

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 / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	779.5	1	0	20.94	-1.52	17.27	<=34.77	Pass
			13	21.04	-1.52	17.37	<=34.77	Pass
			24	20.94	-1.52	17.27	<=34.77	Pass
		12	0	20.99	-1.52	17.32	<=34.77	Pass
			6	20.98	-1.52	17.31	<=34.77	Pass
			13	20.96	-1.52	17.29	<=34.77	Pass
		25	0	20.96	-1.52	17.29	<=34.77	Pass
	782	1	0	20.96	-1.52	17.29	<=34.77	Pass
			13	20.96	-1.52	17.29	<=34.77	Pass
			24	20.97	-1.52	17.30	<=34.77	Pass
		12	0	20.98	-1.52	17.31	<=34.77	Pass
			6	20.98	-1.52	17.31	<=34.77	Pass
			13	20.99	-1.52	17.32	<=34.77	Pass
		25	0	21.00	-1.52	17.33	<=34.77	Pass
	784.5	1	0	21.04	-1.52	17.37	<=34.77	Pass
			13	21.09	-1.52	17.42	<=34.77	Pass
			24	21.03	-1.52	17.36	<=34.77	Pass
		12	0	21.10	-1.52	17.43	<=34.77	Pass
			6	21.04	-1.52	17.37	<=34.77	Pass
			13	21.06	-1.52	17.39	<=34.77	Pass
		25	0	21.06	-1.52	17.39	<=34.77	Pass
16QAM	779.5	1	0	20.95	-1.52	17.28	<=34.77	Pass
			13	20.97	-1.52	17.30	<=34.77	Pass
			24	21.00	-1.52	17.33	<=34.77	Pass
		12	0	20.97	-1.52	17.30	<=34.77	Pass
			6	21.06	-1.52	17.39	<=34.77	Pass
			13	21.04	-1.52	17.37	<=34.77	Pass
		25	0	21.03	-1.52	17.36	<=34.77	Pass
	782	1	0	21.00	-1.52	17.33	<=34.77	Pass
			13	21.01	-1.52	17.34	<=34.77	Pass
			24	21.01	-1.52	17.34	<=34.77	Pass
		12	0	21.02	-1.52	17.35	<=34.77	Pass
			6	21.03	-1.52	17.36	<=34.77	Pass
			13	21.03	-1.52	17.36	<=34.77	Pass
		25	0	21.03	-1.52	17.36	<=34.77	Pass
	784.5	1	0	21.12	-1.52	17.45	<=34.77	Pass
			13	21.12	-1.52	17.45	<=34.77	Pass
			24	21.13	-1.52	17.46	<=34.77	Pass
		12	0	21.07	-1.52	17.40	<=34.77	Pass
			6	21.06	-1.52	17.39	<=34.77	Pass
			13	21.07	-1.52	17.40	<=34.77	Pass
		25	0	21.03	-1.52	17.36	<=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	21.82	-1.52	18.15	<=34.77	Pass
			25	21.80	-1.52	18.13	<=34.77	Pass
			49	21.85	-1.52	18.18	<=34.77	Pass
		25	0	21.01	-1.52	17.34	<=34.77	Pass
			13	20.93	-1.52	17.26	<=34.77	Pass
			25	21.11	-1.52	17.44	<=34.77	Pass
		50	0	20.98	-1.52	17.31	<=34.77	Pass
			0	21.50	-1.52	17.83	<=34.77	Pass
			25	21.55	-1.52	17.88	<=34.77	Pass
16QAM	782	1	49	21.61	-1.52	17.94	<=34.77	Pass
		25	0	20.31	-1.52	16.64	<=34.77	Pass
			13	19.88	-1.52	16.21	<=34.77	Pass
			25	20.34	-1.52	16.67	<=34.77	Pass
		50	0	19.89	-1.52	16.22	<=34.77	Pass
			0	21.50	-1.52	17.83	<=34.77	Pass
			25	21.55	-1.52	17.88	<=34.77	Pass
			49	21.61	-1.52	17.94	<=34.77	Pass
			0	20.31	-1.52	16.64	<=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	5.736	0.0074	-2.5 to 2.5	Pass	
					3.85	-4.721	-0.0061	-2.5 to 2.5	Pass	
					4.43	-18.597	-0.0239	-2.5 to 2.5	Pass	
				-30	3.85	-26.836	-0.0344	-2.5 to 2.5	Pass	
				-20	3.85	-32.601	-0.0418	-2.5 to 2.5	Pass	
				-10	3.85	-40.183	-0.0515	-2.5 to 2.5	Pass	
				0	3.85	-44.174	-0.0567	-2.5 to 2.5	Pass	
				10	3.85	-47.622	-0.0611	-2.5 to 2.5	Pass	
				30	3.85	-51.069	-0.0655	-2.5 to 2.5	Pass	
				40	3.85	-51.713	-0.0663	-2.5 to 2.5	Pass	
				50	3.85	-47.250	-0.0606	-2.5 to 2.5	Pass	
				782	25	0	20	3.27	-2.232	-0.0029
	3.85	-13.189	-0.0169					-2.5 to 2.5	Pass	
	4.43	-20.785	-0.0266					-2.5 to 2.5	Pass	
	-30	3.85	-23.961				-0.0306	-2.5 to 2.5	Pass	
	-20	3.85	-27.852				-0.0356	-2.5 to 2.5	Pass	
	-10	3.85	-31.915				-0.0408	-2.5 to 2.5	Pass	
	0	3.85	-32.144				-0.0411	-2.5 to 2.5	Pass	
	10	3.85	-34.246				-0.0438	-2.5 to 2.5	Pass	
	30	3.85	-34.947				-0.0447	-2.5 to 2.5	Pass	
	40	3.85	-36.221				-0.0463	-2.5 to 2.5	Pass	
	50	3.85	-37.608				-0.0481	-2.5 to 2.5	Pass	
	784.5	25	0				20	3.27	-3.147	-0.0040
				3.85	-4.435	-0.0057		-2.5 to 2.5	Pass	
				4.43	-7.725	-0.0098		-2.5 to 2.5	Pass	
				-30	3.85	-7.410	-0.0094	-2.5 to 2.5	Pass	
				-20	3.85	-7.310	-0.0093	-2.5 to 2.5	Pass	
				-10	3.85	-6.852	-0.0087	-2.5 to 2.5	Pass	

16QAM				0	3.85	-7.052	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-8.626	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-5.765	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-5.765	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.580	-0.0084	-2.5 to 2.5	Pass
	779.5	25	0	20	3.27	2.832	0.0036	-2.5 to 2.5	Pass
					3.85	1.917	0.0025	-2.5 to 2.5	Pass
					4.43	4.692	0.0060	-2.5 to 2.5	Pass
				-30	3.85	4.406	0.0057	-2.5 to 2.5	Pass
				-20	3.85	5.178	0.0066	-2.5 to 2.5	Pass
				-10	3.85	6.051	0.0078	-2.5 to 2.5	Pass
				0	3.85	5.908	0.0076	-2.5 to 2.5	Pass
				10	3.85	7.396	0.0095	-2.5 to 2.5	Pass
				30	3.85	7.682	0.0099	-2.5 to 2.5	Pass
				40	3.85	-13.032	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-29.755	-0.0382	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-37.422	-0.0479	-2.5 to 2.5	Pass
					3.85	-36.964	-0.0473	-2.5 to 2.5	Pass
					4.43	-36.621	-0.0468	-2.5 to 2.5	Pass
				-30	3.85	-39.268	-0.0502	-2.5 to 2.5	Pass
				-20	3.85	-39.811	-0.0509	-2.5 to 2.5	Pass
				-10	3.85	-37.894	-0.0485	-2.5 to 2.5	Pass
				0	3.85	-38.610	-0.0494	-2.5 to 2.5	Pass
				10	3.85	-38.338	-0.0490	-2.5 to 2.5	Pass
				30	3.85	-35.677	-0.0456	-2.5 to 2.5	Pass
				40	3.85	-35.219	-0.0450	-2.5 to 2.5	Pass
				50	3.85	-34.833	-0.0445	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-3.834	-0.0049	-2.5 to 2.5	Pass
					3.85	-7.195	-0.0092	-2.5 to 2.5	Pass
					4.43	-7.496	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-7.110	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.738	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-8.397	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-7.768	-0.0099	-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	-43.316	-0.0554	-2.5 to 2.5	Pass
					3.85	-40.126	-0.0513	-2.5 to 2.5	Pass
					4.43	-19.984	-0.0256	-2.5 to 2.5	Pass
				-30	3.85	-31.400	-0.0402	-2.5 to 2.5	Pass
				-20	3.85	-32.172	-0.0411	-2.5 to 2.5	Pass
				-10	3.85	-18.225	-0.0233	-2.5 to 2.5	Pass
				0	3.85	-43.859	-0.0561	-2.5 to 2.5	Pass
				10	3.85	-12.217	-0.0156	-2.5 to 2.5	Pass
				30	3.85	-30.541	-0.0391	-2.5 to 2.5	Pass
				40	3.85	-44.746	-0.0572	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.85	-7.052	-0.0090	-2.5 to 2.5	Pass
					3.27	-17.481	-0.0224	-2.5 to 2.5	Pass
					3.85	-20.585	-0.0263	-2.5 to 2.5	Pass
					4.43	-28.782	-0.0368	-2.5 to 2.5	Pass

				-30	3.85	-32.501	-0.0416	-2.5 to 2.5	Pass
				-20	3.85	-35.234	-0.0451	-2.5 to 2.5	Pass
				-10	3.85	-35.505	-0.0454	-2.5 to 2.5	Pass
				0	3.85	-38.996	-0.0499	-2.5 to 2.5	Pass
				10	3.85	-41.628	-0.0532	-2.5 to 2.5	Pass
				30	3.85	-45.276	-0.0579	-2.5 to 2.5	Pass
				40	3.85	-48.223	-0.0617	-2.5 to 2.5	Pass
				50	3.85	-51.613	-0.0660	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

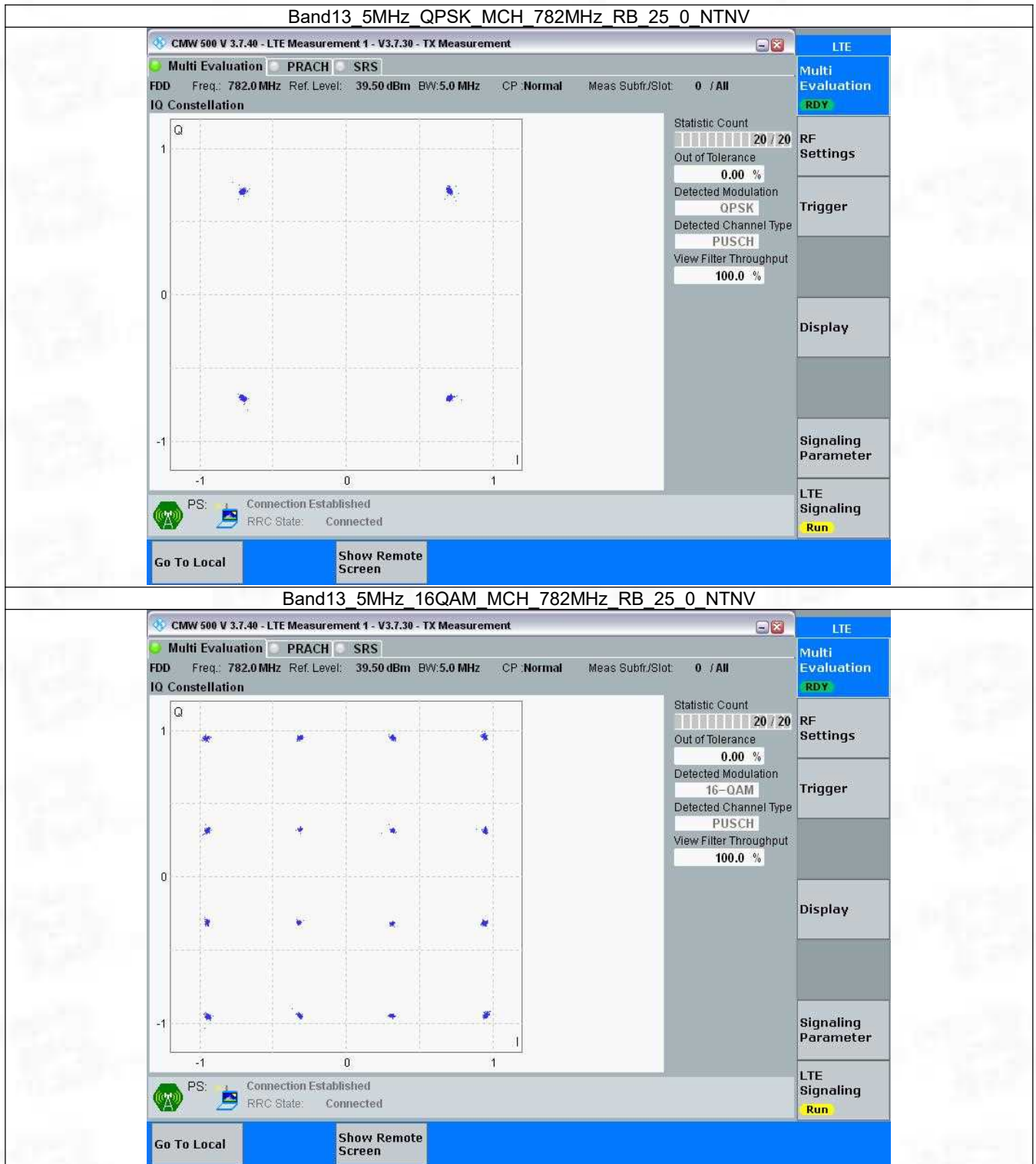
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

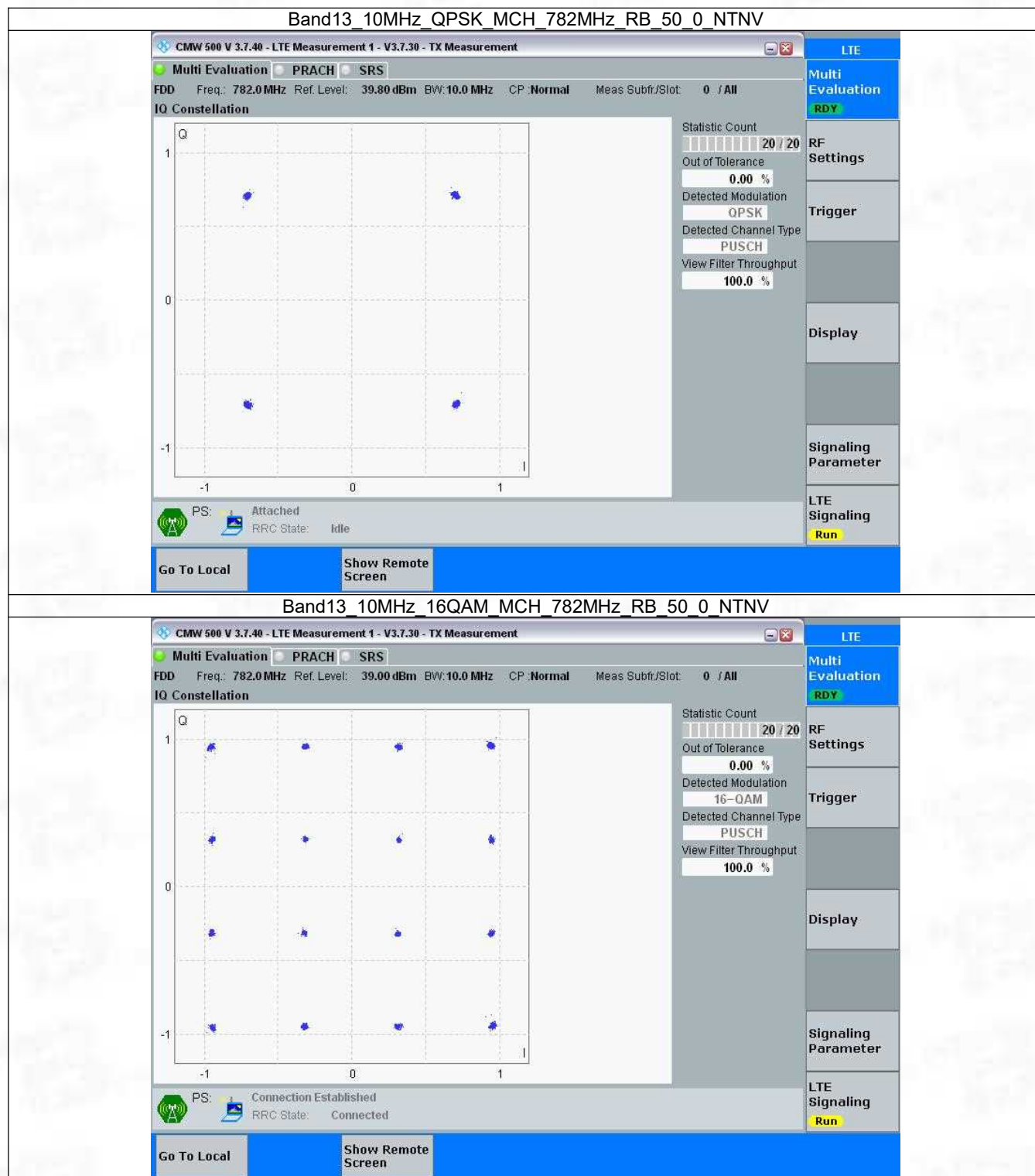
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

