

Appendix Test Data for LTE_band_13

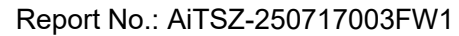
1. Effective (Isotropic) Radiated Power Output Data

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	23.36	1.39	22.60	<=34.77	Pass
			13	23.46	1.39	22.70	<=34.77	Pass
			24	23.39	1.39	22.63	<=34.77	Pass
		12	0	22.49	1.39	21.73	<=34.77	Pass
			6	22.49	1.39	21.73	<=34.77	Pass
			13	22.71	1.39	21.95	<=34.77	Pass
		25	0	22.61	1.39	21.85	<=34.77	Pass
	782	1	0	23.35	1.39	22.59	<=34.77	Pass
			13	23.40	1.39	22.64	<=34.77	Pass
			24	23.32	1.39	22.56	<=34.77	Pass
		12	0	22.13	1.39	21.37	<=34.77	Pass
			6	22.46	1.39	21.70	<=34.77	Pass
			13	22.52	1.39	21.76	<=34.77	Pass
		25	0	22.43	1.39	21.67	<=34.77	Pass
	784.5	1	0	23.33	1.39	22.57	<=34.77	Pass
			13	23.34	1.39	22.58	<=34.77	Pass
			24	23.35	1.39	22.59	<=34.77	Pass
		12	0	22.28	1.39	21.52	<=34.77	Pass
			6	22.45	1.39	21.69	<=34.77	Pass
			13	22.13	1.39	21.37	<=34.77	Pass
		25	0	22.23	1.39	21.47	<=34.77	Pass
16QAM	779.5	1	0	22.29	1.39	21.53	<=34.77	Pass
			13	22.39	1.39	21.63	<=34.77	Pass
			24	22.33	1.39	21.57	<=34.77	Pass
		12	0	21.52	1.39	20.76	<=34.77	Pass
			6	21.56	1.39	20.80	<=34.77	Pass
			13	21.76	1.39	21.00	<=34.77	Pass
		25	0	21.75	1.39	20.99	<=34.77	Pass
	782	1	0	22.75	1.39	21.99	<=34.77	Pass
			13	22.84	1.39	22.08	<=34.77	Pass
			24	22.74	1.39	21.98	<=34.77	Pass
		12	0	21.22	1.39	20.46	<=34.77	Pass
			6	21.51	1.39	20.75	<=34.77	Pass
			13	21.63	1.39	20.87	<=34.77	Pass
		25	0	21.55	1.39	20.79	<=34.77	Pass
	784.5	1	0	22.46	1.39	21.70	<=34.77	Pass
			13	22.54	1.39	21.78	<=34.77	Pass
			24	22.43	1.39	21.67	<=34.77	Pass
		12	0	21.30	1.39	20.54	<=34.77	Pass
			6	21.51	1.39	20.75	<=34.77	Pass
			13	21.17	1.39	20.41	<=34.77	Pass
		25	0	21.24	1.39	20.48	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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	23.44	1.39	22.68	<=34.77	Pass
			25	23.53	1.39	22.77	<=34.77	Pass
			49	23.53	1.39	22.77	<=34.77	Pass
		25	0	22.24	1.39	21.48	<=34.77	Pass
			13	22.49	1.39	21.73	<=34.77	Pass
			25	22.30	1.39	21.54	<=34.77	Pass
		50	0	22.29	1.39	21.53	<=34.77	Pass
16QAM	782	1	0	22.71	1.39	21.95	<=34.77	Pass
			25	22.85	1.39	22.09	<=34.77	Pass
			49	22.81	1.39	22.05	<=34.77	Pass
		12	0	22.39	1.39	21.63	<=34.77	Pass
			19	22.50	1.39	21.74	<=34.77	Pass
			38	22.25	1.39	21.49	<=34.77	Pass
		27	0	21.28	1.39	20.52	<=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	3.15	-7.725	-0.0099	-2.5 to 2.5	Pass
					3.70	-8.855	-0.0114	-2.5 to 2.5	Pass
					4.26	-7.253	-0.0093	-2.5 to 2.5	Pass
				-30	3.70	-5.050	-0.0065	-2.5 to 2.5	Pass
				-20	3.70	-7.753	-0.0099	-2.5 to 2.5	Pass
				-10	3.70	-9.027	-0.0116	-2.5 to 2.5	Pass
				0	3.70	-7.153	-0.0092	-2.5 to 2.5	Pass
				10	3.70	-5.765	-0.0074	-2.5 to 2.5	Pass
				30	3.70	-5.736	-0.0074	-2.5 to 2.5	Pass
				40	3.70	-2.246	-0.0029	-2.5 to 2.5	Pass
				50	3.70	-4.091	-0.0052	-2.5 to 2.5	Pass
	782	25	0	20	3.15	-7.167	-0.0092	-2.5 to 2.5	Pass
					3.70	-6.924	-0.0089	-2.5 to 2.5	Pass
					4.26	-7.110	-0.0091	-2.5 to 2.5	Pass
				-30	3.70	-7.210	-0.0092	-2.5 to 2.5	Pass
				-20	3.70	-6.309	-0.0081	-2.5 to 2.5	Pass
				-10	3.70	-4.020	-0.0051	-2.5 to 2.5	Pass
				0	3.70	-4.349	-0.0056	-2.5 to 2.5	Pass
				10	3.70	-4.206	-0.0054	-2.5 to 2.5	Pass
				30	3.70	-9.212	-0.0118	-2.5 to 2.5	Pass
				40	3.70	-9.155	-0.0117	-2.5 to 2.5	Pass
				50	3.70	-10.128	-0.0130	-2.5 to 2.5	Pass
	784.5	25	0	20	3.15	-6.509	-0.0083	-2.5 to 2.5	Pass
					3.70	-4.492	-0.0057	-2.5 to 2.5	Pass
					4.26	-6.752	-0.0086	-2.5 to 2.5	Pass
				-30	3.70	-7.997	-0.0102	-2.5 to 2.5	Pass
				-20	3.70	-5.078	-0.0065	-2.5 to 2.5	Pass
				-10	3.70	-5.665	-0.0072	-2.5 to 2.5	Pass
				0	3.70	-9.656	-0.0123	-2.5 to 2.5	Pass
				10	3.70	-9.599	-0.0122	-2.5 to 2.5	Pass
				30	3.70	-9.556	-0.0122	-2.5 to 2.5	Pass
				40	3.70	-6.294	-0.0080	-2.5 to 2.5	Pass
				50	3.70	-10.414	-0.0133	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.15	-5.722	-0.0073	-2.5 to 2.5	Pass
					3.70	-6.623	-0.0085	-2.5 to 2.5	Pass
					4.26	-5.379	-0.0069	-2.5 to 2.5	Pass
				-30	3.70	-5.593	-0.0072	-2.5 to 2.5	Pass
				-20	3.70	-7.267	-0.0093	-2.5 to 2.5	Pass
				-10	3.70	-4.778	-0.0061	-2.5 to 2.5	Pass
				0	3.70	-4.463	-0.0057	-2.5 to 2.5	Pass
				10	3.70	-8.111	-0.0104	-2.5 to 2.5	Pass
				30	3.70	-5.536	-0.0071	-2.5 to 2.5	Pass
				40	3.70	-5.894	-0.0076	-2.5 to 2.5	Pass
				50	3.70	-6.609	-0.0085	-2.5 to 2.5	Pass
	782	25	0	20	3.15	-7.324	-0.0094	-2.5 to 2.5	Pass
					3.70	-9.499	-0.0121	-2.5 to 2.5	Pass
					4.26	-9.112	-0.0117	-2.5 to 2.5	Pass
				-30	3.70	-4.091	-0.0052	-2.5 to 2.5	Pass
				-20	3.70	-8.183	-0.0105	-2.5 to 2.5	Pass
				-10	3.70	-2.861	-0.0037	-2.5 to 2.5	Pass

				0	3.70	-5.965	-0.0076	-2.5 to 2.5	Pass
				10	3.70	-8.841	-0.0113	-2.5 to 2.5	Pass
				30	3.70	-6.652	-0.0085	-2.5 to 2.5	Pass
				40	3.70	-6.065	-0.0078	-2.5 to 2.5	Pass
				50	3.70	-6.695	-0.0086	-2.5 to 2.5	Pass
	784.5	25	0	20	3.15	-2.232	-0.0028	-2.5 to 2.5	Pass
					3.70	-4.921	-0.0063	-2.5 to 2.5	Pass
					4.26	-5.693	-0.0073	-2.5 to 2.5	Pass
				-30	3.70	-5.207	-0.0066	-2.5 to 2.5	Pass
				-20	3.70	-5.007	-0.0064	-2.5 to 2.5	Pass
				-10	3.70	-8.626	-0.0110	-2.5 to 2.5	Pass
				0	3.70	-7.668	-0.0098	-2.5 to 2.5	Pass
				10	3.70	-9.270	-0.0118	-2.5 to 2.5	Pass
				30	3.70	-5.808	-0.0074	-2.5 to 2.5	Pass
				40	3.70	-3.505	-0.0045	-2.5 to 2.5	Pass
				50	3.70	-2.561	-0.0033	-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	3.15	-7.496	-0.0096	-2.5 to 2.5	Pass
					3.70	-7.610	-0.0097	-2.5 to 2.5	Pass
					4.26	-7.110	-0.0091	-2.5 to 2.5	Pass
				-30	3.70	-9.241	-0.0118	-2.5 to 2.5	Pass
				-20	3.70	-7.138	-0.0091	-2.5 to 2.5	Pass
				-10	3.70	-6.266	-0.0080	-2.5 to 2.5	Pass
				0	3.70	-6.781	-0.0087	-2.5 to 2.5	Pass
				10	3.70	-4.606	-0.0059	-2.5 to 2.5	Pass
				30	3.70	-7.010	-0.0090	-2.5 to 2.5	Pass
				40	3.70	-6.738	-0.0086	-2.5 to 2.5	Pass
16QAM	782	27	0	20	3.15	-7.668	-0.0098	-2.5 to 2.5	Pass
					3.70	-6.981	-0.0089	-2.5 to 2.5	Pass
					4.26	-7.868	-0.0101	-2.5 to 2.5	Pass
				-30	3.70	-8.025	-0.0103	-2.5 to 2.5	Pass
				-20	3.70	-9.212	-0.0118	-2.5 to 2.5	Pass
				-10	3.70	-5.994	-0.0077	-2.5 to 2.5	Pass
				0	3.70	-8.597	-0.0110	-2.5 to 2.5	Pass
				10	3.70	-9.499	-0.0121	-2.5 to 2.5	Pass
				30	3.70	-7.339	-0.0094	-2.5 to 2.5	Pass
				40	3.70	-9.656	-0.0123	-2.5 to 2.5	Pass
				50	3.70	-5.050	-0.0065	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

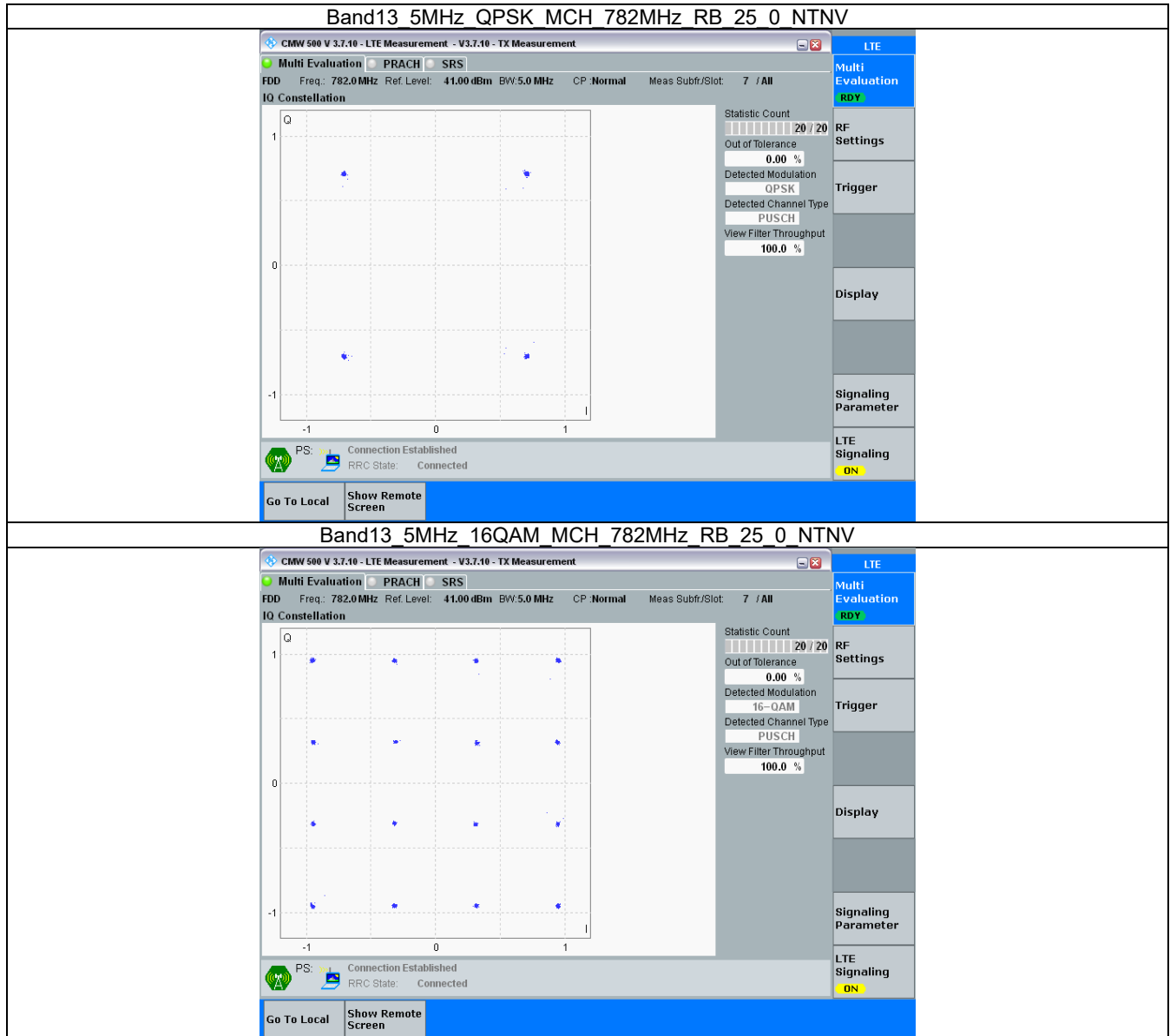
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

