

Appendix Test Data

Project No.:	18220WC10108801	Test Date:	2021.6.10-2021.6.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

1. Bandwidth

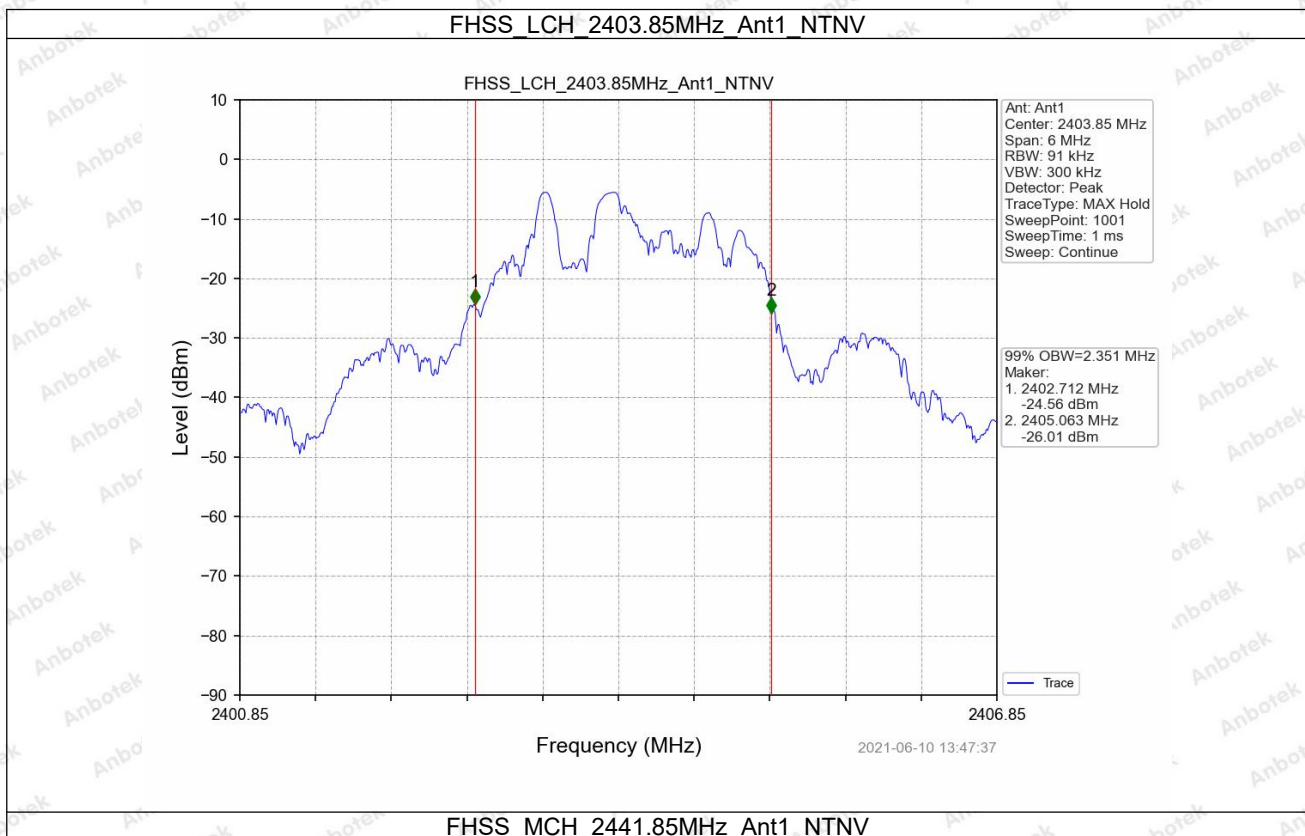
1.1 OBW

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
			Ant1		
FHSS	SISO	2403.85	2.351	/	Note1
		2441.85	2.442	/	Note1
		2479.85	2.757	/	Note1

Note1: Only for Report Use

1.1.2 Test Graph



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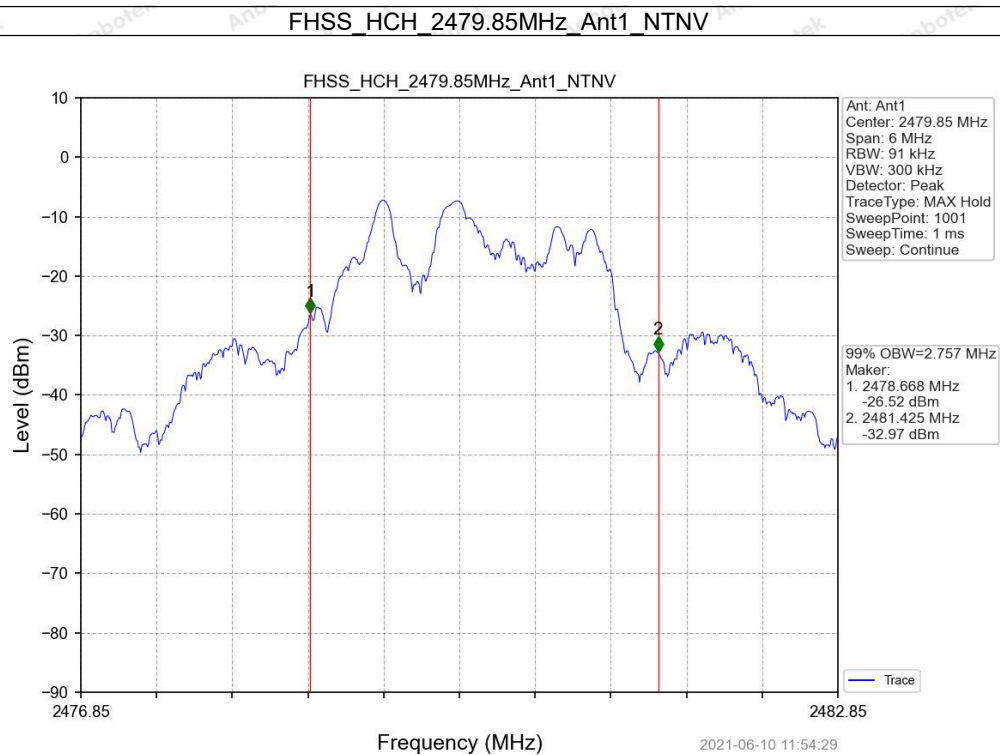
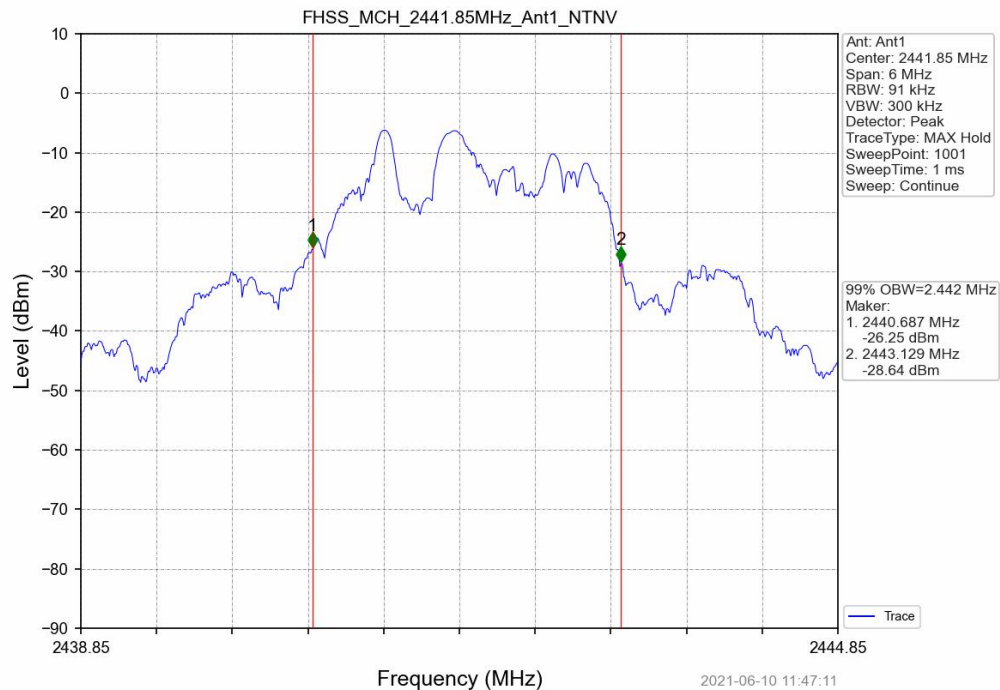
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1.2 XDB

