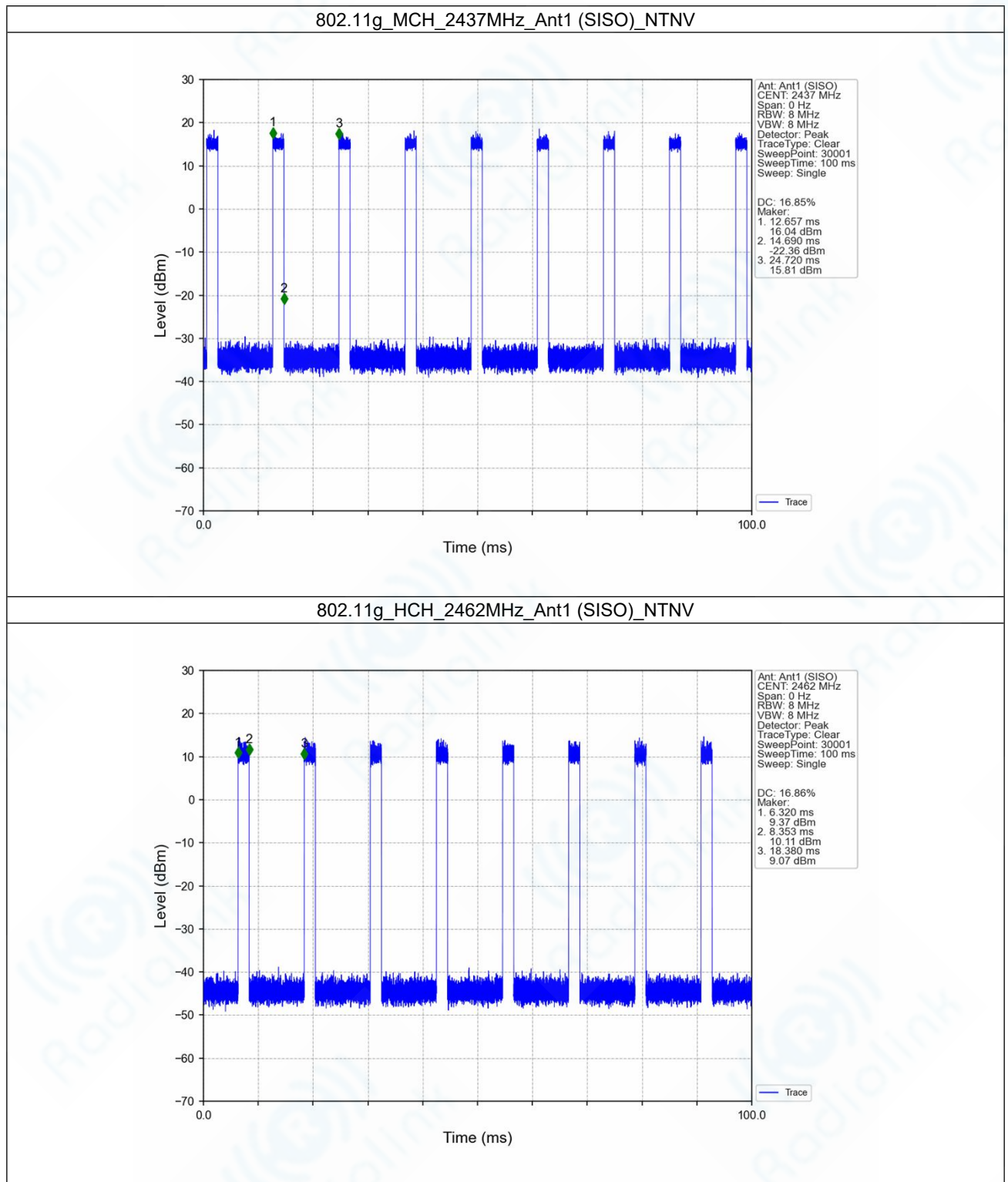
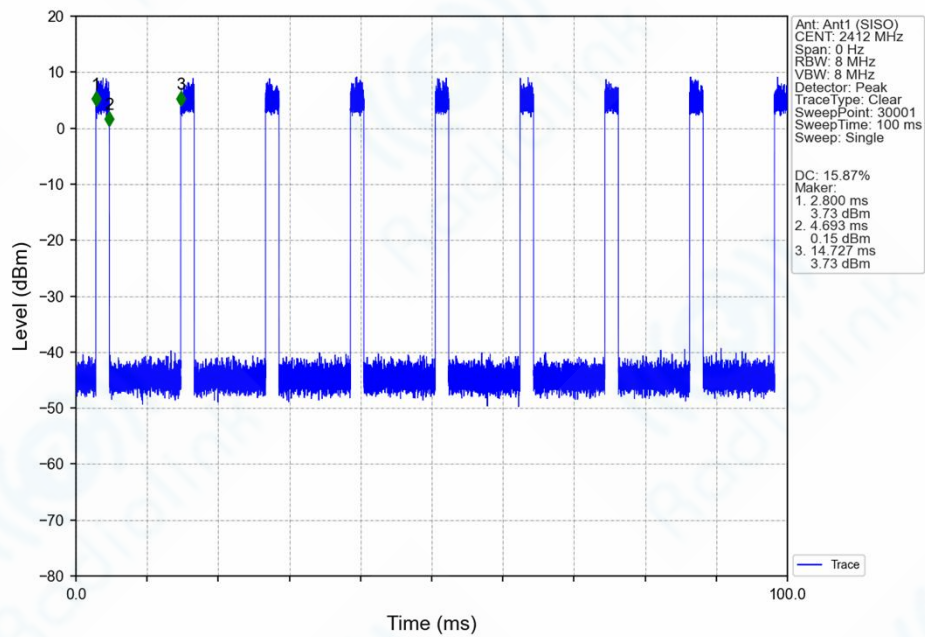
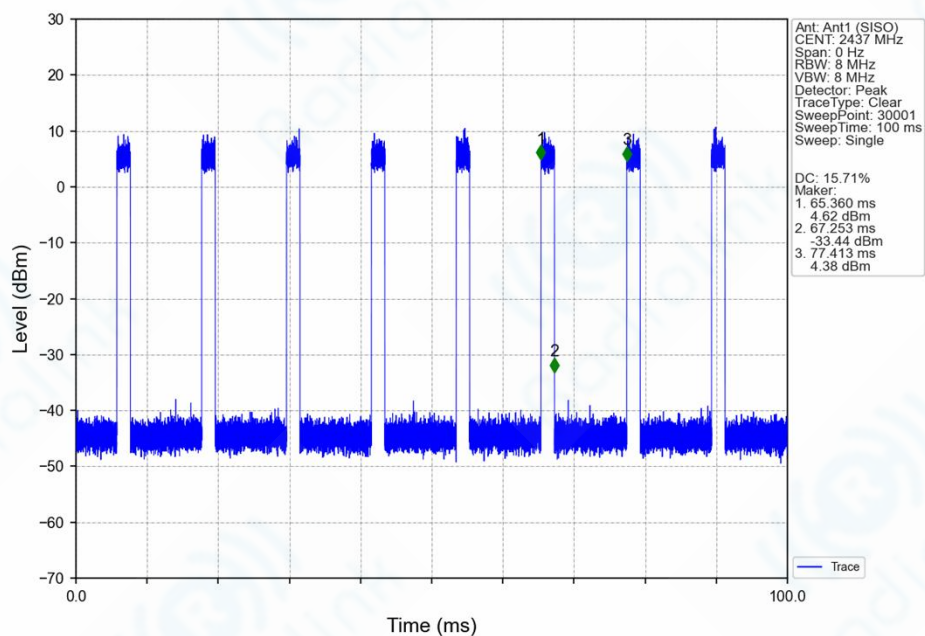




802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

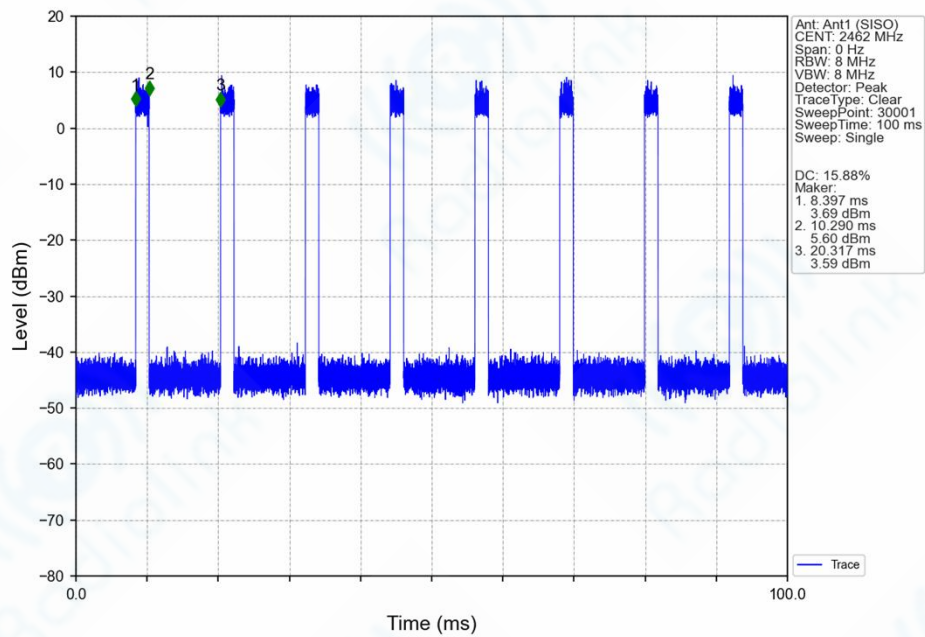


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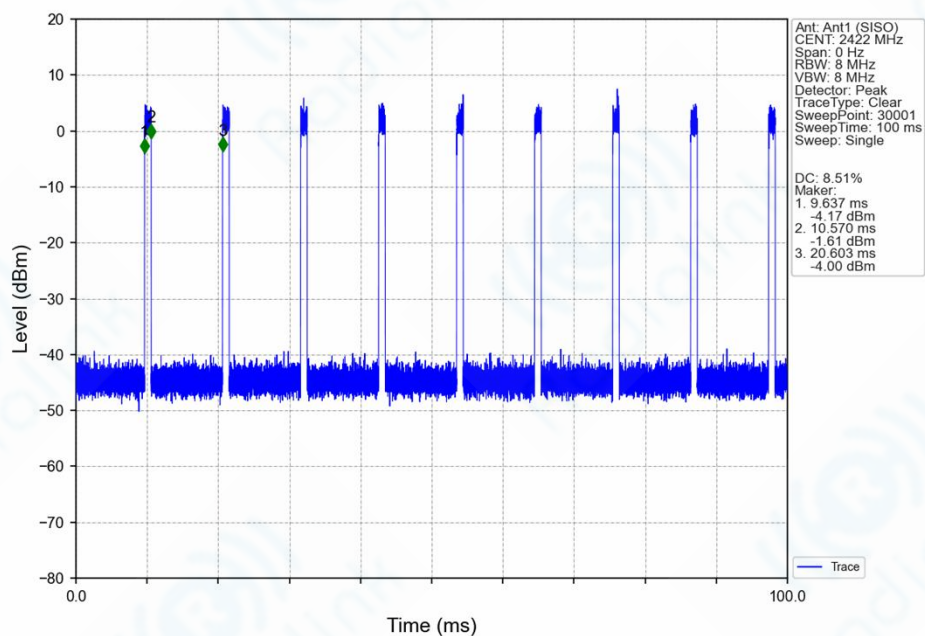
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

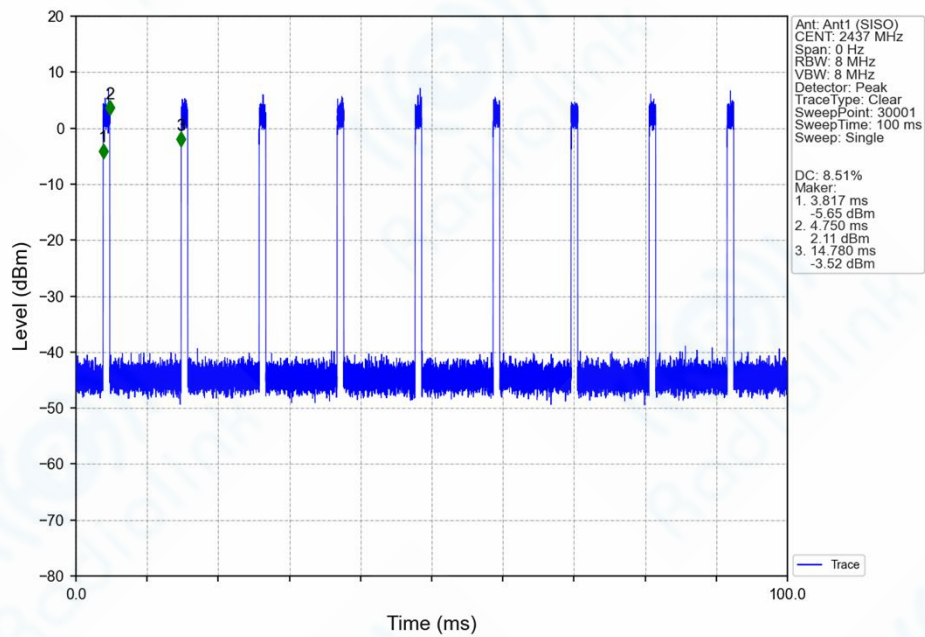


Radiolink Testing (Shenzhen) Co., Ltd.

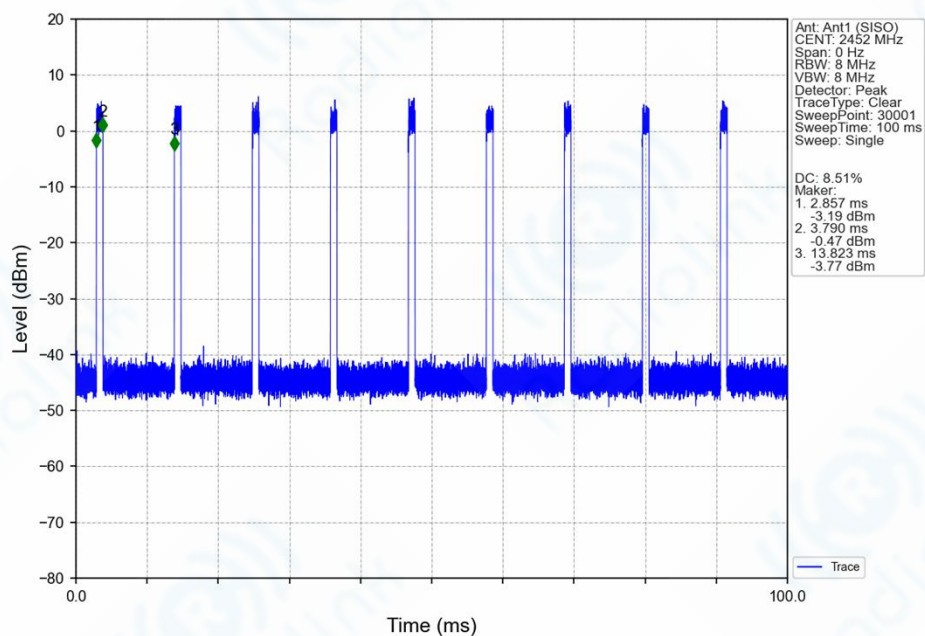
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.268	/	Pass
		2437	1	13.699	/	Pass
		2462	1	14.651	/	Pass
802.11g	SISO	2412	1	16.678	/	Pass
		2437	1	16.638	/	Pass
		2462	1	17.821	/	Pass
802.11n (HT20)	SISO	2412	1	17.880	/	Pass
		2437	1	17.833	/	Pass
		2462	1	17.802	/	Pass
802.11n (HT40)	SISO	2422	1	36.761	/	Pass
		2437	1	36.635	/	Pass
		2452	1	36.753	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.154	≥ 0.5	Pass
		2437	1	9.143	≥ 0.5	Pass
		2462	1	9.148	≥ 0.5	Pass
802.11g	SISO	2412	1	16.316	≥ 0.5	Pass
		2437	1	16.486	≥ 0.5	Pass
		2462	1	16.314	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.549	≥ 0.5	Pass
		2437	1	17.527	≥ 0.5	Pass
		2462	1	17.338	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.295	≥ 0.5	Pass
		2437	1	36.165	≥ 0.5	Pass
		2452	1	36.019	≥ 0.5	Pass



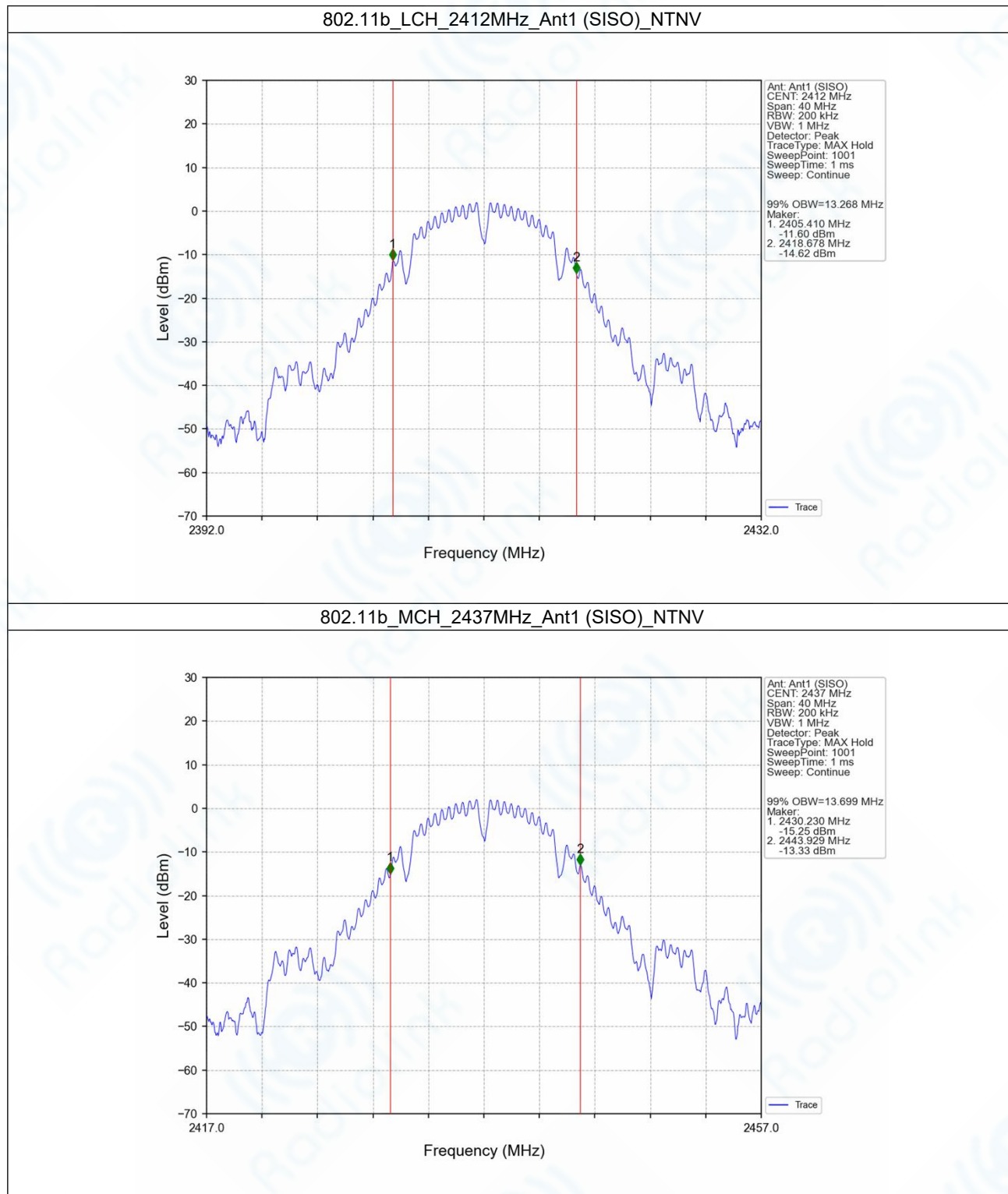
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2.2 Test Graph