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

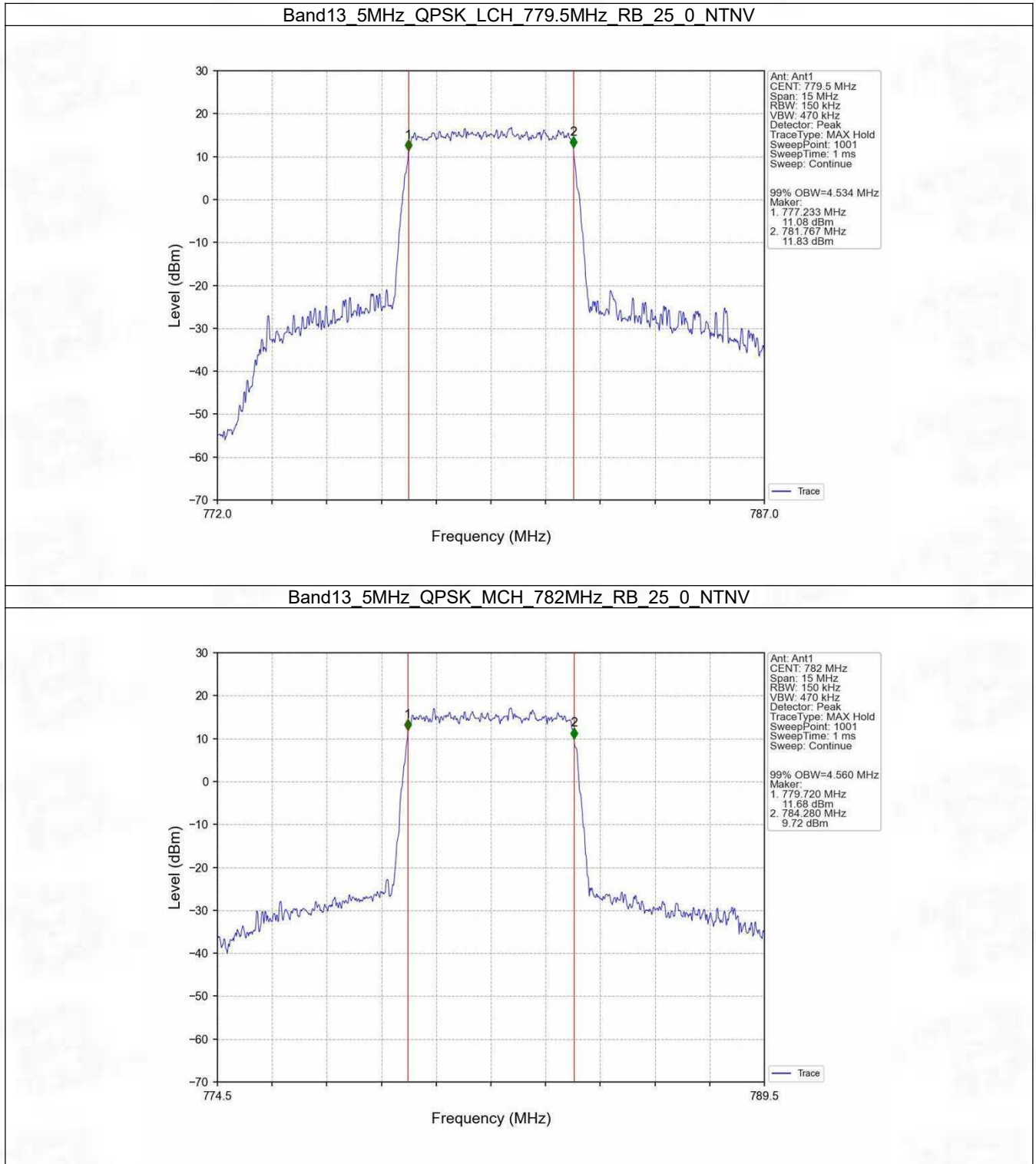
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.534	/	Pass
		782	25	0	4.560	/	Pass
		784.5	25	0	4.539	/	Pass
	16QAM	779.5	25	0	4.562	/	Pass
		782	25	0	4.542	/	Pass
		784.5	25	0	4.564	/	Pass
10	QPSK	782	50	0	9.042	/	Pass
	16QAM	782	50	0	9.044	/	Pass

4.1.2 Band13_XDB

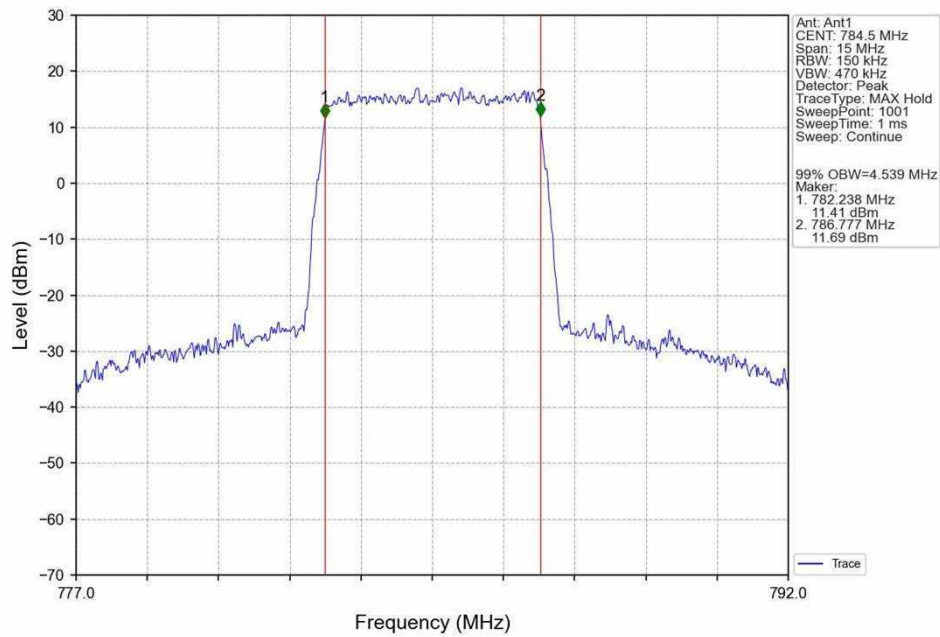
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.060	/	Pass
		782	25	0	5.028	/	Pass
		784.5	25	0	5.075	/	Pass
	16QAM	779.5	25	0	5.062	/	Pass
		782	25	0	5.048	/	Pass
		784.5	25	0	5.045	/	Pass
10	QPSK	782	50	0	10.056	/	Pass
	16QAM	782	50	0	10.023	/	Pass

4.2 Test Graph

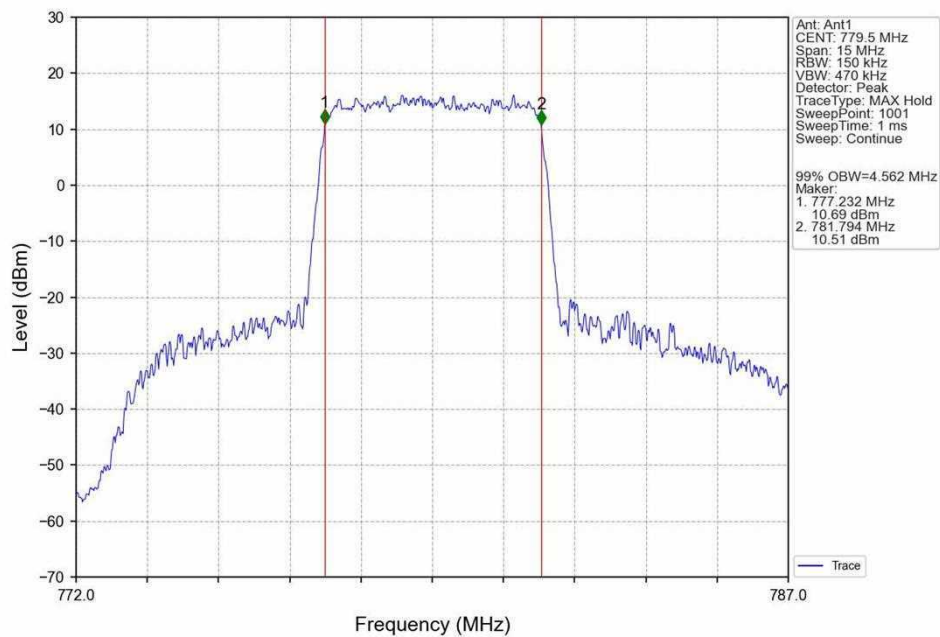
4.2.1 Band13_OBW



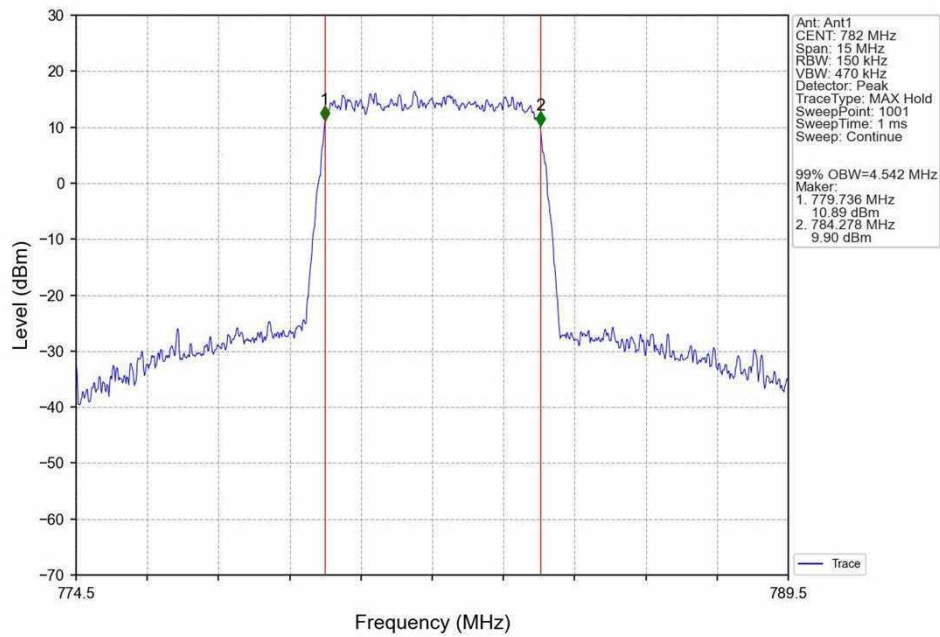
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



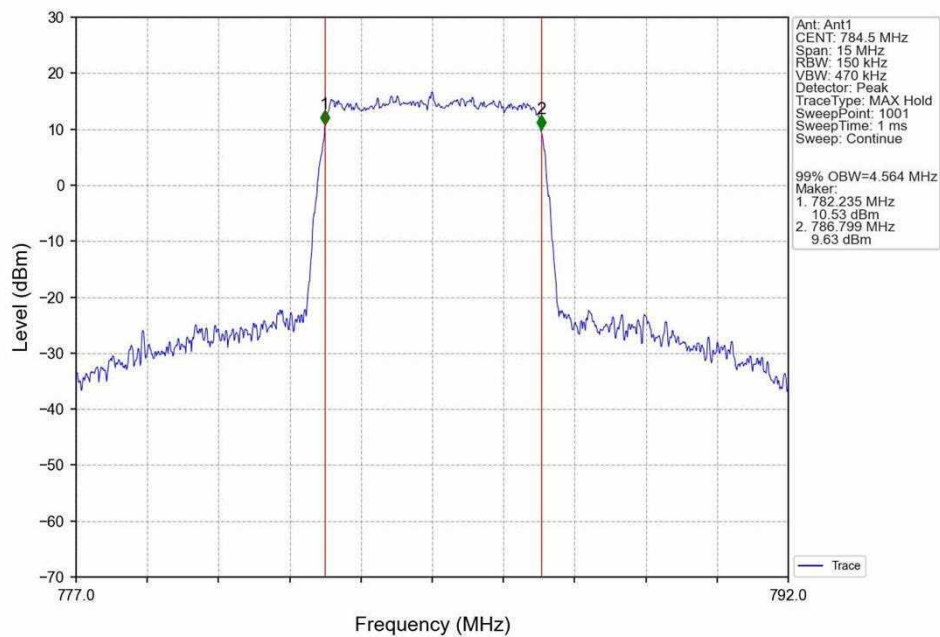
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



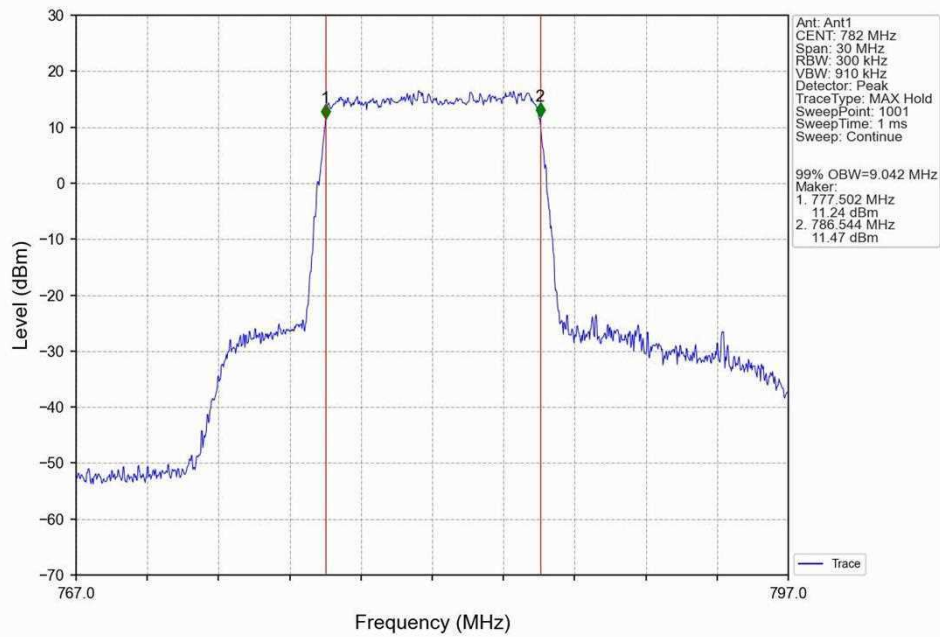
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



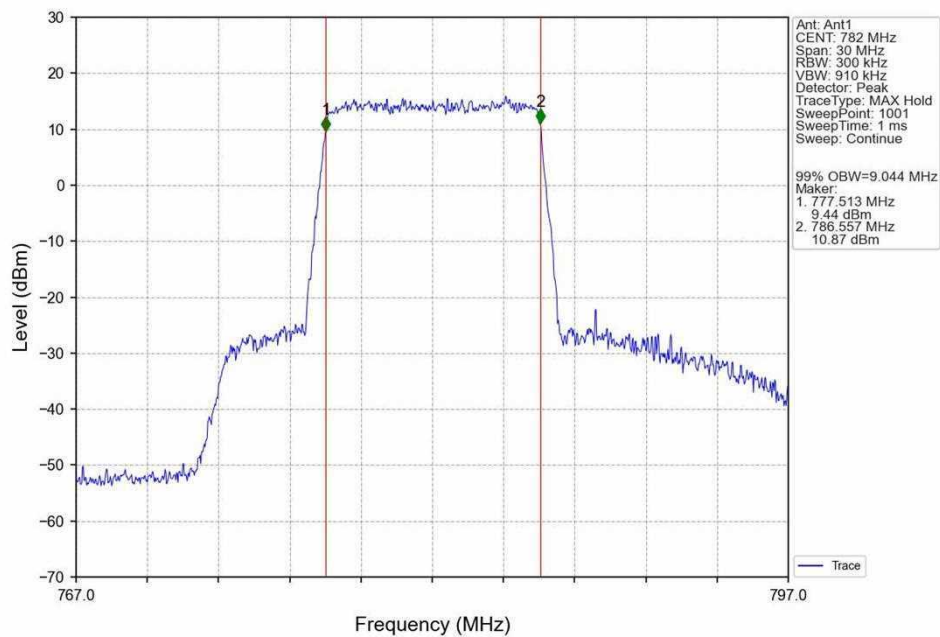
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



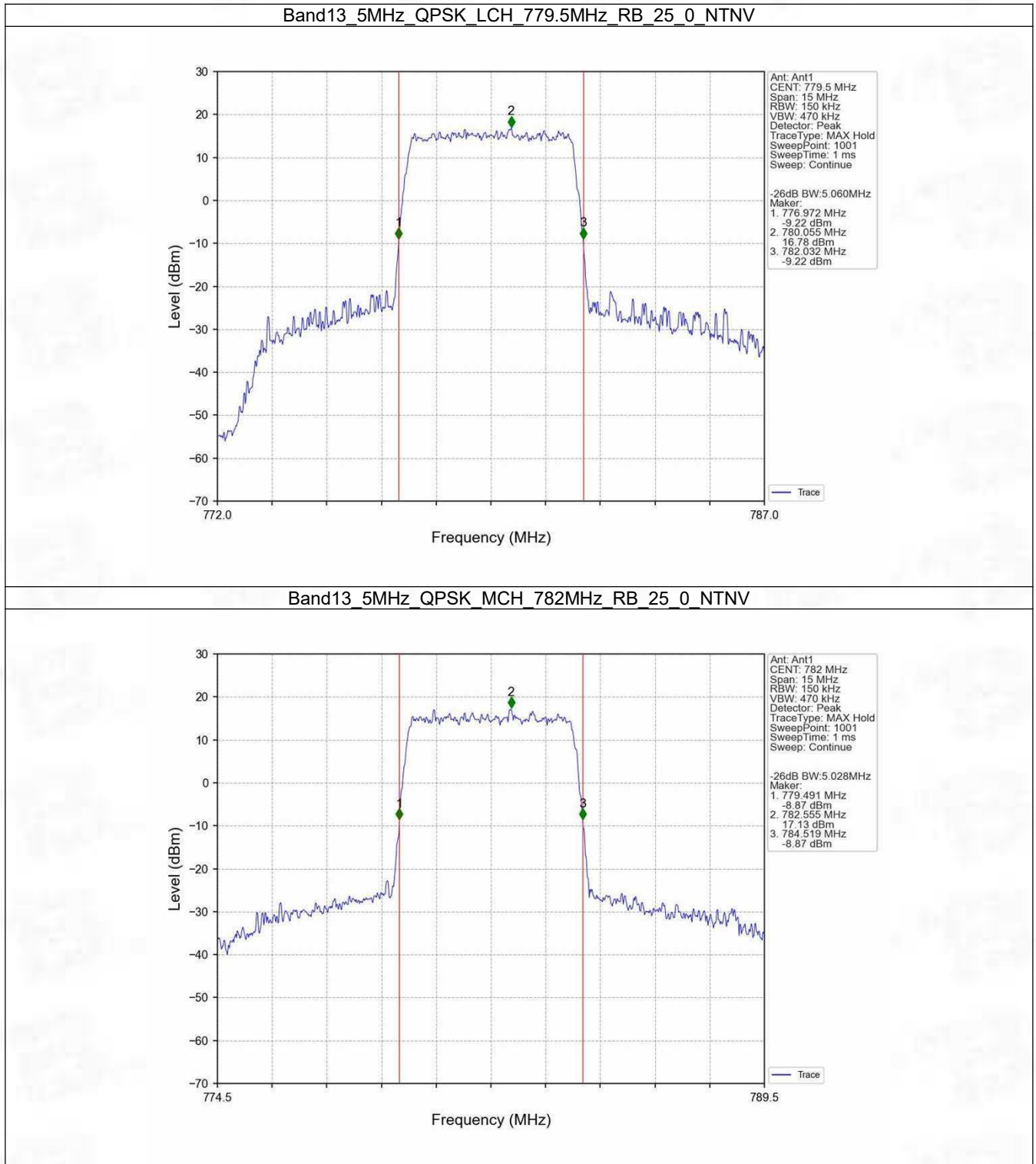
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



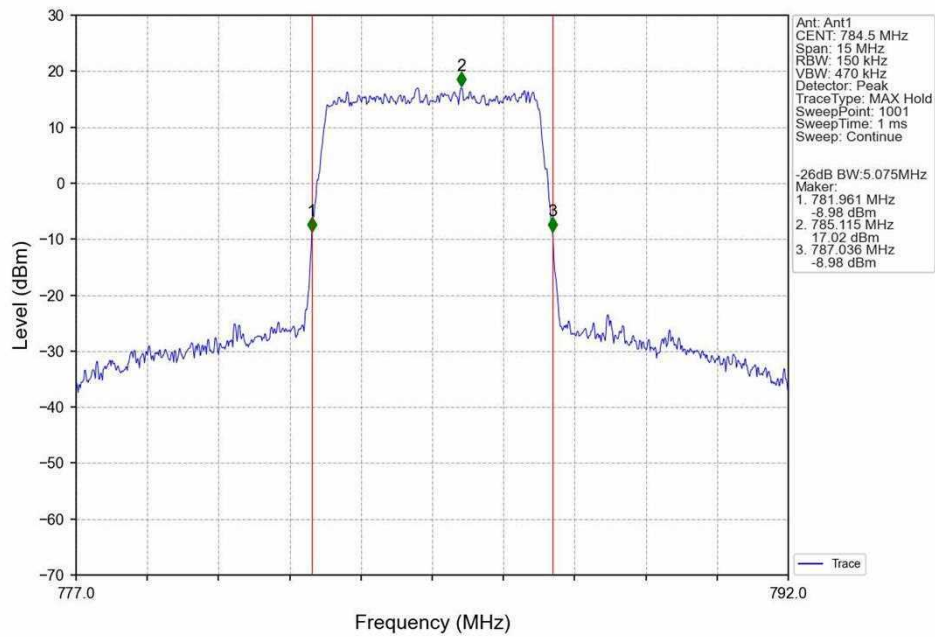
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



