

Appendix Test Data for 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	24.56	-15.63	6.78	<=34.77	Pass
			13	24.47	-15.63	6.69	<=34.77	Pass
			24	24.47	-15.63	6.69	<=34.77	Pass
		12	0	23.99	-15.63	6.21	<=34.77	Pass
			6	23.88	-15.63	6.10	<=34.77	Pass
			13	23.86	-15.63	6.08	<=34.77	Pass
		25	0	23.96	-15.63	6.18	<=34.77	Pass
	782	1	0	24.09	-15.63	6.31	<=34.77	Pass
			13	24.22	-15.63	6.44	<=34.77	Pass
			24	24.28	-15.63	6.50	<=34.77	Pass
		12	0	23.44	-15.63	5.66	<=34.77	Pass
			6	23.53	-15.63	5.75	<=34.77	Pass
			13	23.73	-15.63	5.95	<=34.77	Pass
		25	0	23.65	-15.63	5.87	<=34.77	Pass
	784.5	1	0	24.19	-15.63	6.41	<=34.77	Pass
			13	24.33	-15.63	6.55	<=34.77	Pass
			24	24.22	-15.63	6.44	<=34.77	Pass
		12	0	23.53	-15.63	5.75	<=34.77	Pass
			6	23.65	-15.63	5.87	<=34.77	Pass
			13	23.66	-15.63	5.88	<=34.77	Pass
		25	0	23.65	-15.63	5.87	<=34.77	Pass
16QAM	779.5	1	0	23.90	-15.63	6.12	<=34.77	Pass
			13	23.82	-15.63	6.04	<=34.77	Pass
			24	23.82	-15.63	6.04	<=34.77	Pass
		12	0	23.29	-15.63	5.51	<=34.77	Pass
			6	23.11	-15.63	5.33	<=34.77	Pass
			13	23.04	-15.63	5.26	<=34.77	Pass
		25	0	23.04	-15.63	5.26	<=34.77	Pass
	782	1	0	23.57	-15.63	5.79	<=34.77	Pass
			13	23.76	-15.63	5.98	<=34.77	Pass
			24	23.82	-15.63	6.04	<=34.77	Pass
		12	0	22.81	-15.63	5.03	<=34.77	Pass
			6	22.90	-15.63	5.12	<=34.77	Pass
			13	23.08	-15.63	5.30	<=34.77	Pass
		25	0	22.94	-15.63	5.16	<=34.77	Pass
	784.5	1	0	23.31	-15.63	5.53	<=34.77	Pass
			13	23.46	-15.63	5.68	<=34.77	Pass
			24	23.37	-15.63	5.59	<=34.77	Pass
		12	0	22.84	-15.63	5.06	<=34.77	Pass
			6	22.93	-15.63	5.15	<=34.77	Pass
			13	22.96	-15.63	5.18	<=34.77	Pass
		25	0	22.99	-15.63	5.21	<=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	24.58	-15.63	6.80	<=34.77	Pass
			25	24.55	-15.63	6.77	<=34.77	Pass
			49	24.68	-15.63	6.90	<=34.77	Pass
		25	0	23.91	-15.63	6.13	<=34.77	Pass
			13	24.00	-15.63	6.22	<=34.77	Pass
			25	24.17	-15.63	6.39	<=34.77	Pass
		50	0	24.08	-15.63	6.30	<=34.77	Pass
16QAM	782	1	0	23.74	-15.63	5.96	<=34.77	Pass
			25	23.50	-15.63	5.72	<=34.77	Pass
			49	23.74	-15.63	5.96	<=34.77	Pass
		25	0	23.03	-15.63	5.25	<=34.77	Pass
			13	23.02	-15.63	5.24	<=34.77	Pass
			25	23.20	-15.63	5.42	<=34.77	Pass
		50	0	23.10	-15.63	5.32	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	LV	-2.375	-0.0030	-2.5 to 2.5	Pass
					NV	-7.081	-0.0091	-2.5 to 2.5	Pass
					HV	-5.007	-0.0064	-2.5 to 2.5	Pass
				-30	NV	-2.818	-0.0036	-2.5 to 2.5	Pass
				-20	NV	-1.745	-0.0022	-2.5 to 2.5	Pass
				-10	NV	-1.888	-0.0024	-2.5 to 2.5	Pass
				0	NV	-3.047	-0.0039	-2.5 to 2.5	Pass
				10	NV	-4.363	-0.0056	-2.5 to 2.5	Pass
				30	NV	-2.589	-0.0033	-2.5 to 2.5	Pass
				40	NV	-0.544	-0.0007	-2.5 to 2.5	Pass
				50	NV	-3.433	-0.0044	-2.5 to 2.5	Pass
	782	25	0	20	LV	-2.217	-0.0028	-2.5 to 2.5	Pass
					NV	-2.389	-0.0031	-2.5 to 2.5	Pass
					HV	-5.150	-0.0066	-2.5 to 2.5	Pass
				-30	NV	-0.472	-0.0006	-2.5 to 2.5	Pass
				-20	NV	-0.801	-0.0010	-2.5 to 2.5	Pass
				-10	NV	-5.393	-0.0069	-2.5 to 2.5	Pass
				0	NV	-5.636	-0.0072	-2.5 to 2.5	Pass
				10	NV	-1.931	-0.0025	-2.5 to 2.5	Pass
				30	NV	-5.550	-0.0071	-2.5 to 2.5	Pass
				40	NV	-4.749	-0.0061	-2.5 to 2.5	Pass
				50	NV	-1.688	-0.0022	-2.5 to 2.5	Pass
	784.5	25	0	20	LV	-4.163	-0.0053	-2.5 to 2.5	Pass
					NV	0.401	0.0005	-2.5 to 2.5	Pass
					HV	-1.645	-0.0021	-2.5 to 2.5	Pass
				-30	NV	-1.459	-0.0019	-2.5 to 2.5	Pass
				-20	NV	-3.862	-0.0049	-2.5 to 2.5	Pass
				-10	NV	-7.281	-0.0093	-2.5 to 2.5	Pass
				0	NV	-2.618	-0.0033	-2.5 to 2.5	Pass
				10	NV	-0.801	-0.0010	-2.5 to 2.5	Pass
				30	NV	-1.001	-0.0013	-2.5 to 2.5	Pass
				40	NV	-2.618	-0.0033	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	LV	-2.460	-0.0032	-2.5 to 2.5	Pass
					NV	-4.935	-0.0063	-2.5 to 2.5	Pass
					HV	-0.343	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-5.164	-0.0066	-2.5 to 2.5	Pass
				-20	NV	0.286	0.0004	-2.5 to 2.5	Pass
				-10	NV	-5.307	-0.0068	-2.5 to 2.5	Pass
				0	NV	-2.289	-0.0029	-2.5 to 2.5	Pass
				10	NV	-1.101	-0.0014	-2.5 to 2.5	Pass
				30	NV	-2.675	-0.0034	-2.5 to 2.5	Pass
				40	NV	-5.565	-0.0071	-2.5 to 2.5	Pass
				50	NV	-2.575	-0.0033	-2.5 to 2.5	Pass
	782	25	0	20	LV	-3.347	-0.0043	-2.5 to 2.5	Pass
					NV	1.187	0.0015	-2.5 to 2.5	Pass
					HV	-2.031	-0.0026	-2.5 to 2.5	Pass
				-30	NV	-0.644	-0.0008	-2.5 to 2.5	Pass
				-20	NV	0.515	0.0007	-2.5 to 2.5	Pass
				-10	NV	2.332	0.0030	-2.5 to 2.5	Pass

				0	NV	1.001	0.0013	-2.5 to 2.5	Pass
				10	NV	-1.974	-0.0025	-2.5 to 2.5	Pass
				30	NV	-0.515	-0.0007	-2.5 to 2.5	Pass
				40	NV	-1.745	-0.0022	-2.5 to 2.5	Pass
				50	NV	0.229	0.0003	-2.5 to 2.5	Pass
	784.5	25	0	20	LV	-2.661	-0.0034	-2.5 to 2.5	Pass
					NV	-5.121	-0.0065	-2.5 to 2.5	Pass
					HV	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	NV	-4.406	-0.0056	-2.5 to 2.5	Pass
				-20	NV	-5.836	-0.0074	-2.5 to 2.5	Pass
				-10	NV	-3.090	-0.0039	-2.5 to 2.5	Pass
				0	NV	-5.836	-0.0074	-2.5 to 2.5	Pass
				10	NV	-1.230	-0.0016	-2.5 to 2.5	Pass
				30	NV	-1.688	-0.0022	-2.5 to 2.5	Pass
				40	NV	-5.150	-0.0066	-2.5 to 2.5	Pass
				50	NV	-4.148	-0.0053	-2.5 to 2.5	Pass

2.1.2 B13_10MHz

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	LV	0.358	0.0005	-2.5 to 2.5	Pass
					NV	-4.406	-0.0056	-2.5 to 2.5	Pass
					HV	-2.747	-0.0035	-2.5 to 2.5	Pass
				-30	NV	-3.791	-0.0048	-2.5 to 2.5	Pass
				-20	NV	-3.948	-0.0050	-2.5 to 2.5	Pass
				-10	NV	-4.892	-0.0063	-2.5 to 2.5	Pass
				0	NV	-2.017	-0.0026	-2.5 to 2.5	Pass
				10	NV	-4.463	-0.0057	-2.5 to 2.5	Pass
				30	NV	-1.159	-0.0015	-2.5 to 2.5	Pass
				40	NV	-3.319	-0.0042	-2.5 to 2.5	Pass
				50	NV	-3.576	-0.0046	-2.5 to 2.5	Pass
16QAM	782	50	0	20	LV	-2.375	-0.0030	-2.5 to 2.5	Pass
					NV	-3.147	-0.0040	-2.5 to 2.5	Pass
					HV	-4.320	-0.0055	-2.5 to 2.5	Pass
				-30	NV	-2.861	-0.0037	-2.5 to 2.5	Pass
				-20	NV	-2.089	-0.0027	-2.5 to 2.5	Pass
				-10	NV	-2.761	-0.0035	-2.5 to 2.5	Pass
				0	NV	-3.691	-0.0047	-2.5 to 2.5	Pass
				10	NV	-3.834	-0.0049	-2.5 to 2.5	Pass
				30	NV	-2.389	-0.0031	-2.5 to 2.5	Pass
				40	NV	-5.093	-0.0065	-2.5 to 2.5	Pass
				50	NV	-5.765	-0.0074	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

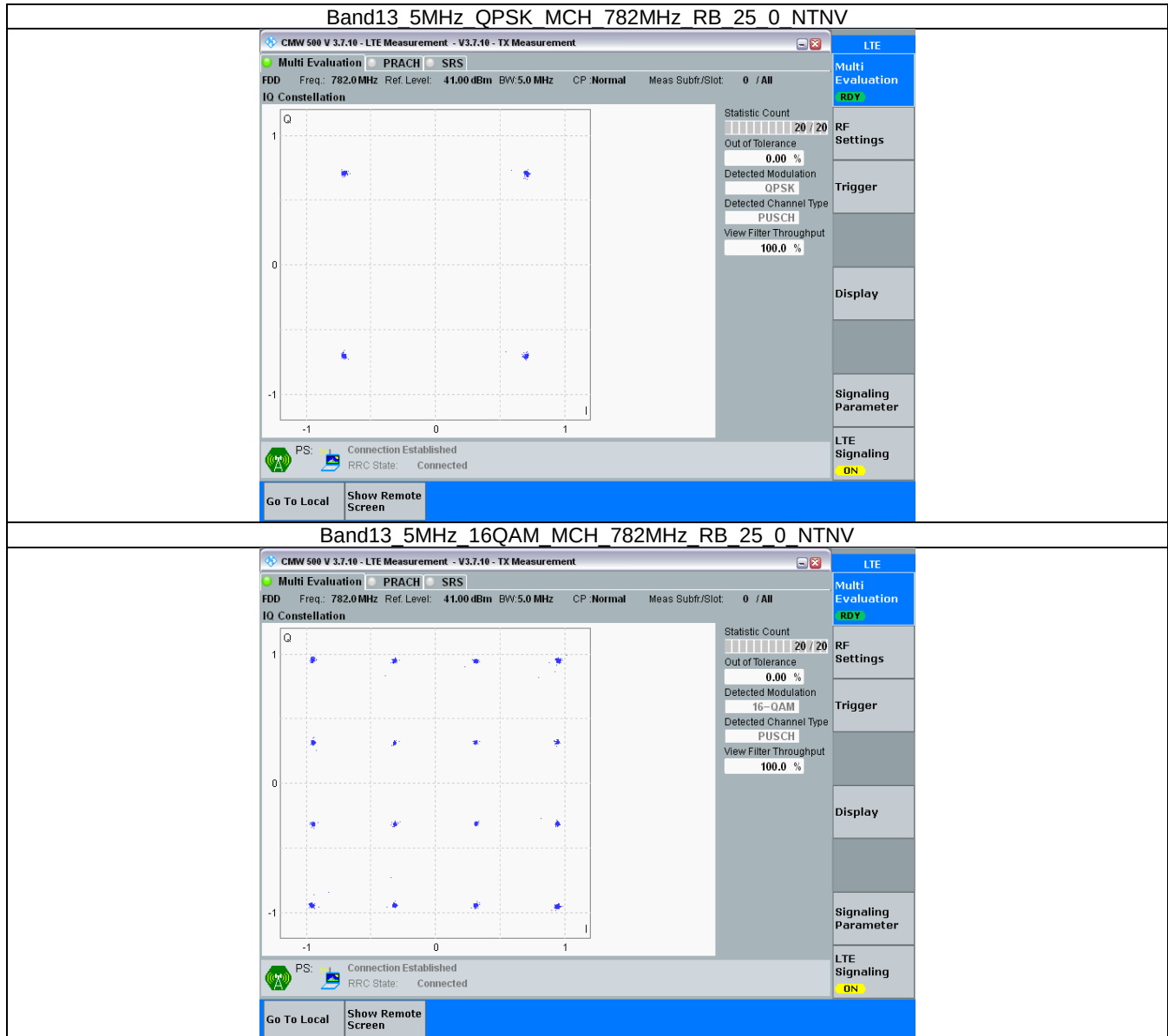
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

