



Appendix A for Emission and Immunity test results

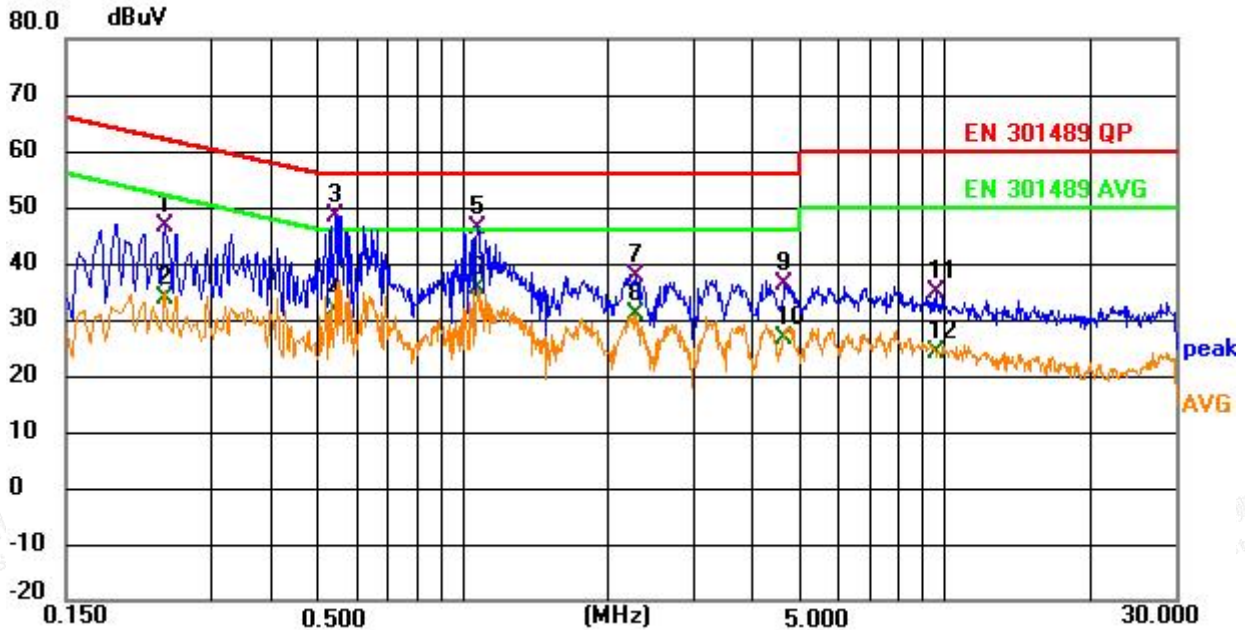
Product Name: Smartphone

Test Model: KINGKONG ES PRO

A.1 Line Conducted Emission

Adapter1 Model: HJ-0502000W2-EU

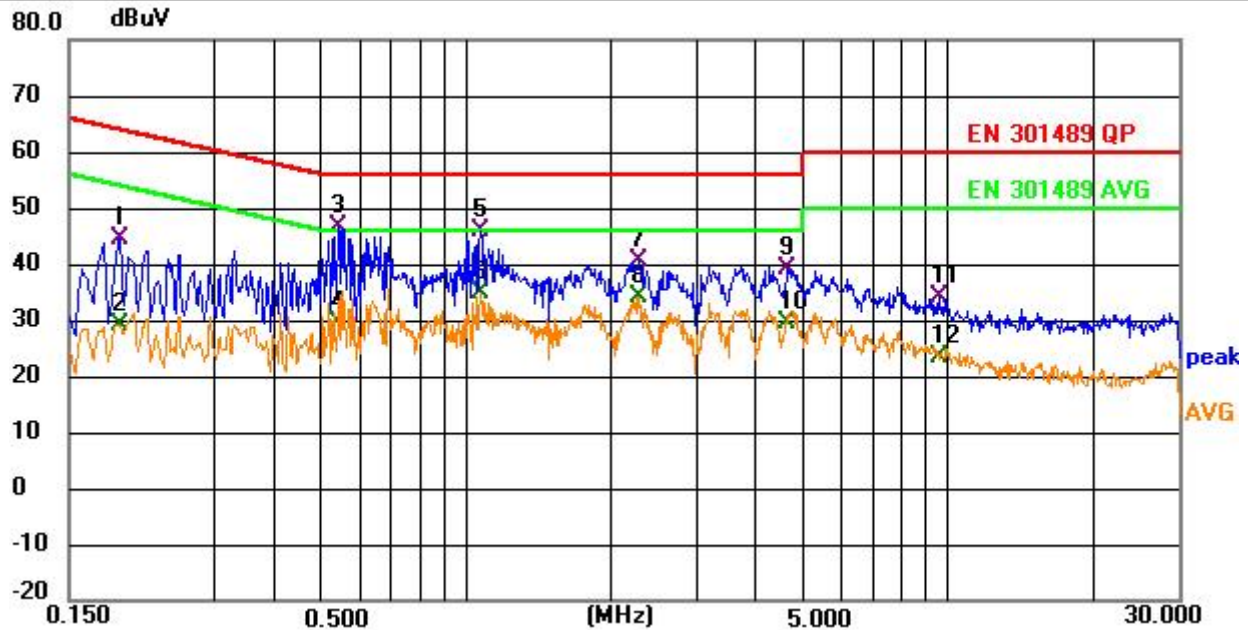
Test Model	KINGKONG ES PRO	Test Mode	TM1
Environmental Conditions	22.5°C, 53.7% RH	Test Engineer	Paddi Chen
Pol.	Line	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.240	26.20	20.34	46.54	62.10	-15.56	QP	
2		0.240	13.51	20.34	33.85	52.10	-18.25	AVG	
3	*	0.543	28.26	20.21	48.47	56.00	-7.53	QP	
4		0.543	11.24	20.21	31.45	46.00	-14.55	AVG	
5		1.073	26.73	19.62	46.35	56.00	-9.65	QP	
6		1.073	15.75	19.62	35.37	46.00	-10.63	AVG	
7		2.288	17.99	19.70	37.69	56.00	-18.31	QP	
8		2.288	11.32	19.70	31.02	46.00	-14.98	AVG	
9		4.659	16.44	19.69	36.13	56.00	-19.87	QP	
10		4.659	6.81	19.69	26.50	46.00	-19.50	AVG	
11		9.573	14.61	20.13	34.74	60.00	-25.26	QP	
12		9.573	3.87	20.13	24.00	50.00	-26.00	AVG	



Test Model	KINGKONG ES PRO	Test Mode	TM1
Environmental Conditions	22.5°C, 53.7% RH	Test Engineer	Paddi Chen
Pol.	Neutral	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.191	24.12	20.33	44.45	63.99	-19.54	QP	
2		0.191	8.76	20.33	29.09	53.99	-24.90	AVG	
3	*	0.543	26.26	20.21	46.47	56.00	-9.53	QP	
4		0.543	9.24	20.21	29.45	46.00	-16.55	AVG	
5		1.073	26.23	19.62	45.85	56.00	-10.15	QP	
6		1.073	15.25	19.62	34.87	46.00	-11.13	AVG	
7		2.288	20.99	19.70	40.69	56.00	-15.31	QP	
8		2.288	14.32	19.70	34.02	46.00	-11.98	AVG	
9		4.659	19.44	19.69	39.13	56.00	-16.87	QP	
10		4.659	9.81	19.69	29.50	46.00	-16.50	AVG	
11		9.573	14.11	20.13	34.24	60.00	-25.76	QP	
12		9.573	3.37	20.13	23.50	50.00	-26.50	AVG	

Note: For conducted emission and radiated emission test, a power supply of 230VAC and 120VAC was used for testing respectively, and only recorded the worst case of 230VAC.