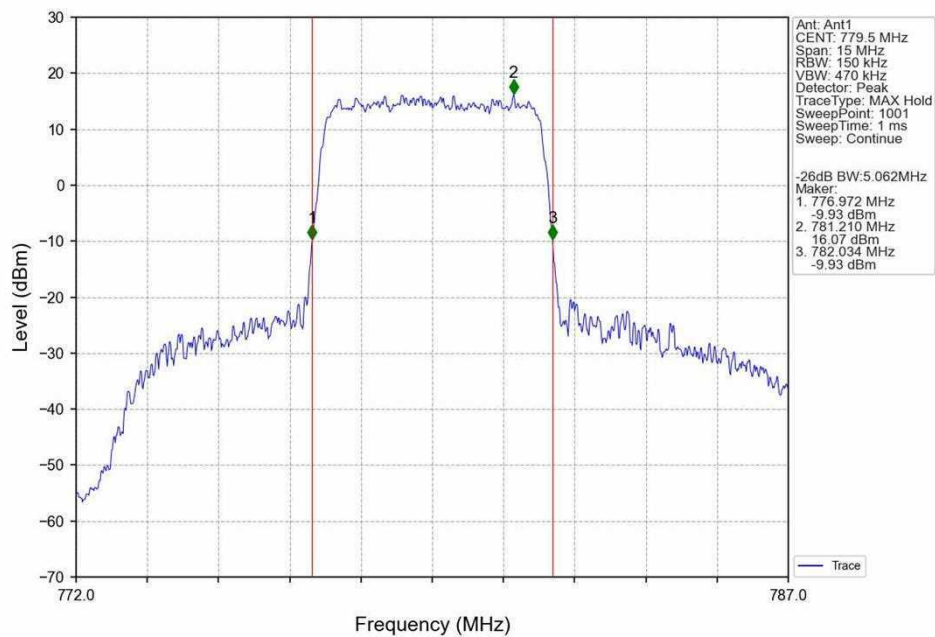
4.2.2 Band13_XDB



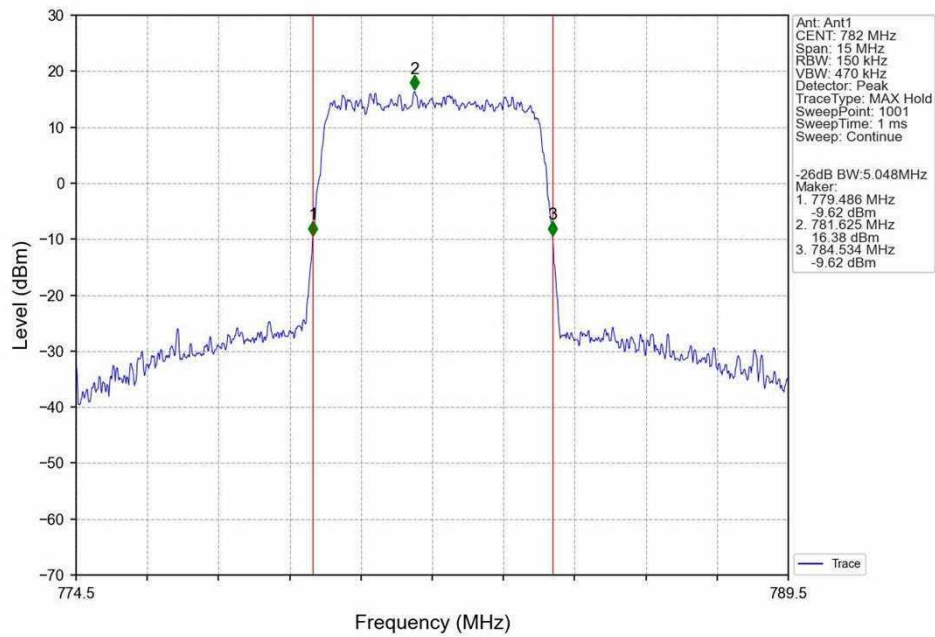
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



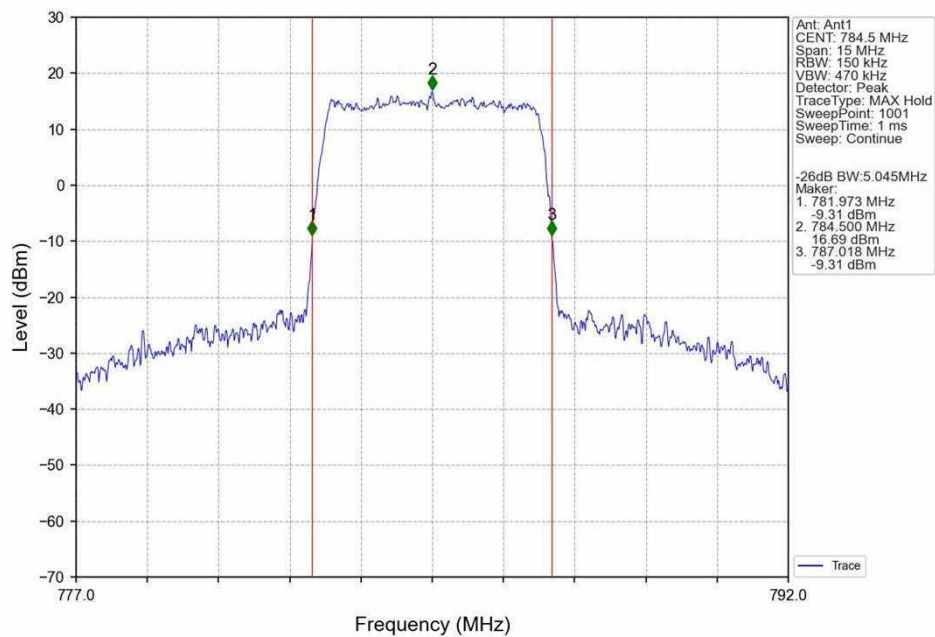
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



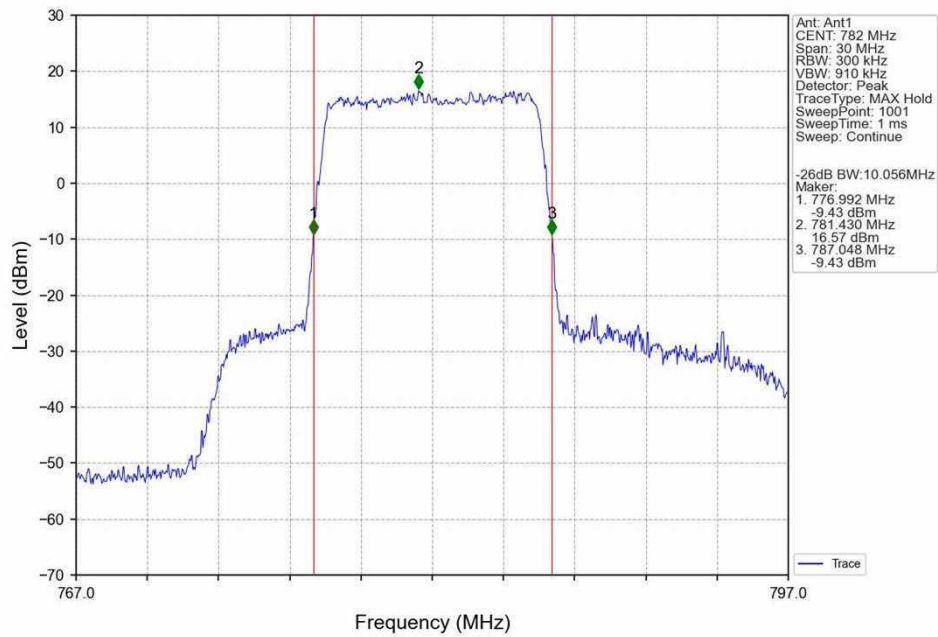
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



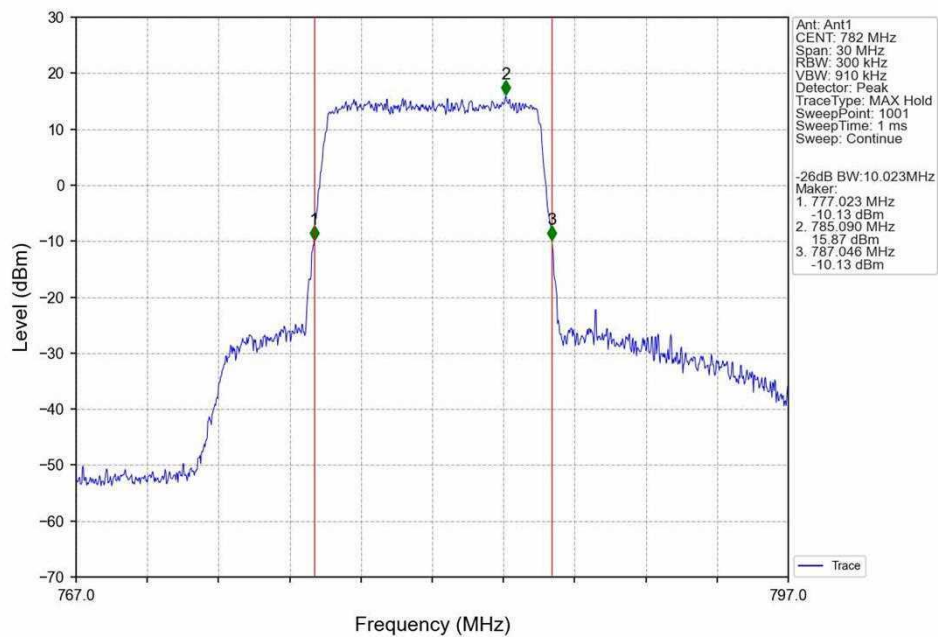
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

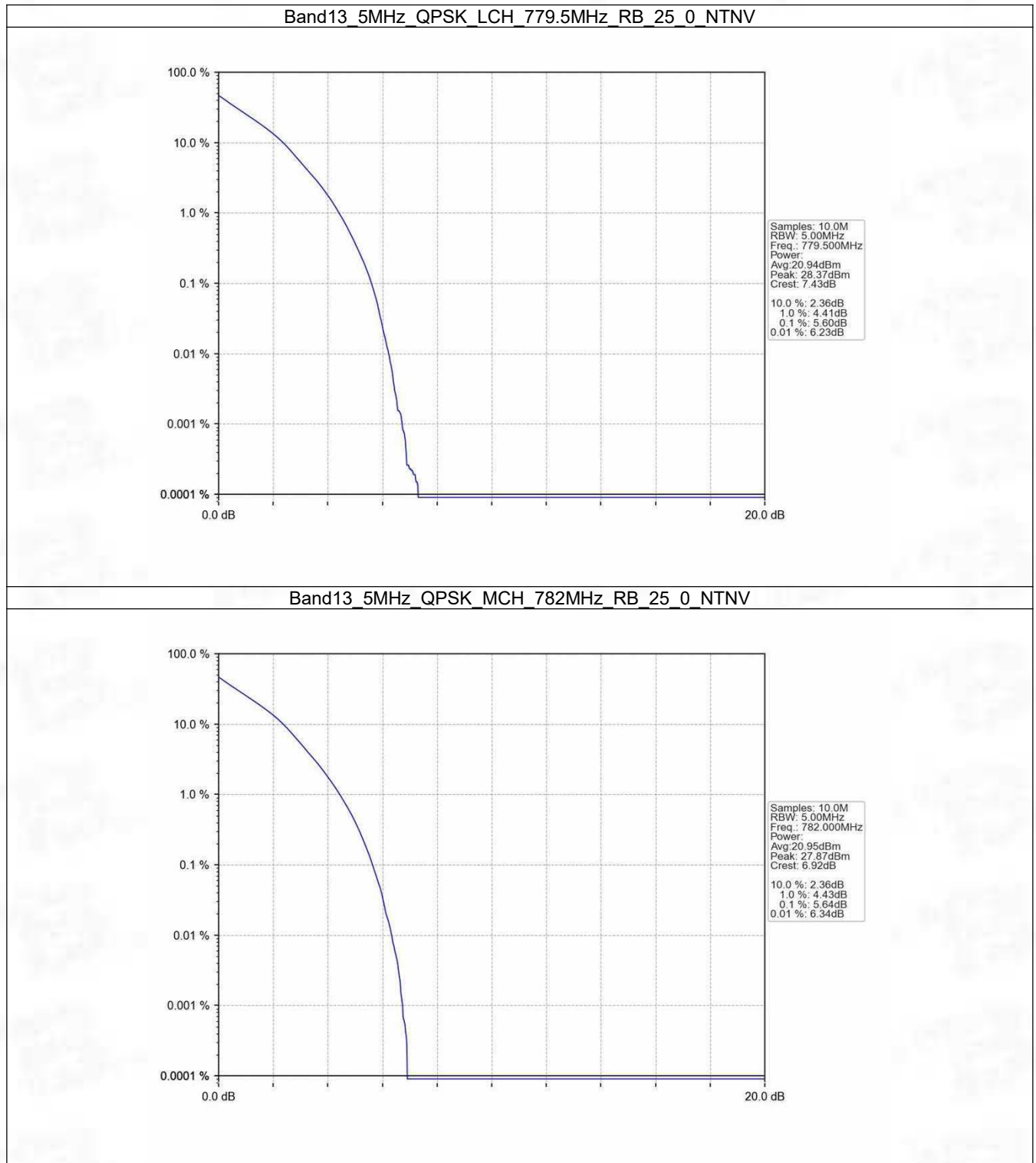
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.60	≤ 13	Pass
	782	25	0	5.64	≤ 13	Pass
	784.5	25	0	5.56	≤ 13	Pass
16QAM	779.5	25	0	6.26	≤ 13	Pass
	782	25	0	6.35	≤ 13	Pass
	784.5	25	0	6.29	≤ 13	Pass

5.1.2 B13_10MHz

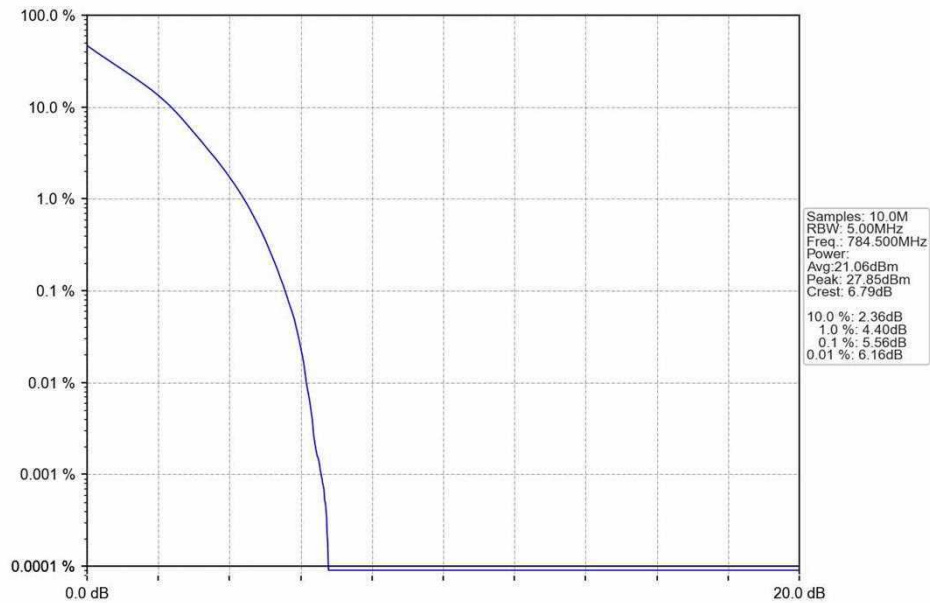
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.61	≤ 13	Pass
16QAM	782	50	0	6.32	≤ 13	Pass

5.2 Test Graph

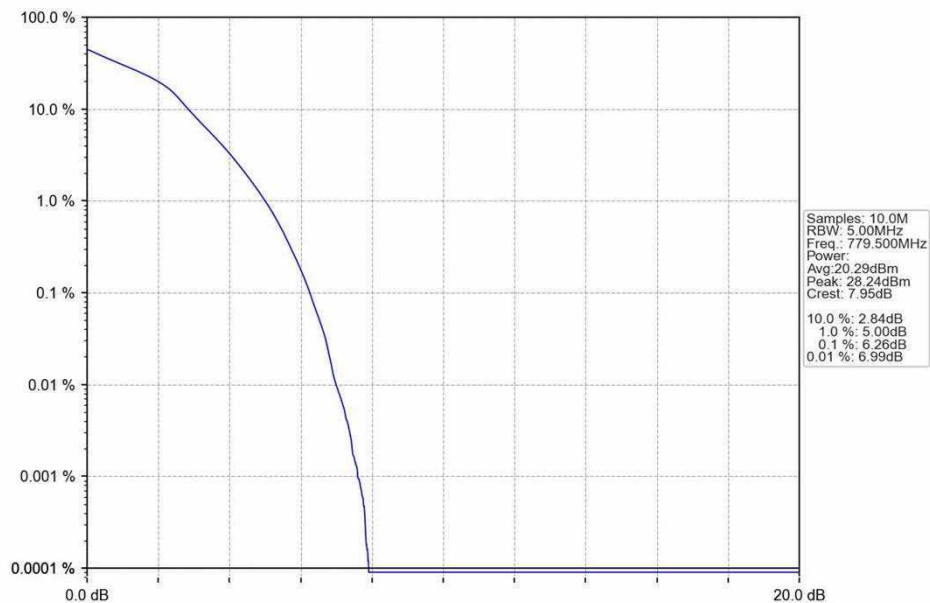
5.2.1 B13_5MHz



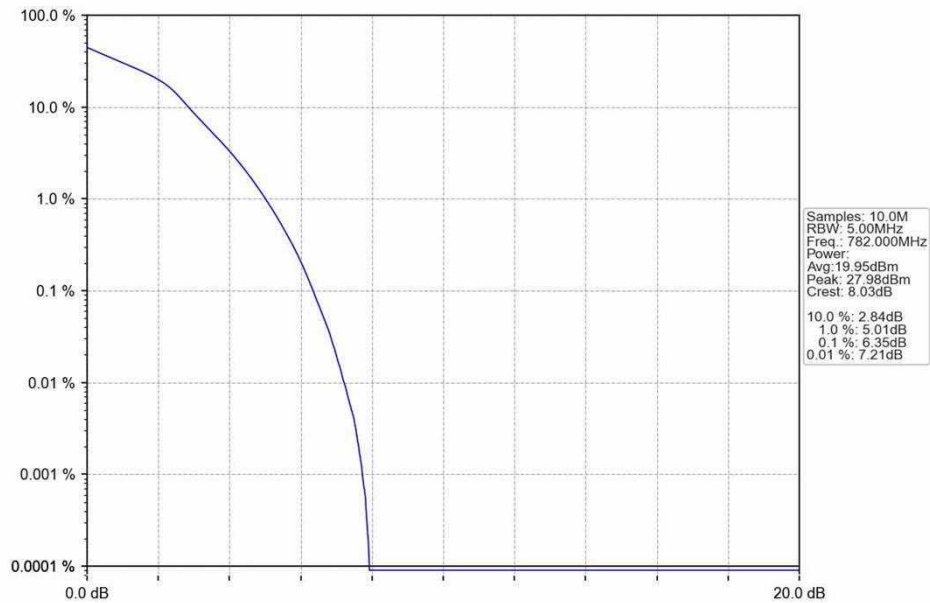
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