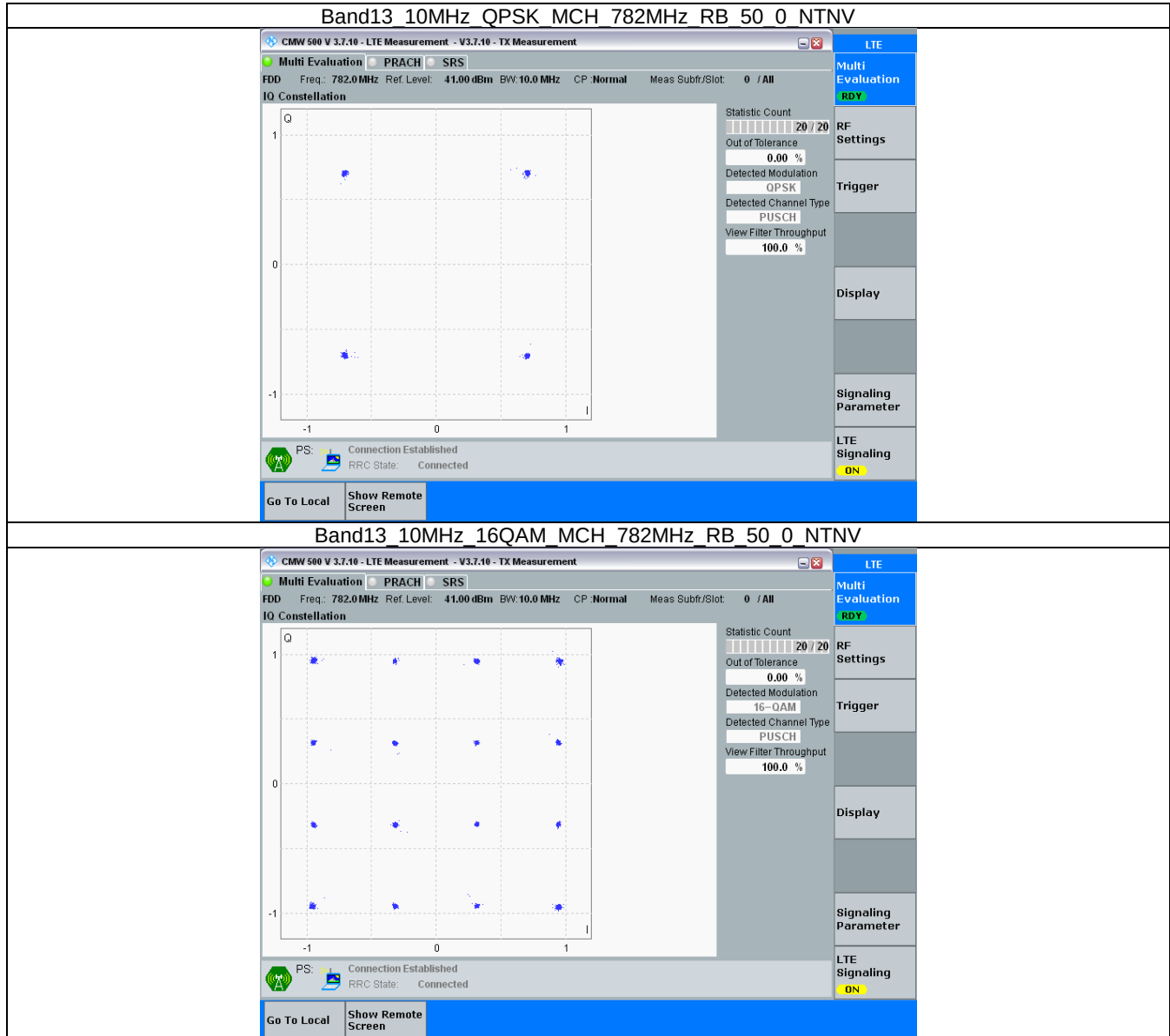
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

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

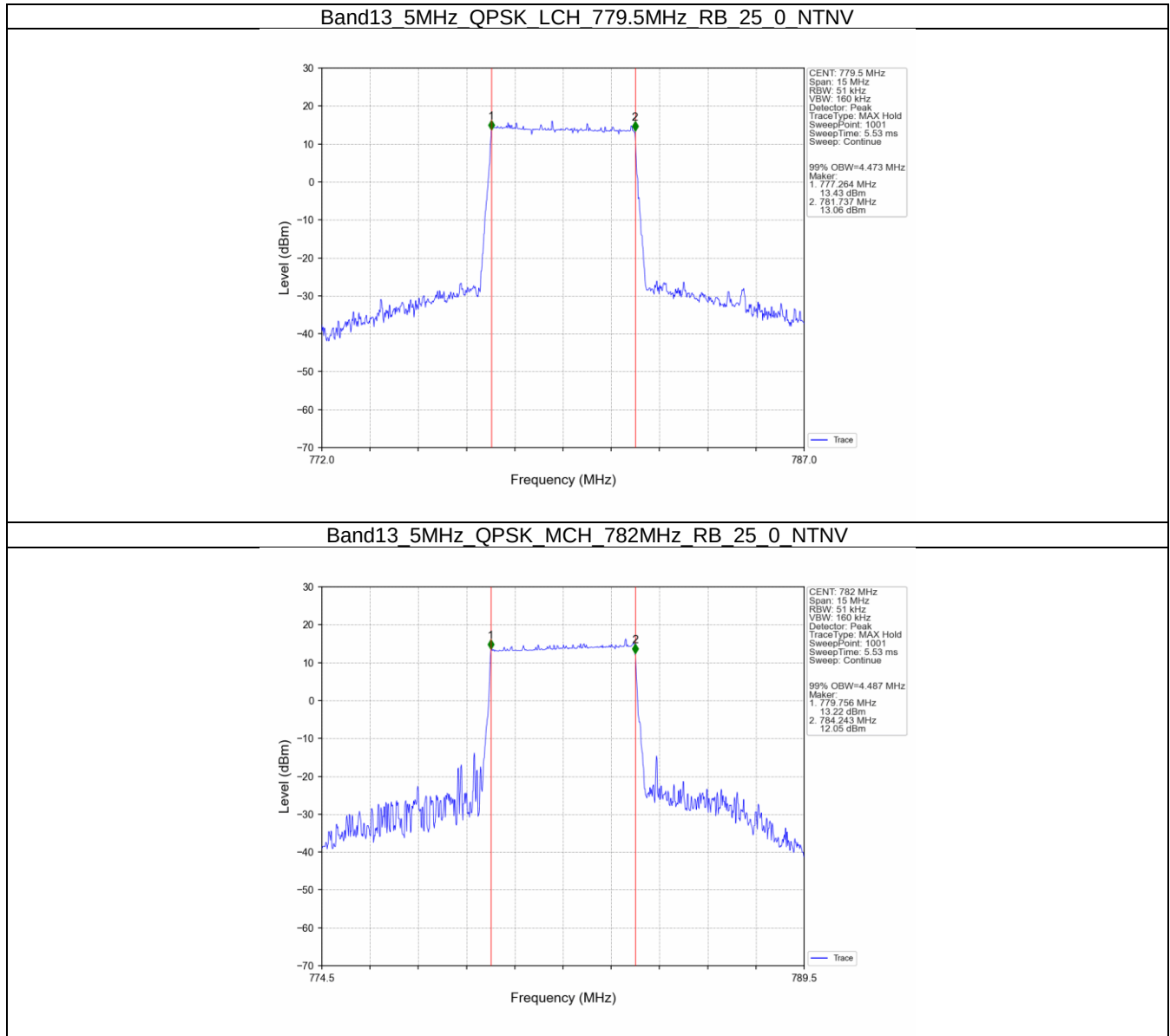
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.473	/	Pass
		782	25	0	4.487	/	Pass
		784.5	25	0	4.475	/	Pass
	16QAM	779.5	25	0	4.484	/	Pass
		782	25	0	4.464	/	Pass
		784.5	25	0	4.466	/	Pass
10	QPSK	782	50	0	8.951	/	Pass
	16QAM	782	50	0	8.955	/	Pass

4.1.2 Band13_XDB

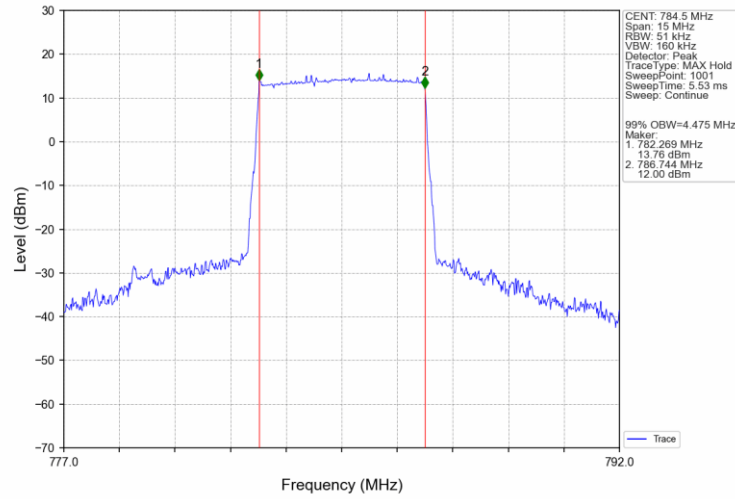
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.842	/	Pass
		782	25	0	4.829	/	Pass
		784.5	25	0	4.840	/	Pass
	16QAM	779.5	25	0	4.862	/	Pass
		782	25	0	4.846	/	Pass
		784.5	25	0	4.788	/	Pass
10	QPSK	782	50	0	9.588	/	Pass
	16QAM	782	50	0	9.537	/	Pass

4.2 Test Graph

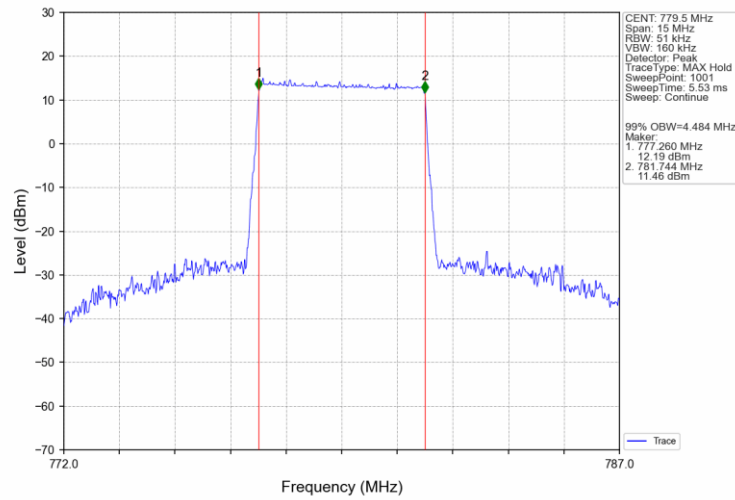
4.2.1 Band13_OBW



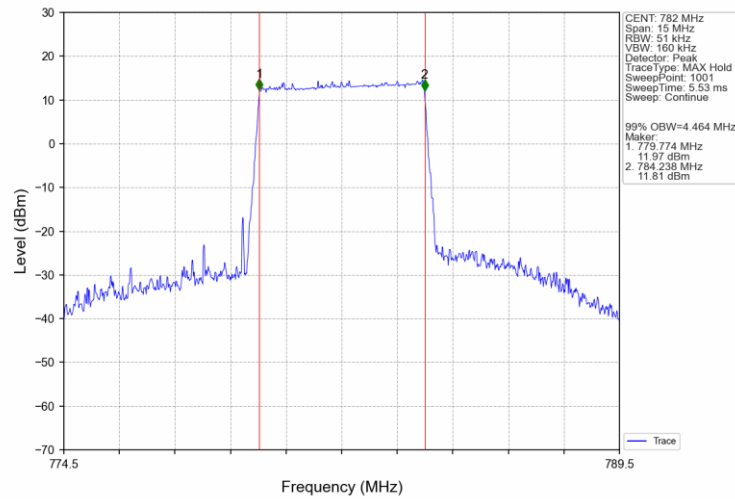
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



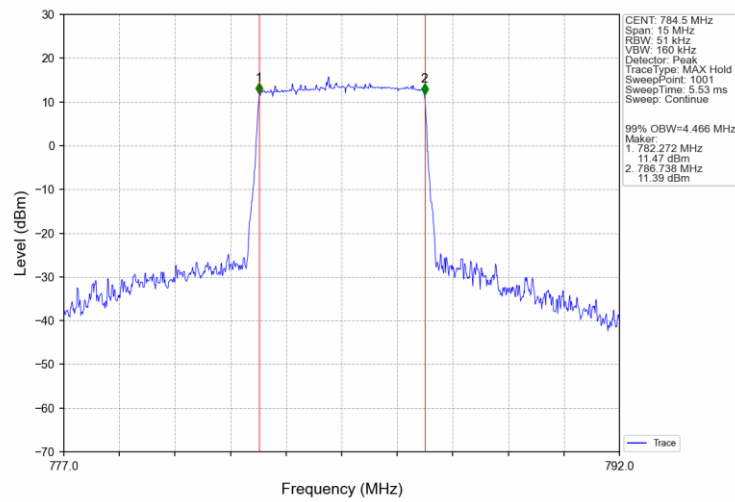
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



