



## Appendix E for BT Test Data

Product Name: Tablet

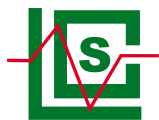
Test Model: TAB KINGKONG S

### Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Sean Huang
Supervised by:	Nick Peng



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## E.1 RF Output Power

Condition	Mode	Packet Type	Max EIRP (dBm)	Limit (dBm)	Verdict
NTNV	GFSK	DH5	-1.51	20	Pass
NTNV	Pi/4DQPSK	2DH5	-2.03	20	Pass
NTNV	8DPSK	3DH5	-2.07	20	Pass
HTNV	GFSK	DH5	-1.55	20	Pass
HTNV	Pi/4DQPSK	2DH5	-2.04	20	Pass
HTNV	8DPSK	3DH5	-2.12	20	Pass
LTNV	GFSK	DH5	-1.64	20	Pass
LTNV	Pi/4DQPSK	2DH5	-2.09	20	Pass
LTNV	8DPSK	3DH5	-2.14	20	Pass

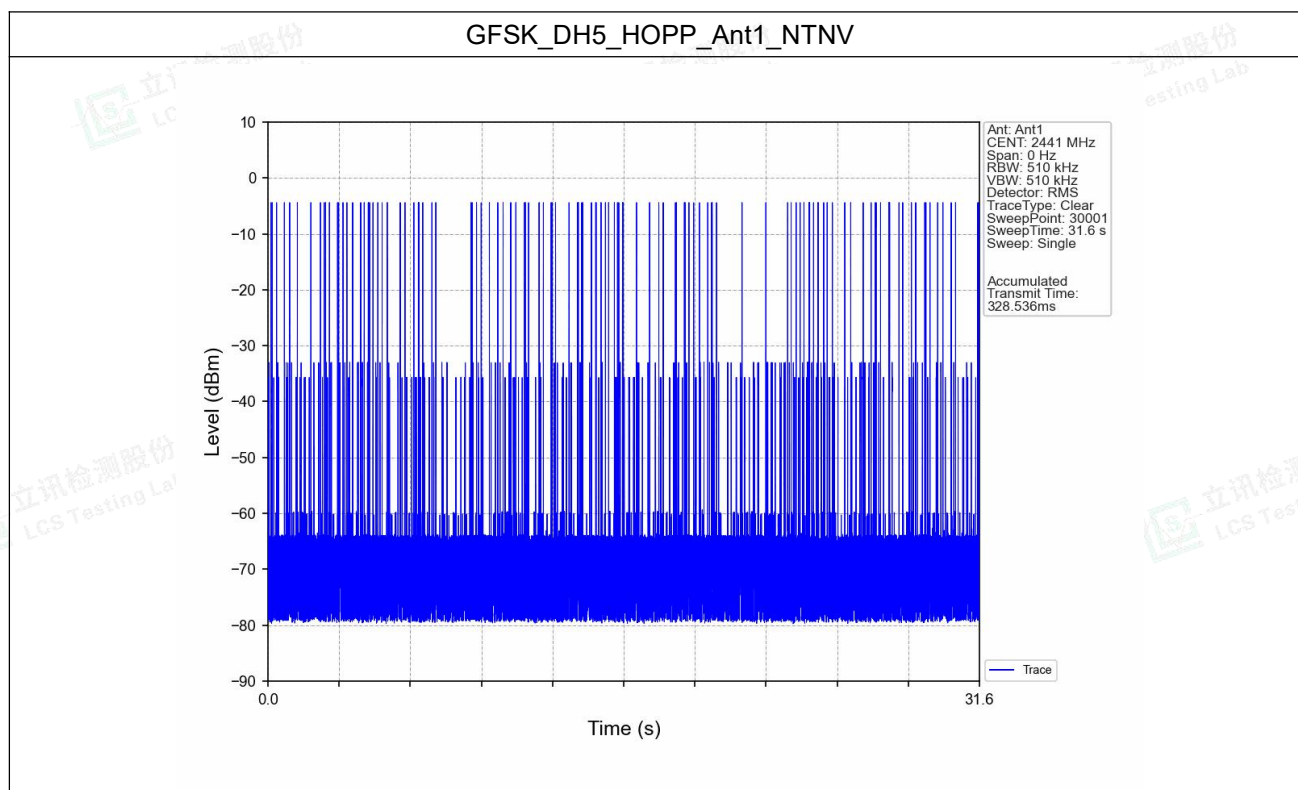
Note: 20 bursts had been captured for power measurement.





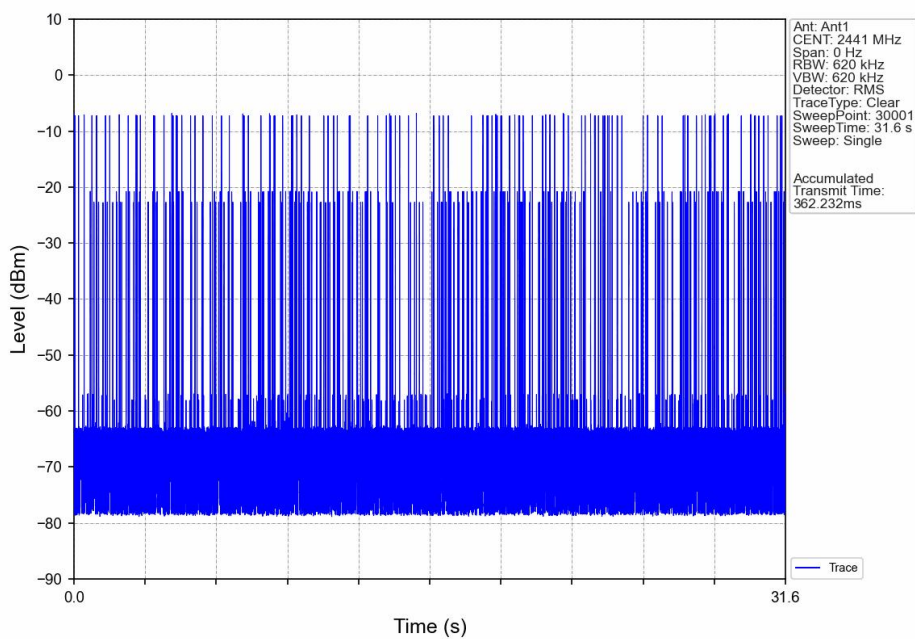
## E.2 Accumulated Transmit Time

Ant1										
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	HOPP Num_Mini	Data Points Of T_on	Duration Of One Point (ms)	Accumulated Transmit Time (ms)		Verdict
								Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	79	312	1.053	328.536	<=400	Pass
	PI/4DQPSK	SISO	HOPP	2DH5	79	344	1.053	362.232	<=400	Pass
	8DPSK	SISO	HOPP	3DH5	79	280	1.053	294.840	<=400	Pass