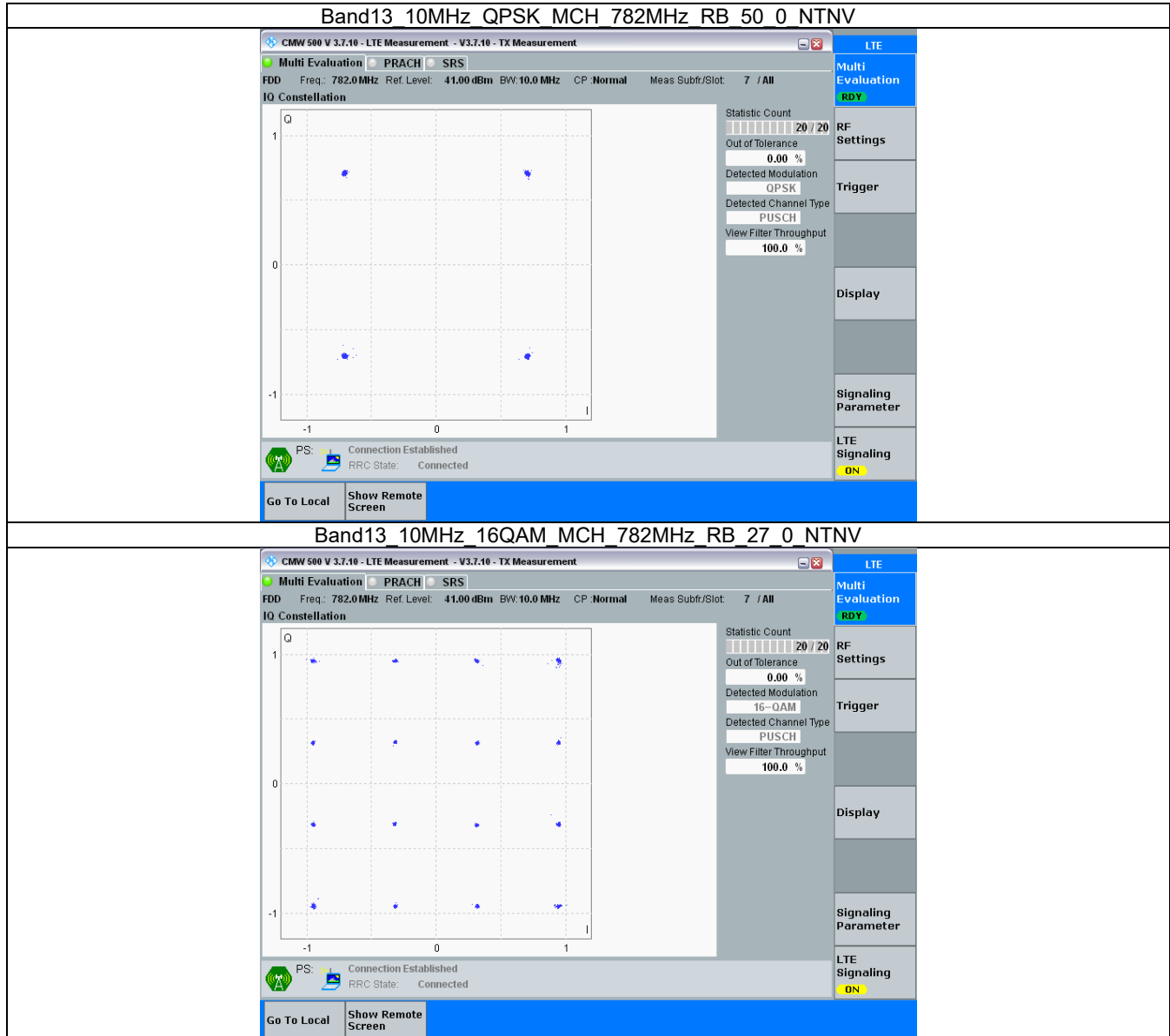
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	27	0	Refer To Test Graph		Pass

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

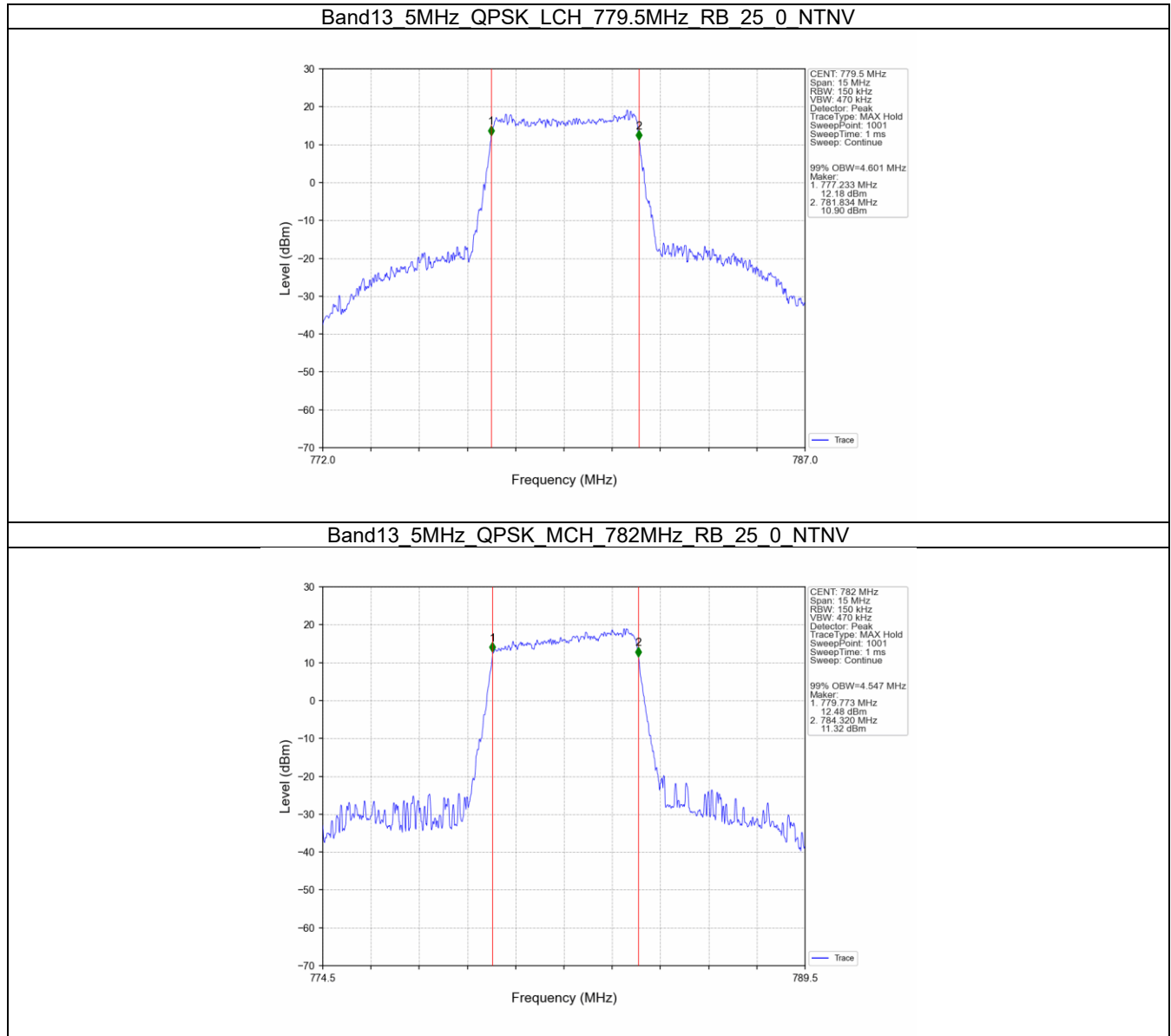
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.601	/	Pass
		782	25	0	4.547	/	Pass
		784.5	25	0	4.536	/	Pass
	16QAM	779.5	25	0	4.622	/	Pass
		782	25	0	4.568	/	Pass
		784.5	25	0	4.515	/	Pass
10	QPSK	782	50	0	9.028	/	Pass
	16QAM	782	27	0	5.170	/	Pass

4.1.2 Band13_XDB

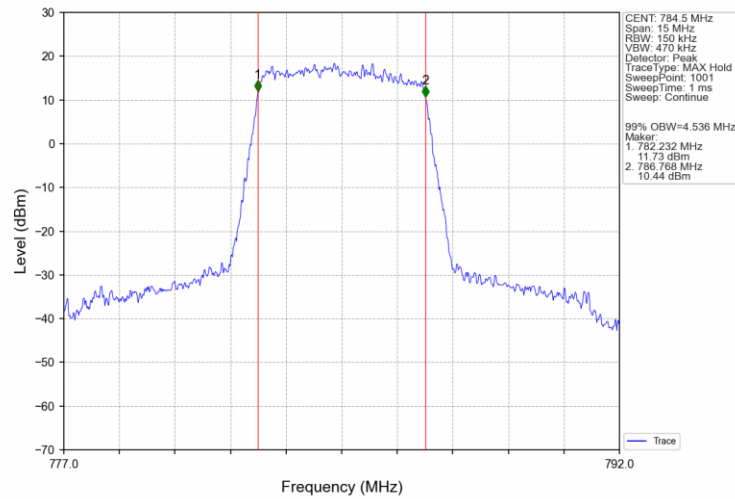
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.299	/	Pass
		782	25	0	5.153	/	Pass
		784.5	25	0	5.156	/	Pass
	16QAM	779.5	25	0	5.274	/	Pass
		782	25	0	5.208	/	Pass
		784.5	25	0	5.109	/	Pass
10	QPSK	782	50	0	10.168	/	Pass
	16QAM	782	27	0	6.403	/	Pass

4.2 Test Graph

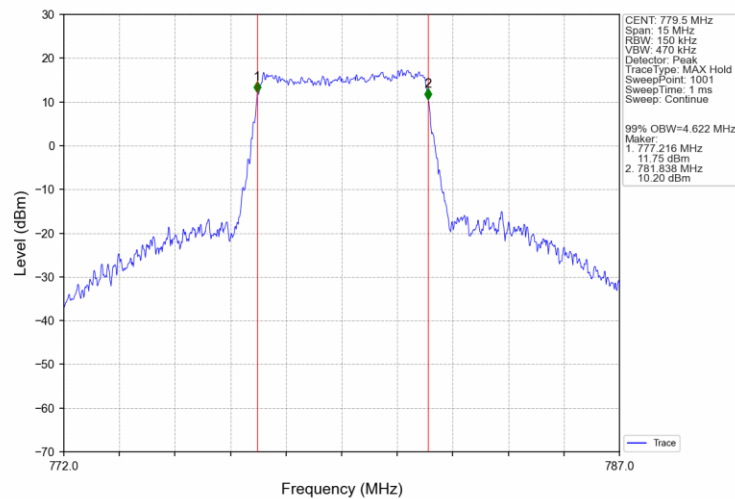
4.2.1 Band13_OBW



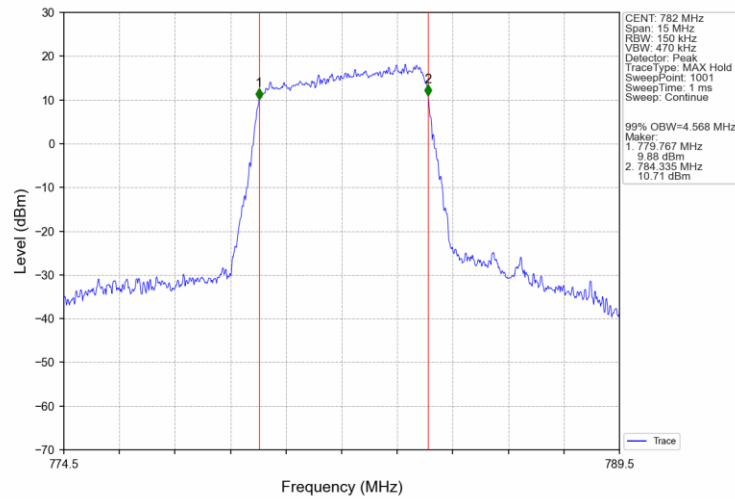
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