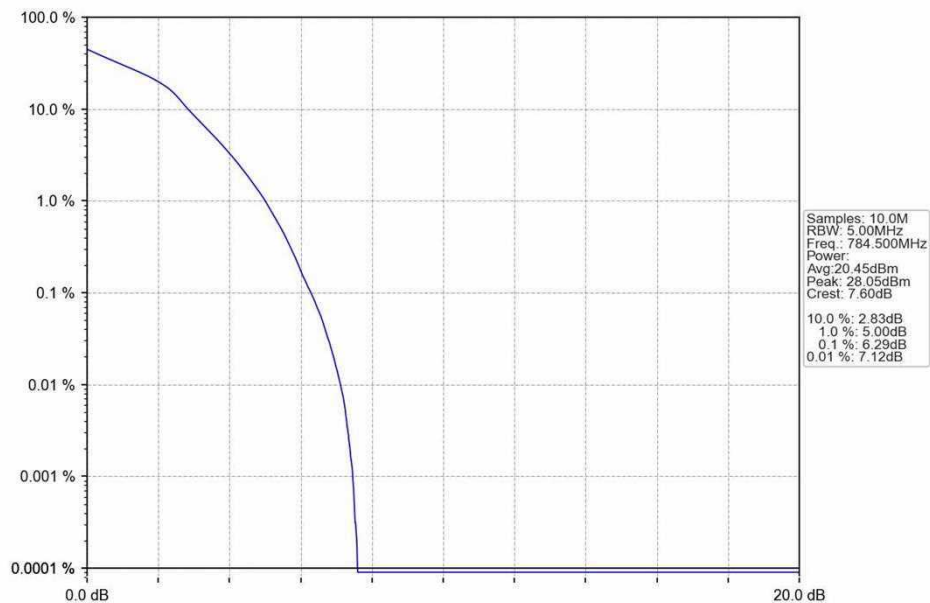
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



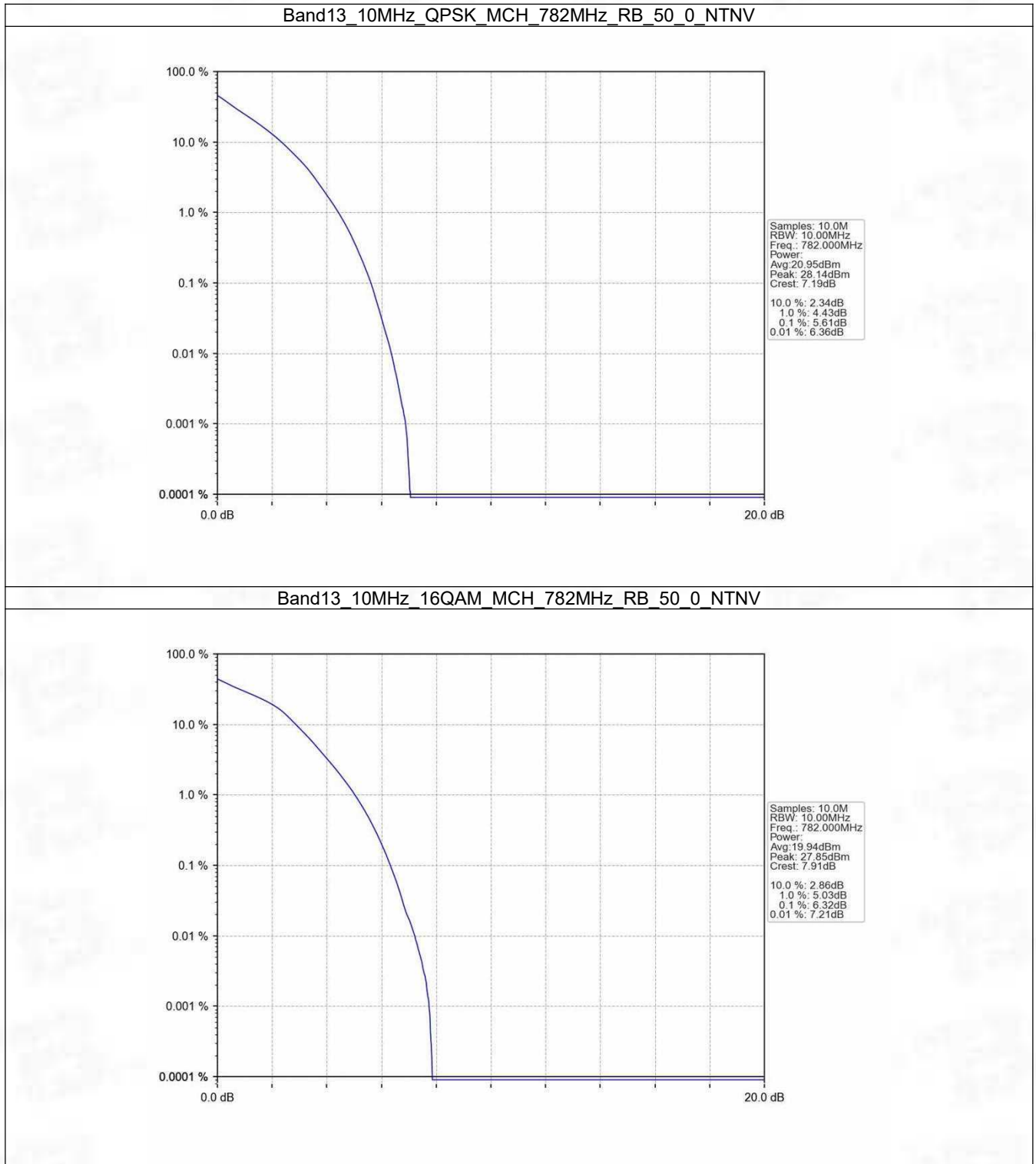
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



5.2.2 B13_10MHz



6. Spurious Emission

6.1 Test Result

6.1.1 B13_5MHz

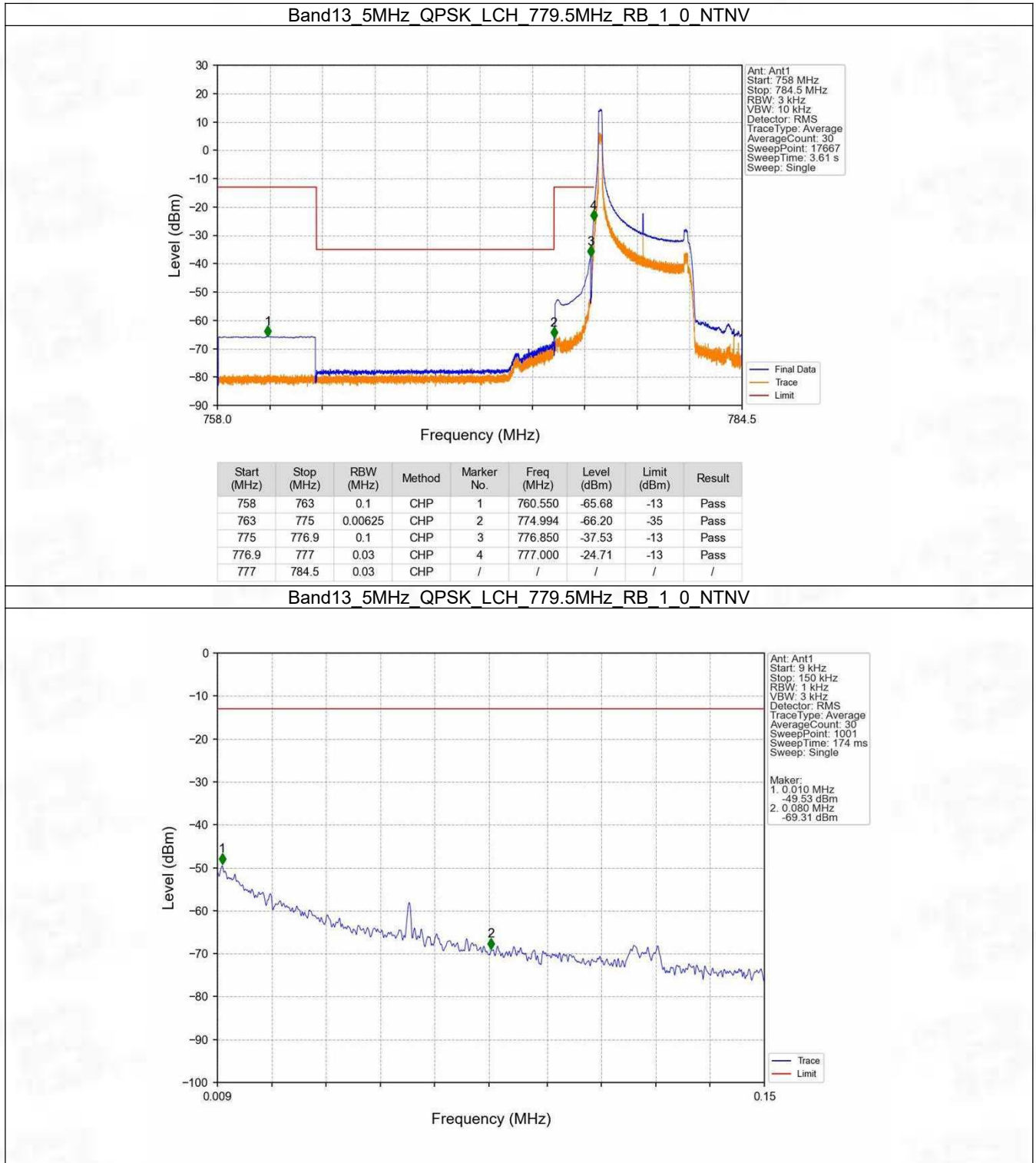
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

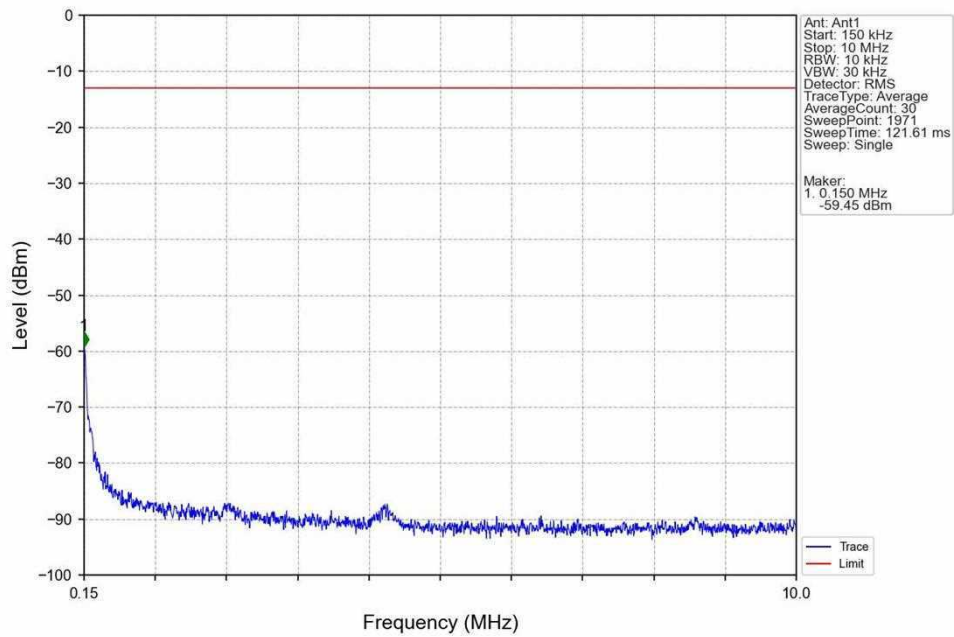
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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

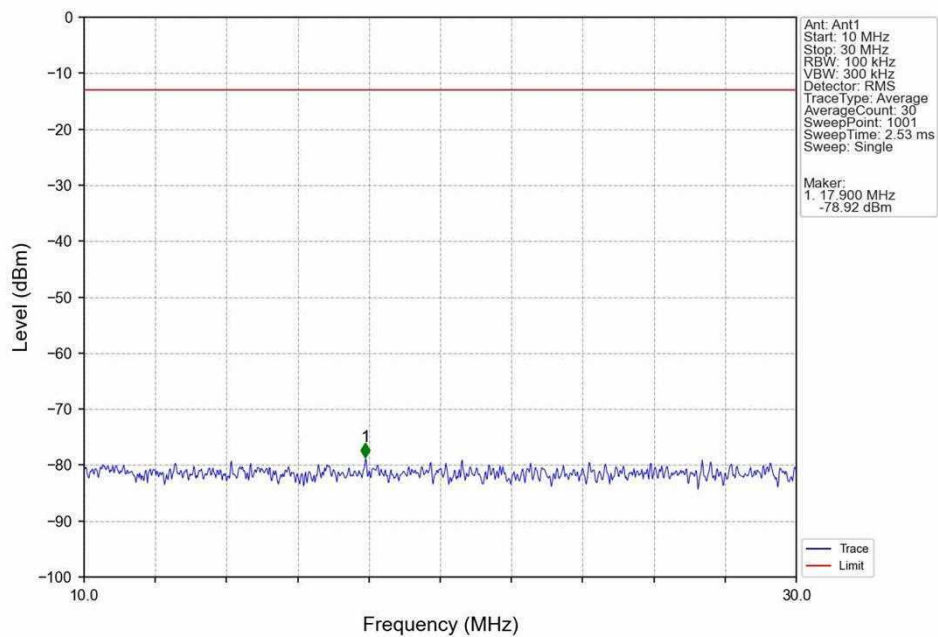
6.2.1 B13_5MHz



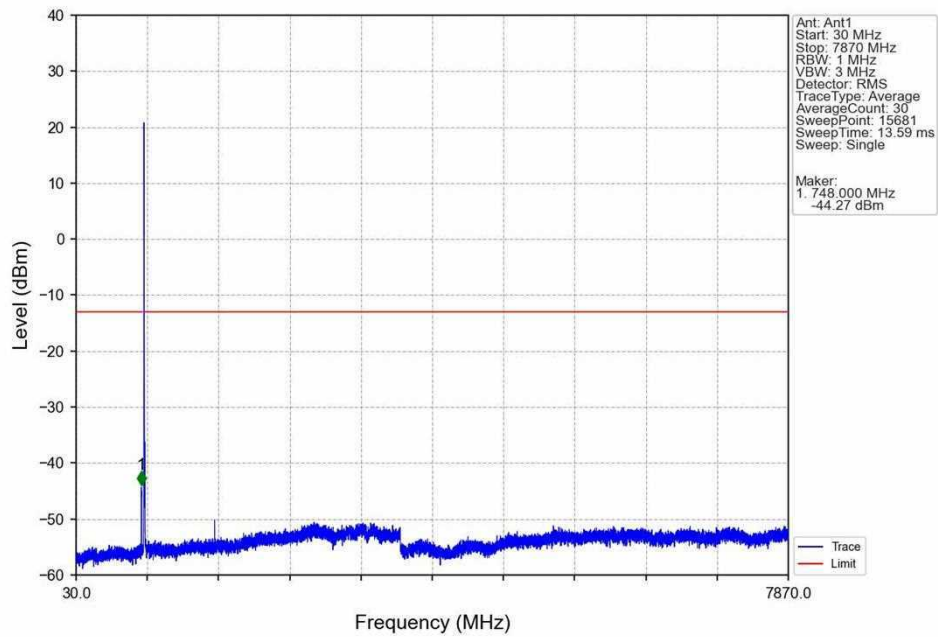
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



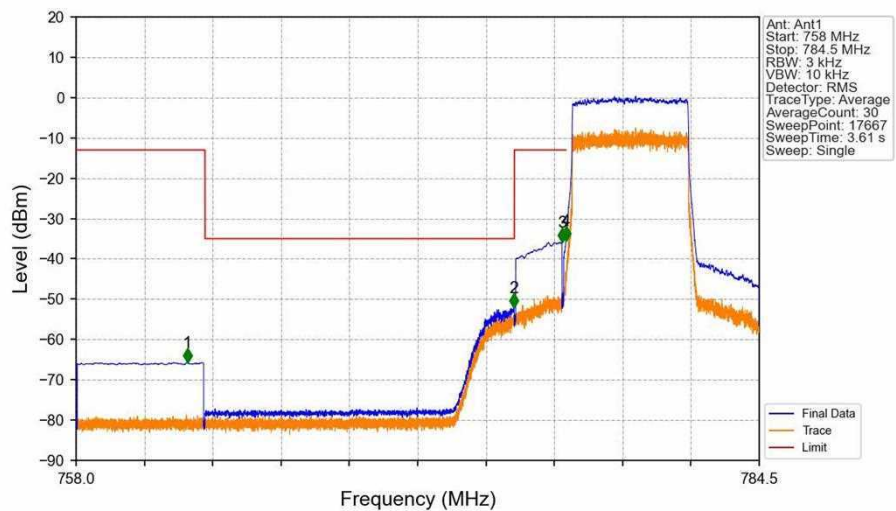
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

