

1. Effective (Isotropic) Radiated Power Output Data

1.1 B13_5MHz_ERP

1.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	779.5	1	0	23.10	-3.6	17.35	<=34.77	Pass		
			13	23.00	-3.6	17.25	<=34.77	Pass		
			24	22.89	-3.6	17.14	<=34.77	Pass		
		12	0	22.03	-3.6	16.28	<=34.77	Pass		
			6	22.07	-3.6	16.32	<=34.77	Pass		
			13	21.85	-3.6	16.1	<=34.77	Pass		
		25	0	21.95	-3.6	16.2	<=34.77	Pass		
		782	1	0	22.86	-3.6	17.11	<=34.77	Pass	
				13	22.97	-3.6	17.22	<=34.77	Pass	
	24			22.79	-3.6	17.04	<=34.77	Pass		
	12		0	21.73	-3.6	15.98	<=34.77	Pass		
			6	21.54	-3.6	15.79	<=34.77	Pass		
			13	21.43	-3.6	15.68	<=34.77	Pass		
	25	0	21.56	-3.6	15.81	<=34.77	Pass			
	784.5	1	0	22.39	-3.6	16.64	<=34.77	Pass		
			13	22.51	-3.6	16.76	<=34.77	Pass		
			24	22.55	-3.6	16.8	<=34.77	Pass		
		12	0	21.39	-3.6	15.64	<=34.77	Pass		
			6	21.46	-3.6	15.71	<=34.77	Pass		
			13	21.53	-3.6	15.78	<=34.77	Pass		
		25	0	21.48	-3.6	15.73	<=34.77	Pass		
		16QAM	779.5	1	0	22.68	-3.6	16.93	<=34.77	Pass
					13	22.83	-3.6	17.08	<=34.77	Pass
	24				22.81	-3.6	17.06	<=34.77	Pass	
12	0			21.92	-3.6	16.17	<=34.77	Pass		
	6			21.98	-3.6	16.23	<=34.77	Pass		
	13			21.87	-3.6	16.12	<=34.77	Pass		
25	0			21.92	-3.6	16.17	<=34.77	Pass		
782	1			0	22.98	-3.6	17.23	<=34.77	Pass	
				13	23.15	-3.6	17.4	<=34.77	Pass	
			24	22.95	-3.6	17.2	<=34.77	Pass		
	12		0	22.04	-3.6	16.29	<=34.77	Pass		
			6	22.05	-3.6	16.3	<=34.77	Pass		
			13	21.99	-3.6	16.24	<=34.77	Pass		
25	0		22.05	-3.6	16.3	<=34.77	Pass			
784.5	1		0	23.14	-3.6	17.39	<=34.77	Pass		
			13	23.15	-3.6	17.4	<=34.77	Pass		
			24	22.98	-3.6	17.23	<=34.77	Pass		
	12		0	22.00	-3.6	16.25	<=34.77	Pass		
			6	22.00	-3.6	16.25	<=34.77	Pass		
			13	21.99	-3.6	16.24	<=34.77	Pass		
	25		0	21.96	-3.6	16.21	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B13_10MHz_ERP

1.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	782	1	0	23.20	-3.6	17.45	<=34.77	Pass		
			25	23.12	-3.6	17.37	<=34.77	Pass		
			49	22.63	-3.6	16.88	<=34.77	Pass		
		25	0	21.94	-3.6	16.19	<=34.77	Pass		
			13	21.55	-3.6	15.8	<=34.77	Pass		
			25	21.72	-3.6	15.97	<=34.77	Pass		
		50	0	21.78	-3.6	16.03	<=34.77	Pass		
		16QAM	782	1	0	21.76	-3.6	16.01	<=34.77	Pass
					25	22.22	-3.6	16.47	<=34.77	Pass
49	21.65				-3.6	15.9	<=34.77	Pass		
25	0			20.99	-3.6	15.24	<=34.77	Pass		
	13			20.65	-3.6	14.9	<=34.77	Pass		
	25			20.74	-3.6	14.99	<=34.77	Pass		
50	0			20.82	-3.6	15.07	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B13_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	779.5	25	0	20	3.27	-6.108	-0.0078	-2.5 to 2.5	Pass			
					3.85	-9.484	-0.0122	-2.5 to 2.5	Pass			
					4.43	-9.012	-0.0116	-2.5 to 2.5	Pass			
				-30	3.85	-4.964	-0.0064	-2.5 to 2.5	Pass			
					-20	3.85	-4.878	-0.0063	-2.5 to 2.5	Pass		
						3.85	-6.824	-0.0088	-2.5 to 2.5	Pass		
				0	3.85	-9.599	-0.0123	-2.5 to 2.5	Pass			
					3.85	-5.765	-0.0074	-2.5 to 2.5	Pass			
				30	3.85	-11.787	-0.0151	-2.5 to 2.5	Pass			
					3.85	-8.197	-0.0105	-2.5 to 2.5	Pass			
				50	3.85	-8.569	-0.0110	-2.5 to 2.5	Pass			
				782	25	0	20	3.27	-4.892	-0.0063	-2.5 to 2.5	Pass
								3.85	-8.626	-0.0110	-2.5 to 2.5	Pass
								4.43	-8.426	-0.0108	-2.5 to 2.5	Pass
							-30	3.85	-8.612	-0.0110	-2.5 to 2.5	Pass
	-20	3.85	-5.193					-0.0066	-2.5 to 2.5	Pass		
		3.85	-3.476					-0.0044	-2.5 to 2.5	Pass		
	0	3.85	-7.854				-0.0100	-2.5 to 2.5	Pass			
		3.85	-7.896				-0.0101	-2.5 to 2.5	Pass			
	30	3.85	-5.507				-0.0070	-2.5 to 2.5	Pass			
		3.85	-10.886				-0.0139	-2.5 to 2.5	Pass			
	50	3.85	-11.773				-0.0151	-2.5 to 2.5	Pass			
	784.5	25	0				20	3.27	-7.038	-0.0090	-2.5 to 2.5	Pass
				3.85	-7.310	-0.0093		-2.5 to 2.5	Pass			

					4.43	-5.021	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-8.612	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0064	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.27	-4.821	-0.0062	-2.5 to 2.5	Pass
					3.85	-7.954	-0.0102	-2.5 to 2.5	Pass
					4.43	-7.882	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-10.586	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	-8.912	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-4.463	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-5.064	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-7.653	-0.0098	-2.5 to 2.5	Pass
	50	3.85	-9.270	-0.0119	-2.5 to 2.5	Pass			
	782	25	0	20	3.27	-13.247	-0.0169	-2.5 to 2.5	Pass
					3.85	-8.683	-0.0111	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0041	-2.5 to 2.5	Pass
	50	3.85	-4.392	-0.0056	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.27	-4.635	-0.0059	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0083	-2.5 to 2.5	Pass
					4.43	-6.566	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-2.689	-0.0034	-2.5 to 2.5	Pass
30				3.85	-2.747	-0.0035	-2.5 to 2.5	Pass	
40				3.85	-2.718	-0.0035	-2.5 to 2.5	Pass	
50	3.85	-3.619	-0.0046	-2.5 to 2.5	Pass				

2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	782	50	0	20	3.27	-7.582	-0.0097	-2.5 to 2.5	Pass	
					3.85	-5.493	-0.0070	-2.5 to 2.5	Pass	
					4.43	-5.937	-0.0076	-2.5 to 2.5	Pass	
					-30	3.85	-4.907	-0.0063	-2.5 to 2.5	Pass
					-20	3.85	-8.984	-0.0115	-2.5 to 2.5	Pass

				-10	3.85	-6.709	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-5.336	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0081	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.27	-5.579	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.137	-0.0078	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-7.310	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-4.306	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-7.367	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-6.838	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-7.539	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0082	-2.5 to 2.5	Pass
50	3.85	-5.779	-0.0074	-2.5 to 2.5	Pass				

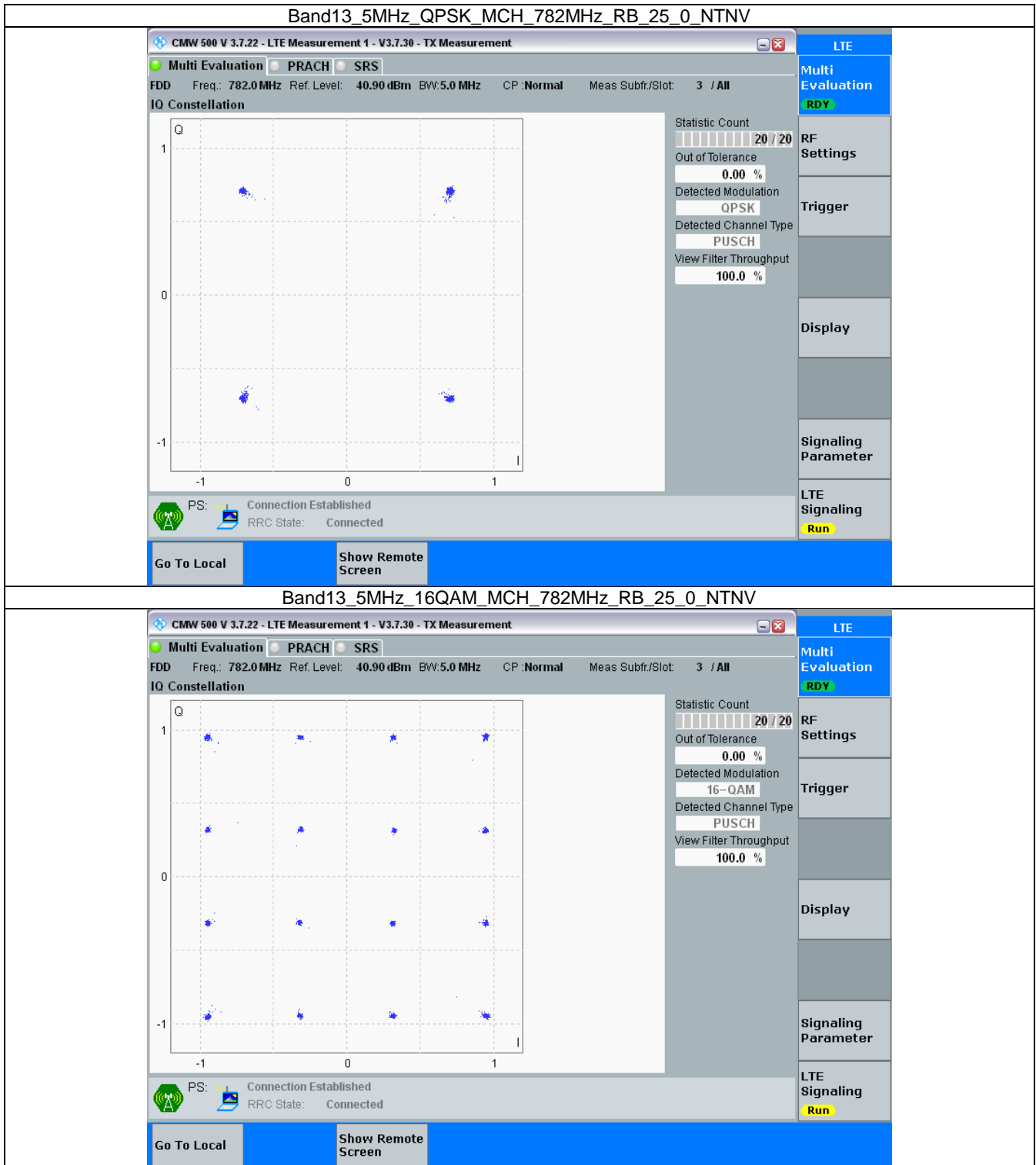
3. Modulation Characteristics

3.1 B13_5MHz

3.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

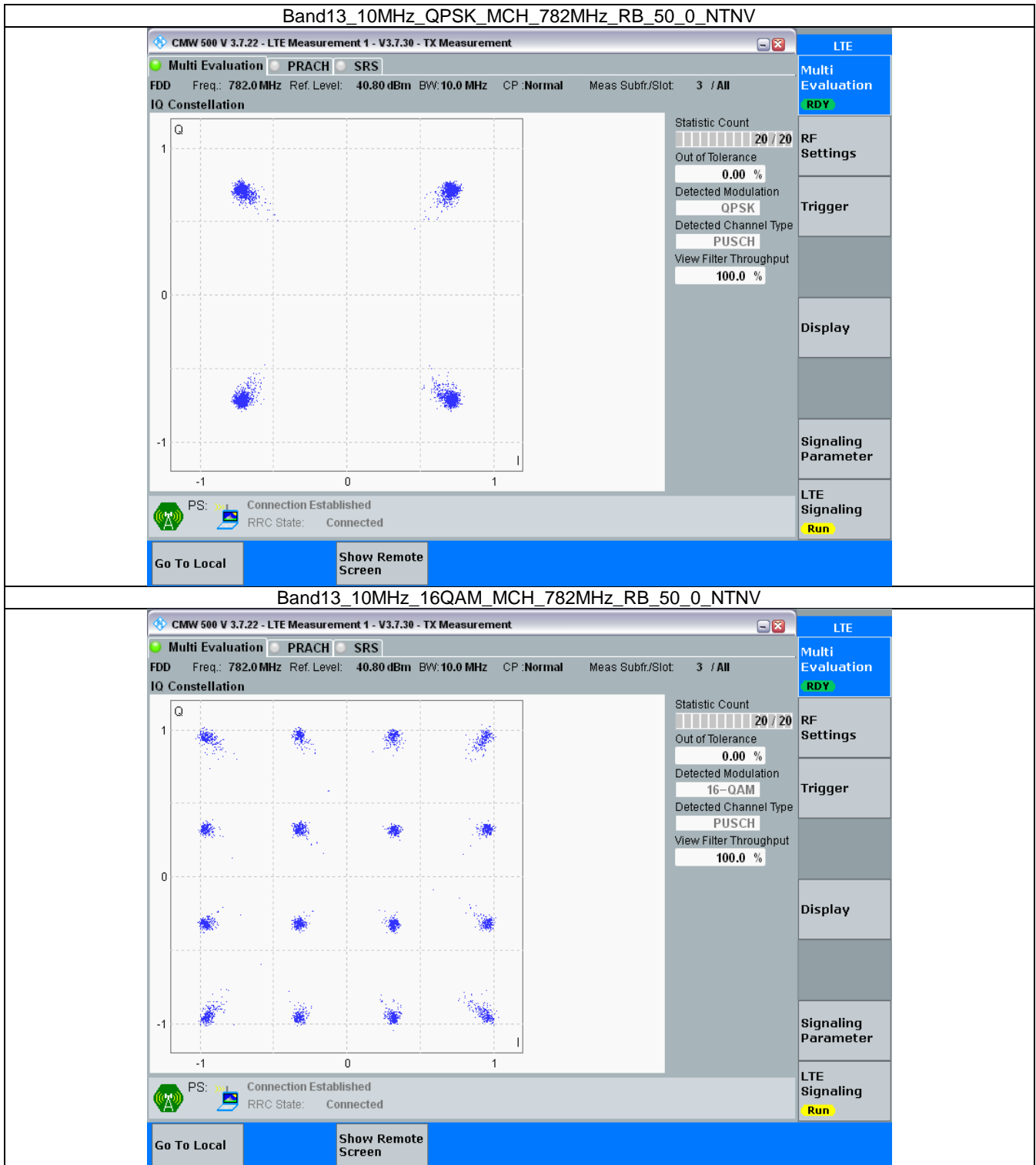


3.2 B13_10MHz

3.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph



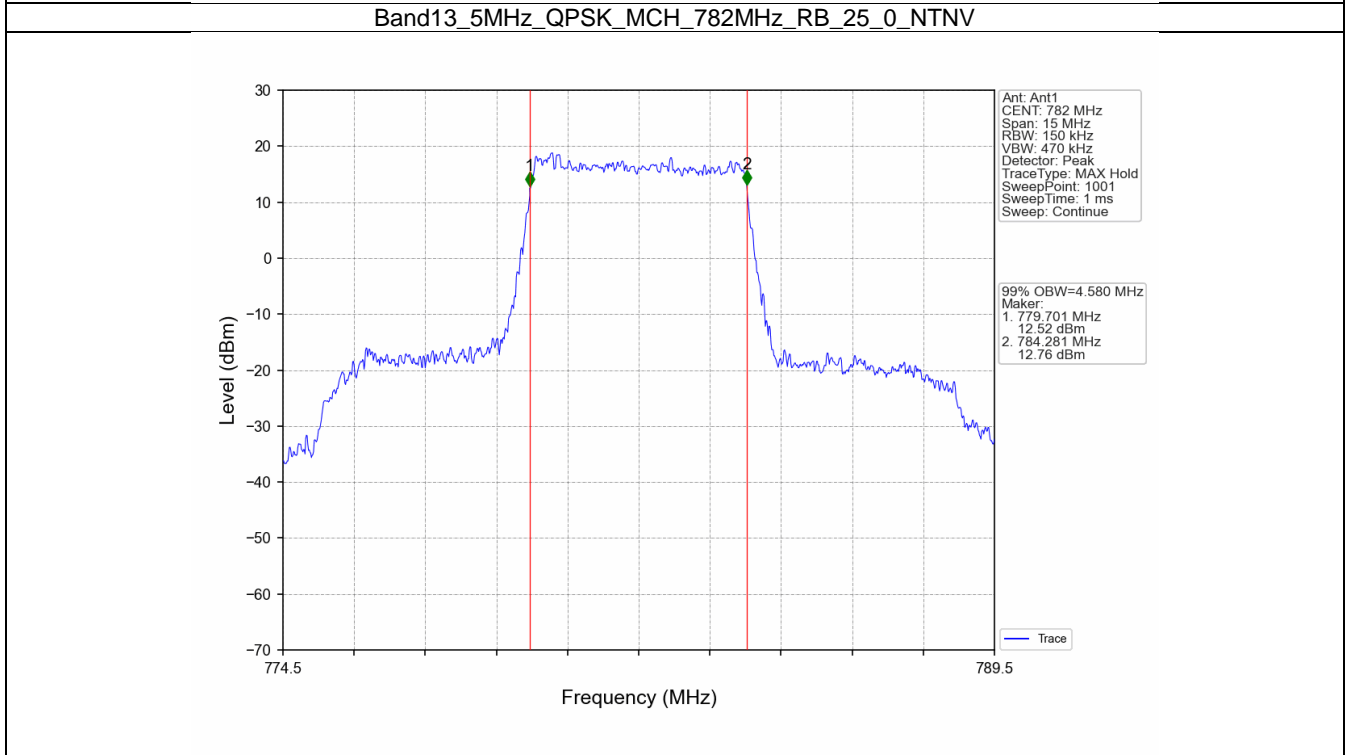
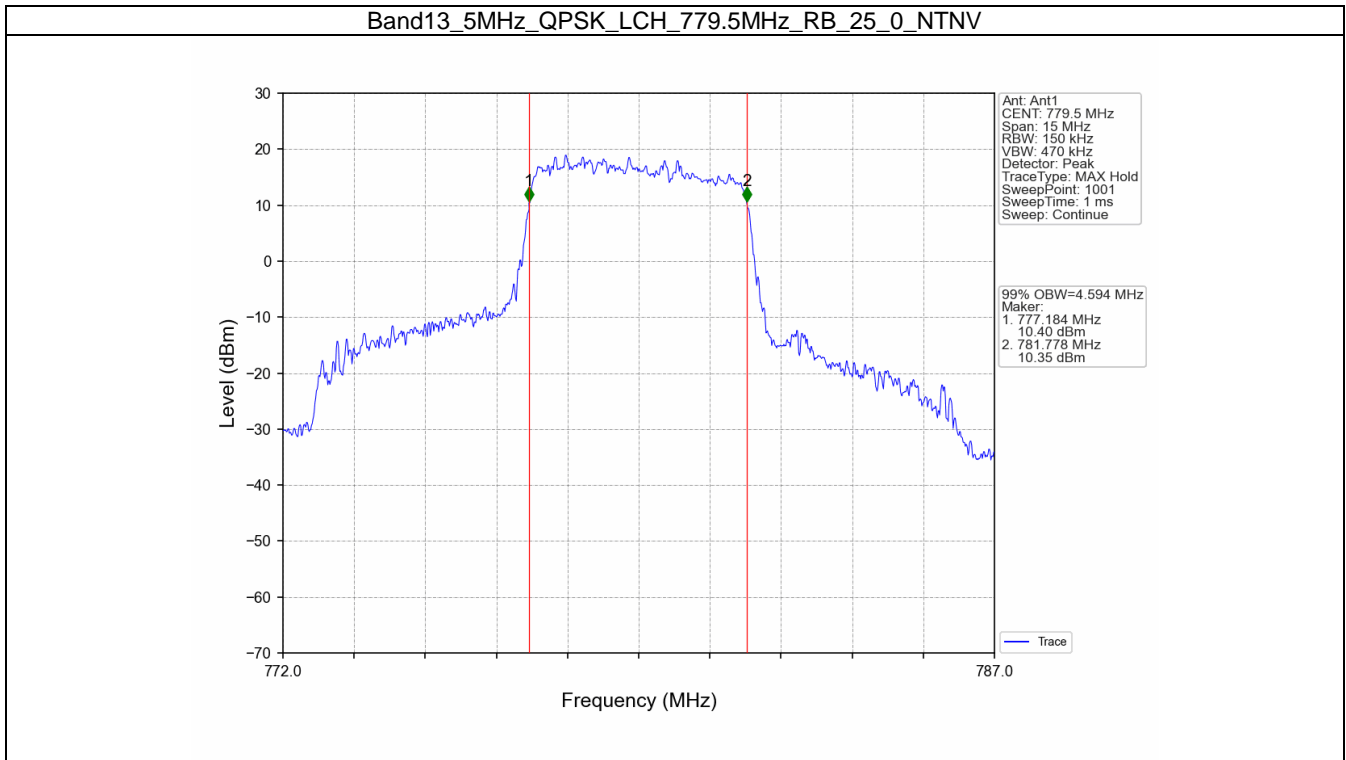
4. 99% & 26dB Bandwidth

