

Appendix - LTE_band_13

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B13_5MHz_ERP

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	19.58	0.59	18.02	<=34.77	Pass
			13	20.04	0.59	18.48	<=34.77	Pass
			24	19.54	0.59	17.98	<=34.77	Pass
		12	0	18.61	0.59	17.05	<=34.77	Pass
			6	19.10	0.59	17.54	<=34.77	Pass
			13	19.12	0.59	17.56	<=34.77	Pass
		25	0	19.12	0.59	17.56	<=34.77	Pass
	782	1	0	20.02	0.59	18.46	<=34.77	Pass
			13	19.45	0.59	17.89	<=34.77	Pass
			24	20.03	0.59	18.47	<=34.77	Pass
		12	0	19.02	0.59	17.46	<=34.77	Pass
			6	18.49	0.59	16.93	<=34.77	Pass
			13	19.10	0.59	17.54	<=34.77	Pass
		25	0	18.61	0.59	17.05	<=34.77	Pass
	784.5	1	0	19.47	0.59	17.91	<=34.77	Pass
			13	20.04	0.59	18.48	<=34.77	Pass
			24	20.09	0.59	18.53	<=34.77	Pass
		12	0	19.12	0.59	17.56	<=34.77	Pass
			6	19.08	0.59	17.52	<=34.77	Pass
			13	19.20	0.59	17.64	<=34.77	Pass
		25	0	19.12	0.59	17.56	<=34.77	Pass
16QAM	779.5	1	0	19.16	0.59	17.60	<=34.77	Pass
			13	19.67	0.59	18.11	<=34.77	Pass
			24	19.12	0.59	17.56	<=34.77	Pass
		12	0	17.48	0.59	15.92	<=34.77	Pass
			6	18.08	0.59	16.52	<=34.77	Pass
			13	18.18	0.59	16.62	<=34.77	Pass
		25	0	17.93	0.59	16.37	<=34.77	Pass
	782	1	0	18.74	0.59	17.18	<=34.77	Pass
			13	18.15	0.59	16.59	<=34.77	Pass
			24	18.74	0.59	17.18	<=34.77	Pass
		12	0	17.92	0.59	16.36	<=34.77	Pass
			6	17.76	0.59	16.20	<=34.77	Pass
			13	17.84	0.59	16.28	<=34.77	Pass
		25	0	17.80	0.59	16.24	<=34.77	Pass
	784.5	1	0	19.02	0.59	17.46	<=34.77	Pass
			13	19.60	0.59	18.04	<=34.77	Pass
			24	19.58	0.59	18.02	<=34.77	Pass
		12	0	19.08	0.59	17.52	<=34.77	Pass
			6	18.46	0.59	16.90	<=34.77	Pass
			13	18.25	0.59	16.69	<=34.77	Pass
		25	0	18.33	0.59	16.77	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B13_10MHz_ERP

Band: 13 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	782	1	0	21.64	0.59	20.08	<=34.77	Pass
			25	21.63	0.59	20.07	<=34.77	Pass
			49	21.67	0.59	20.11	<=34.77	Pass
		25	0	20.67	0.59	19.11	<=34.77	Pass
			13	20.70	0.59	19.14	<=34.77	Pass
			25	20.65	0.59	19.09	<=34.77	Pass
		50	0	20.62	0.59	19.06	<=34.77	Pass
			0	21.54	0.59	19.98	<=34.77	Pass
			25	21.51	0.59	19.95	<=34.77	Pass
16QAM	782	1	49	21.46	0.59	19.90	<=34.77	Pass
		25	0	20.11	0.59	18.55	<=34.77	Pass
			13	19.59	0.59	18.03	<=34.77	Pass
			25	20.16	0.59	18.60	<=34.77	Pass
		50	0	19.49	0.59	17.93	<=34.77	Pass
			0	21.54	0.59	19.98	<=34.77	Pass
			25	21.51	0.59	19.95	<=34.77	Pass
			49	21.46	0.59	19.90	<=34.77	Pass
			0	20.11	0.59	18.55	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B13_5MHz

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	2.961	0.0038	-2.5 to 2.5	Pass	
					3.85	21.558	0.0277	-2.5 to 2.5	Pass	
					4.43	46.420	0.0596	-2.5 to 2.5	Pass	
				-30	3.85	6.294	0.0081	-2.5 to 2.5	Pass	
				-20	3.85	23.861	0.0306	-2.5 to 2.5	Pass	
				-10	3.85	39.454	0.0506	-2.5 to 2.5	Pass	
				0	3.85	51.026	0.0655	-2.5 to 2.5	Pass	
				10	3.85	9.971	0.0128	-2.5 to 2.5	Pass	
				30	3.85	23.804	0.0305	-2.5 to 2.5	Pass	
				40	3.85	30.799	0.0395	-2.5 to 2.5	Pass	
				50	3.85	40.998	0.0526	-2.5 to 2.5	Pass	
				782	25	0	20	3.27	10.300	0.0132
	3.85	24.490	0.0313					-2.5 to 2.5	Pass	
	4.43	34.690	0.0444					-2.5 to 2.5	Pass	
	-30	3.85	46.463				0.0594	-2.5 to 2.5	Pass	
	-20	3.85	2.990				0.0038	-2.5 to 2.5	Pass	
	-10	3.85	11.716				0.0150	-2.5 to 2.5	Pass	
	0	3.85	21.343				0.0273	-2.5 to 2.5	Pass	
	10	3.85	28.639				0.0366	-2.5 to 2.5	Pass	
	30	3.85	38.338				0.0490	-2.5 to 2.5	Pass	
	40	3.85	47.421				0.0606	-2.5 to 2.5	Pass	
	50	3.85	-4.206				-0.0054	-2.5 to 2.5	Pass	
	784.5	25	0				20	3.27	-1.316	-0.0017
				3.85	6.523	0.0083		-2.5 to 2.5	Pass	
				4.43	15.979	0.0204		-2.5 to 2.5	Pass	
				-30	3.85	22.259	0.0284	-2.5 to 2.5	Pass	
				-20	3.85	29.912	0.0381	-2.5 to 2.5	Pass	
				-10	3.85	37.165	0.0474	-2.5 to 2.5	Pass	

16QAM				0	3.85	42.329	0.0540	-2.5 to 2.5	Pass
				10	3.85	47.836	0.0610	-2.5 to 2.5	Pass
				30	3.85	5.765	0.0073	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0020	-2.5 to 2.5	Pass
				50	3.85	-12.531	-0.0160	-2.5 to 2.5	Pass
	779.5	25	0	20	3.27	4.048	0.0052	-2.5 to 2.5	Pass
					3.85	17.681	0.0227	-2.5 to 2.5	Pass
					4.43	31.242	0.0401	-2.5 to 2.5	Pass
				-30	3.85	42.744	0.0548	-2.5 to 2.5	Pass
				-20	3.85	12.045	0.0155	-2.5 to 2.5	Pass
				-10	3.85	25.320	0.0325	-2.5 to 2.5	Pass
				0	3.85	31.142	0.0400	-2.5 to 2.5	Pass
				10	3.85	20.957	0.0269	-2.5 to 2.5	Pass
				30	3.85	20.800	0.0267	-2.5 to 2.5	Pass
				40	3.85	36.635	0.0470	-2.5 to 2.5	Pass
				50	3.85	53.172	0.0682	-2.5 to 2.5	Pass
	782	25	0	20	3.27	6.123	0.0078	-2.5 to 2.5	Pass
					3.85	15.492	0.0198	-2.5 to 2.5	Pass
					4.43	18.897	0.0242	-2.5 to 2.5	Pass
				-30	3.85	8.311	0.0106	-2.5 to 2.5	Pass
				-20	3.85	18.196	0.0233	-2.5 to 2.5	Pass
				-10	3.85	33.889	0.0433	-2.5 to 2.5	Pass
				0	3.85	47.679	0.0610	-2.5 to 2.5	Pass
				10	3.85	7.782	0.0100	-2.5 to 2.5	Pass
				30	3.85	20.614	0.0264	-2.5 to 2.5	Pass
				40	3.85	29.769	0.0381	-2.5 to 2.5	Pass
				50	3.85	39.053	0.0499	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-5.107	-0.0065	-2.5 to 2.5	Pass
					3.85	8.540	0.0109	-2.5 to 2.5	Pass
					4.43	18.053	0.0230	-2.5 to 2.5	Pass
				-30	3.85	29.268	0.0373	-2.5 to 2.5	Pass
				-20	3.85	38.781	0.0494	-2.5 to 2.5	Pass
				-10	3.85	46.463	0.0592	-2.5 to 2.5	Pass
				0	3.85	46.363	0.0591	-2.5 to 2.5	Pass
				10	3.85	2.117	0.0027	-2.5 to 2.5	Pass
				30	3.85	9.027	0.0115	-2.5 to 2.5	Pass
				40	3.85	18.983	0.0242	-2.5 to 2.5	Pass
				50	3.85	28.896	0.0368	-2.5 to 2.5	Pass

2.1.2 B13_10MHz

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	-4.992	-0.0064	-2.5 to 2.5	Pass
					3.85	-36.049	-0.0461	-2.5 to 2.5	Pass
					4.43	-11.830	-0.0151	-2.5 to 2.5	Pass
				-30	3.85	-19.641	-0.0251	-2.5 to 2.5	Pass
				-20	3.85	-8.397	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-45.276	-0.0579	-2.5 to 2.5	Pass
				0	3.85	-39.825	-0.0509	-2.5 to 2.5	Pass
				10	3.85	-16.923	-0.0216	-2.5 to 2.5	Pass
				30	3.85	-49.524	-0.0633	-2.5 to 2.5	Pass
				40	3.85	-22.674	-0.0290	-2.5 to 2.5	Pass
50	3.85	-15.492	-0.0198	-2.5 to 2.5	Pass				
16QAM	782	50	0	20	3.27	-25.835	-0.0330	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0055	-2.5 to 2.5	Pass
					4.43	-39.124	-0.0500	-2.5 to 2.5	Pass

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Page 3 of 46

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Version: 1/00

				-30	3.85	-53.358	-0.0682	-2.5 to 2.5	Pass
				-20	3.85	-9.098	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-14.949	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-13.161	-0.0168	-2.5 to 2.5	Pass
				30	3.85	-20.642	-0.0264	-2.5 to 2.5	Pass
				40	3.85	-24.018	-0.0307	-2.5 to 2.5	Pass
				50	3.85	-25.449	-0.0325	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

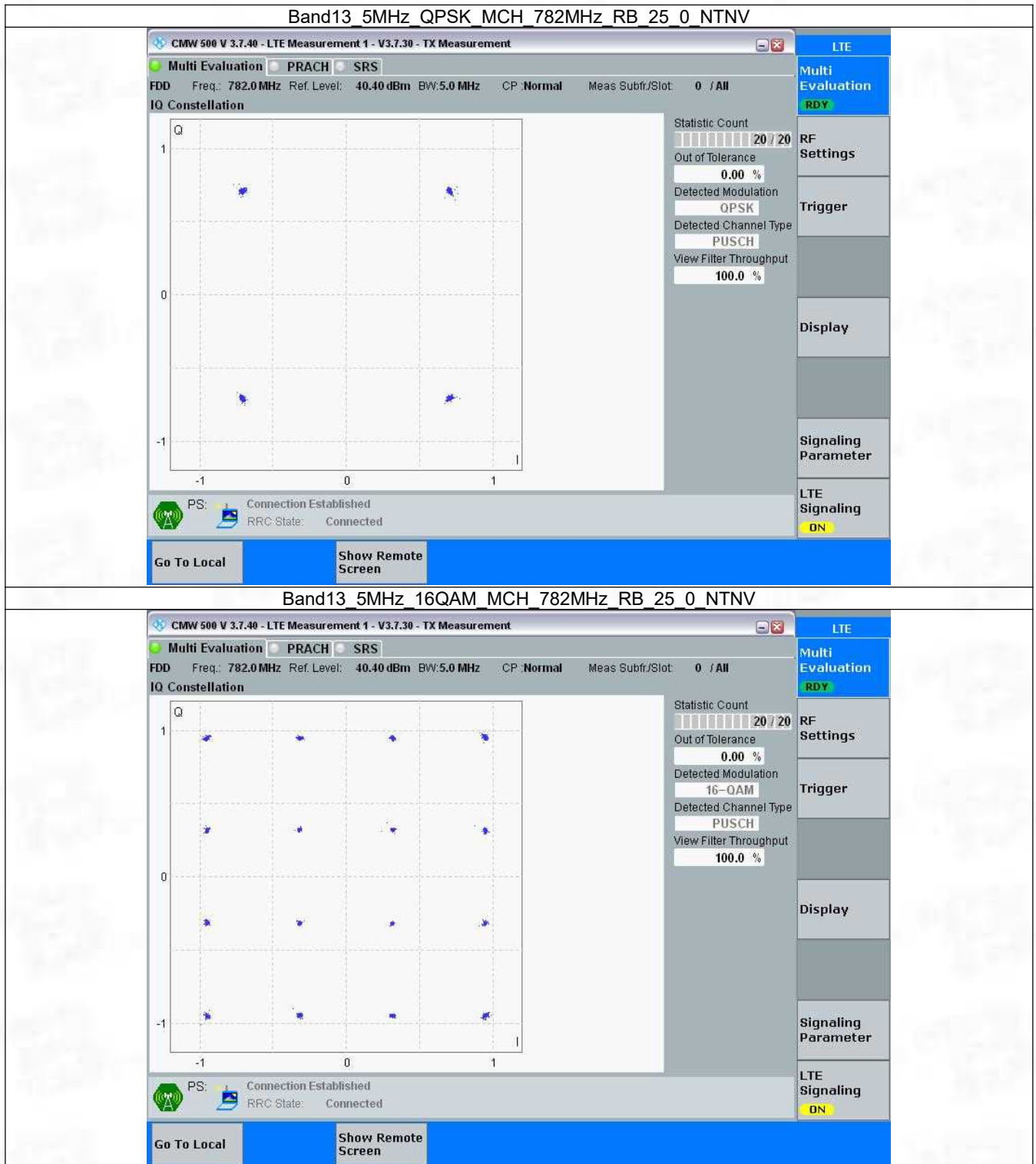
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

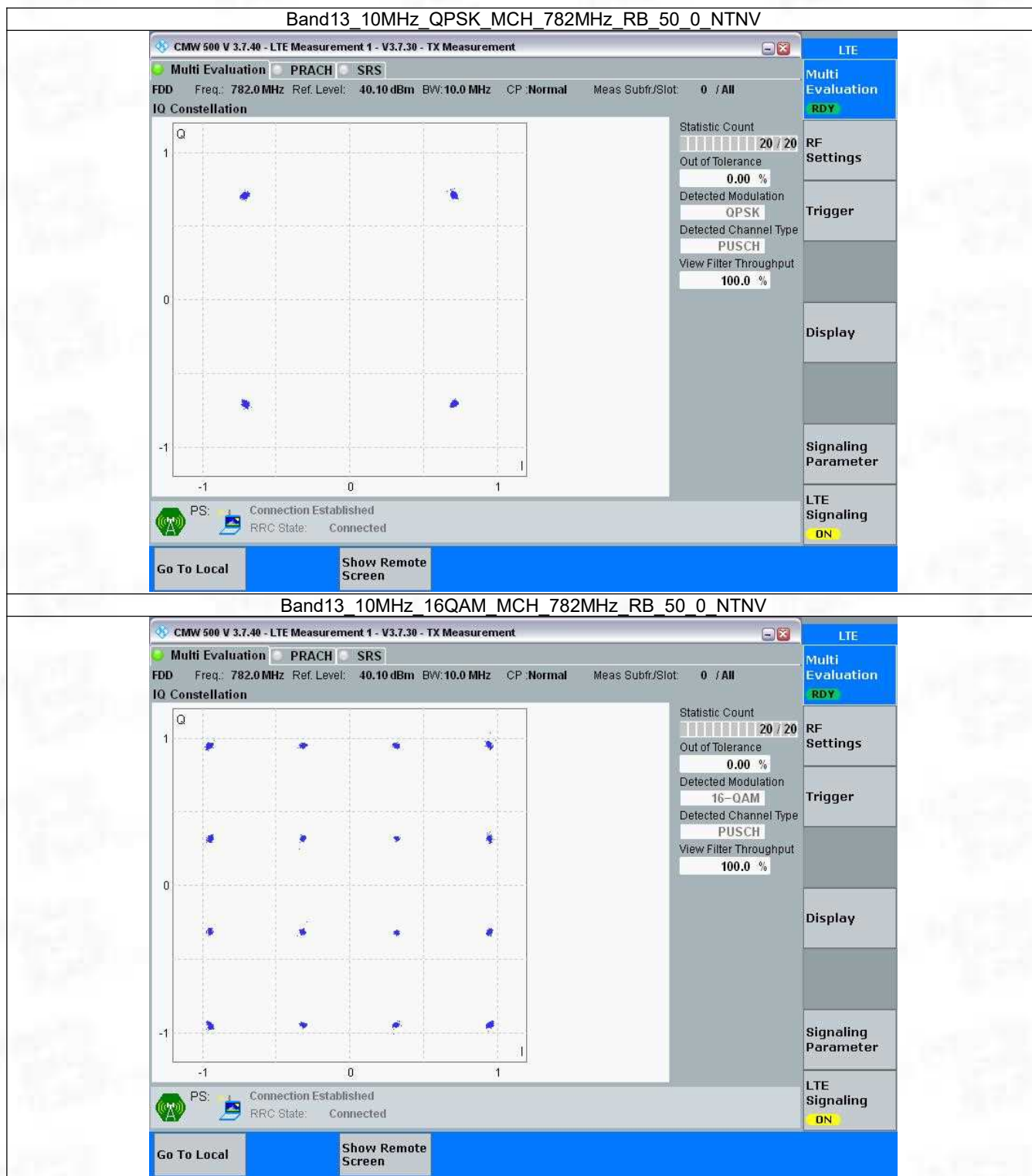
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B13_5MHz



