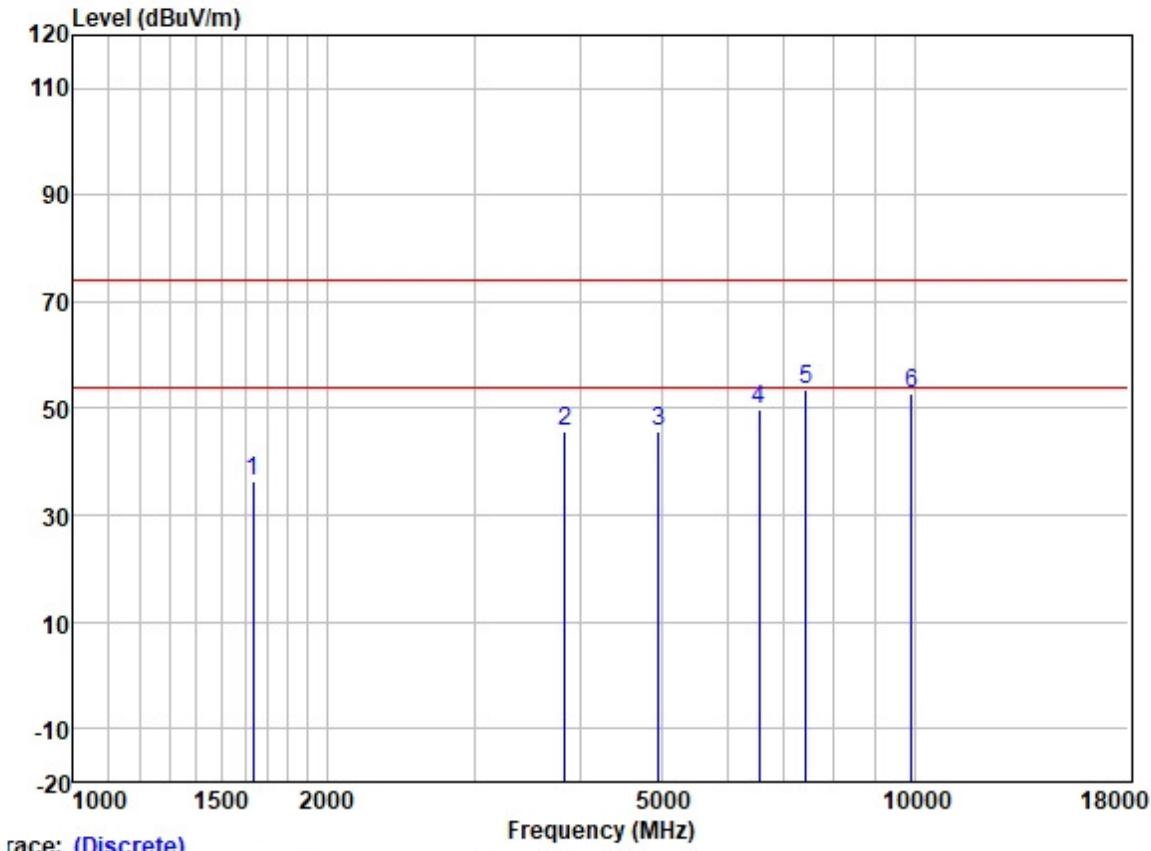


Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; ; Channel:High



Mode: (Discrete)

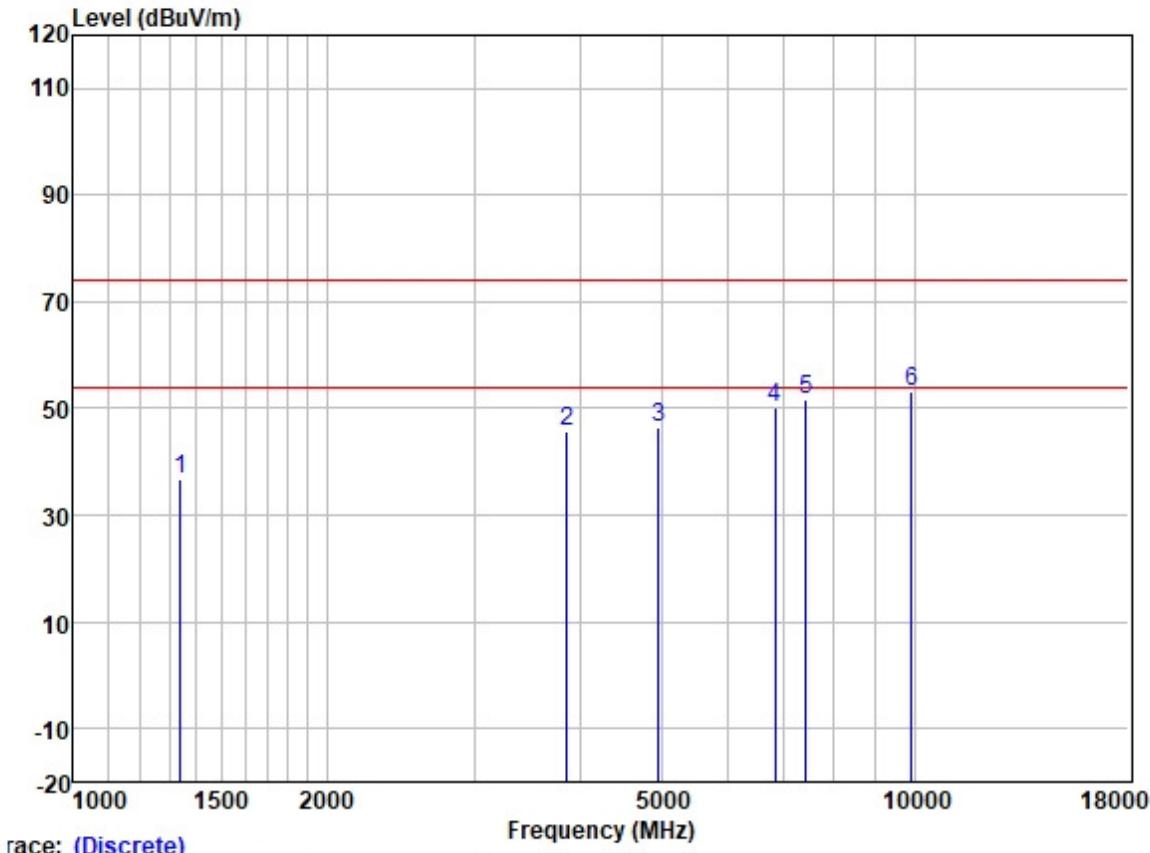
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1635.958	46.06	25.62	2.80	37.95	36.53	74.00	-37.47	HORIZONTAL	Peak	
2 3838.884	48.30	29.59	4.60	36.84	45.65	74.00	-28.35	HORIZONTAL	Peak	
3 4960.000	45.39	31.65	5.65	36.84	45.85	74.00	-28.15	HORIZONTAL	Peak	
4 6531.373	46.98	34.03	5.84	37.02	49.83	74.00	-24.17	HORIZONTAL	Peak	
5 7440.000	48.48	36.27	6.22	37.47	53.50	74.00	-20.50	HORIZONTAL	Peak	
6 9920.000	44.66	38.65	6.96	37.40	52.87	74.00	-21.13	HORIZONTAL	Peak	

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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; ; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1339.864	47.07	25.29	2.60	38.27	36.69	74.00	-37.31	VERTICAL	Peak	
2 3859.985	48.44	29.62	4.60	36.84	45.82	74.00	-28.18	VERTICAL	Peak	
3 4960.000	45.89	31.65	5.65	36.84	46.35	74.00	-27.65	VERTICAL	Peak	
4 6836.046	46.83	34.74	5.82	37.13	50.26	74.00	-23.74	VERTICAL	Peak	
5 7440.000	46.52	36.27	6.22	37.47	51.54	74.00	-22.46	VERTICAL	Peak	
6 9920.000	45.04	38.65	6.96	37.40	53.25	74.00	-20.75	VERTICAL	Peak	

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2M

Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; ; Channel:Low

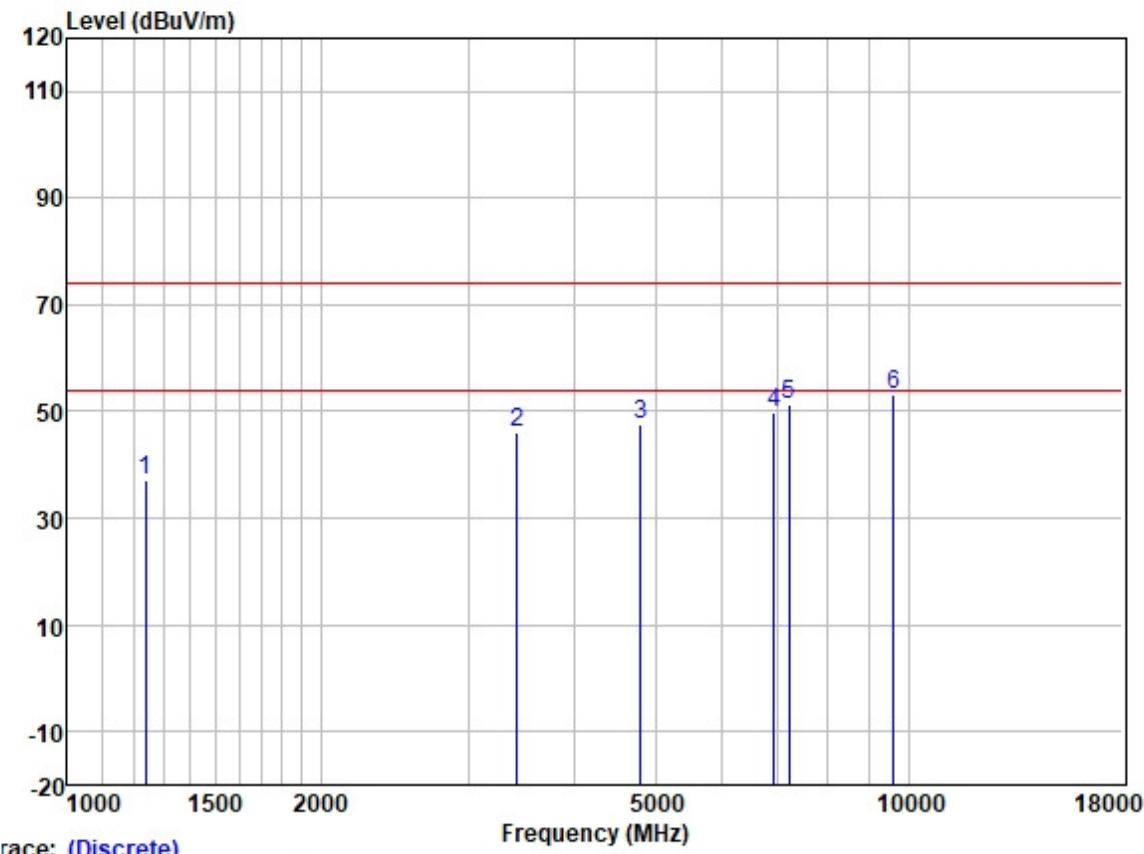


Table showing measurement details for each point:

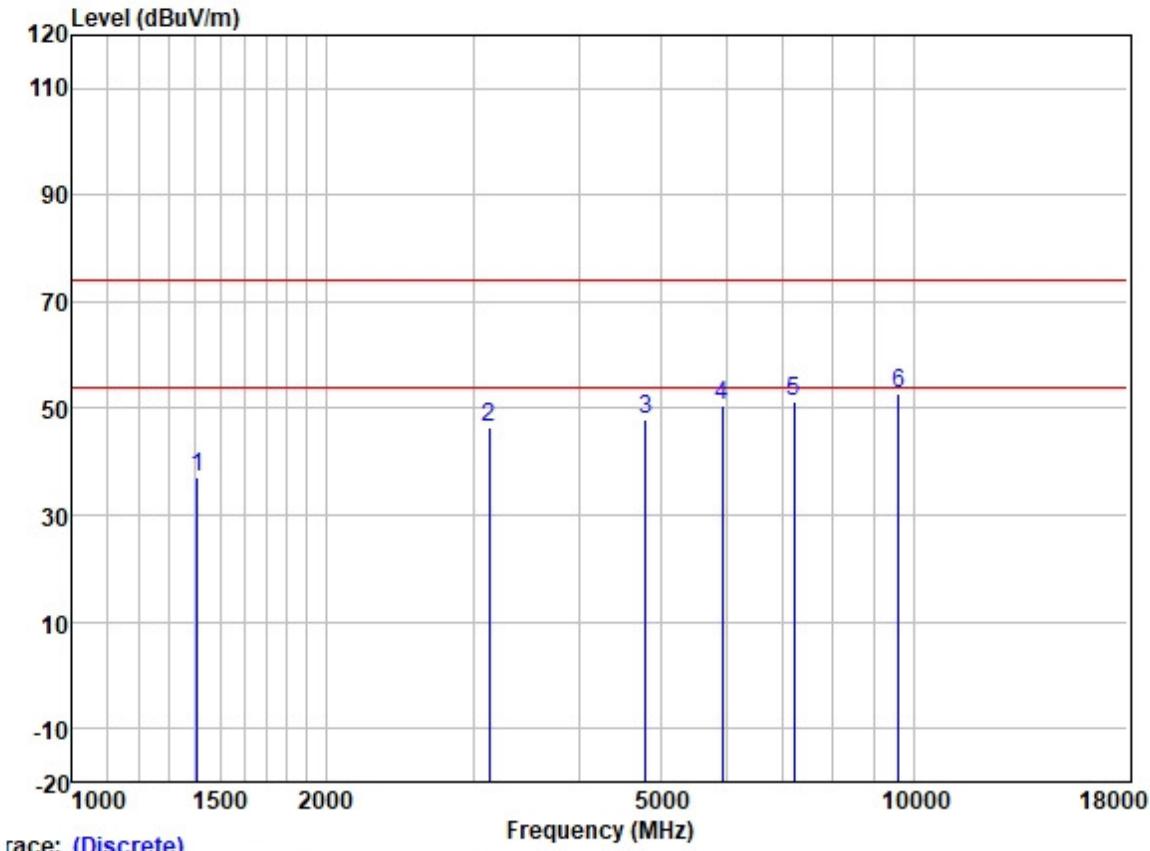
Point	Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1238.855	48.05	24.96	2.30	38.35	36.96	74.00	-37.04	HORIZONTAL	Peak	
2	3428.437	50.19	28.86	4.15	36.97	46.23	74.00	-27.77	HORIZONTAL	Peak	
3	4804.000	47.71	31.42	5.40	36.83	47.70	74.00	-26.30	HORIZONTAL	Peak	
4	6924.518	46.41	34.89	5.81	37.19	49.92	74.00	-24.08	HORIZONTAL	Peak	
5	7206.000	47.23	35.54	5.98	37.38	51.37	74.00	-22.63	HORIZONTAL	Peak	
6	9608.000	45.20	38.37	7.07	37.42	53.22	74.00	-20.78	HORIZONTAL	Peak	

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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; ; Channel:Low



