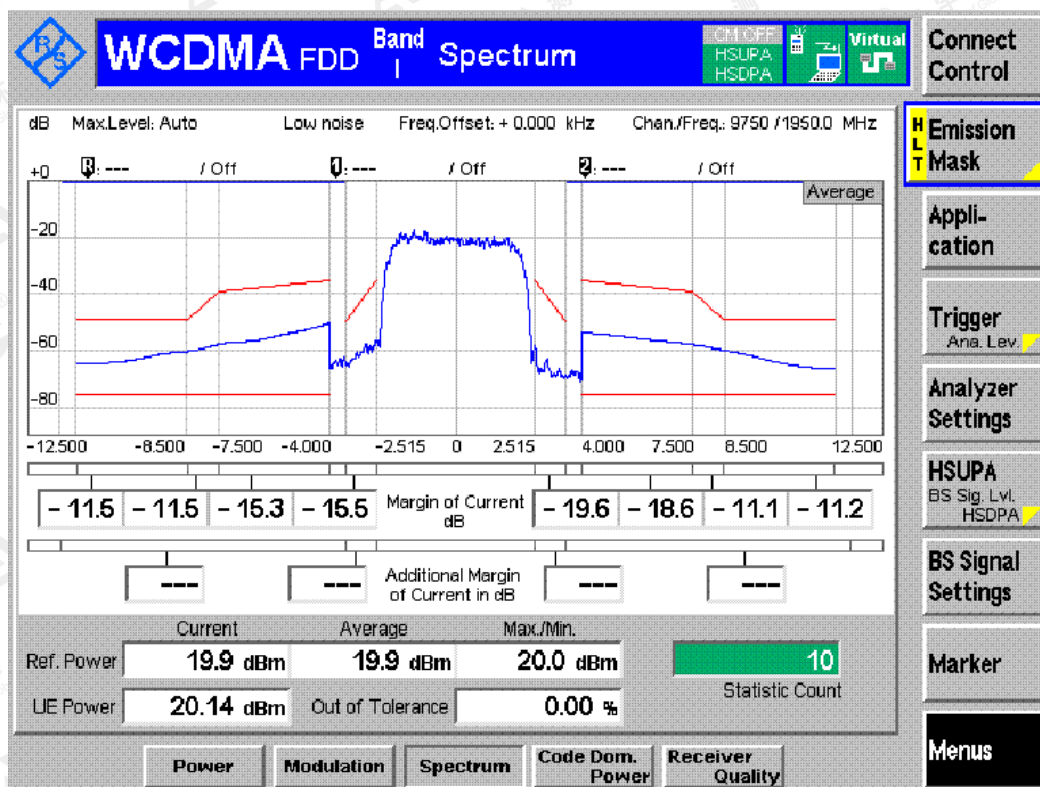
Sub-test 1



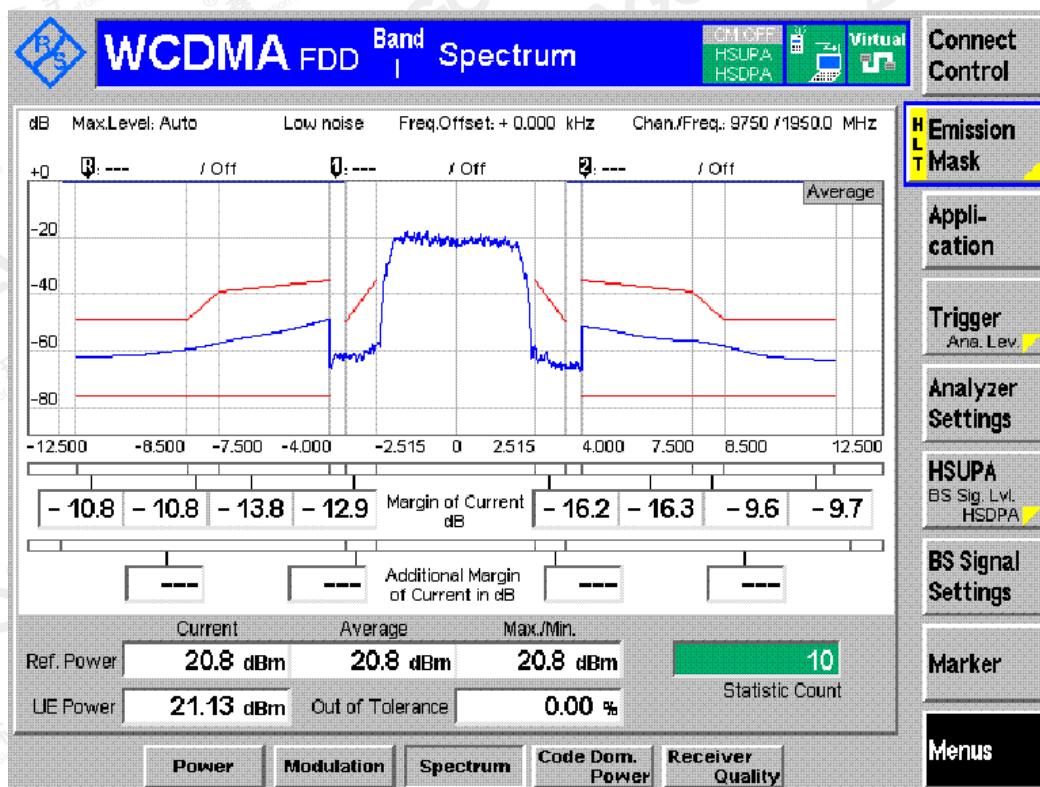
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Sub-test 2

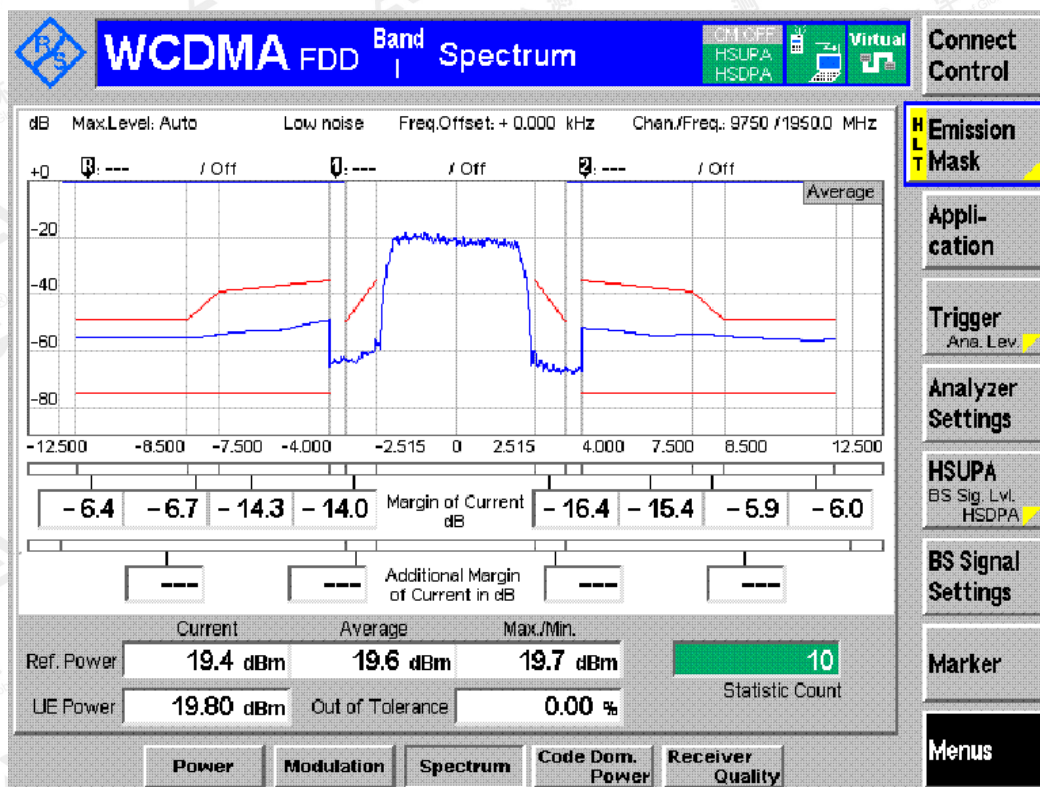


Sub-test 3

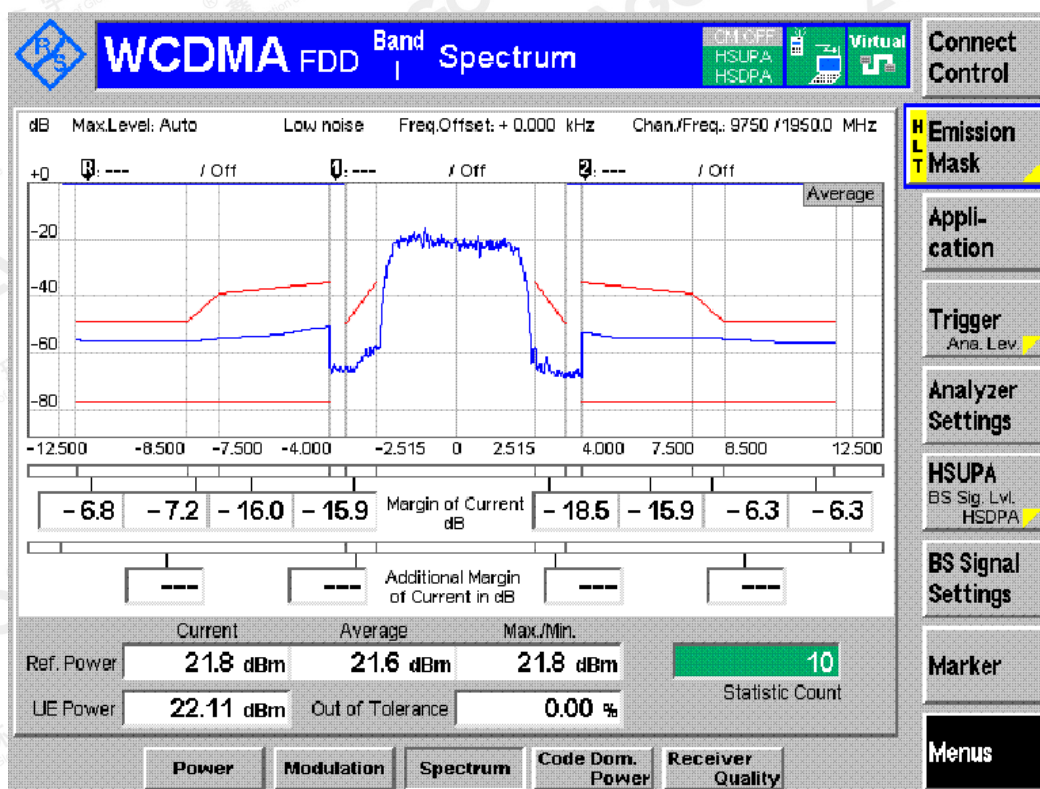


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Sub-test 4



Sub – test 5

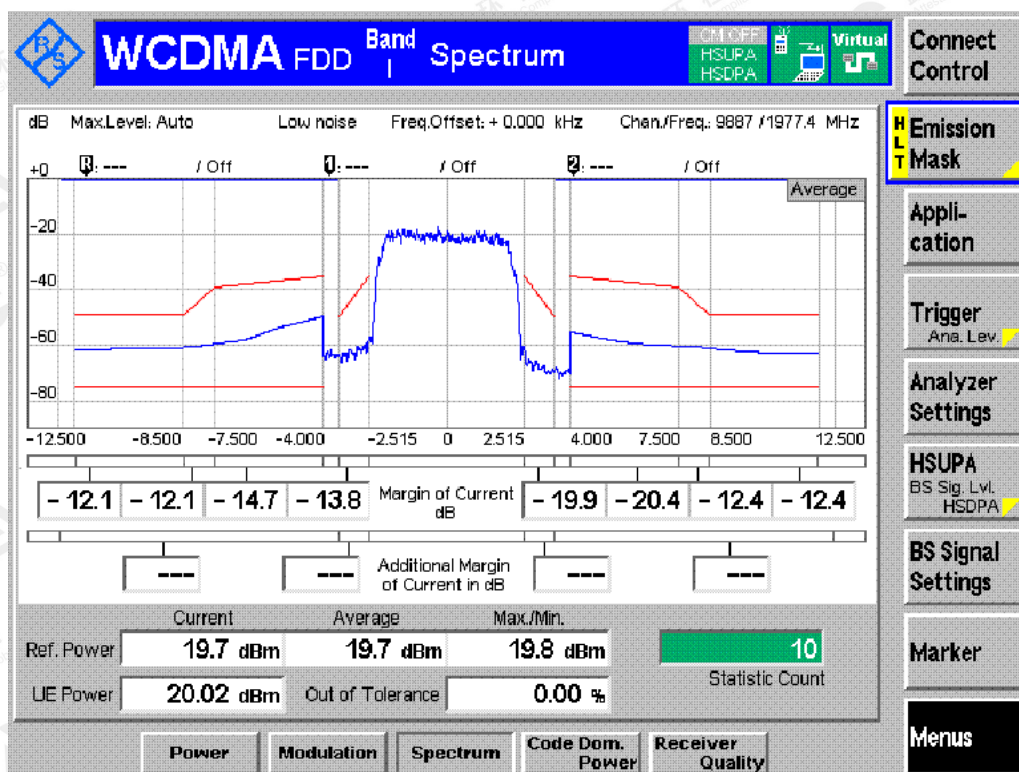


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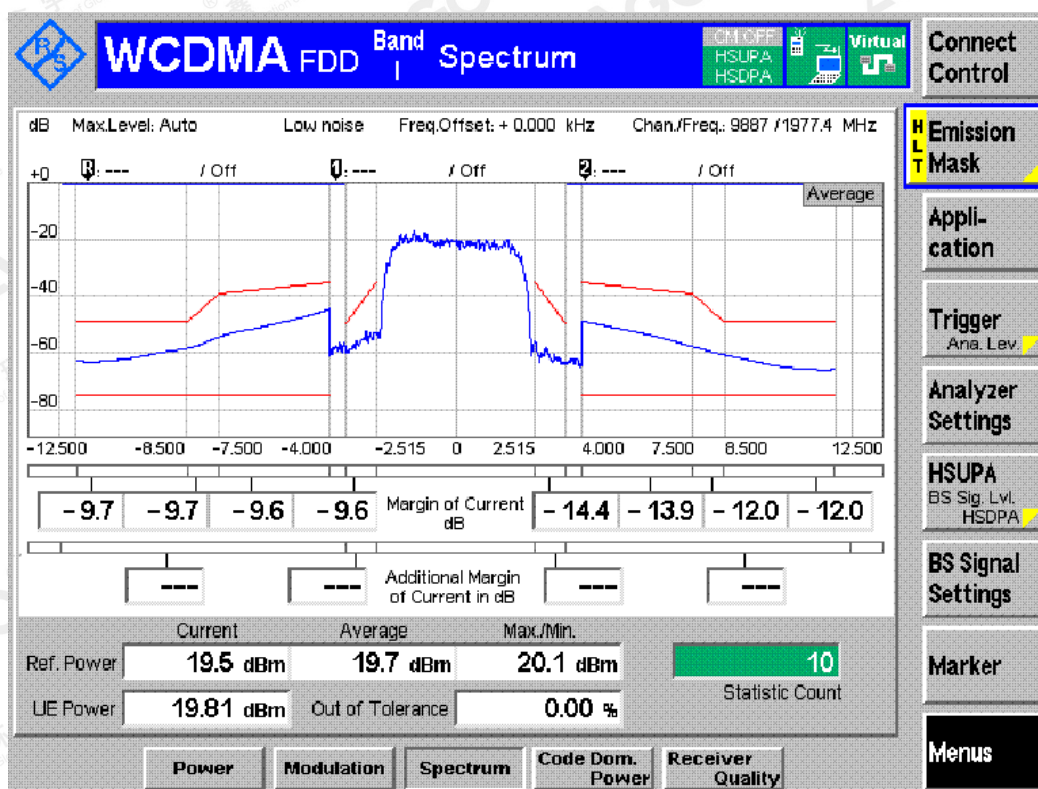


## Channel HCH

### Sub-test 1



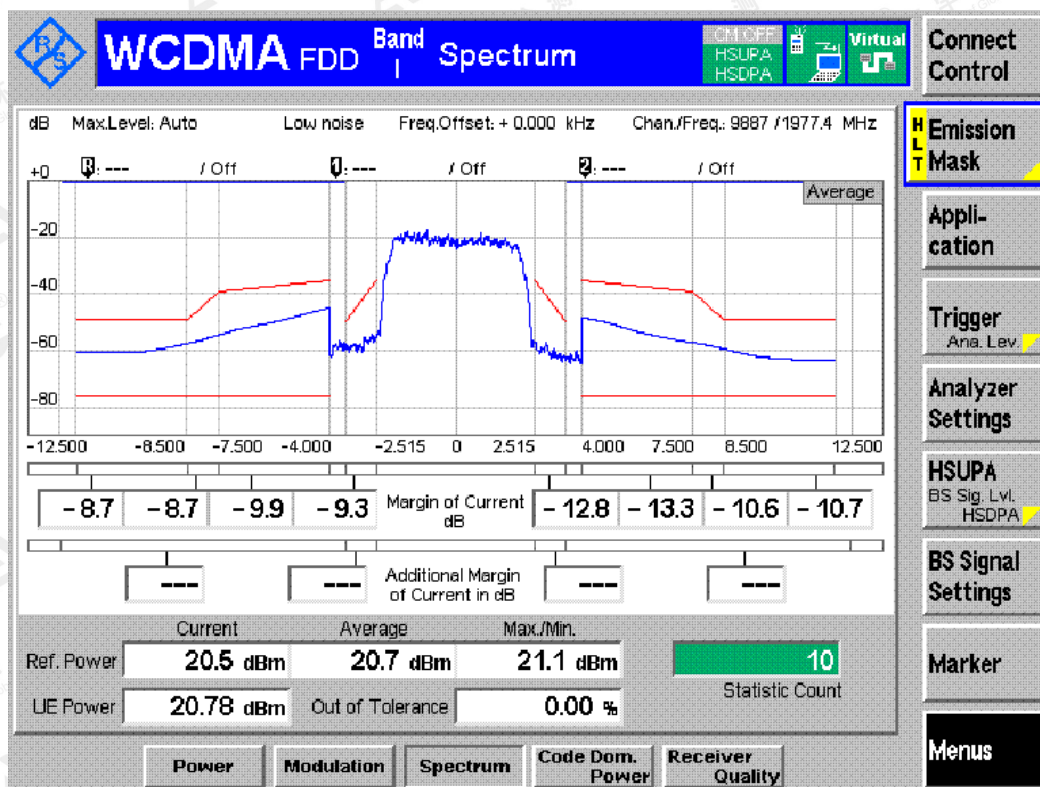
### Sub-test 2



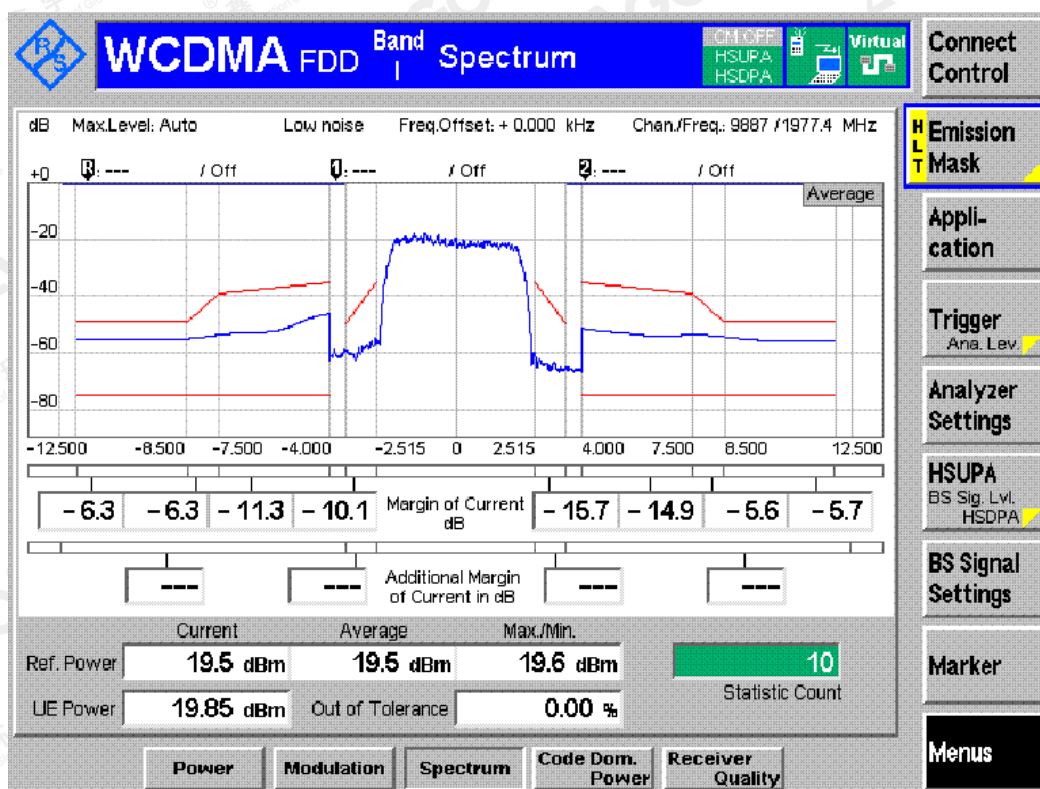
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Sub-test 3

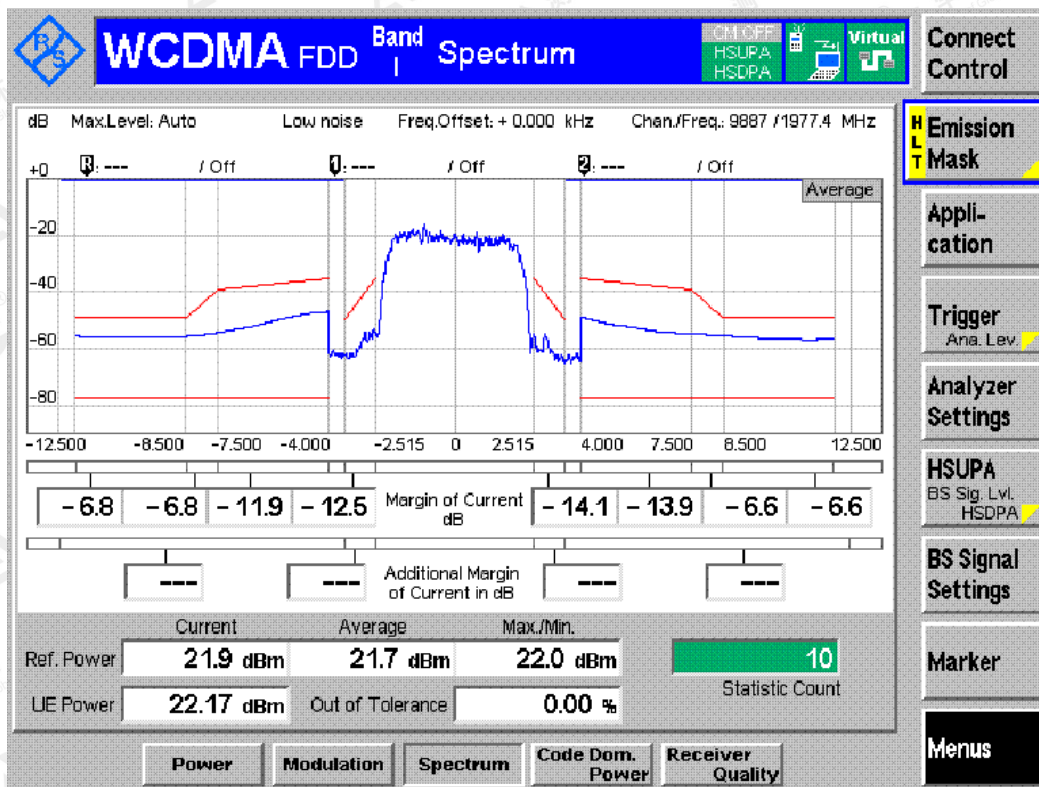


Sub-test 4



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Sub-test 5



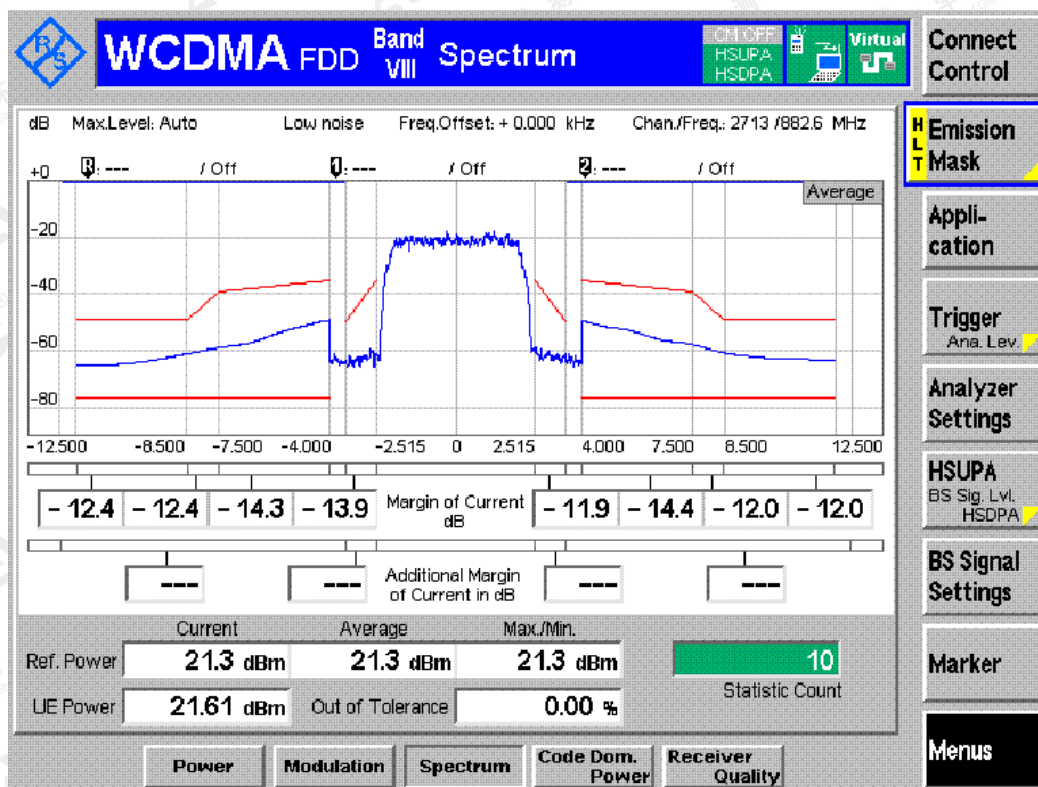
## BAND VIII

### Channel LCH

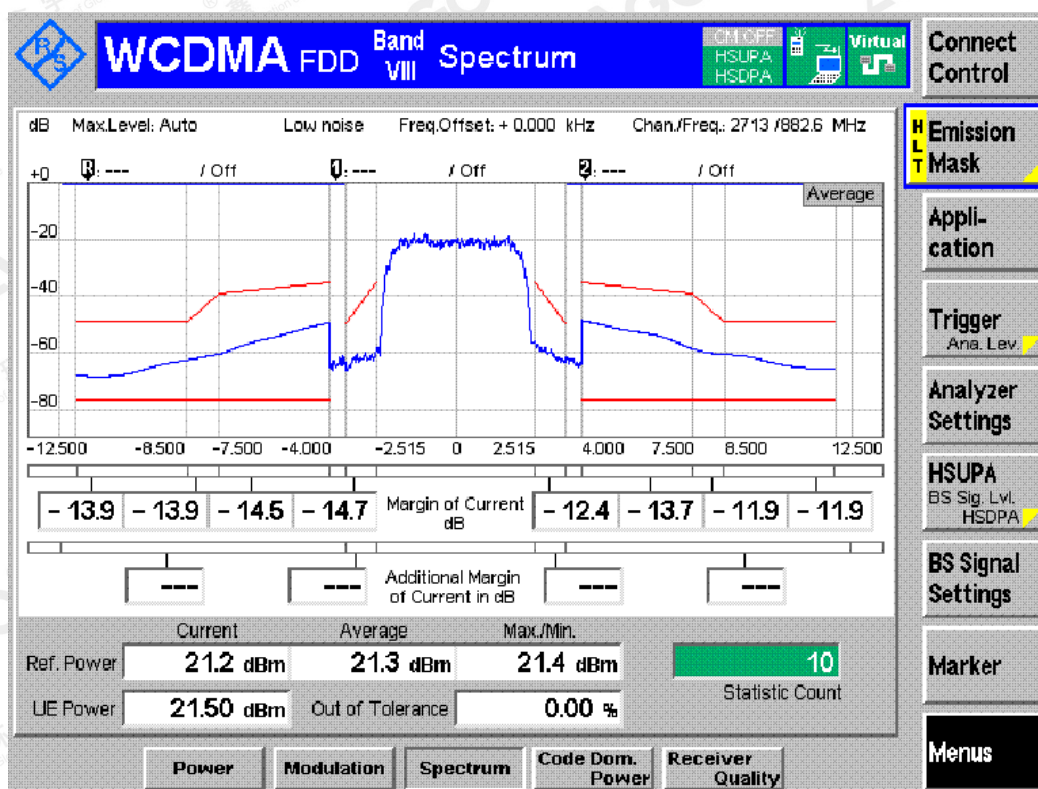
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Sub-test 1



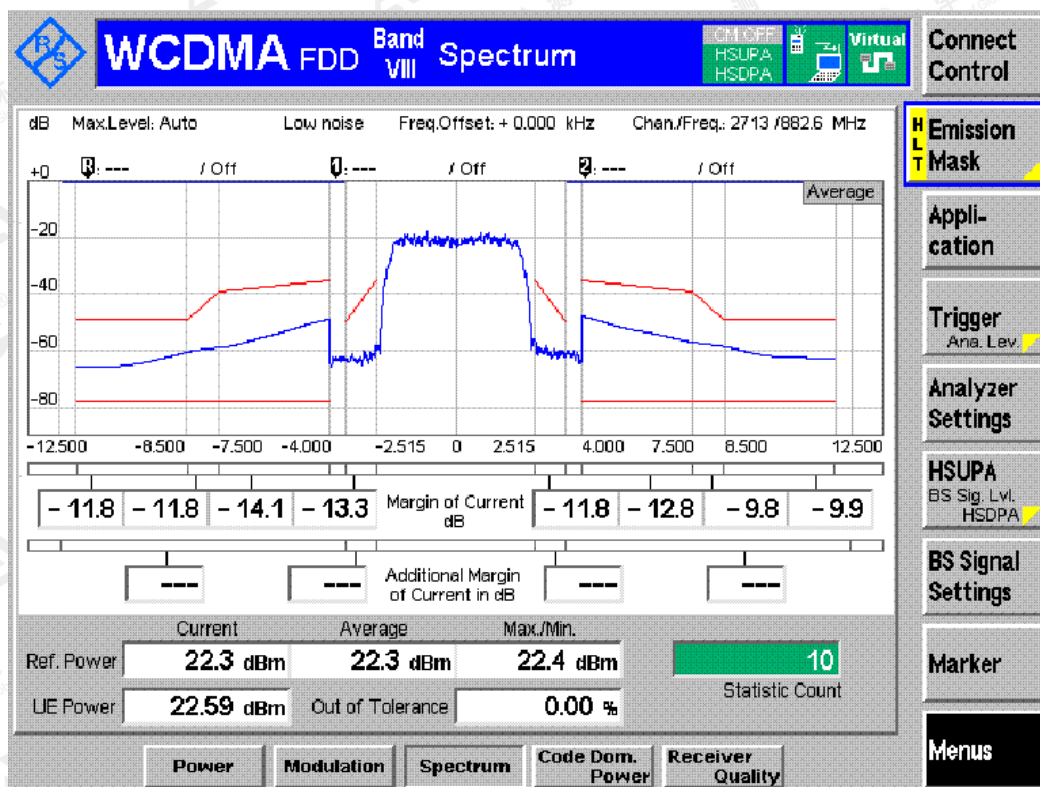
Sub-test 2



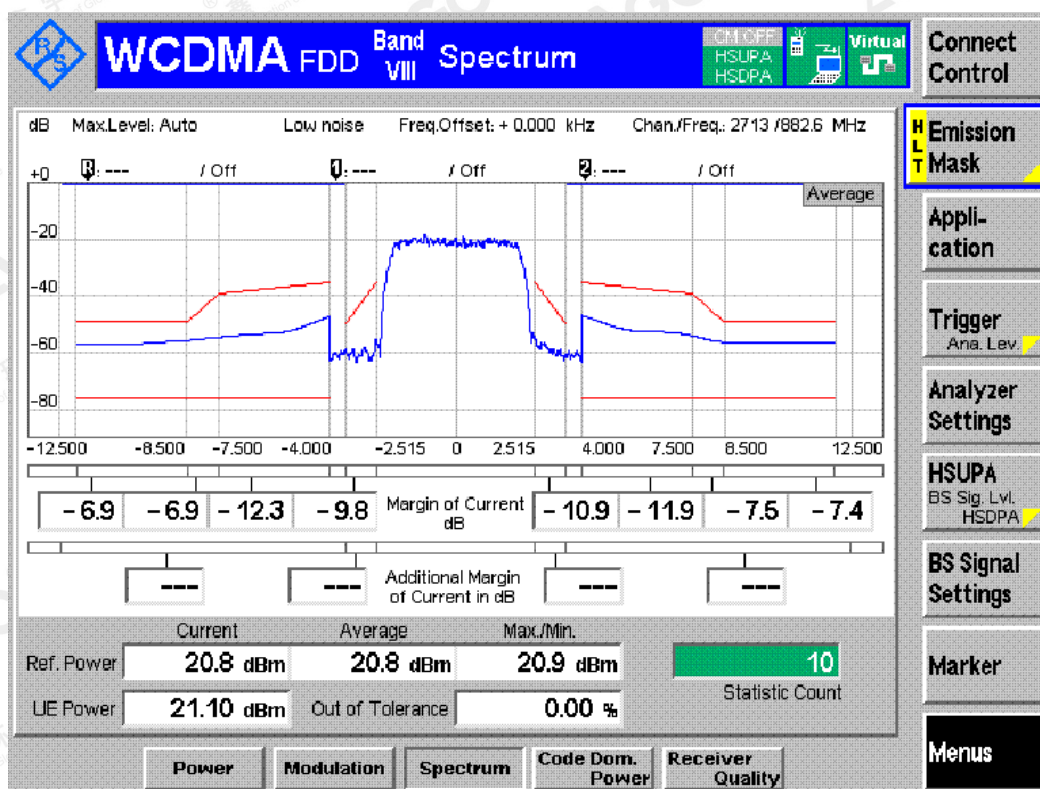
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Sub-test 3

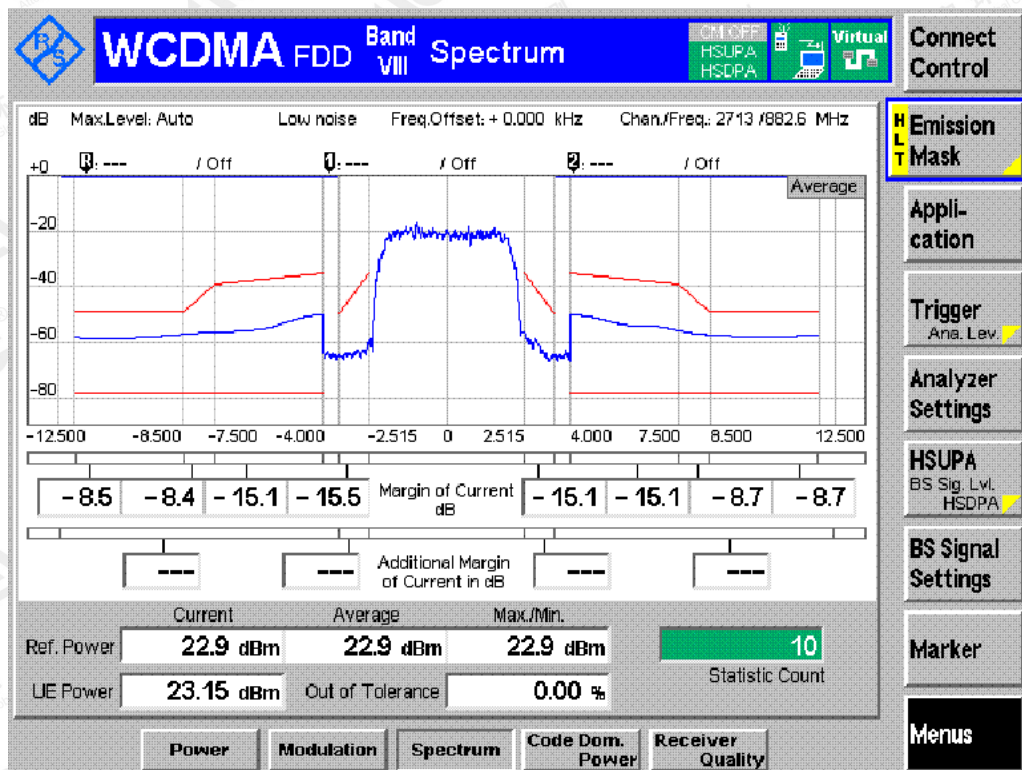


Sub-test 4



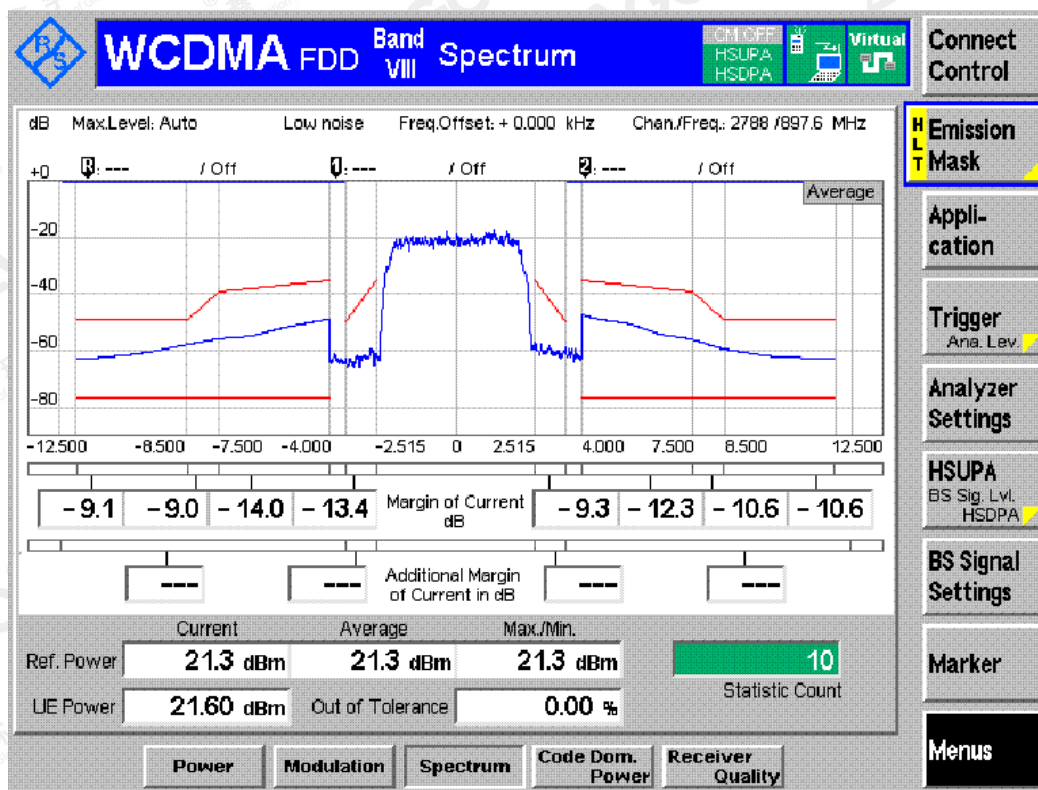
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Sub-test 5