3.2.2 B13_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band13_OBW

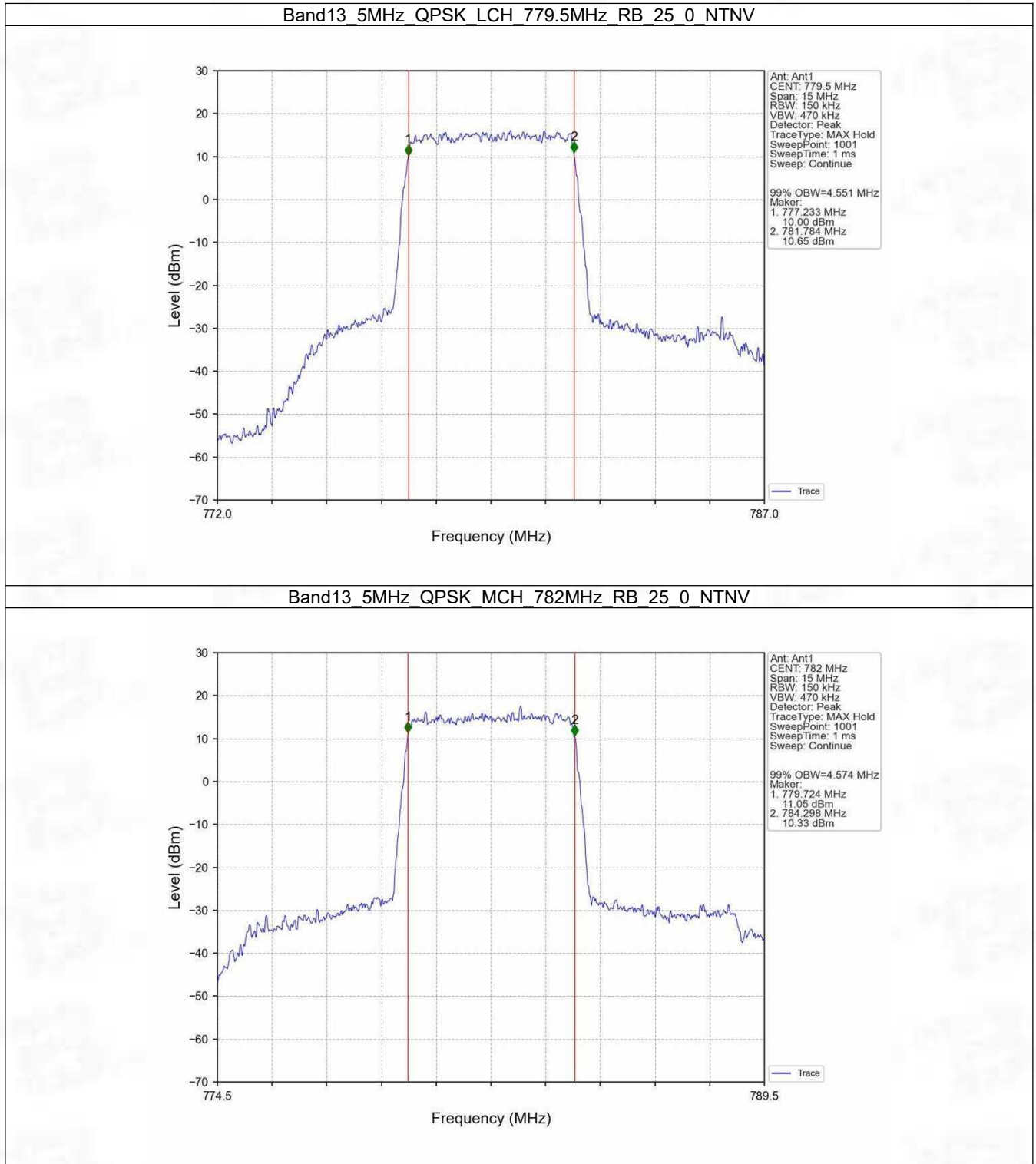
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.551	/	Pass
		782	25	0	4.574	/	Pass
		784.5	25	0	4.528	/	Pass
	16QAM	779.5	25	0	4.575	/	Pass
		782	25	0	4.552	/	Pass
		784.5	25	0	4.545	/	Pass
10	QPSK	782	50	0	9.058	/	Pass
	16QAM	782	50	0	9.041	/	Pass

4.1.2 Band13_XDB

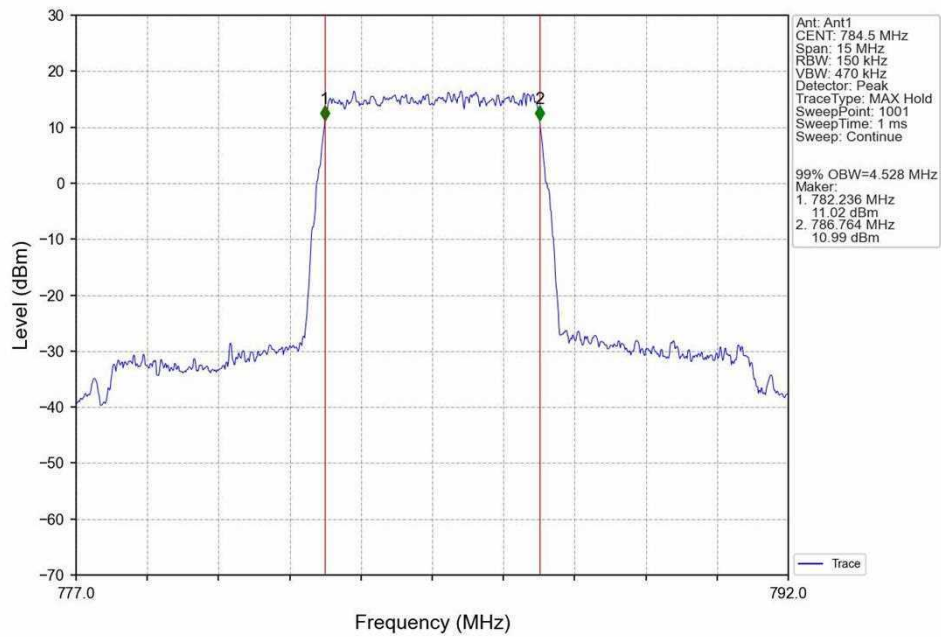
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.034	/	Pass
		782	25	0	5.029	/	Pass
		784.5	25	0	5.089	/	Pass
	16QAM	779.5	25	0	5.068	/	Pass
		782	25	0	5.055	/	Pass
		784.5	25	0	5.092	/	Pass
10	QPSK	782	50	0	9.940	/	Pass
	16QAM	782	50	0	10.060	/	Pass

4.2 Test Graph

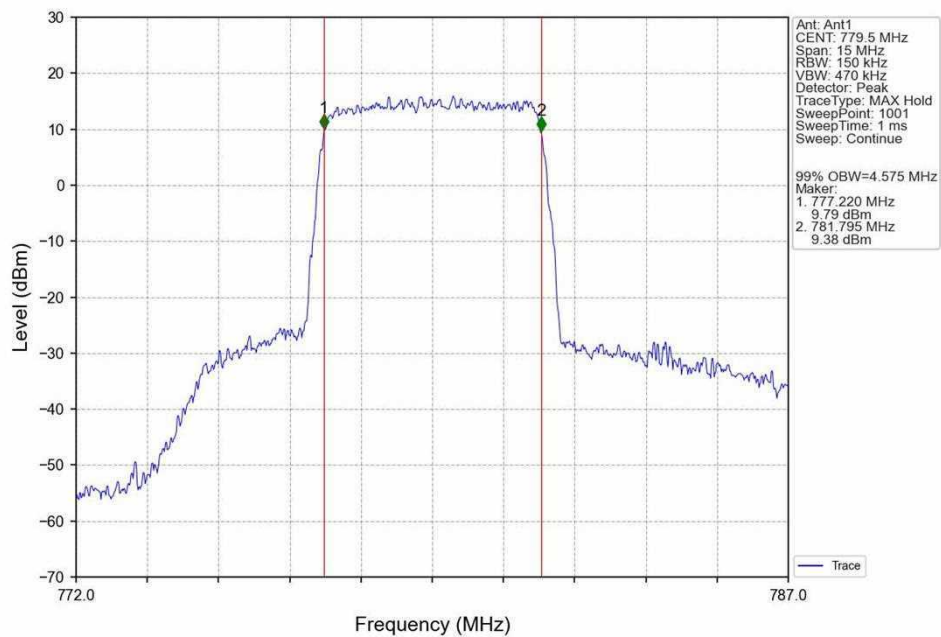
4.2.1 Band13_OBW



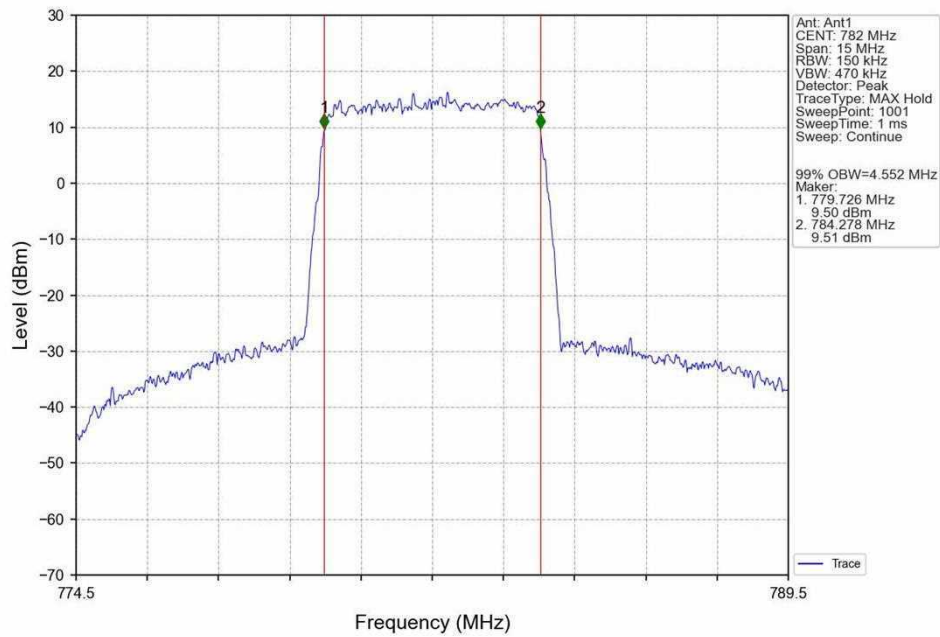
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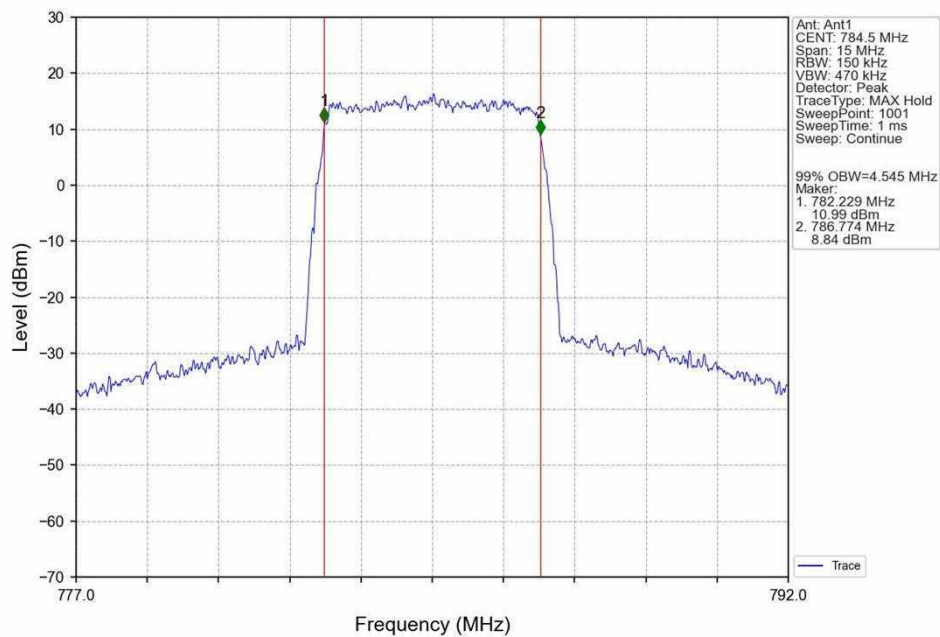
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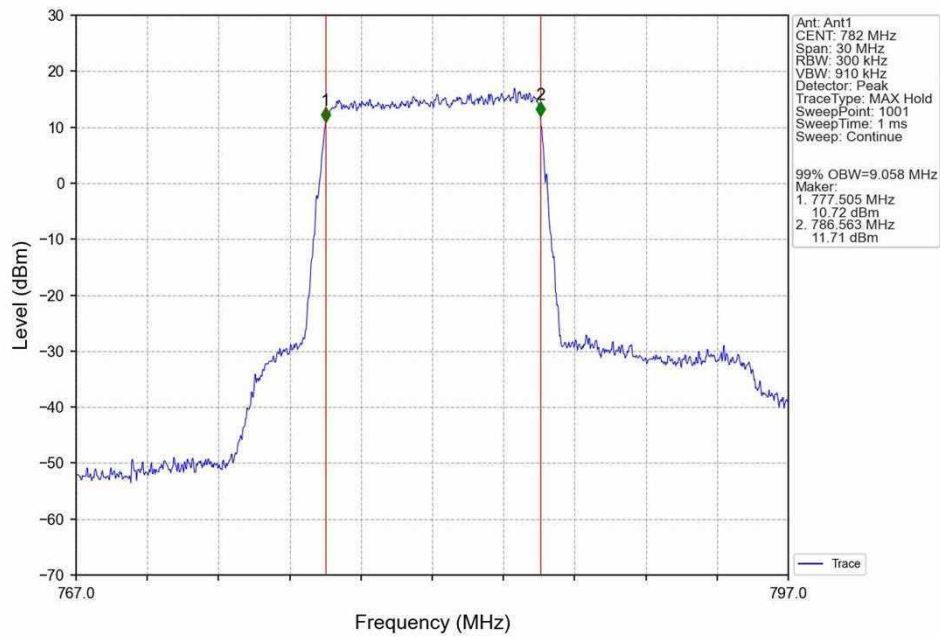
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



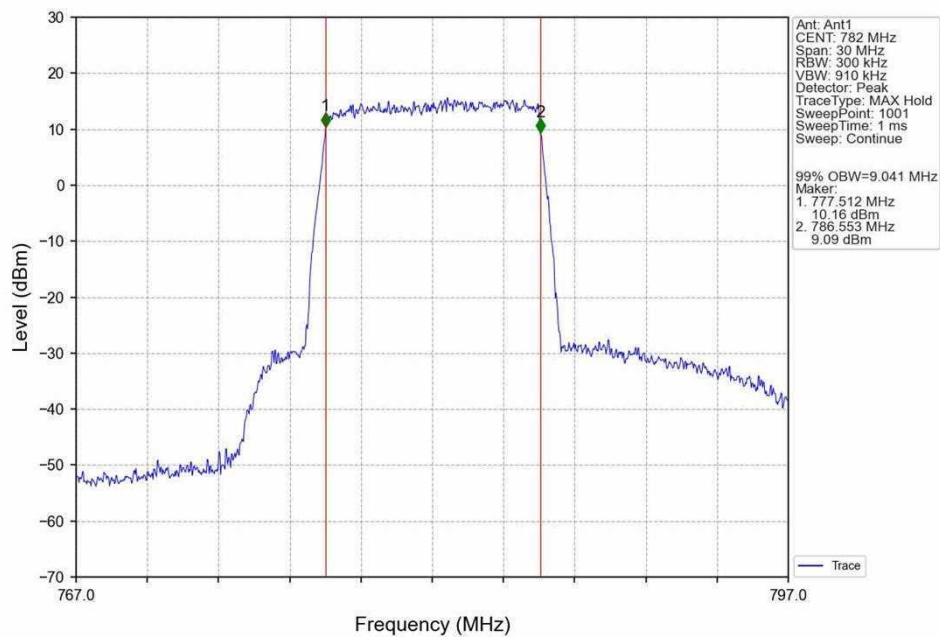
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



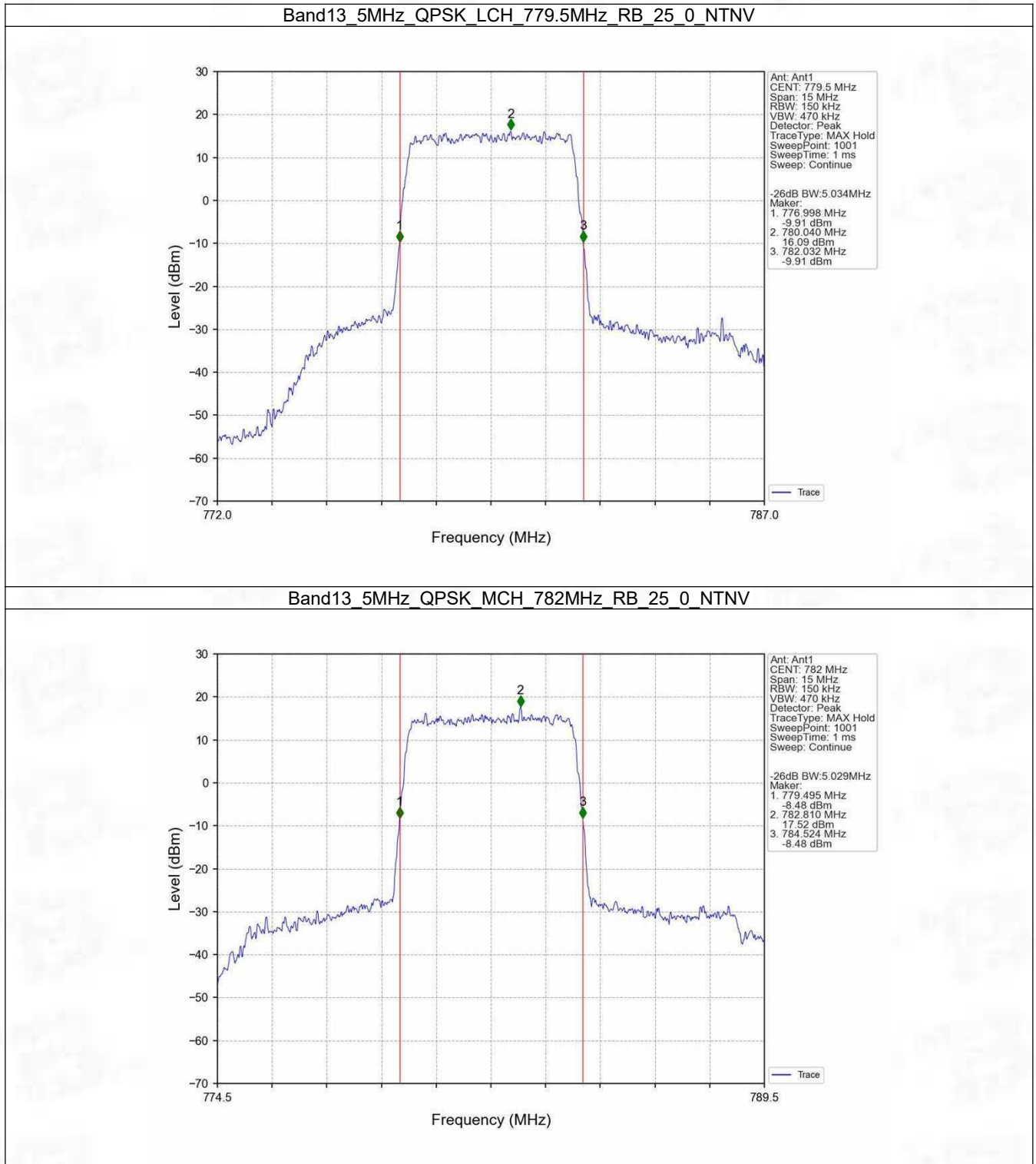
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



