

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	23.44	0.90	22.19	<=34.77	Pass
			13	23.53	0.90	22.28	<=34.77	Pass
			24	23.43	0.90	22.18	<=34.77	Pass
		12	0	22.48	0.90	21.23	<=34.77	Pass
			6	22.54	0.90	21.29	<=34.77	Pass
			13	22.77	0.90	21.52	<=34.77	Pass
		25	0	22.65	0.90	21.40	<=34.77	Pass
	782	1	0	23.00	0.90	21.75	<=34.77	Pass
			13	22.99	0.90	21.74	<=34.77	Pass
			24	22.84	0.90	21.59	<=34.77	Pass
		12	0	21.77	0.90	20.52	<=34.77	Pass
			6	22.05	0.90	20.80	<=34.77	Pass
			13	22.08	0.90	20.83	<=34.77	Pass
		25	0	21.94	0.90	20.69	<=34.77	Pass
	784.5	1	0	22.86	0.90	21.61	<=34.77	Pass
			13	23.00	0.90	21.75	<=34.77	Pass
			24	22.93	0.90	21.68	<=34.77	Pass
		12	0	21.96	0.90	20.71	<=34.77	Pass
			6	22.04	0.90	20.79	<=34.77	Pass
			13	21.72	0.90	20.47	<=34.77	Pass
		25	0	21.86	0.90	20.61	<=34.77	Pass
16QAM	779.5	1	0	22.50	0.90	21.25	<=34.77	Pass
			13	22.57	0.90	21.32	<=34.77	Pass
			24	22.54	0.90	21.29	<=34.77	Pass
		12	0	21.47	0.90	20.22	<=34.77	Pass
			6	21.53	0.90	20.28	<=34.77	Pass
			13	21.79	0.90	20.54	<=34.77	Pass
		25	0	21.68	0.90	20.43	<=34.77	Pass
	782	1	0	22.20	0.90	20.95	<=34.77	Pass
			13	22.30	0.90	21.05	<=34.77	Pass
			24	22.21	0.90	20.96	<=34.77	Pass
		12	0	20.74	0.90	19.49	<=34.77	Pass
			6	21.10	0.90	19.85	<=34.77	Pass
			13	21.09	0.90	19.84	<=34.77	Pass
		25	0	20.97	0.90	19.72	<=34.77	Pass
	784.5	1	0	21.85	0.90	20.60	<=34.77	Pass
			13	21.90	0.90	20.65	<=34.77	Pass
			24	21.86	0.90	20.61	<=34.77	Pass
		12	0	20.92	0.90	19.67	<=34.77	Pass
			6	21.03	0.90	19.78	<=34.77	Pass
			13	20.78	0.90	19.53	<=34.77	Pass
		25	0	20.91	0.90	19.66	<=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	0.90	22.19	<=34.77	Pass
			25	23.64	0.90	22.39	<=34.77	Pass
			49	23.02	0.90	21.77	<=34.77	Pass
		25	0	21.67	0.90	20.42	<=34.77	Pass
			13	21.99	0.90	20.74	<=34.77	Pass
			25	21.79	0.90	20.54	<=34.77	Pass
		50	0	21.79	0.90	20.54	<=34.77	Pass
16QAM	782	1	0	22.11	0.90	20.86	<=34.77	Pass
			25	22.34	0.90	21.09	<=34.77	Pass
			49	22.18	0.90	20.93	<=34.77	Pass
		25	0	20.76	0.90	19.51	<=34.77	Pass
			13	21.04	0.90	19.79	<=34.77	Pass
			25	20.82	0.90	19.57	<=34.77	Pass
		50	0	20.79	0.90	19.54	<=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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	102	-5.565	-0.0071	-2.5 to 2.5	Pass
					120	-5.636	-0.0072	-2.5 to 2.5	Pass
					138	-9.971	-0.0128	-2.5 to 2.5	Pass
				-30	120	-5.651	-0.0072	-2.5 to 2.5	Pass
				-20	120	-6.309	-0.0081	-2.5 to 2.5	Pass
				-10	120	-9.584	-0.0123	-2.5 to 2.5	Pass
				0	120	-2.832	-0.0036	-2.5 to 2.5	Pass
				10	120	-6.366	-0.0082	-2.5 to 2.5	Pass
				30	120	-8.340	-0.0107	-2.5 to 2.5	Pass
				40	120	-7.539	-0.0097	-2.5 to 2.5	Pass
				50	120	-8.168	-0.0105	-2.5 to 2.5	Pass
	782	25	0	20	102	-7.925	-0.0101	-2.5 to 2.5	Pass
					120	-4.663	-0.0060	-2.5 to 2.5	Pass
					138	-7.210	-0.0092	-2.5 to 2.5	Pass
				-30	120	-9.384	-0.0120	-2.5 to 2.5	Pass
				-20	120	-8.712	-0.0111	-2.5 to 2.5	Pass
				-10	120	-7.224	-0.0092	-2.5 to 2.5	Pass
				0	120	-6.108	-0.0078	-2.5 to 2.5	Pass
				10	120	-3.862	-0.0049	-2.5 to 2.5	Pass
				30	120	-5.050	-0.0065	-2.5 to 2.5	Pass
				40	120	-5.722	-0.0073	-2.5 to 2.5	Pass
				50	120	-7.224	-0.0092	-2.5 to 2.5	Pass
	784.5	25	0	20	102	-8.183	-0.0104	-2.5 to 2.5	Pass
					120	-4.349	-0.0055	-2.5 to 2.5	Pass
					138	-7.339	-0.0094	-2.5 to 2.5	Pass
				-30	120	-8.297	-0.0106	-2.5 to 2.5	Pass
				-20	120	-7.625	-0.0097	-2.5 to 2.5	Pass
				-10	120	-6.952	-0.0089	-2.5 to 2.5	Pass
				0	120	-8.368	-0.0107	-2.5 to 2.5	Pass
				10	120	-7.668	-0.0098	-2.5 to 2.5	Pass
				30	120	-8.826	-0.0113	-2.5 to 2.5	Pass
				40	120	-6.022	-0.0077	-2.5 to 2.5	Pass
				50	120	-4.563	-0.0058	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	102	-7.424	-0.0095	-2.5 to 2.5	Pass
					120	-5.336	-0.0068	-2.5 to 2.5	Pass
					138	-6.580	-0.0084	-2.5 to 2.5	Pass
				-30	120	-5.980	-0.0077	-2.5 to 2.5	Pass
				-20	120	-4.106	-0.0053	-2.5 to 2.5	Pass
				-10	120	-6.108	-0.0078	-2.5 to 2.5	Pass
				0	120	-5.393	-0.0069	-2.5 to 2.5	Pass
				10	120	-5.722	-0.0073	-2.5 to 2.5	Pass
				30	120	-3.104	-0.0040	-2.5 to 2.5	Pass
				40	120	-6.552	-0.0084	-2.5 to 2.5	Pass
				50	120	-5.007	-0.0064	-2.5 to 2.5	Pass
	782	25	0	20	102	-7.668	-0.0098	-2.5 to 2.5	Pass
					120	-6.652	-0.0085	-2.5 to 2.5	Pass
					138	-6.866	-0.0088	-2.5 to 2.5	Pass
				-30	120	-7.296	-0.0093	-2.5 to 2.5	Pass
				-20	120	-3.276	-0.0042	-2.5 to 2.5	Pass
				-10	120	-8.812	-0.0113	-2.5 to 2.5	Pass

				0	120	-6.580	-0.0084	-2.5 to 2.5	Pass
				10	120	-6.752	-0.0086	-2.5 to 2.5	Pass
				30	120	-8.998	-0.0115	-2.5 to 2.5	Pass
				40	120	-2.632	-0.0034	-2.5 to 2.5	Pass
				50	120	-4.578	-0.0059	-2.5 to 2.5	Pass
	784.5	25	0	20	102	-7.911	-0.0101	-2.5 to 2.5	Pass
					120	-5.350	-0.0068	-2.5 to 2.5	Pass
					138	-9.041	-0.0115	-2.5 to 2.5	Pass
				-30	120	-5.078	-0.0065	-2.5 to 2.5	Pass
				-20	120	-9.298	-0.0119	-2.5 to 2.5	Pass
				-10	120	-7.839	-0.0100	-2.5 to 2.5	Pass
				0	120	-7.753	-0.0099	-2.5 to 2.5	Pass
				10	120	-8.869	-0.0113	-2.5 to 2.5	Pass
				30	120	-4.563	-0.0058	-2.5 to 2.5	Pass
				40	120	-2.160	-0.0028	-2.5 to 2.5	Pass
				50	120	-6.680	-0.0085	-2.5 to 2.5	Pass

2.1.2 B13_10MHz

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	102	-7.753	-0.0099	-2.5 to 2.5	Pass
					120	-5.064	-0.0065	-2.5 to 2.5	Pass
					138	-6.523	-0.0083	-2.5 to 2.5	Pass
				-30	120	-3.748	-0.0048	-2.5 to 2.5	Pass
				-20	120	-4.849	-0.0062	-2.5 to 2.5	Pass
				-10	120	-5.908	-0.0076	-2.5 to 2.5	Pass
				0	120	-6.580	-0.0084	-2.5 to 2.5	Pass
				10	120	-9.384	-0.0120	-2.5 to 2.5	Pass
				30	120	-6.824	-0.0087	-2.5 to 2.5	Pass
				40	120	-8.726	-0.0112	-2.5 to 2.5	Pass
16QAM	782	50	0	20	102	-6.151	-0.0079	-2.5 to 2.5	Pass
					120	-7.567	-0.0097	-2.5 to 2.5	Pass
					138	-10.214	-0.0131	-2.5 to 2.5	Pass
				-30	120	-7.381	-0.0094	-2.5 to 2.5	Pass
				-20	120	-5.879	-0.0075	-2.5 to 2.5	Pass
				-10	120	-6.022	-0.0077	-2.5 to 2.5	Pass
				-10	120	-7.839	-0.0100	-2.5 to 2.5	Pass
				0	120	-7.839	-0.0100	-2.5 to 2.5	Pass
				0	120	-6.366	-0.0081	-2.5 to 2.5	Pass
				10	120	-5.422	-0.0069	-2.5 to 2.5	Pass
				30	120	-6.437	-0.0082	-2.5 to 2.5	Pass
				40	120	-6.509	-0.0083	-2.5 to 2.5	Pass
				50	120	-4.849	-0.0062	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