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1406.258	47.36	25.40	2.61	38.22	37.15	74.00	-36.85	VERTICAL	Peak
2	3129.590	51.24	28.51	3.95	37.14	46.56	74.00	-27.44	VERTICAL	Peak
3	4804.000	47.96	31.42	5.40	36.83	47.95	74.00	-26.05	VERTICAL	Peak
4	5931.614	49.19	32.34	6.00	36.90	50.63	74.00	-23.37	VERTICAL	Peak
5	7206.000	47.01	35.54	5.98	37.38	51.15	74.00	-22.85	VERTICAL	Peak
6	9608.000	44.92	38.37	7.07	37.42	52.94	74.00	-21.06	VERTICAL	Peak

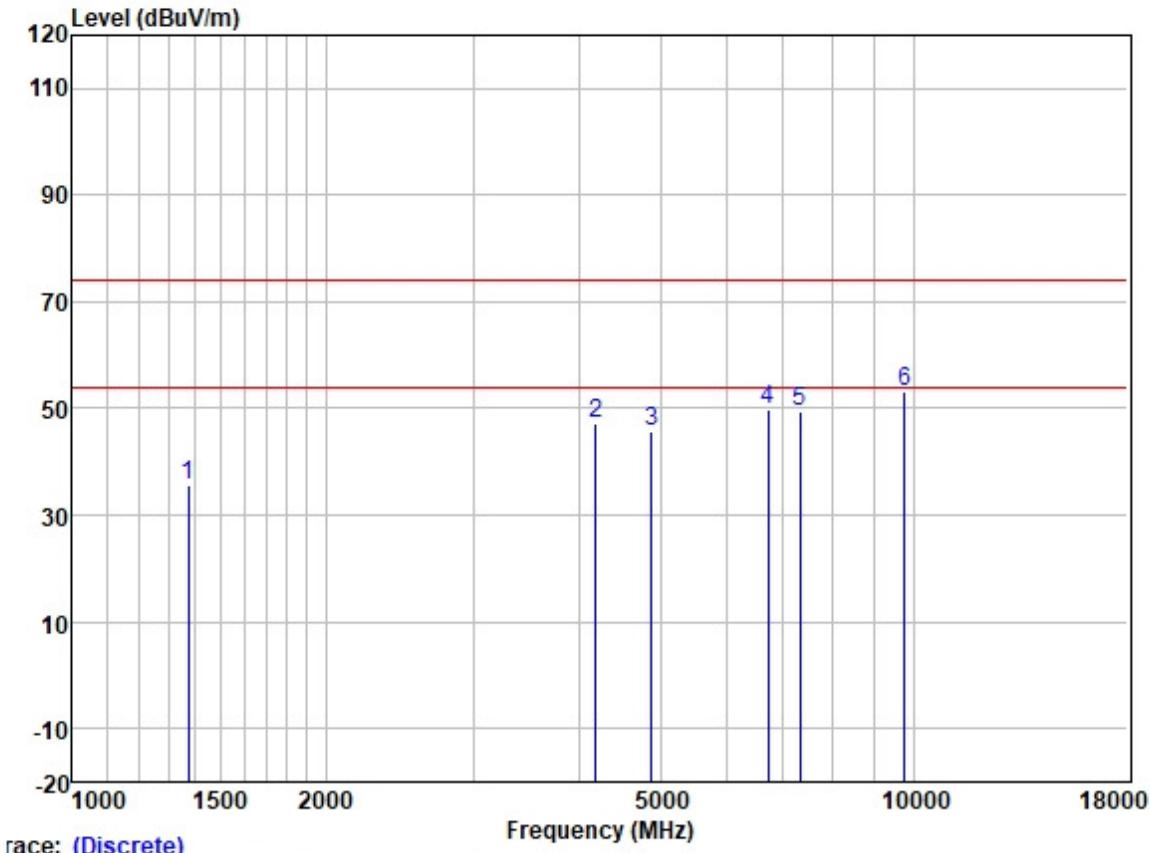
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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; ; Channel:middle



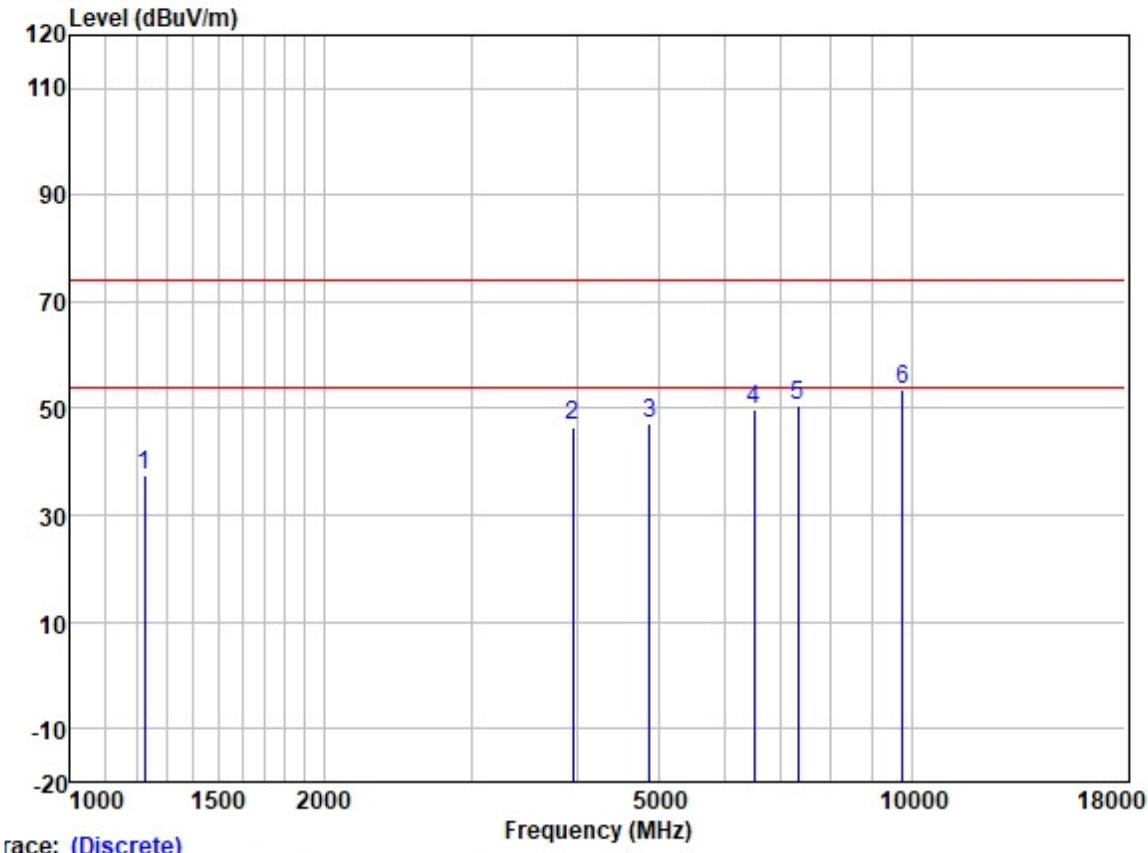
	Freq	ReadAntenna Level	Cable Factor	Preamp Loss	Limit Factor	Over Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1373.461	45.93	25.35	2.60	38.25	35.63	74.00	-38.37	HORIZONTAL	Peak
2	4186.351	49.24	30.12	4.60	36.80	47.16	74.00	-26.84	HORIZONTAL	Peak
3	4880.000	45.59	31.54	5.50	36.84	45.79	74.00	-28.21	HORIZONTAL	Peak
4	6725.900	46.80	34.44	5.83	37.09	49.98	74.00	-24.02	HORIZONTAL	Peak
5	7320.000	44.78	36.00	6.13	37.43	49.48	74.00	-24.52	HORIZONTAL	Peak
6	9760.000	45.13	38.50	7.02	37.41	53.24	74.00	-20.76	HORIZONTAL	Peak

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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; ; Channel:middle



Mode: (Discrete)

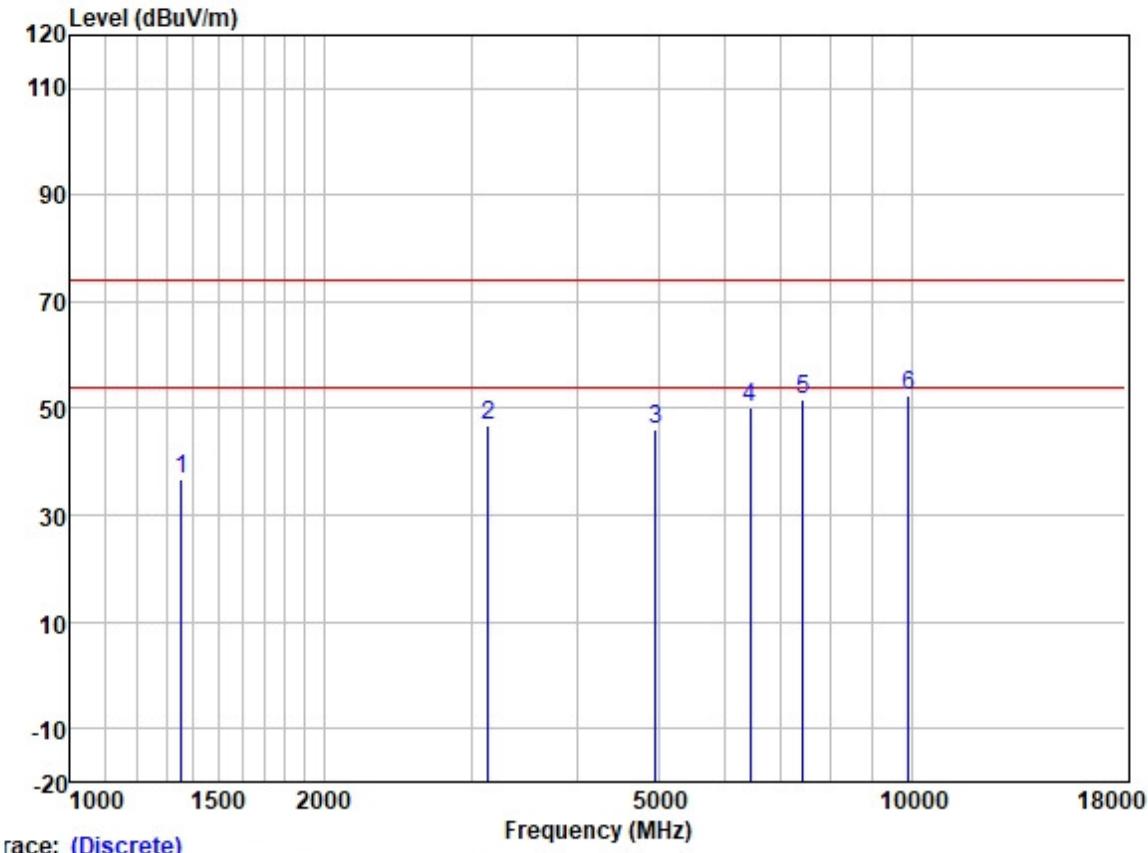
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
MHz	dBuV	dB/m	dB	dB	Level	dBuV/m	dBuV/m	dB		
1 1226.472	48.52	24.88	2.31	38.37	37.34	74.00	-36.66	VERTICAL	Peak	
2 3963.027	49.10	29.75	4.60	36.81	46.64	74.00	-27.36	VERTICAL	Peak	
3 4880.000	47.04	31.54	5.50	36.84	47.24	74.00	-26.76	VERTICAL	Peak	
4 6507.204	46.87	34.00	5.84	37.01	49.70	74.00	-24.30	VERTICAL	Peak	
5 7320.000	45.93	36.00	6.13	37.43	50.63	74.00	-23.37	VERTICAL	Peak	
6 9760.000	45.40	38.50	7.02	37.41	53.51	74.00	-20.49	VERTICAL	Peak	

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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; ; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB	
1 1355.114	46.95	25.32	2.60	38.27	36.60	74.00	-37.40	HORIZONTAL	Peak	
2 3142.626	51.66	28.51	3.95	37.12	47.00	74.00	-27.00	HORIZONTAL	Peak	
3 4960.000	45.78	31.65	5.65	36.84	46.24	74.00	-27.76	HORIZONTAL	Peak	
4 6426.757	47.45	33.83	5.88	36.99	50.17	74.00	-23.83	HORIZONTAL	Peak	
5 7440.000	46.80	36.27	6.22	37.47	51.82	74.00	-22.18	HORIZONTAL	Peak	
6 9920.000	44.26	38.65	6.96	37.40	52.47	74.00	-21.53	HORIZONTAL	Peak	

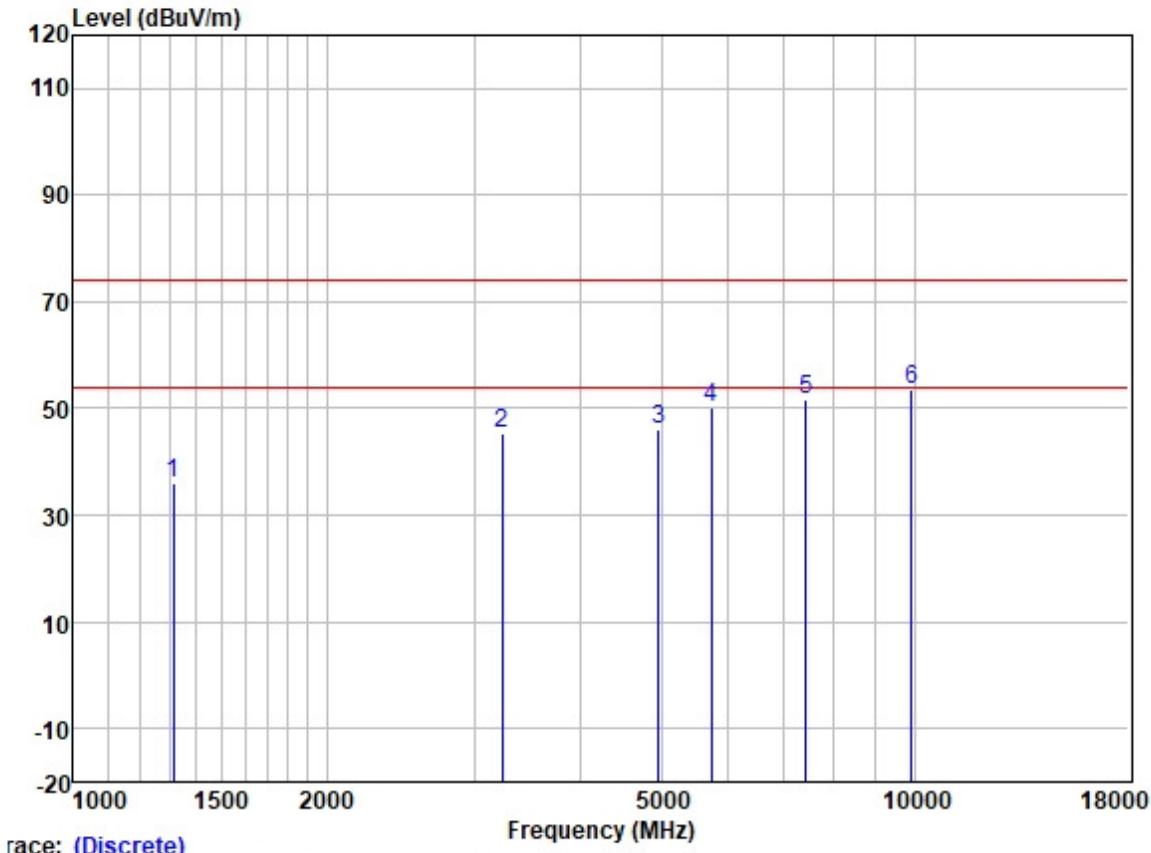
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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; ; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1315.413	46.63	25.24	2.60	38.29	36.18	74.00	-37.82	VERTICAL	Peak
2	3231.018	49.90	28.65	4.02	37.07	45.50	74.00	-28.50	VERTICAL	Peak
3	4960.000	45.66	31.65	5.65	36.84	46.12	74.00	-27.88	VERTICAL	Peak
4	5741.514	48.82	32.10	6.20	36.89	50.23	74.00	-23.77	VERTICAL	Peak
5	7440.000	46.63	36.27	6.22	37.47	51.65	74.00	-22.35	VERTICAL	Peak
6	9920.000	45.25	38.65	6.96	37.40	53.46	74.00	-20.54	VERTICAL	Peak