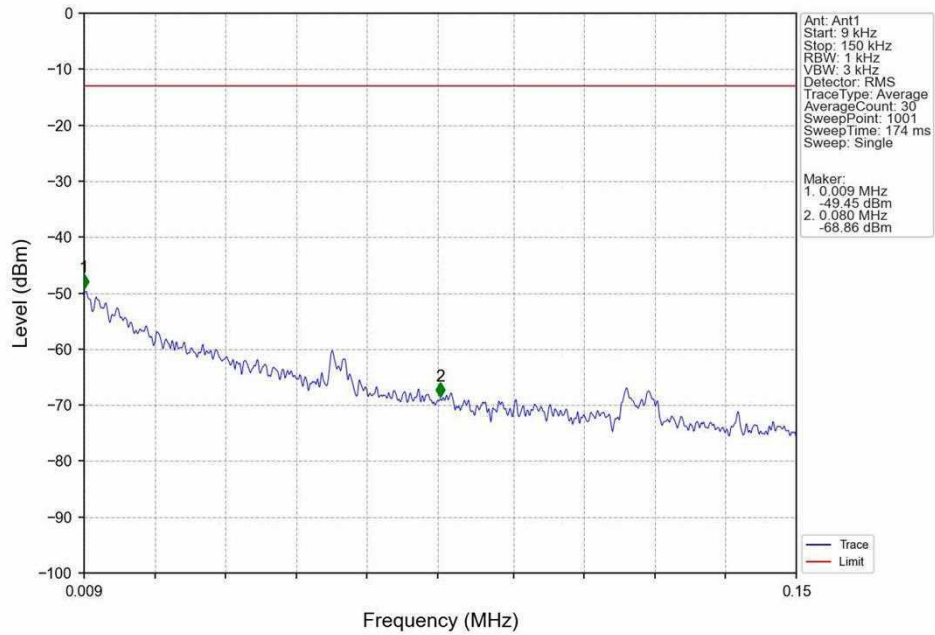


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

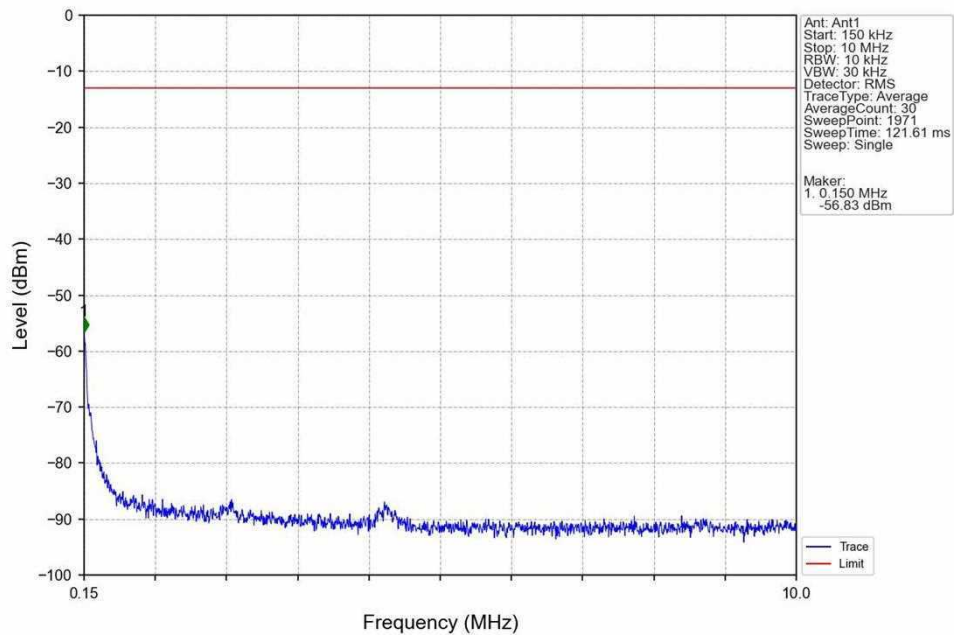


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.319	-65.70	-13	Pass
763	775	0.00625	CHP	2	774.970	-52.08	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.85	-13	Pass
776.9	777	0.03	CHP	4	776.998	-35.43	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

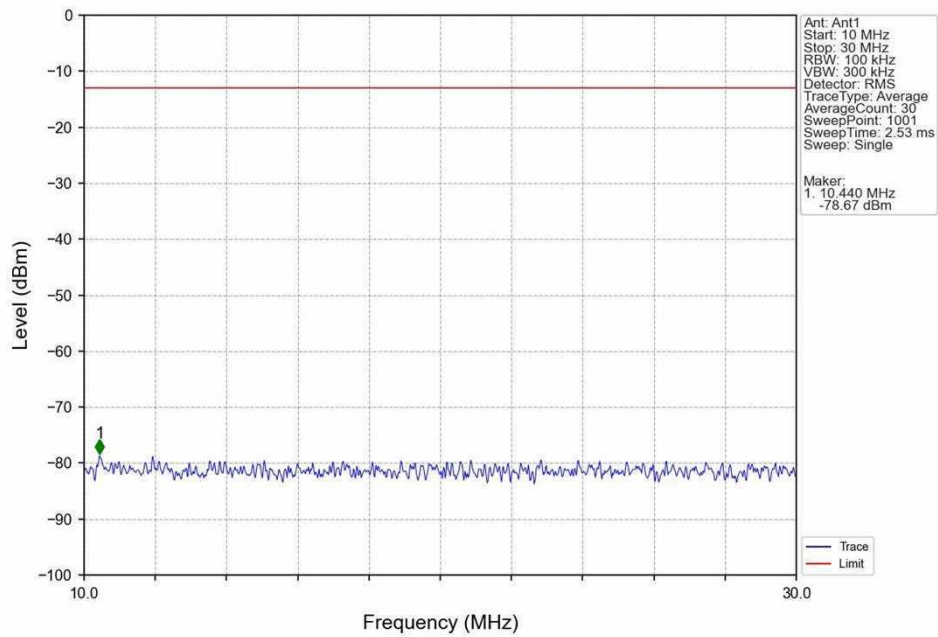
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



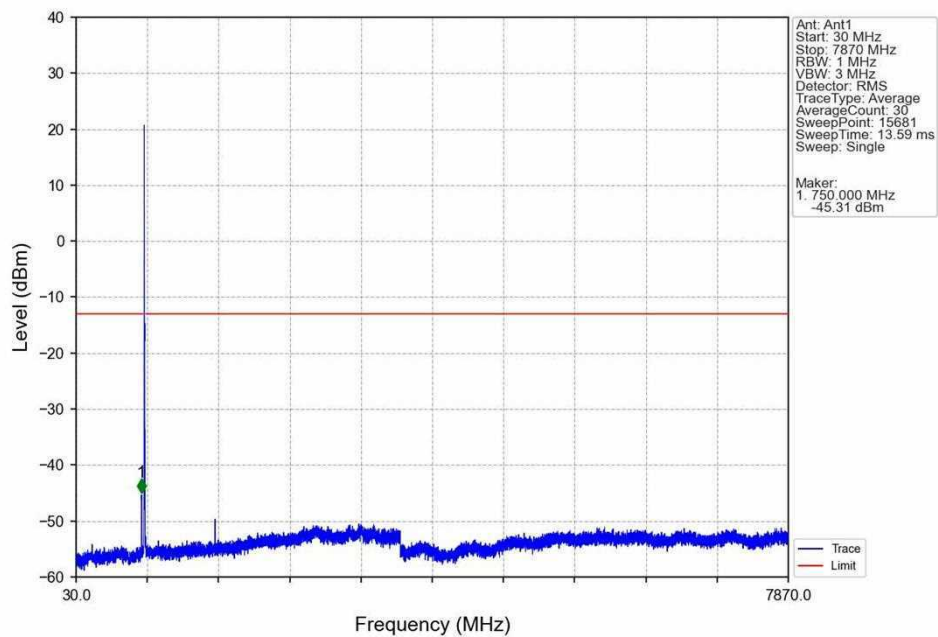
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



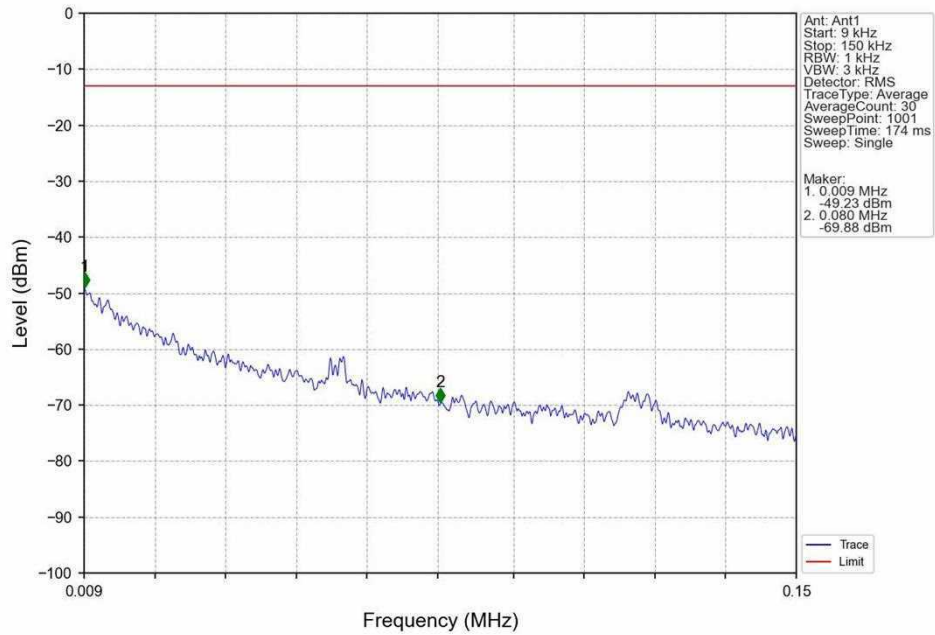
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



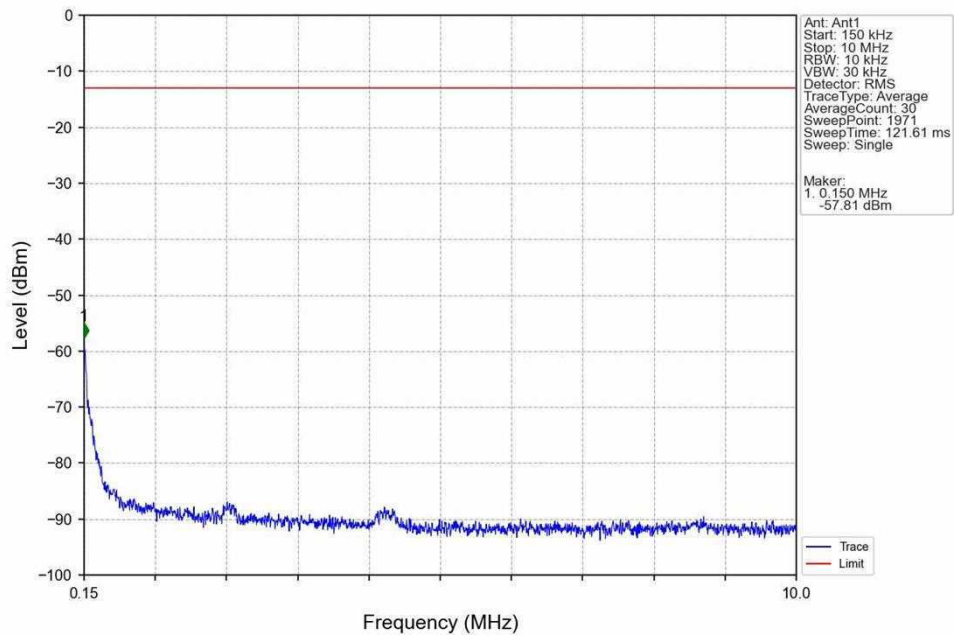
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



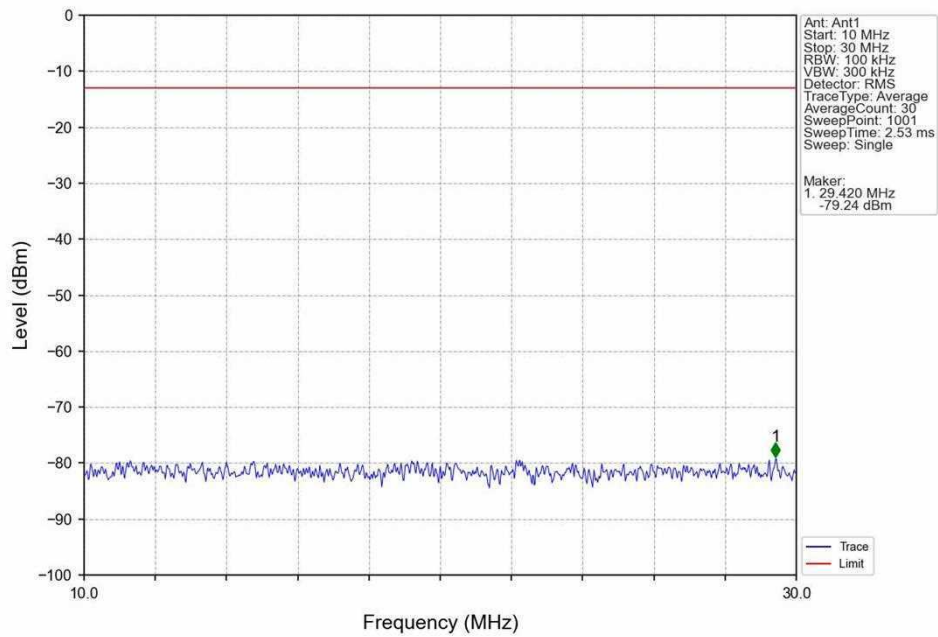
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



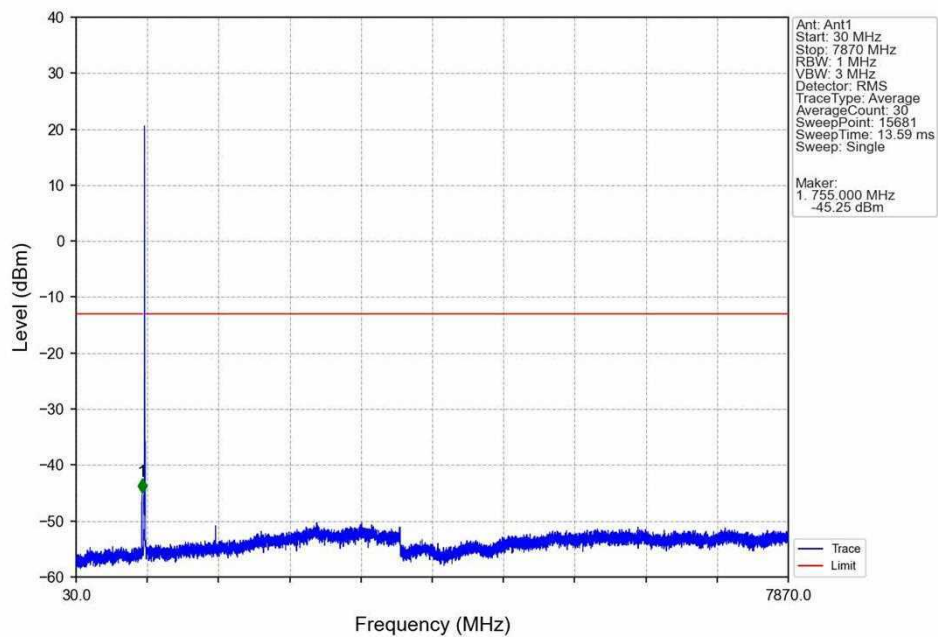
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



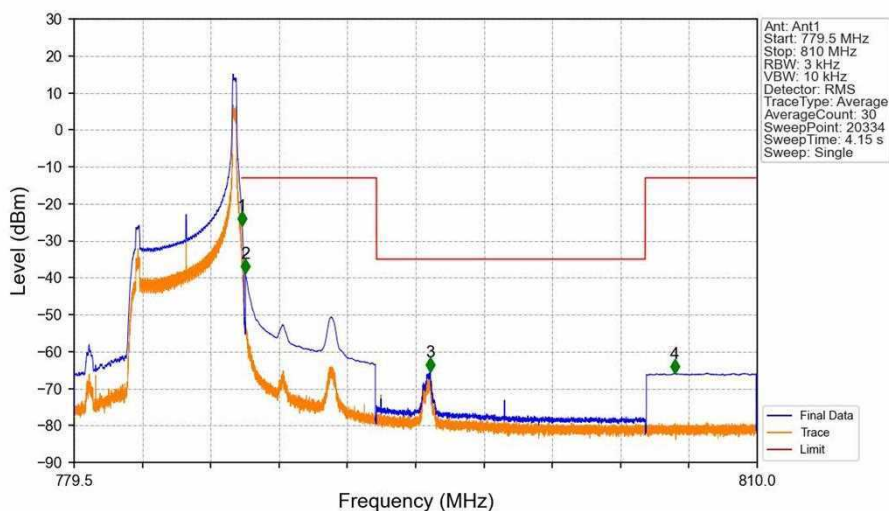
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

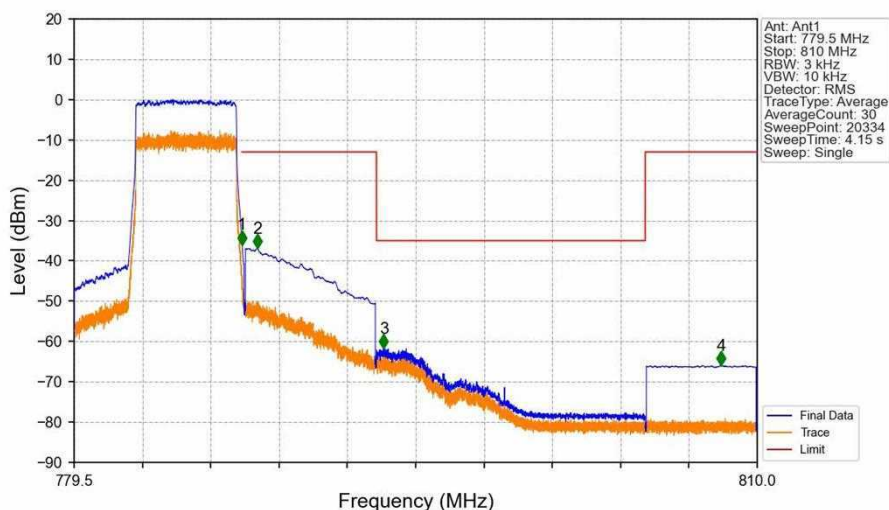


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



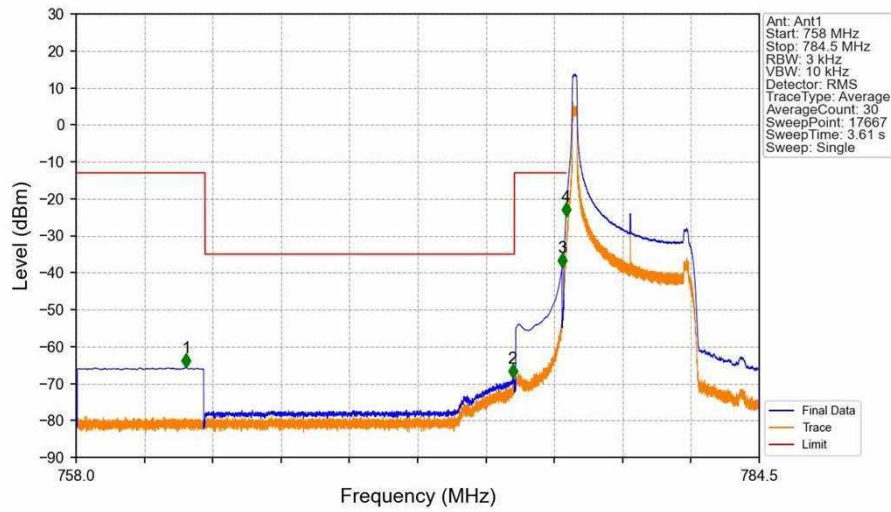
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-25.79	-13	Pass
787.1	793	0.1	CHP	2	787.150	-38.80	-13	Pass
793	805	0.00625	CHP	3	795.384	-65.45	-35	Pass
805	810	0.1	CHP	4	806.305	-65.86	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