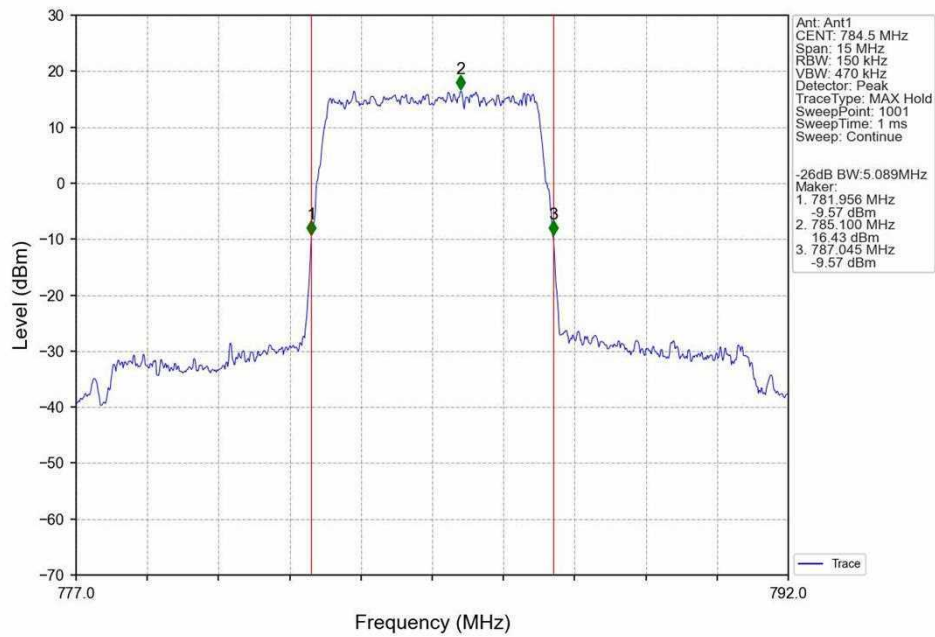
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



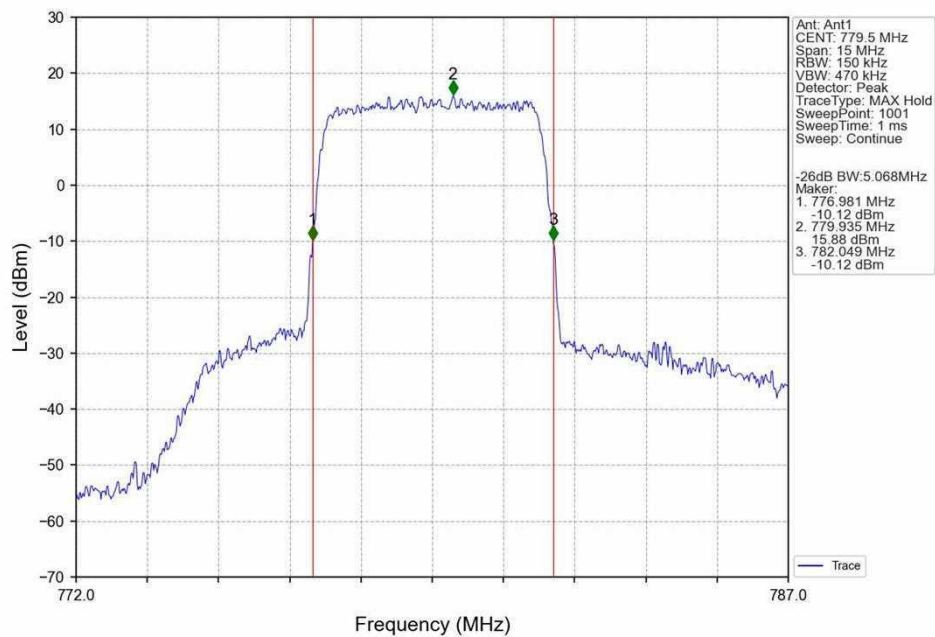
4.2.2 Band13_XDB



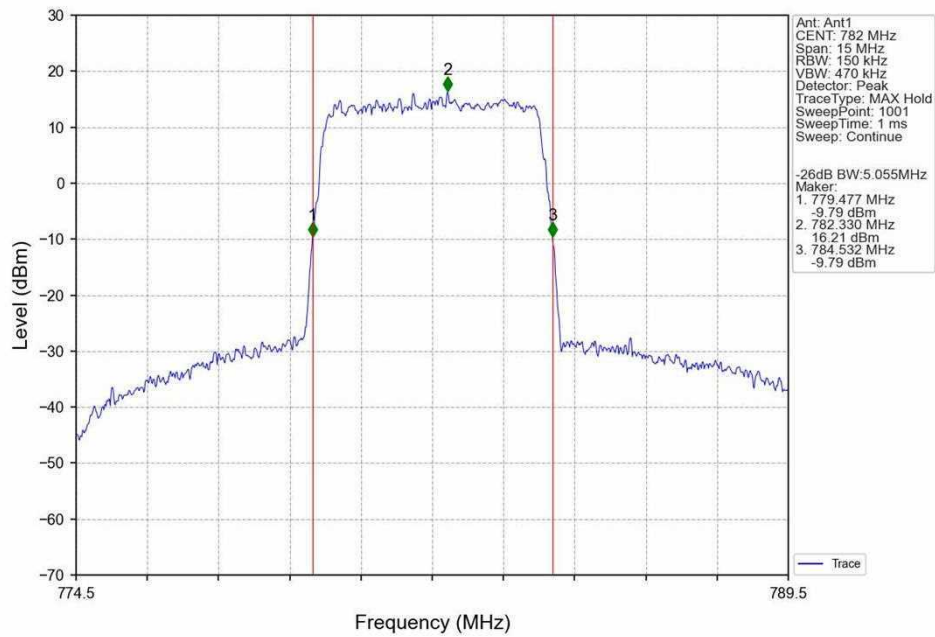
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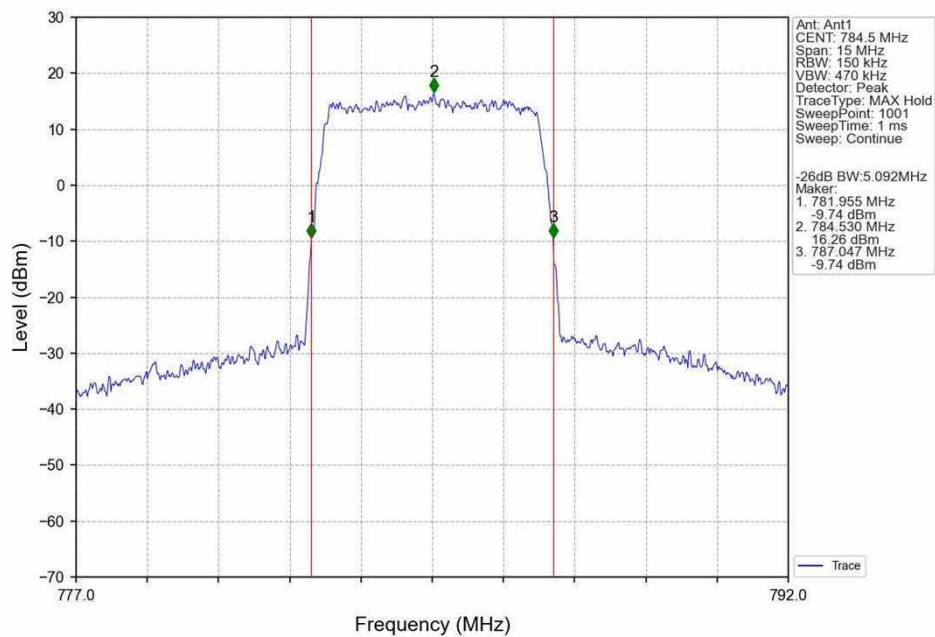
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



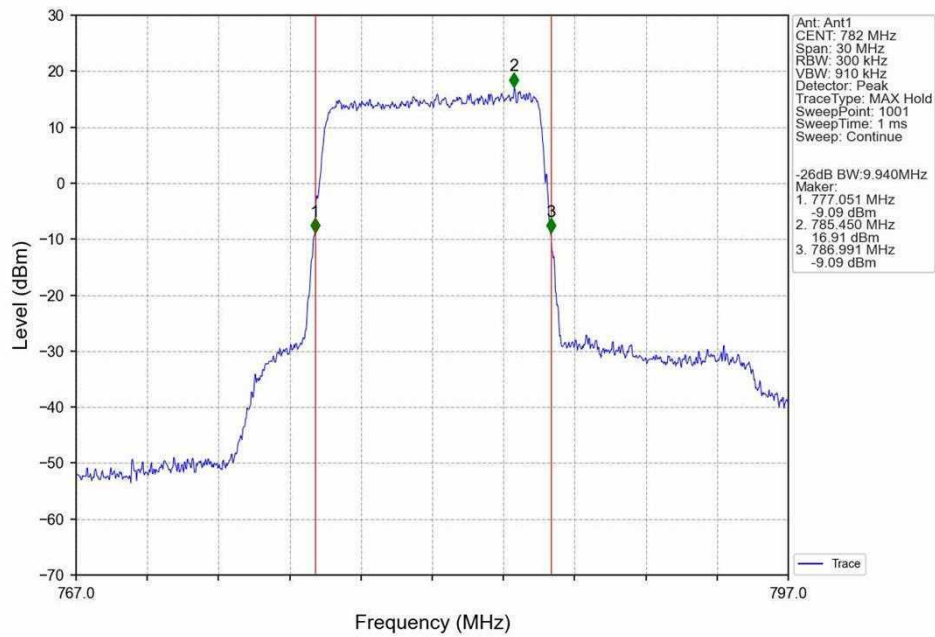
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



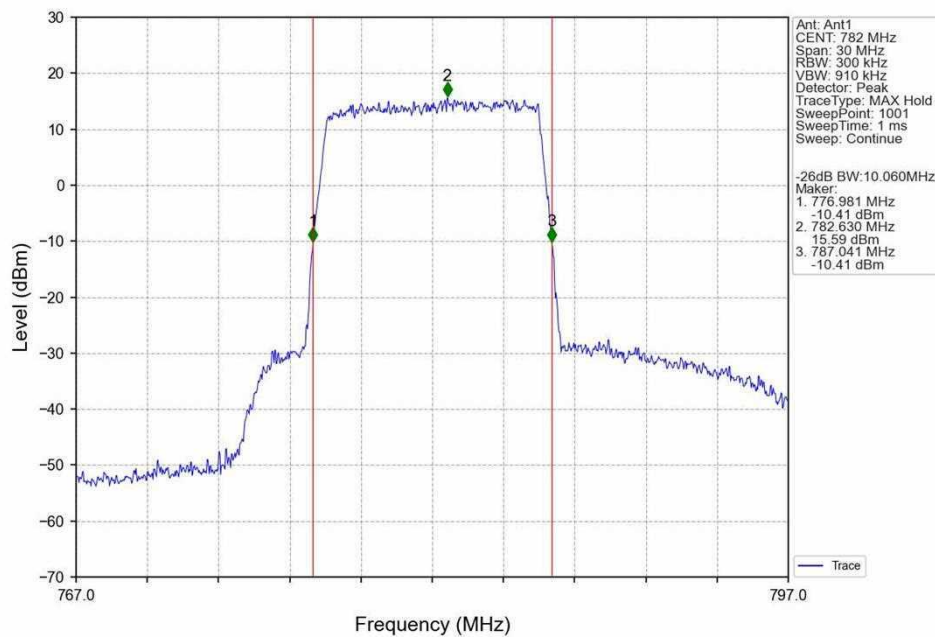
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

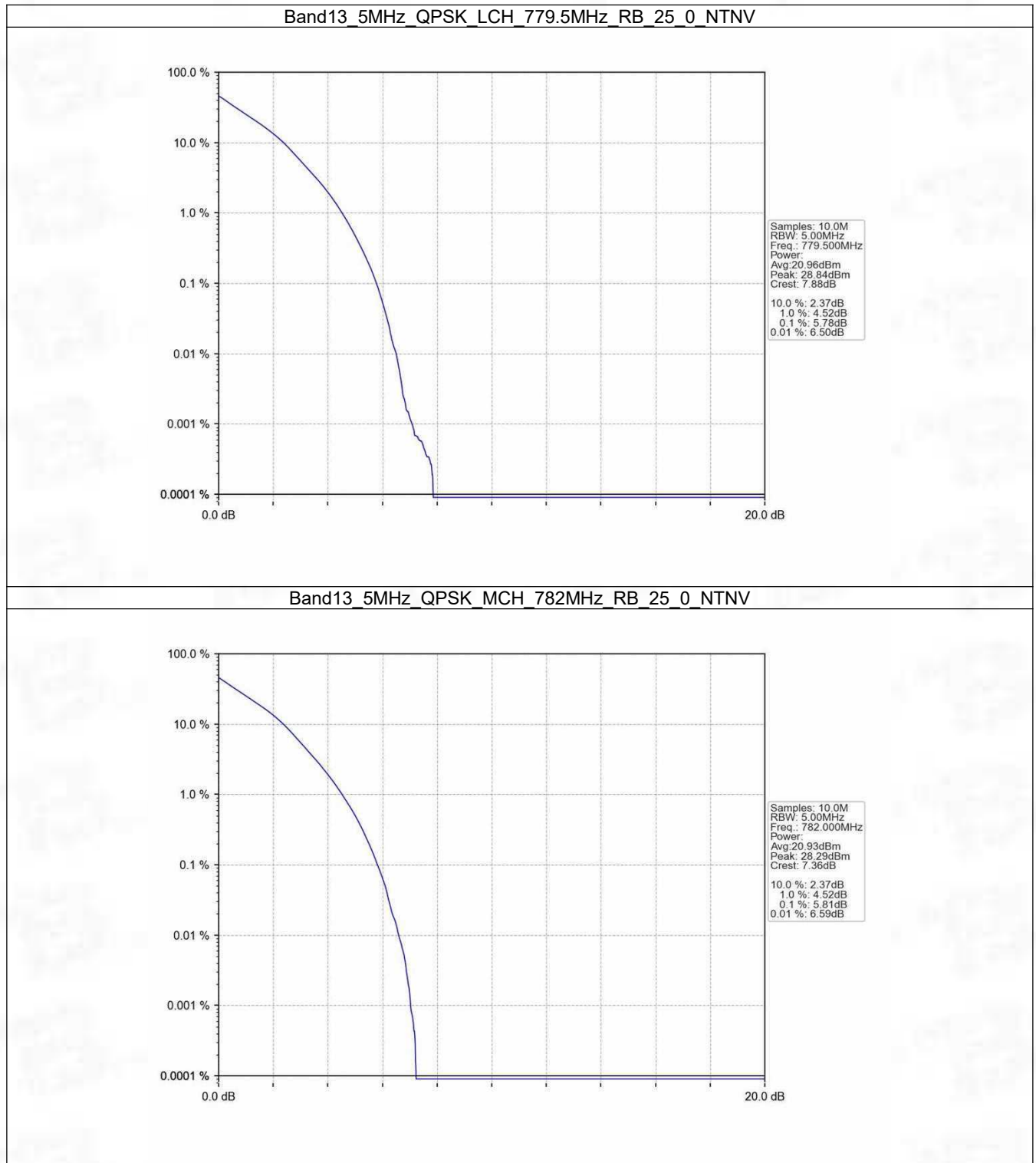
Band: 13 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.78	≤ 13	Pass
	782	25	0	5.81	≤ 13	Pass
	784.5	25	0	5.73	≤ 13	Pass
16QAM	779.5	25	0	6.41	≤ 13	Pass
	782	25	0	6.48	≤ 13	Pass
	784.5	25	0	6.42	≤ 13	Pass

5.1.2 B13_10MHz

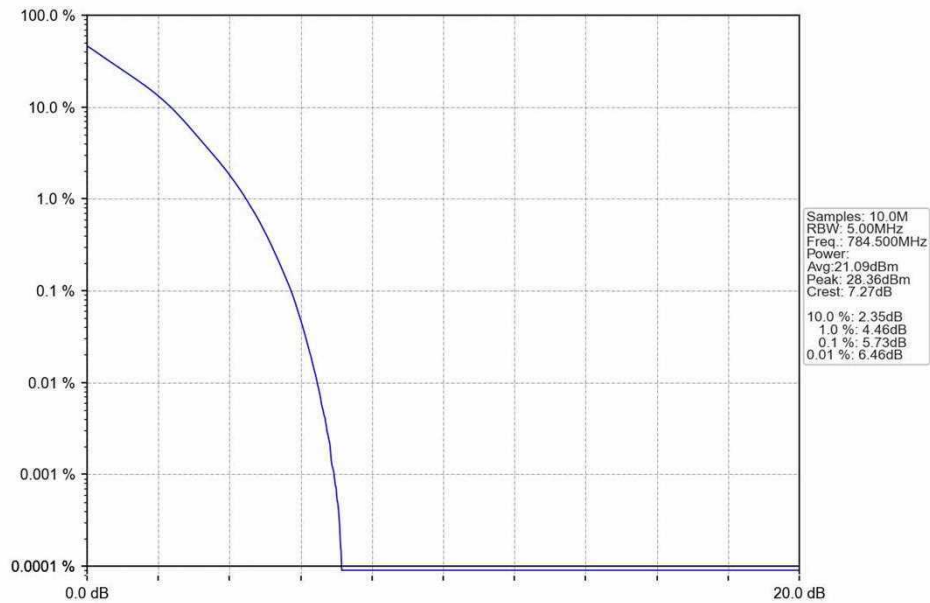
Band: 13 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.72	≤ 13	Pass
16QAM	782	50	0	6.49	≤ 13	Pass

