

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	22.59	0.43	20.87	<=34.77	Pass		
			13	22.69	0.43	20.97	<=34.77	Pass		
			24	22.53	0.43	20.81	<=34.77	Pass		
		12	0	21.57	0.43	19.85	<=34.77	Pass		
			6	21.72	0.43	20.00	<=34.77	Pass		
			13	21.50	0.43	19.78	<=34.77	Pass		
		25	0	21.52	0.43	19.80	<=34.77	Pass		
		782	1	0	22.54	0.43	20.82	<=34.77	Pass	
				13	22.59	0.43	20.87	<=34.77	Pass	
	24			22.44	0.43	20.72	<=34.77	Pass		
	12		0	21.73	0.43	20.01	<=34.77	Pass		
			6	21.63	0.43	19.91	<=34.77	Pass		
			13	21.50	0.43	19.78	<=34.77	Pass		
	25	0	21.60	0.43	19.88	<=34.77	Pass			
	784.5	1	0	22.46	0.43	20.74	<=34.77	Pass		
			13	22.55	0.43	20.83	<=34.77	Pass		
			24	22.40	0.43	20.68	<=34.77	Pass		
		12	0	21.58	0.43	19.86	<=34.77	Pass		
			6	21.57	0.43	19.85	<=34.77	Pass		
			13	21.59	0.43	19.87	<=34.77	Pass		
		25	0	21.62	0.43	19.90	<=34.77	Pass		
		16QAM	779.5	1	0	21.63	0.43	19.91	<=34.77	Pass
					13	21.82	0.43	20.10	<=34.77	Pass
	24				21.64	0.43	19.92	<=34.77	Pass	
12	0			20.55	0.43	18.83	<=34.77	Pass		
	6			20.70	0.43	18.98	<=34.77	Pass		
	13			20.58	0.43	18.86	<=34.77	Pass		
25	0			20.58	0.43	18.86	<=34.77	Pass		
782	1			0	21.43	0.43	19.71	<=34.77	Pass	
				13	21.46	0.43	19.74	<=34.77	Pass	
			24	21.33	0.43	19.61	<=34.77	Pass		
	12		0	20.72	0.43	19.00	<=34.77	Pass		
			6	20.67	0.43	18.95	<=34.77	Pass		
			13	20.50	0.43	18.78	<=34.77	Pass		
25	0		20.74	0.43	19.02	<=34.77	Pass			
784.5	1		0	21.78	0.43	20.06	<=34.77	Pass		
			13	21.82	0.43	20.10	<=34.77	Pass		
			24	21.63	0.43	19.91	<=34.77	Pass		
	12		0	20.65	0.43	18.93	<=34.77	Pass		
			6	20.65	0.43	18.93	<=34.77	Pass		
			13	20.65	0.43	18.93	<=34.77	Pass		
	25		0	20.65	0.43	18.93	<=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	22.62	0.43	20.90	<=34.77	Pass		
			25	22.73	0.43	21.01	<=34.77	Pass		
			49	22.44	0.43	20.72	<=34.77	Pass		
		25	0	21.81	0.43	20.09	<=34.77	Pass		
			13	21.69	0.43	19.97	<=34.77	Pass		
			25	21.61	0.43	19.89	<=34.77	Pass		
		50	0	21.73	0.43	20.01	<=34.77	Pass		
		16QAM	782	1	0	22.03	0.43	20.31	<=34.77	Pass
					25	22.36	0.43	20.64	<=34.77	Pass
49	21.99				0.43	20.27	<=34.77	Pass		
25	0			20.92	0.43	19.20	<=34.77	Pass		
	13			20.78	0.43	19.06	<=34.77	Pass		
	25			20.73	0.43	19.01	<=34.77	Pass		
50	0			20.78	0.43	19.06	<=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	3.176	0.0041	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0023	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-5.393	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-8.025	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0069	-2.5 to 2.5	Pass
	50	3.85	-5.980	-0.0077	-2.5 to 2.5	Pass			
	782	25	0	20	3.27	-6.809	-0.0087	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0076	-2.5 to 2.5	Pass
					4.43	-3.190	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-15.321	-0.0196	-2.5 to 2.5	Pass
				-20	3.85	-7.439	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-7.939	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-7.253	-0.0093	-2.5 to 2.5	Pass
40				3.85	-6.709	-0.0086	-2.5 to 2.5	Pass	

	784.5	25	0	50	3.85	-8.469	-0.0108	-2.5 to 2.5	Pass				
				20	3.27	-5.093	-0.0065	-2.5 to 2.5	Pass				
					3.85	-5.164	-0.0066	-2.5 to 2.5	Pass				
					4.43	-6.166	-0.0079	-2.5 to 2.5	Pass				
				-30	3.85	-4.921	-0.0063	-2.5 to 2.5	Pass				
				-20	3.85	-5.264	-0.0067	-2.5 to 2.5	Pass				
				-10	3.85	-6.437	-0.0082	-2.5 to 2.5	Pass				
				0	3.85	-10.300	-0.0131	-2.5 to 2.5	Pass				
				10	3.85	-7.253	-0.0092	-2.5 to 2.5	Pass				
				30	3.85	-6.351	-0.0081	-2.5 to 2.5	Pass				
				40	3.85	-8.411	-0.0107	-2.5 to 2.5	Pass				
				50	3.85	-7.167	-0.0091	-2.5 to 2.5	Pass				
				16QAM	779.5	25	0	20	3.27	-6.452	-0.0083	-2.5 to 2.5	Pass
									3.85	-3.676	-0.0047	-2.5 to 2.5	Pass
									4.43	-12.259	-0.0157	-2.5 to 2.5	Pass
								-30	3.85	-5.093	-0.0065	-2.5 to 2.5	Pass
								-20	3.85	-6.080	-0.0078	-2.5 to 2.5	Pass
								-10	3.85	-6.080	-0.0078	-2.5 to 2.5	Pass
								0	3.85	-6.652	-0.0085	-2.5 to 2.5	Pass
10	3.85	-5.107	-0.0066					-2.5 to 2.5	Pass				
30	3.85	-4.406	-0.0057					-2.5 to 2.5	Pass				
40	3.85	-9.198	-0.0118		-2.5 to 2.5	Pass							
50	3.85	-4.363	-0.0056		-2.5 to 2.5	Pass							
782	25	0	20		3.27	-7.010	-0.0090	-2.5 to 2.5	Pass				
					3.85	-6.237	-0.0080	-2.5 to 2.5	Pass				
					4.43	-5.879	-0.0075	-2.5 to 2.5	Pass				
			-30		3.85	-6.266	-0.0080	-2.5 to 2.5	Pass				
			-20		3.85	-6.638	-0.0085	-2.5 to 2.5	Pass				
			-10		3.85	-9.284	-0.0119	-2.5 to 2.5	Pass				
			0		3.85	-9.241	-0.0118	-2.5 to 2.5	Pass				
			10		3.85	-4.520	-0.0058	-2.5 to 2.5	Pass				
			30	3.85	-5.922	-0.0076	-2.5 to 2.5	Pass					
40	3.85	-7.010	-0.0090	-2.5 to 2.5	Pass								
50	3.85	-6.967	-0.0089	-2.5 to 2.5	Pass								
784.5	25	0	20	3.27	-7.854	-0.0100	-2.5 to 2.5	Pass					
				3.85	-5.565	-0.0071	-2.5 to 2.5	Pass					
				4.43	-5.379	-0.0069	-2.5 to 2.5	Pass					
			-30	3.85	-3.591	-0.0046	-2.5 to 2.5	Pass					
			-20	3.85	-6.409	-0.0082	-2.5 to 2.5	Pass					
			-10	3.85	-7.381	-0.0094	-2.5 to 2.5	Pass					
			0	3.85	-6.809	-0.0087	-2.5 to 2.5	Pass					
			10	3.85	-6.380	-0.0081	-2.5 to 2.5	Pass					
			30	3.85	-8.655	-0.0110	-2.5 to 2.5	Pass					
40	3.85	-9.270	-0.0118	-2.5 to 2.5	Pass								
50	3.85	-6.938	-0.0088	-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	-14.691	-0.0188	-2.5 to 2.5	Pass
							3.85	-12.817	-0.0164	-2.5 to 2.5	Pass

					4.43	-8.883	-0.0114	-2.5 to 2.5	Pass				
				-30	3.85	-9.656	-0.0123	-2.5 to 2.5	Pass				
				-20	3.85	-9.756	-0.0125	-2.5 to 2.5	Pass				
				-10	3.85	-9.441	-0.0121	-2.5 to 2.5	Pass				
				0	3.85	-44.174	-0.0565	-2.5 to 2.5	Pass				
				10	3.85	-9.127	-0.0117	-2.5 to 2.5	Pass				
				30	3.85	-7.682	-0.0098	-2.5 to 2.5	Pass				
				40	3.85	-8.640	-0.0110	-2.5 to 2.5	Pass				
				50	3.85	-6.323	-0.0081	-2.5 to 2.5	Pass				
16QAM	782	50	0	20	3.27	-6.080	-0.0078	-2.5 to 2.5	Pass				
					3.85	-2.918	-0.0037	-2.5 to 2.5	Pass				
					4.43	-6.523	-0.0083	-2.5 to 2.5	Pass				
								-30	3.85	-7.710	-0.0099	-2.5 to 2.5	Pass
								-20	3.85	-11.530	-0.0147	-2.5 to 2.5	Pass
								-10	3.85	-7.682	-0.0098	-2.5 to 2.5	Pass
								0	3.85	-7.954	-0.0102	-2.5 to 2.5	Pass
								10	3.85	-6.022	-0.0077	-2.5 to 2.5	Pass
								30	3.85	-8.612	-0.0110	-2.5 to 2.5	Pass
								40	3.85	-5.450	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-3.948	-0.0050	-2.5 to 2.5	Pass				

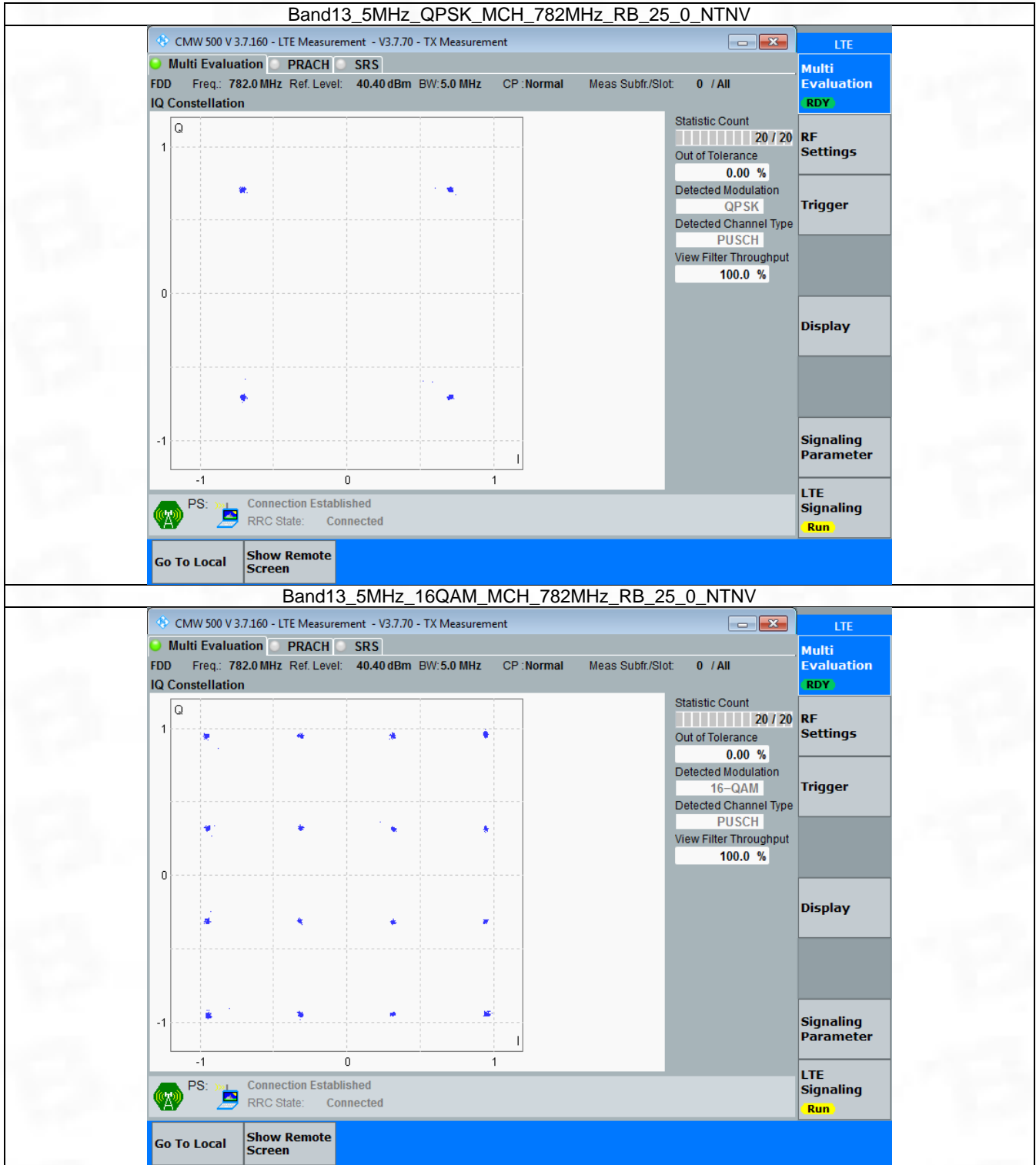
3. Modulation Characteristics

3.1 B13_5MHz

3.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
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