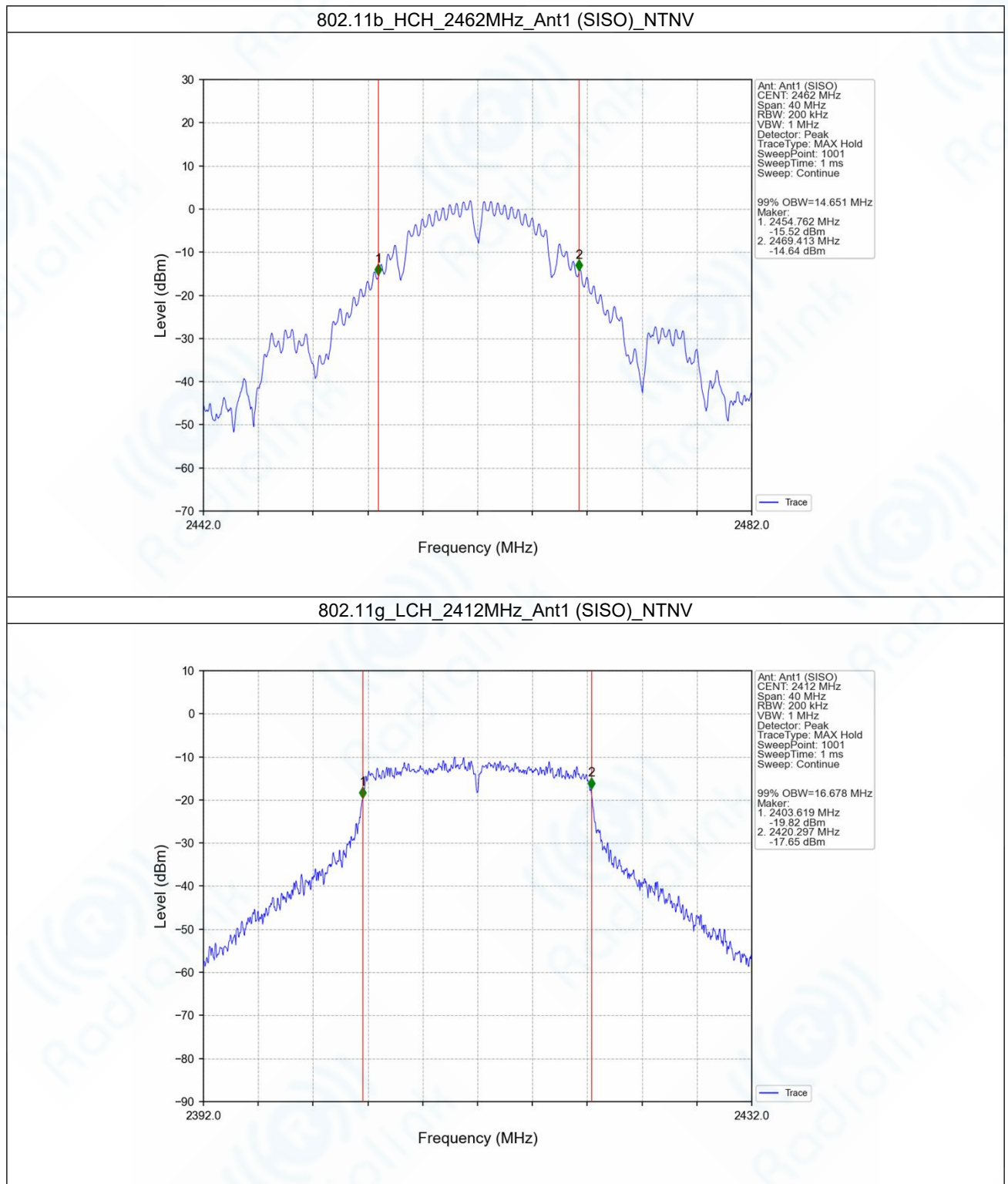
2.2.1 OBW



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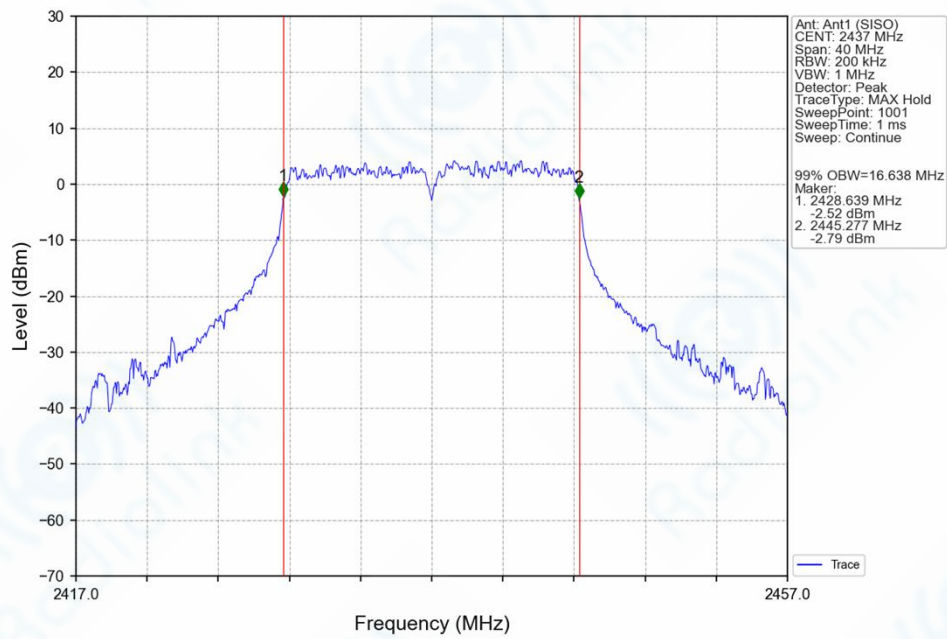


Radiolink Testing (Shenzhen) Co., Ltd.

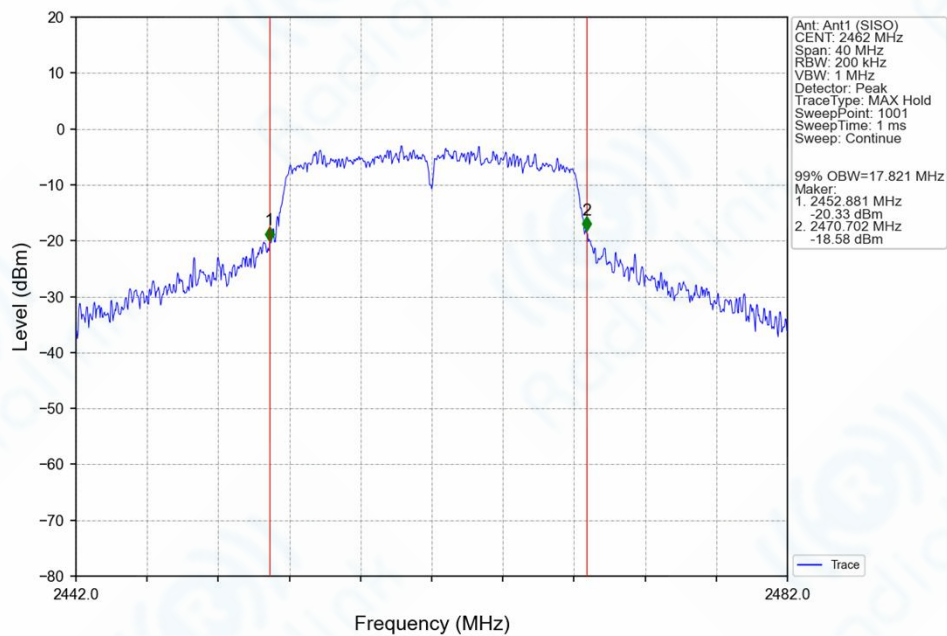
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

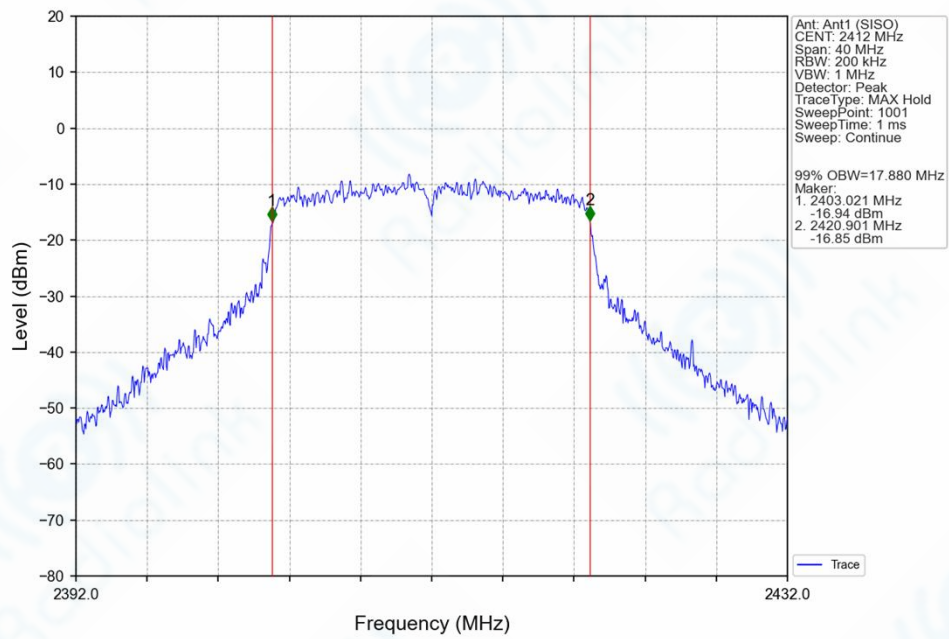


Radiolink Testing (Shenzhen) Co., Ltd.

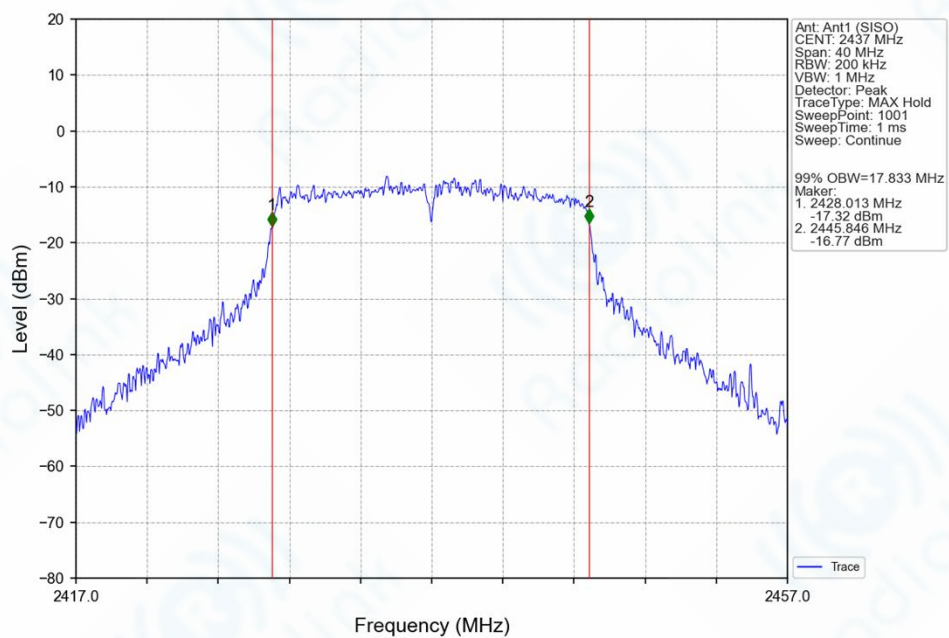
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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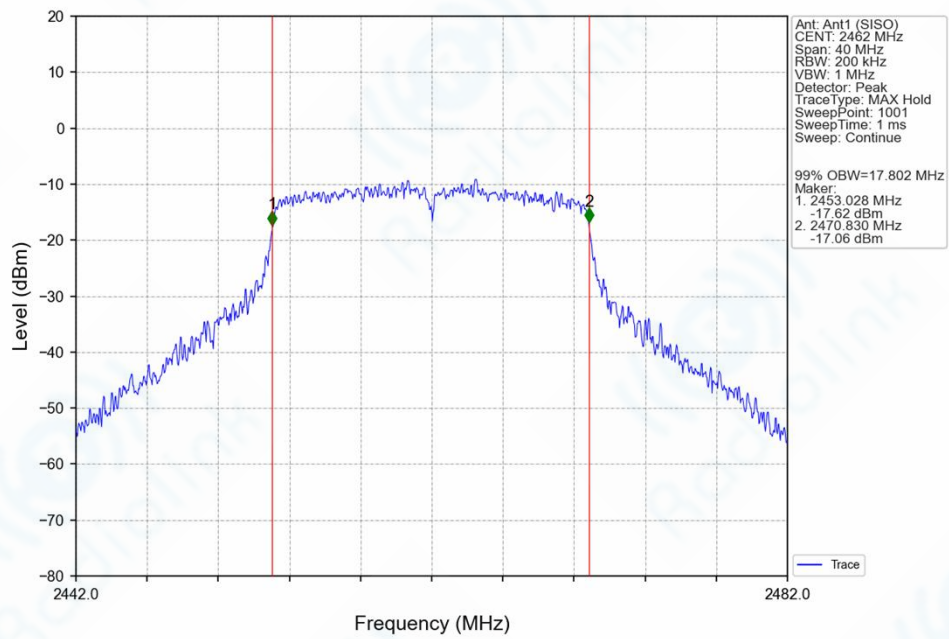
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



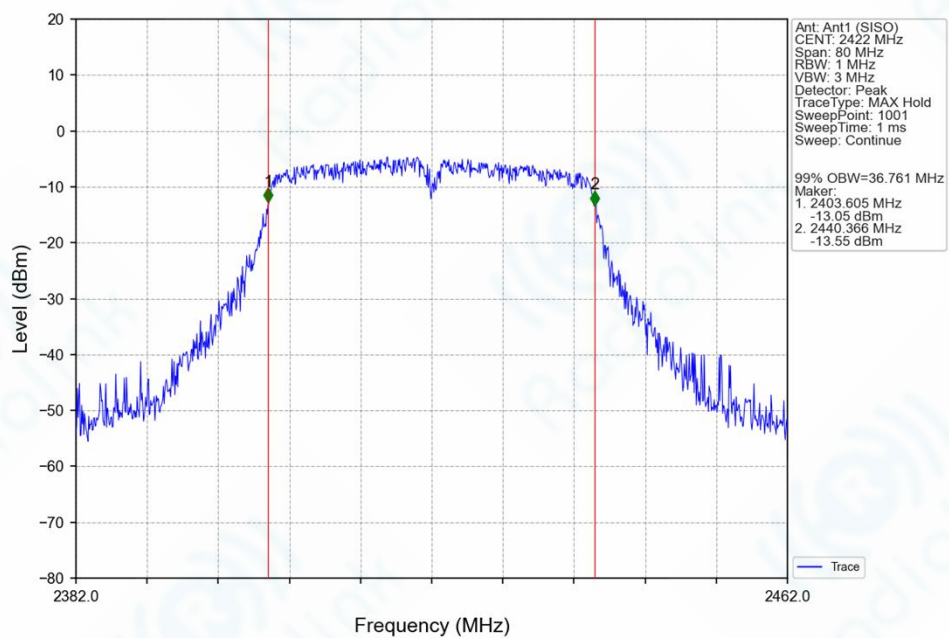
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



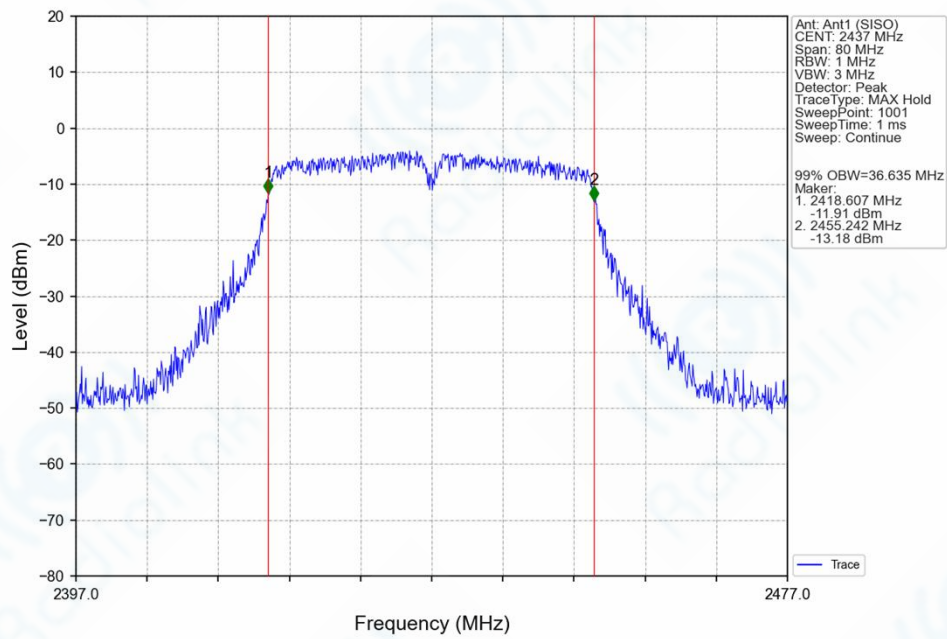
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV


Radiolink Testing (Shenzhen) Co., Ltd.

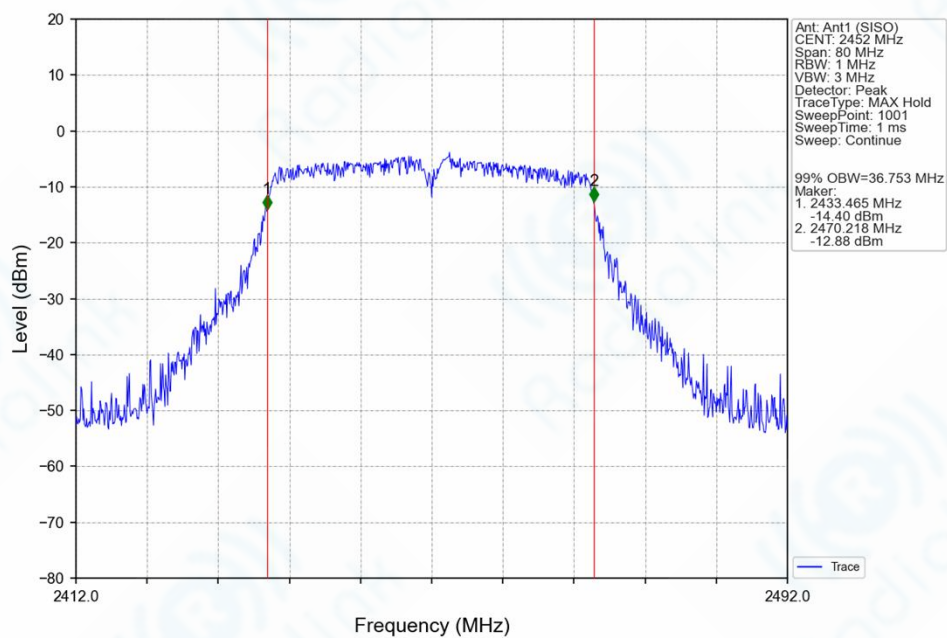
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