4.1 Band13_OBW

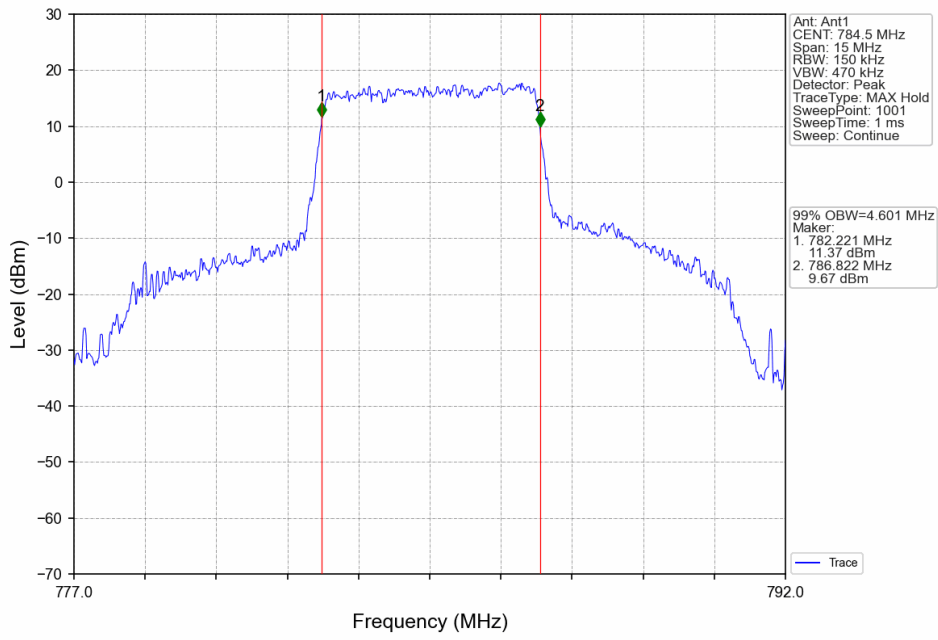
4.1.1 Test Result

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.594	Pass
		782	25	0	4.580	Pass
		784.5	25	0	4.601	Pass
	16QAM	779.5	25	0	4.575	Pass
		782	25	0	4.615	Pass
		784.5	25	0	4.623	Pass
10	QPSK	782	50	0	9.214	Pass
	16QAM	782	50	0	9.177	Pass

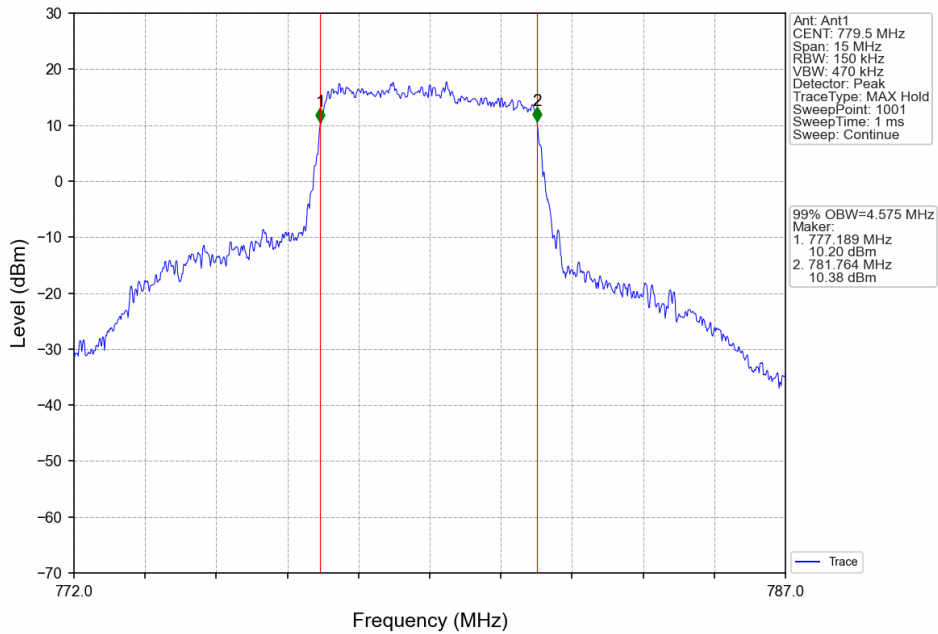
4.1.2 Test Graph



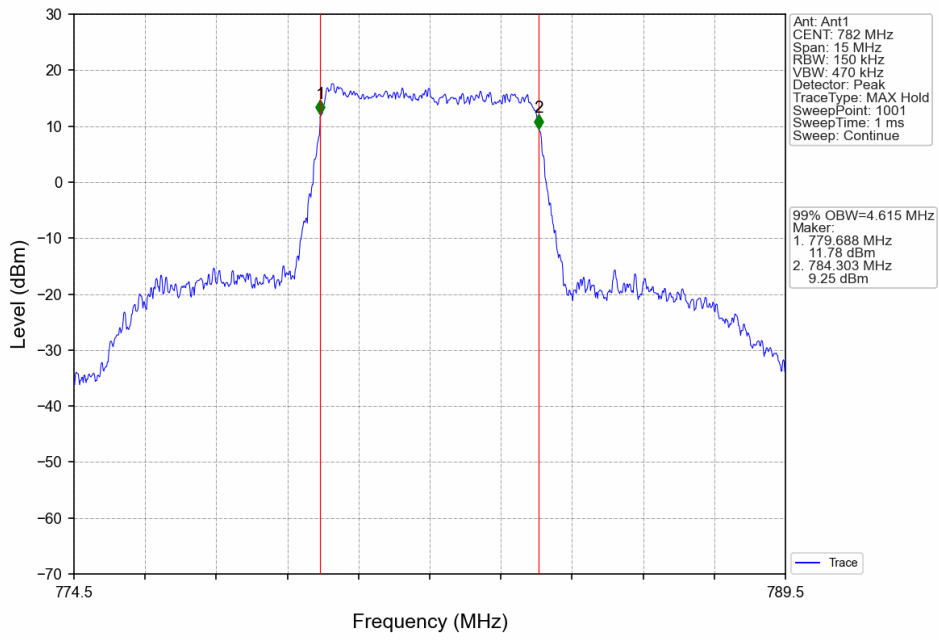
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



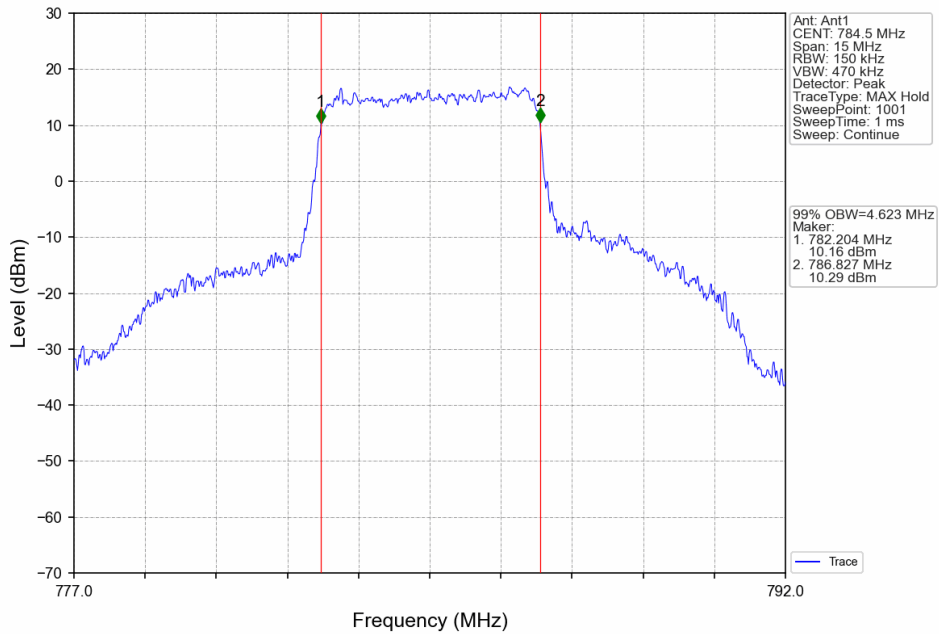
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



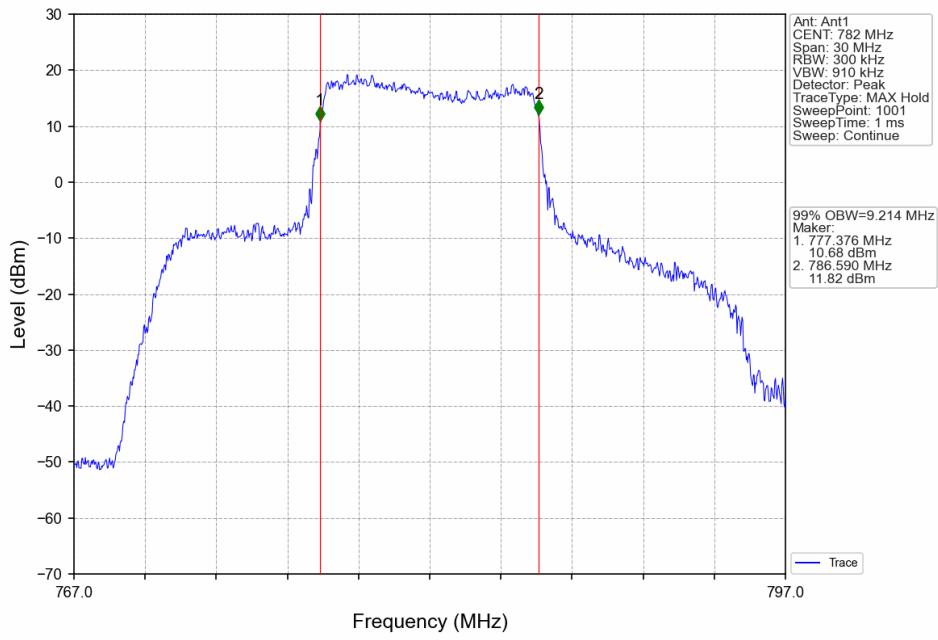
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



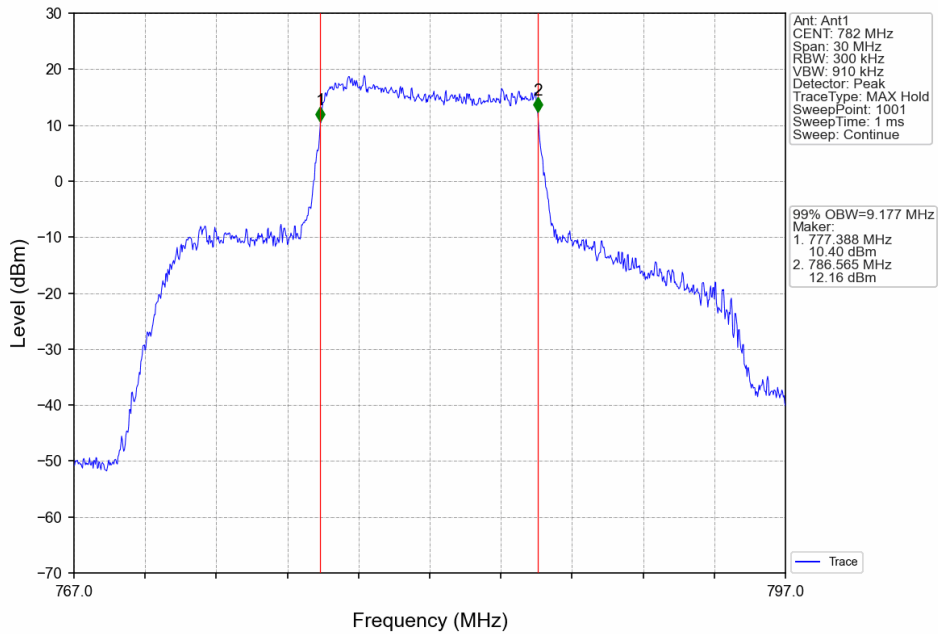
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

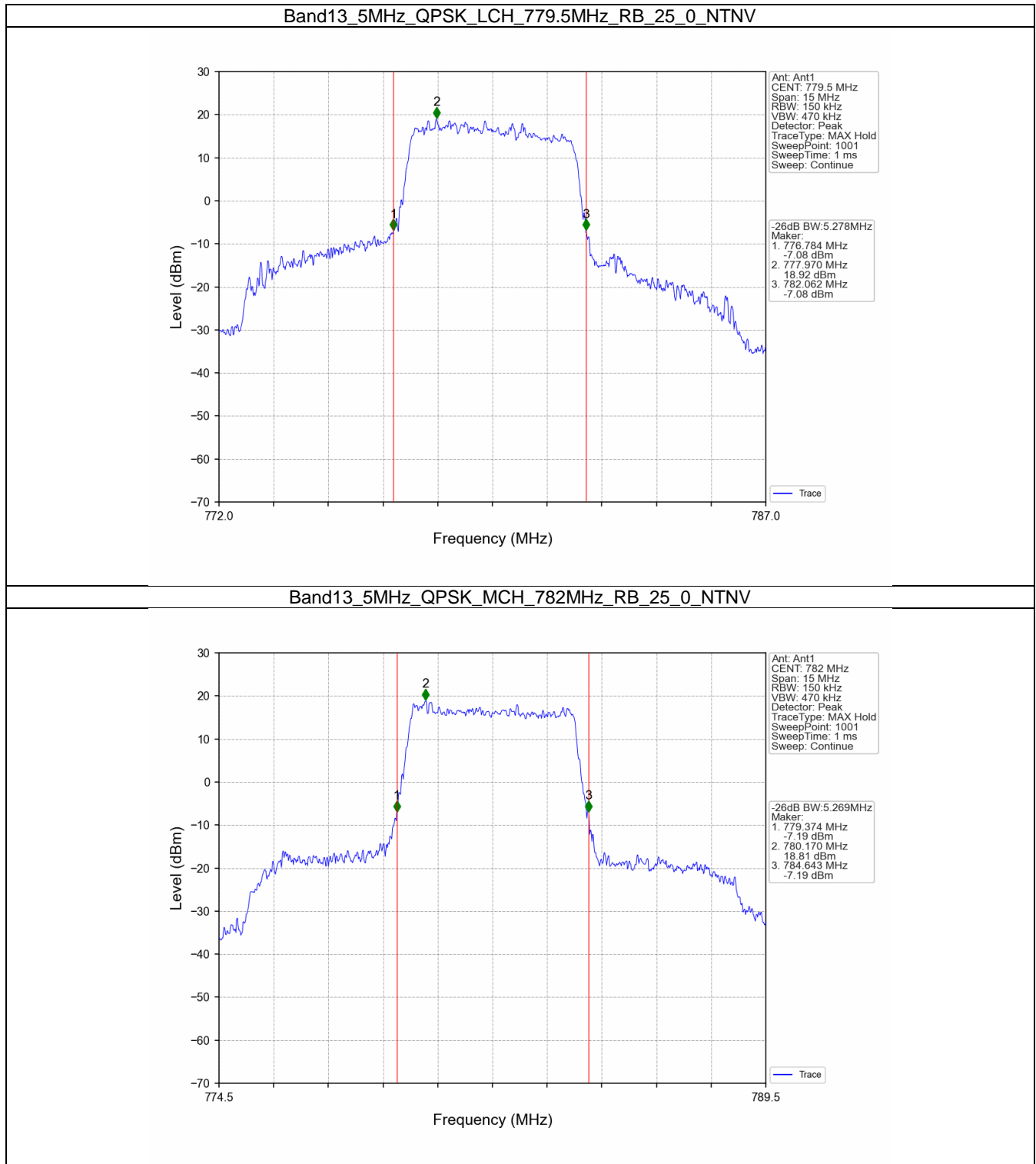


4.2 Band13_XDB

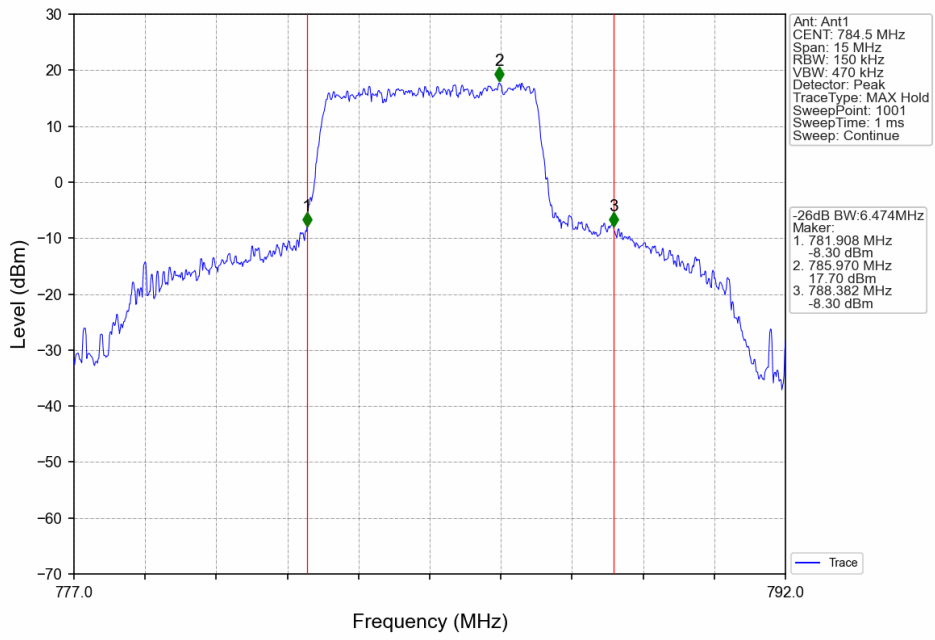
4.2.1 Test Result

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	5.278	Pass
		782	25	0	5.269	Pass
		784.5	25	0	6.474	Pass
	16QAM	779.5	25	0	5.234	Pass
		782	25	0	5.302	Pass
		784.5	25	0	6.036	Pass
10	QPSK	782	50	0	10.750	Pass
	16QAM	782	50	0	10.361	Pass