Channel MCH

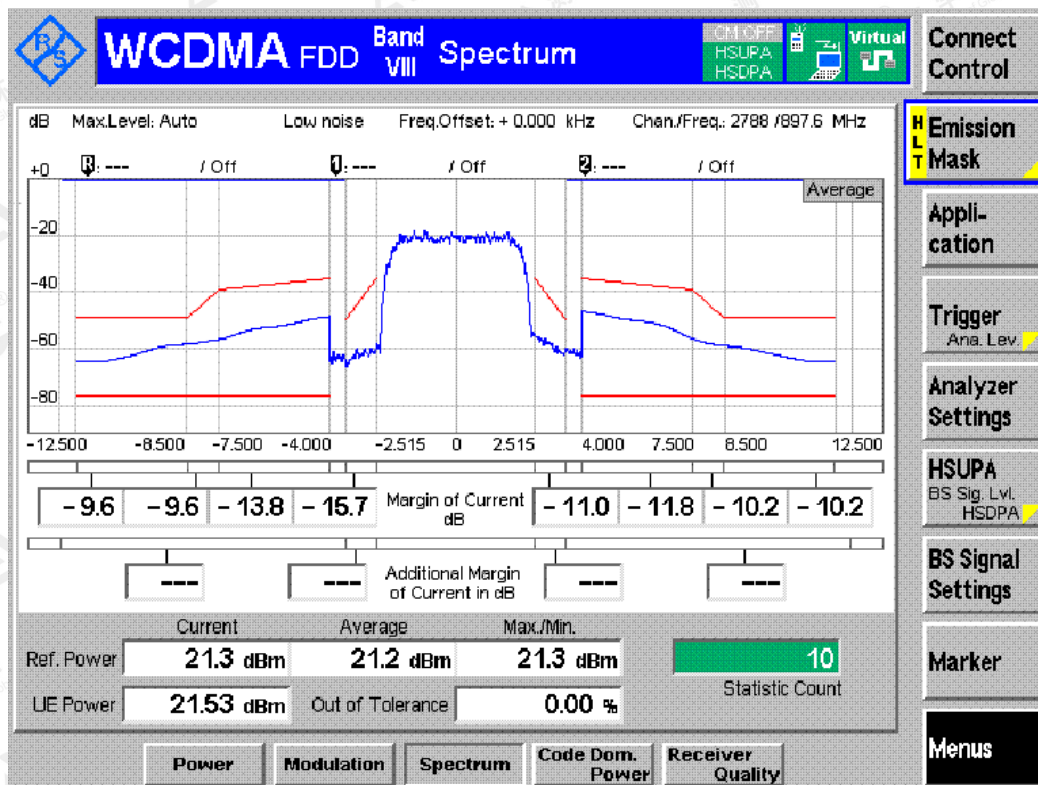
Sub-test 1



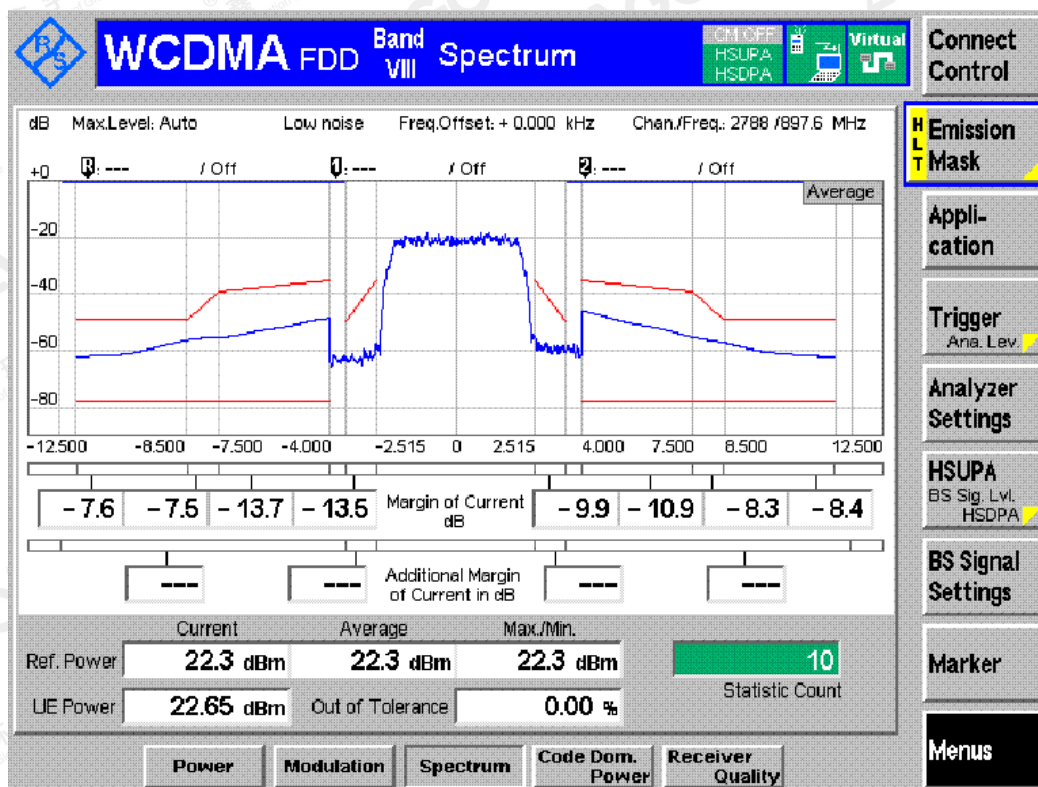
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Sub-test 2



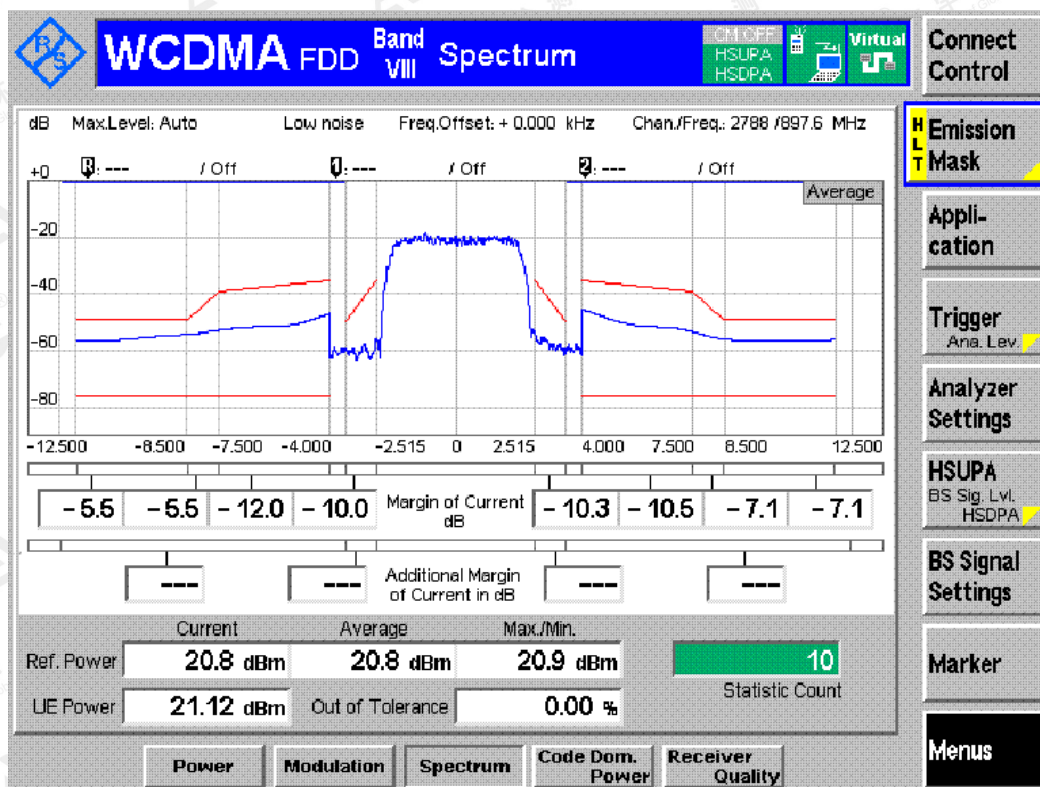
Sub-test 3



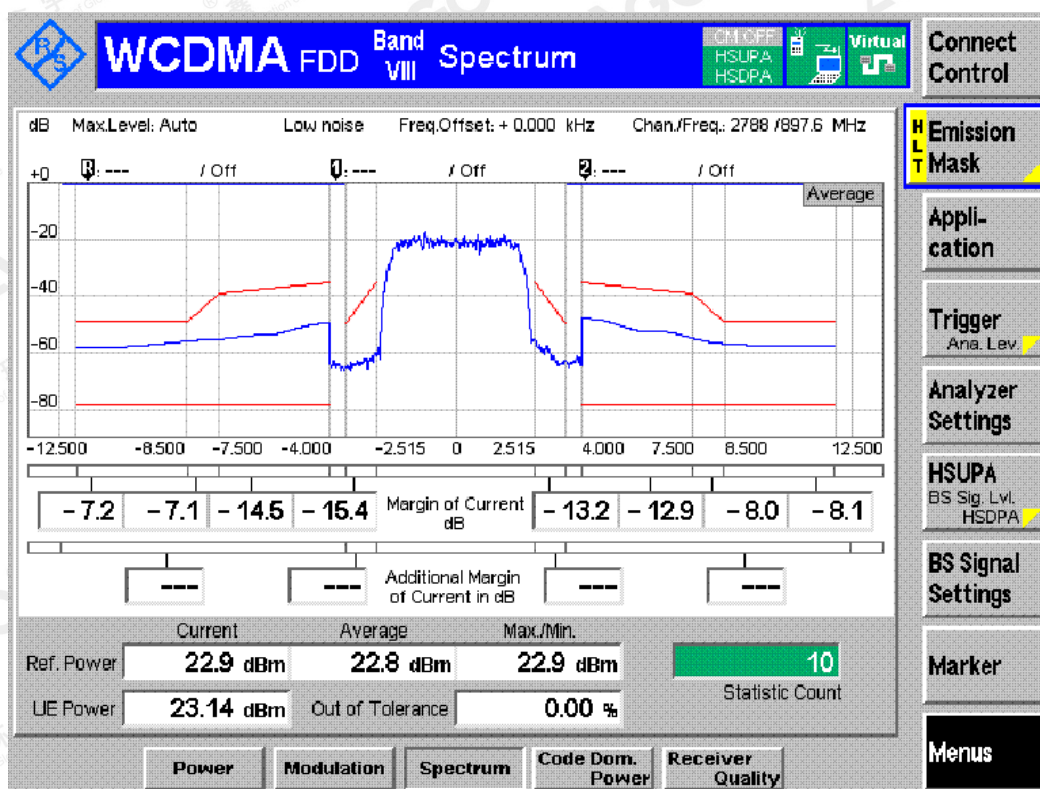
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Sub-test 4



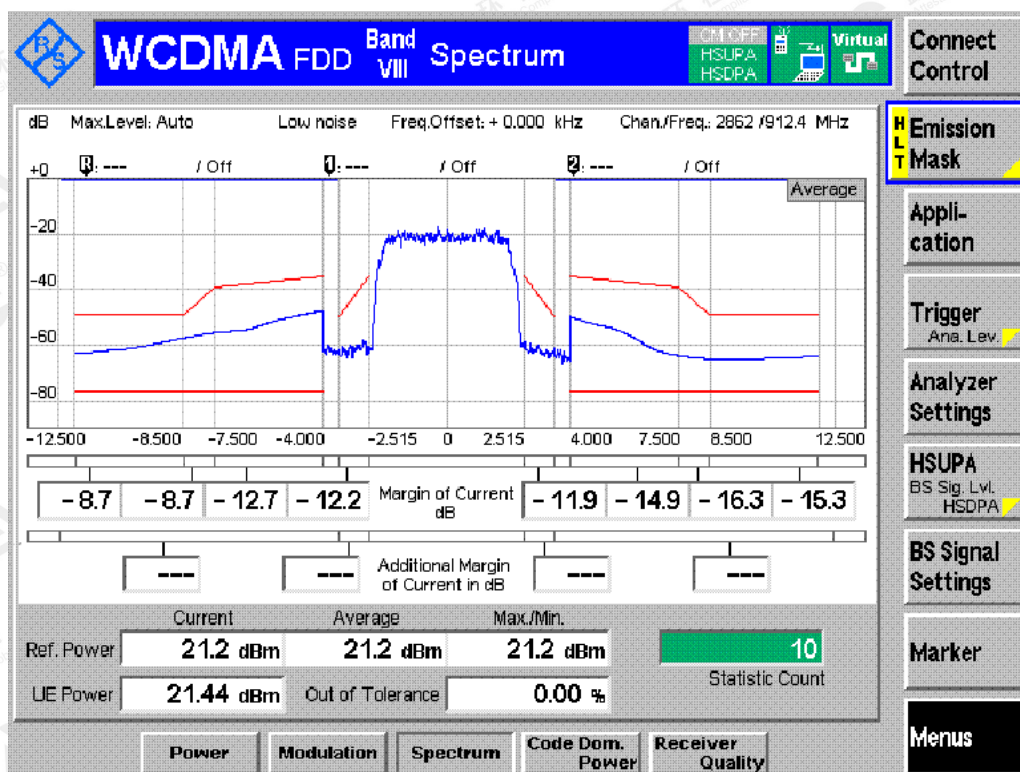
Sub-test 5



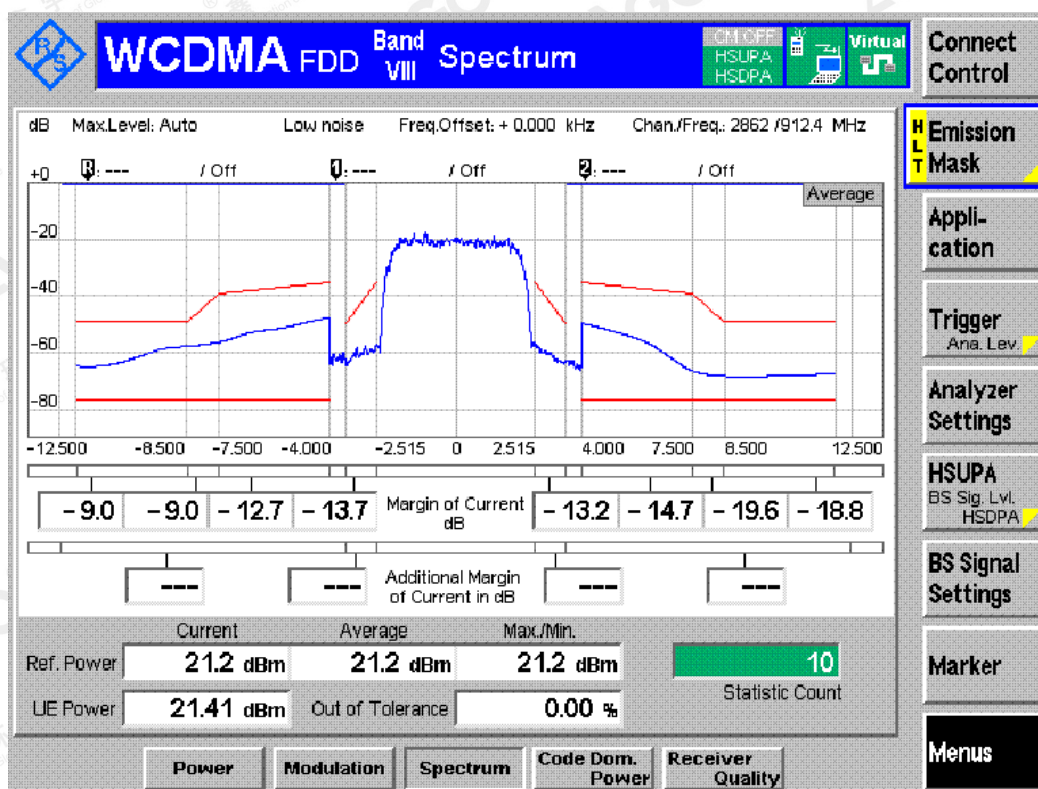
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## Channel HCH

### Sub-test 1



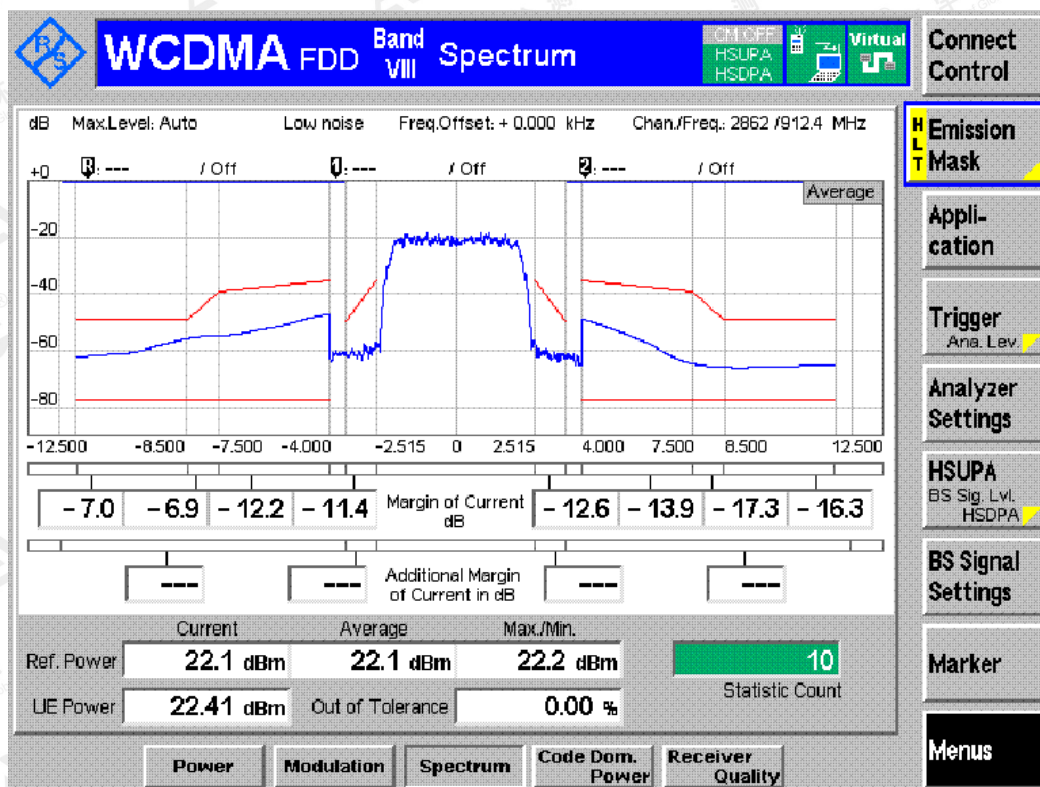
### Sub-test 2



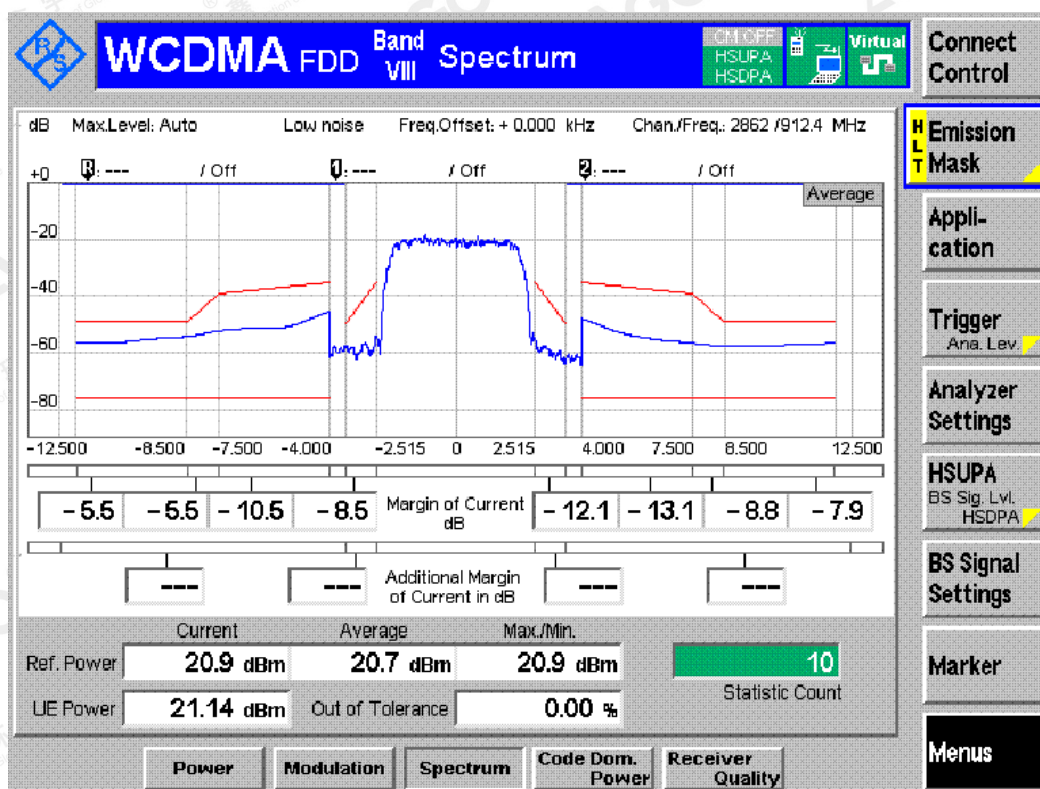
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Sub-test 3



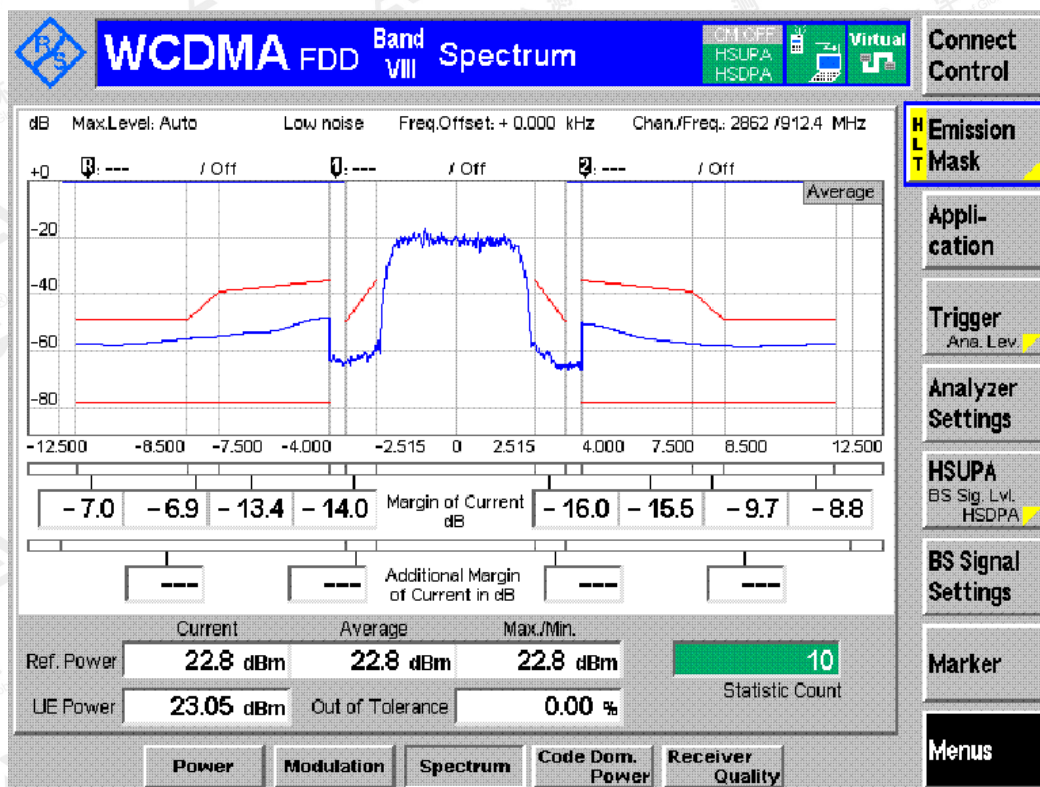
Sub-test 4



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Sub-test 5



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## Appendix K. Transmitter adjacent channel leakage power ratio with HS-DPPCH and E-DCH

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I&BAND VIII TNVN ) of fellow:

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band I	TNVN	LCH	1	+5MHz	-46.54	-32.2	Pass
				-5 MHz	-45.92	-32.2	Pass
				-10MHz	-56.87	-42.2	Pass
				+10MHz	-56.35	-42.2	Pass
			2	+5MHz	-45.63	-32.2	Pass
				-5 MHz	-43.77	-32.2	Pass
				-10MHz	-57.04	-42.2	Pass
				+10MHz	-56.35	-42.2	Pass
			3	+5MHz	-45.24	-32.2	Pass
				-5 MHz	-43.31	-32.2	Pass
				-10MHz	-55.45	-42.2	Pass
				+10MHz	-55.19	-42.2	Pass
		MCH	4	+5MHz	-43.62	-32.2	Pass
				-5 MHz	-42.86	-32.2	Pass
				-10MHz	-50.93	-42.2	Pass
				+10MHz	-50.63	-42.2	Pass
			5	+5MHz	-47.44	-32.2	Pass
				-5 MHz	-45.48	-32.2	Pass
				-10MHz	-51.56	-42.2	Pass
				+10MHz	-51.20	-42.2	Pass
			1	+5MHz	-52.22	-32.2	Pass
				-5 MHz	-49.15	-32.2	Pass
				-10MHz	-56.25	-42.2	Pass
				+10MHz	-56.75	-42.2	Pass
			2	+5MHz	-49.21	-32.2	Pass
				-5 MHz	-46.37	-32.2	Pass
				-10MHz	-56.96	-42.2	Pass
				+10MHz	-57.54	-42.2	Pass
			3	+5MHz	-47.24	-32.2	Pass
				-5 MHz	-45.52	-32.2	Pass

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					-10MHz	-55.31	-42.2	Pass
					+10MHz	-55.84	-42.2	Pass
					4	+5MHz	-47.62	Pass
						-5 MHz	-45.50	Pass
						-10MHz	-50.24	Pass
						+10MHz	-50.27	Pass
					5	+5MHz	-48.43	Pass
						-5 MHz	-46.66	Pass
						-10MHz	-50.81	Pass
						+10MHz	-50.71	Pass
		HCH	1		+5MHz	-51.40	-32.2	Pass
					-5 MHz	-46.23	-32.2	Pass
					-10MHz	-55.93	-42.2	Pass
					+10MHz	-56.95	-42.2	Pass
			2		+5MHz	-44.91	-32.2	Pass
					-5 MHz	-42.30	-32.2	Pass
					-10MHz	-56.22	-42.2	Pass
					+10MHz	-58.32	-42.2	Pass
			3		+5MHz	-43.43	-32.2	Pass
					-5 MHz	-41.03	-32.2	Pass
					-10MHz	-54.38	-42.2	Pass
					+10MHz	-56.38	-42.2	Pass
			4		+5MHz	-47.13	-32.2	Pass
					-5 MHz	-42.87	-32.2	Pass
					-10MHz	-50.02	-42.2	Pass
					+10MHz	-50.17	-42.2	Pass
			5		+5MHz	-45.66	-32.2	Pass
					-5 MHz	-43.22	-32.2	Pass
					-10MHz	-50.43	-42.2	Pass
					+10MHz	-50.90	-42.2	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band VIII	TNVN	LCH	1	+5MHz	-45.58	-32.2	Pass
				-5 MHz	-45.91	-32.2	Pass
				-10MHz	-58.06	-42.2	Pass
				+10MHz	-57.02	-42.2	Pass

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		MCH	2	+5MHz	-44.69	-32.2	Pass
				-5 MHz	-45.84	-32.2	Pass
				-10MHz	-60.07	-42.2	Pass
				+10MHz	-57.51	-42.2	Pass
			3	+5MHz	-44.25	-32.2	Pass
				-5 MHz	-45.49	-32.2	Pass
				-10MHz	-57.92	-42.2	Pass
				+10MHz	-55.70	-42.2	Pass
			4	+5MHz	-43.47	-32.2	Pass
				-5 MHz	-43.92	-32.2	Pass
				-10MHz	-51.30	-42.2	Pass
				+10MHz	-51.16	-42.2	Pass
			5	+5MHz	-46.07	-32.2	Pass
				-5 MHz	-46.51	-32.2	Pass
				-10MHz	-52.76	-42.2	Pass
				+10MHz	-52.49	-42.2	Pass
		HCH	1	+5MHz	-43.50	-32.2	Pass
				-5 MHz	-45.17	-32.2	Pass
				-10MHz	-54.83	-42.2	Pass
				+10MHz	-56.04	-42.2	Pass
			2	+5MHz	-42.69	-32.2	Pass
				-5 MHz	-44.67	-32.2	Pass
				-10MHz	-55.31	-42.2	Pass
				+10MHz	-55.78	-42.2	Pass
			3	+5MHz	-42.26	-32.2	Pass
				-5 MHz	-44.76	-32.2	Pass
				-10MHz	-53.63	-42.2	Pass
				+10MHz	-54.59	-42.2	Pass
			4	+5MHz	-41.99	-32.2	Pass
				-5 MHz	-43.05	-32.2	Pass
				-10MHz	-50.07	-42.2	Pass
				+10MHz	-50.93	-42.2	Pass
			5	+5MHz	-44.05	-32.2	Pass
				-5 MHz	-45.68	-32.2	Pass
				-10MHz	-51.87	-42.2	Pass
				+10MHz	-52.11	-42.2	Pass
		HCH	1	+5MHz	-46.41	-32.2	Pass

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				-5 MHz	-44.03	-32.2	Pass
				-10MHz	-54.63	-42.2	Pass
				+10MHz	-59.61	-42.2	Pass
			2	+5MHz	-45.91	-32.2	Pass
				-5 MHz	-43.82	-32.2	Pass
				-10MHz	-55.05	-42.2	Pass
				+10MHz	-62.97	-42.2	Pass
			3	+5MHz	-45.55	-32.2	Pass
				-5 MHz	-43.47	-32.2	Pass
				-10MHz	-53.27	-42.2	Pass
				+10MHz	-60.55	-42.2	Pass
			4	+5MHz	-44.74	-32.2	Pass
				-5 MHz	-42.22	-32.2	Pass
				-10MHz	-50.25	-42.2	Pass
				+10MHz	-52.06	-42.2	Pass
			5	+5MHz	-46.85	-32.2	Pass
				-5 MHz	-44.81	-32.2	Pass
				-10MHz	-51.64	-42.2	Pass
				+10MHz	-52.90	-42.2	Pass

# BAND I

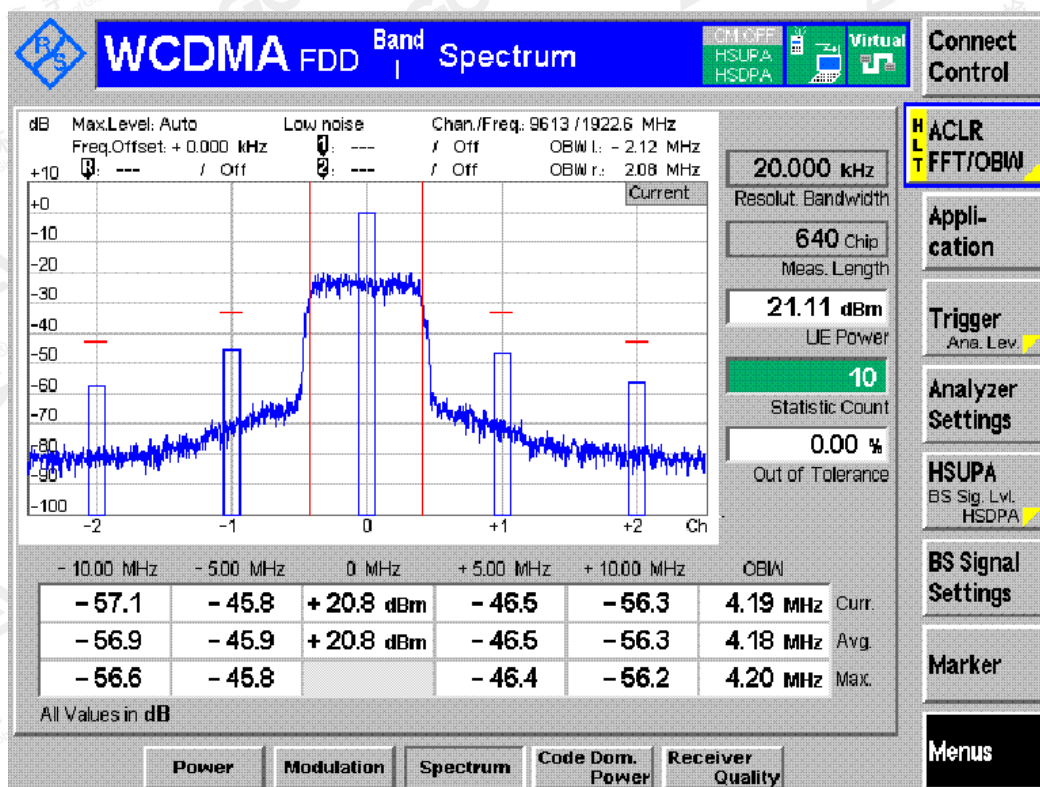
TNPN

Channel LCH  
Sub-test 1

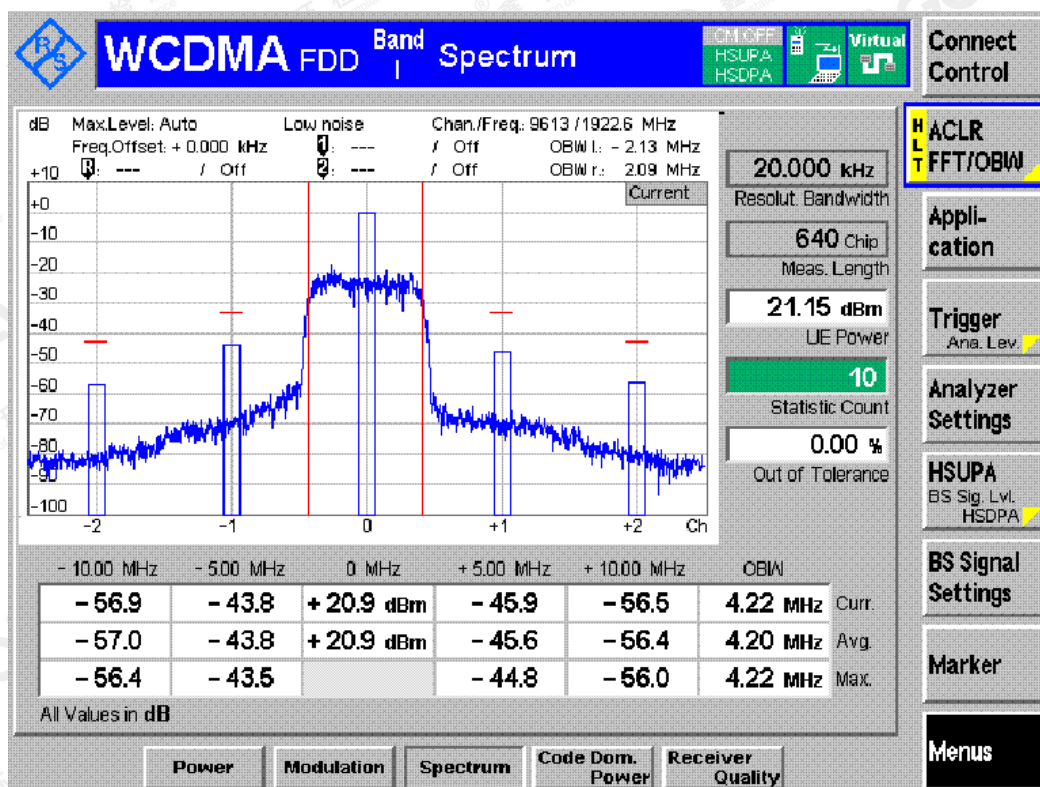
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 Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



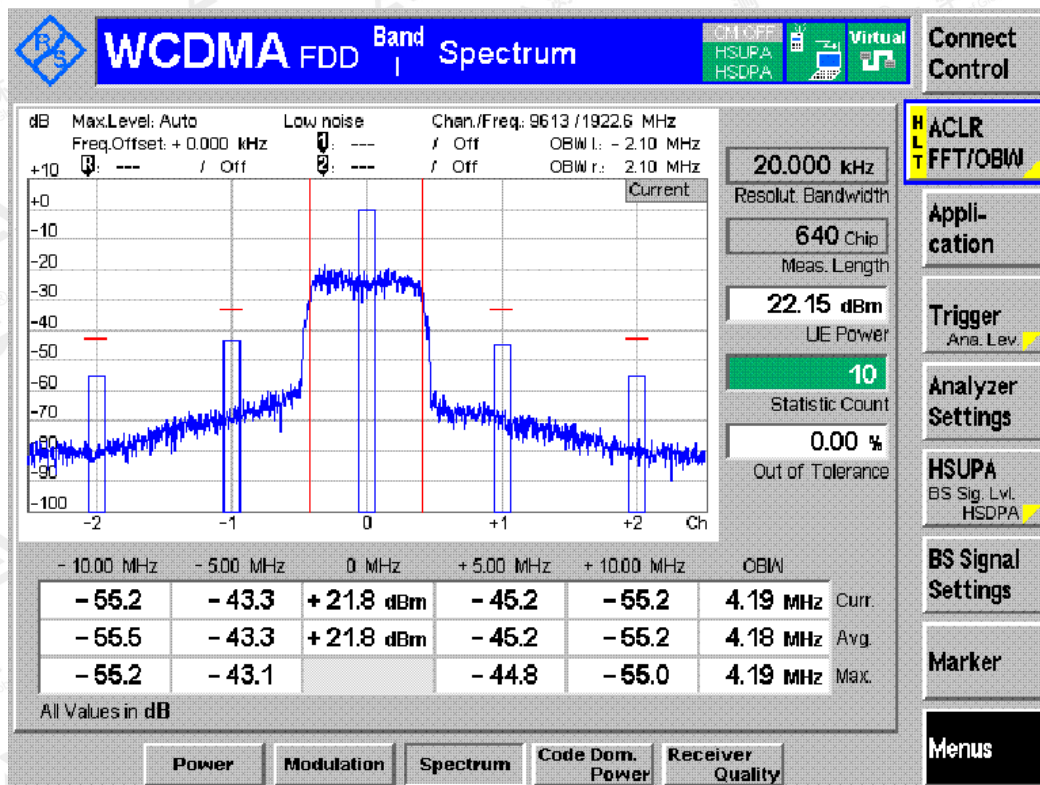
Sub-test 2



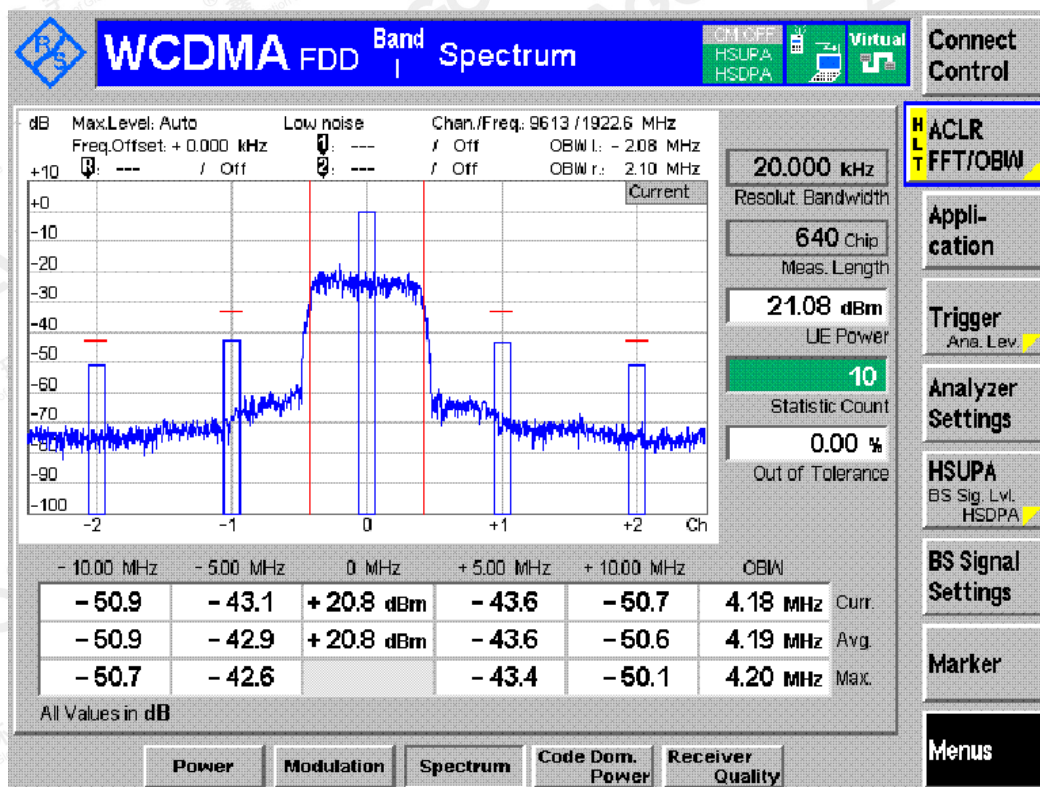
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Sub-test 3