Margin= Reading Level + Correct Factor – Limit

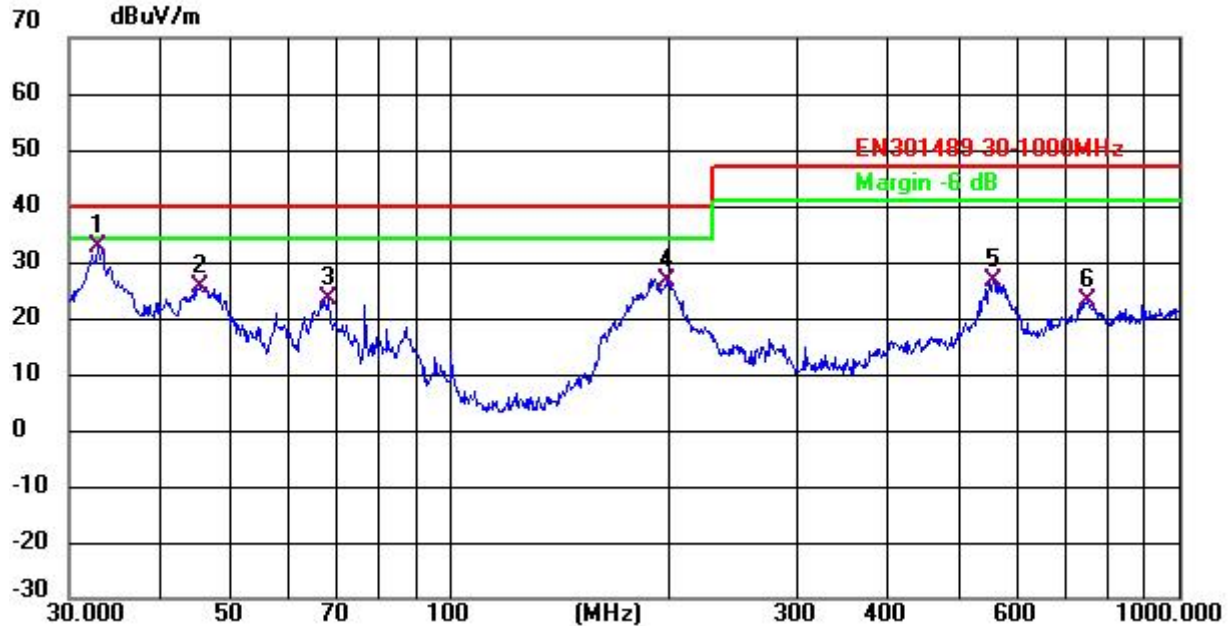
Correct Factor=Lish Factor+Cable Factor



A.3 Radiated Disturbance

Adapter1 Model: HJ-0502000W2-EU

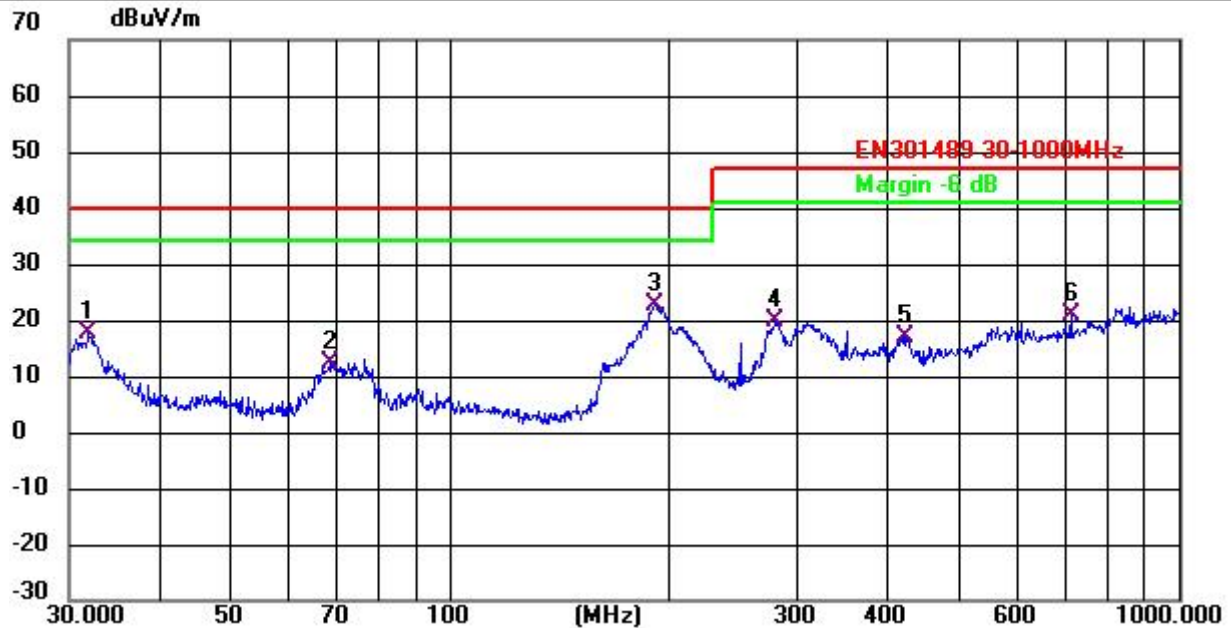
Test Model	KINGKONG ES PRO	Test Mode	TM1
Environmental Conditions	23.8°C, 52.1% RH	Test Engineer	Paddi Chen
Pol.	Vertical	Detector Function	Quasi-peak
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	32.8635	52.11	-19.28	32.83	40.00	-7.17	QP	
2		45.5347	43.82	-18.11	25.71	40.00	-14.29	QP	
3		67.9128	44.19	-20.65	23.54	40.00	-16.46	QP	
4		197.8926	45.22	-18.59	26.63	40.00	-13.37	QP	
5		556.7743	37.47	-10.84	26.63	47.00	-20.37	QP	
6		750.1082	32.15	-9.03	23.12	47.00	-23.88	QP	



Test Model	KINGKONG ES PRO	Test Mode	TM1
Environmental Conditions	23.8°C, 52.1% RH	Test Engineer	Paddi Chen
Pol.	Horizontal	Detector Function	Quasi-peak
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		31.9545	37.21	-19.46	17.75	40.00	-22.25	QP	
2		68.3908	32.18	-19.96	12.22	40.00	-27.78	QP	
3	*	191.0738	43.45	-20.63	22.82	40.00	-17.18	QP	
4		280.0237	36.70	-16.97	19.73	47.00	-27.27	QP	
5		422.0577	30.29	-13.21	17.08	47.00	-29.92	QP	
6		711.6734	29.21	-8.49	20.72	47.00	-26.28	QP	

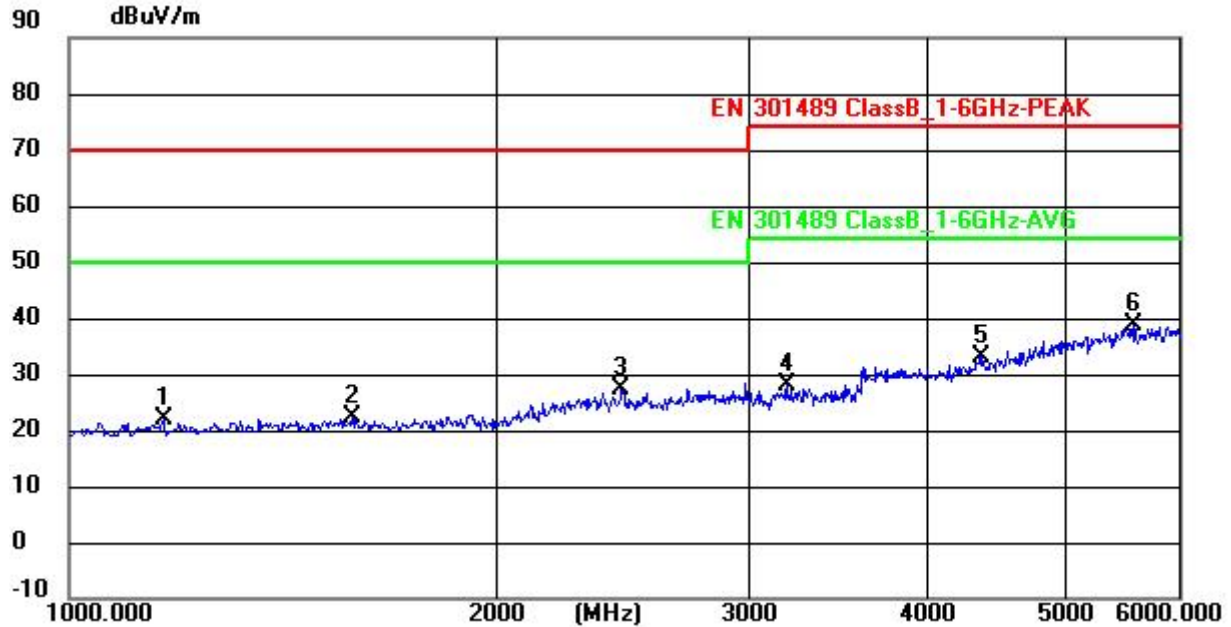
Note: Margin= Reading Level + Correct Factor – Limit

Correct Factor=Antenna Factor+Cable Factor – Pre-Amplifier Factor



Adapter1 Model: HJ-0502000W2-EU

Test Model	KINGKONG ES PRO	Test Mode	TM1(Above 1GHz)
Environmental Conditions	23.9°C, 52.1% RH	Test Engineer	Paddi Chen
Pol.	Vertical	Detector Function	Peak + AV
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1165.0000	34.55	-12.51	22.04	70.00	-47.96	peak	
2		1580.0000	34.52	-12.17	22.35	70.00	-47.65	peak	
3		2445.0000	36.32	-8.84	27.48	70.00	-42.52	peak	
4		3190.0000	35.87	-7.79	28.08	74.00	-45.92	peak	
5		4375.0000	38.07	-4.97	33.10	74.00	-40.90	peak	
6	*	5580.0000	39.99	-1.31	38.68	74.00	-35.32	peak	