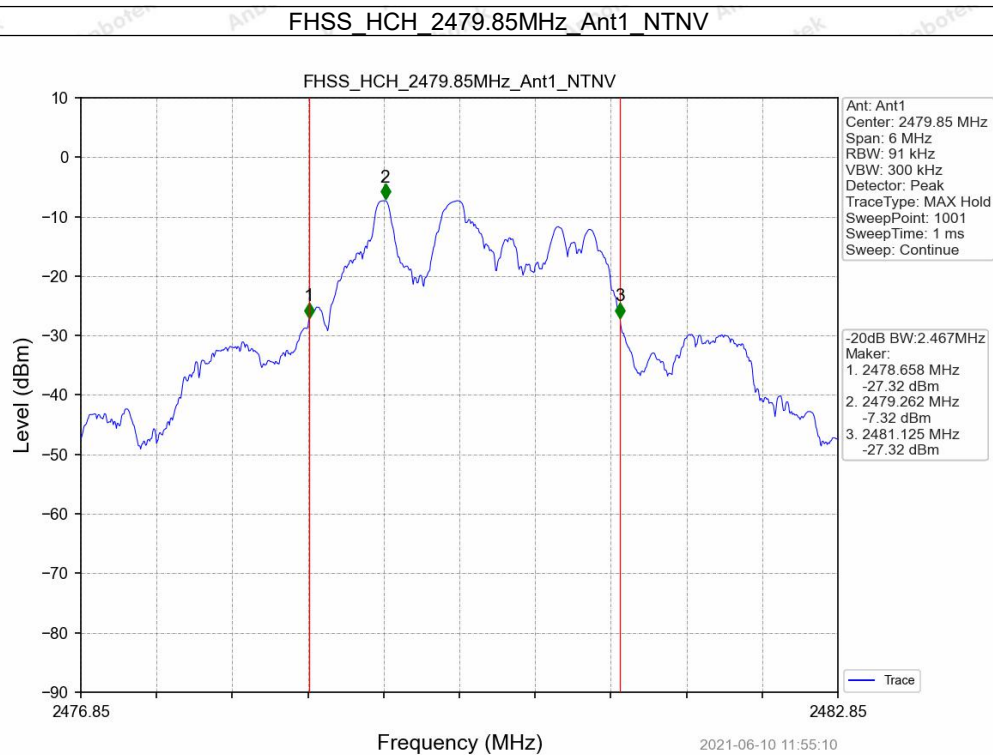
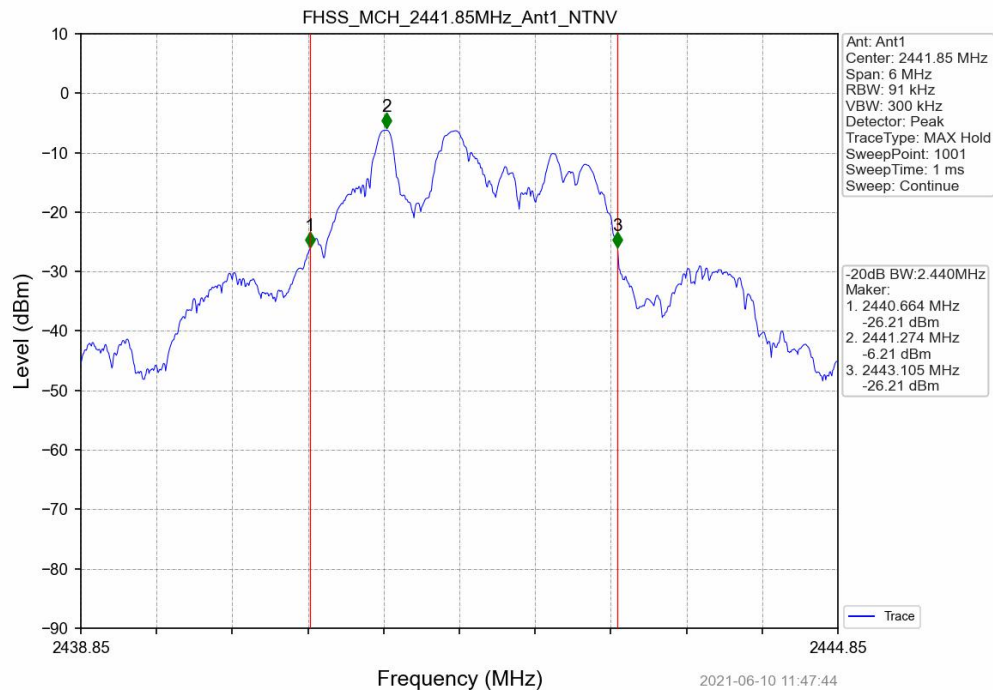
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
			Ant1		
FHSS	SISO	2403.85	2.400	/	Note1
		2441.85	2.440	/	Note1
		2479.85	2.467	/	Note1