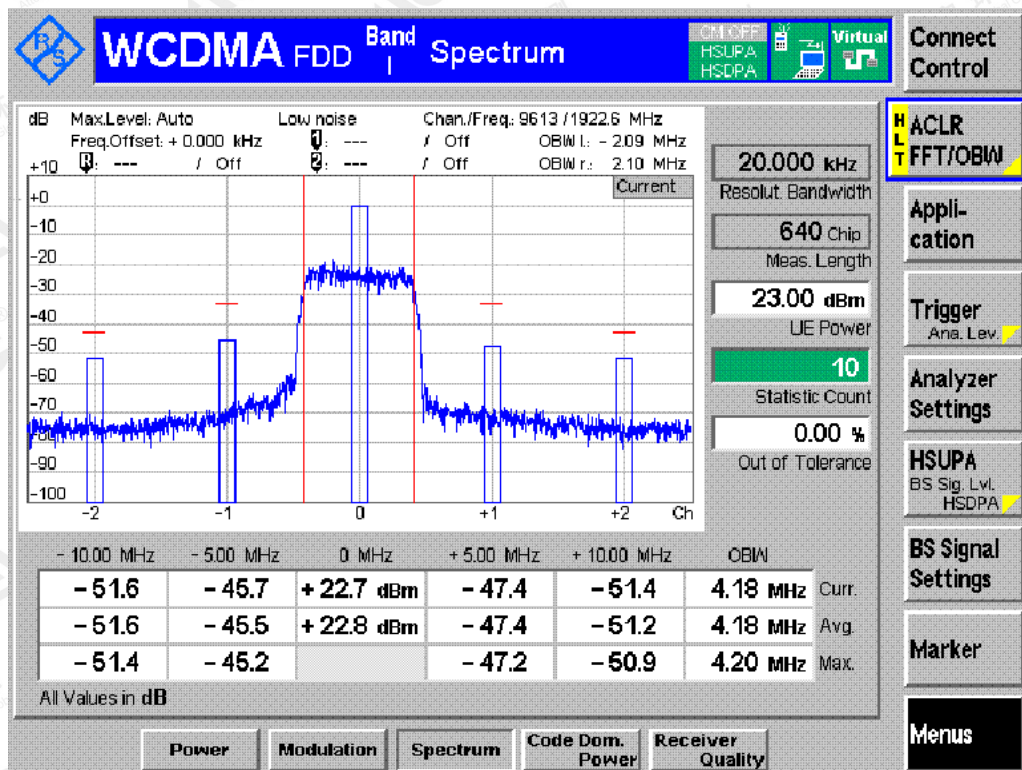


Sub-test 4



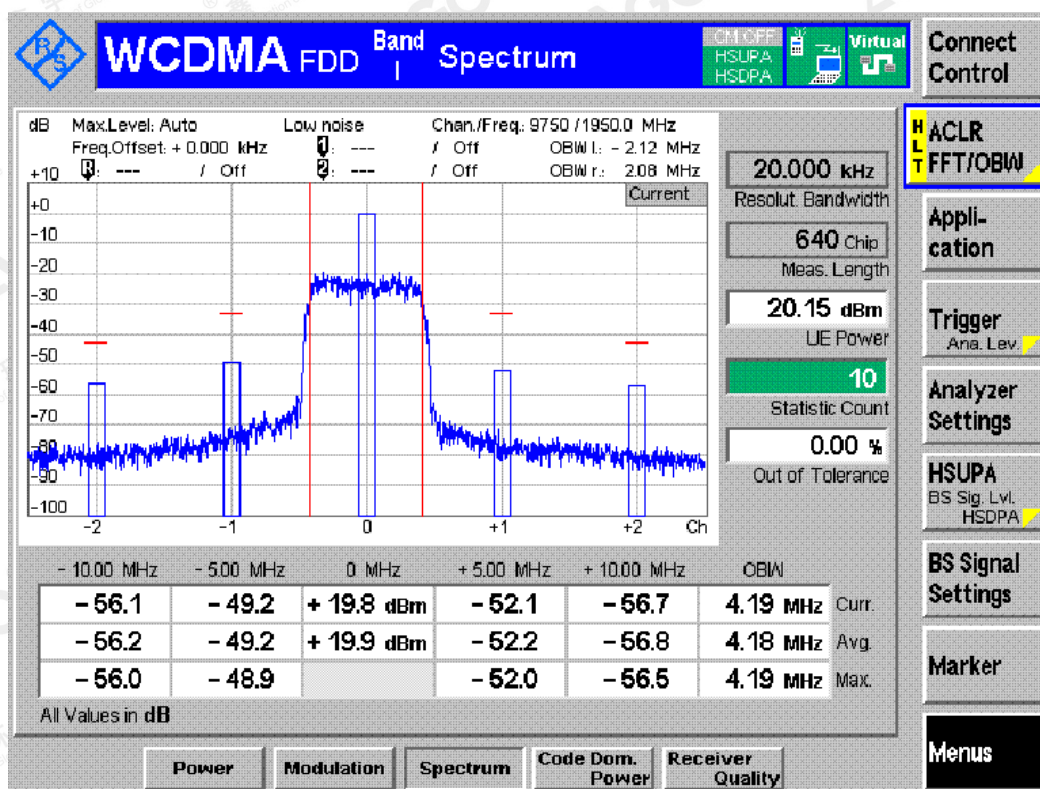
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Sub-test 5



Channel MCH

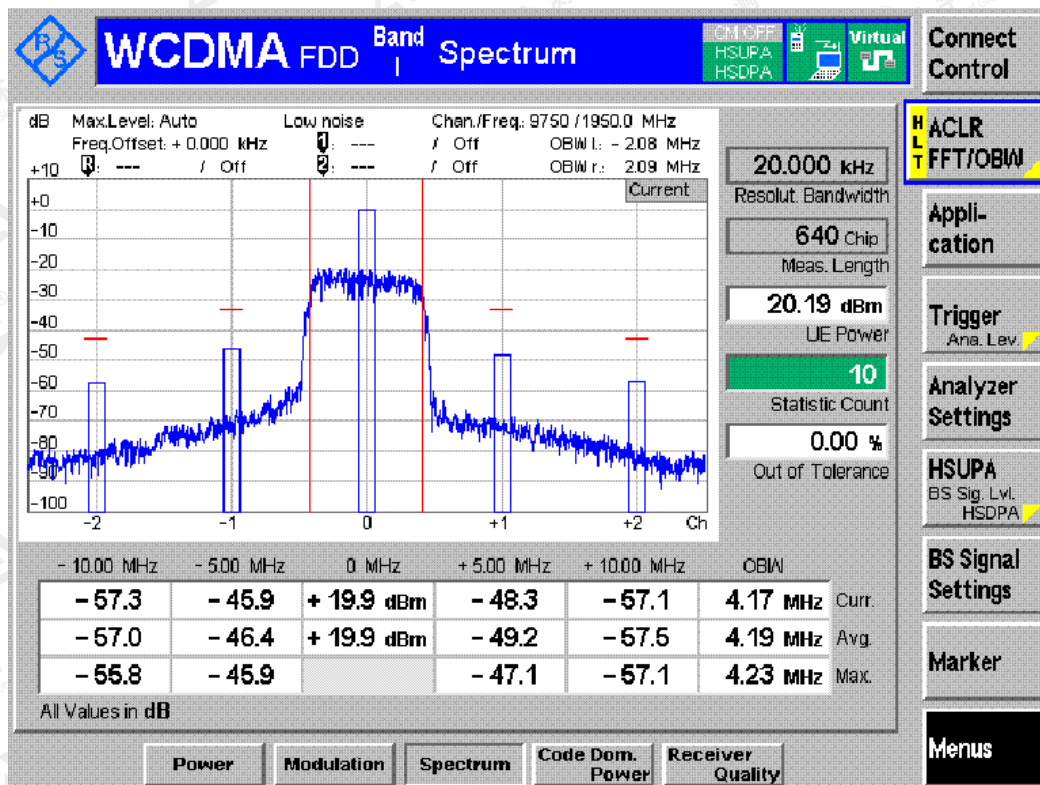
Sub-test 1



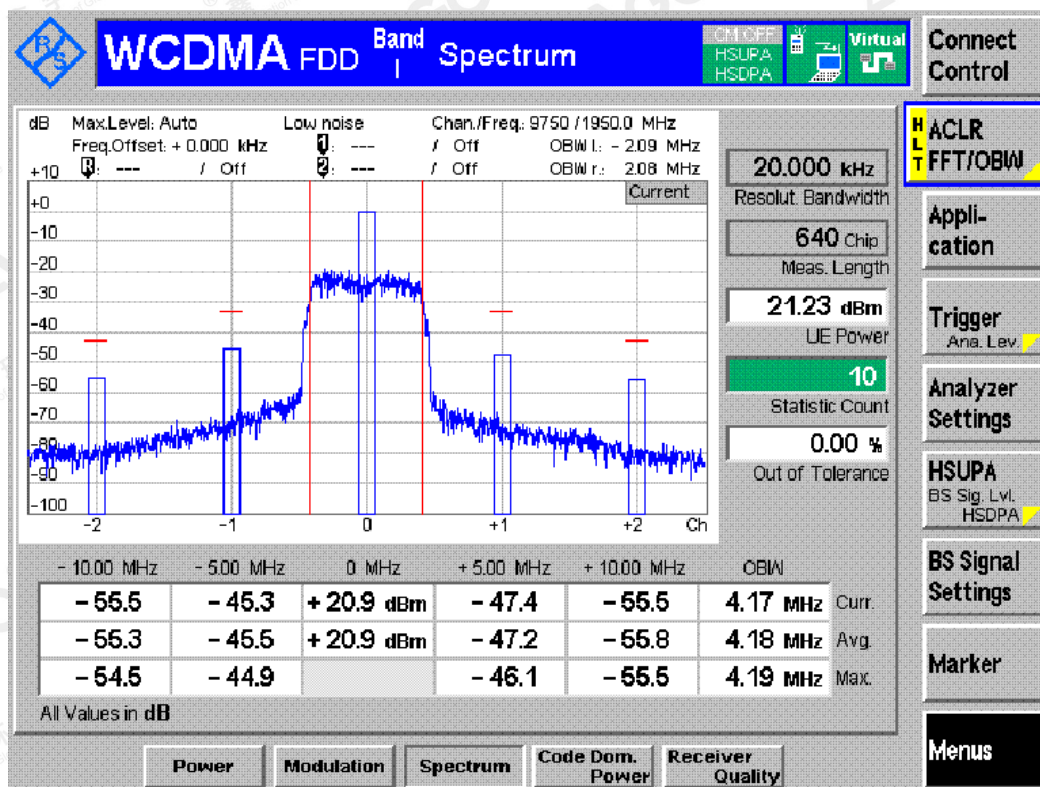
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Sub-test 2

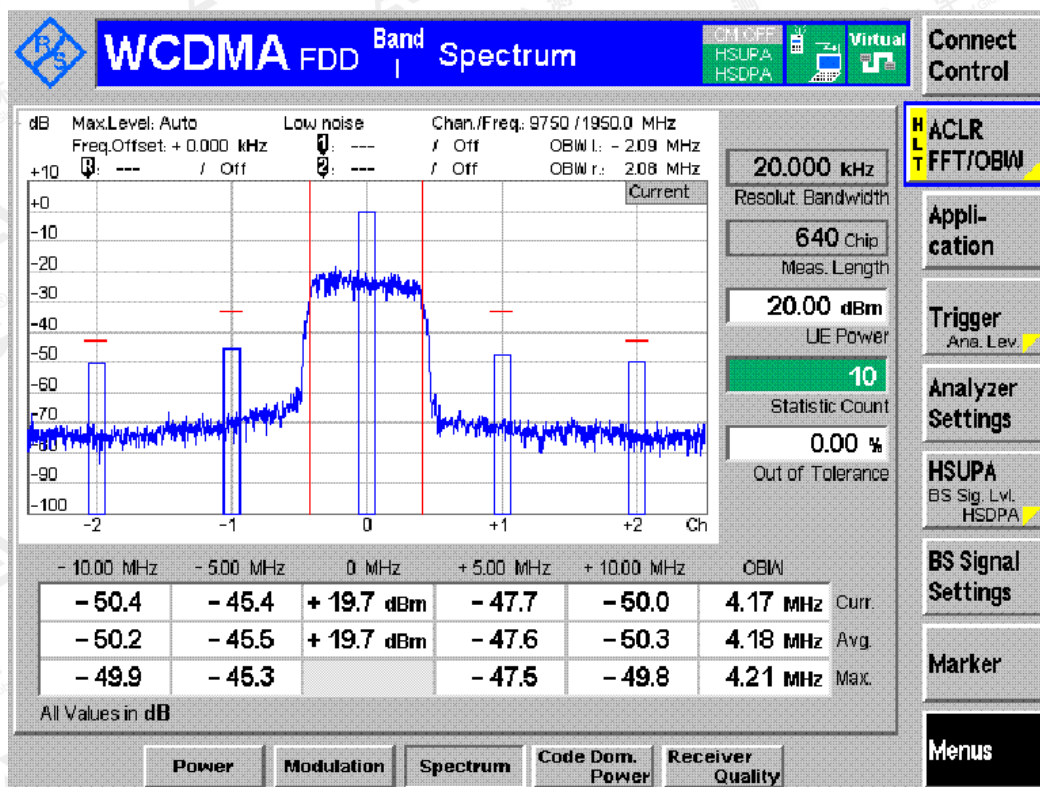


Sub-test 3

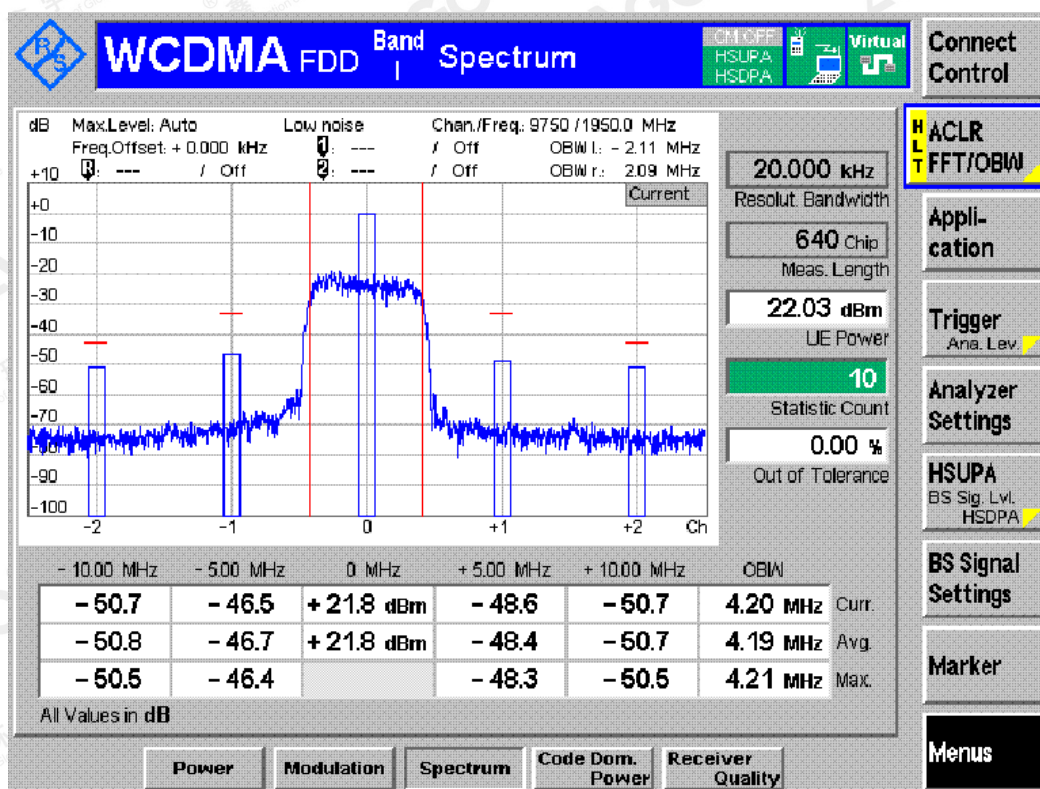


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Sub-test 4



Sub-test 5

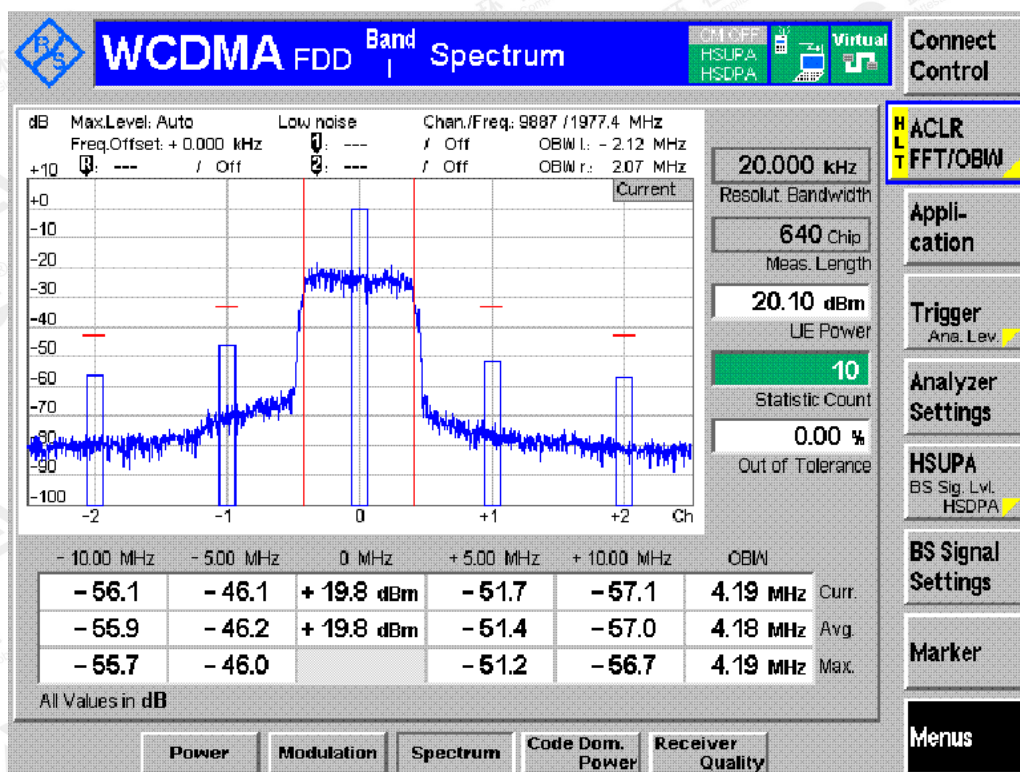


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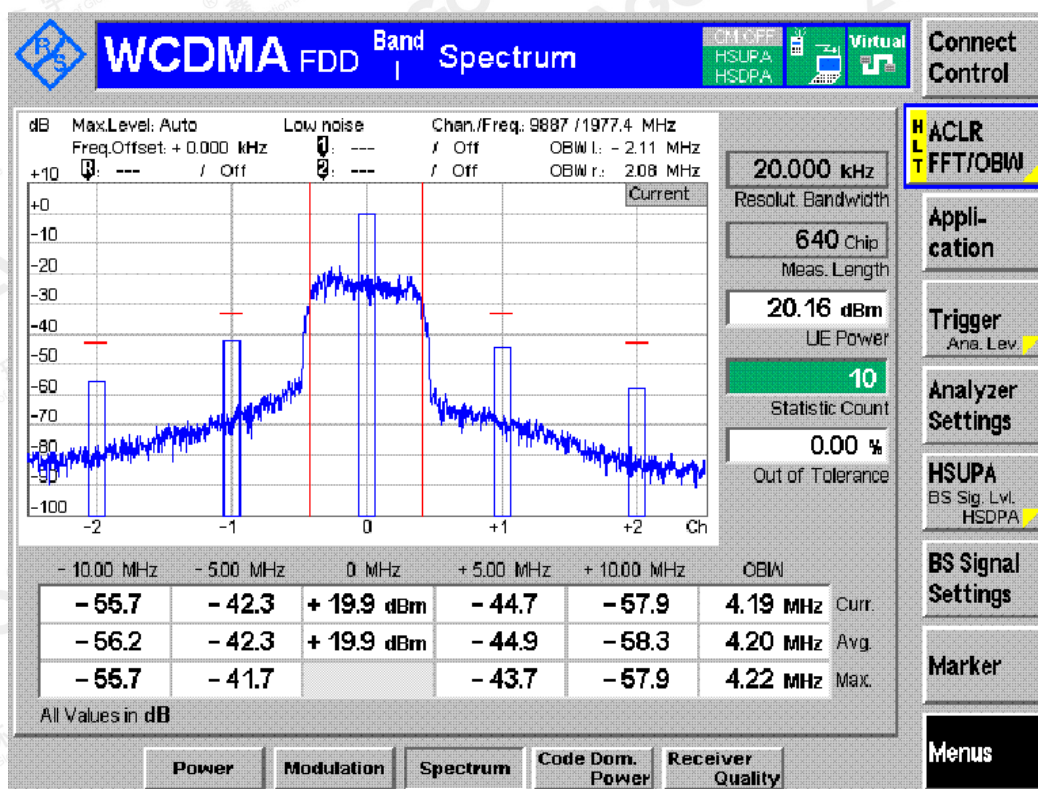


Channel HCH

Sub-test 1

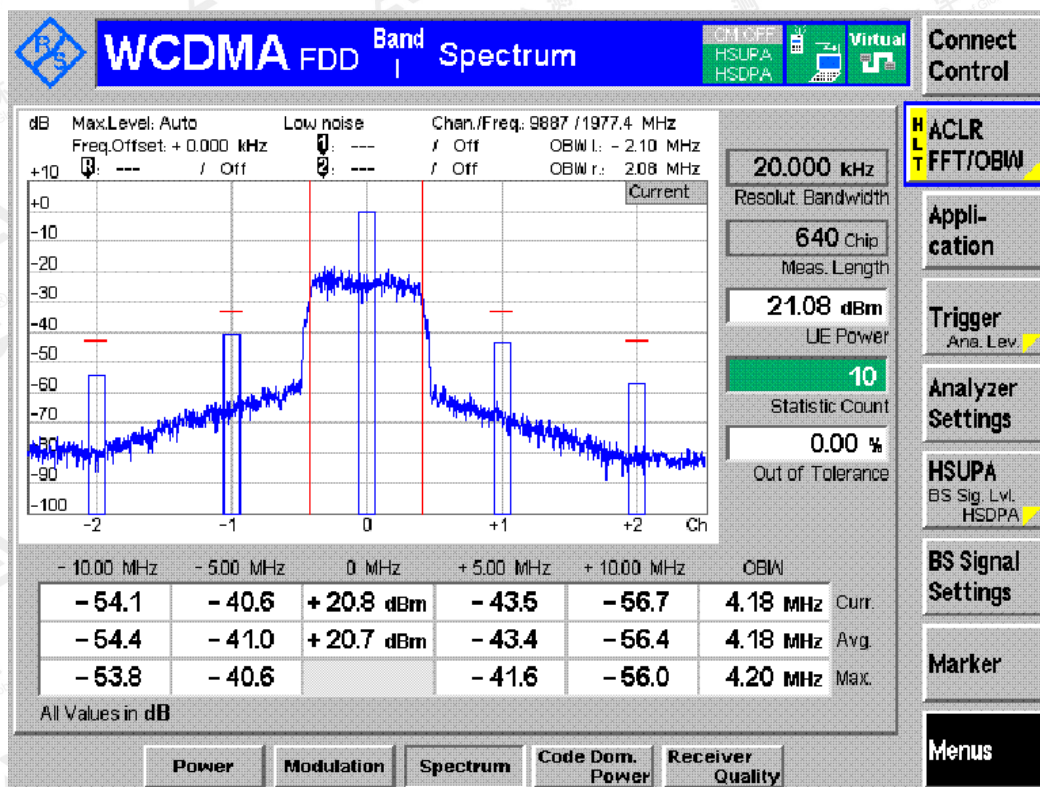


Sub-test 2

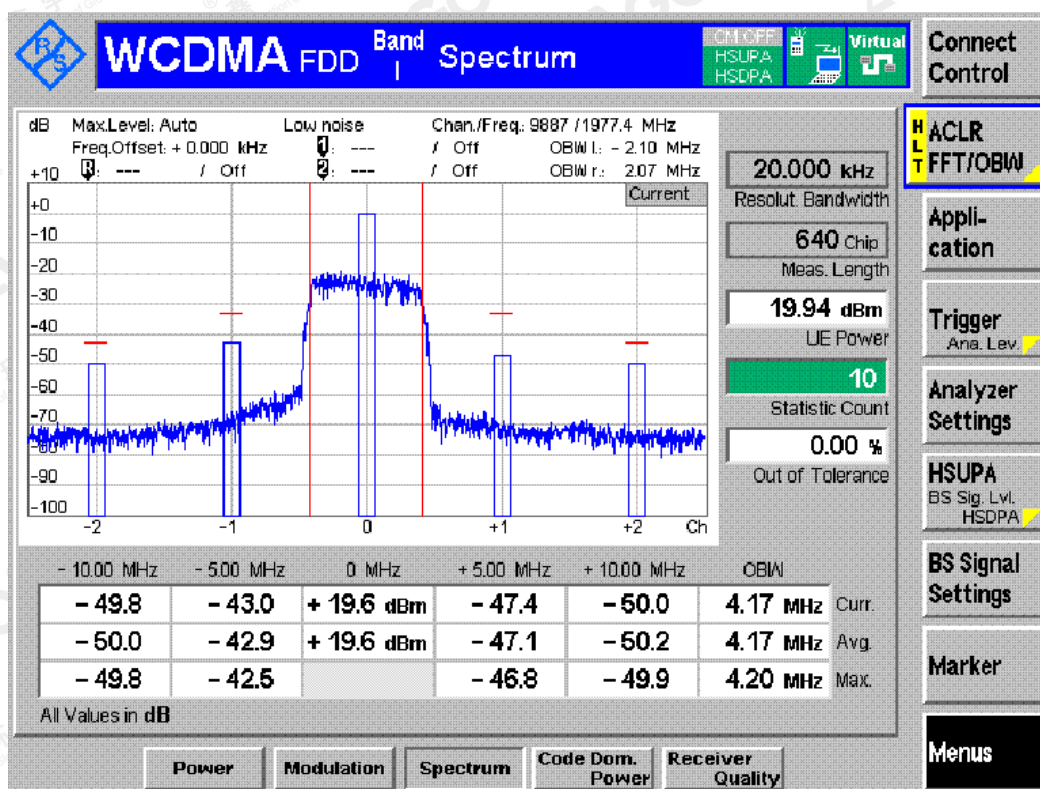


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Sub-test 3



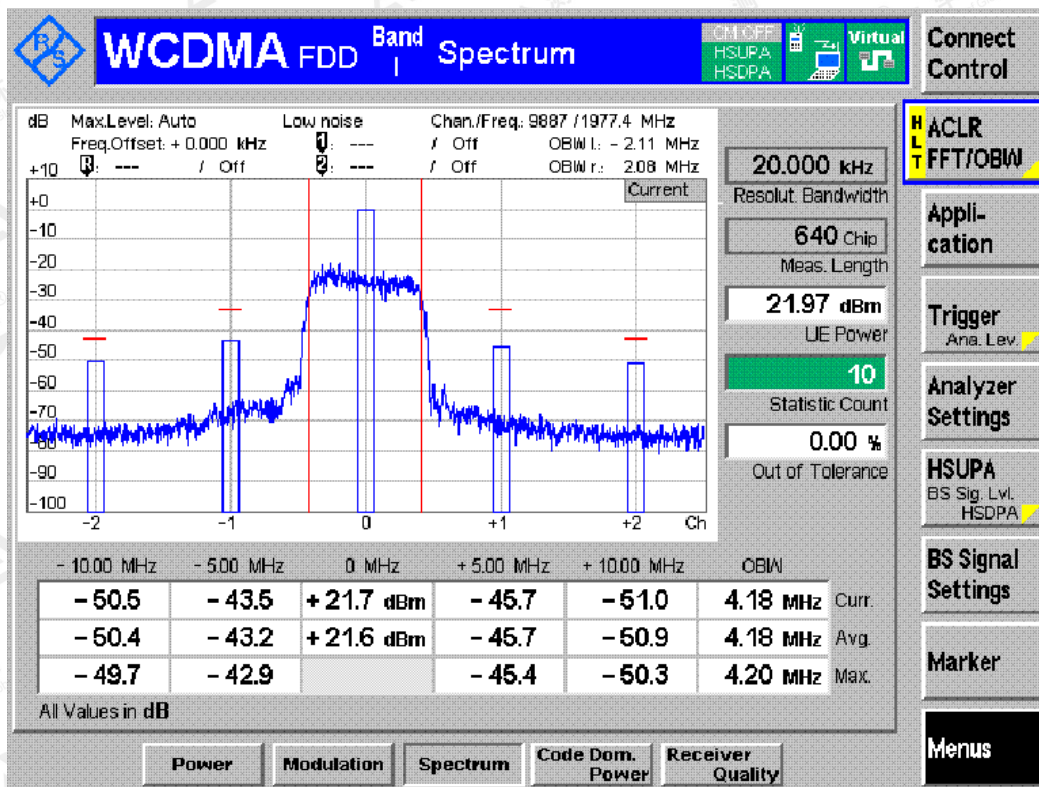
Sub-test 4



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Sub-test 5



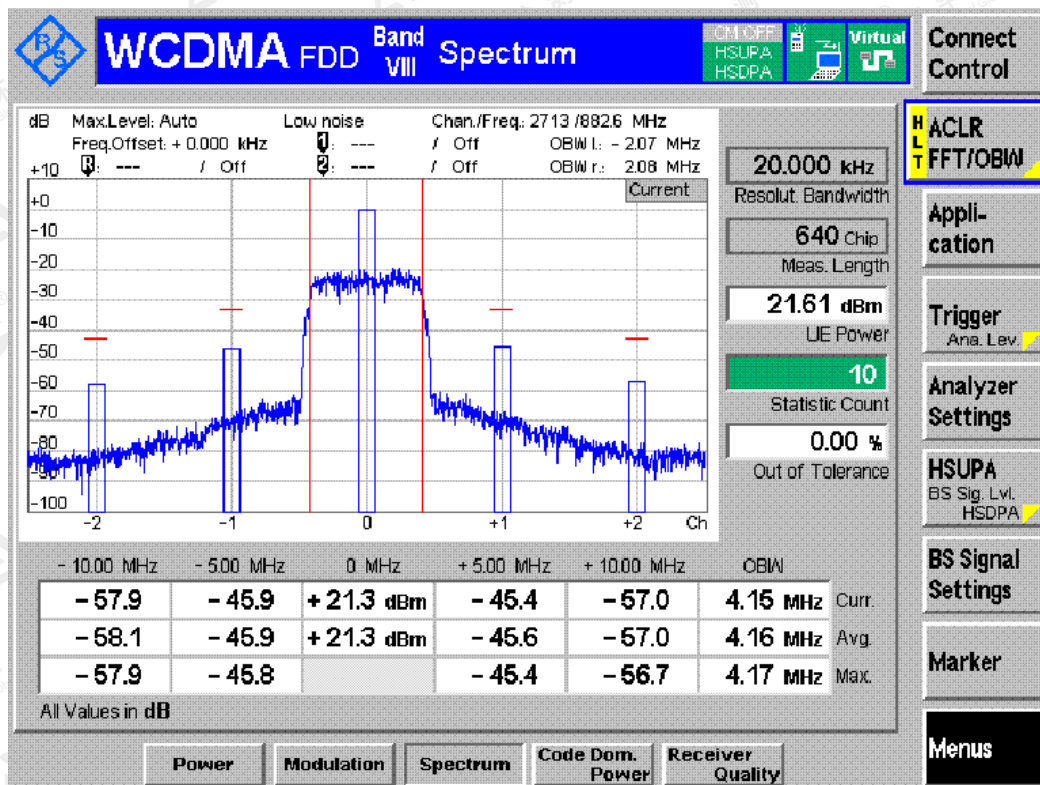
# BAND VIII

TNVN

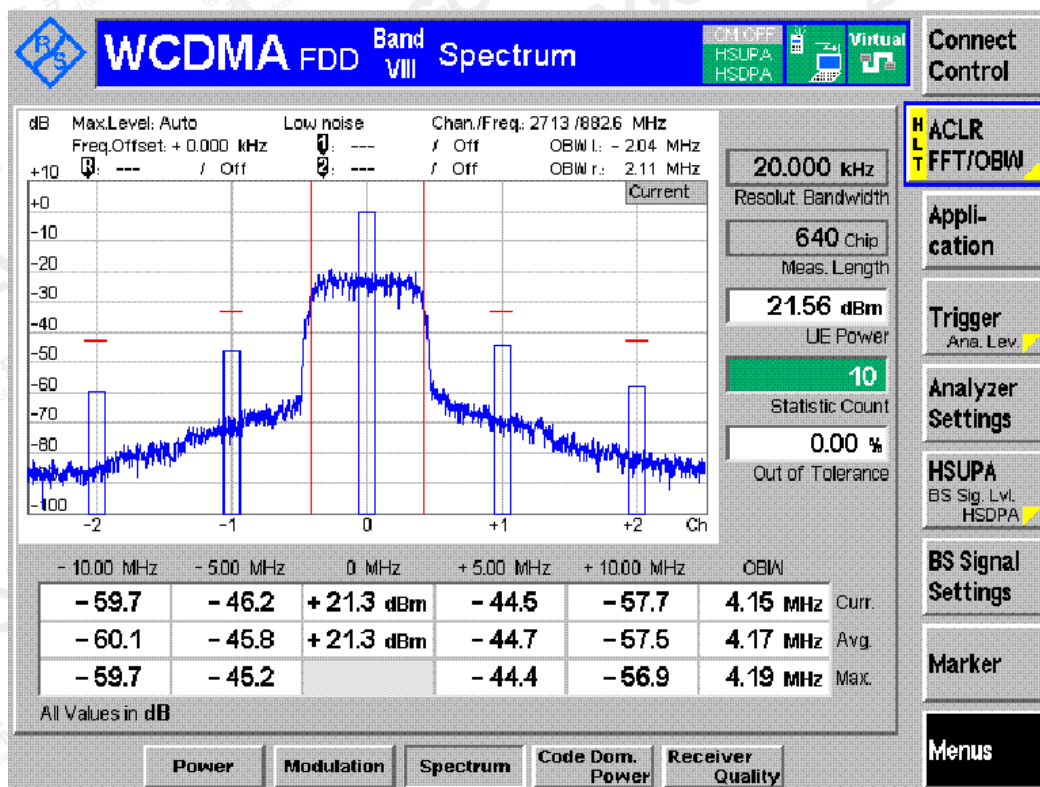
Channel LCH

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Sub-test 1



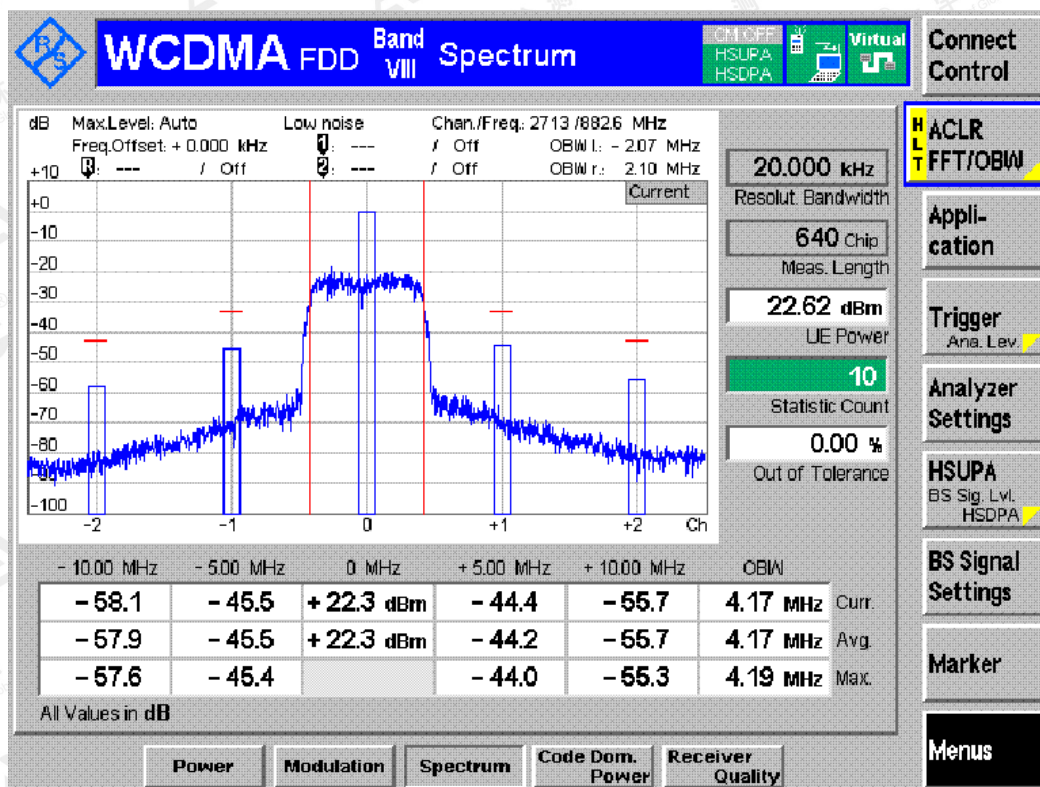
Sub-test 2



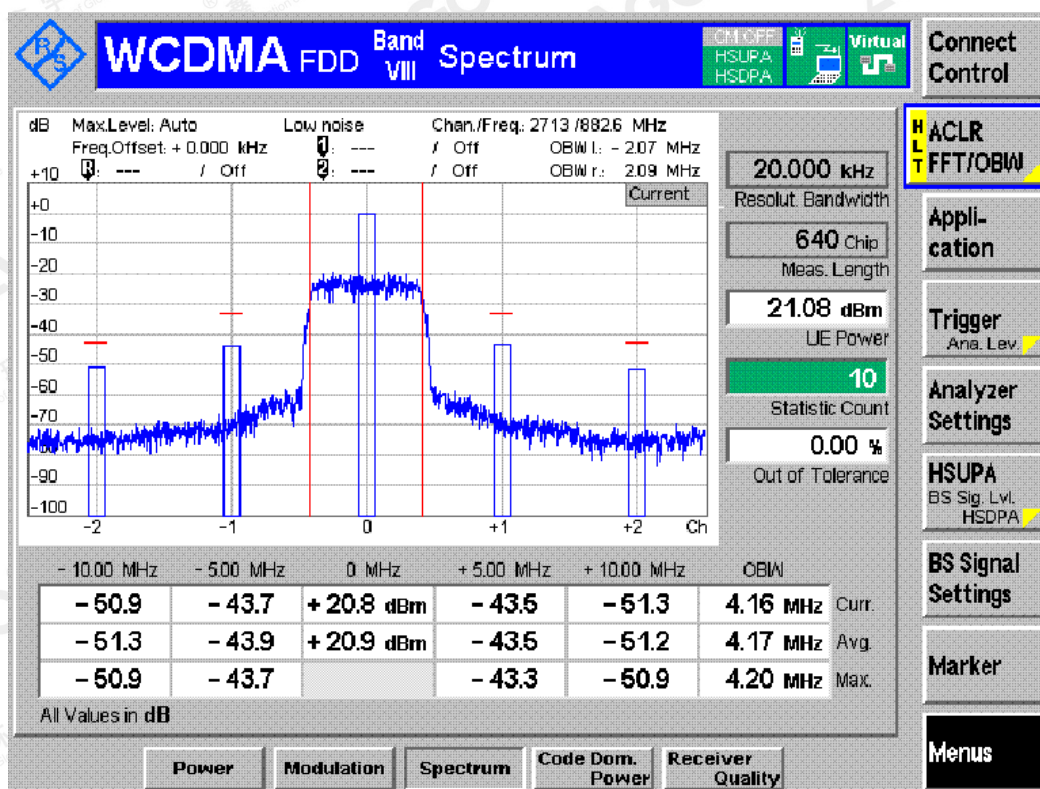
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Sub-test 3

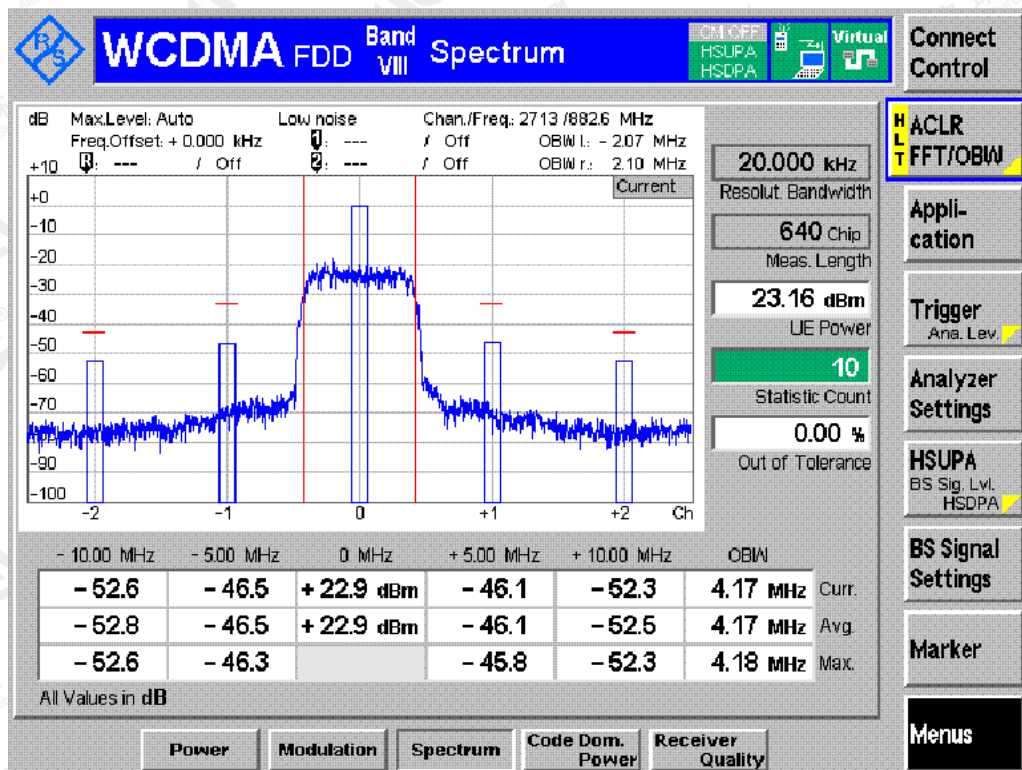


Sub-test 4



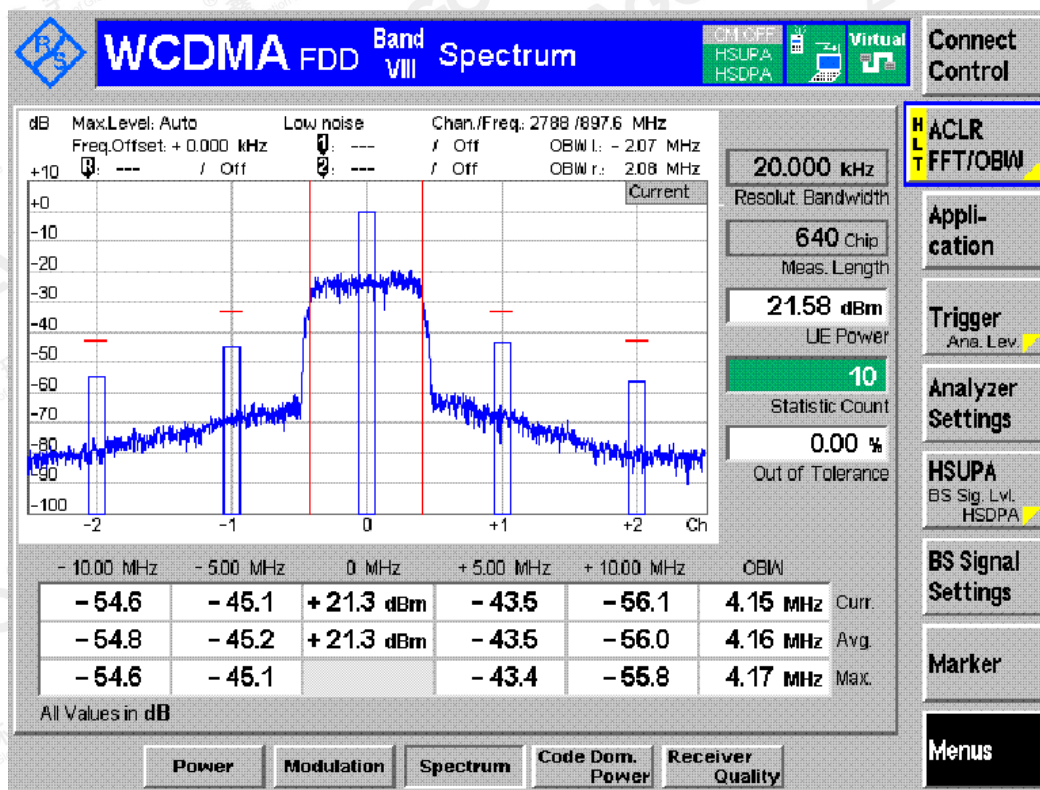
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Sub-test 5