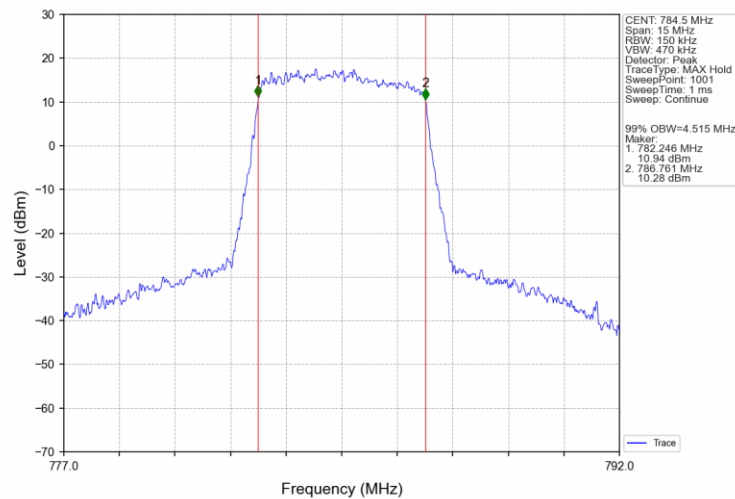
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



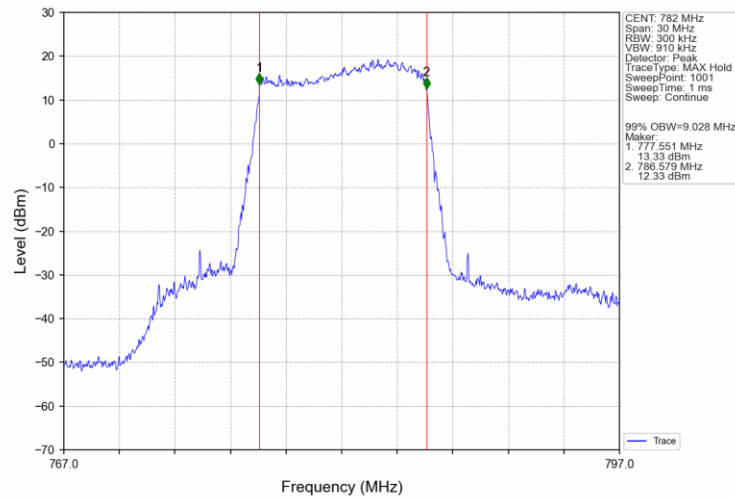
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTV



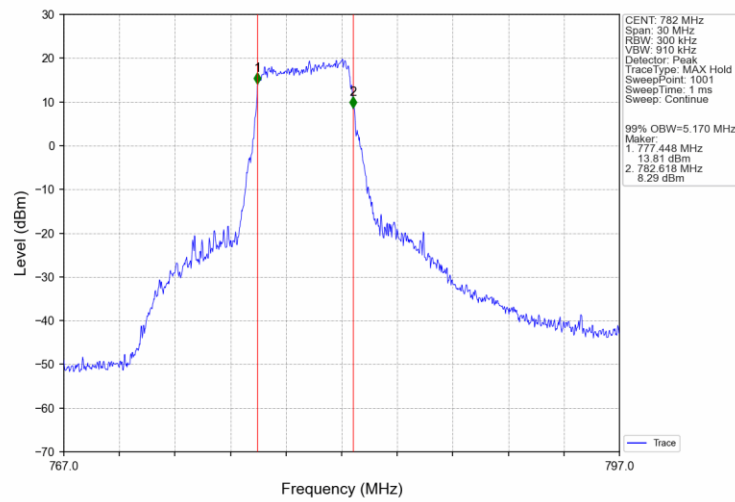
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTV



Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN

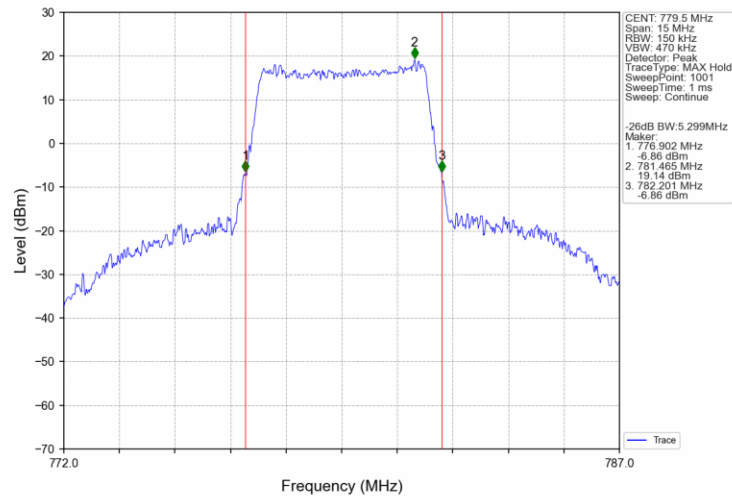


Band13 10MHz 16QAM MCH 782MHz RB 27 0 NTN

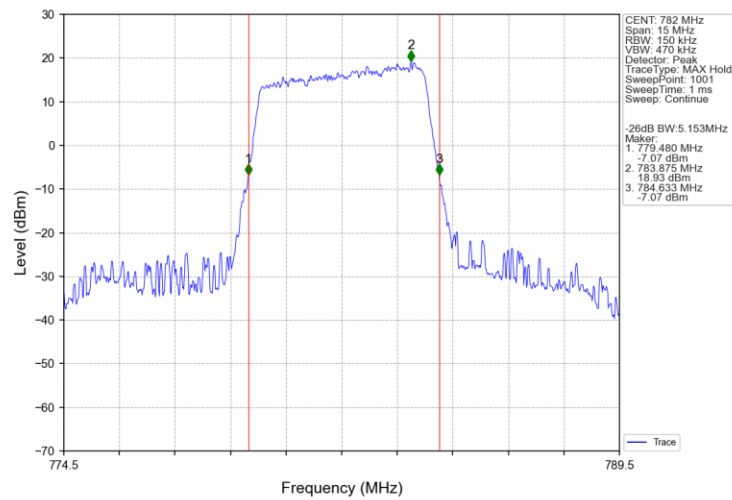


4.2.2 Band13_XDB

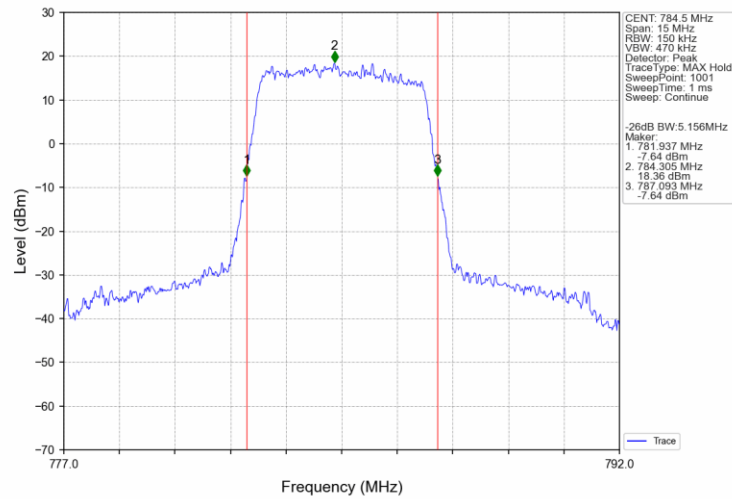
Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTN



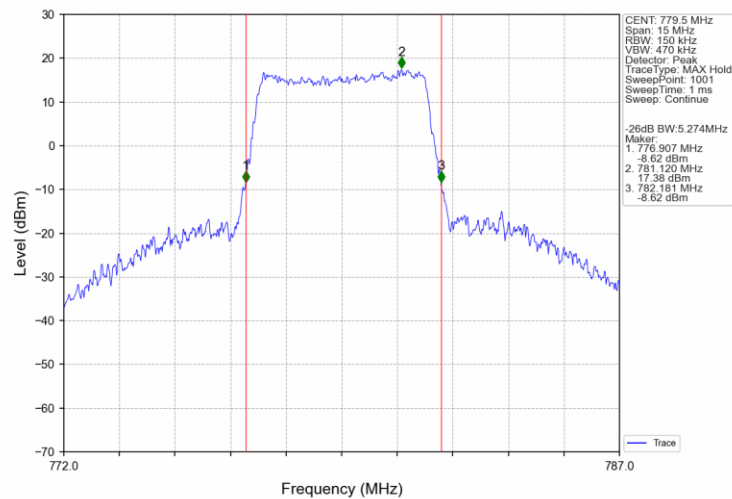
Band13 5MHz QPSK MCH 782MHz RB 25 0 NTN



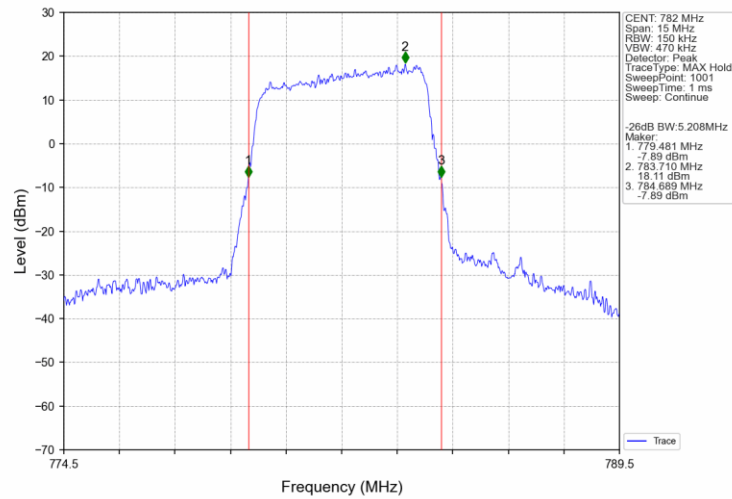
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



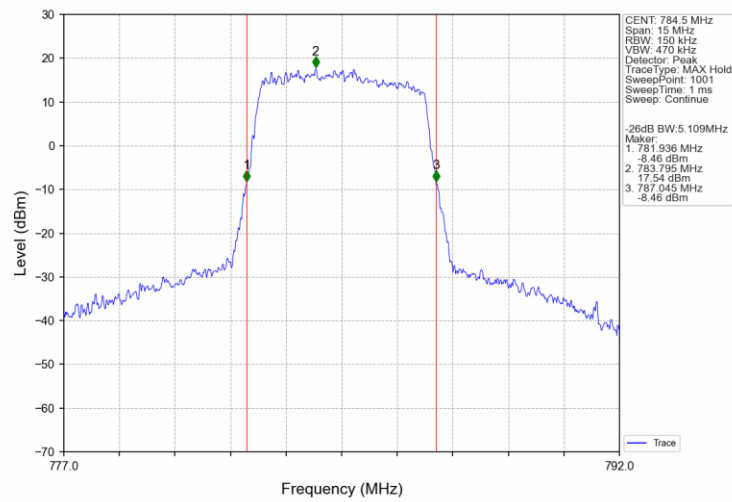
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



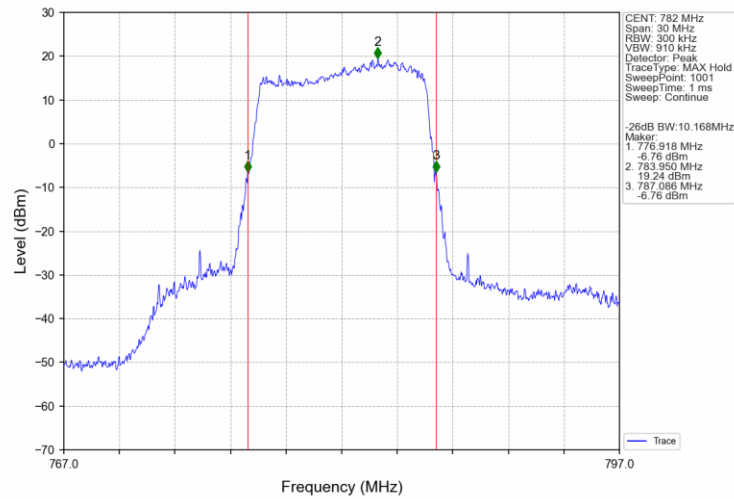
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



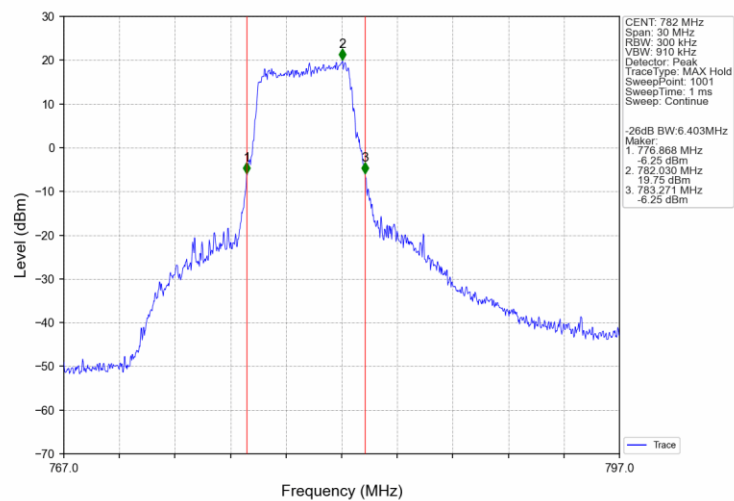
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN