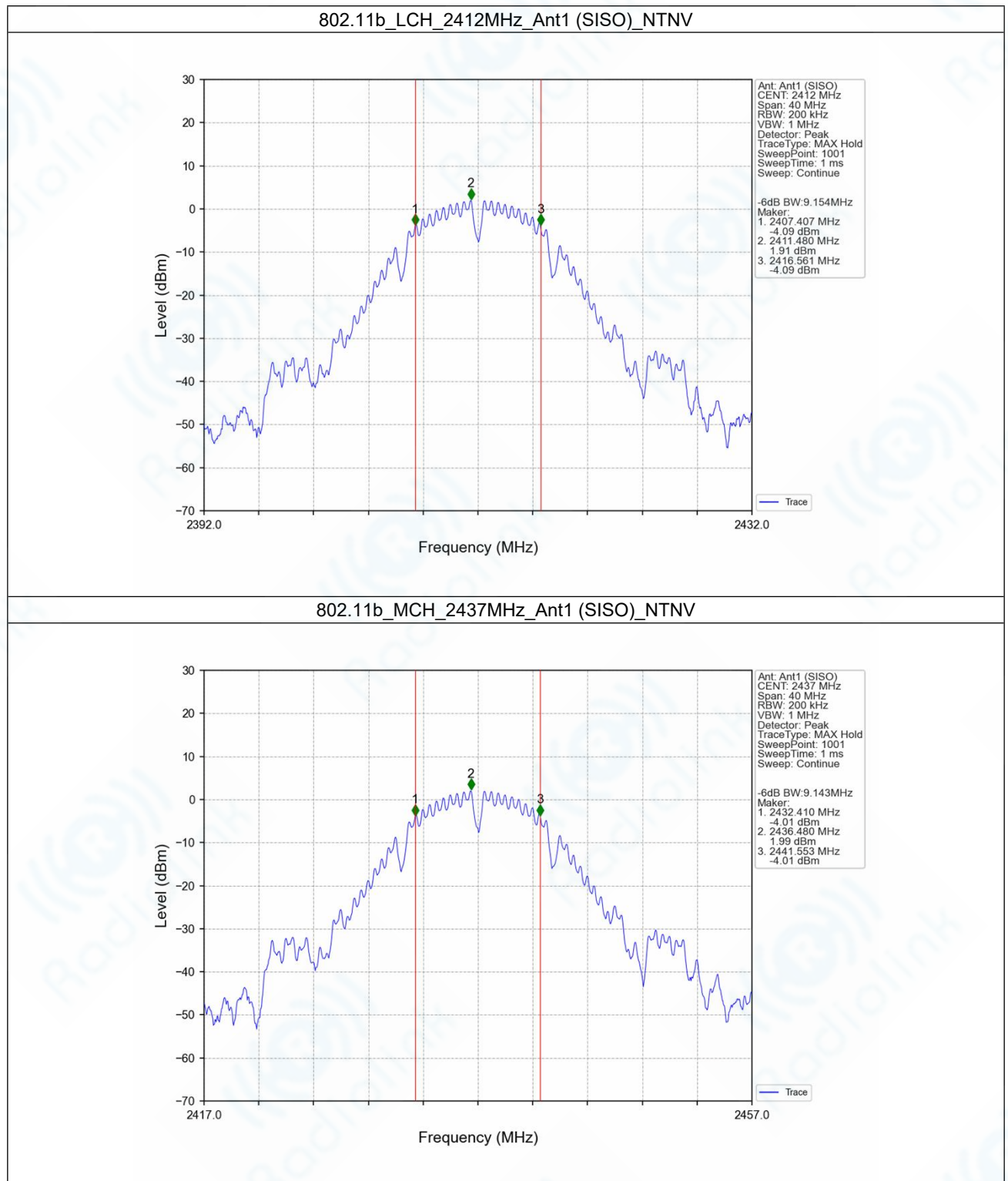


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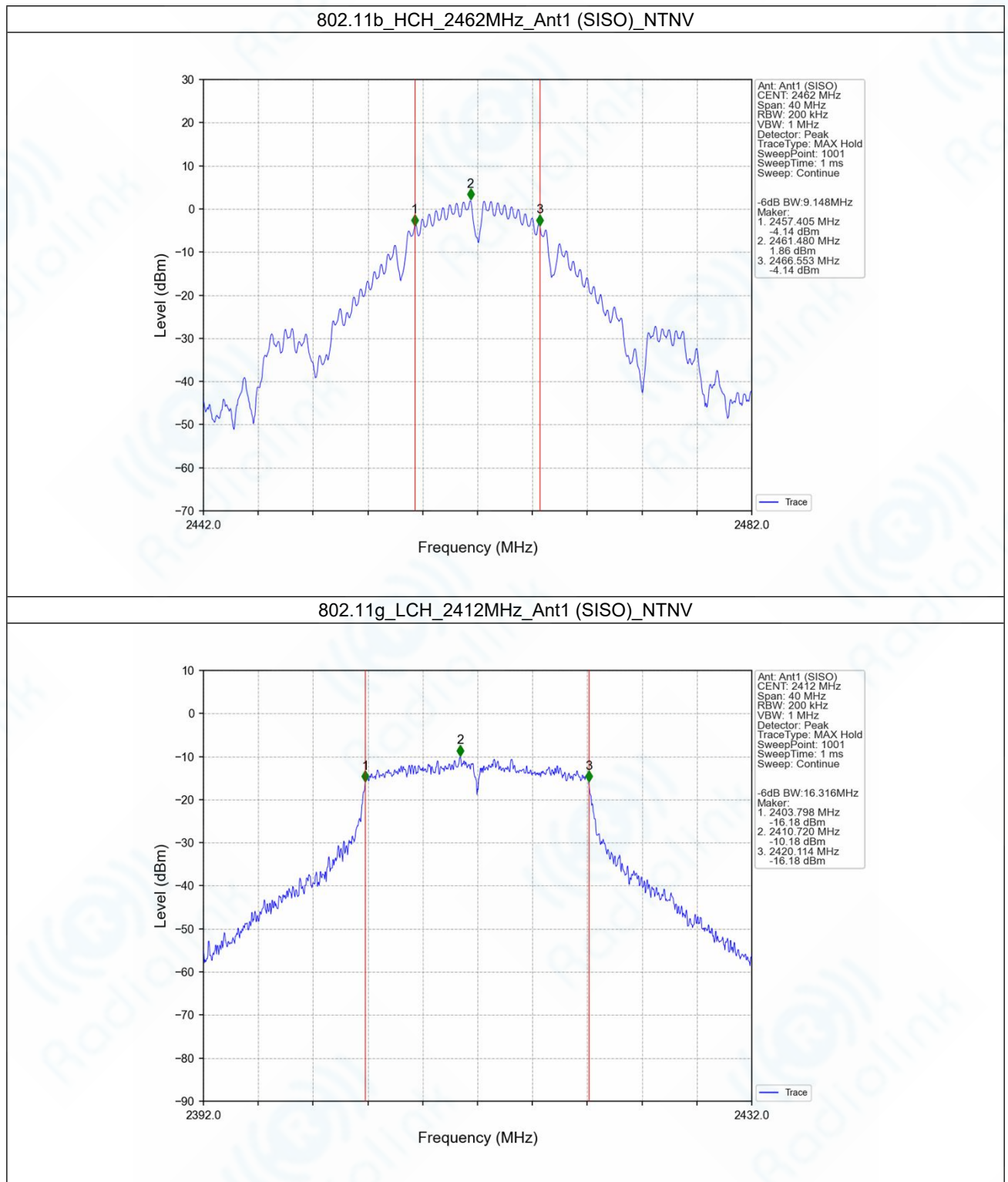
2.2.2 6dB BW

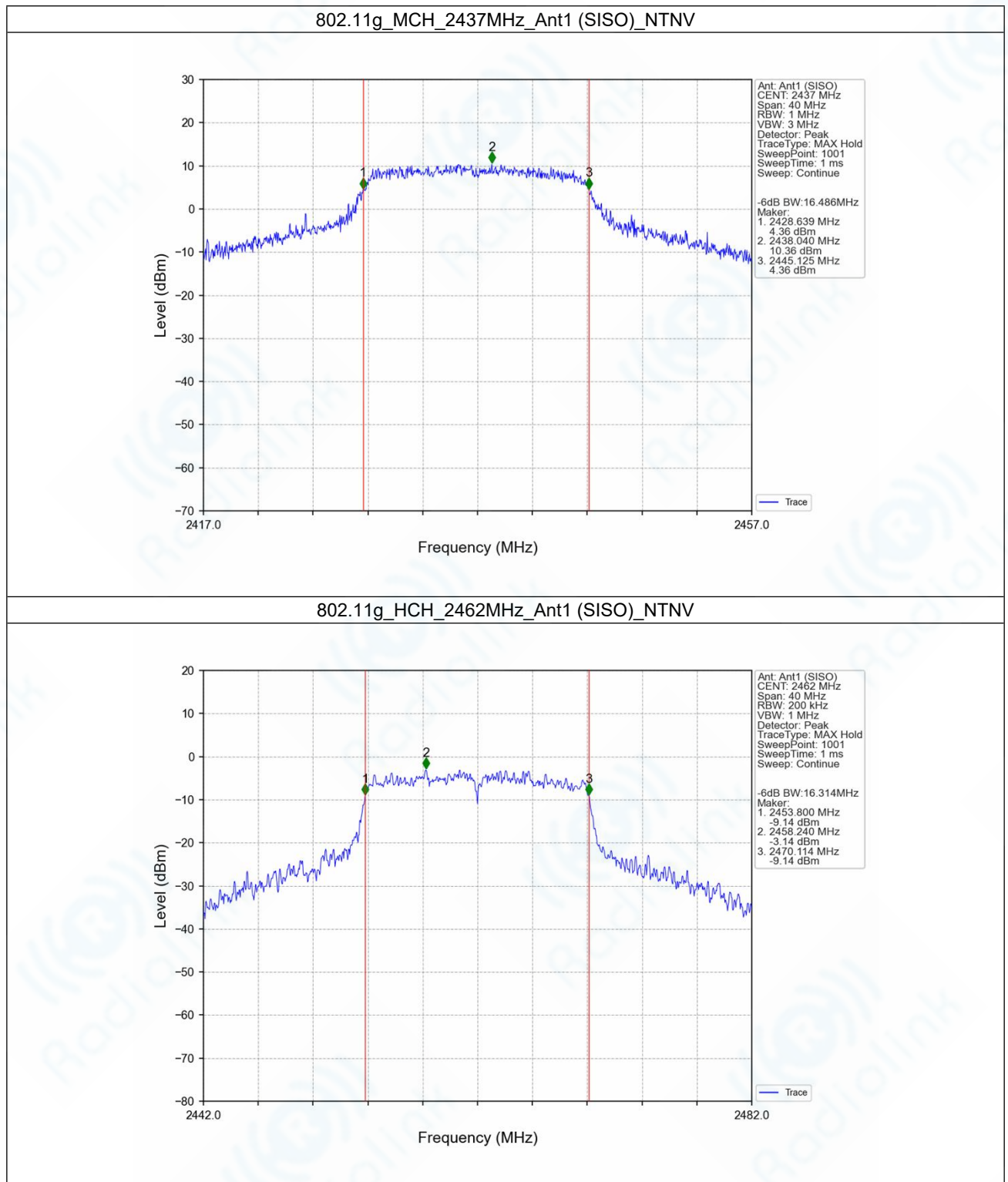


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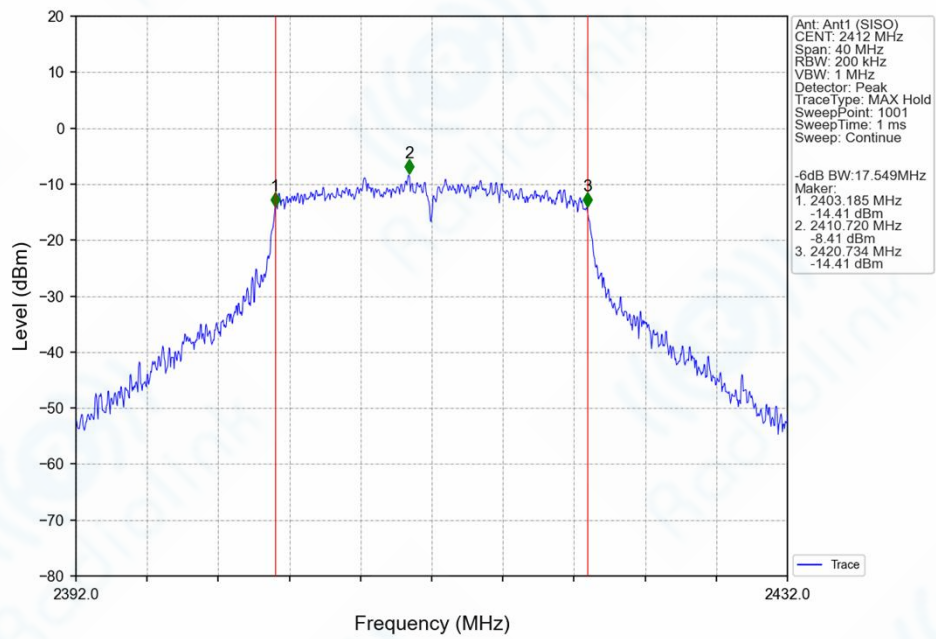


Radiolink Testing (Shenzhen) Co., Ltd.

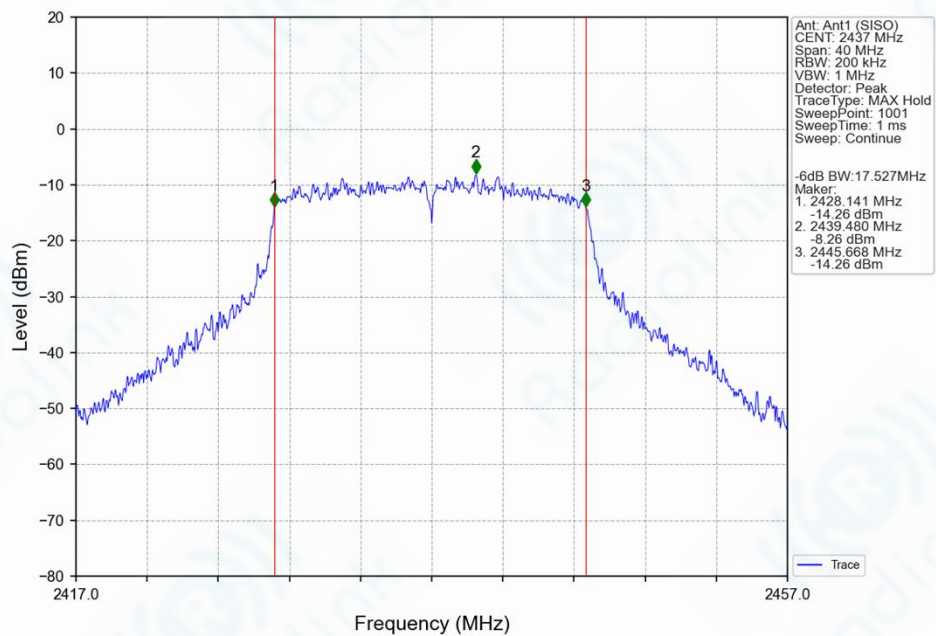
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

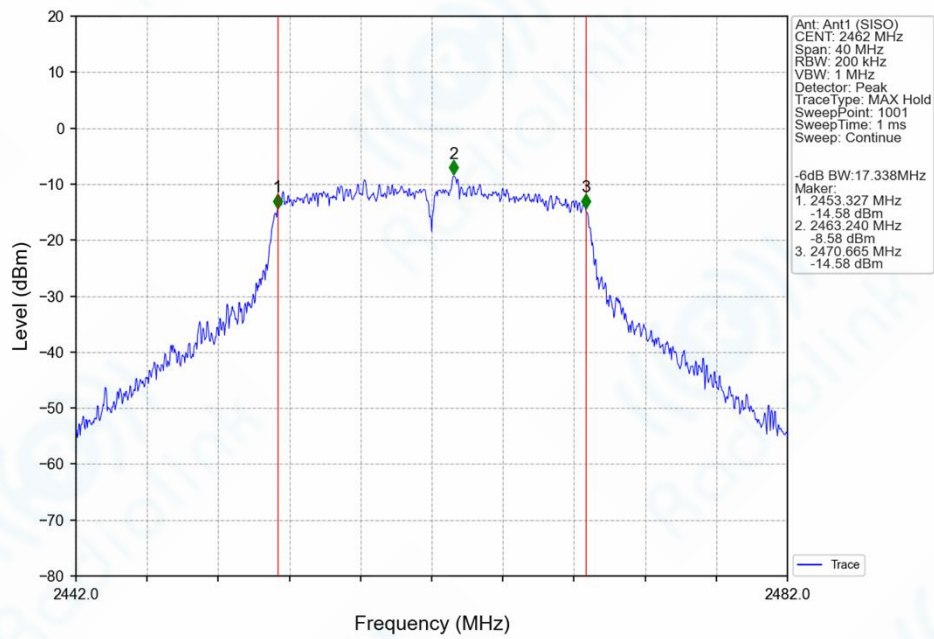


Radiolink Testing (Shenzhen) Co., Ltd.

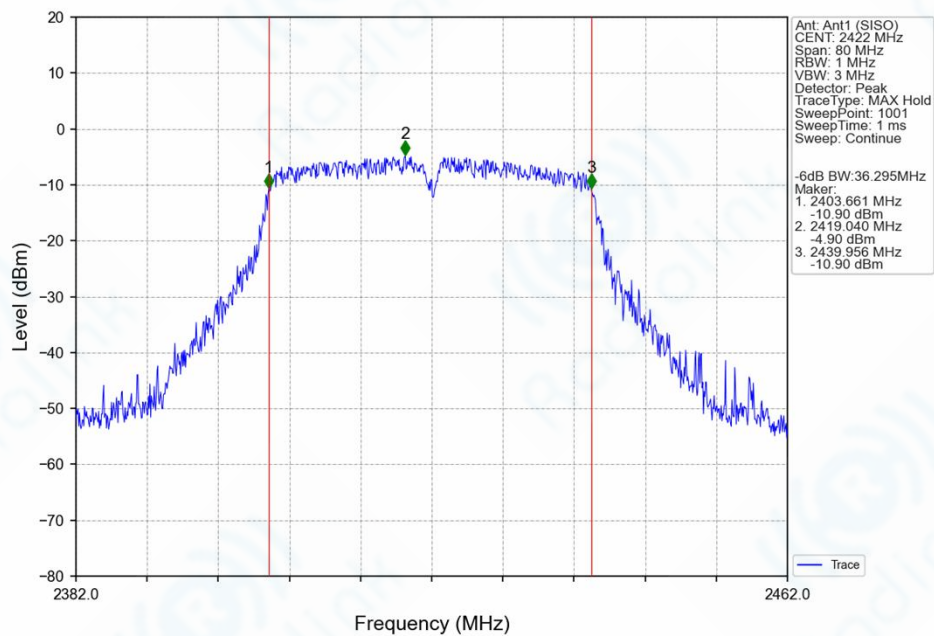
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

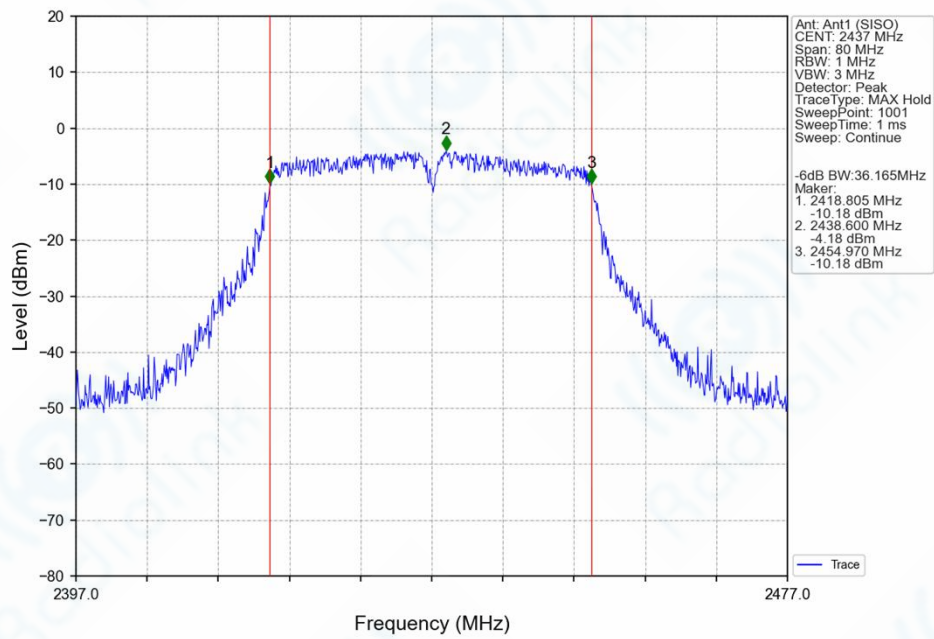


Radiolink Testing (Shenzhen) Co., Ltd.

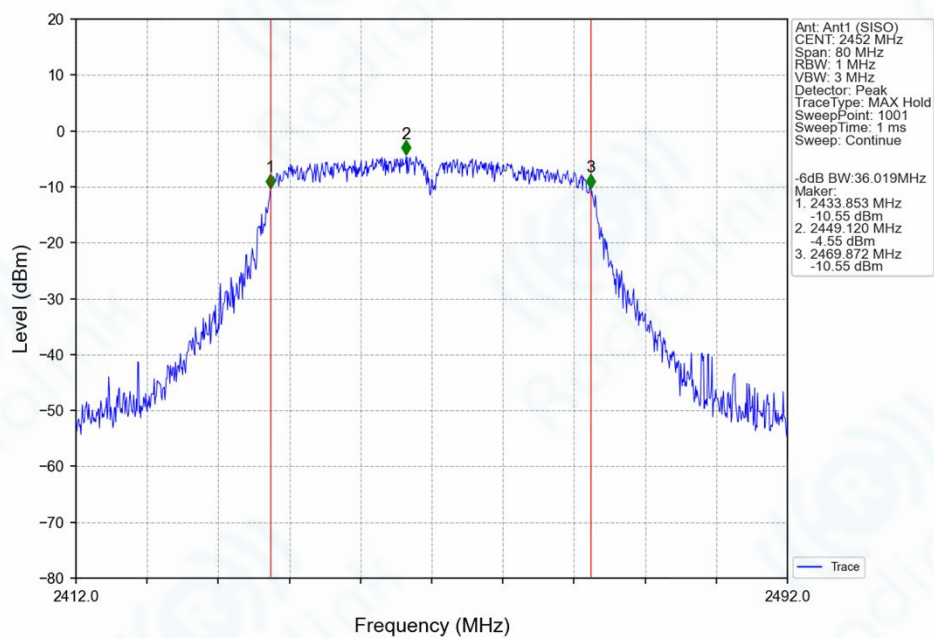
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	10.08	≤ 30	Pass
		2437	10.22	≤ 30	Pass
		2462	10.06	≤ 30	Pass
802.11g	SISO	2412	0.62	≤ 30	Pass
		2437	13.52	≤ 30	Pass
		2462	6.78	≤ 30	Pass
802.11n (HT20)	SISO	2412	1.69	≤ 30	Pass
		2437	1.76	≤ 30	Pass
		2462	1.23	≤ 30	Pass
802.11n (HT40)	SISO	2422	0.92	≤ 30	Pass
		2437	2.00	≤ 30	Pass
		2452	1.49	≤ 30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;