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## 8 Test Setup Photo

### Radiated Emissions which fall in the restricted bands



### Radiated Spurious Emissions (Below 1GHz)



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**Radiated Spurious Emissions (Above 1GHz)**

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## 9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for GZCR2108020913AT



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## 10 Appendix

### 1. Duty Cycle

#### 1.1 Ant1

##### 1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.096	2.500	83.84	0.77	0.01
		2440	2.095	2.499	83.83	0.77	0.01
		2480	2.095	2.499	83.83	0.77	0.01
2M	SISO	2402	1.016	1.876	54.16	2.66	0.03
		2440	1.015	1.875	54.13	2.67	0.02
		2480	1.015	1.875	54.13	2.67	0.02

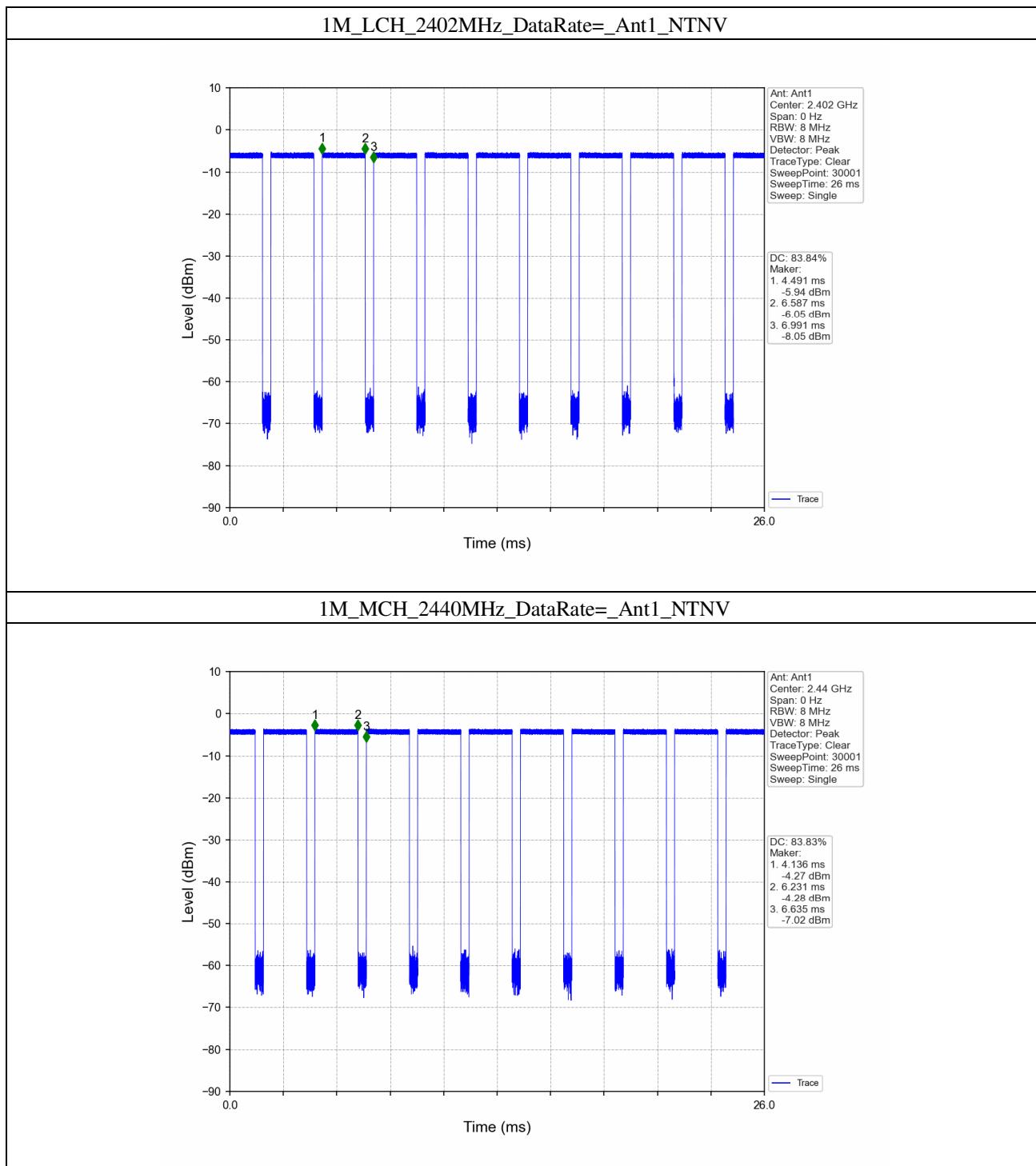
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### 1.1.2 Test Graph

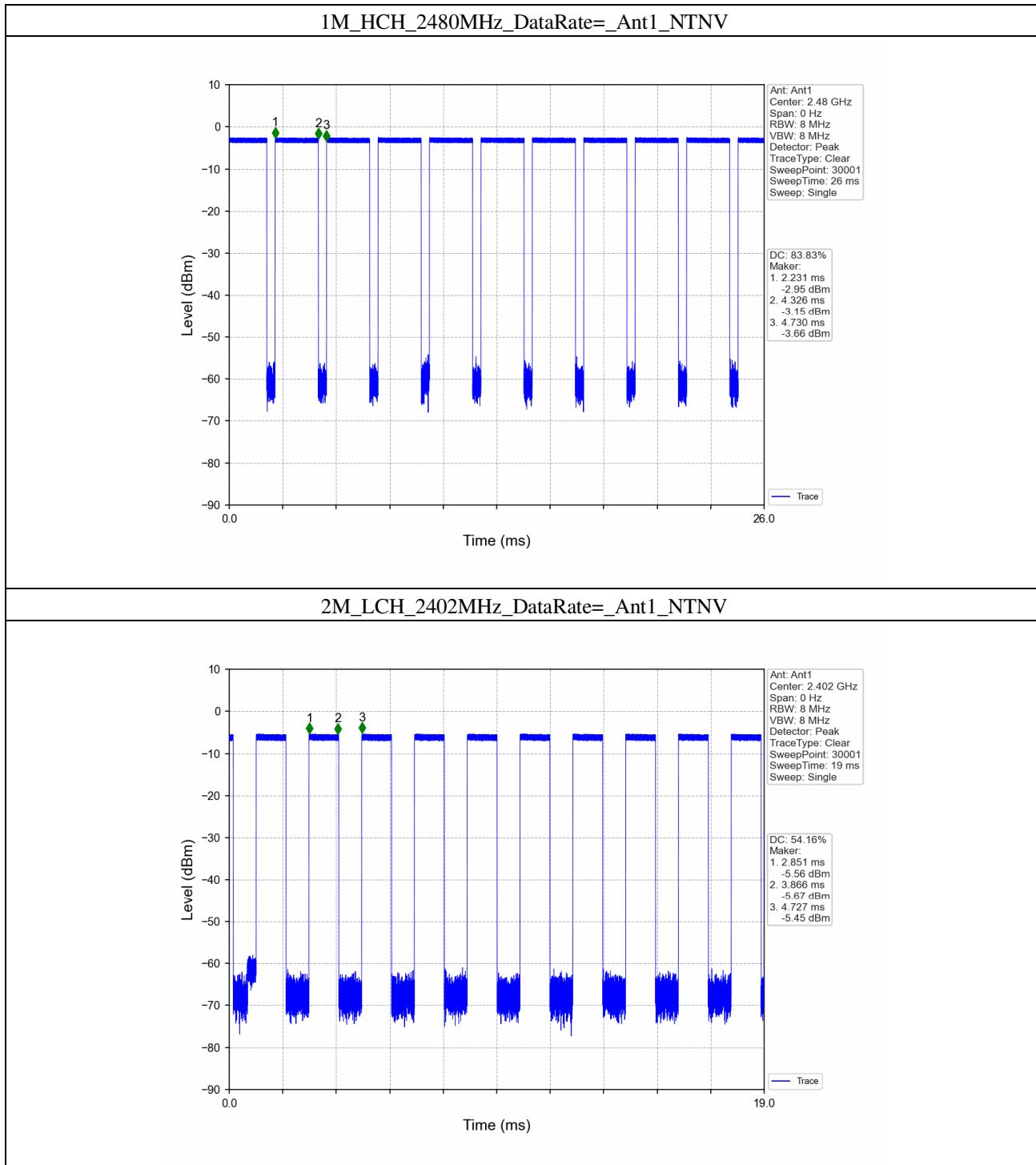


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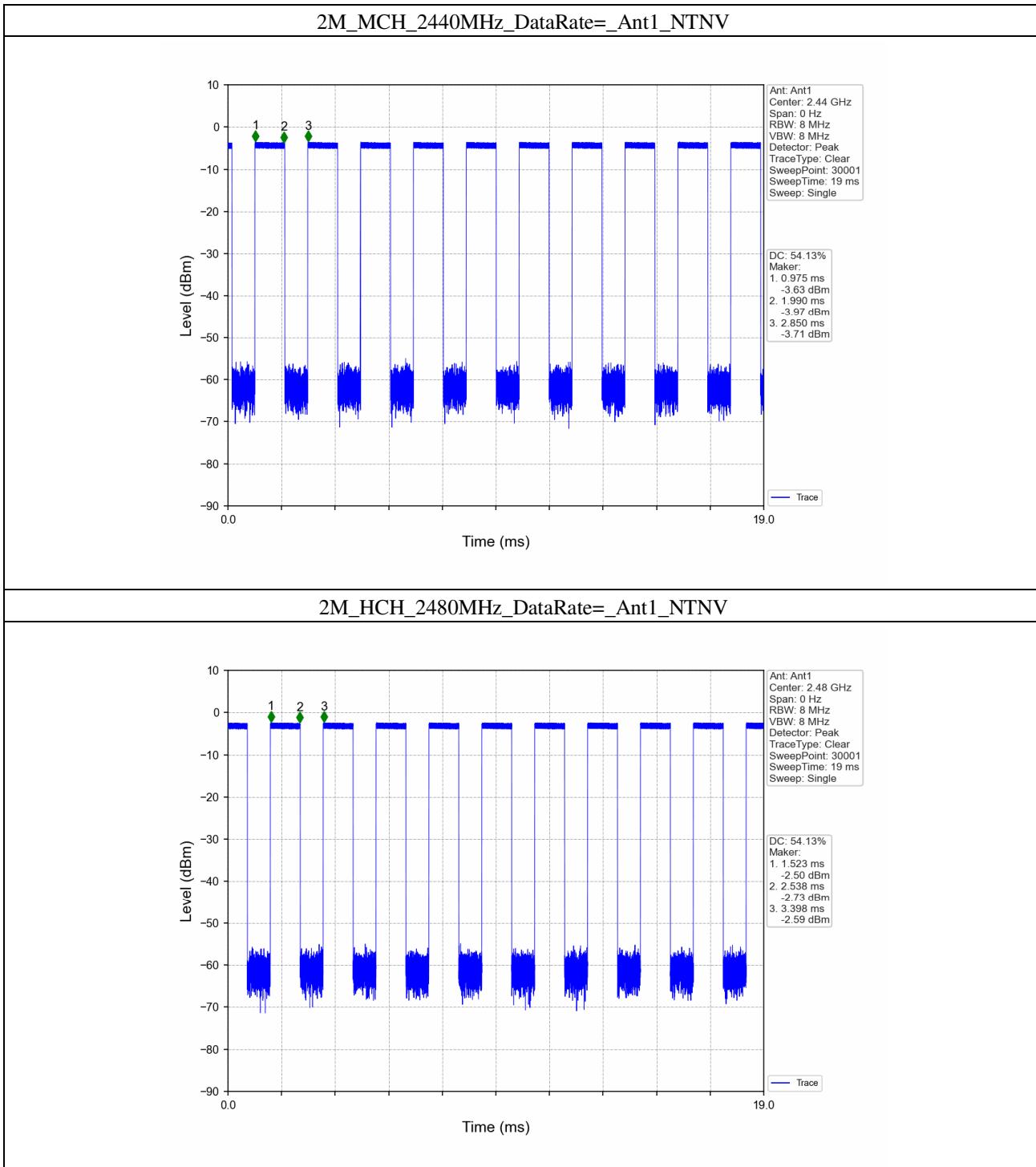
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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.029	Pass
		2440	1	1.029	Pass
		2480	1	1.030	Pass
2M	SISO	2402	1	2.045	Pass
		2440	1	2.042	Pass
		2480	1	2.045	Pass