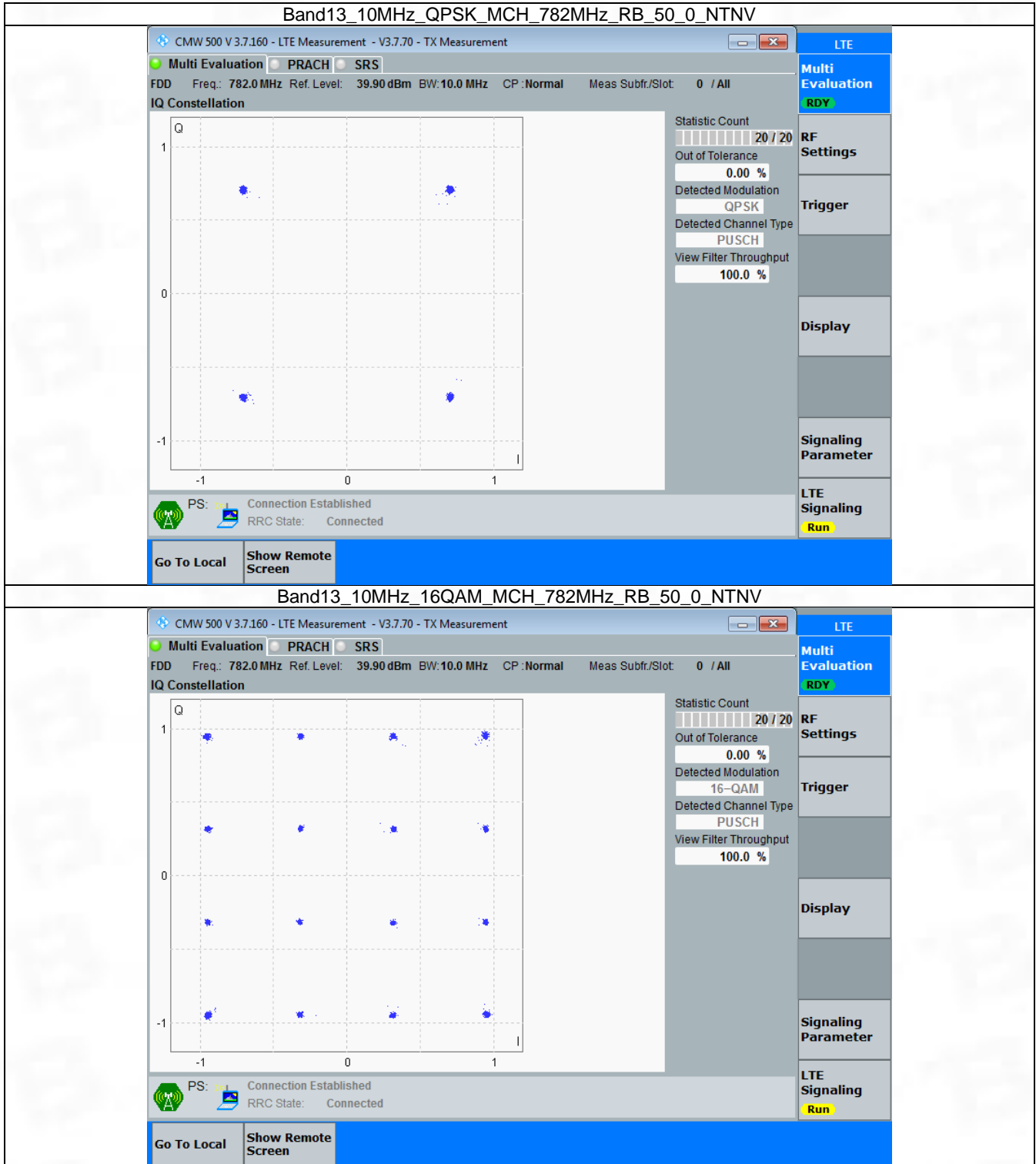


3.2 B13_10MHz

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



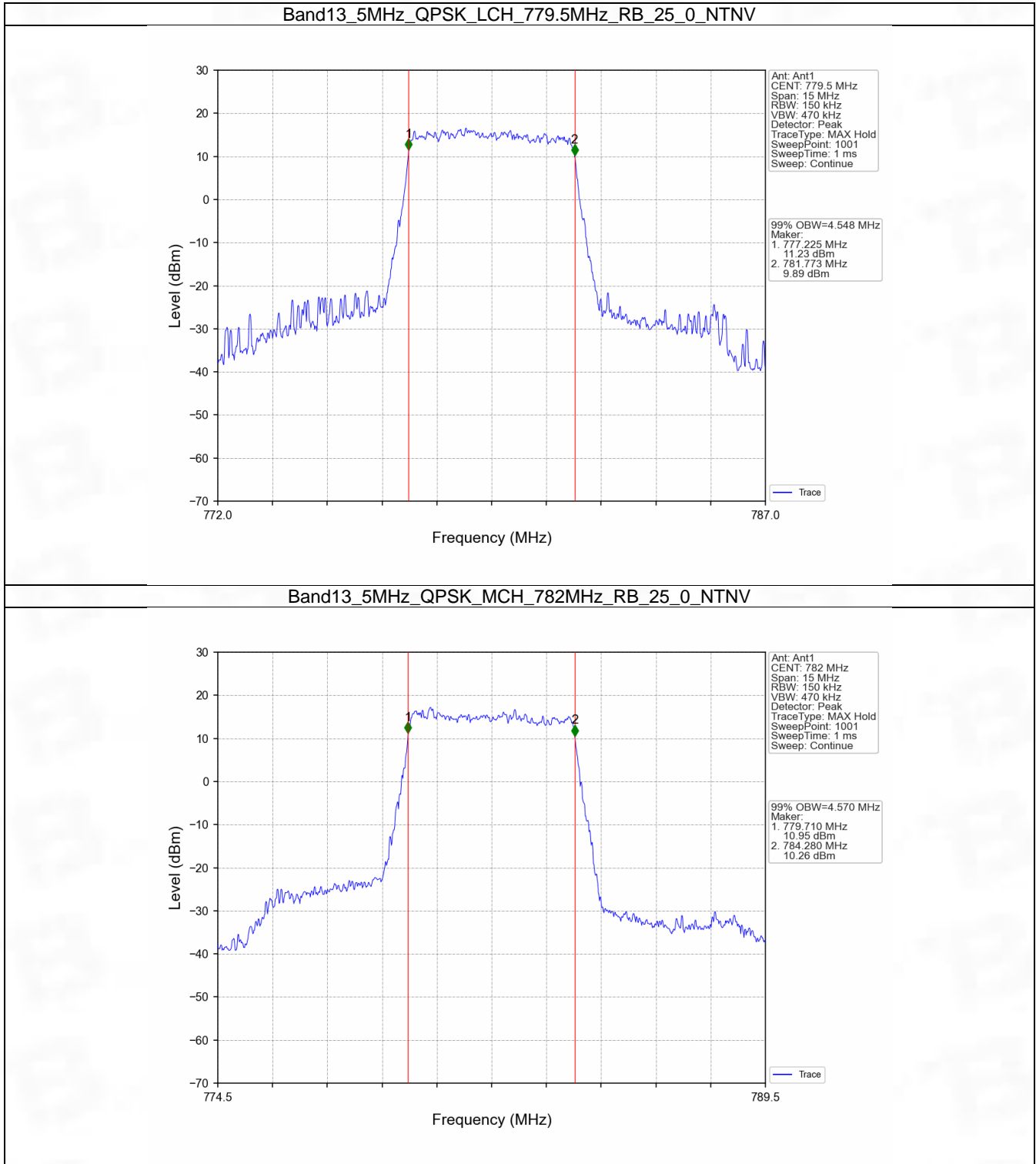
4. 99% & 26dB Bandwidth

4.1 Band13_OBW

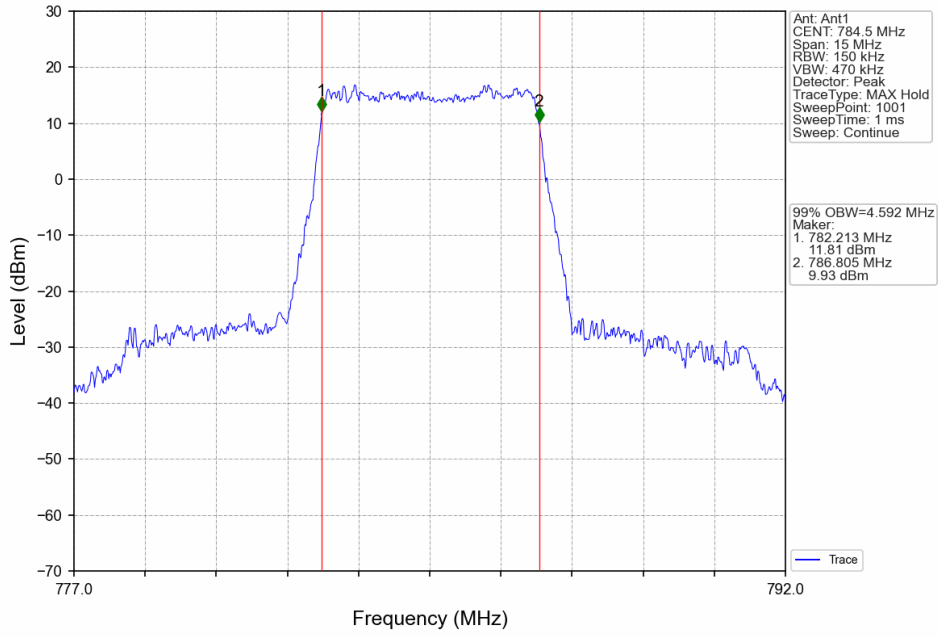
4.1.1 Test Result

Band: 13 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.548	Pass
		782	25	0	4.570	Pass
		784.5	25	0	4.592	Pass
	16QAM	779.5	25	0	4.576	Pass
		782	25	0	4.588	Pass
		784.5	25	0	4.568	Pass
10	QPSK	782	50	0	9.108	Pass
	16QAM	782	50	0	9.104	Pass

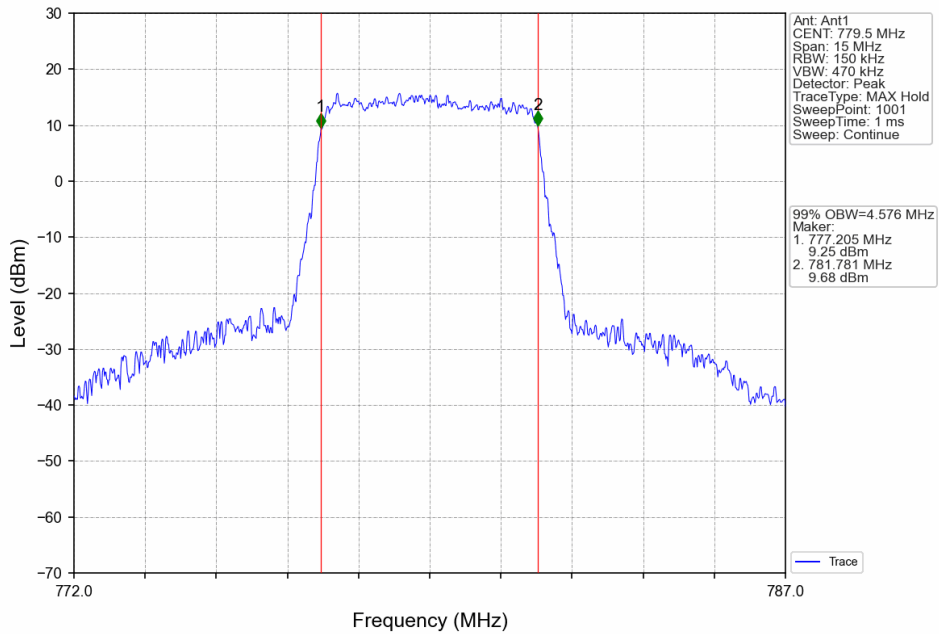
4.1.2 Test Graph



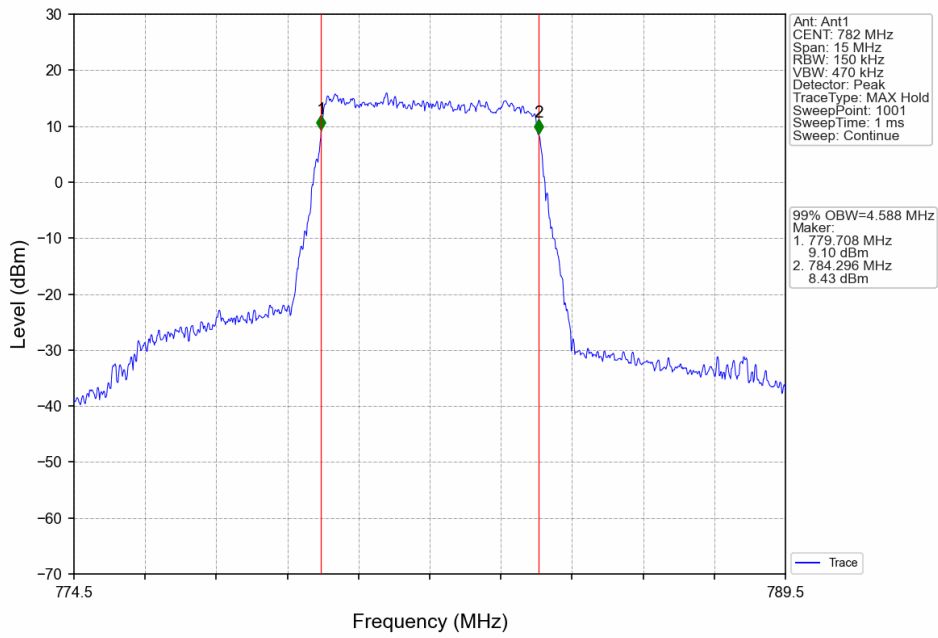
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



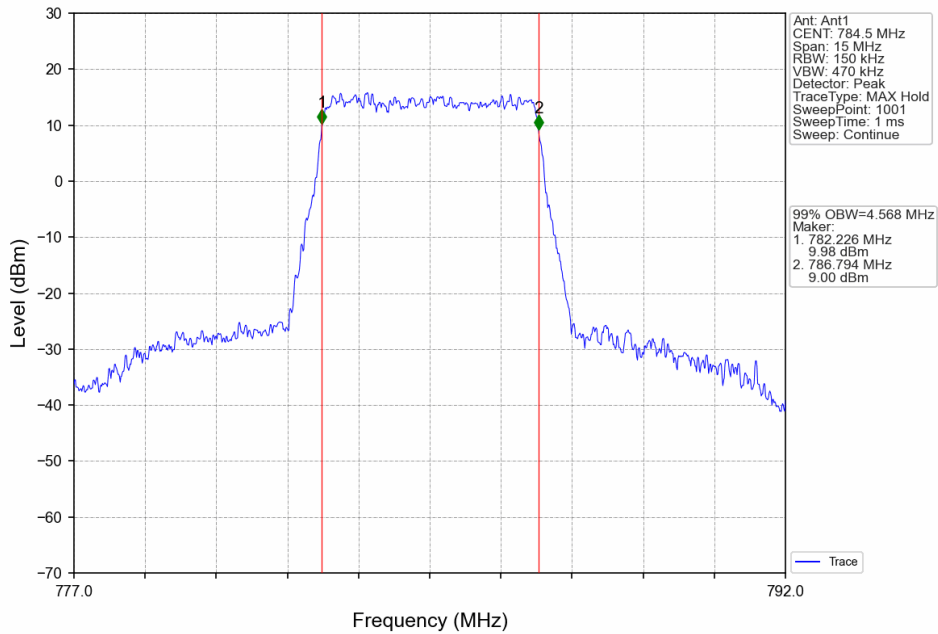
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



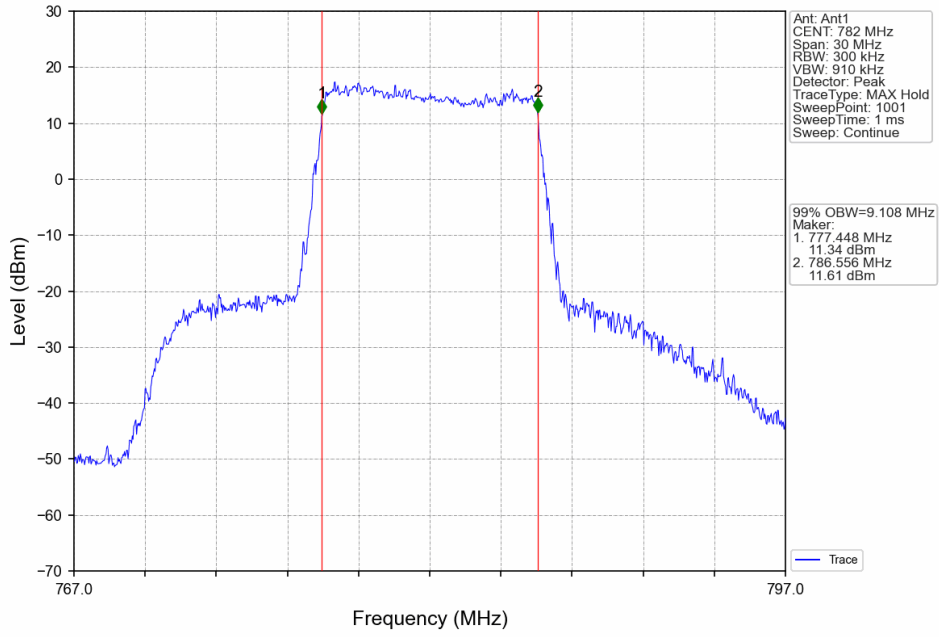
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



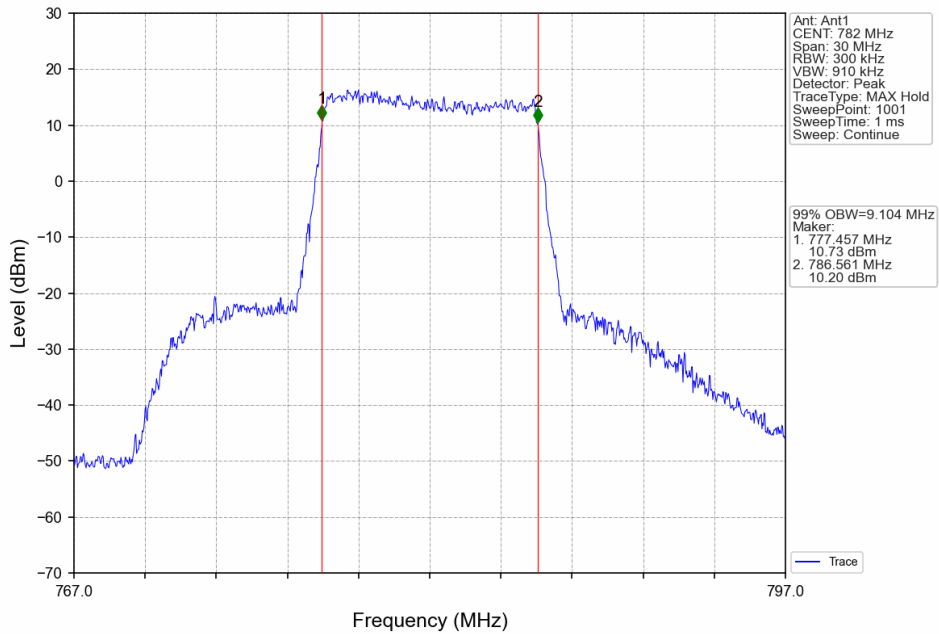
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

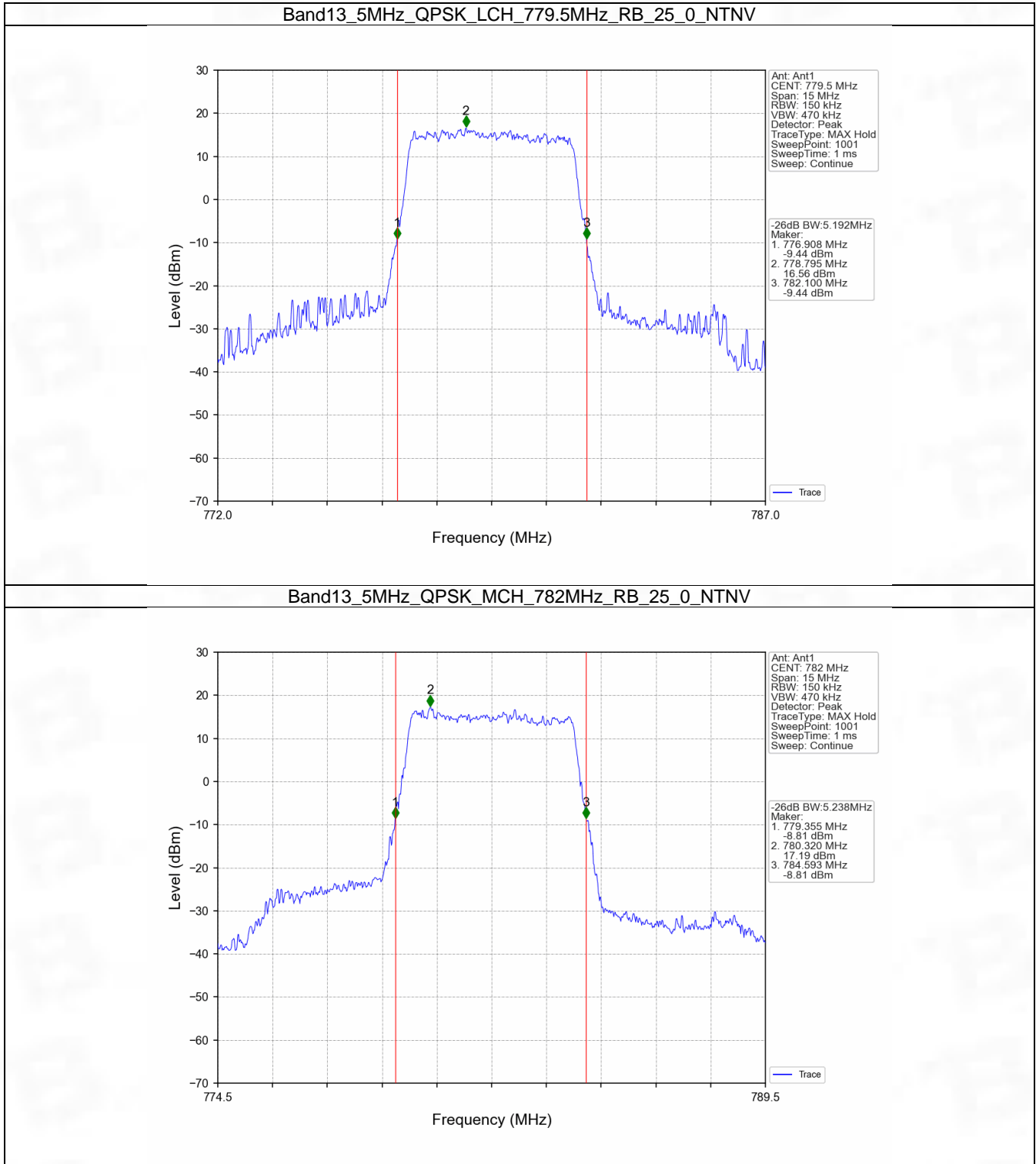


4.2 Band13_XDB

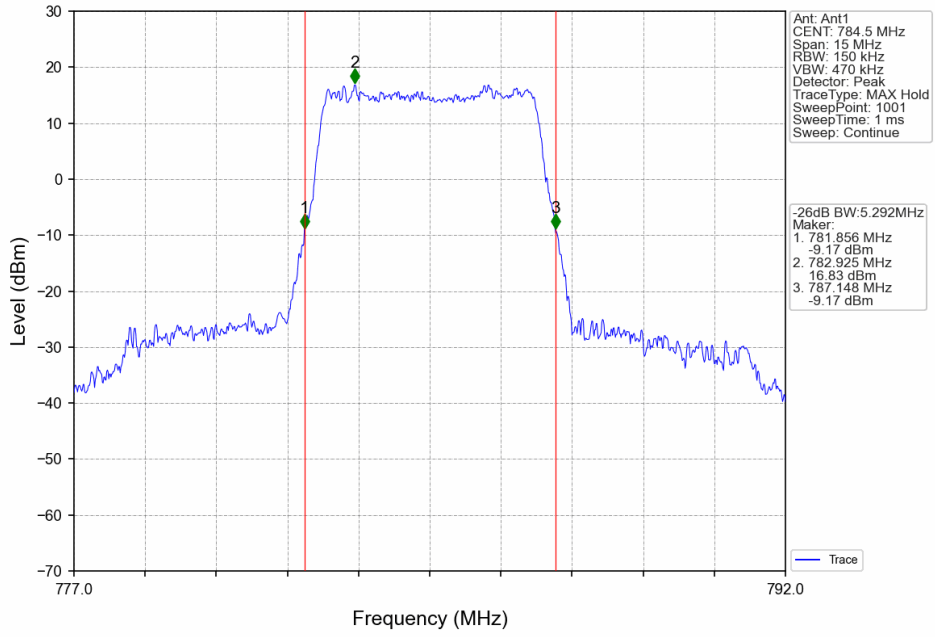
4.2.1 Test Result

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	5.192	Pass
		782	25	0	5.238	Pass
		784.5	25	0	5.292	Pass
	16QAM	779.5	25	0	5.242	Pass
		782	25	0	5.270	Pass
		784.5	25	0	5.299	Pass
10	QPSK	782	50	0	10.305	Pass
	16QAM	782	50	0	10.297	Pass