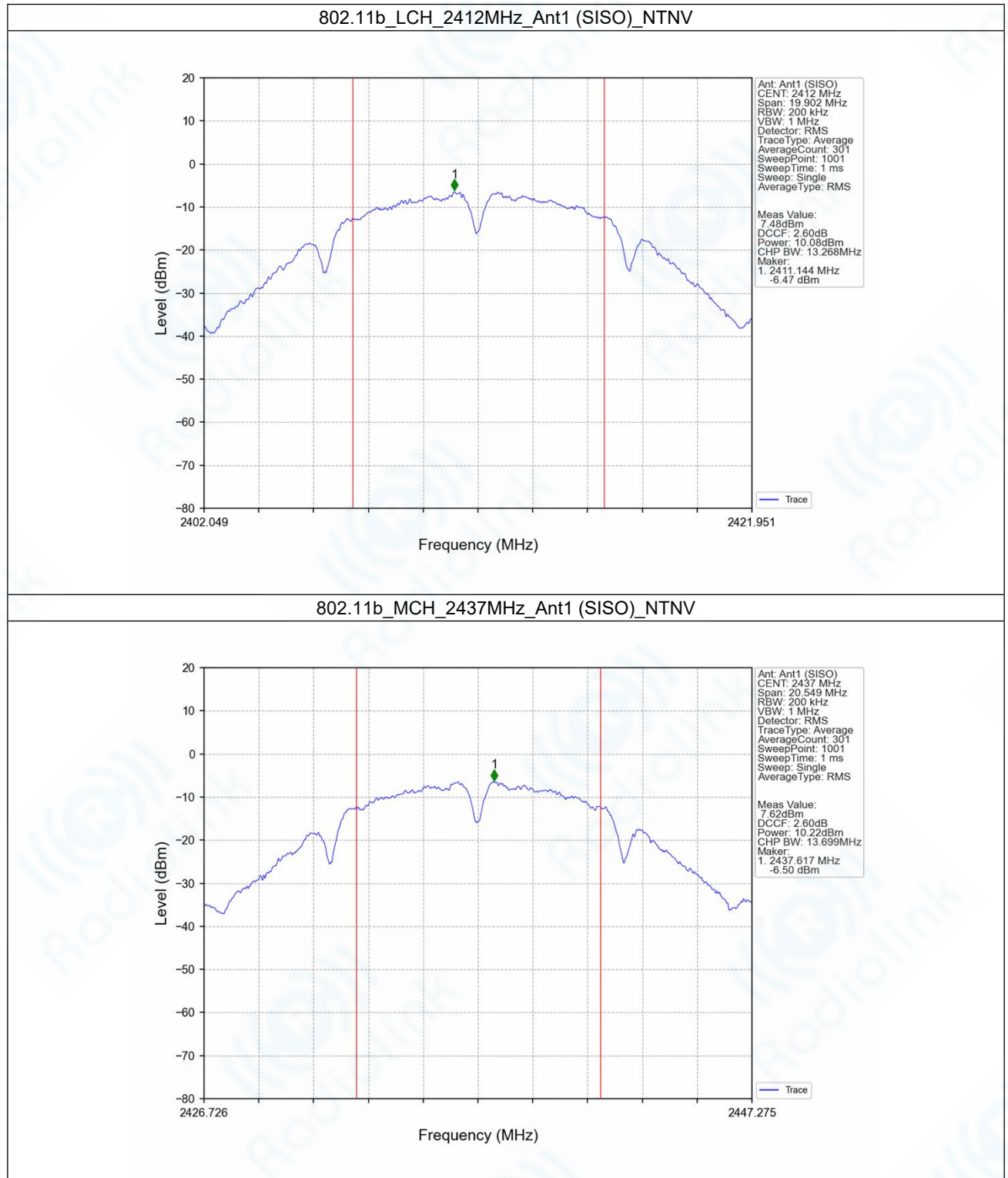
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3.2 Test Graph

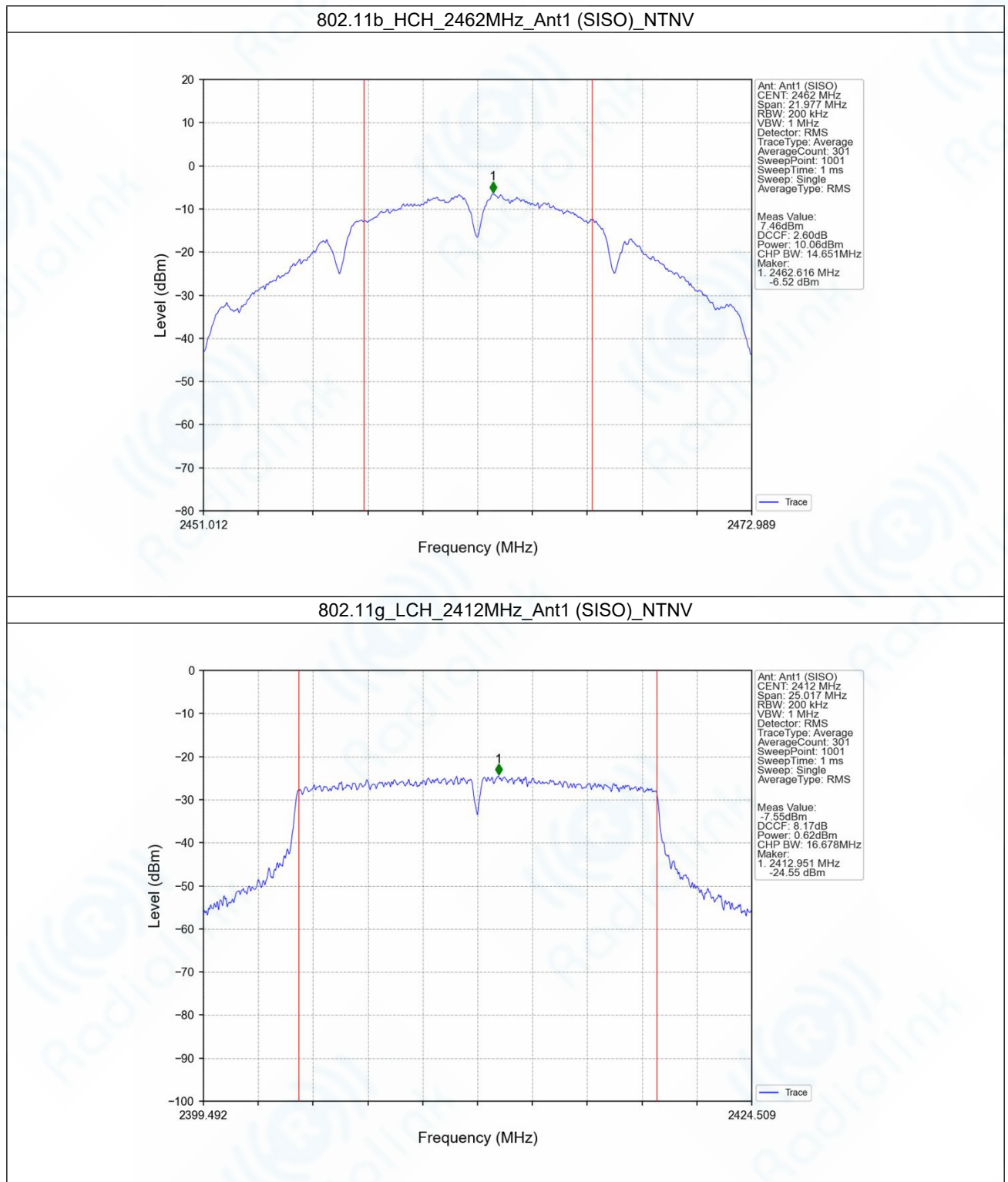
3.2.1 Power

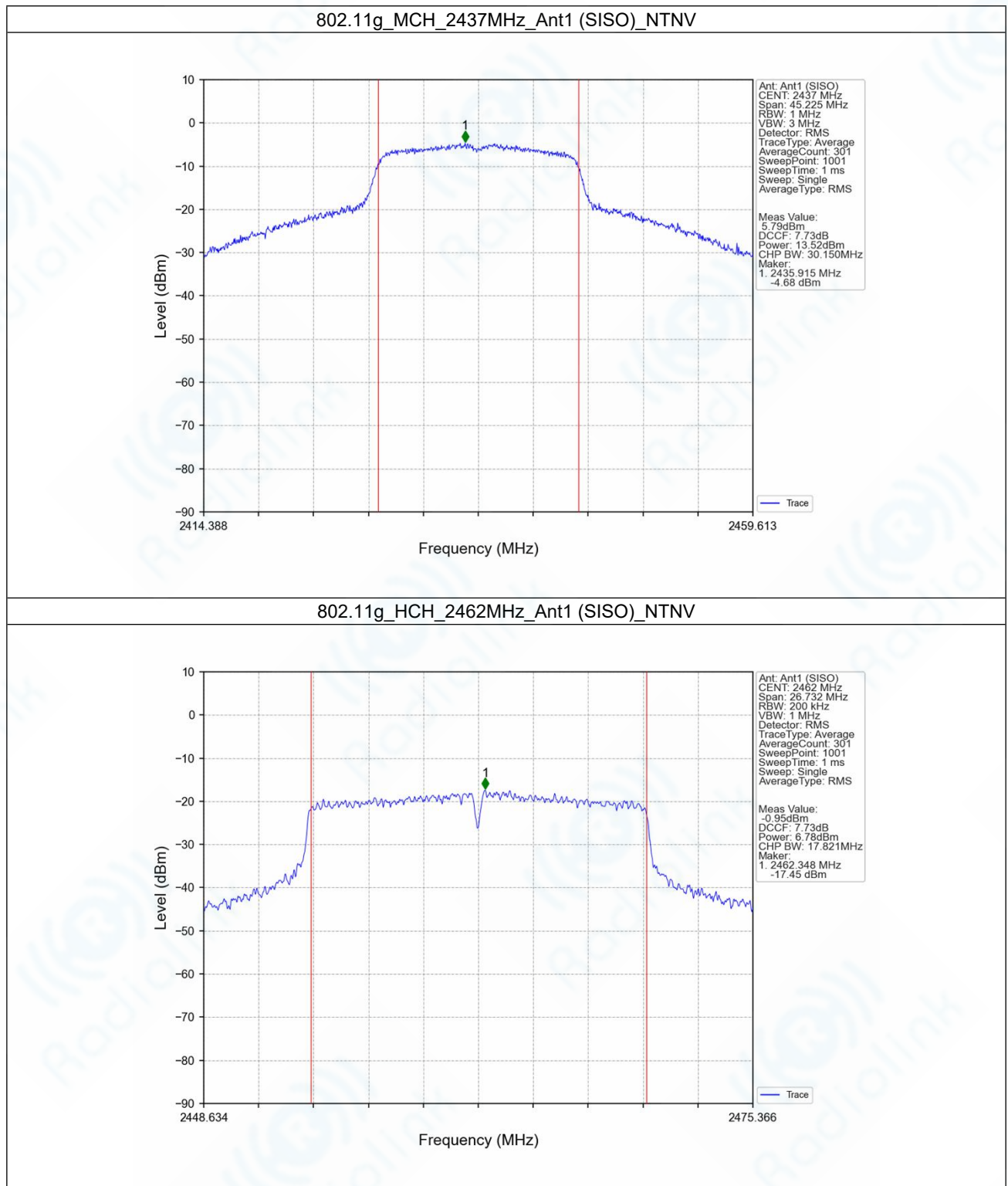


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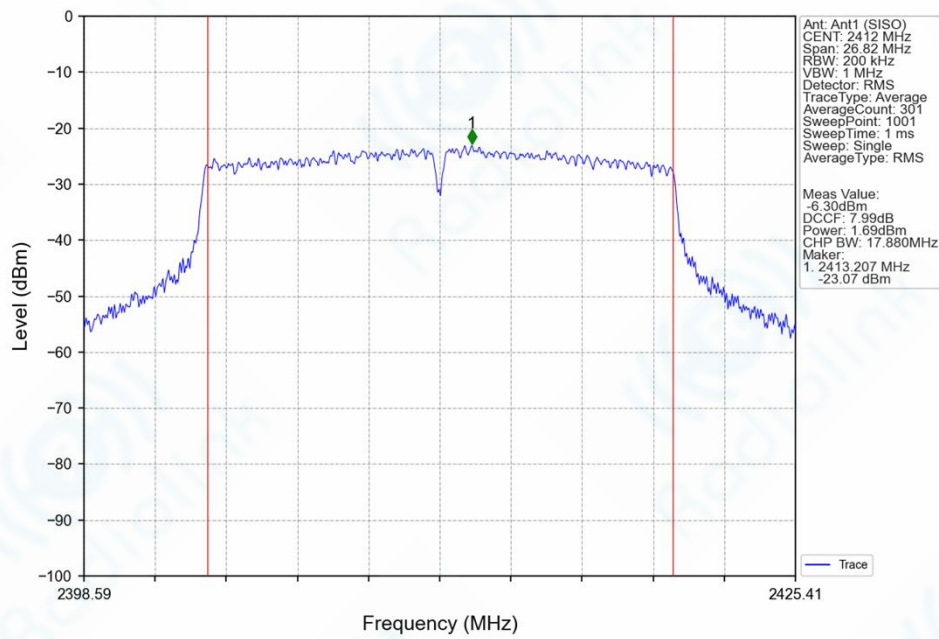


Radiolink Testing (Shenzhen) Co., Ltd.

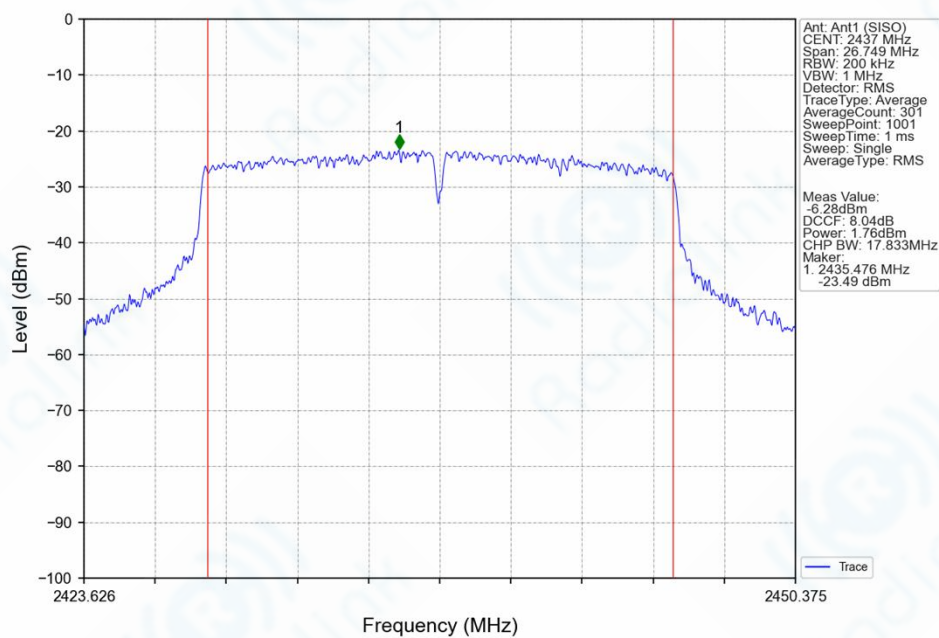
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

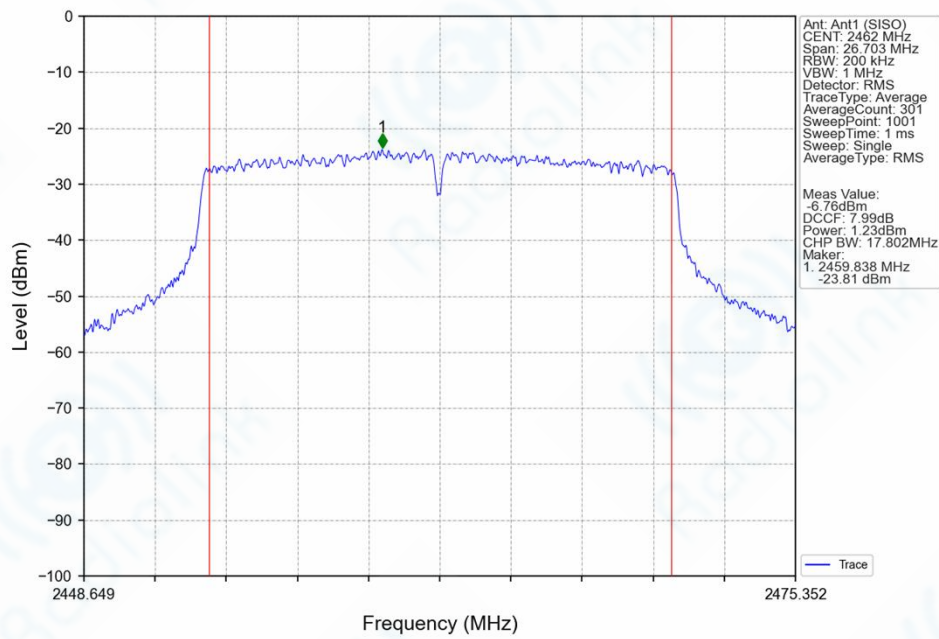


Radiolink Testing (Shenzhen) Co., Ltd.

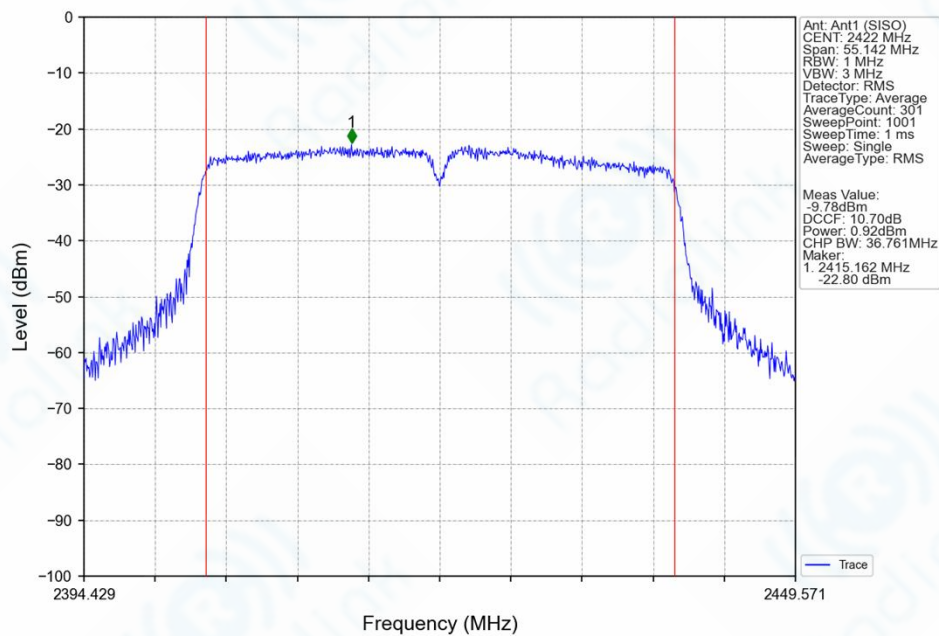
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

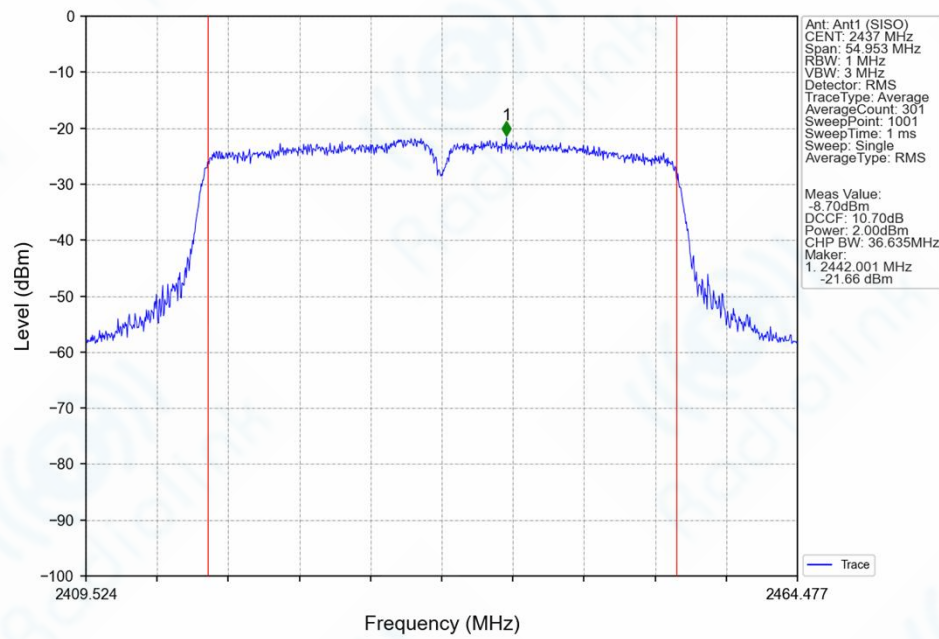


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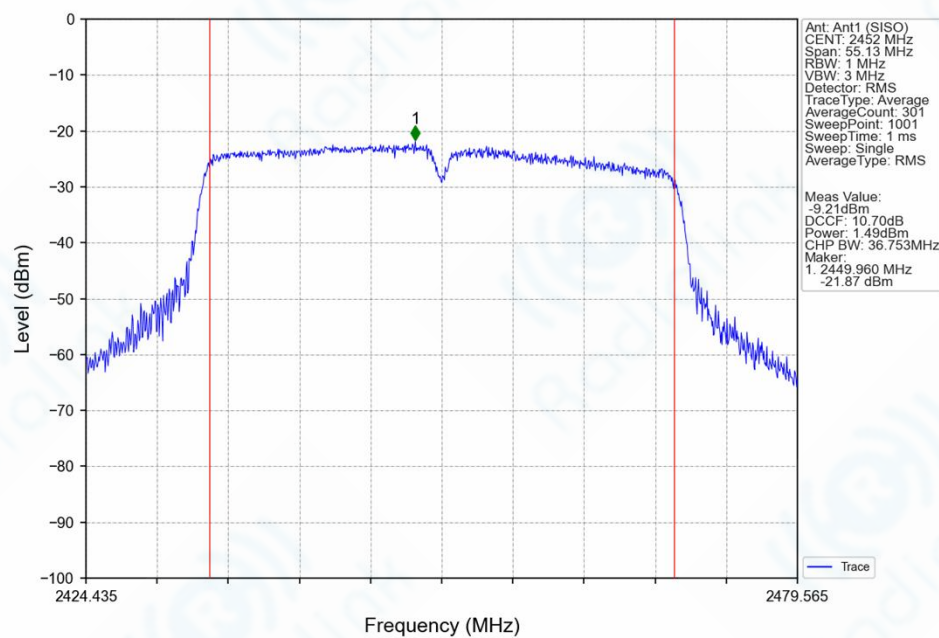
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
802.11b	SISO	2412	1.58dBm/100kHz	<=8	Pass
		2437	1.63dBm/100kHz	<=8	Pass
		2462	1.62dBm/100kHz	<=8	Pass
802.11g	SISO	2412	-10.75dBm/100kHz	<=8	Pass
		2437	1.90dBm/100kHz	<=8	Pass
		2462	-4.52dBm/100kHz	<=8	Pass
802.11n (HT20)	SISO	2412	-10.28dBm/100kHz	<=8	Pass
		2437	-8.44dBm/100kHz	<=8	Pass
		2462	-11.71dBm/100kHz	<=8	Pass
802.11n (HT40)	SISO	2422	-12.13dBm/100kHz	<=8	Pass
		2437	-13.30dBm/100kHz	<=8	Pass
		2452	-13.27dBm/100kHz	<=8	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;