5.2 Test Graph

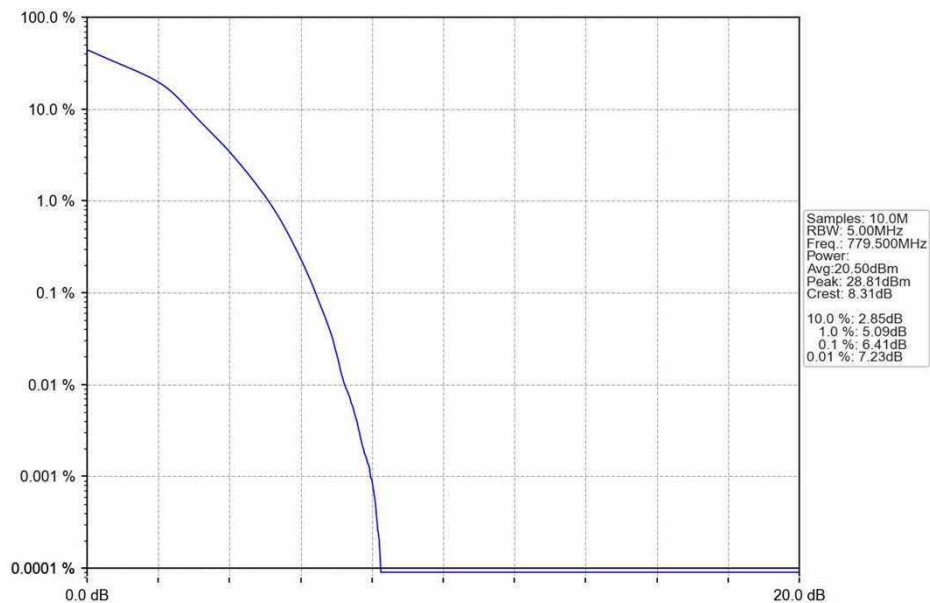
5.2.1 B13_5MHz



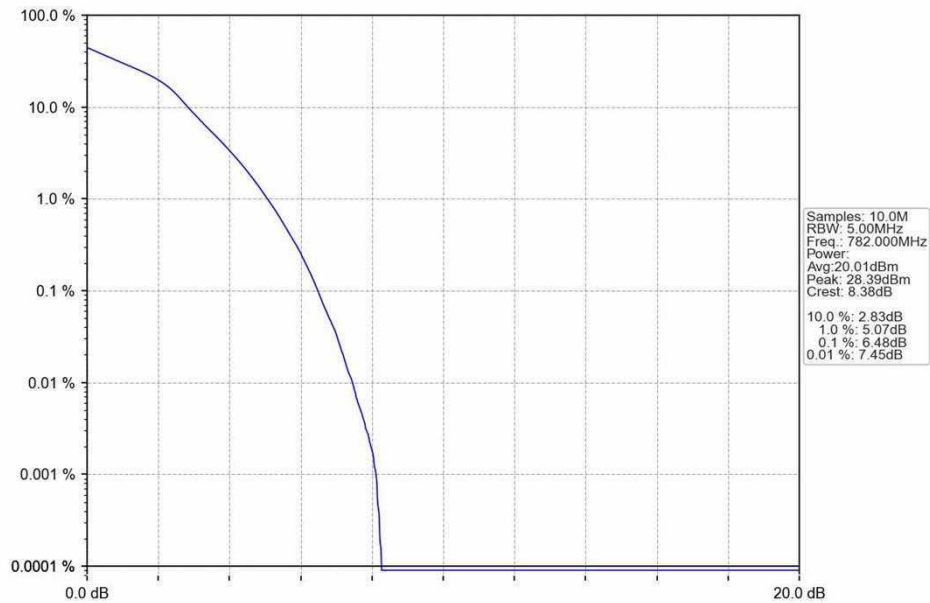
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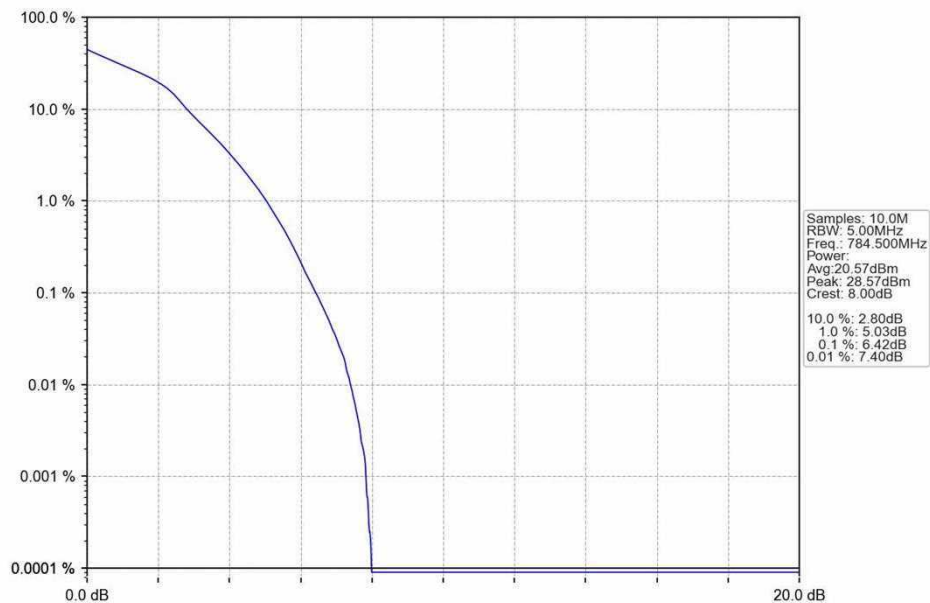
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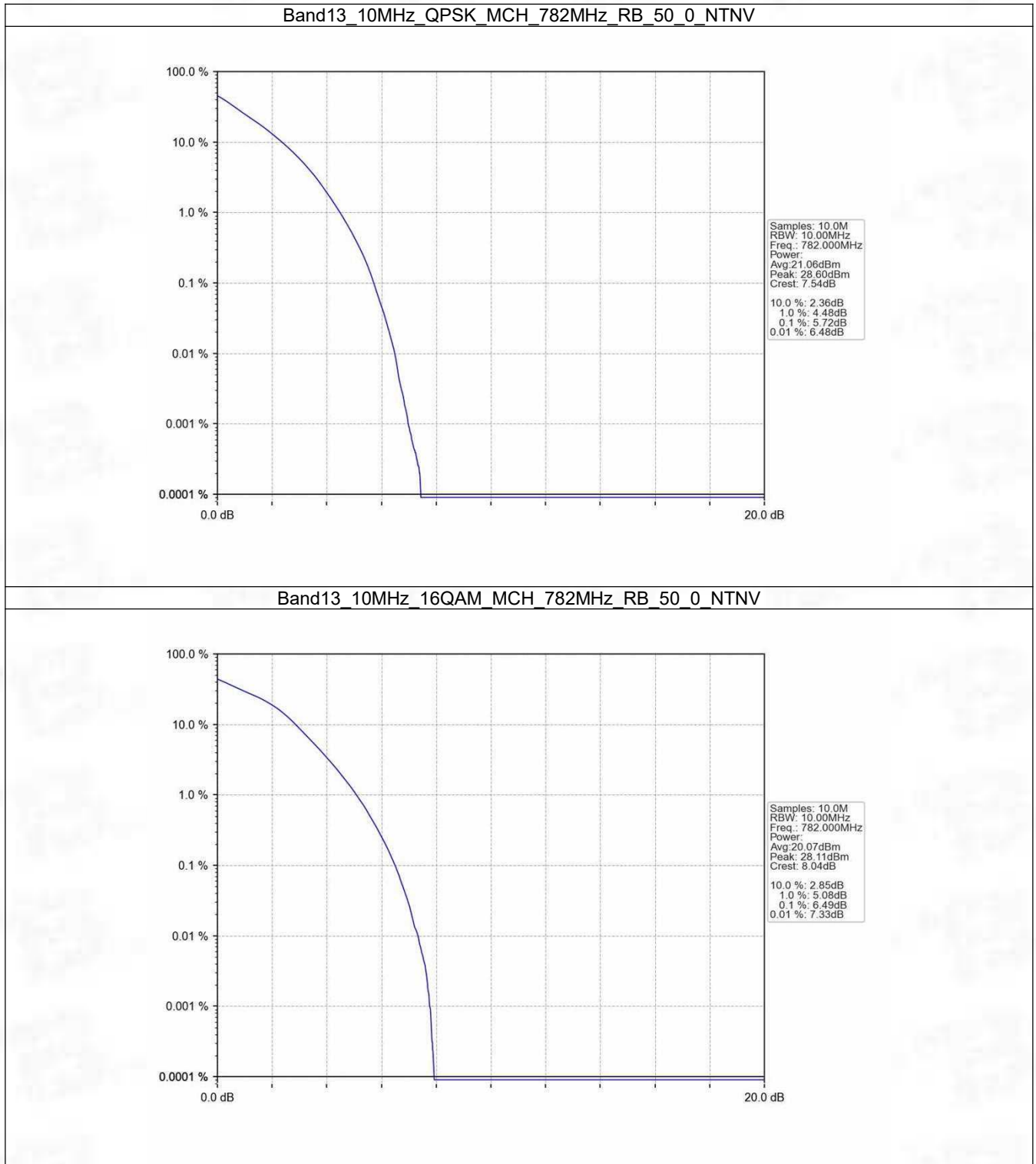
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Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



5.2.2 B13_10MHz



6. Spurious Emission

6.1 Test Result

6.1.1 B13_5MHz

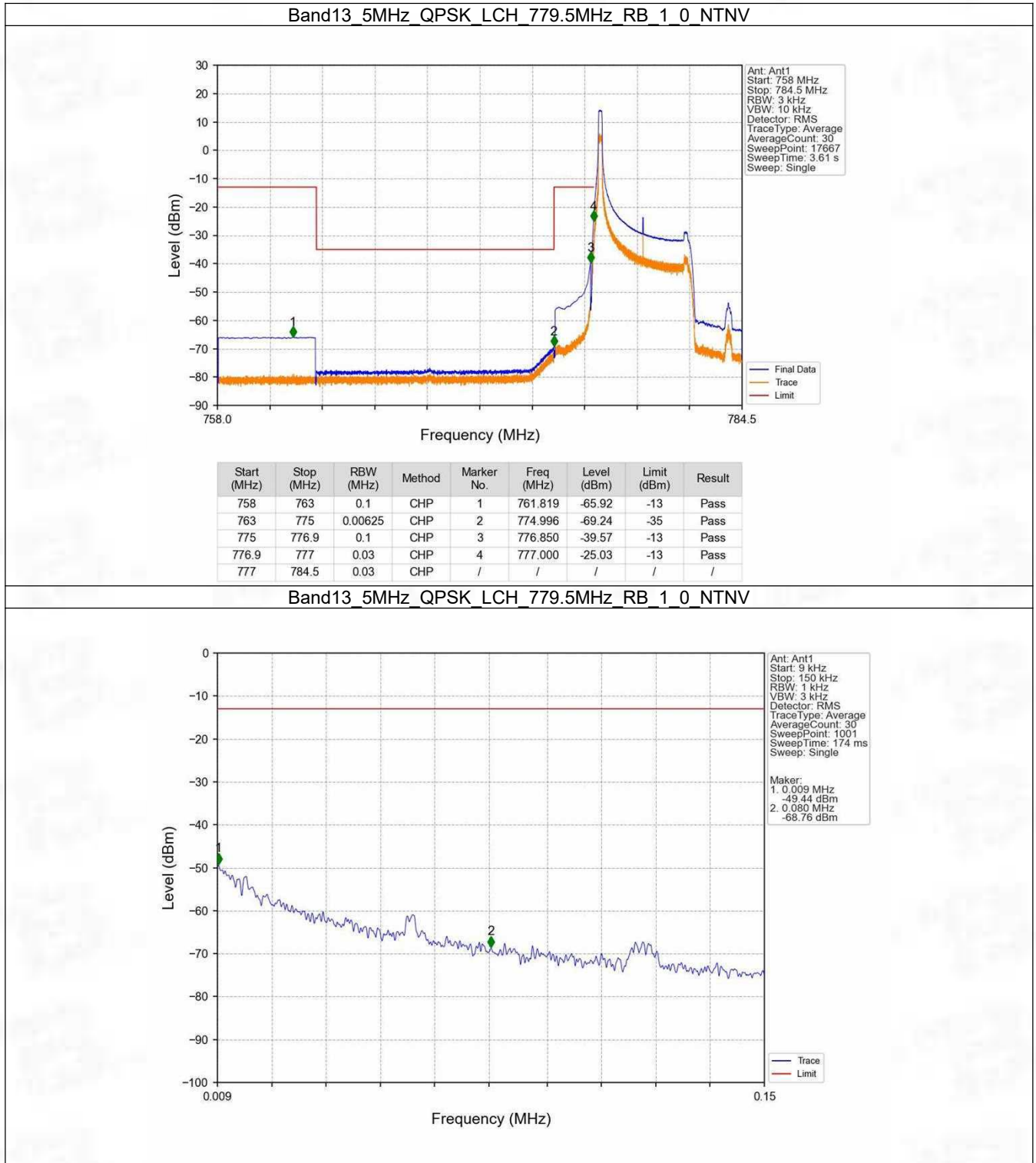
Band: 13 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		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 B13_10MHz

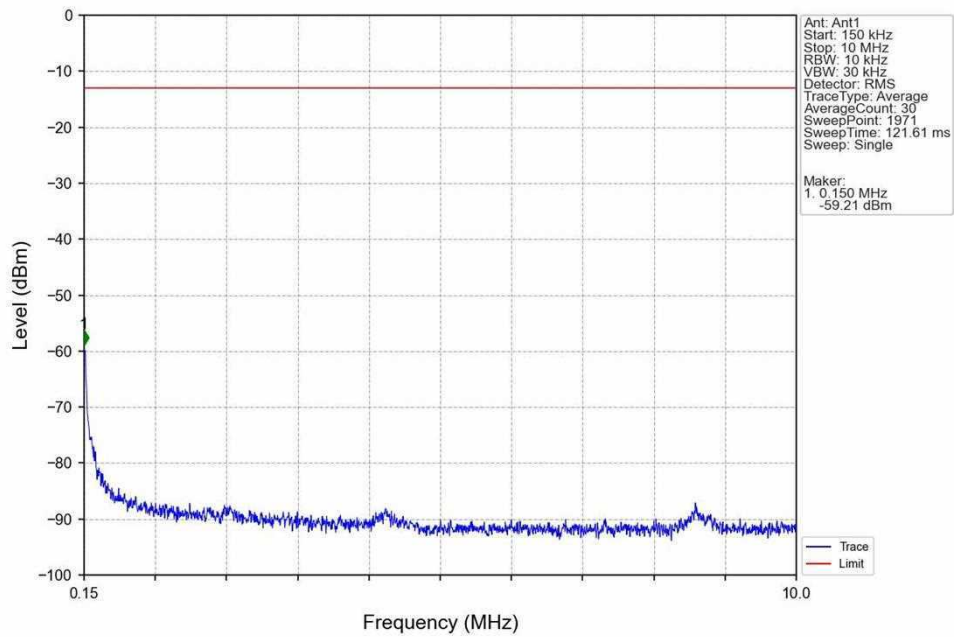
Band: 13 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	782	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	782	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	782	1	0	Refer To Test Graph	Pass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

6.2 Test Graph

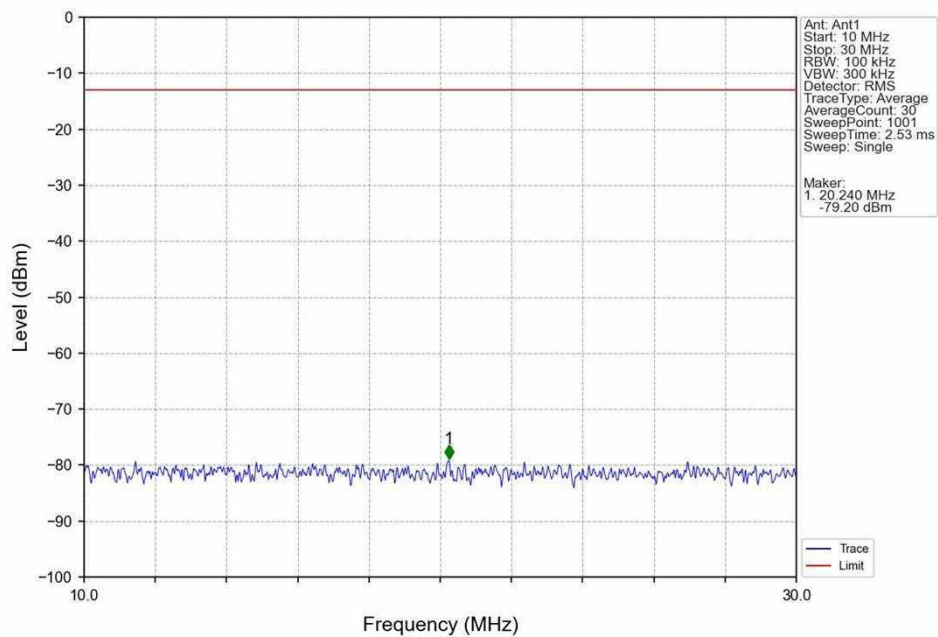
6.2.1 B13_5MHz



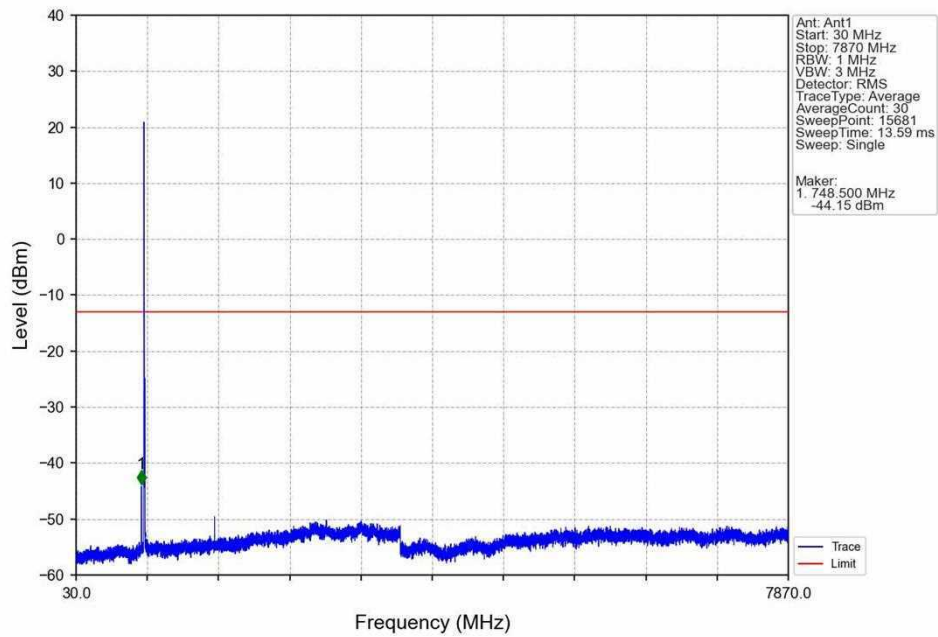
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



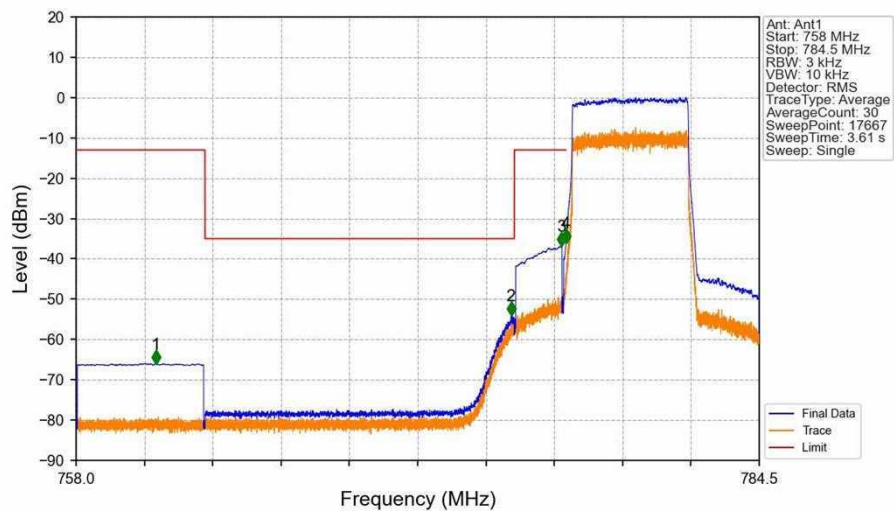
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