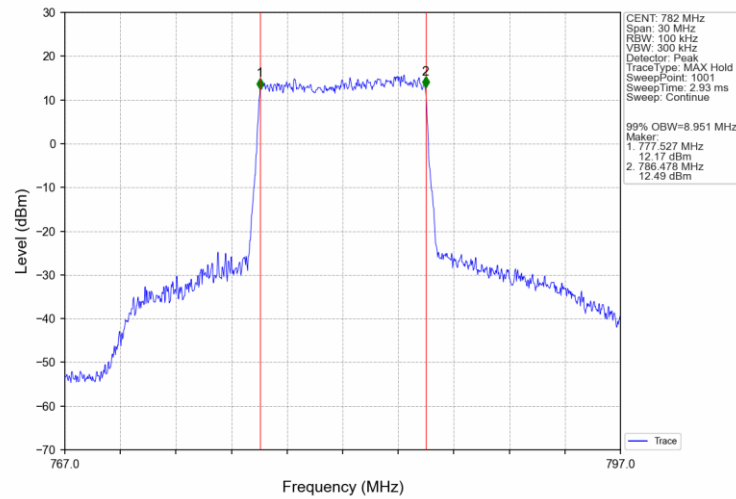
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTV



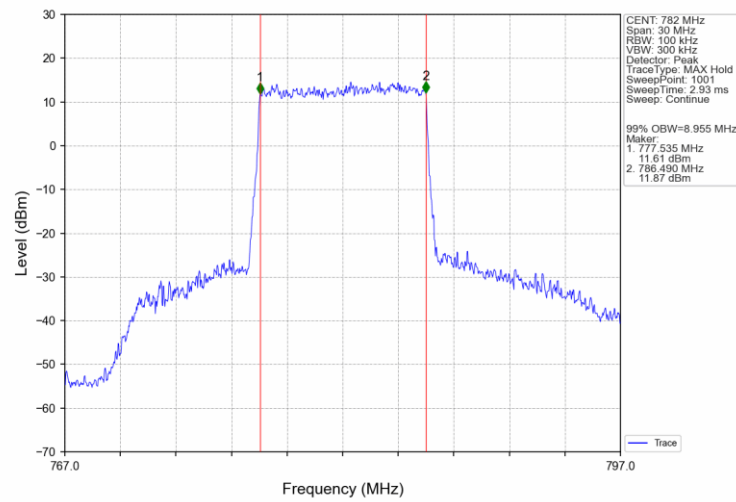
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTV



Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN

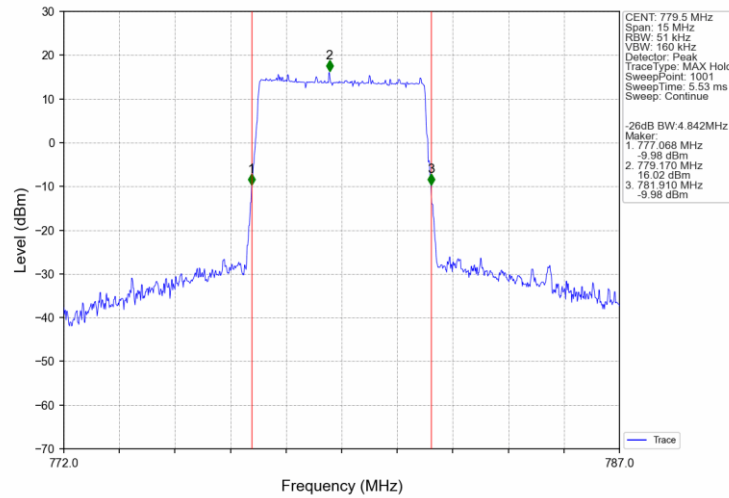


Band13 10MHz 16QAM MCH 782MHz RB 50 0 NTN

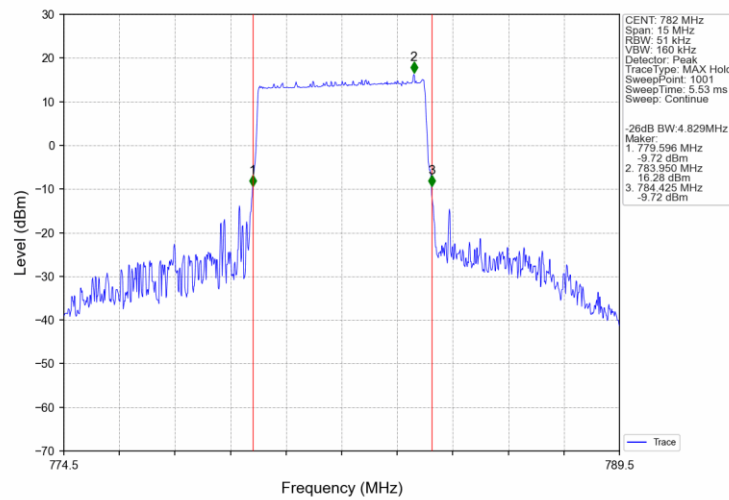


4.2.2 Band13_XDB

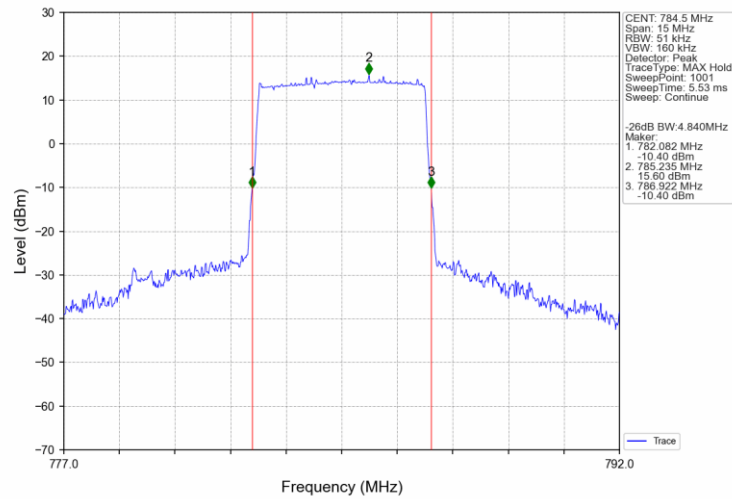
Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTNV



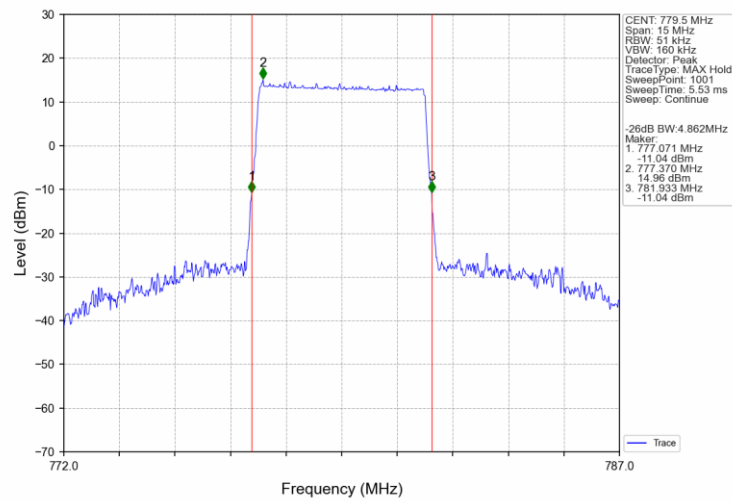
Band13 5MHz QPSK MCH 782MHz RB 25 0 NTNV



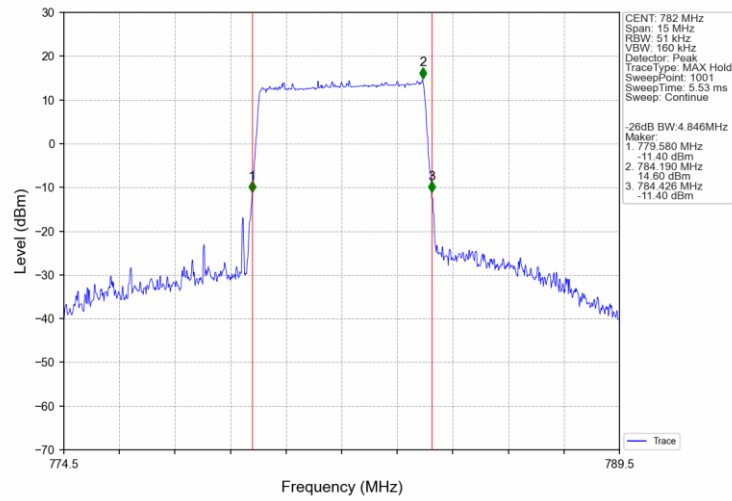
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



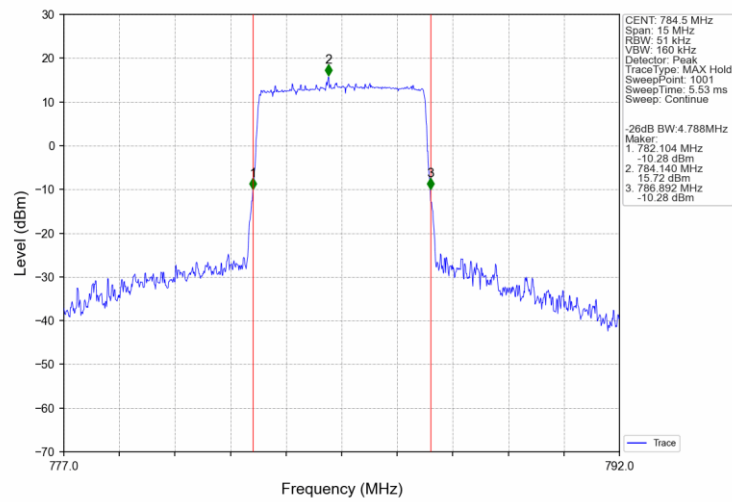
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



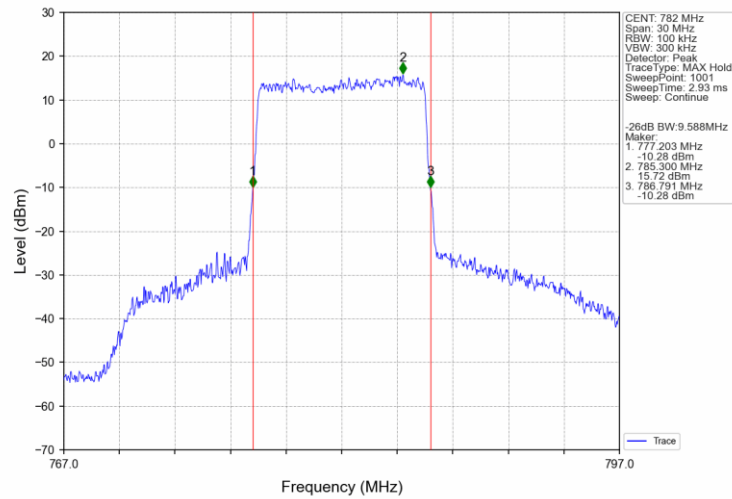
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



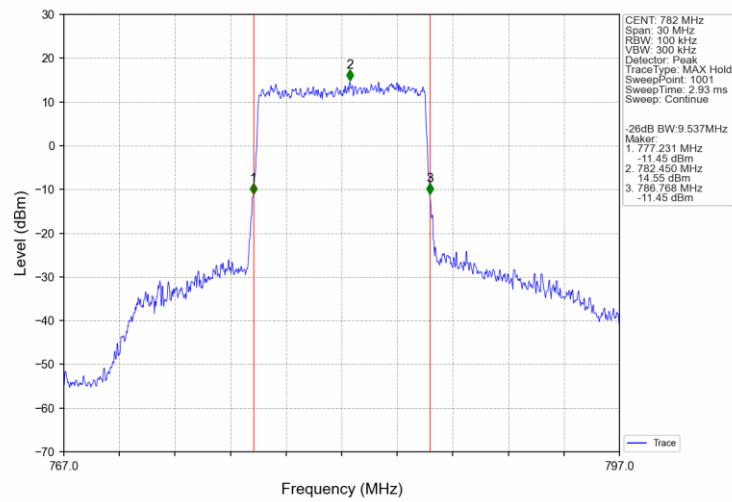
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN



Band13 10MHz 16QAM MCH 782MHz RB 50 0 NTN



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

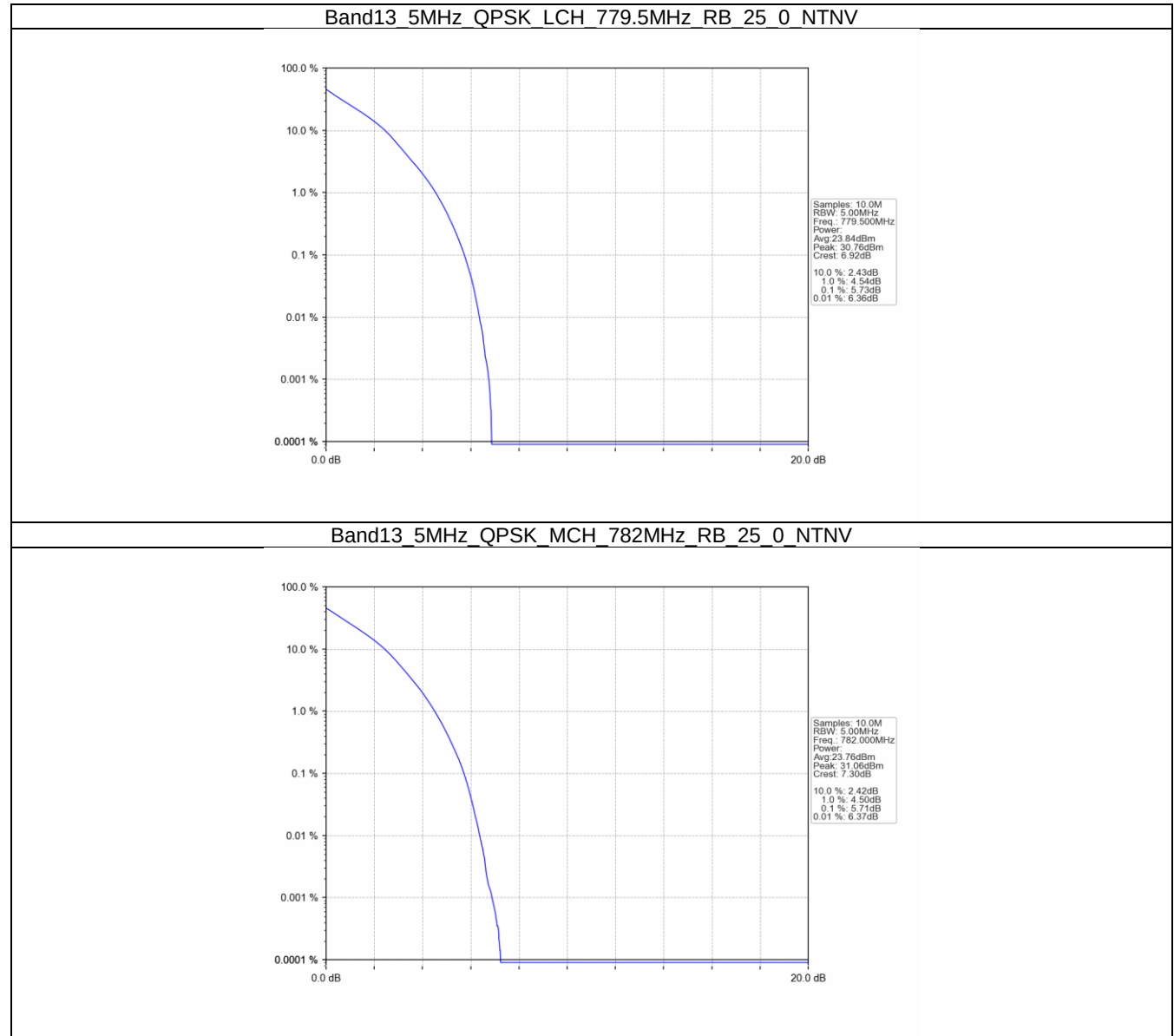
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.73	<=13	Pass
	782	25	0	5.71	<=13	Pass
	784.5	25	0	5.53	<=13	Pass
16QAM	779.5	25	0	6.42	<=13	Pass
	782	25	0	6.37	<=13	Pass
	784.5	25	0	6.17	<=13	Pass

5.1.2 B13_10MHz

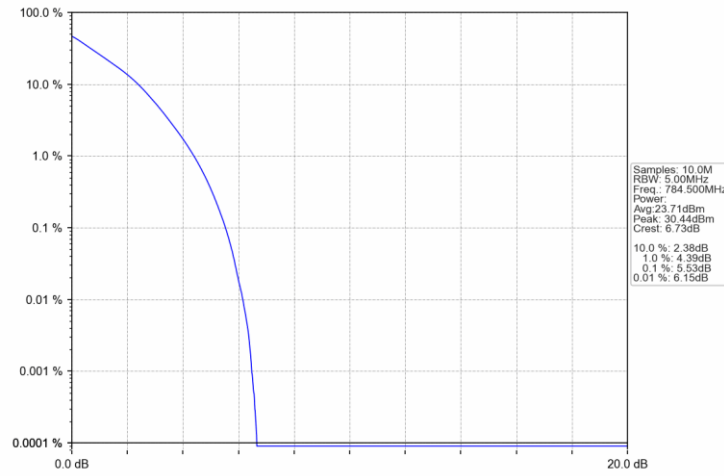
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.59	<=13	Pass
16QAM	782	50	0	6.32	<=13	Pass

5.2 Test Graph

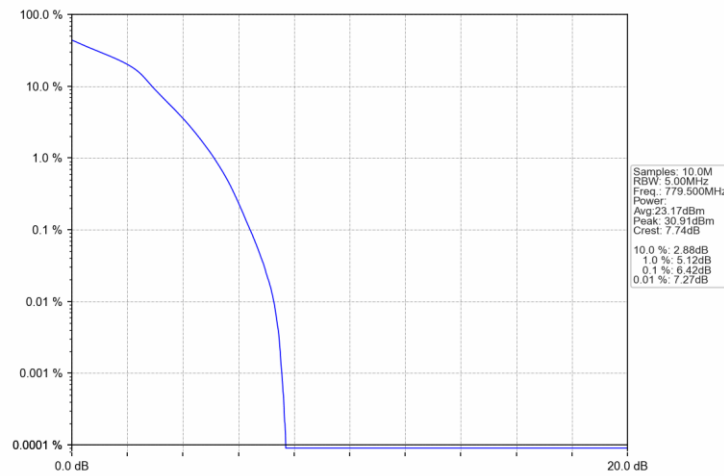
5.2.1 B13_5MHz



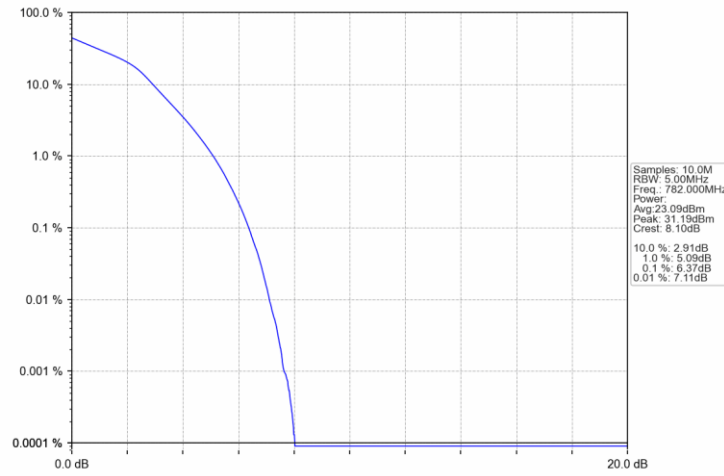
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



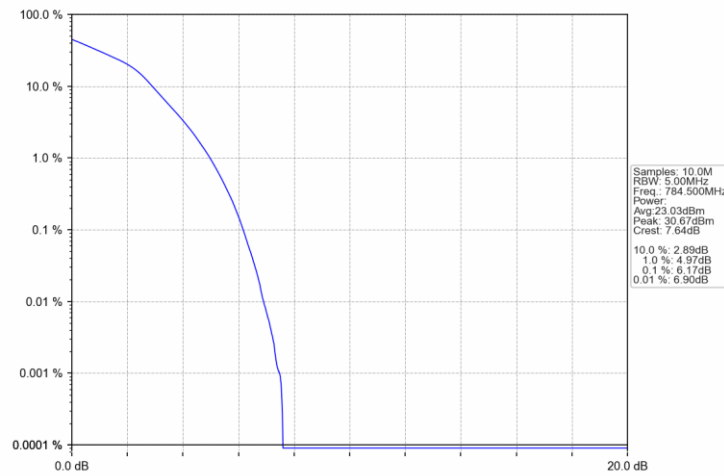
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

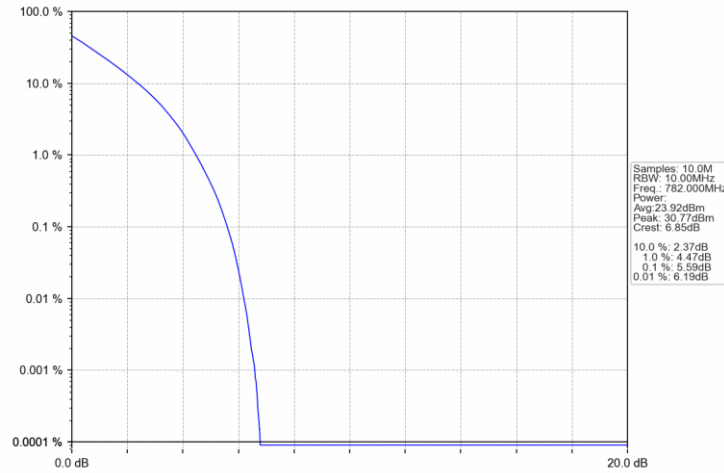


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

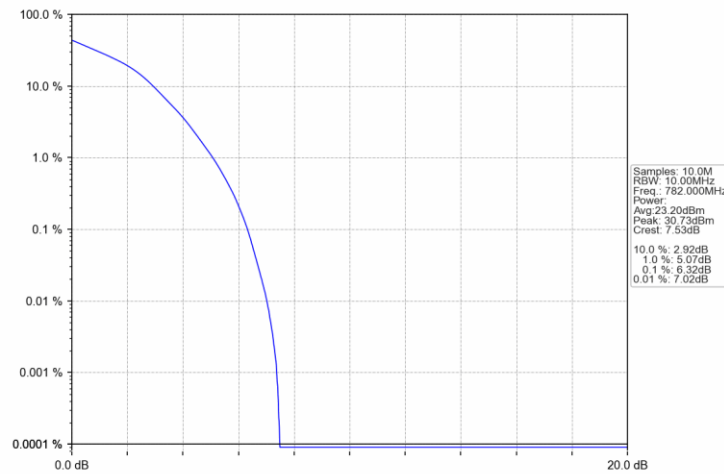


5.2.2 B13_10MHz

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B13_5MHz

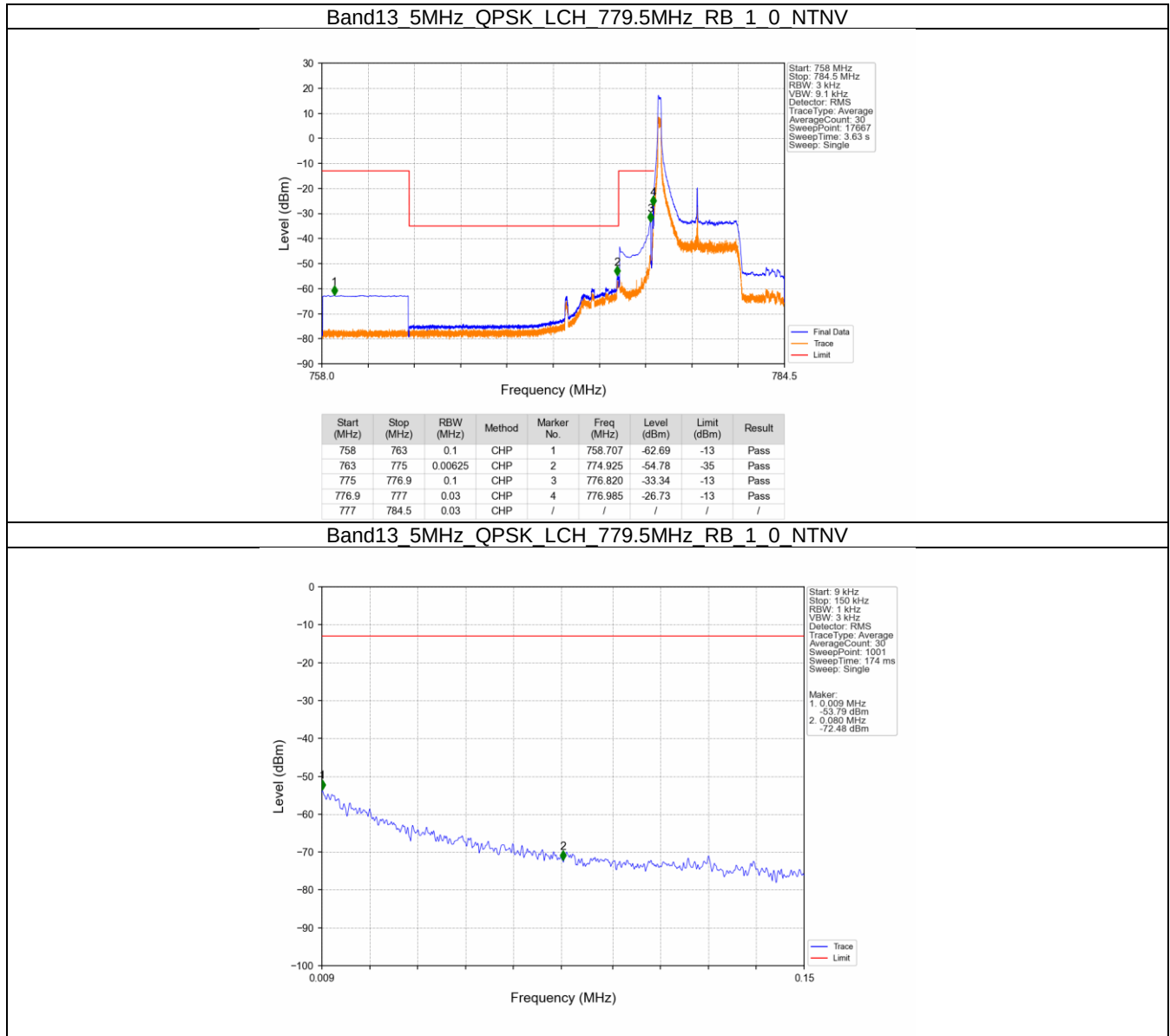
Band: 13 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