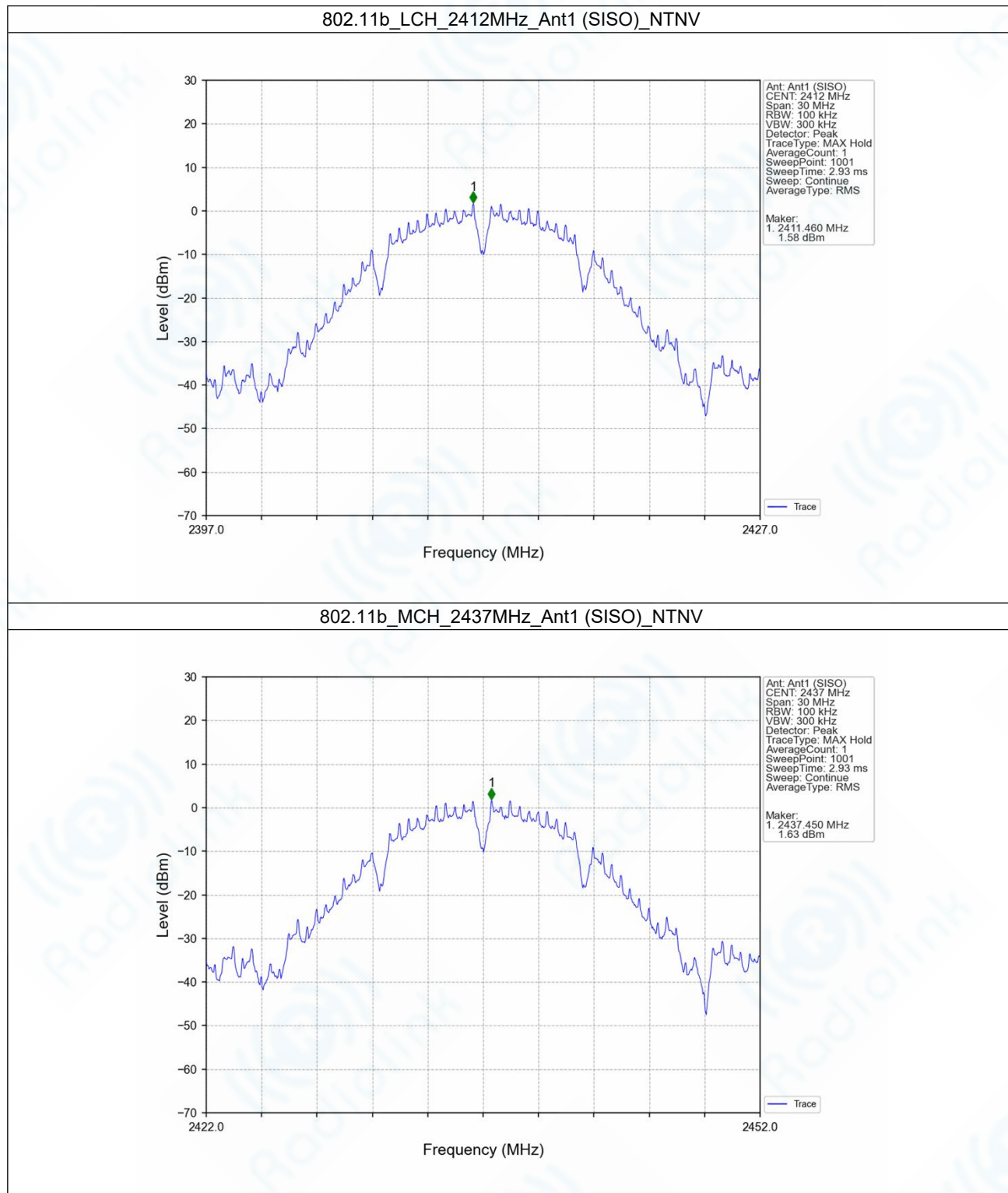
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4.2 Test Graph

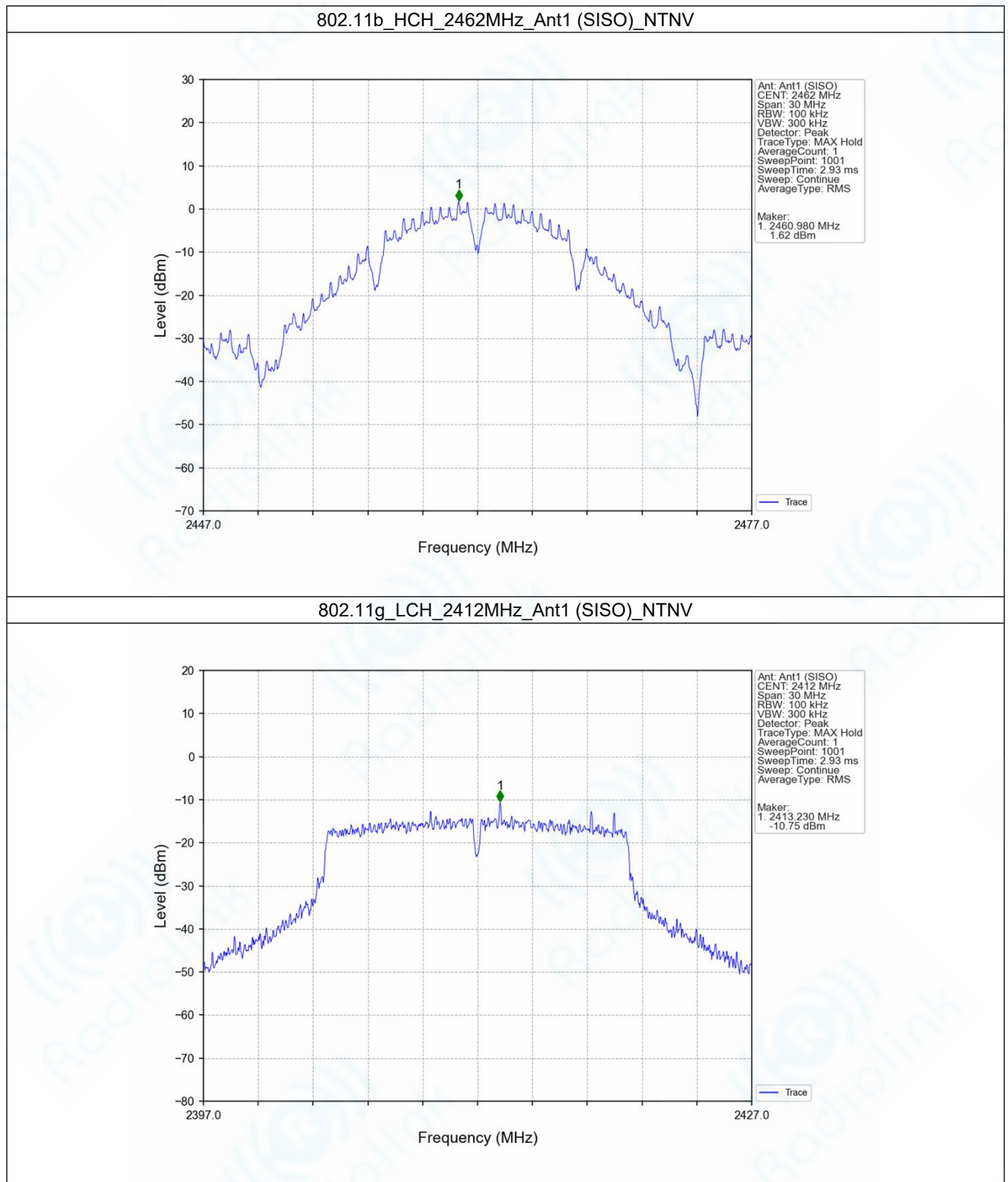
4.2.1 PSD

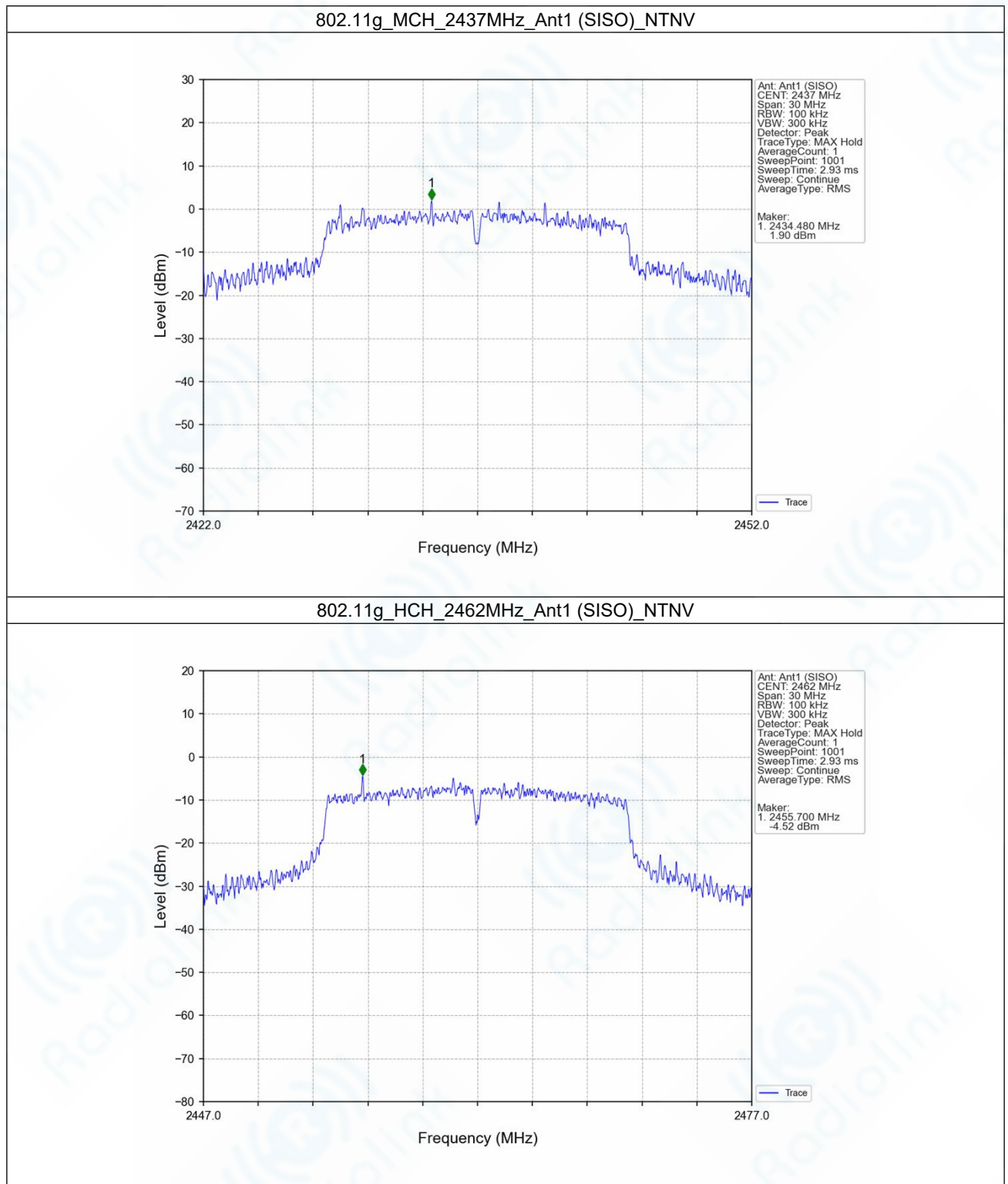


Radiolink Testing (Shenzhen) Co., Ltd.

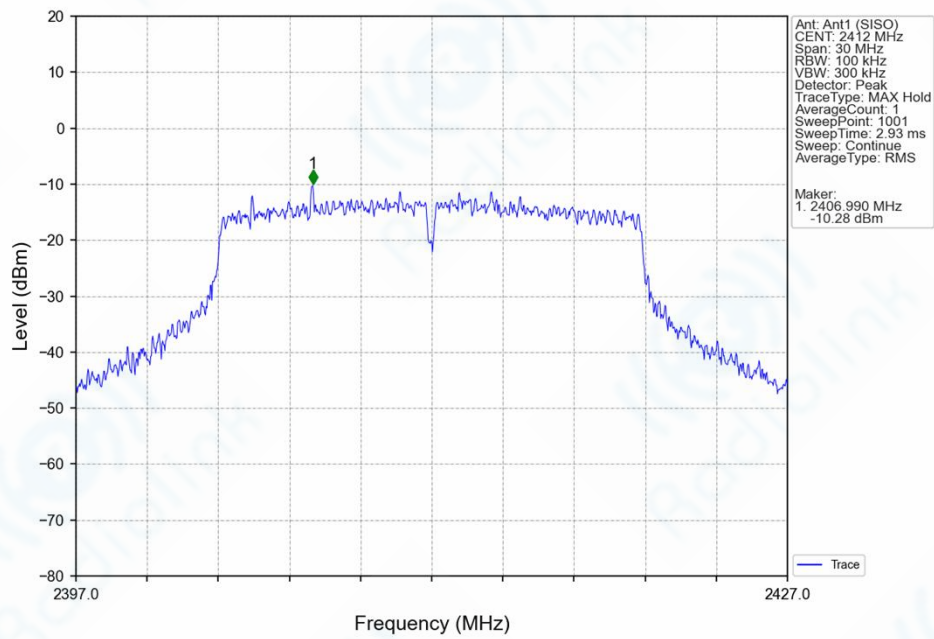
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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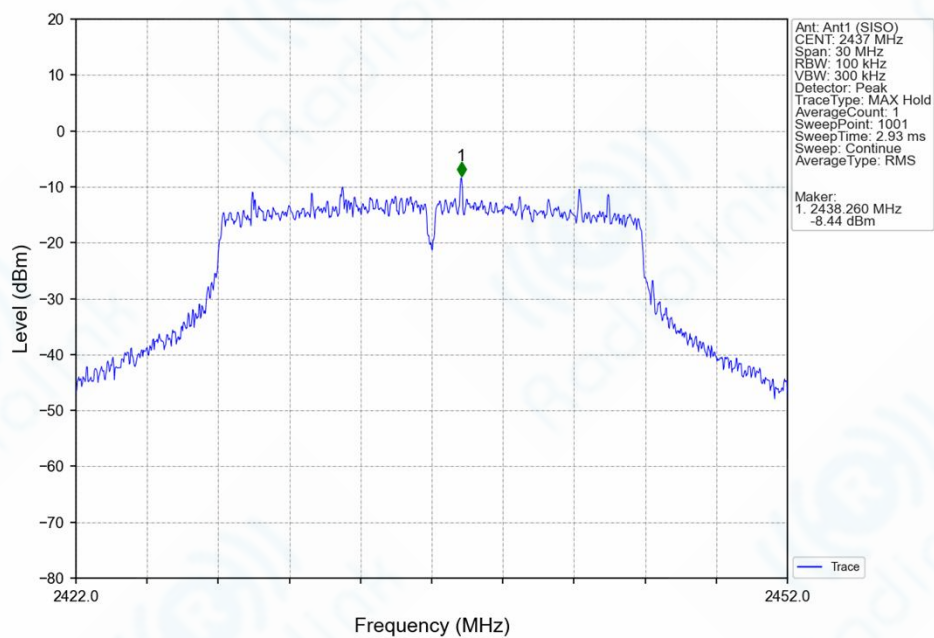




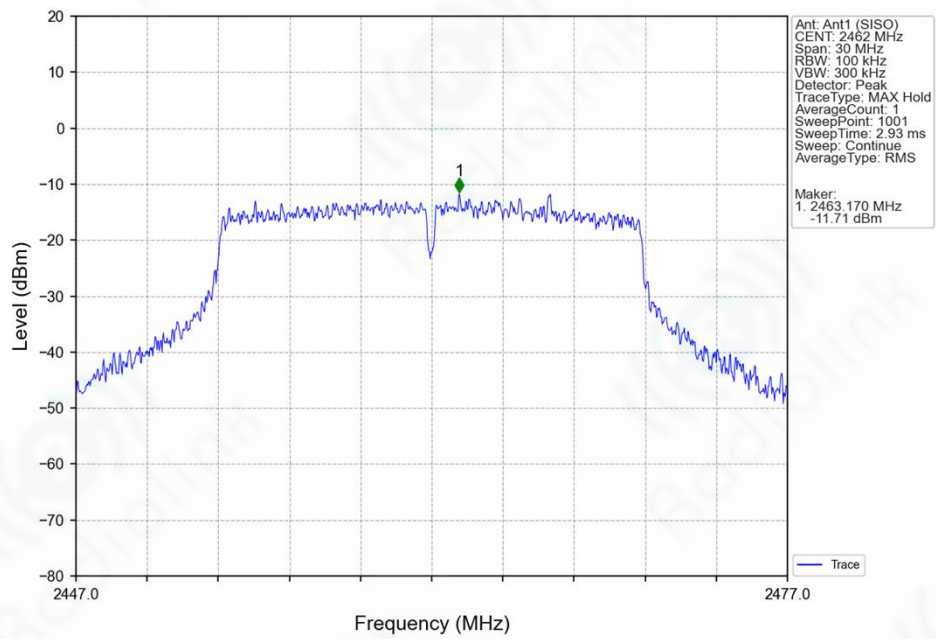
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



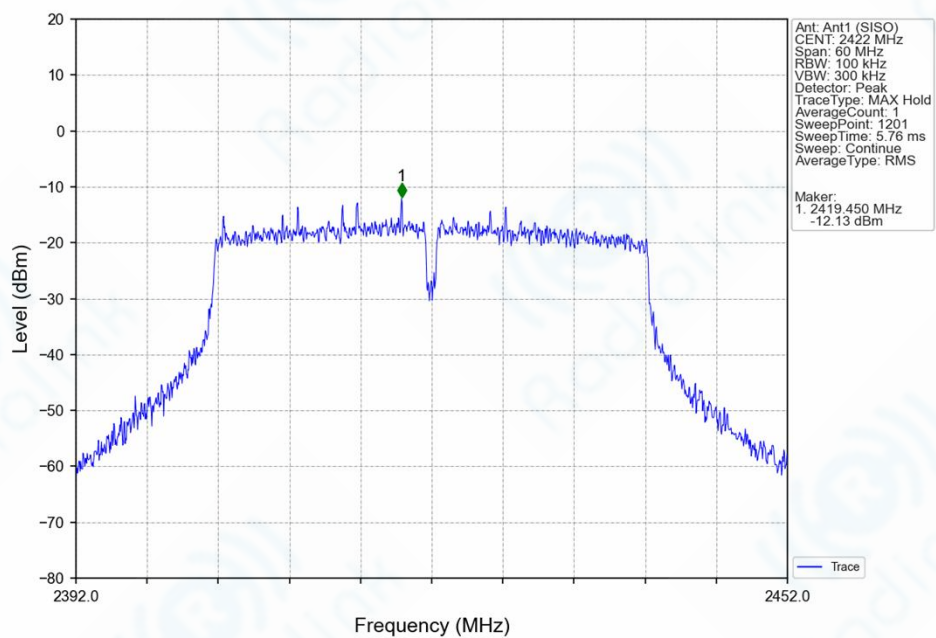
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

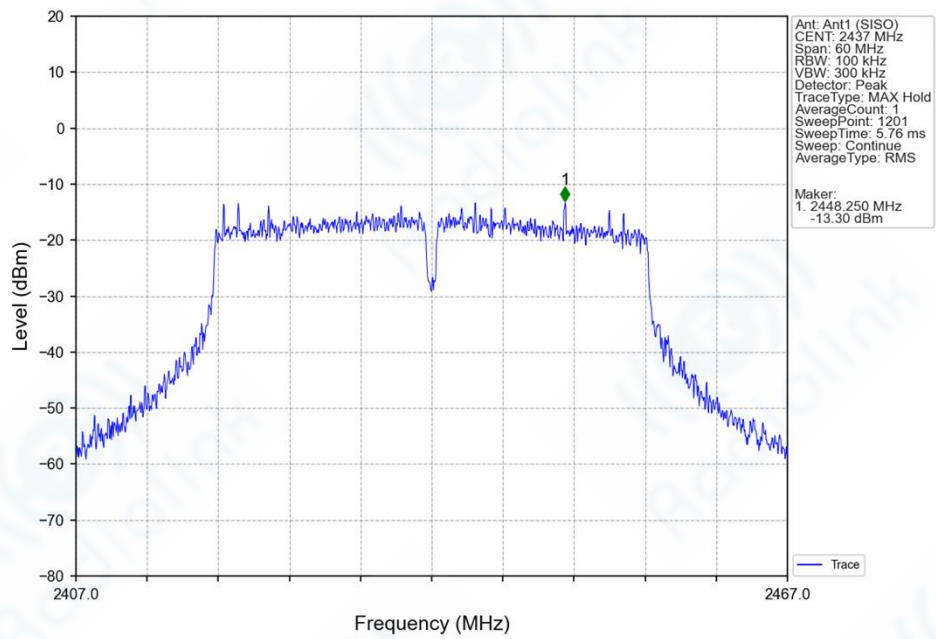


Radiolink Testing (Shenzhen) Co., Ltd.