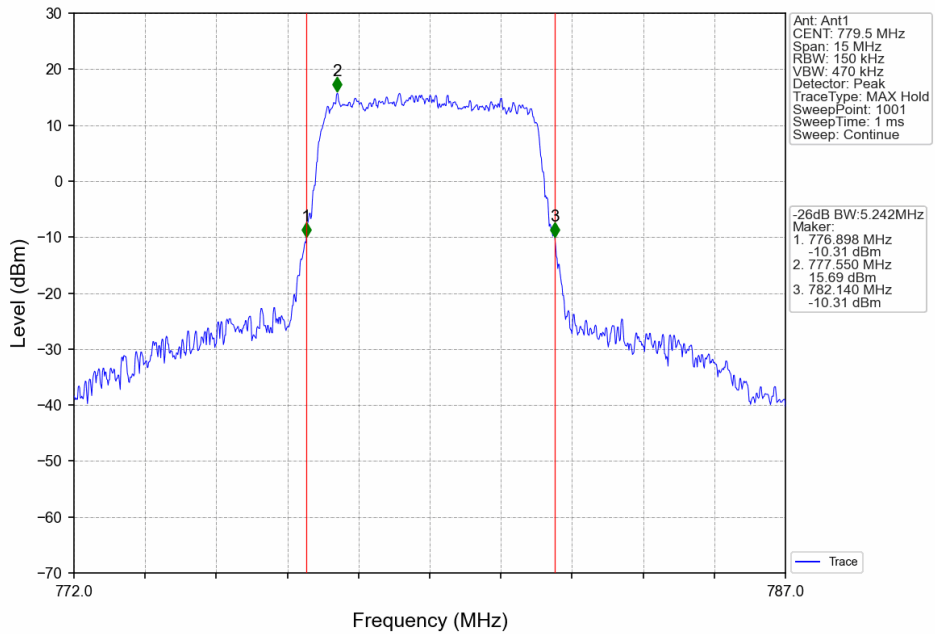
4.2.2 Test Graph



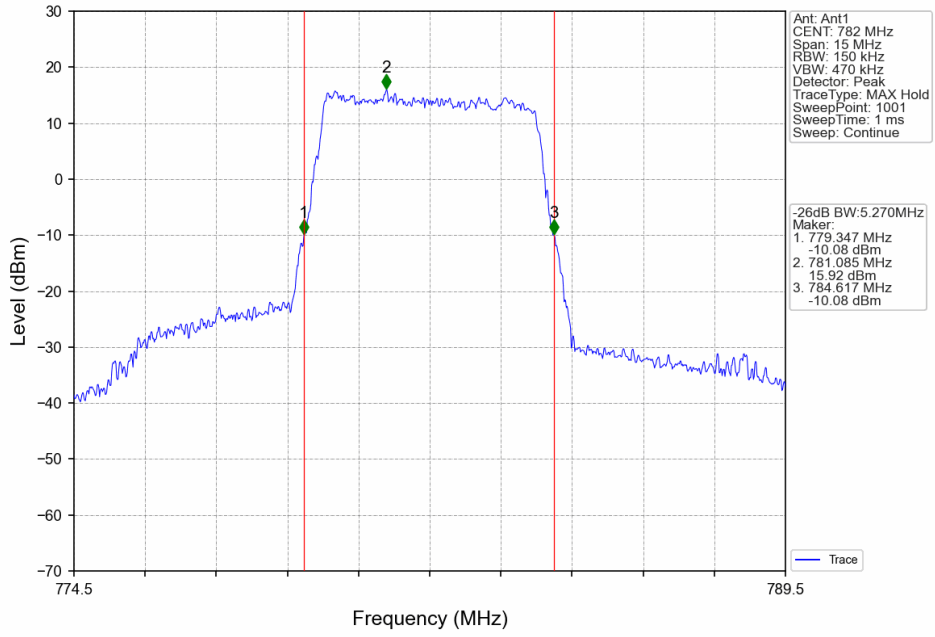
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



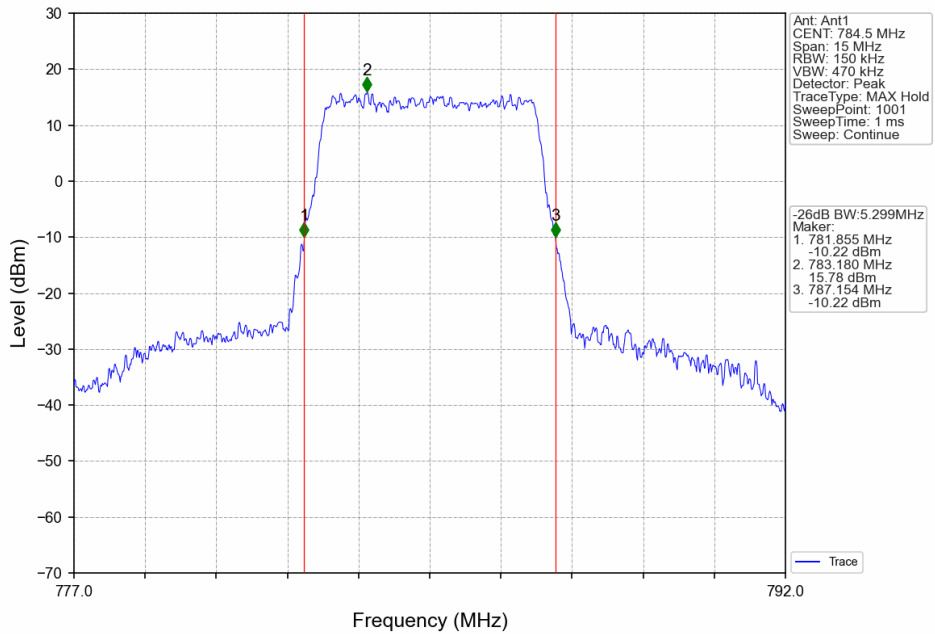
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



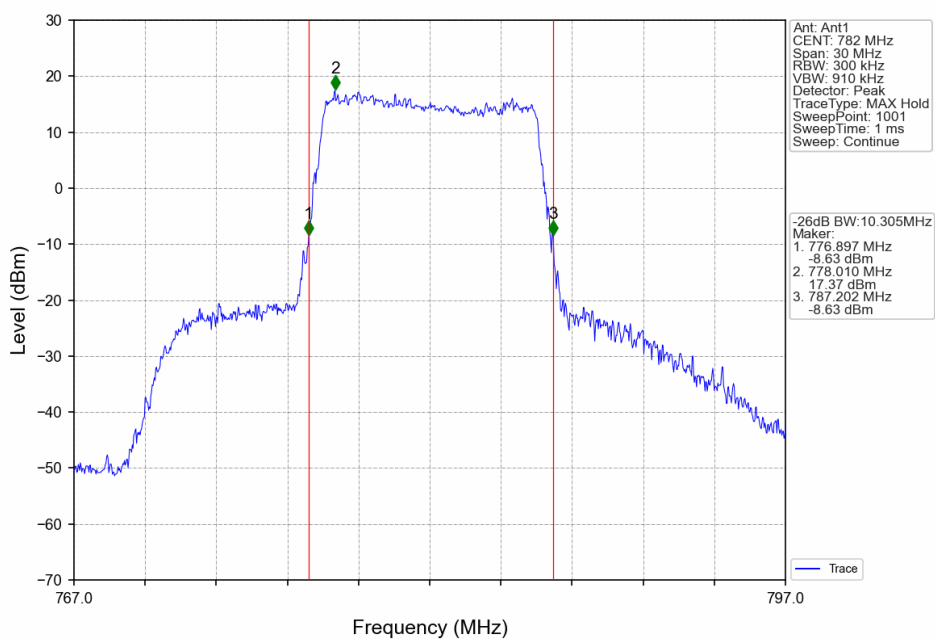
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



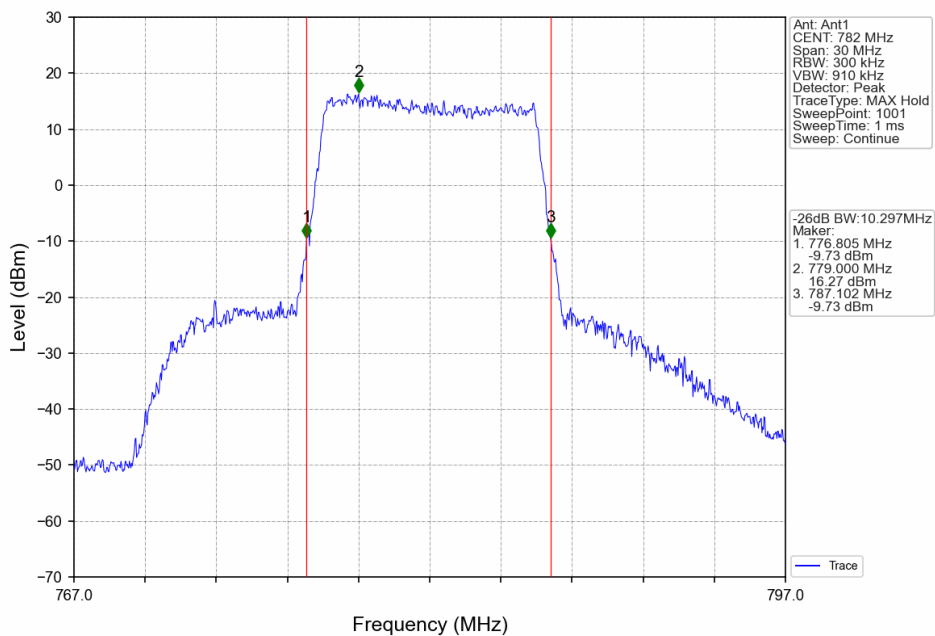
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



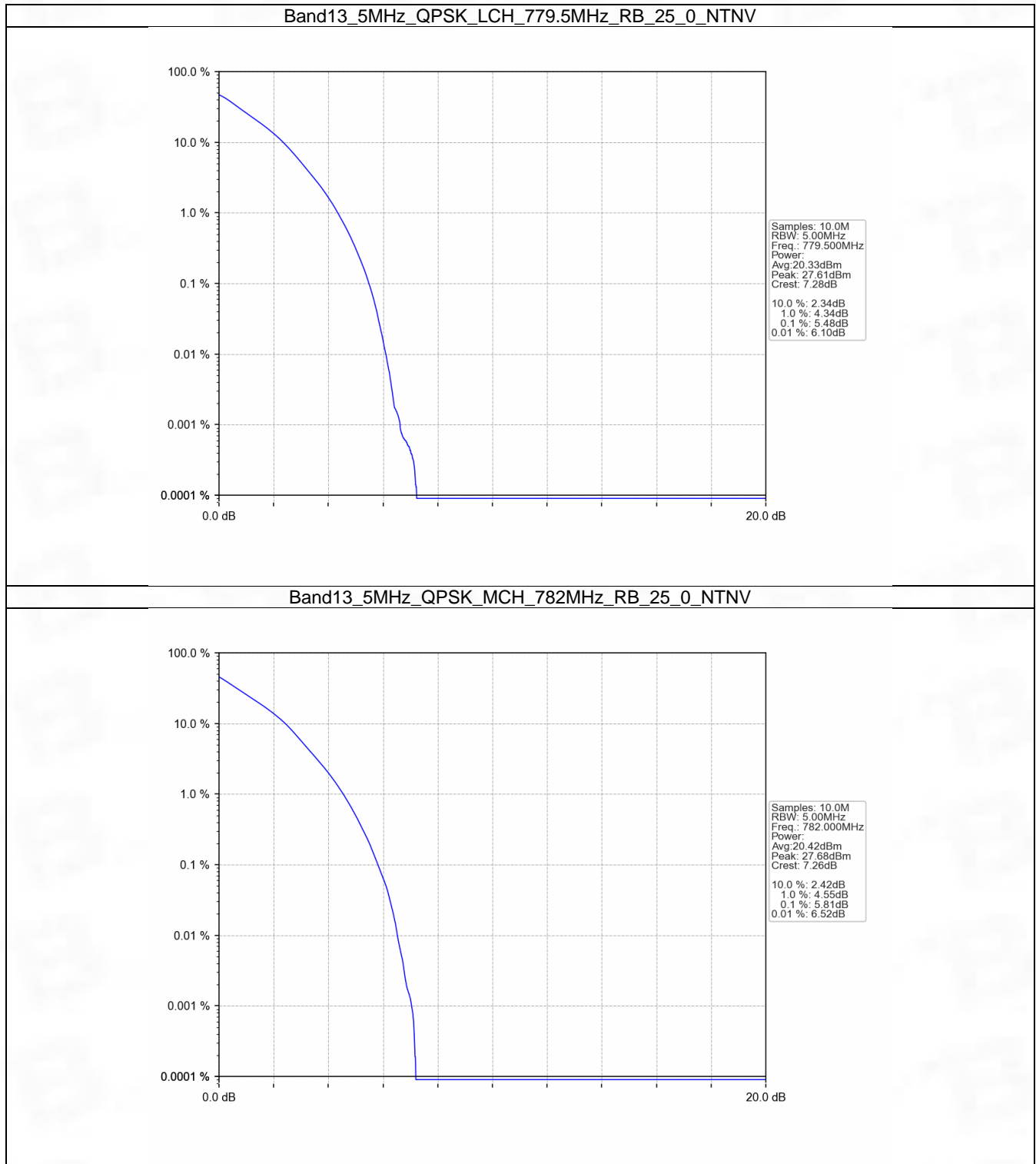
5. Peak-Average Ratio

5.1 B13_5MHz

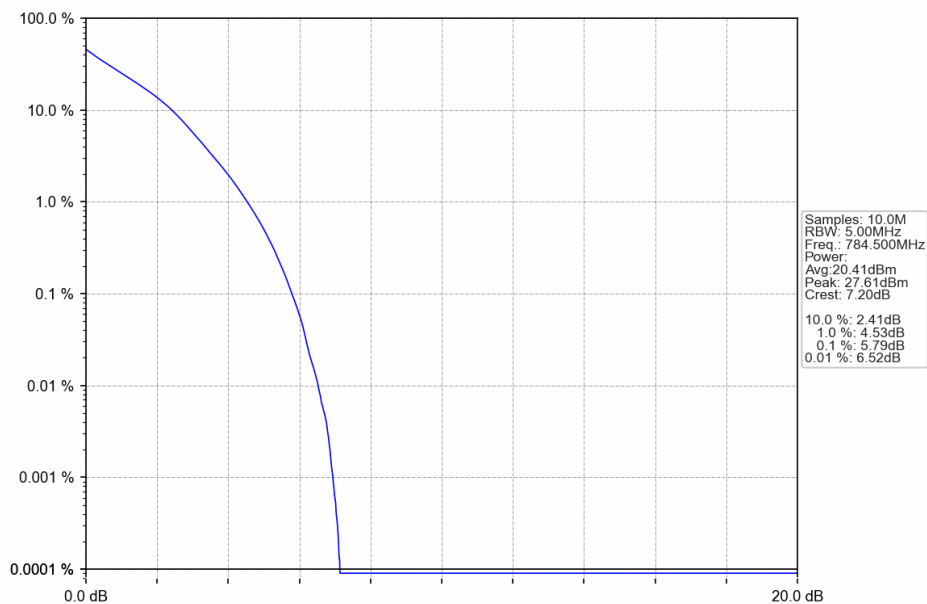
5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.48	<=13	Pass
	782	25	0	5.81	<=13	Pass
	784.5	25	0	5.79	<=13	Pass
16QAM	779.5	25	0	6.18	<=13	Pass
	782	25	0	6.54	<=13	Pass
	784.5	25	0	6.42	<=13	Pass

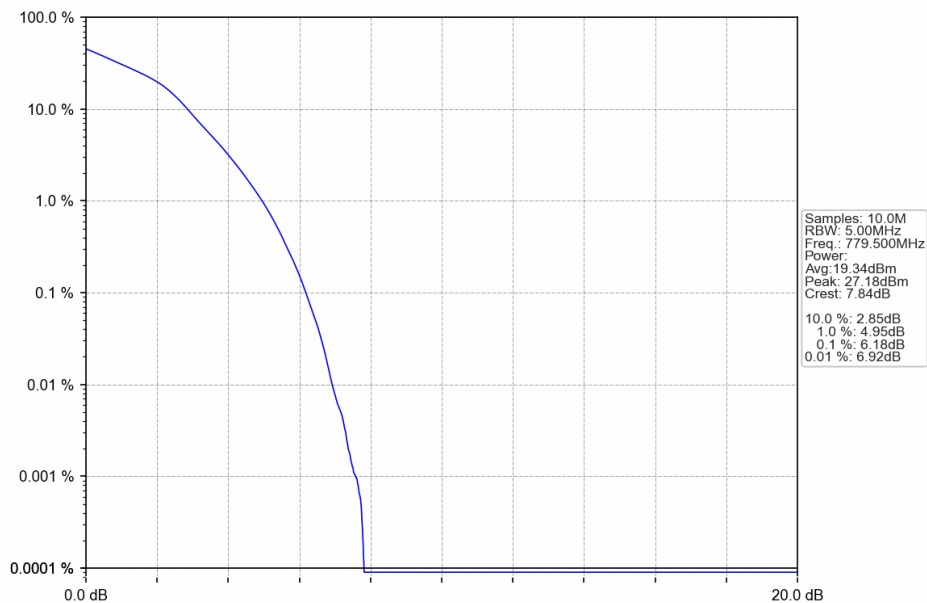
5.1.2 Test Graph



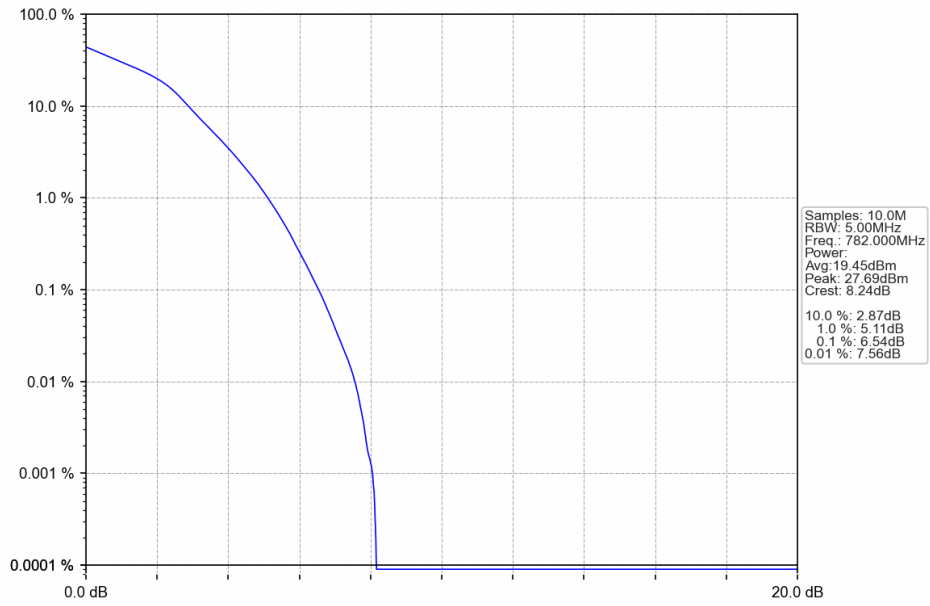
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