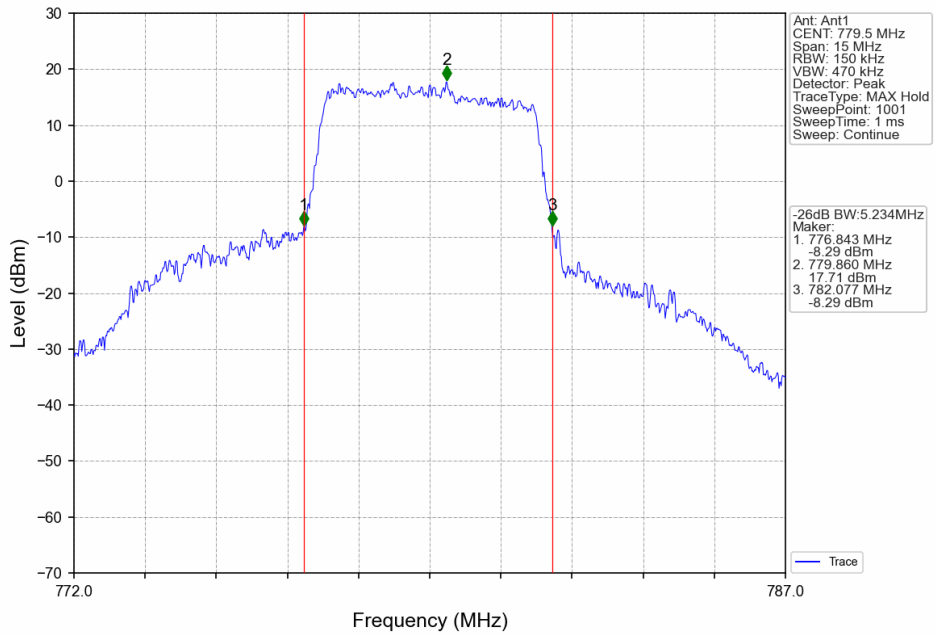
4.2.2 Test Graph



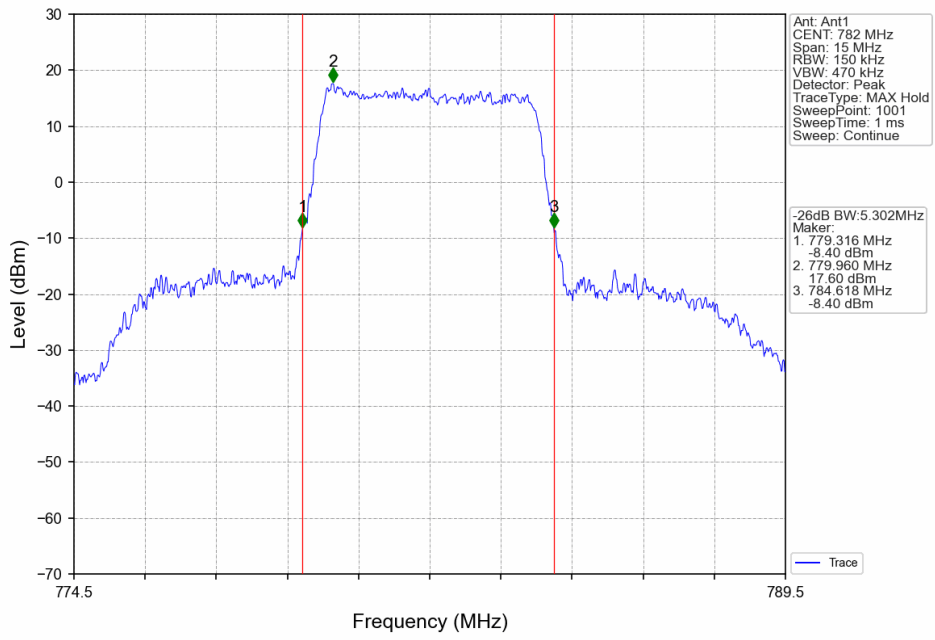
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



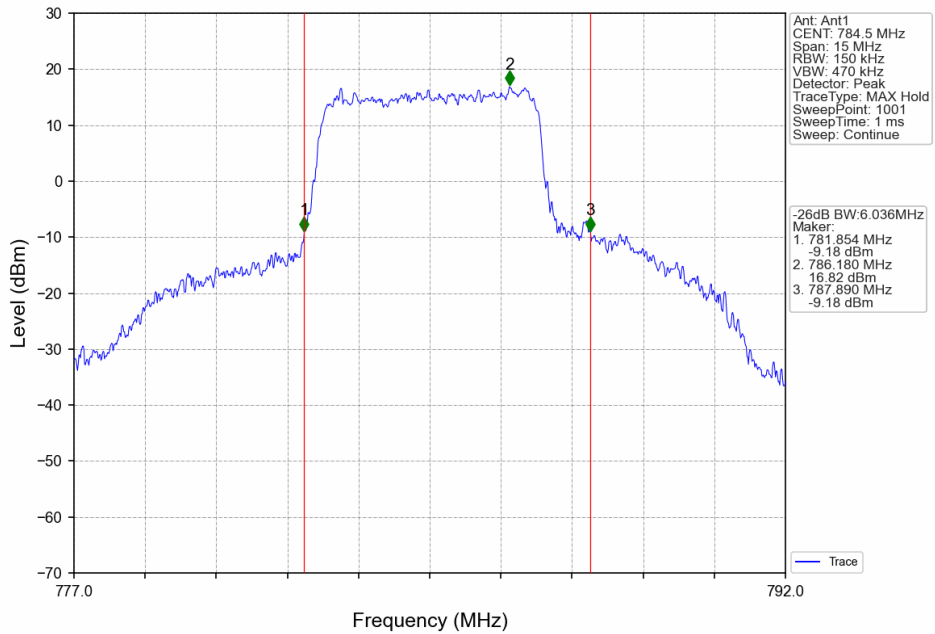
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



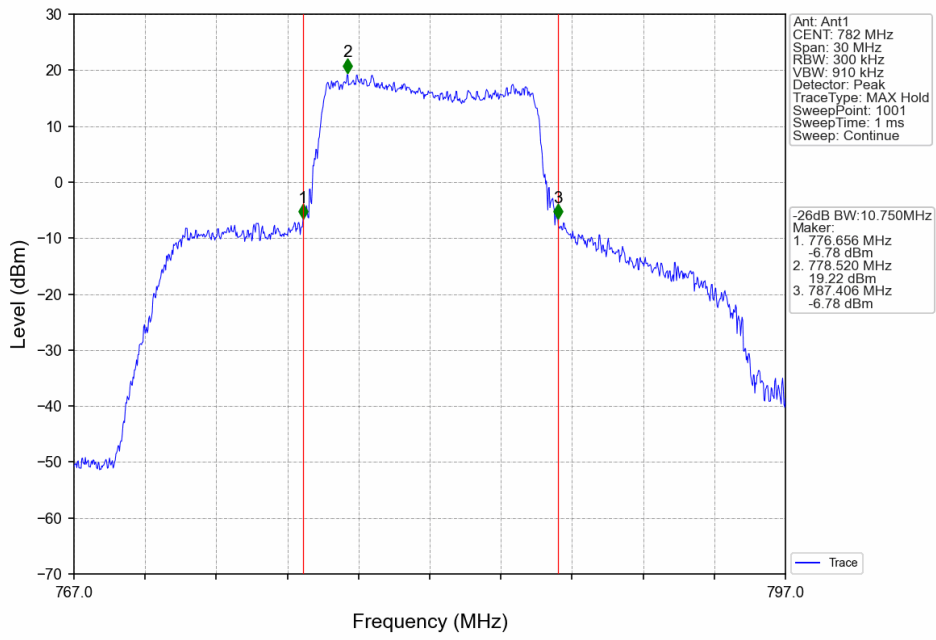
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



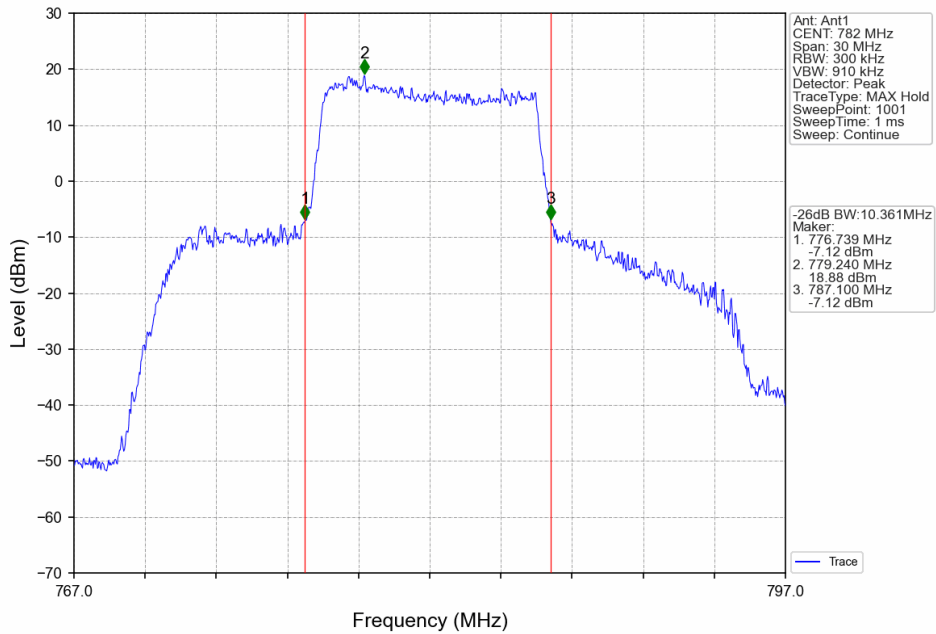
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



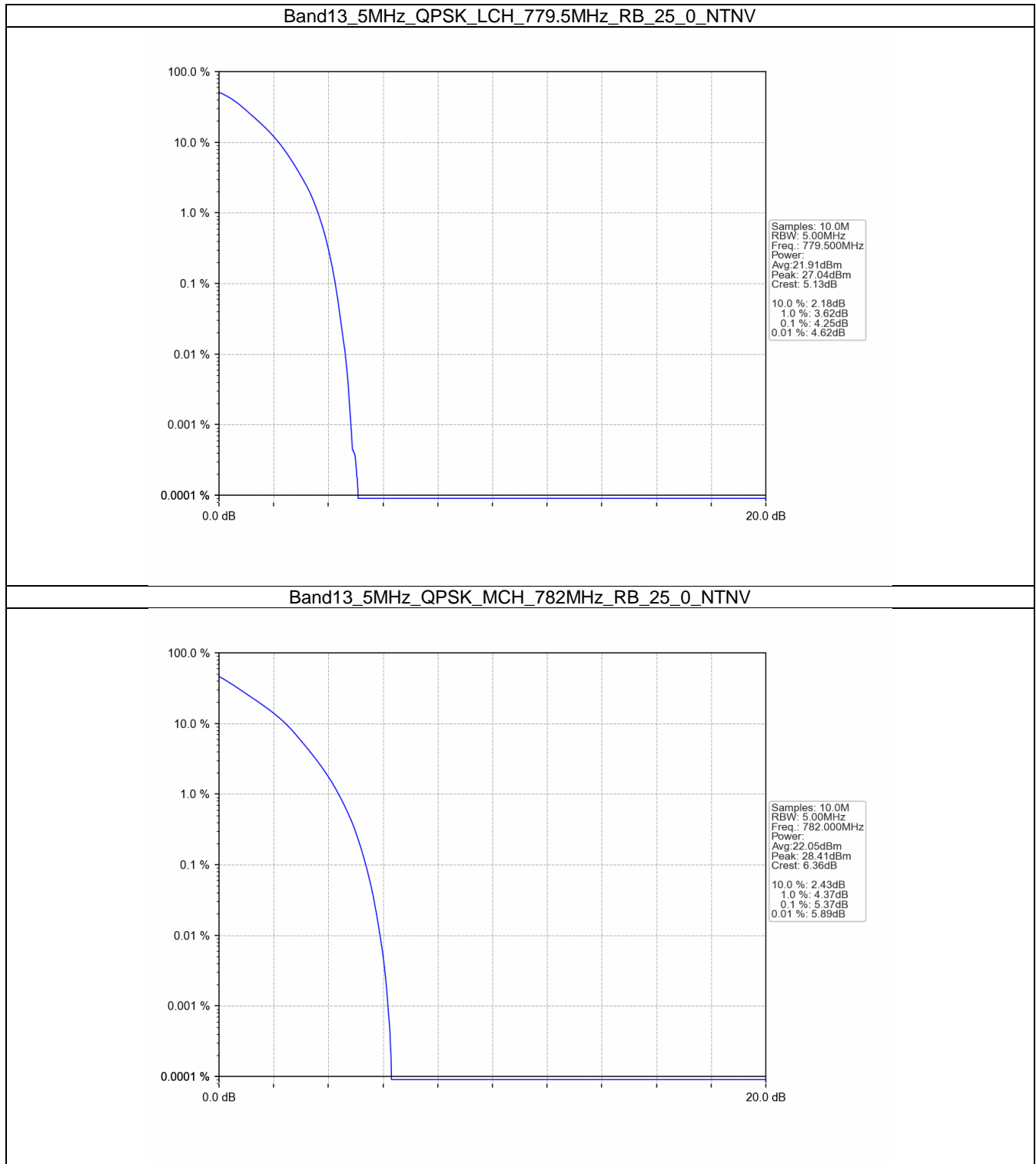
5. Peak-Average Ratio

5.1 B13_5MHz

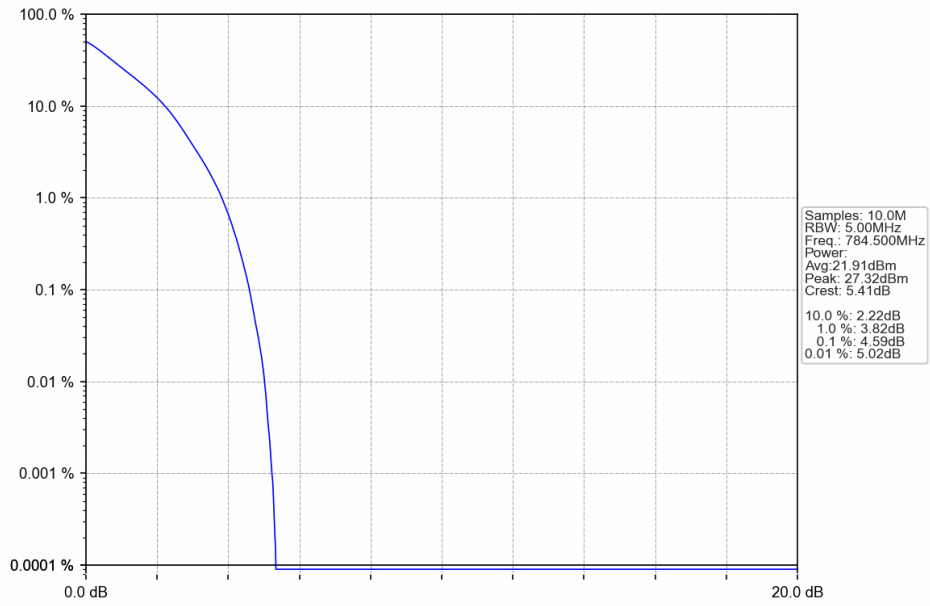
5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	4.25	<=13	Pass
	782	25	0	5.37	<=13	Pass
	784.5	25	0	4.59	<=13	Pass
16QAM	779.5	25	0	5.03	<=13	Pass
	782	25	0	6.08	<=13	Pass
	784.5	25	0	5.45	<=13	Pass