Channel MCH

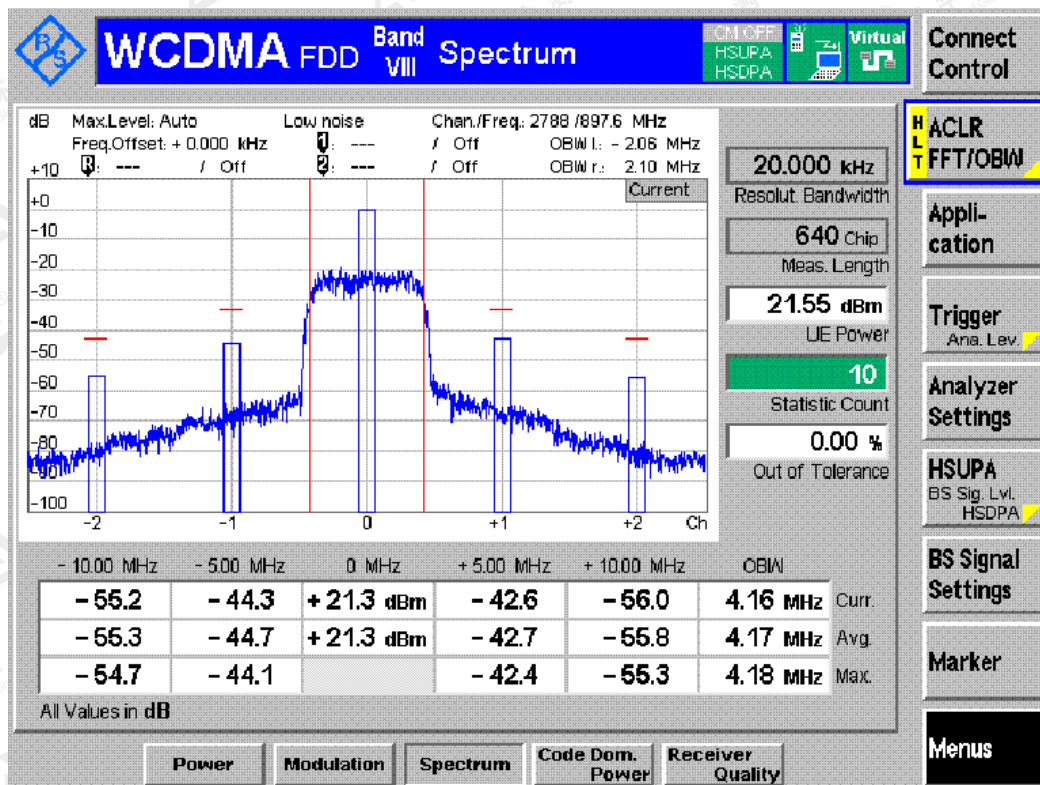
Sub-test 1



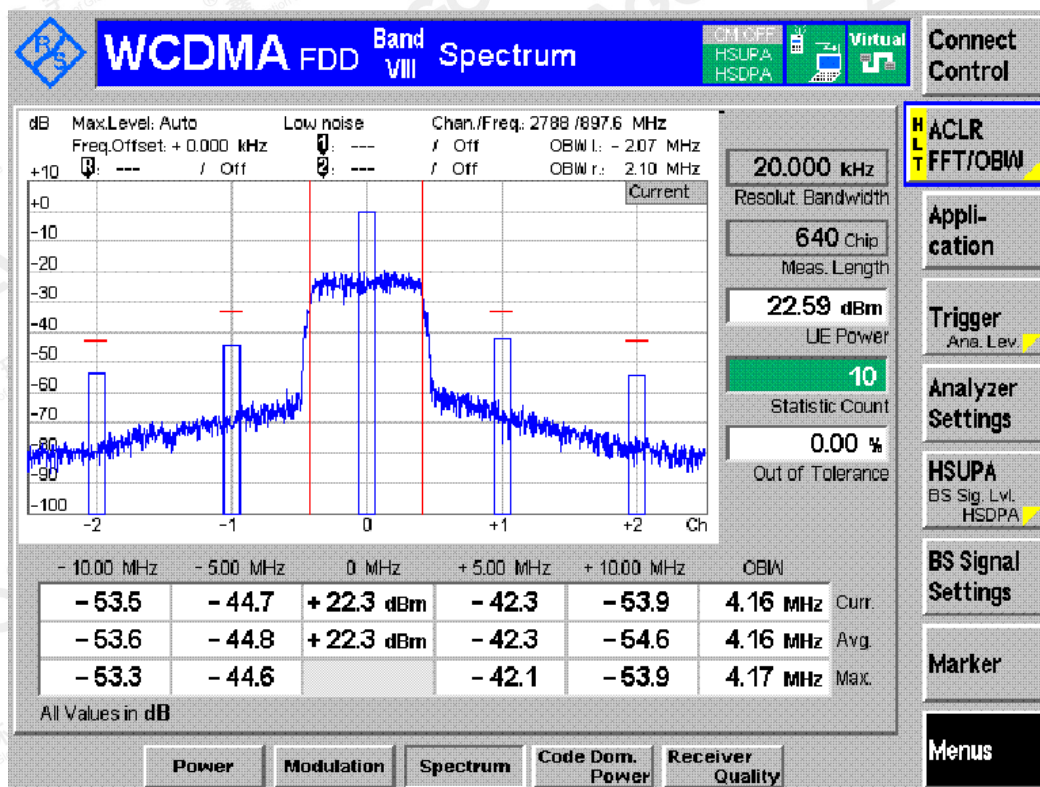
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Sub-test 2

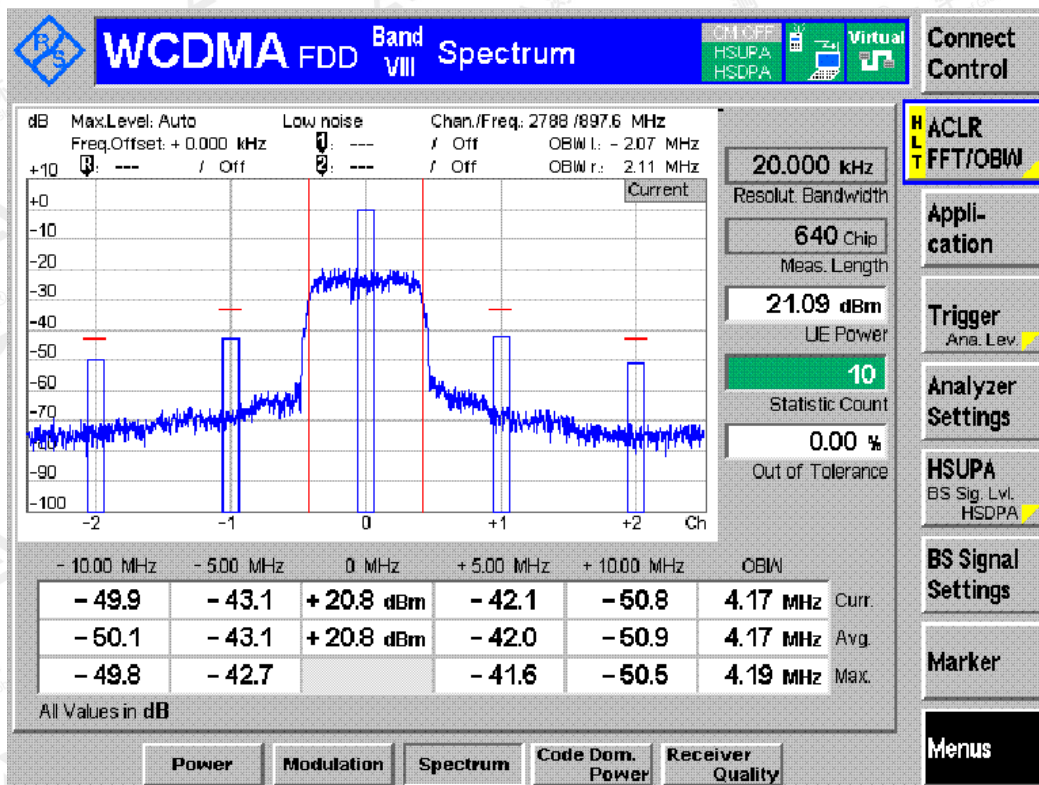


Sub-test 3

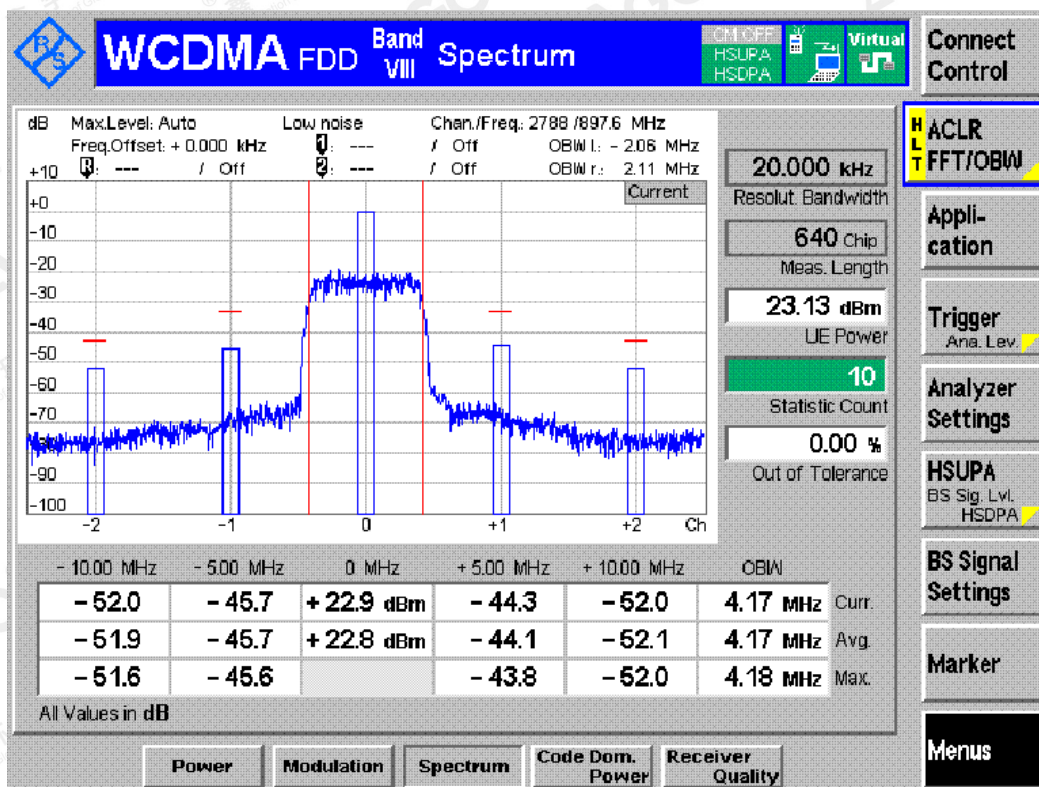


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Sub-test 4



Sub-test 5

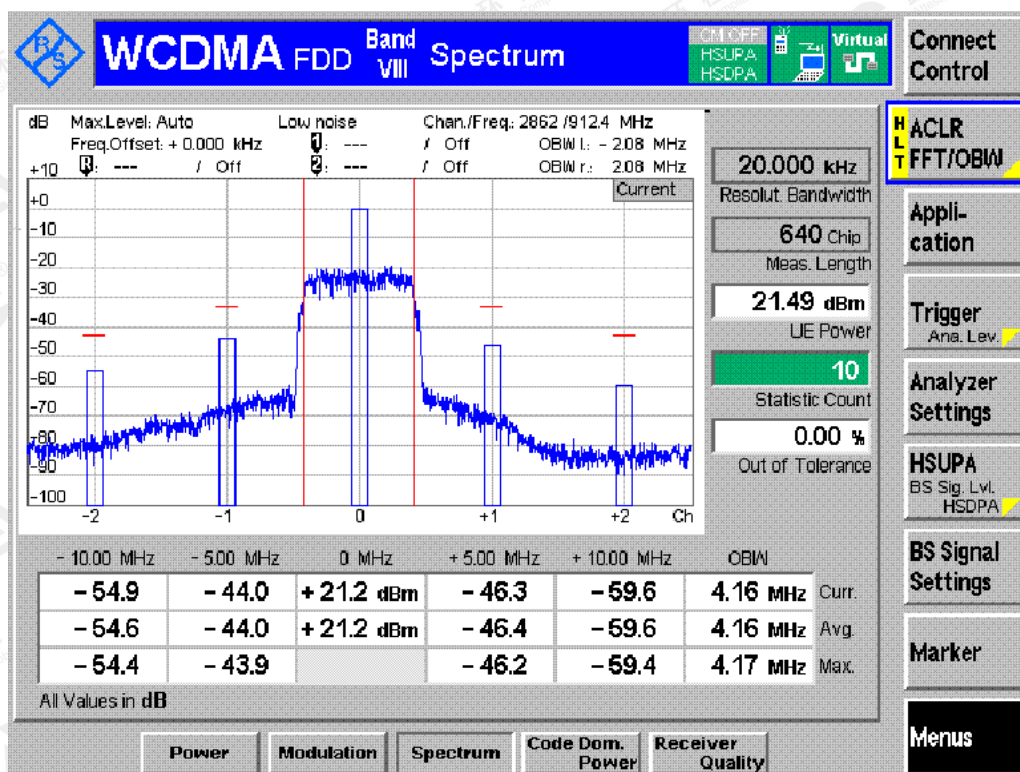


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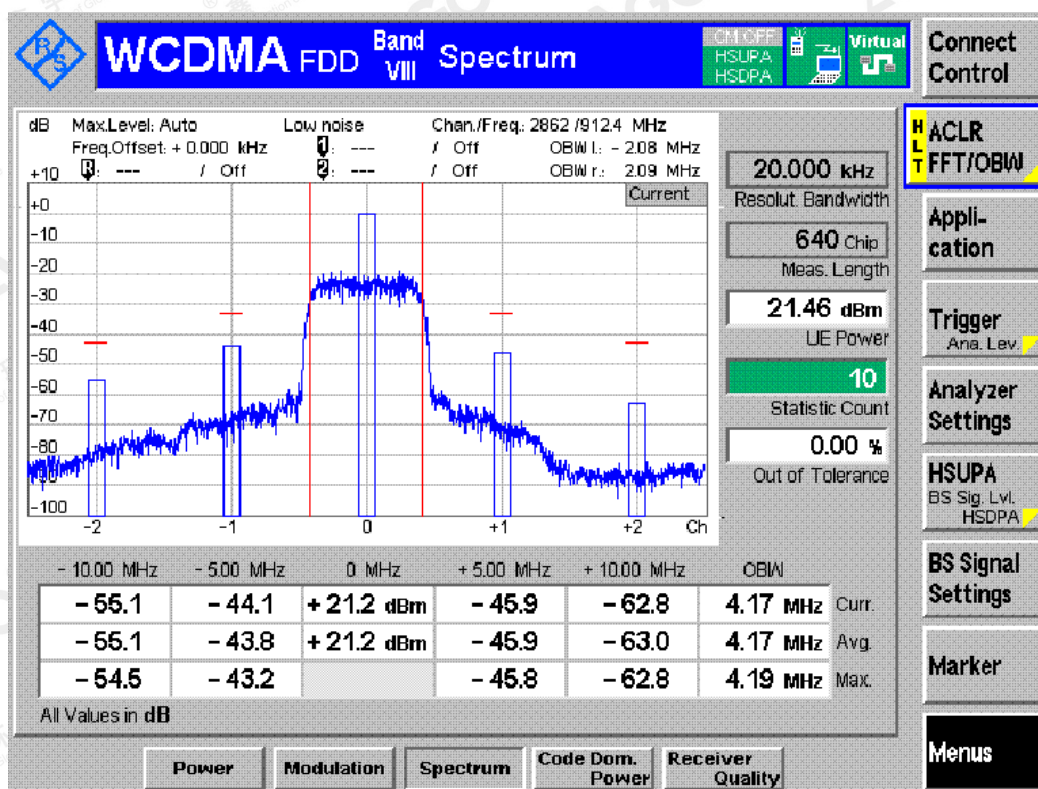


Channel HCH

Sub-test 1

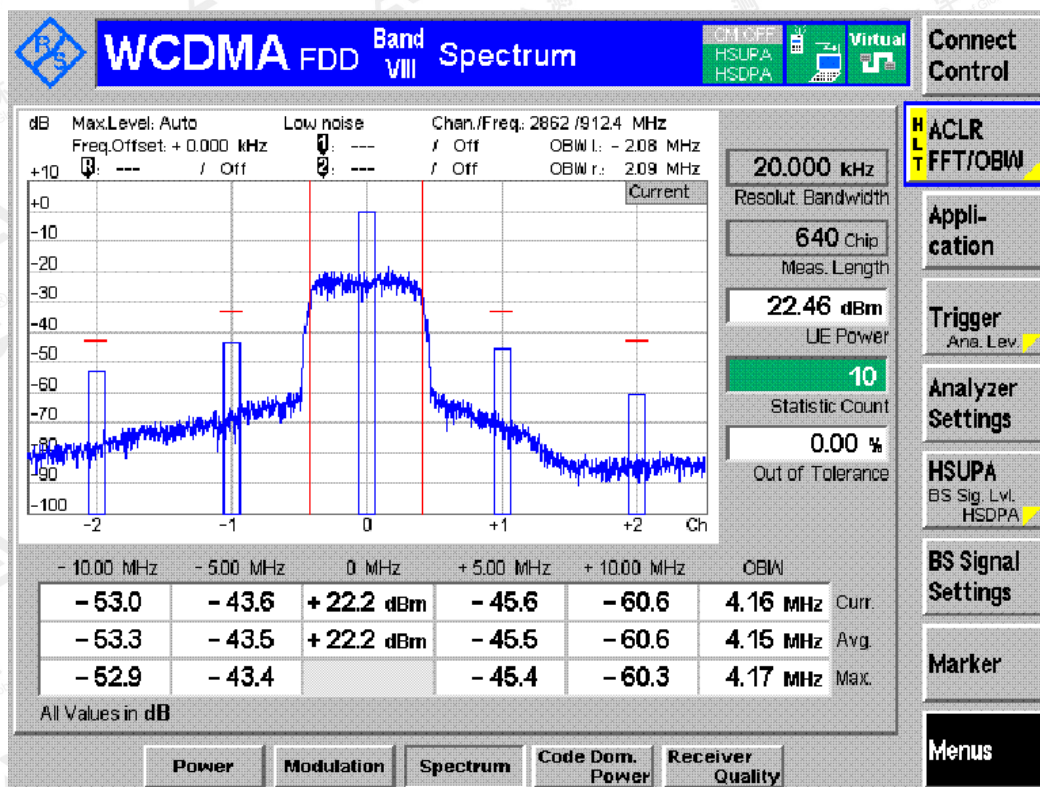


Sub-test 2

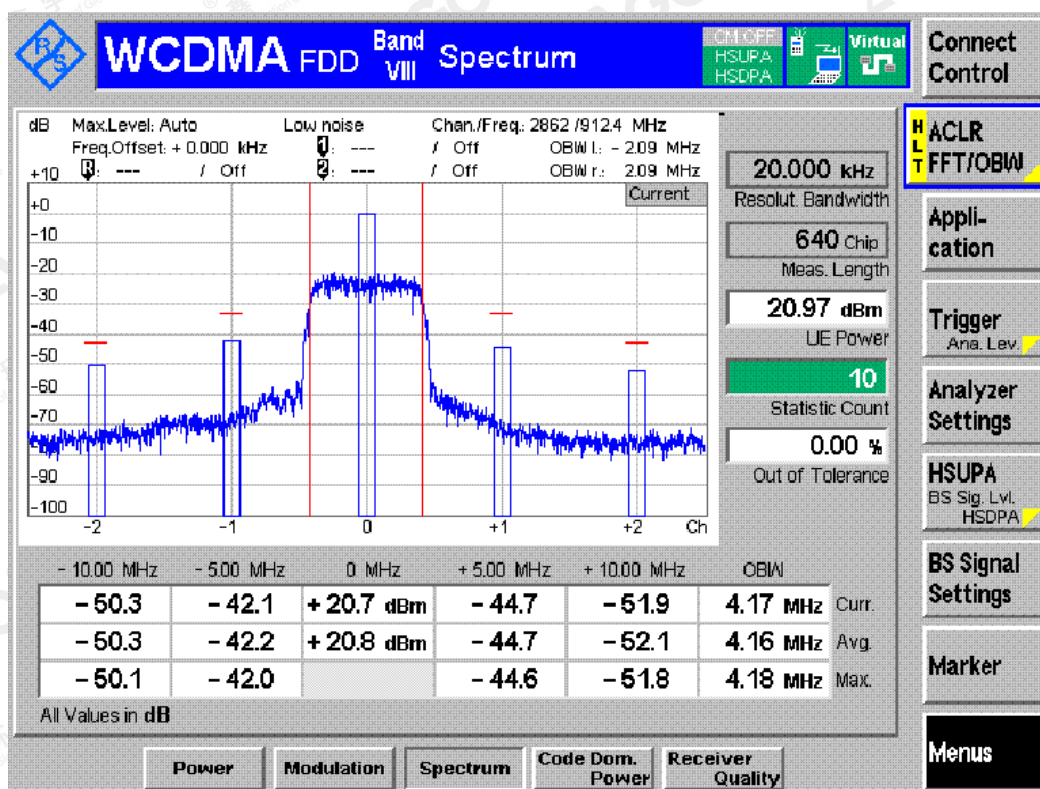


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Sub-test 3



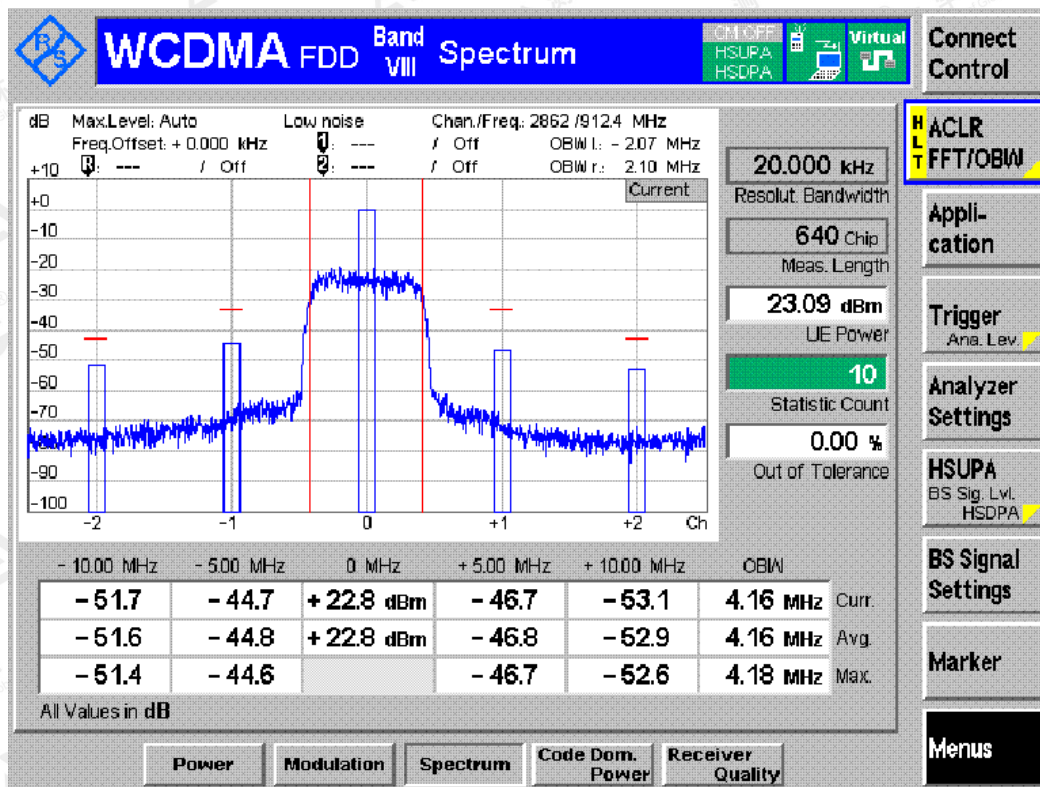
Sub-test 4



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Sub-test 5



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## Appendix L. Receiver spurious emissions

Frequency	RBW	Max .Level (dbm)	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.298	-62.256	-62.277	Pass
1 GHz ≤f ≤ 12,75 GHz	1 MHz	-47	-51.158	-51.264	-51.215	Pass
791 MHz ≤f ≤ 821 MHz	3,84 MHz	-60	-64.359	-64.323	-64.376	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-65.637	-65.359	-65.989	Pass
925 MHz ≤f ≤ 935 MHz	100 kHz	-67	-77.703	-77.843	-77.837	Pass
935 MHz < f ≤ 960 MHz	100 kHz	-79	-82.432	-82.601	-82.525	Pass
1805MHz ≤f ≤ 1880MHz	100 kHz	-60	-78.544	-78.468	-78.569	Pass
1920MHz ≤f ≤ 1980MHz	3,84 MHz	-60	-67.616	-67.648	-67.666	Pass
2 110 MHz ≤f ≤ 2 170 MHz	3,84 MHz	-60	-67.186	-67.297	-67.269	Pass
2 585 MHz ≤f ≤ 2 690 MHz	3,84 MHz	-60	-66.332	-66.333	-66.278	Pass
Frequency	RBW	Max .Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.026	-62.27	-62.404	Pass
1 GHz ≤f ≤12,75 GHz	1 MHz	-47	-51.325	-51.244	-51.319	Pass
791 MHz ≤f ≤821 MHz	3,84 MHz	-60	-64.361	-64.279	-64.319	Pass
880 MHz ≤f < 915 MHz	3,84 MHz	-60	-63.929	-63.932	-63.892	Pass
921 MHz ≤f ≤925 MHz	100 kHz	-60	-65.596	-65.872	-65.941	Pass
925 MHz ≤f ≤935 MHz	100 kHz	-67	-72.771	-72.781	-72.84	Pass
925 MHz ≤f ≤935 MHz	3,84 MHz	-60	-64.118	-64.041	-64.045	Pass
935 MHz < f ≤960 MHz	100 kHz	-79	-82.54	-82.739	-82.601	Pass
1805MHz ≤f ≤1880MHz	3,84 MHz	-60	-63.864	-63.84	-63.856	Pass
2 110 MHz ≤f ≤2 170 MHz	3,84 MHz	-60	-67.203	-67.185	-67.218	Pass
2 585 MHz ≤f ≤2 690 MHz	3,84 MHz	-60	-66.33	-66.269	-66.263	Pass

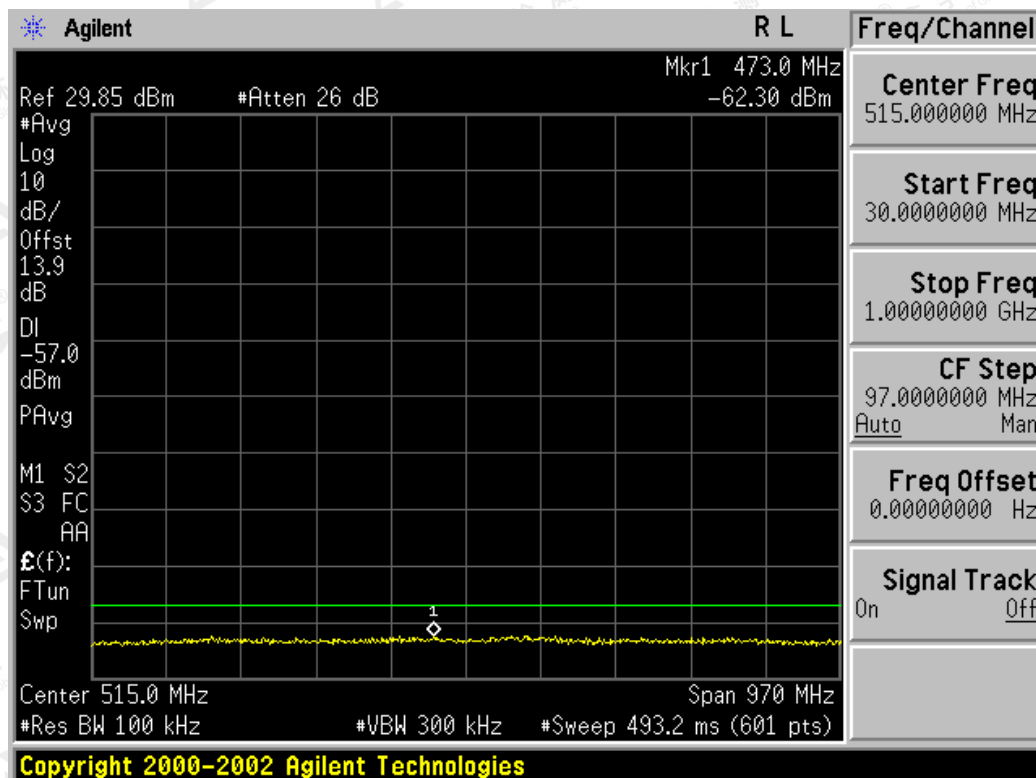
# BAND I

## Channel LCH

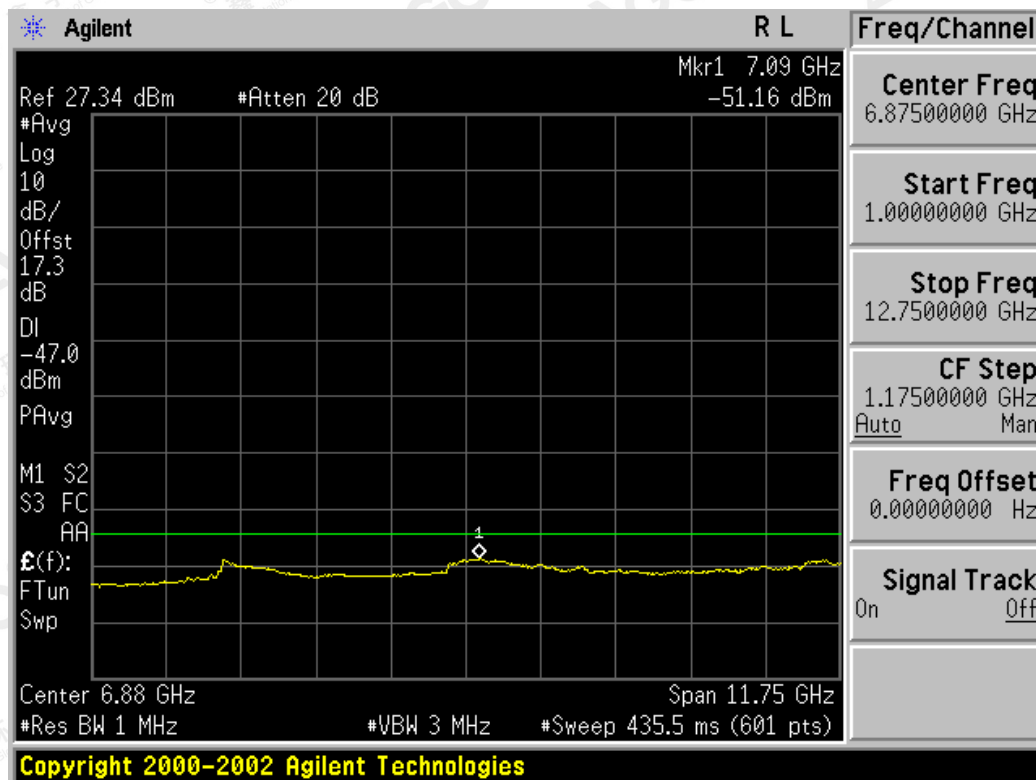
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30MHz~1GHz

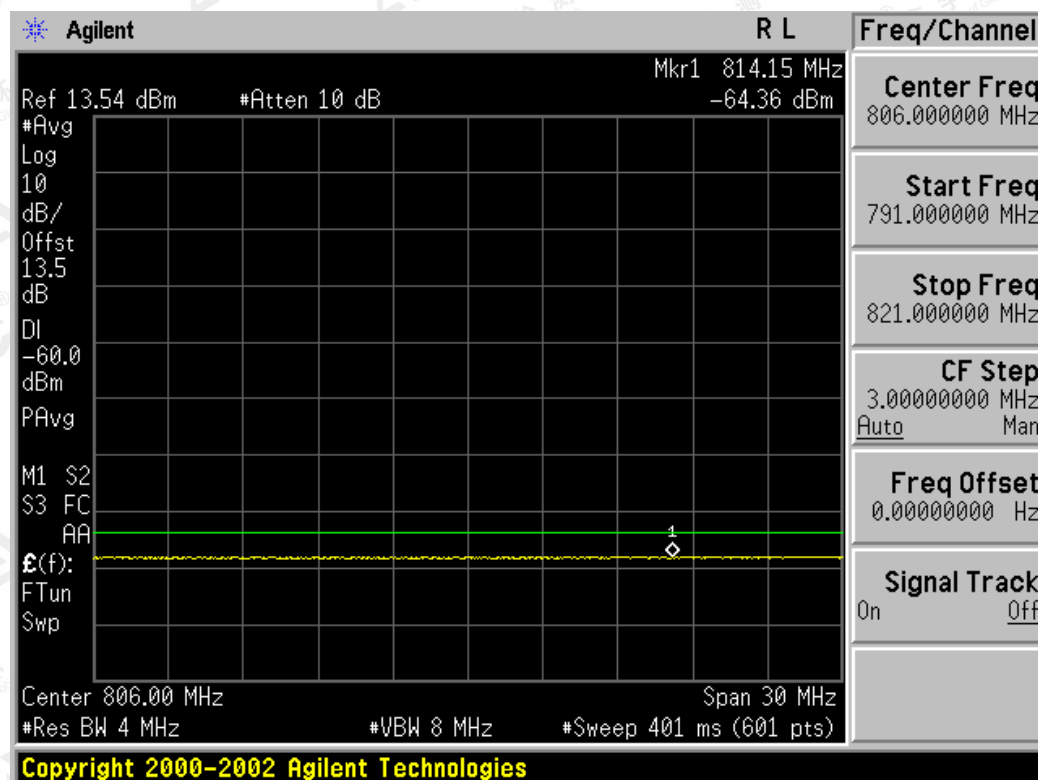


1GHz~12.75GHz

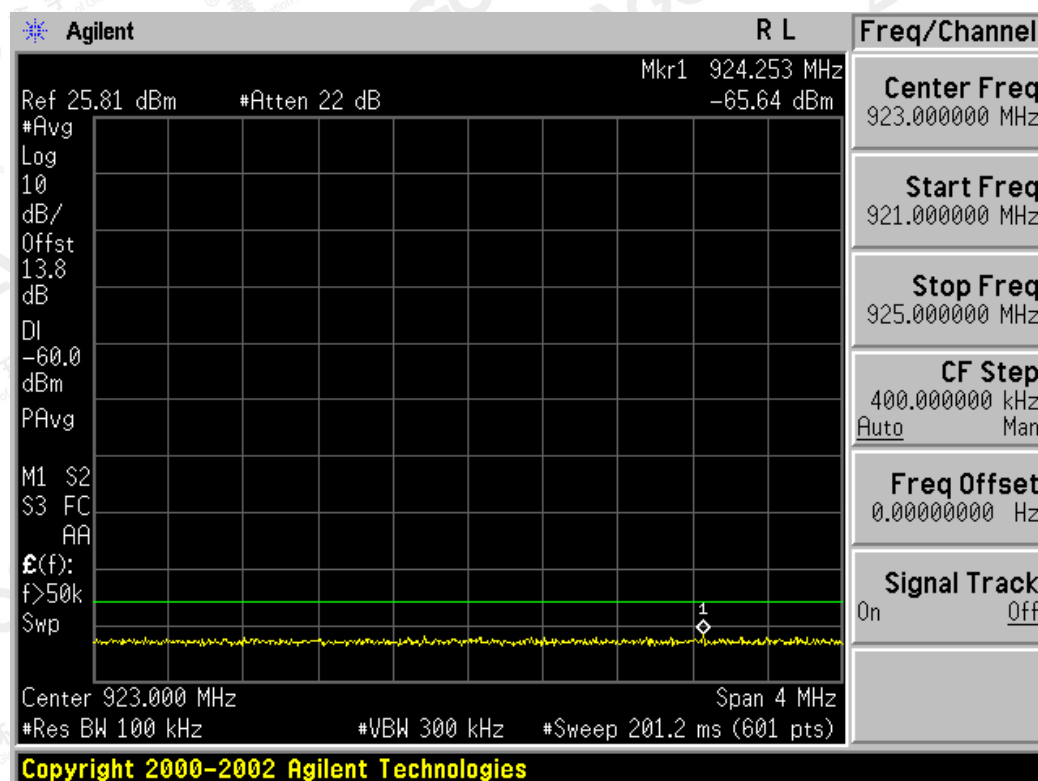


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791MHZ~821HZ



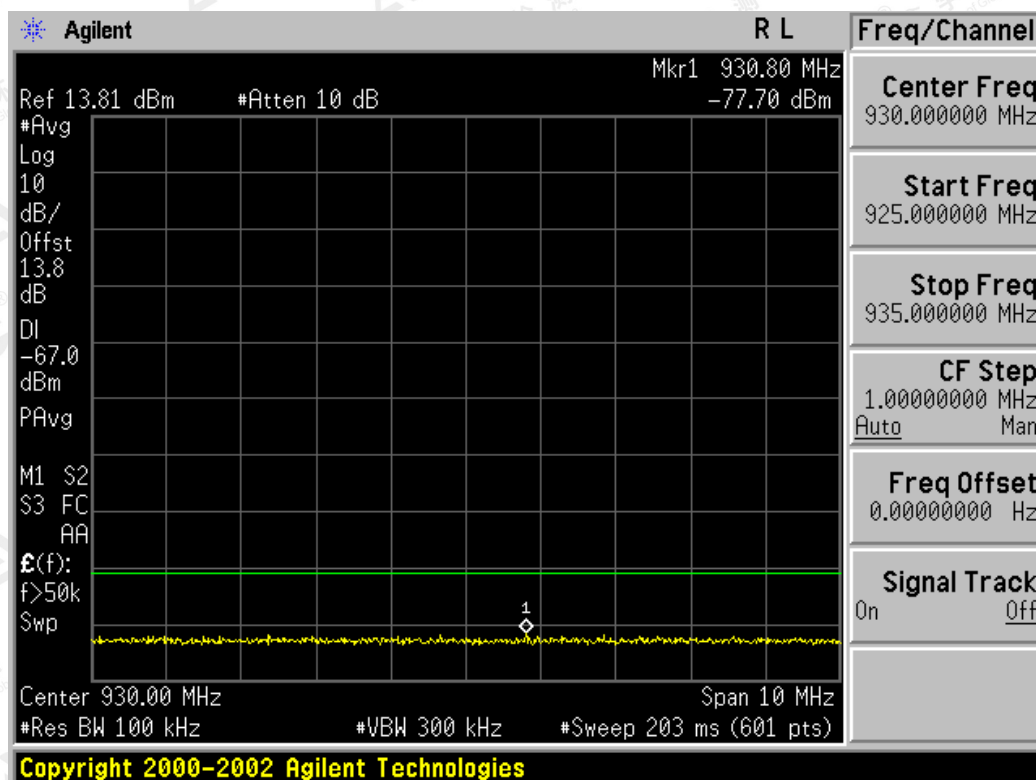
921MHZ~925MHZ



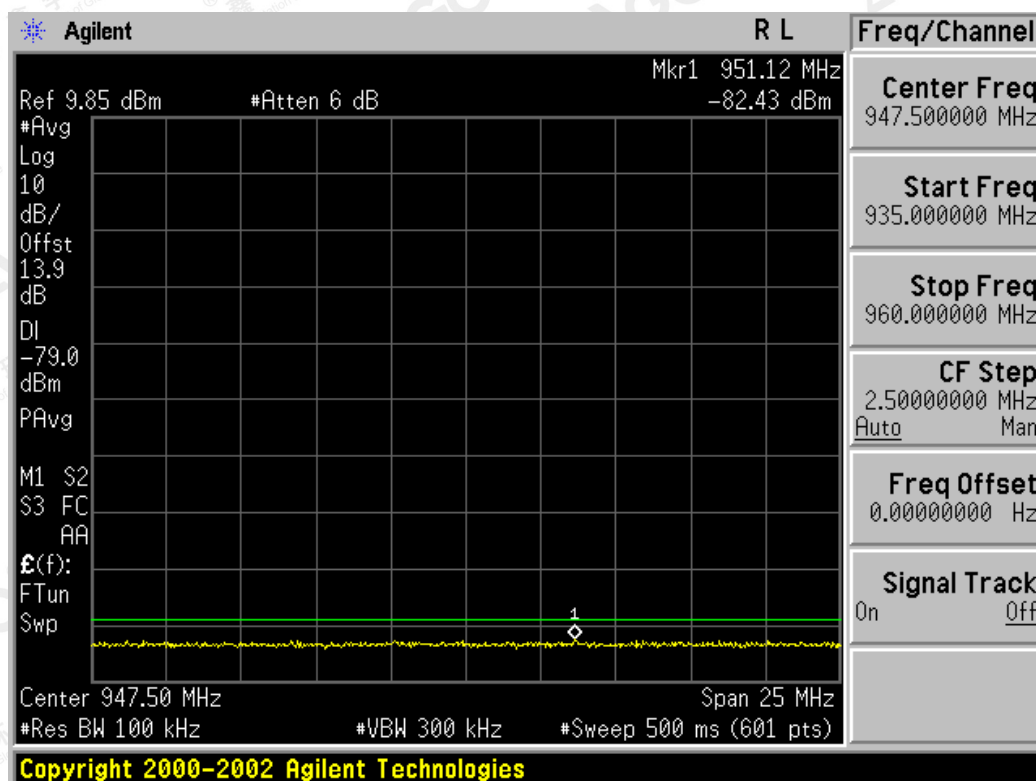
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925MHZ~935MHZ