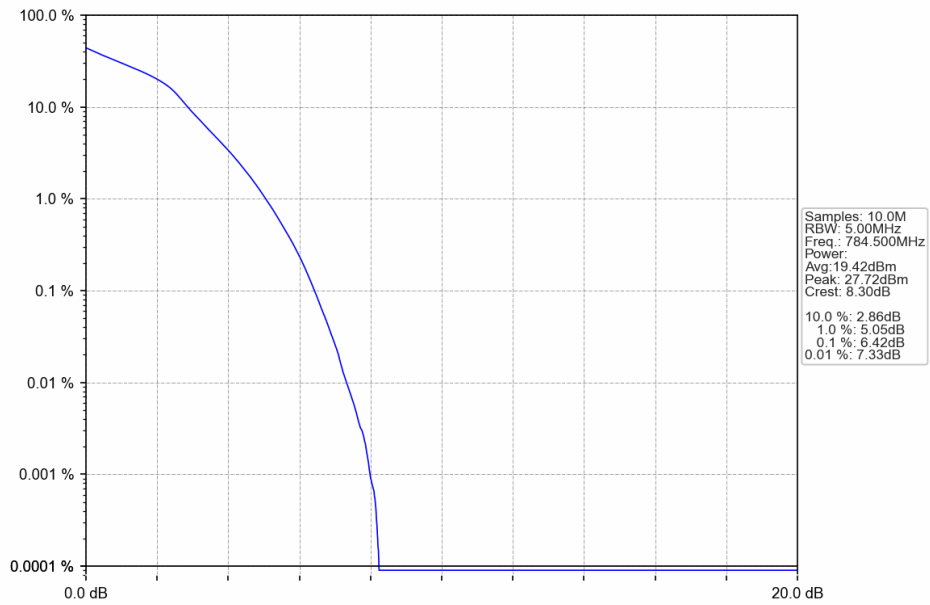
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

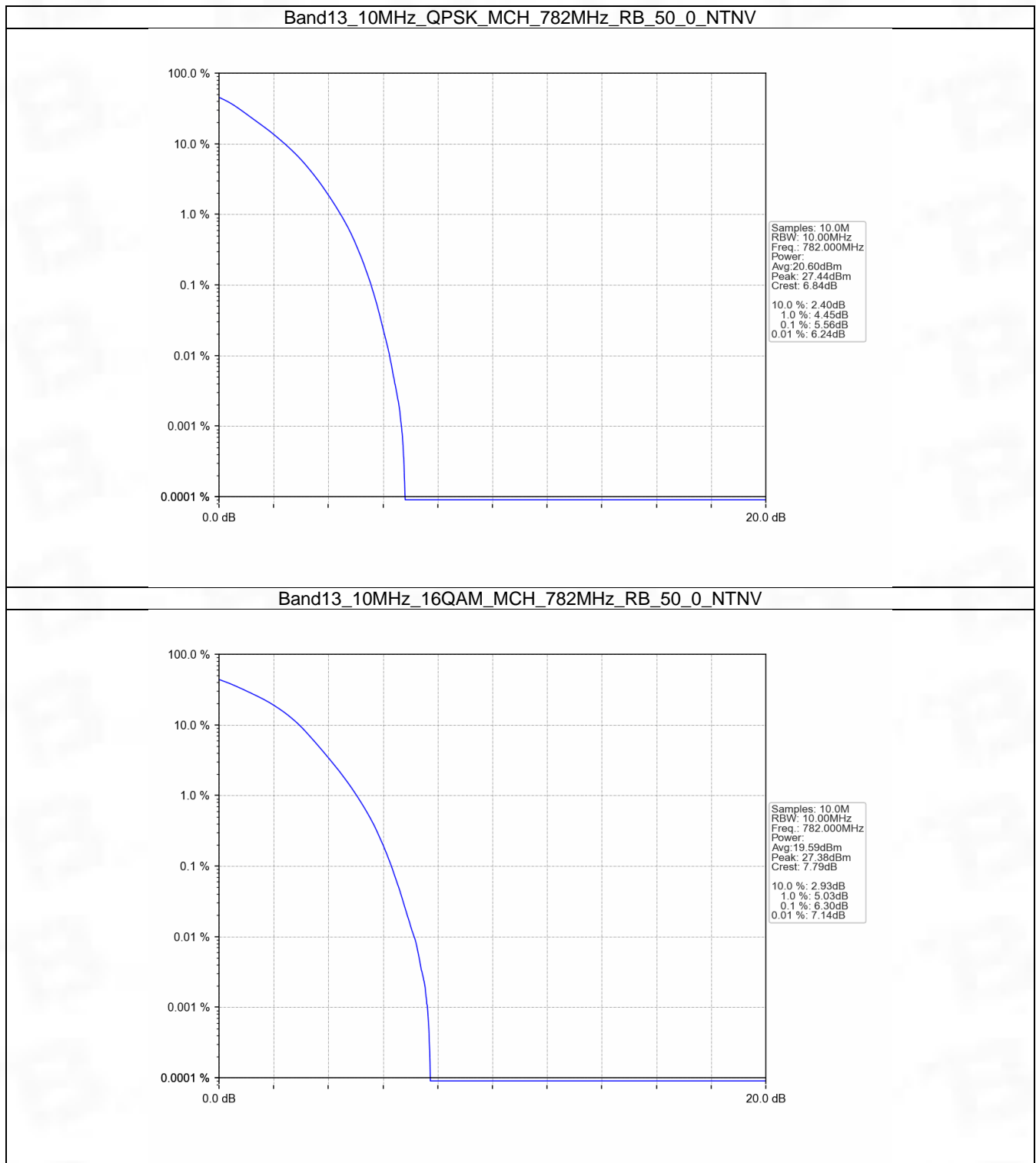


5.2 B13_10MHz

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	5.56	<=13	Pass
16QAM	782	50	0	6.30	<=13	Pass

5.2.2 Test Graph



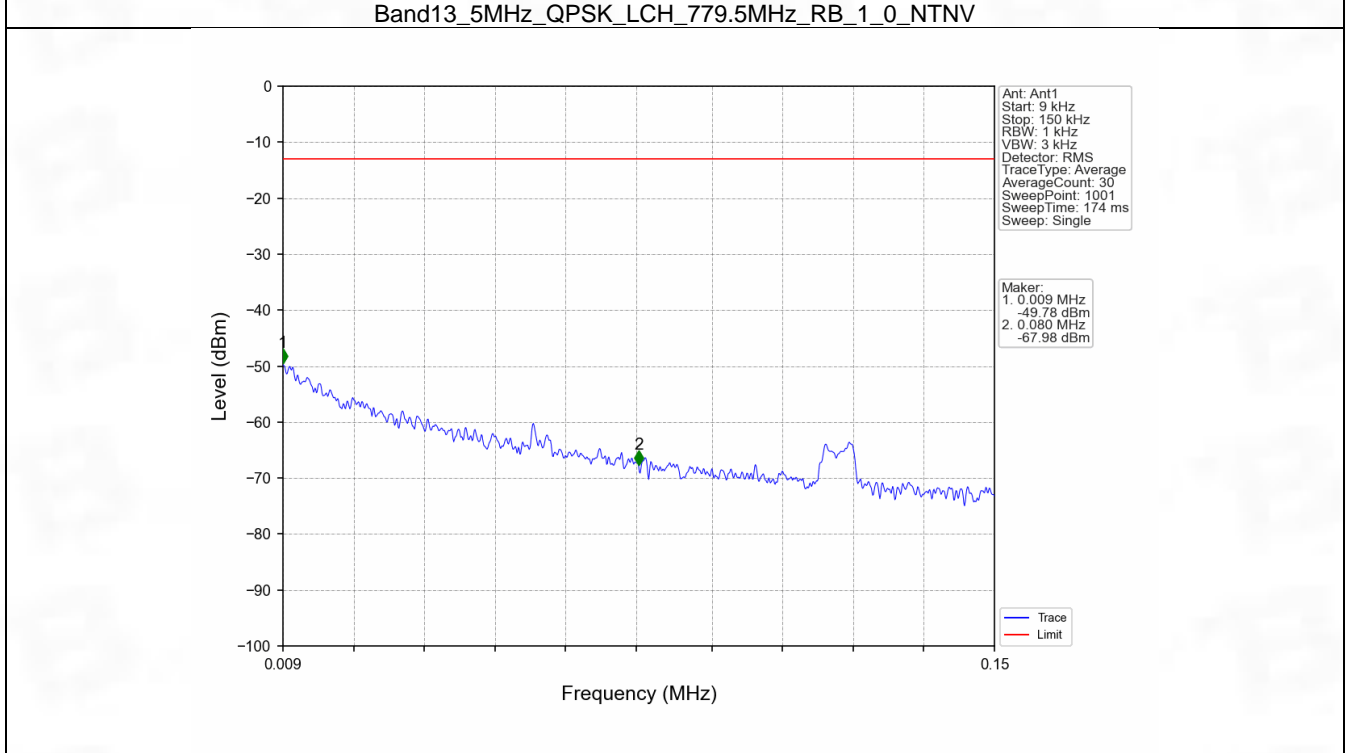
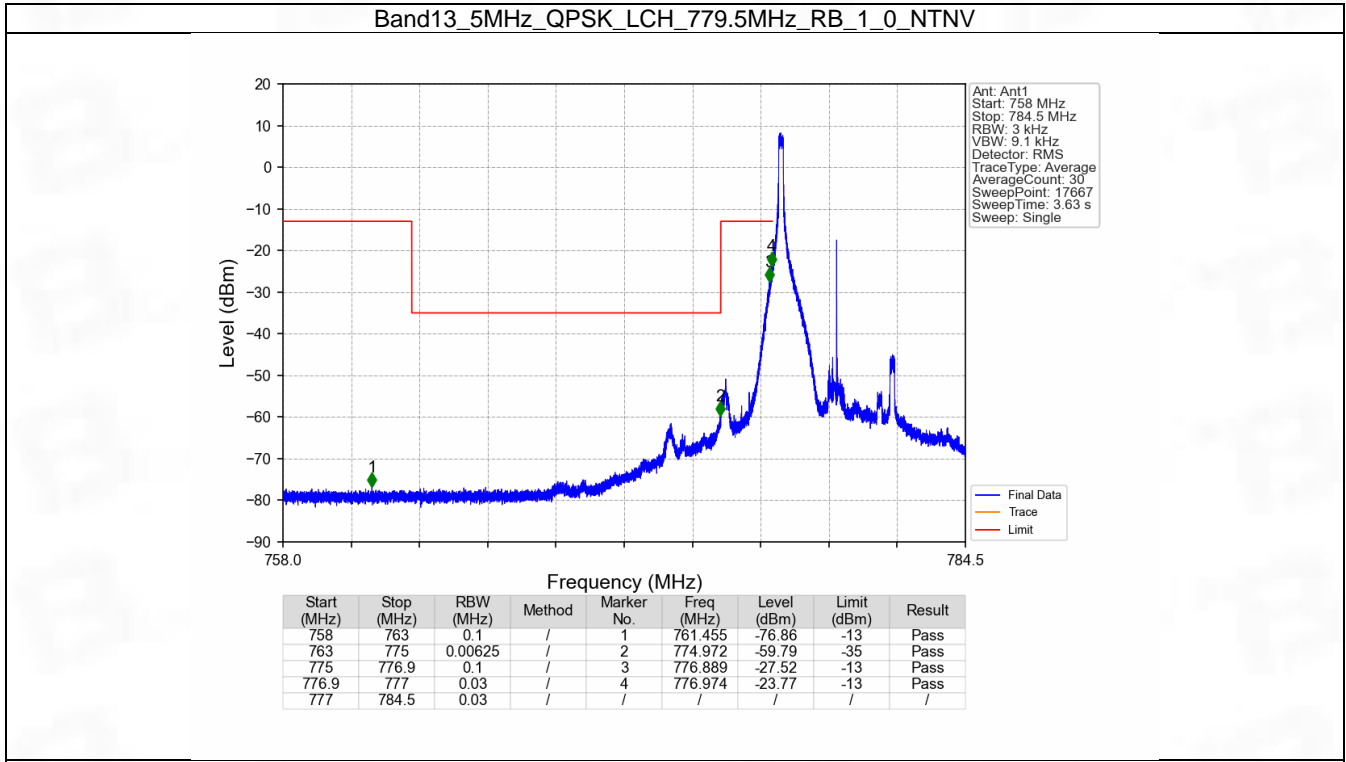
6. Spurious Emission

6.1 B13_5MHz

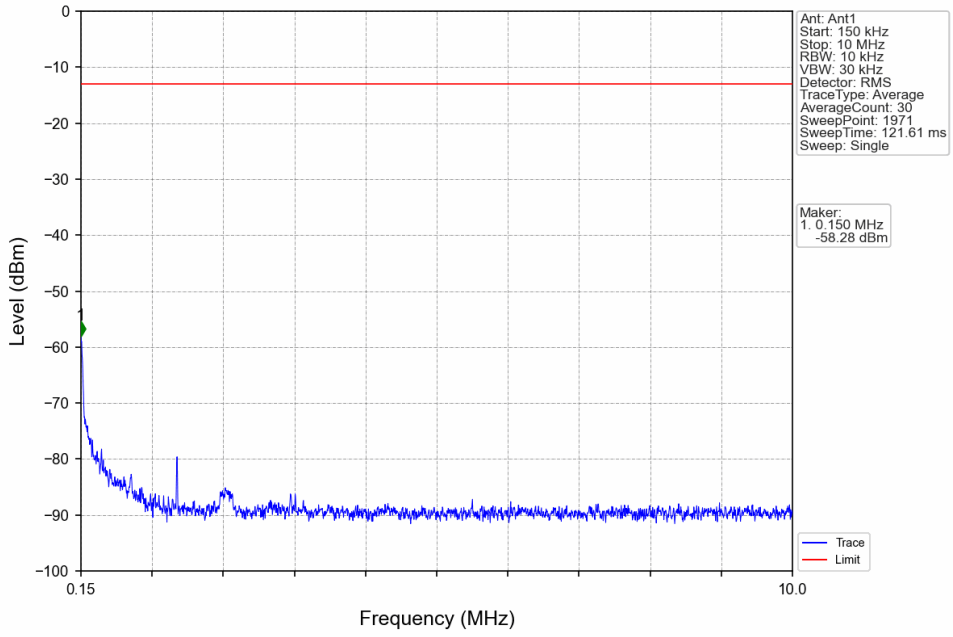
6.1.1 Test Result

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
	784.5	1	0	Refer To Test Graph		Pass
		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
	784.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

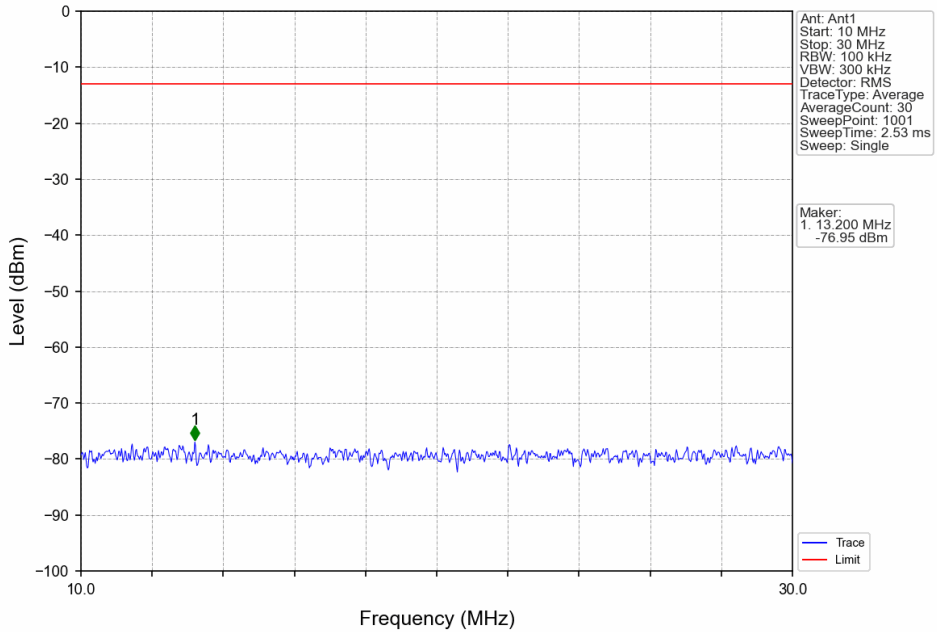
6.1.2 Test Graph



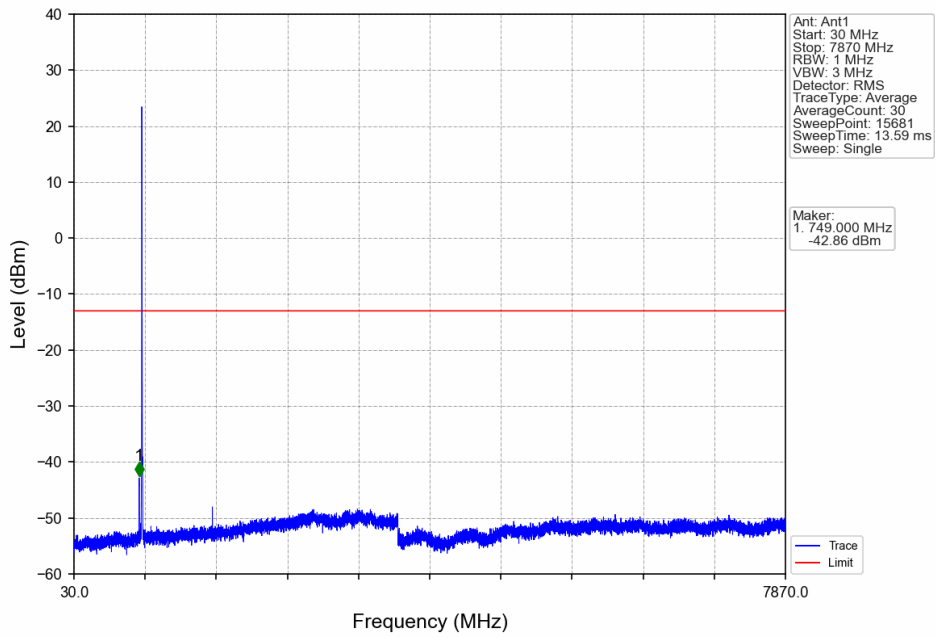
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