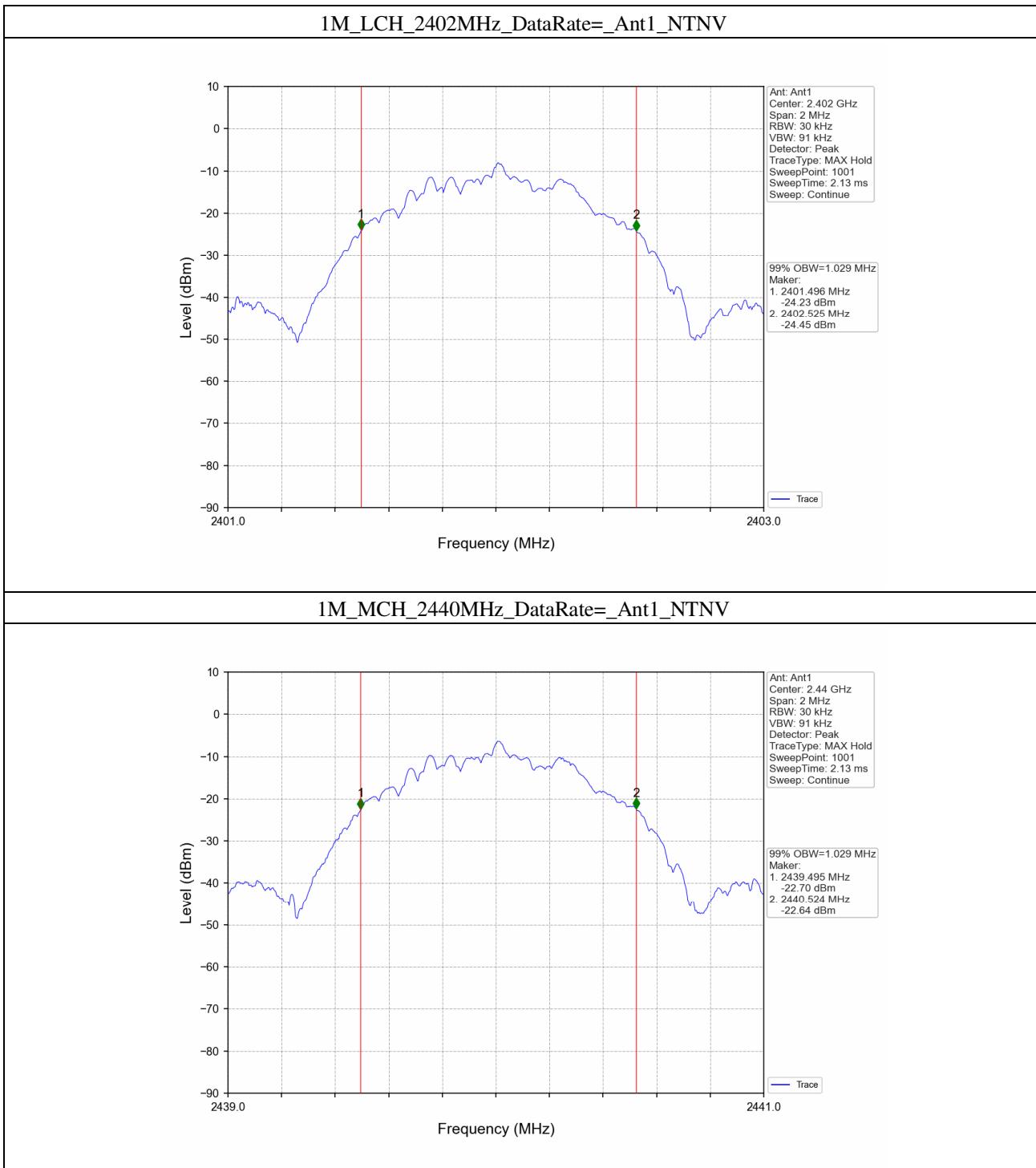
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### 2.1.2 Test Graph

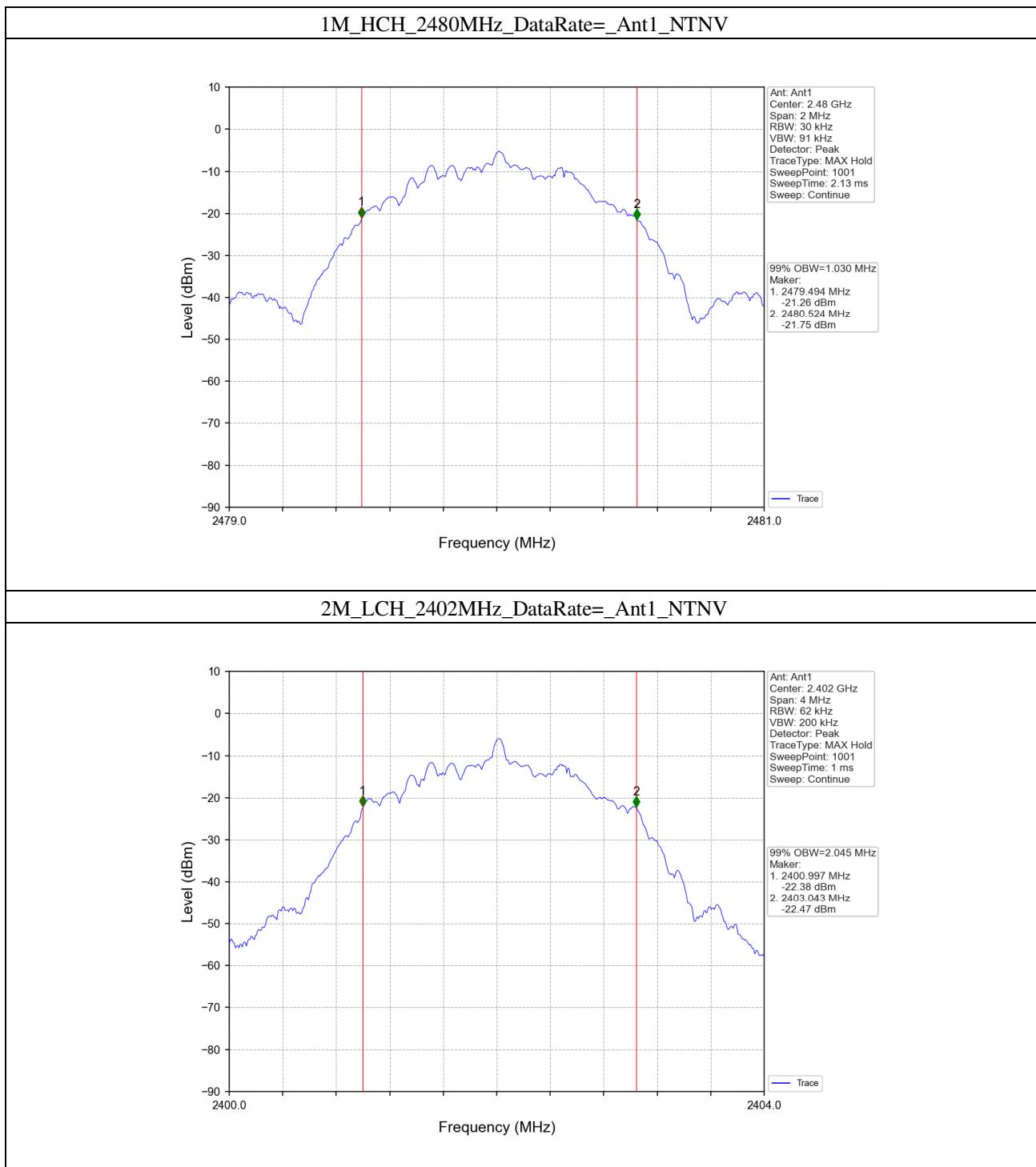


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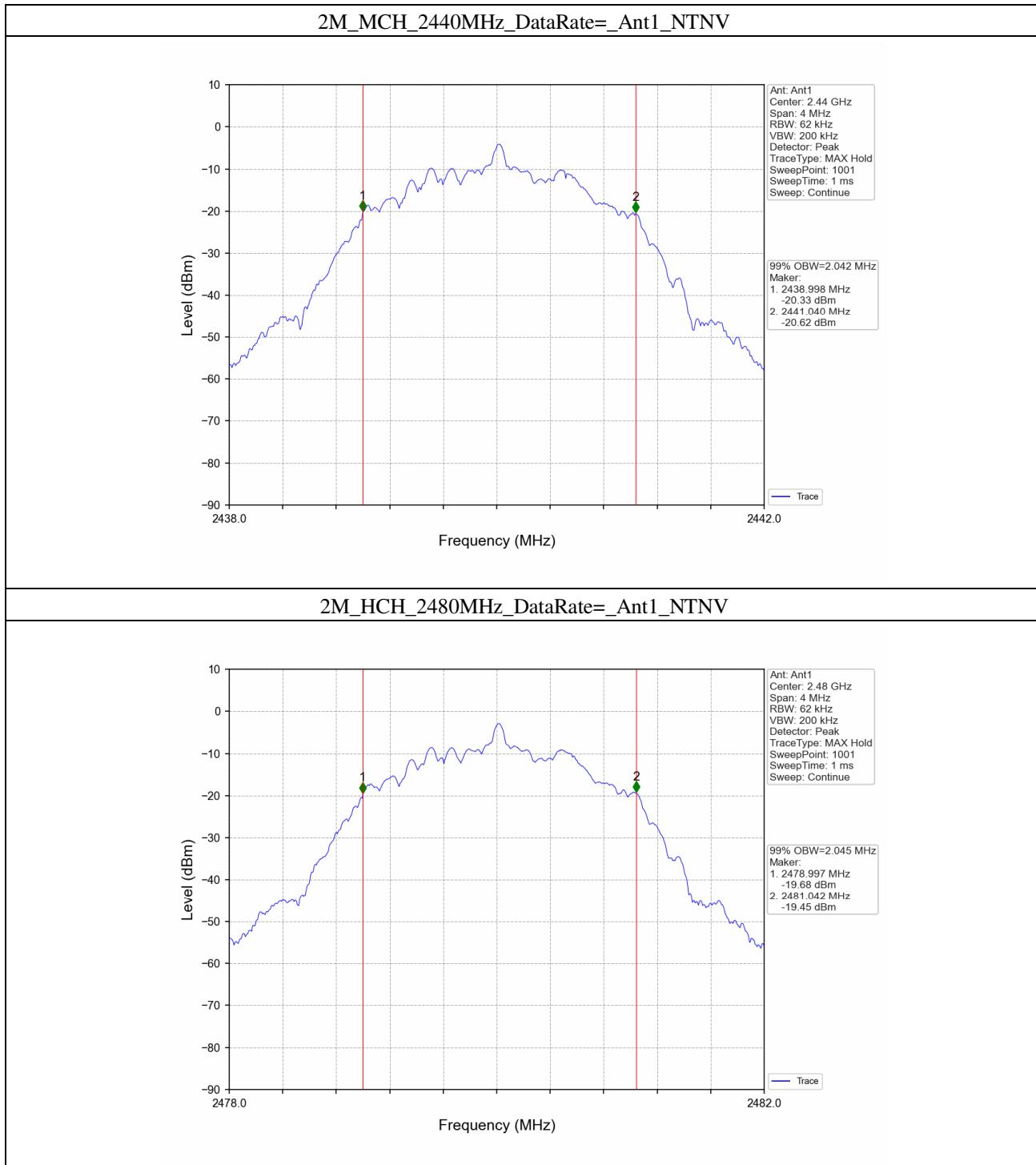


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**2.2 6dB BW****2.2.1 Test Result**

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.639	>=0.5	Pass
		2440	1	0.637	>=0.5	Pass
		2480	1	0.638	>=0.5	Pass
2M	SISO	2402	1	1.112	>=0.5	Pass
		2440	1	1.115	>=0.5	Pass
		2480	1	1.103	>=0.5	Pass

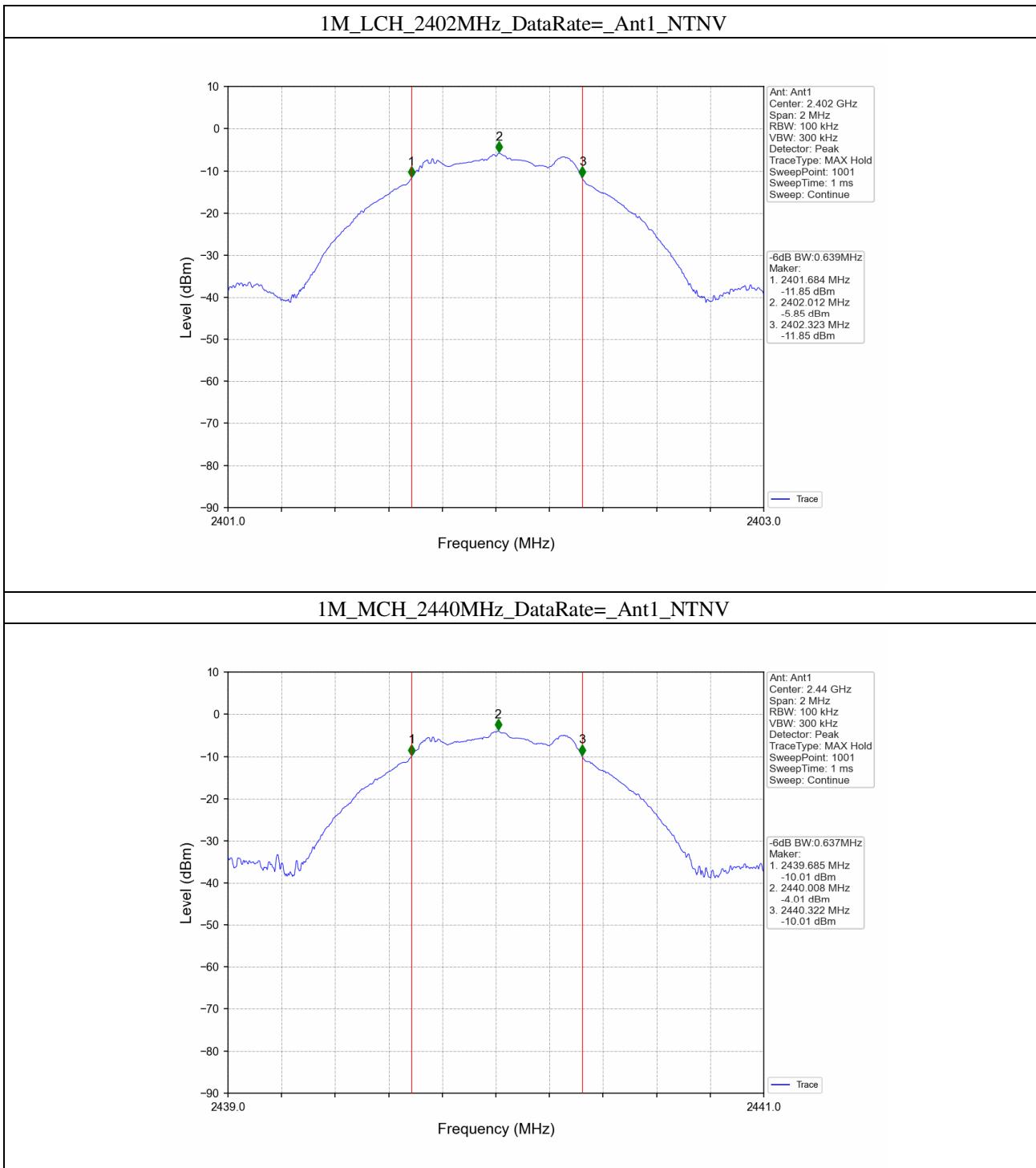
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## 2.2.2 Test Graph