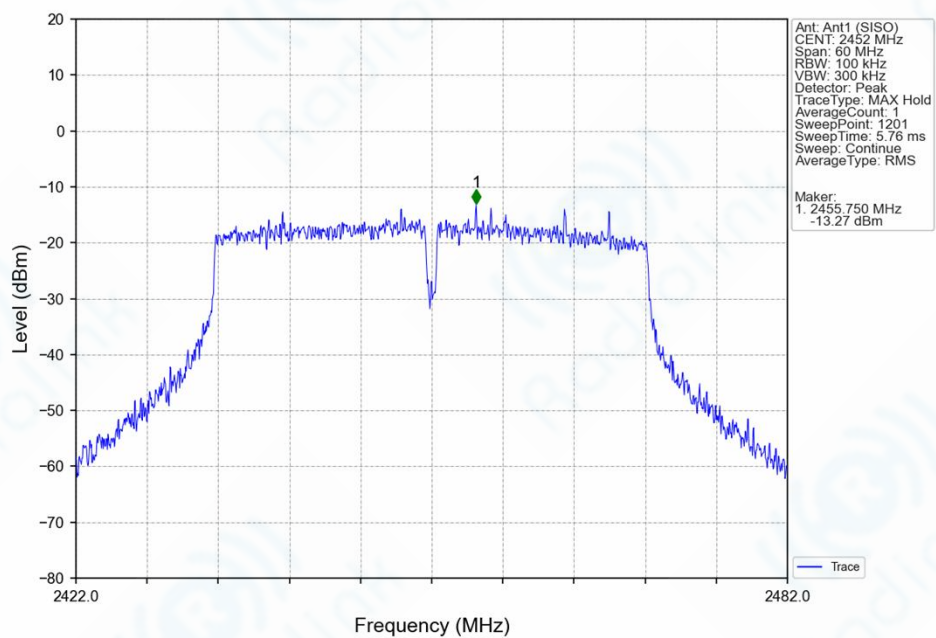
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.51
		2437	1	1.90
		2462	1	1.14
802.11g	SISO	2412	1	-10.83
		2437	1	2.11
		2462	1	-4.36
802.11n (HT20)	SISO	2412	1	-9.38
		2437	1	-10.39
		2462	1	-11.80
802.11n (HT40)	SISO	2422	1	-13.75
		2437	1	-11.92
		2452	1	-13.50

5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.90	-28.10	Pass
		2437	1	1.90	-28.10	Pass
		2462	1	1.90	-28.10	Pass
802.11g	SISO	2412	1	2.11	-27.89	Pass
		2437	1	2.11	-27.89	Pass
		2462	1	2.11	-27.89	Pass
802.11n (HT20)	SISO	2412	1	-9.38	-39.38	Pass
		2437	1	-9.38	-39.38	Pass
		2462	1	-9.38	-39.38	Pass
802.11n (HT40)	SISO	2422	1	-11.92	-41.92	Pass
		2437	1	-11.92	-41.92	Pass
		2452	1	-11.92	-41.92	Pass



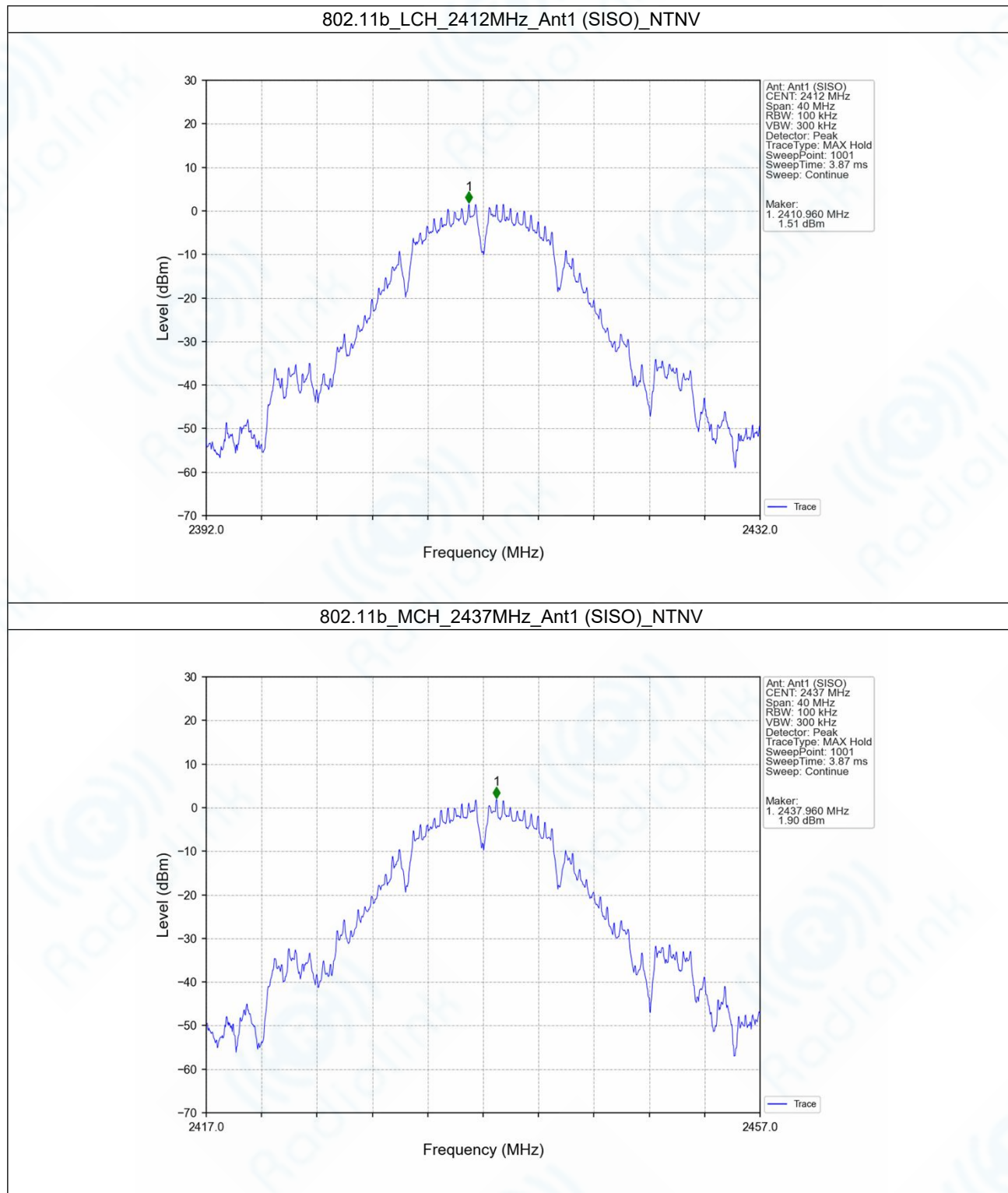
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5.2 Test Graph

5.2.1 Ref

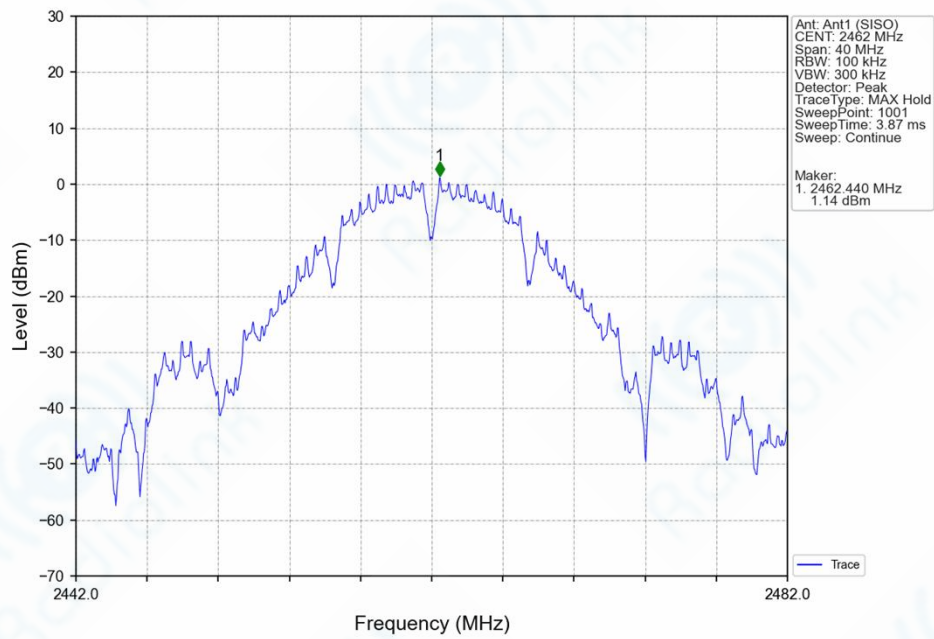


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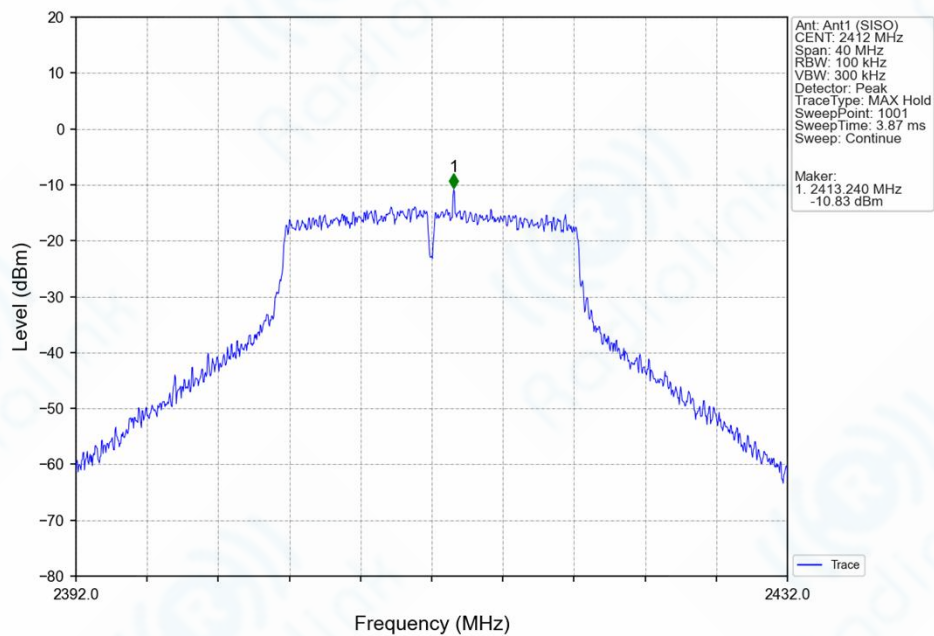
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

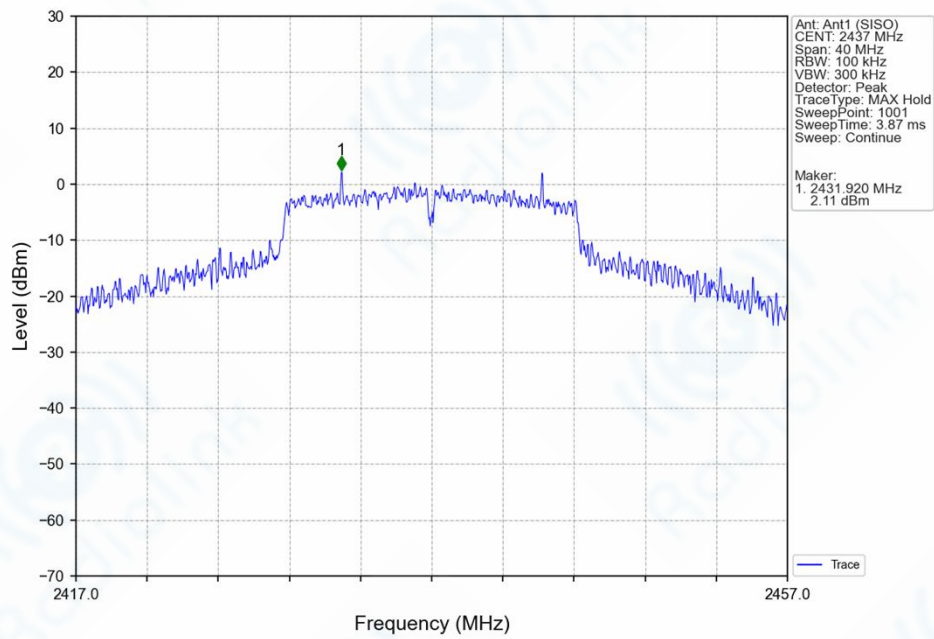


Radiolink Testing (Shenzhen) Co., Ltd.

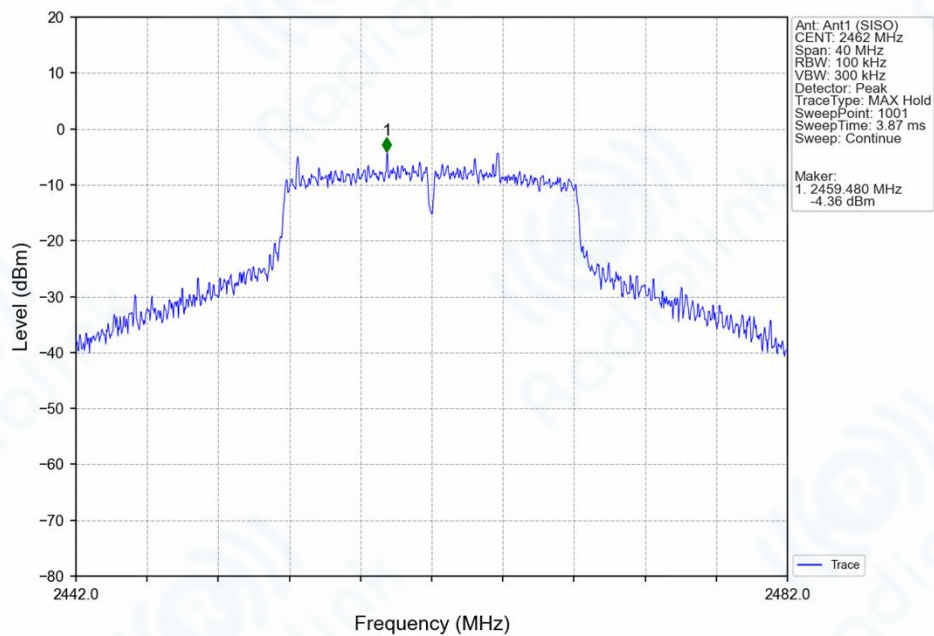
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

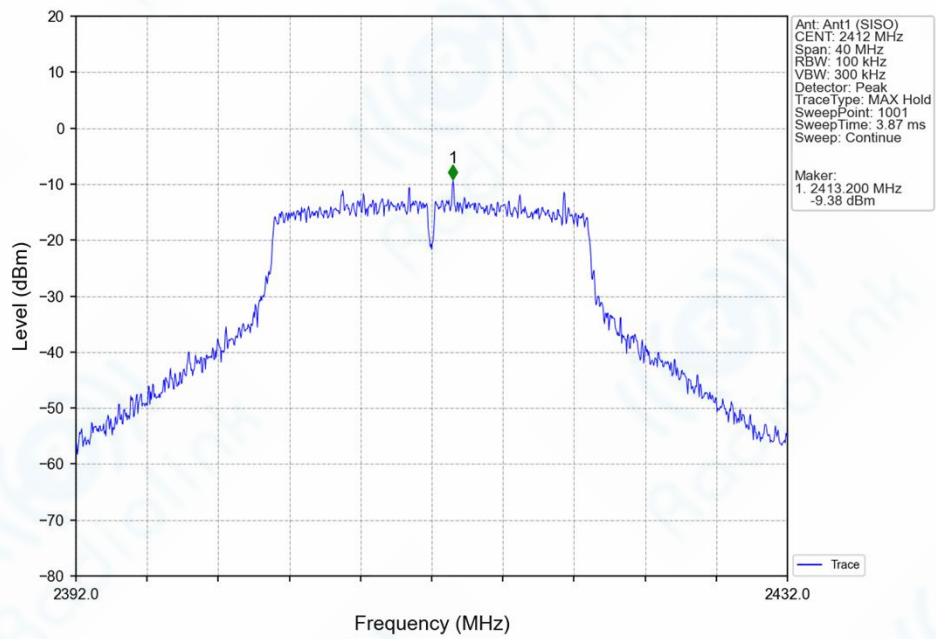


Radiolink Testing (Shenzhen) Co., Ltd.

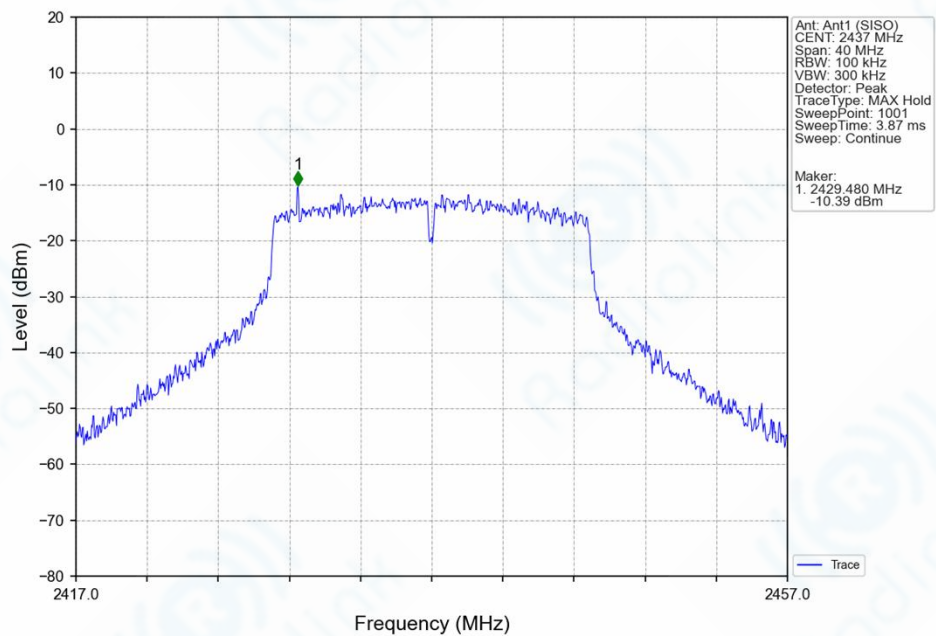
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



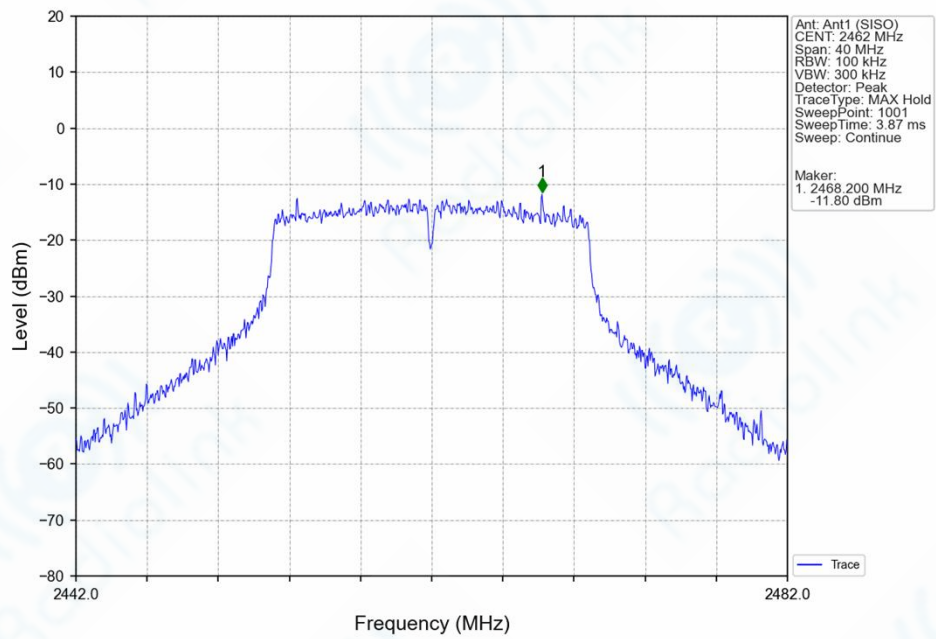
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Radiolink Testing (Shenzhen) Co., Ltd.