Band13 10MHz 16QAM MCH 782MHz RB 27 0 NTN



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

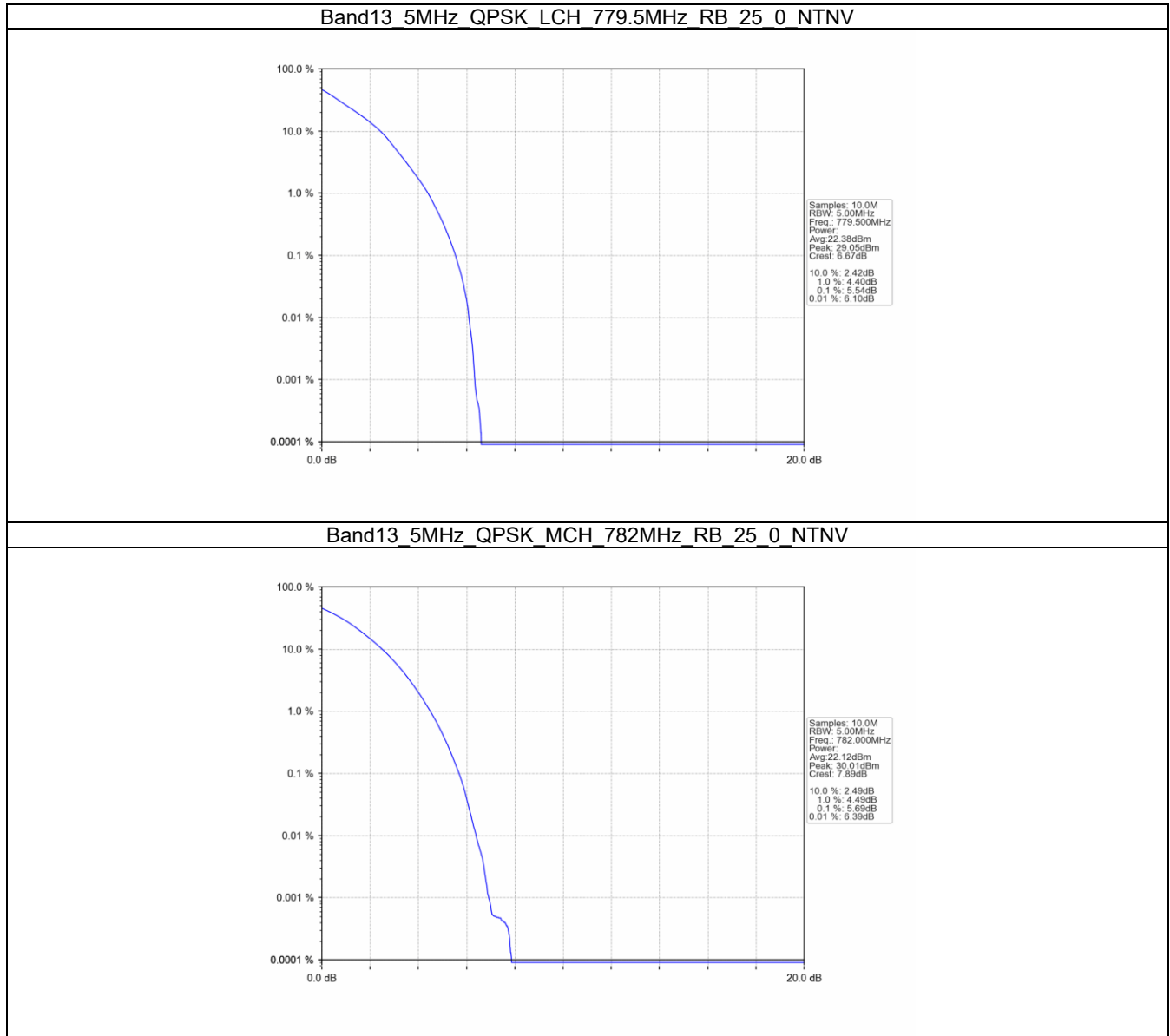
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.54	<=13	Pass
	782	25	0	5.69	<=13	Pass
	784.5	25	0	5.54	<=13	Pass
16QAM	779.5	25	0	6.15	<=13	Pass
	782	25	0	6.43	<=13	Pass
	784.5	25	0	6.33	<=13	Pass

5.1.2 B13_10MHz

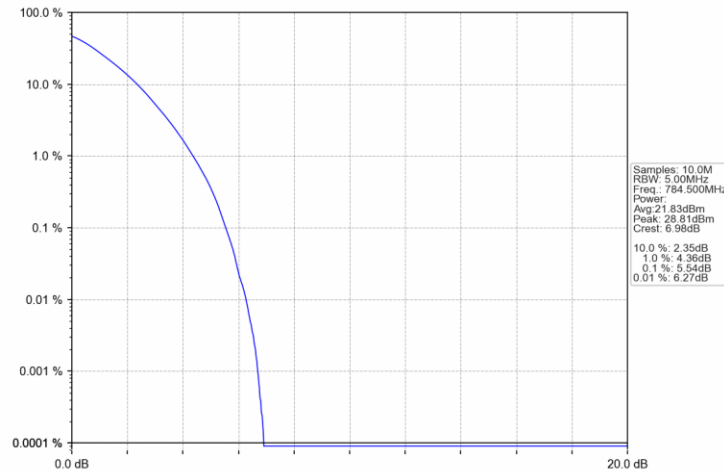
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.47	<=13	Pass
16QAM	782	27	0	6.24	<=13	Pass

5.2 Test Graph

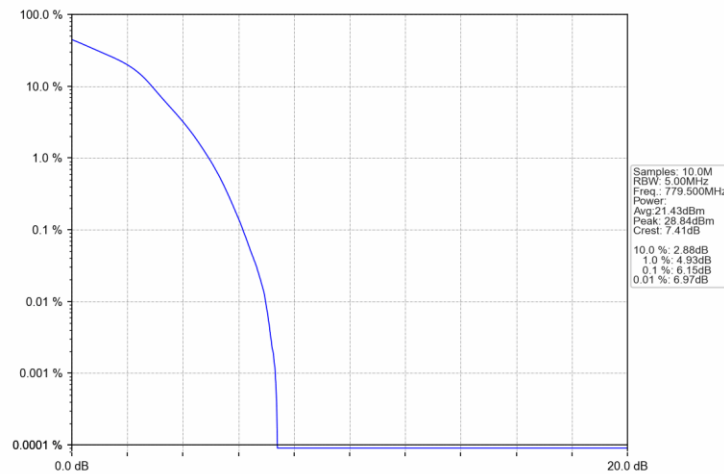
5.2.1 B13_5MHz



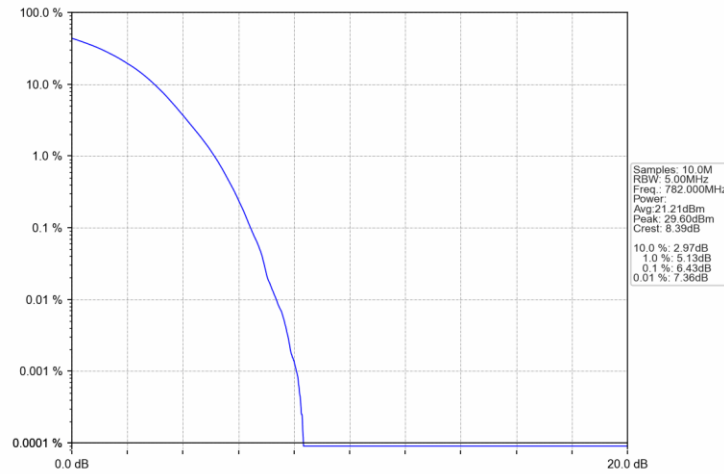
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



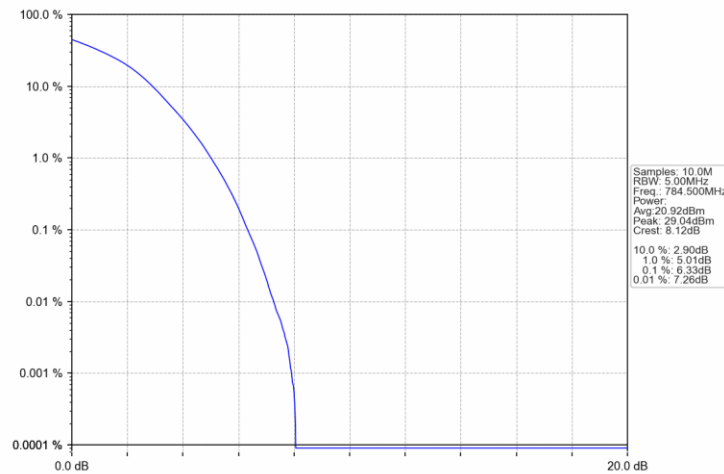
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

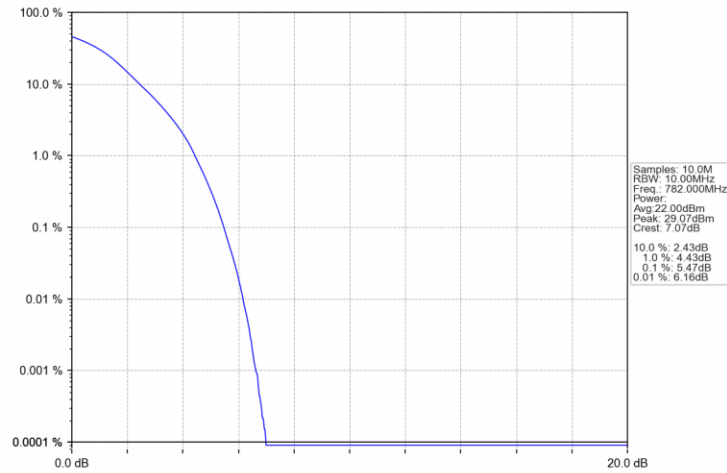


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

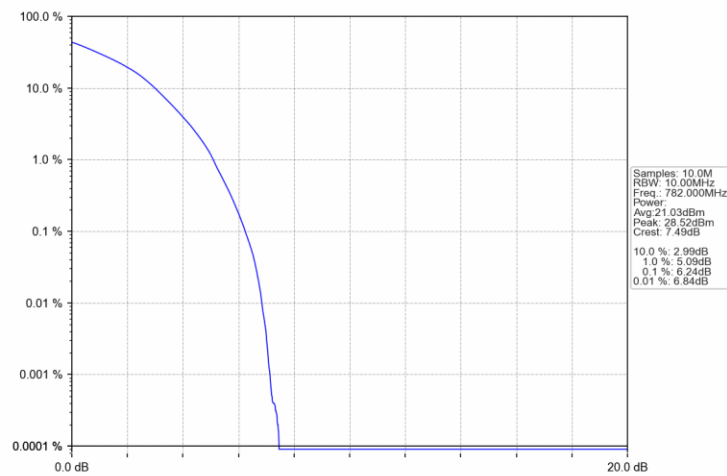


5.2.2 B13_10MHz

Band13 10MHz QPSK MCH 782MHz RB 50 0 NTNV



Band13 10MHz 16QAM MCH 782MHz RB 27 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B13_5MHz

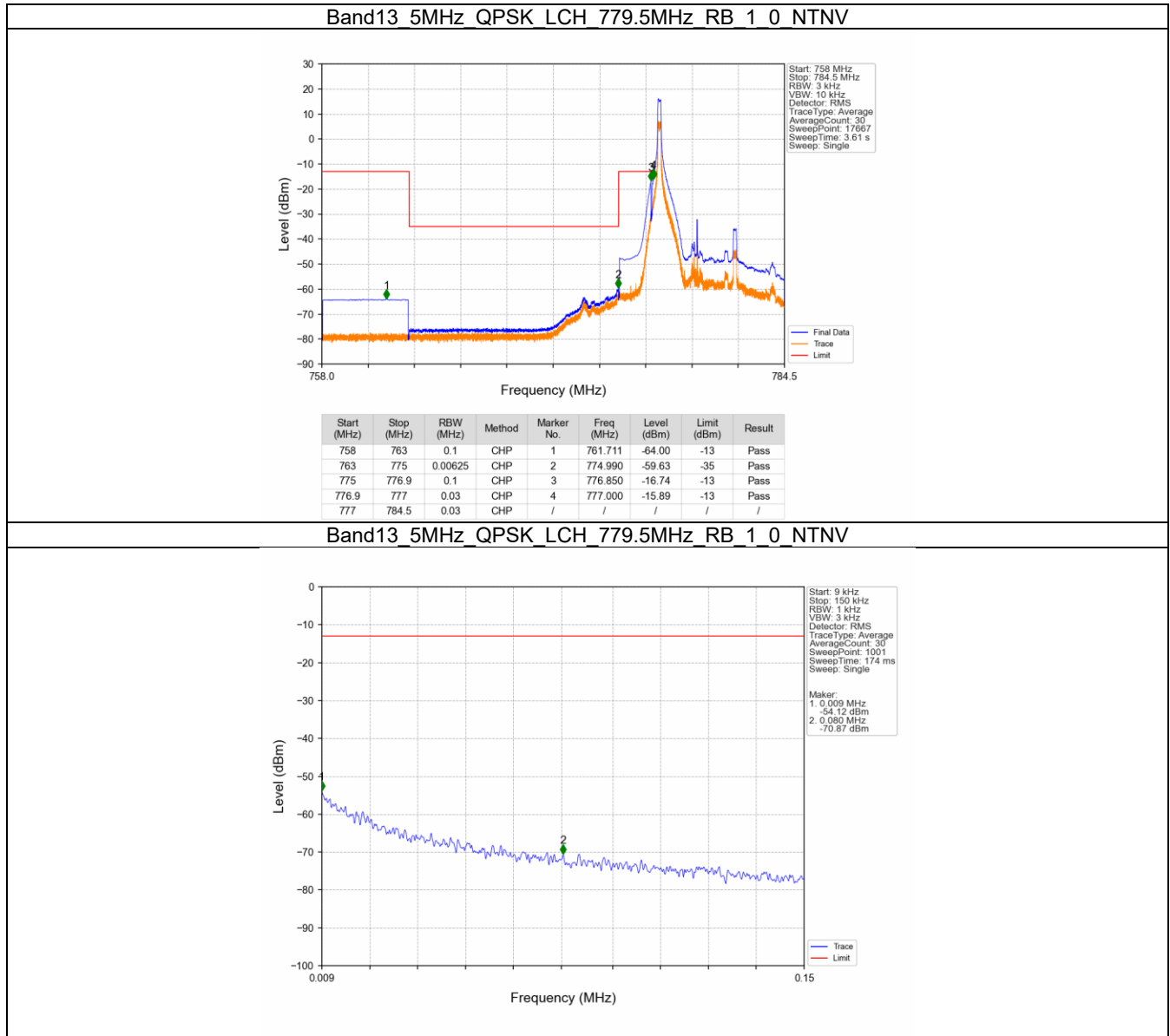
Band: 13 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