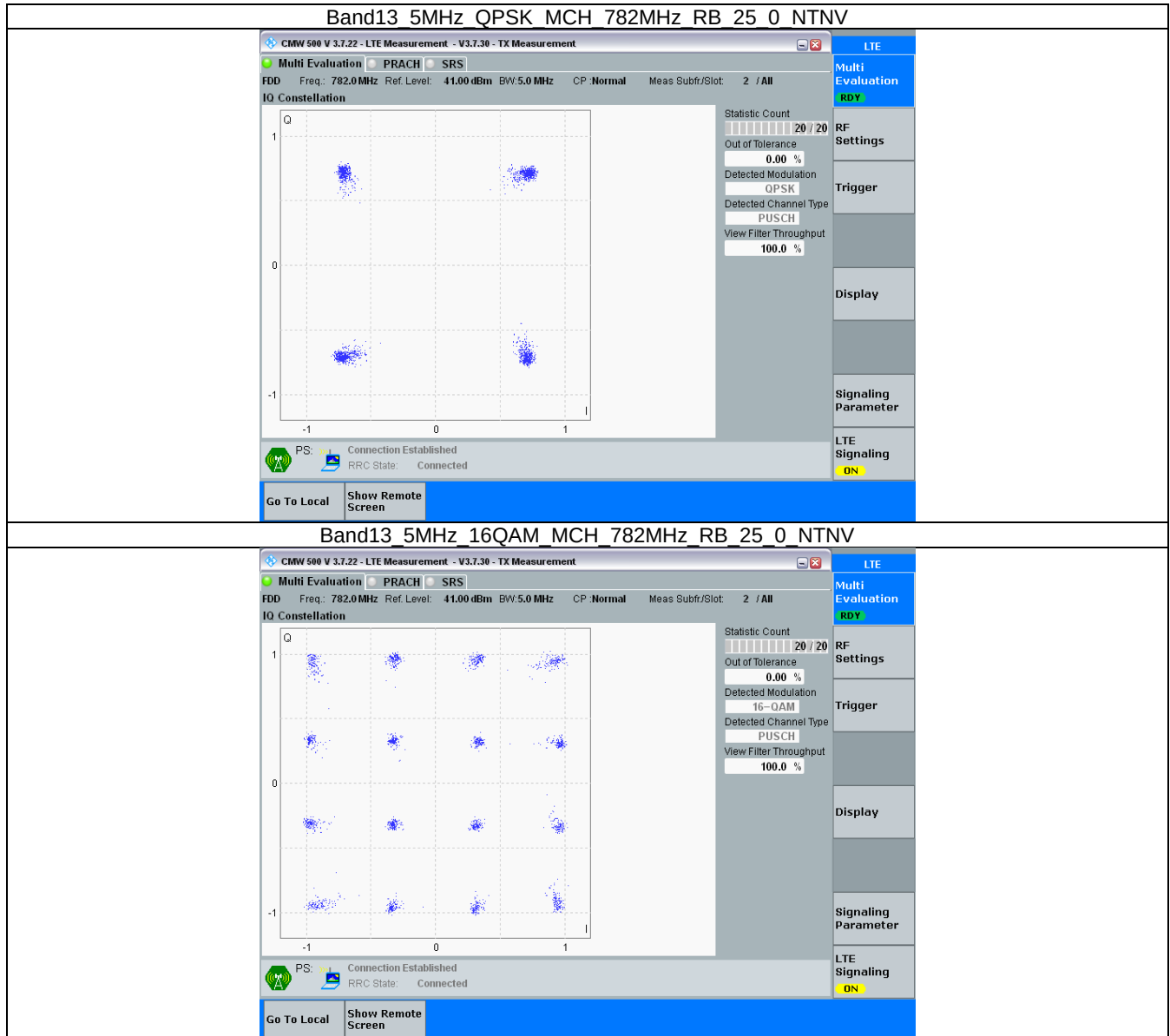
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

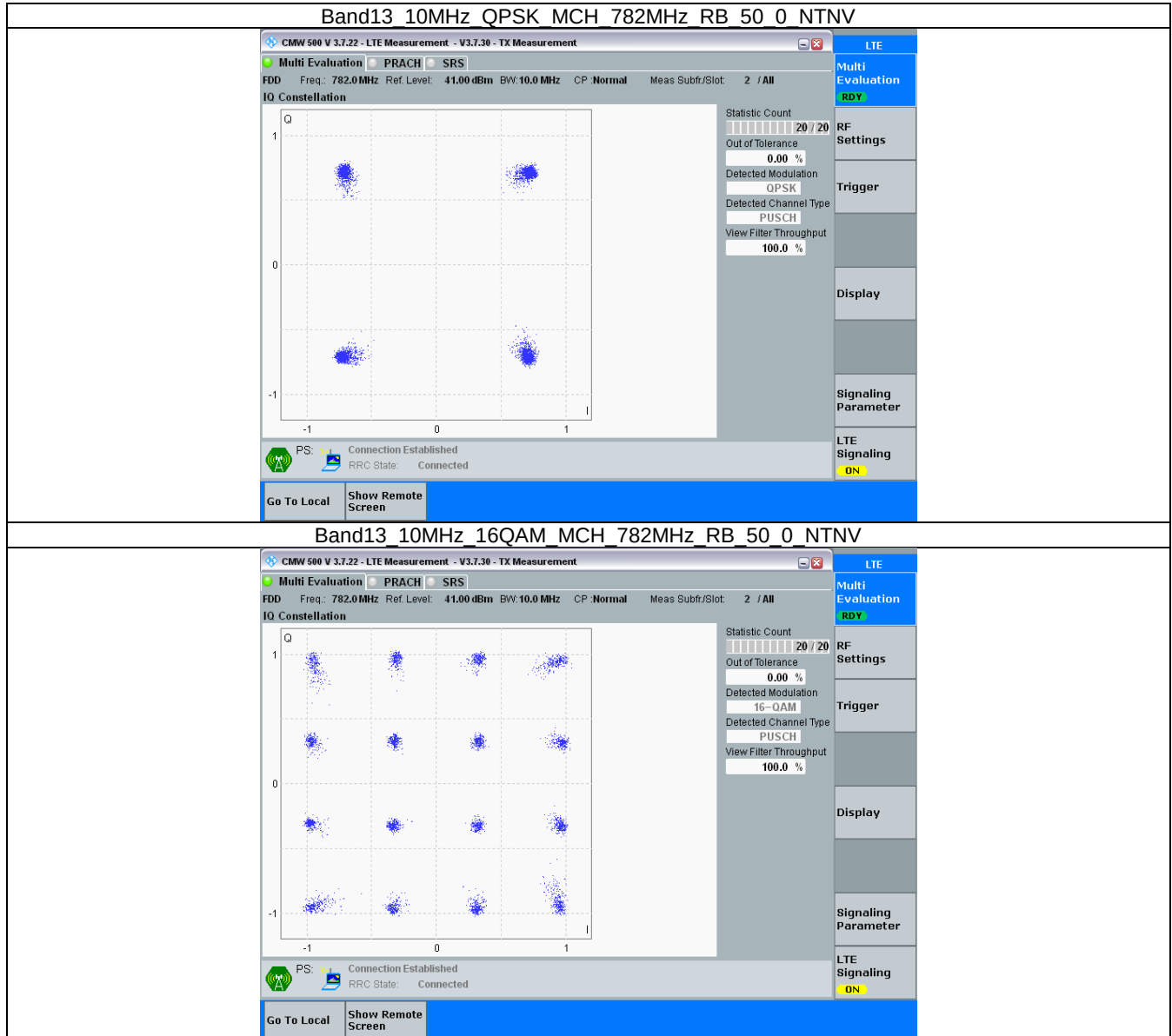
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

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

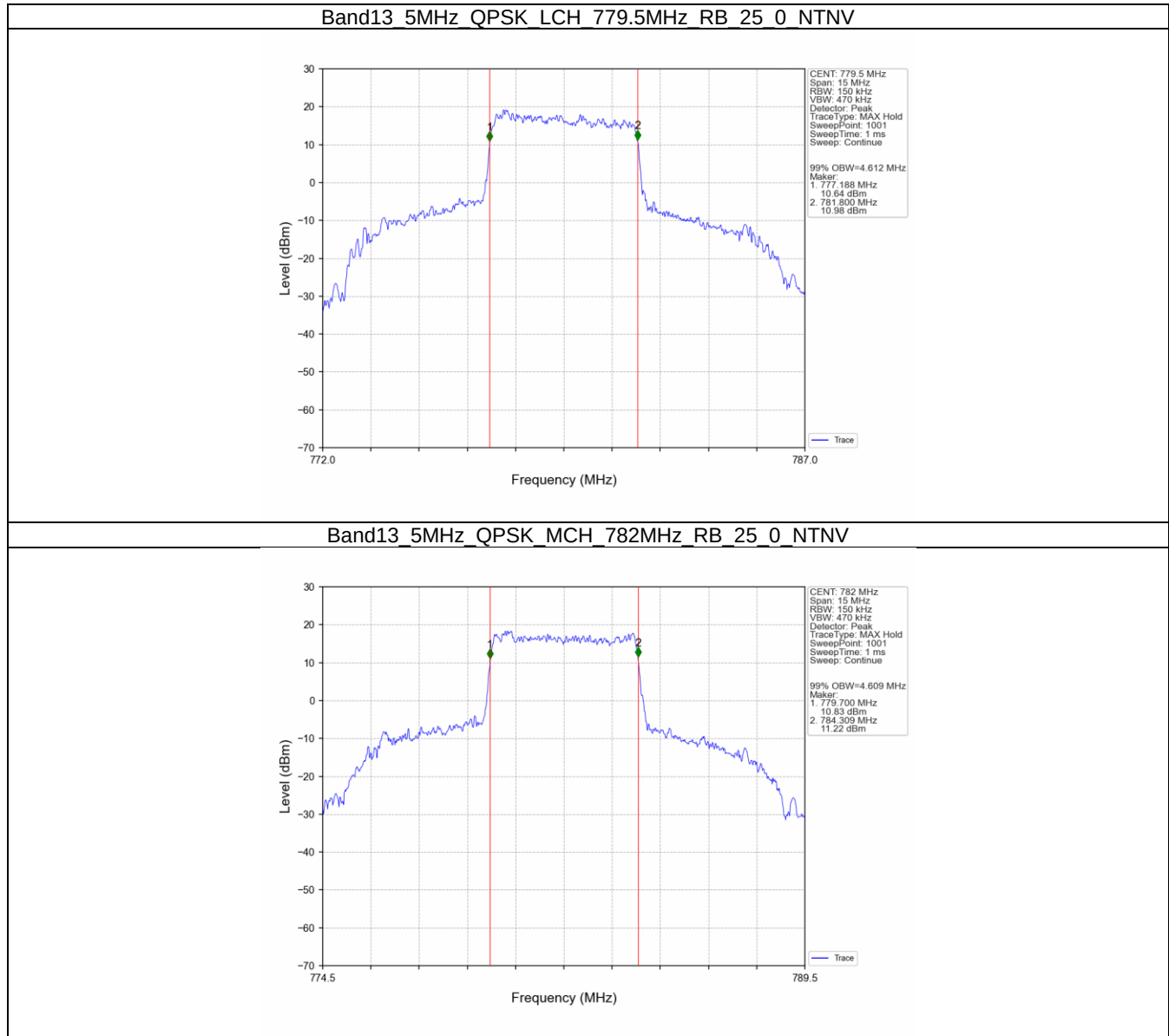
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.612	/	Pass
		782	25	0	4.609	/	Pass
		784.5	25	0	4.571	/	Pass
	16QAM	779.5	25	0	4.610	/	Pass
		782	25	0	4.646	/	Pass
		784.5	25	0	4.584	/	Pass
10	QPSK	782	50	0	9.156	/	Pass
	16QAM	782	50	0	9.148	/	Pass