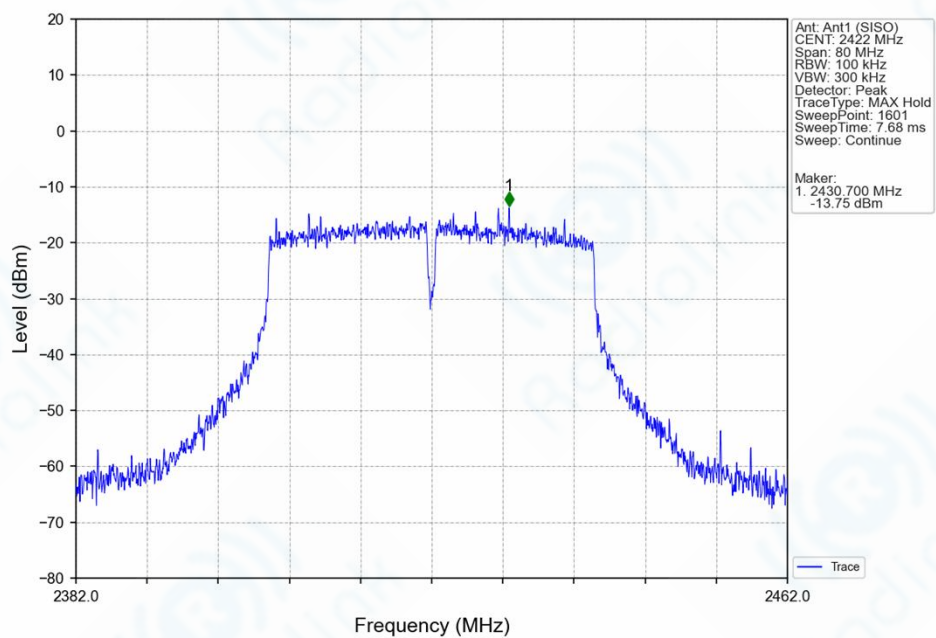
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District,
Shenzhen, Guangdong Province, China

Tel: +86 0755 23080694

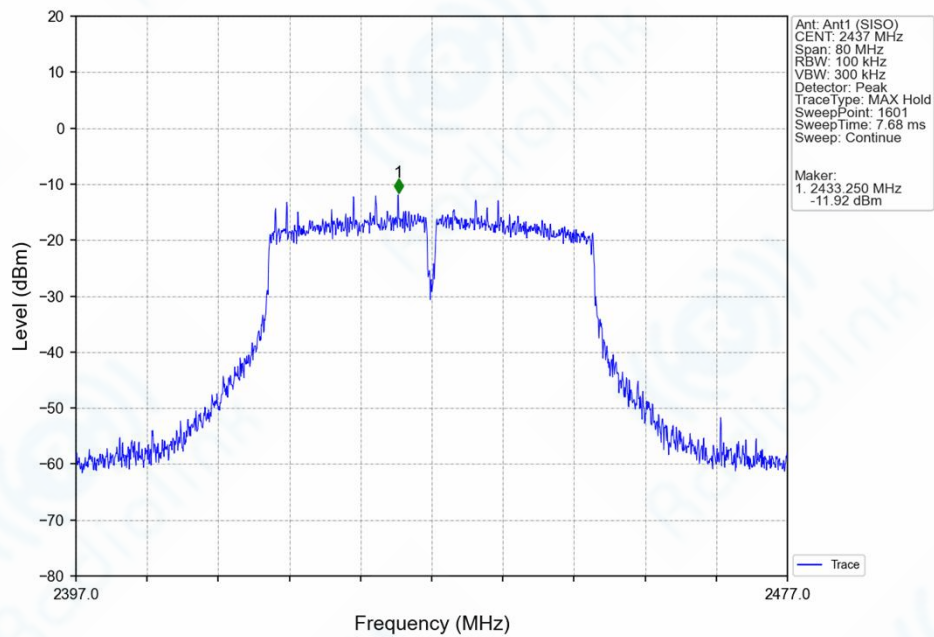
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



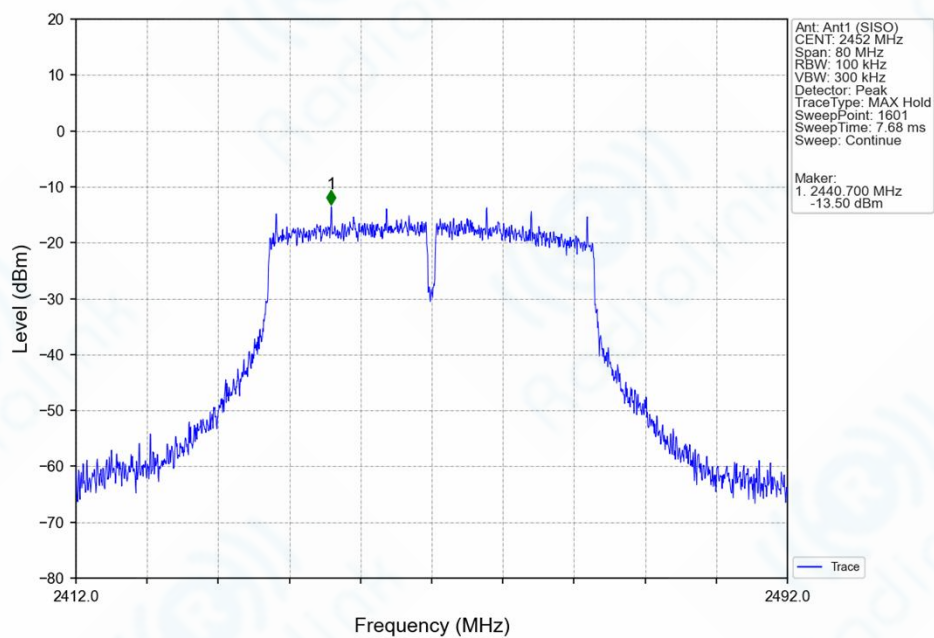
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

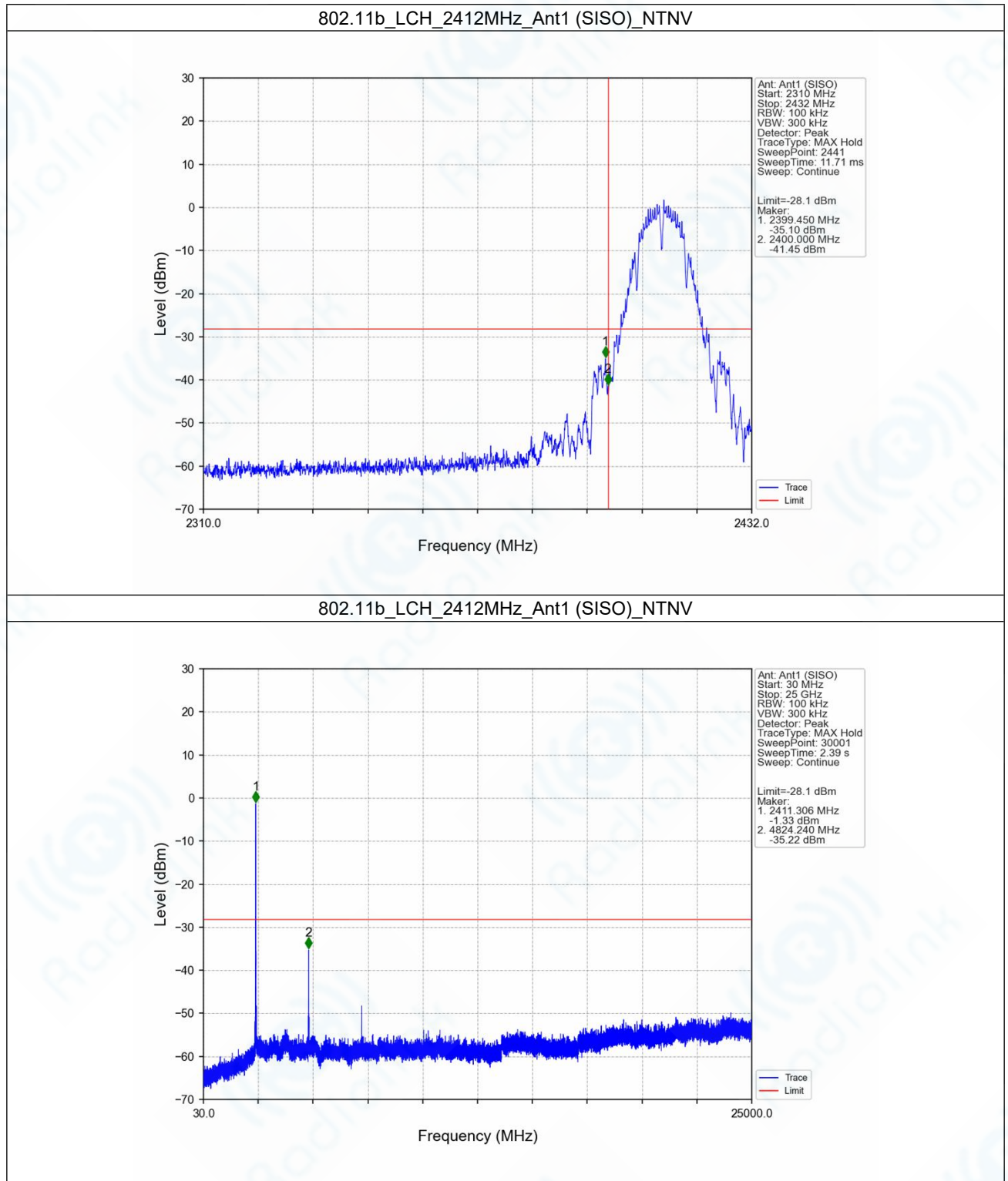


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5.2.2 CSE

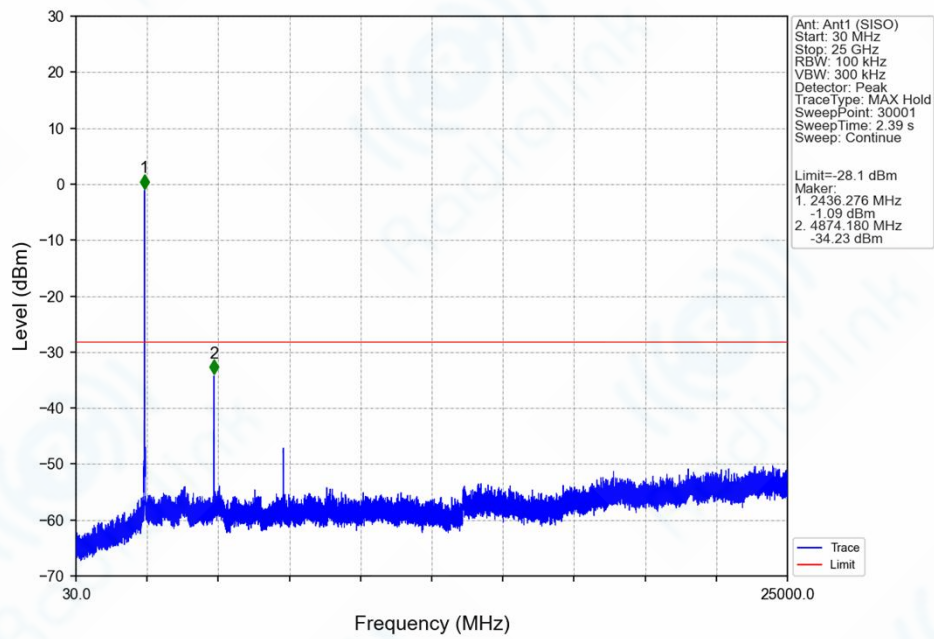


Radiolink Testing (Shenzhen) Co., Ltd.

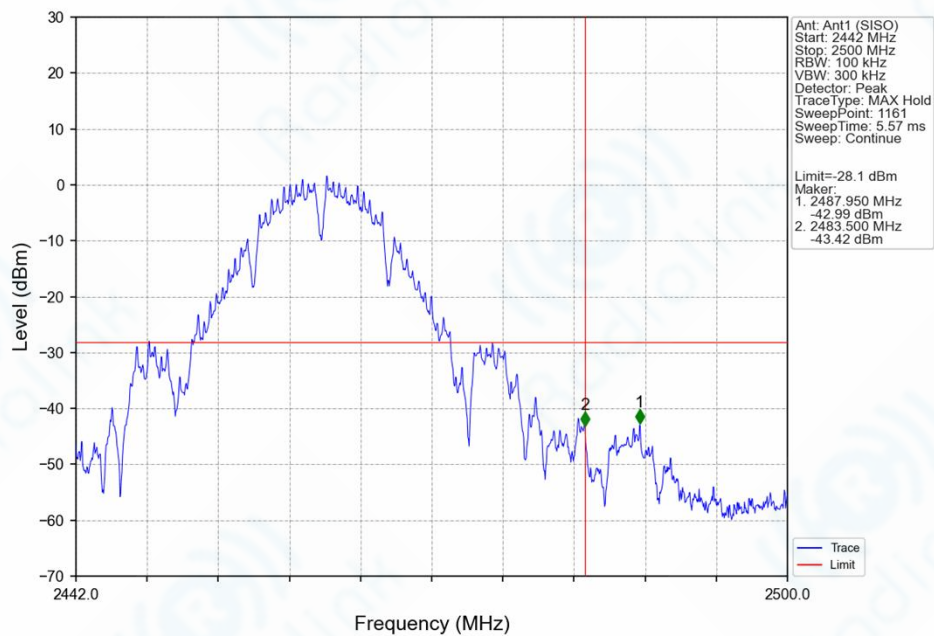
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

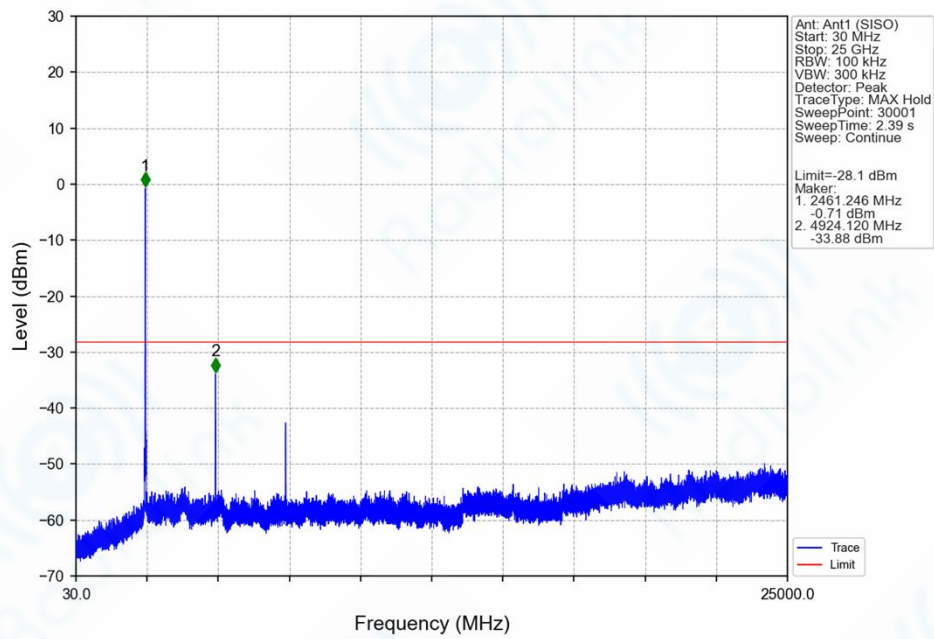


Radiolink Testing (Shenzhen) Co., Ltd.

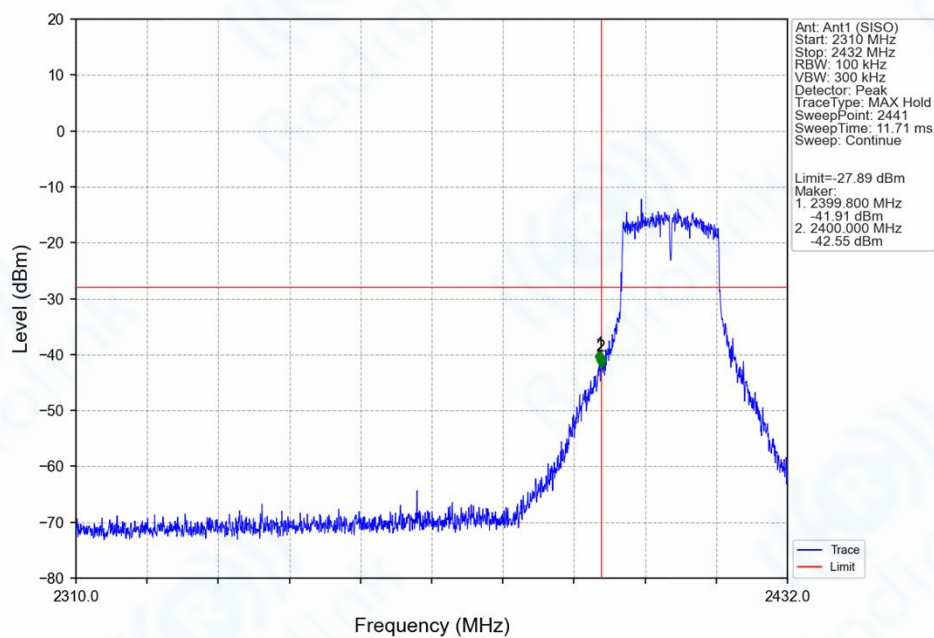
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

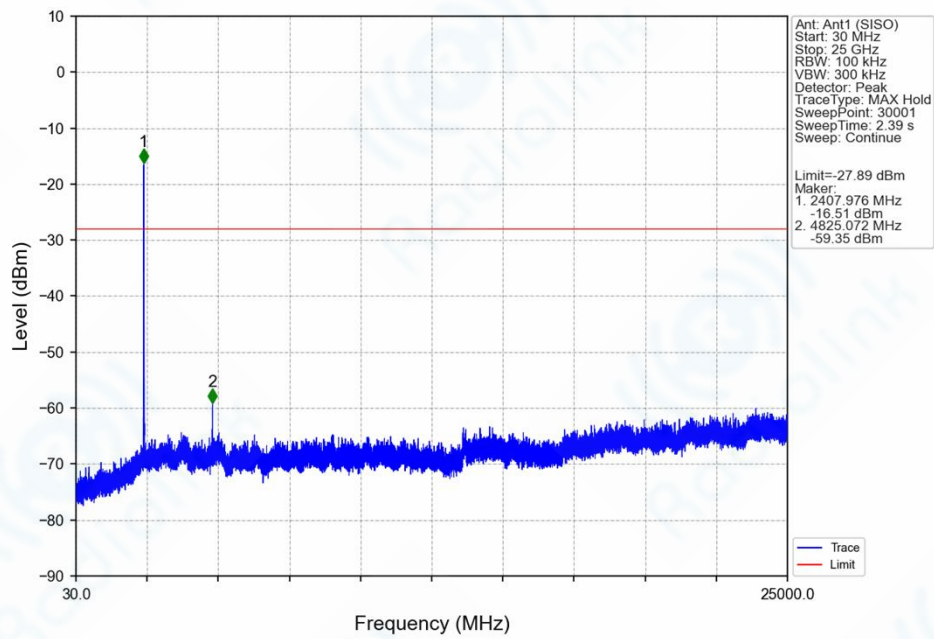


Radiolink Testing (Shenzhen) Co., Ltd.

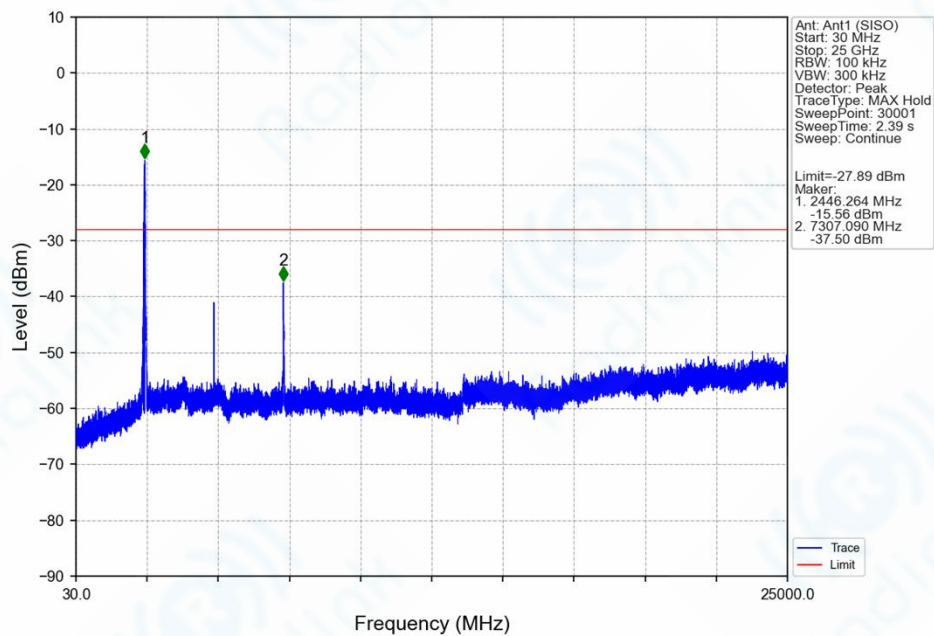
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

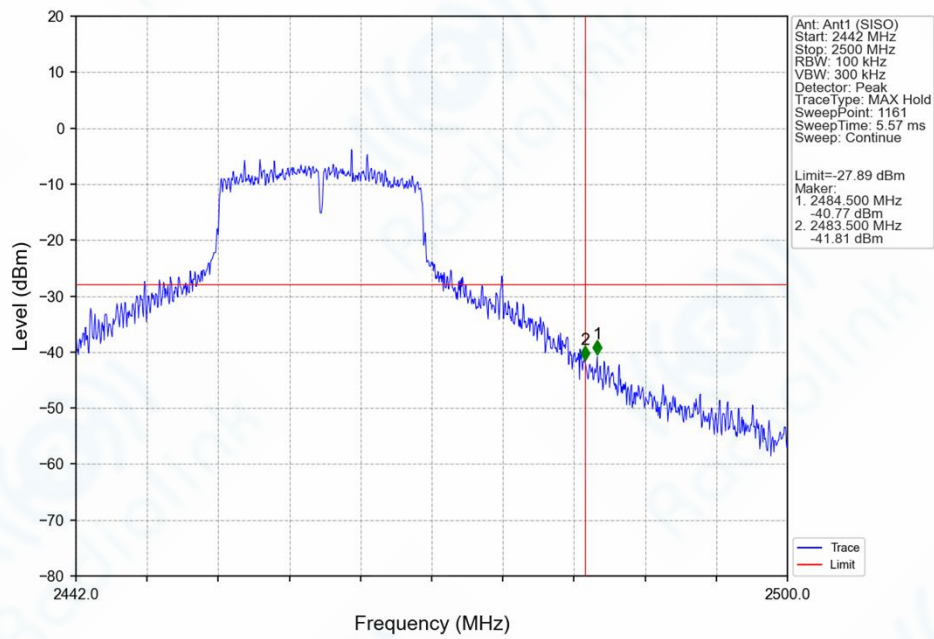


Radiolink Testing (Shenzhen) Co., Ltd.