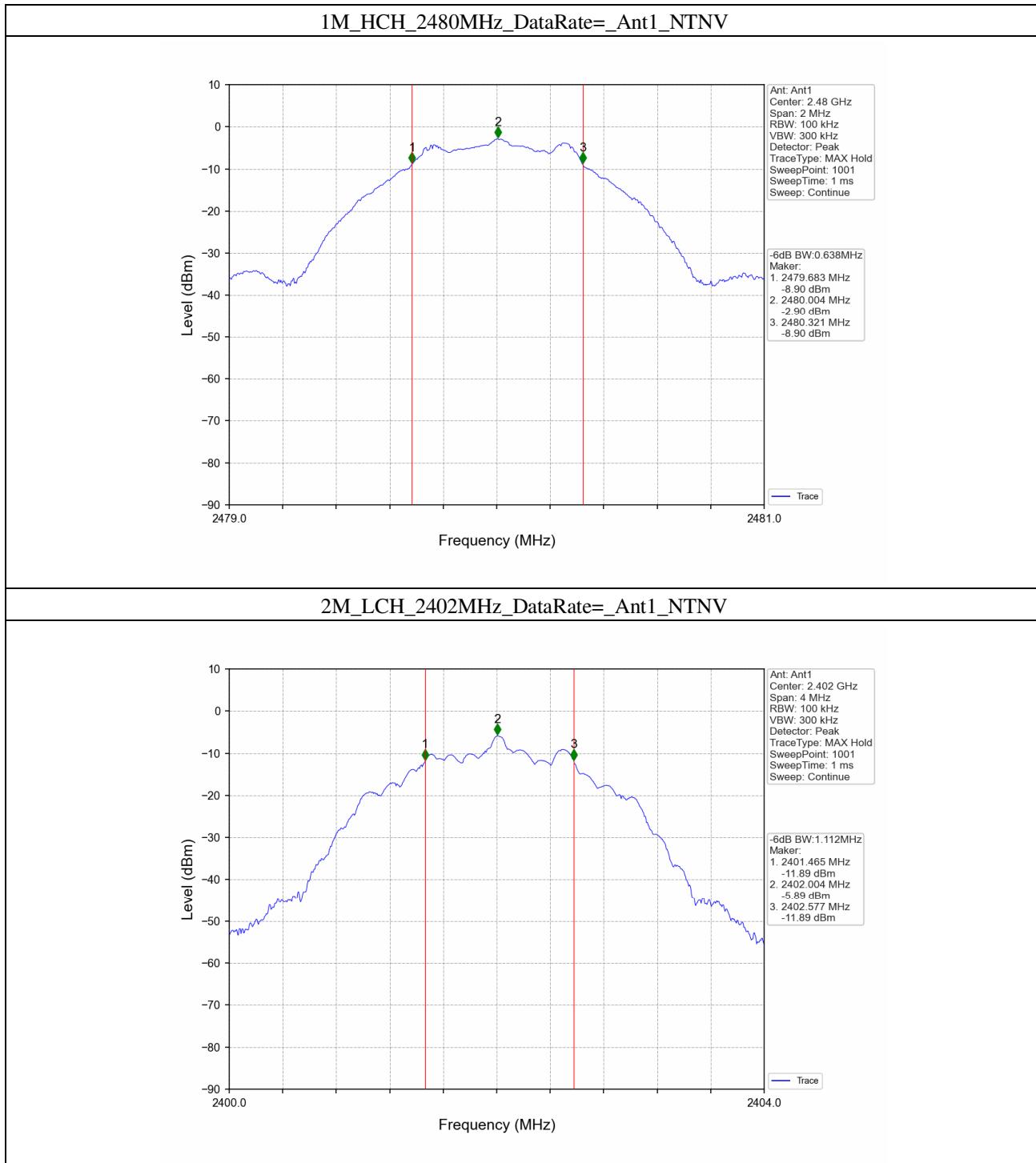


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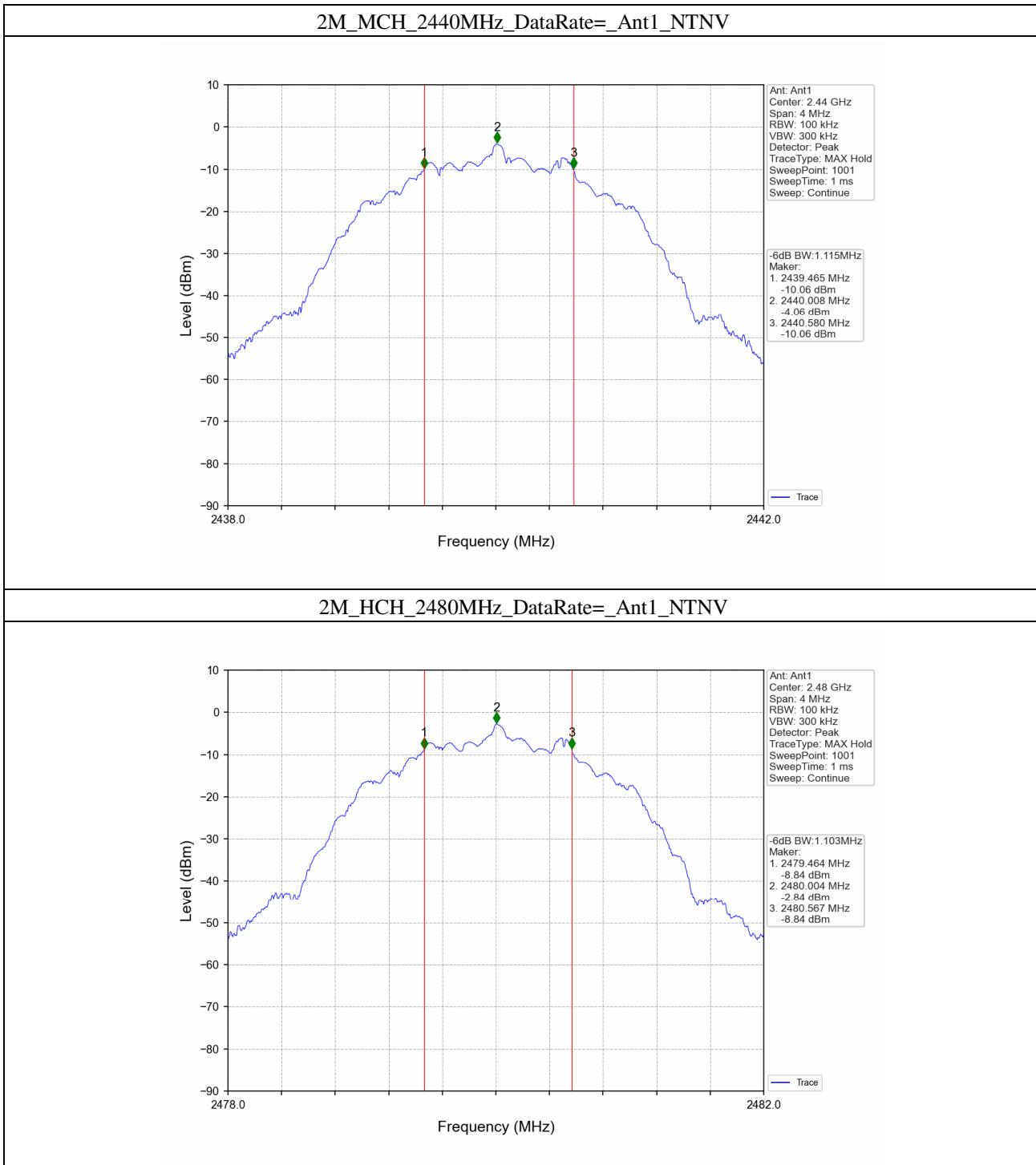


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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
1M	SISO	2402	-5.58	<=30	Pass
		2440	-3.73	<=30	Pass
		2480	-2.80	<=30	Pass
2M	SISO	2402	-5.58	<=30	Pass
		2440	-3.84	<=30	Pass
		2480	-2.65	<=30	Pass

Note1: Antenna Gain: Ant1: 1.00dBi;

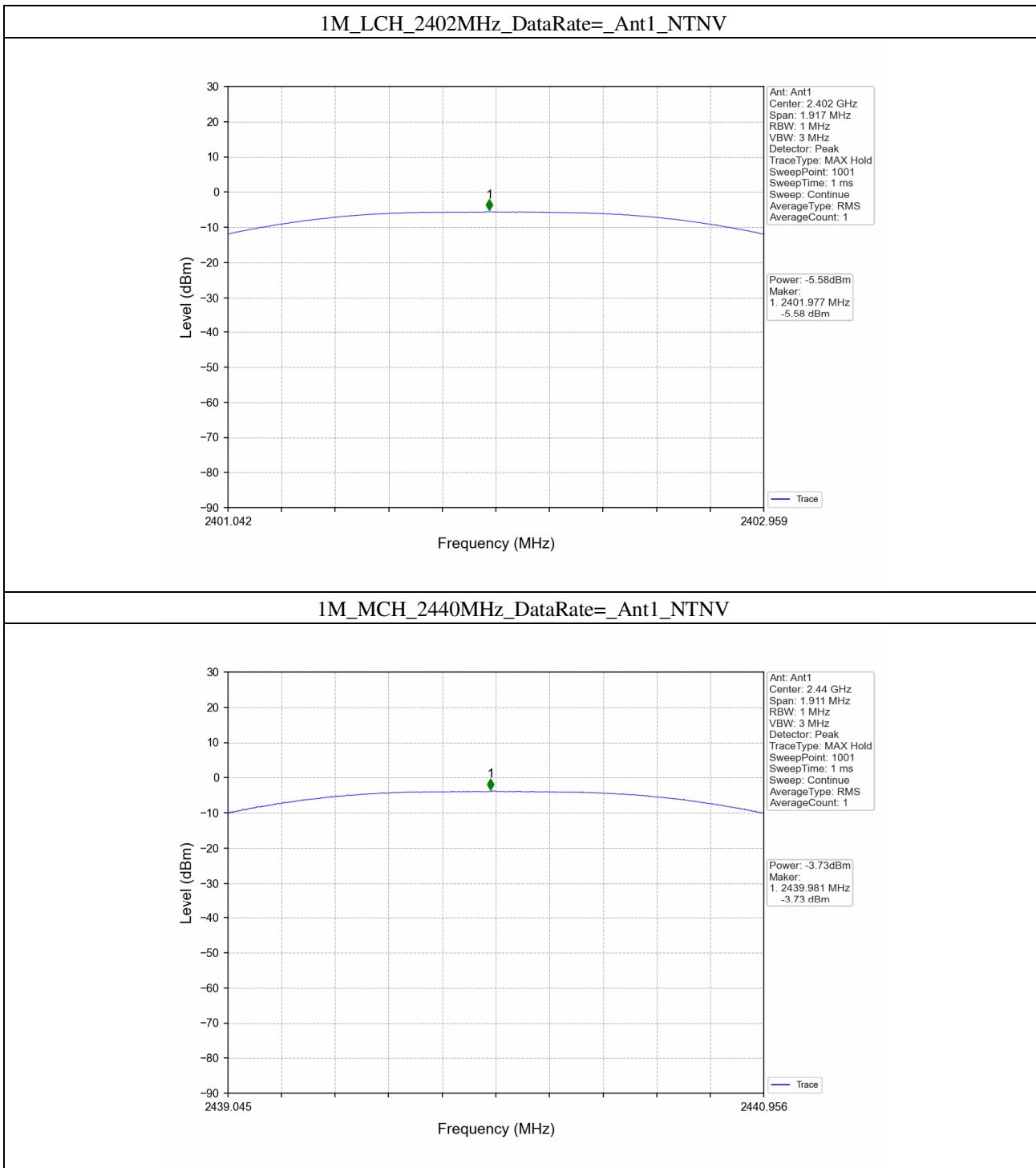
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### 3.1.2 Test Graph