4.1.2 Band13_XDB

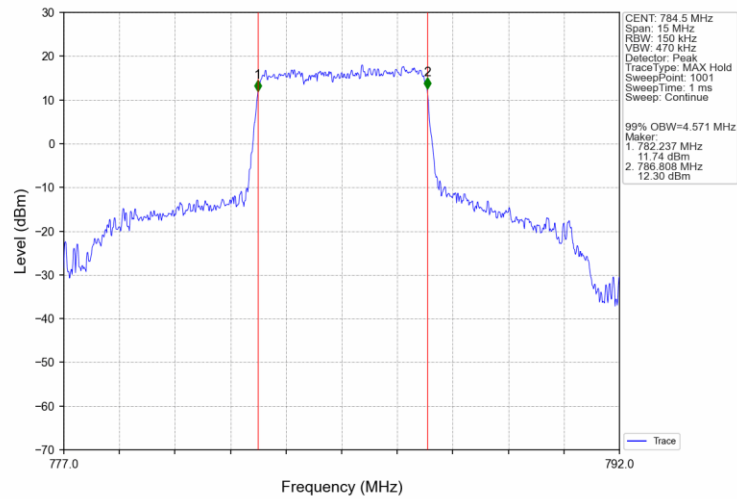
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	6.973	/	Pass
		782	25	0	8.164	/	Pass
		784.5	25	0	5.085	/	Pass
	16QAM	779.5	25	0	7.111	/	Pass
		782	25	0	7.363	/	Pass
		784.5	25	0	5.080	/	Pass
10	QPSK	782	50	0	12.934	/	Pass
	16QAM	782	50	0	13.321	/	Pass

4.2 Test Graph

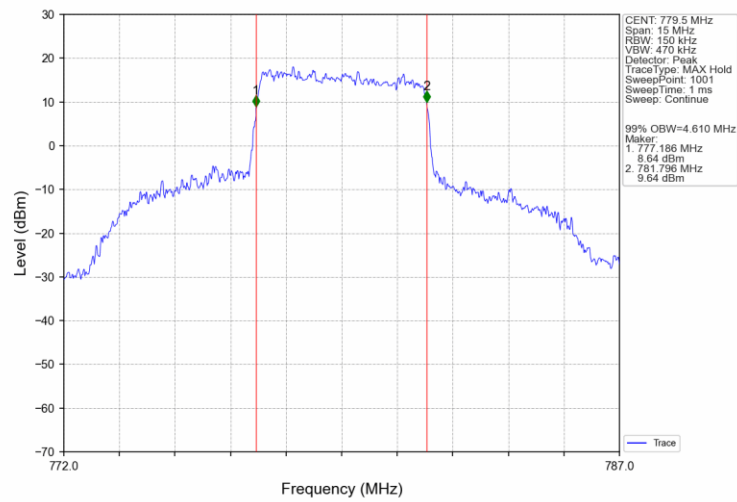
4.2.1 Band13_OBW



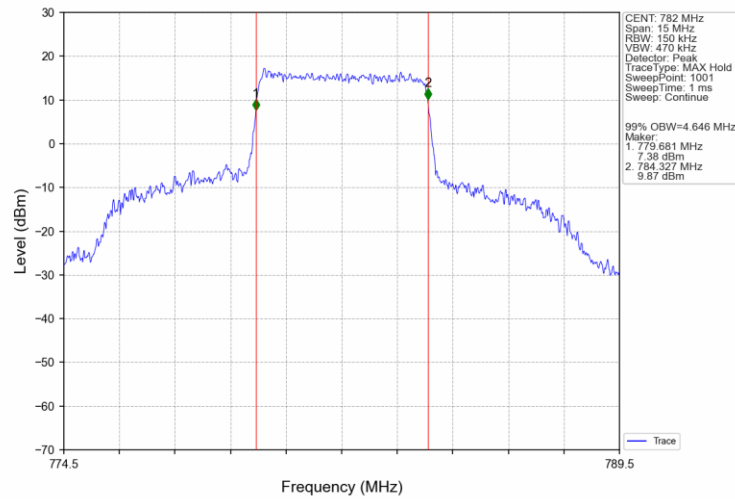
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



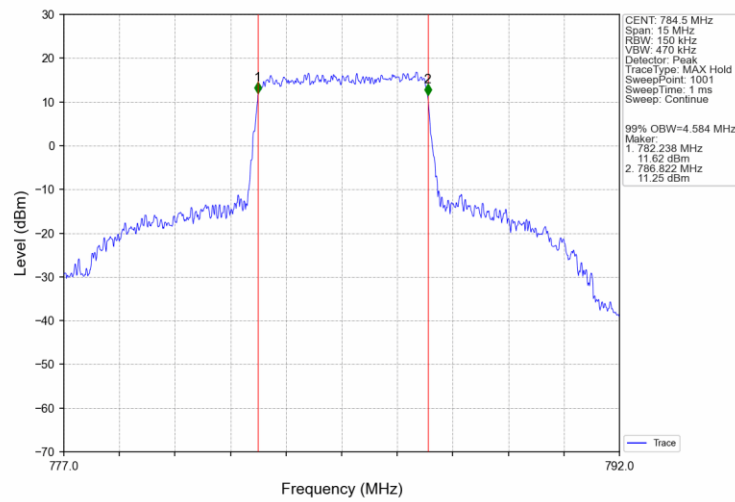
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



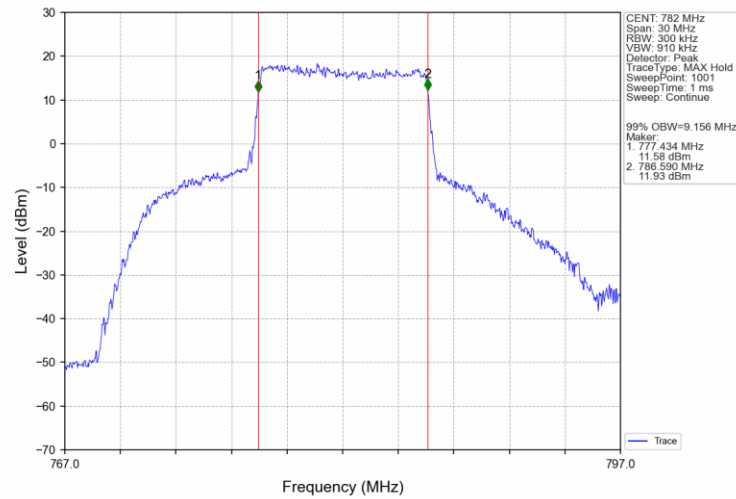
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



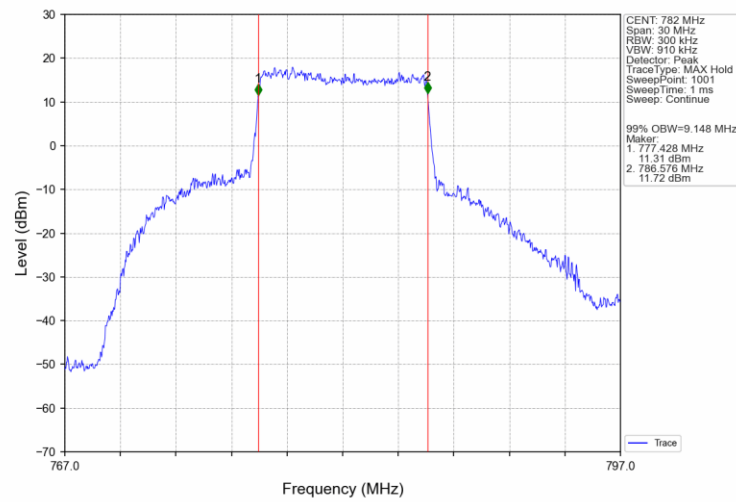
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN

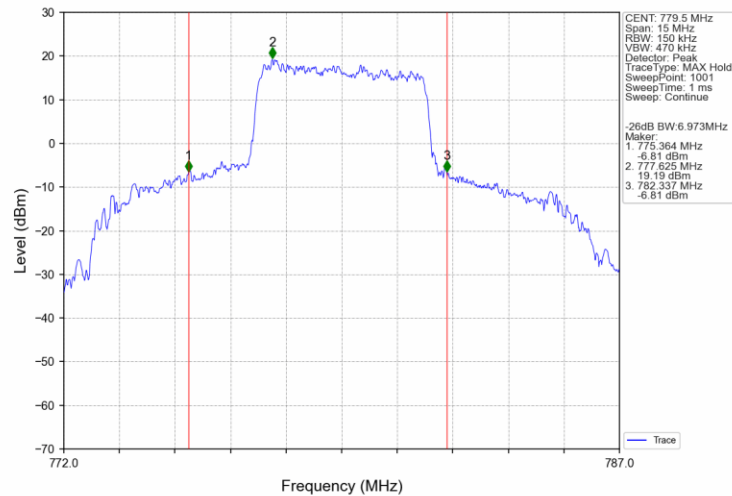


Band13 10MHz 16QAM MCH 782MHz RB 50 0 NTN

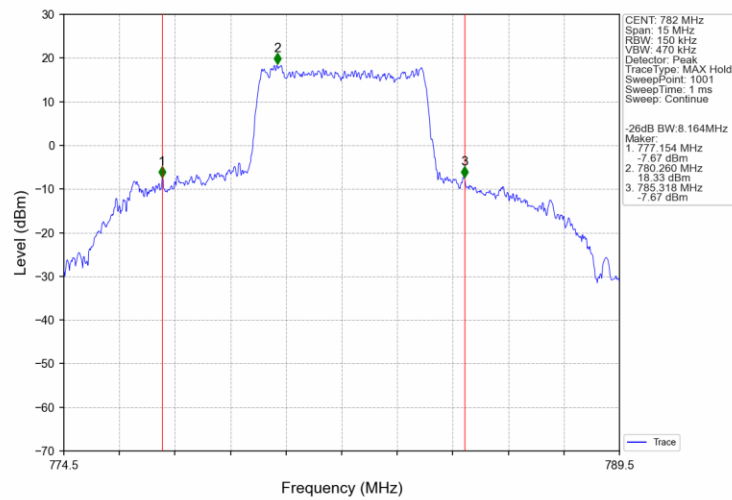


4.2.2 Band13_XDB

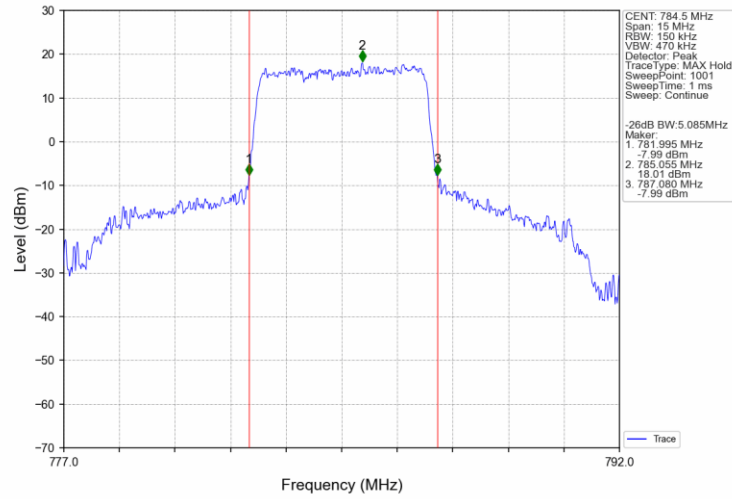
Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTNV



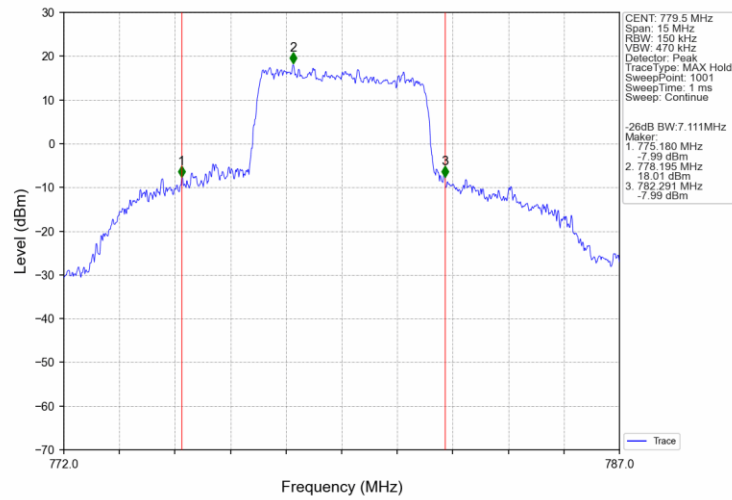
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



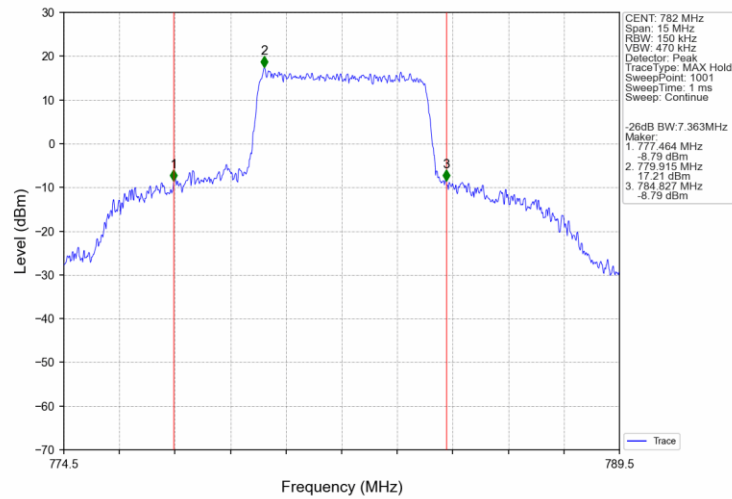
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



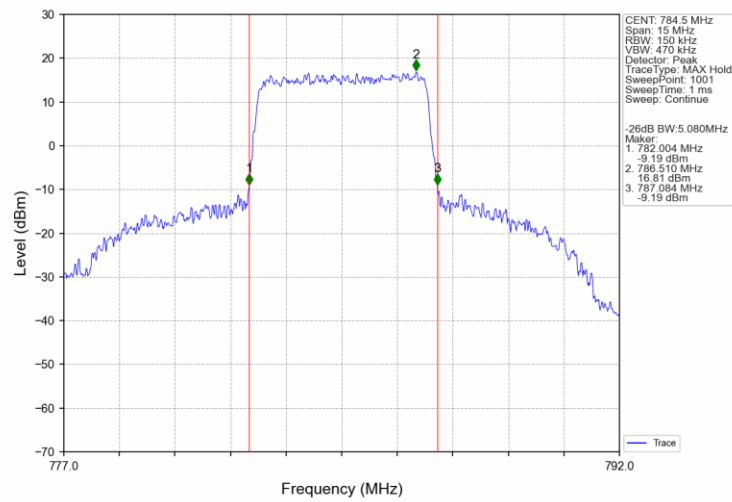
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



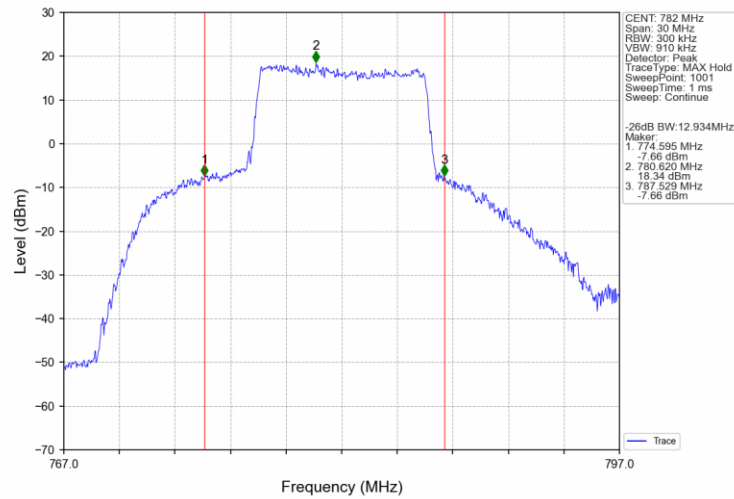
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTN



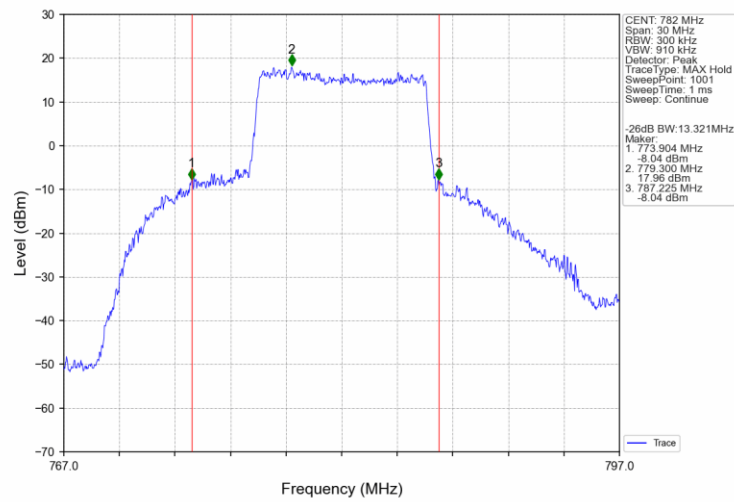
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTN



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

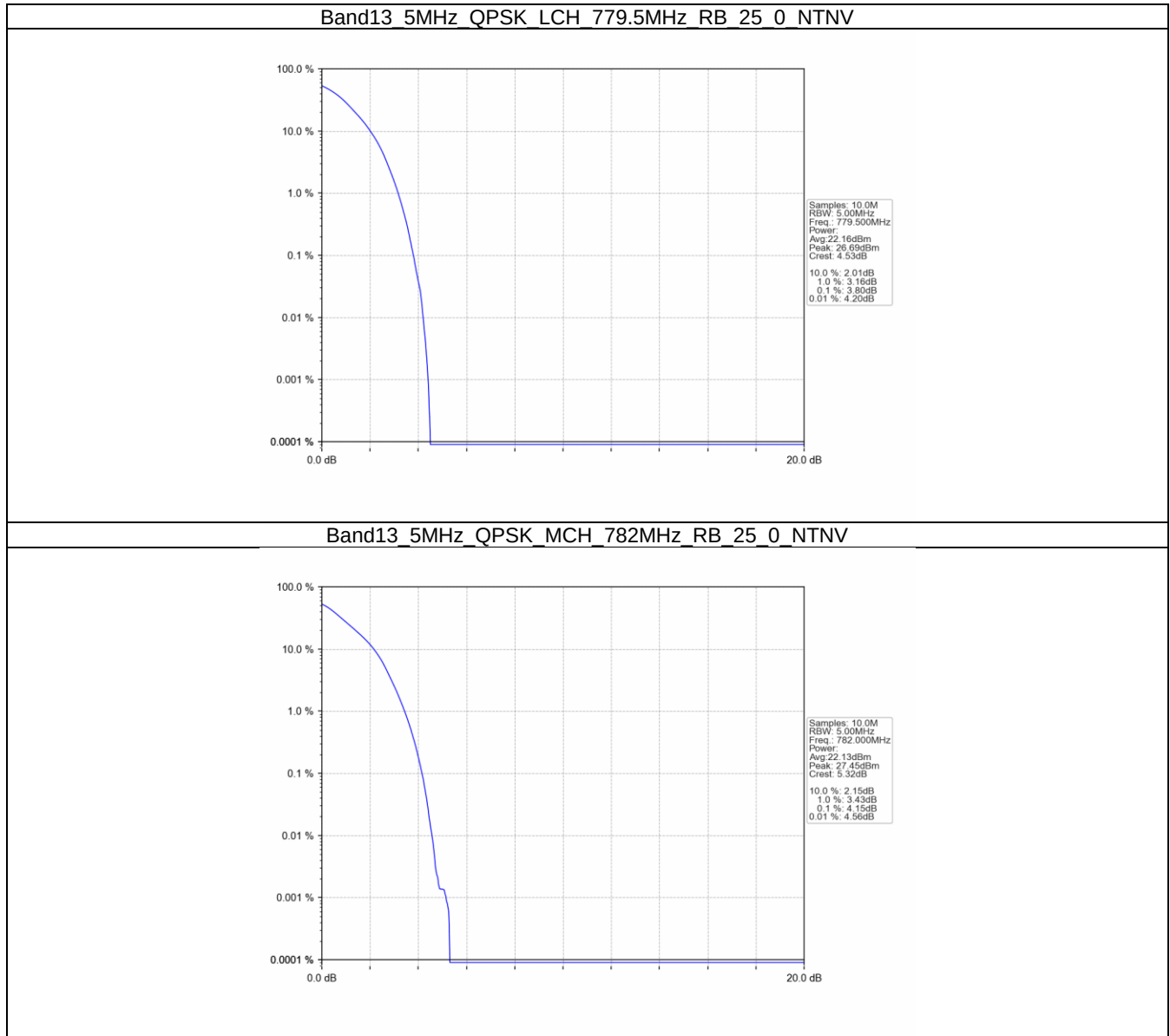
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	3.80	<=13	Pass
	782	25	0	4.15	<=13	Pass
	784.5	25	0	4.74	<=13	Pass
16QAM	779.5	25	0	4.46	<=13	Pass
	782	25	0	4.77	<=13	Pass
	784.5	25	0	5.47	<=13	Pass