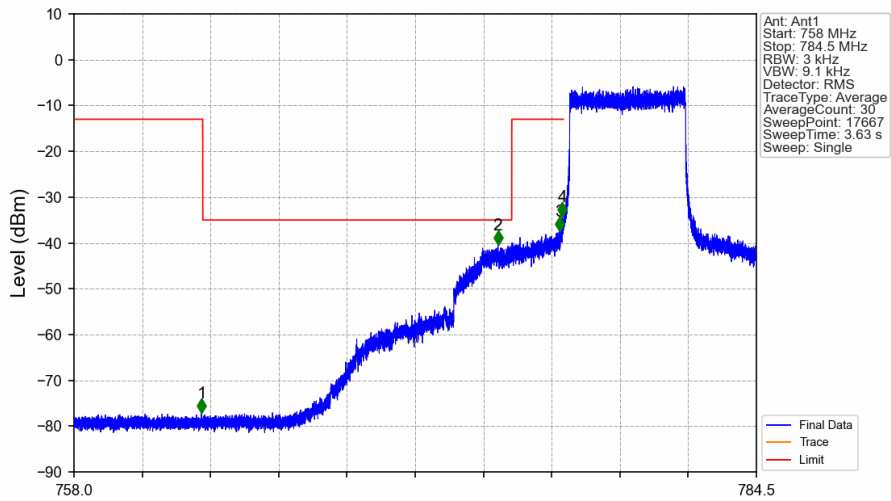
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

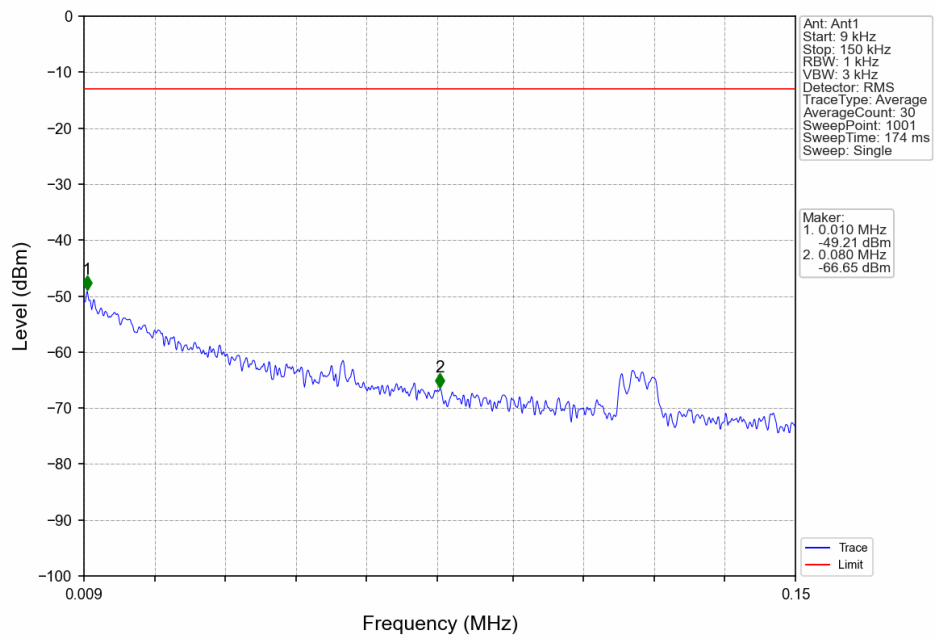


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

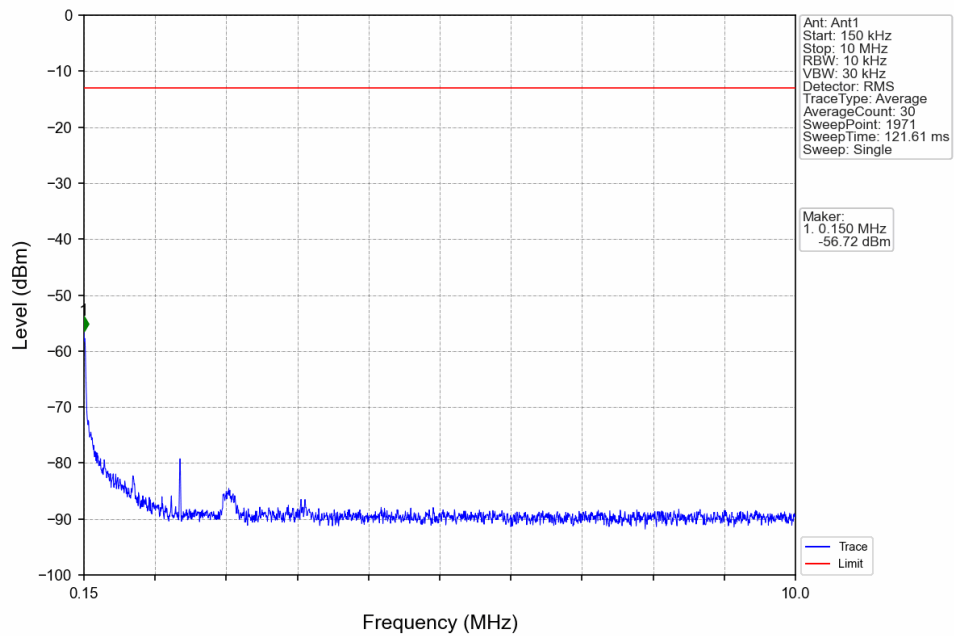


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	762.952	-77.20	-13	Pass
763	775	0.00625	/	2	774.486	-40.52	-35	Pass
775	776.9	0.1	/	3	776.863	-37.42	-13	Pass
776.9	777	0.03	/	4	776.959	-34.24	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

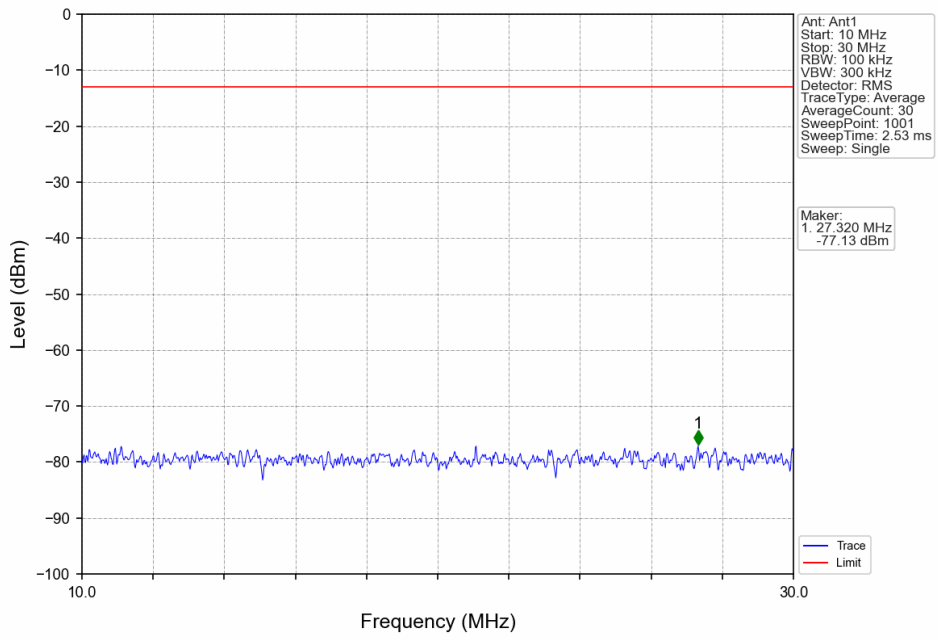
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



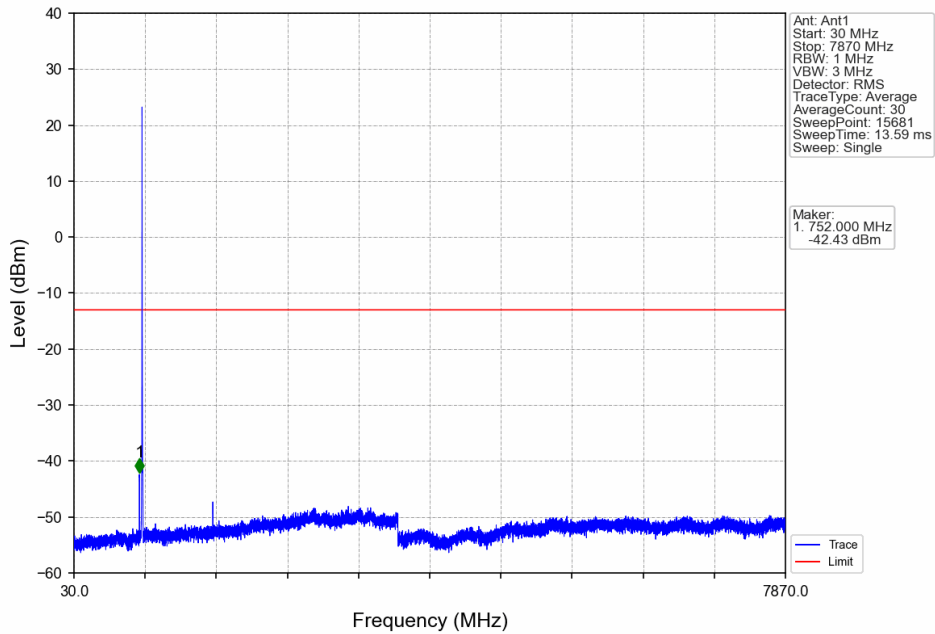
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



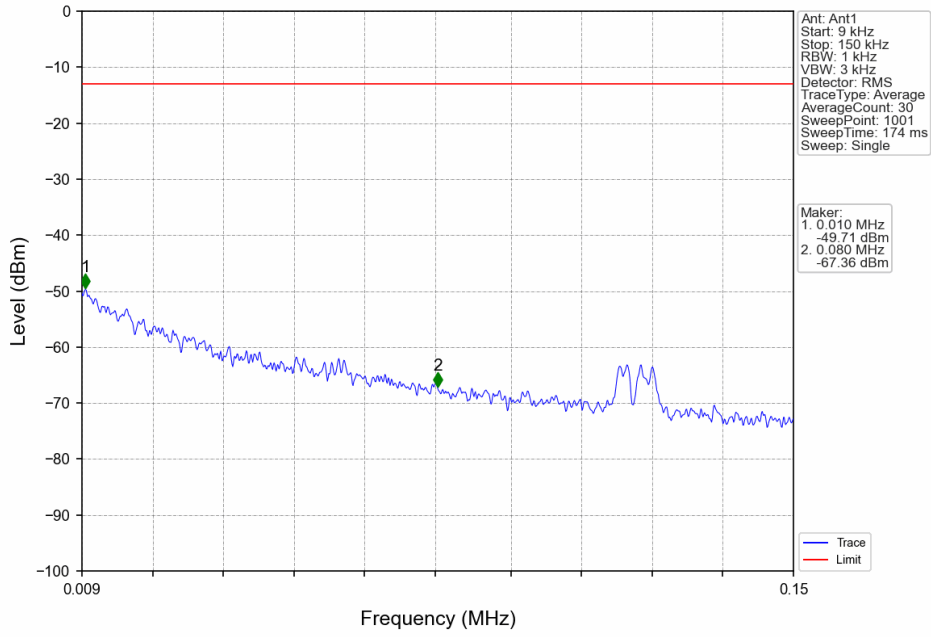
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



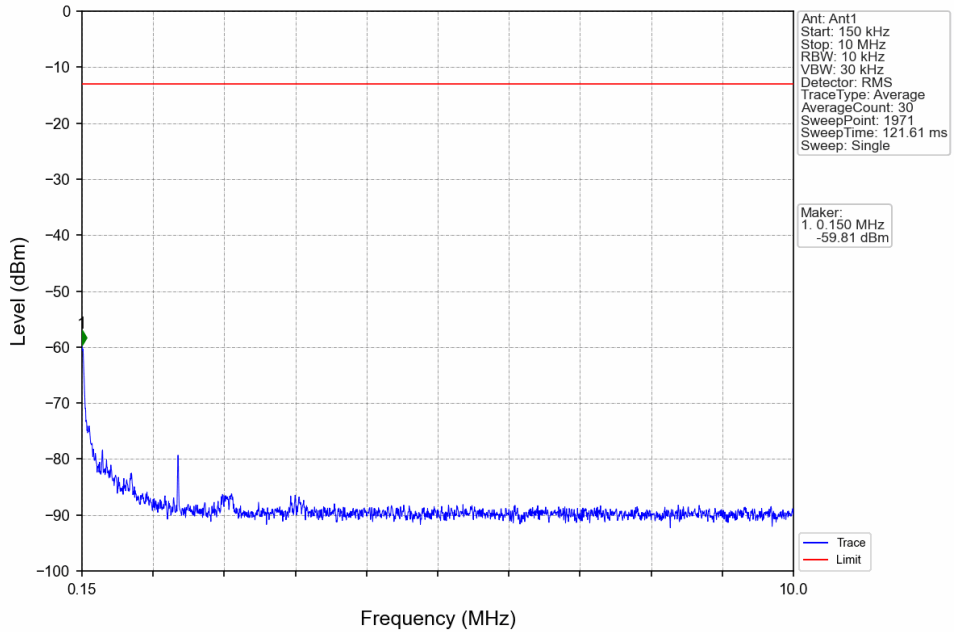
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



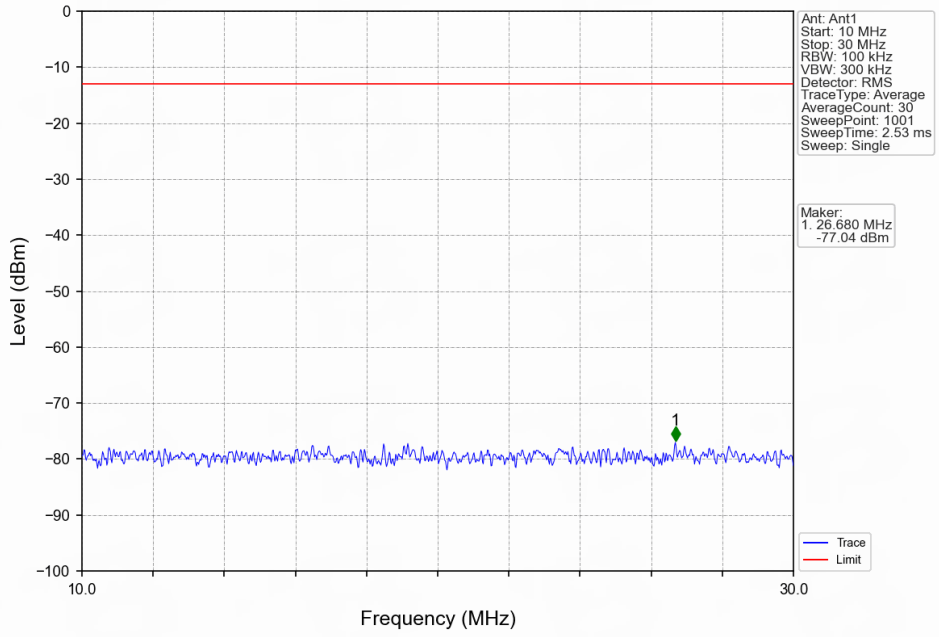
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



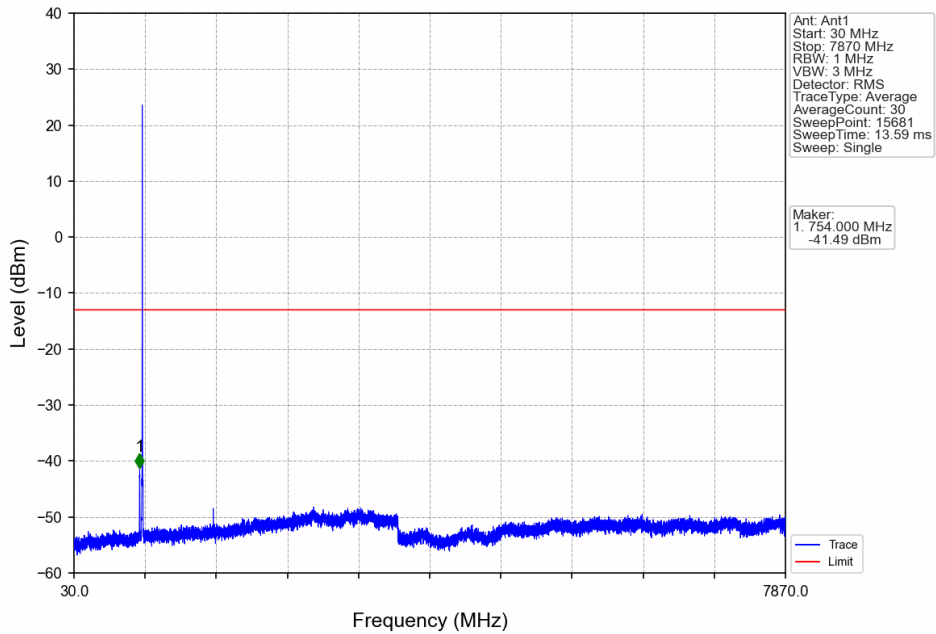
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



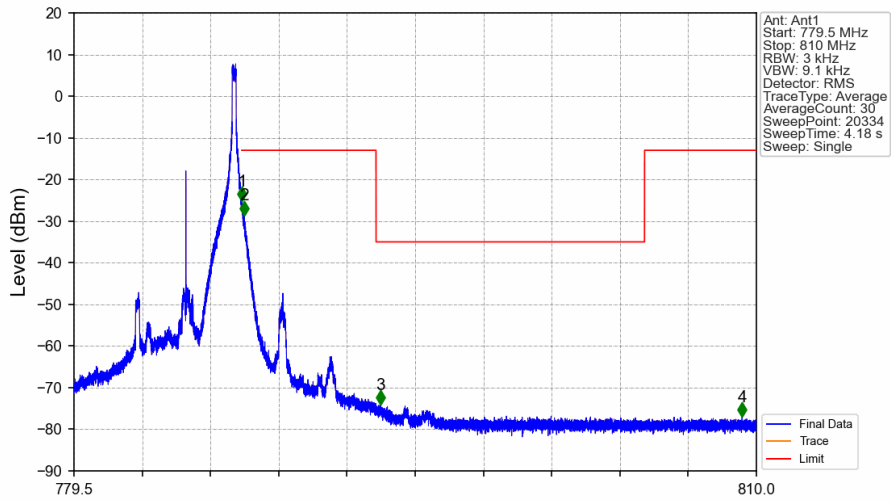
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