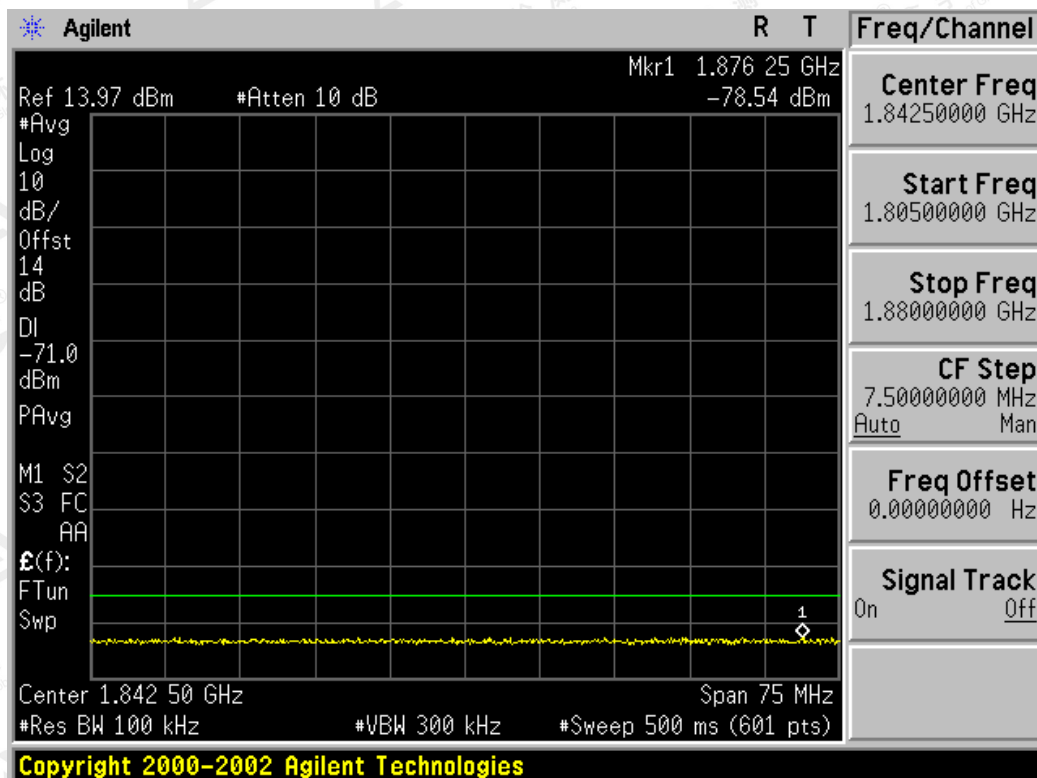


935MHZ~960MHZ

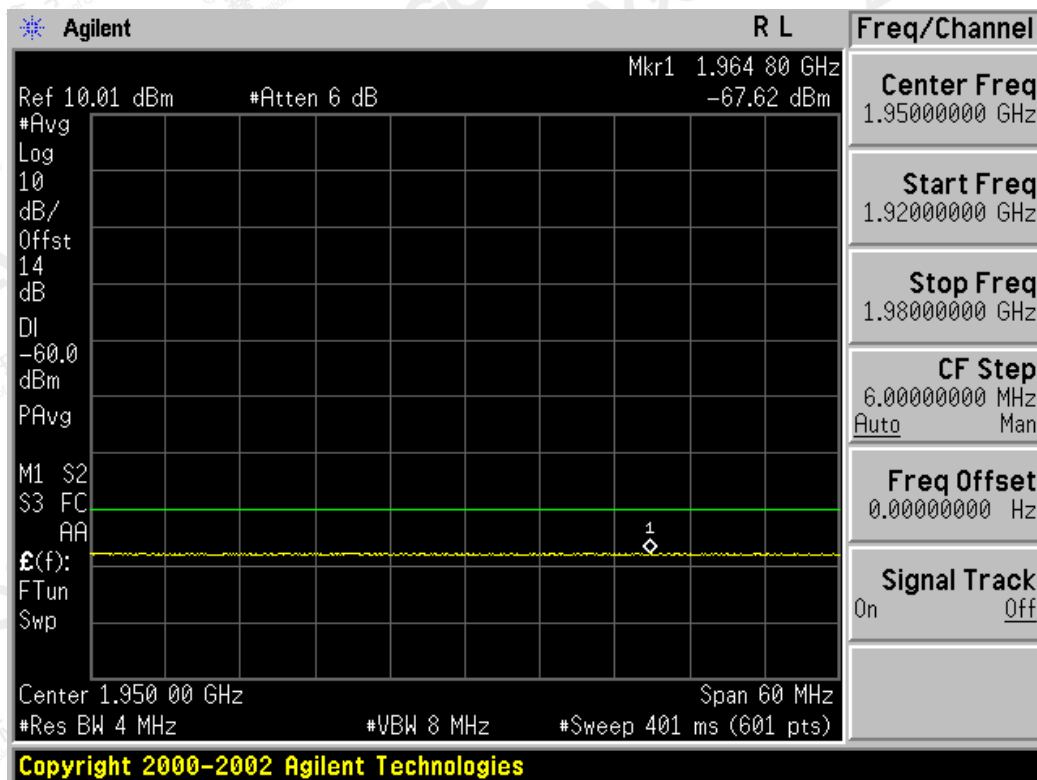


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1805MHZ~1880MHZ



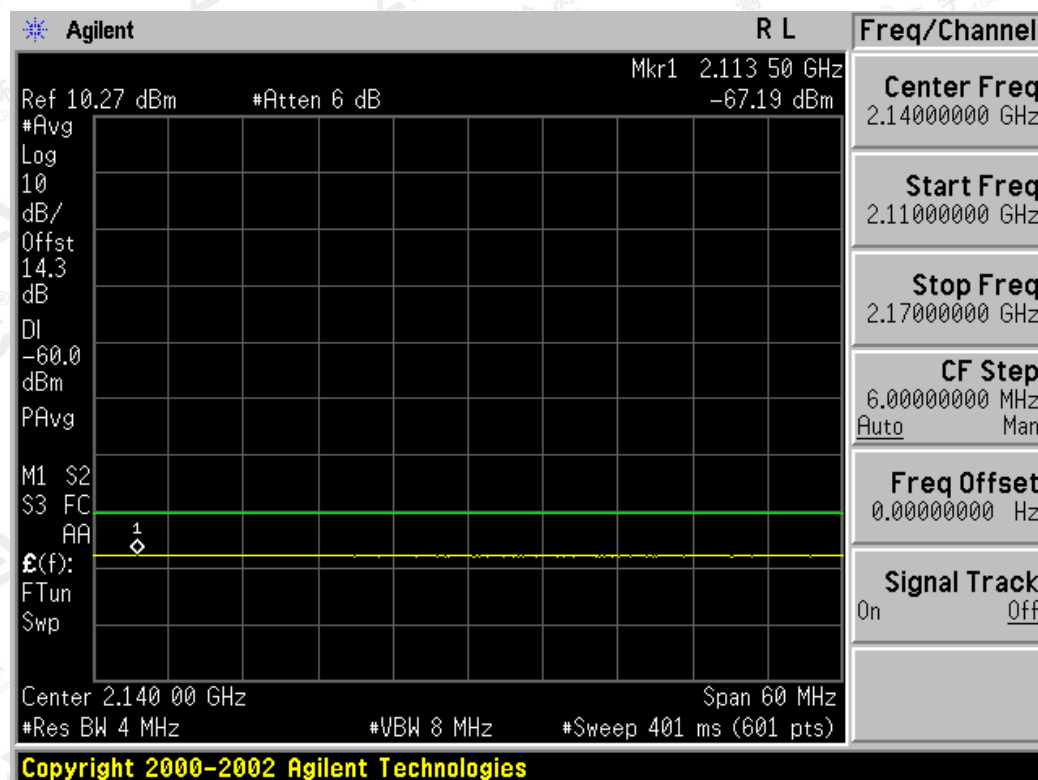
1920MHZ~1980MHZ



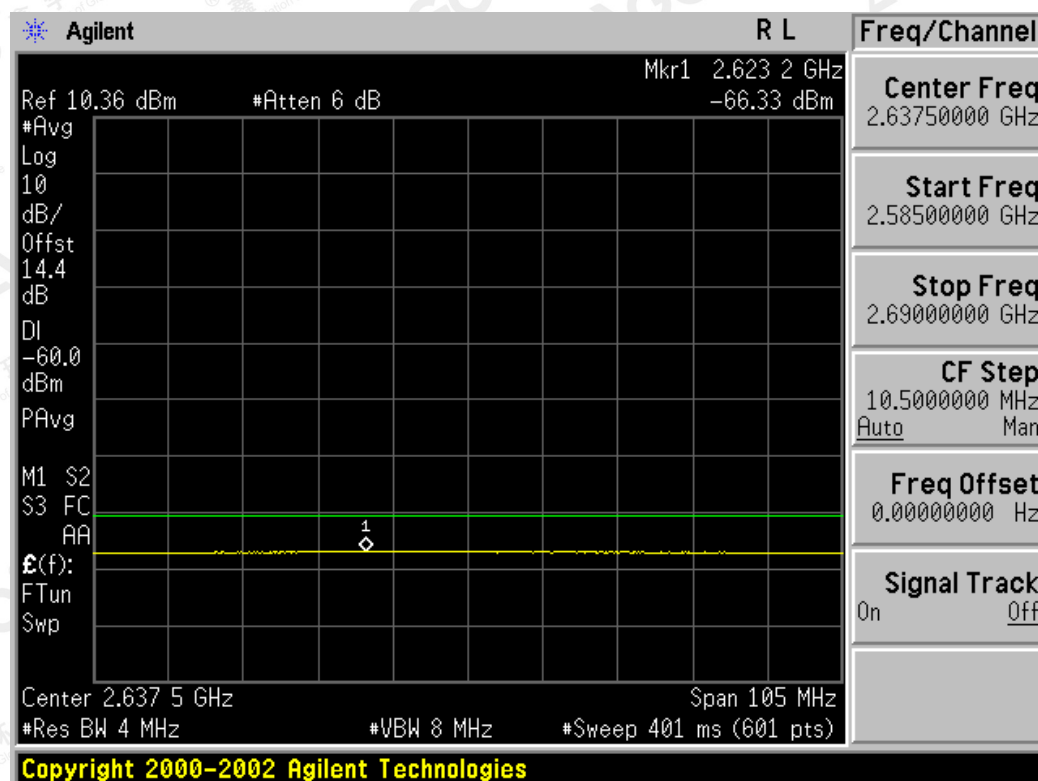
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2110MHZ~2170MHZ

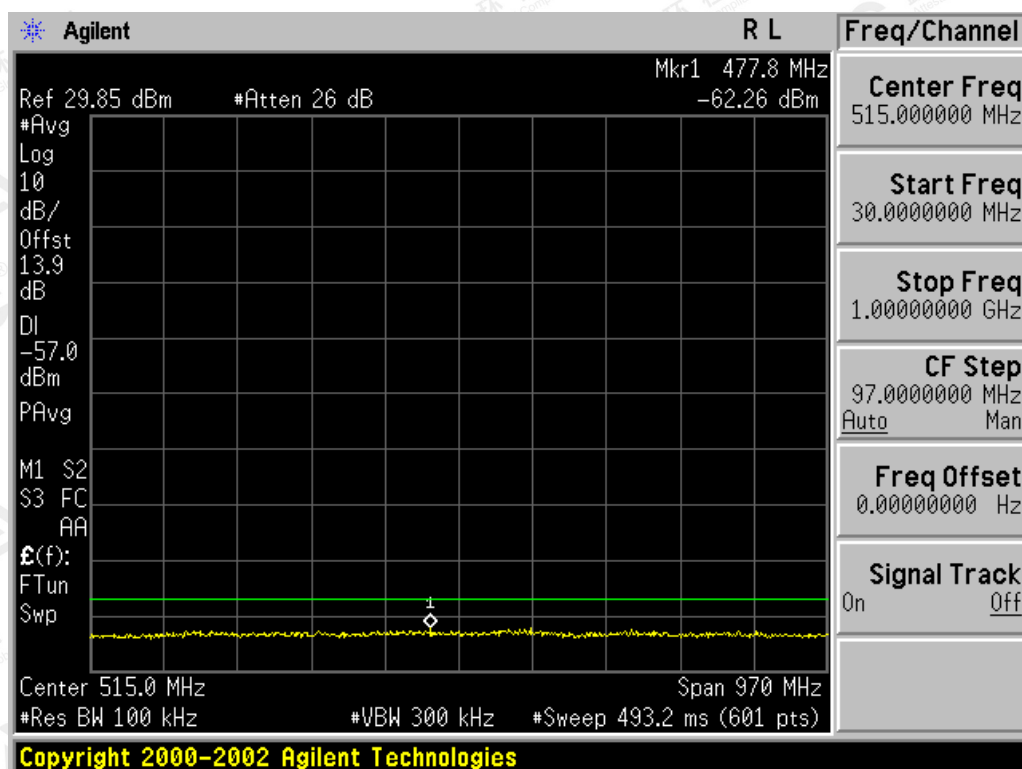


2585MHZ~2690MHZ

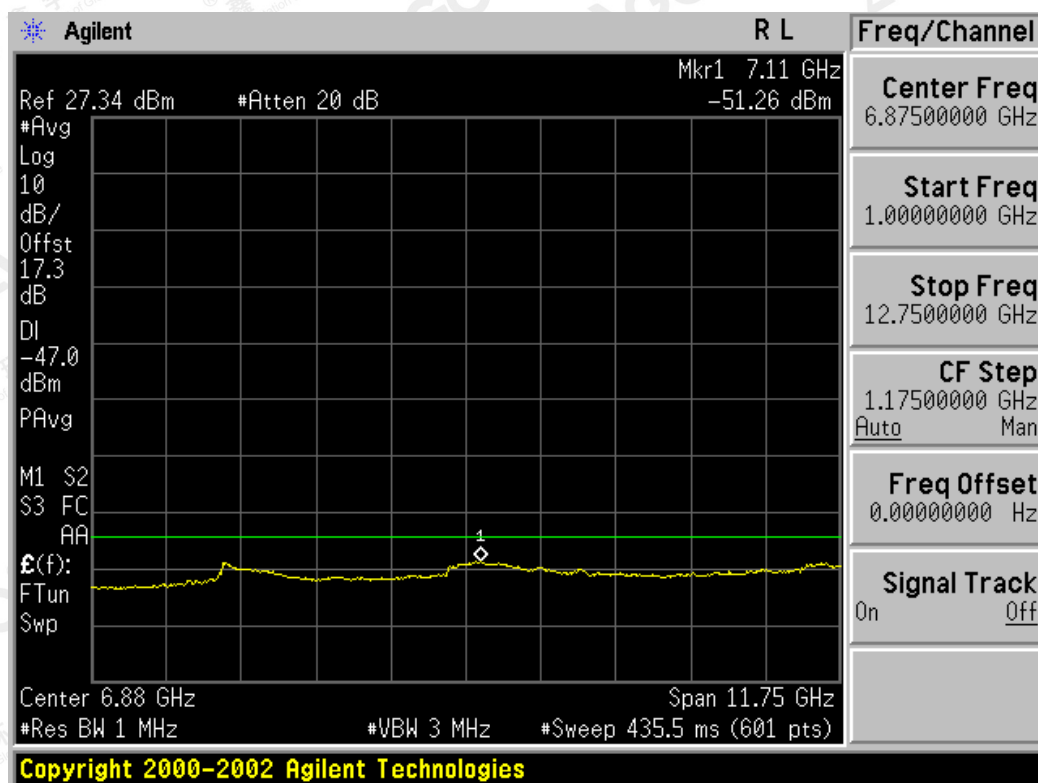


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**Channel MCH**  
30MHz~1GHz



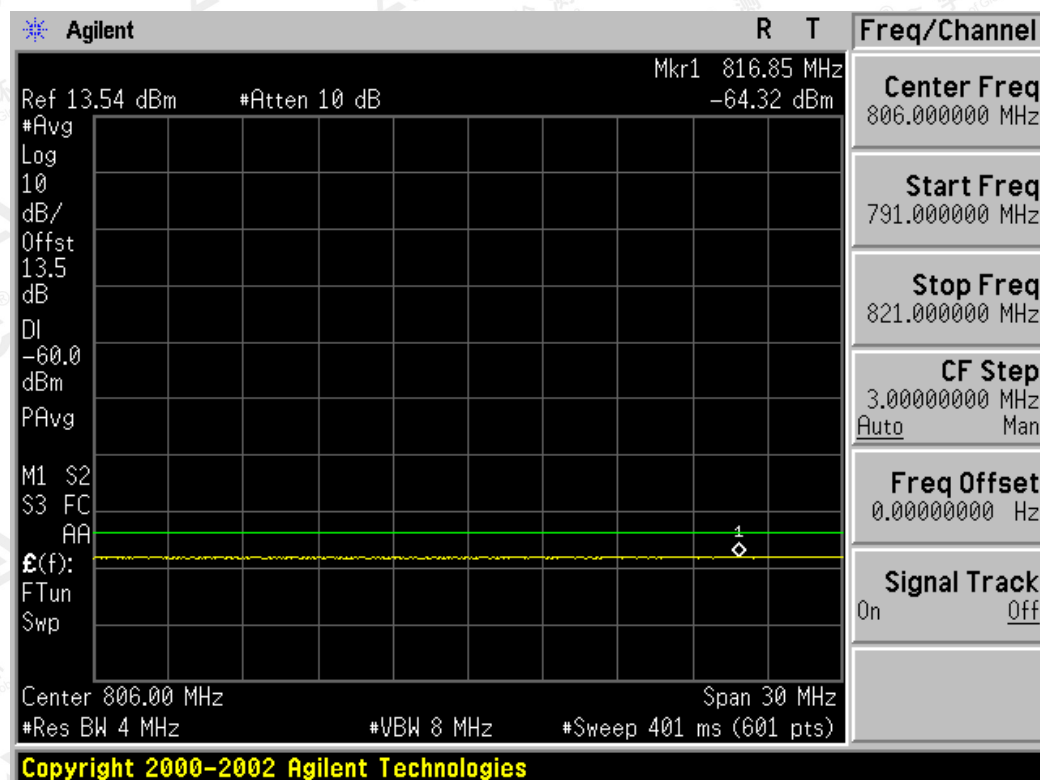
1GHz~12.75GHz



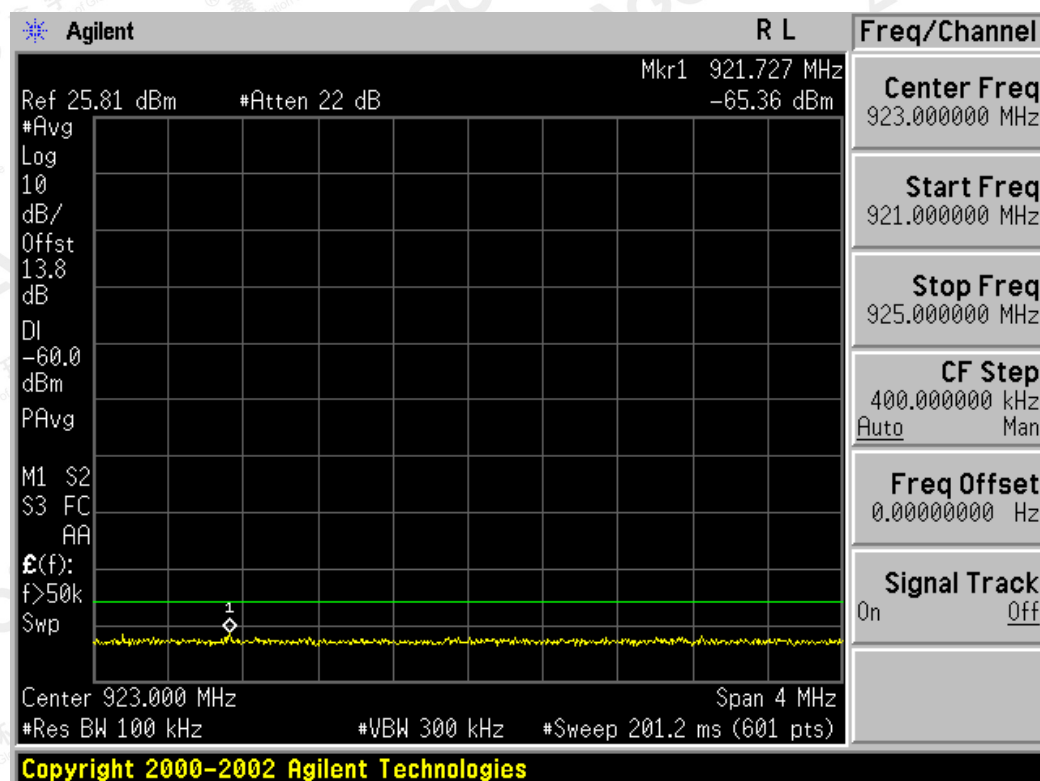
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791MHZ~821HZ

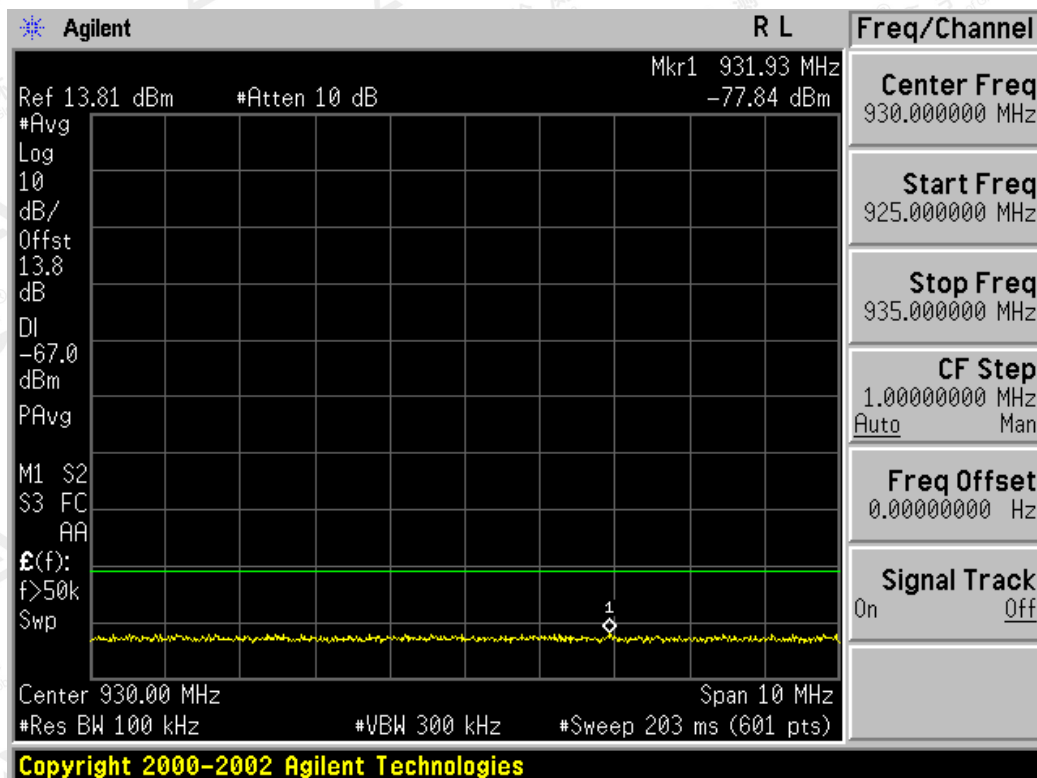


921MHZ~925MHZ

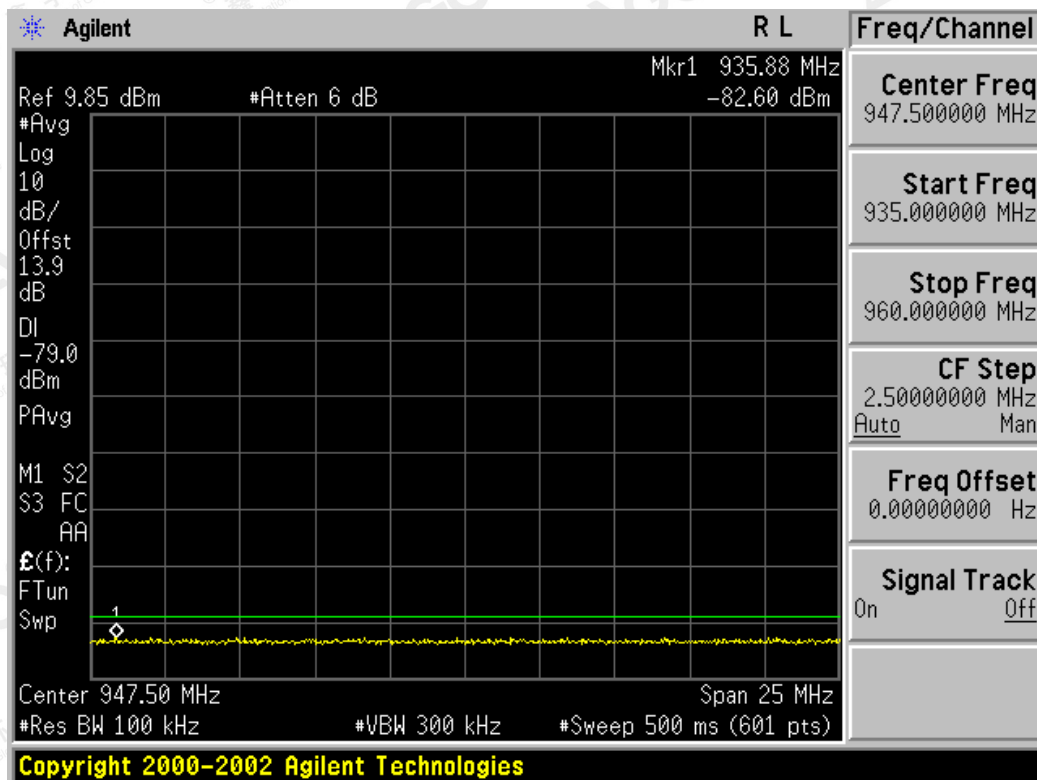


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925MHZ~935MHZ



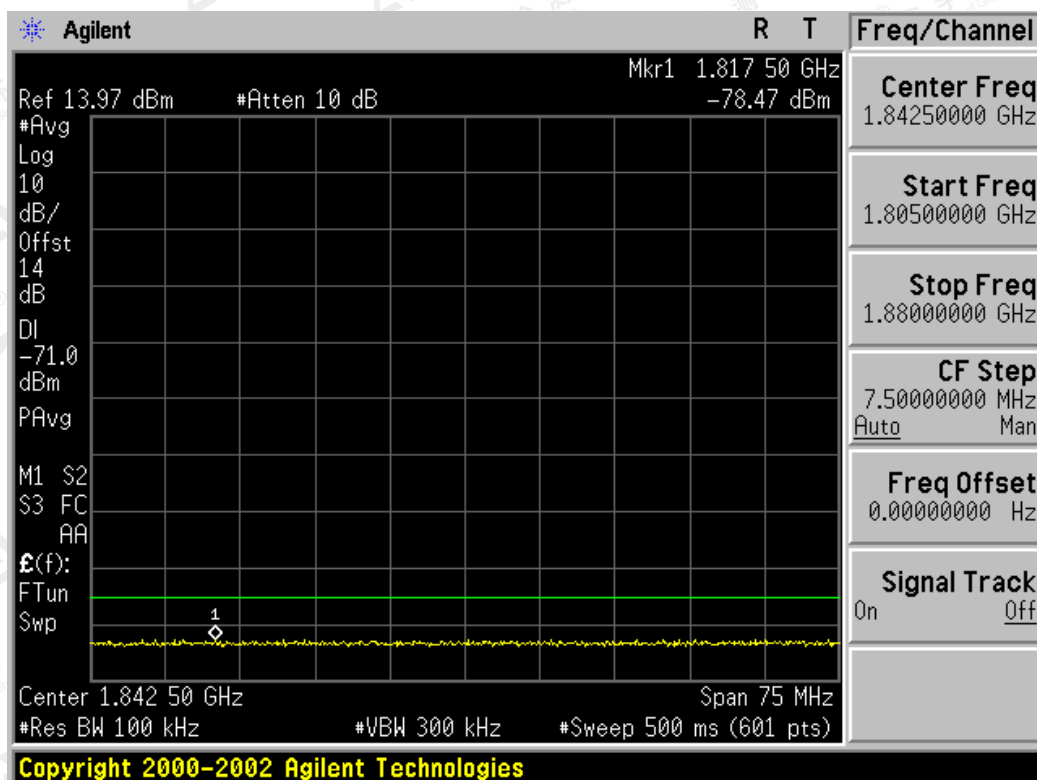
935MHZ~960MHZ



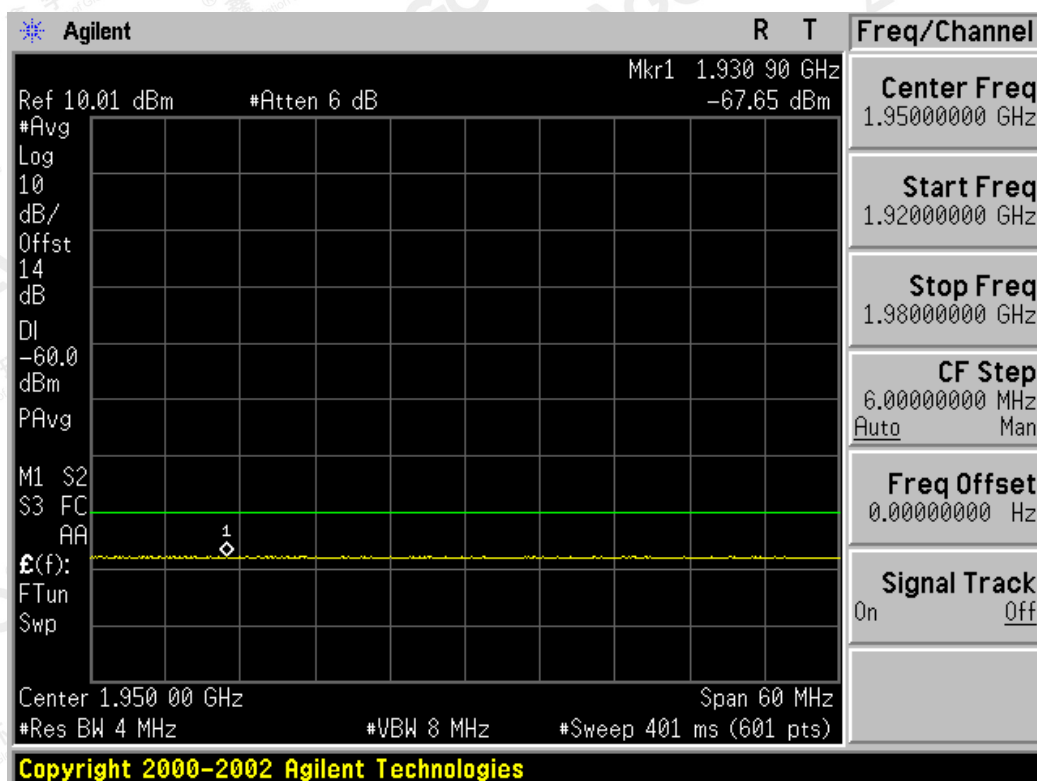
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1805MHZ~1880MHZ

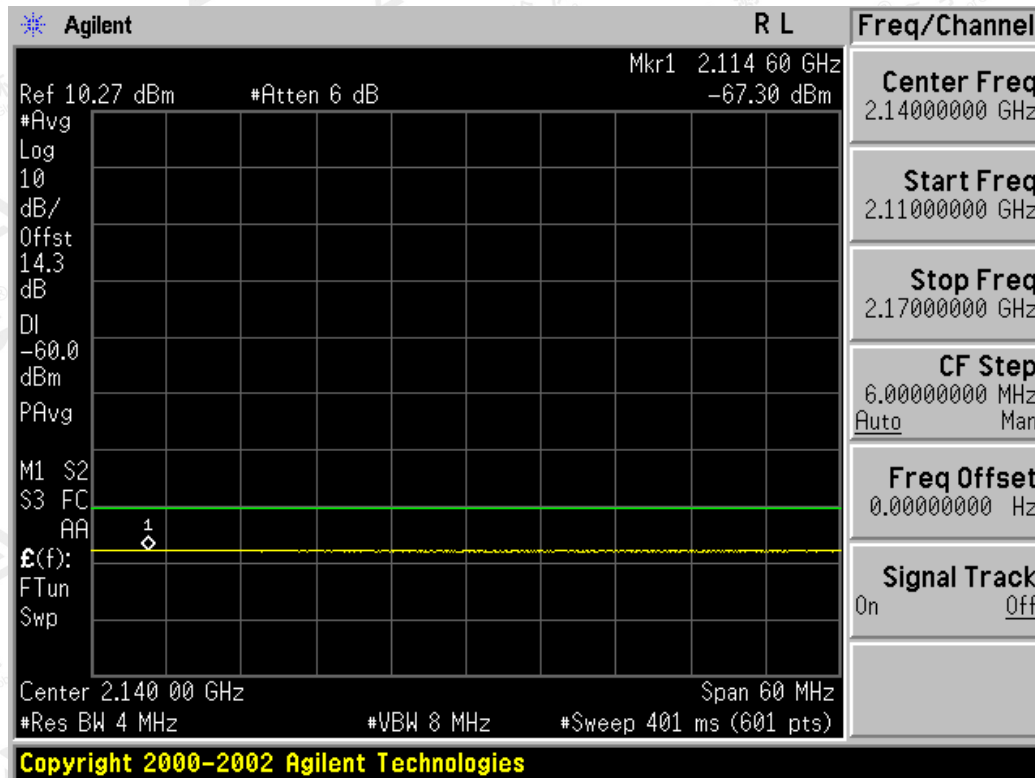


1920MHZ~1980MHZ

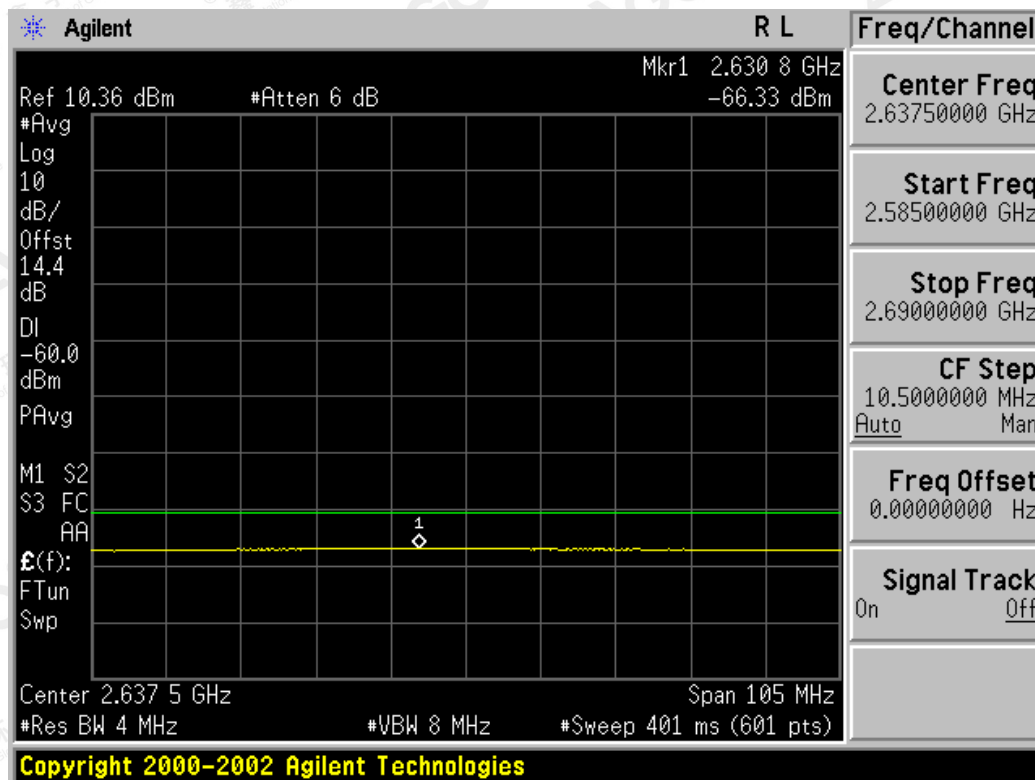


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2110MHZ~2170MHZ



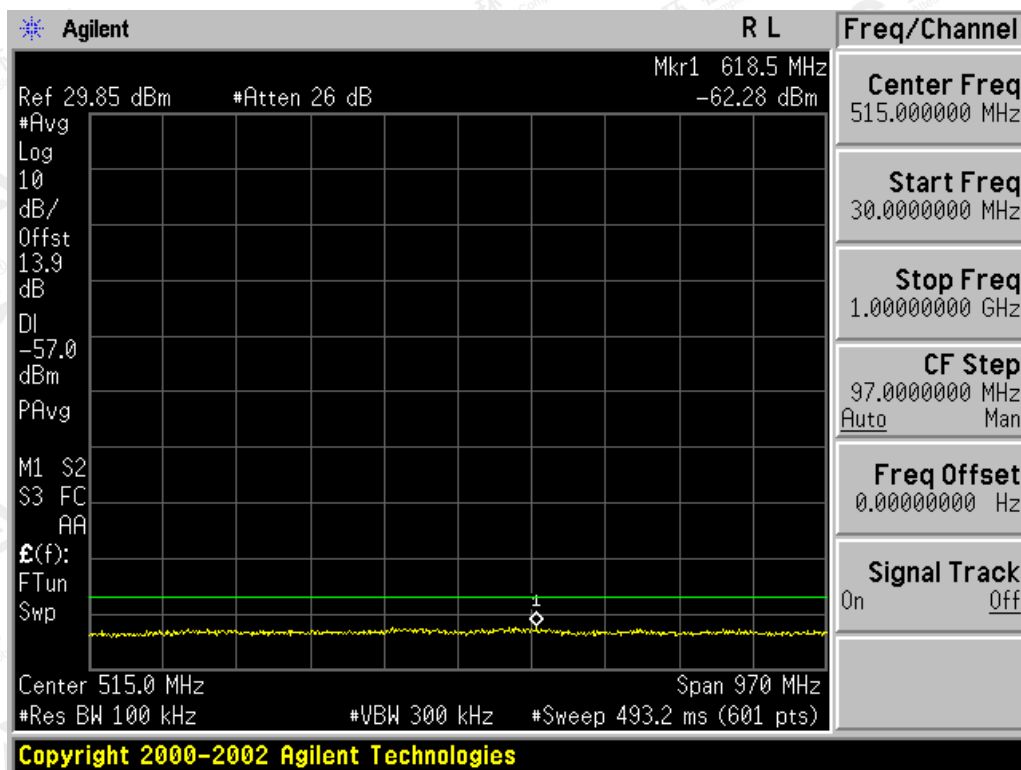
2585MHZ~2690MHZ



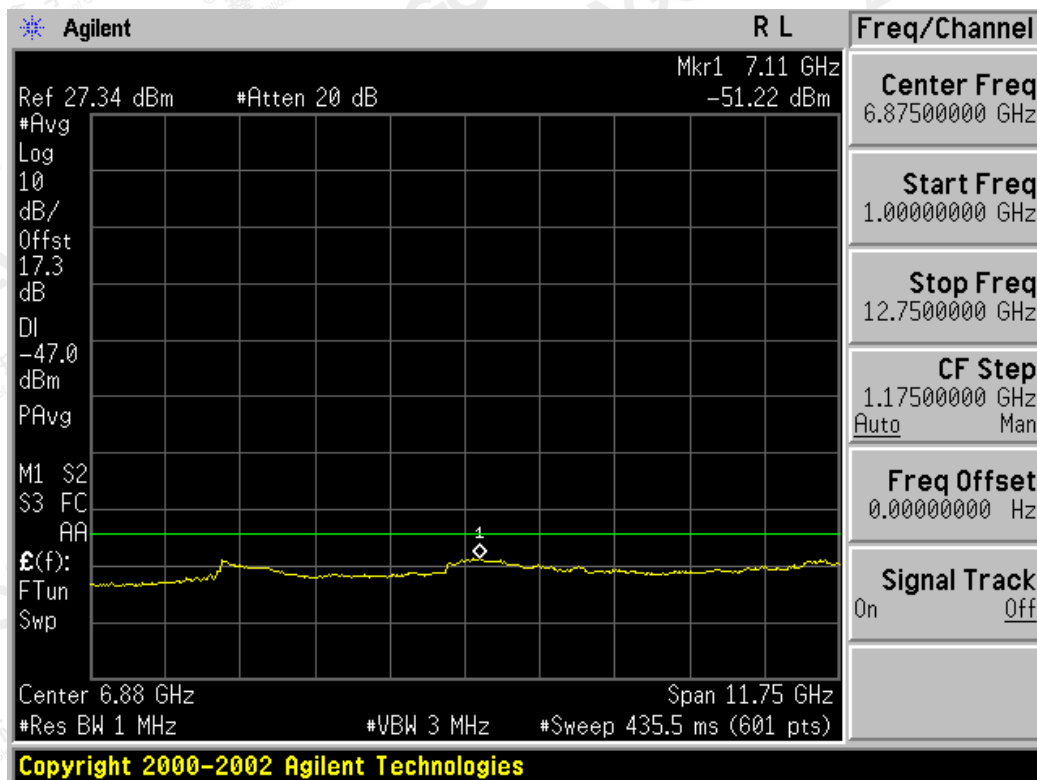
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**Channel HCH**  
**30MHZ~1GHZ**