Note1: Only for Report Use

1.2.2 Test Graph





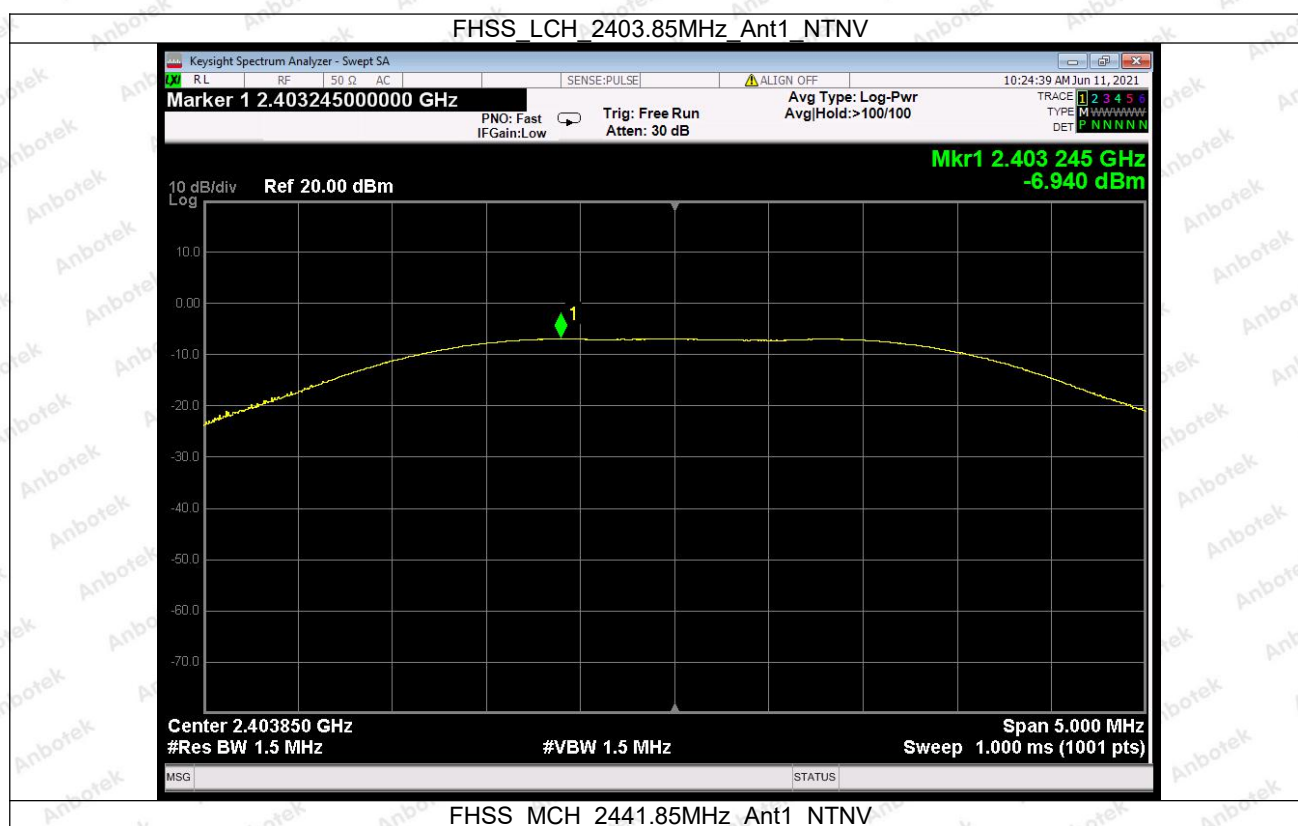
2. Maximum Conducted Output Power

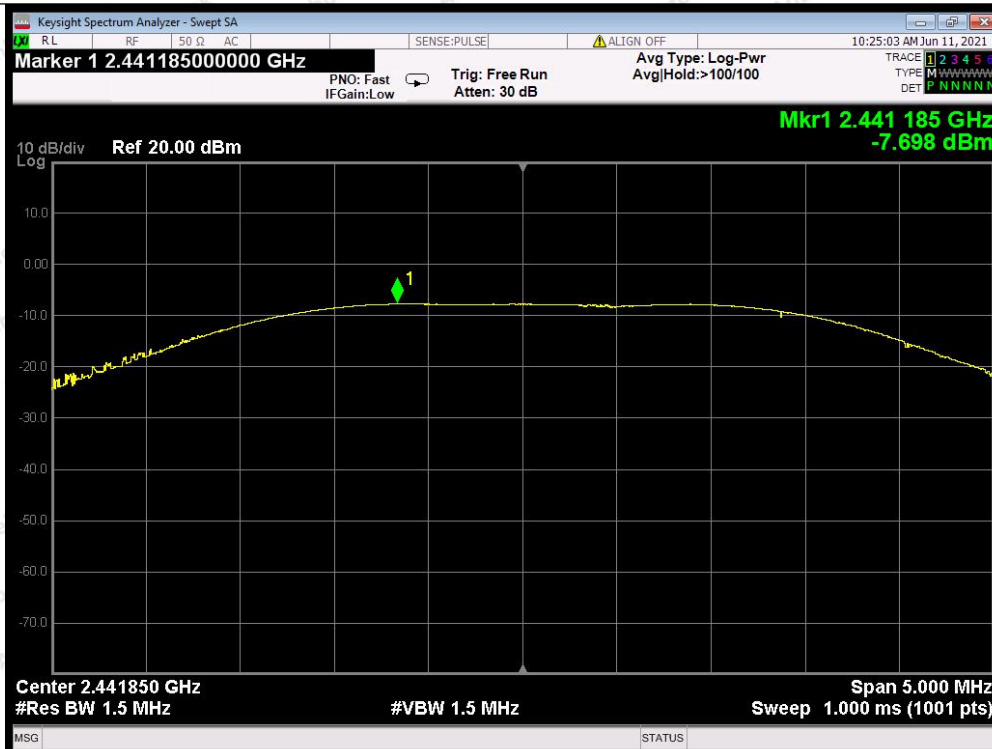
2.1 Power

2.1.1 Test Result

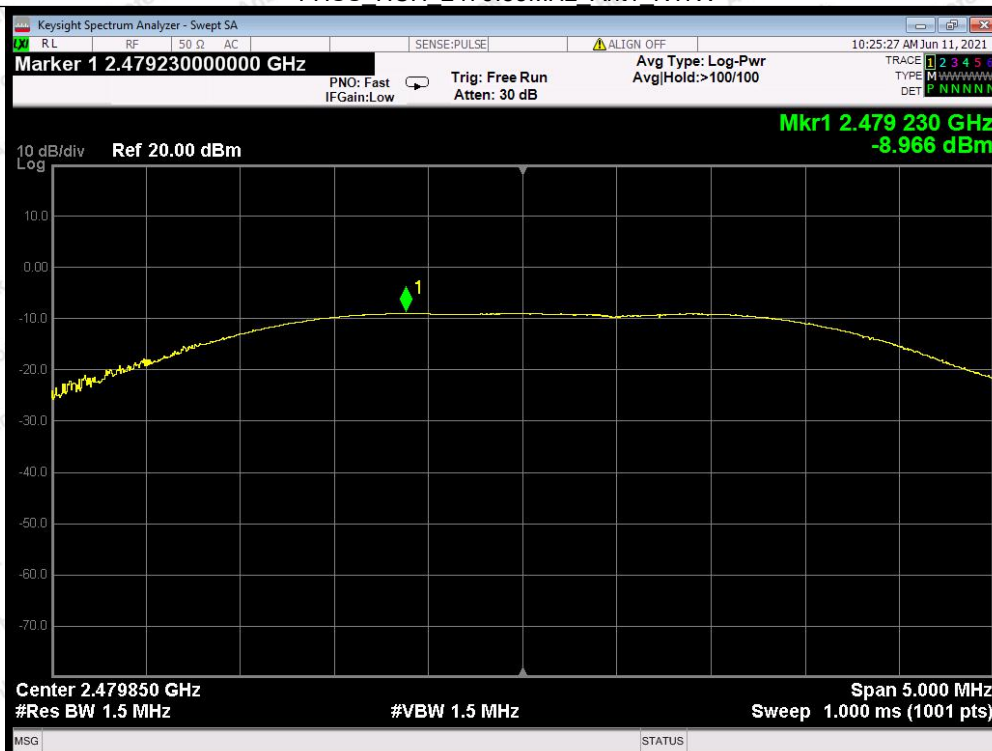
Mode	TX Type	Frequency (MHz)	Measured Peak Output Power (dBm)	Limit (dBm)	Verdict
			Ant1		
FHSS	SISO	2403.85	-6.940	<=20.97	Pass
		2441.85	-7.698	<=20.97	Pass
		2479.85	-8.966	<=20.97	Pass
Note1: Antenna Gain: 1: -1.00dBi;					