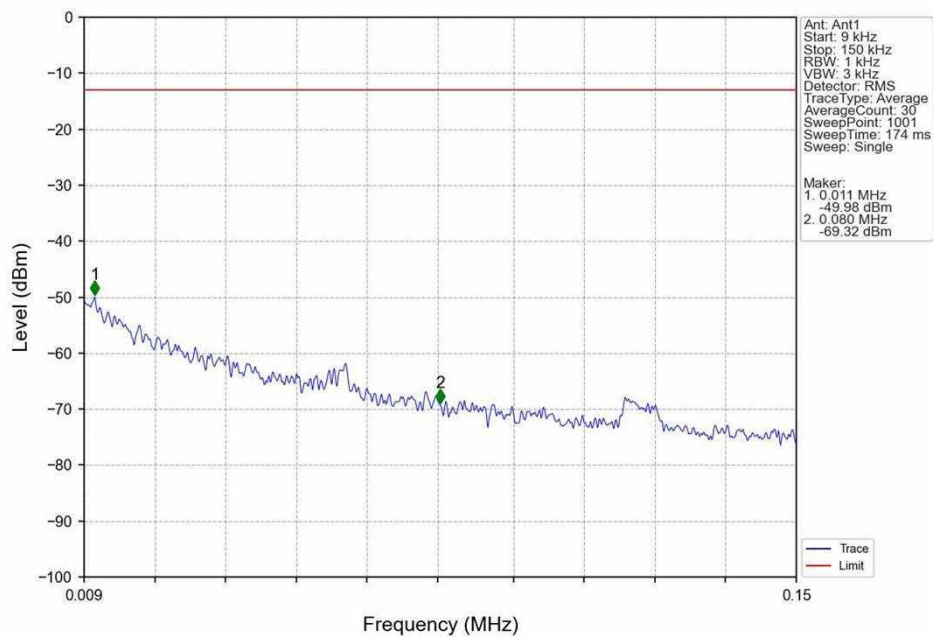


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-35.94	-13	Pass
787.1	793	0.1	CHP	2	787.674	-36.78	-13	Pass
793	805	0.00625	CHP	3	793.326	-61.74	-35	Pass
805	810	0.1	CHP	4	808.383	-65.97	-13	Pass

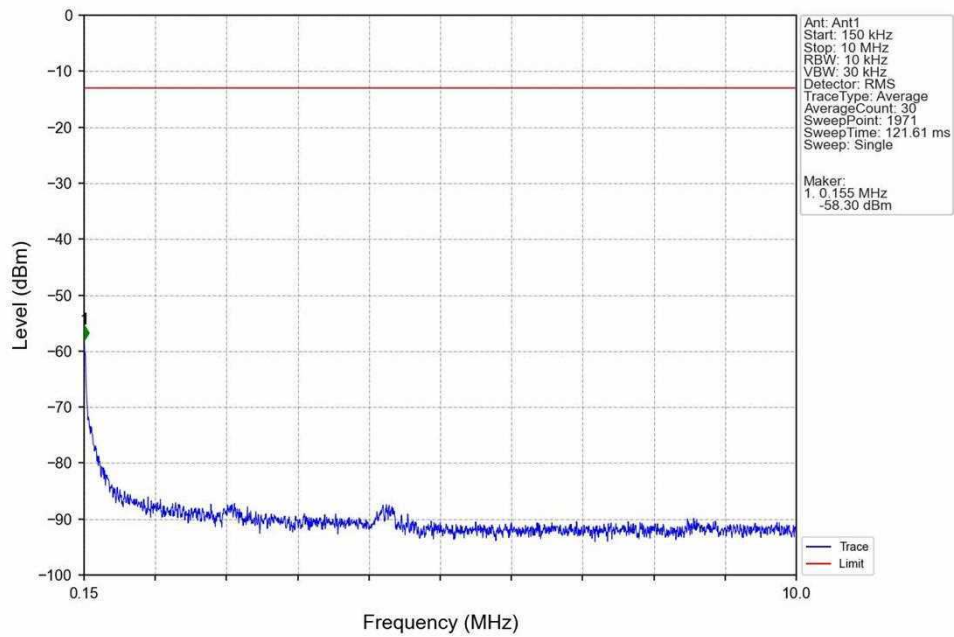
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



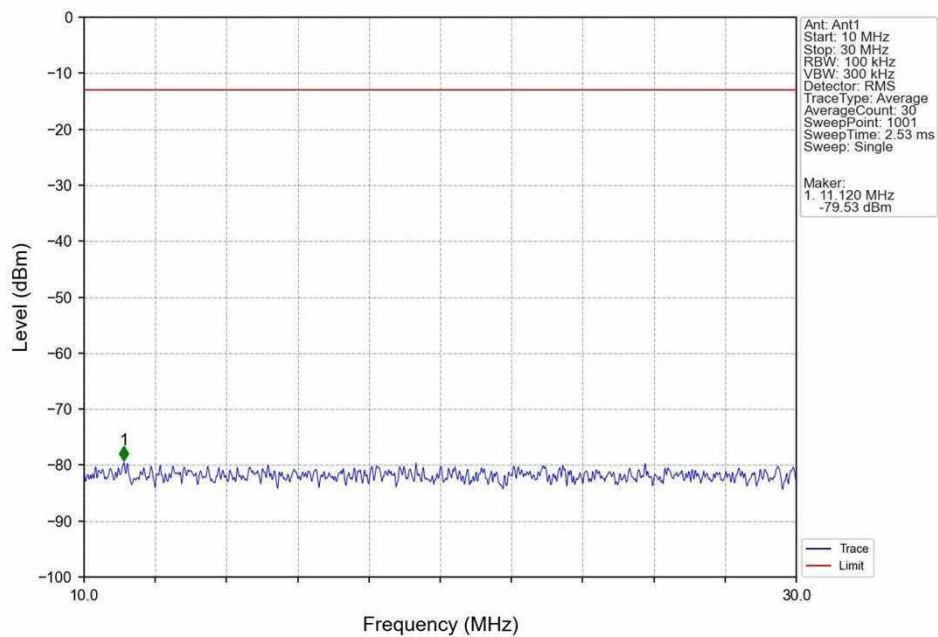
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



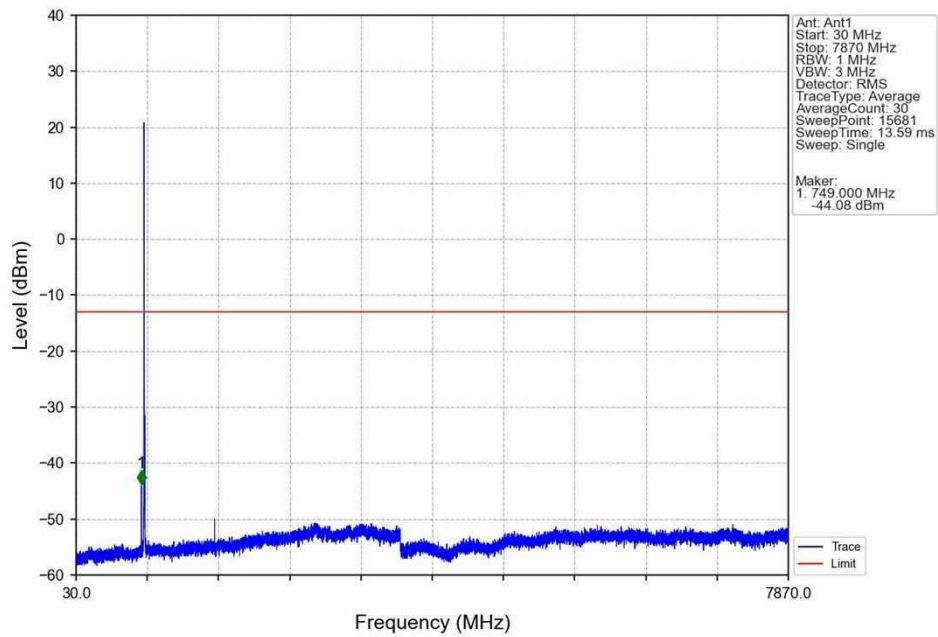
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



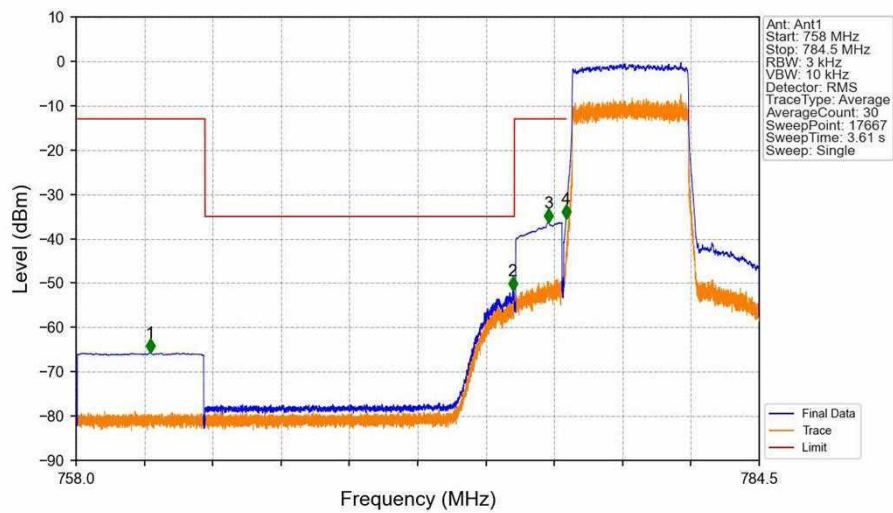
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

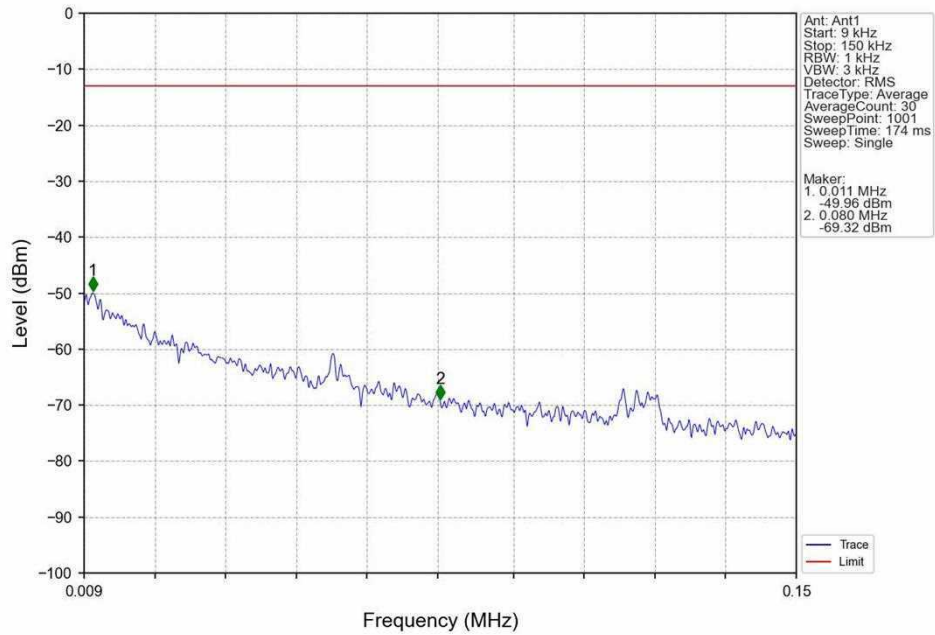


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

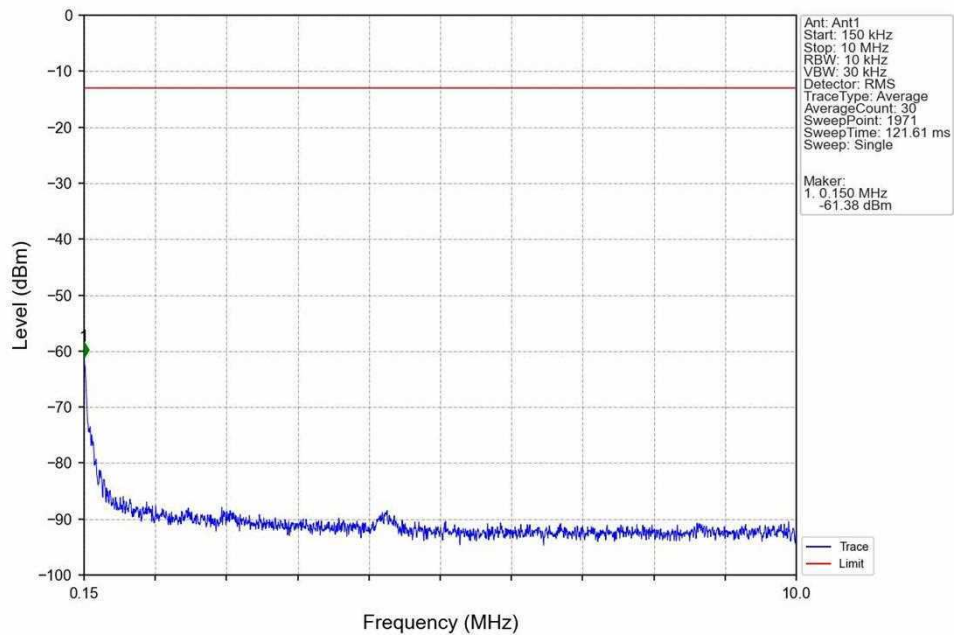


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.877	-65.74	-13	Pass
763	775	0.00625	CHP	2	774.933	-51.76	-35	Pass
775	776.9	0.1	CHP	3	776.323	-36.35	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.45	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

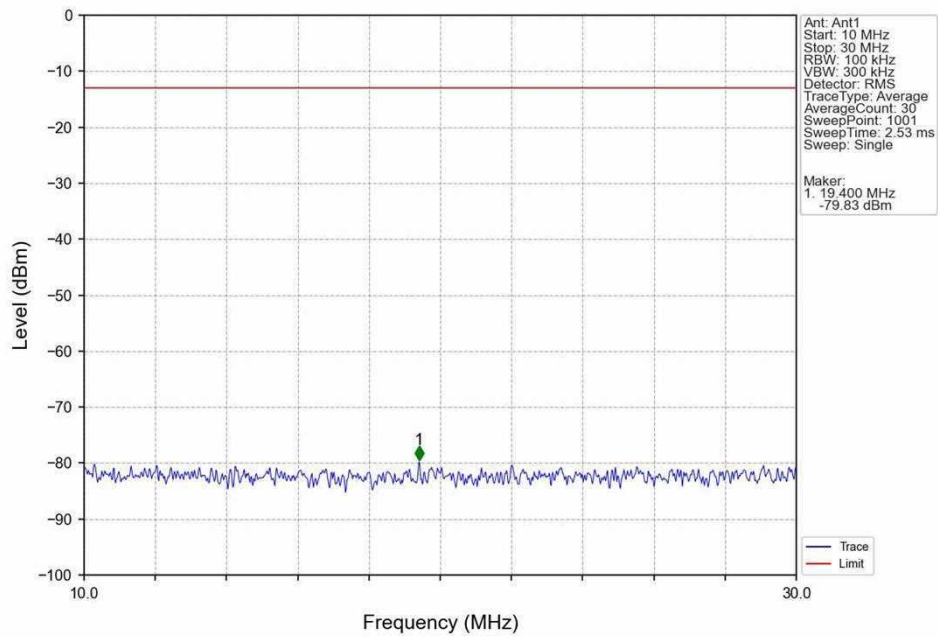
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



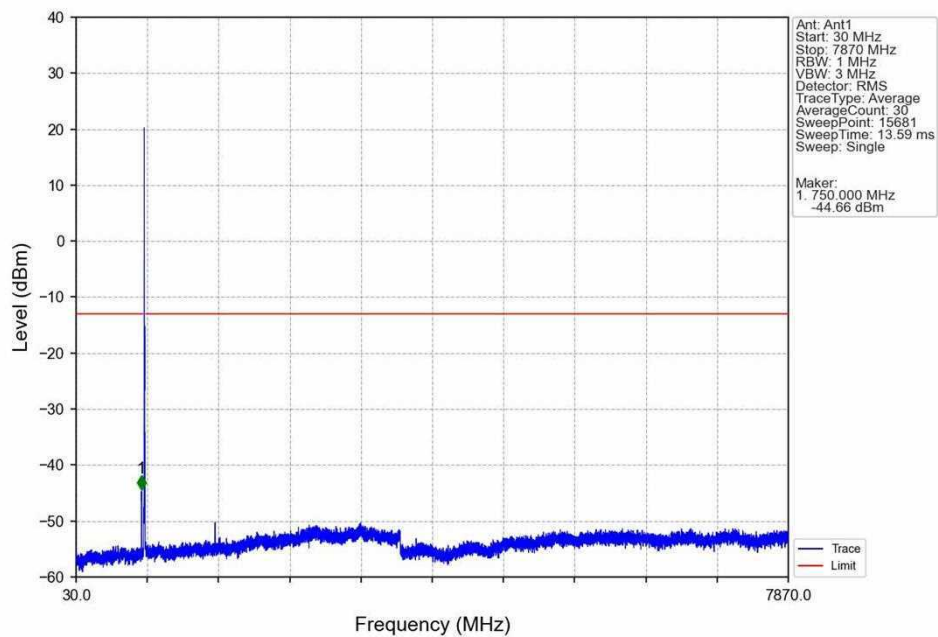
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



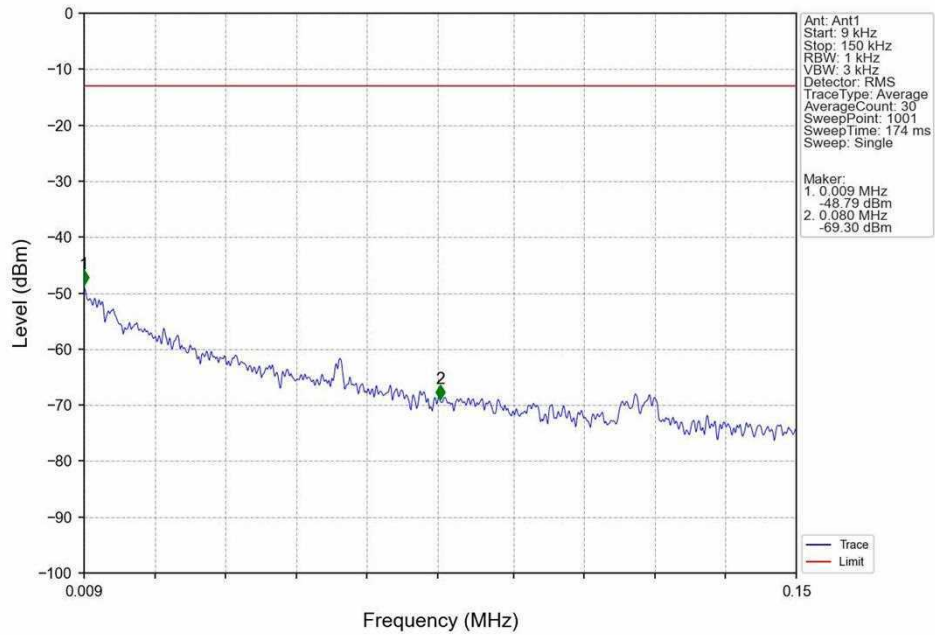
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