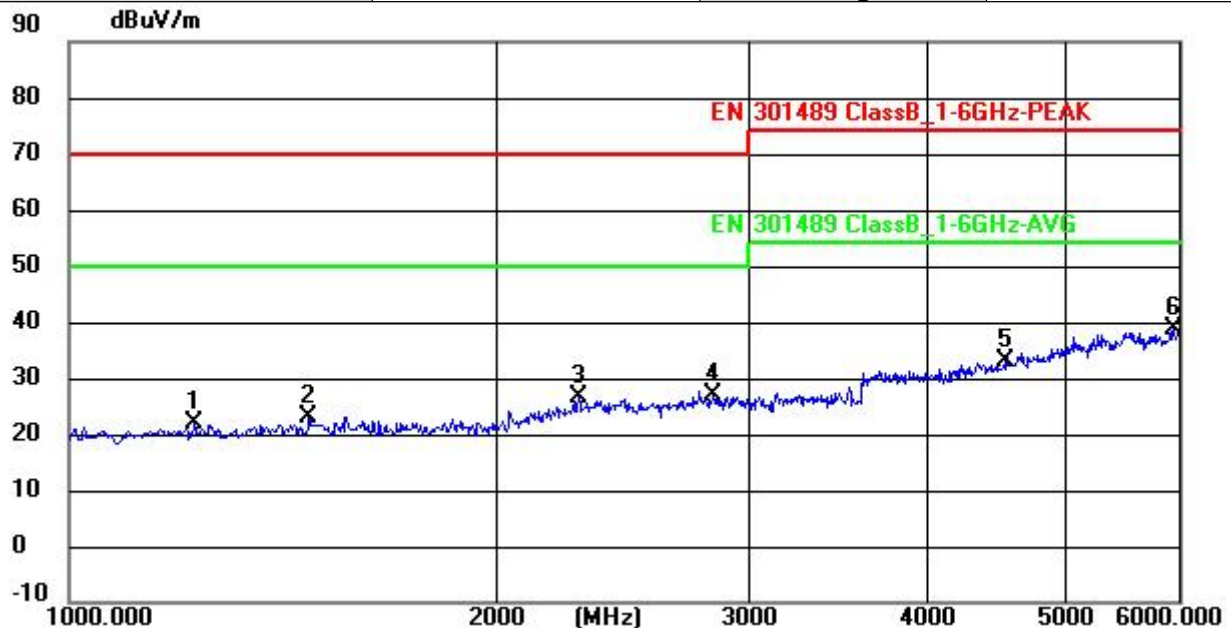
Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



Test Model	KINGKONG ES PRO	Test Mode	TM1(Above 1GHz)
Environmental Conditions	23.9°C, 52.1% RH	Test Engineer	Paddi Chen
Pol.	Horizontal	Detector Function	Peak + AV
Distance	3m	Test Voltage	AC 230V/50Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1225.0000	34.44	-12.62	21.82	70.00	-48.18	peak	
2		1475.0000	35.34	-12.36	22.98	70.00	-47.02	peak	
3		2280.0000	35.21	-8.75	26.46	70.00	-43.54	peak	
4		2835.0000	35.22	-8.09	27.13	70.00	-42.87	peak	
5		4535.0000	37.34	-4.24	33.10	74.00	-40.90	peak	
6	*	5955.0000	40.40	-1.48	38.92	74.00	-35.08	peak	

Note:

- Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- Measurements above show only up to 6 maximum emissions noted.
- Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- Factor = Antenna Factor + Cable Loss + Amplifier Factor
Emission Level = Reading level + Factor
Margin = Emission Level - Limit



A.4 Harmonic Current Emissions

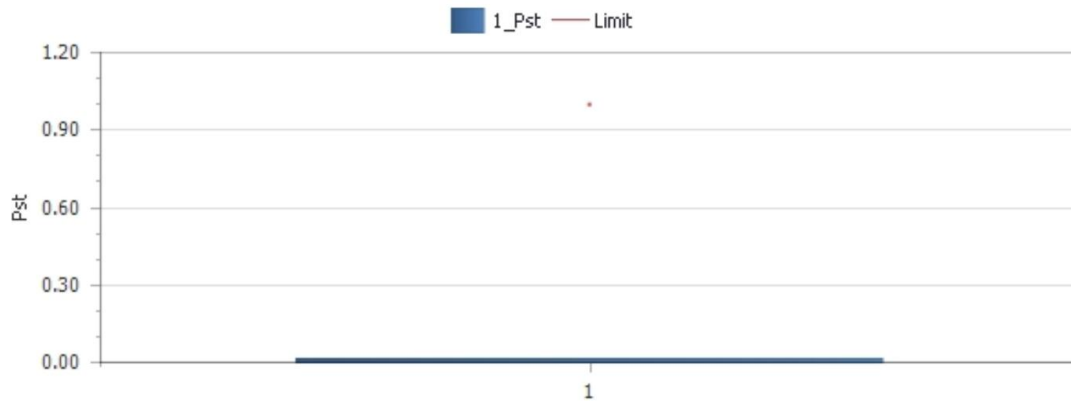
Because power of EUT less than 75W, according to standard EN 61000-3-2, Harmonic current unnecessary to test.

A.5 Voltage Fluctuation and Flicker

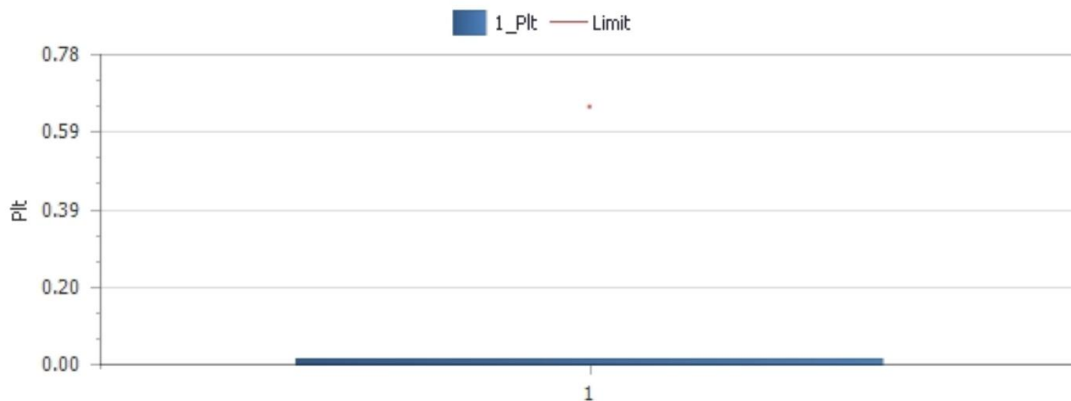
Adapter1 Model: HJ-0502000W2-EU

Test Model	KINGKONG ES PRO	Test Mode	TM1
Test Engineer	Paddi Chen	Test Voltage	AC 230V/50Hz
Environmental Conditions	24.5°C, 55.7% RH		

Pst and Limit



Plt and Limit



Relevant Parameter and Judgement During Test Period

Vrms at the end of test(V)	230.05			
Error Max(%)		Test Limit(%)		
T-max(ms)	0.00	Test Limit(ms)	500	Pass
dc (%)	0.00	Test Limit(%)	3.30	Pass
dmax (%)	0.00	Test Limit(%)	4.00	Pass
Pst	0.015	Test Limit	1.000	Pass
Plt	0.015	Test Limit	0.650	Pass

**A.6 RF Electromagnetic Field (80 MHz - 6000 MHz)**

Test Model	KINGKONG ES PRO	Test Engineer	Paddi Chen
Environmental Conditions	23.5°C, 52.4% RH	Test Voltage	AC 230V/50Hz

TM1-TM19 Test Result:

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
GSM/GPRS/EGPRS 900 MHz, Traffic	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass
GSM/GPRS/EGPRS 900 MHz, Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
DCS/GPRS/EGPRS 1800 MHz, Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
DCS/GPRS/EGPRS 1800 MHz, Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
WCDMA/HSDPA/HSUPA Band I 2100 MHz, Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
WCDMA/HSDPA/HSUPA Band I 2100MHz, Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
WCDMA/HSDPA/HSUPA Band VIII 900MHz, Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
WCDMA/HSDPA/HSUPA Band VIII 900MHz, Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 1 Traffic	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass

Shenzhen LCS Compliance Testing Laboratory Ltd.

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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 1 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 3 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 3 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 7 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 7 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 8 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 8 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 20 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 20 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 28 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass



	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 28 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 41 Traffic	Vertical	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT,CR	Front, Right, Left, Back, Top, Bottom	Pass
E-UTRA Band 41 Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass

TM20-TM99 Test Result:

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back, Top, Bottom	Pass

TM100-TM102 Test Result:

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	CR	Front, Right, Left, Back, Top, Bottom	Pass
	Vertical	80MHz;104MHz;136MHz;165MHz;200MHz;260MHz;330MHz;430MHz;560MHz;715MHz ± 1MHz;920MHz ± 1MHz (spot test)	3	CR	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80MHz;104MHz;136MHz;165MHz;200MHz;260MHz;330MHz;430MHz;560MHz;715MHz ± 1MHz;920MHz ± 1MHz (spot test)	3	CR	Front, Right, Left, Back, Top, Bottom	Pass