5.1.2 B13_10MHz

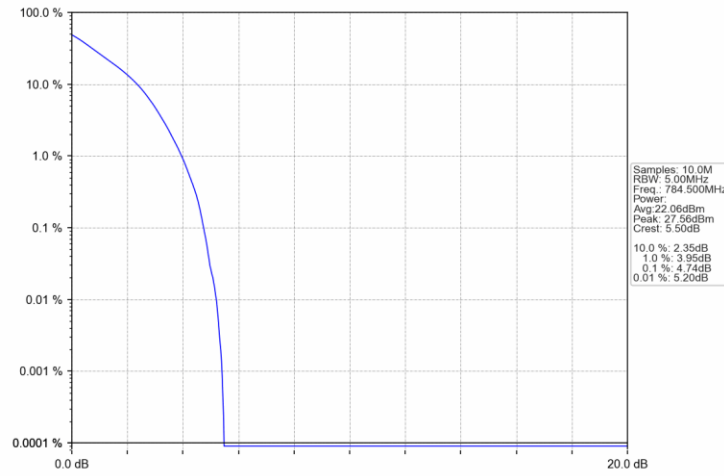
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	4.40	<=13	Pass
16QAM	782	50	0	5.04	<=13	Pass

5.2 Test Graph

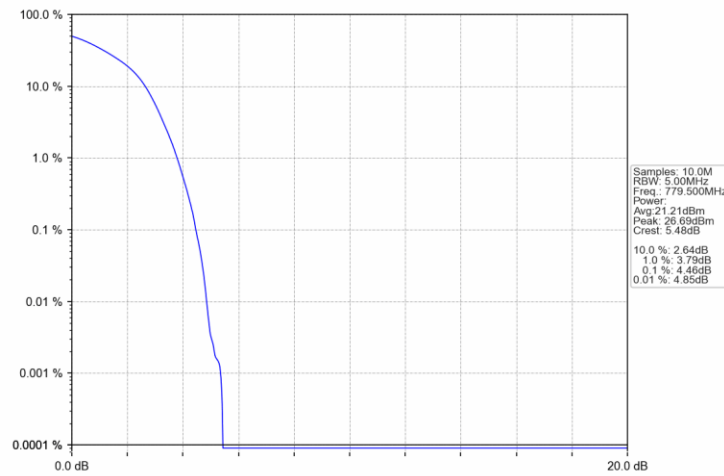
5.2.1 B13_5MHz



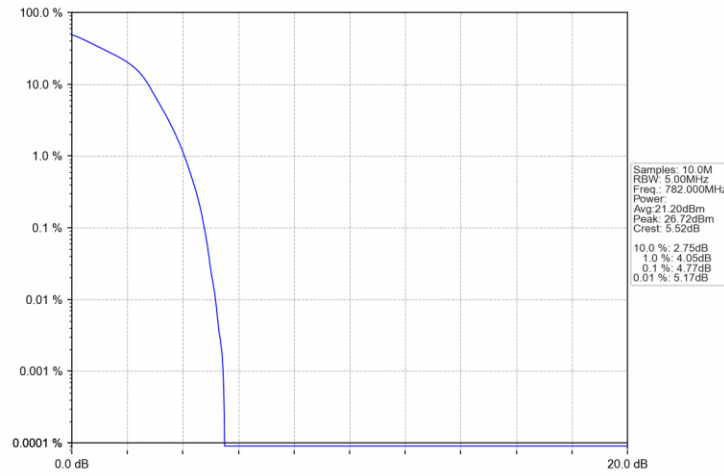
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



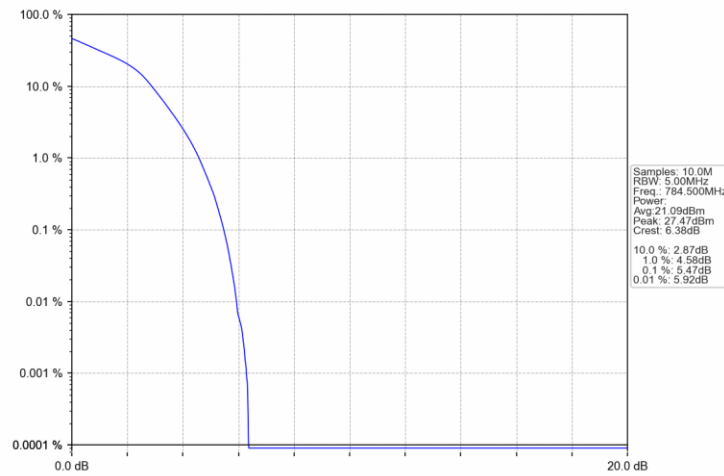
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

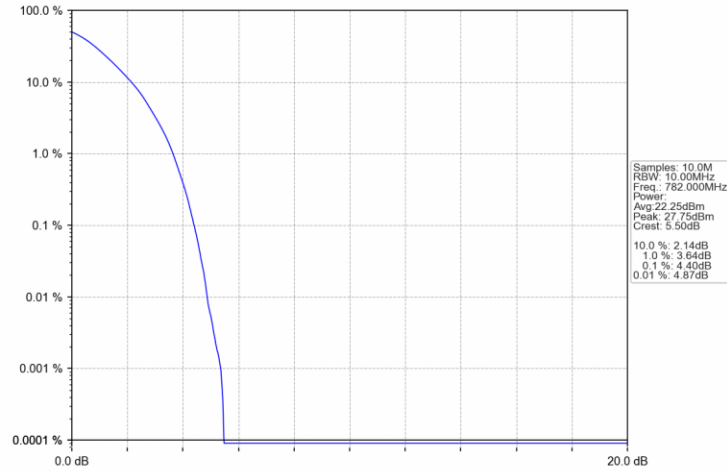


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

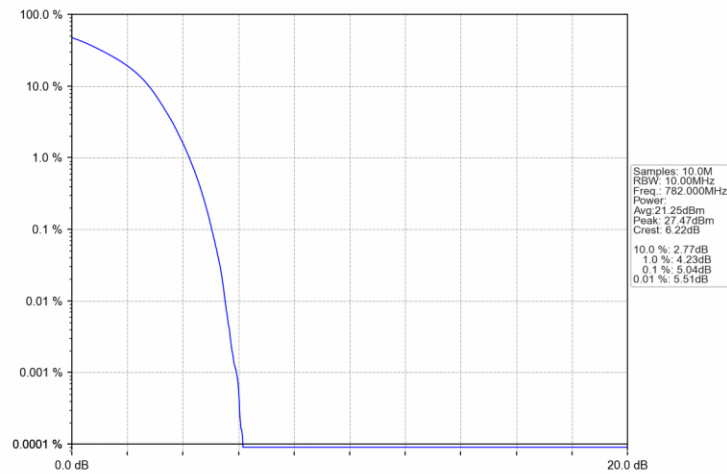


5.2.2 B13_10MHz

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

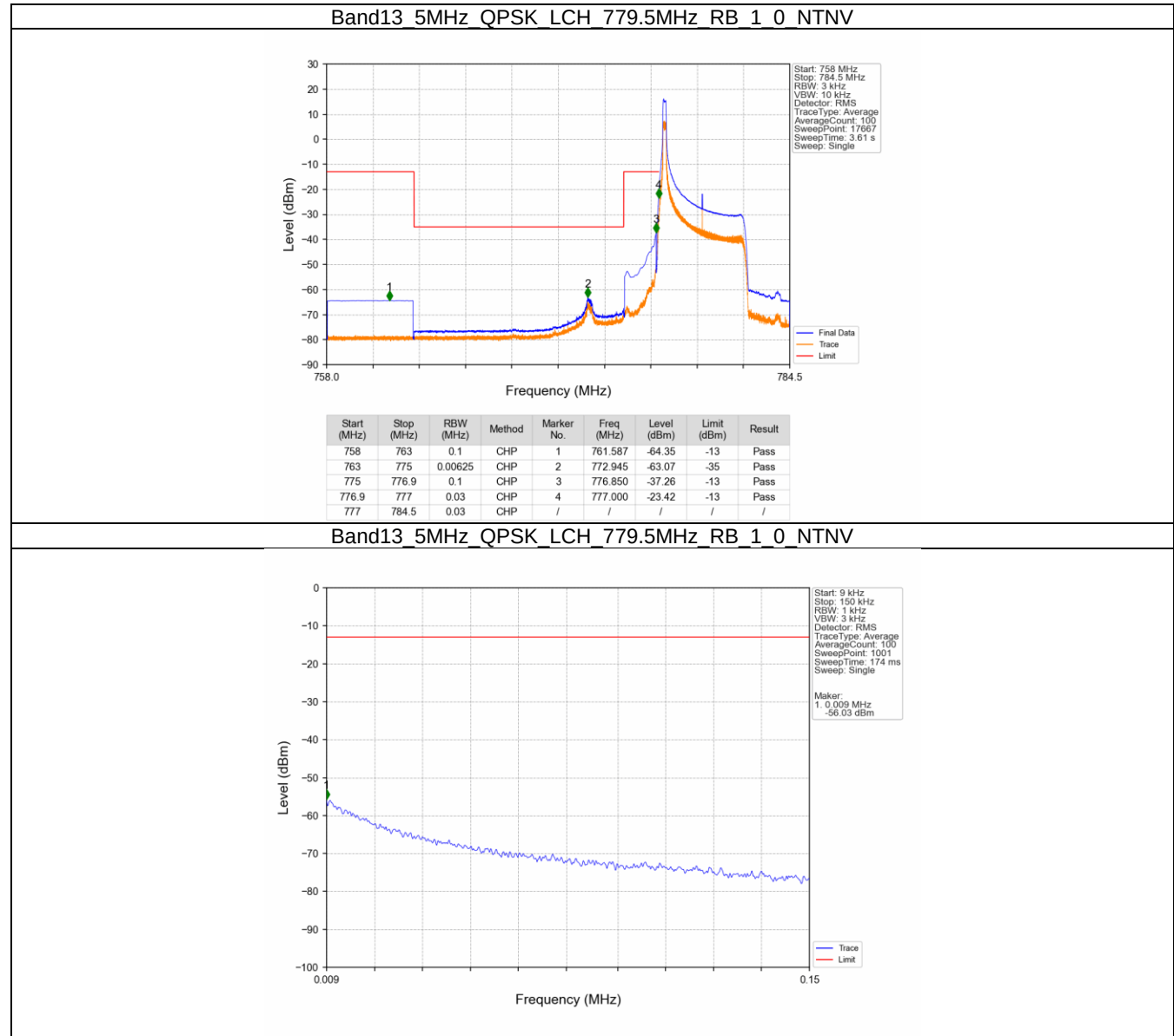
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