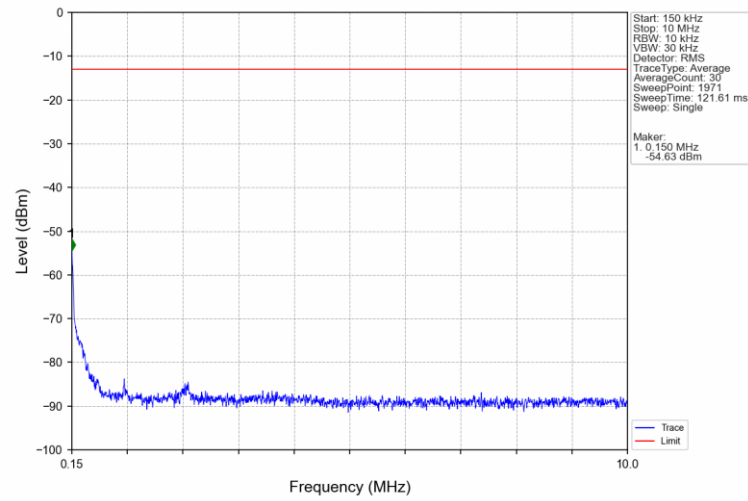
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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

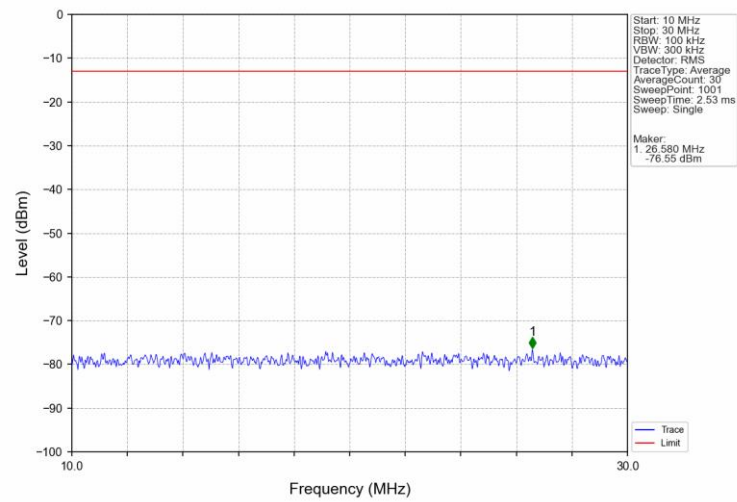
6.2.1 B13_5MHz



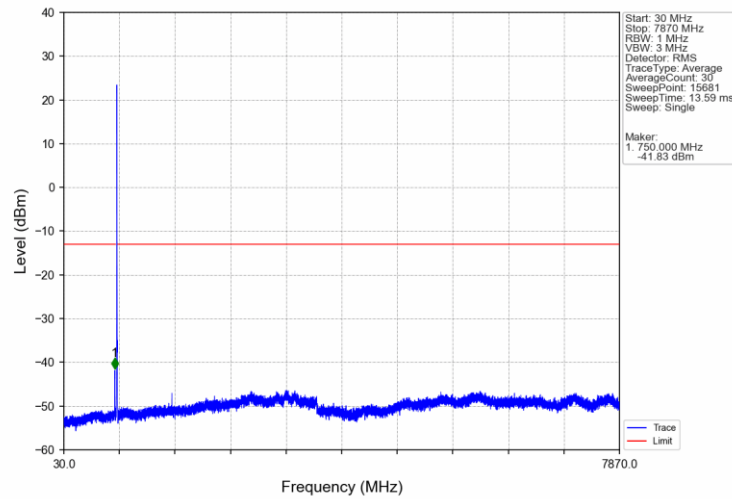
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN



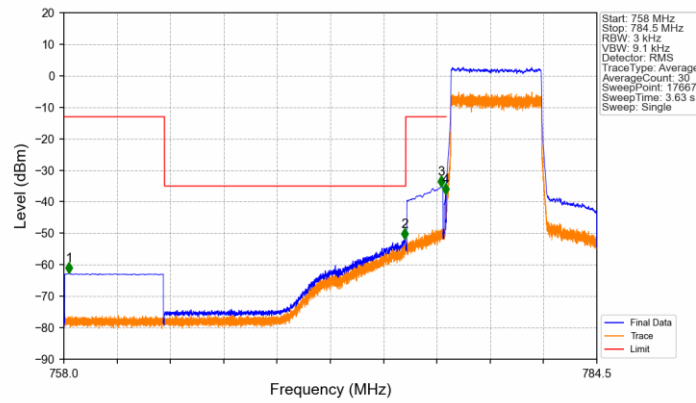
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0 NTN



Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTNV

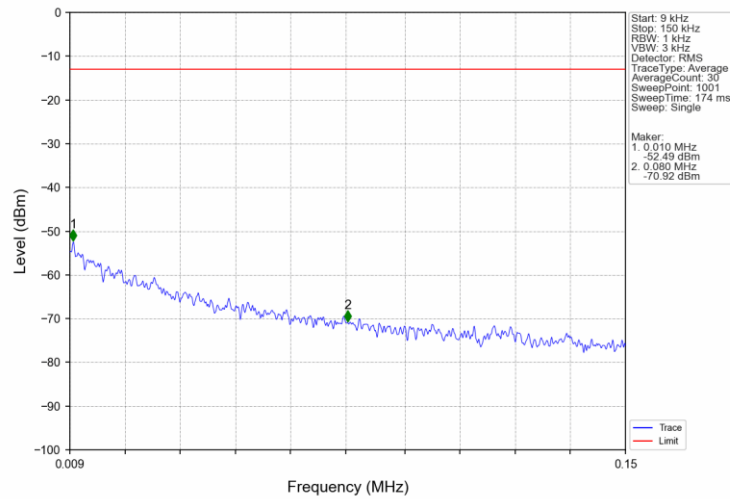


Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTNV

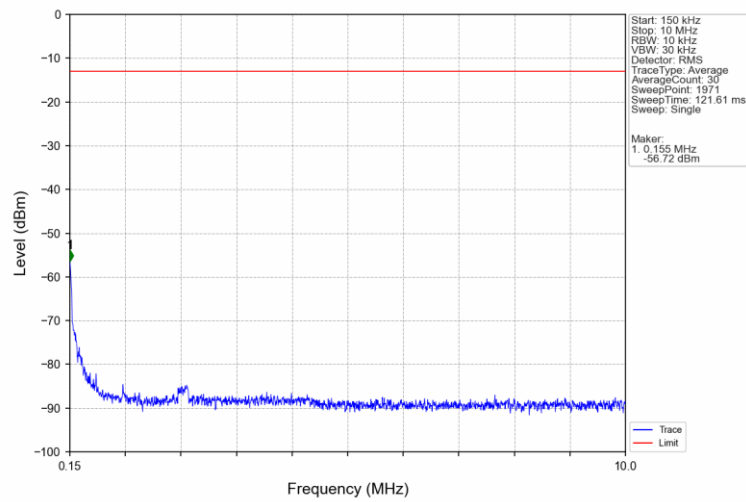


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.258	-62.74	-13	Pass
763	775	0.00625	CHP	2	774.948	-51.87	-35	Pass
775	776.9	0.1	CHP	3	776.773	-35.30	-13	Pass
776.9	777	0.03	CHP	4	776.985	-37.55	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

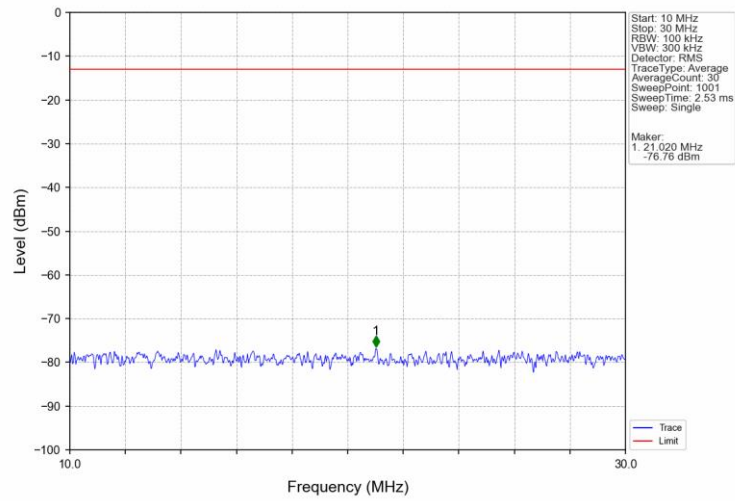
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



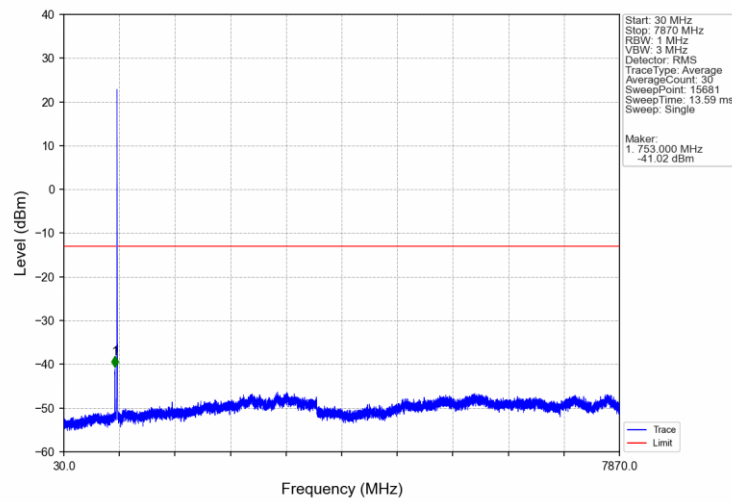
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



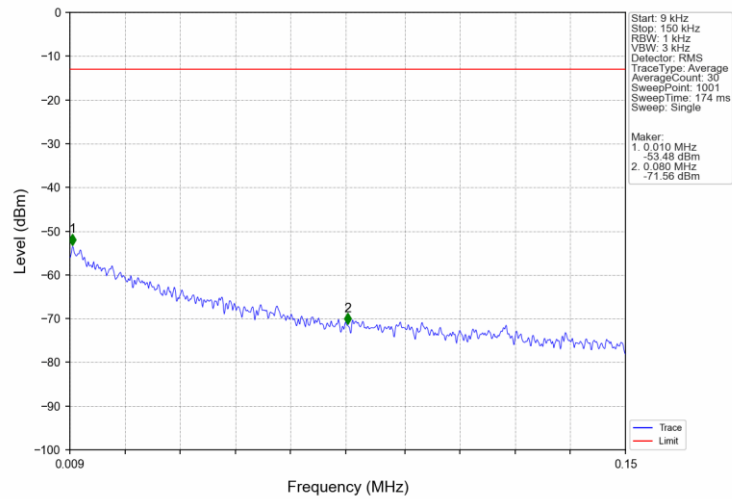
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



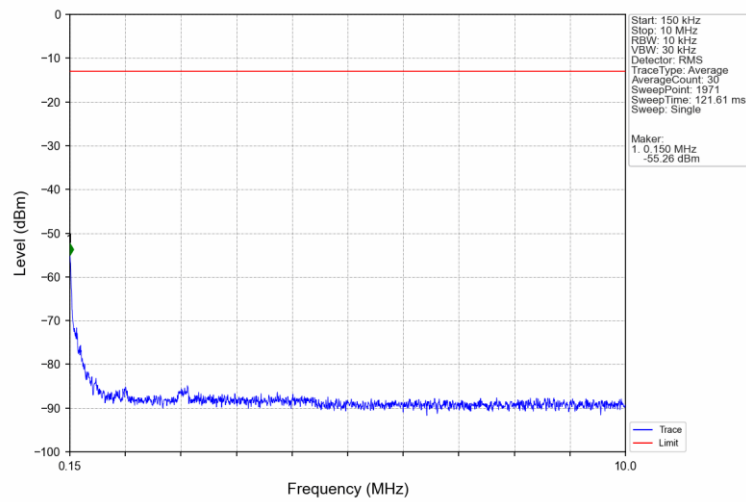
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



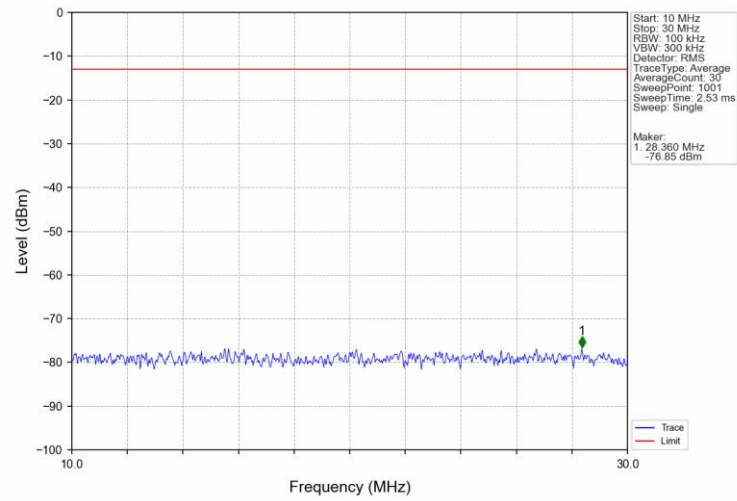
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



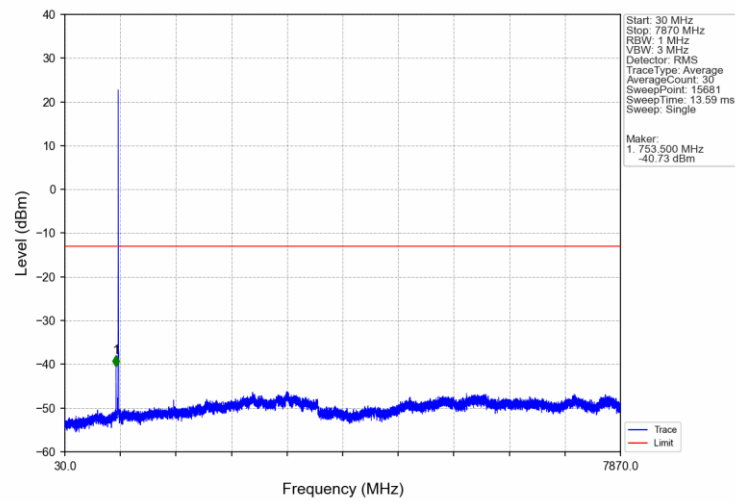
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