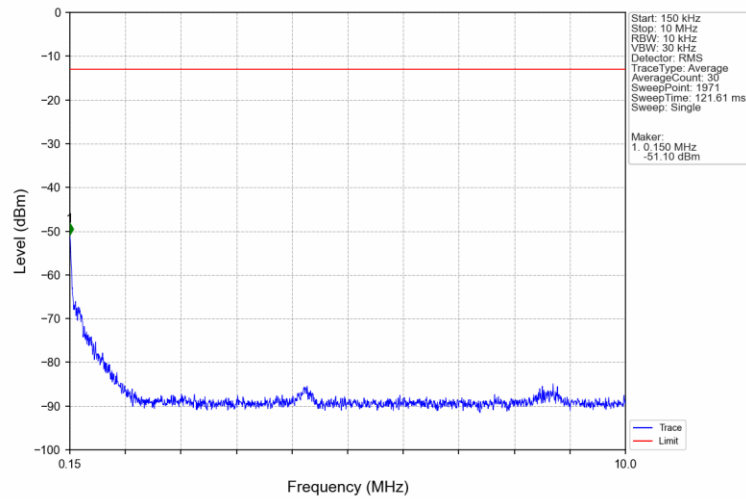
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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

6.2 Test Graph

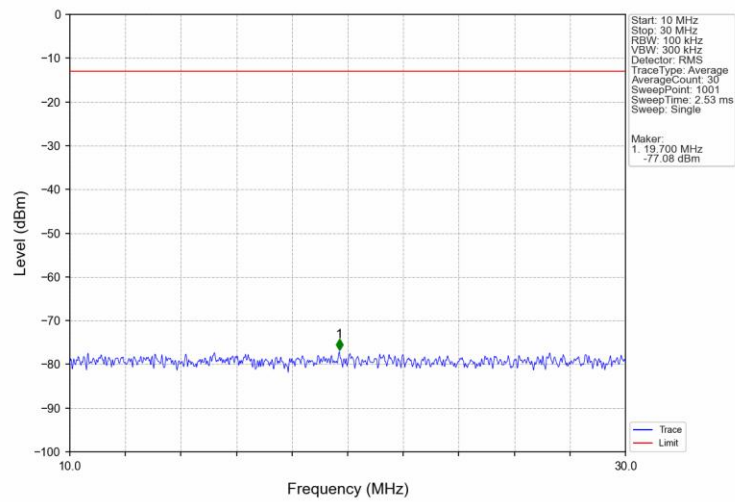
6.2.1 B13_5MHz



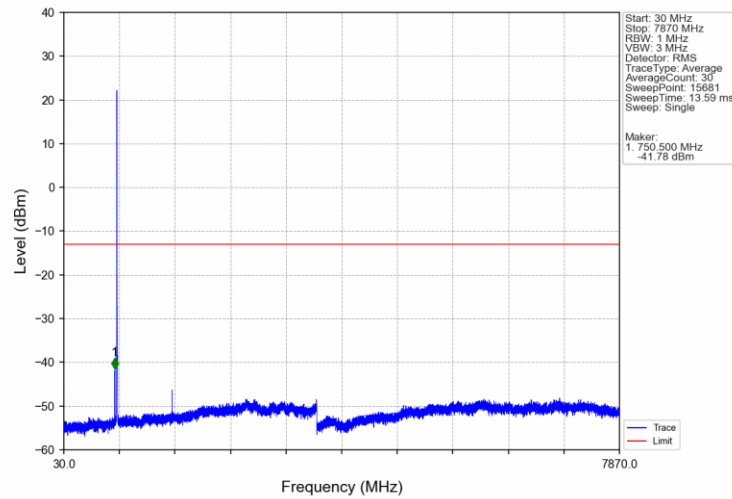
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN



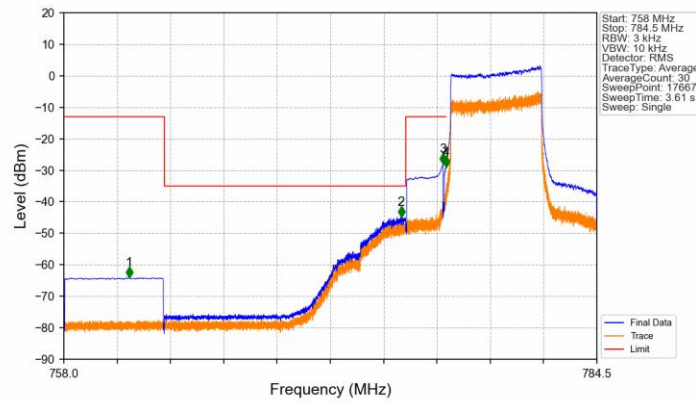
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN



Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTNV

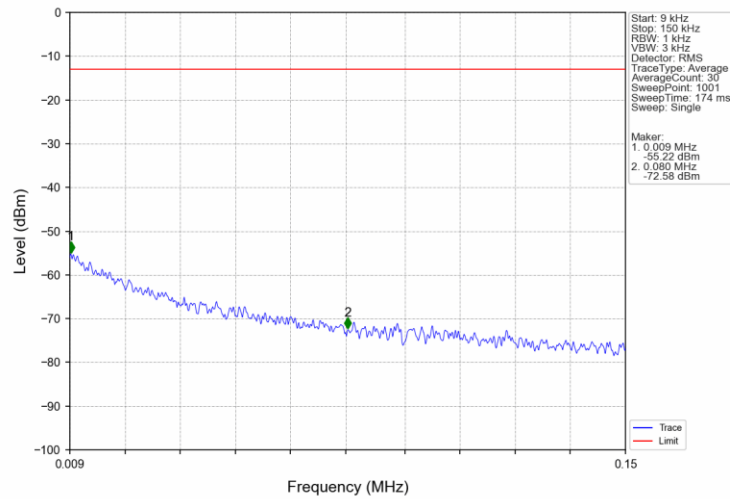


Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTNV

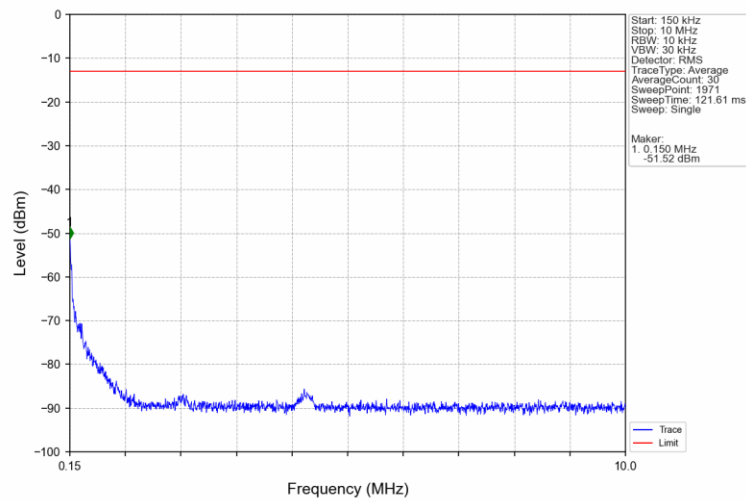


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.255	-64.13	-13	Pass
763	775	0.00625	CHP	2	774.778	-44.78	-35	Pass
775	776.9	0.1	CHP	3	776.850	-27.96	-13	Pass
776.9	777	0.03	CHP	4	777.000	-29.01	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

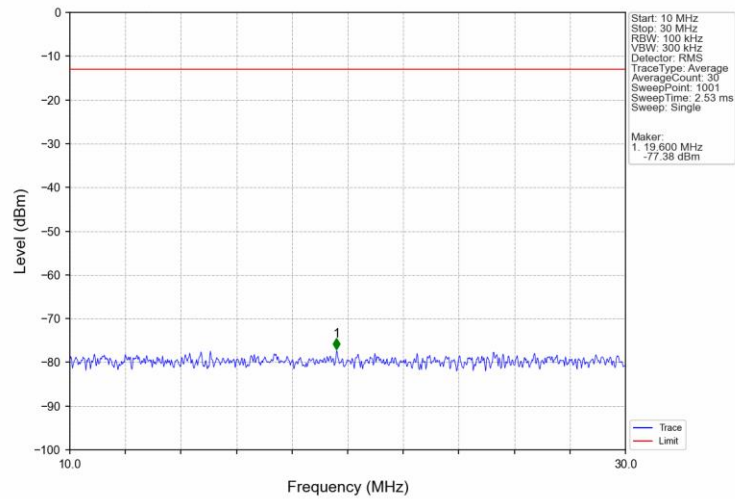
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



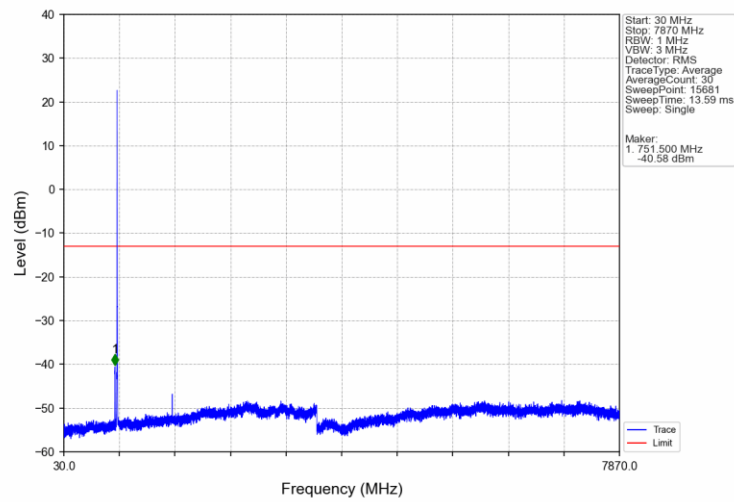
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



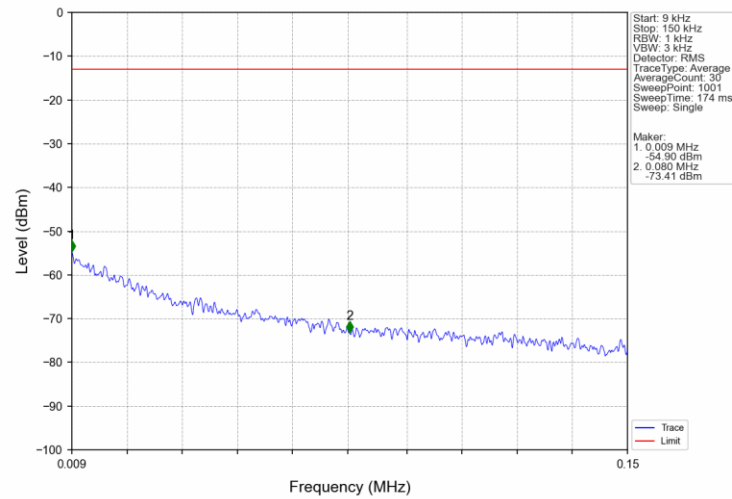
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



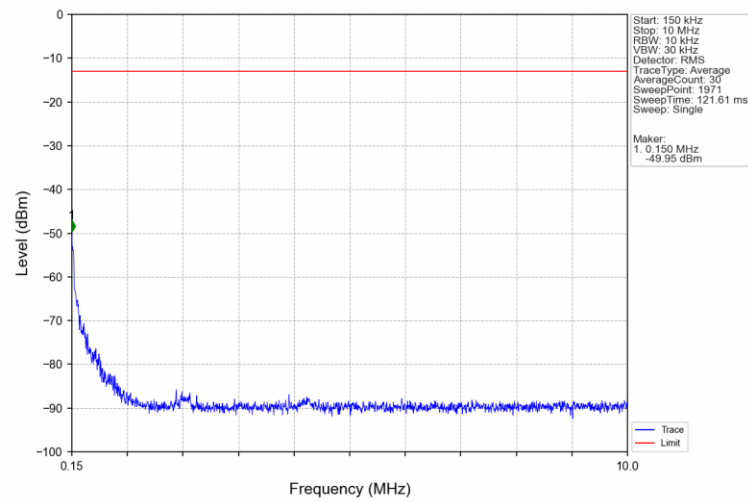
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