**TM103-TM108 Test Result:**

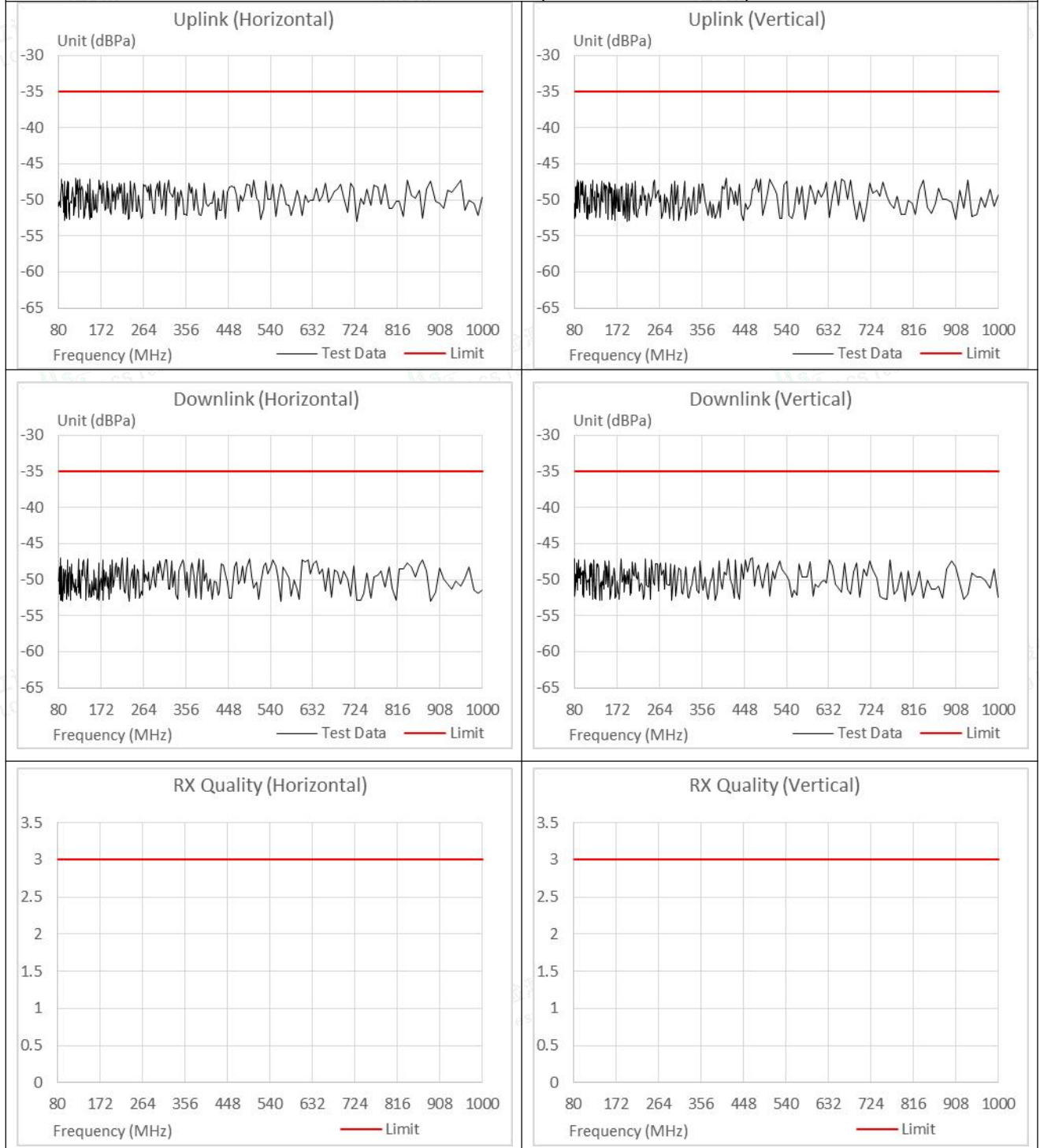
EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
Idle	Vertical	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass
	Horizontal	80-6000	3	See Note	Front, Right, Left, Back, Top, Bottom	Pass

Special conditions for EMC immunity tests

EUT Operating Mode		Polarity	Conclusion
GSM 900	Uplink	H	Pass
		V	Pass
	Downlink	H	Pass
		V	Pass
	RX Quality	H	Pass
		V	Pass
DCS 1800	Uplink	H	Pass
		V	Pass
	Downlink	H	Pass
		V	Pass
	RX Quality	H	Pass
		V	Pass
WCDMA HSDPA/HSUPA Band I 2100MHz	Uplink	H	Pass
		V	Pass
	Downlink	H	Pass
		V	Pass
	BER	H	Pass
		V	Pass
WCDMA HSDPA/HSUPA Band VIII 900MHz	Uplink	H	Pass
		V	Pass
	Downlink	H	Pass
		V	Pass
	BER	H	Pass
		V	Pass