2.1.2 Test Graph





FHSS HCH 2479.85MHz Ant1 NTN



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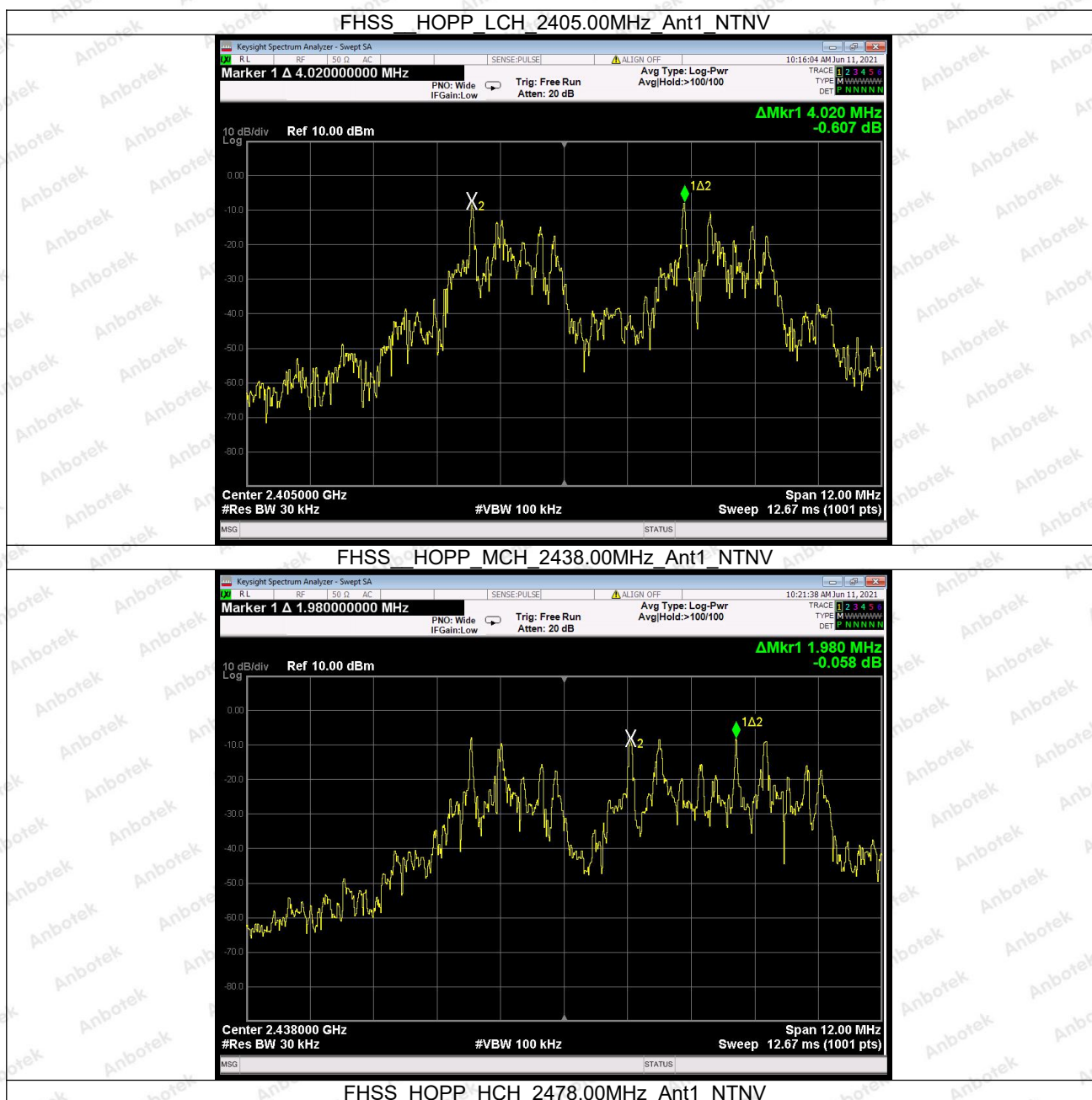
3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

Ant1						
Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
FHSS	SISO	2405.00	4.020	2.400	1.600	PASS
FHSS	SISO	2438.00	1.980	2.440	1.627	PASS
FHSS	SISO	2478.00	5.988	2.467	1.645	PASS

3.1.2 Test Graph





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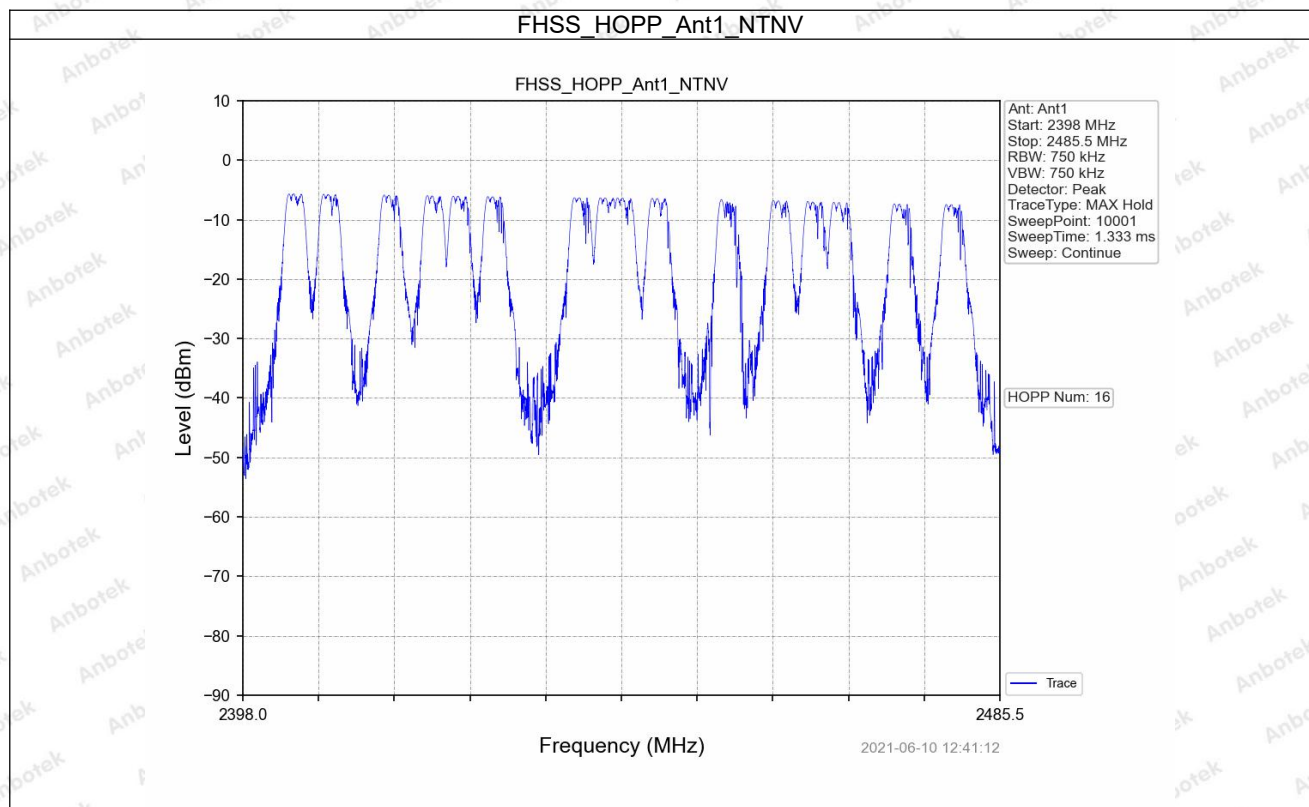
4. Number of Hopping Frequencies

4.1 HopNum

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies		Limit	Verdict
			Ant1			
FHSS	SISO	2441.85	16		>=15	Pass