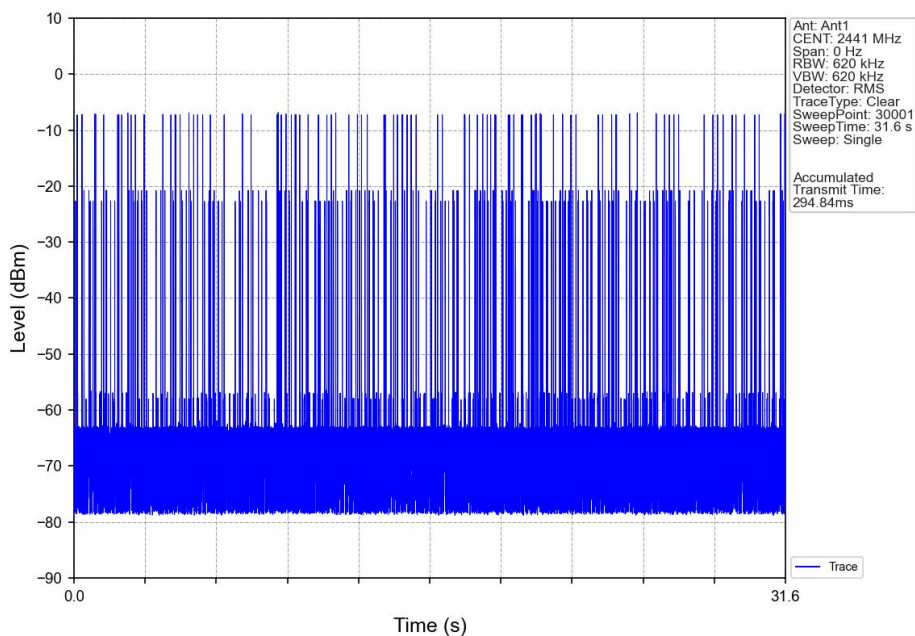




## Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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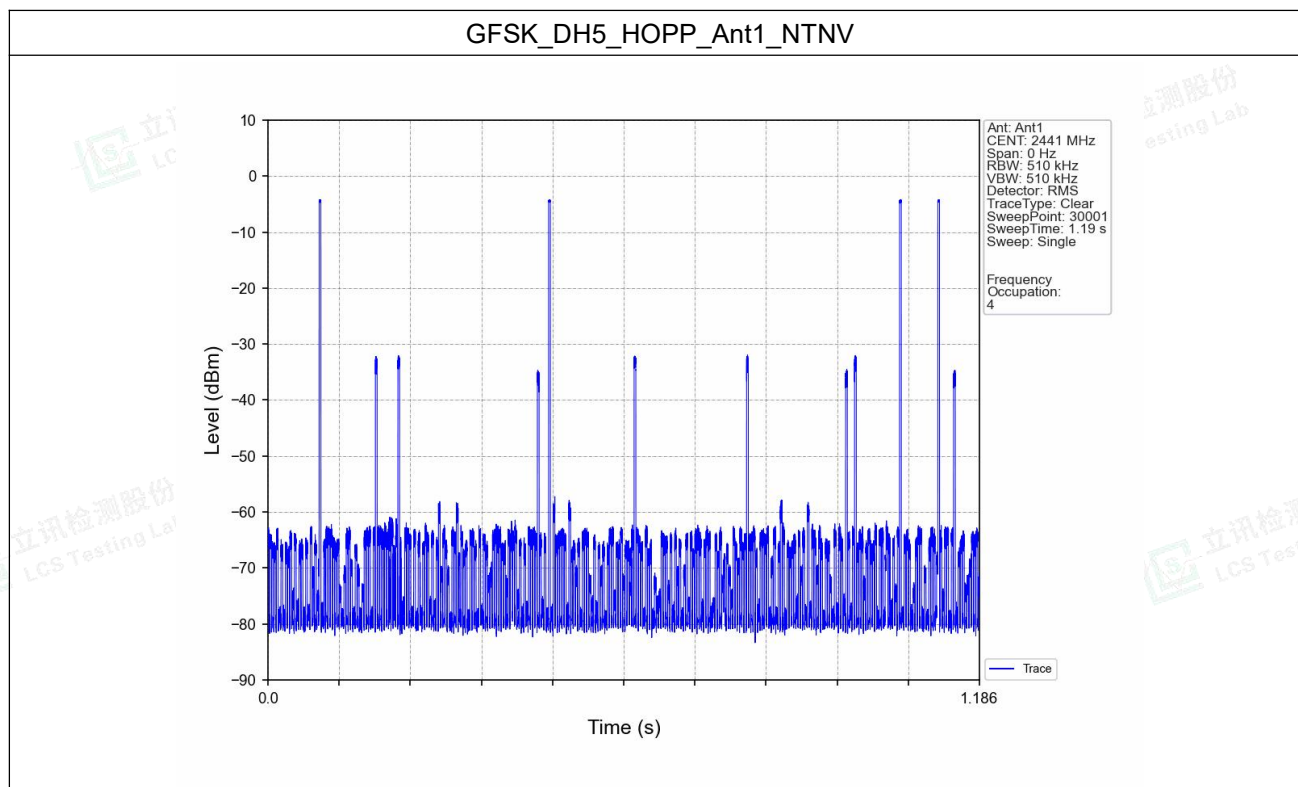
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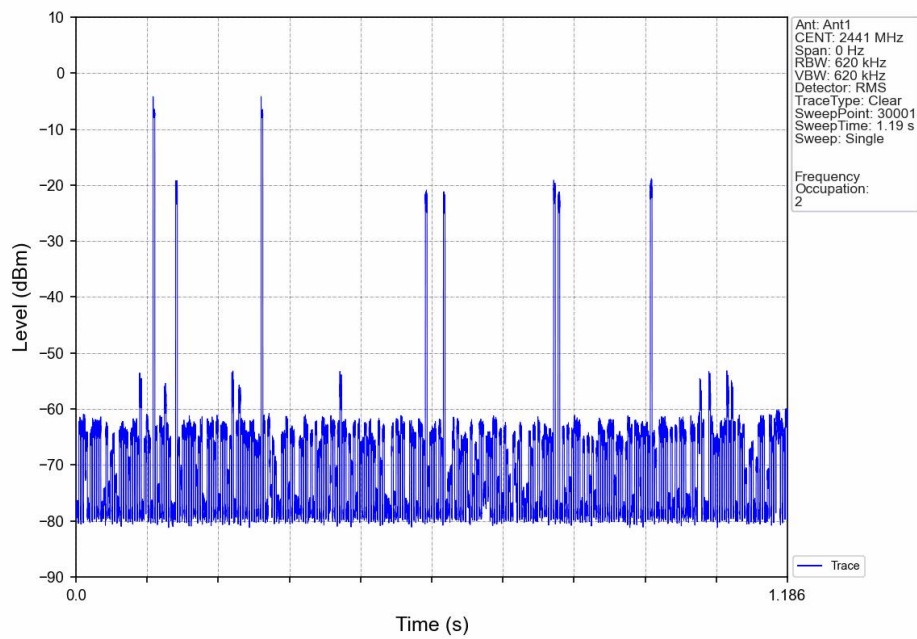
### E.3 Frequency Occupation

Ant1									
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	HOPP Num_Mini	Dwell Time (ms)	Frequency Occupation (N)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	79	3.750	4	>=1	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	79	3.750	2	>=1	Pass
	8DPSK	SISO	HOPP	3DH5	79	3.750	4	>=1	Pass

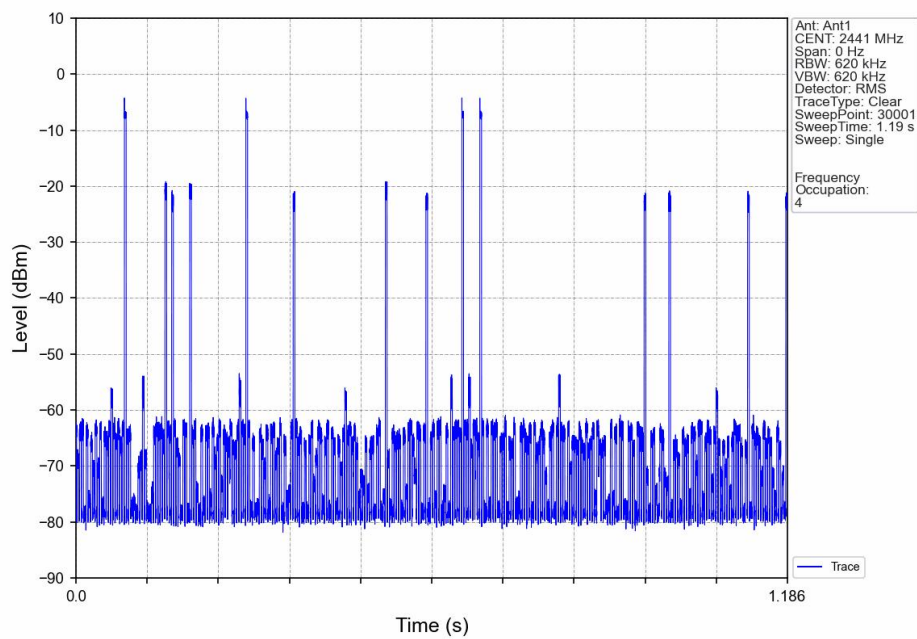




## Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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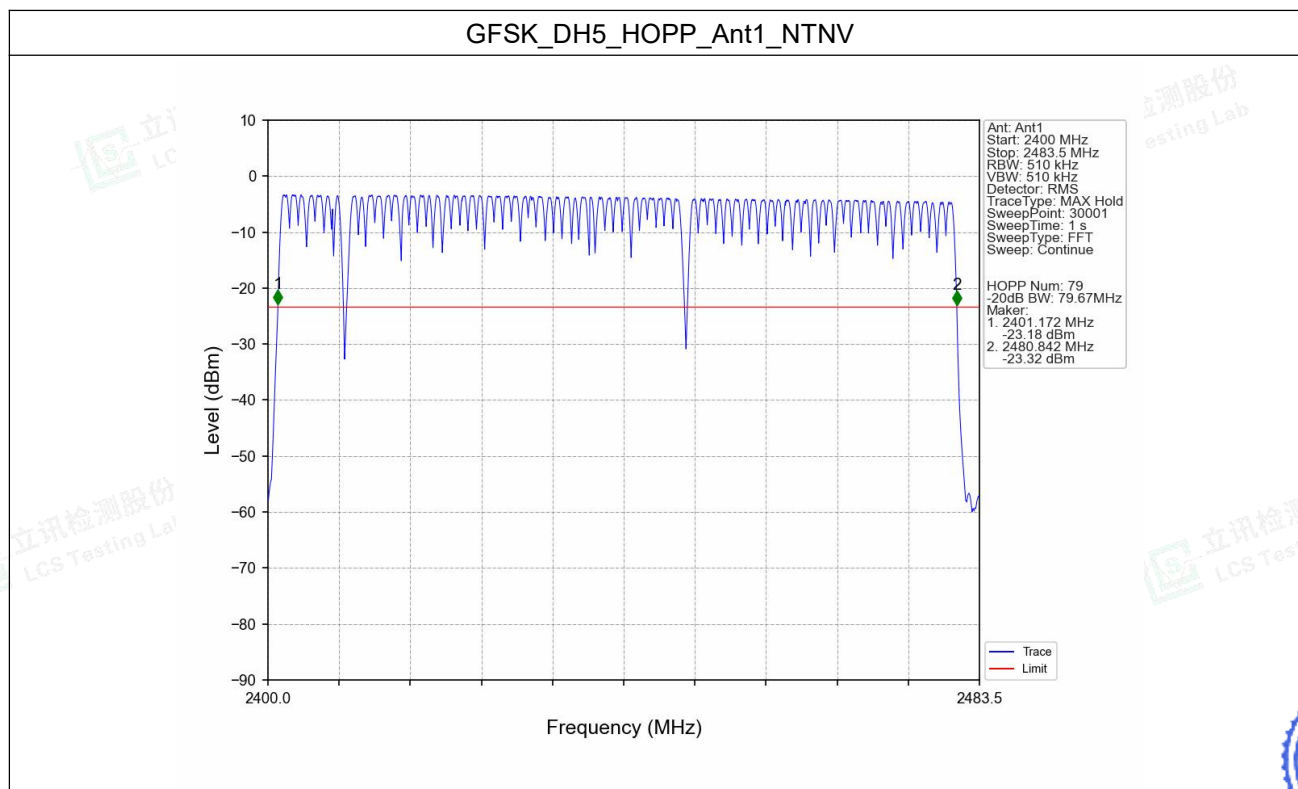
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## E.4 Hopping Sequence

Ant1									
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	HOPP Num (N)		-20 dB Bandwidth (MHz)		Verdict
					Result	Limit	Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	79	$\geq 15$	79.670	$\geq 58.45$	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	79	$\geq 15$	80.121	$\geq 58.45$	Pass
	8DPSK	SISO	HOPP	3DH5	79	$\geq 15$	80.269	$\geq 58.45$	Pass