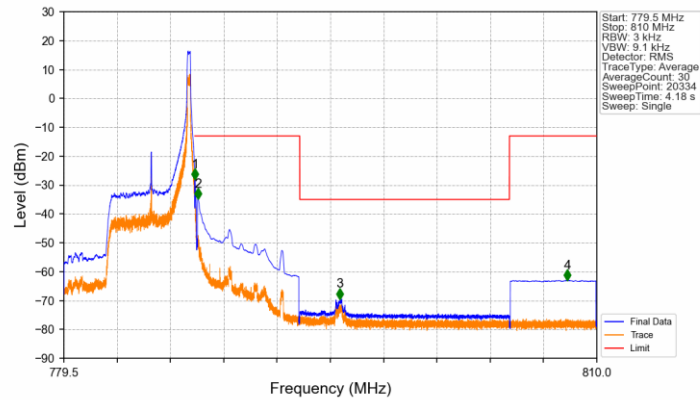
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN

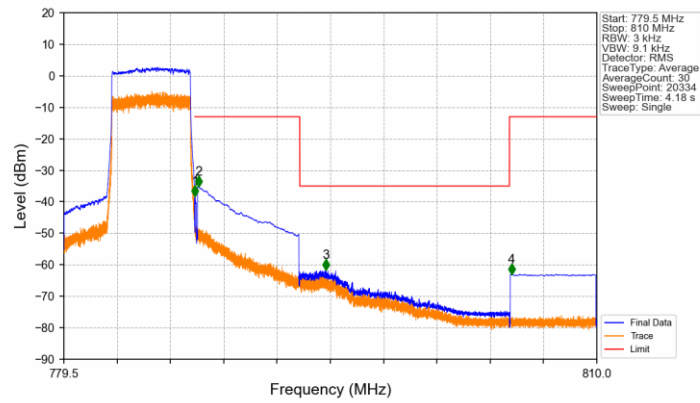


Band13 5MHz QPSK HCH 784.5MHz RB 1 24 NTV



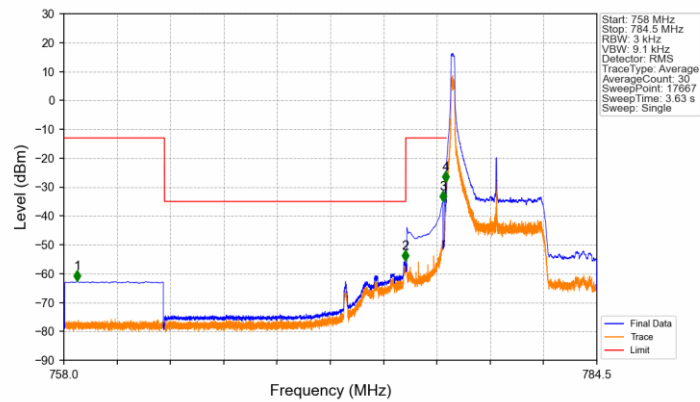
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.015	-28.00	-13	Pass
787.1	793	0.1	CHP	2	787.177	-34.80	-13	Pass
793	805	0.00625	CHP	3	795.307	-69.50	-35	Pass
805	810	0.1	CHP	4	808.321	-62.96	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV

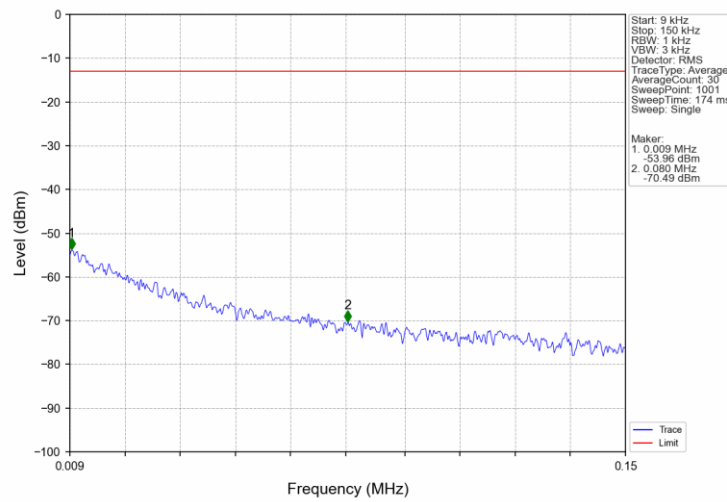


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.015	-38.30	-13	Pass
787.1	793	0.1	CHP	2	787.206	-35.28	-13	Pass
793	805	0.00625	CHP	3	794.494	-61.67	-35	Pass
805	810	0.1	CHP	4	805.132	-63.06	-13	Pass

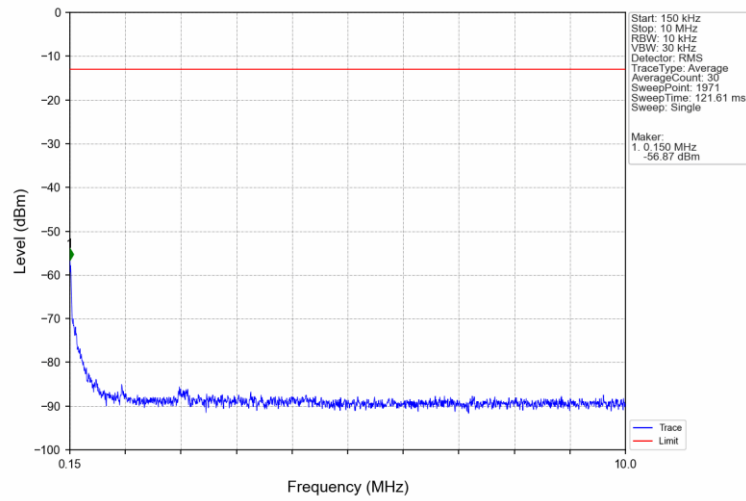
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



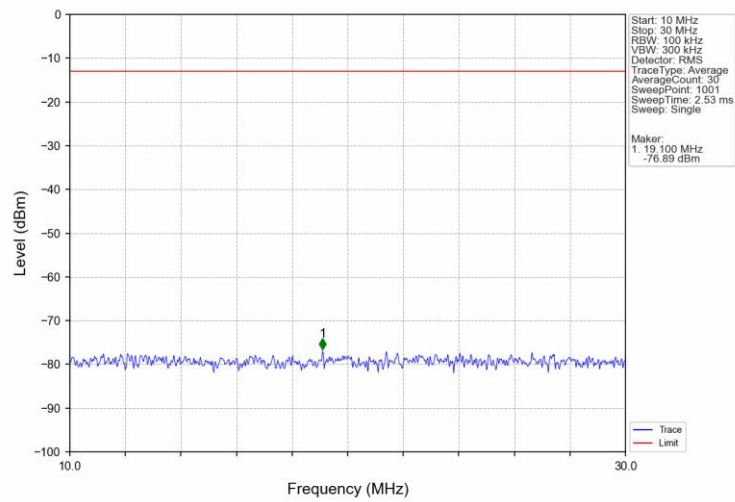
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



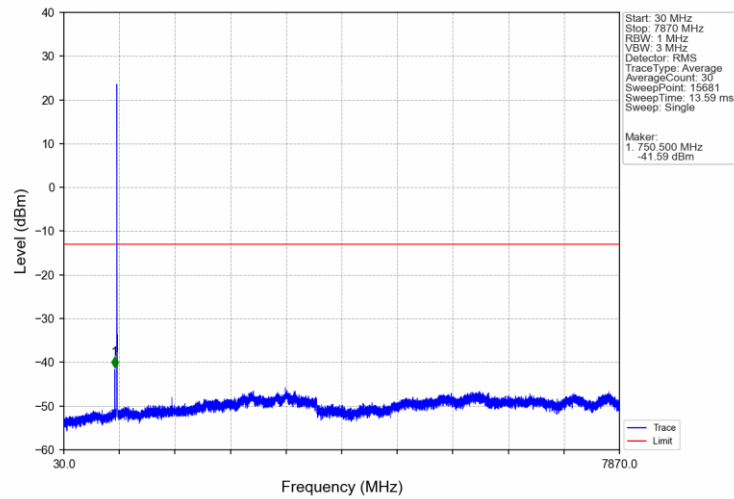
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



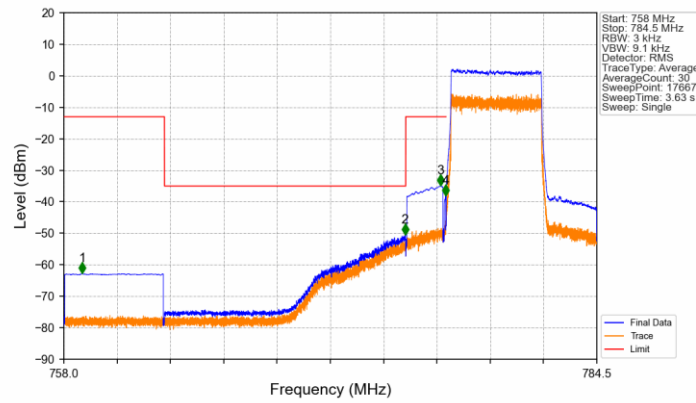
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV

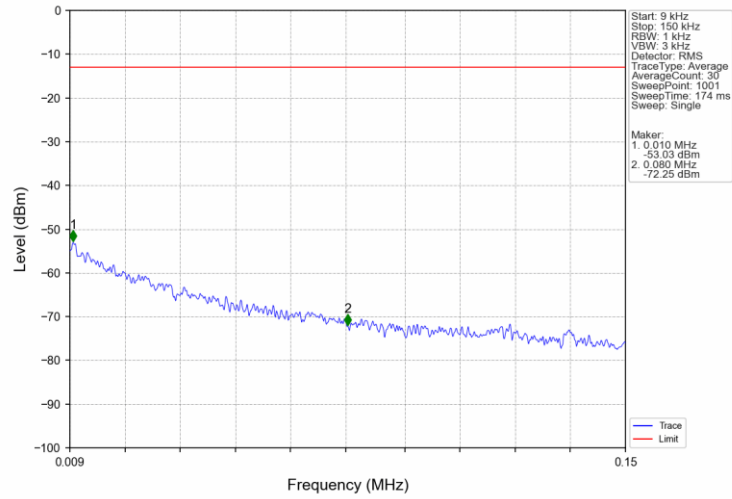


Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV

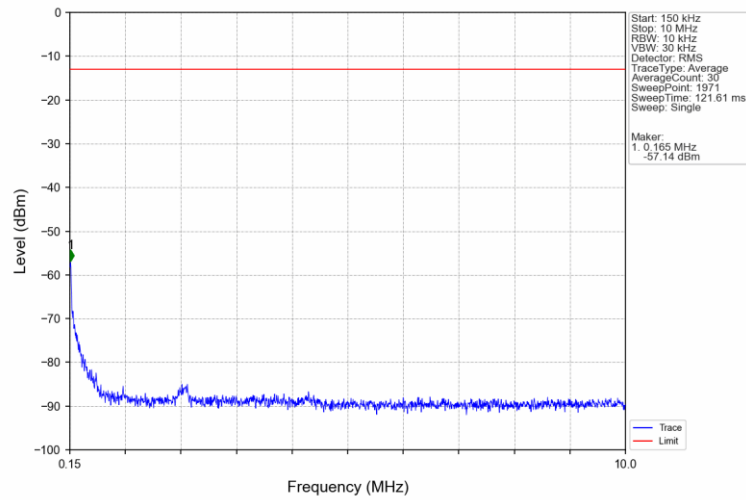


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.917	-62.78	-13	Pass
763	775	0.00625	CHP	2	774.963	-50.46	-35	Pass
775	776.9	0.1	CHP	3	776.745	-34.93	-13	Pass
776.9	777	0.03	CHP	4	776.985	-38.01	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

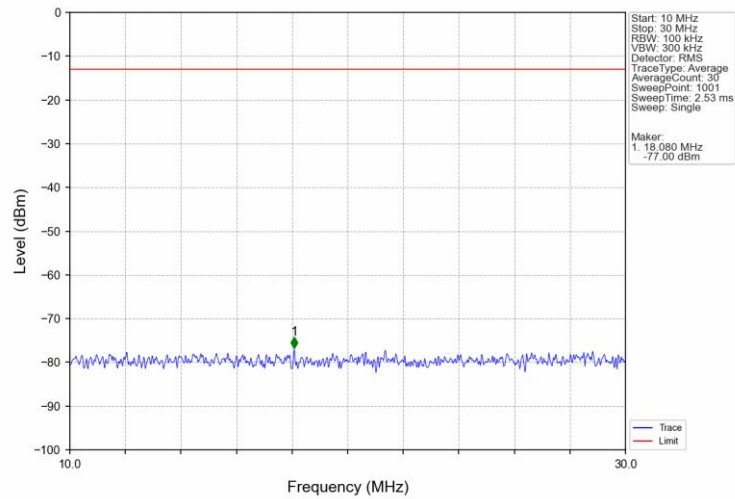
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