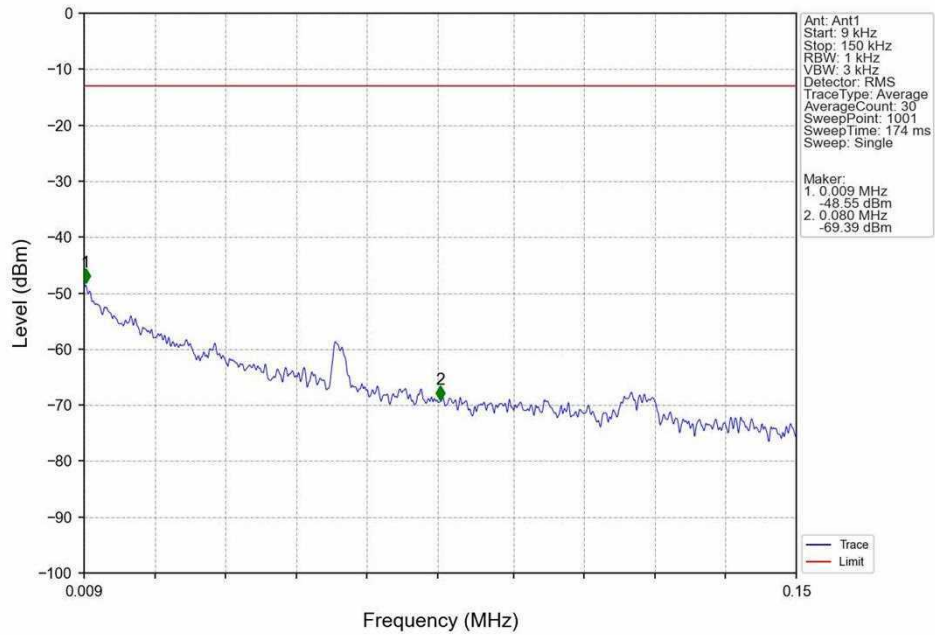


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

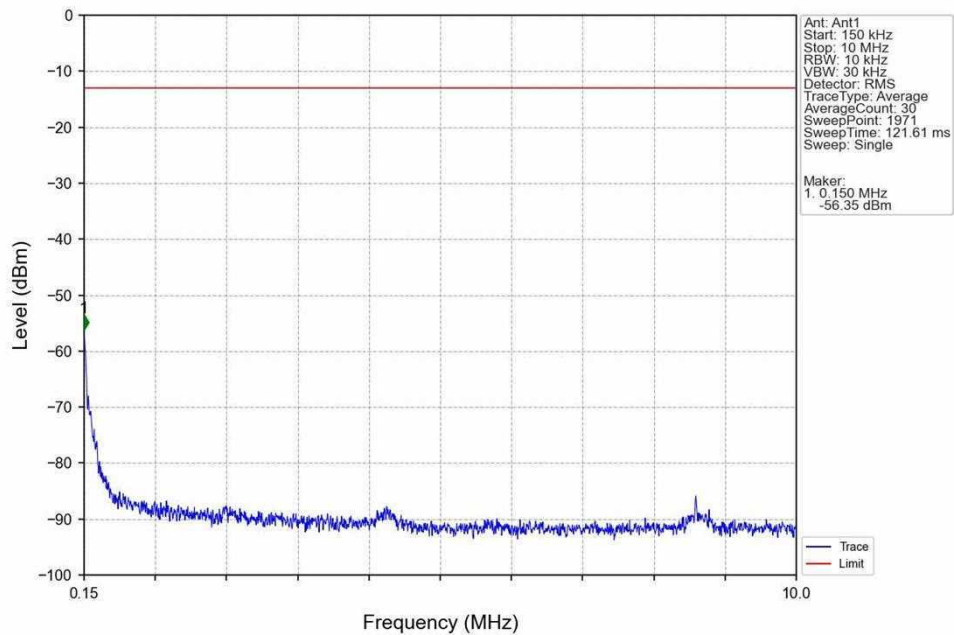


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.089	-66.01	-13	Pass
763	775	0.00625	CHP	2	774.871	-54.16	-35	Pass
775	776.9	0.1	CHP	3	776.821	-36.84	-13	Pass
776.9	777	0.03	CHP	4	777.000	-36.05	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

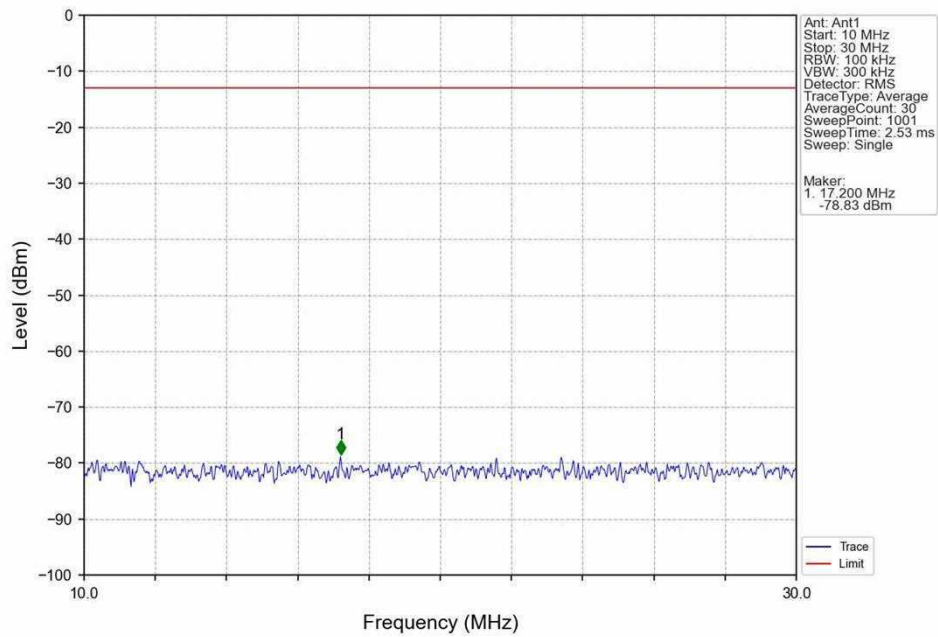
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



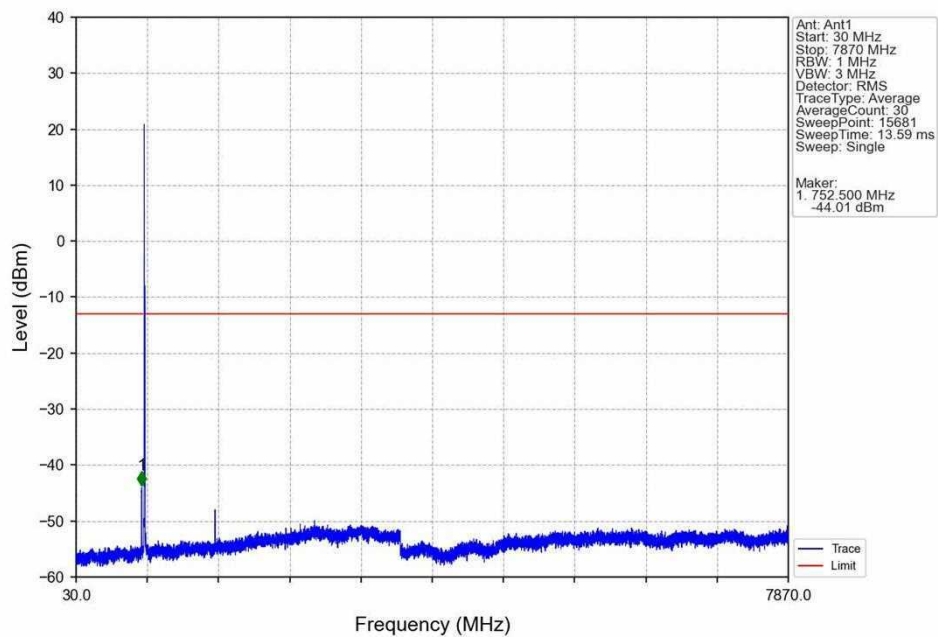
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



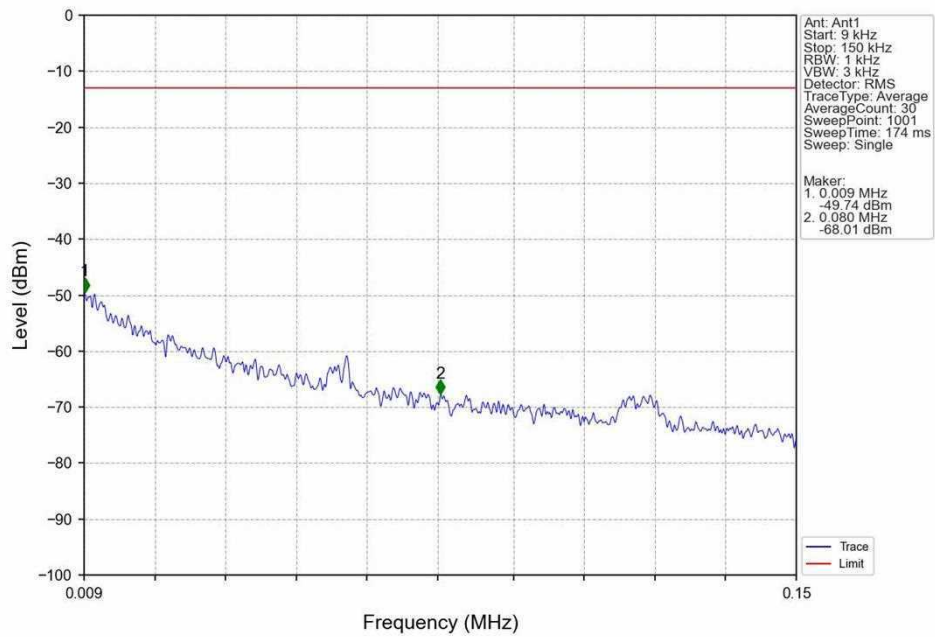
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



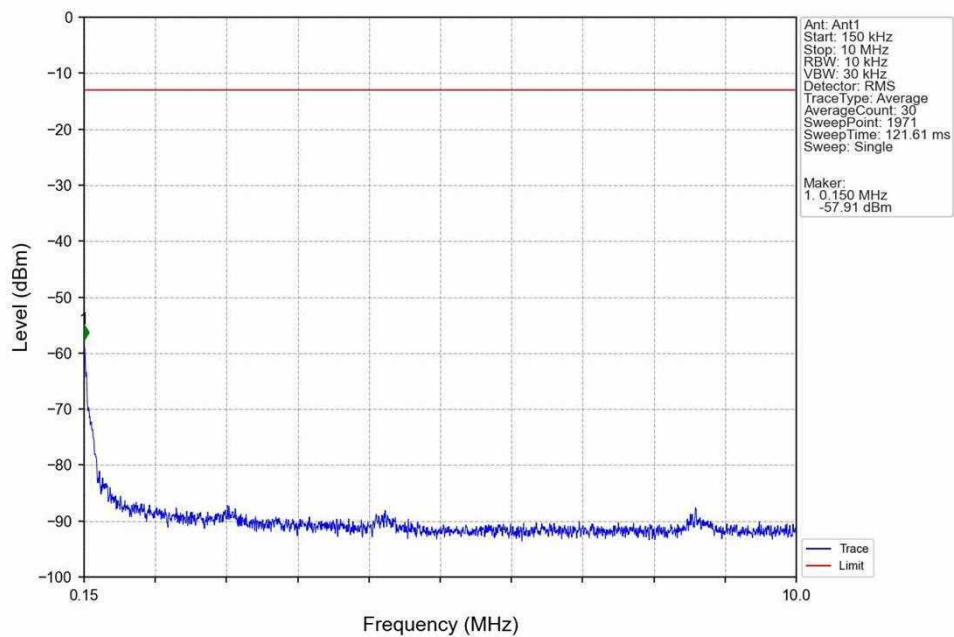
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



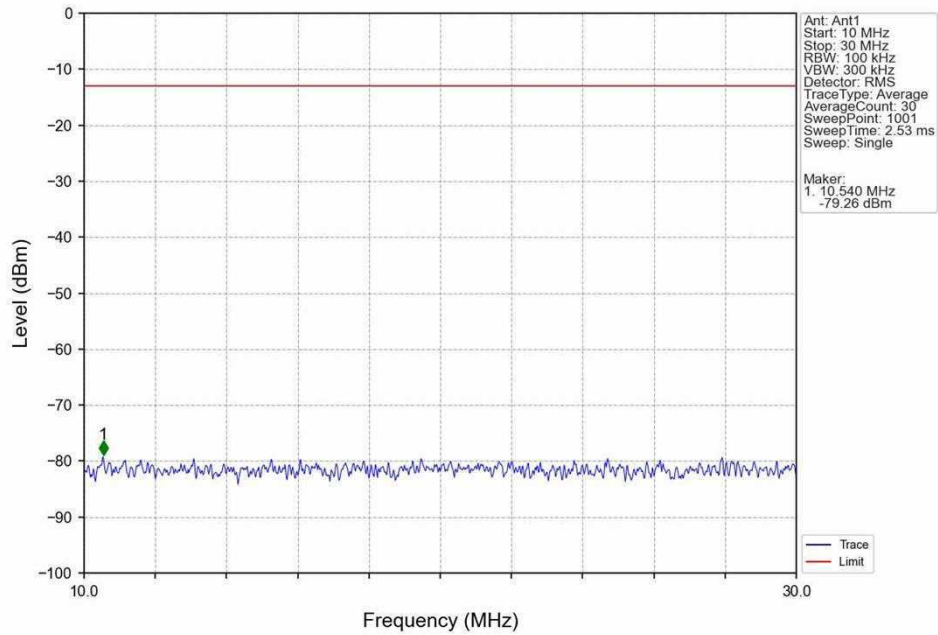
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



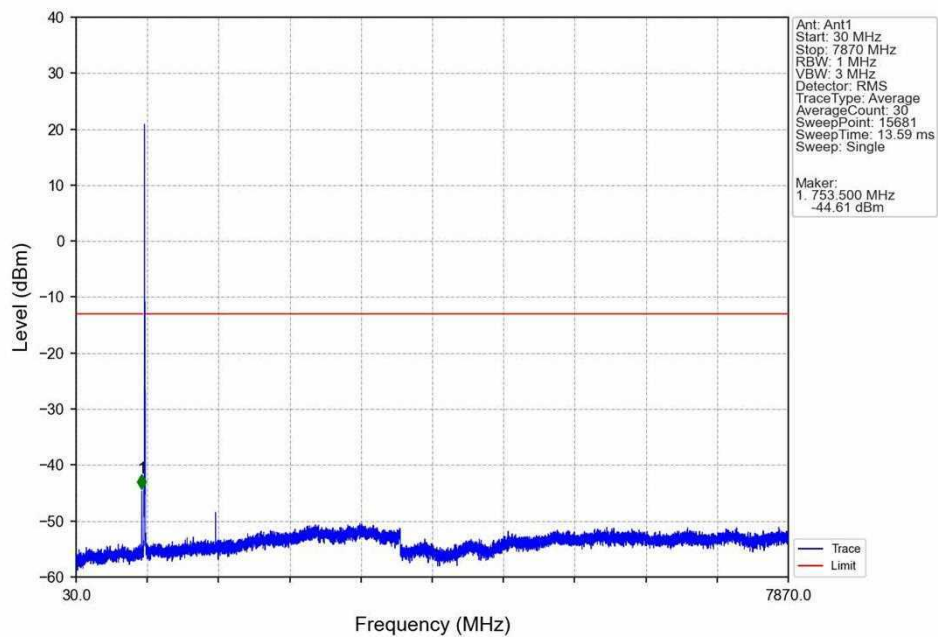
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



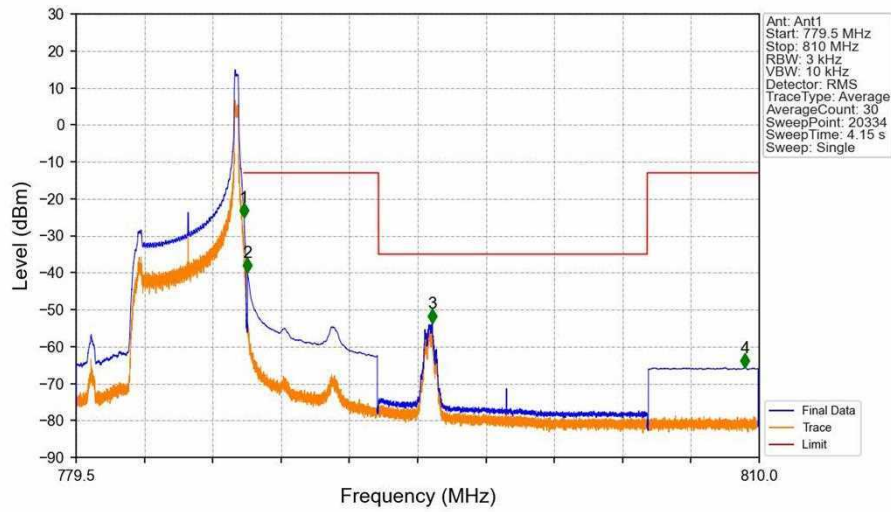
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



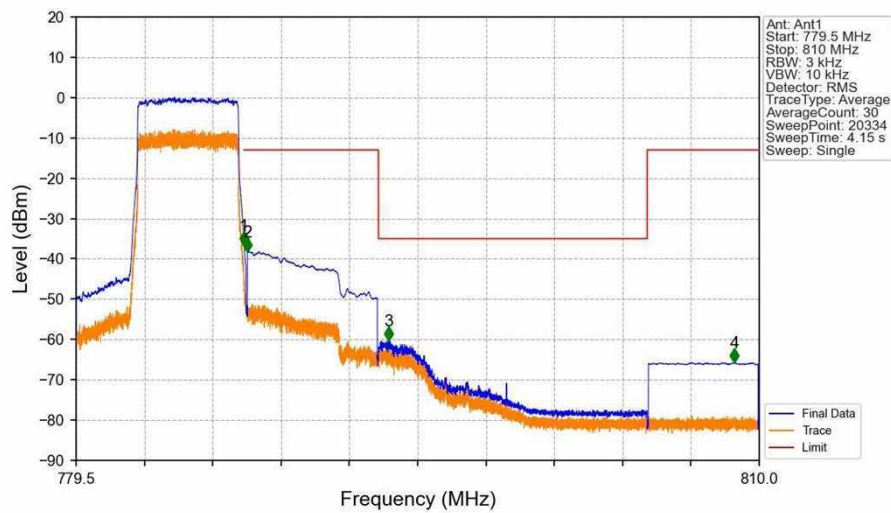
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



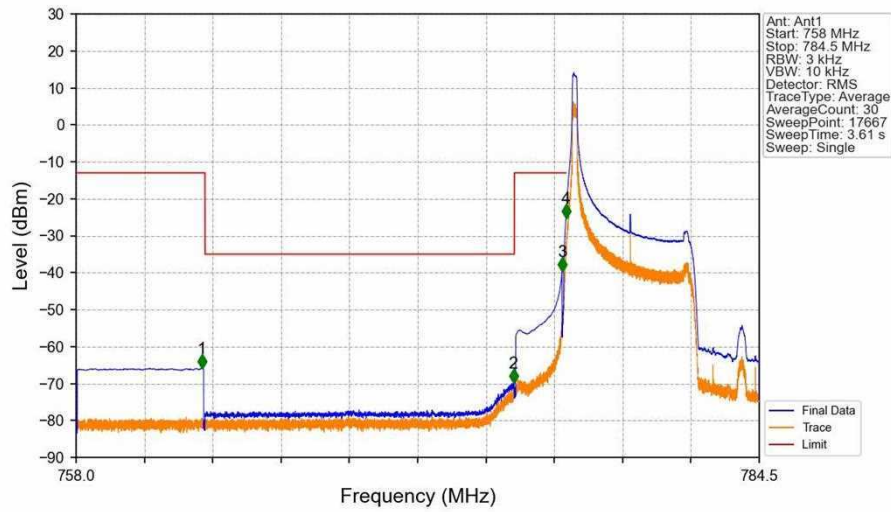
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