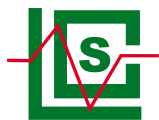


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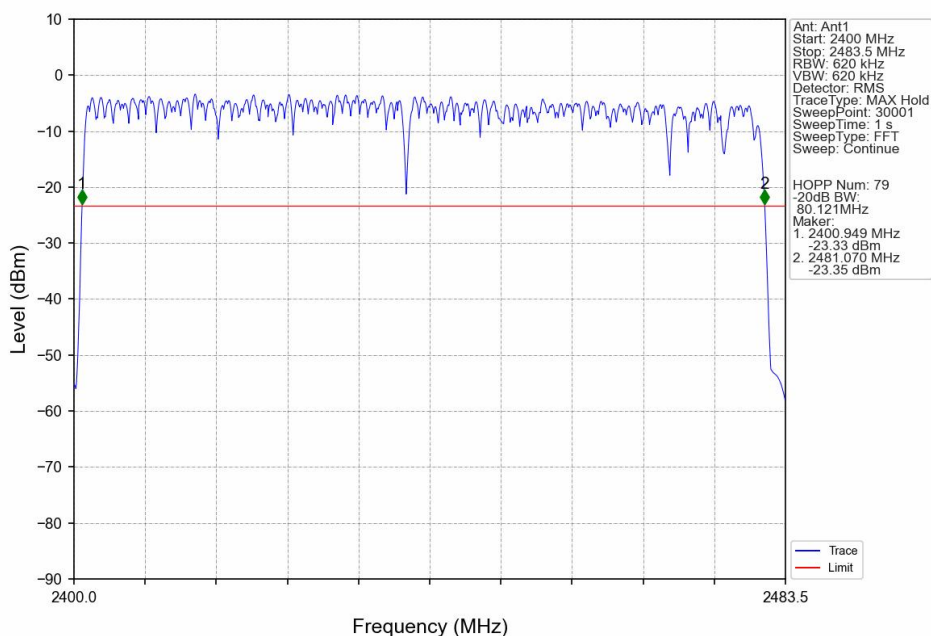
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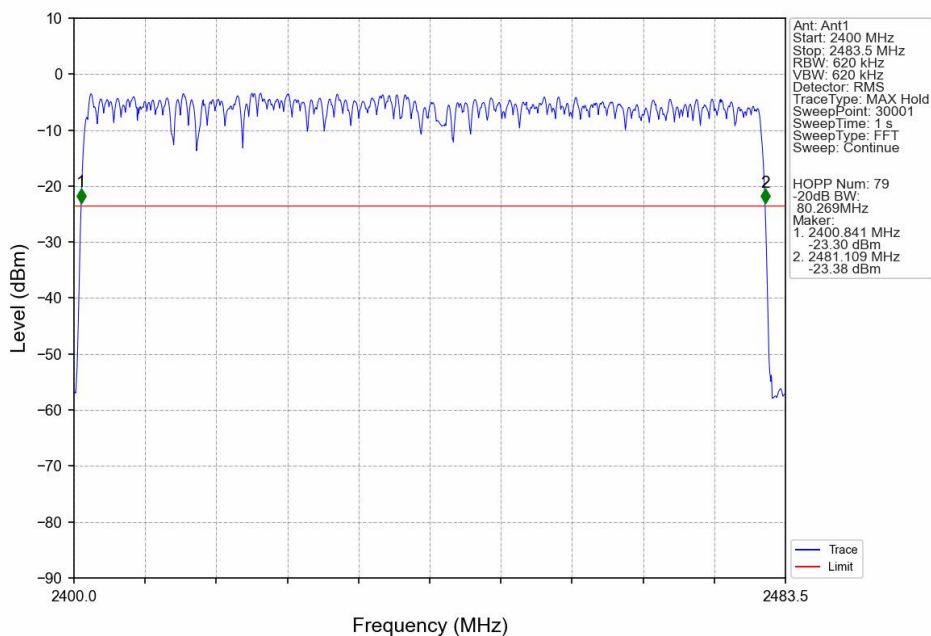
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## Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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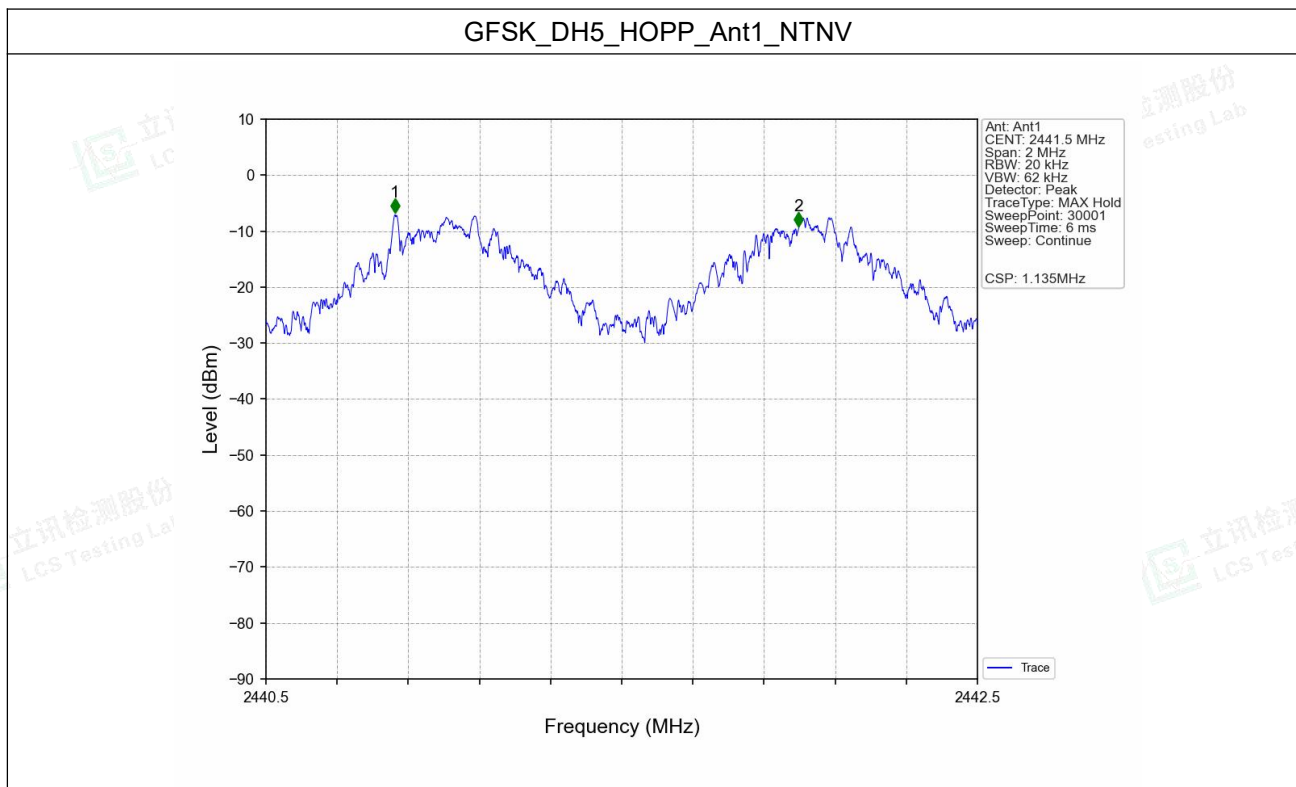
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## E.5 Hopping Frequency Separation

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	Limit (MHz)	Verdict
NTNV	GFSK	SISO	HOPP	DH5	1.135	$\geq 0.1$	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1.004	$\geq 0.1$	Pass
	8DPSK	SISO	HOPP	3DH5	0.996	$\geq 0.1$	Pass



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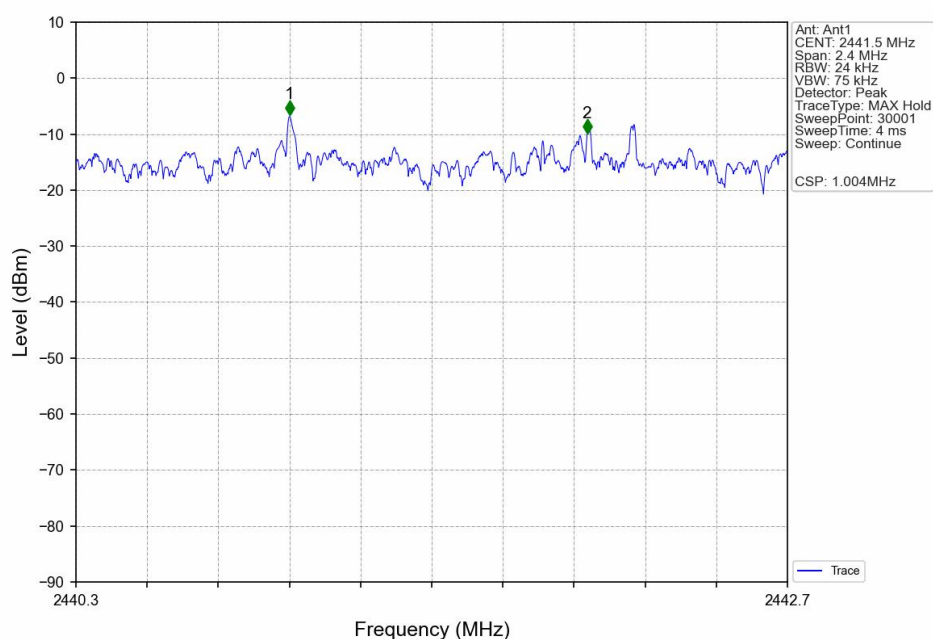
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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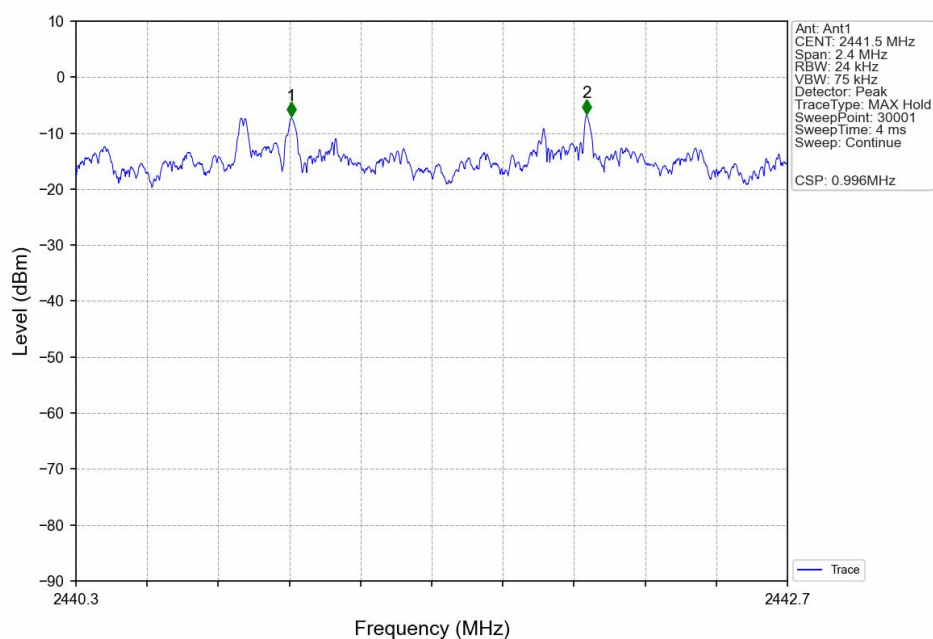
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## Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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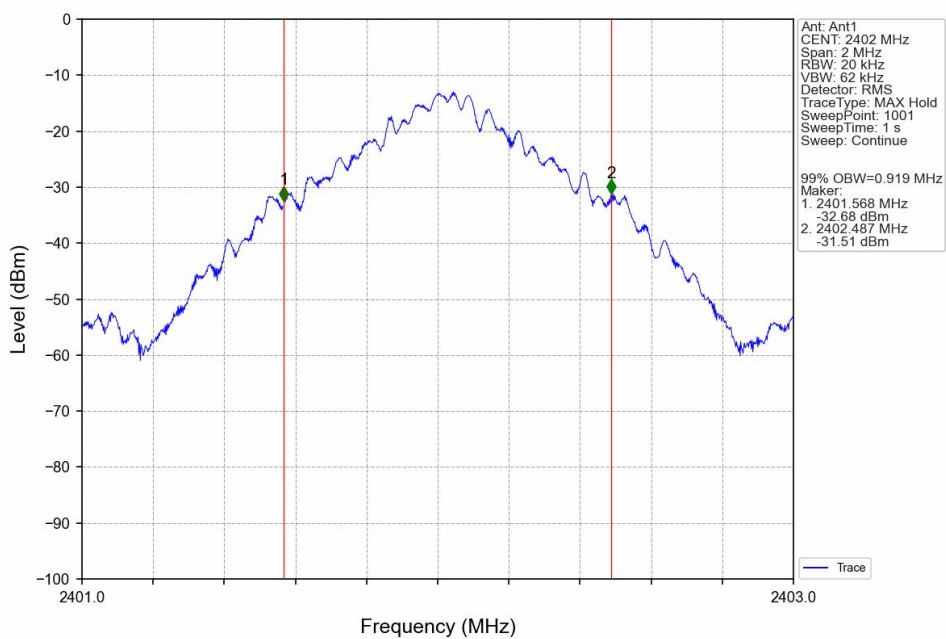
## E.6 Occupied Channel Bandwidth