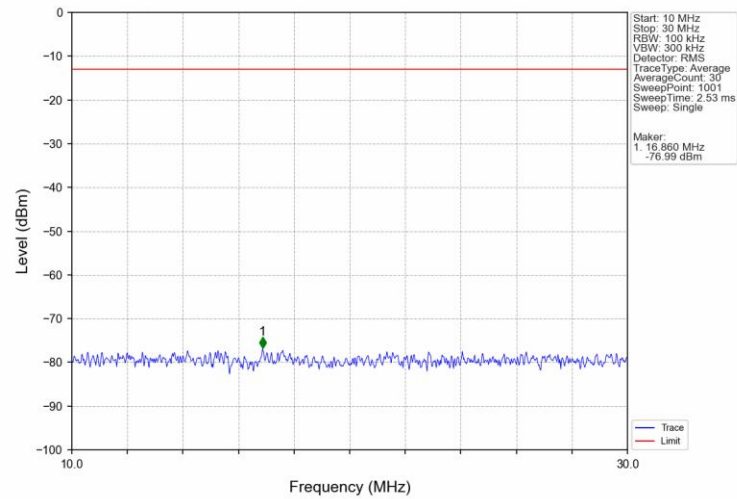
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



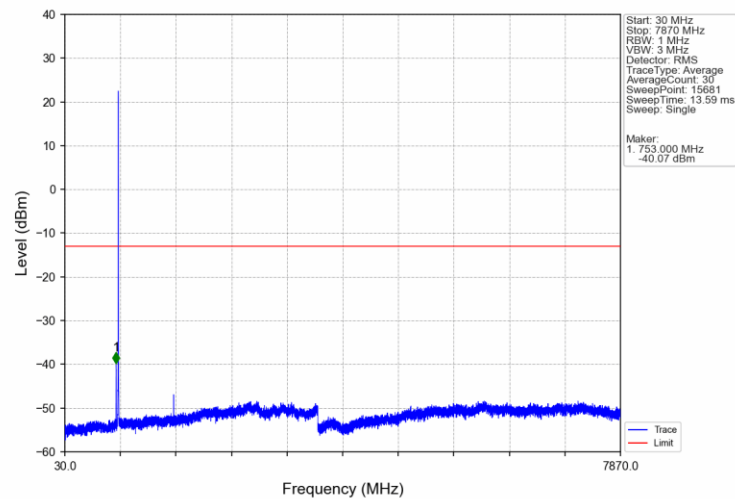
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



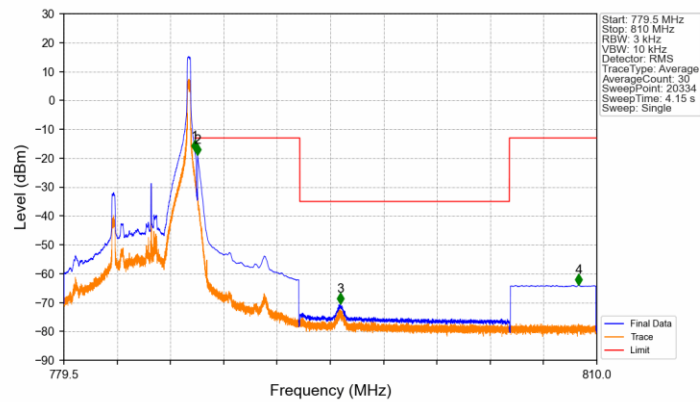
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN

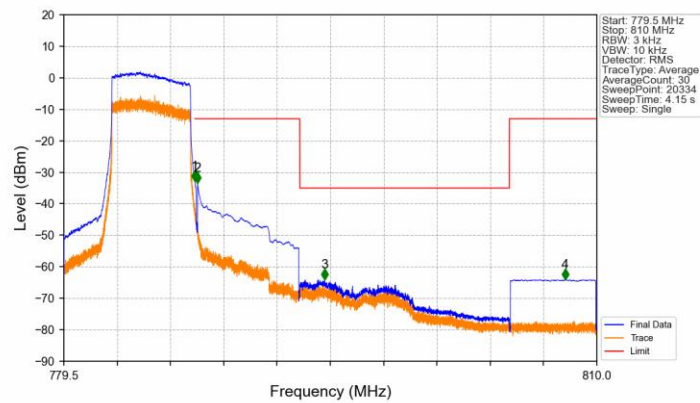


Band13 5MHz QPSK HCH 784.5MHz RB 1 24 NTV



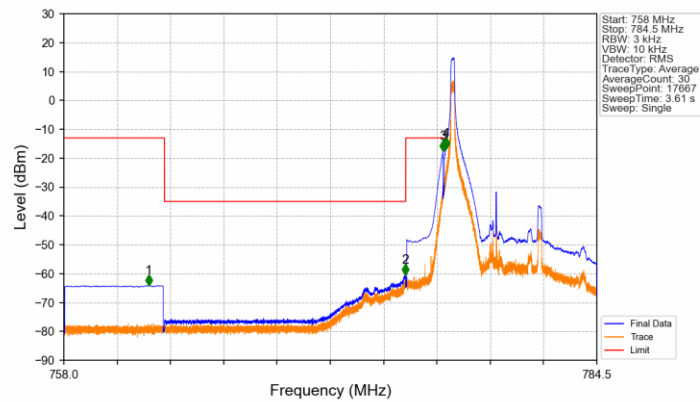
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-17.56	-13	Pass
787.1	793	0.1	CHP	2	787.150	-18.95	-13	Pass
793	805	0.00625	CHP	3	795.342	-70.51	-35	Pass
805	810	0.1	CHP	4	808.960	-63.97	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV

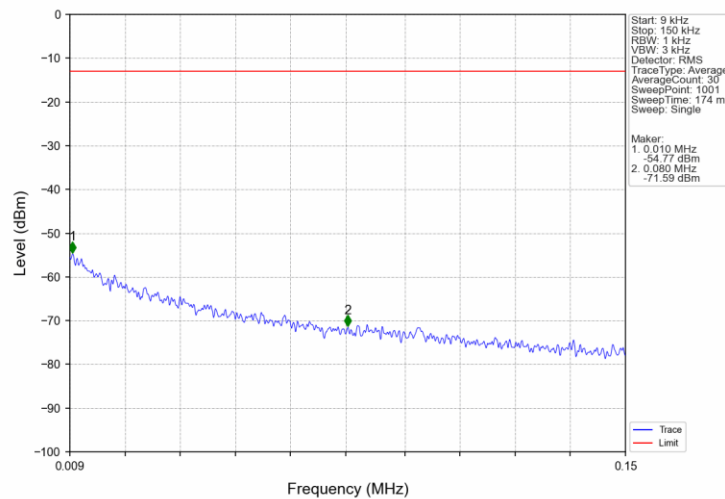


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-32.90	-13	Pass
787.1	793	0.1	CHP	2	787.150	-33.53	-13	Pass
793	805	0.00625	CHP	3	794.421	-64.07	-35	Pass
805	810	0.1	CHP	4	808.191	-64.08	-13	Pass

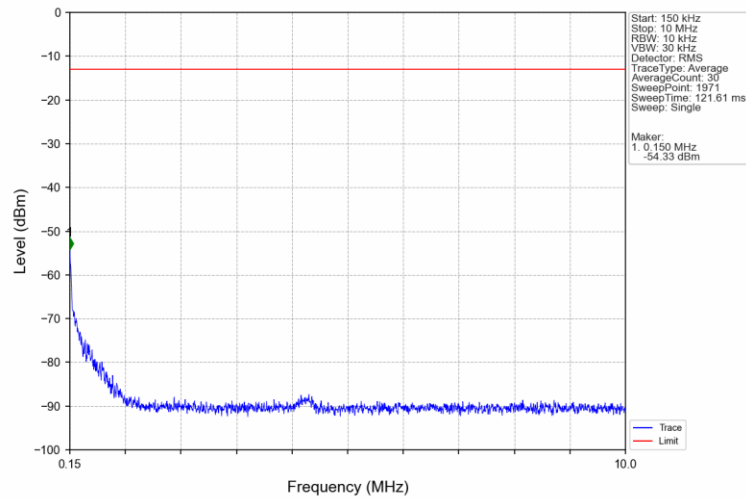
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



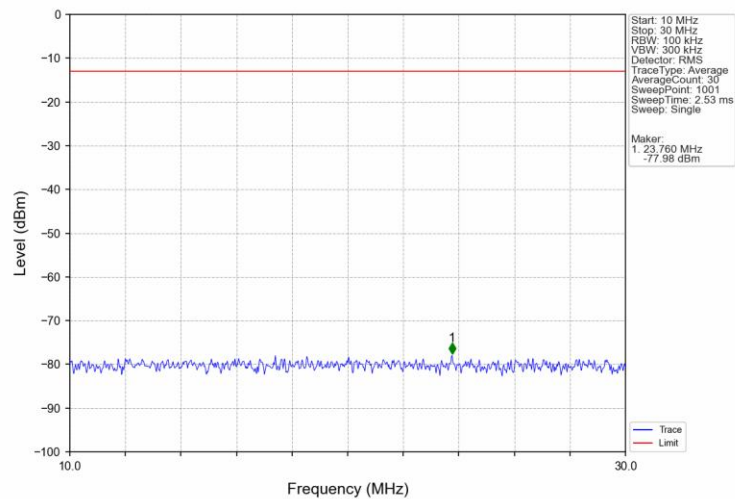
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



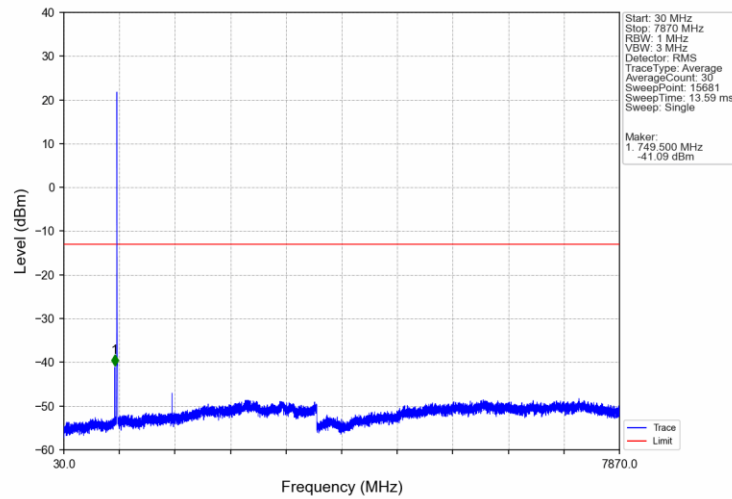
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



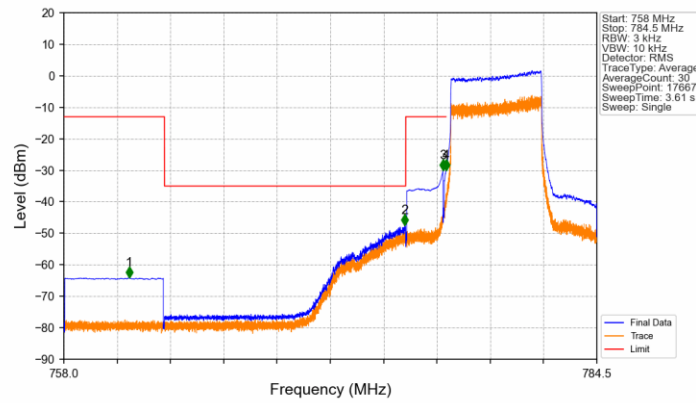
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

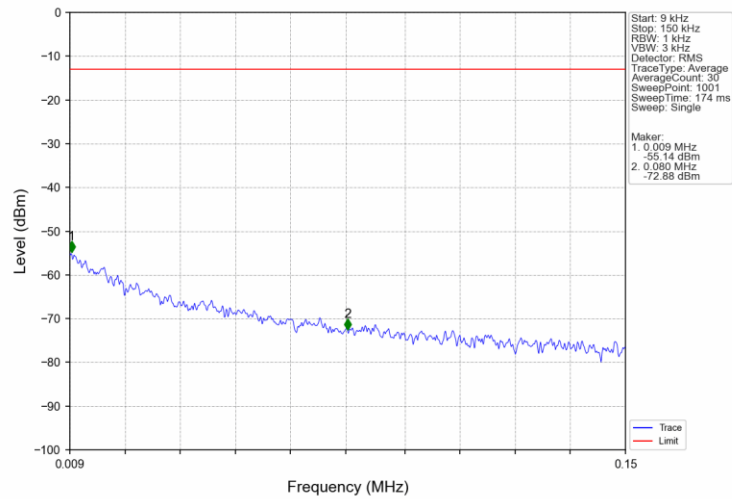


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

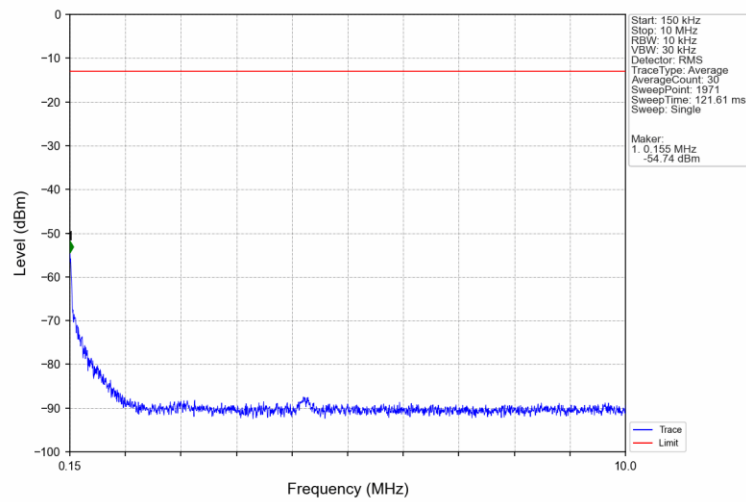


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.245	-64.18	-13	Pass
763	775	0.00625	CHP	2	774.937	-47.52	-35	Pass
775	776.9	0.1	CHP	3	776.850	-30.01	-13	Pass
776.9	777	0.03	CHP	4	777.000	-30.04	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