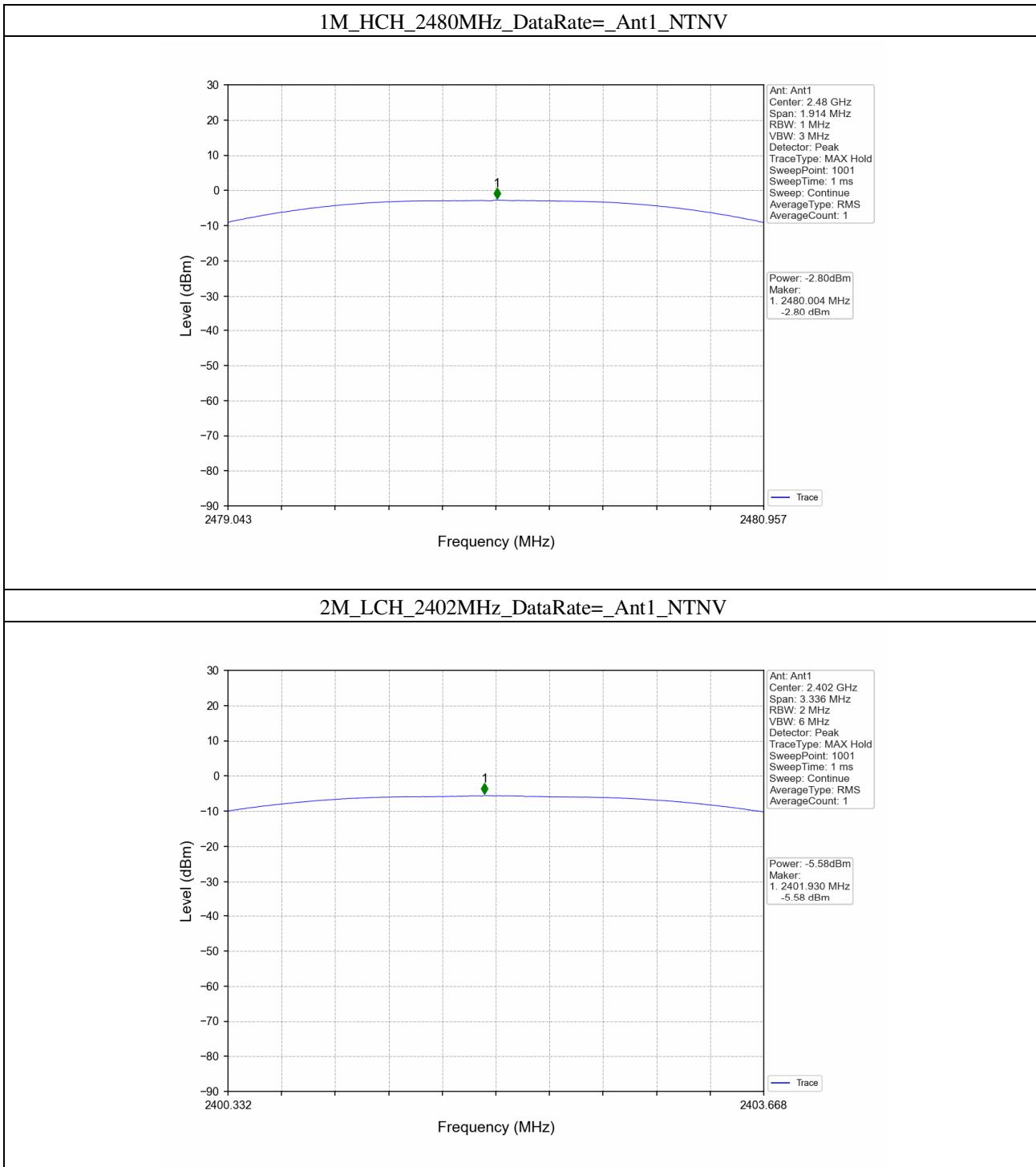


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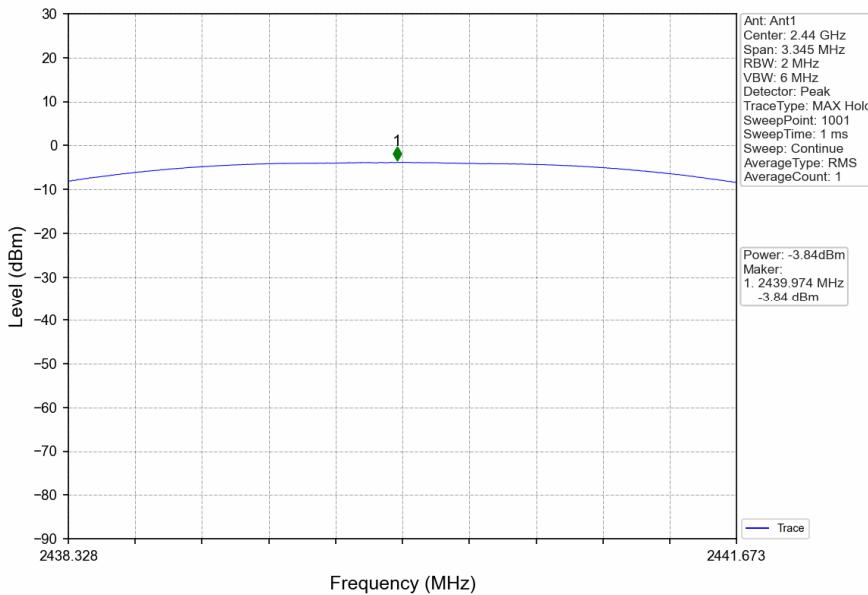
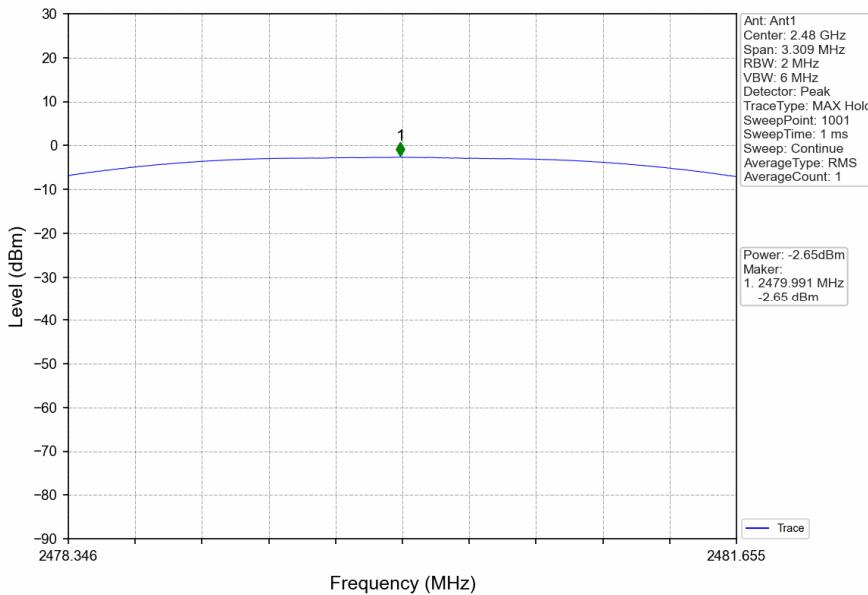


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**2M\_MCH\_2440MHz\_DataRate=\_Ant1\_NTNV****2M\_HCH\_2480MHz\_DataRate=\_Ant1\_NTNV**

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## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1M	SISO	2402	-20.70	<=8	Pass
		2440	-18.91	<=8	Pass
		2480	-17.89	<=8	Pass
2M	SISO	2402	-23.04	<=8	Pass
		2440	-21.09	<=8	Pass
		2480	-19.79	<=8	Pass

Note1: Antenna Gain: Ant1: 1.00dBi;

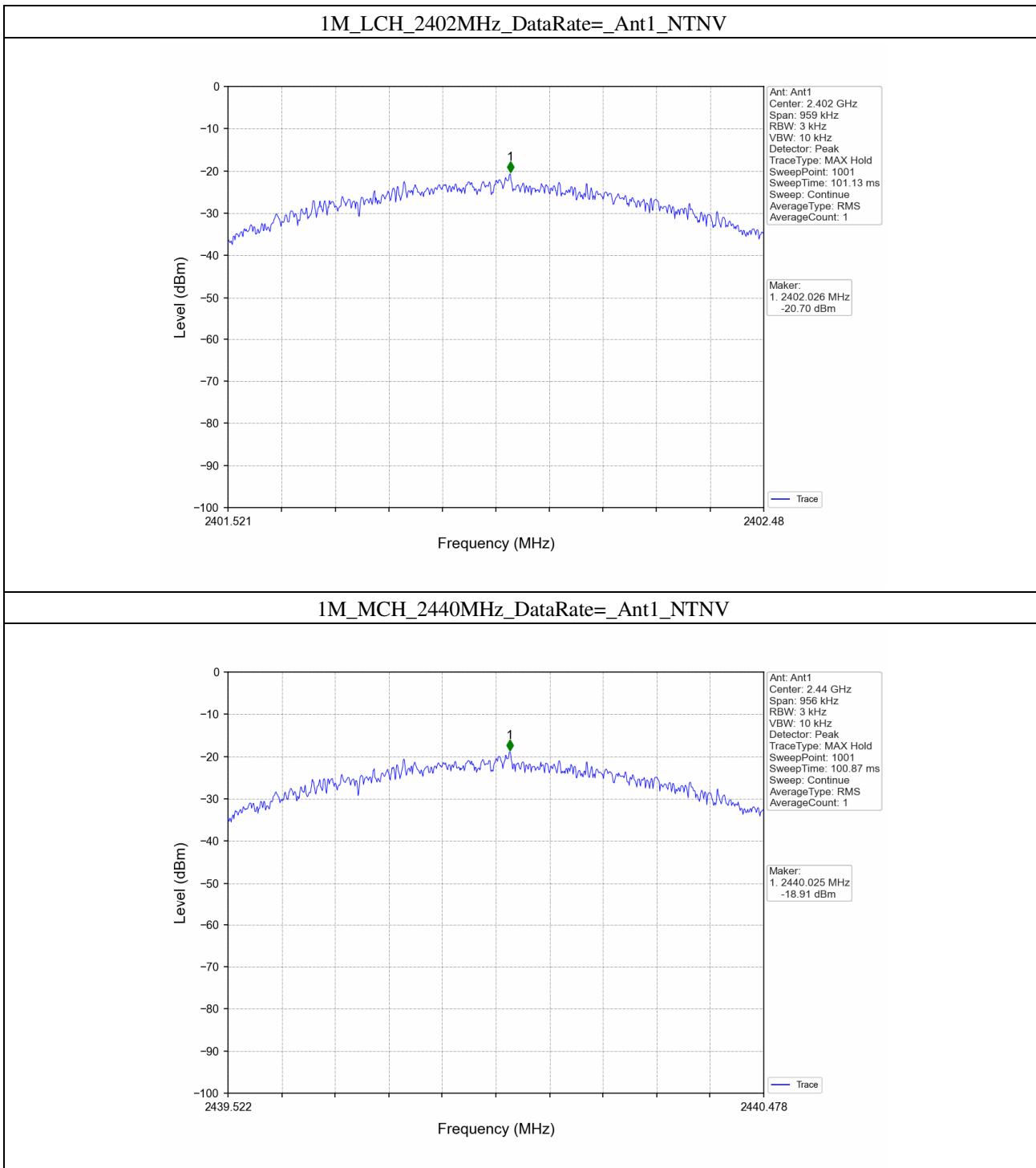
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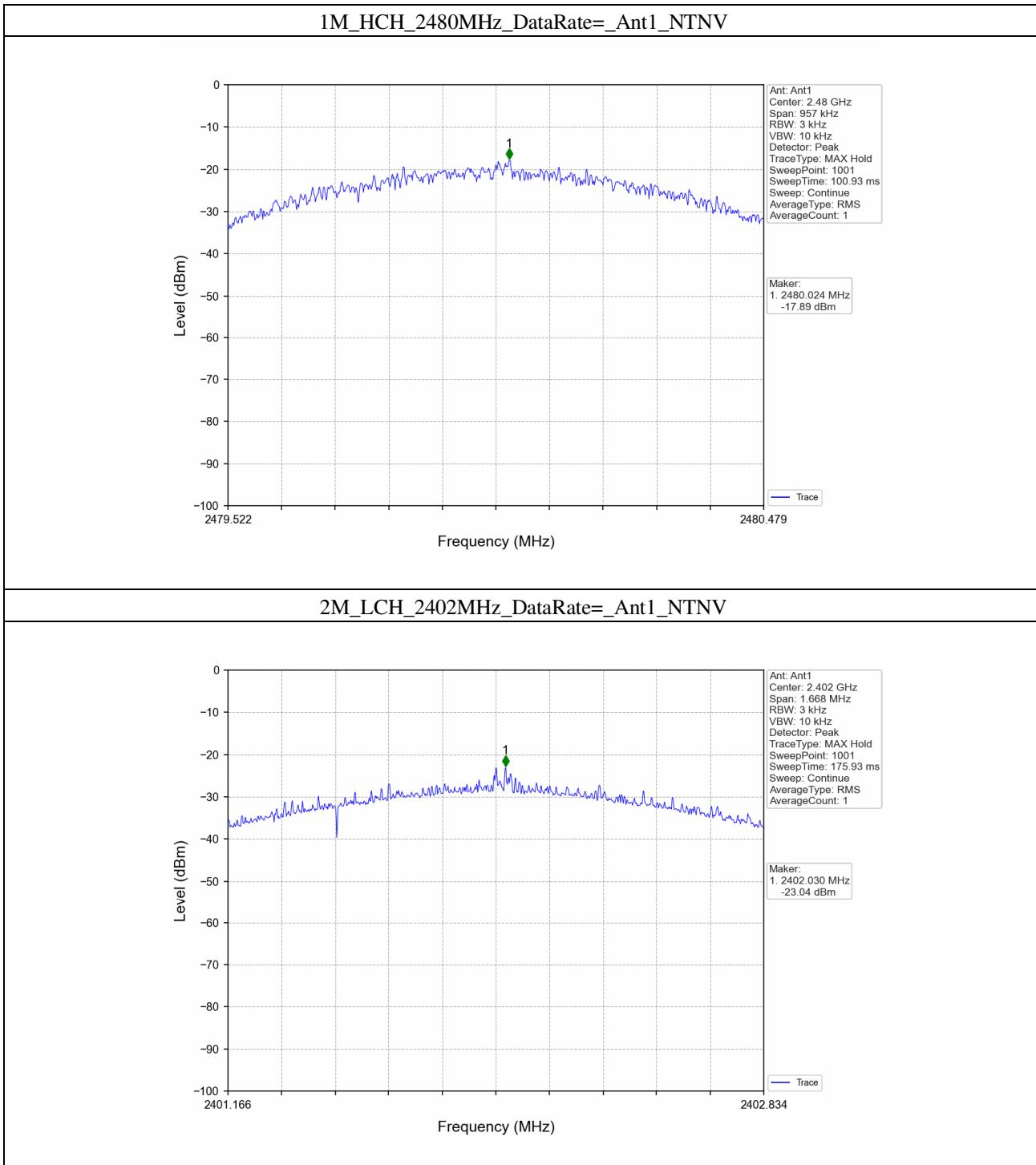
#### 4.1.2 Test Graph



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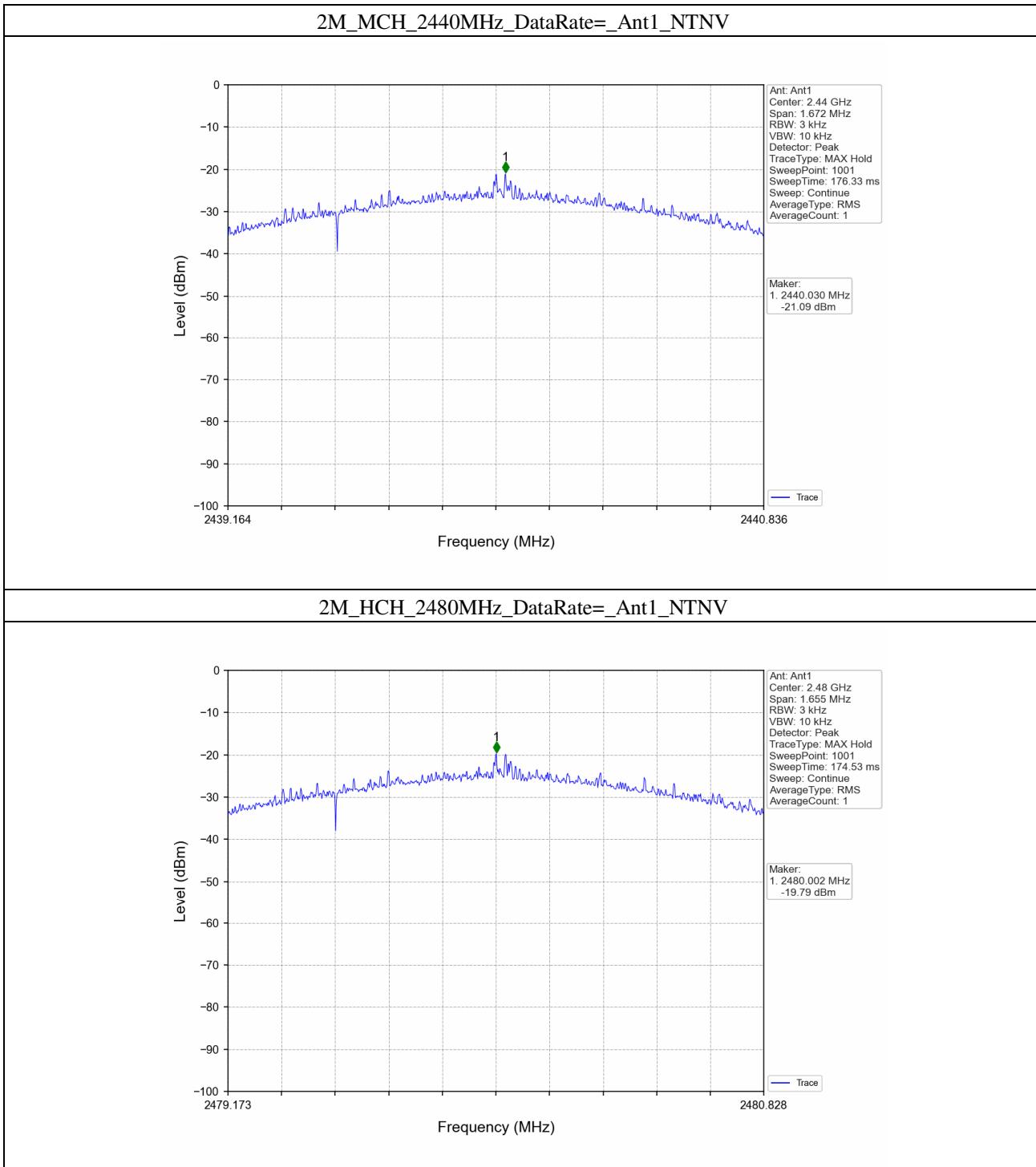


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## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
1M	SISO	2402	1	-5.82
		2440	1	-4.04
		2480	1	-2.96
2M	SISO	2402	1	-5.85
		2440	1	-3.99
		2480	1	-2.87