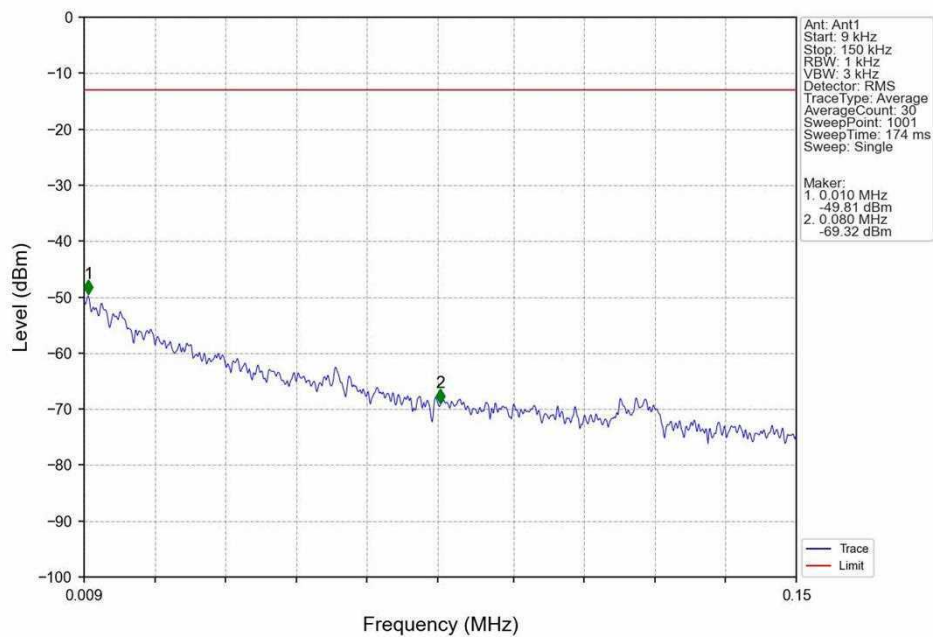
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



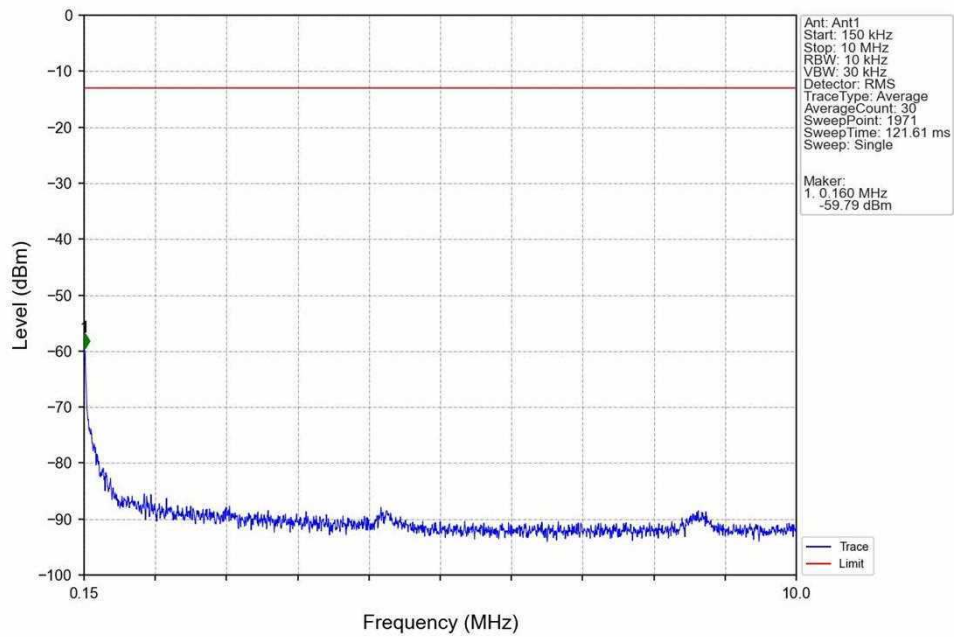
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



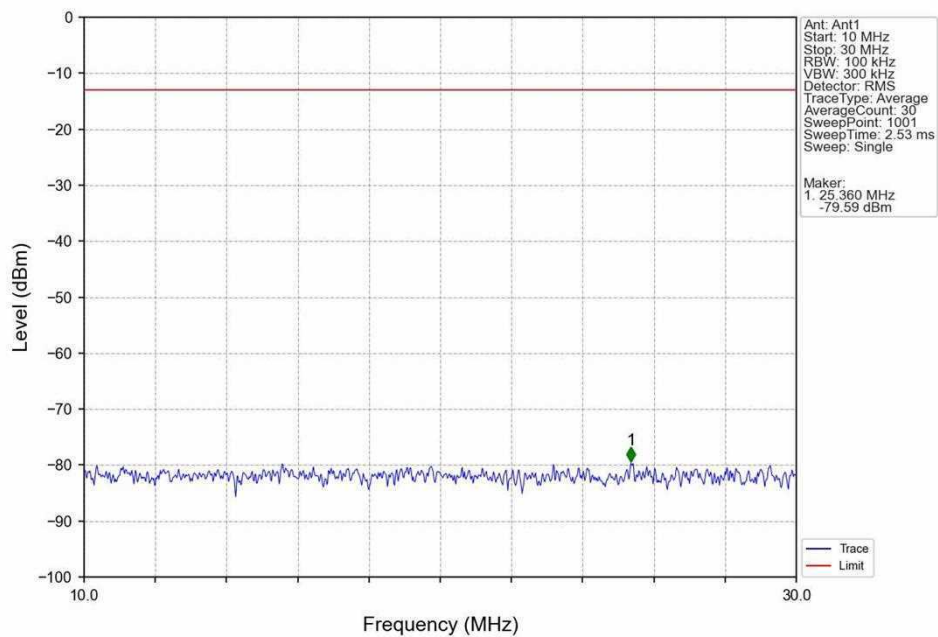
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



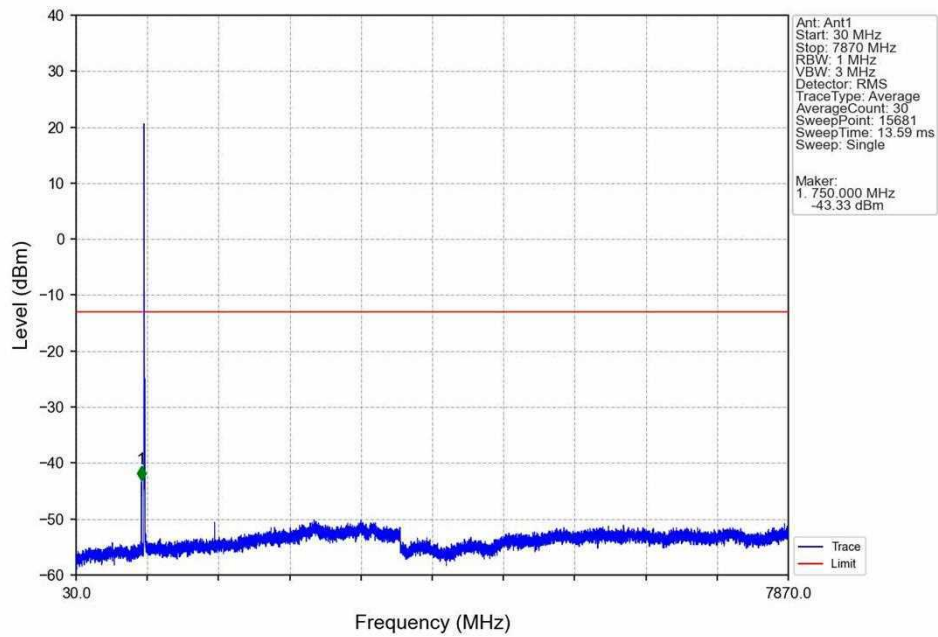
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



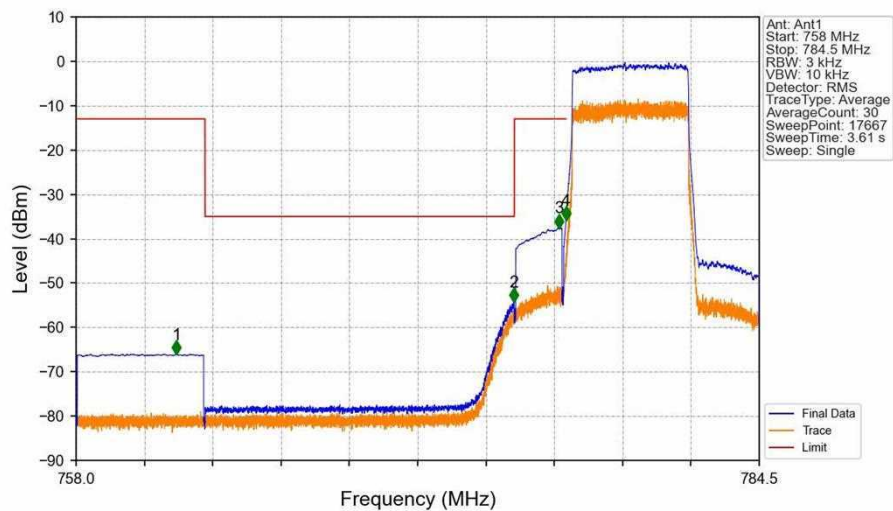
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

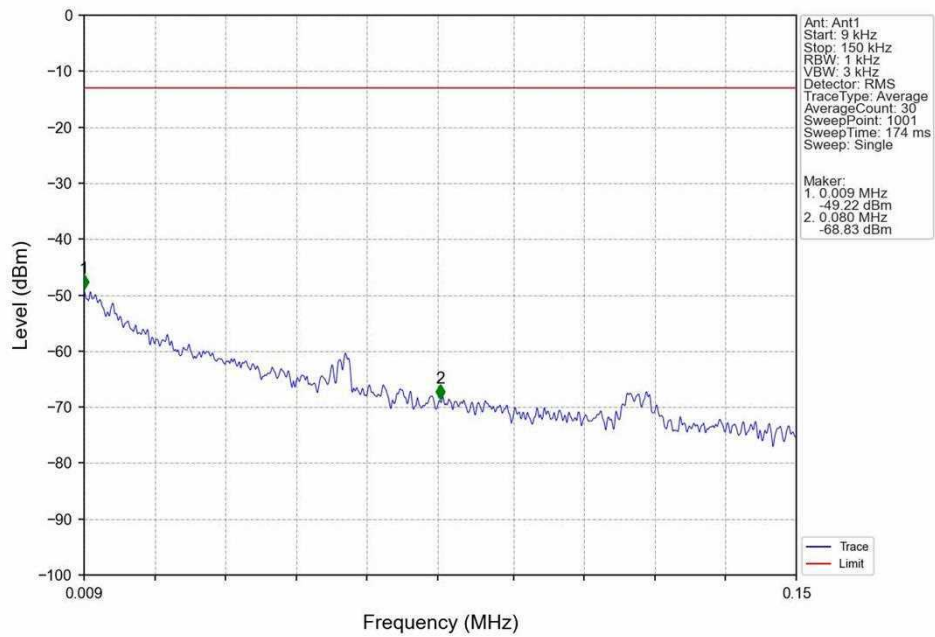


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

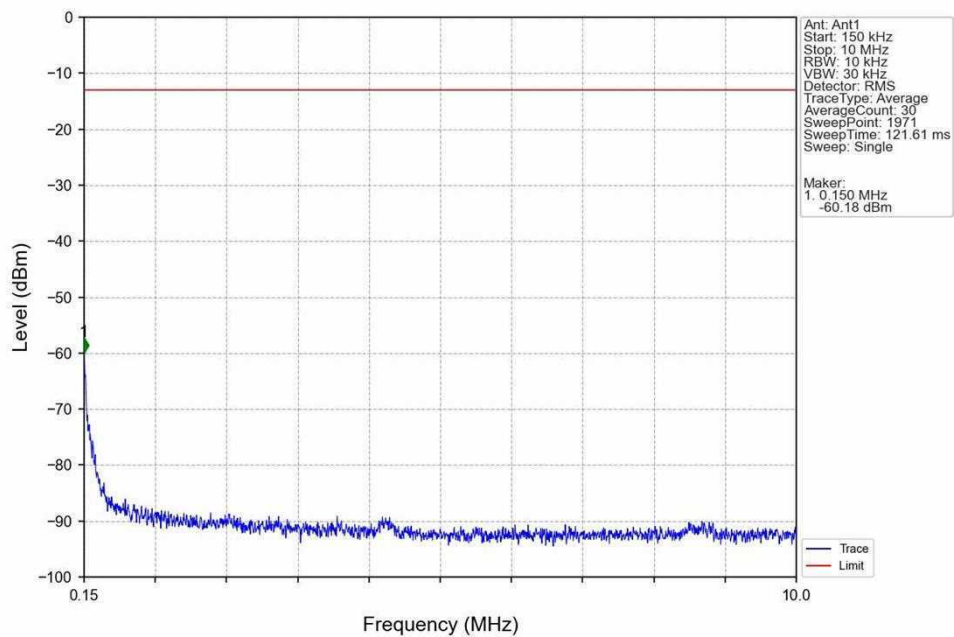


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.888	-66.04	-13	Pass
763	775	0.00625	CHP	2	774.988	-54.16	-35	Pass
775	776.9	0.1	CHP	3	776.716	-37.58	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.92	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

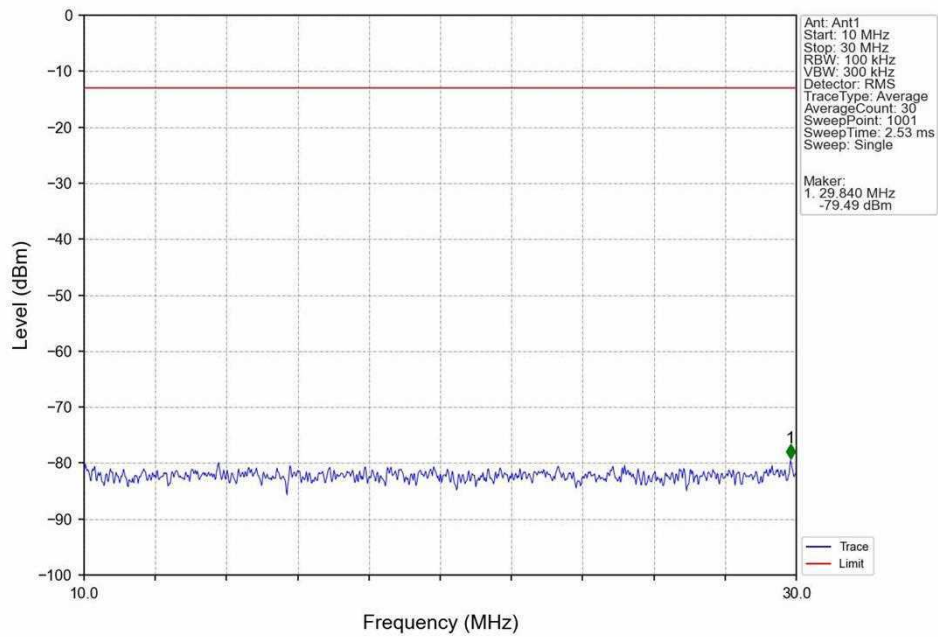
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



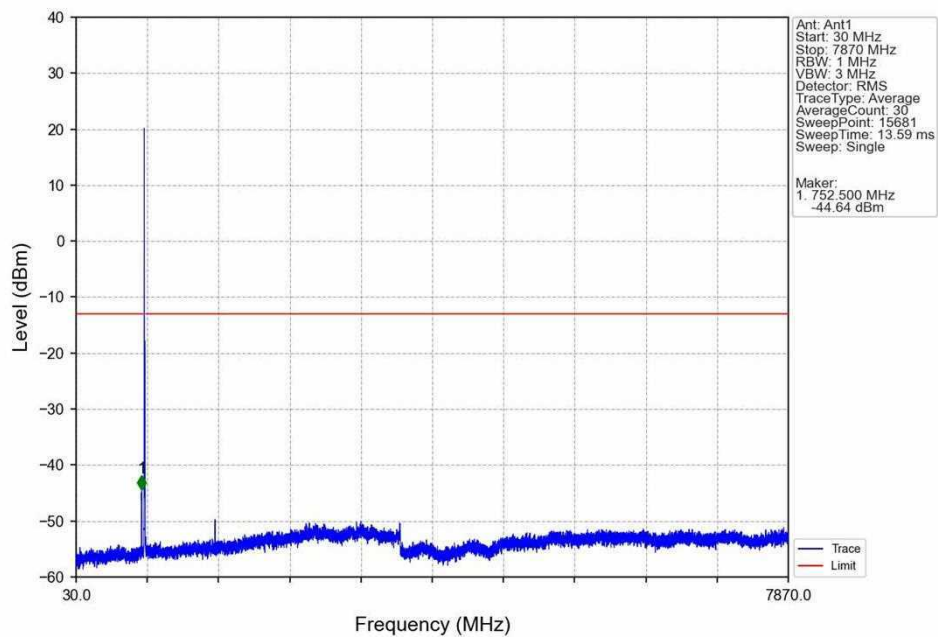
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



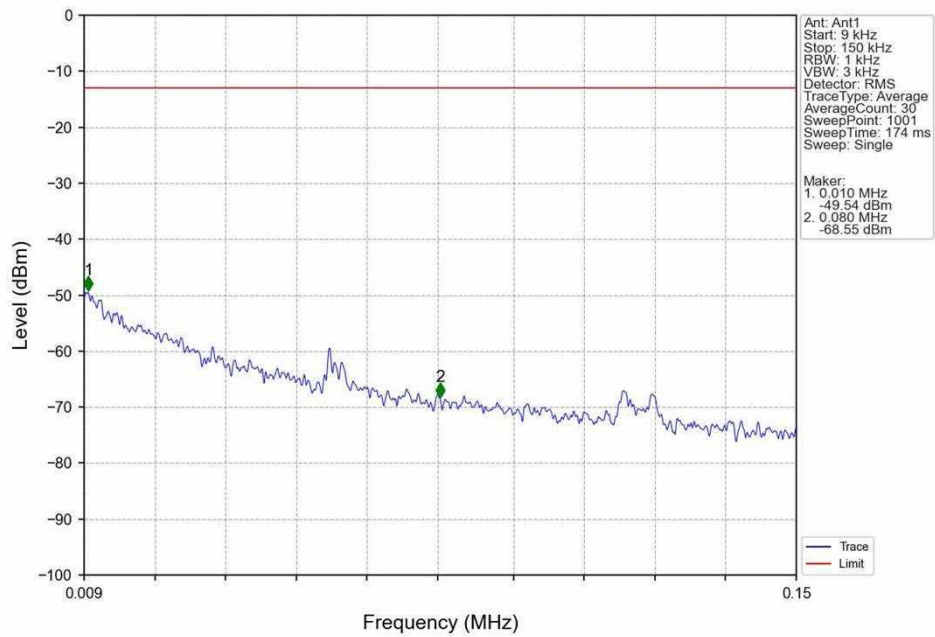
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