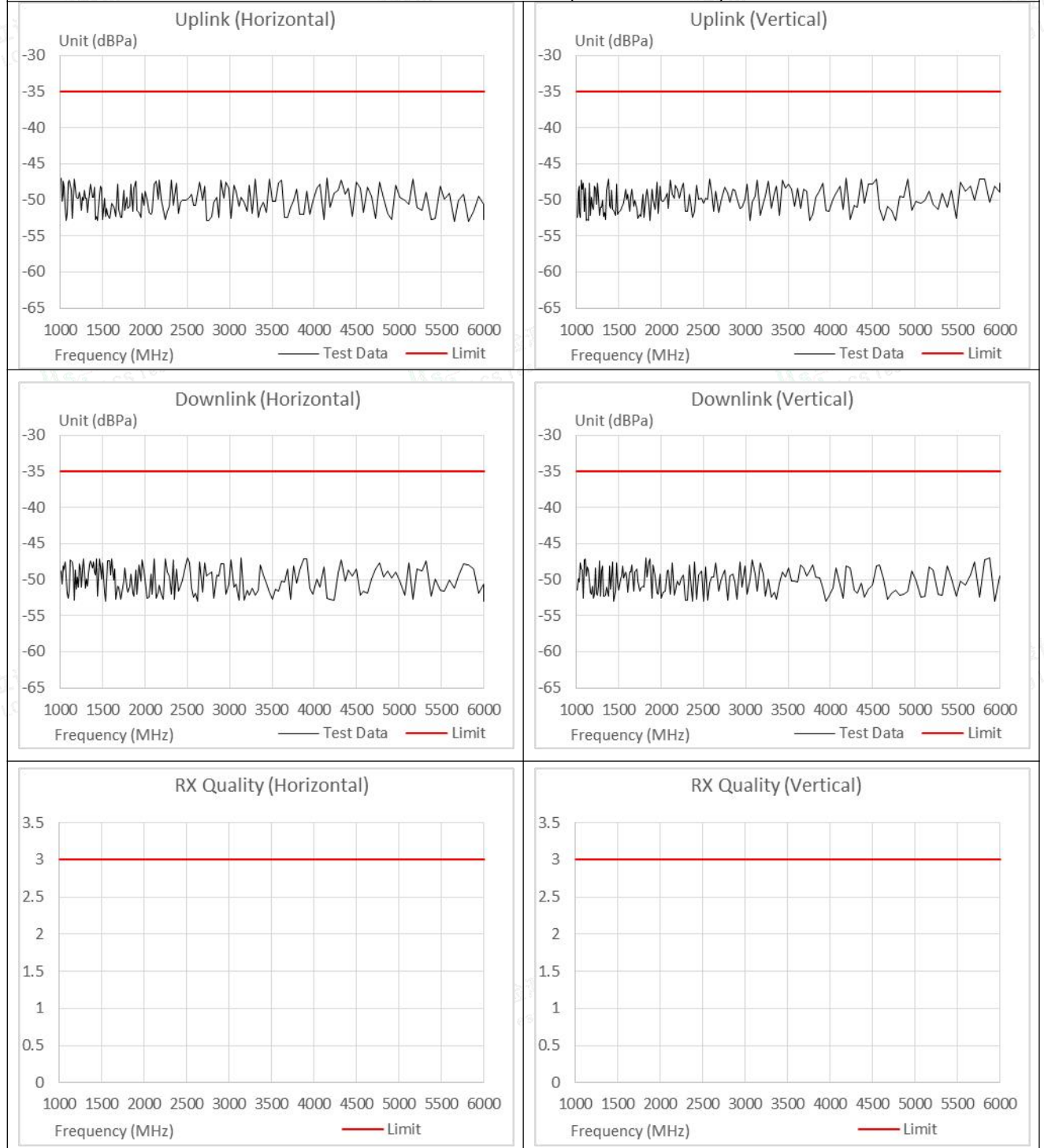


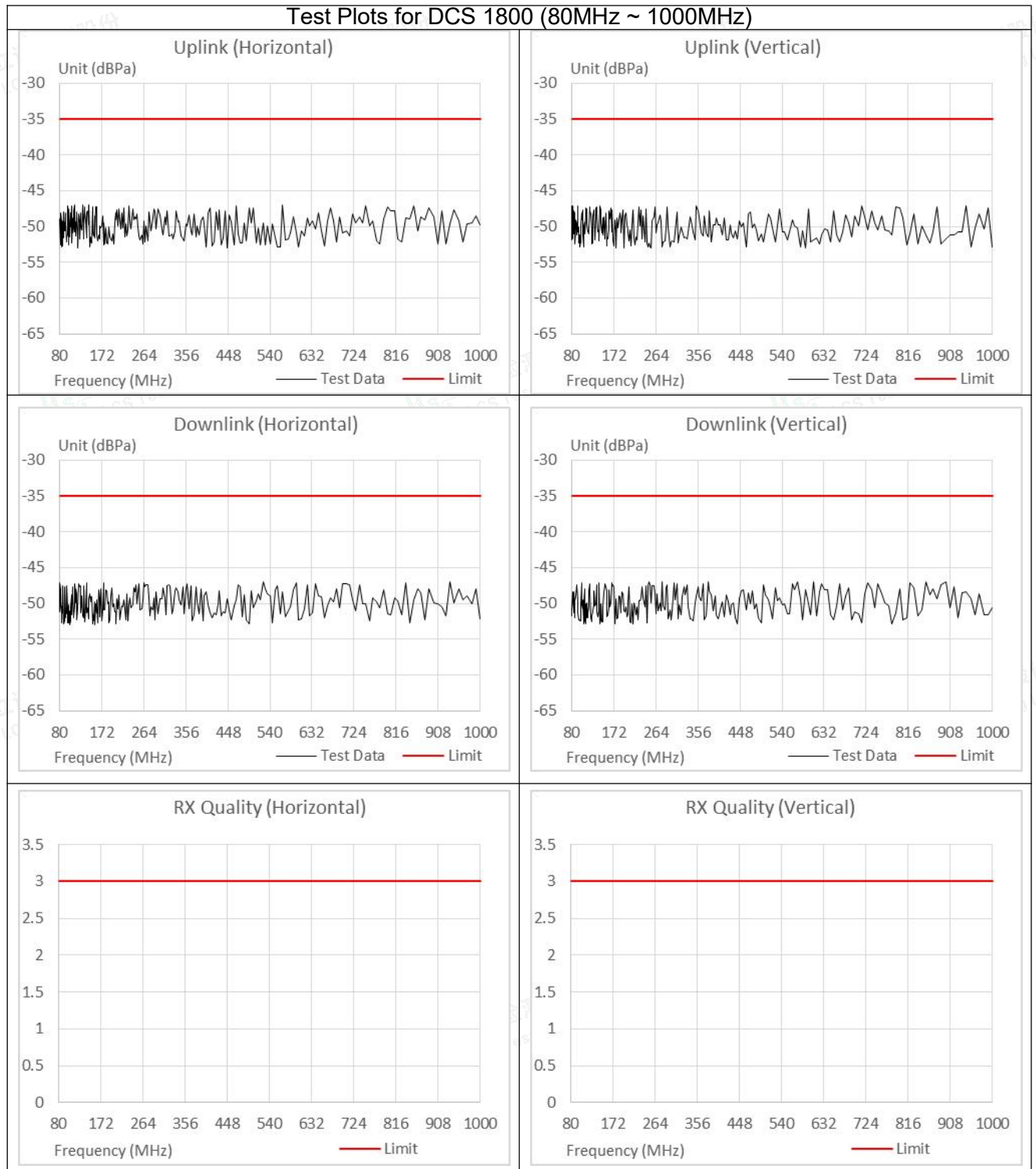
Test Plots for GSM 900 (80MHz ~ 1000MHz)





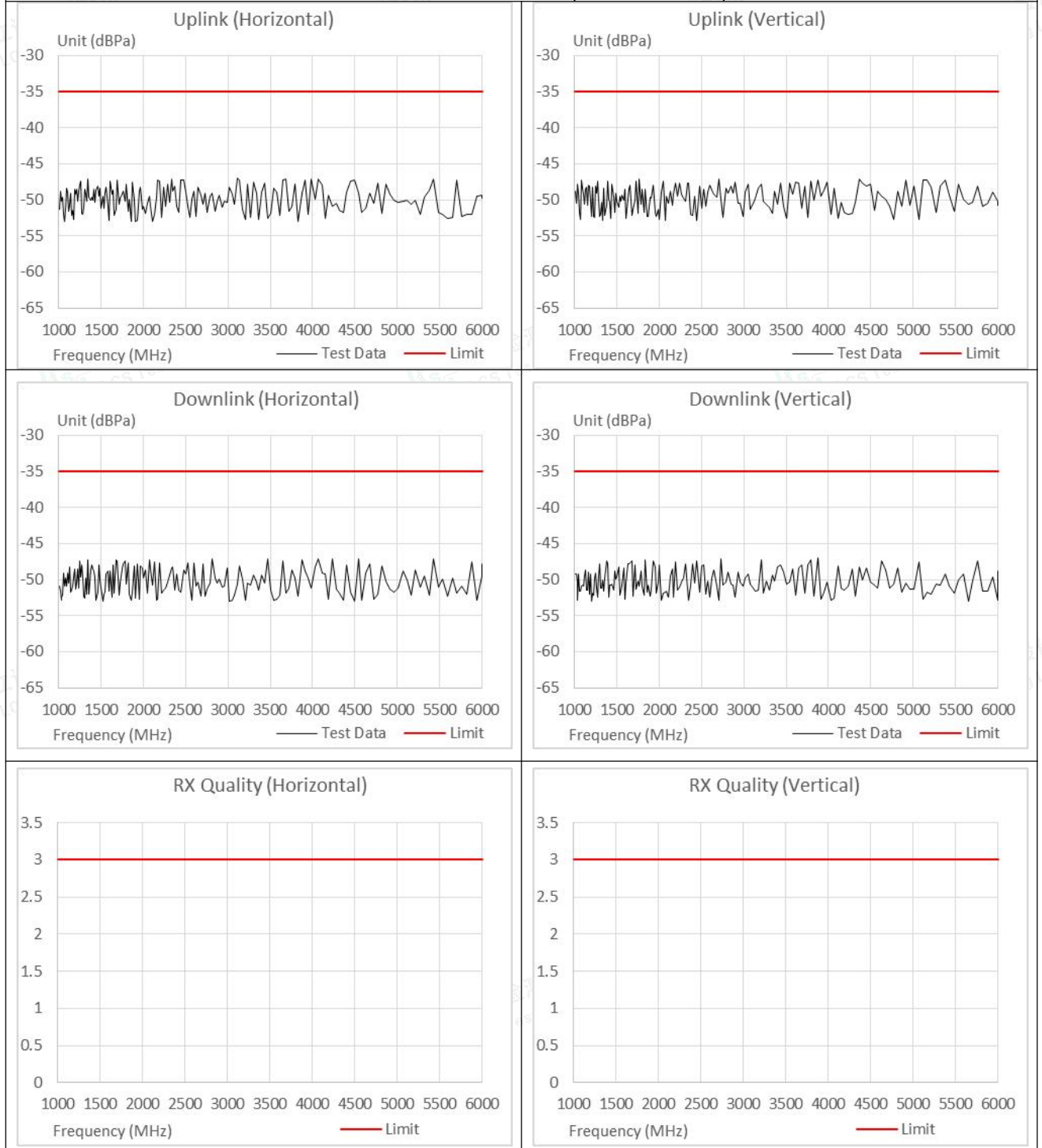
Test Plots for GSM 900 (1GHz ~ 6GHz)