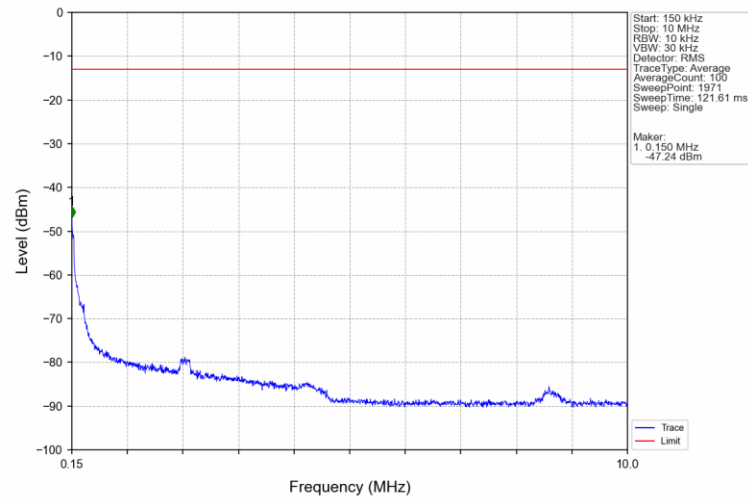
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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

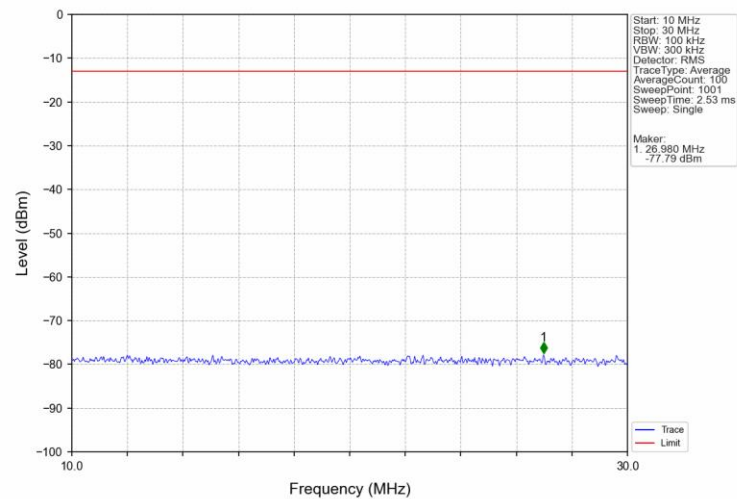
6.2.1 B13_5MHz



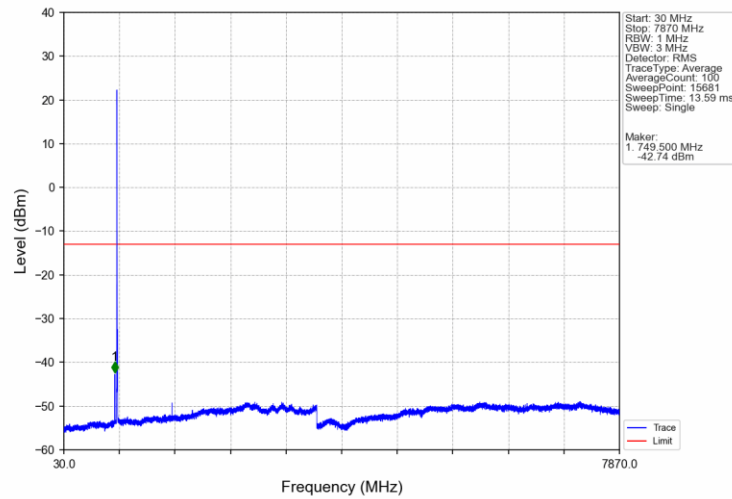
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN



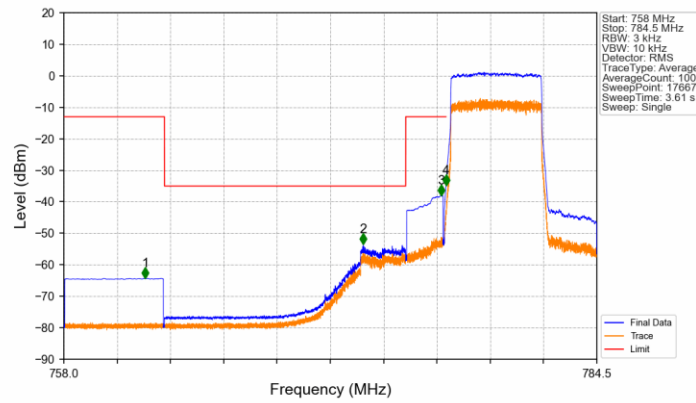
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN



Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTN

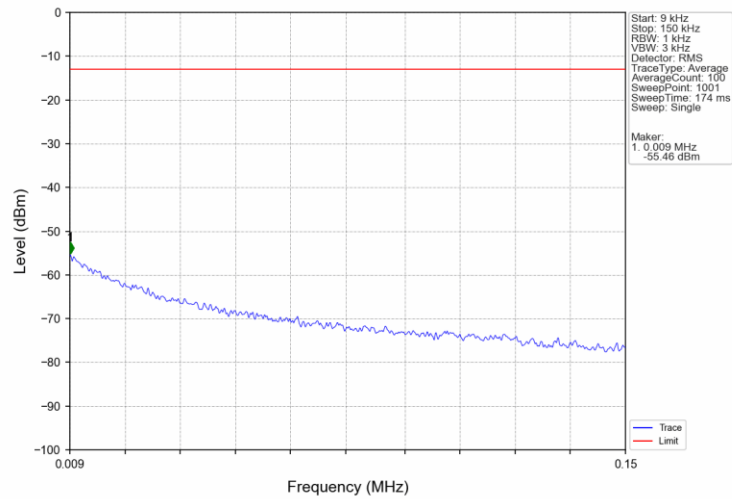


Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTN

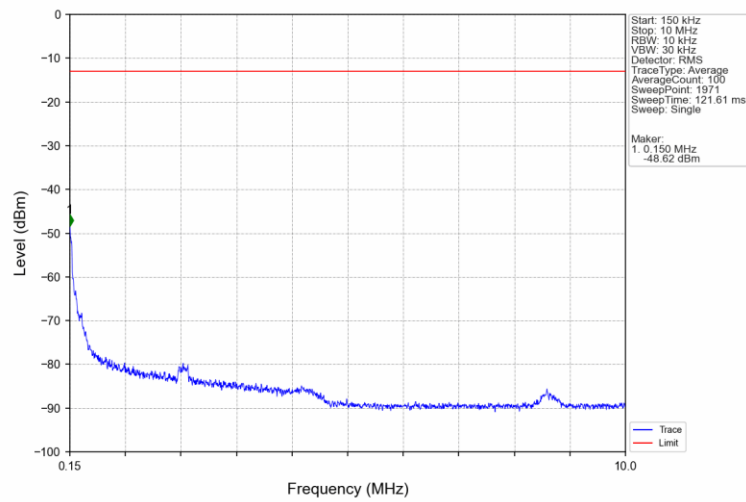


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.050	-64.37	-13	Pass
763	775	0.00625	CHP	2	772.891	-53.43	-35	Pass
775	776.9	0.1	CHP	3	776.776	-38.05	-13	Pass
776.9	777	0.03	CHP	4	777.000	-34.82	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

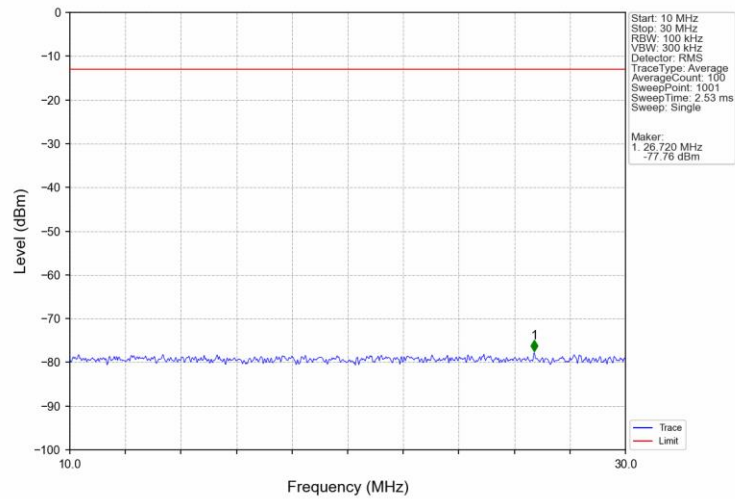
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



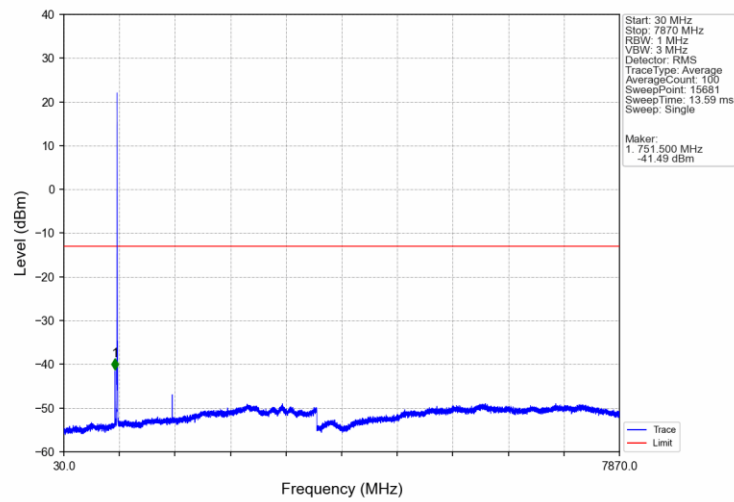
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTN



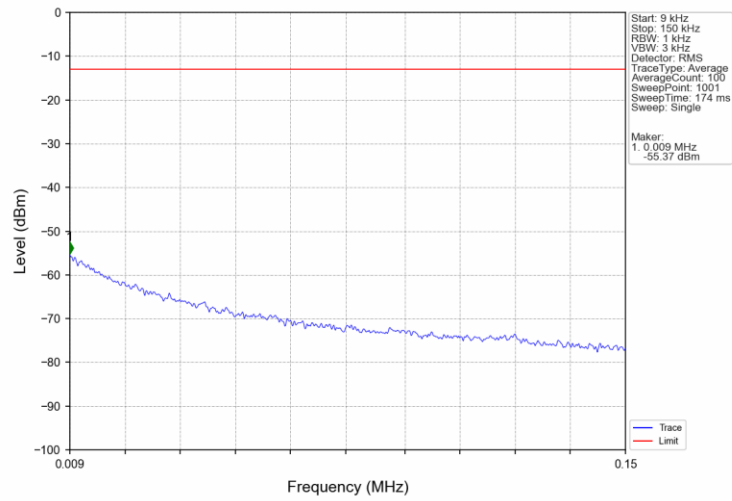
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTNV



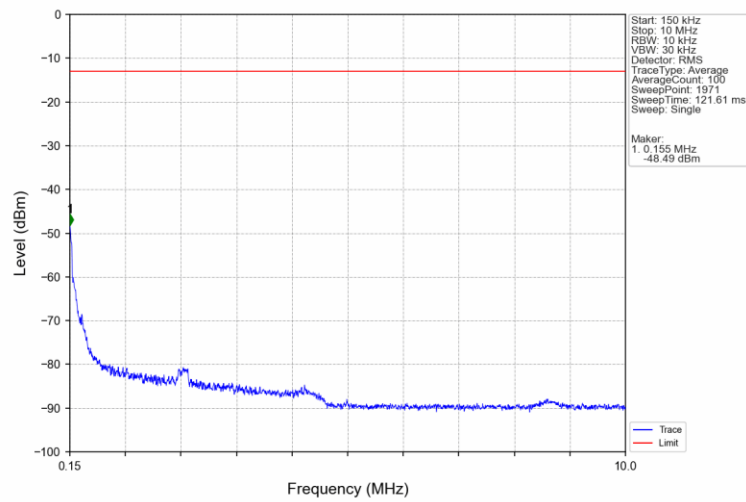
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTNV



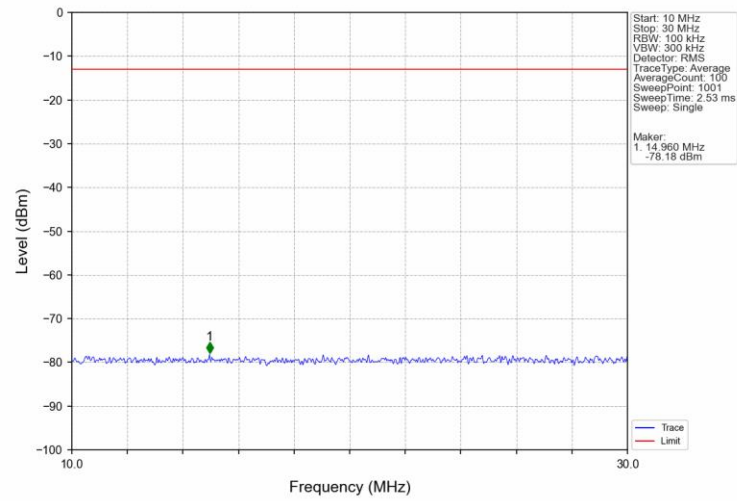
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



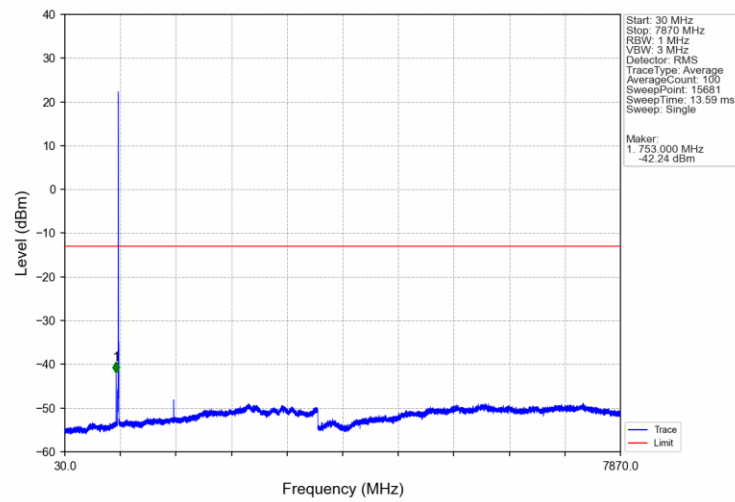
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



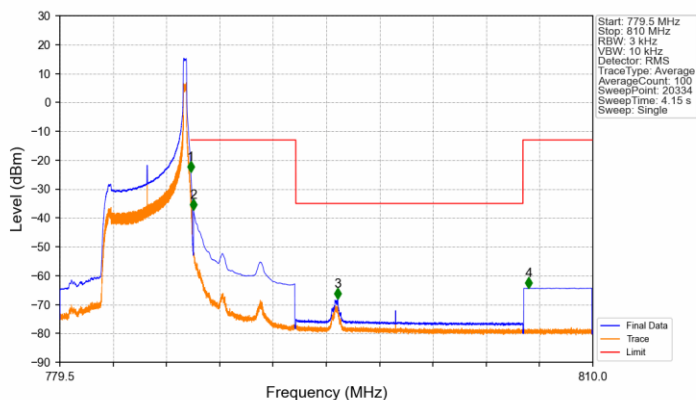
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN

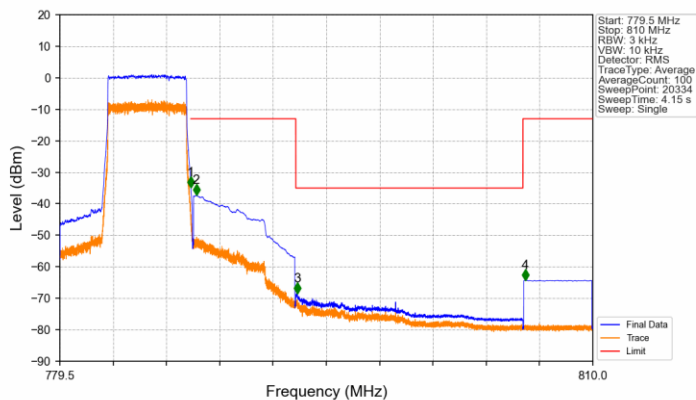


Band13 5MHz QPSK HCH 784.5MHz RB 1 24 NTV



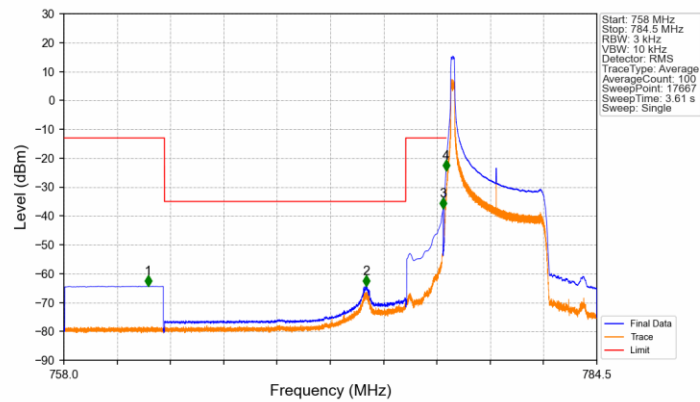
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-24.08	-13	Pass
787.1	793	0.1	CHP	2	787.150	-37.19	-13	Pass
793	806	0.00625	CHP	3	795.408	-68.00	-35	Pass
806	810	0.1	CHP	4	806.329	-64.28	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV

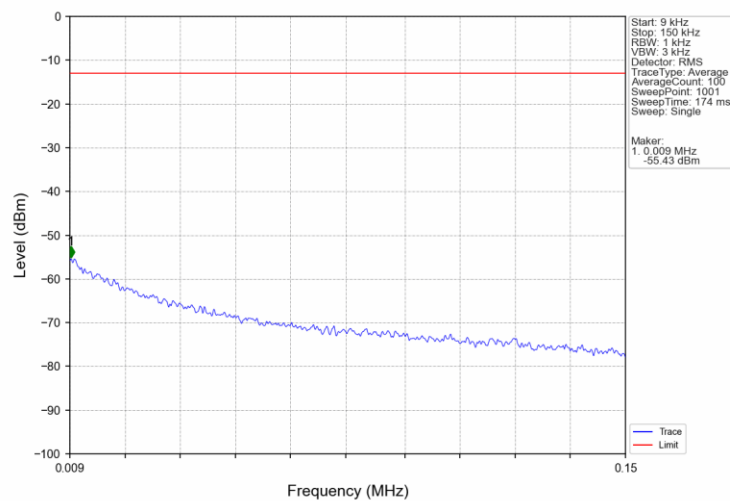


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-34.86	-13	Pass
787.1	793	0.1	CHP	2	787.311	-37.31	-13	Pass
793	806	0.00625	CHP	3	793.087	-68.43	-35	Pass
806	810	0.1	CHP	4	806.130	-64.31	-13	Pass

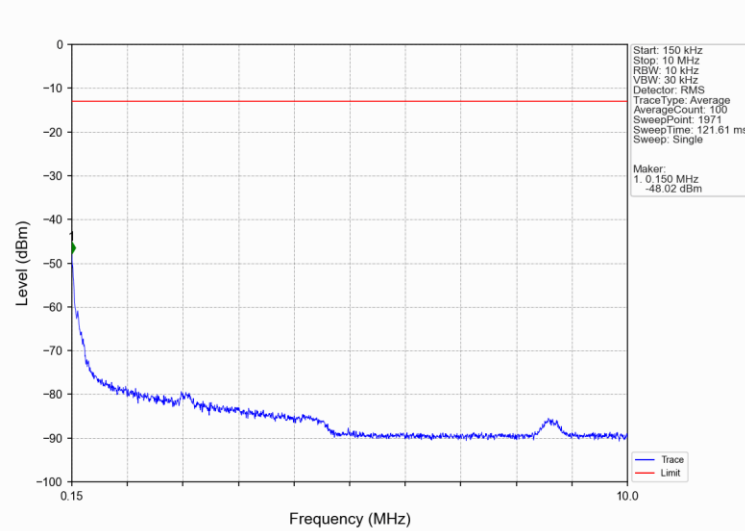
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



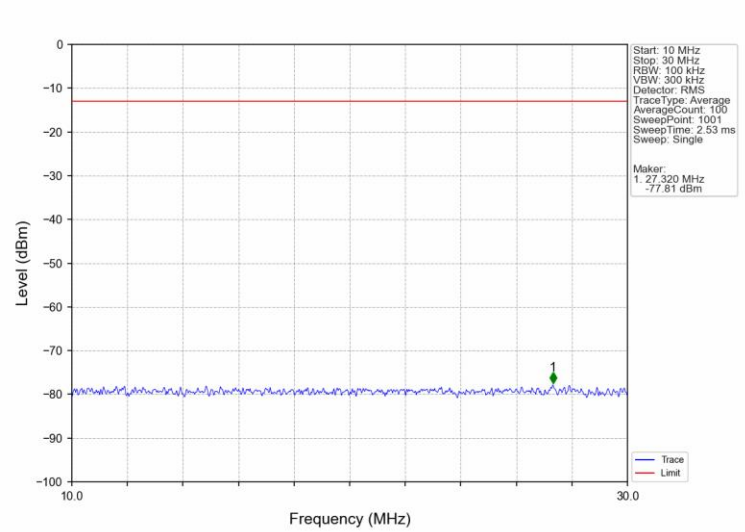
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