Ant1									
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	OBW (MHz)	Frequency Range (MHz)			Verdict
					Result	FL	FH	Limit	
NTNV	GFSK	SISO	2402	DH5	0.919	2401.568	/	>=2400	Pass
			2480	DH5	0.940	/	2480.496	<=2483.5	Pass
	Pi/4DQPSK	SISO	2402	2DH5	1.212	2401.424	/	>=2400	Pass
			2480	2DH5	1.217	/	2480.640	<=2483.5	Pass
	8DPSK	SISO	2402	3DH5	1.222	2401.411	/	>=2400	Pass
			2480	3DH5	1.221	/	2480.634	<=2483.5	Pass

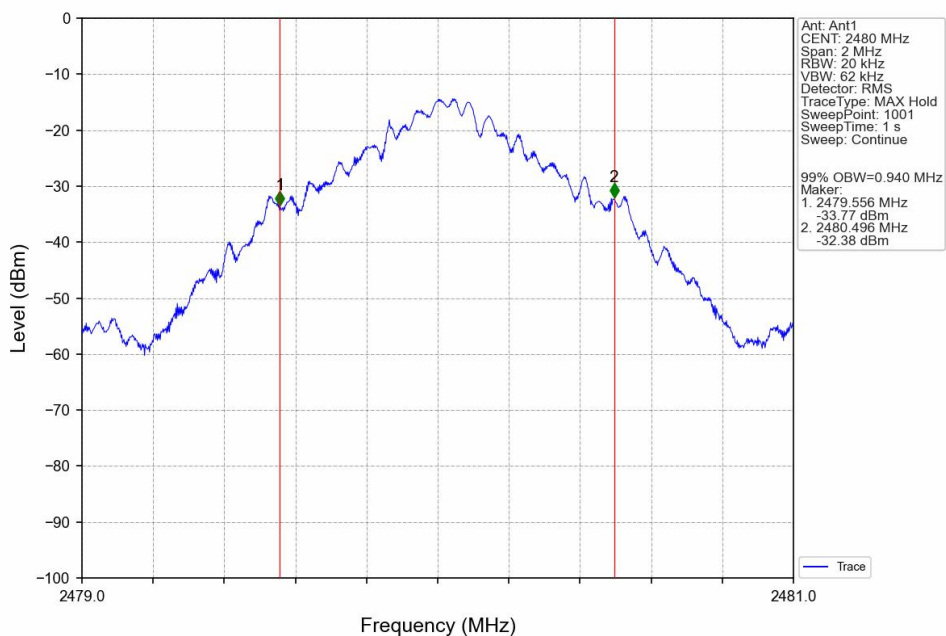




GFSK\_DH5\_2402MHz\_Ant1\_NTNV



GFSK\_DH5\_2480MHz\_Ant1\_NTNV



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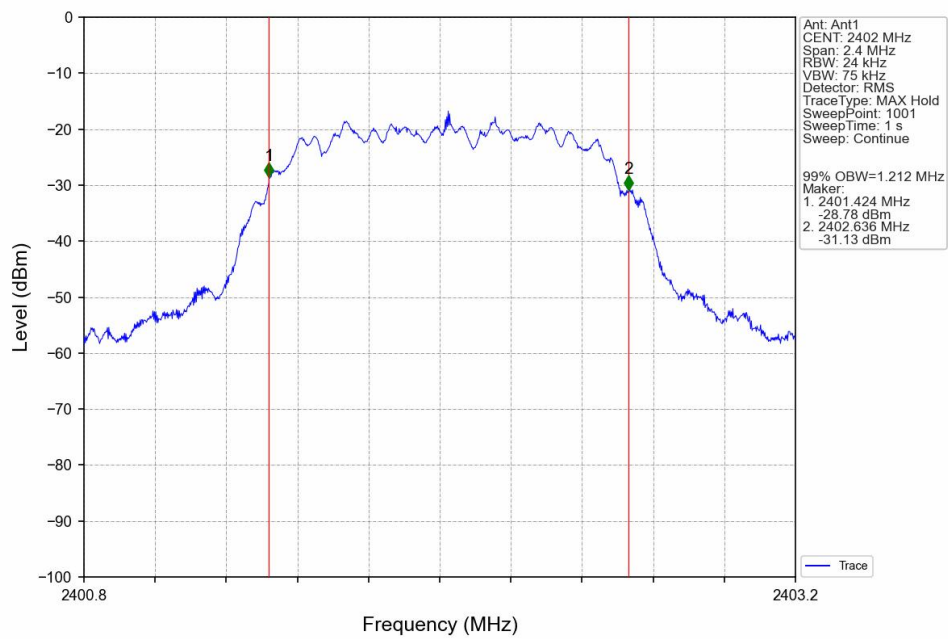
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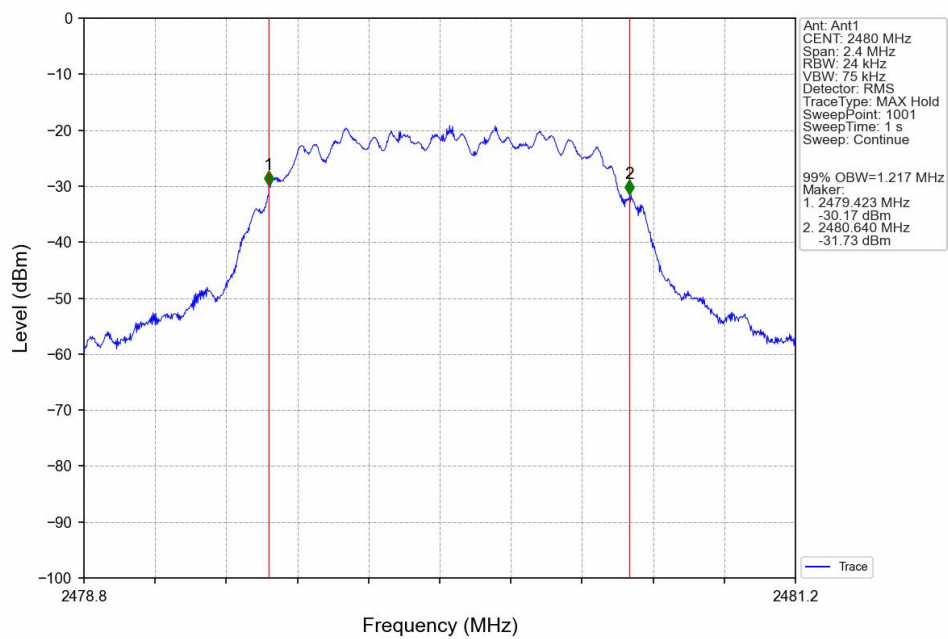
Scan code to check authenticity



Pi/4DQPSK\_2DH5\_2402MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_2480MHz\_Ant1\_NTNV



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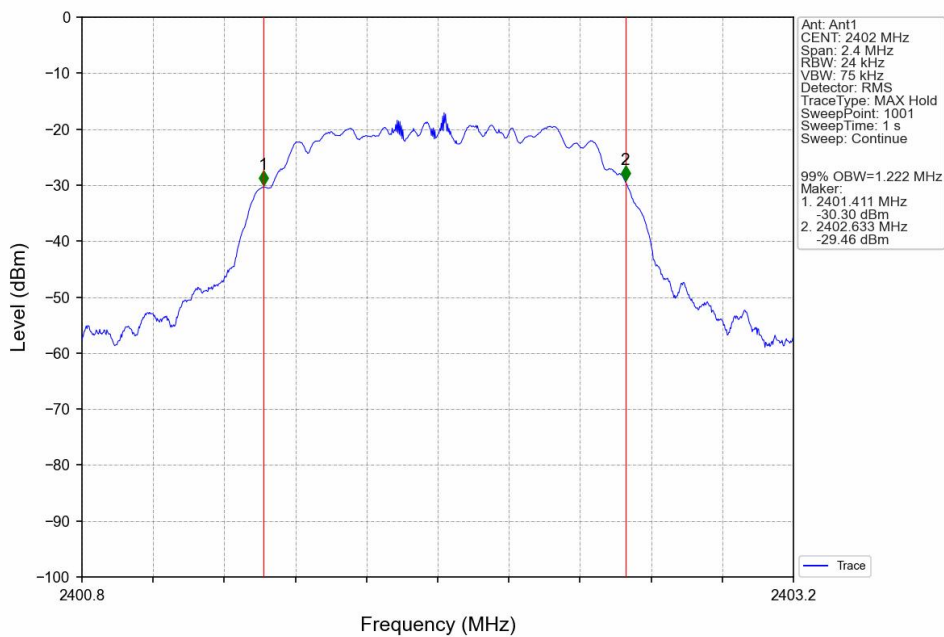
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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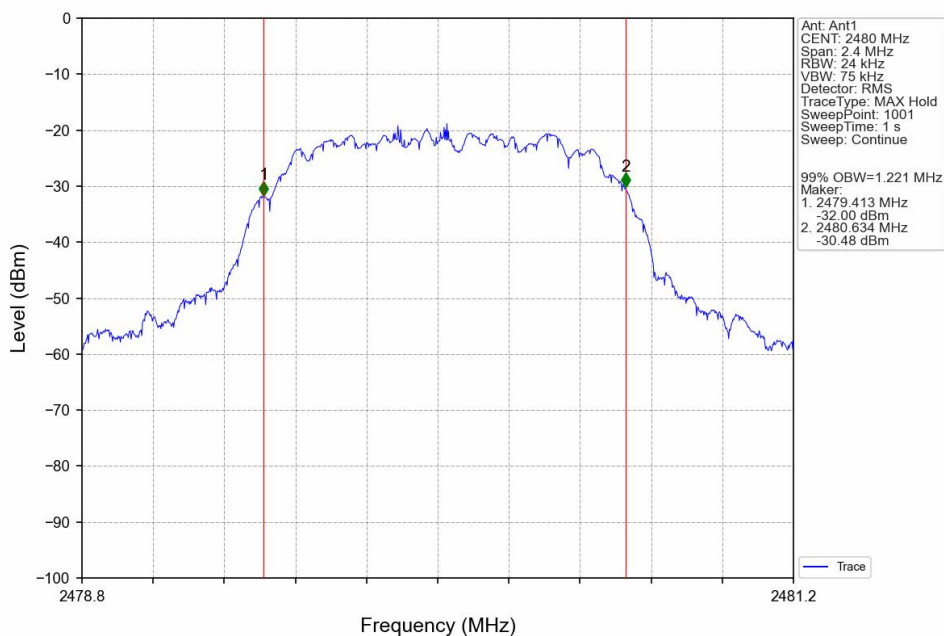
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## 8DPSK\_3DH5\_2402MHz\_Ant1\_NTNV