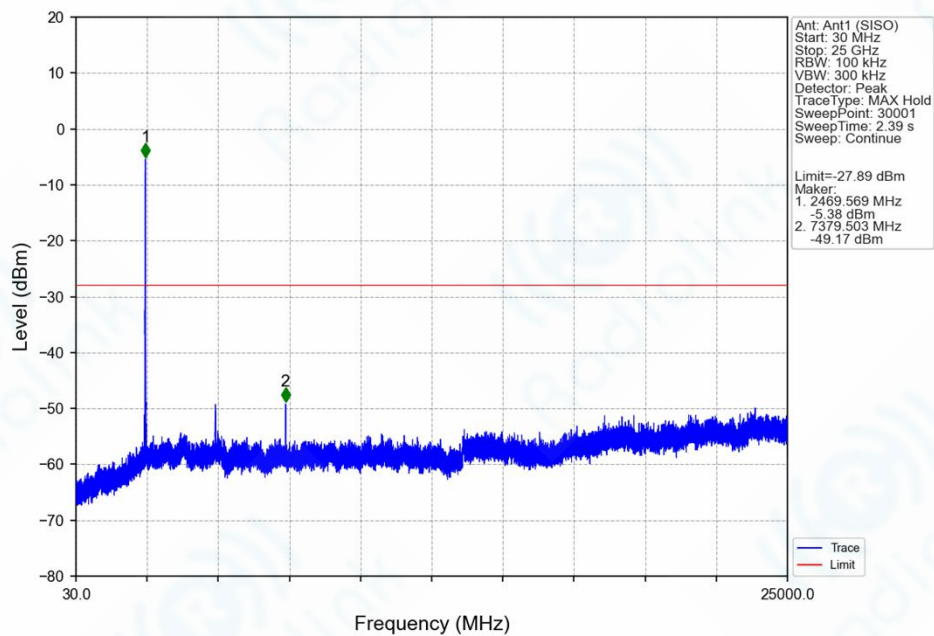
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

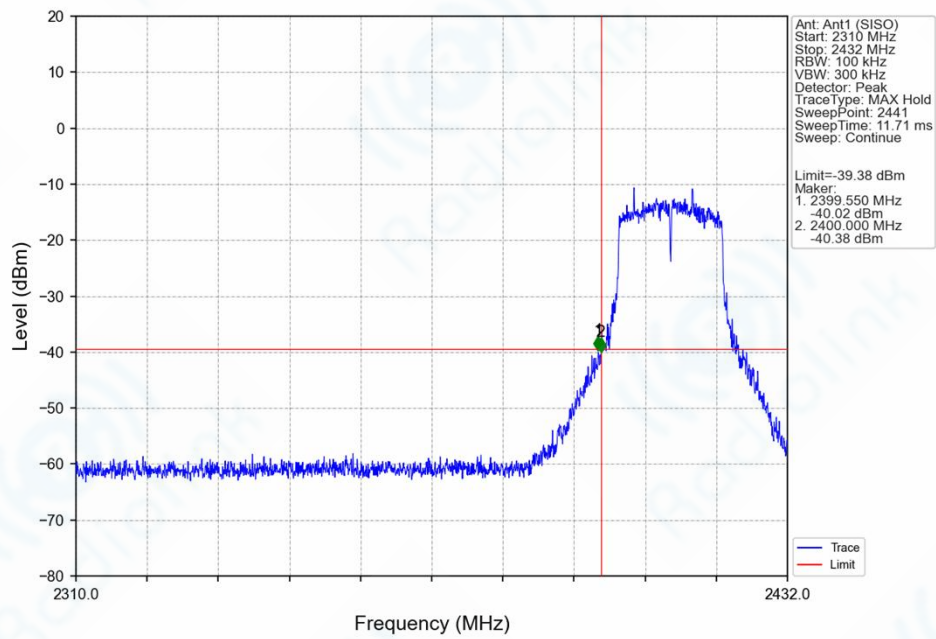


Radiolink Testing (Shenzhen) Co., Ltd.

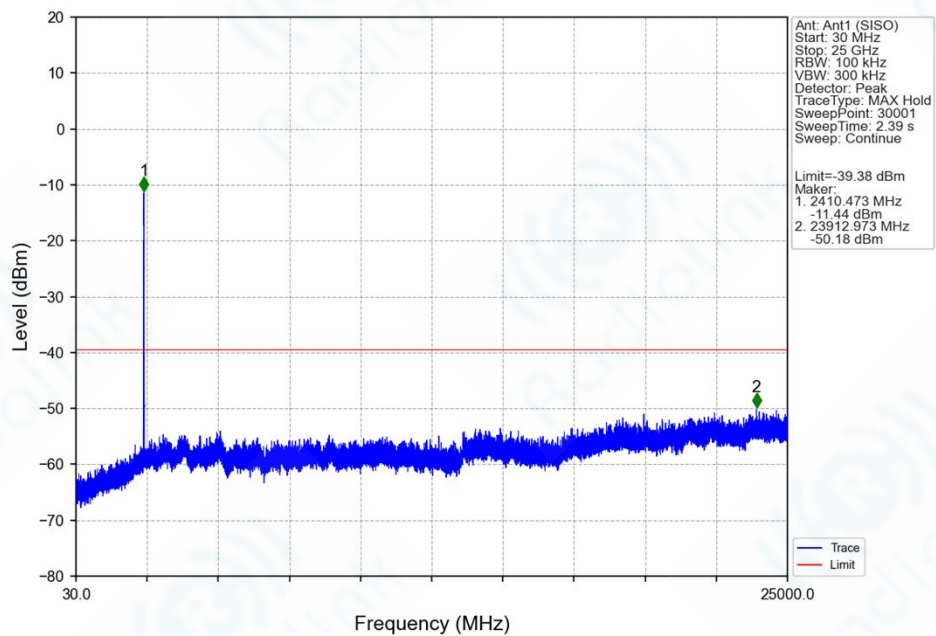
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

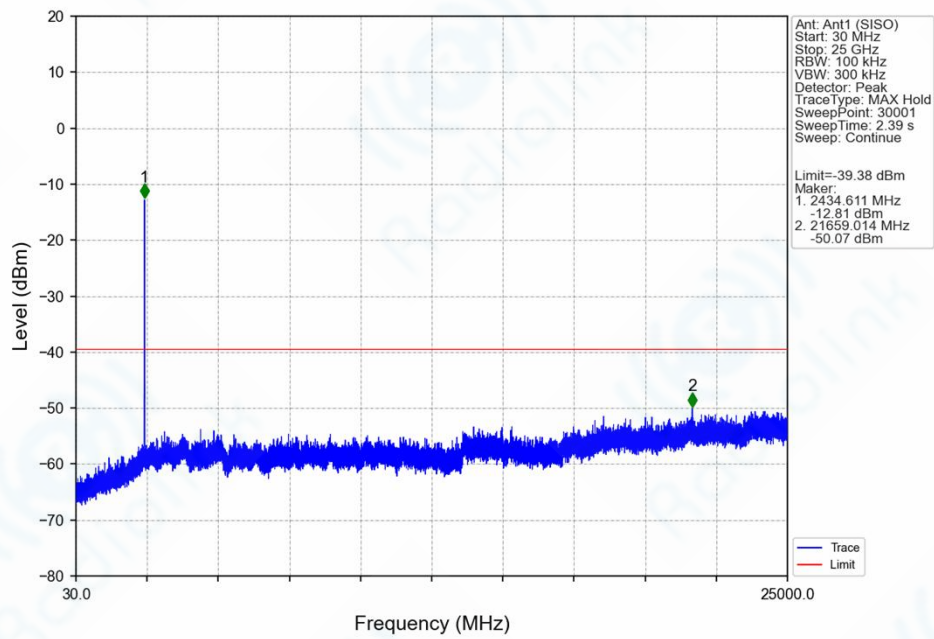


Radiolink Testing (Shenzhen) Co., Ltd.

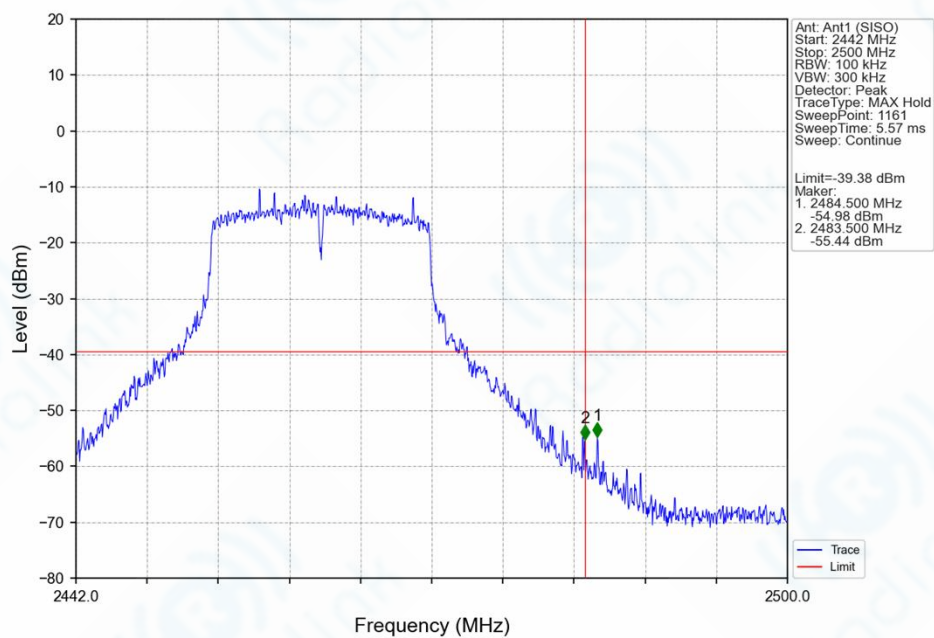
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

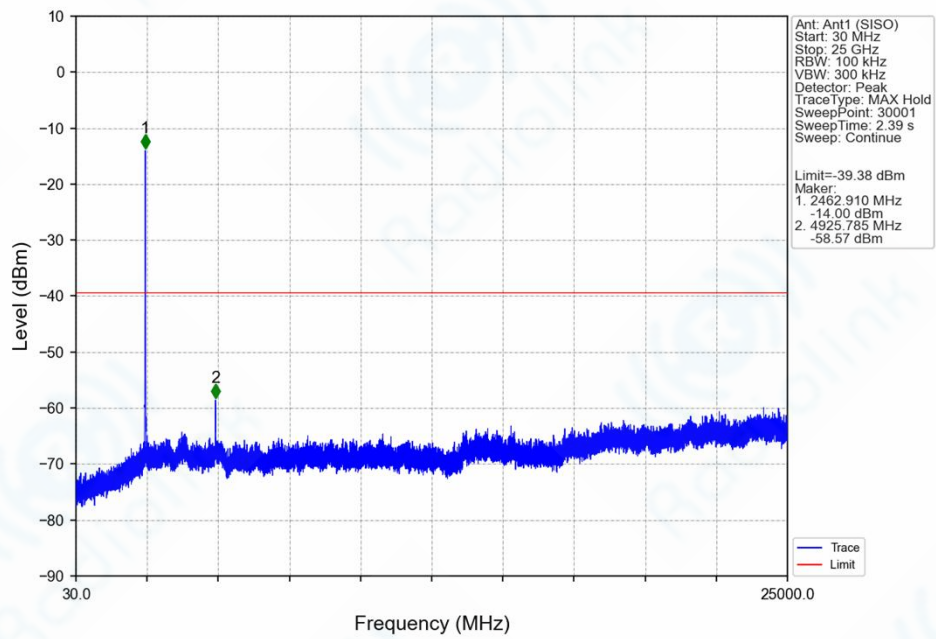


Radiolink Testing (Shenzhen) Co., Ltd.

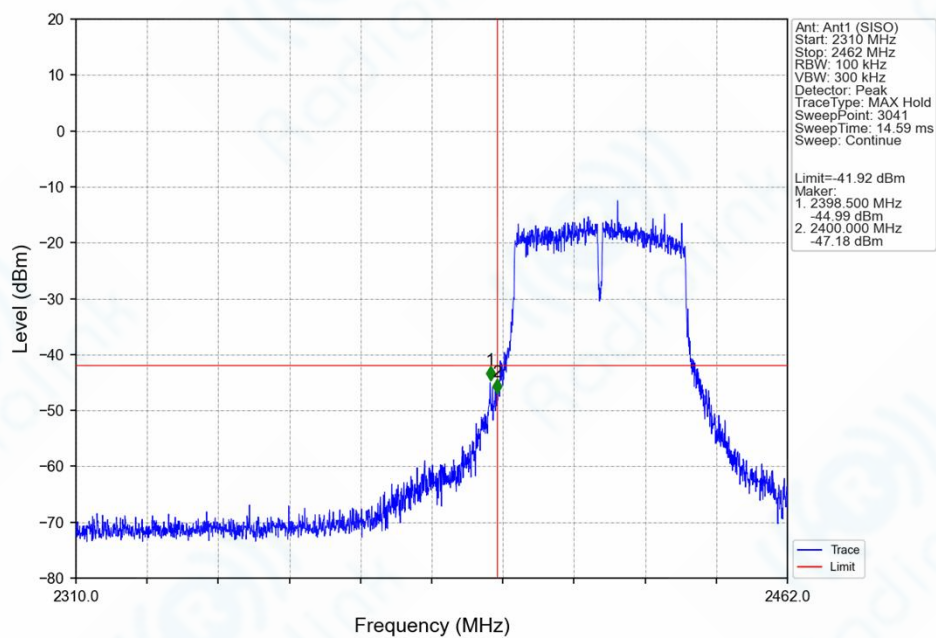
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

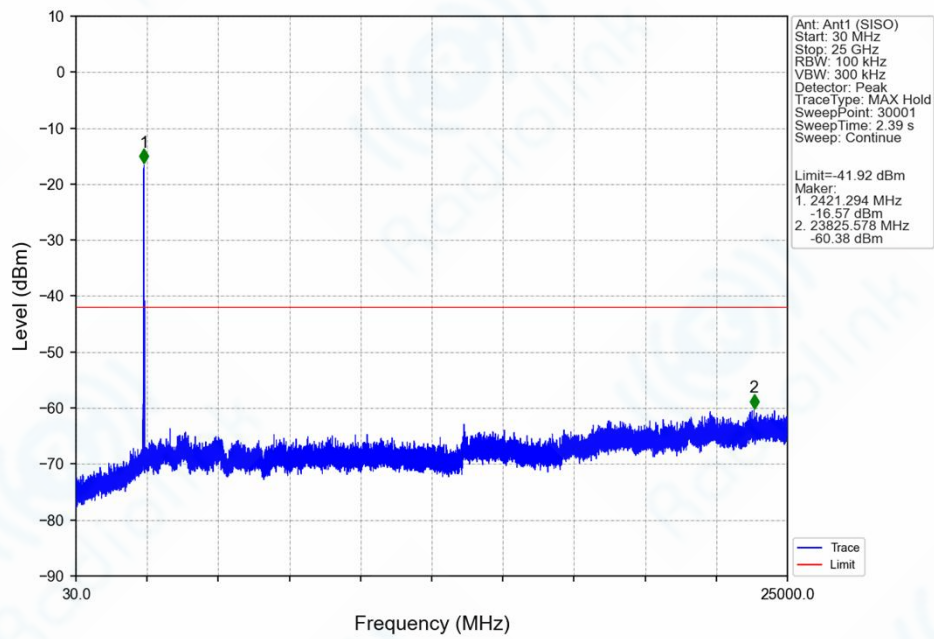


Radiolink Testing (Shenzhen) Co., Ltd.

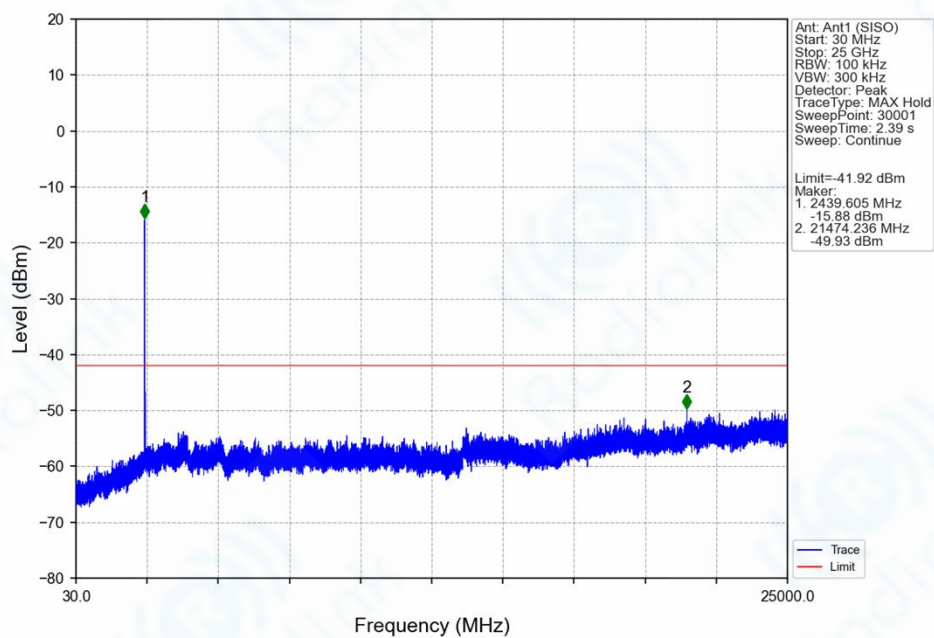
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

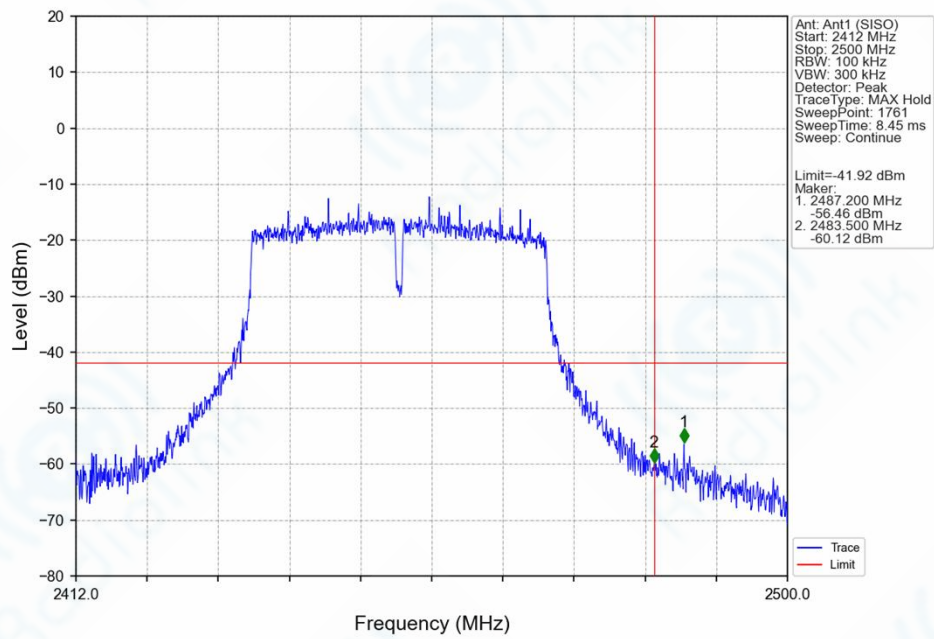


Radiolink Testing (Shenzhen) Co., Ltd.

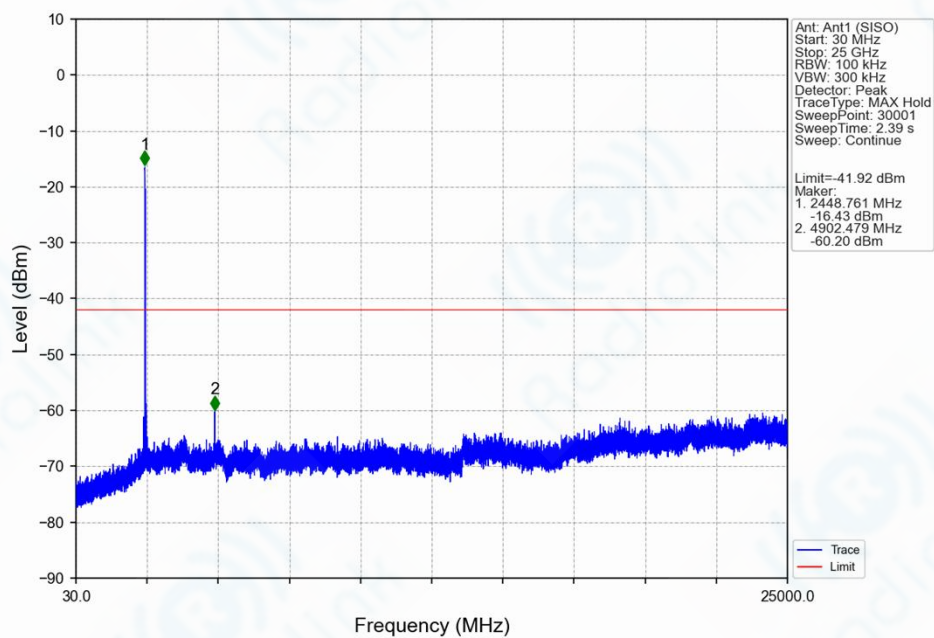
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -

Radiolink Testing (Shenzhen) Co., Ltd.

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Shenzhen, Guangdong Province, China

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