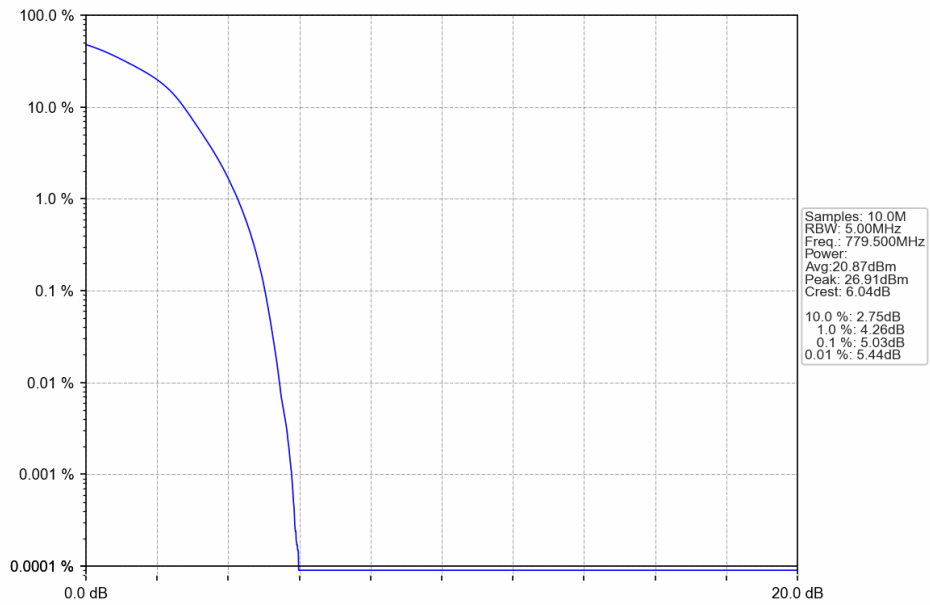
5.1.2 Test Graph



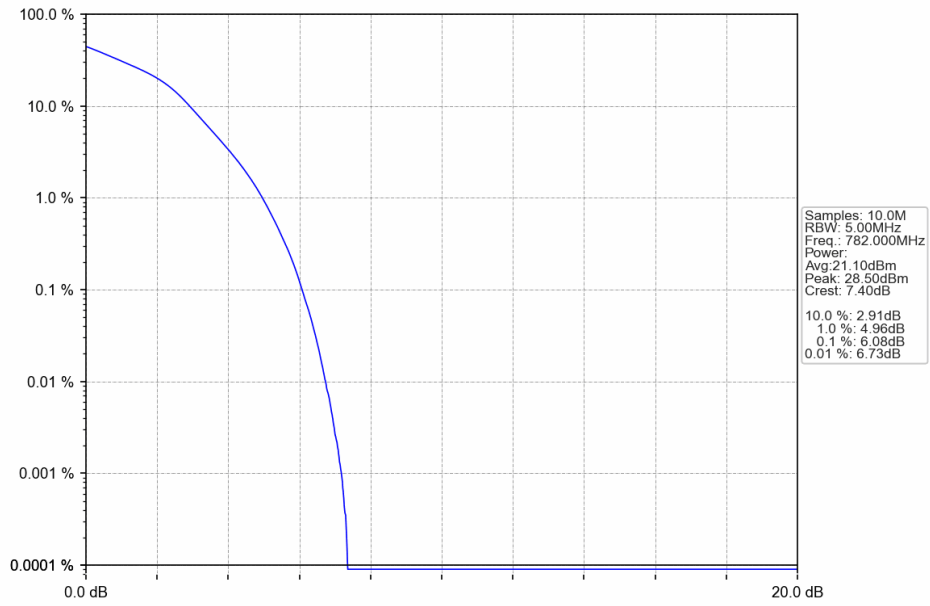
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



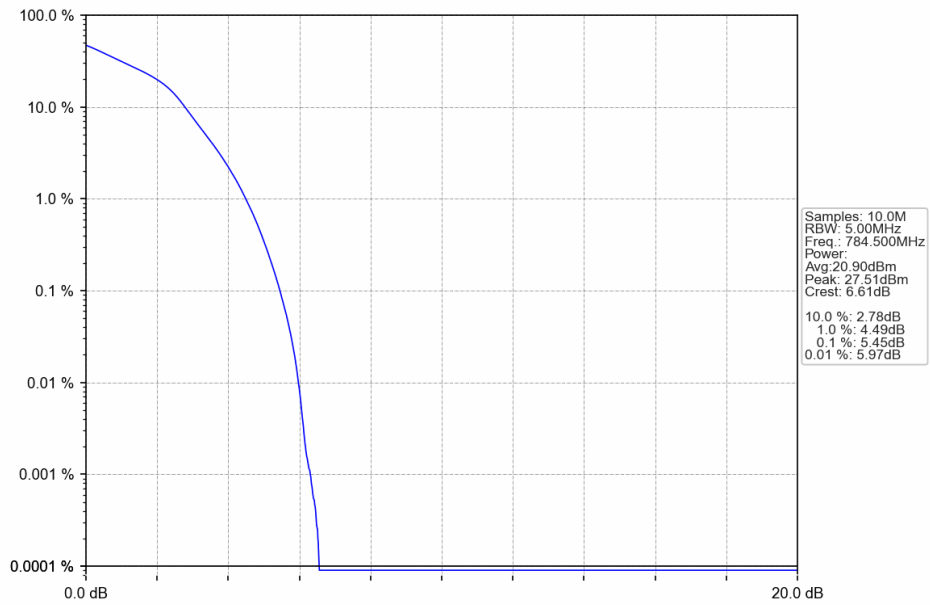
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

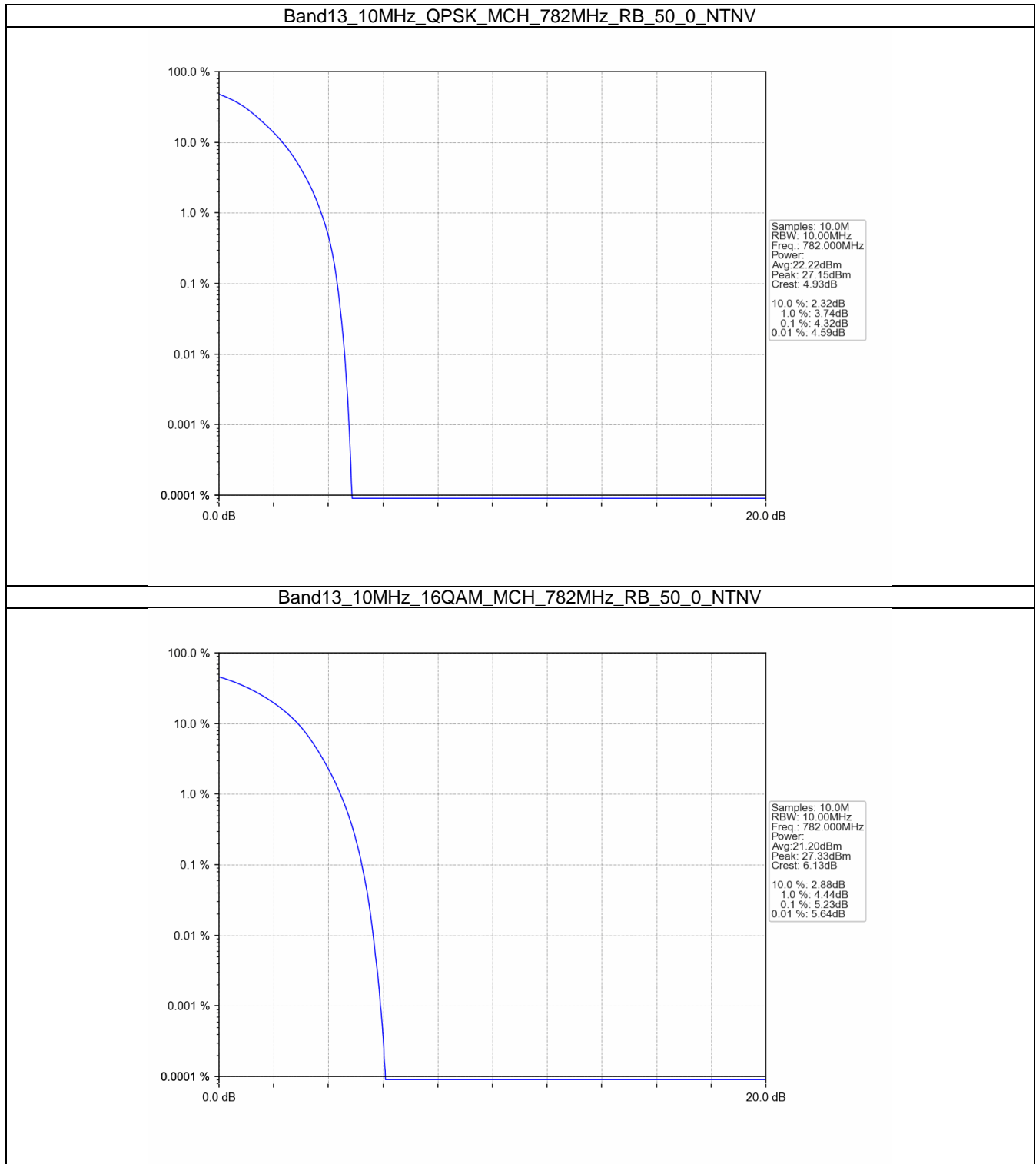


5.2 B13_10MHz

5.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	4.32	<=13	Pass
16QAM	782	50	0	5.23	<=13	Pass

5.2.2 Test Graph



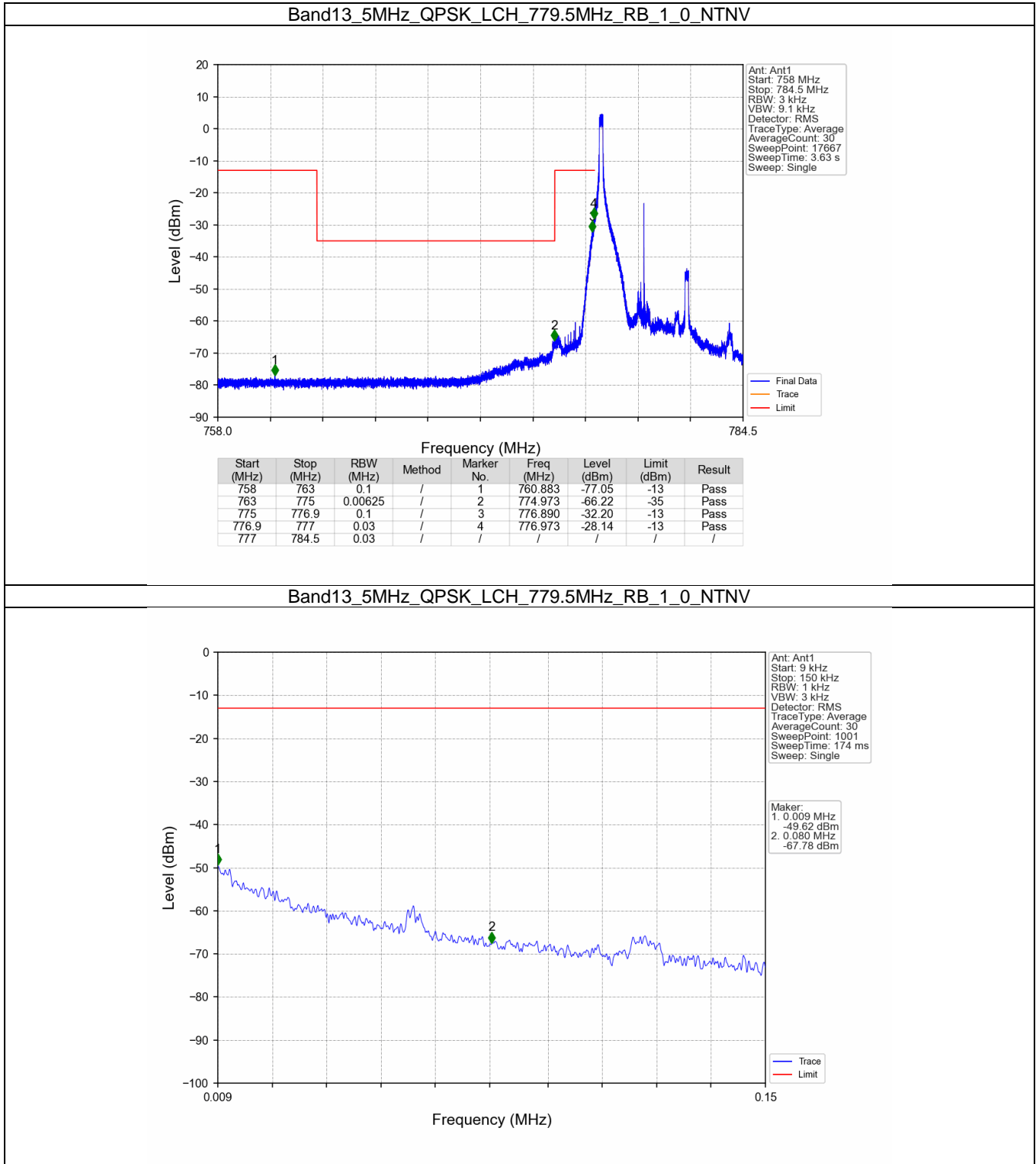
6. Spurious Emission

6.1 B13_5MHz

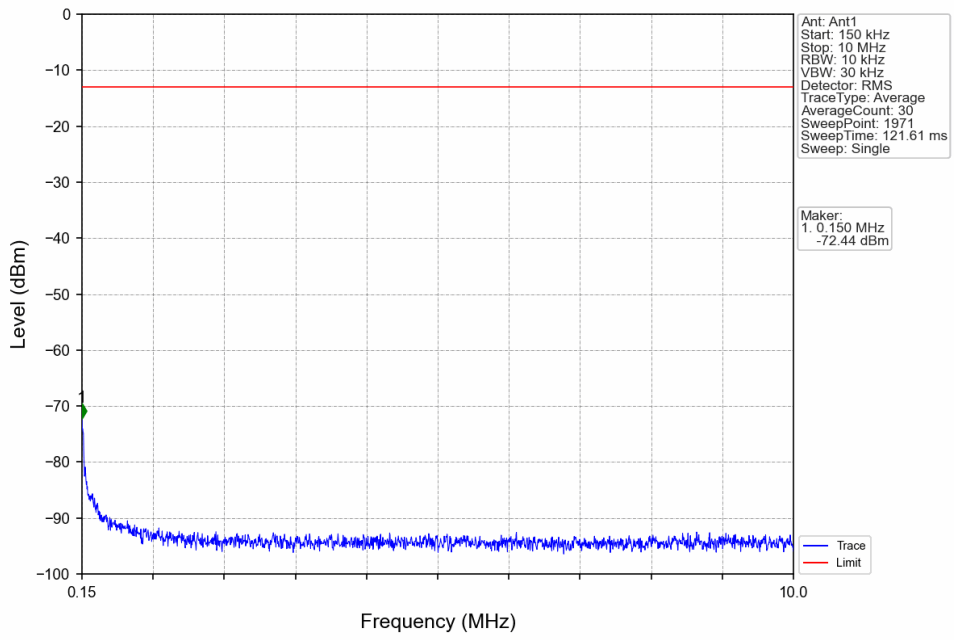
6.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

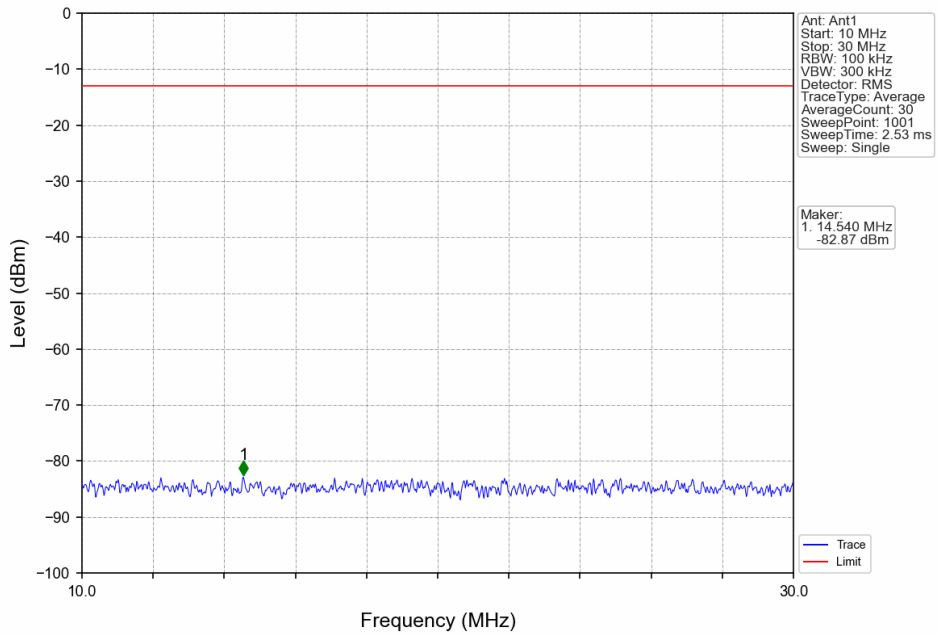
6.1.2 Test Graph



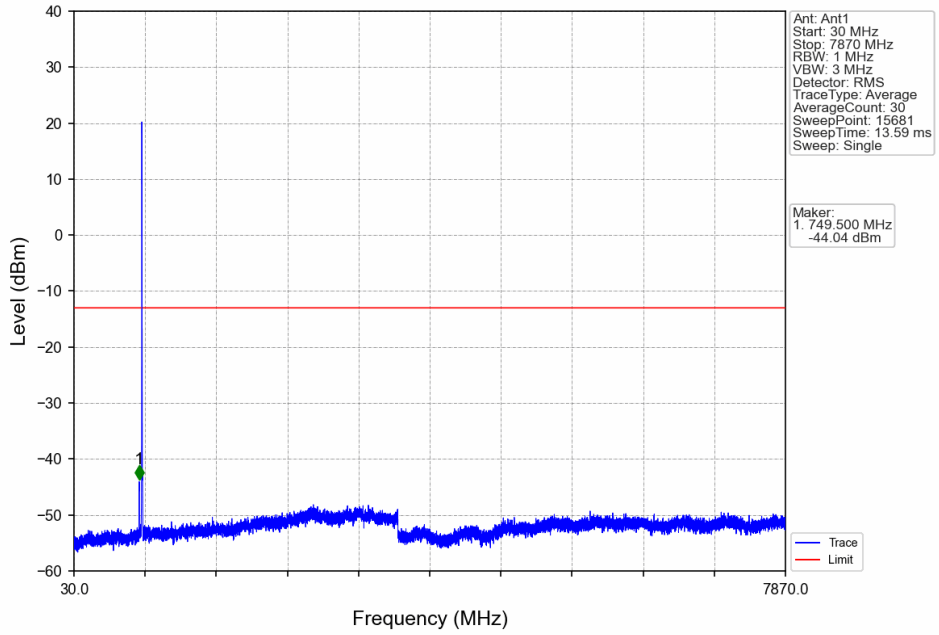
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



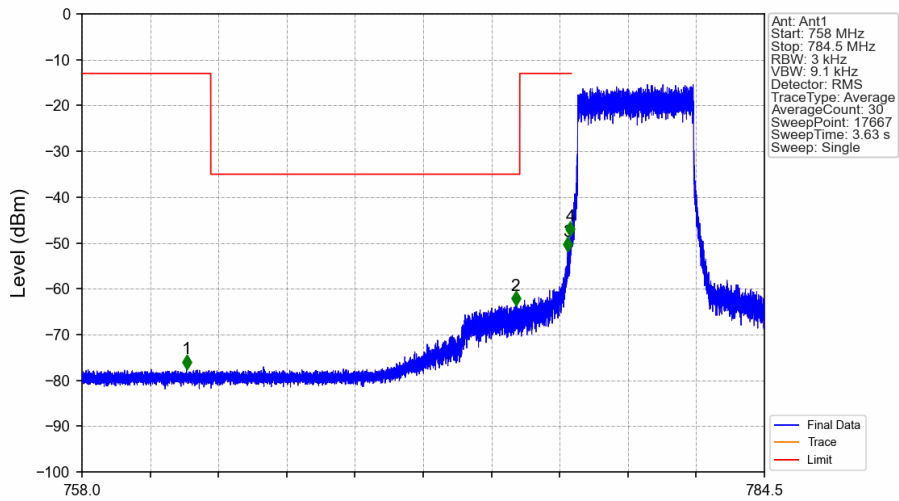
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