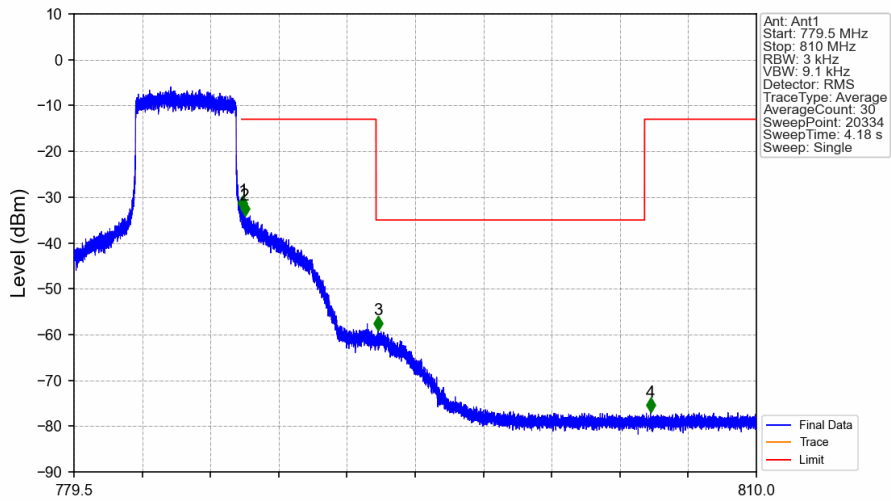


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



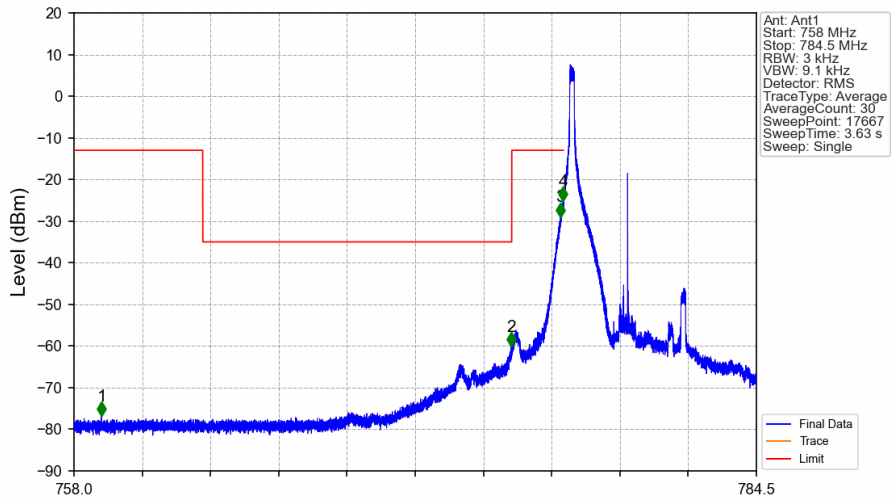
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.014	-25.24	-13	Pass
787.1	793	0.1	/	2	787.107	-28.60	-13	Pass
793	805	0.00625	/	3	793.204	-74.18	-35	Pass
805	810	0.1	/	4	809.359	-77.03	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



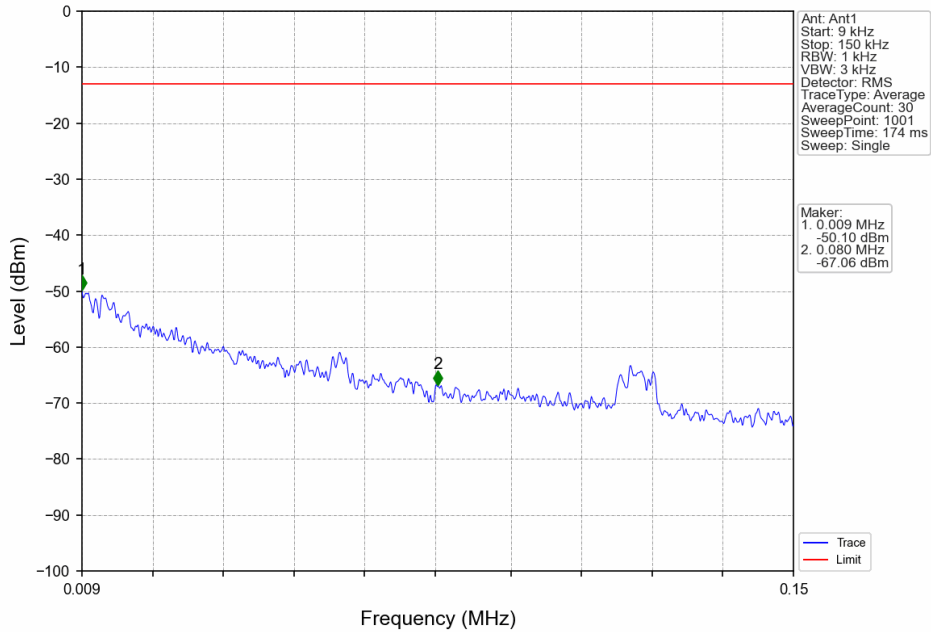
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.044	-32.84	-13	Pass
787.1	793	0.1	/	2	787.131	-34.03	-13	Pass
793	805	0.00625	/	3	793.090	-59.05	-35	Pass
805	810	0.1	/	4	805.267	-76.91	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

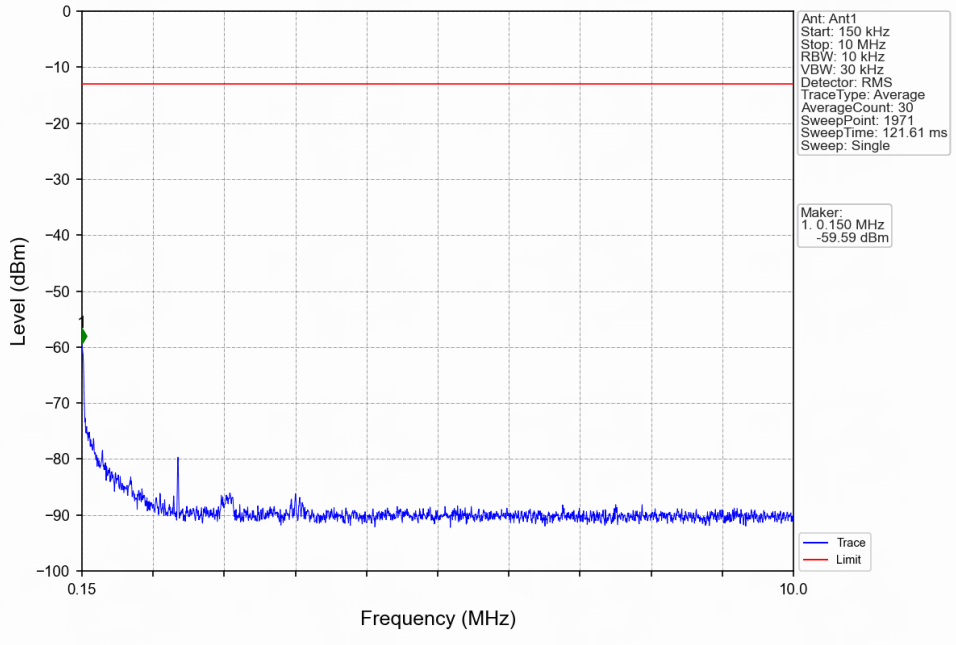


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	759.068	-76.85	-13	Pass
763	775	0.00625	/	2	774.975	-60.11	-35	Pass
775	776.9	0.1	/	3	776.895	-29.01	-13	Pass
776.9	777	0.03	/	4	776.989	-25.29	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

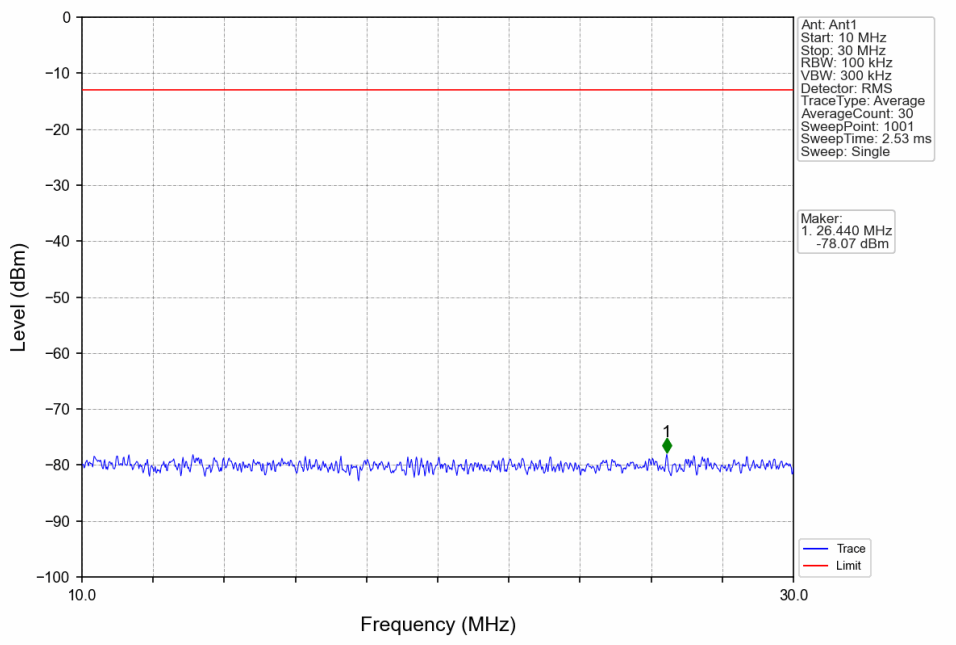
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



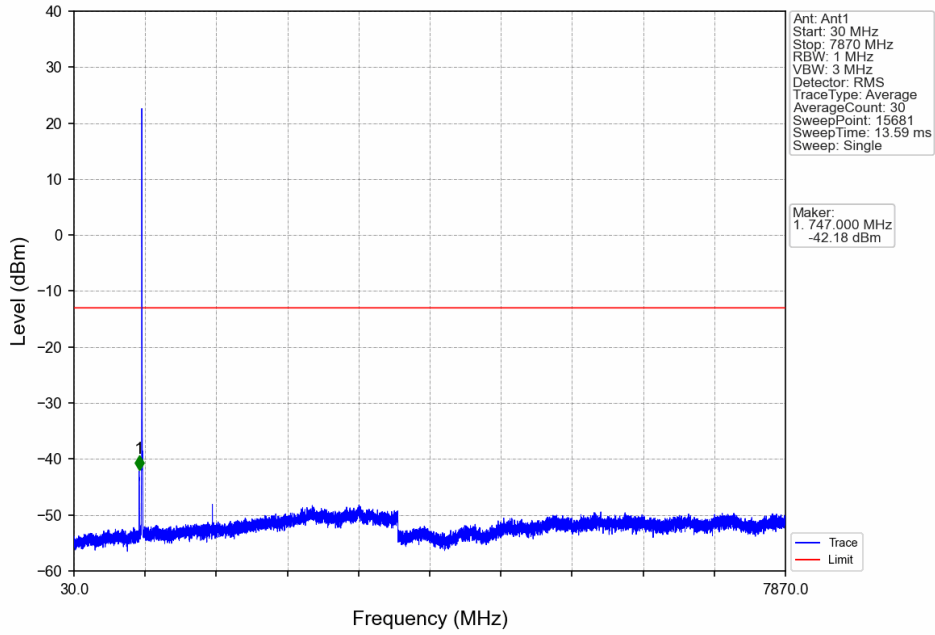
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



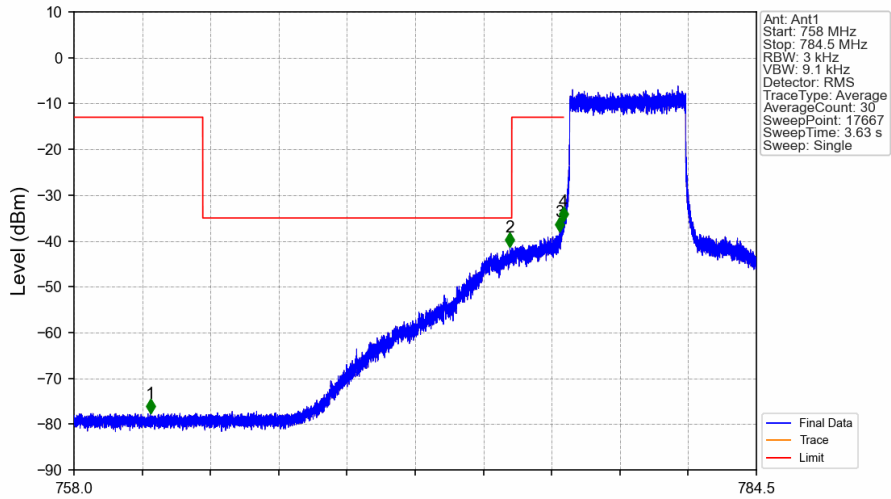
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

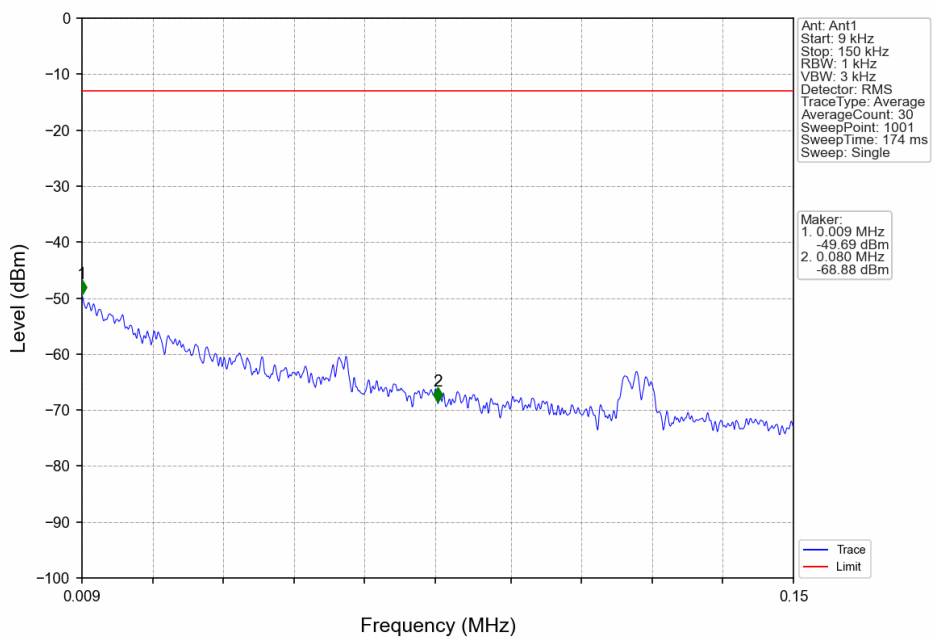


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

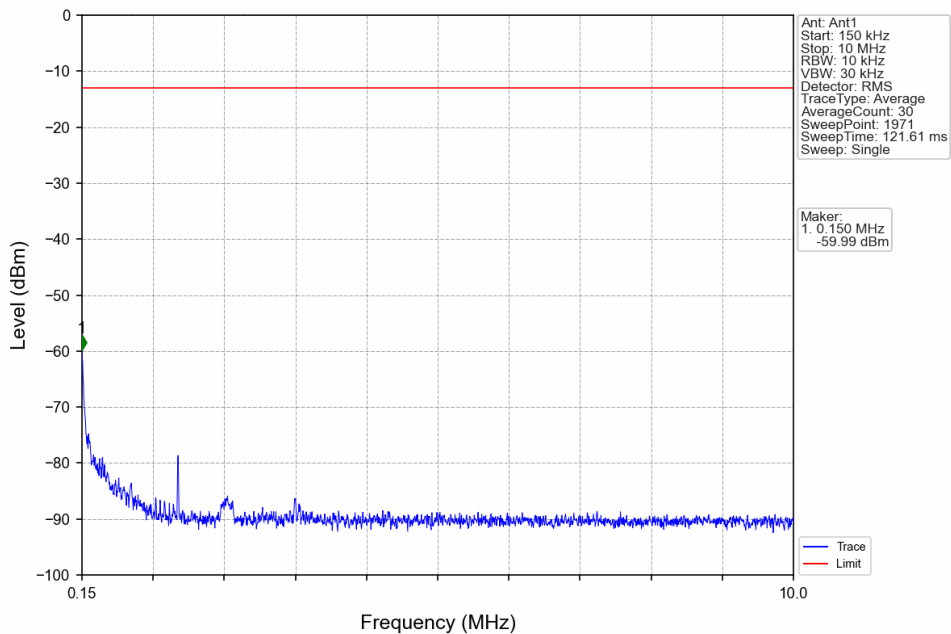


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	/	1	760.961	-77.62	-13	Pass
763	775	0.00625	/	2	774.930	-41.28	-35	Pass
775	776.9	0.1	/	3	776.865	-37.95	-13	Pass
776.9	777	0.03	/	4	777.000	-35.72	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

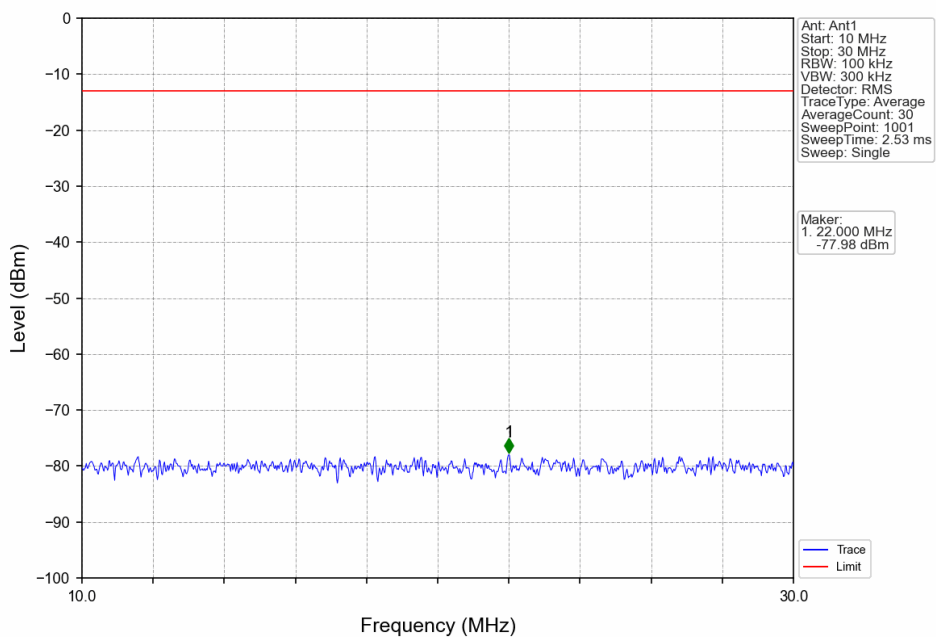
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



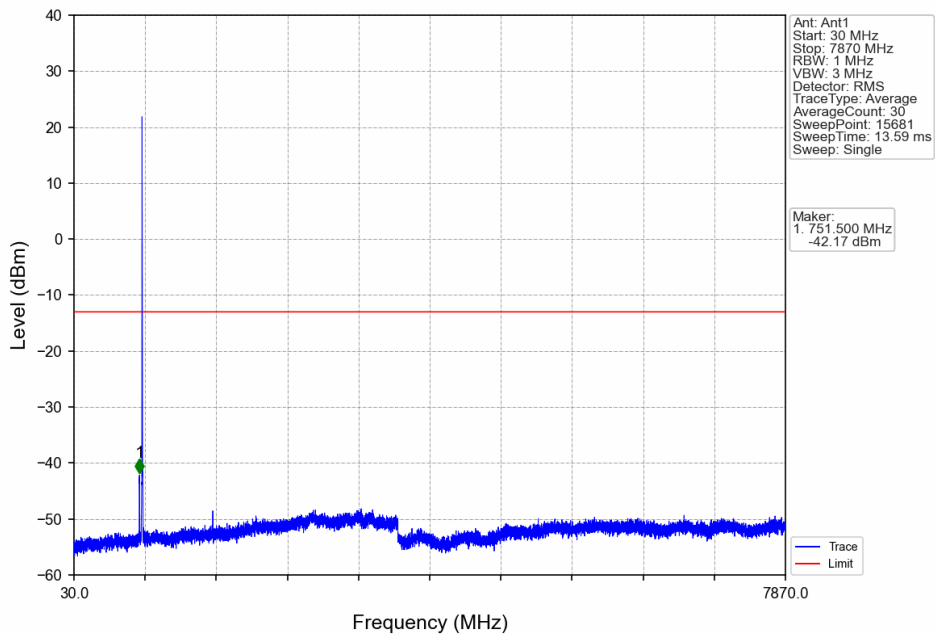
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