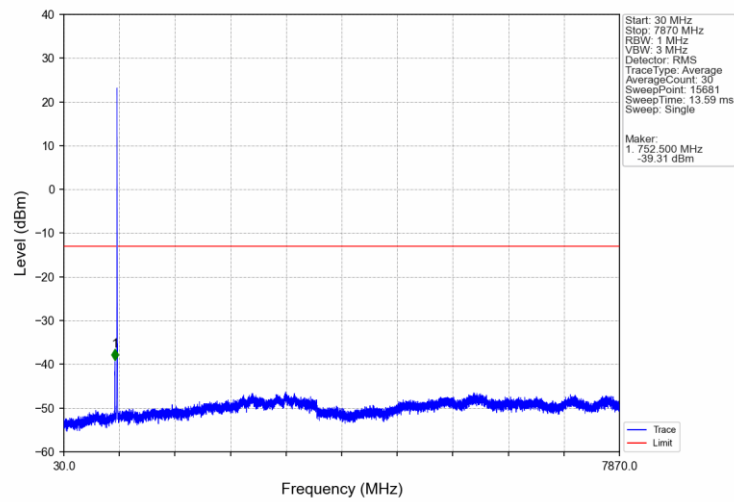
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



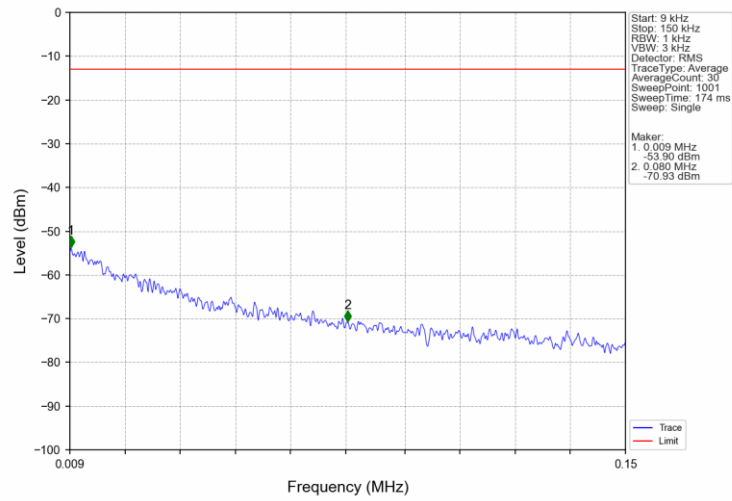
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



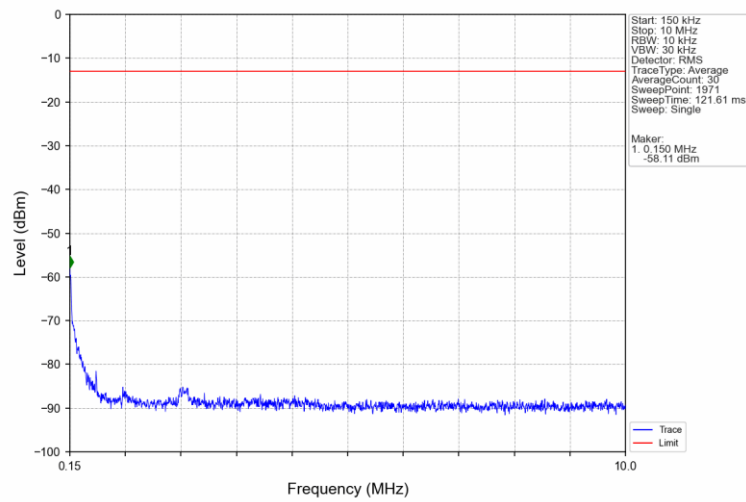
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



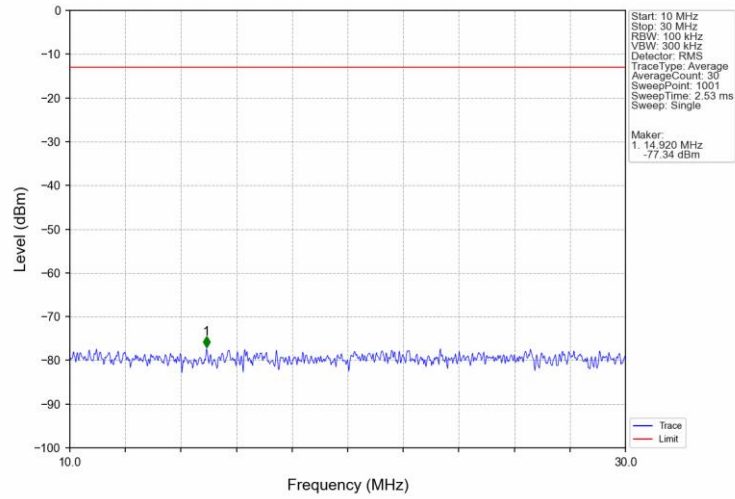
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



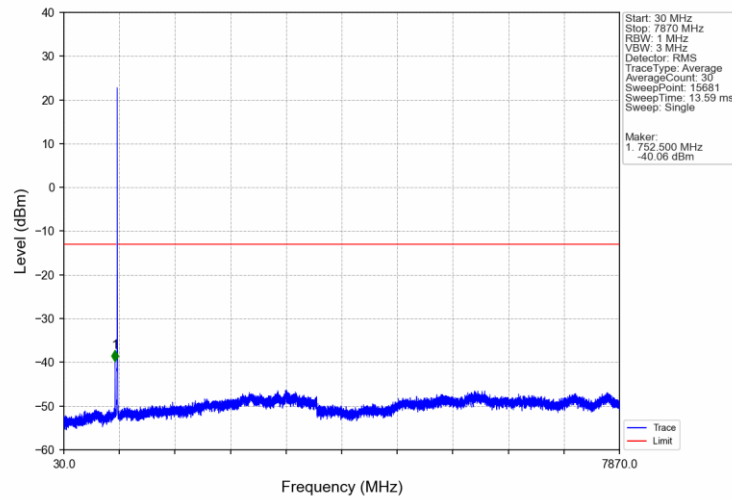
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



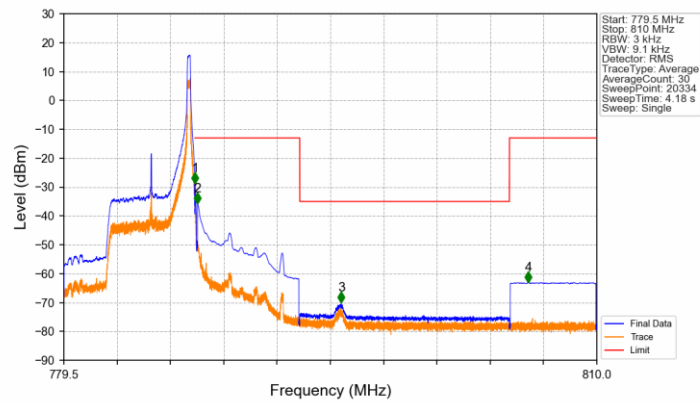
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTNV



Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTNV

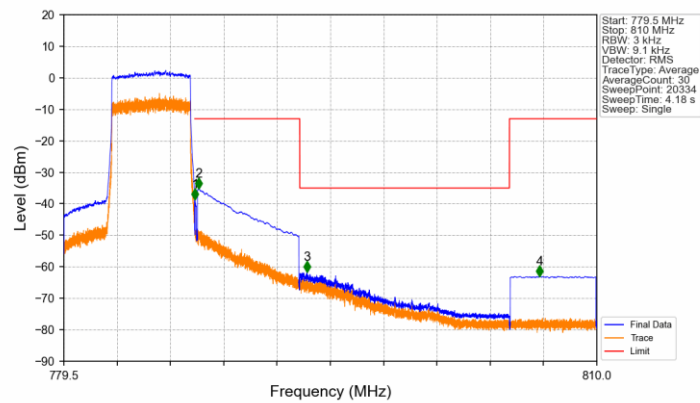


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.015	-28.76	-13	Pass
787.1	793	0.1	CHP	2	787.150	-35.75	-13	Pass
793	805	0.00625	CHP	3	795.381	-70.04	-35	Pass
805	810	0.1	CHP	4	806.088	-63.07	-13	Pass

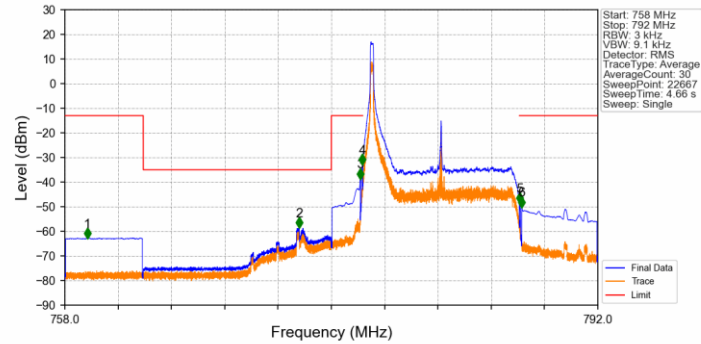
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



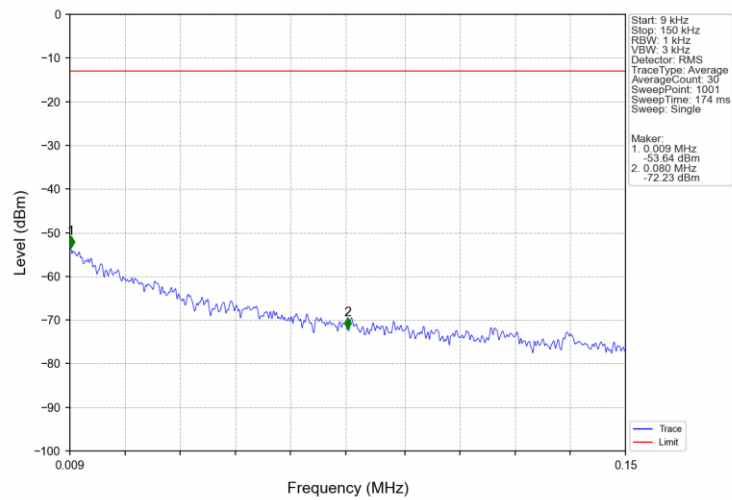
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.015	-38.57	-13	Pass
787.1	793	0.1	CHP	2	787.231	-35.31	-13	Pass
793	805	0.00625	CHP	3	793.417	-61.77	-35	Pass
805	810	0.1	CHP	4	806.725	-63.06	-13	Pass

6.2.2 B13_10MHz

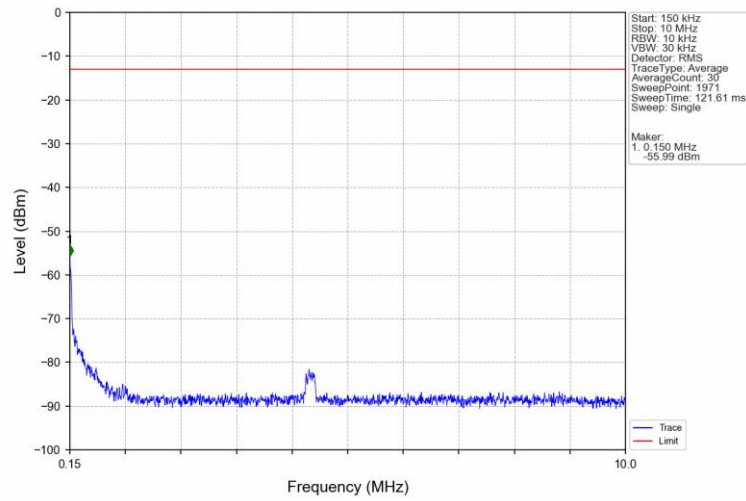
Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN



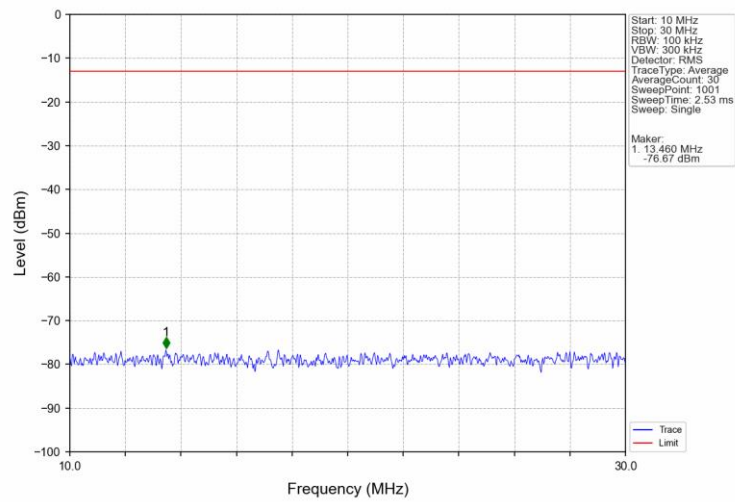
Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN



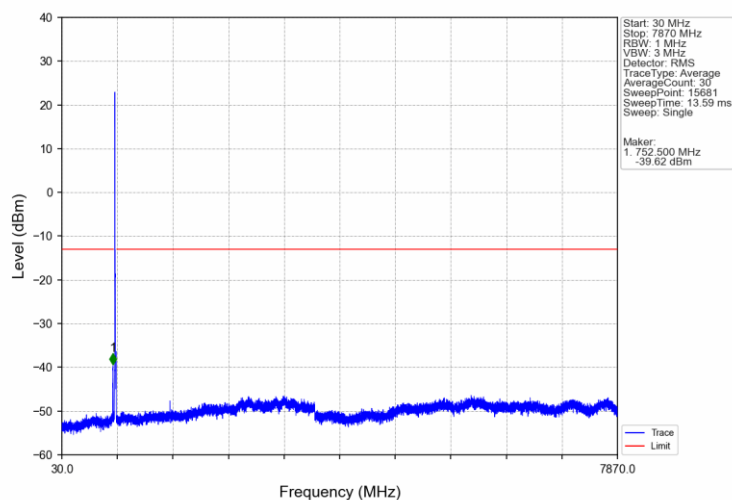
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