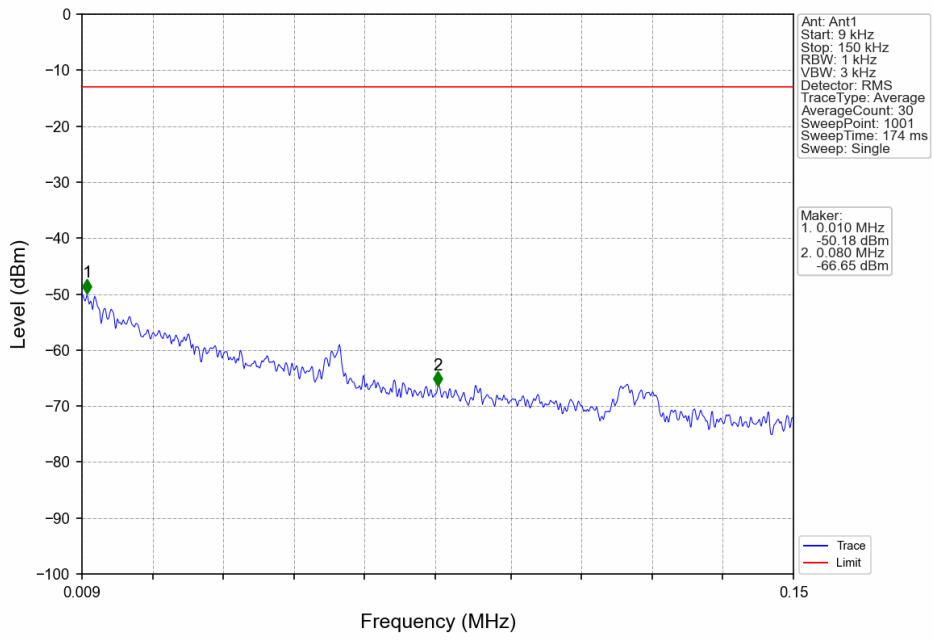


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

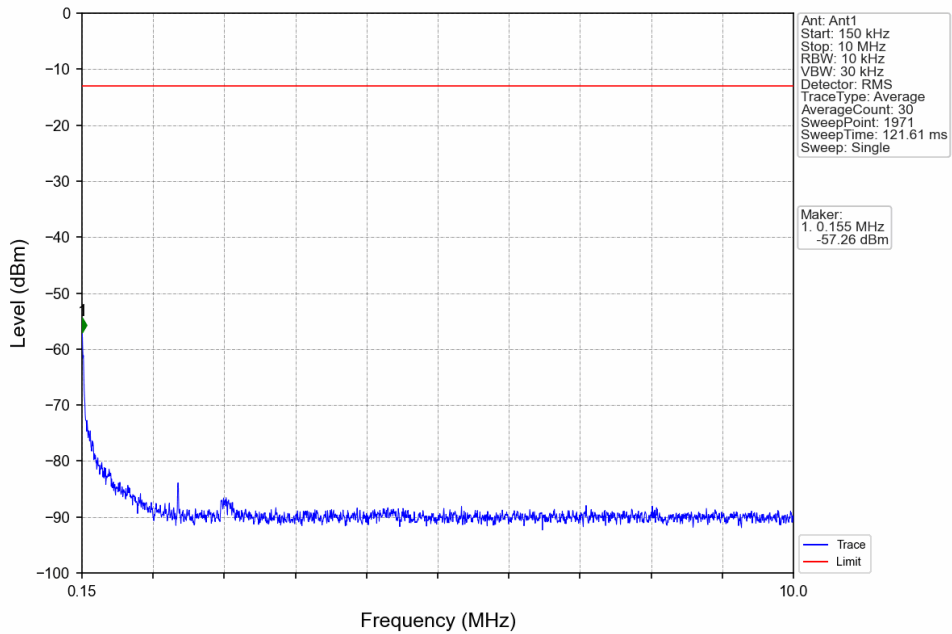


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	762.061	-77.54	-13	Pass
763	775	0.00625	/	2	774.841	-63.63	-35	Pass
775	776.9	0.1	/	3	776.862	-51.85	-13	Pass
776.9	777	0.03	/	4	776.959	-48.47	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

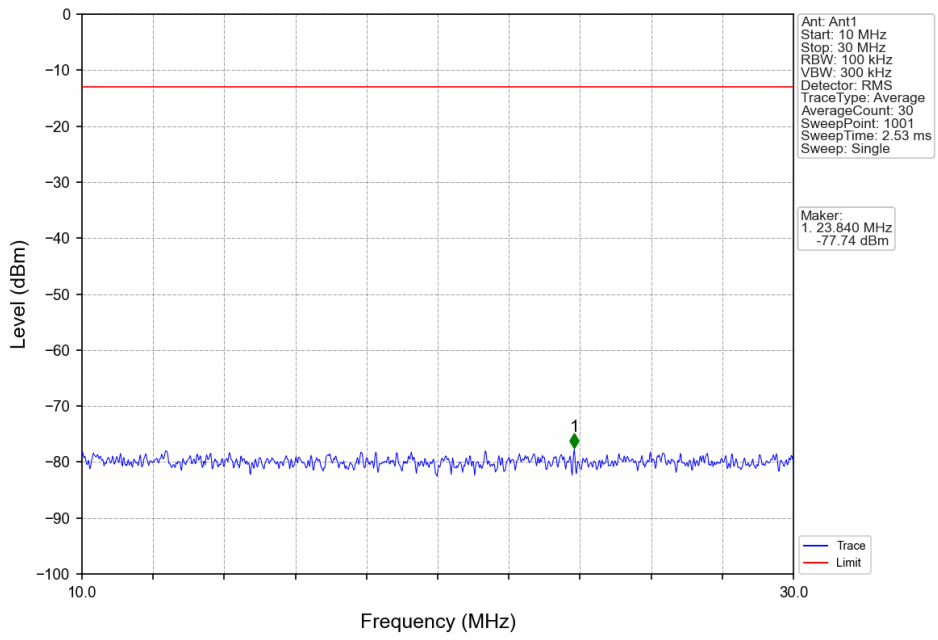
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



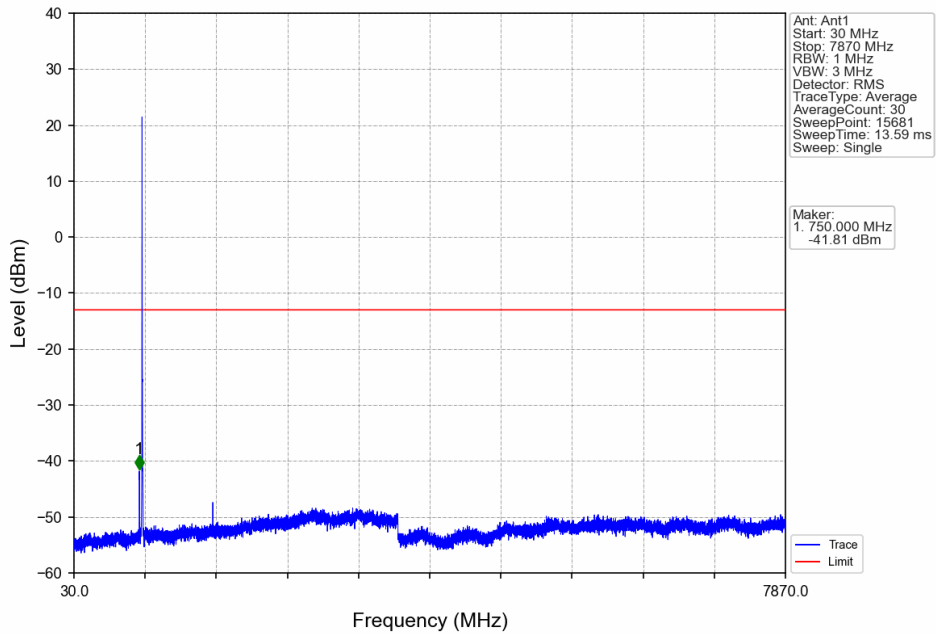
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



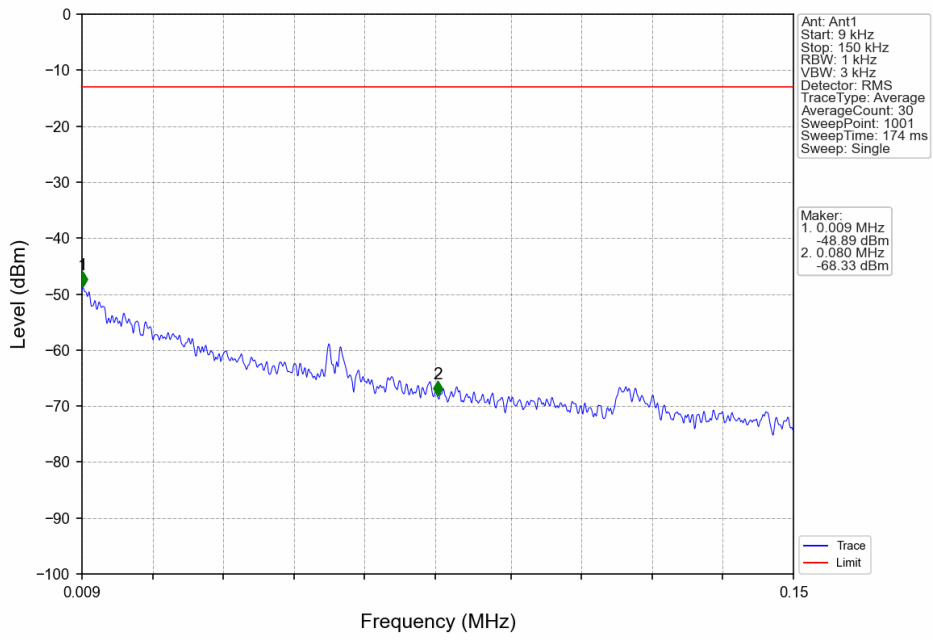
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



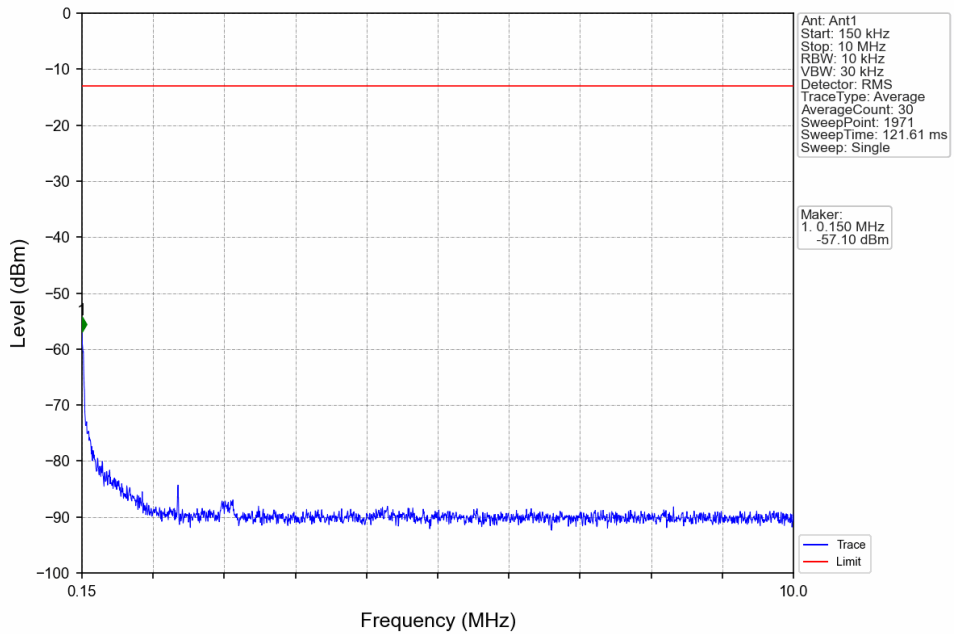
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



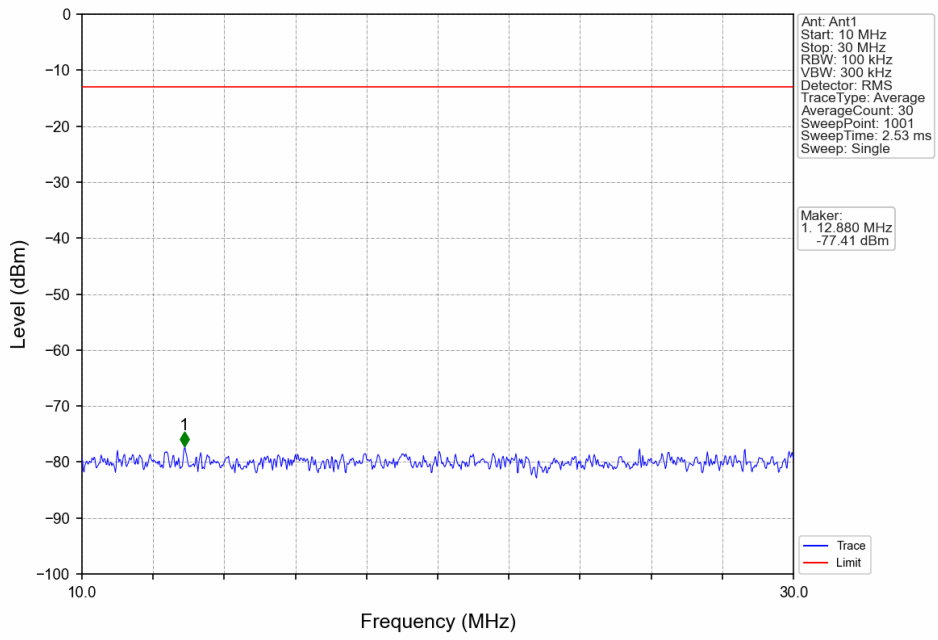
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



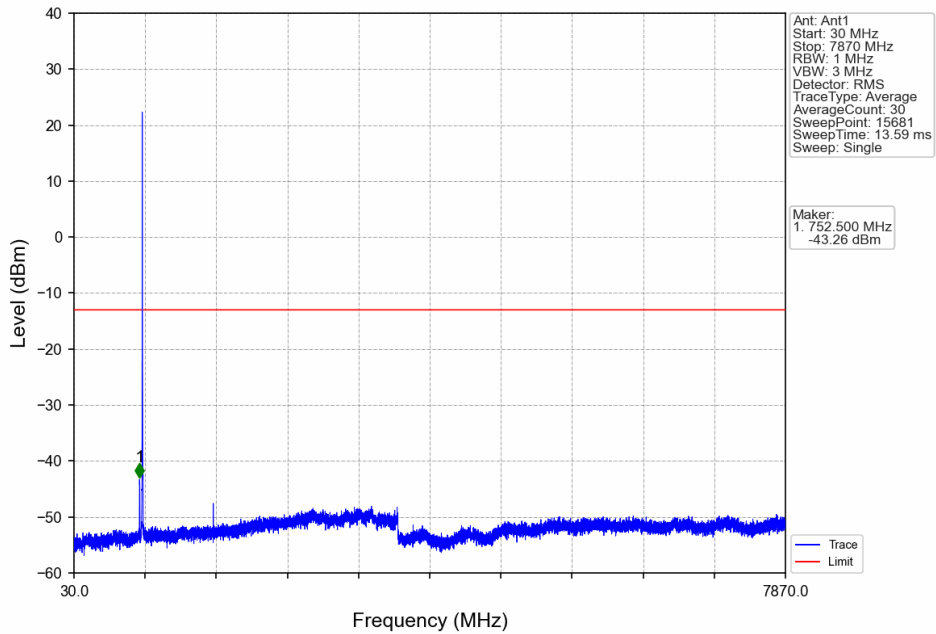
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



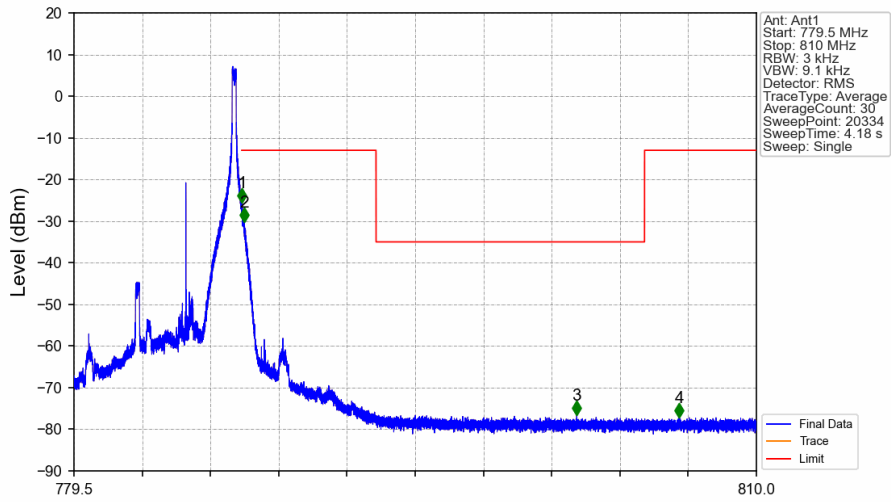
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

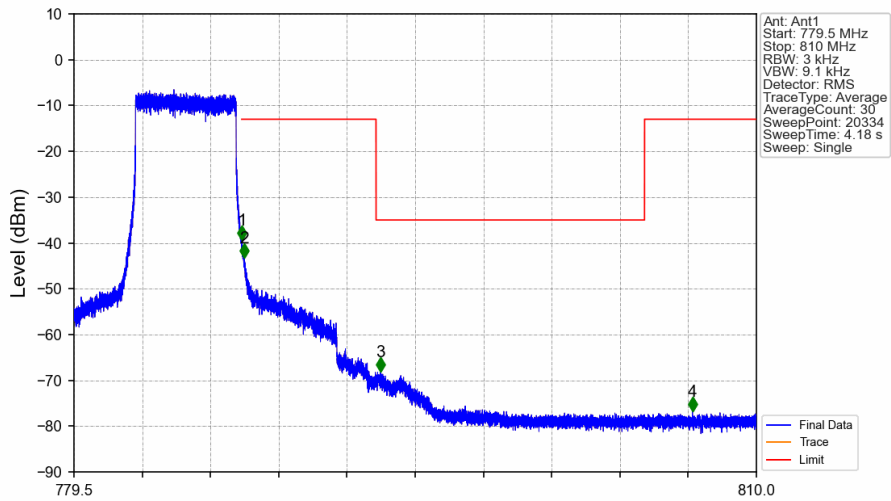


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



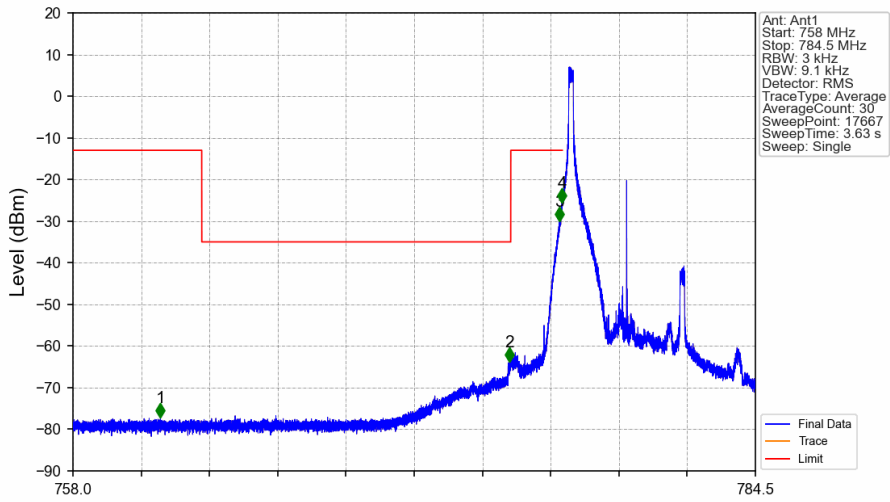
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.012	-25.64	-13	Pass
787.1	793	0.1	/	2	787.108	-30.22	-13	Pass
793	805	0.00625	/	3	801.970	-76.61	-35	Pass
805	810	0.1	/	4	806.544	-77.16	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