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

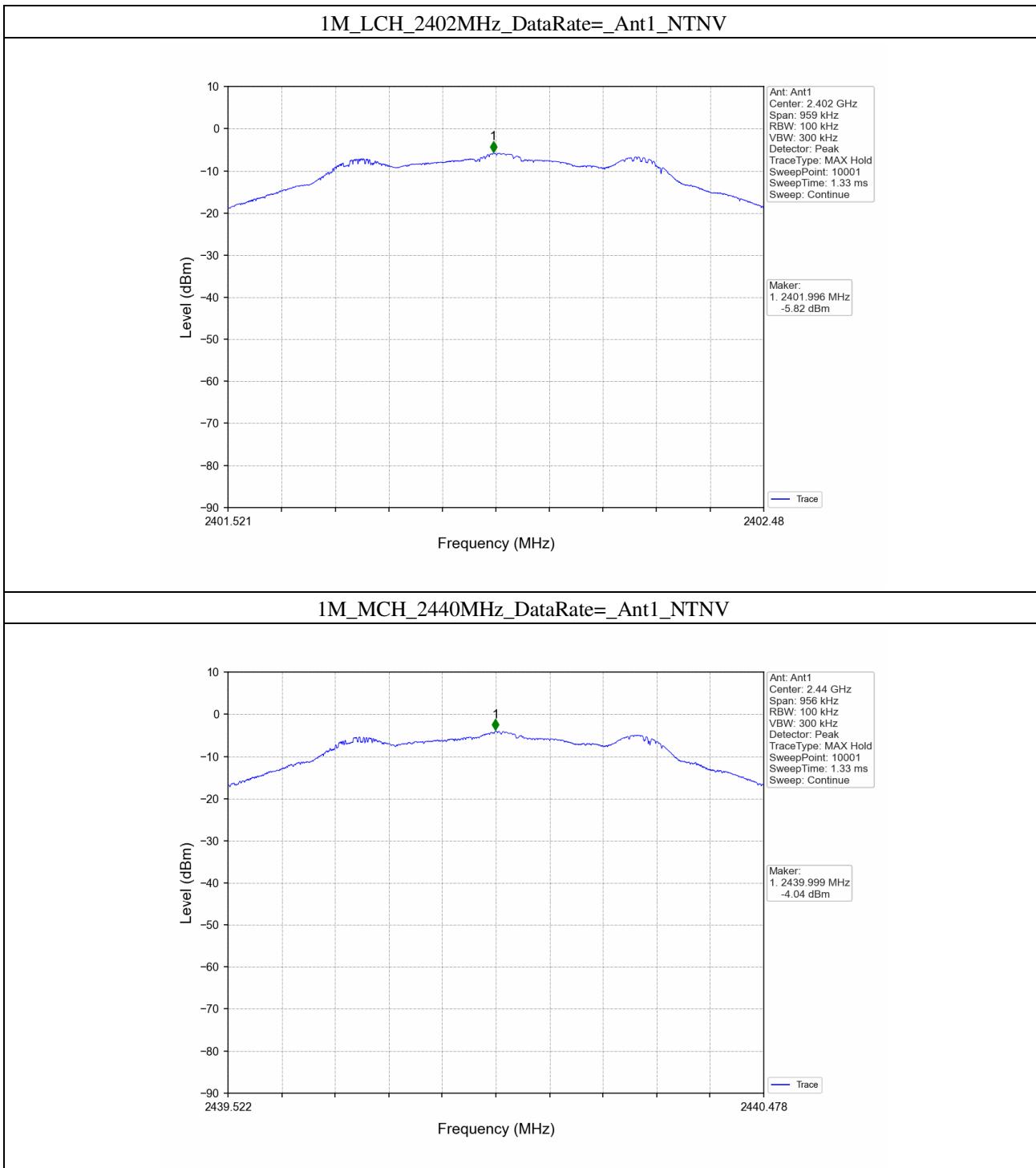
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### 5.1.2 Test Graph

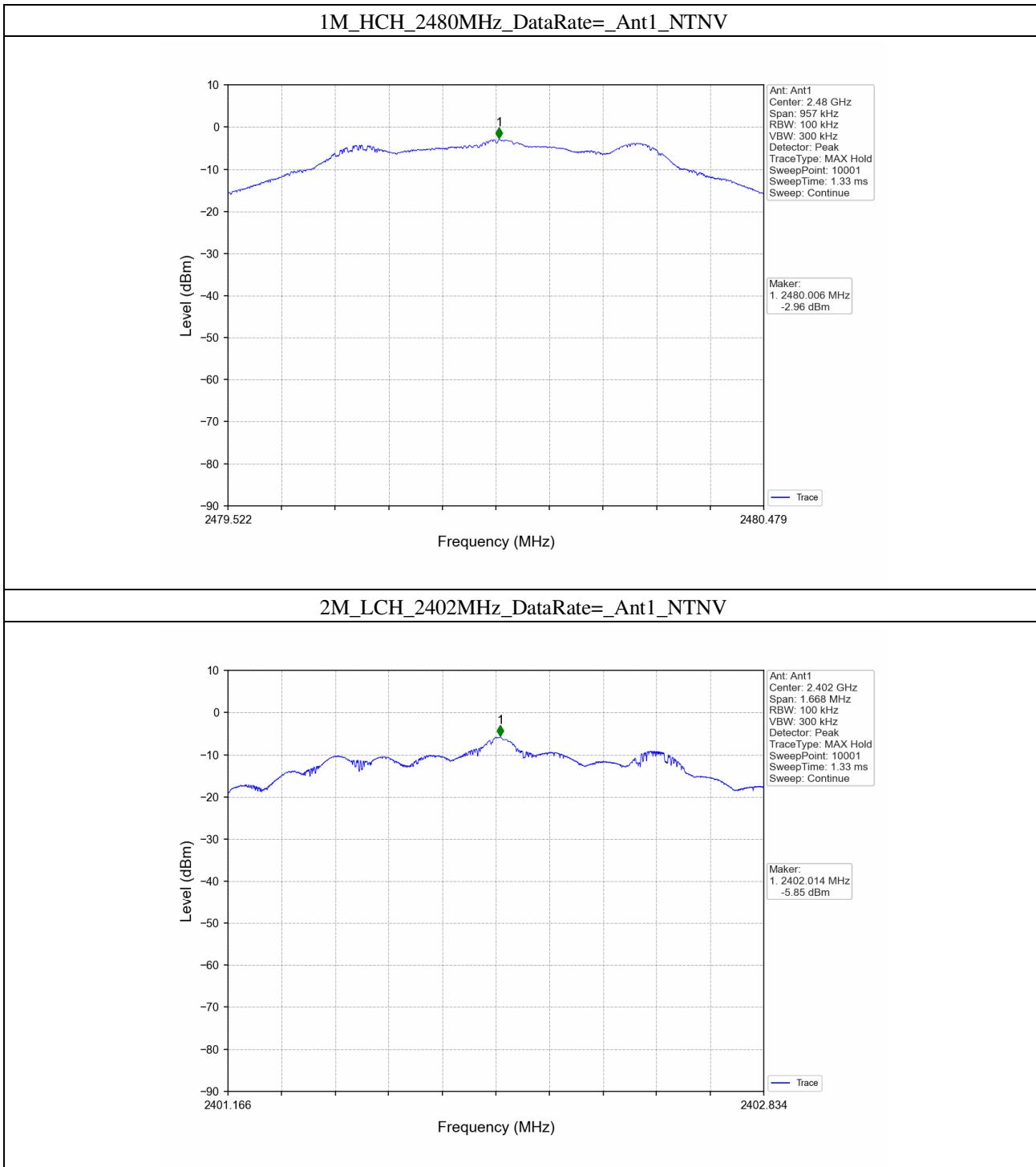


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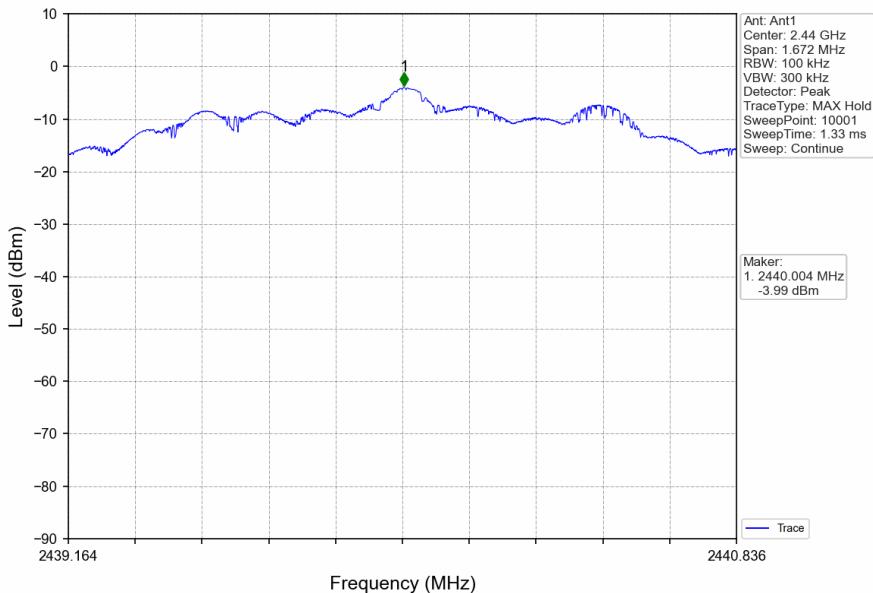
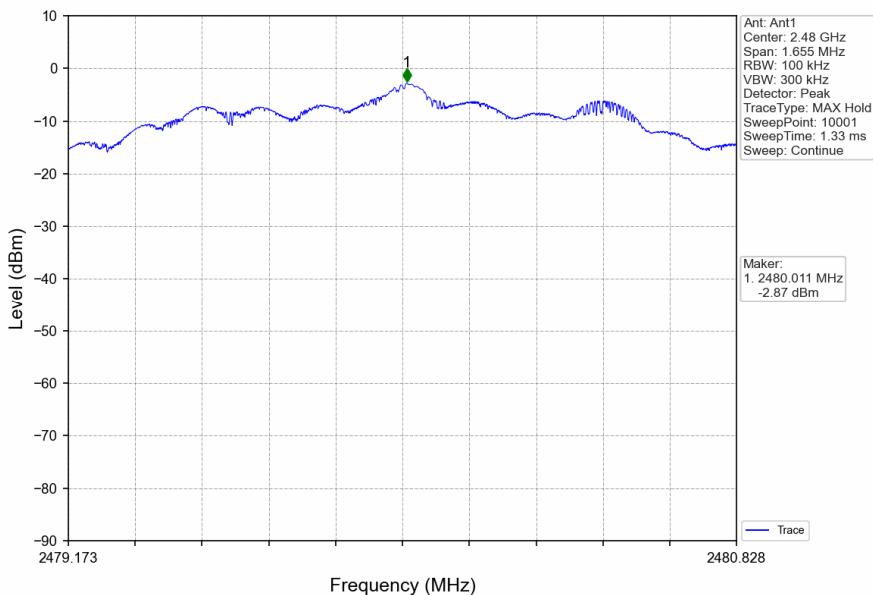


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**5.2 CSE****5.2.1 Test Result**

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.96	-22.96	Pass
		2440	1	-2.96	-22.96	Pass
		2480	1	-2.96	-22.96	Pass
2M	SISO	2402	1	-2.87	-22.87	Pass
		2440	1	-2.87	-22.87	Pass
		2480	1	-2.87	-22.87	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

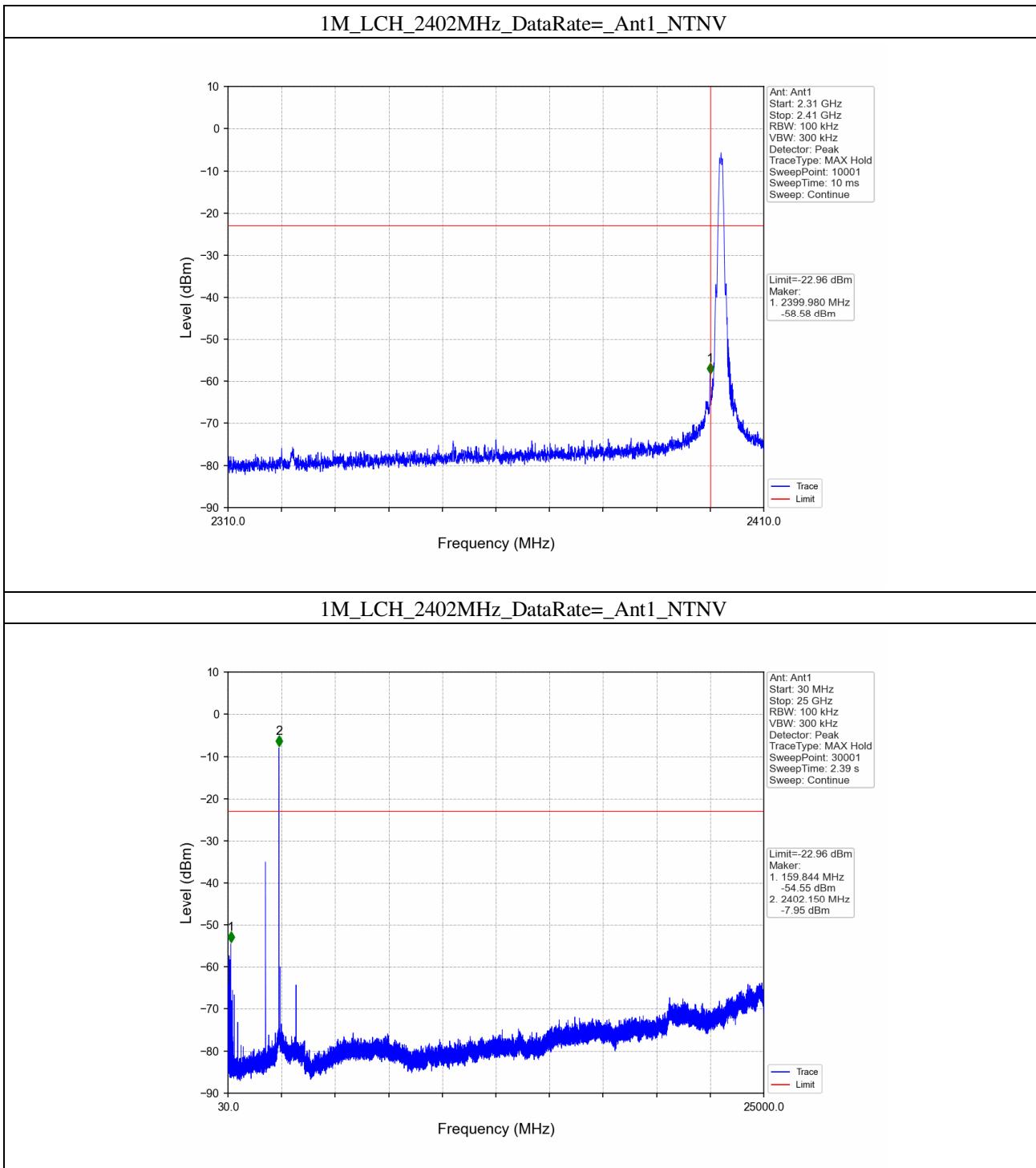
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### 5.2.2 Test Graph