4.1.2 Test Graph



5. Time of Occupancy (Dwell Time)

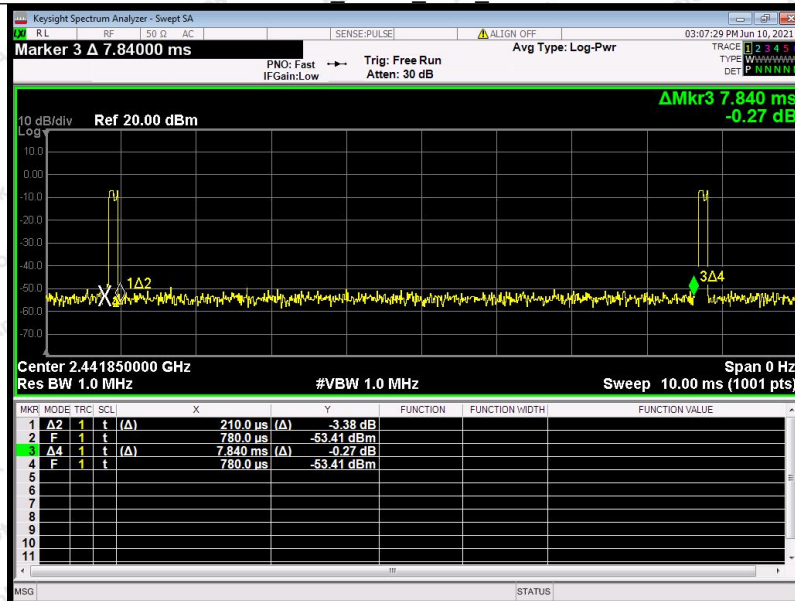
5.1 Ant1

5.1.1 Test Result

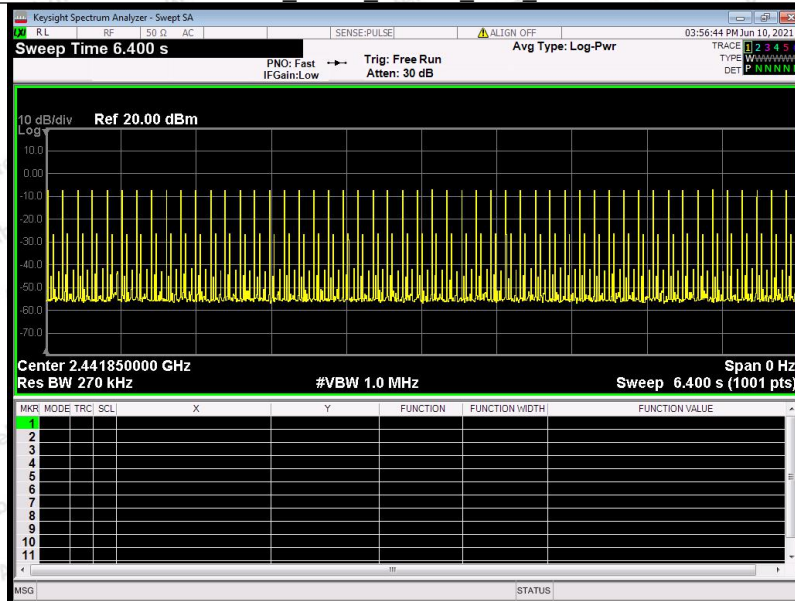
Ant1								
Mode	TX Type	Frequency (MHz)	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
FHSS	SISO	2441.85	0.21	6.4	51	10.71	<=400	PASS