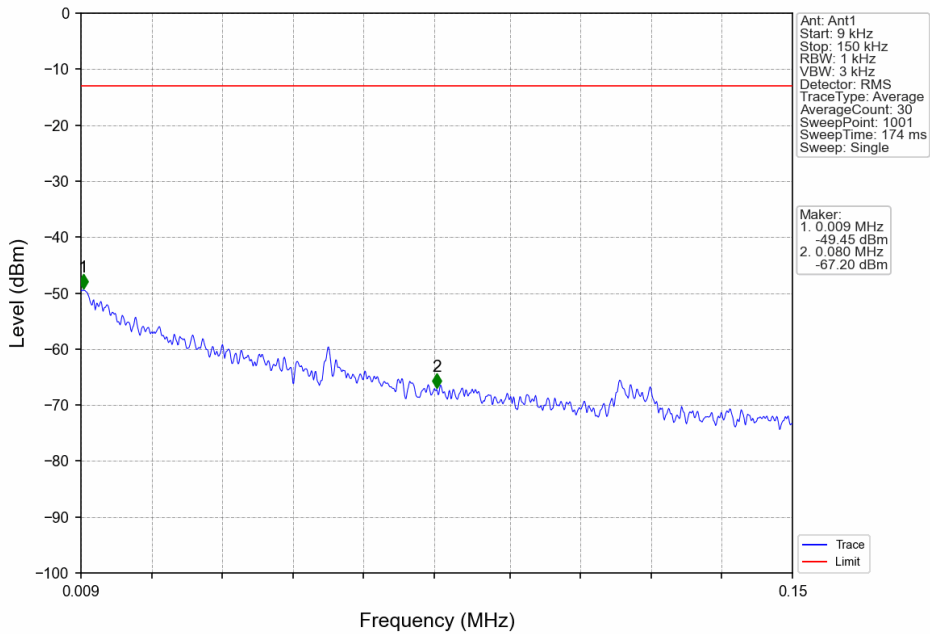
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.015	-39.44	-13	Pass
787.1	793	0.1	/	2	787.114	-43.27	-13	Pass
793	805	0.00625	/	3	793.207	-68.17	-35	Pass
805	810	0.1	/	4	807.141	-76.78	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

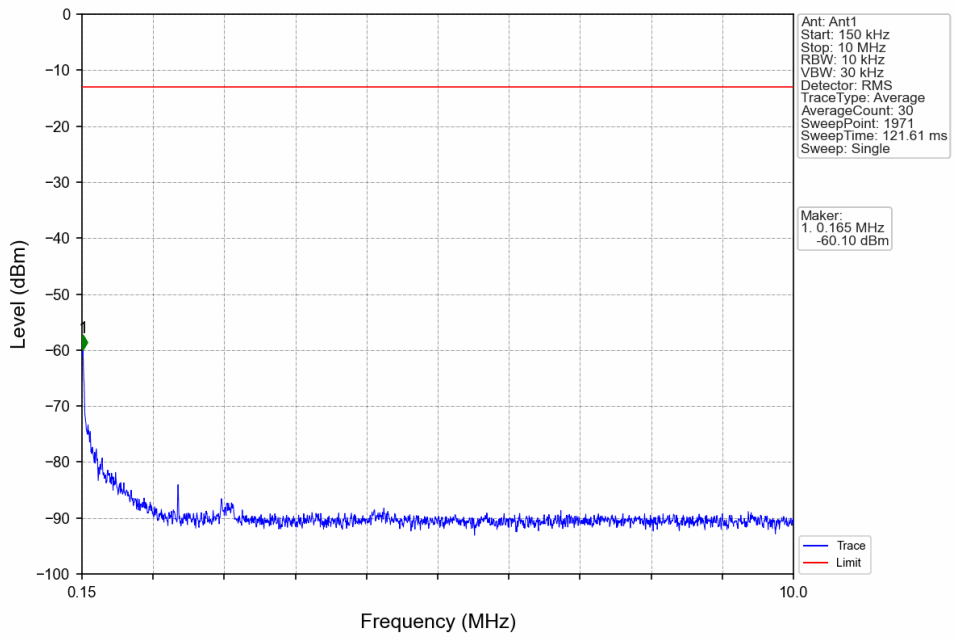


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	761.398	-77.19	-13	Pass
763	775	0.00625	/	2	774.958	-63.80	-35	Pass
775	776.9	0.1	/	3	776.892	-30.01	-13	Pass
776.9	777	0.03	/	4	776.989	-25.55	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

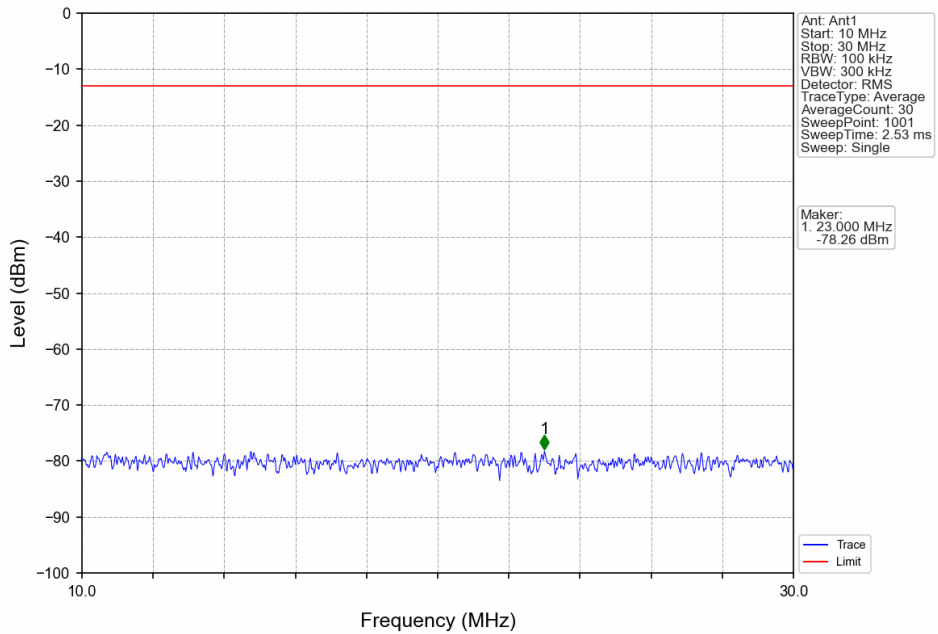
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



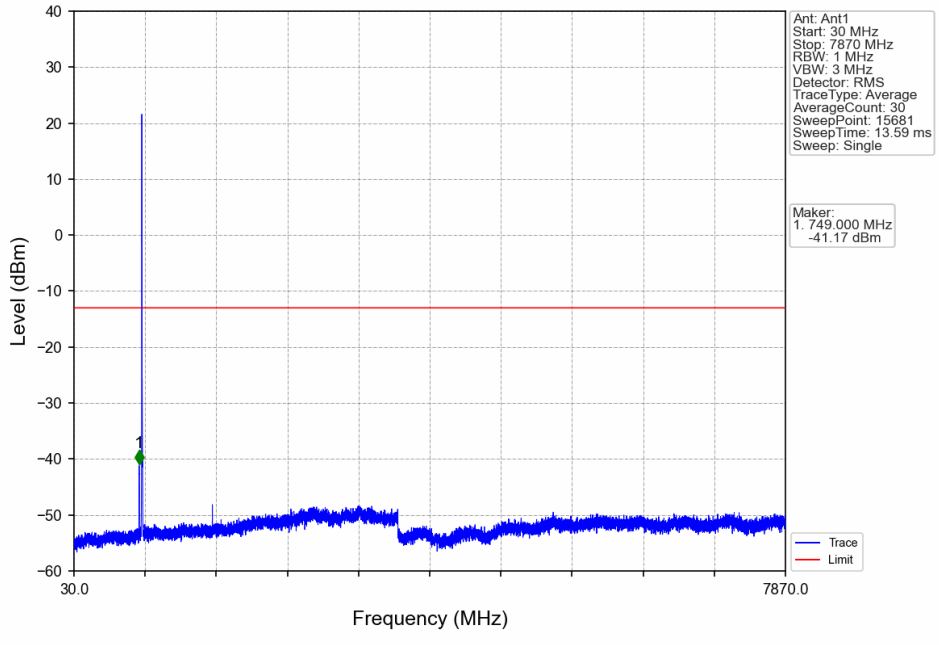
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



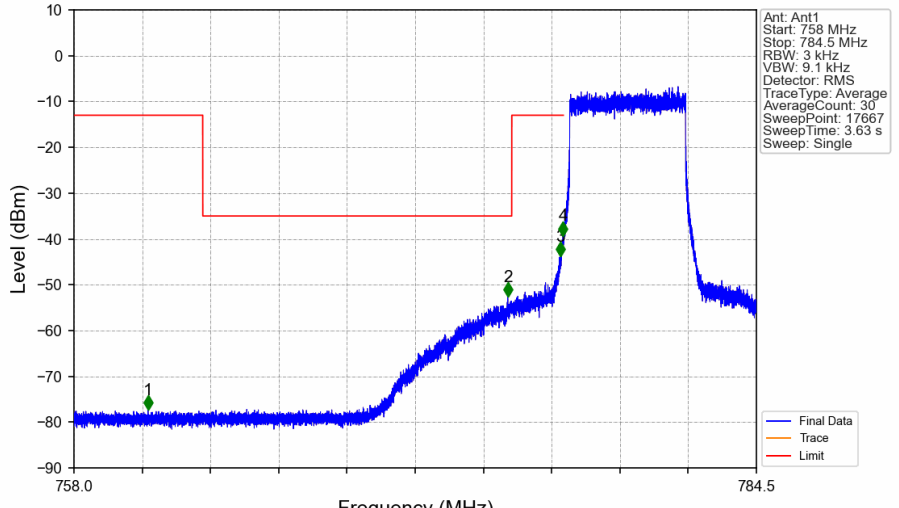
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

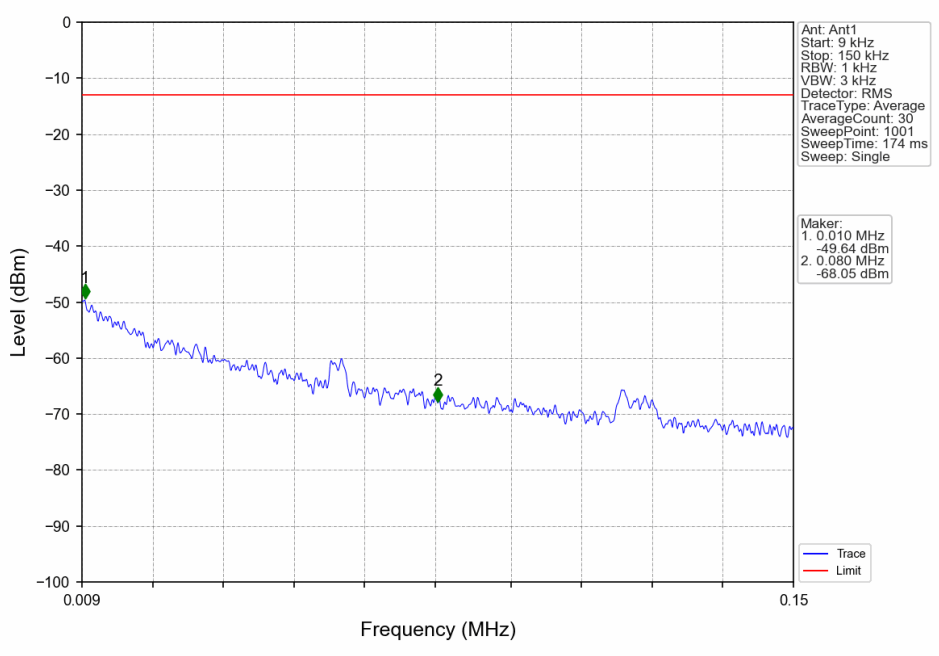


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

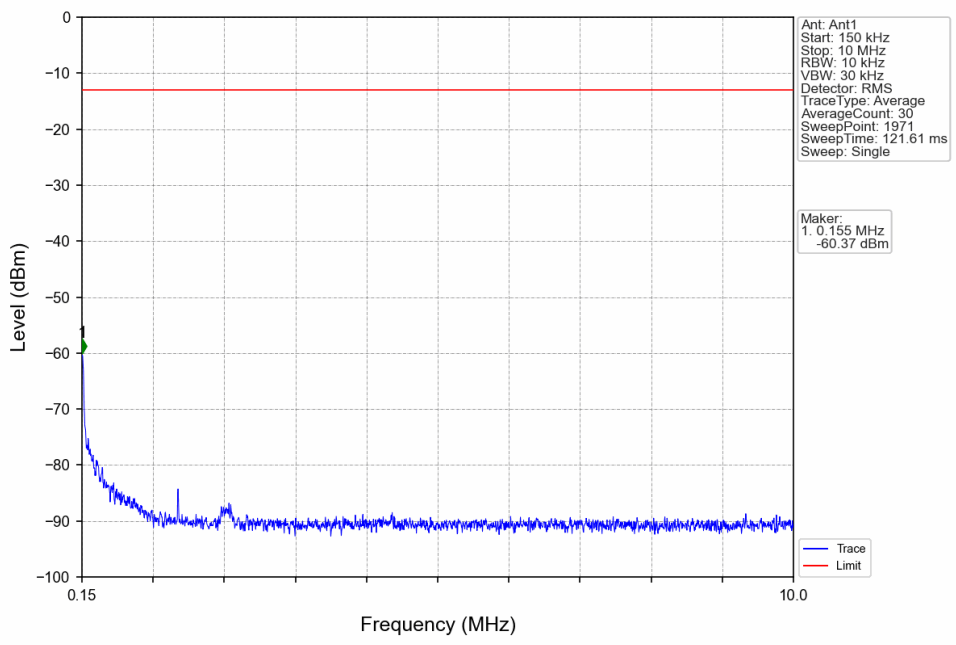


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	760.876	-77.25	-13	Pass
763	775	0.00625	/	2	774.843	-52.58	-35	Pass
775	776.9	0.1	/	3	776.899	-43.76	-13	Pass
776.9	777	0.03	/	4	776.986	-39.30	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

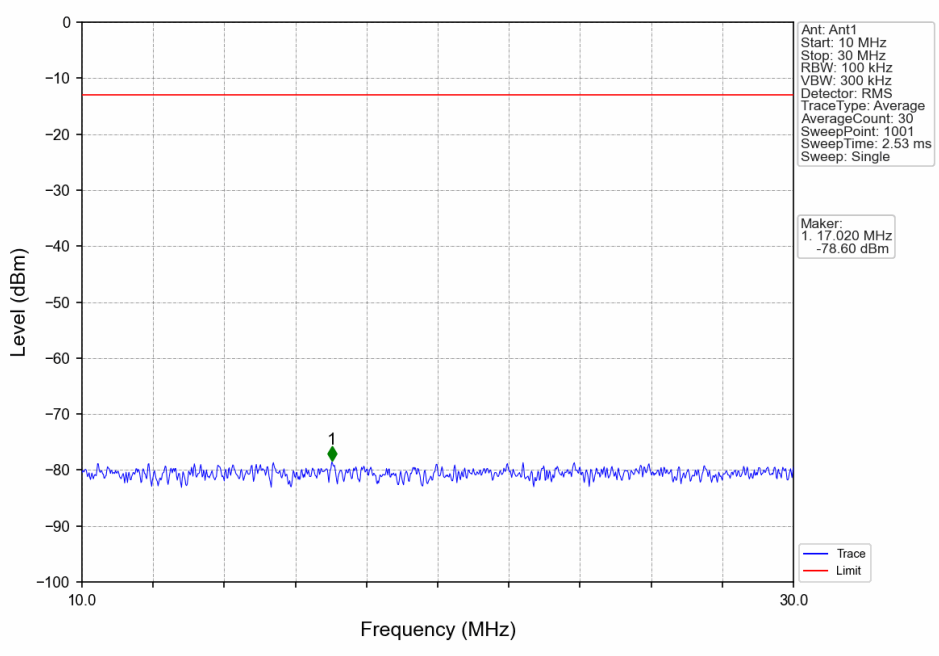
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



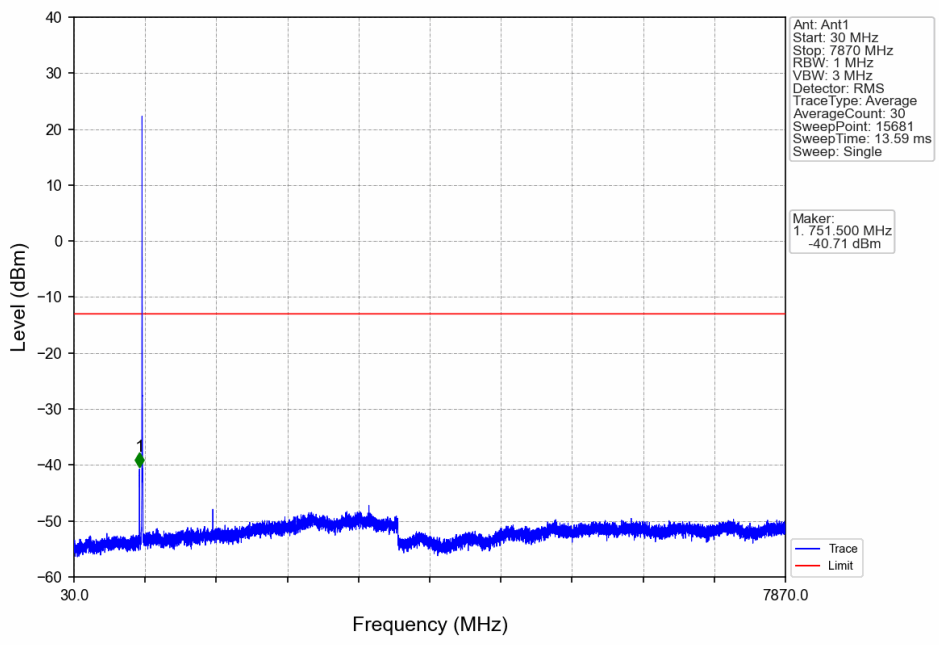
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