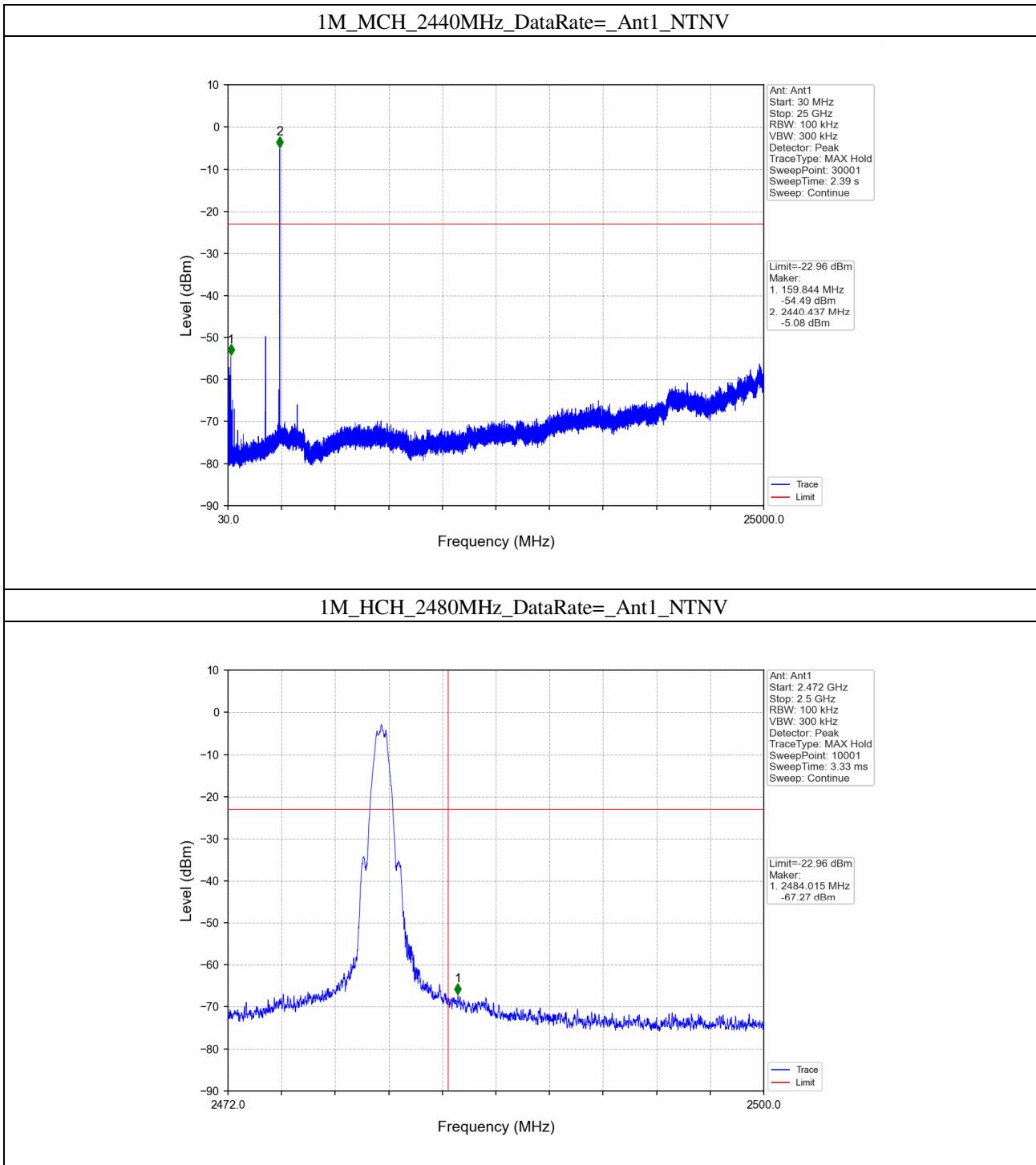


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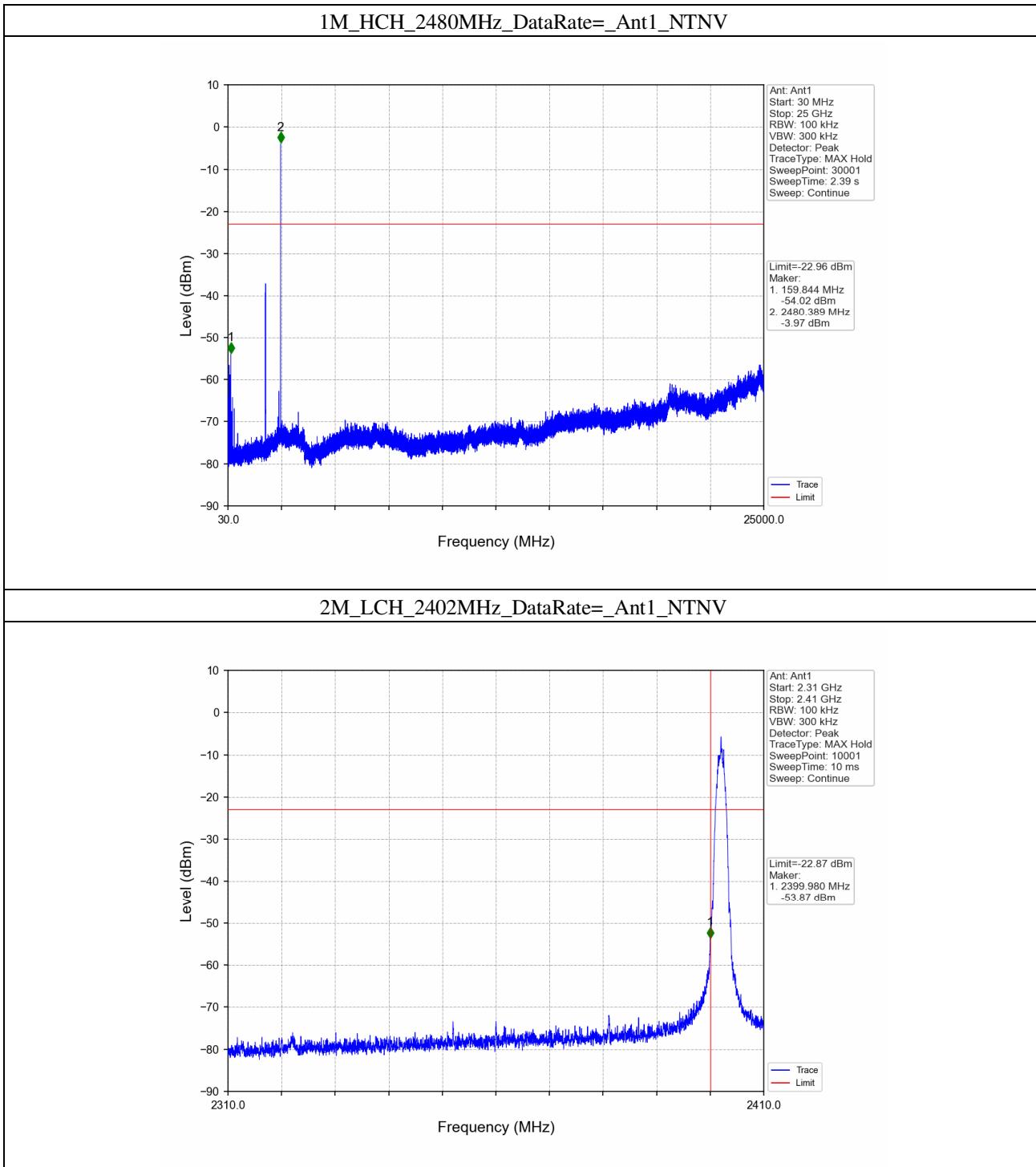
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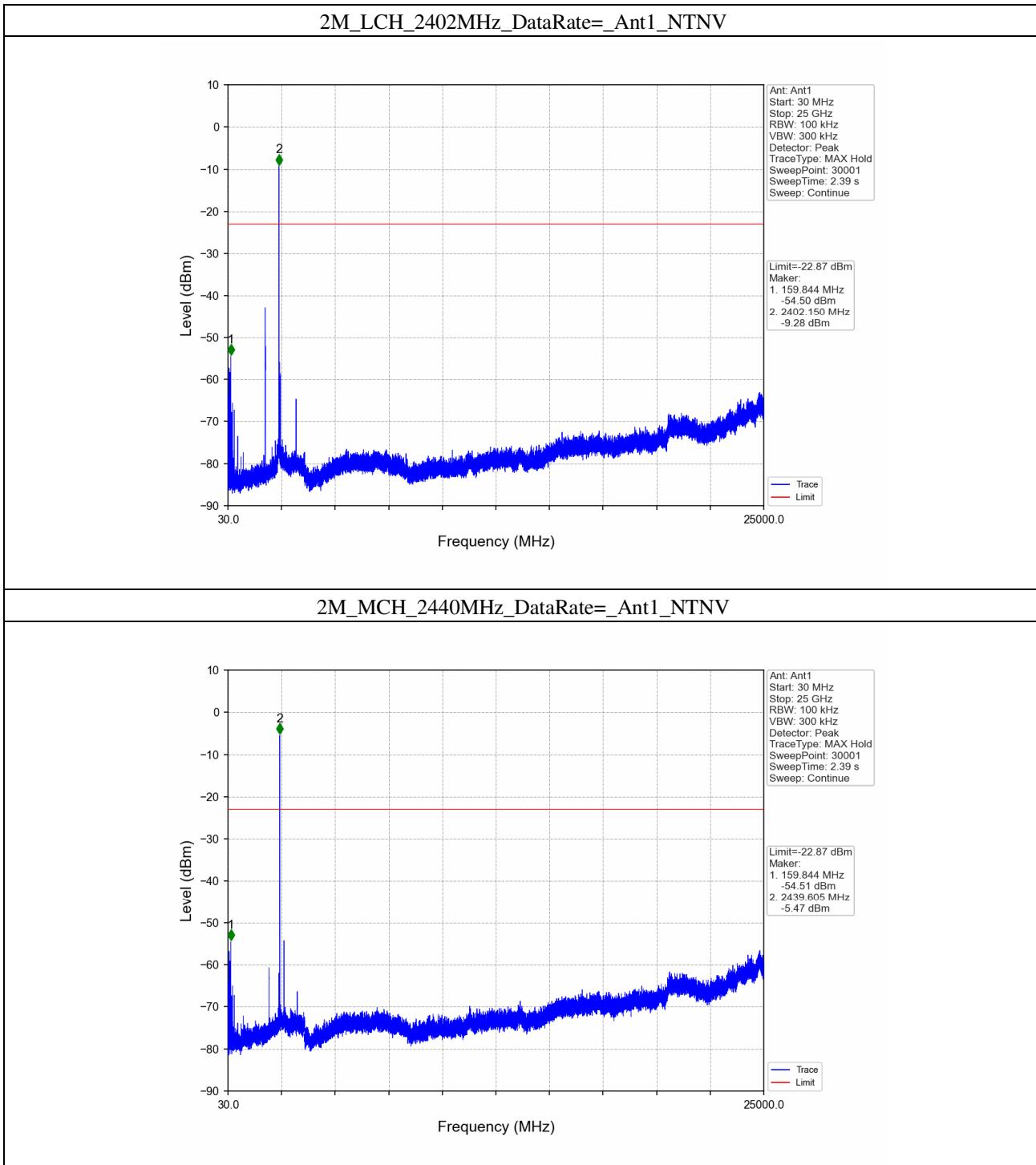


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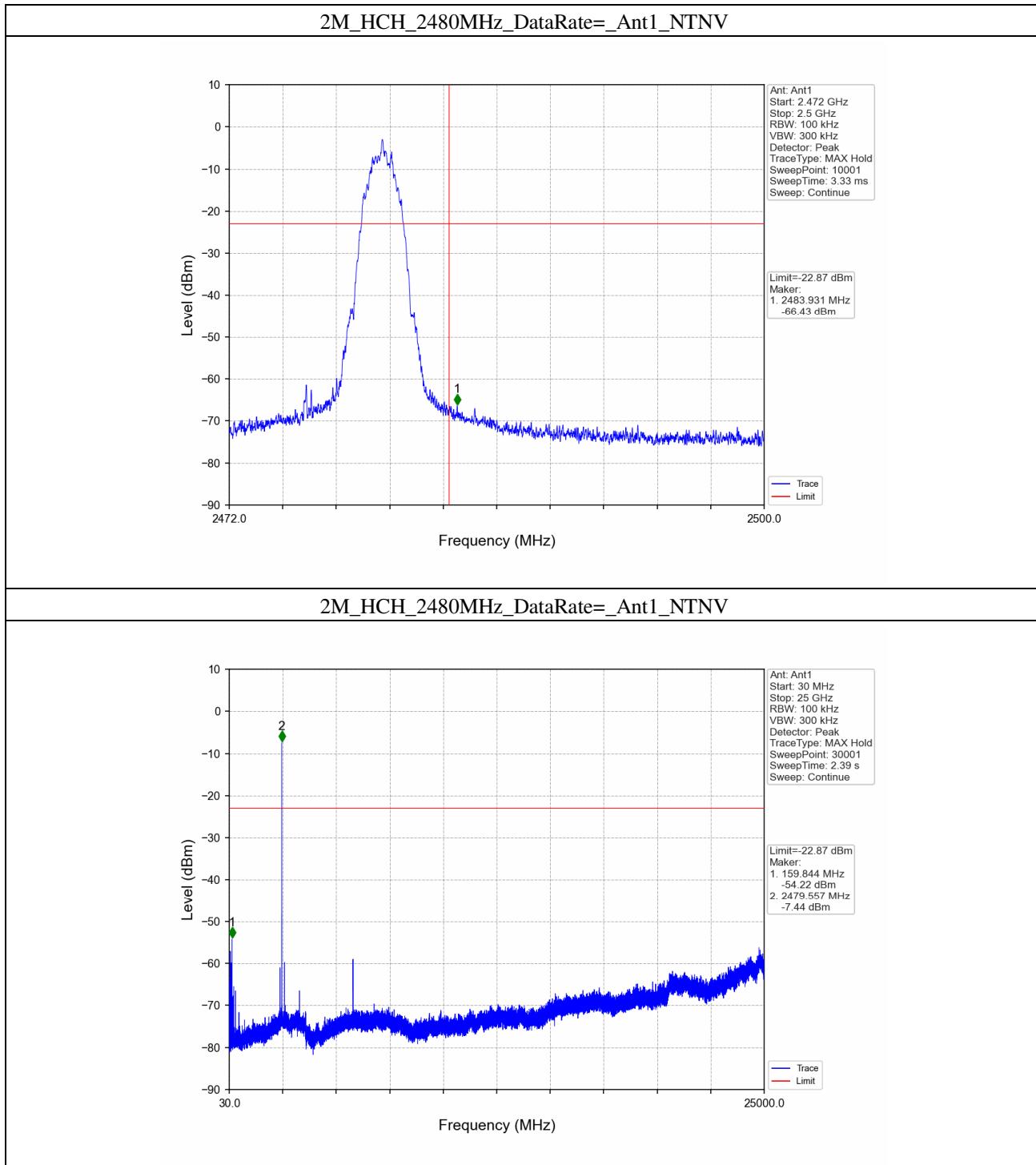


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