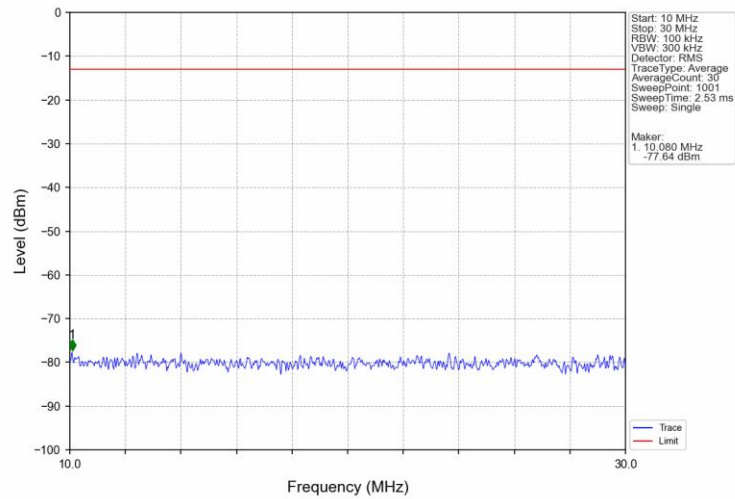
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



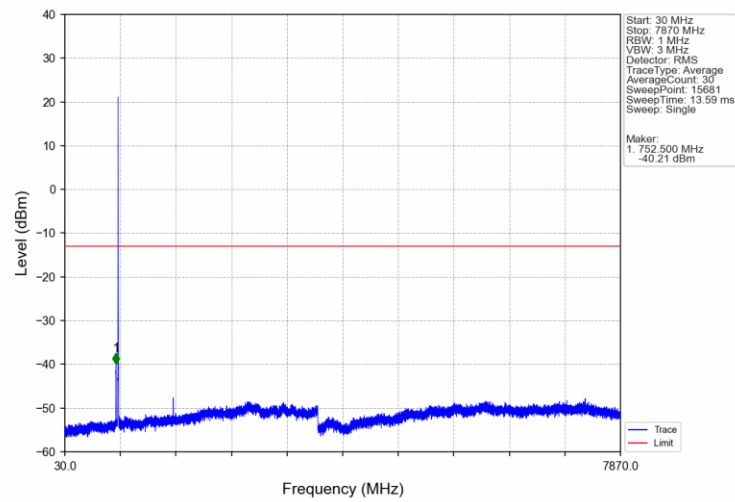
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



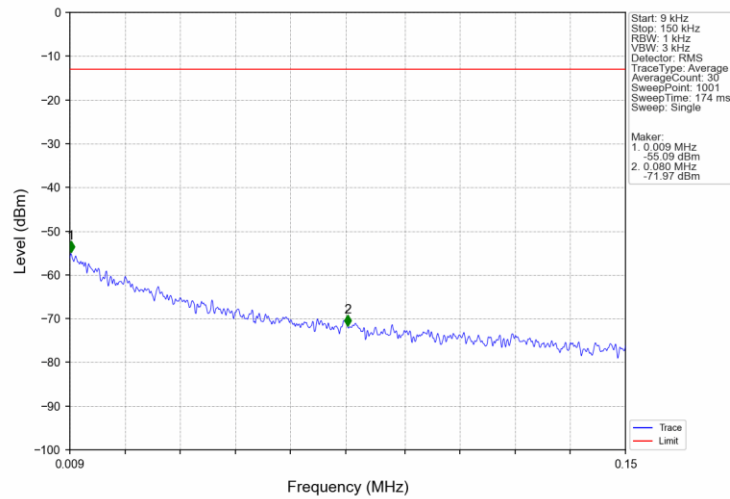
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTNV



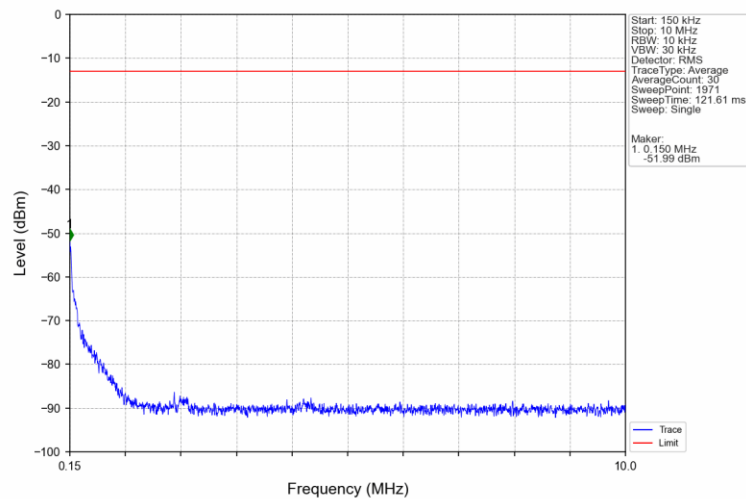
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTNV



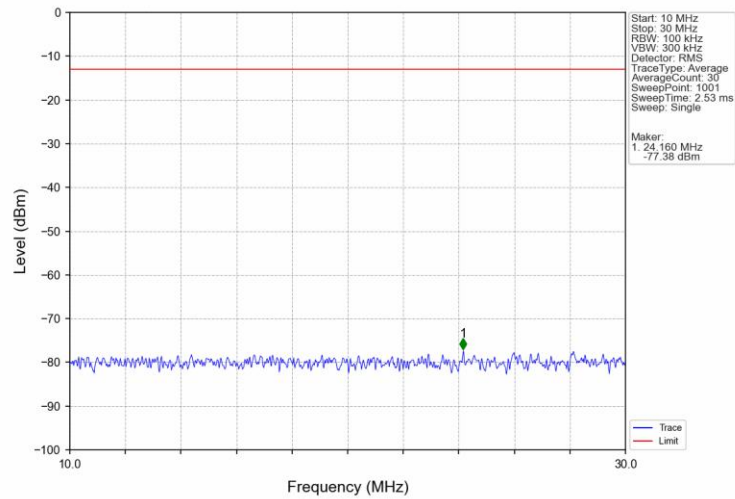
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



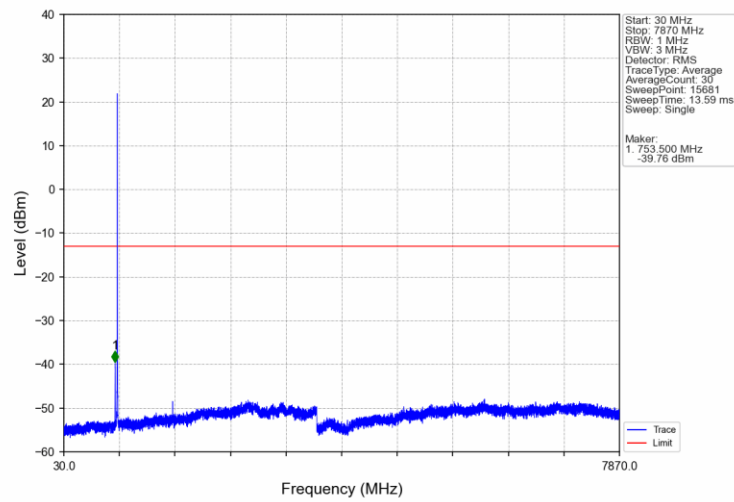
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



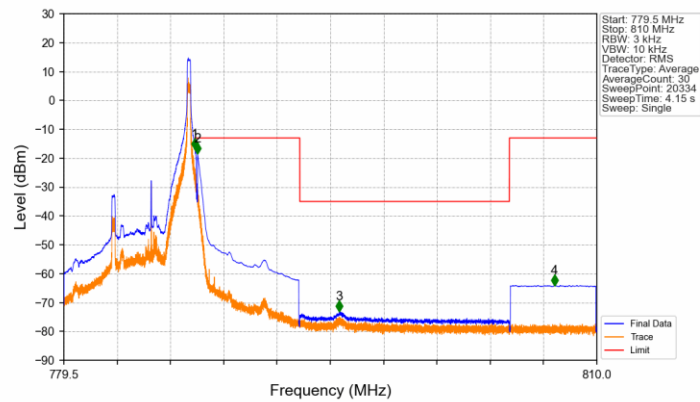
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



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

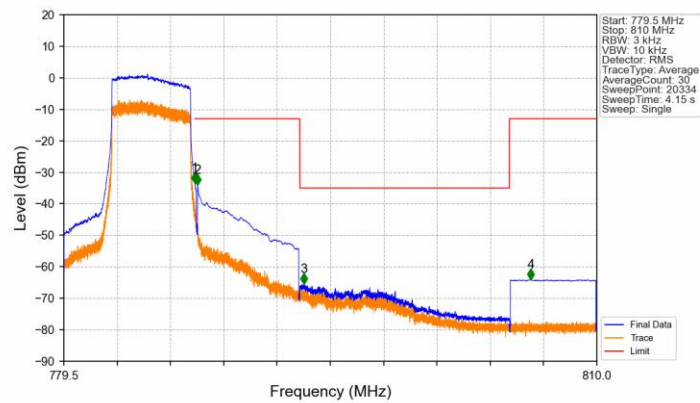


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTNV



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	787.000	-16.90	-13	Pass
787.1	793	0.1	CHP	2	787.150	-18.54	-13	Pass
793	805	0.00625	CHP	3	795.265	-73.20	-35	Pass
805	810	0.1	CHP	4	807.579	-64.06	-13	Pass

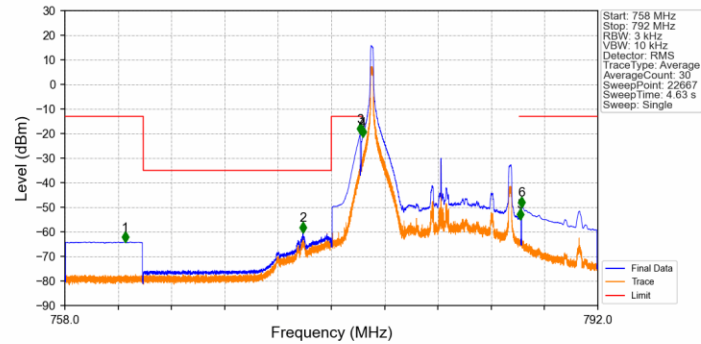
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-33.43	-13	Pass
787.1	793	0.1	CHP	2	787.150	-33.98	-13	Pass
793	805	0.00625	CHP	3	793.251	-65.53	-35	Pass
805	810	0.1	CHP	4	806.221	-64.13	-13	Pass

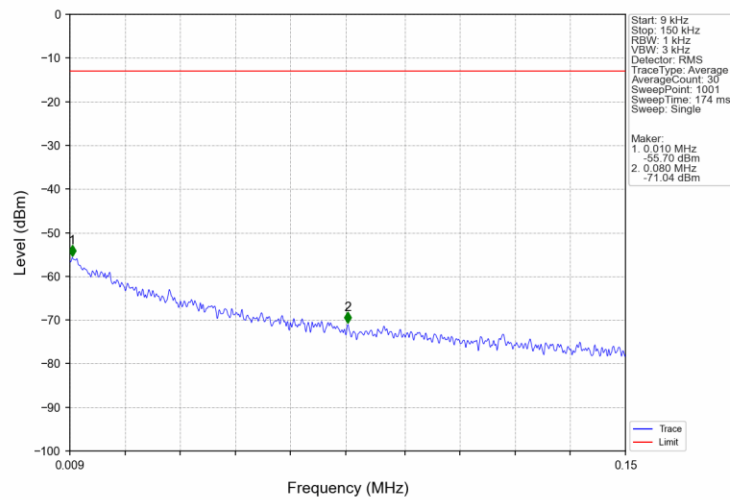
6.2.2 B13_10MHz

Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN

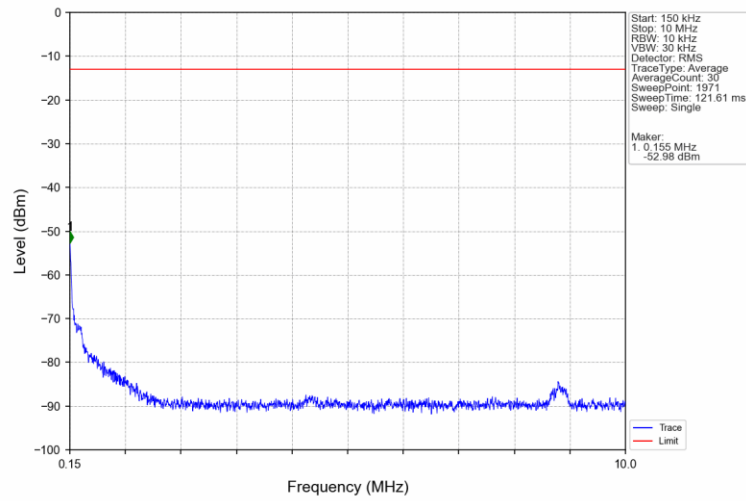


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.855	-64.02	-13	Pass
763	775	0.00625	CHP	2	773.191	-59.98	-35	Pass
775	776.9	0.1	CHP	3	776.850	-19.88	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.23	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.054	-54.62	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.74	-13	Pass