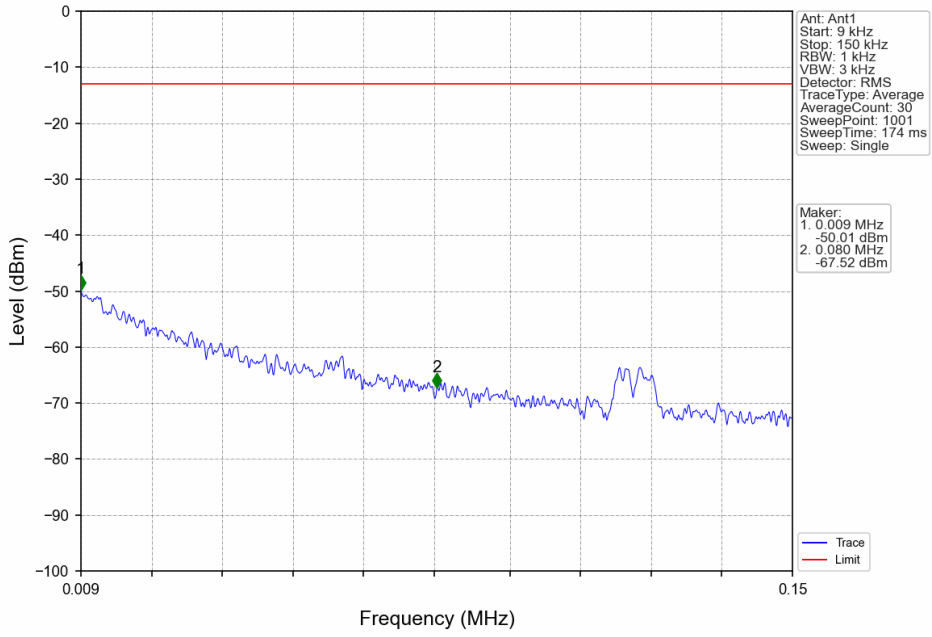
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



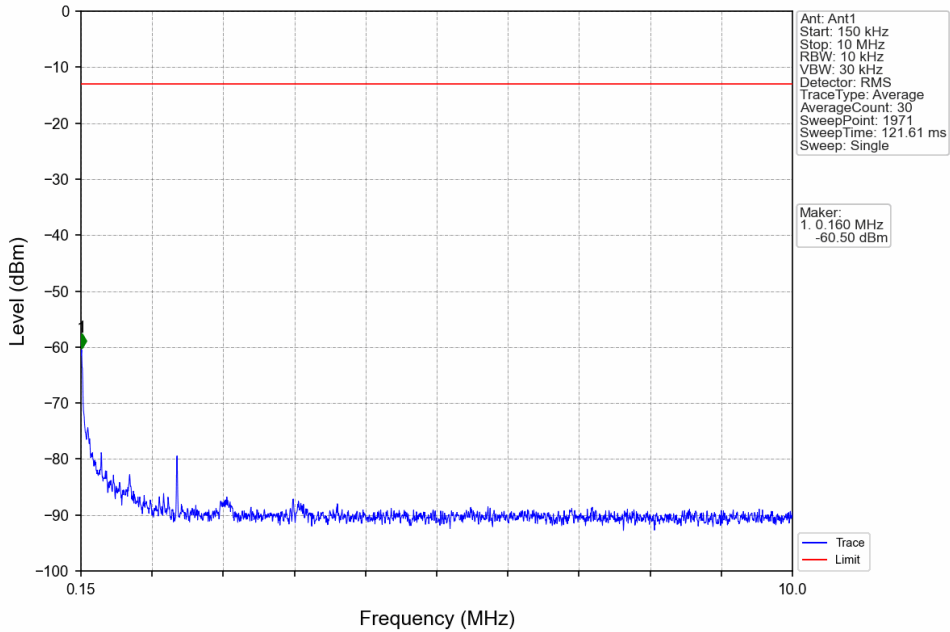
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



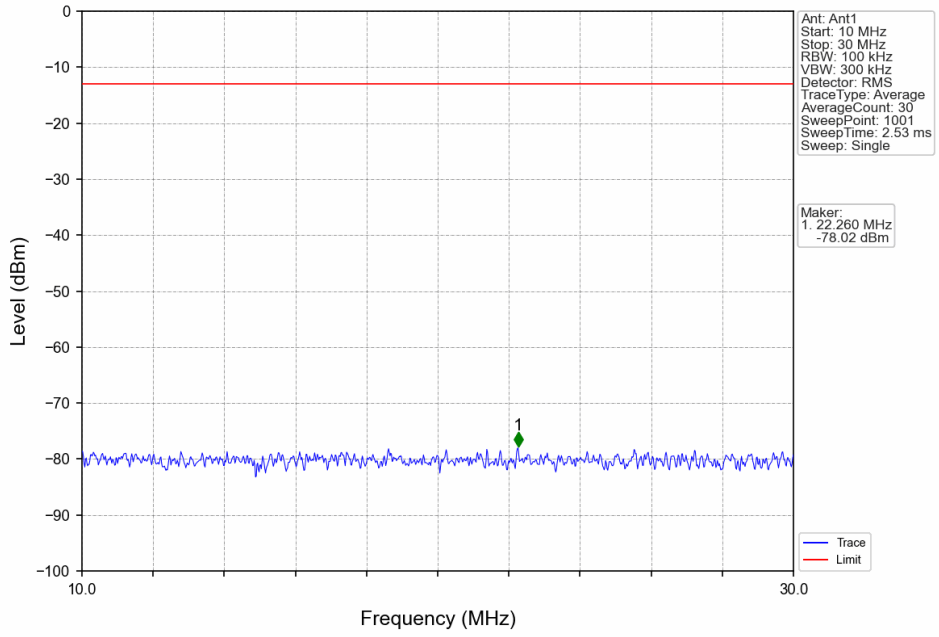
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



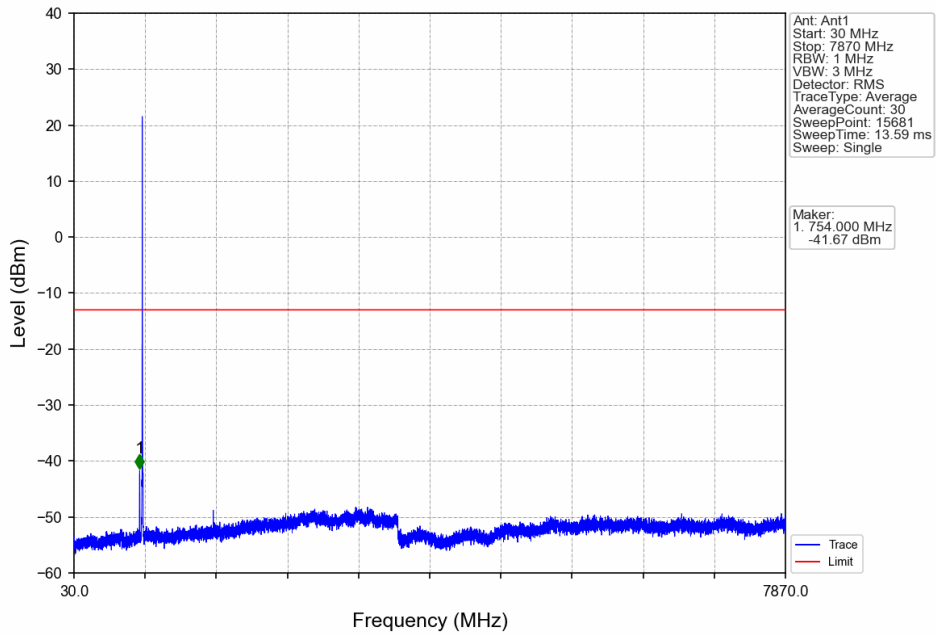
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



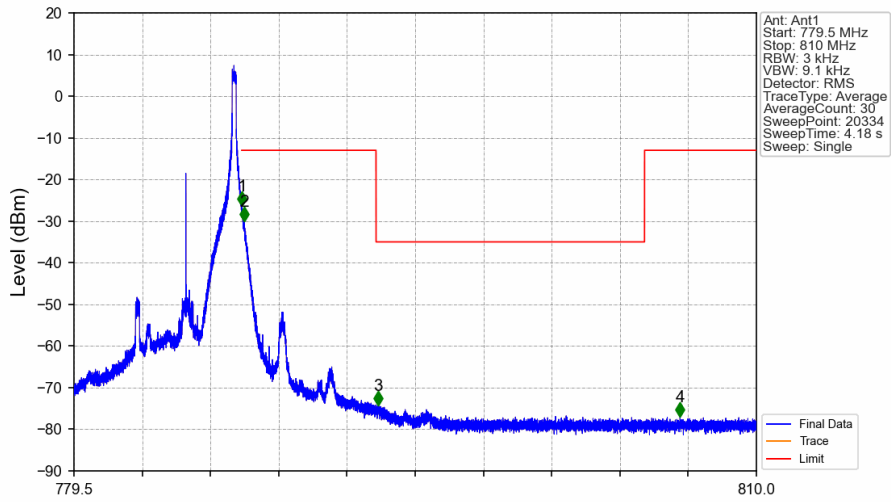
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV

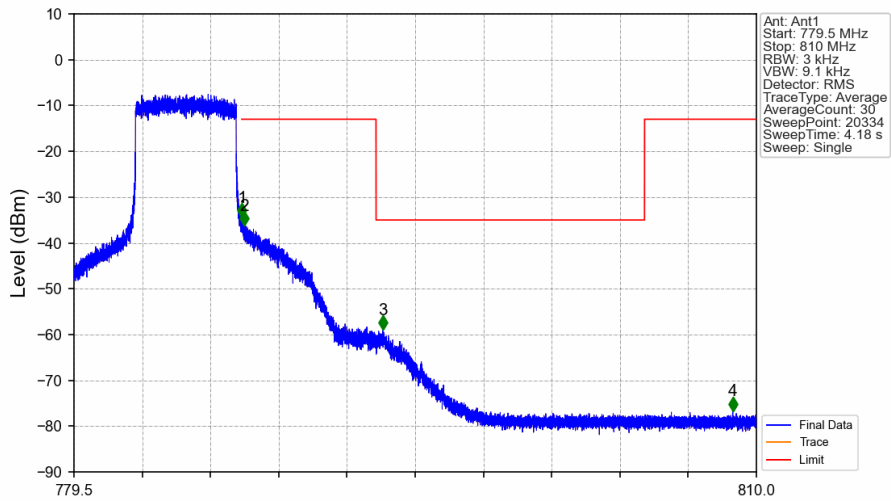


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



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	787.002	-26.45	-13	Pass
787.1	793	0.1	/	2	787.108	-30.14	-13	Pass
793	805	0.00625	/	3	793.089	-74.23	-35	Pass
805	810	0.1	/	4	806.587	-77.06	-13	Pass

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



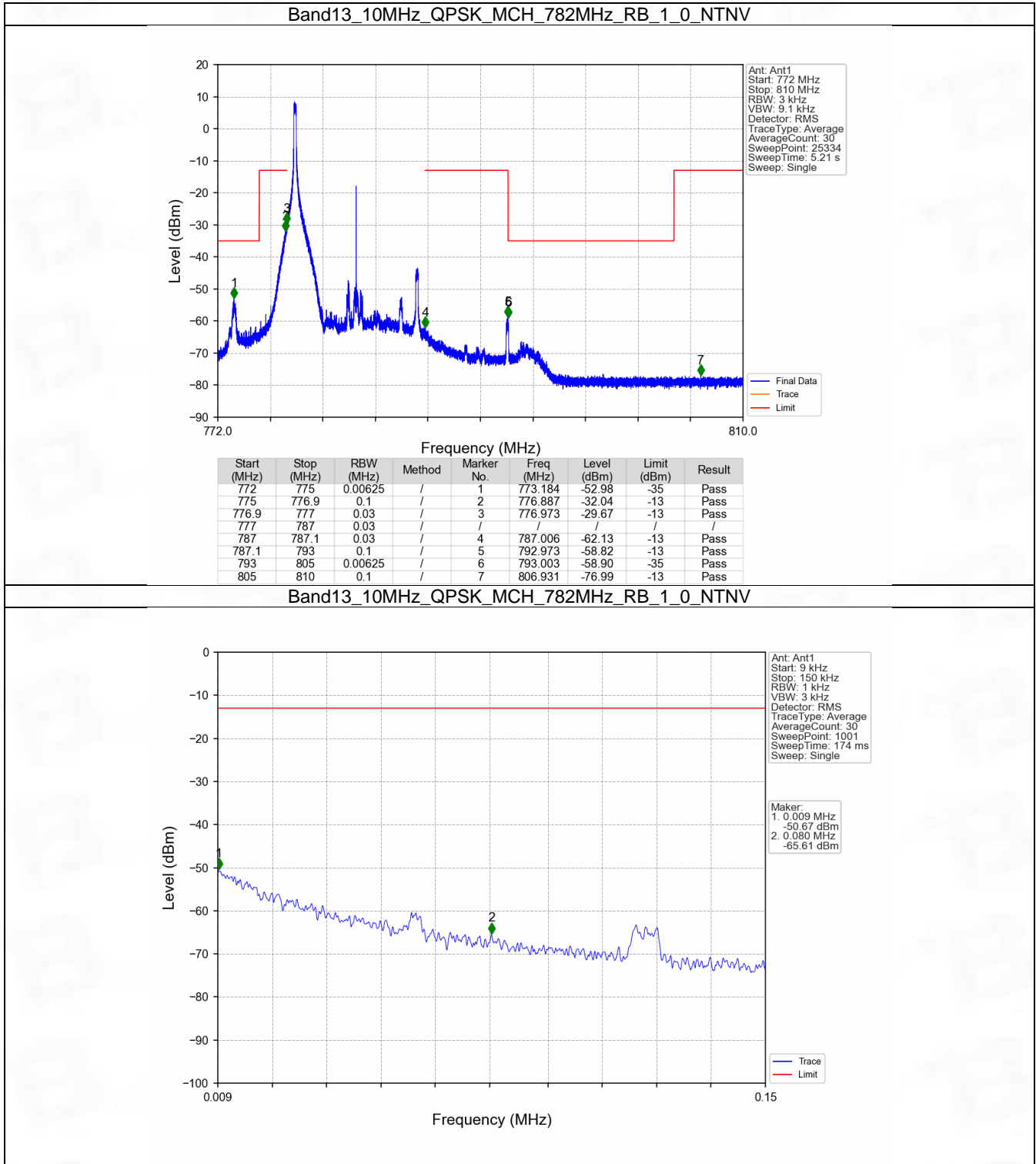
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.012	-34.42	-13	Pass
787.1	793	0.1	/	2	787.104	-36.20	-13	Pass
793	805	0.00625	/	3	793.300	-58.92	-35	Pass
805	810	0.1	/	4	808.942	-76.69	-13	Pass

6.2 B13_10MHz

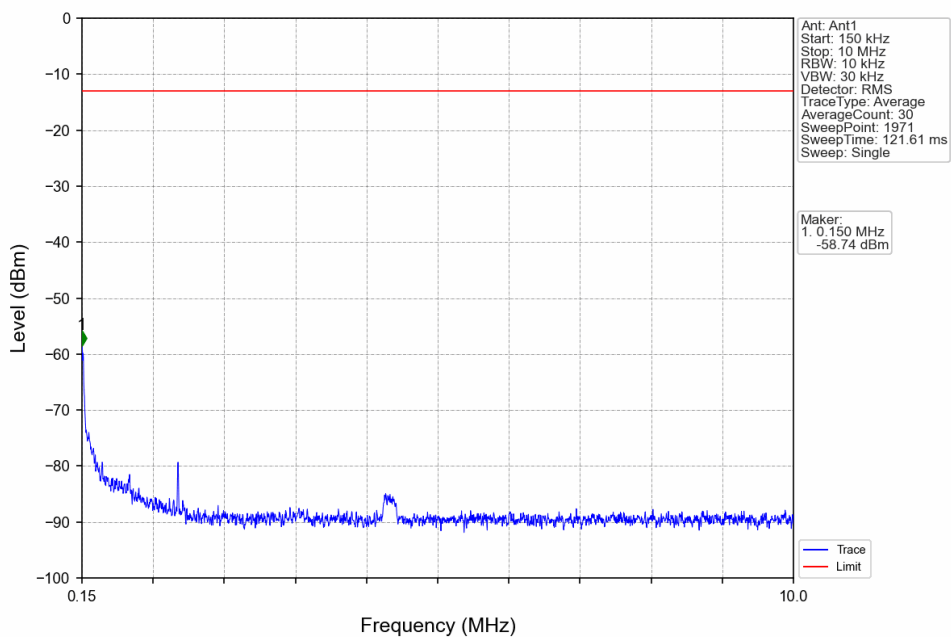
6.2.1 Test Result

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

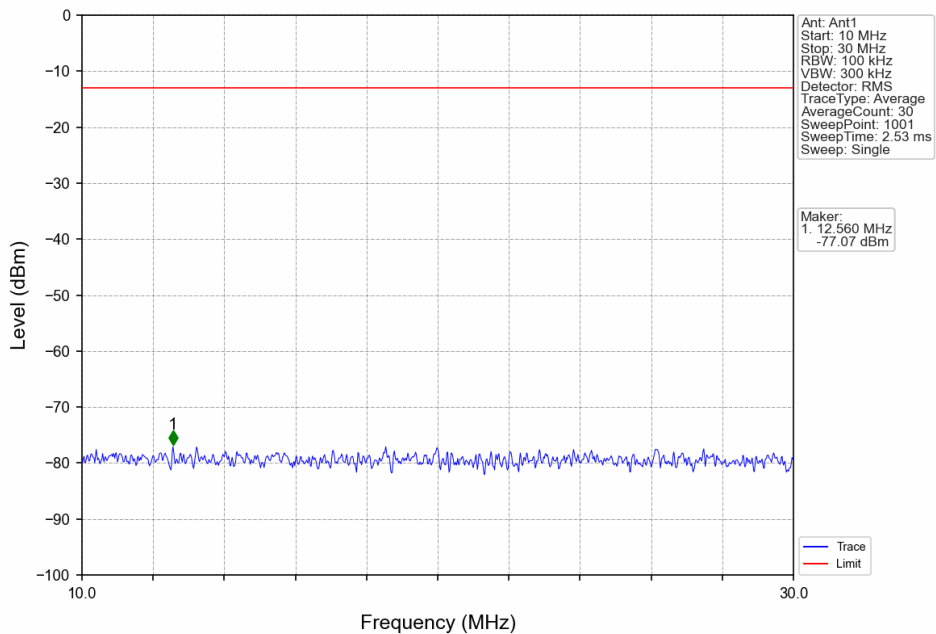
6.2.2 Test Graph



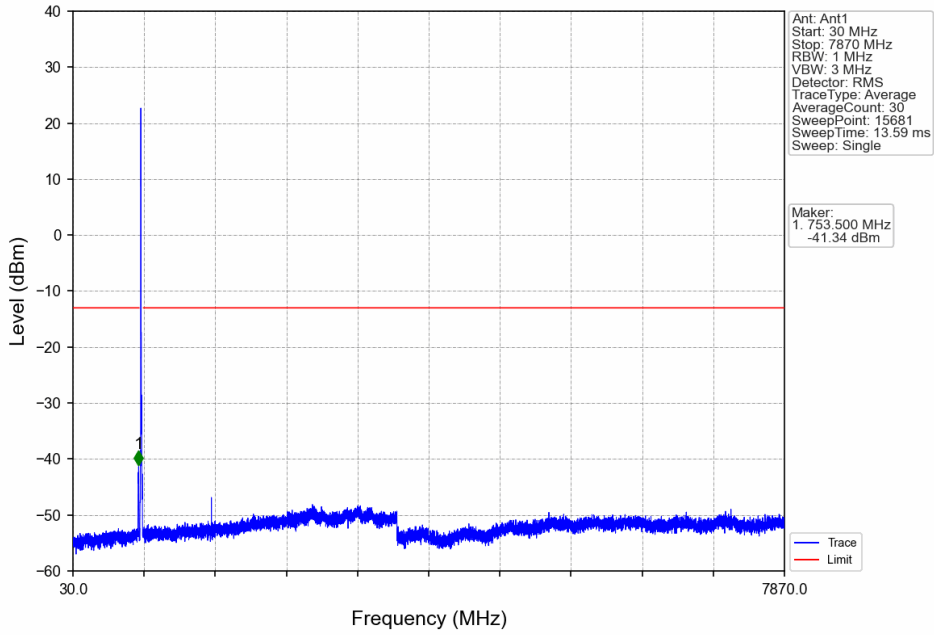
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