## 8DPSK\_3DH5\_2480MHz\_Ant1\_NTNV



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## E.7 Transmitter unwanted emissions in the out-of-band domain

Ant1_NTNV								
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
GFSK	SISO	HOPP	DH5	1	2398.500	-69.44	<=-20	Pass
					2399.500	-65.74	<=-10	Pass
		HOPP	DH5	1	2484.000	-68.92	<=-10	Pass
					2485.000	-74.47	<=-20	Pass

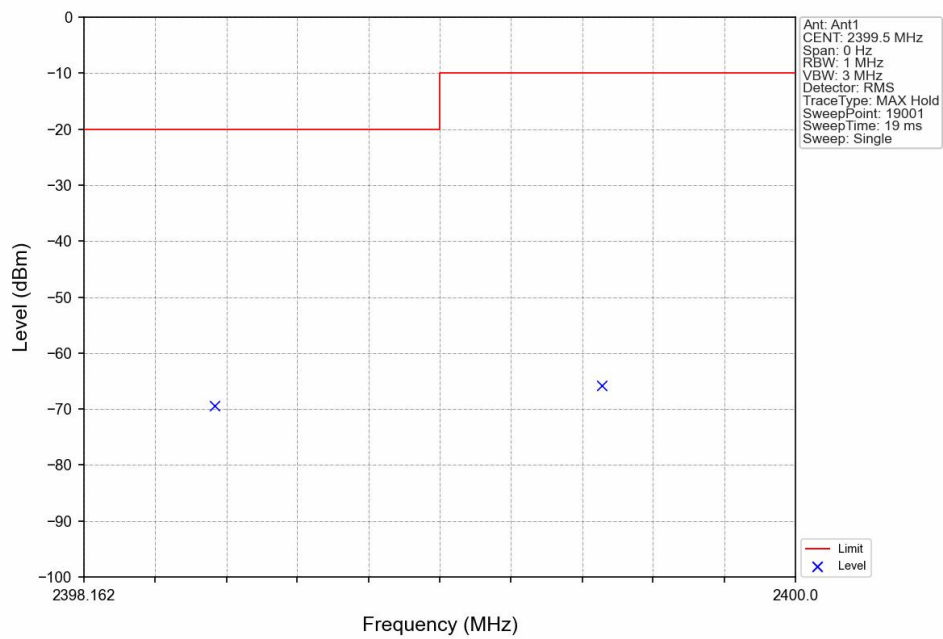
Ant1_NTNV								
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
Pi/4DQPSK	SISO	HOPP	2DH5	1	2398.076	-66.14	<=-20	Pass
					2398.288	-64.65	<=-20	Pass
					2399.288	-71.72	<=-10	Pass
					2399.500	-66.77	<=-10	Pass
		HOPP	2DH5	1	2484.000	-67.31	<=-10	Pass
					2484.217	-69.78	<=-10	Pass
					2485.217	-66.75	<=-20	Pass
					2485.434	-68.53	<=-20	Pass

Ant1_NTNV								
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
8DPSK	SISO	HOPP	3DH5	1	2398.056	-69.07	<=-20	Pass
					2398.278	-66.19	<=-20	Pass
					2399.278	-65.60	<=-10	Pass
					2399.500	-70.15	<=-10	Pass
		HOPP	3DH5	1	2484.000	-69.27	<=-10	Pass
					2484.221	-70.02	<=-10	Pass
					2485.221	-68.57	<=-20	Pass
					2485.442	-69.22	<=-20	Pass