Note1: Only for Report Use

FHSS HOPP Ant1 NTN



FHSS HOPP Period Ant1 NTN



6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

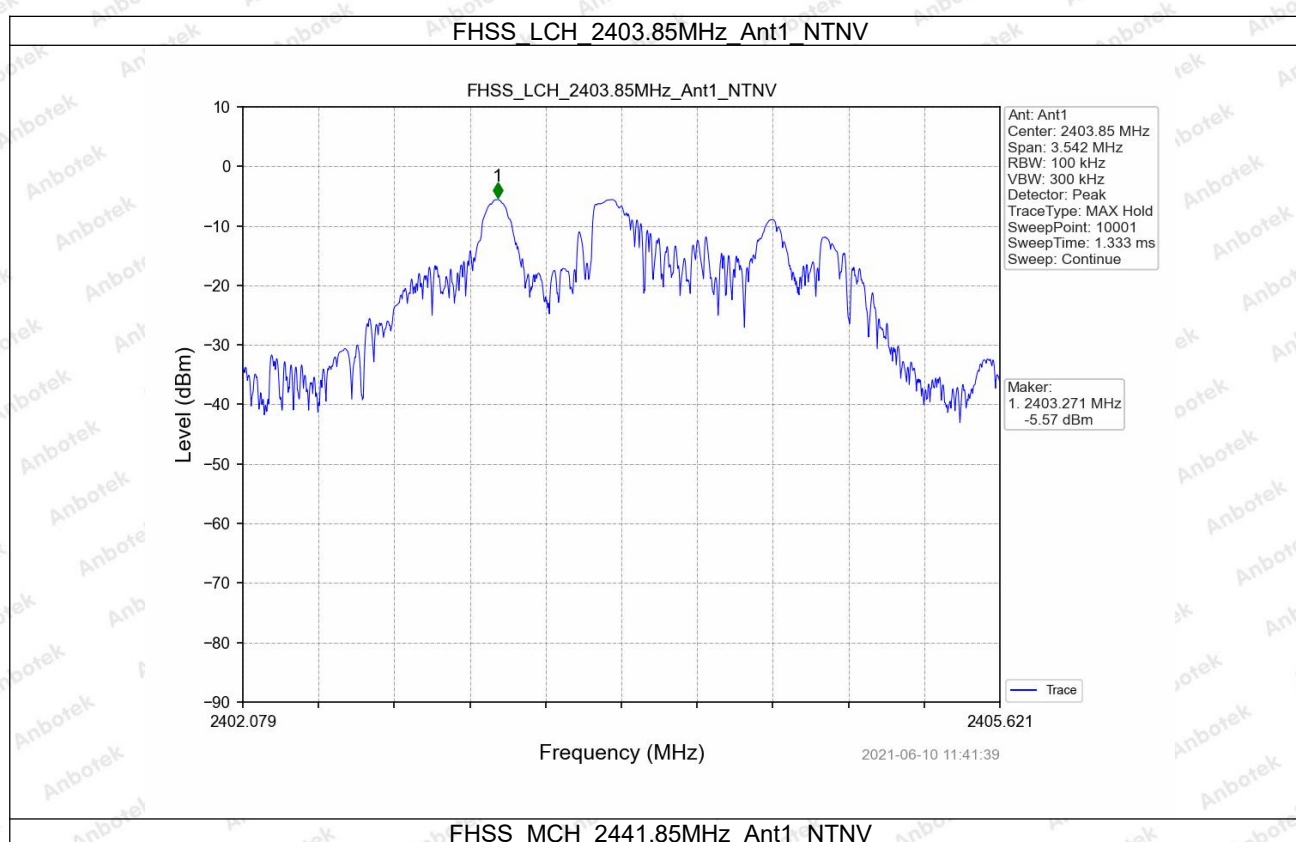
6.1.1 Test Result

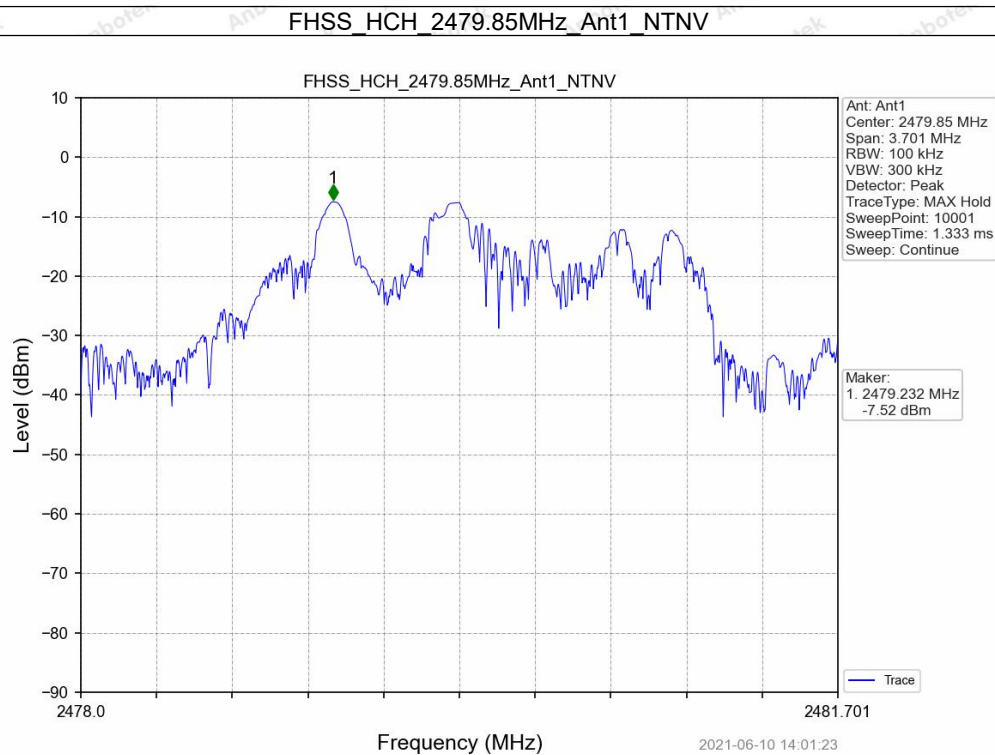
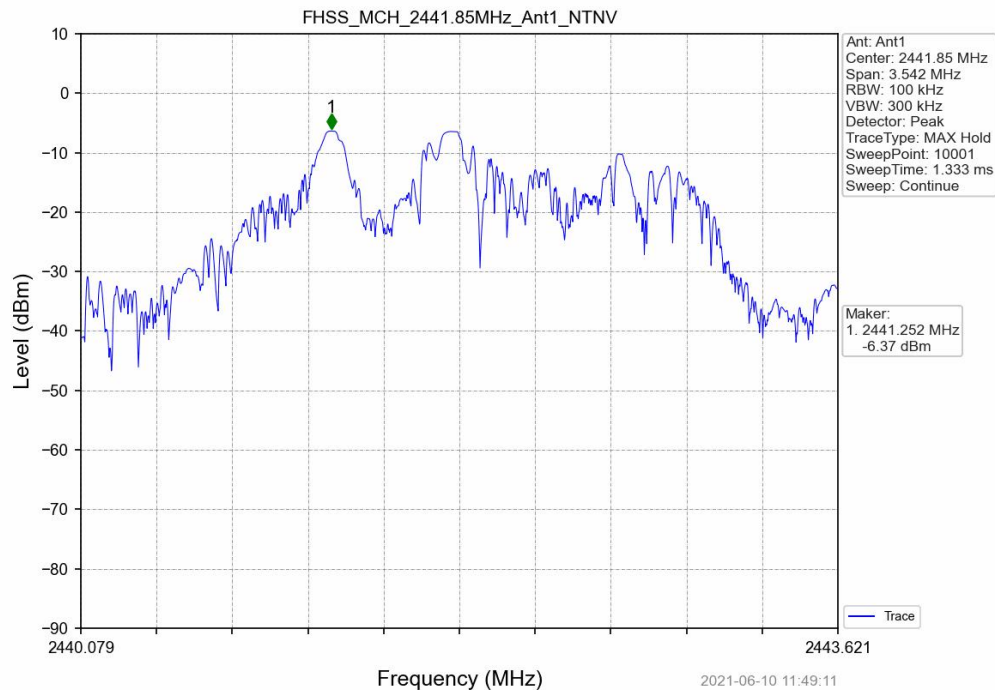
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
FHSS	SISO	2403.85	1	-5.57	/	/
		2441.85	1	-6.37	/	/
		2479.85	1	-7.52	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