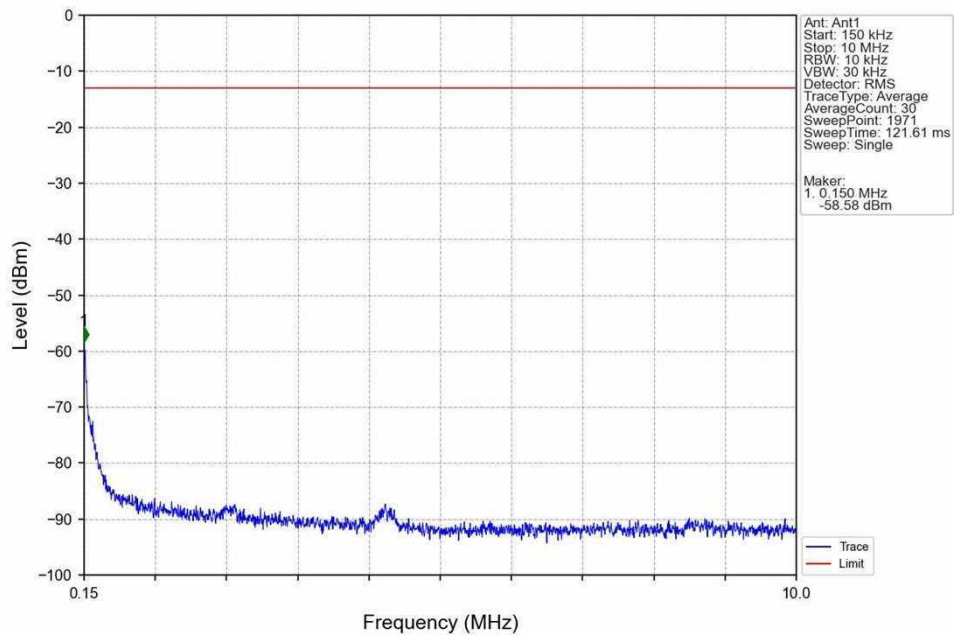
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



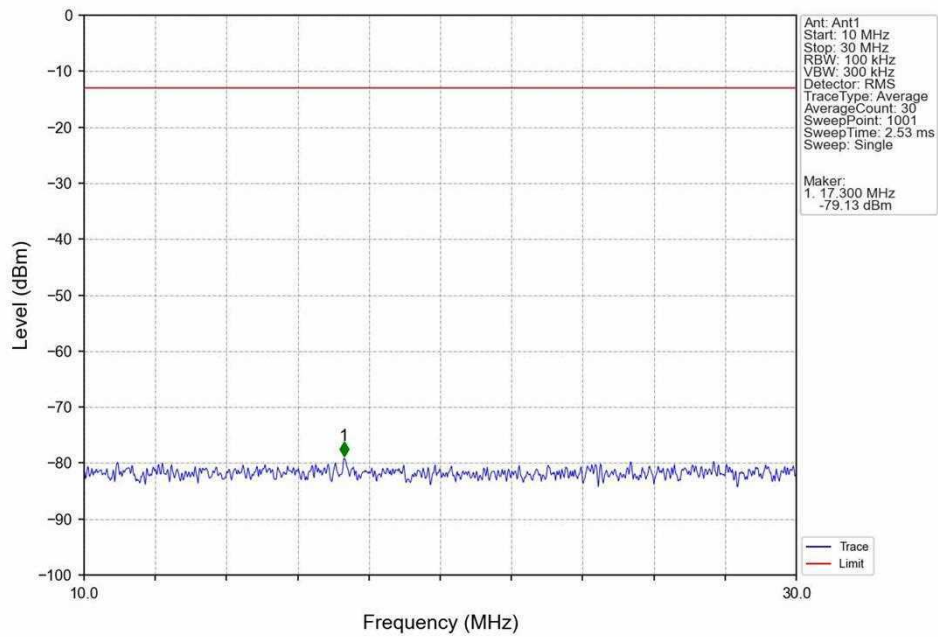
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



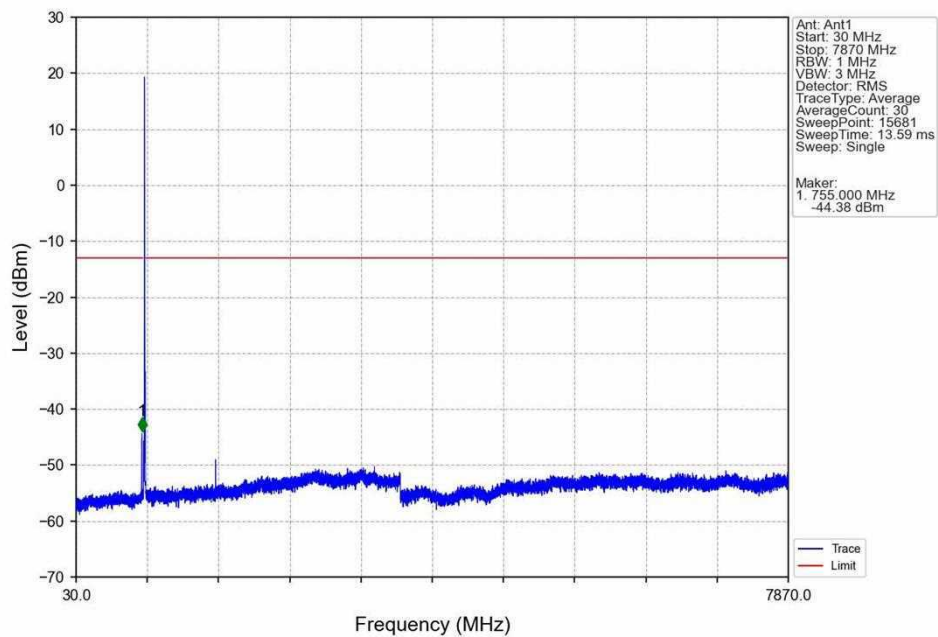
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



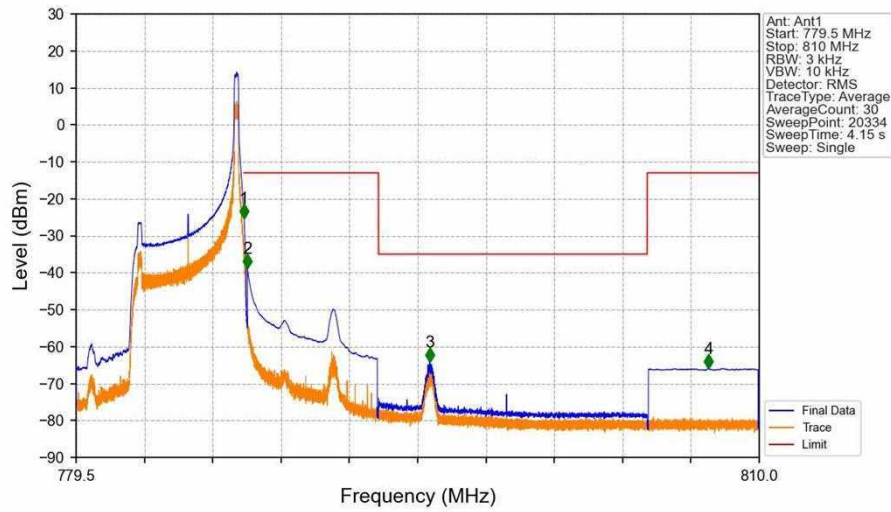
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



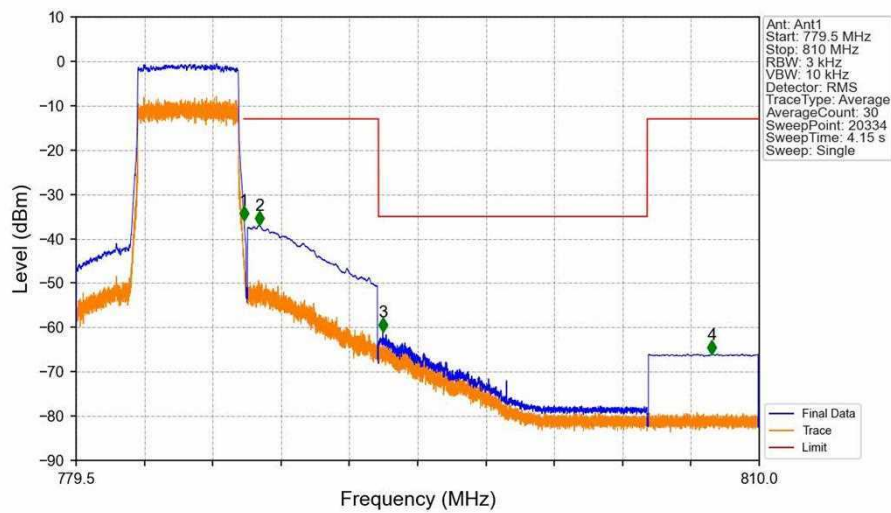
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



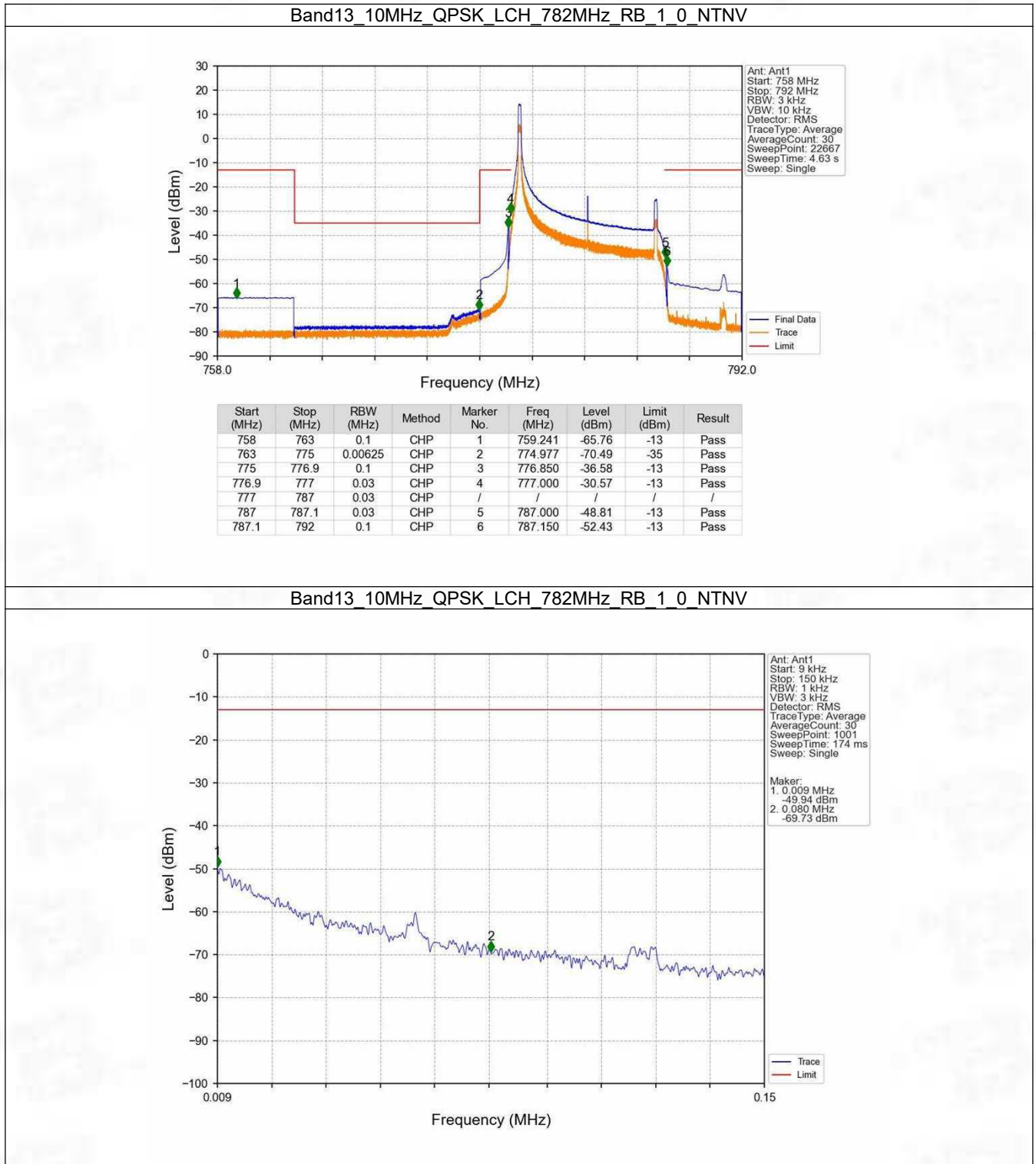
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



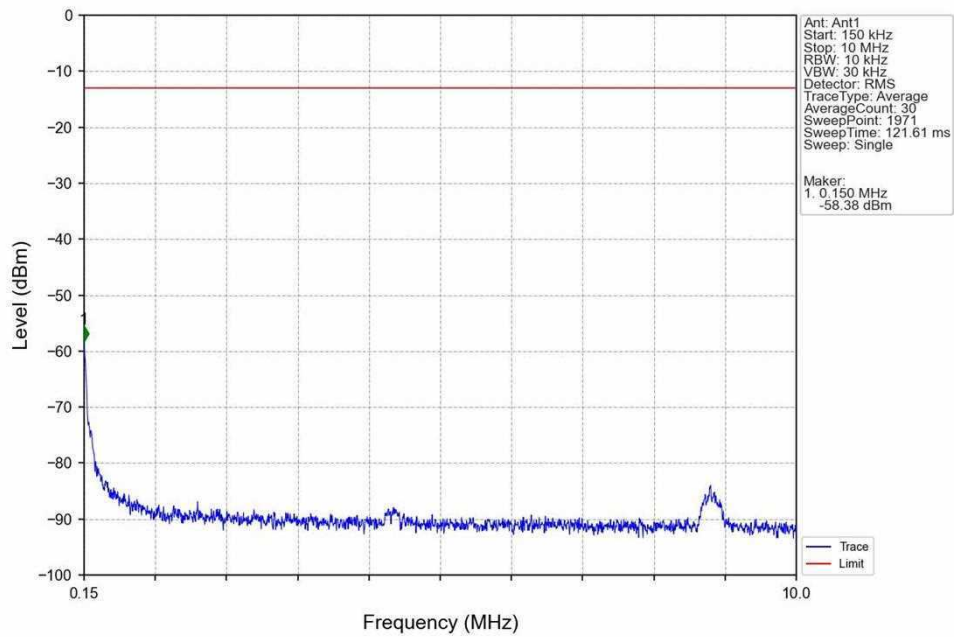
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



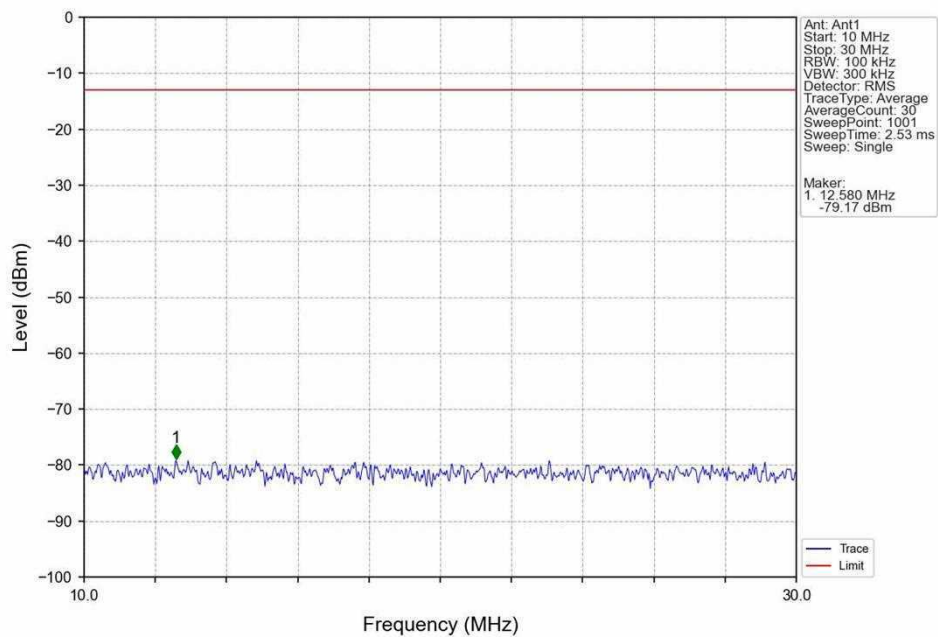
6.2.2 B13_10MHz



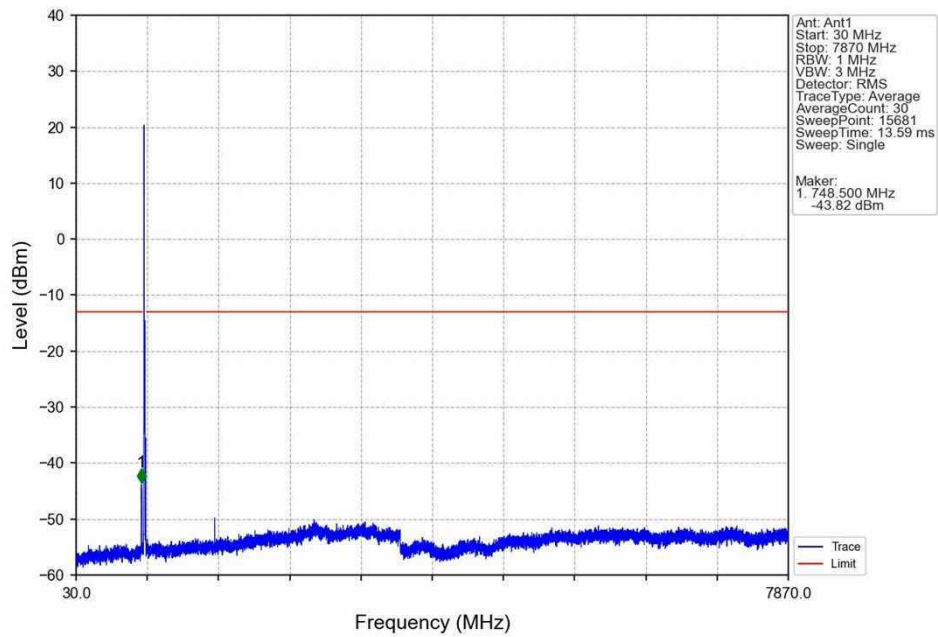
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



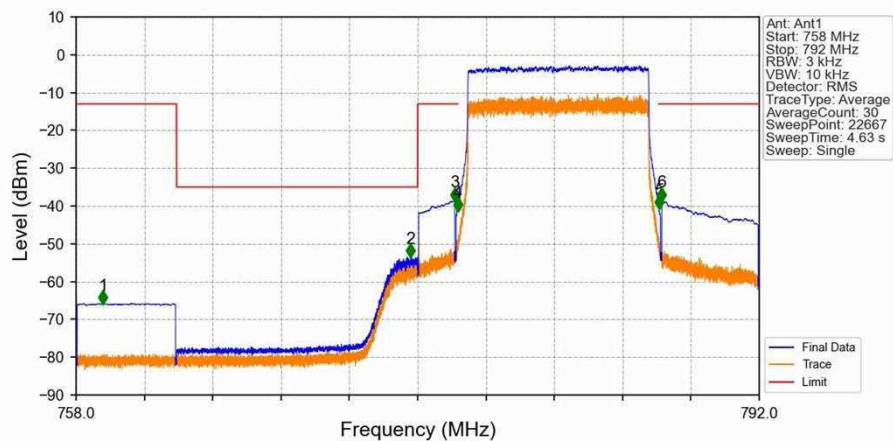
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