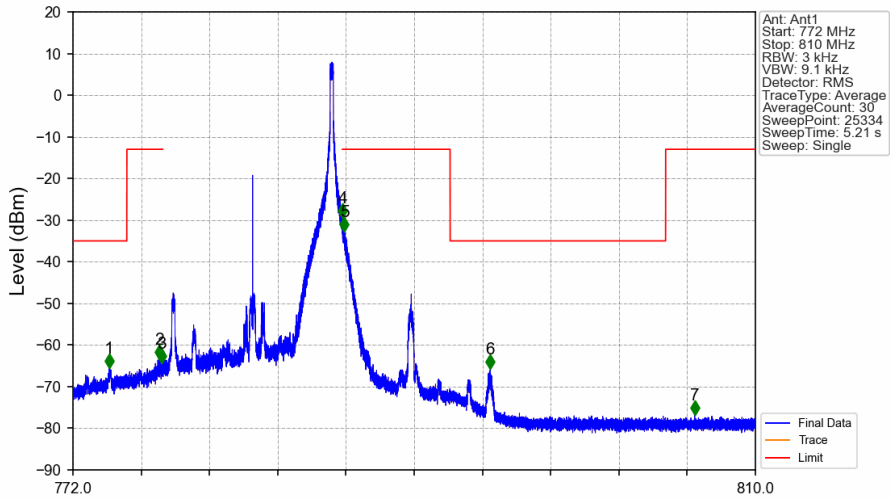
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

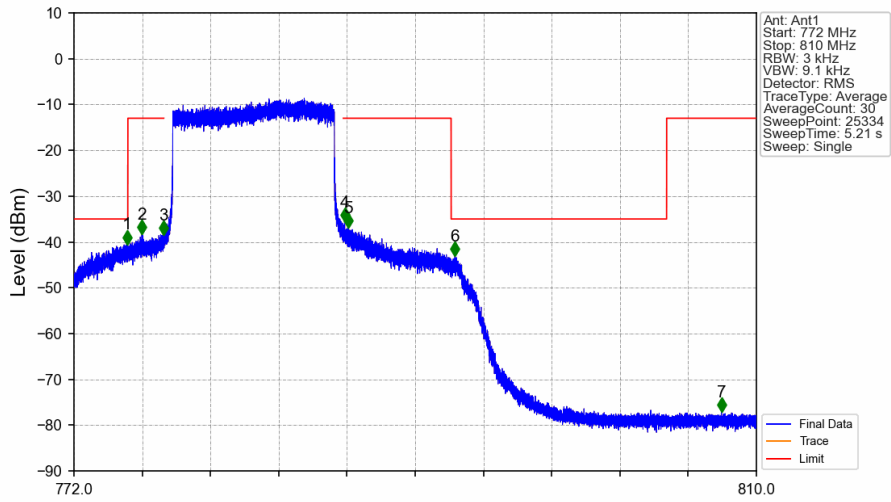


Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV



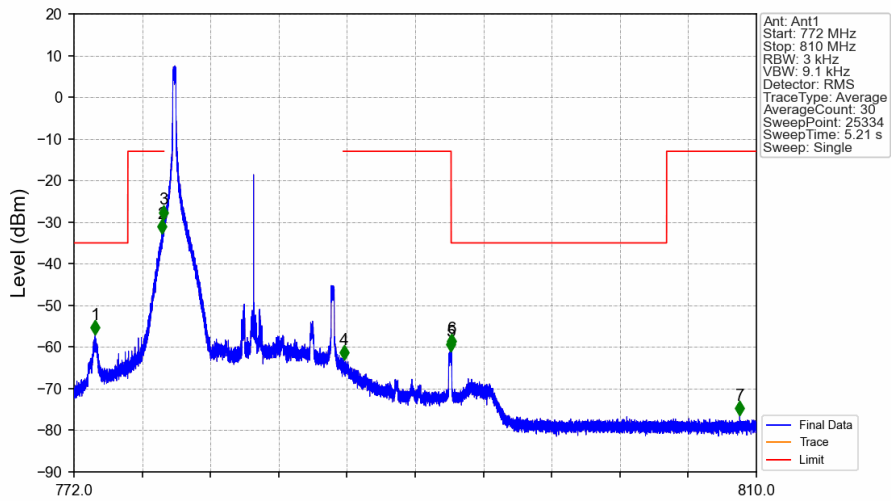
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.006	-65.60	-35	Pass
775	776.9	0.1	/	2	776.802	-63.48	-13	Pass
776.9	777	0.03	/	3	776.956	-64.38	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.014	-29.45	-13	Pass
787.1	793	0.1	/	5	787.111	-32.82	-13	Pass
793	805	0.00625	/	6	795.237	-65.76	-35	Pass
805	810	0.1	/	7	806.619	-76.89	-13	Pass

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



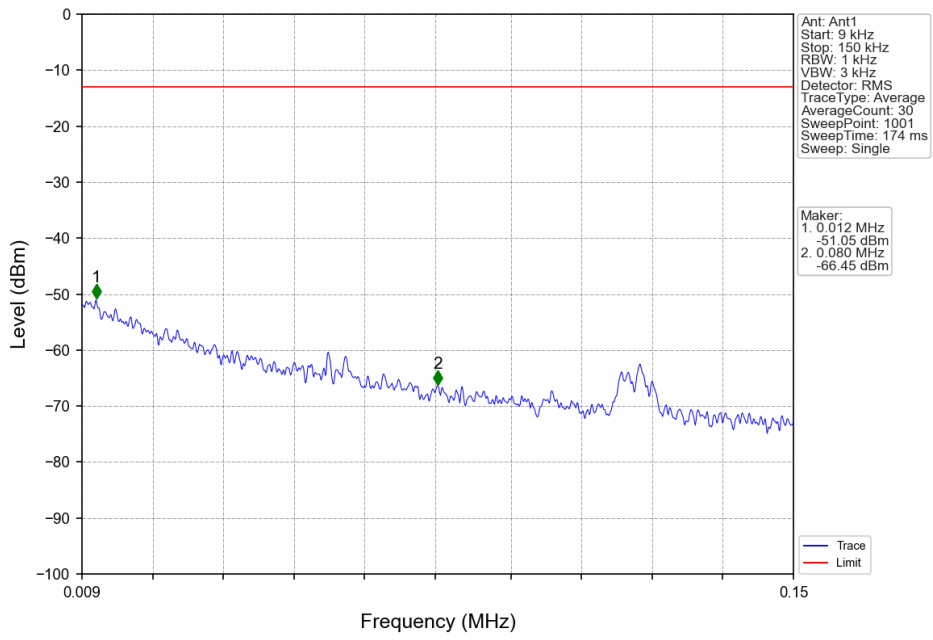
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.946	-40.55	-35	Pass
775	776.9	0.1	/	2	775.780	-38.40	-13	Pass
776.9	777	0.03	/	3	776.983	-38.46	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.075	-35.70	-13	Pass
787.1	793	0.1	/	5	787.272	-36.97	-13	Pass
793	805	0.00625	/	6	793.213	-43.13	-35	Pass
805	810	0.1	/	7	808.053	-77.16	-13	Pass

Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

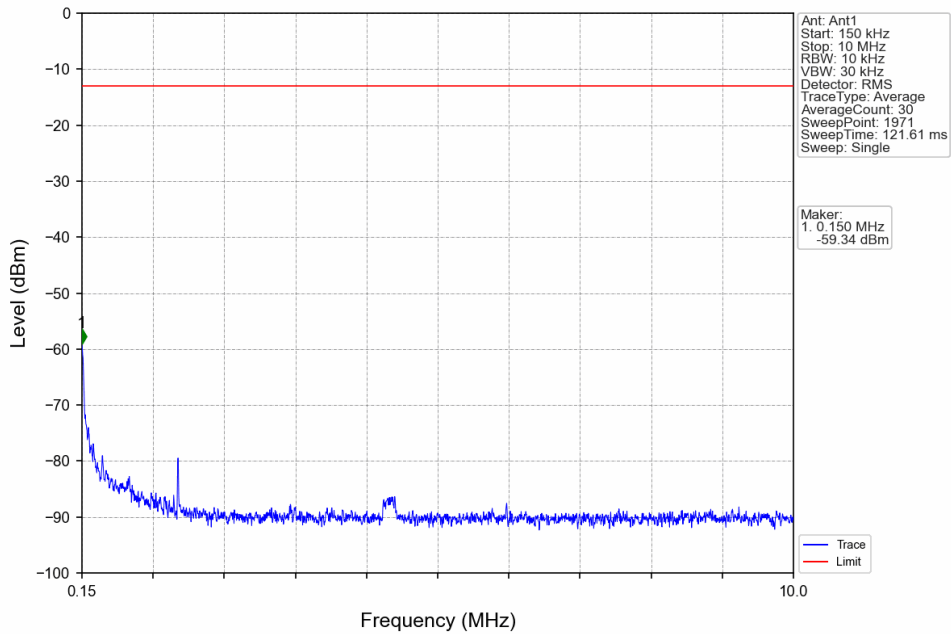


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.179	-57.04	-35	Pass
775	776.9	0.1	/	2	776.890	-32.72	-13	Pass
776.9	777	0.03	/	3	776.988	-29.40	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.032	-63.08	-13	Pass
787.1	793	0.1	/	5	792.976	-61.10	-13	Pass
793	805	0.00625	/	6	793.032	-60.39	-35	Pass
805	810	0.1	/	7	809.071	-76.47	-13	Pass

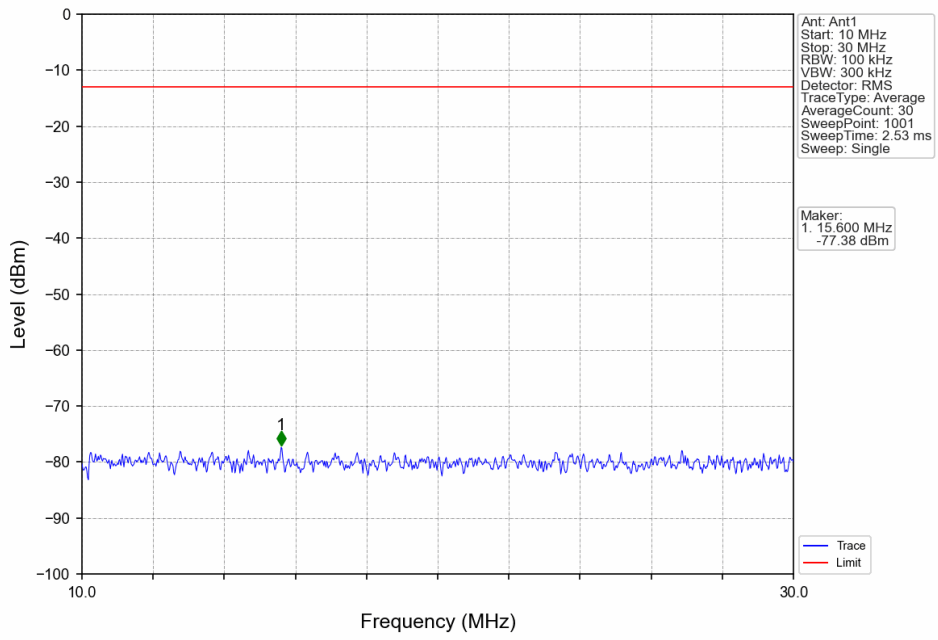
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



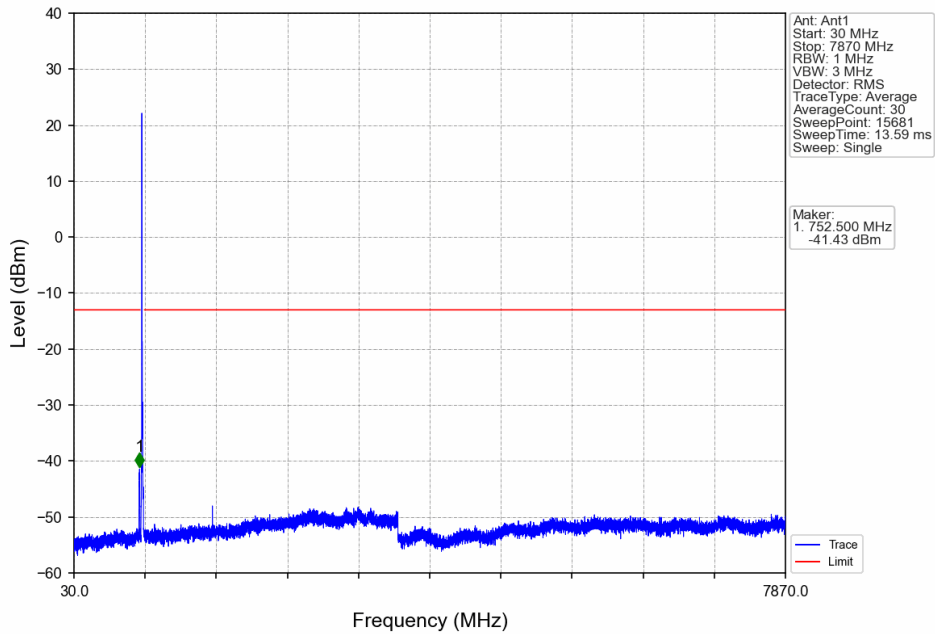
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



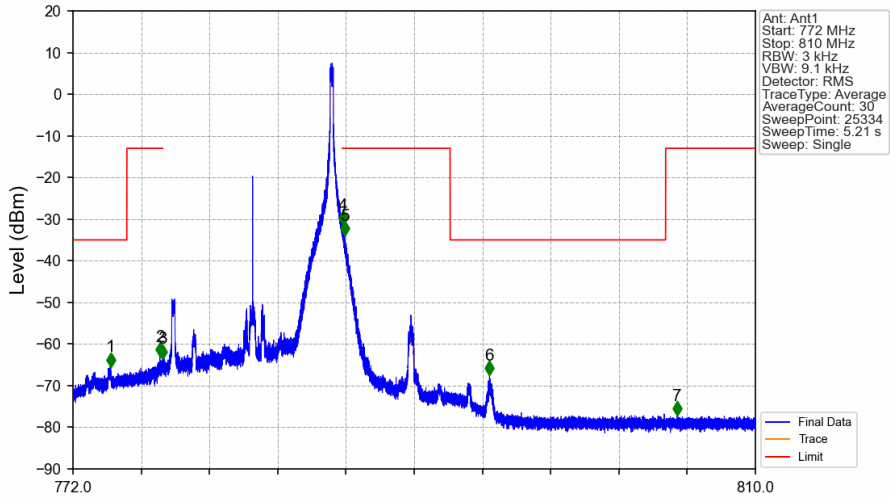
Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

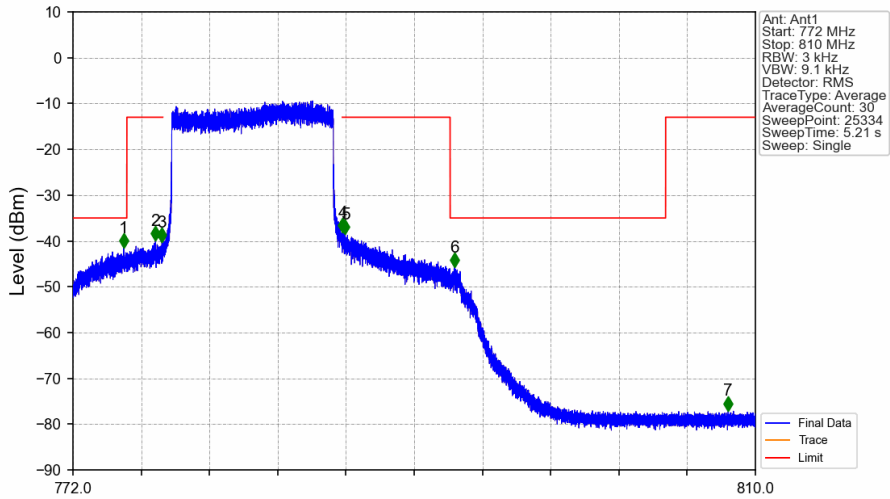


Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.097	-65.49	-35	Pass
775	776.9	0.1	/	2	776.838	-62.98	-13	Pass
776.9	777	0.03	/	3	776.982	-63.52	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.027	-31.38	-13	Pass
787.1	793	0.1	/	5	787.125	-34.01	-13	Pass
793	805	0.00625	/	6	795.196	-67.49	-35	Pass
805	810	0.1	/	7	805.623	-77.23	-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	774.826	-41.47	-35	Pass
775	776.9	0.1	/	2	776.593	-39.92	-13	Pass
776.9	777	0.03	/	3	776.955	-40.26	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.015	-38.23	-13	Pass
787.1	793	0.1	/	5	787.155	-38.49	-13	Pass
793	805	0.00625	/	6	793.248	-45.74	-35	Pass
805	810	0.1	/	7	808.482	-77.05	-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	0.1858	0.0196	ppm	4M59G7D	27F	22.69
13	5	779.5	784.5	0.1521	0.0157	ppm	4M59W7D	27F	21.82
13	10	782	782	0.1875	0.0565	ppm	9M11G7D	27F	22.73
13	10	782	782	0.1722	0.0147	ppm	9M10W7D	27F	22.36

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	0.1250	0.0196	ppm	4M59G7D	27F	20.97
13	5	779.5	784.5	0.1023	0.0157	ppm	4M59W7D	27F	20.10
13	10	782	782	0.1262	0.0565	ppm	9M11G7D	27F	21.01
13	10	782	782	0.1159	0.0147	ppm	9M10W7D	27F	20.64