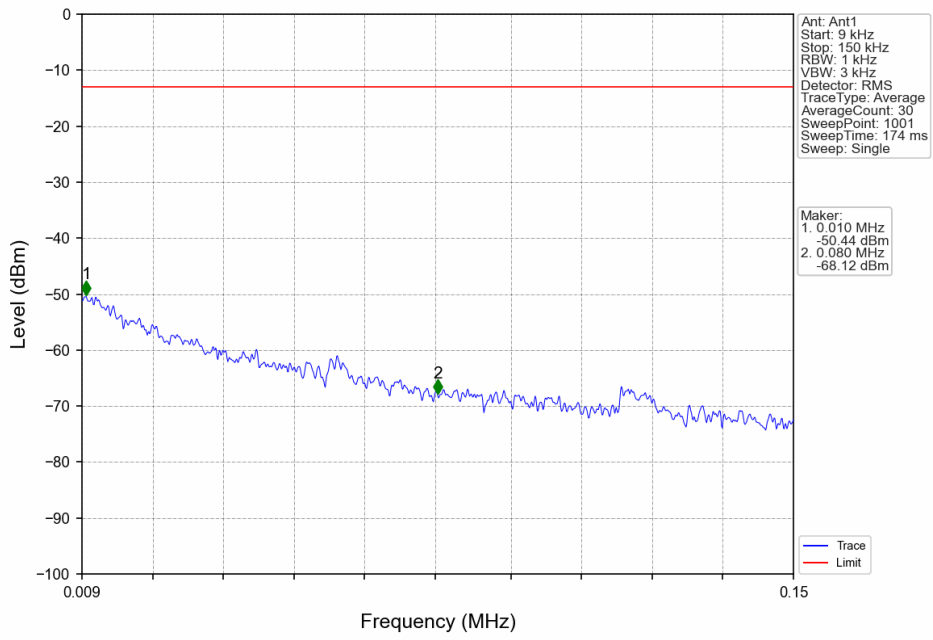
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



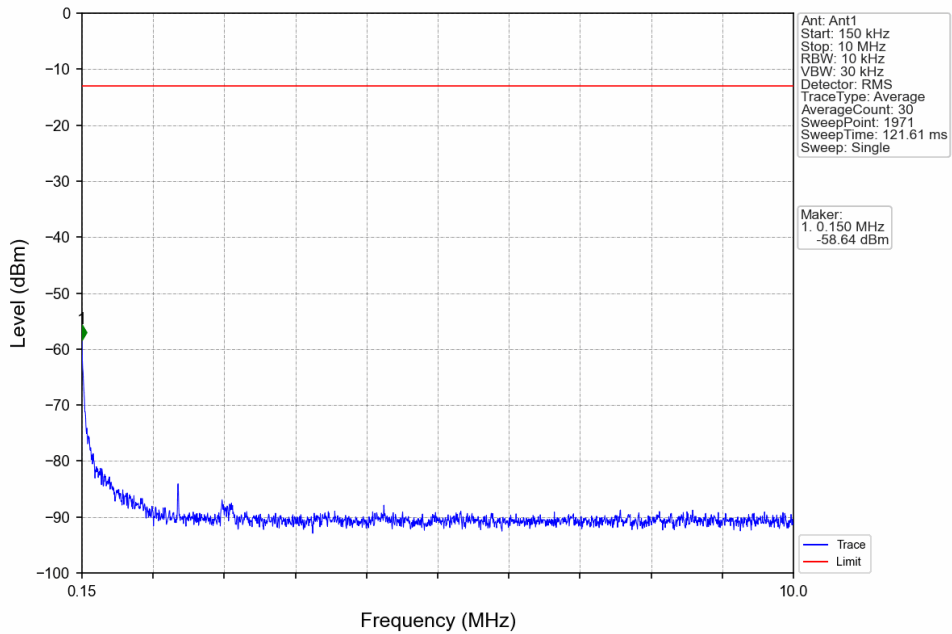
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



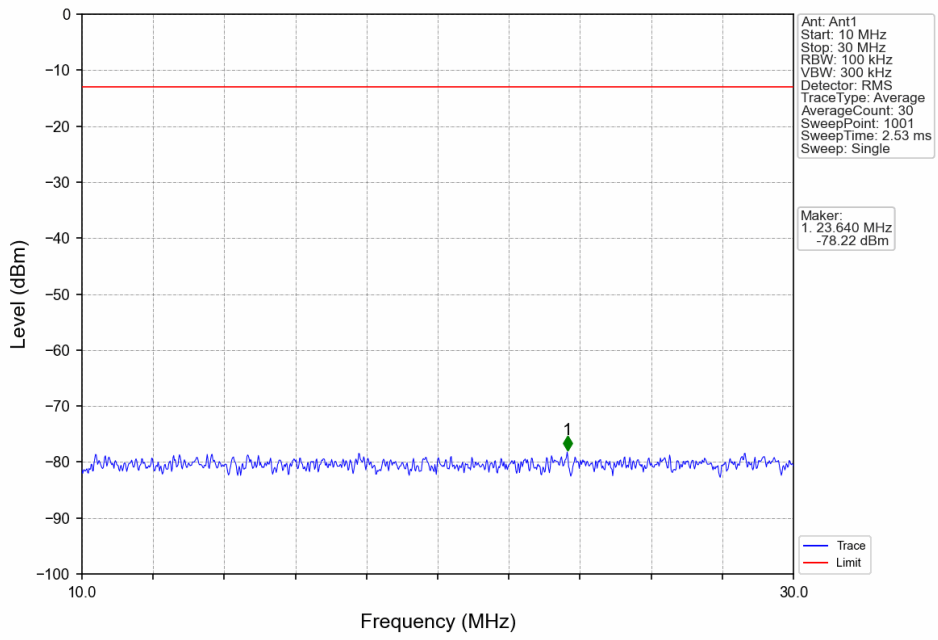
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



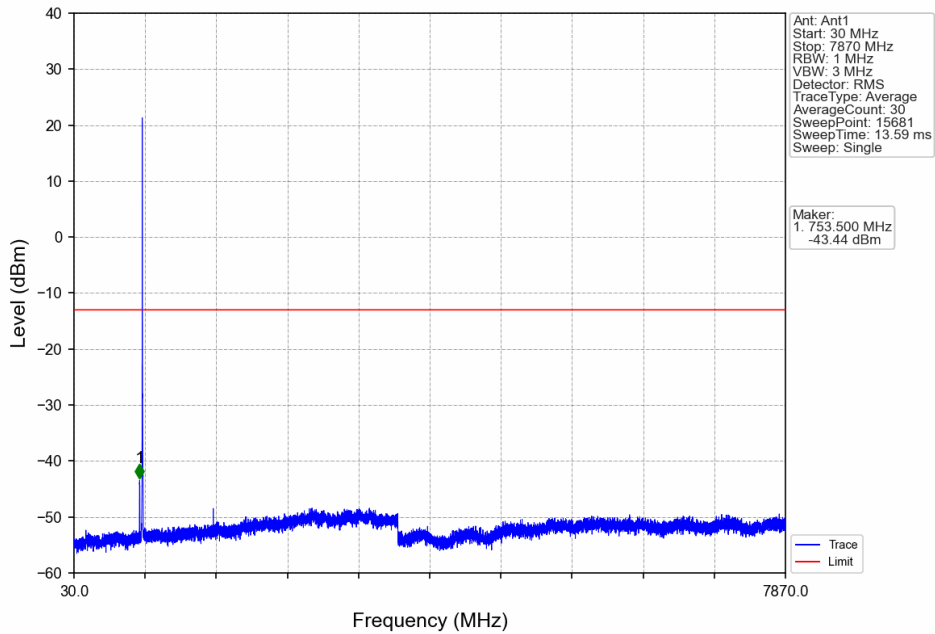
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



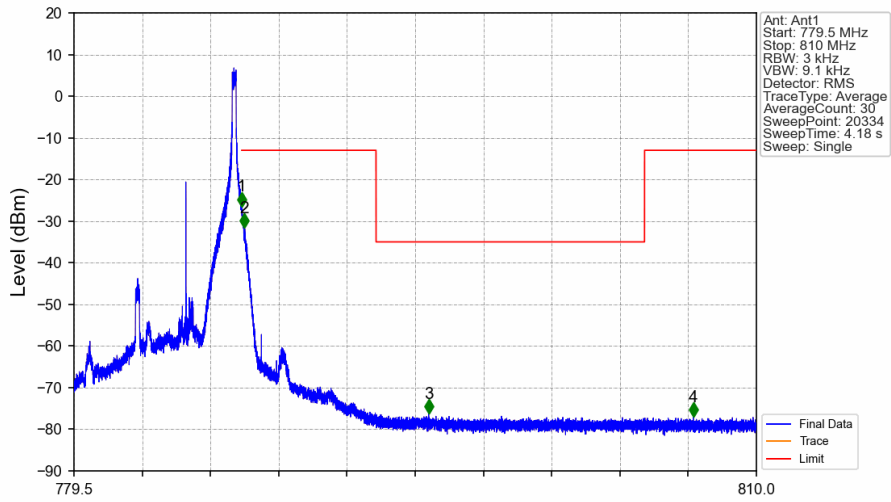
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV

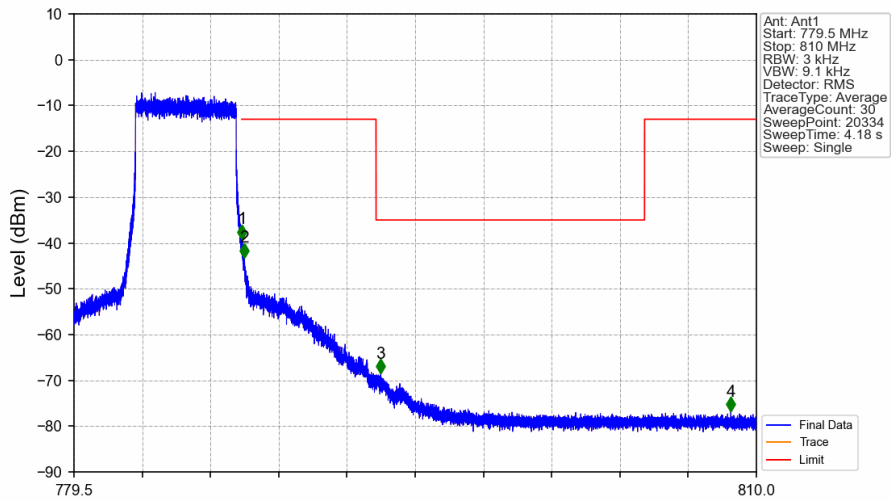


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.000	-26.47	-13	Pass
787.1	793	0.1	/	2	787.110	-31.55	-13	Pass
793	805	0.00625	/	3	795.352	-76.18	-35	Pass
805	810	0.1	/	4	807.181	-76.97	-13	Pass

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTV



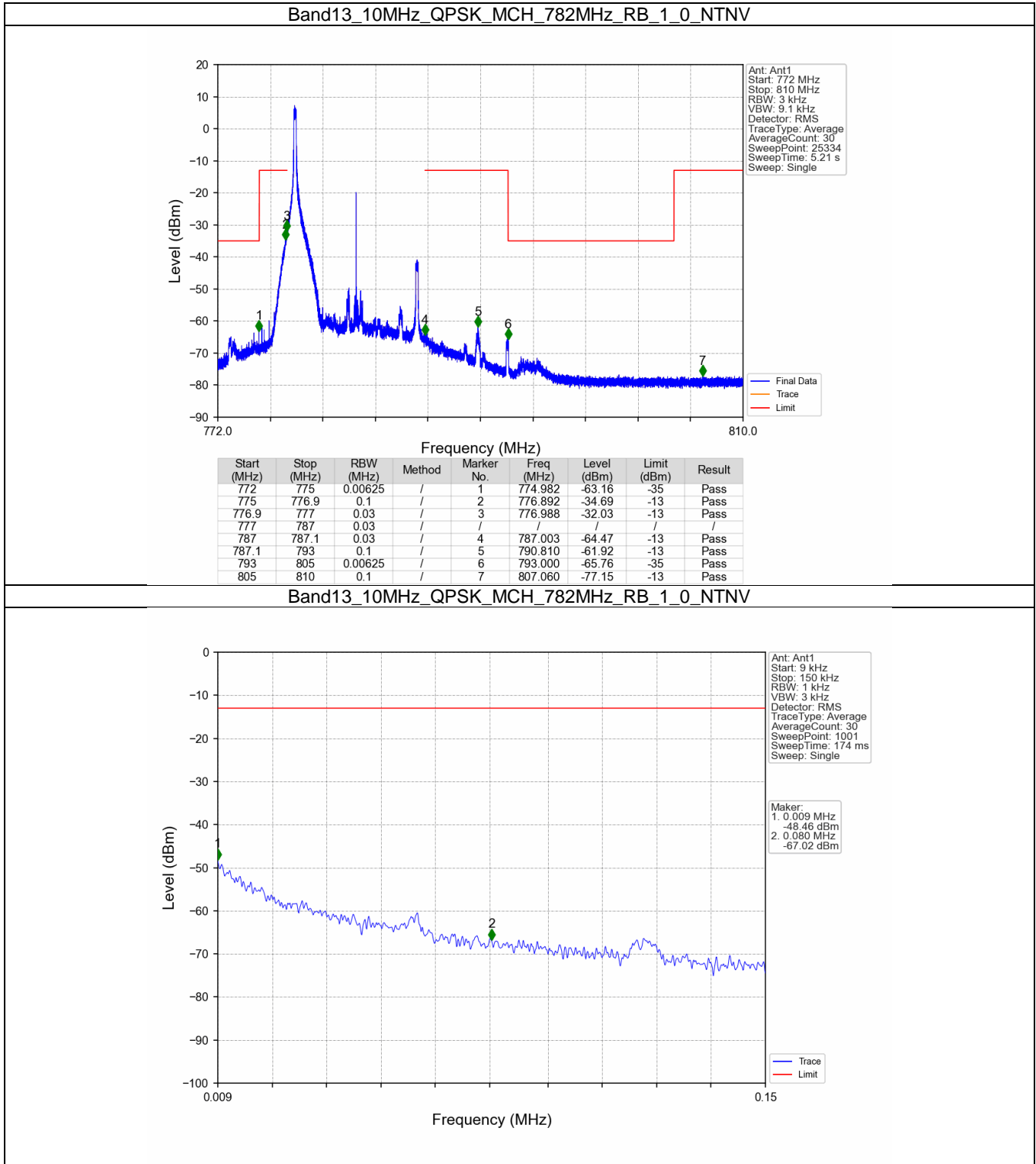
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.012	-39.14	-13	Pass
787.1	793	0.1	/	2	787.114	-43.18	-13	Pass
793	805	0.00625	/	3	793.209	-68.53	-35	Pass
805	810	0.1	/	4	808.857	-76.76	-13	Pass

6.2 B13_10MHz

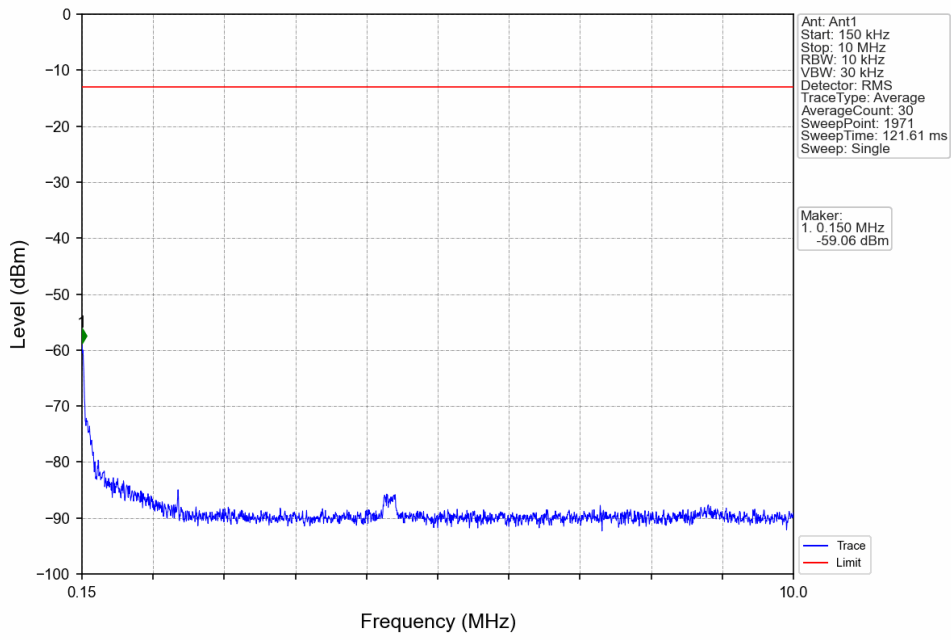
6.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

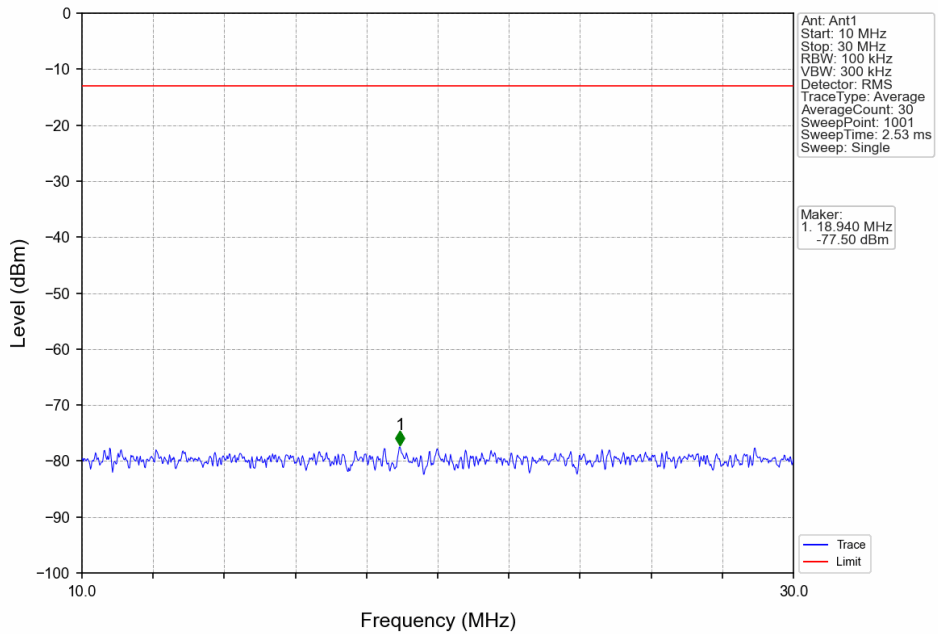
6.2.2 Test Graph



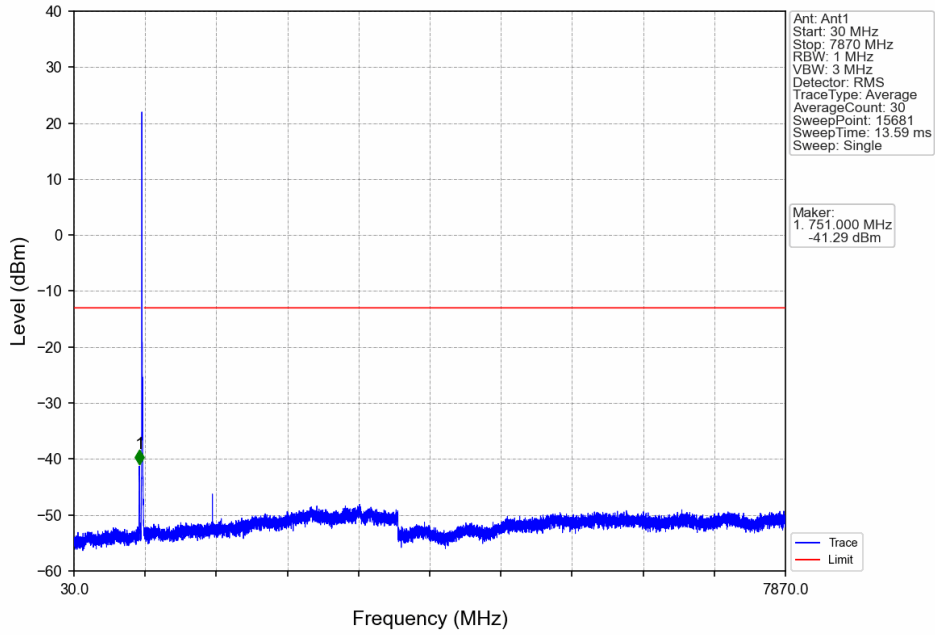
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