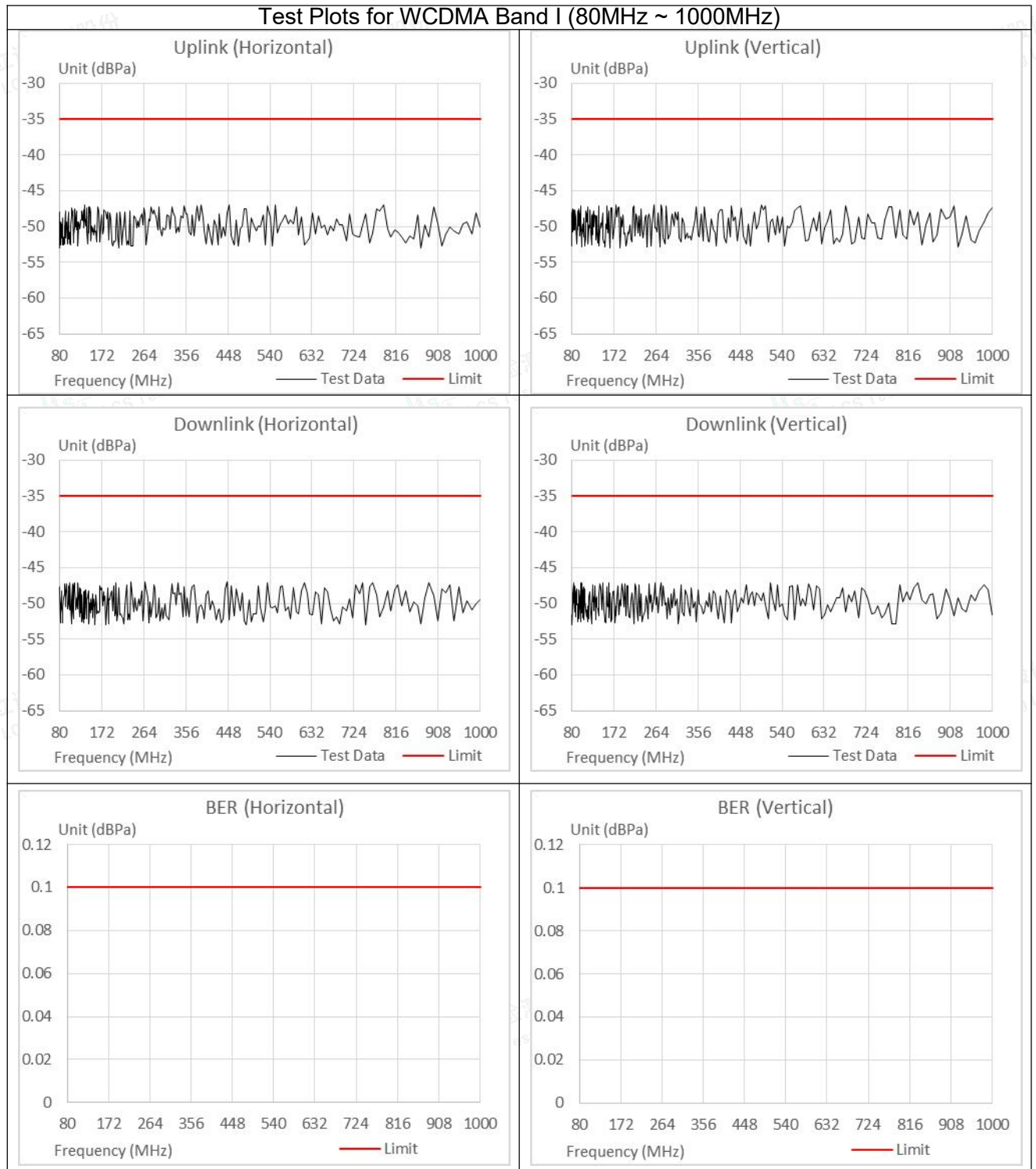


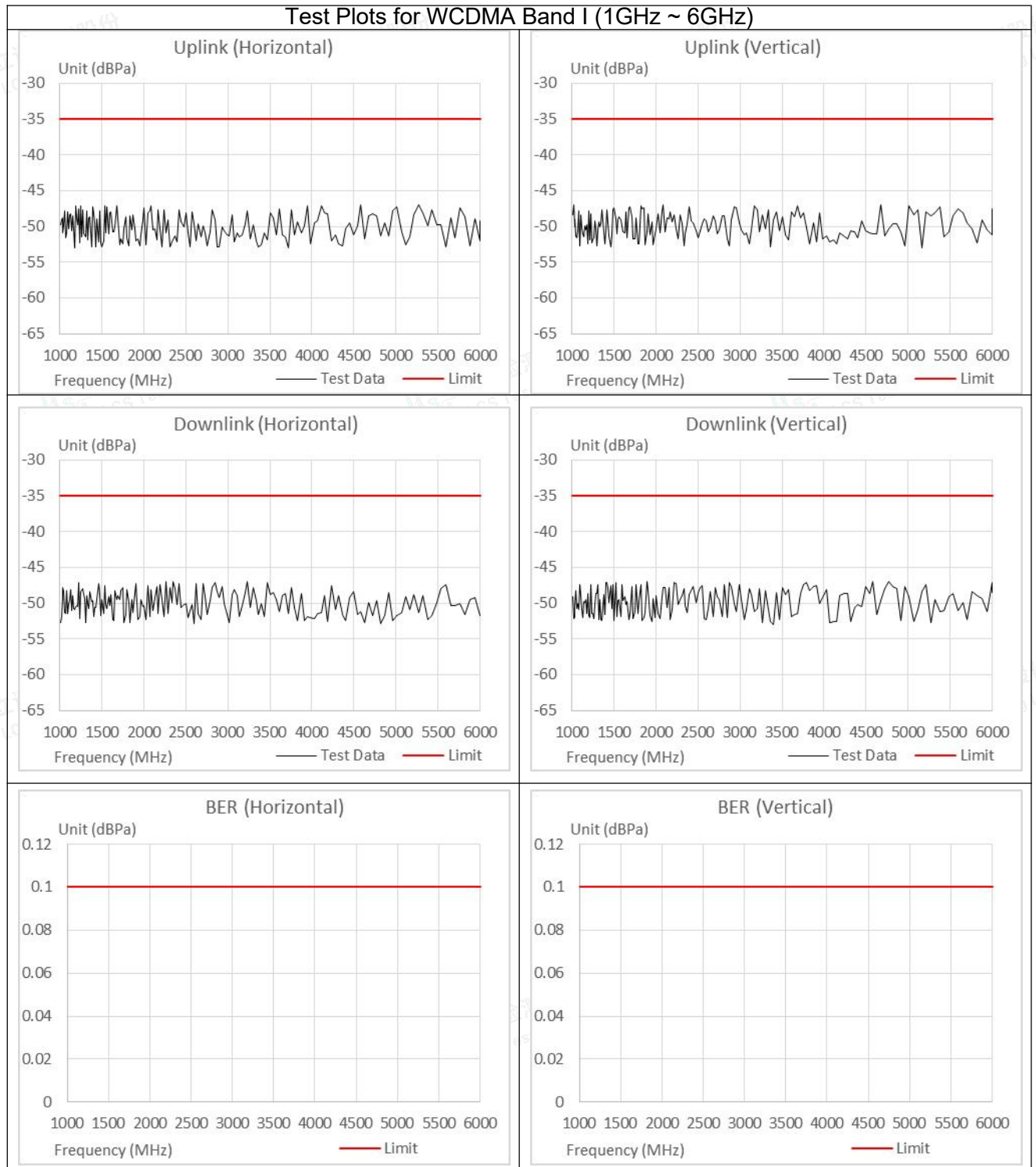




Test Plots for DCS 1800 (1GHz ~ 6GHz)