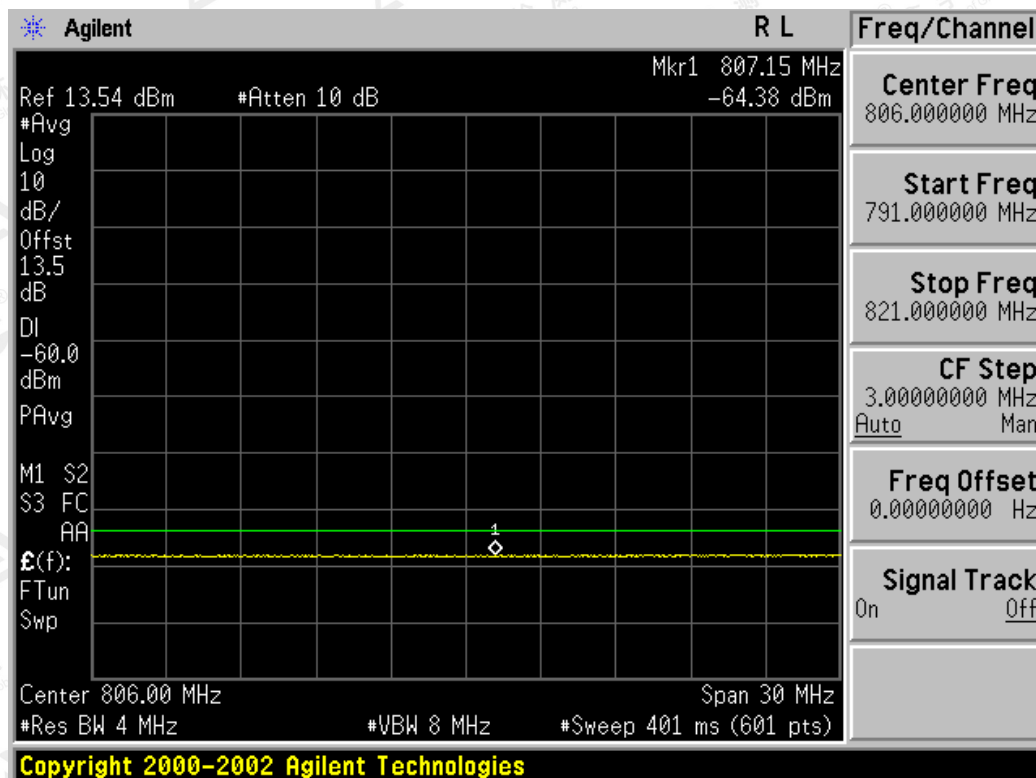


**1GHZ~12.75GHZ**

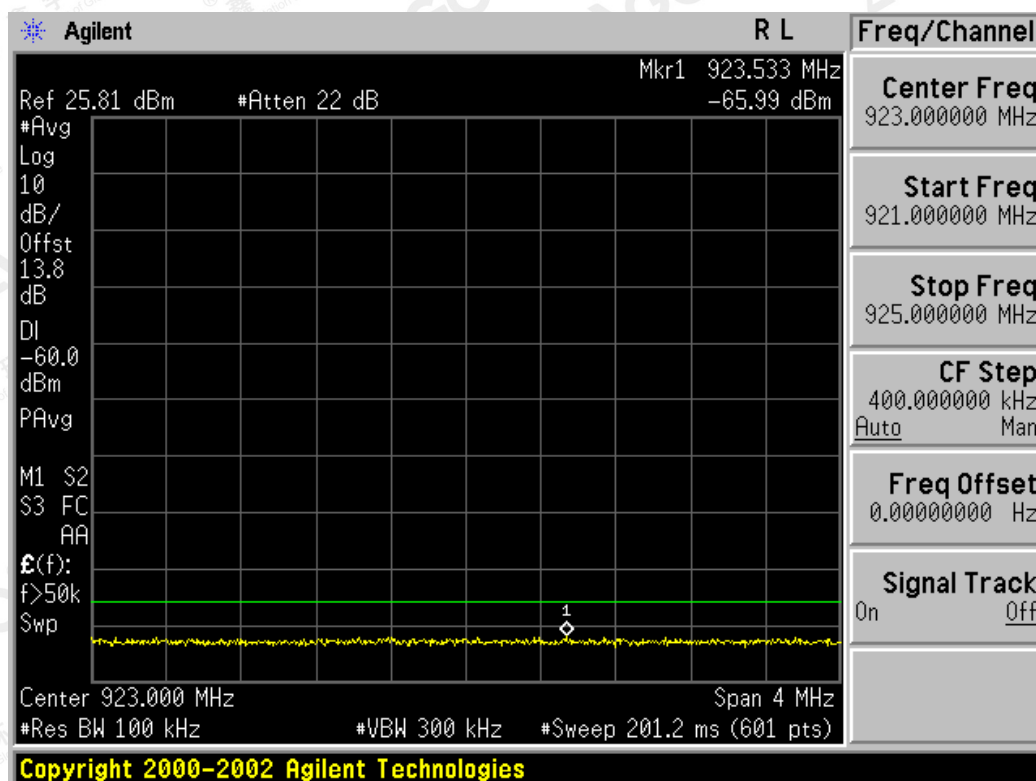


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791MHZ~821HZ



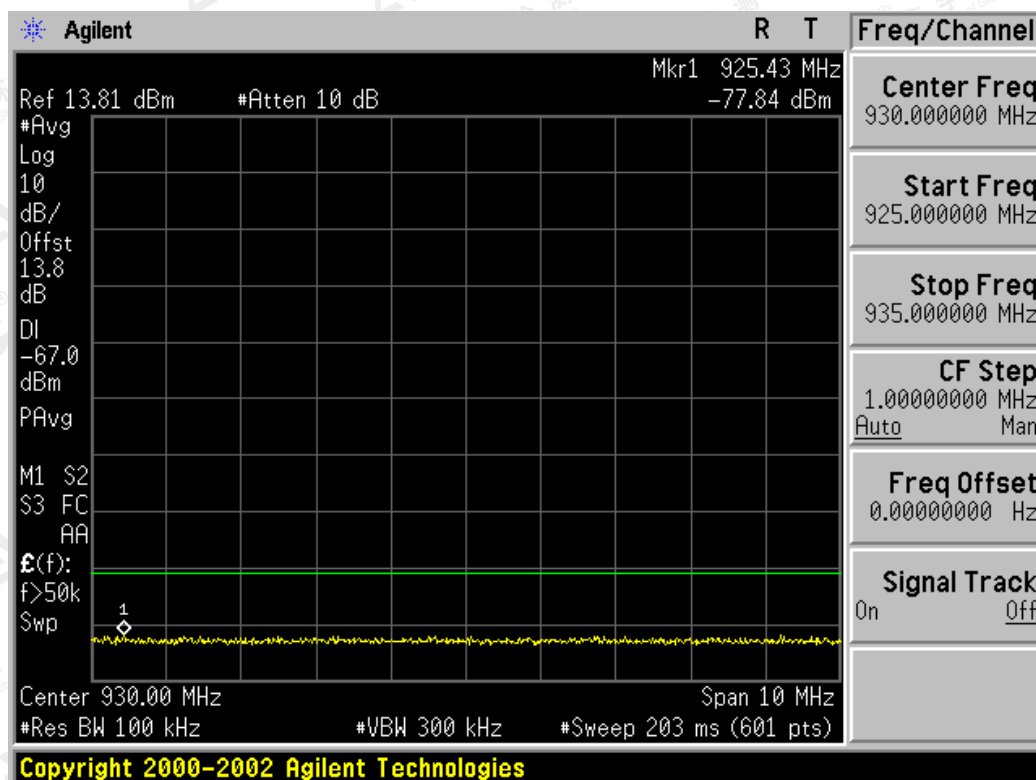
921MHZ~925MHZ



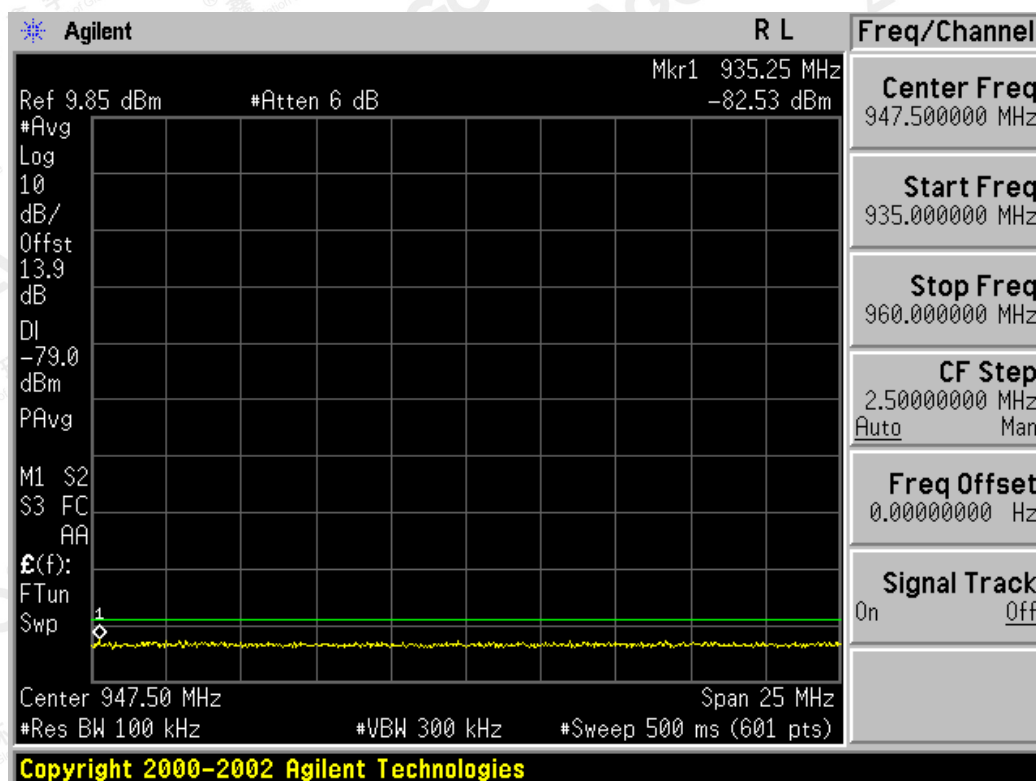
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925MHZ~935MHZ

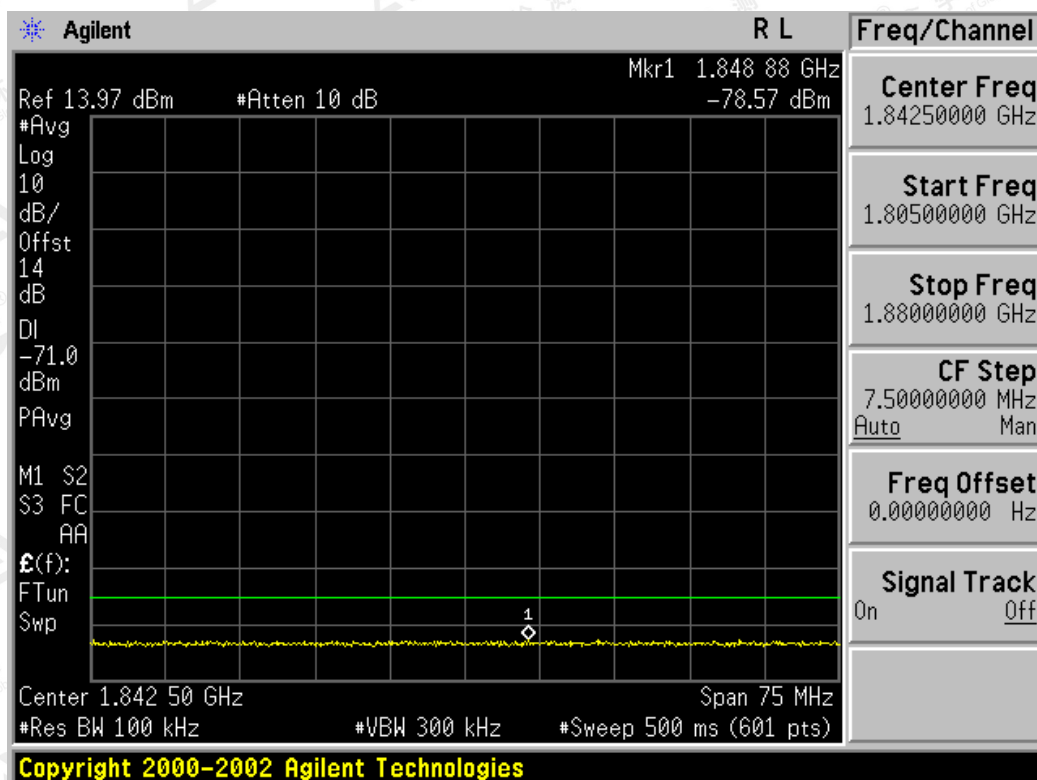


935MHZ~960MHZ

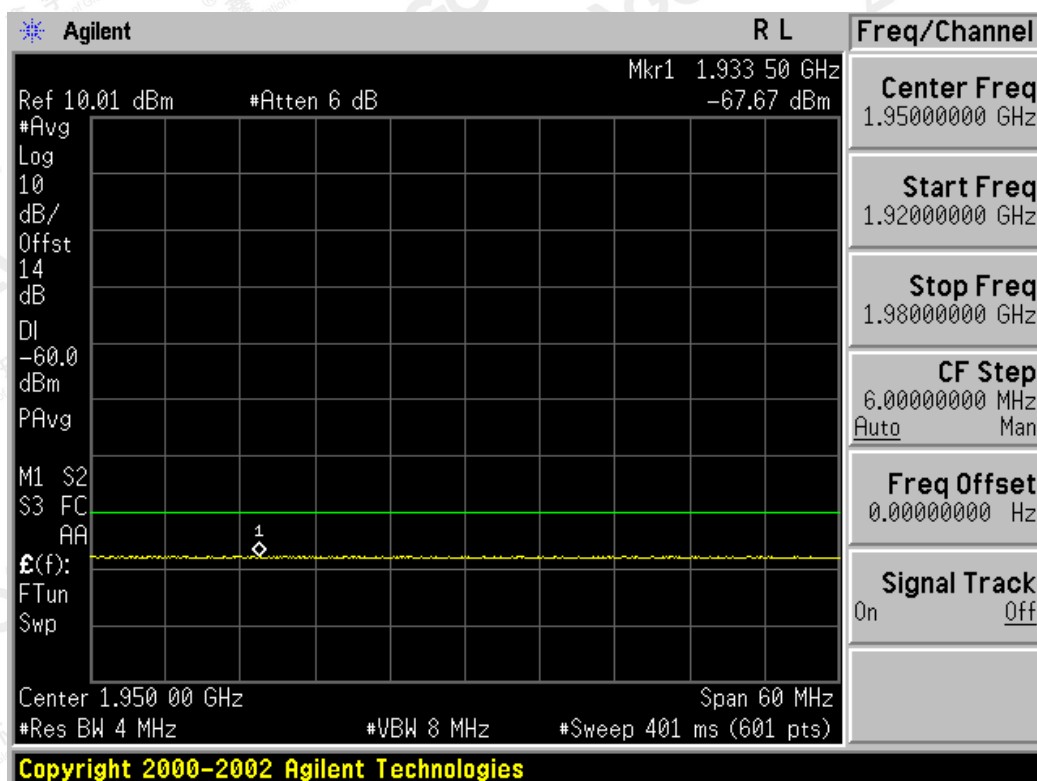


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1805MHZ~1880MHZ



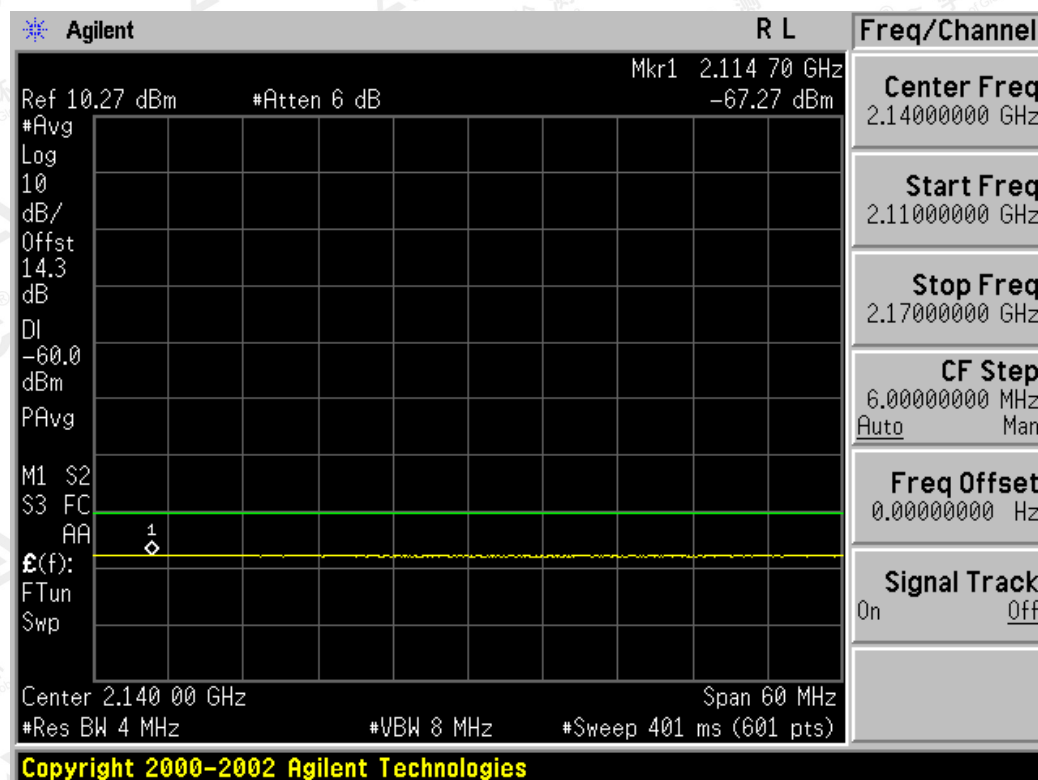
1920MHZ~1980MHZ



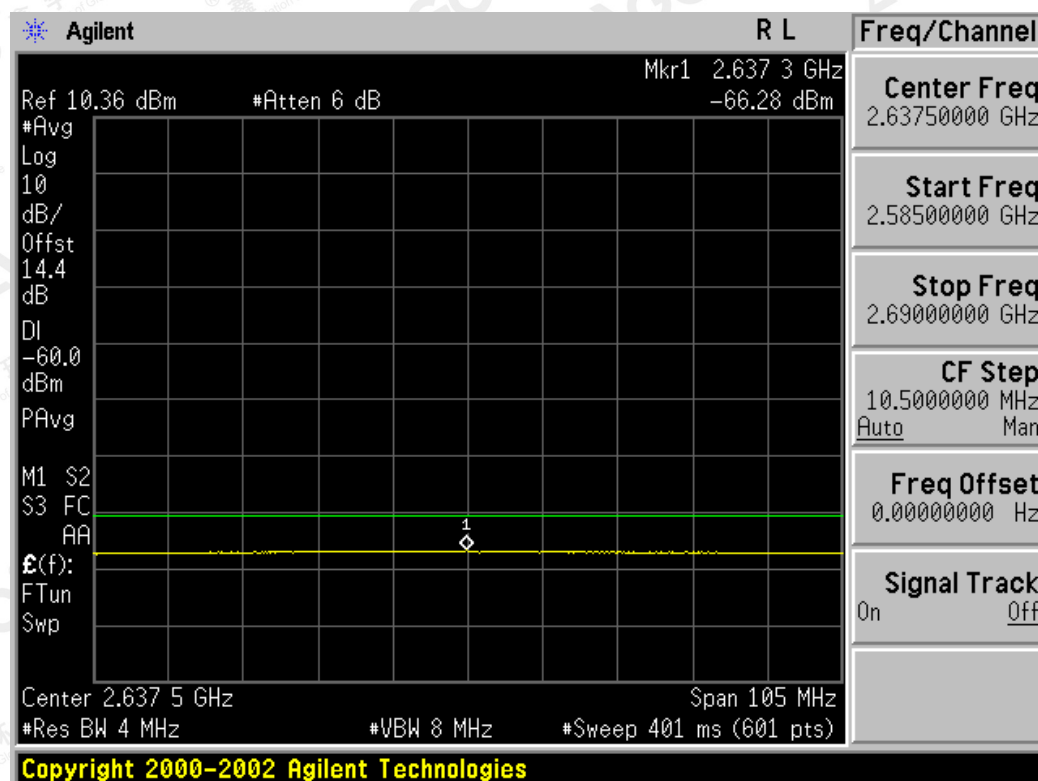
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2110MHZ~2170MHZ



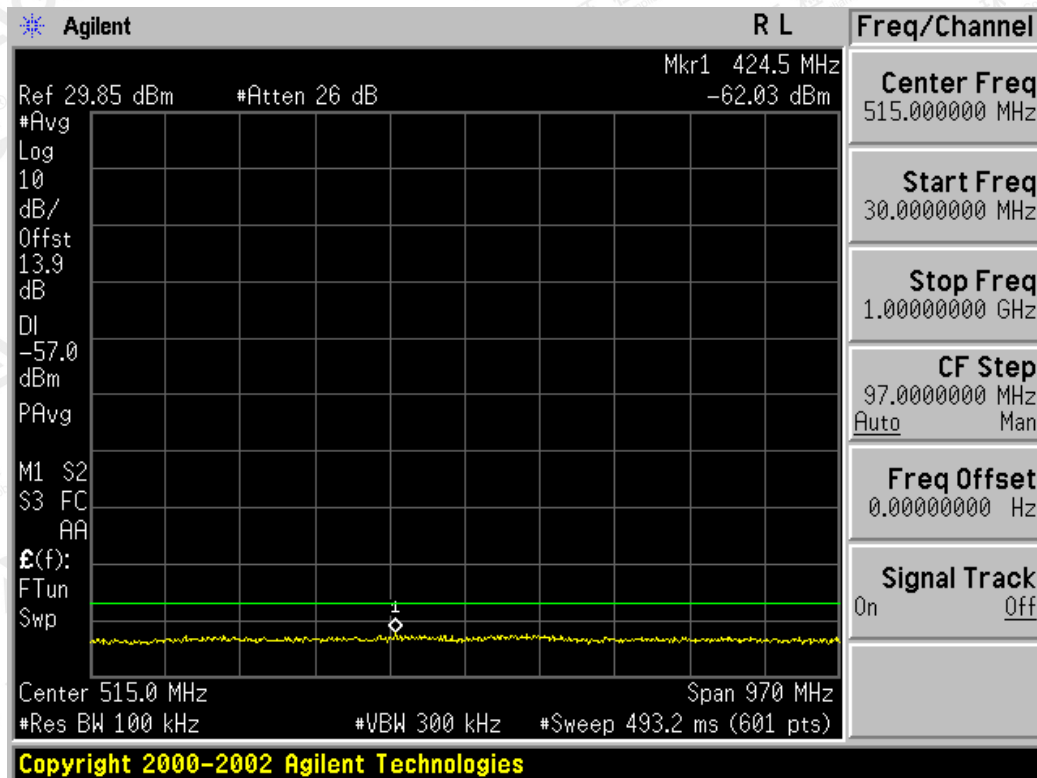
2585MHZ~2690MHZ



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# BAND VIII

Channel LCH  
30MHZ-1GHZ



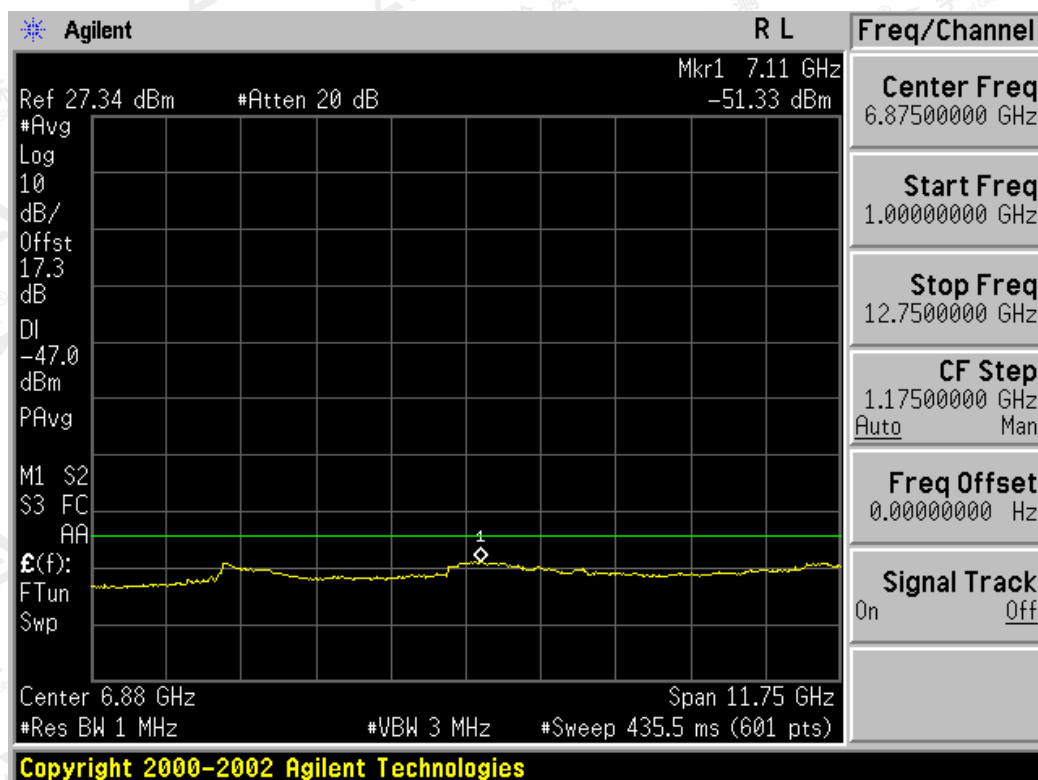
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Attestation of Global Compliance

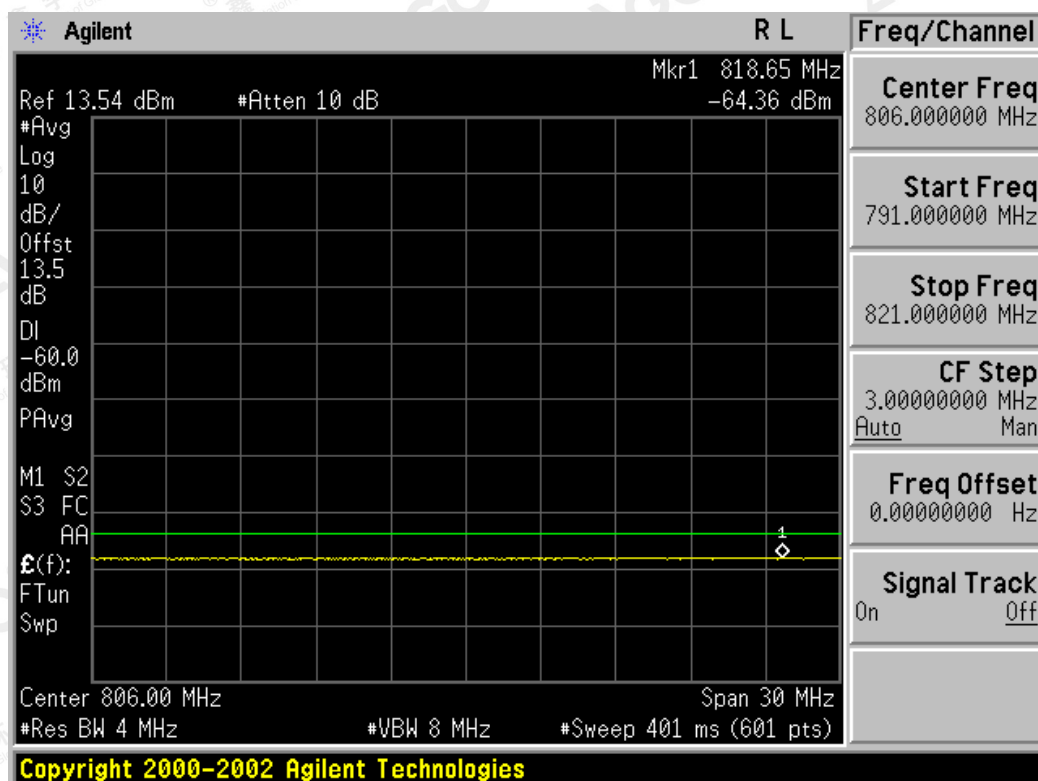
Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: [agc@agc-cert.com](mailto:agc@agc-cert.com) 400 089 2118  
Add: 2/F, Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



1GHZ~12.75GHZ

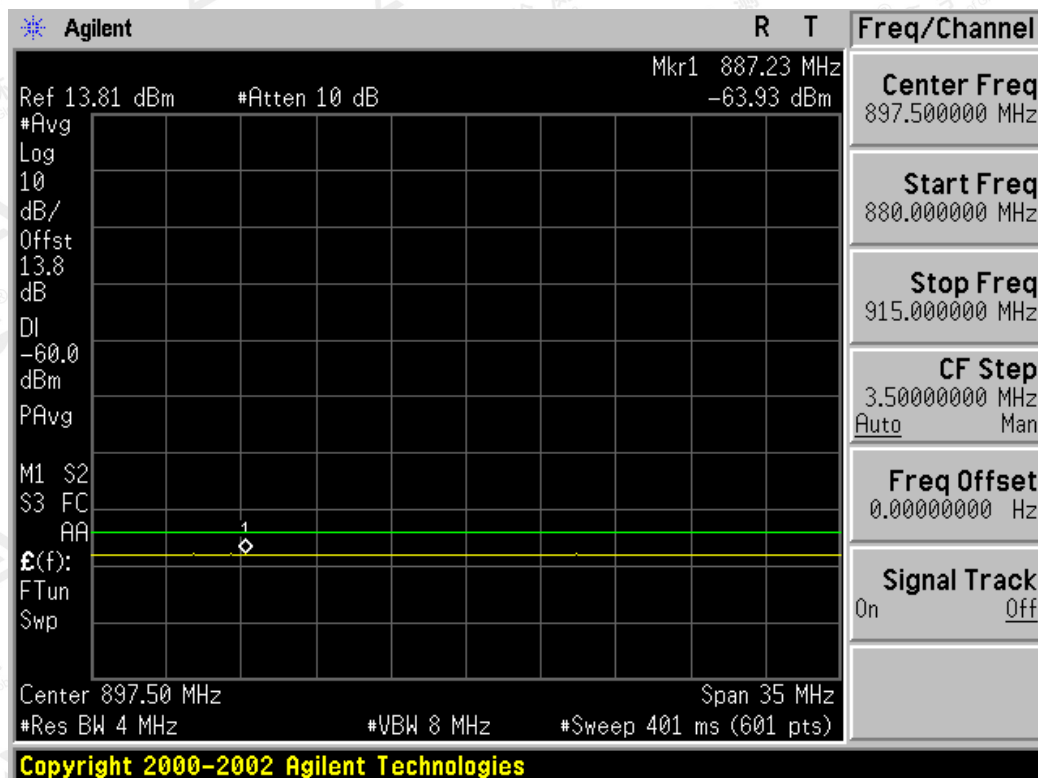


791MHZ~821MHZ

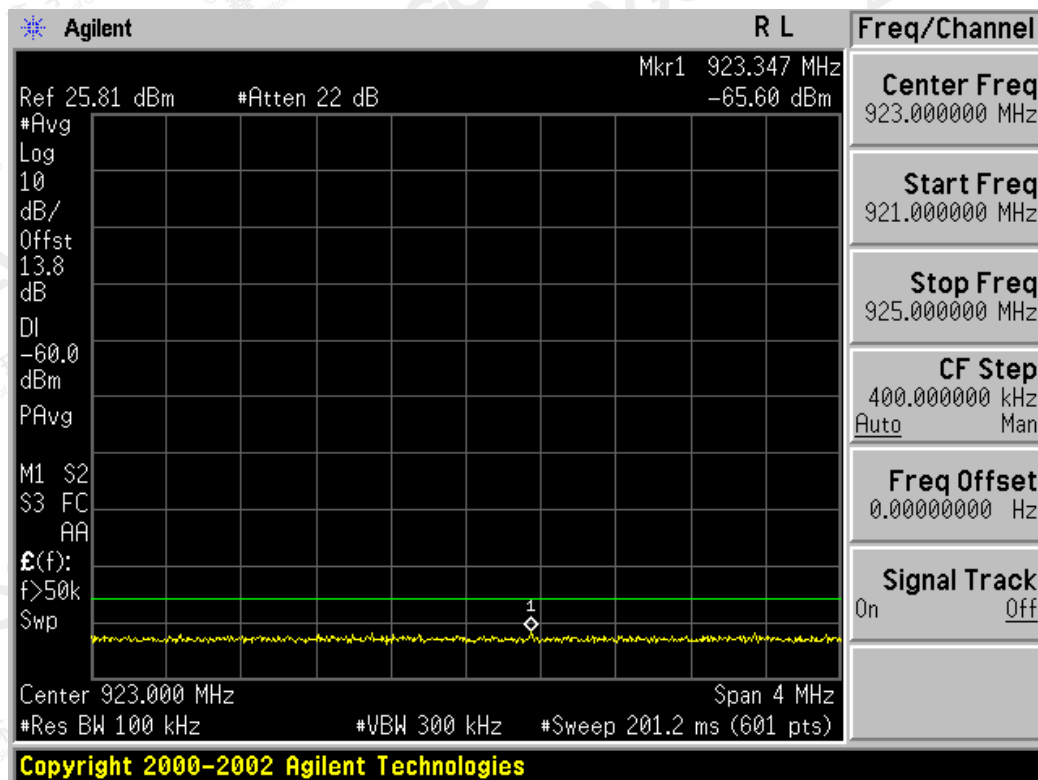


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880MHZ~915MHZ



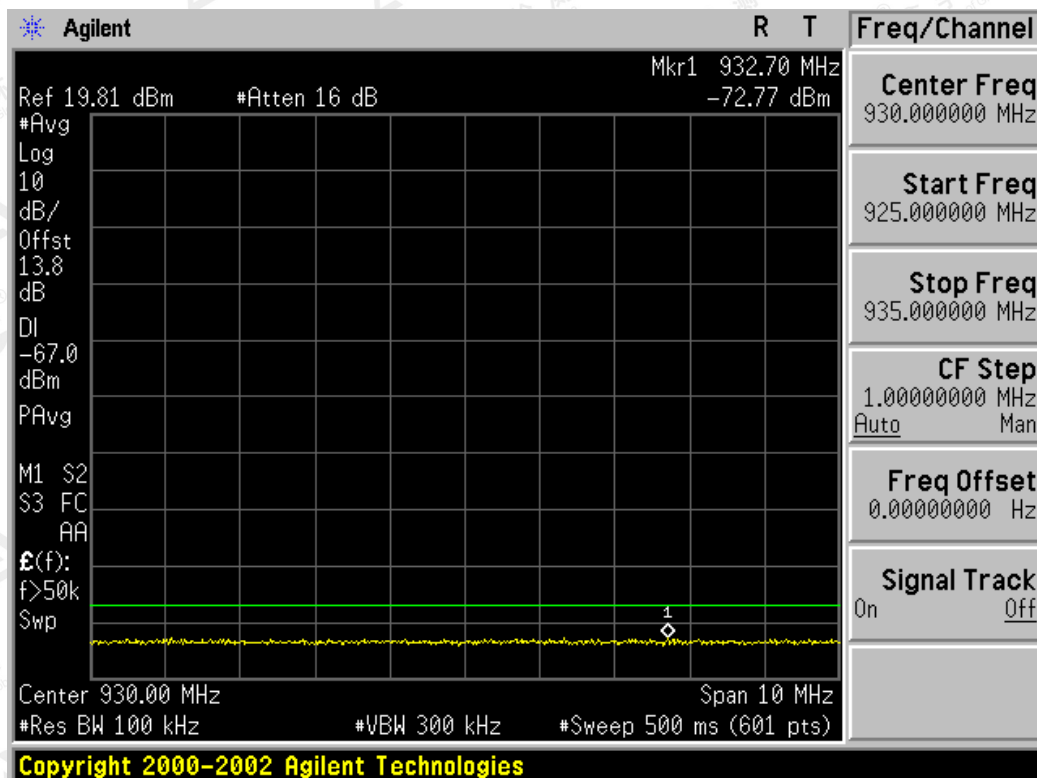
921MHZ~925MHZ



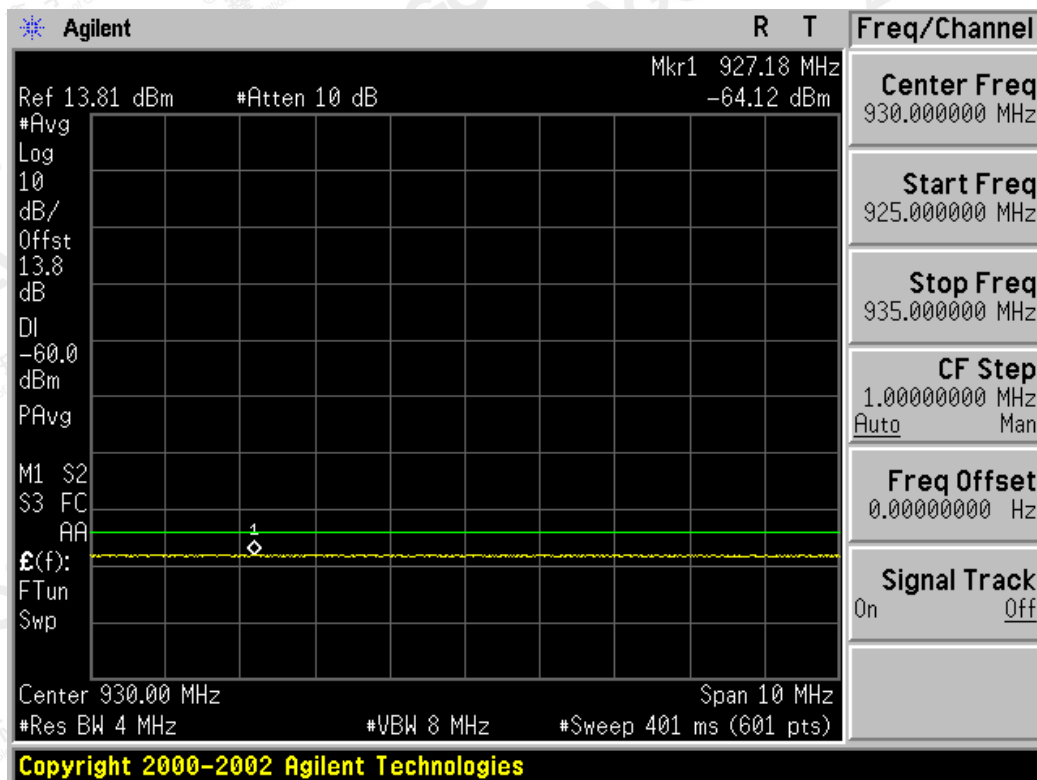
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925MHZ~935MHZ