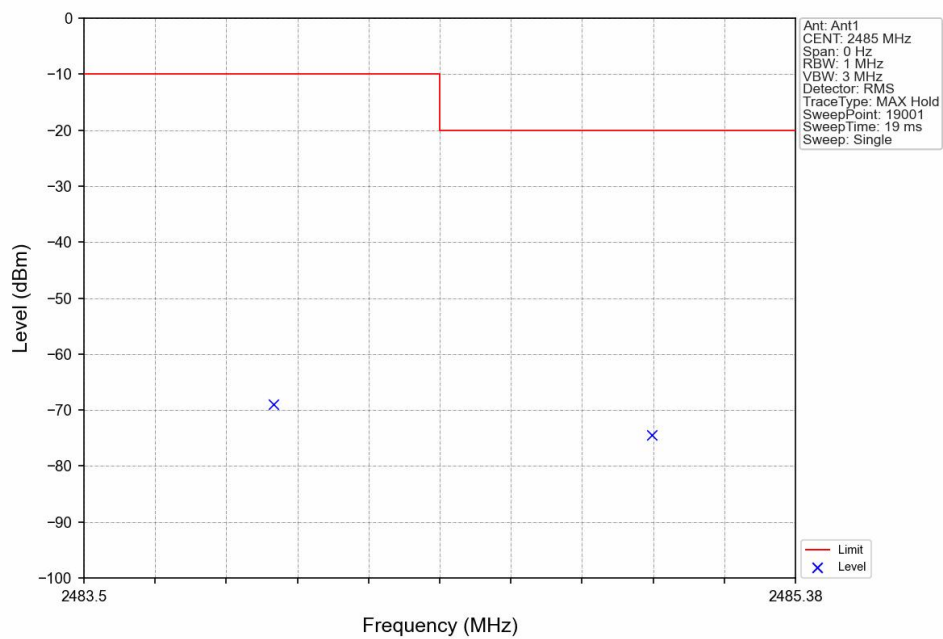


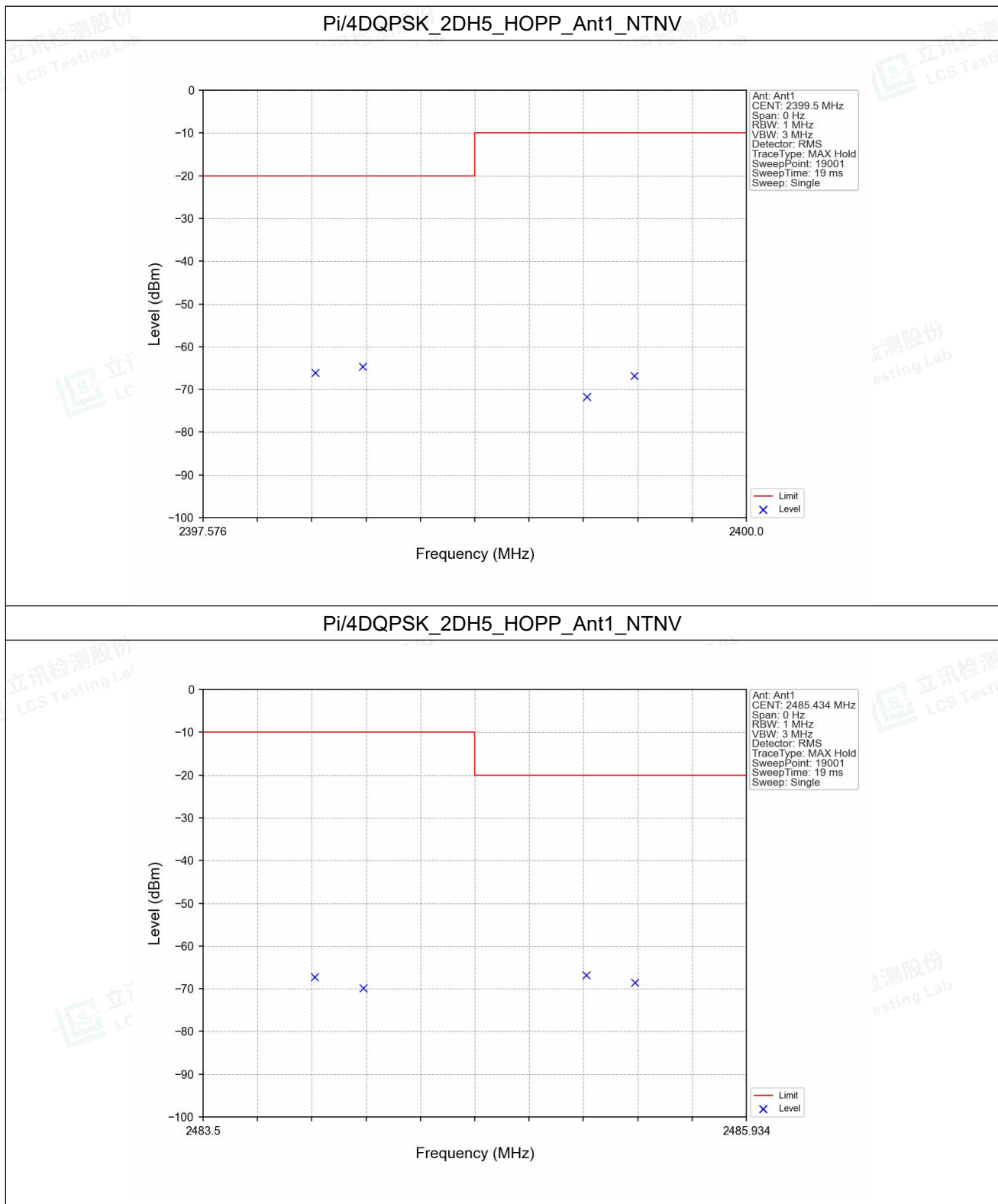


GFSK\_DH5\_HOPP\_Ant1\_NTNV



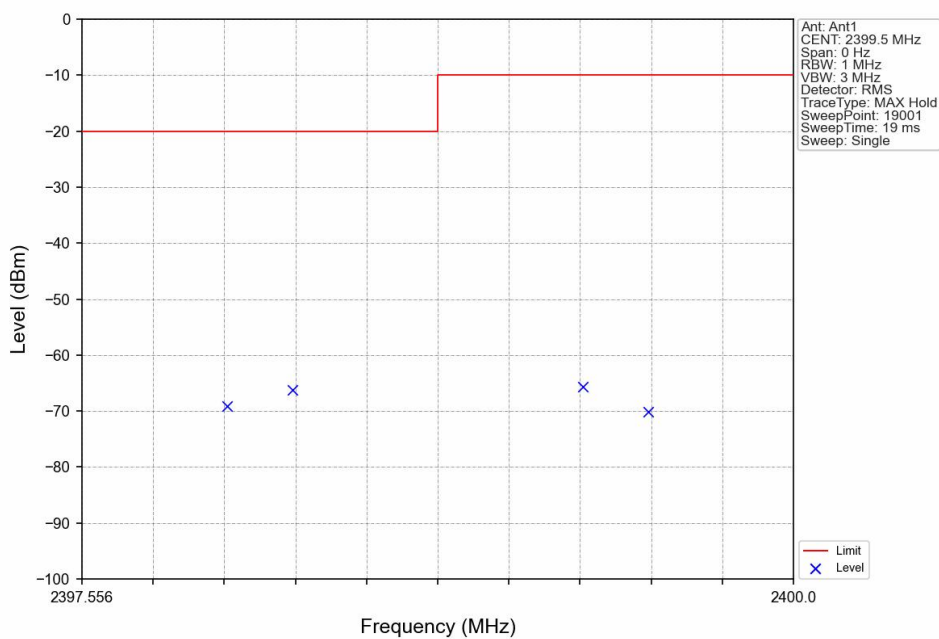
GFSK\_DH5\_HOPP\_Ant1\_NTNV



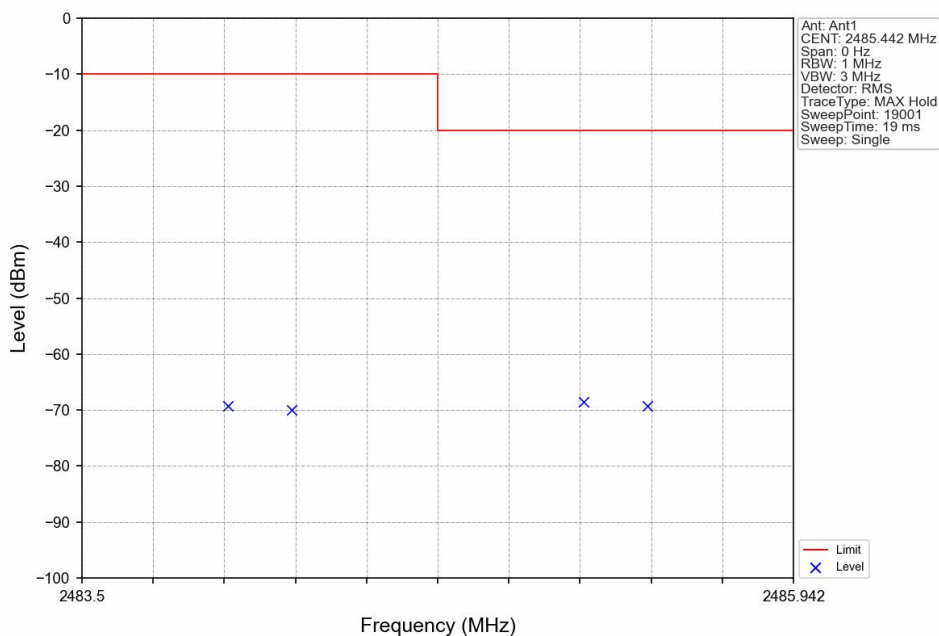




## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



## 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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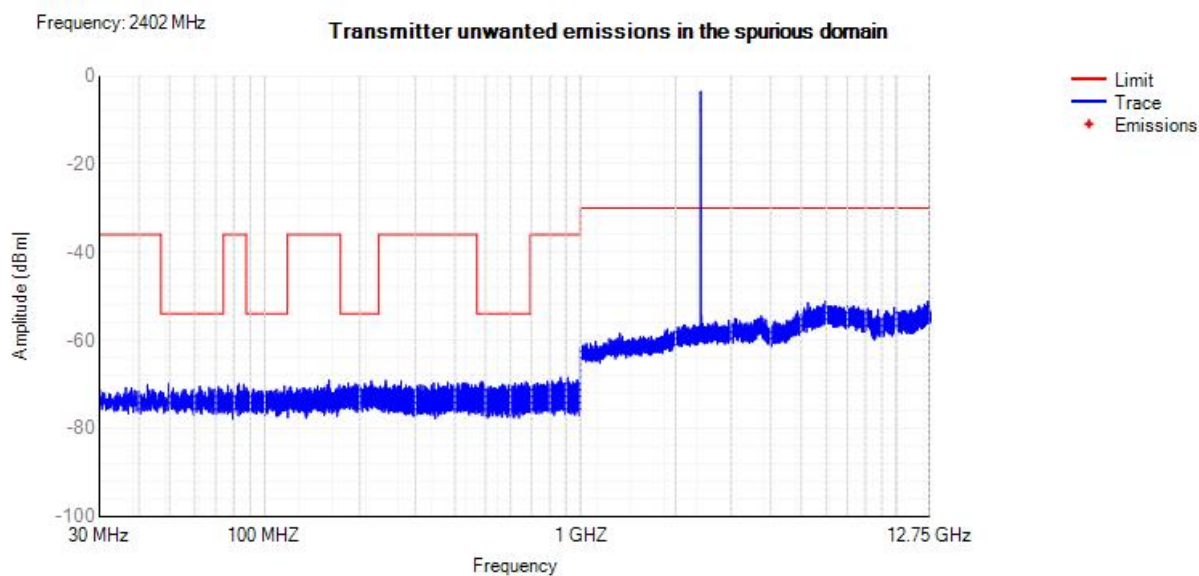


## E.8 Transmitter unwanted emissions in the spurious domain

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Result	Limit	Verdict
NTNV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass

### Test Graph

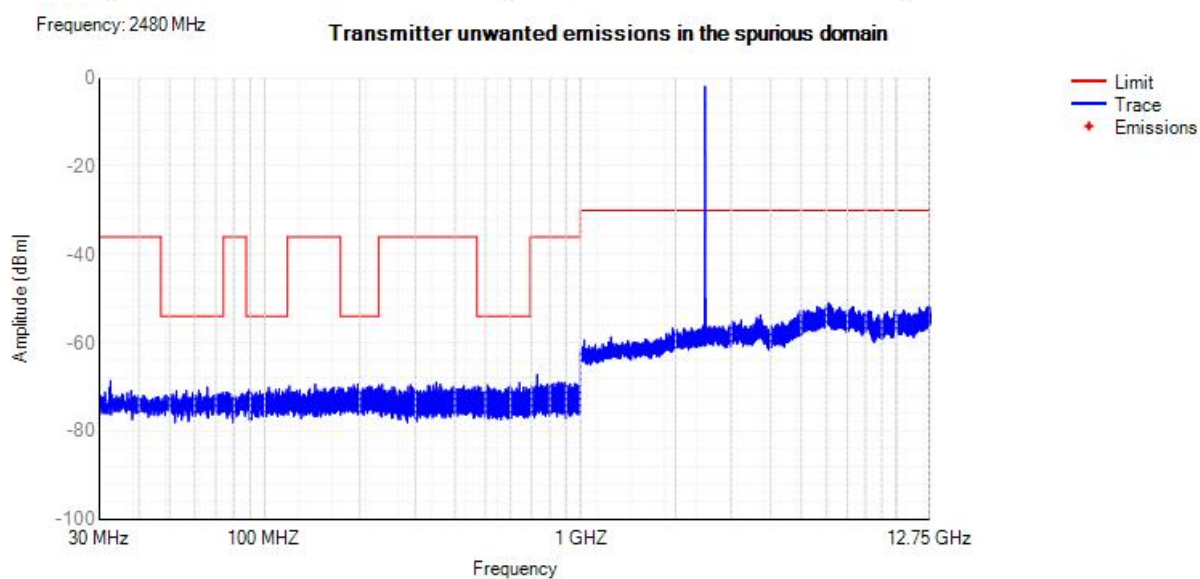
Tx. Spurious NVNT 1-DH5 2402MHz



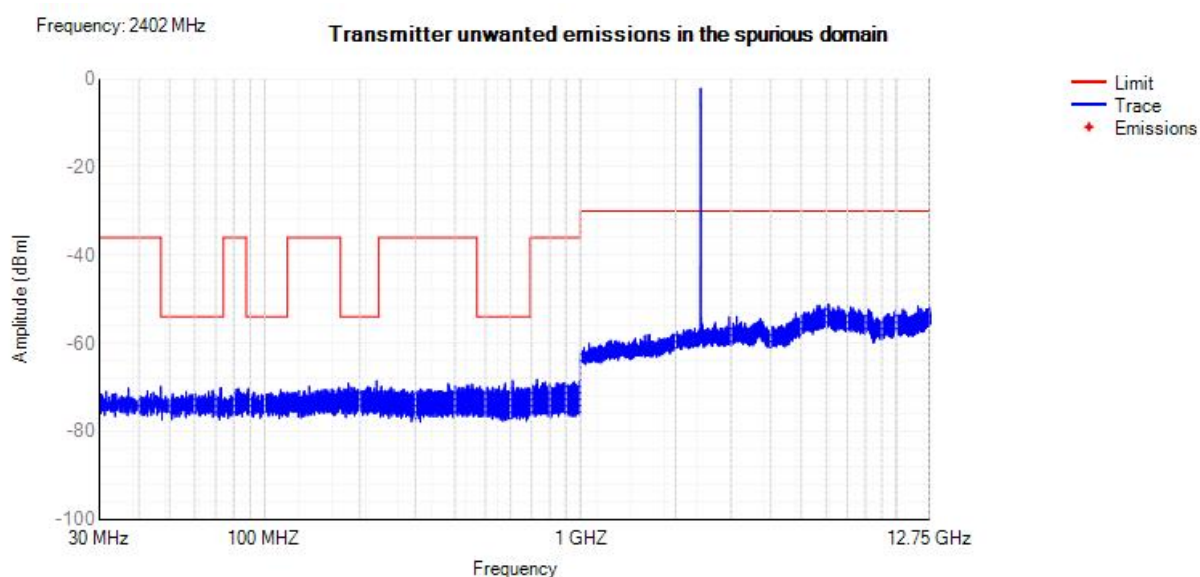




## Tx. Spurious NVNT 1-DH5 2480MHz



## Tx. Spurious NVNT 2-DH5 2402MHz



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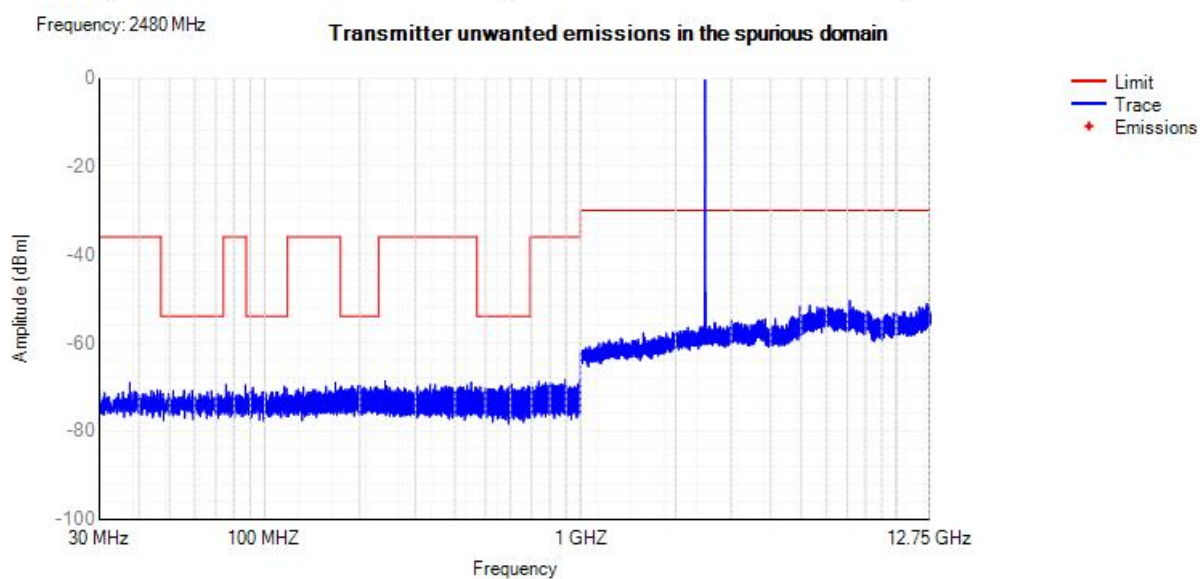
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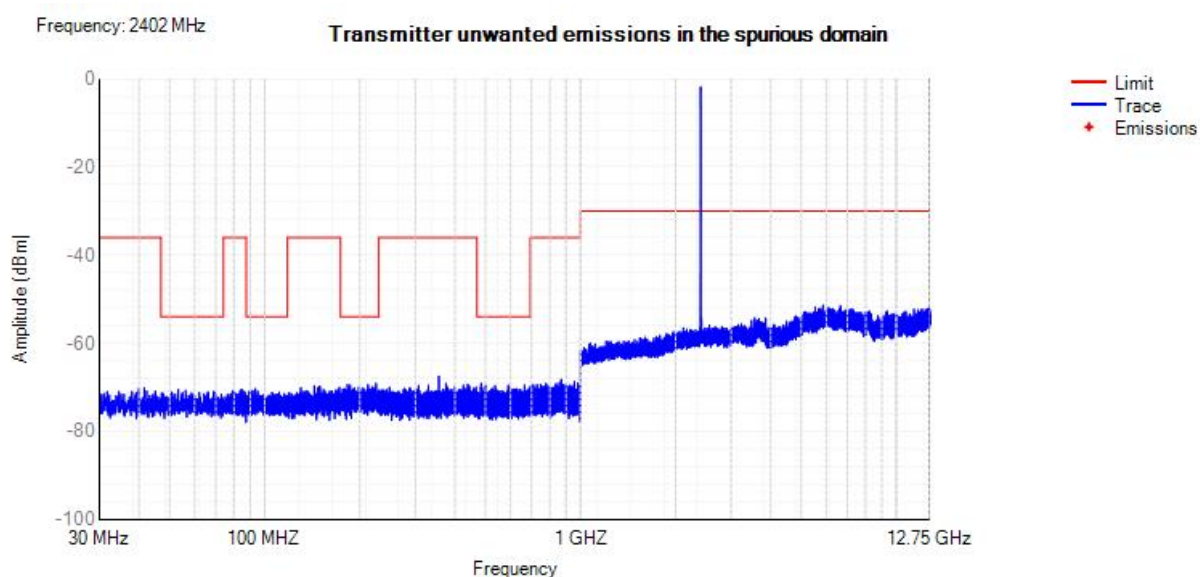




## Tx. Spurious NVNT 2-DH5 2480MHz



## Tx. Spurious NVNT 3-DH5 2402MHz



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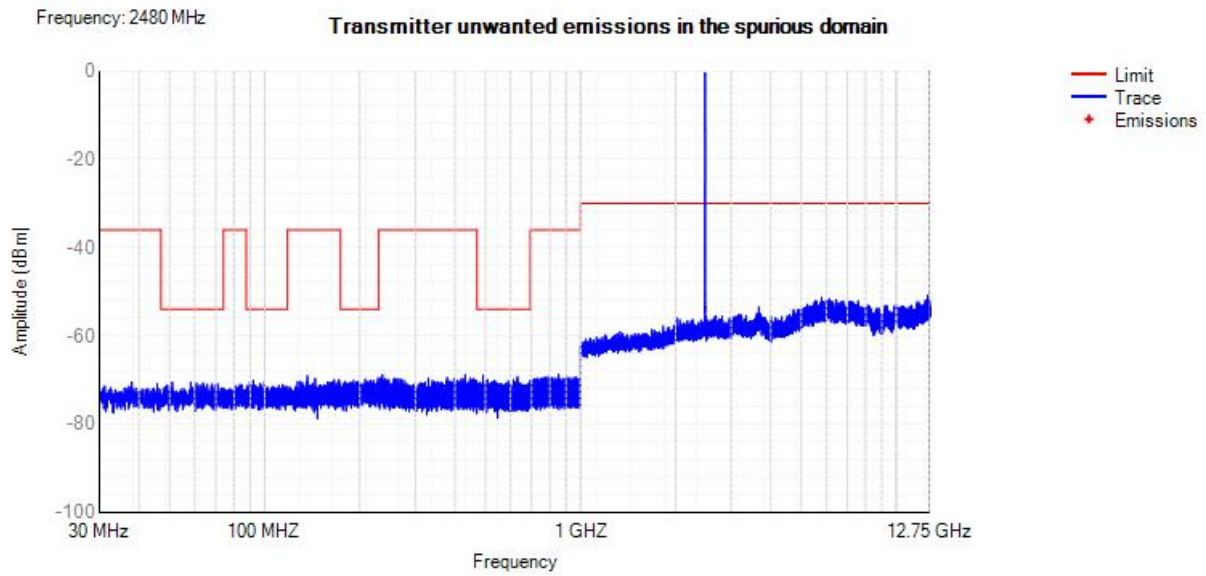
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## Tx. Spurious NVNT 3-DH5 2480MHz



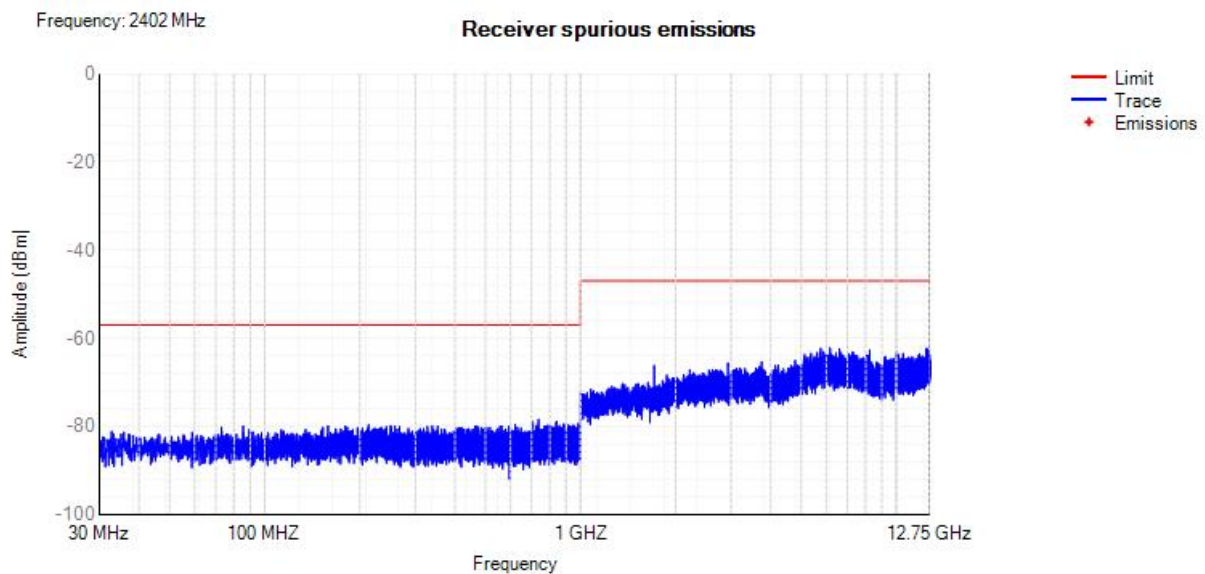


## E.9 Receiver spurious emissions

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Result	Limit	Verdict
NTNV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass

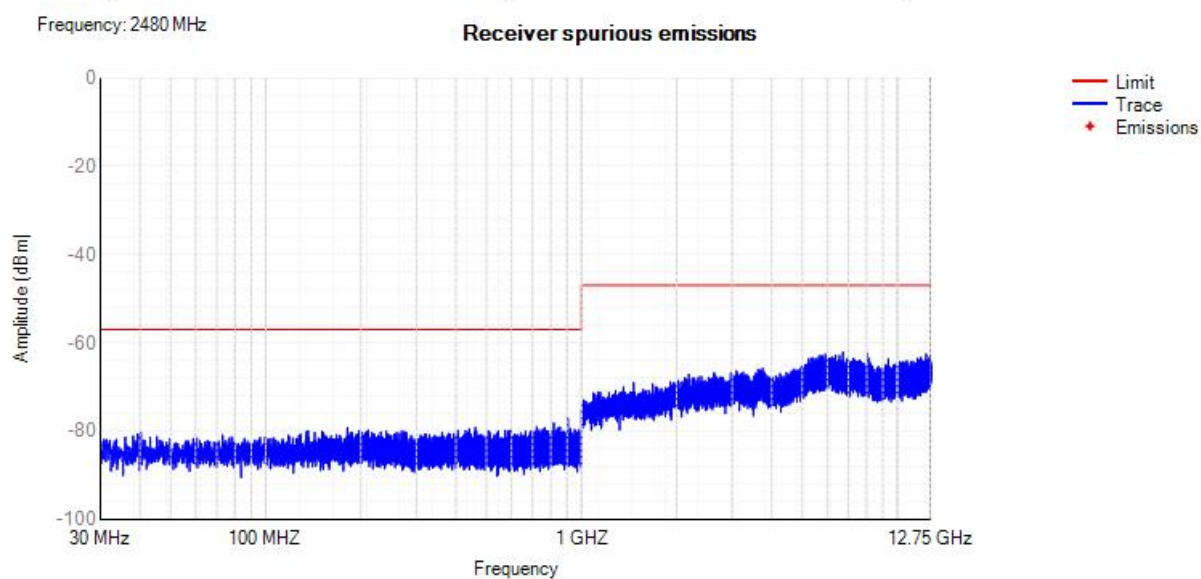
### Test Graph

Rx. Spurious NVNT 1-DH5 2402MHz

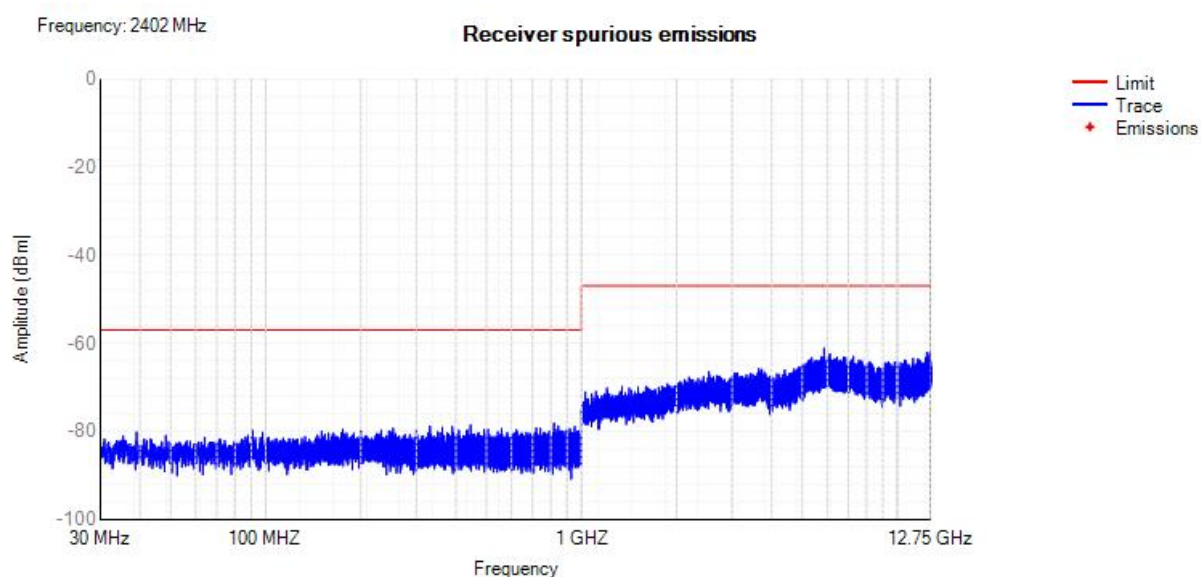




## Rx. Spurious NVNT 1-DH5 2480MHz



## Rx. Spurious NVNT 2-DH5 2402MHz



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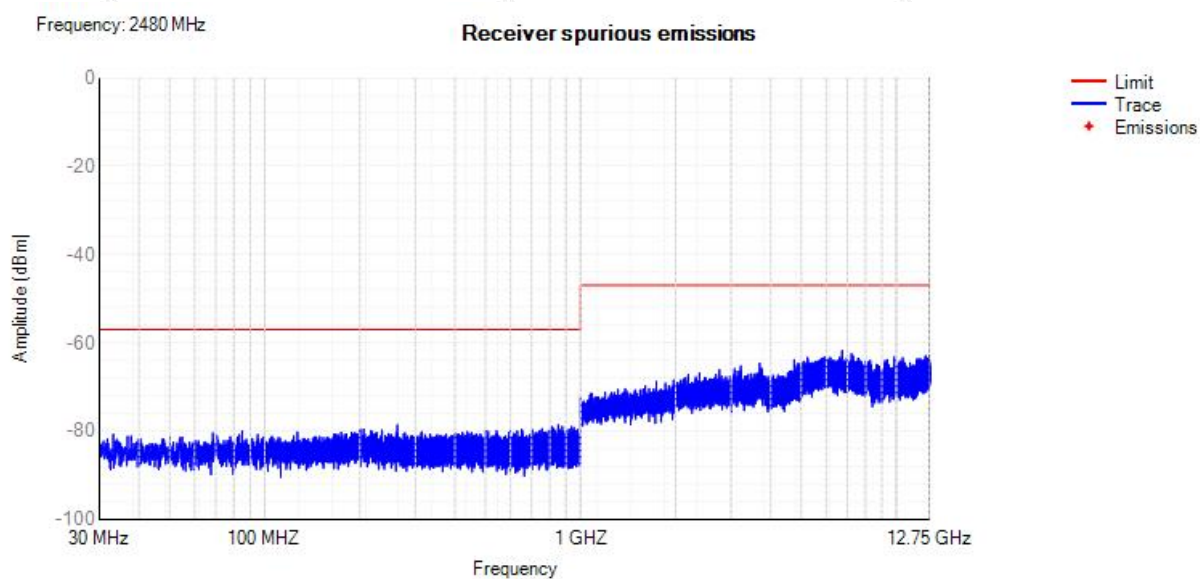
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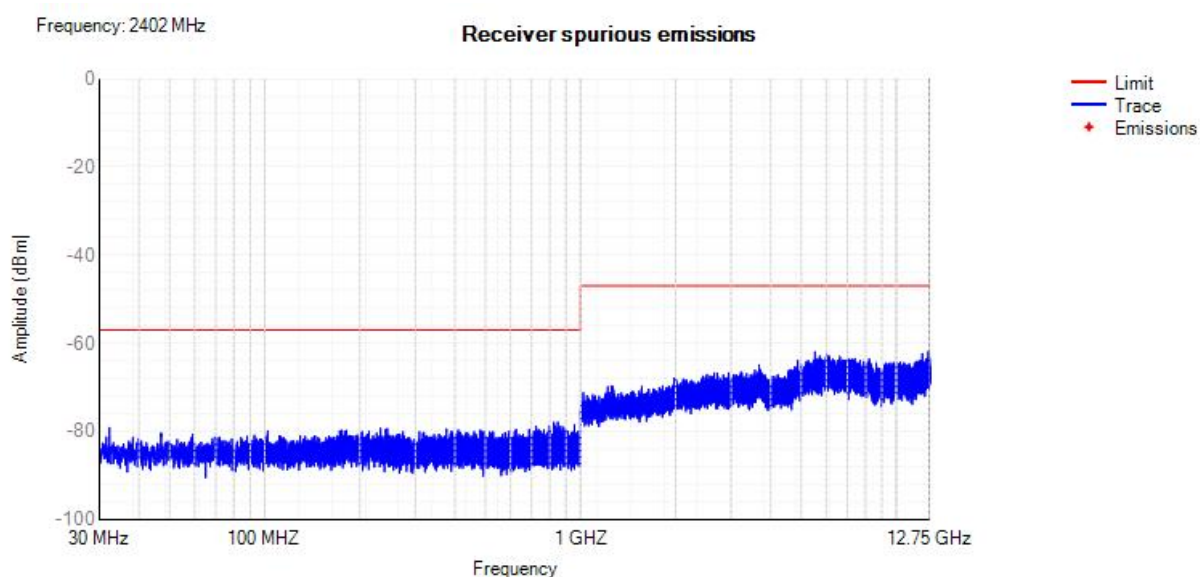
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## Rx. Spurious NVNT 2-DH5 2480MHz



## Rx. Spurious NVNT 3-DH5 2402MHz



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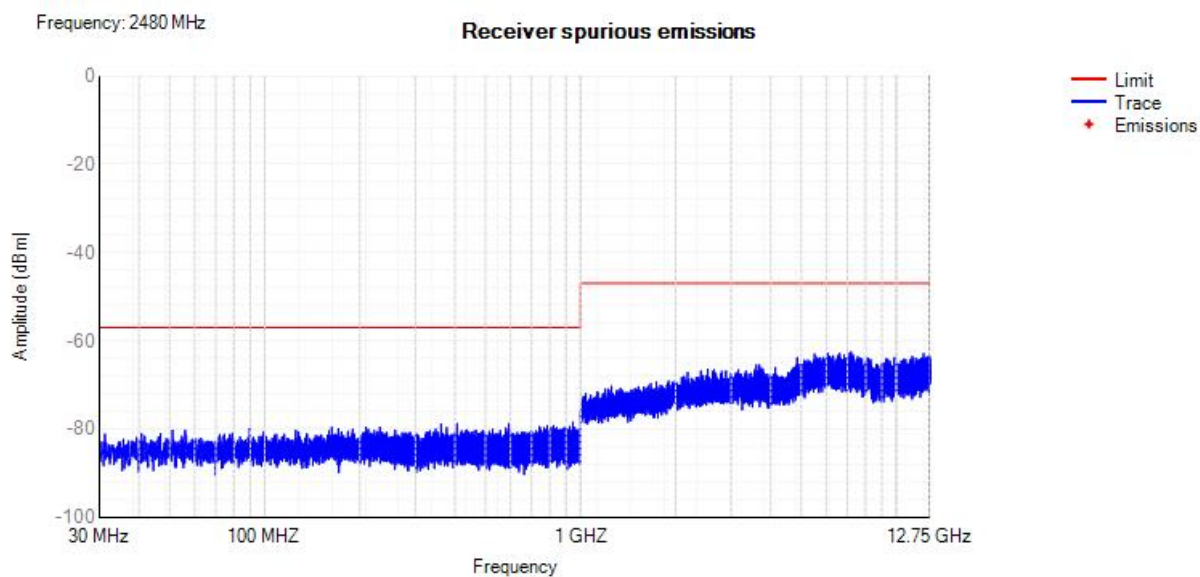
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## Rx. Spurious NVNT 3-DH5 2480MHz







## E.10 Receiver Blocking

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
DH5	2402	-59	2380	-25	$\geq -34$	CW	2.20	10	Pass
			2504	-20	$\geq -34$	CW	3.28	10	Pass
			2300	-23	$\geq -34$	CW	1.24	10	Pass
			2584	-21	$\geq -34$	CW	4.13	10	Pass
	2480	-59	2380	-27	$\geq -34$	CW	3.38	10	Pass
			2504	-22	$\geq -34$	CW	4.76	10	Pass
			2300	-25	$\geq -34$	CW	5.21	10	Pass
			2584	-18	$\geq -34$	CW	2.57	10	Pass
2DH5	2402	-58	2380	-30	$\geq -34$	CW	5.27	10	Pass
			2504	-23	$\geq -34$	CW	5.34	10	Pass
			2300	-28	$\geq -34$	CW	3.49	10	Pass
			2584	-24	$\geq -34$	CW	5.15	10	Pass
	2480	-58	2380	-20	$\geq -34$	CW	5.04	10	Pass
			2504	-26	$\geq -34$	CW	4.46	10	Pass
			2300	-22	$\geq -34$	CW	3.90	10	Pass
			2584	-30	$\geq -34$	CW	4.69	10	Pass
3DH5	2402	-58	2380	-20	$\geq -34$	CW	3.13	10	Pass
			2504	-27	$\geq -34$	CW	3.99	10	Pass
			2300	-22	$\geq -34$	CW	5.45	10	Pass
			2584	-24	$\geq -34$	CW	5.57	10	Pass
	2480	-58	2380	-29	$\geq -34$	CW	2.04	10	Pass
			2504	-22	$\geq -34$	CW	6.43	10	Pass
			2300	-17	$\geq -34$	CW	4.64	10	Pass
			2584	-27	$\geq -34$	CW	5.96	10	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.

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