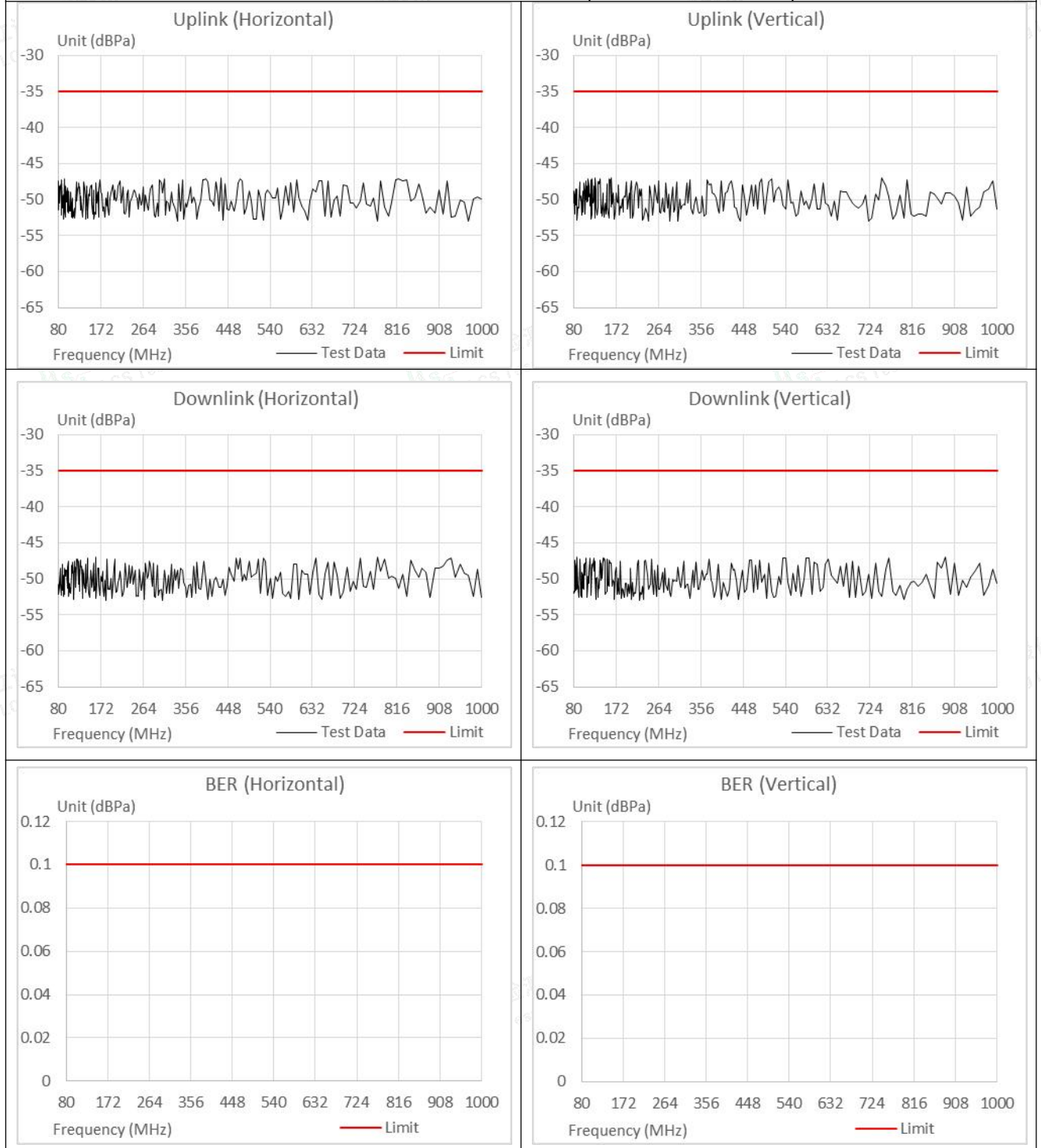


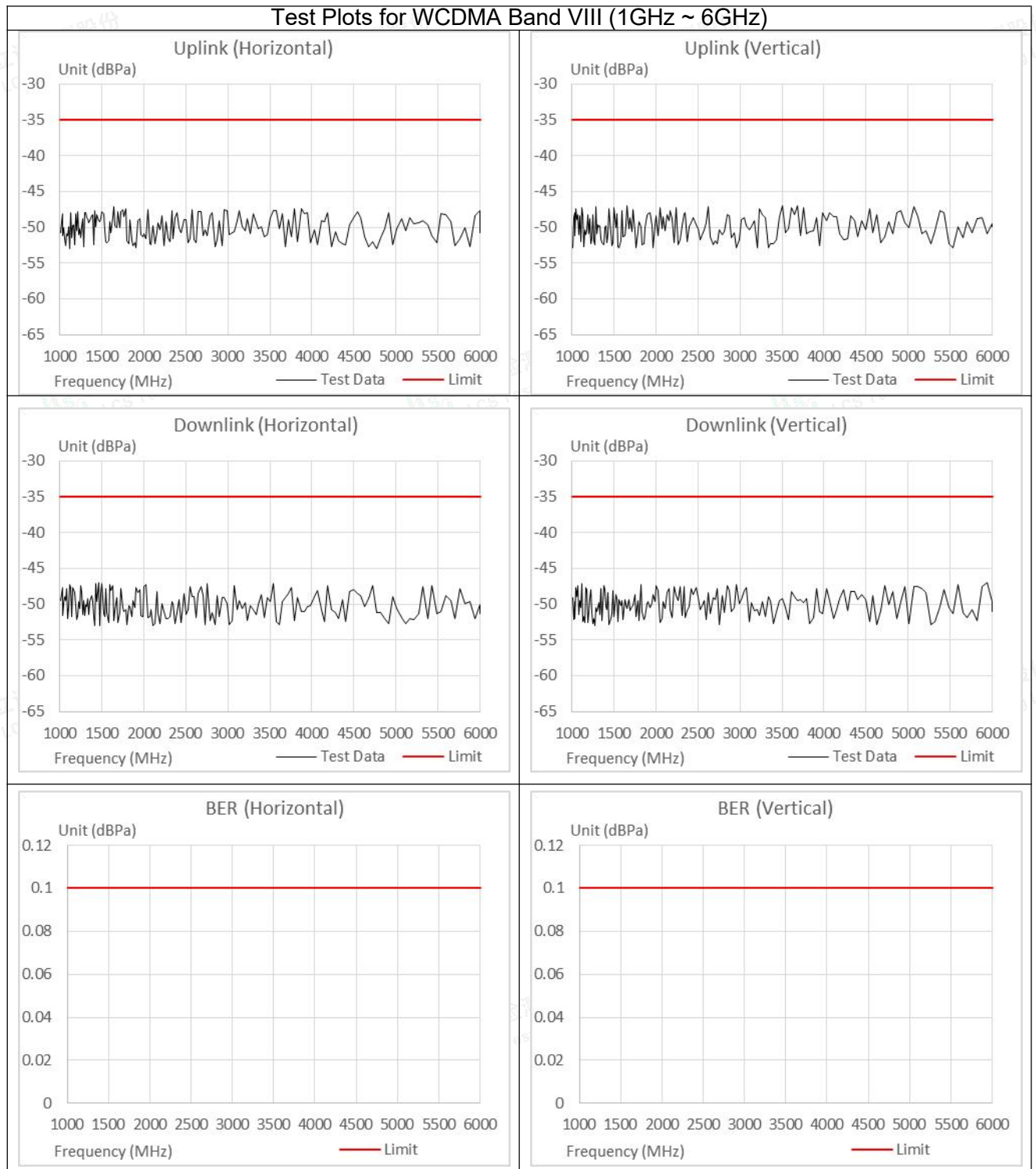






Test Plots for WCDMA Band VIII (80MHz ~ 1000MHz)





Note: The EUT performance complied with performance criteria for CT&CR to MS Function and there is no any degradation of performance and function.

During the test, the Maximum Bit Error Ratio was less than 0.001

During the test, the Maximum Block Error Ratio was less than 0.01

For E-UTRA Band 1/3/7/8/20/28 (In the data transfer mode), the throughput is $\geq 95\%$ of the maximum throughput of the reference measurement channel as specified in annex C in TS 136 101 [13] with parameters specified in tables 7.3.1-1 and 7.3.1-2 in TS 136 101 [13] during the test sequence.

For equipment that supports a PER or FER, the minimum performance level shall be PER or FER less than or equal to 10%.

**A.7 Electrostatic Discharge****Electrostatic Discharge Test Results**

Standard	☐ IEC 61000-4-2 ☒ EN 61000-4-2		
Applicant	Shenzhen Huafurui Technology Co., Ltd.		
EUT	Smartphone	Temperature	22.8℃
M/N	KINGKONG ES PRO	Humidity	53.4%
Criterion	B	Pressure	1021mbar
Test Mode	TM1-TM108	Test Engineer	Paddi Chen
TEST RESULT OF TM1-TM99			
Test Voltage	Coupling	Observation	Result (Pass/Fail)
±2KV, ±4kV	Contact Discharge	TT, TR	Pass
±2KV, ±4kV, ±8kV	Air Discharge	TT, TR	Pass
±2KV, ±4kV	Indirect Discharge HCP	TT, TR	Pass
±2KV, ±4kV	Indirect Discharge VCP	TT, TR	Pass
TEST RESULT OF TM100-TM102			
Test Voltage	Coupling	Observation	Result (Pass/Fail)
±2KV, ±4kV	Contact Discharge	TR	Pass
±2KV, ±4kV, ±8kV	Air Discharge	TR	Pass
±2KV, ±4kV	Indirect Discharge HCP	TR	Pass
±2KV, ±4kV	Indirect Discharge VCP	TR	Pass
TEST RESULT OF TM103-TM108			
Test Voltage	Coupling	Result (Pass/Fail)	
±2KV, ±4kV	Contact Discharge	Pass	
±2KV, ±4kV, ±8kV	Air Discharge	Pass	
±2KV, ±4kV	Indirect Discharge HCP	Pass	
±2KV, ±4kV	Indirect Discharge VCP	Pass	
Note: The EUT performance complied with performance criteria for TT&TR to MS Function and there is no any degradation of performance and function.			



A.8 Electrical Fast Transient Immunity

Electrical Fast Transient/Burst Test Results			
Standard	☐ IEC 61000-4-4 ☒ EN 61000-4-4		
Applicant	Shenzhen Huafurui Technology Co., Ltd.		
EUT	Smartphone	Temperature	22.4℃
M/N	KINGKONG ES PRO	Humidity	52.3%
Test Mode	TM1-TM108	Criterion	B
Test Engineer	Paddi Chen		

TEST RESULT OF TM1-TM99				
Line	Test Voltage	Polarity	Observation	Result (Pass/Fail)
L	1KV	+/-	TT, TR	Pass
N	1KV	+/-	TT, TR	Pass
L-N	1KV	+/-	TT, TR	Pass
TEST RESULT OF TM100-TM102				
Line	Test Voltage	Polarity	Observation	Result (Pass/Fail)
L	1KV	+/-	TR	Pass
N	1KV	+/-	TR	Pass
L-N	1KV	+/-	TR	Pass
TEST RESULT OF TM103-TM108				
Line	Test Voltage	Polarity	Result (Pass/Fail)	
L	1KV	+/-	Pass	
N	1KV	+/-	Pass	
L-N	1KV	+/-	Pass	

Shenzhen LCS Compliance Testing Laboratory Ltd.

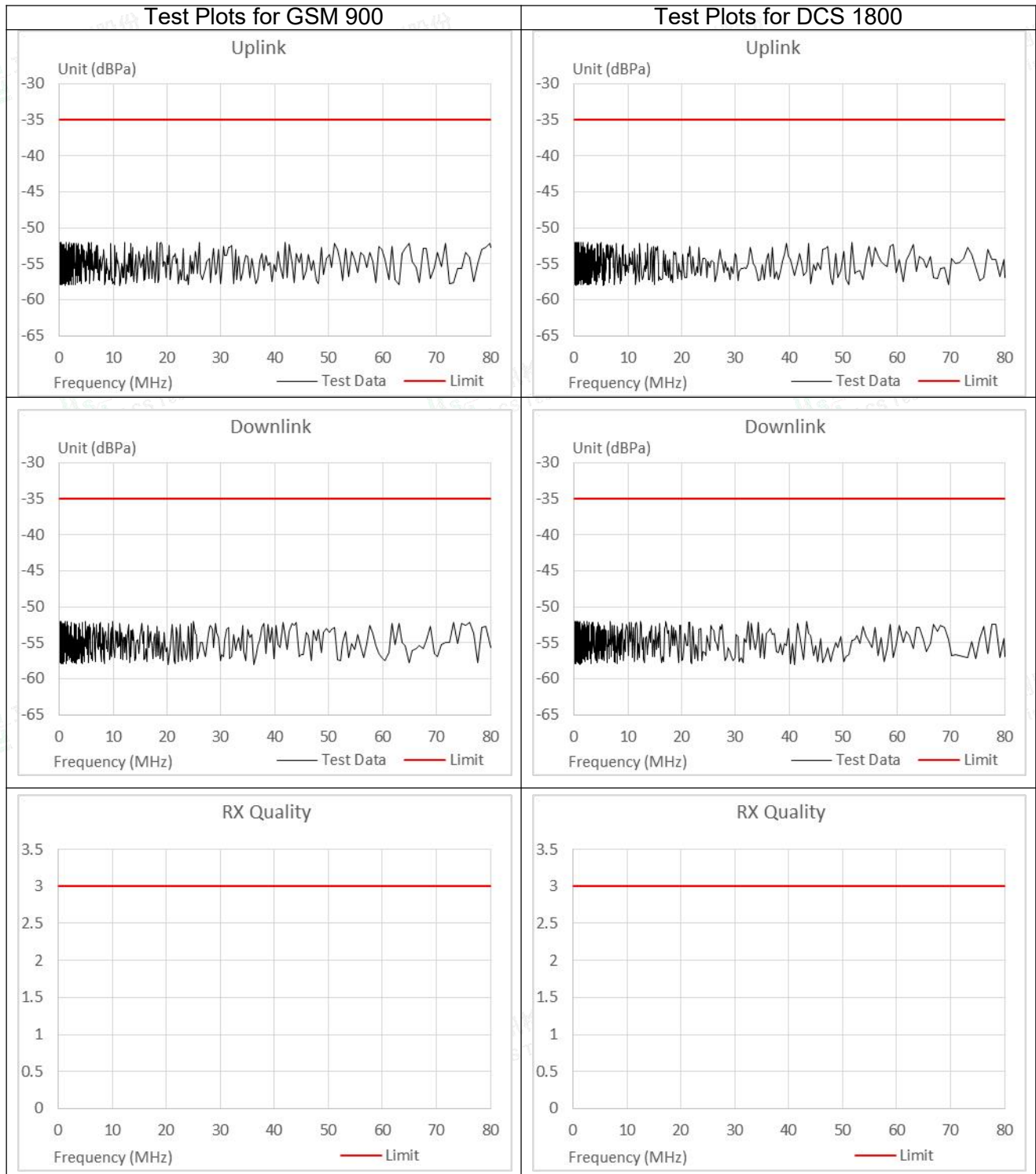
Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