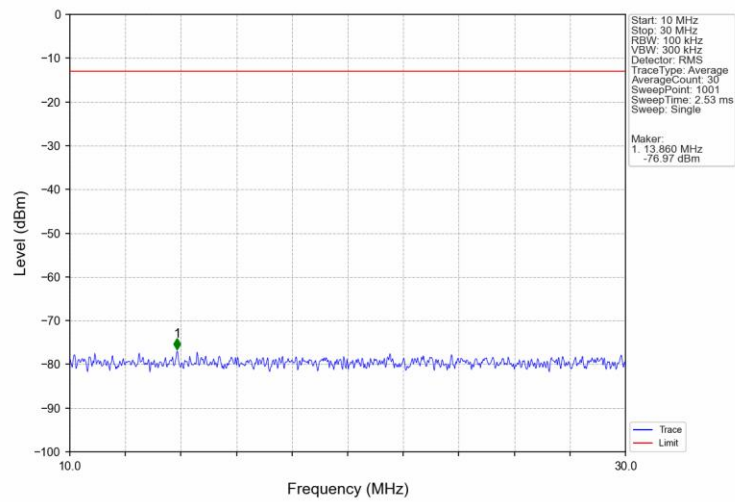
Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN



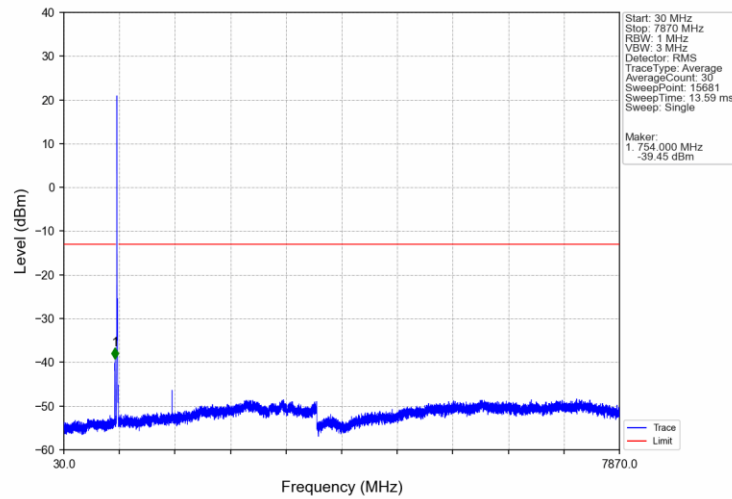
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



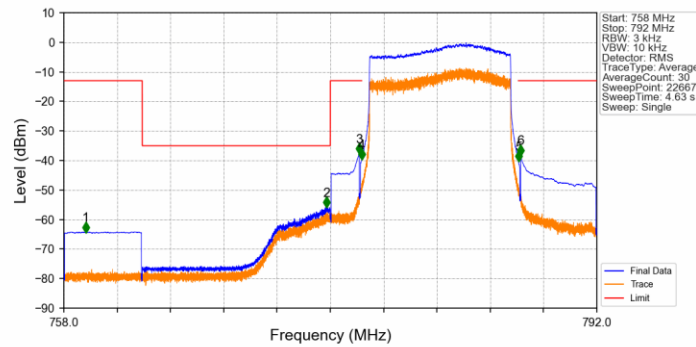
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

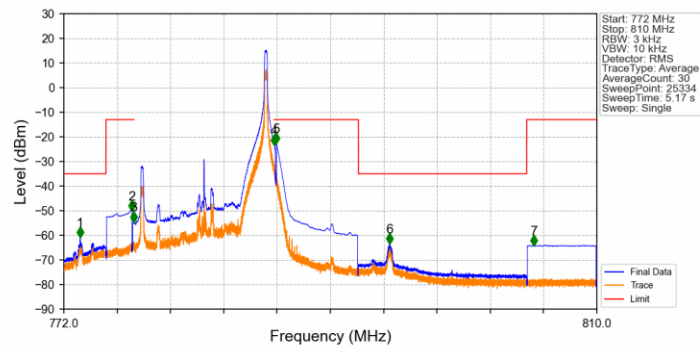


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



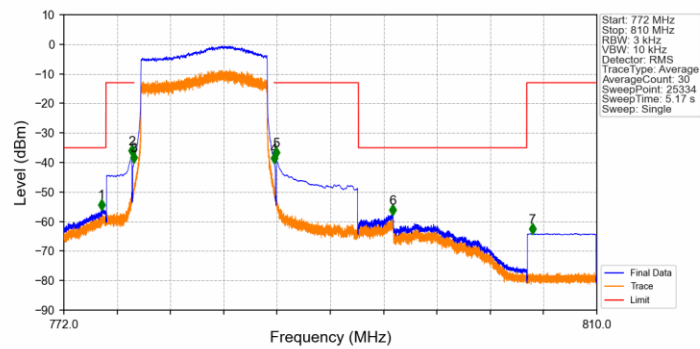
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.400	-64.18	-13	Pass
763	775	0.00625	CHP	2	774.746	-55.73	-35	Pass
775	776.9	0.1	CHP	3	776.850	-37.59	-13	Pass
776.9	777	0.03	CHP	4	776.998	-39.46	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-40.08	-13	Pass
787.1	792	0.1	CHP	6	787.150	-38.10	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTNV



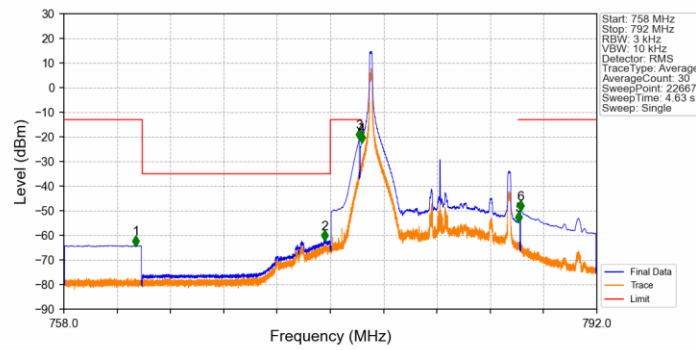
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.163	-60.62	-35	Pass
775	776.9	0.1	CHP	2	776.850	-49.81	-13	Pass
776.9	777	0.03	CHP	3	776.992	-54.40	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-23.13	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.41	-13	Pass
793	805	0.00625	CHP	6	795.220	-63.14	-35	Pass
805	810	0.1	CHP	7	805.525	-64.06	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 50 0 NTNV



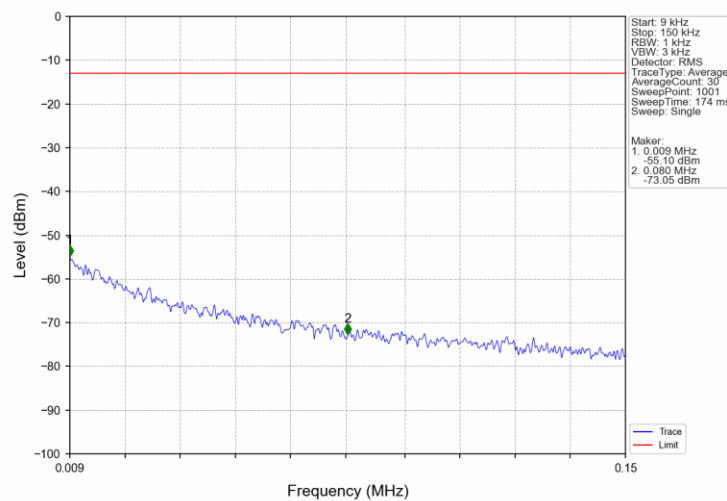
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.687	-55.85	-35	Pass
775	776.9	0.1	CHP	2	776.850	-37.53	-13	Pass
776.9	777	0.03	CHP	3	777.000	-39.88	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-39.99	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.24	-13	Pass
793	805	0.00625	CHP	6	795.432	-57.62	-35	Pass
805	810	0.1	CHP	7	805.425	-64.03	-13	Pass

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

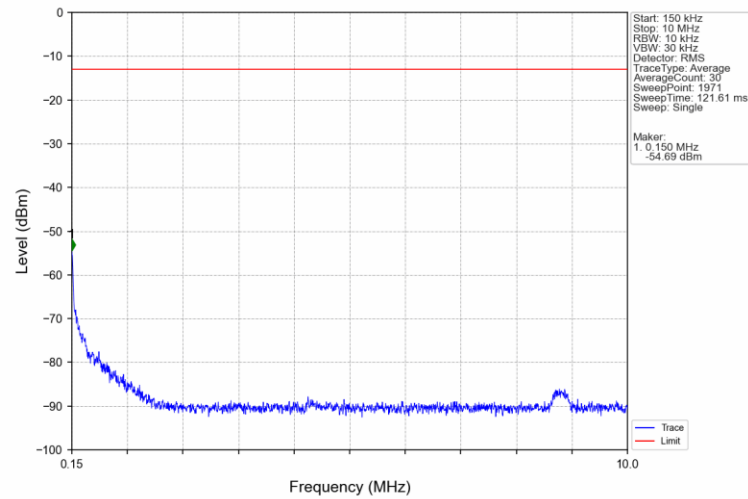


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.593	-64.11	-13	Pass
763	775	0.00625	CHP	2	774.637	-61.88	-35	Pass
775	776.9	0.1	CHP	3	776.850	-20.85	-13	Pass
776.9	777	0.03	CHP	4	777.000	-22.16	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.026	-54.47	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.91	-13	Pass

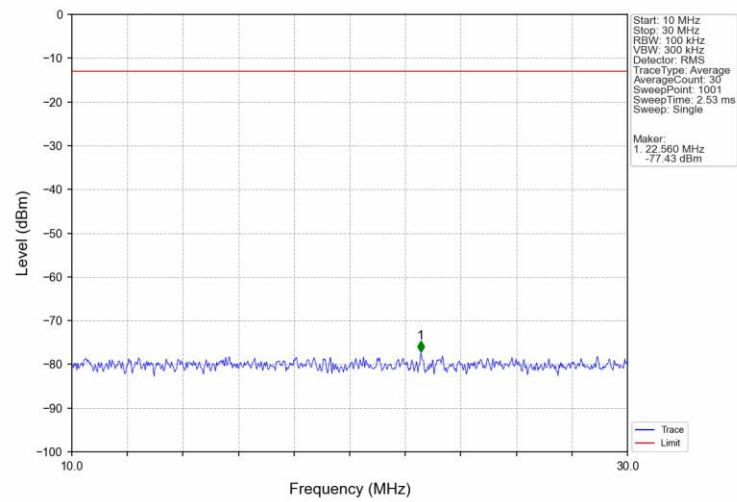
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



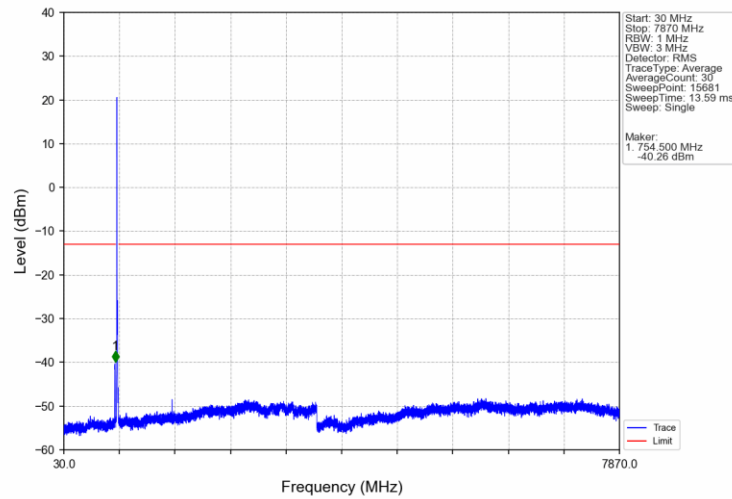
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



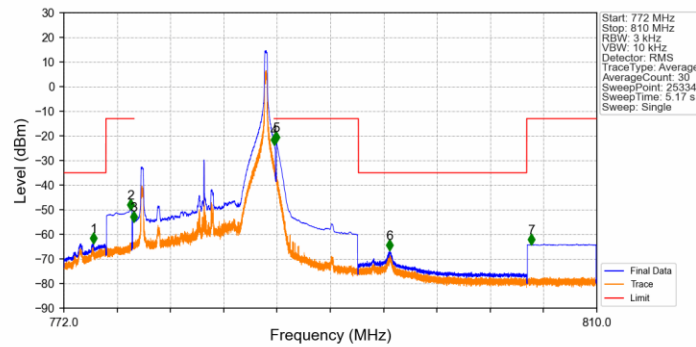
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



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



Band13 10MHz 16QAM 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	774.117	-63.41	-35	Pass
775	776.9	0.1	CHP	2	776.763	-49.80	-13	Pass
776.9	777	0.03	CHP	3	776.988	-54.72	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-23.49	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.43	-13	Pass
793	805	0.00625	CHP	6	795.234	-66.37	-35	Pass
805	810	0.1	CHP	7	805.347	-63.98	-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	0.2218	0.0133	ppm	4M60G7D	27F	23.46
13	5	779.5	784.5	0.1923	0.0121	ppm	4M62W7D	27F	22.84
13	10	782	782	0.2254	0.0118	ppm	9M03G7D	27F	23.53
13	10	782	782	0.1928	0.0123	ppm	5M17W7D	27F	22.85

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	0.1862	0.0133	ppm	4M60G7D	27F	22.70
13	5	779.5	784.5	0.1614	0.0121	ppm	4M62W7D	27F	22.08
13	10	782	782	0.1892	0.0118	ppm	9M03G7D	27F	22.77
13	10	782	782	0.1618	0.0123	ppm	5M17W7D	27F	22.09

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