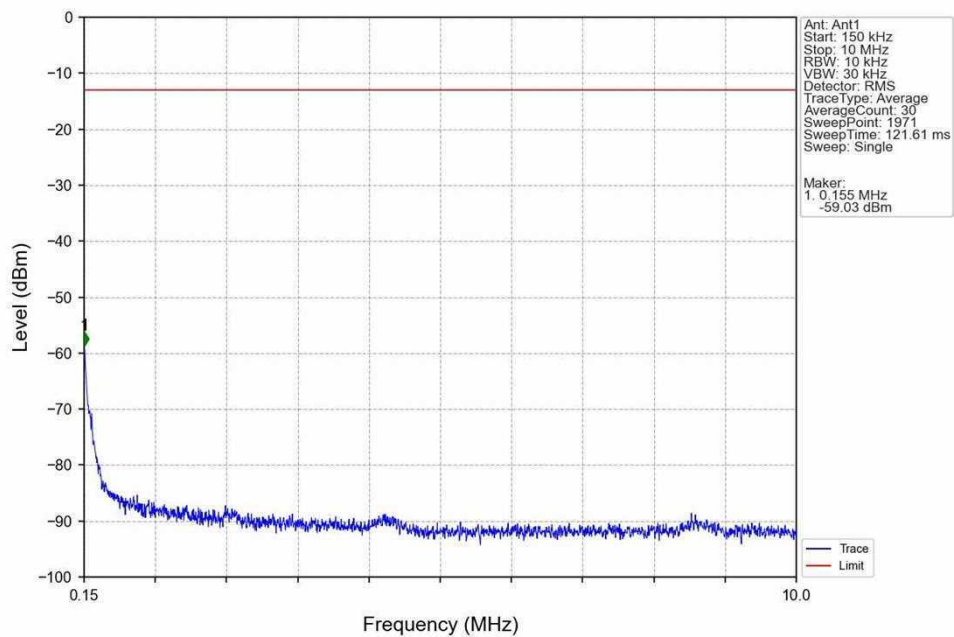
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



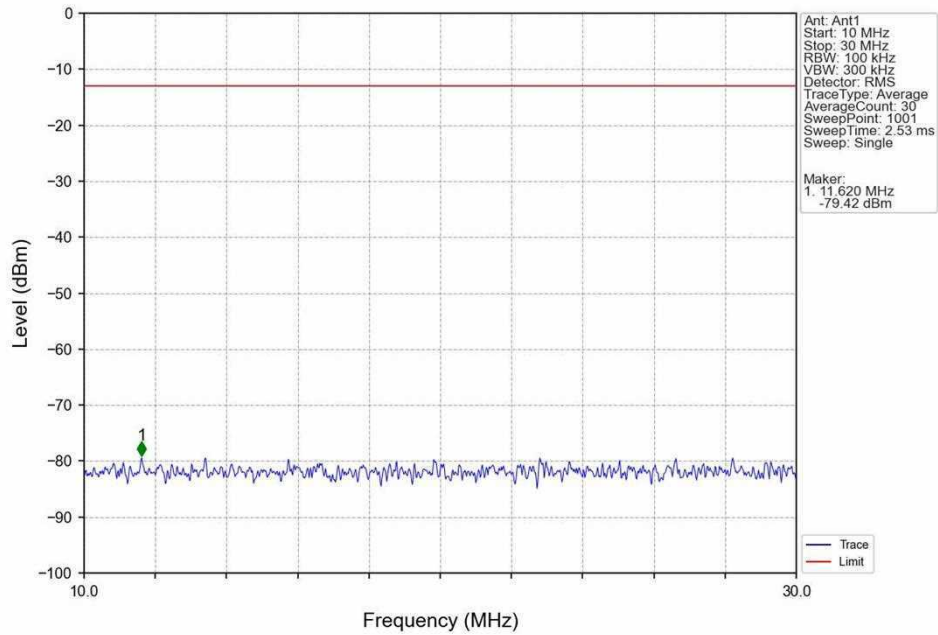
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



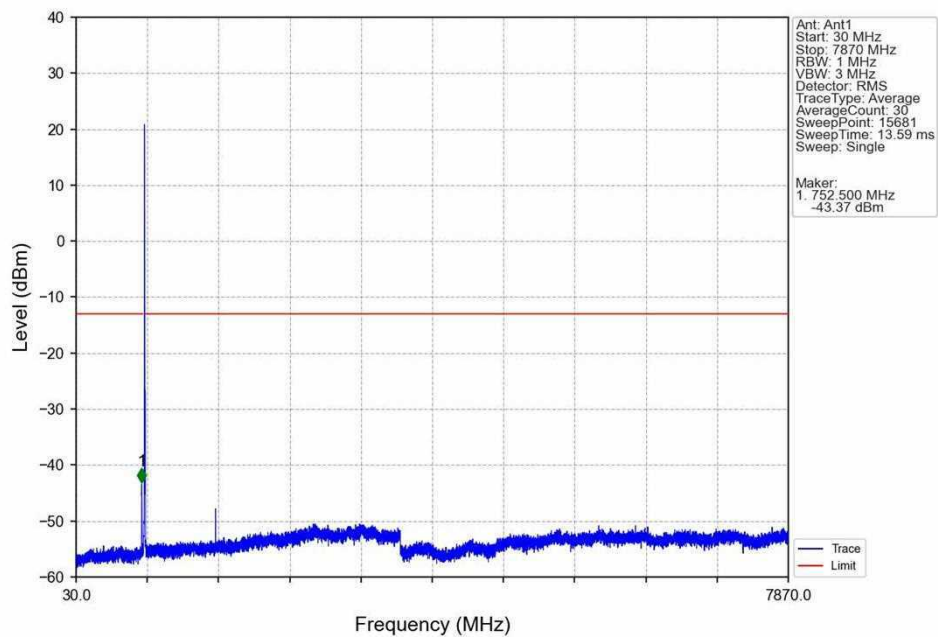
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



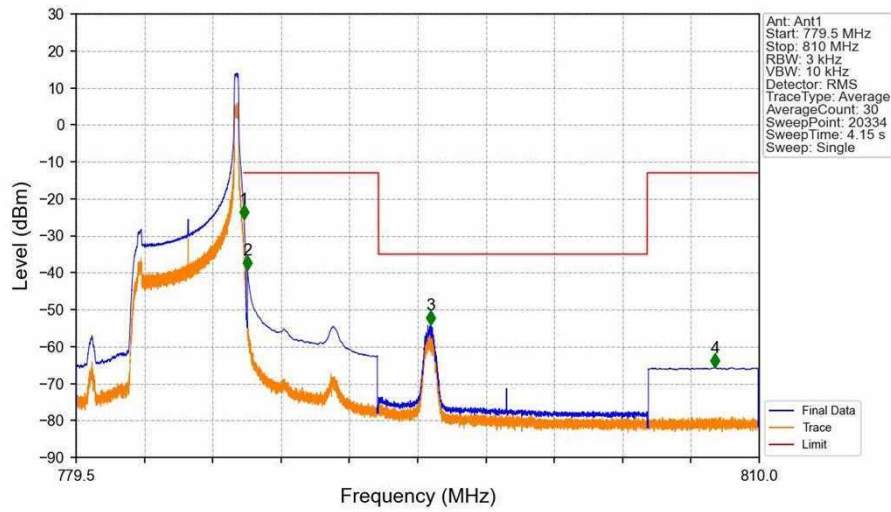
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



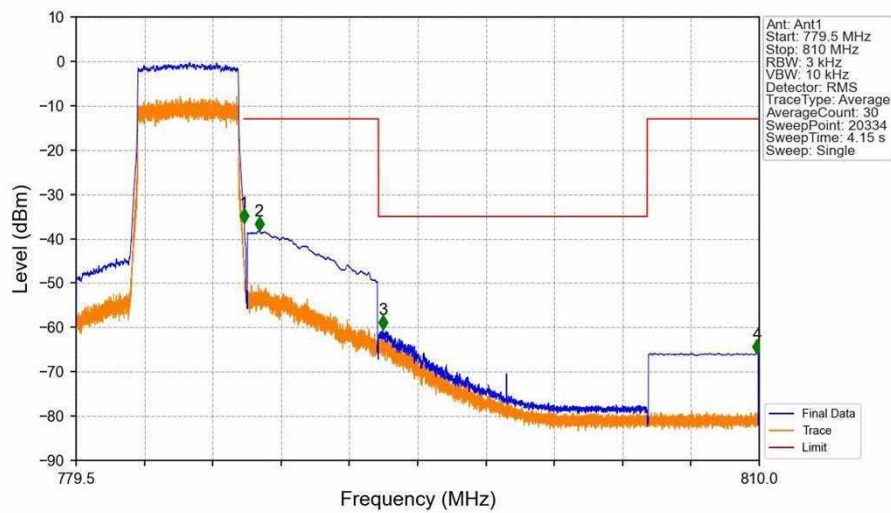
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



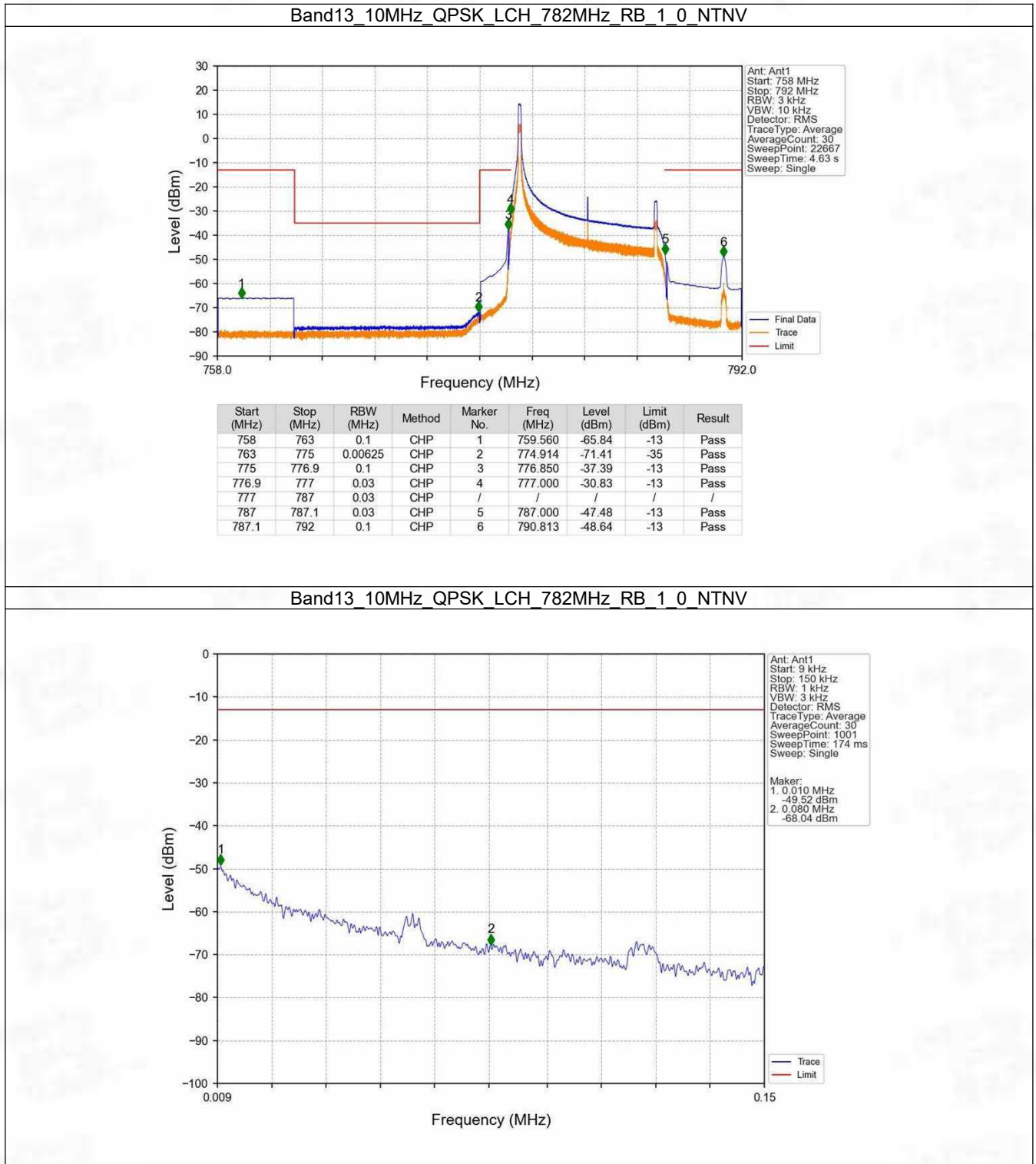
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



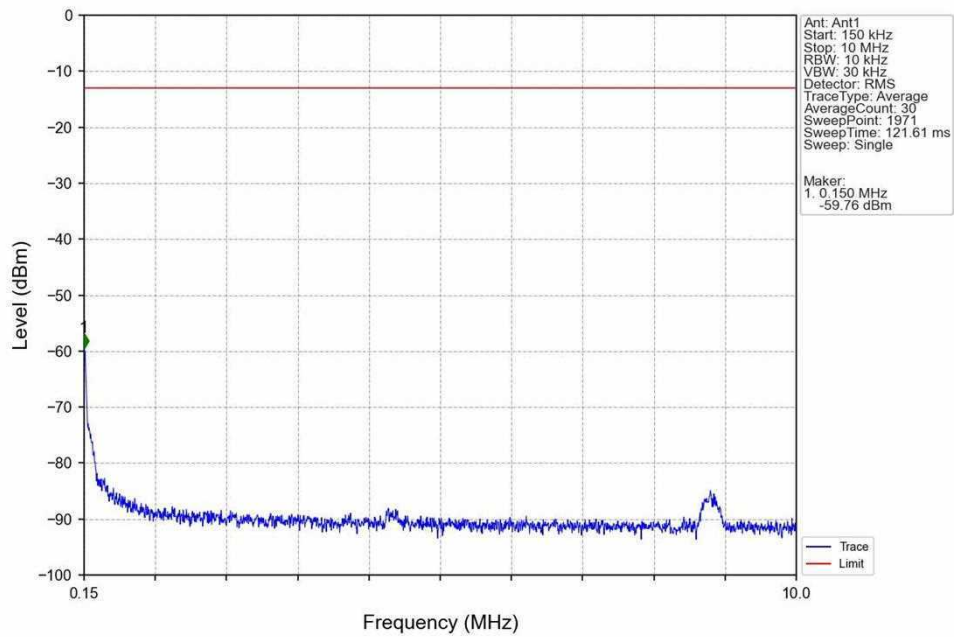
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



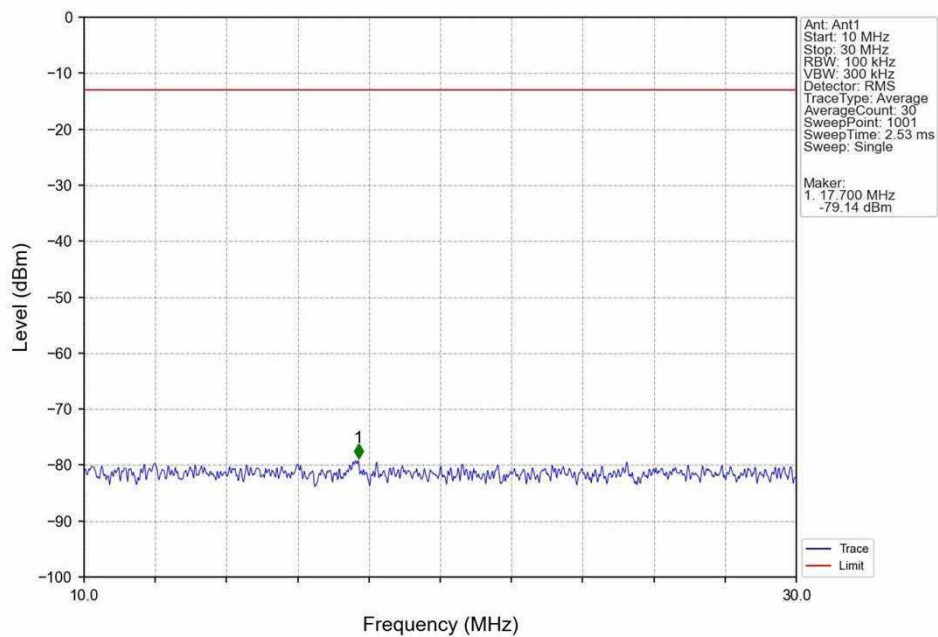
6.2.2 B13_10MHz



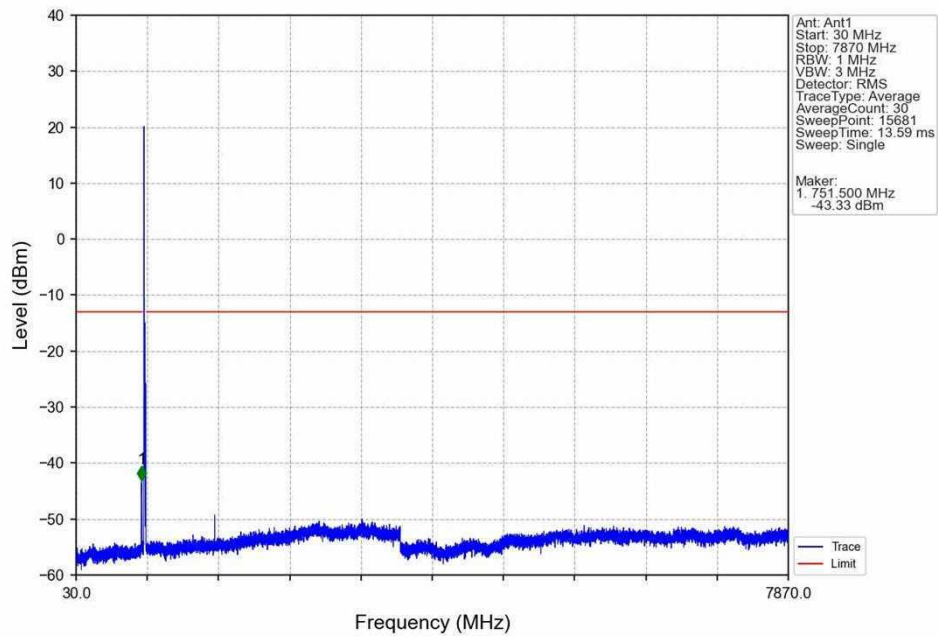
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



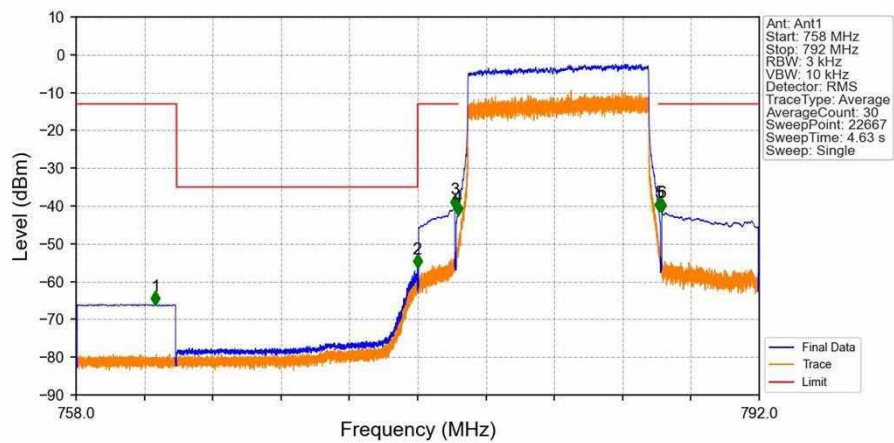
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