Note2: Only for Report Use

6.1.2 Test Graph





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6.2 CSE

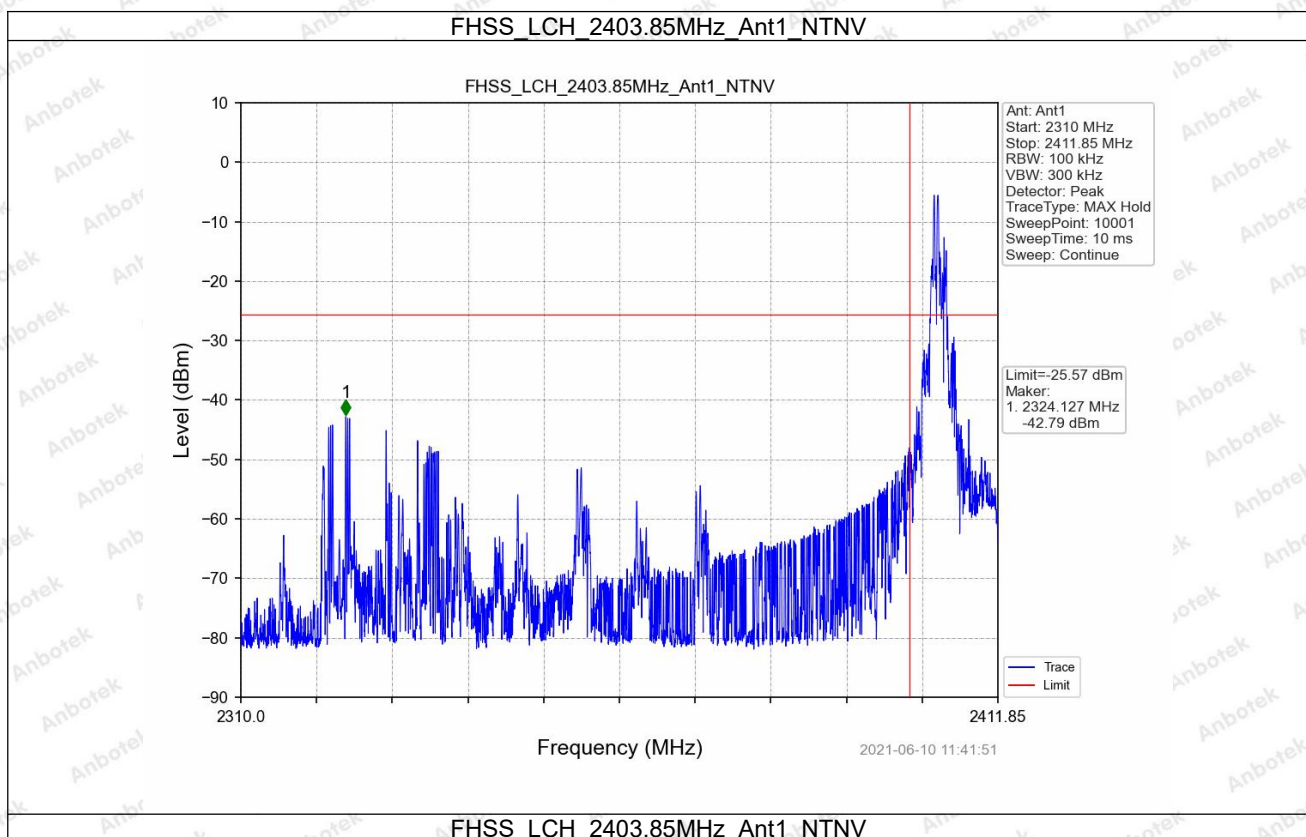
6.2.1 Test Result

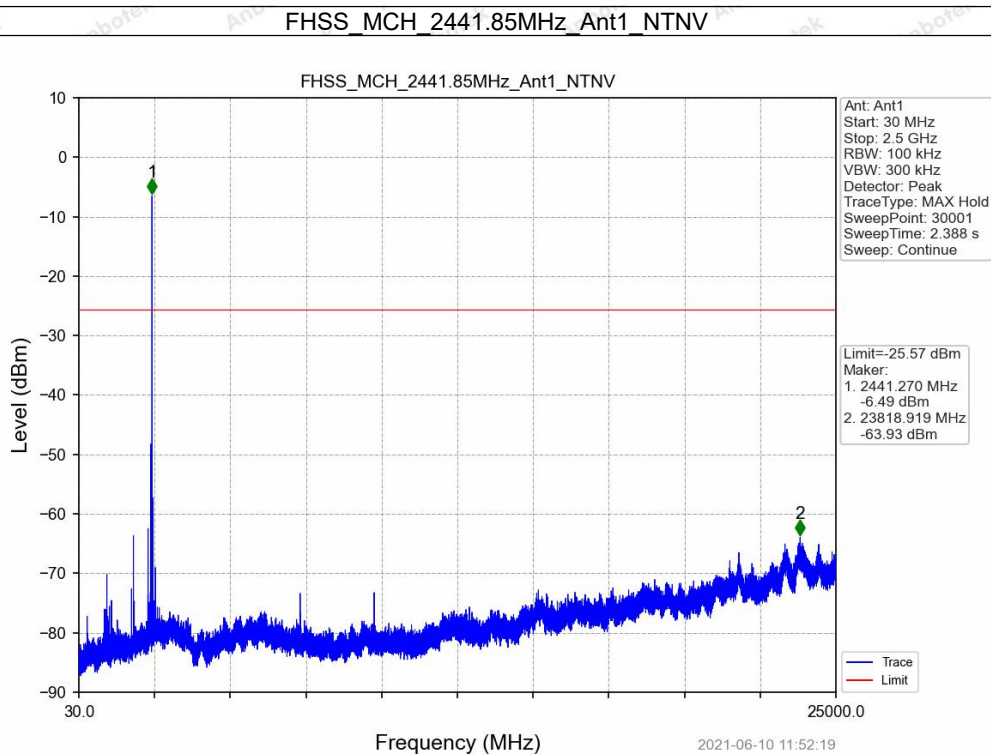
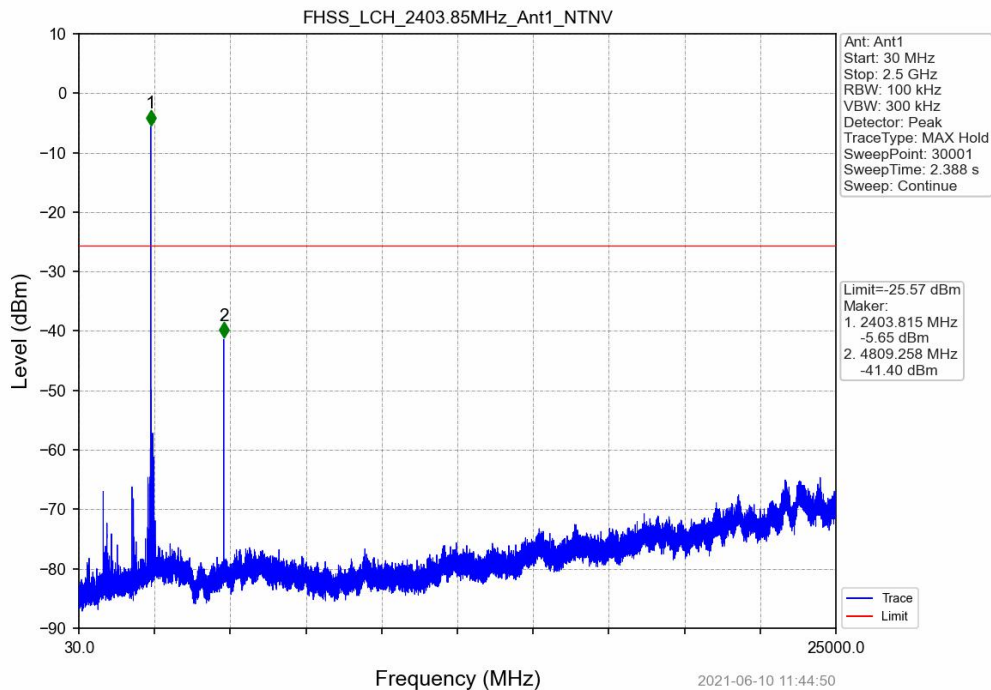
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
FHSS	SISO	2403.85	1	Refer To Test Graph	Refer To Test Graph	Pass
		2441.85	1	Refer To Test Graph	Refer To Test Graph	Pass
		2441.85	1	Refer To Test Graph	Refer To Test Graph	Pass
		2479.85	1	Refer To Test Graph	Refer To Test Graph	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