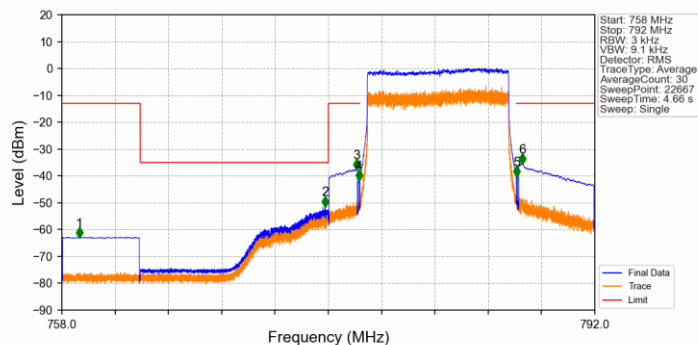
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

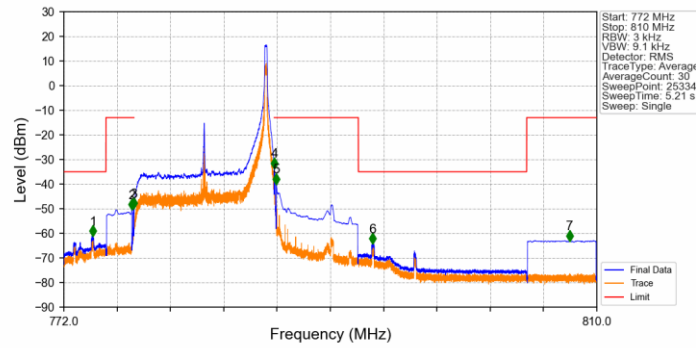


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



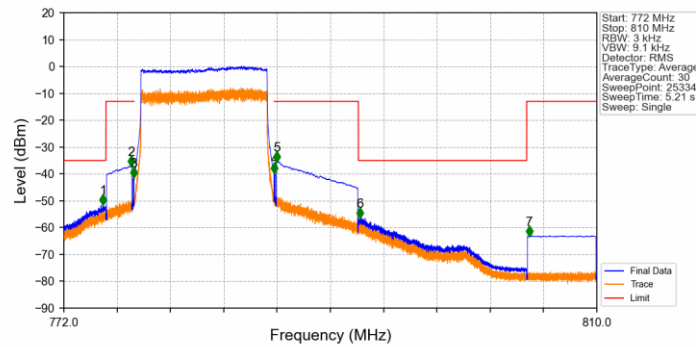
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.122	-62.80	-13	Pass
763	775	0.00625	CHP	2	774.791	-51.23	-35	Pass
775	776.9	0.1	CHP	3	776.800	-37.43	-13	Pass
776.9	777	0.03	CHP	4	776.970	-41.41	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.021	-40.10	-13	Pass
787.1	792	0.1	CHP	6	787.377	-35.42	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTNV



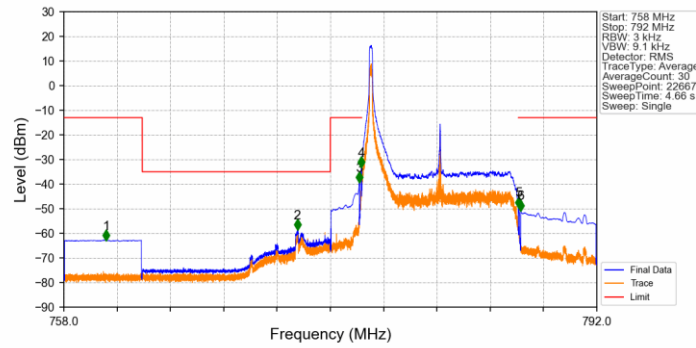
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.082	-60.99	-35	Pass
775	776.9	0.1	CHP	2	776.850	-50.19	-13	Pass
776.9	777	0.03	CHP	3	776.985	-49.55	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.015	-33.35	-13	Pass
787.1	793	0.1	CHP	5	787.150	-39.73	-13	Pass
793	805	0.00625	CHP	6	793.993	-63.98	-35	Pass
805	810	0.1	CHP	7	808.077	-62.86	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 50 0 NTNV

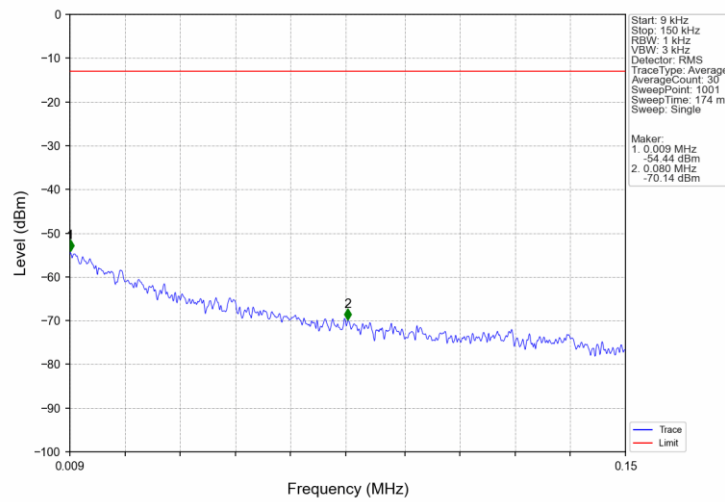


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.790	-51.42	-35	Pass
775	776.9	0.1	CHP	2	776.799	-37.01	-13	Pass
776.9	777	0.03	CHP	3	776.979	-41.19	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.015	-39.59	-13	Pass
787.1	793	0.1	CHP	5	787.176	-35.43	-13	Pass
793	805	0.00625	CHP	6	793.122	-56.23	-35	Pass
805	810	0.1	CHP	7	805.204	-63.05	-13	Pass

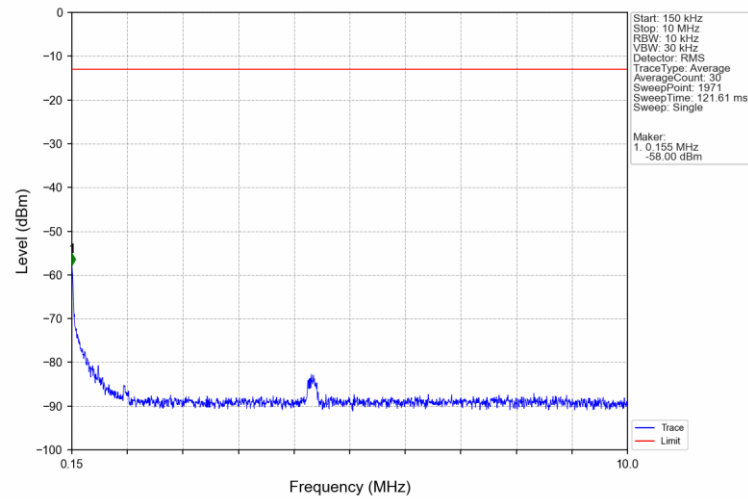
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



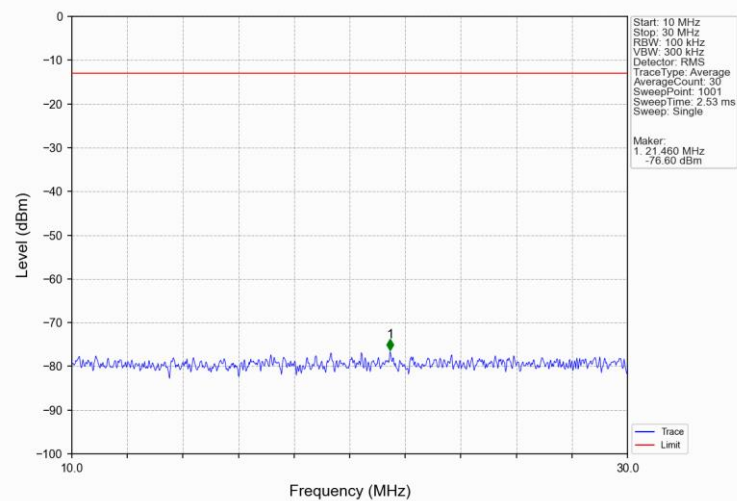
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



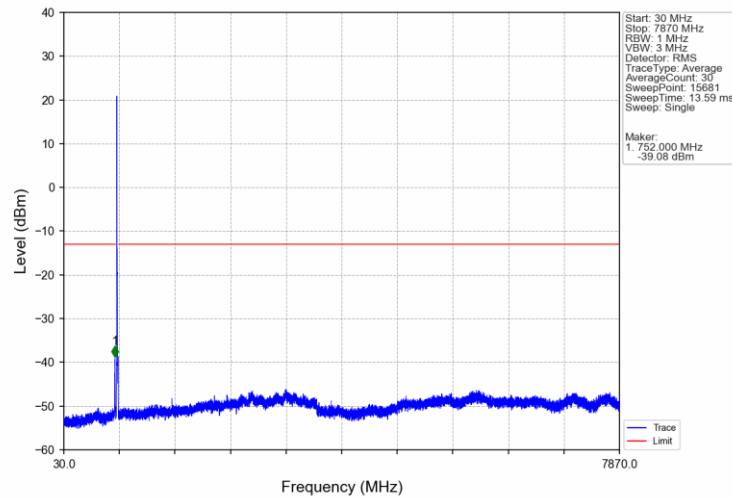
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



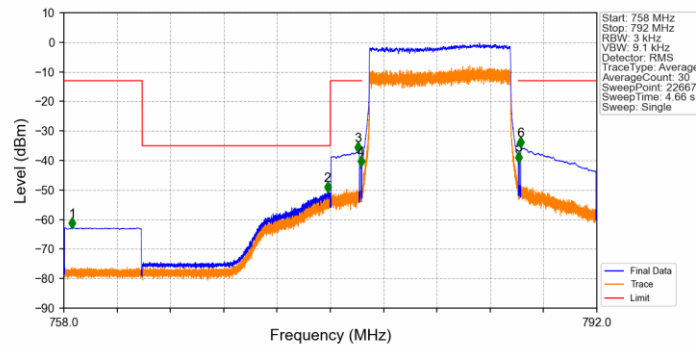
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTN

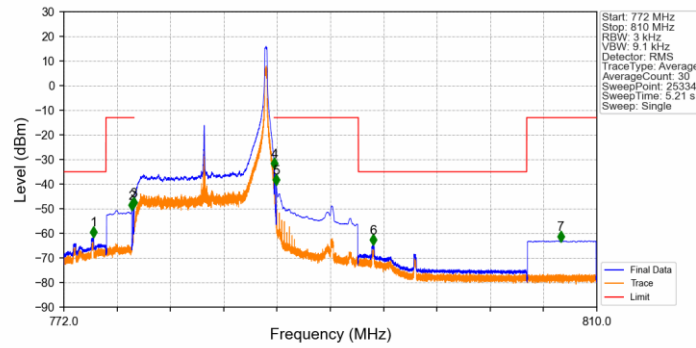


Band13 10MHz 16QAM LCH 782MHz RB 50 0 NTN



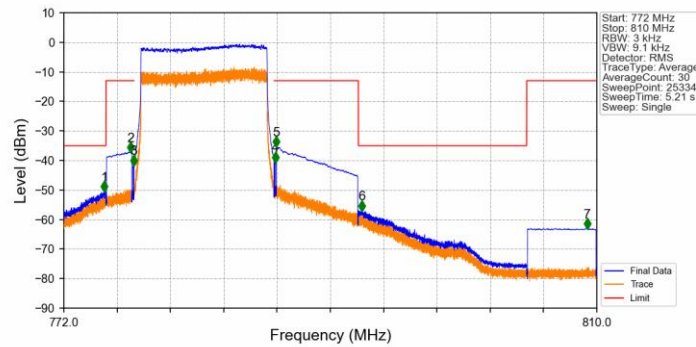
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.533	-62.73	-13	Pass
763	775	0.00625	CHP	2	774.820	-50.58	-35	Pass
775	776.9	0.1	CHP	3	776.770	-37.12	-13	Pass
776.9	777	0.03	CHP	4	776.959	-41.90	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.020	-40.43	-13	Pass
787.1	792	0.1	CHP	6	787.150	-35.40	-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	774.118	-61.29	-35	Pass
775	776.9	0.1	CHP	2	776.850	-50.45	-13	Pass
776.9	777	0.03	CHP	3	776.985	-49.42	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.015	-33.48	-13	Pass
787.1	793	0.1	CHP	5	787.150	-40.16	-13	Pass
793	805	0.00625	CHP	6	794.056	-64.55	-35	Pass
805	810	0.1	CHP	7	807.444	-63.08	-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	774.883	-50.35	-35	Pass
775	776.9	0.1	CHP	2	776.770	-37.10	-13	Pass
776.9	777	0.03	CHP	3	776.973	-41.50	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.078	-40.46	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.27	-13	Pass
793	805	0.00625	CHP	6	793.252	-56.92	-35	Pass
805	810	0.1	CHP	7	809.313	-63.05	-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	0.2858	0.0093	ppm	4M49G7D	27F	24.56
13	5	779.5	784.5	0.2455	0.0074	ppm	4M48W7D	27F	23.90
13	10	782	782	0.2938	0.0063	ppm	8M95G7D	27F	24.68
13	10	782	782	0.2366	0.0074	ppm	8M96W7D	27F	23.74

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	0.0048	0.0093	ppm	4M49G7D	27F	6.78
13	5	779.5	784.5	0.0041	0.0074	ppm	4M48W7D	27F	6.12
13	10	782	782	0.0049	0.0063	ppm	8M95G7D	27F	6.90
13	10	782	782	0.0039	0.0074	ppm	8M96W7D	27F	5.96

***** End of Report *****