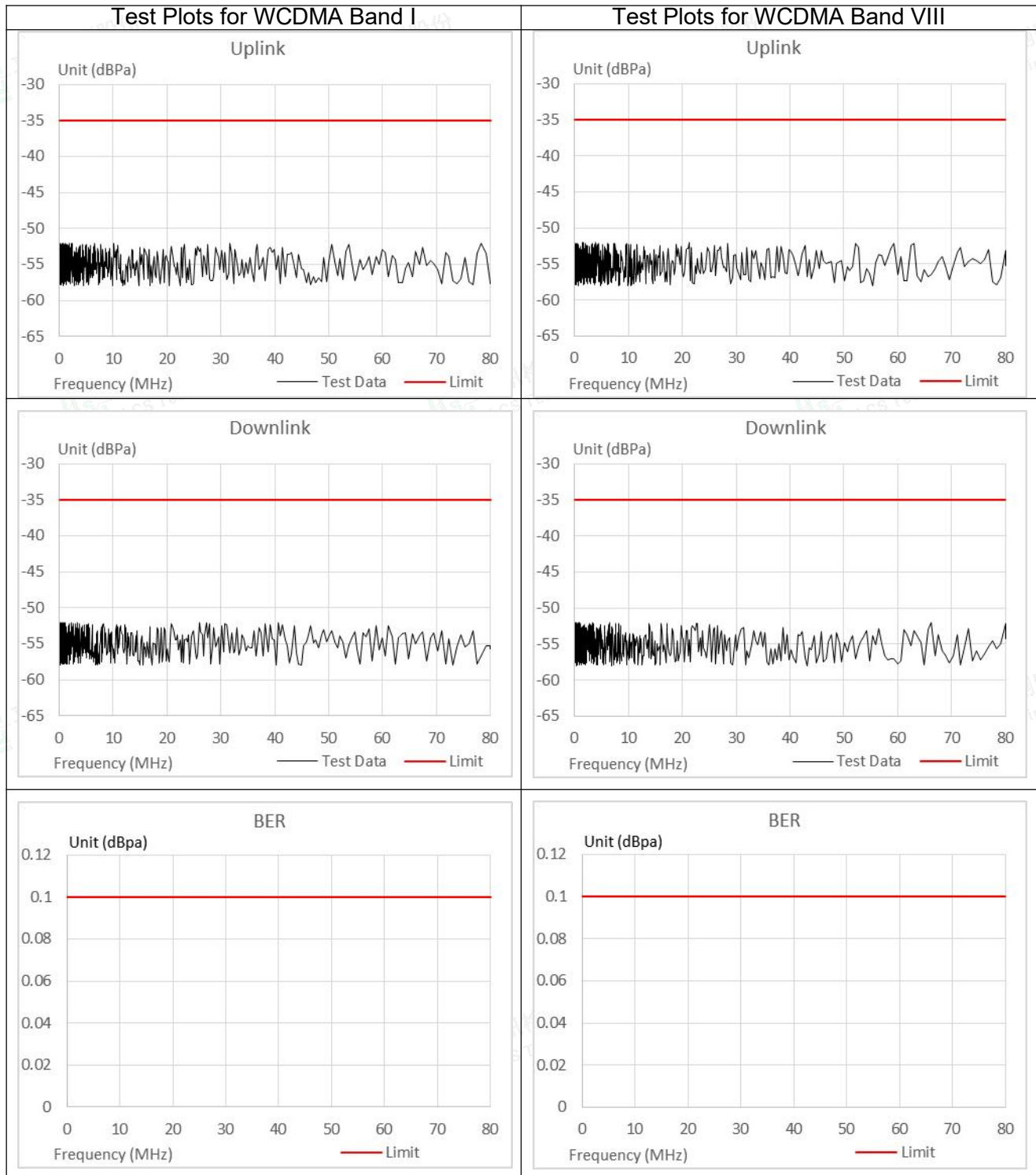
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**A.9 RF Common Mode**

Injected Currents Susceptibility Test Results			
Standard	☐ IEC 61000-4-6 ☒ EN 61000-4-6		
Applicant	Shenzhen Huafului Technology Co., Ltd.		
EUT	Smartphone	Temperature	24.8°C
M/N	KINGKONG ES PRO	Humidity	53.9%
Test Mode	TM1-TM108	Criterion	A
Test Engineer	Paddi Chen		

TEST RESULT OF TM1-TM99				
Frequency Range (MHz)	Strength (Unmodulated)	Injected Position	Observation	Result (Pass/Fail)
0.15 ~ 80	3V	AC Mains	CT, CR	Pass
TEST RESULT OF TM100-TM102				
Frequency Range (MHz)	Strength (Unmodulated)	Injected Position	Observation	Result (Pass/Fail)
0.15 ~ 80	3V	AC Mains	CR	Pass
TEST RESULT OF TM103-TM108				
Frequency Range (MHz)	Strength (Unmodulated)	Injected Position	Result (Pass/Fail)	
0.15 ~ 80	3V	AC Mains	Pass	
Remark:				
1. Modulation Signal:1kHz 80% AM				





Note: The EUT performance complied with performance criteria for CT&CR to MS Function and there is no any degradation of performance and function.

During the test, the Maximum Bit Error Ratio was less than 0.001

During the test, the Maximum Block Error Ratio was less than 0.01

For E-UTRA Band 1/3/7/8/20/28/41(In the data transfer mode), the throughput is $\geq 95\%$ of the maximum throughput of the reference measurement channel as specified in annex C in TS 136 101 [13] with parameters specified in tables 7.3.1-1 and 7.3.1-2 in TS 136 101 [13] during the test sequence.

For equipment that supports a PER or FER, the minimum performance level shall be PER or FER less than or equal to 10%.

**A.10 Surges, Line to Line and Line to Ground**

Surge Immunity Test Result			
Standard	☐ IEC 61000-4-5 ☒ EN 61000-4-5		
Applicant	Shenzhen Huafului Technology Co., Ltd.		
EUT	Smartphone	Temperature	24.6℃
M/N	KINGKONG ES PRO	Humidity	52.5%
Test Mode	TM1-TM108	Criterion	B
Test Engineer	Paddi Chen		

TEST RESULT OF TM1-TM99						
Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (KV)	Observation	Result (Pass/Fail)
L-N	+	0°, 90°, 180°, 270°	5	1.0	TT, TR	Pass
	-	0°, 90°, 180°, 270°	5	1.0	TT, TR	Pass
TEST RESULT OF TM99-TM102						
Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (KV)	Observation	Result (Pass/Fail)
L-N	+	0°, 90°, 180°, 270°	5	1.0	TR	Pass
	-	0°, 90°, 180°, 270°	5	1.0	TR	Pass
TEST RESULT OF TM103-TM108						
Location	Polarity	Phase Angle	Number of Pulse	Pulse Voltage (KV)	Result (Pass/Fail)	
L-N	+	0°, 90°, 180°, 270°	5	1.0	Pass	
	-	0°, 90°, 180°, 270°	5	1.0	Pass	
Note: Verification shall be performed on the generators and coupling/decoupling network prior to the test.						

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: Room 101/201, Building A, and Room 101/301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



A.11 Voltage Dips/Interruptions Immunity Test

Voltage Dips And Interruptions Test Results			
Standard	☐ IEC 61000-4-11 ☒ EN 61000-4-11		
Applicant	Shenzhen Huafului Technology Co., Ltd.		
EUT	Smartphone	Temperature	23.6°C
M/N	KINGKONG ES PRO	Humidity	54.8%
Test Mode	TM1-TM108	Criterion	B&C
Test Engineer	Paddi Chen		

TEST RESULT OF TM1-TM99				
Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in periods)	Observation	Result (Pass/Fail)
0	100	0.5P	TT, TR	Pass
0	100	1P	TT, TR	Pass
70	30	25P	TT, TR	Pass
0	100	250P	TT, TR	Pass

TEST RESULT OF TM100-TM102				
Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in periods)	Observation	Result (Pass/Fail)
0	100	0.5P	TR	Pass
0	100	1P	TR	Pass
70	30	25P	TR	Pass
0	100	250P	TR	Pass

TEST RESULT OF TM103-TM108			
Test Level % U _T	Voltage Dips & Short Interruptions % U _T	Duration (in periods)	Result (Pass/Fail)
0	100	0.5P	Pass
0	100	1P	Pass
70	30	25P	Pass
0	100	250P	Pass