Note2: Only for Report Use

6.2.2 Test Graph





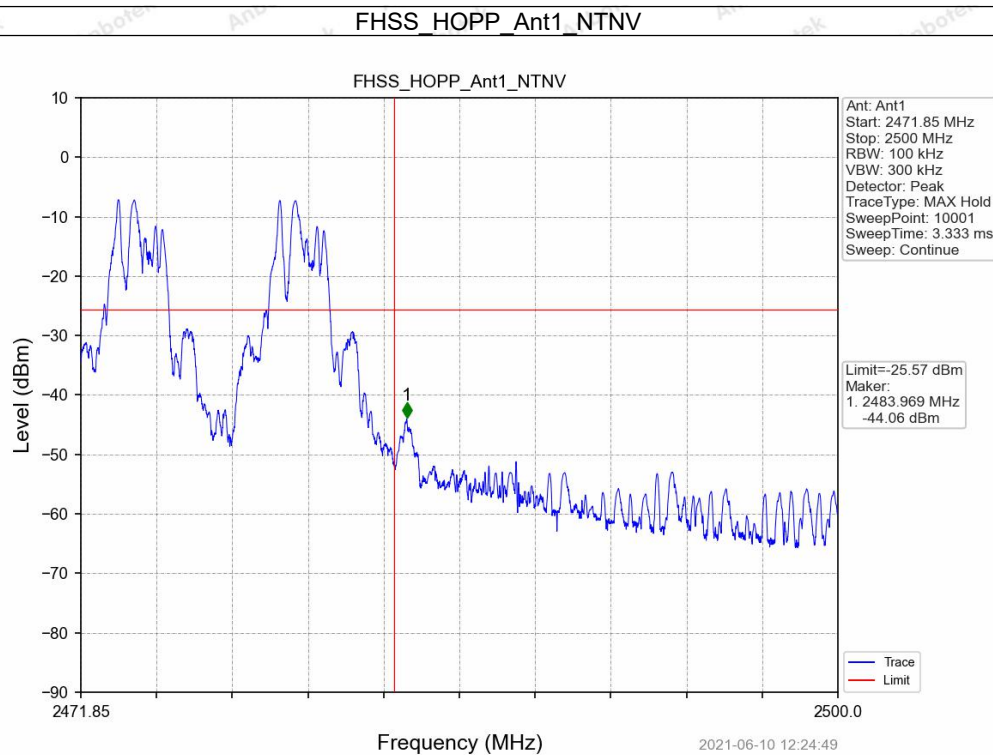
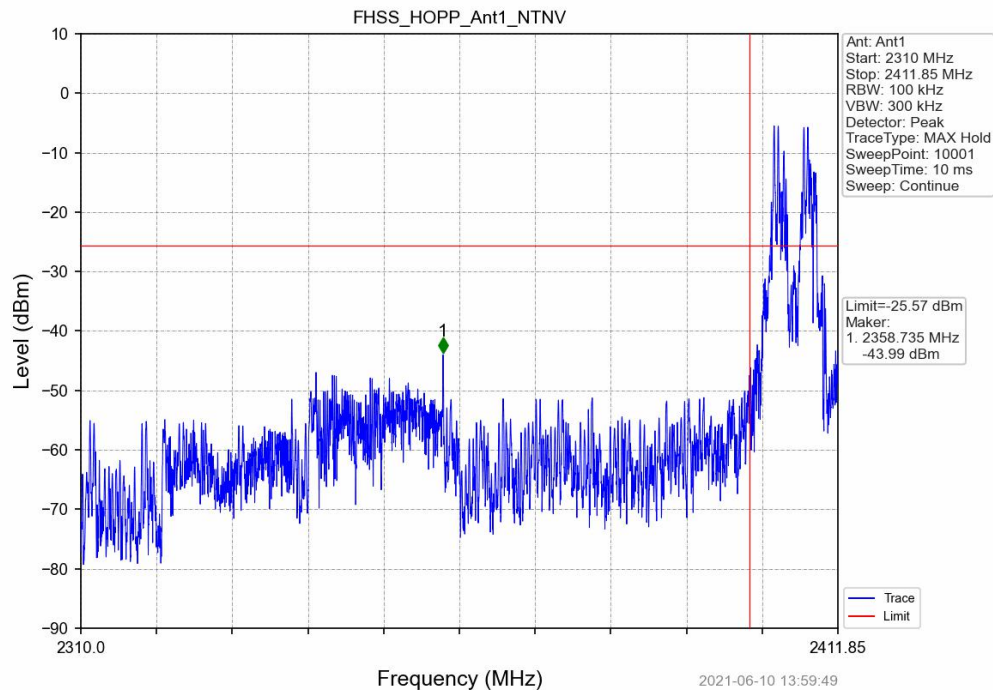
FHSS_HOPP_Ant1_NTNV

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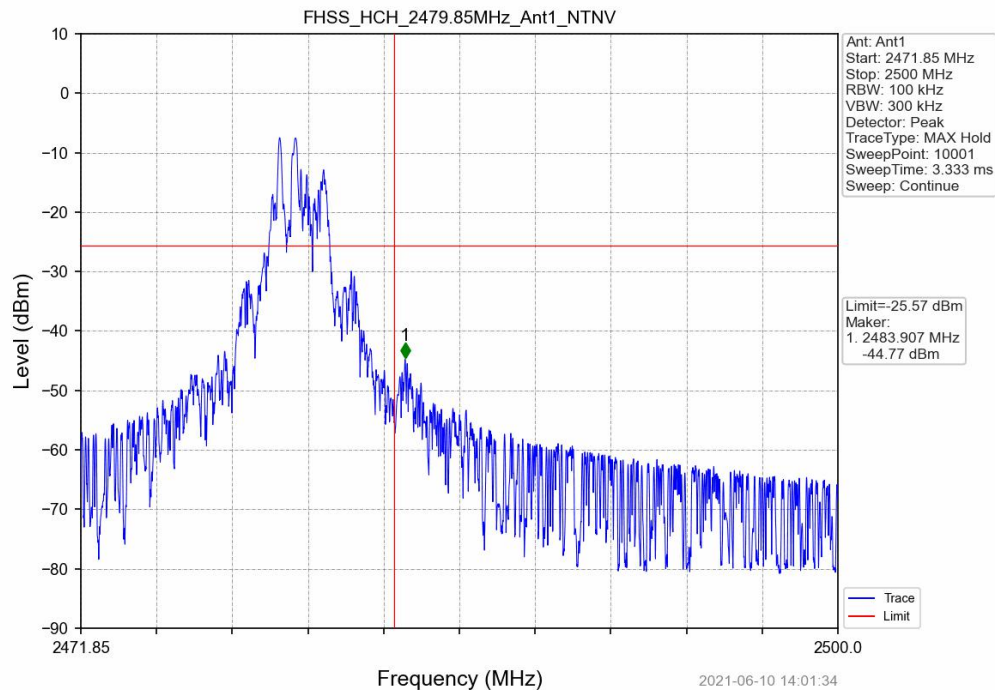
FHSS_HCH_2479.85MHz_Ant1_NTNV

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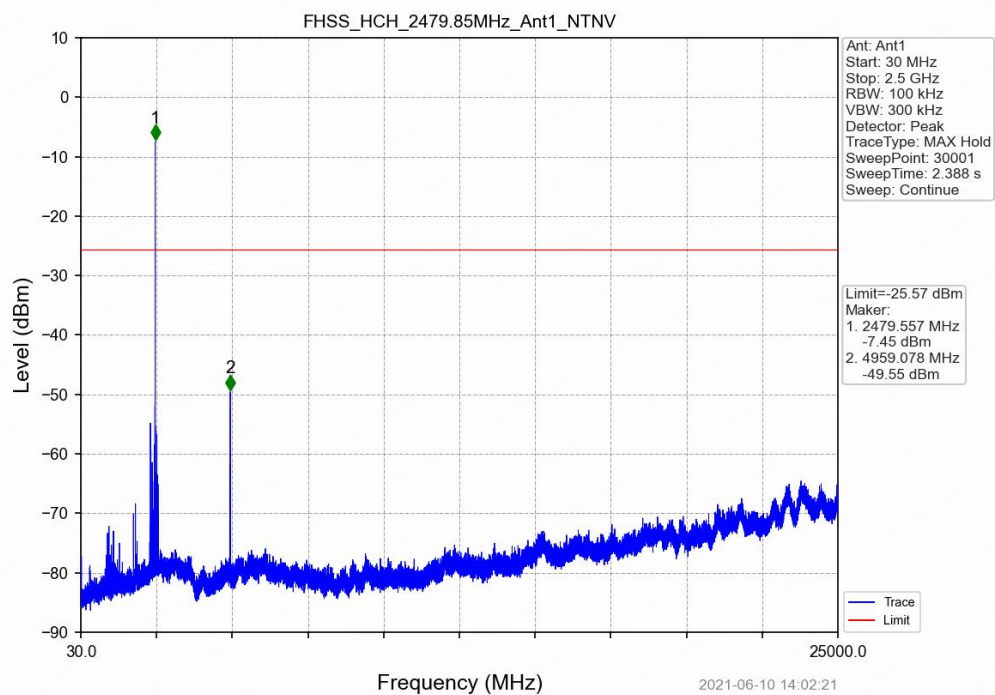
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FHSS_HCH_2479.85MHz_Ant1_NTNV



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