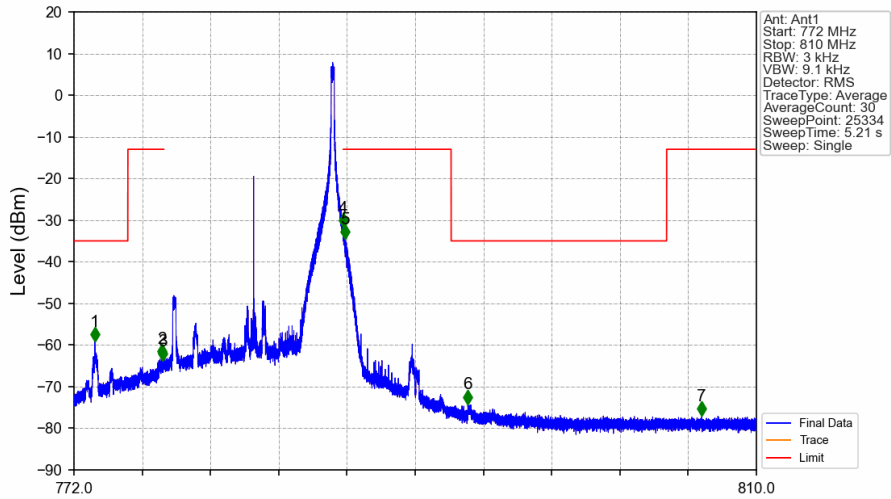
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

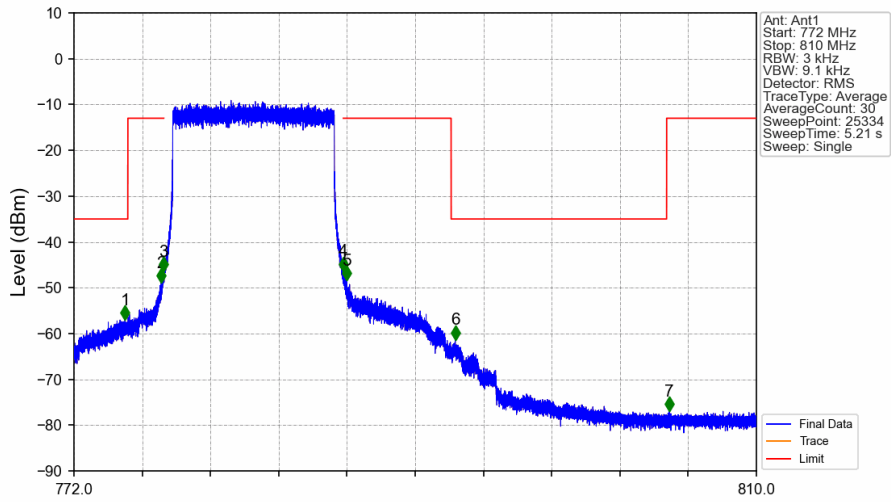


Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV



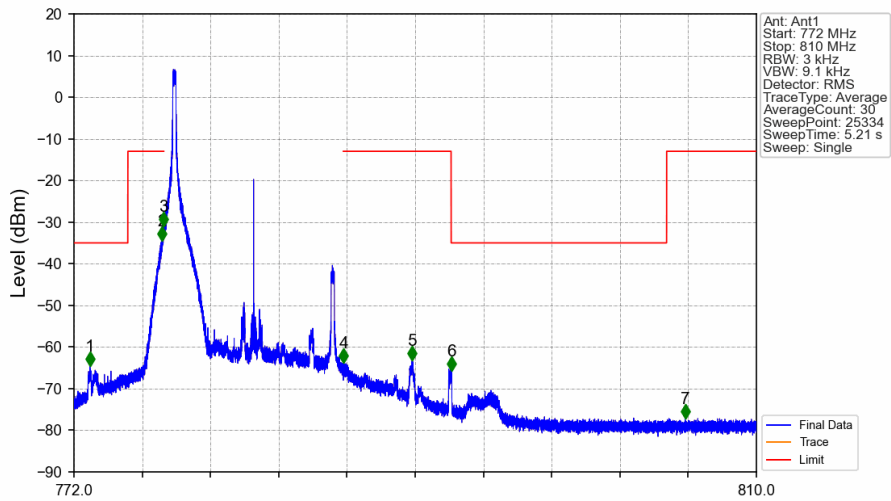
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.163	-59.21	-35	Pass
775	776.9	0.1	/	2	776.896	-63.17	-13	Pass
776.9	777	0.03	/	3	776.944	-63.79	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-31.84	-13	Pass
787.1	793	0.1	/	5	787.110	-34.57	-13	Pass
793	805	0.00625	/	6	793.941	-74.19	-35	Pass
805	810	0.1	/	7	806.956	-77.06	-13	Pass

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



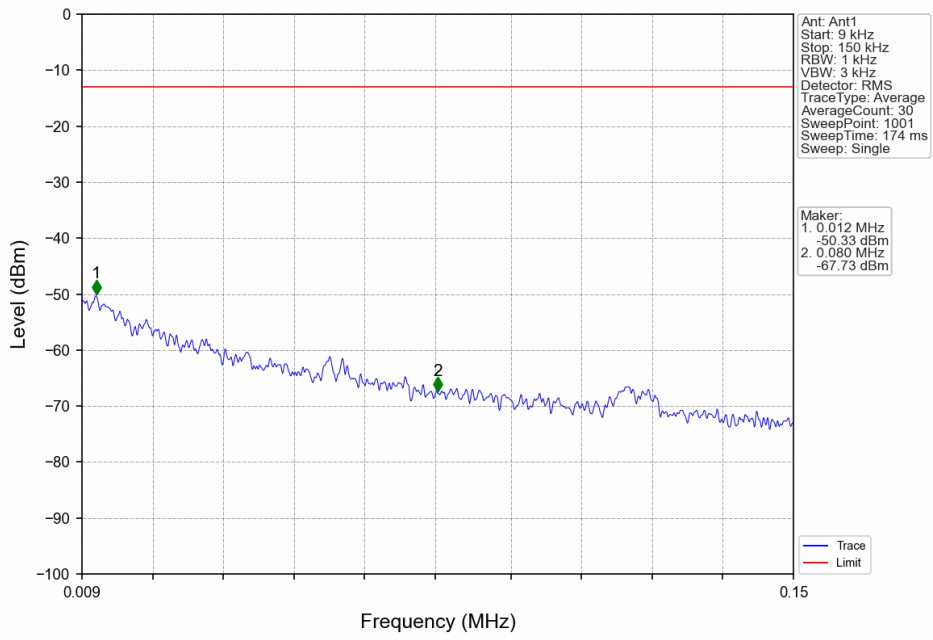
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.841	-57.01	-35	Pass
775	776.9	0.1	/	2	776.856	-48.88	-13	Pass
776.9	777	0.03	/	3	776.997	-46.39	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.003	-46.35	-13	Pass
787.1	793	0.1	/	5	787.180	-48.35	-13	Pass
793	805	0.00625	/	6	793.230	-61.34	-35	Pass
805	810	0.1	/	7	805.150	-76.94	-13	Pass

Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

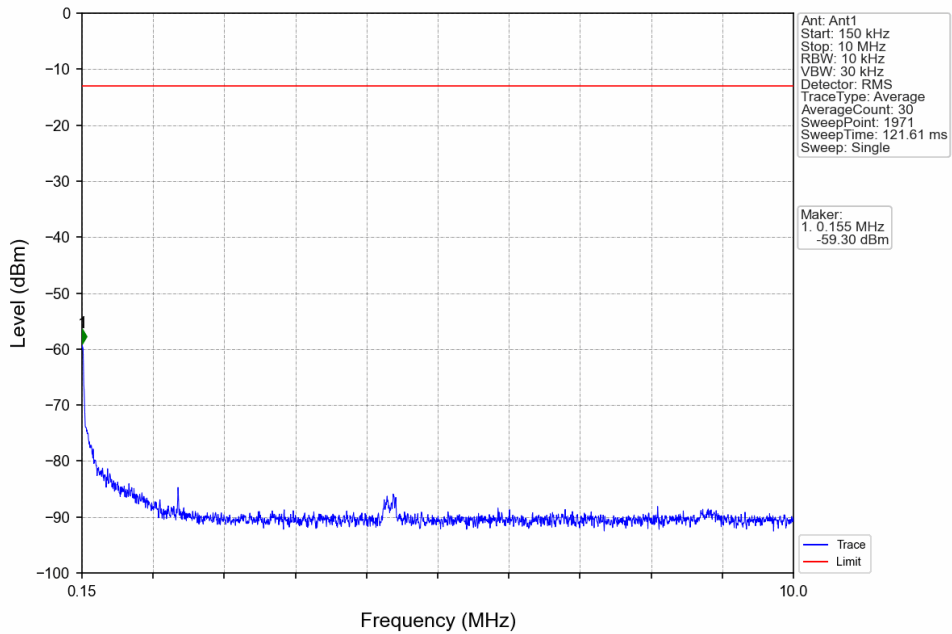


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	772.893	-64.59	-35	Pass
775	776.9	0.1	/	2	776.887	-34.49	-13	Pass
776.9	777	0.03	/	3	776.986	-30.97	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.018	-63.81	-13	Pass
787.1	793	0.1	/	5	790.834	-63.21	-13	Pass
793	805	0.00625	/	6	793.021	-65.72	-35	Pass
805	810	0.1	/	7	806.028	-77.14	-13	Pass

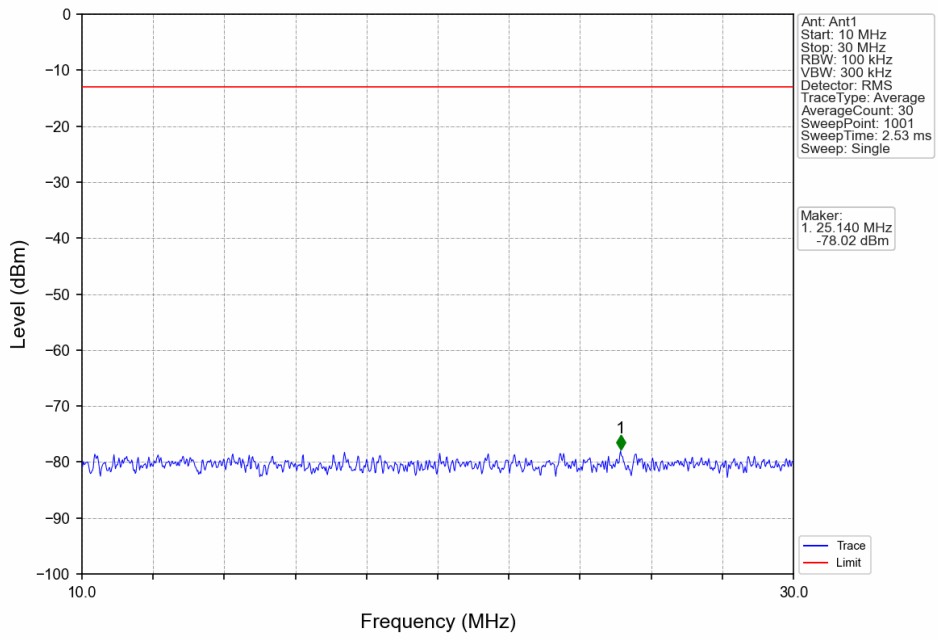
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



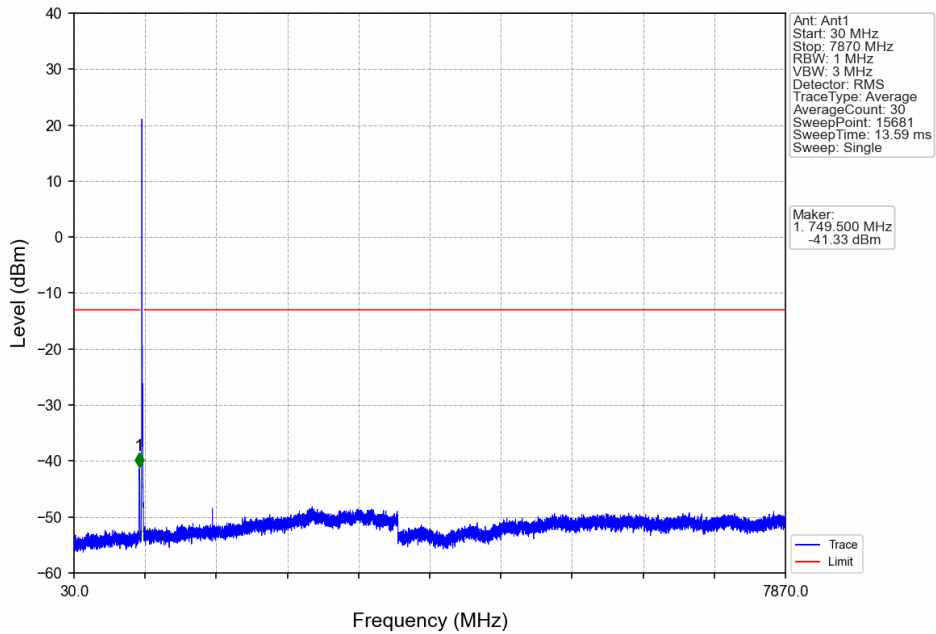
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



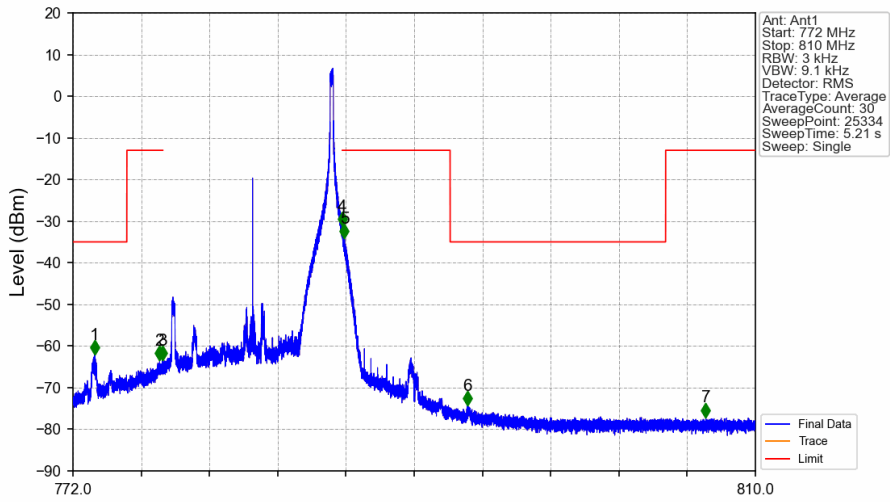
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

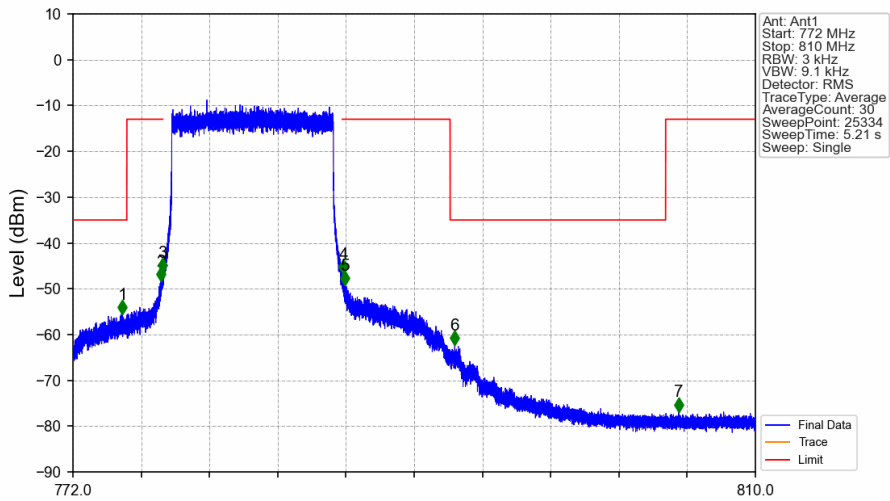


Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.211	-62.07	-35	Pass
775	776.9	0.1	/	2	776.826	-63.48	-13	Pass
776.9	777	0.03	/	3	776.985	-63.38	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-31.25	-13	Pass
787.1	793	0.1	/	5	787.111	-34.18	-13	Pass
793	805	0.00625	/	6	793.956	-74.31	-35	Pass
805	810	0.1	/	7	807.237	-77.13	-13	Pass

Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.747	-55.60	-35	Pass
775	776.9	0.1	/	2	776.896	-48.45	-13	Pass
776.9	777	0.03	/	3	776.983	-46.38	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.051	-46.77	-13	Pass
787.1	793	0.1	/	5	787.119	-49.31	-13	Pass
793	805	0.00625	/	6	793.261	-62.26	-35	Pass
805	810	0.1	/	7	805.723	-76.88	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
13	5	779.5	784.5	0.2042	0.0151	ppm	4M60G7D	27F	23.10
13	5	779.5	784.5	0.2065	0.0169	ppm	4M62W7D	27F	23.15
13	10	782	782	0.2089	0.0115	ppm	9M21G7D	27F	23.20
13	10	782	782	0.1667	0.0096	ppm	9M18W7D	27F	22.22

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
13	5	779.5	784.5	0.0543	0.0151	ppm	4M60G7D	27F	17.35
13	5	779.5	784.5	0.0549	0.0169	ppm	4M62W7D	27F	17.4
13	10	782	782	0.0555	0.0115	ppm	9M21G7D	27F	17.45
13	10	782	782	0.0443	0.0096	ppm	9M18W7D	27F	16.47