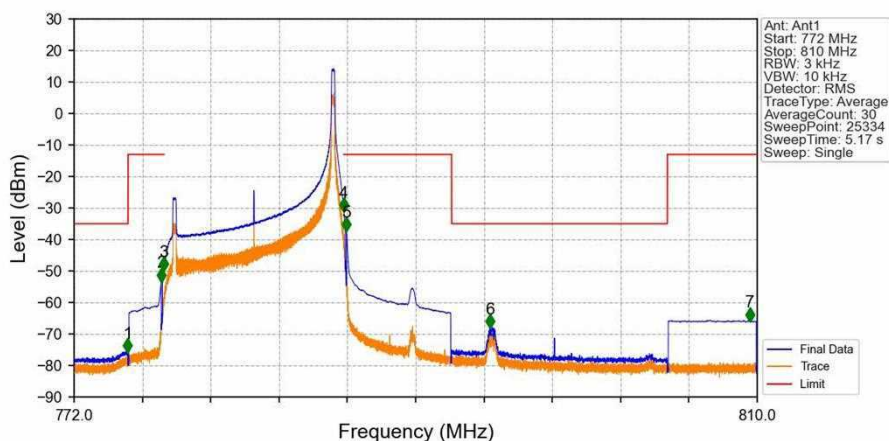


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



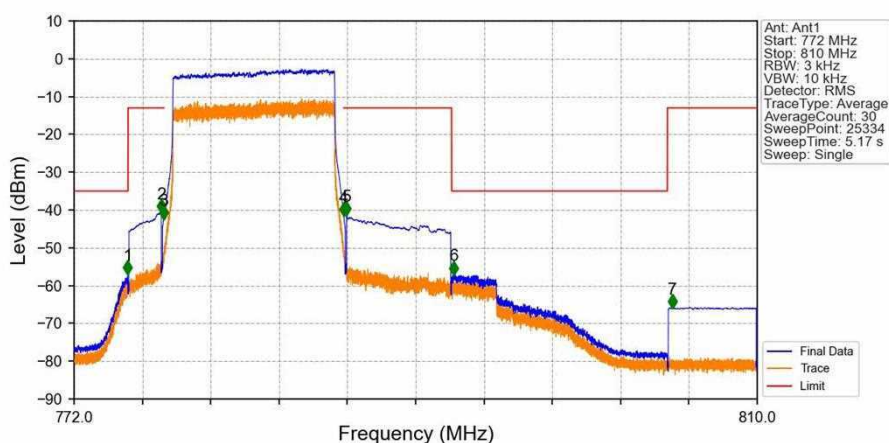
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.951	-66.03	-13	Pass
763	775	0.00625	CHP	2	774.986	-56.12	-35	Pass
775	776.9	0.1	CHP	3	776.850	-40.47	-13	Pass
776.9	777	0.03	CHP	4	776.997	-42.20	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-41.22	-13	Pass
787.1	792	0.1	CHP	6	787.150	-41.29	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_1_49_NTNV



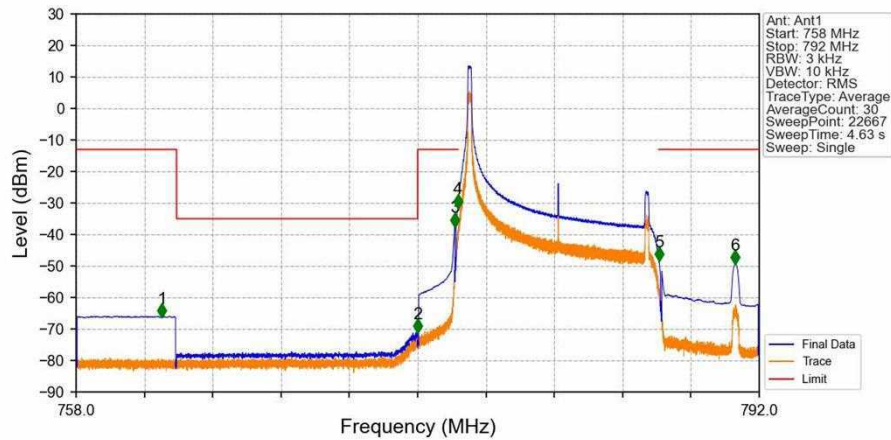
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.982	-75.51	-35	Pass
775	776.9	0.1	CHP	2	776.850	-53.07	-13	Pass
776.9	777	0.03	CHP	3	777.000	-49.66	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-30.83	-13	Pass
787.1	793	0.1	CHP	5	787.150	-37.14	-13	Pass
793	805	0.00625	CHP	6	795.130	-67.85	-35	Pass
805	810	0.1	CHP	7	809.601	-65.65	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_50_0_NTNV



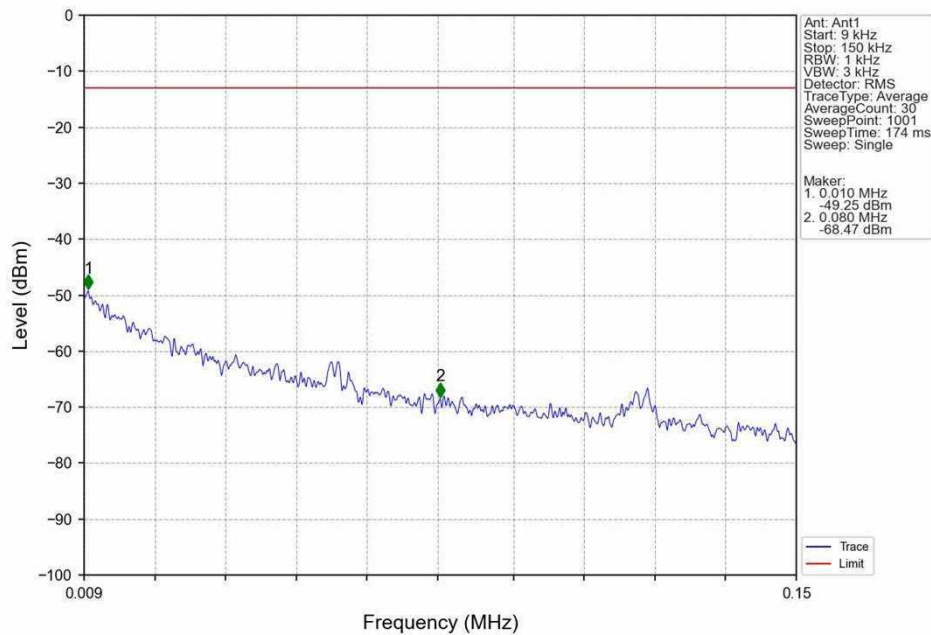
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.987	-56.73	-35	Pass
775	776.9	0.1	CHP	2	776.850	-40.57	-13	Pass
776.9	777	0.03	CHP	3	776.992	-42.28	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-41.46	-13	Pass
787.1	793	0.1	CHP	5	787.150	-41.17	-13	Pass
793	805	0.00625	CHP	6	793.111	-56.88	-35	Pass
805	810	0.1	CHP	7	805.290	-65.81	-13	Pass

Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

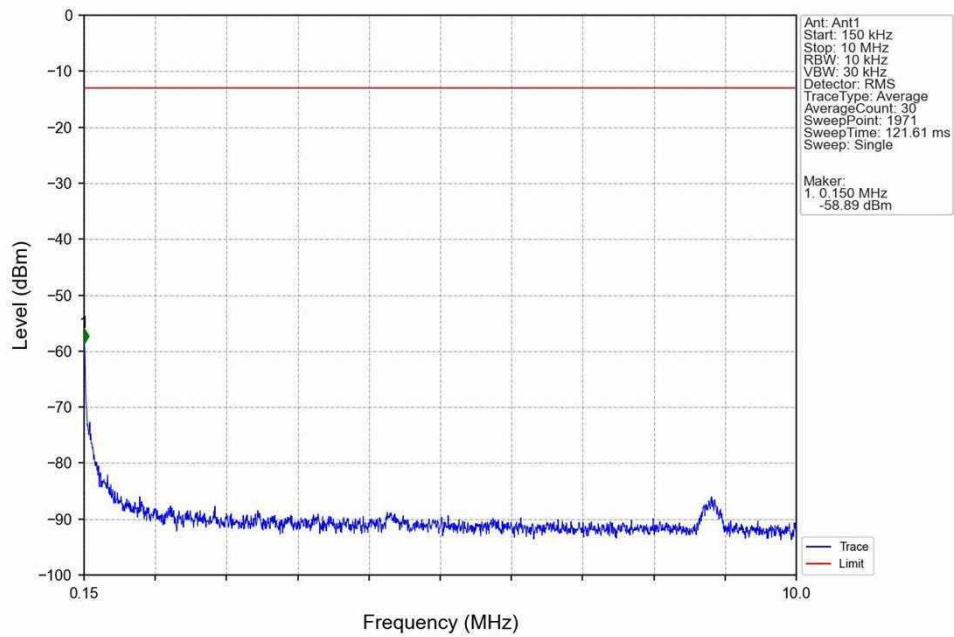


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.274	-65.95	-13	Pass
763	775	0.00625	CHP	2	774.991	-70.93	-35	Pass
775	776.9	0.1	CHP	3	776.850	-37.21	-13	Pass
776.9	777	0.03	CHP	4	777.000	-31.26	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-48.15	-13	Pass
787.1	792	0.1	CHP	6	790.810	-49.19	-13	Pass

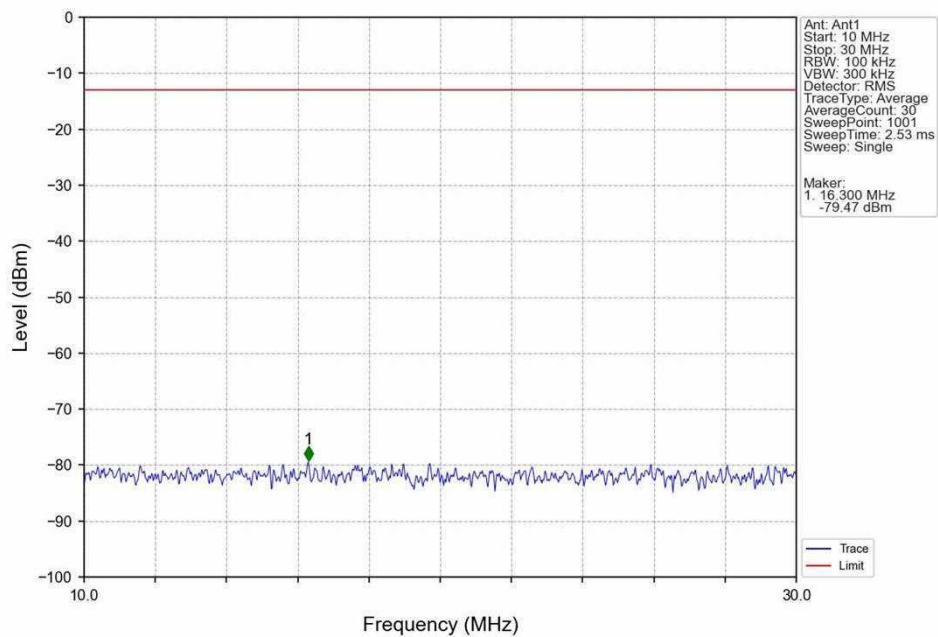
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



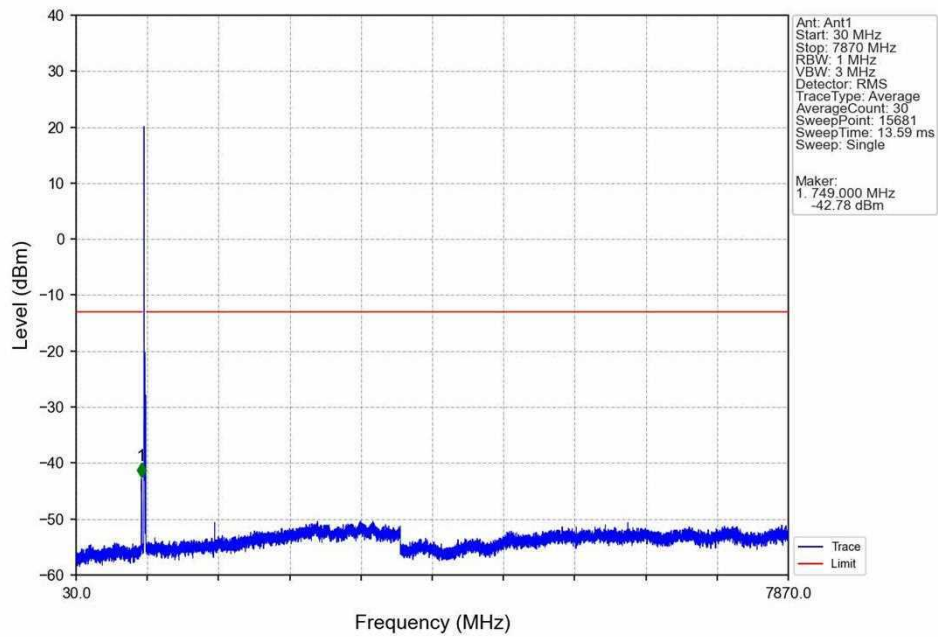
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



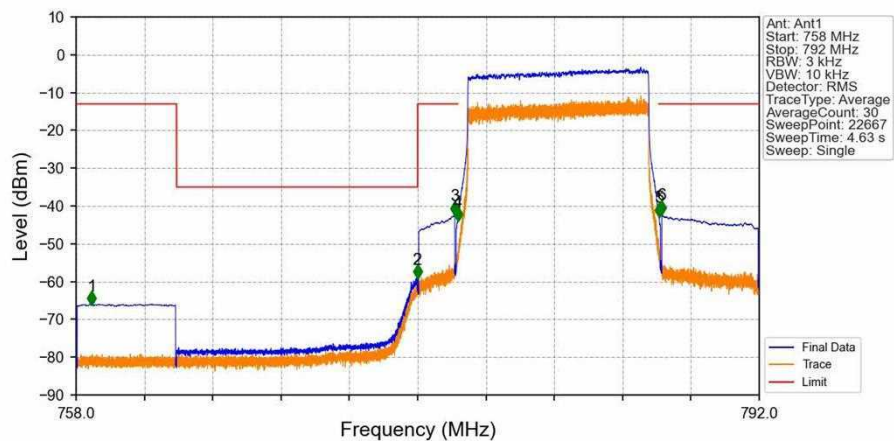
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

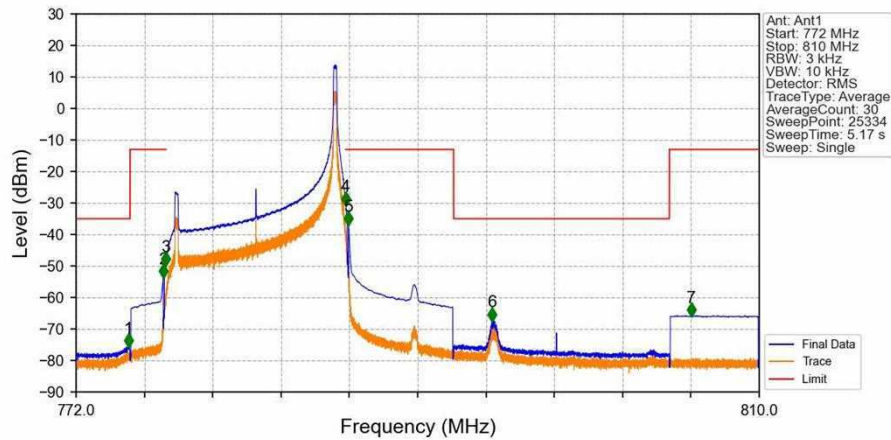


Band13_10MHz_16QAM_LCH_782MHz_RB_50_0_NTNV



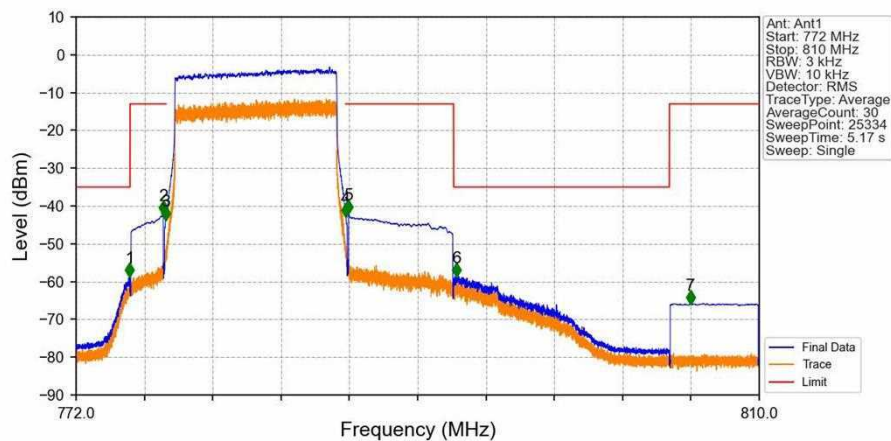
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.783	-65.94	-13	Pass
763	775	0.00625	CHP	2	774.986	-58.87	-35	Pass
775	776.9	0.1	CHP	3	776.850	-42.13	-13	Pass
776.9	777	0.03	CHP	4	776.998	-43.78	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-42.56	-13	Pass
787.1	792	0.1	CHP	6	787.150	-41.96	-13	Pass

Band13_10MHz_16QAM_HCH_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	CHP	1	774.907	-75.44	-35	Pass
775	776.9	0.1	CHP	2	776.850	-53.42	-13	Pass
776.9	777	0.03	CHP	3	777.000	-49.67	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-30.55	-13	Pass
787.1	793	0.1	CHP	5	787.150	-36.75	-13	Pass
793	805	0.00625	CHP	6	795.132	-67.16	-35	Pass
805	810	0.1	CHP	7	806.229	-65.79	-13	Pass

Band13_10MHz_16QAM_HCH_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	CHP	1	774.984	-58.52	-35	Pass
775	776.9	0.1	CHP	2	776.850	-42.06	-13	Pass
776.9	777	0.03	CHP	3	776.998	-43.60	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.005	-42.65	-13	Pass
787.1	793	0.1	CHP	5	787.150	-41.83	-13	Pass
793	805	0.00625	CHP	6	793.149	-58.43	-35	Pass
805	810	0.1	CHP	7	806.176	-65.76	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

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	0.1021	0.0655	ppm	4M57G7D	27F	20.09
13	5	779.5	784.5	0.0927	0.0682	ppm	4M58W7D	27F	19.67
13	10	782	782	0.1469	0.0633	ppm	9M06G7D	27F	21.67
13	10	782	782	0.1426	0.0682	ppm	9M04W7D	27F	21.54

7.1.2 Form731_ERP

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	0.0713	0.0655	ppm	4M57G7D	27F	18.53
13	5	779.5	784.5	0.0647	0.0682	ppm	4M58W7D	27F	18.11
13	10	782	782	0.1026	0.0633	ppm	9M06G7D	27F	20.11
13	10	782	782	0.0995	0.0682	ppm	9M04W7D	27F	19.98