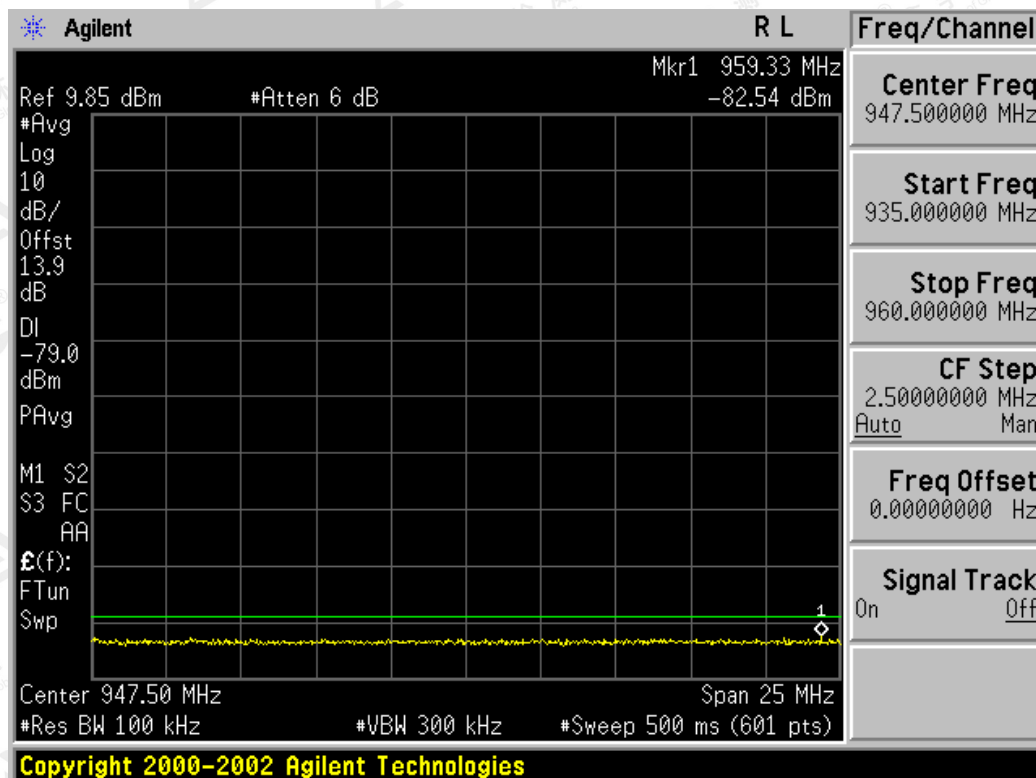


925MHZ~935MHZ

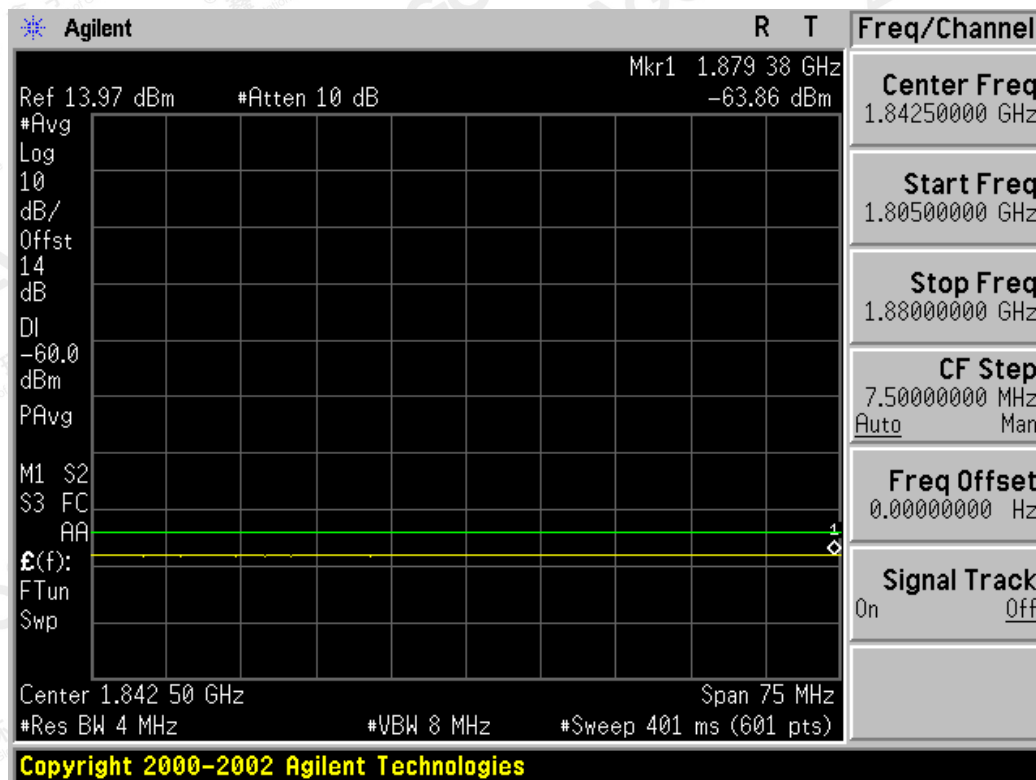


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935MHZ~960MHZ



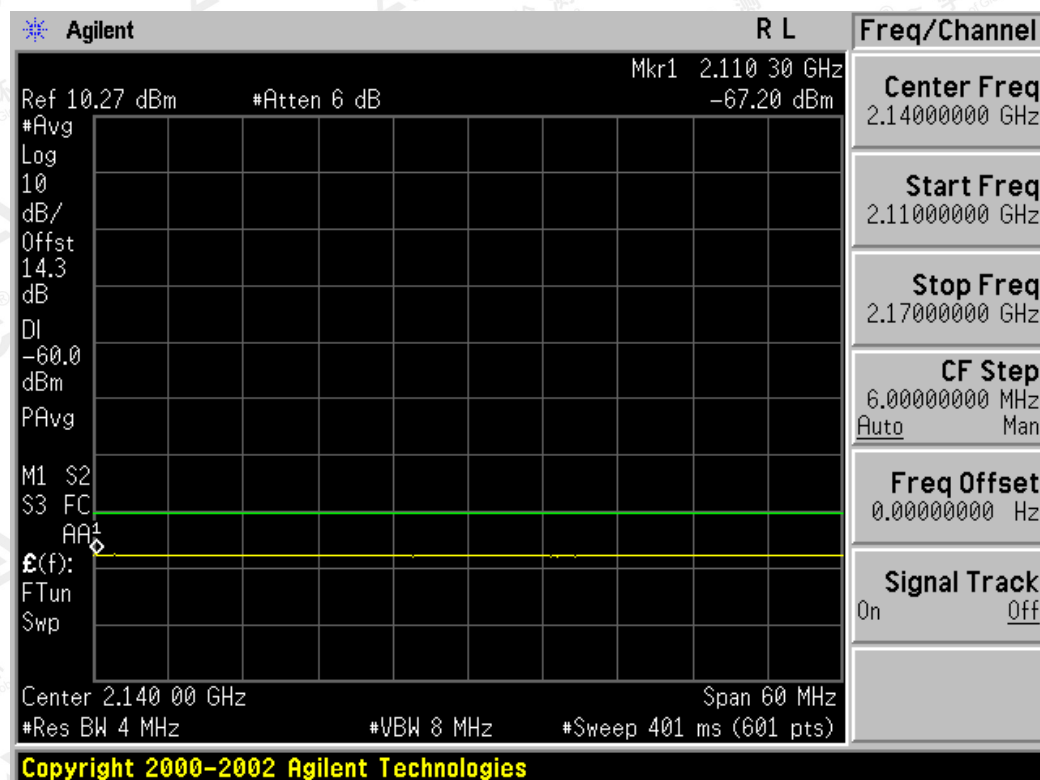
1805MHZ~1880MHZ



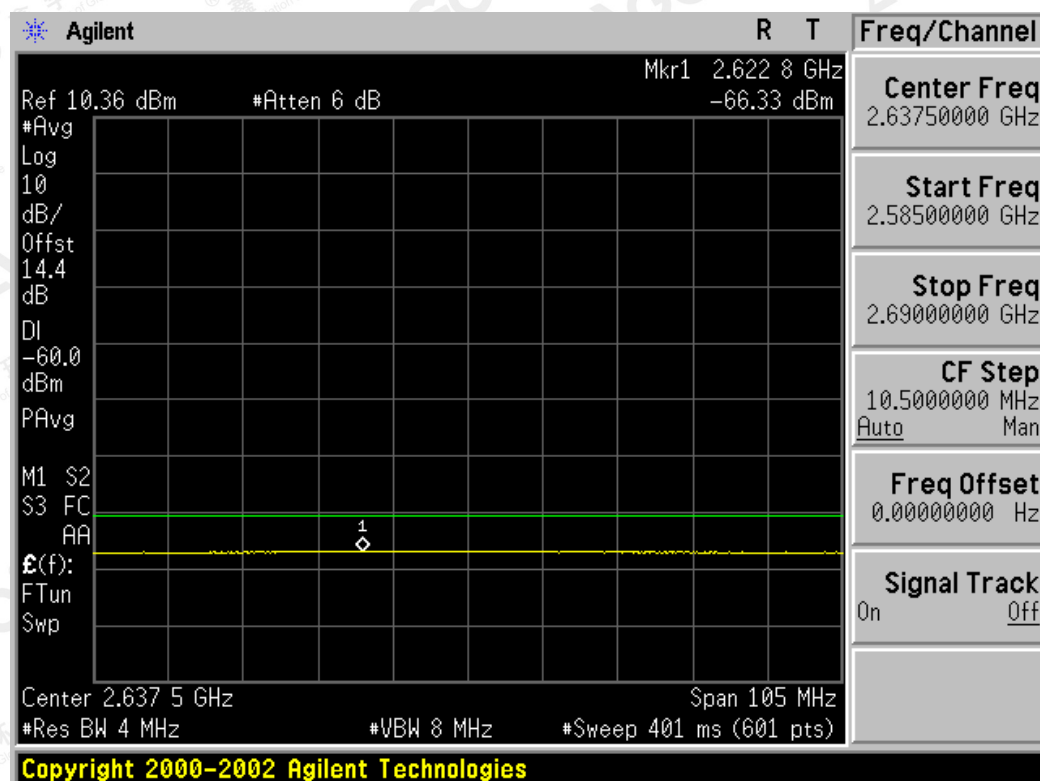
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2110MHZ~2170MHZ

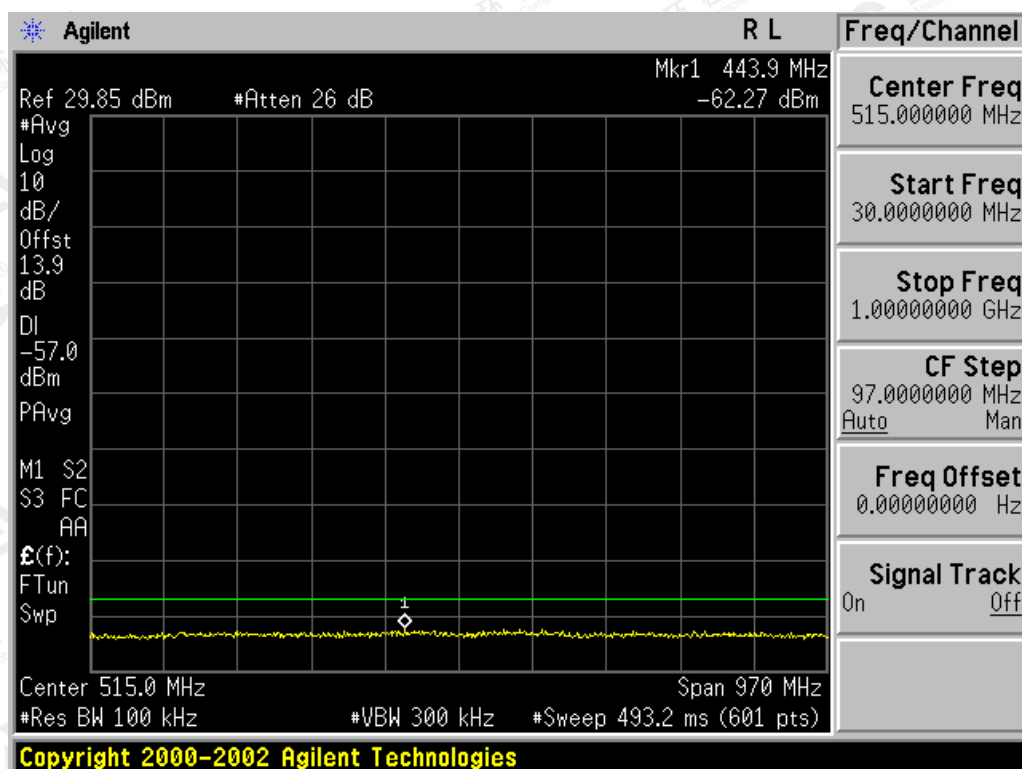


2585MHZ~2690MHZ

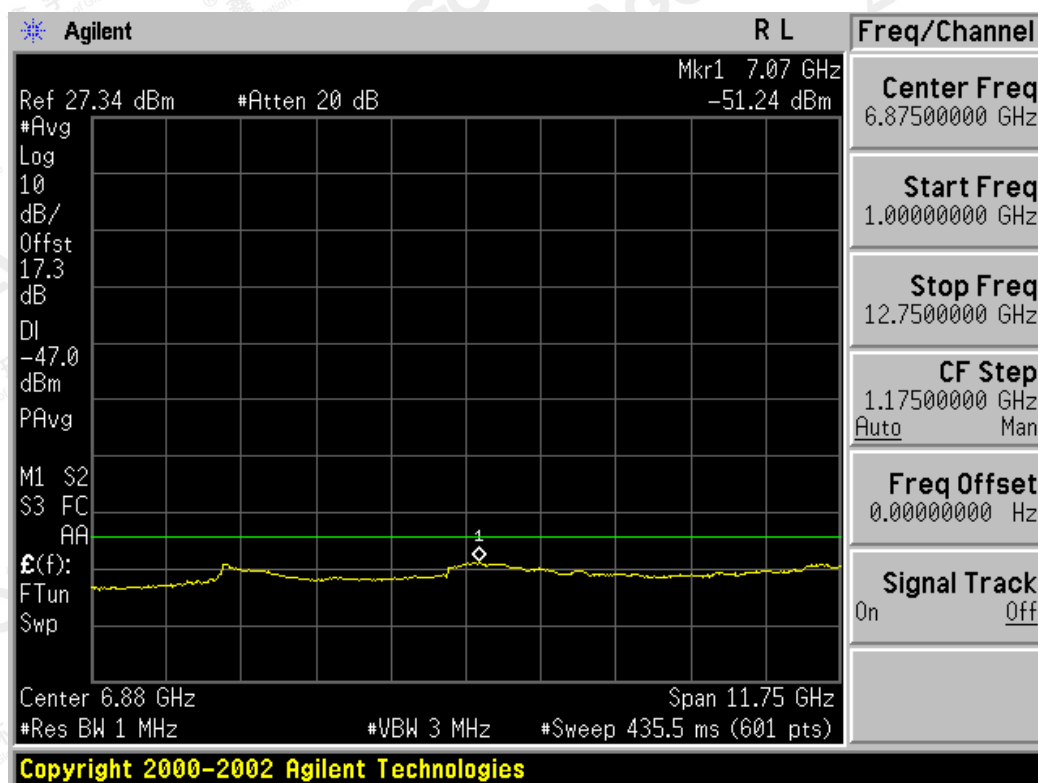


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**Channel MCH**  
30MHz~1GHz



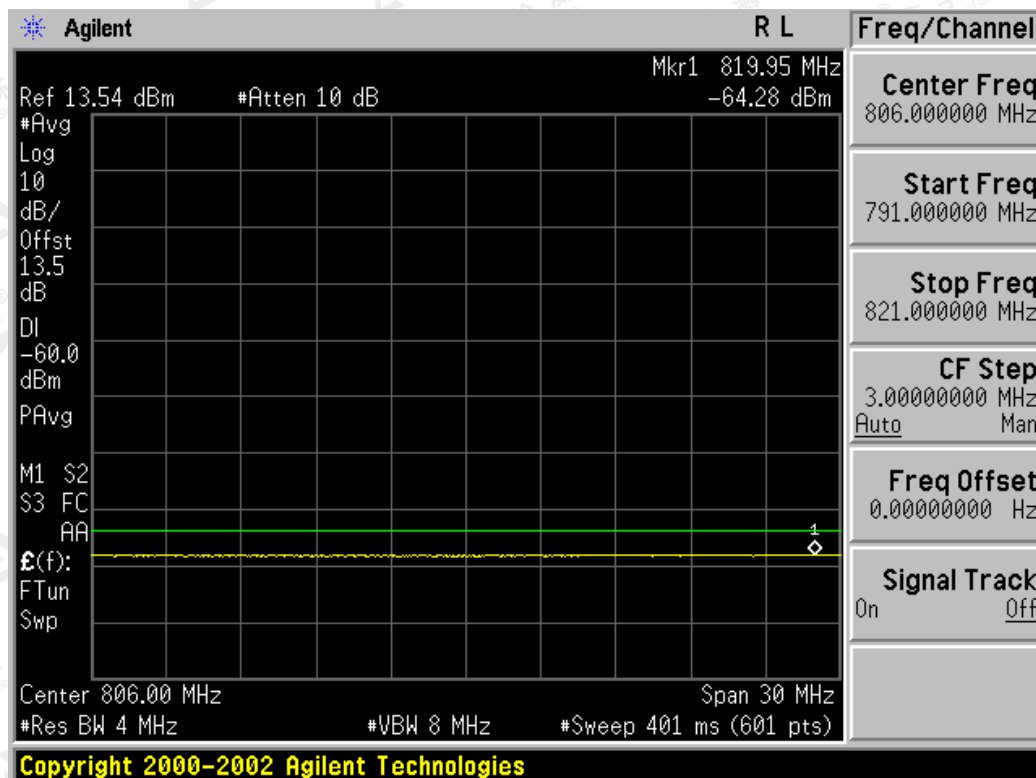
1GHz~12.75GHz



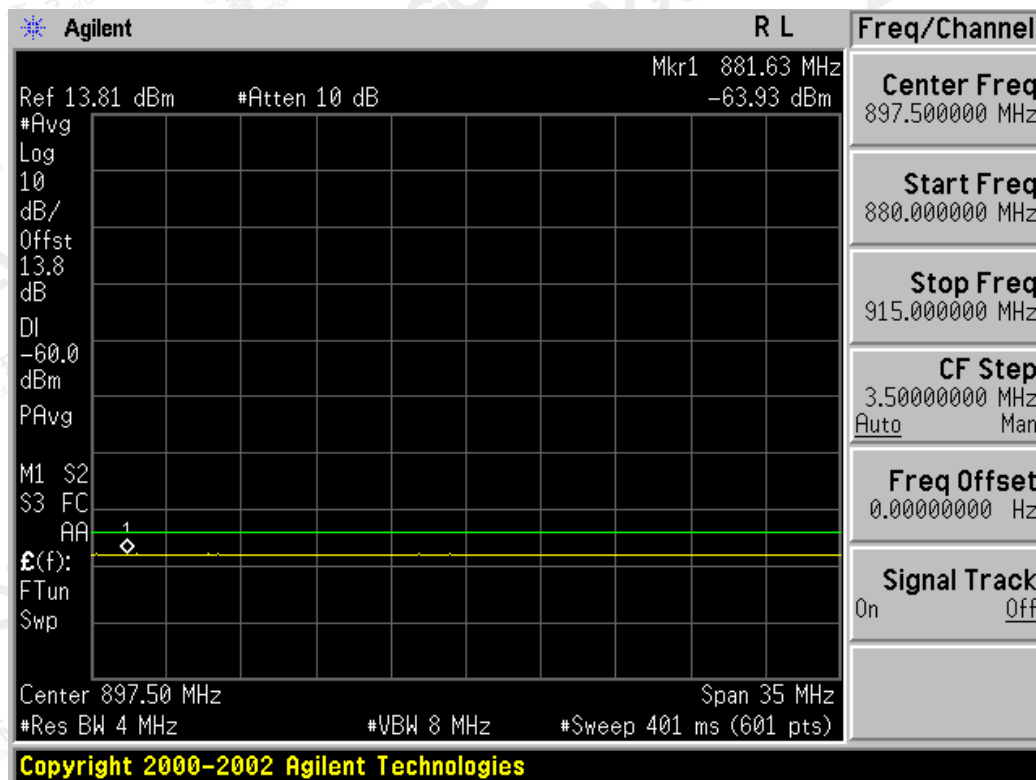
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791MHZ~821MHZ

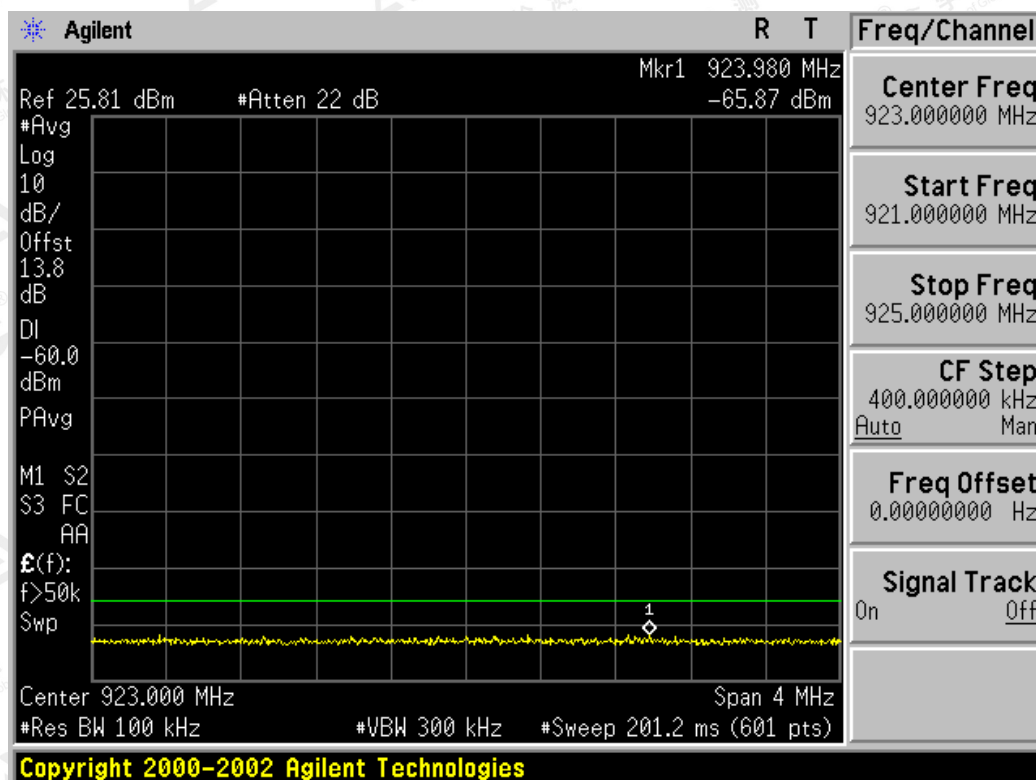


880MHZ~915MHZ

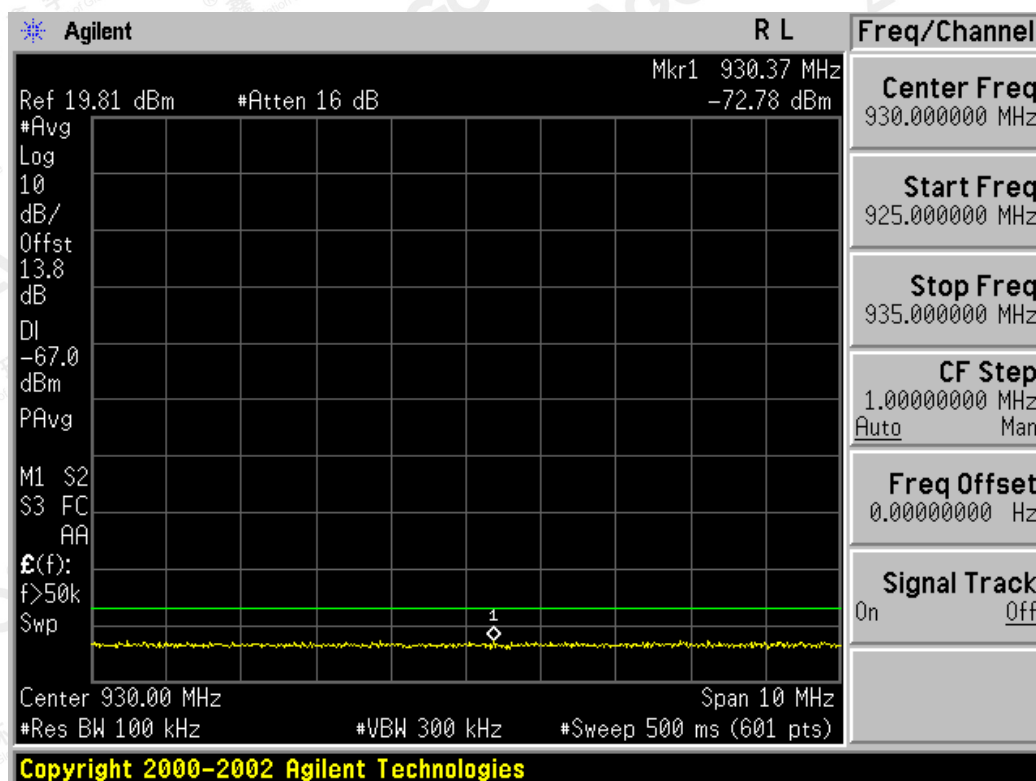


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921MHZ~925MHZ



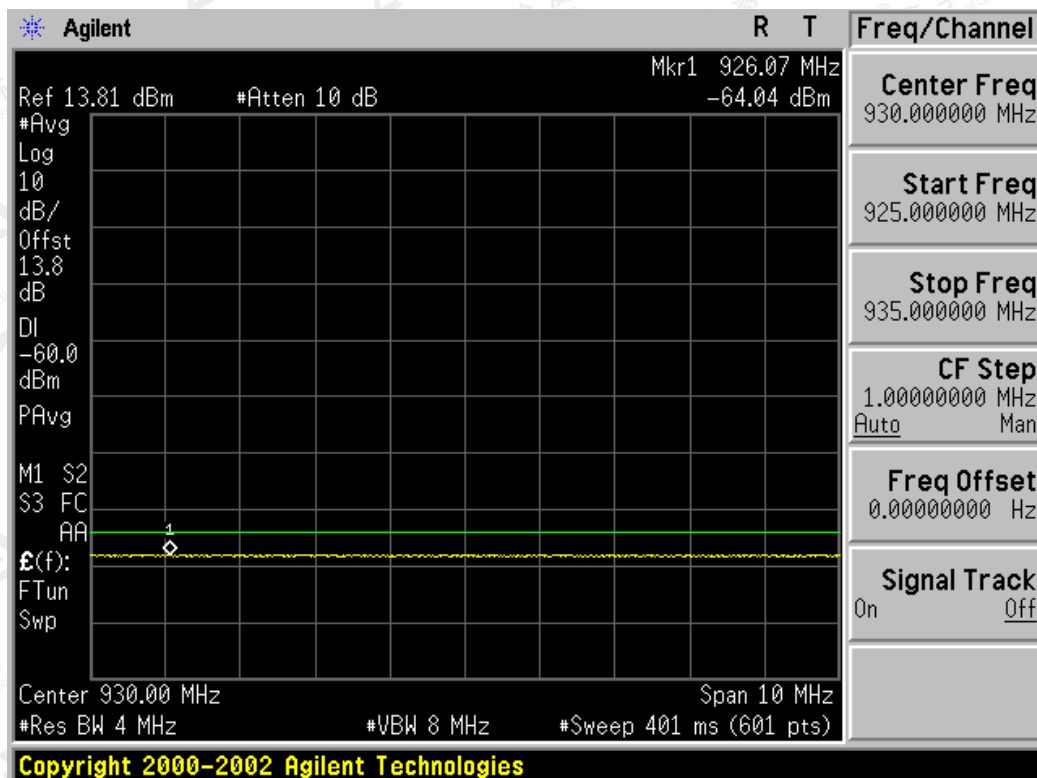
925MHZ~935MHZ



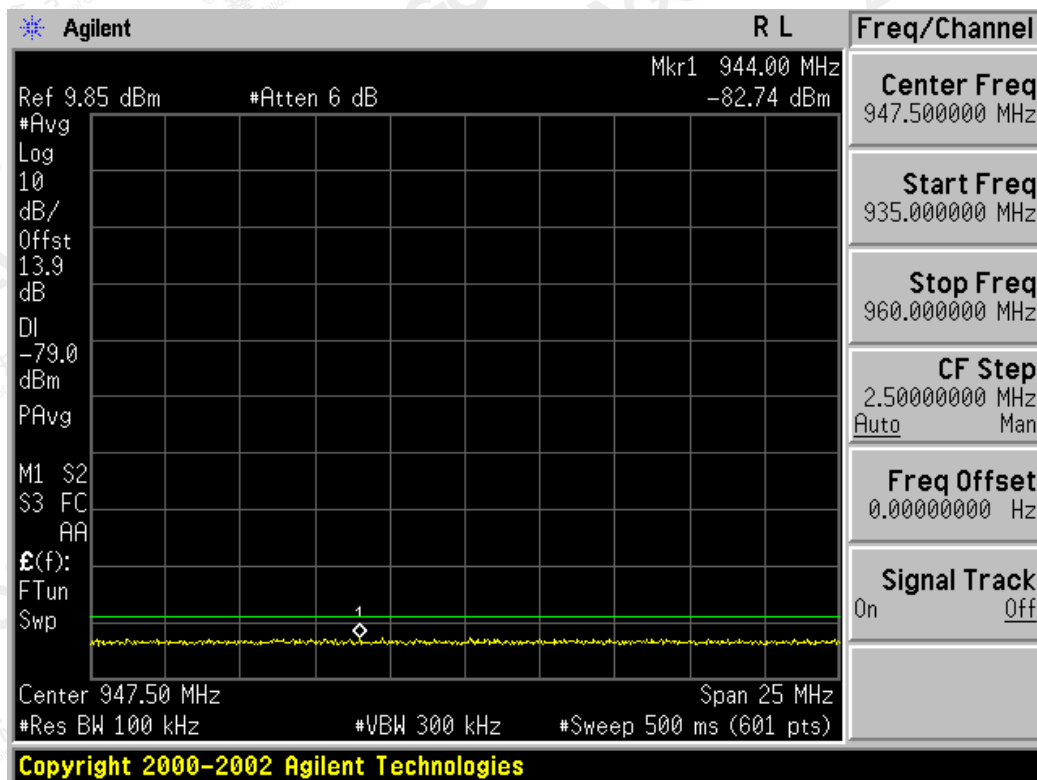
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925MHZ~935MHZ

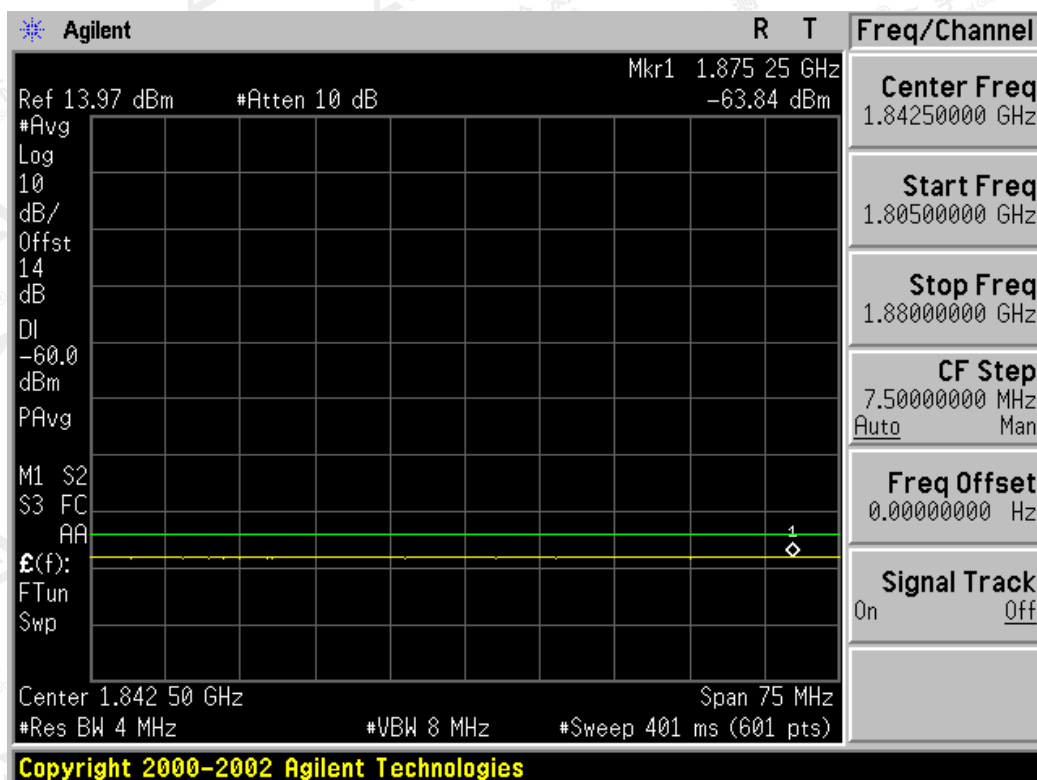


935MHZ~960MHZ

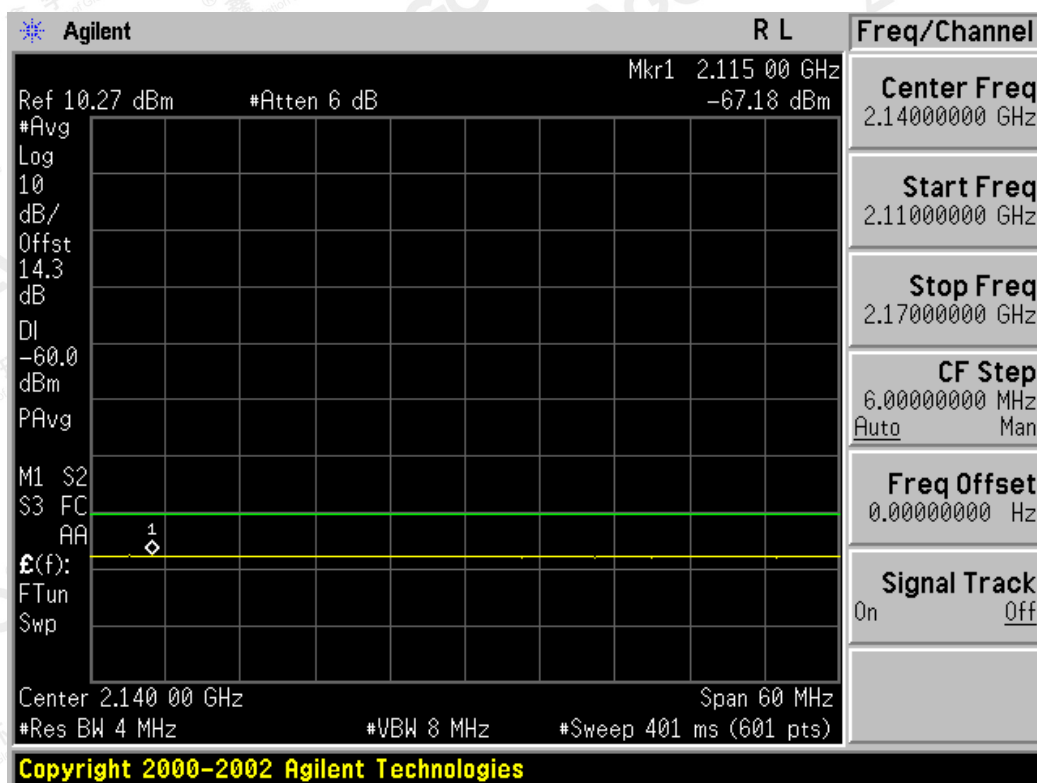


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1805MHZ~1880MHZ



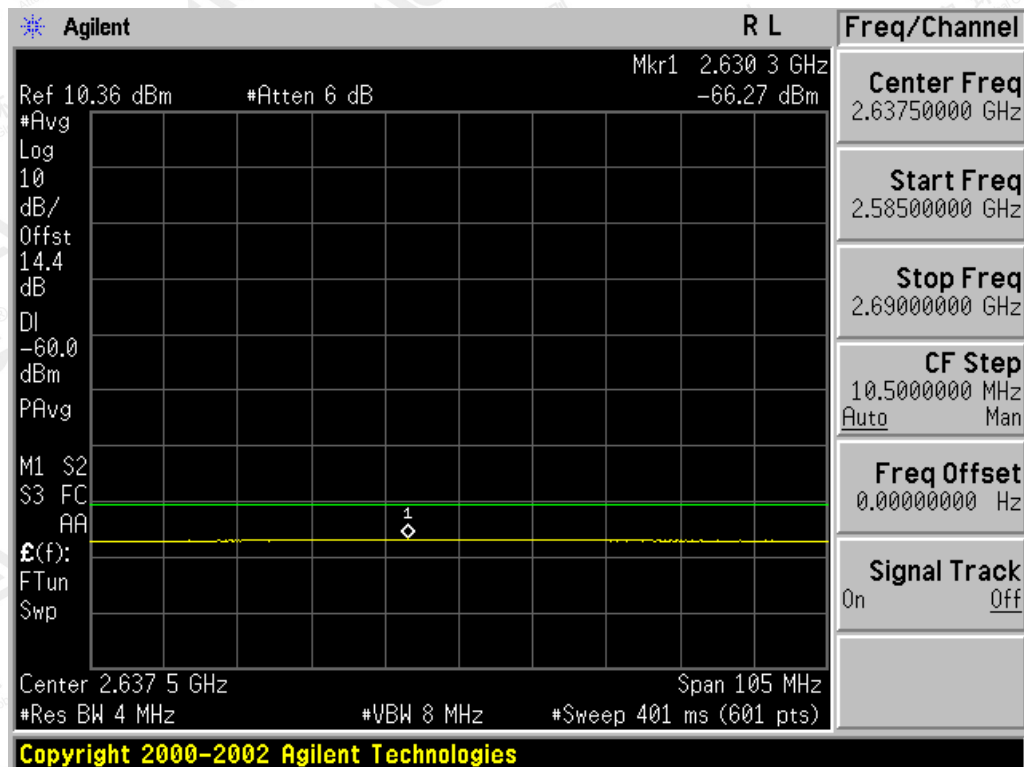
2110MHZ~2170MHZ



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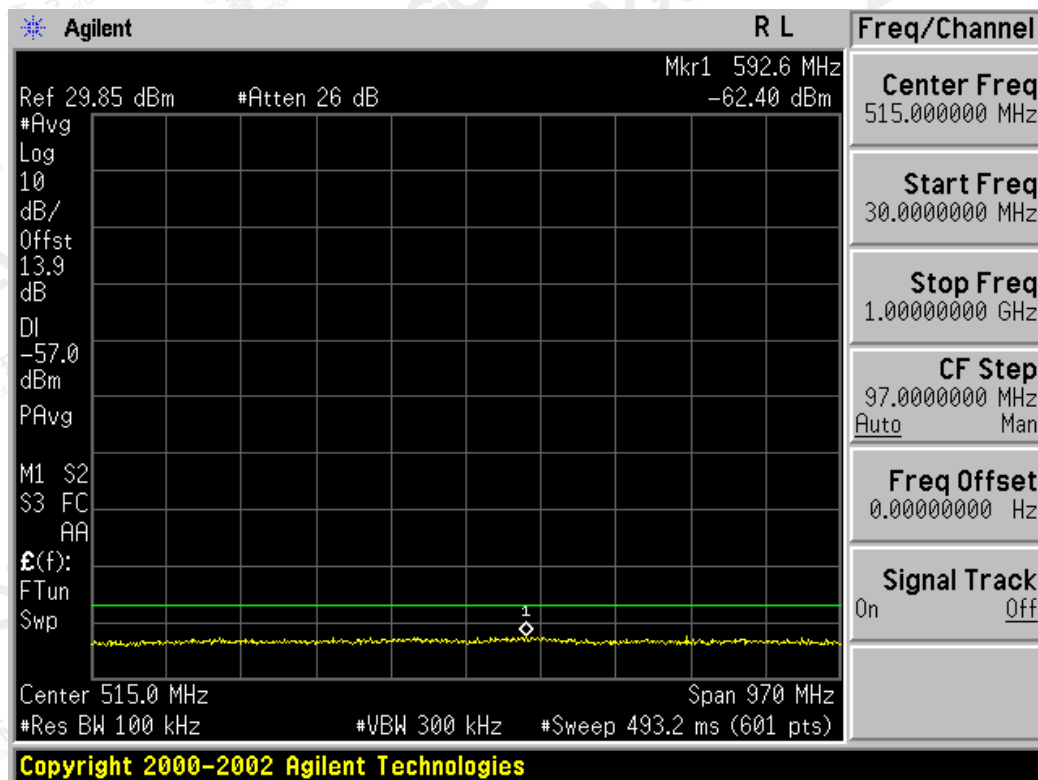