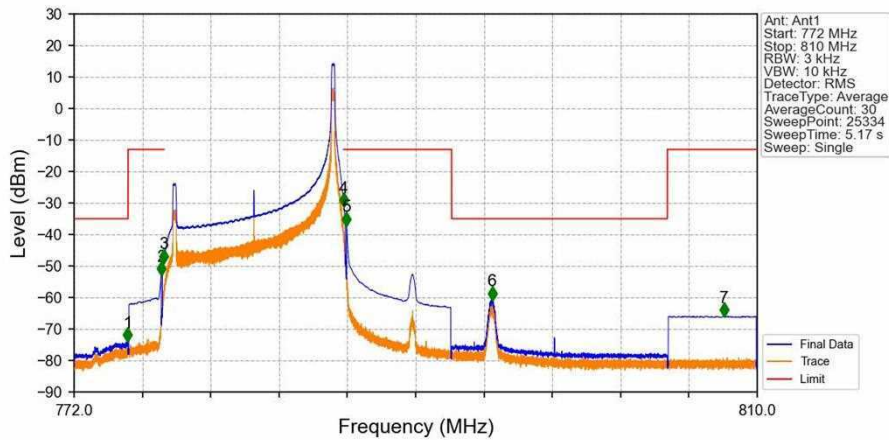


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



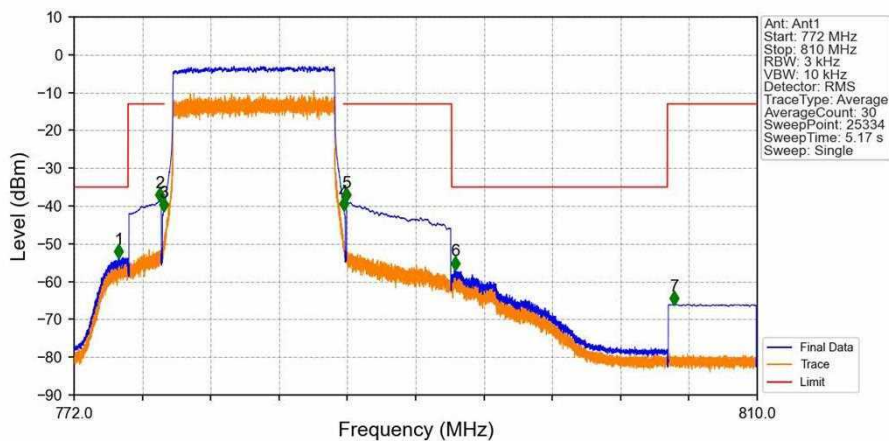
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.329	-65.79	-13	Pass
763	775	0.00625	CHP	2	774.656	-53.40	-35	Pass
775	776.9	0.1	CHP	3	776.850	-38.52	-13	Pass
776.9	777	0.03	CHP	4	776.994	-41.17	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-40.50	-13	Pass
787.1	792	0.1	CHP	6	787.152	-38.50	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_1_49_NTNV



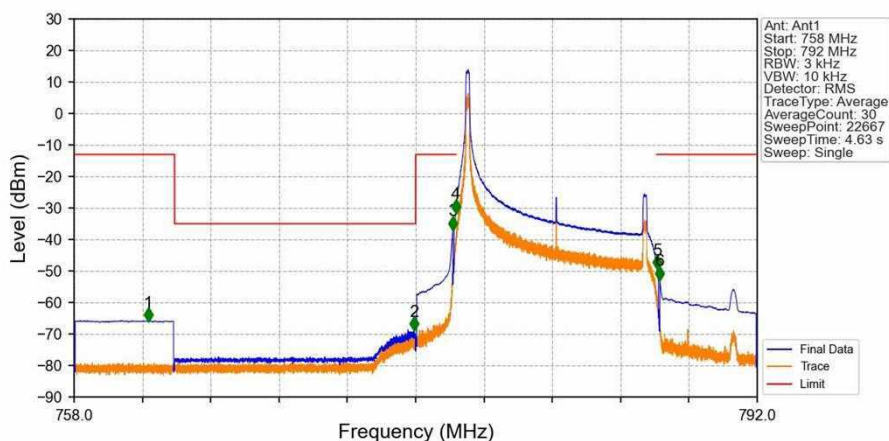
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.969	-73.67	-35	Pass
775	776.9	0.1	CHP	2	776.850	-52.73	-13	Pass
776.9	777	0.03	CHP	3	777.000	-48.76	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-30.91	-13	Pass
787.1	793	0.1	CHP	5	787.150	-36.94	-13	Pass
793	805	0.00625	CHP	6	795.247	-60.54	-35	Pass
805	810	0.1	CHP	7	808.137	-65.82	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_50_0_NTNV



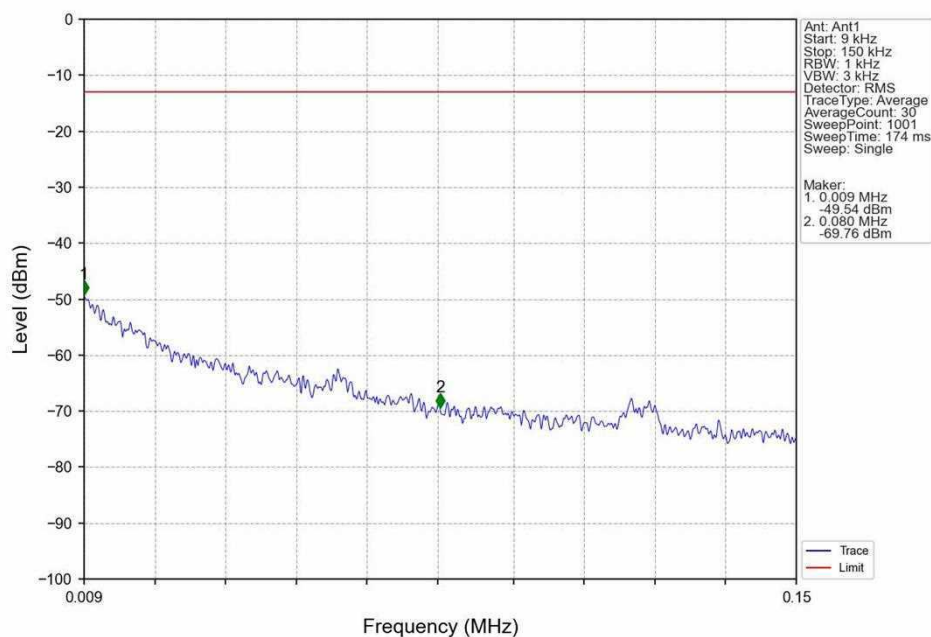
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.477	-53.57	-35	Pass
775	776.9	0.1	CHP	2	776.755	-38.61	-13	Pass
776.9	777	0.03	CHP	3	776.992	-41.13	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-40.94	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.60	-13	Pass
793	805	0.00625	CHP	6	793.182	-56.68	-35	Pass
805	810	0.1	CHP	7	805.393	-66.00	-13	Pass

Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

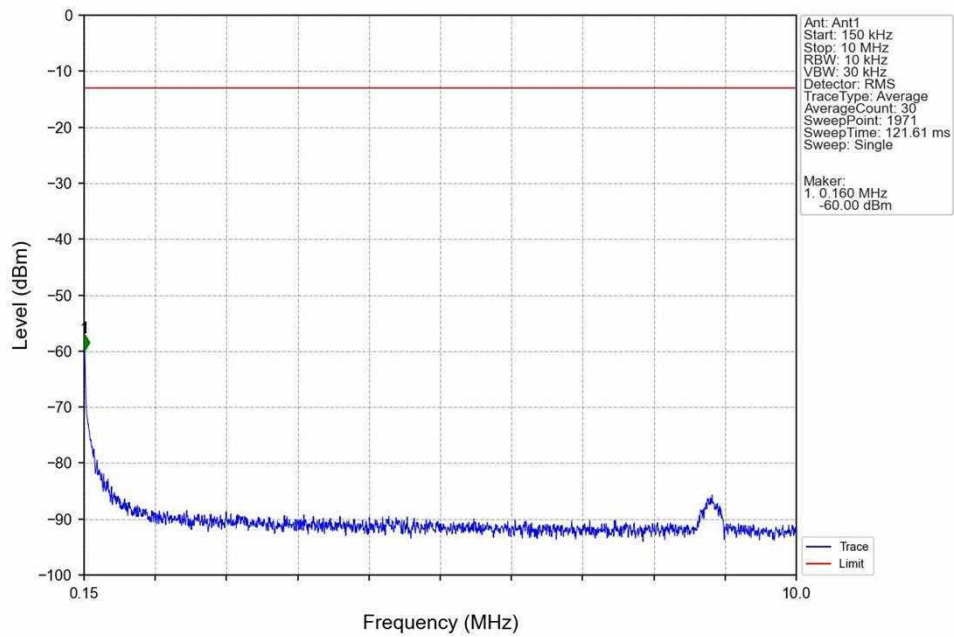


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.693	-65.75	-13	Pass
763	775	0.00625	CHP	2	774.908	-68.56	-35	Pass
775	776.9	0.1	CHP	3	776.850	-36.71	-13	Pass
776.9	777	0.03	CHP	4	777.000	-31.29	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-49.16	-13	Pass
787.1	792	0.1	CHP	6	787.150	-52.59	-13	Pass

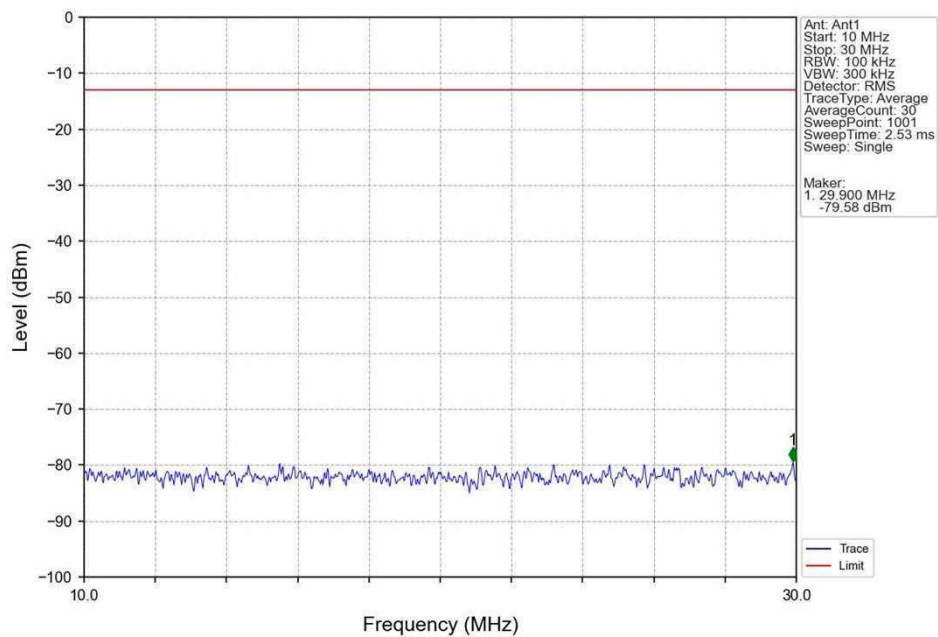
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



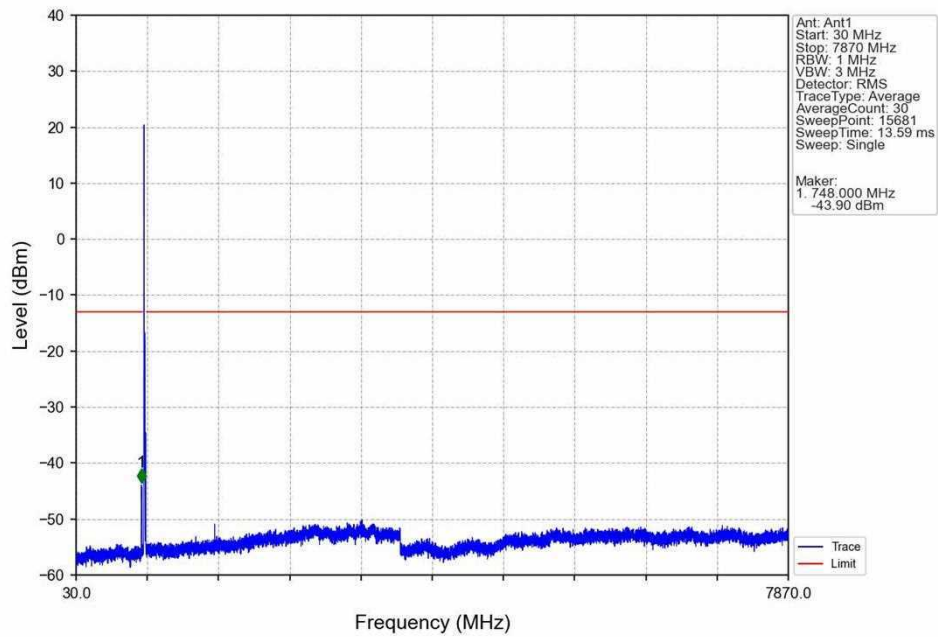
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



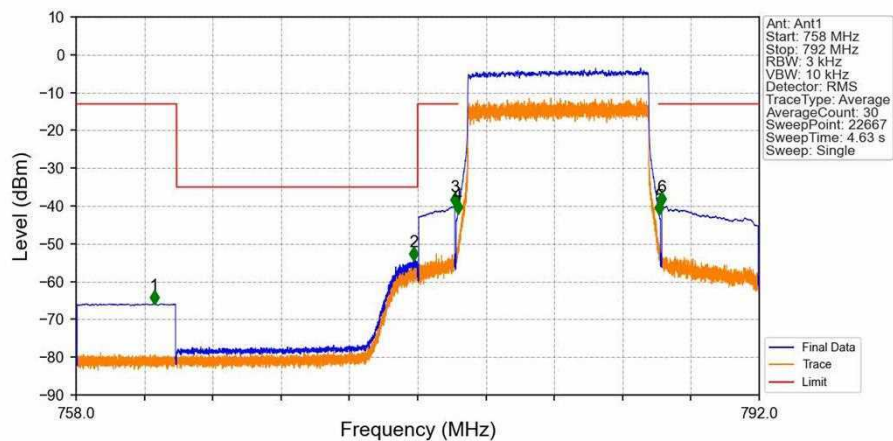
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

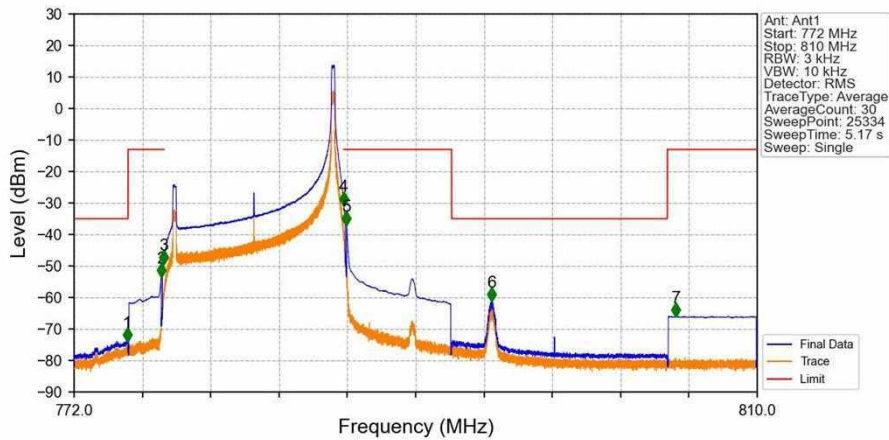


Band13_10MHz_16QAM_LCH_782MHz_RB_50_0_NTNV



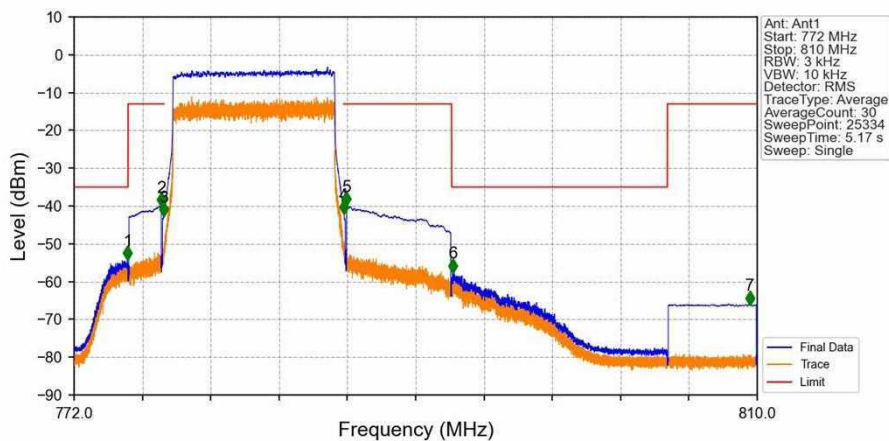
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.900	-65.81	-13	Pass
763	775	0.00625	CHP	2	774.808	-54.19	-35	Pass
775	776.9	0.1	CHP	3	776.850	-39.81	-13	Pass
776.9	777	0.03	CHP	4	777.000	-41.74	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-42.03	-13	Pass
787.1	792	0.1	CHP	6	787.150	-39.69	-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	774.961	-73.67	-35	Pass
775	776.9	0.1	CHP	2	776.850	-53.20	-13	Pass
776.9	777	0.03	CHP	3	776.998	-49.04	-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	-36.72	-13	Pass
793	805	0.00625	CHP	6	795.208	-60.98	-35	Pass
805	810	0.1	CHP	7	805.482	-65.84	-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	774.972	-53.94	-35	Pass
775	776.9	0.1	CHP	2	776.848	-39.97	-13	Pass
776.9	777	0.03	CHP	3	777.000	-42.47	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-41.80	-13	Pass
787.1	793	0.1	CHP	5	787.150	-39.69	-13	Pass
793	805	0.00625	CHP	6	793.062	-57.32	-35	Pass
805	810	0.1	CHP	7	809.577	-65.87	-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	0.1288	0.0663	ppm	4M56G7D	27F	21.10
13	5	779.5	784.5	0.1297	0.0509	ppm	4M56W7D	27F	21.13
13	10	782	782	0.1531	0.0572	ppm	9M04G7D	27F	21.85
13	10	782	782	0.1449	0.0660	ppm	9M04W7D	27F	21.61

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	0.0553	0.0663	ppm	4M56G7D	27F	17.43
13	5	779.5	784.5	0.0557	0.0509	ppm	4M56W7D	27F	17.46
13	10	782	782	0.0658	0.0572	ppm	9M04G7D	27F	18.18
13	10	782	782	0.0622	0.0660	ppm	9M04W7D	27F	17.94