2585MHZ~2690MHZ



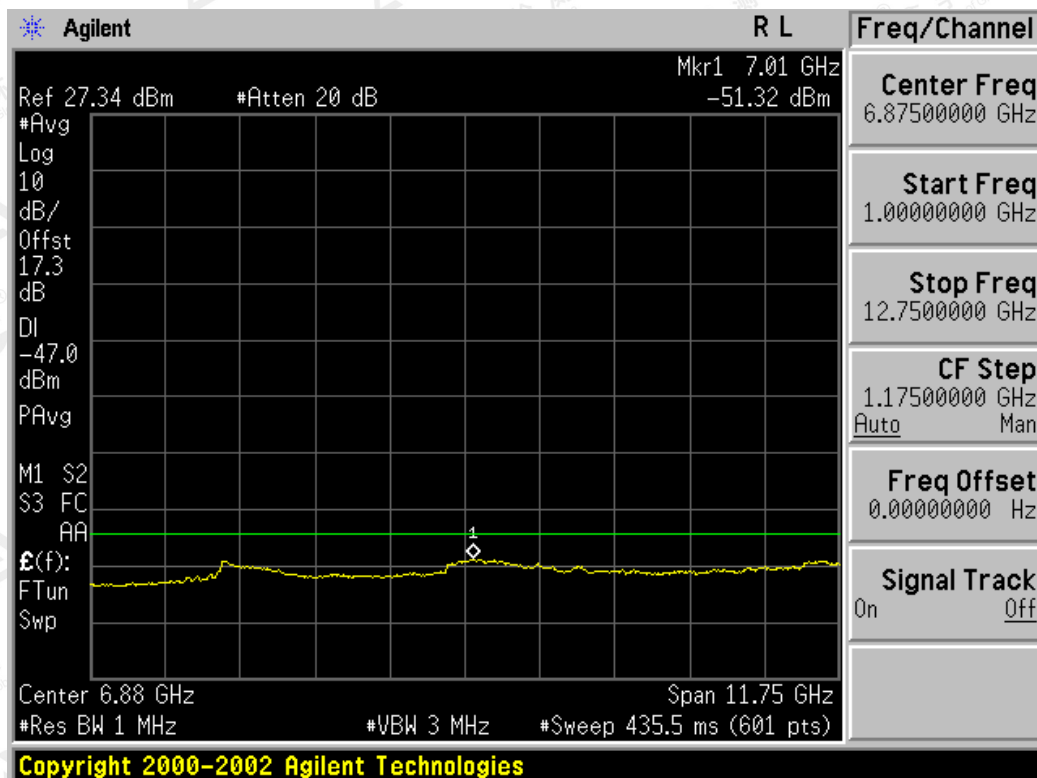
Channel HCH

30MHZ~1GHZ

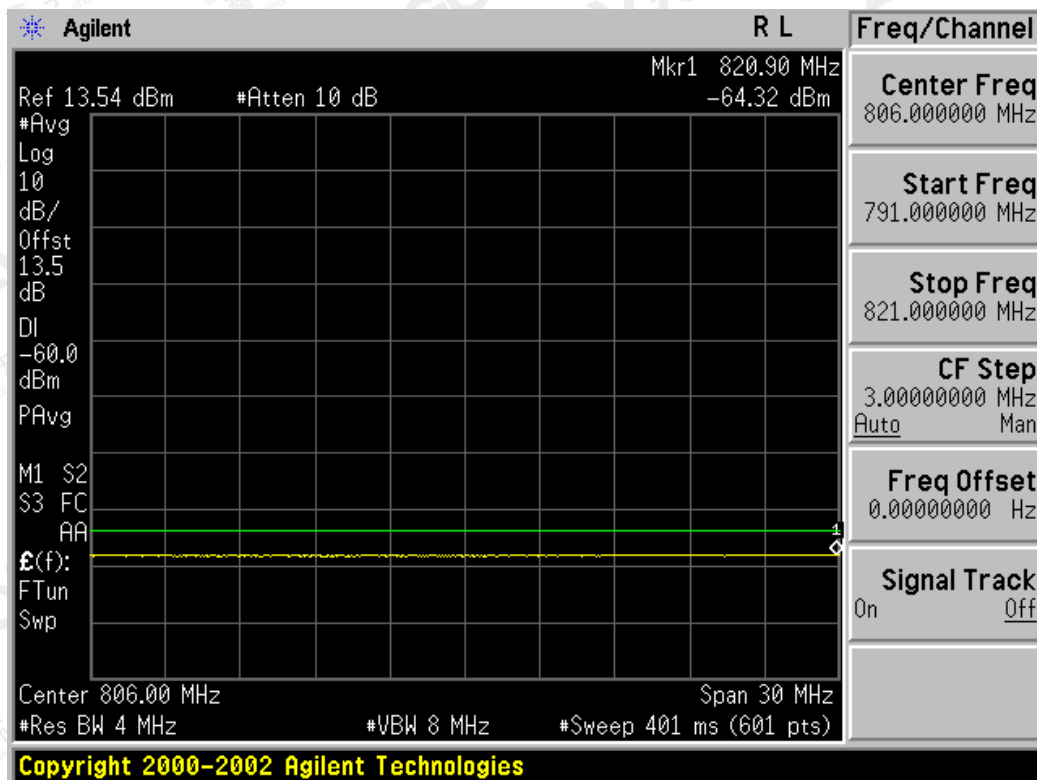


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1GHZ~12.75GHZ

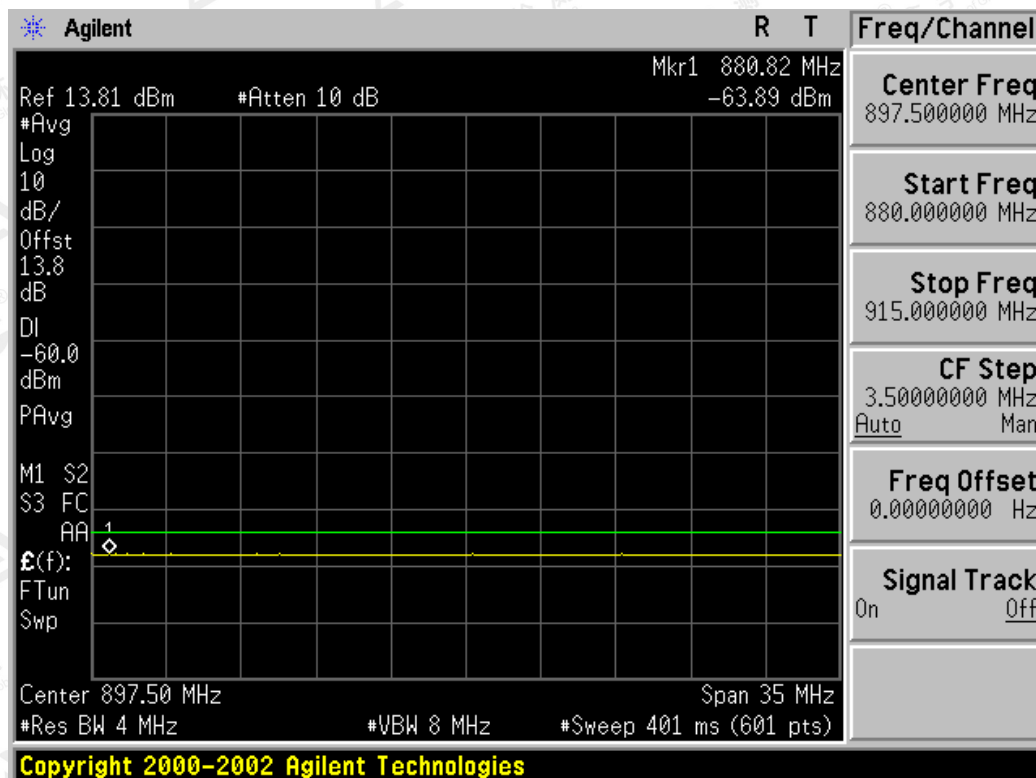


791MHZ~821MHZ

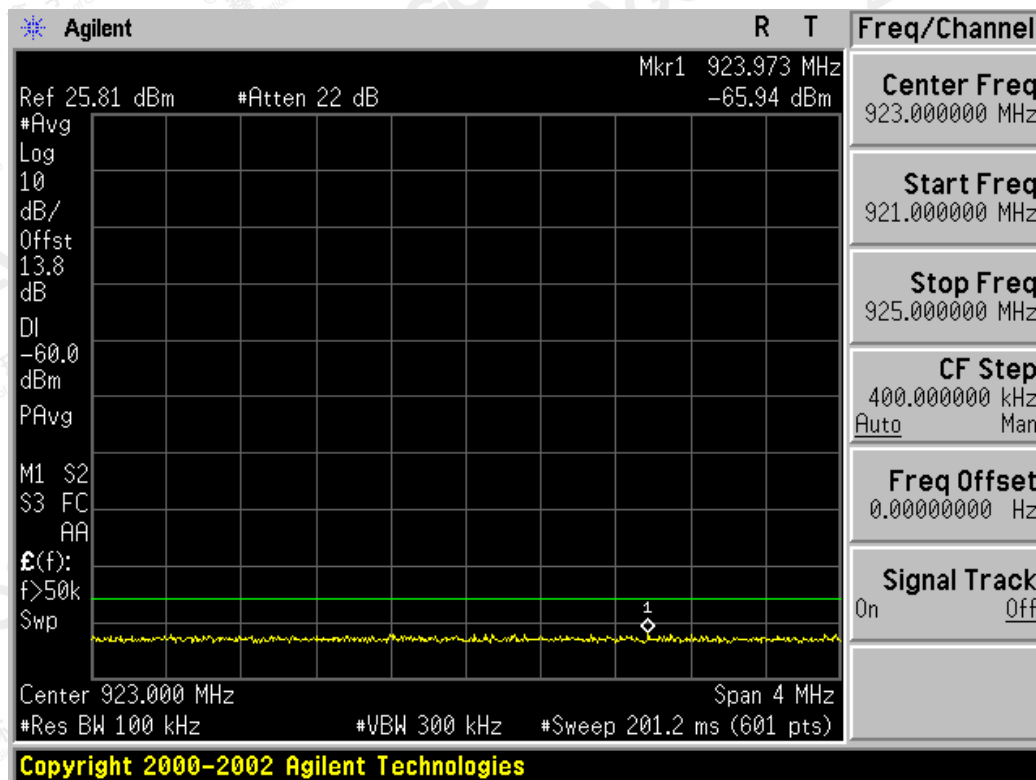


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880MHZ~915MHZ



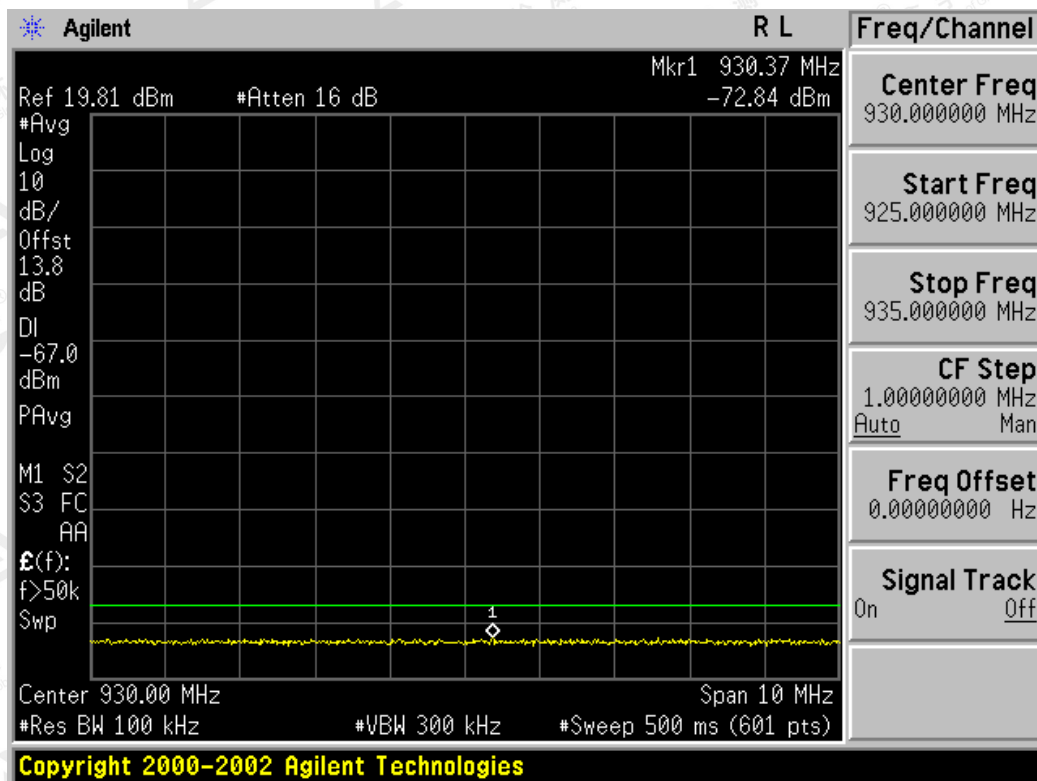
921MHZ~925MHZ



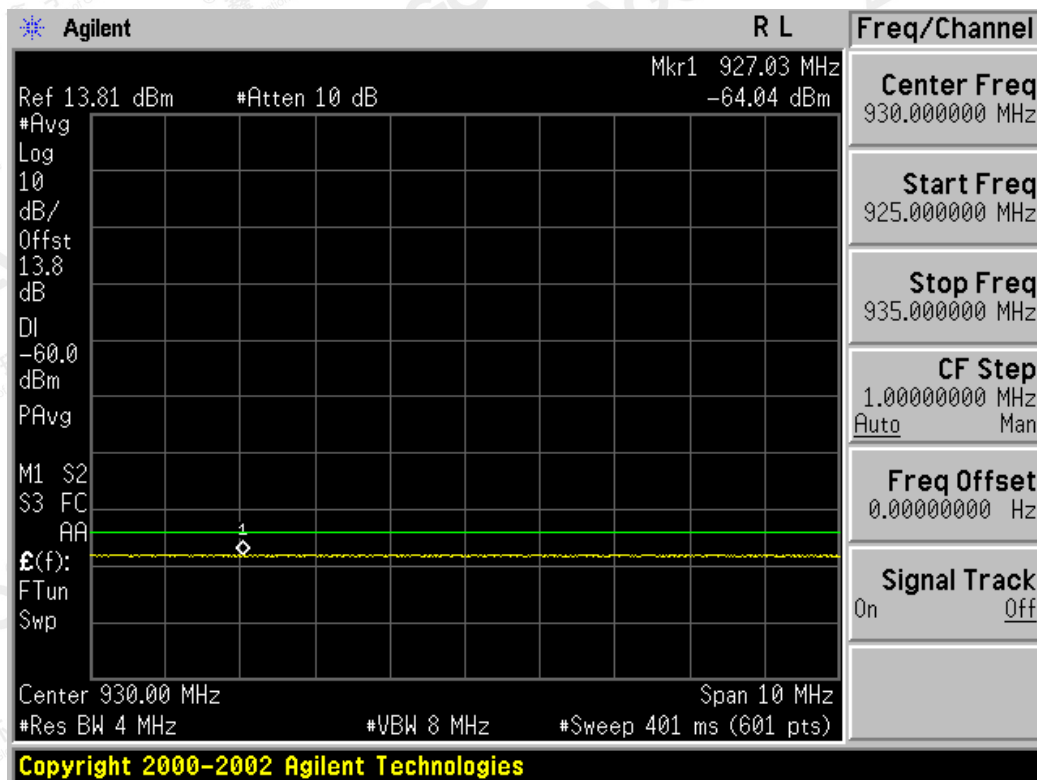
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925MHZ~935MHZ

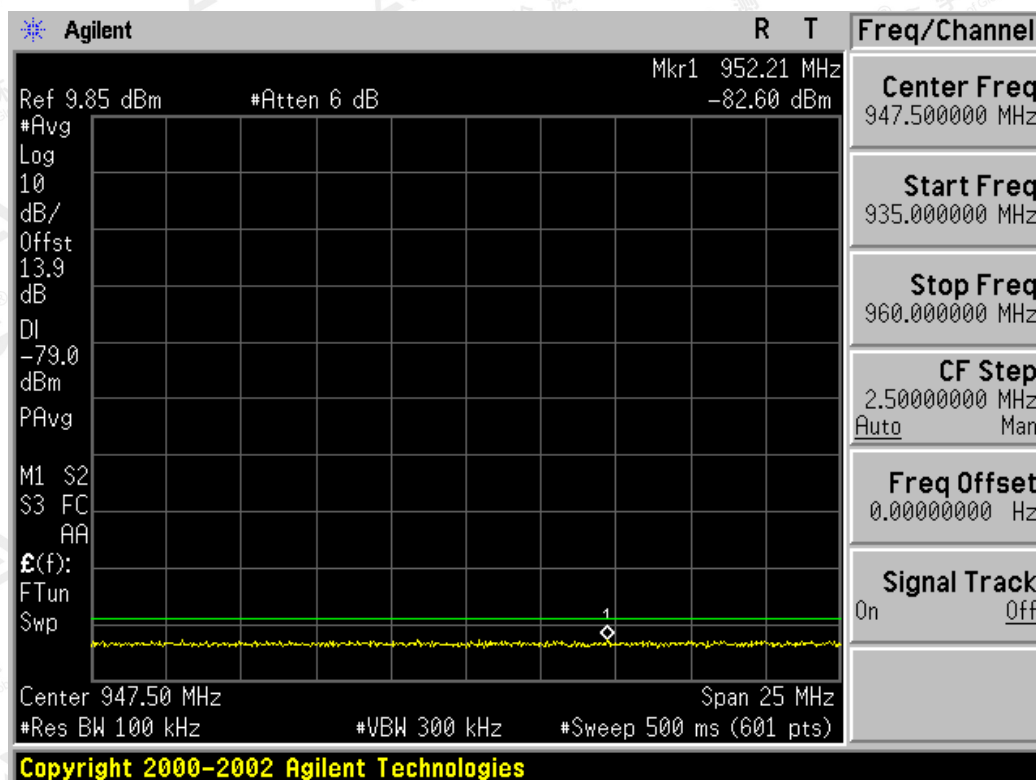


925MHZ~935MHZ

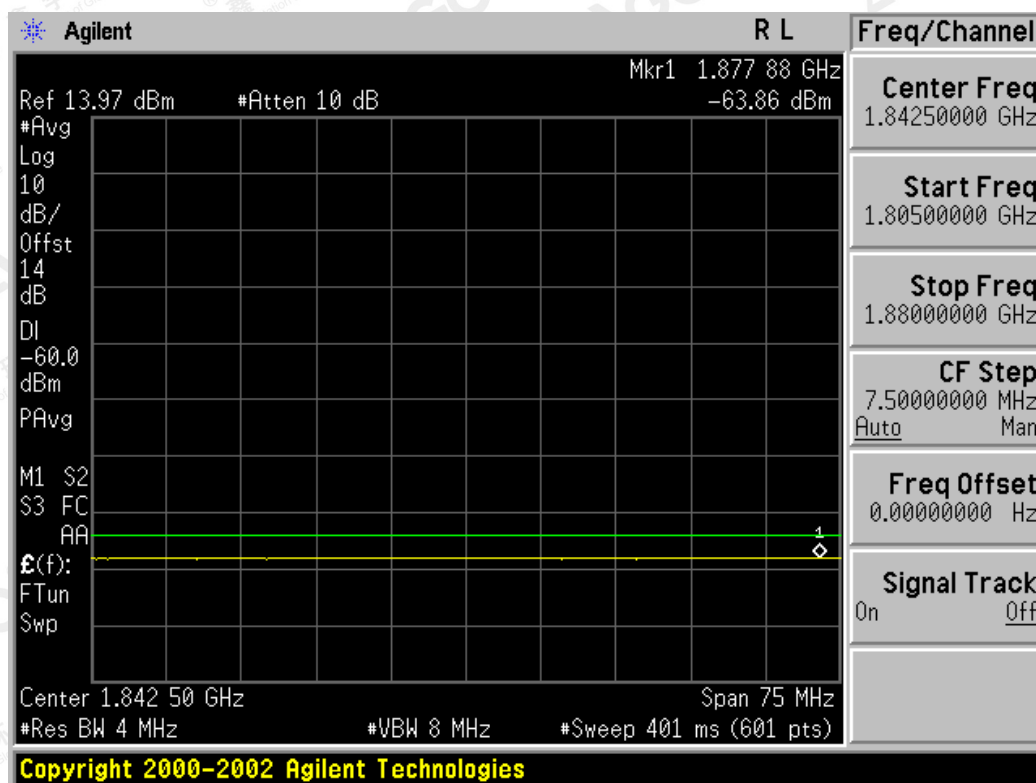


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935MHZ~960MHZ

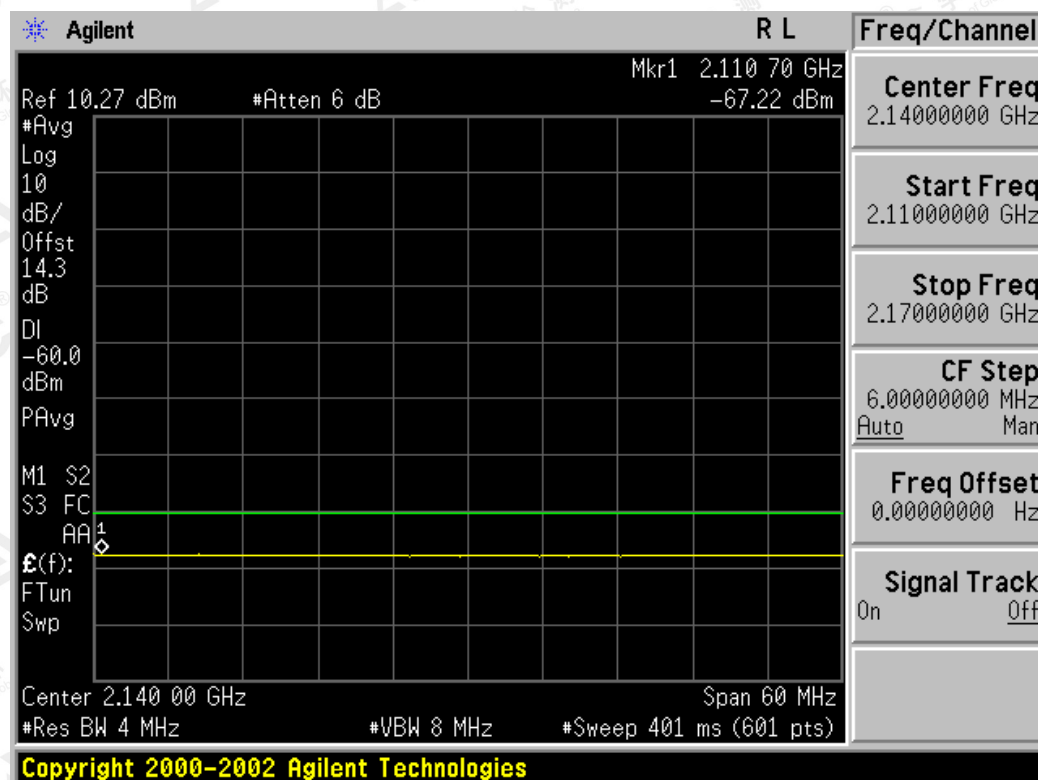


1805MHZ~1880MHZ

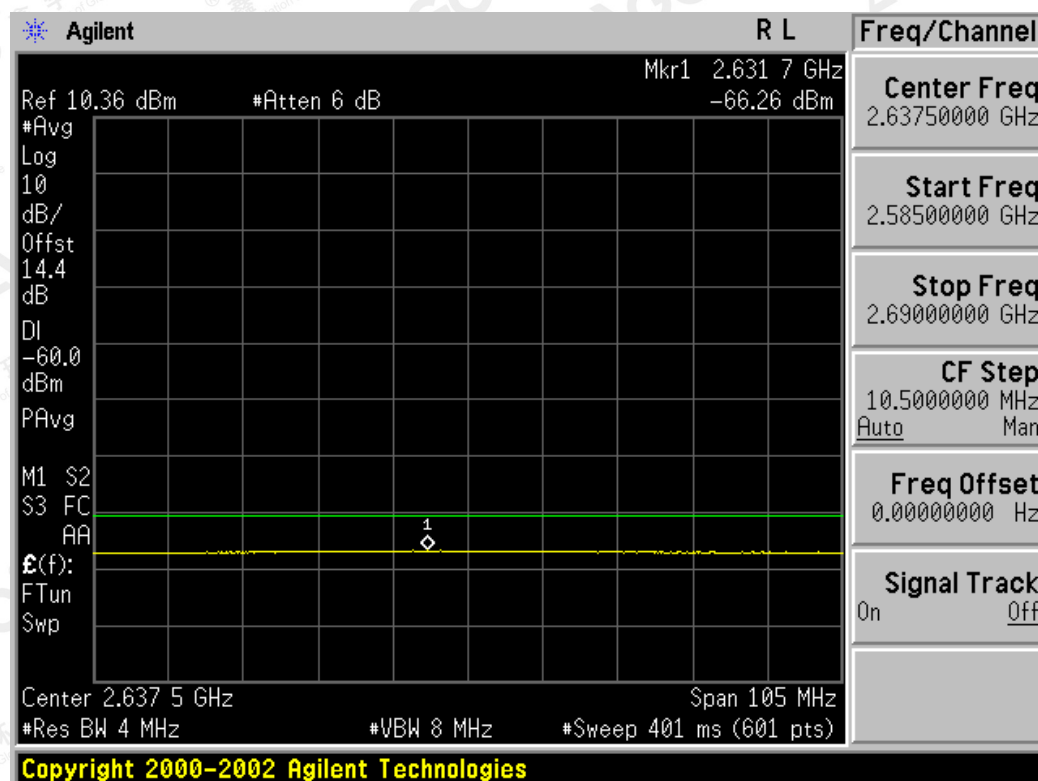


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2110MHZ~2170MHZ



2585MHZ~2690MHZ



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**Appendix M. Receiver channel selectivity(ACS)**

WCDMA Band I			
Parameter	Unit	Case 1	Case 2
loac mean power (modulated)	dBm	-52	-25
Fuw (offset)	MHz	+5 or -5	+5 or -5
UE transmitted mean power	dBm	20	20
BER		0	0
Result		Pass	Pass
WCDMA Band VIII			
Parameter	Unit	Case 1	Case 2
loac mean power (modulated)	dBm	-52	-25
Fuw (offset)	MHz	+5 or -5	+5 or -5
UE transmitted mean power	dBm	20	20
BER		0	0
Result		Pass	Pass

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**Appendix N. Receiver intermodulation characteristics**

WCDMA Band I			
Parameter	Level		Unit
low1 (CW)	-46		dBm
low2 mean power (modulated)	-46		dBm
Fuw1 (offset)	10	-10	MHz
Fuw2 (offset)	20	-20	MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
Result	Pass	Pass	
WCDMA Band VIII			
Parameter	Level		Unit
low1 (CW)	-46		dBm
low2 mean power (modulated)	-46		dBm
Fuw1 (offset)	10	-10	MHz
Fuw2 (offset)	20	-20	MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	

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## Appendix O. Receiver blocking characteristics

### In-band Blocking Test

WCDMA Band I			
Parameter	Unit	Level	
Blocking mean power (modulated)	dBm	-56 (For Fuw offset 10 MHz)	-44 (For Fuw offset 10 MHz)
UE Transmitted mean power	dBm	20 dBm	
Fuw	MHz	$2102.4 \leq f \leq 2177.6$	$2095 \leq f \leq 2185$
BER	%	0	0
Result		Pass	Pass

WCDMA Band VIII			
Parameter	Unit	Level	
Blocking mean power (modulated)	dBm	-56 (For Fuw offset 10 MHz)	-44 (For Fuw offset 10 MHz)
UE Transmitted mean power	dBm	20 dBm	
Fuw	MHz	$2102.4 \leq f \leq 2177.6$	$2095 \leq f \leq 2185$
BER	%	0	0
Result		Pass	Pass

### Out-band Blocking Test

WCDMA Band I				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency range 3
Blocking (cw)	dBm	-44	-30	-15
Fuw	MHz	$2050 < f < 2095$ $2185 < f < 2230$	$2025 < f \leq 2050$ $2230 \leq f < 2255$	$1 < f < 2025$ $2255 \leq f < 12750$
Spurious Response Frequencies	MHz	NO	NO	NO
BER	%	0	0	0
Result		Pass	Pass	Pass

WCDMA Band VIII				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency range 3

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Blocking (cw)	dBm	-44	-30	-15
Fuw	MHz	2050<f <2095 2185<f <2230	2025 <f ≤2050 2230 ≤f <2255	1 < f ≤2025 2255≤f<12750
Spurious Response Frequencies	MHz	NO	NO	NO
BER	%	0	0	0
Result		Pass	Pass	Pass

**Narrow Band Blocking Test:**

WCDMA Band I		
Parameter	Unit	Level
blocking (GMSK)	dBm	-56
Fuw (offset)		2.8
UE Transmitted mean power	dBm	20 dBm
BER	%	0
Result		Pass
WCDMA Band VIII		
Parameter	Unit	Level
blocking (GMSK)	dBm	-56
Fuw (offset)		2.8
UE Transmitted mean power	dBm	20 dBm
BER	%	0
Result		Pass

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**Appendix P. Out-of-synchronization handling of output power**

WCDMA Band I			
Parameter	Level		Unit
I or loc	-1		dB
loc	-60		dBm
<u>DPDCH Ec</u> lor	-19,6		dB
Result	Pass	Pass	
WCDMA Band VIII			
Parameter	Level		Unit
I or loc	-1		dB
loc	-60		dBm
<u>DPDCH Ec</u> lor	-19,6		dB
Result	Pass	Pass	

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## Appendix Q. Receiver Reference Sensitivity level

Note: All test modes were carried out for all operation modes and record the worst test mode (BAND I & BAND VIII TNVN) of fellow:

WCDMA Band I				
	Parameter	Unit	DPCH_Ec<REFSENS>	<REFlor>
		dBm/3.84 MHz	-116,3	-106
TNVN	BER	%	0	0
	Result		Pass	Pass
WCDMA Band VIII				
	Parameter	Unit	DPCH_Ec<REFSENS>	<REFlor>
		dBm/3.84 MHz	-116,3	-106
TNVN	BER	%	0	0
	Result		Pass	Pass

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**Appendix R. Receiver Characteristics/Spurious Response**

WCDMA Band I			
Parameter	Level		Unit
Iblocking(CW)	-46		dBm
Fuw	Spurious response frequencies		MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	
WCDMA Band VIII			
Parameter	Level		Unit
Iblocking(CW)	-46		dBm
Fuw	Spurious response frequencies		MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	

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**Appendix S . Radiated spurious emissions - MS in idle mode**

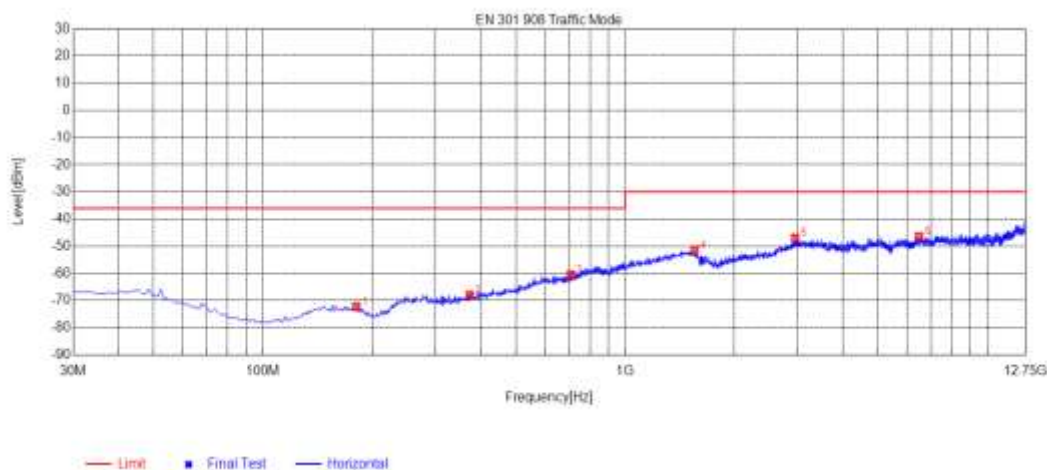
Frequency	RBW	Max .Level (dbm)	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.45	-62.69	-62.36	Pass
1 GHz ≤f ≤ 12,75 GHz	1 MHz	-47	-62.25	-62.13	-61.10	Pass
791 MHz ≤f ≤ 821 MHz	3.84 MHz	-60	-67.11	-67.22	-67.23	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-72.36	-72.42	-72.28	Pass
925 MHz ≤f ≤ 935 MHz	100 kHz	-67	-76.96	-76.78	-76.80	Pass
935 MHz < f ≤ 960 MHz	100 kHz	-79	-84.48	-84.52	-84.63	Pass
1805MHz ≤f ≤ 1880MHz	100 kHz	-60	-82.21	-82.13	-82.41	Pass
1920MHz ≤f ≤ 1980MHz	3.84 MHz	-60	-71.16	-71.21	-71.43	Pass
2 110 MHz ≤f ≤ 2 170 MHz	3.84 MHz	-60	-70.16	-70.16	-70.23	Pass
2 585 MHz ≤f ≤ 2 690 MHz	3.84 MHz	-60	-68.44	-68.39	-68.44	Pass

Frequency	RBW	Max .Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-66.00	-66.10	-66.04	Pass
1 GHz ≤f ≤12,75 GHz	1 MHz	-47	-53.16	-53.23	-53.21	Pass
791 MHz ≤f ≤821 MHz	3.84 MHz	-60	-71.19	-71.24	-71.16	Pass
880 MHz ≤f < 915 MHz	3.84 MHz	-60	-72.42	-72.64	-72.59	Pass
921 MHz ≤f ≤925 MHz	100 kHz	-60	-70.28	-70.52	-70.57	Pass
925 MHz ≤f ≤935 MHz	100 kHz	-67	-75.44	-75.34	-75.44	Pass
925 MHz ≤f ≤935 MHz	3.84 MHz	-60	-73.13	-73.23	-73.36	Pass
935 MHz < f ≤960 MHz	100 kHz	-79	-85.01	-85.11	-85.23	Pass
1805MHz ≤f ≤1880MHz	3.84 MHz	-60	-72.11	-72.19	-72.10	Pass
2 110 MHz ≤f ≤2 170 MHz	3.84 MHz	-60	-75.63	-75.58	-75.66	Pass
2 585 MHz ≤f ≤2 690 MHz	3.84 MHz	-60	-72.79	-72.34	-72.42	Pass

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## Appendix T. Radiated spurious emissions test result

### RADIATED SPURIOUS EMISSIONS UMTS BAND I 1GHZ- HORIZONTAL

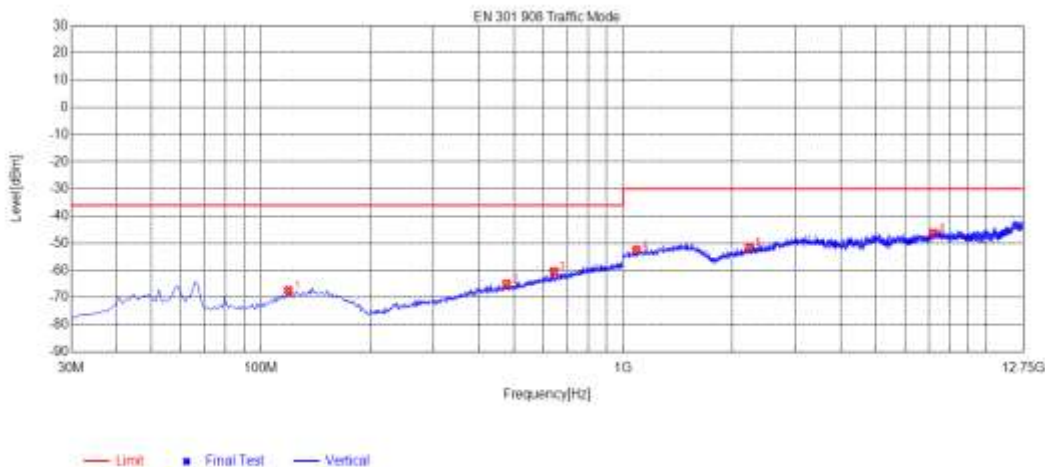


NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	181.3200	-101.51	-72.14	-36.00	36.14	29.37	200	Horizontal
2	372.4100	-101.66	-67.92	-36.00	31.92	33.74	100	Horizontal
3	708.0300	-100.80	-60.42	-36.00	24.42	40.38	20	Horizontal
4	1557.0614	-53.00	-51.28	-30.00	21.28	1.72	60	Horizontal
5	2948.5397	-53.11	-46.93	-30.00	16.93	6.18	340	Horizontal
6	6478.9458	-57.74	-46.31	-30.00	16.31	11.43	360	Horizontal

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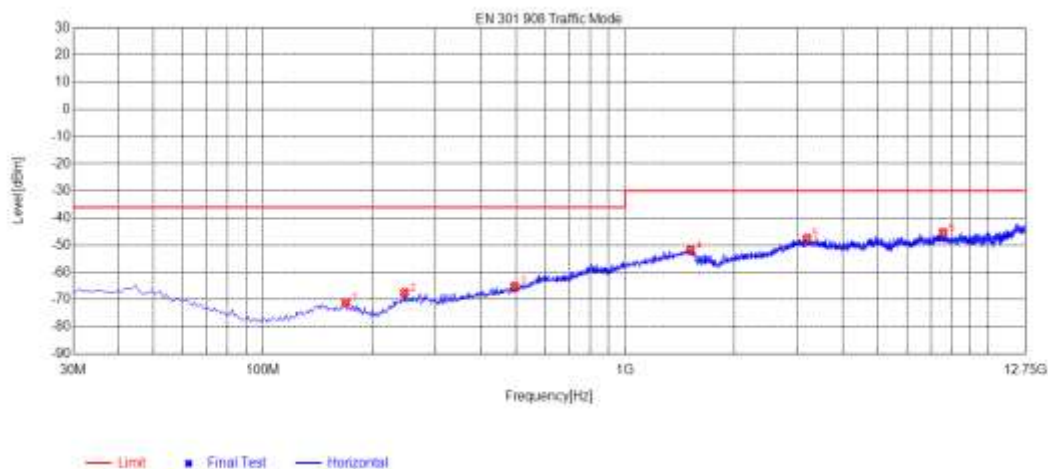
# RADIATED SPURIOUS EMISSIONS UMTS BAND I 1GHZ-VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	119.2400	-100.26	-67.36	-36.00	31.36	32.90	200	Vertical
2	477.1700	-101.07	-65.00	-36.00	29.00	36.07	250	Vertical
3	644.9800	-99.88	-60.38	-36.00	24.38	39.50	220	Vertical
4	1089.3179	-52.10	-52.48	-30.00	22.48	-0.38	350	Vertical
5	2229.2959	-53.62	-51.51	-30.00	21.51	2.11	130	Vertical
6	7193.4887	-58.95	-46.24	-30.00	16.24	12.71	360	Vertical

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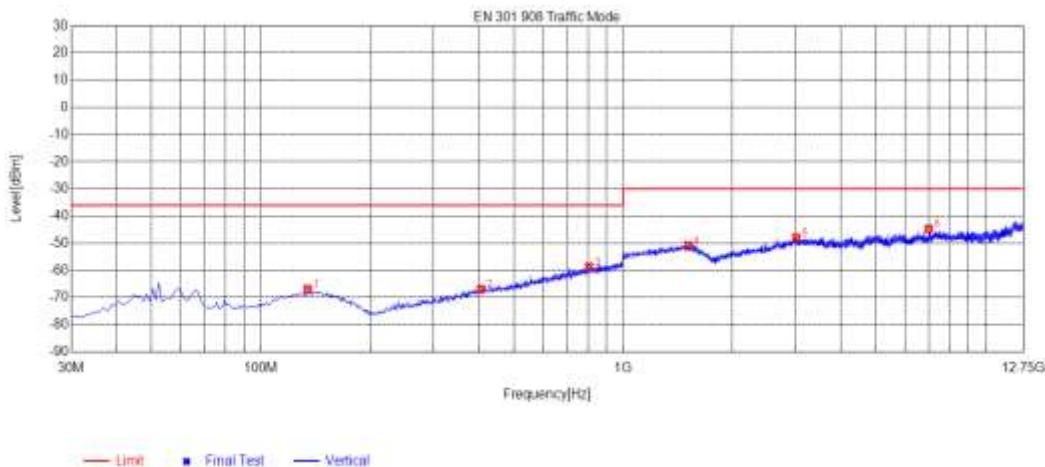
RADIATED SPURIOUS EMISSIONS UMTS BAND VIII 1GHZ- HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	169.6800	-100.52	-71.10	-36.00	35.10	29.42	50	Horizontal
2	246.3100	-99.58	-67.47	-36.00	31.47	32.11	260	Horizontal
3	495.6000	-101.29	-65.04	-36.00	29.04	36.25	40	Horizontal
4	1517.1034	-53.54	-51.71	-30.00	21.71	1.83	230	Horizontal
5	3176.5353	-54.11	-47.45	-30.00	17.45	6.66	240	Horizontal
6	7548.4097	-58.50	-45.29	-30.00	15.29	13.21	310	Horizontal

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RADIATED SPURIOUS EMISSIONS UMTS BAND VIII 1GHZ-VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	134.7600	-100.84	-66.80	-36.00	30.80	34.04	80	Vertical
2	405.3900	-101.92	-66.85	-36.00	30.85	35.07	220	Vertical
3	806.0000	-101.08	-58.65	-36.00	22.65	42.43	260	Vertical
4	1512.4025	-53.53	-50.77	-30.00	20.77	2.76	320	Vertical
5	3007.3015	-54.27	-47.94	-30.00	17.94	6.33	220	Vertical
6	6977.2454	-56.80	-44.69	-30.00	14.69	12.11	30	Vertical

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**APPENDIX U: PHOTOGRAPHS OF TEST SETUP**  
**RADIATED SPURIOUS EMISSION TEST SETUP**



**RADIATED SPURIOUS EMISSION ABOVE 1G TEST SETUP**



**----END OF REPORT----**

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