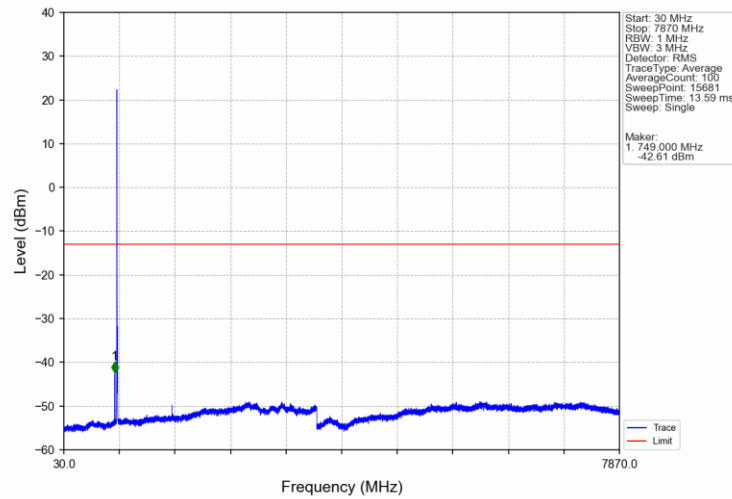
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



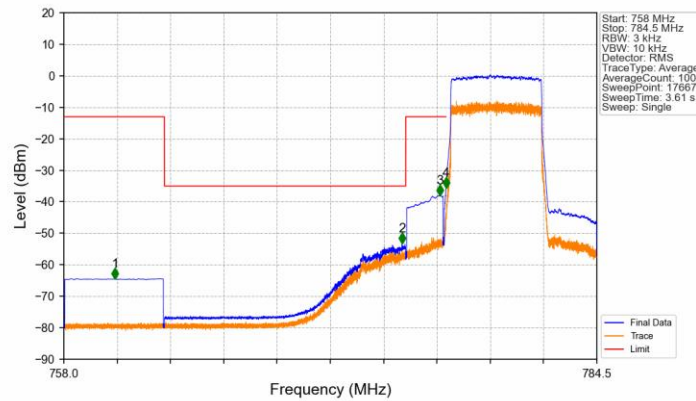
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



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

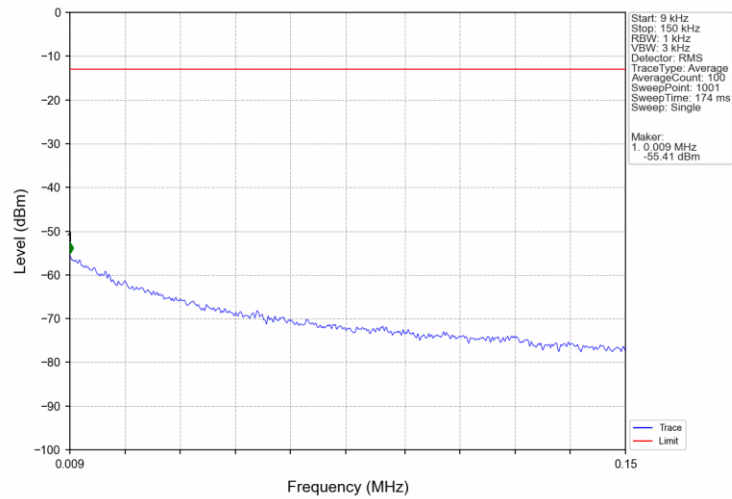


Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV

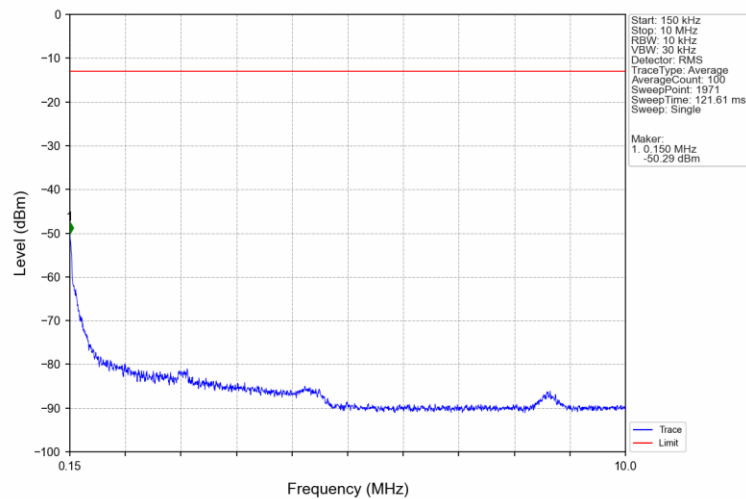


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.543	-64.44	-13	Pass
763	775	0.00625	CHP	2	774.811	-53.23	-35	Pass
775	776.9	0.1	CHP	3	776.713	-38.04	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.67	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

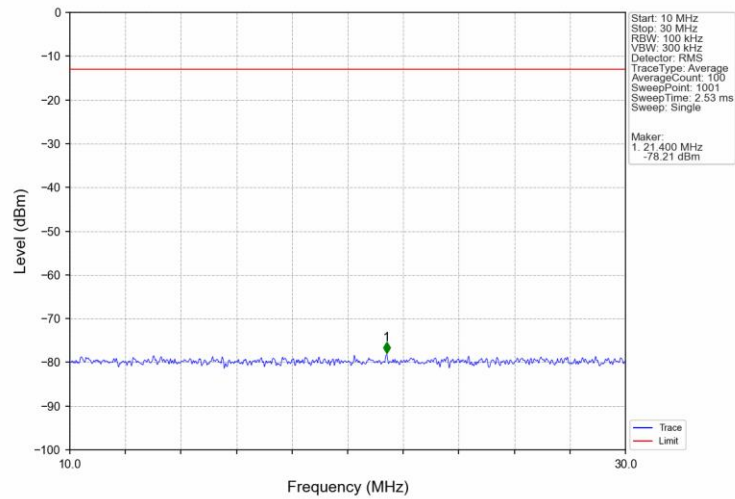
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



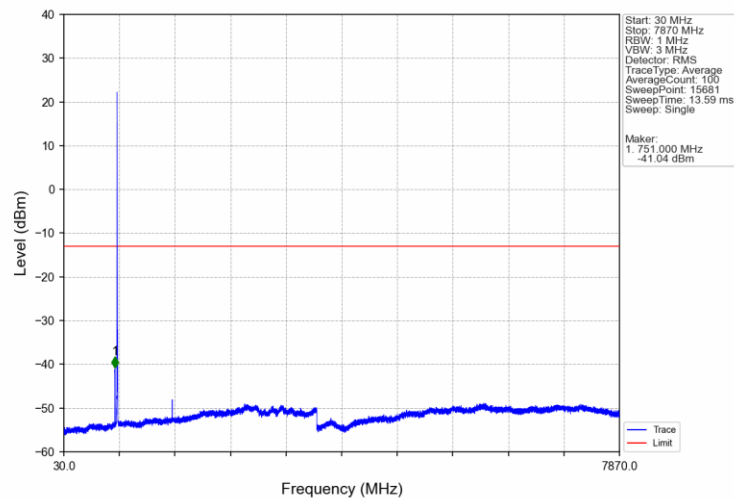
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



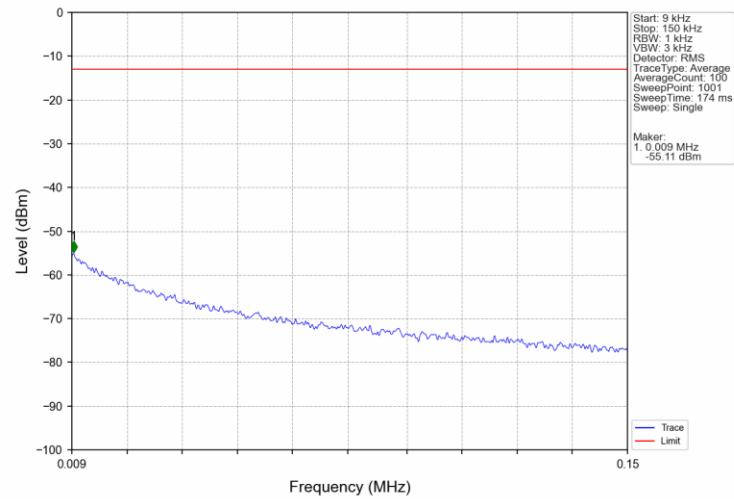
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



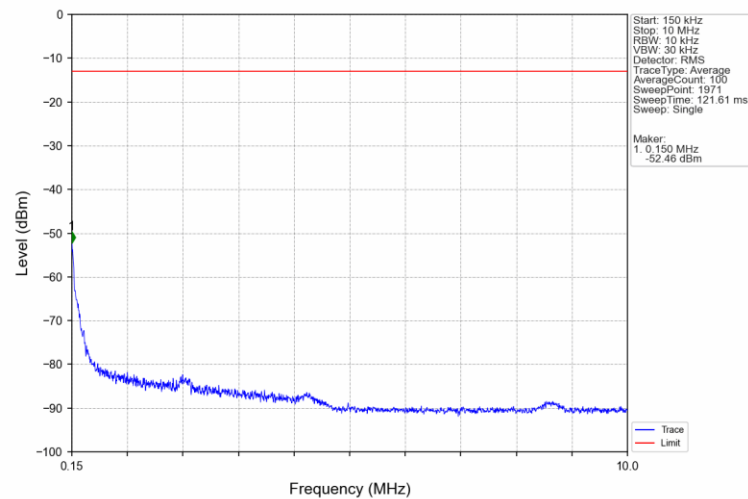
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



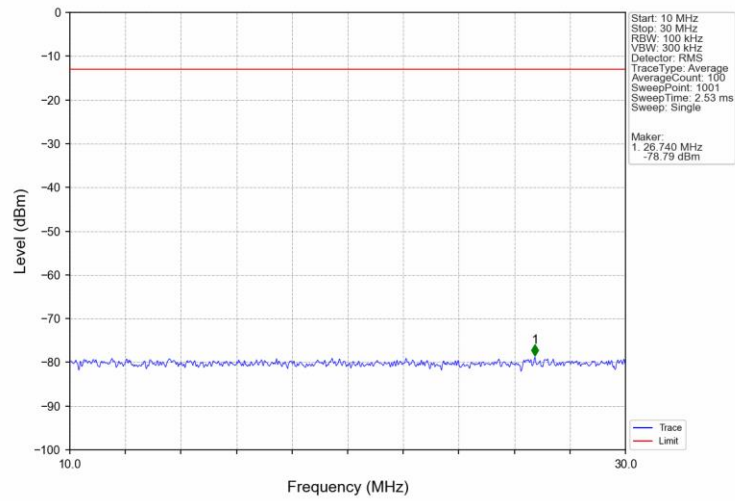
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



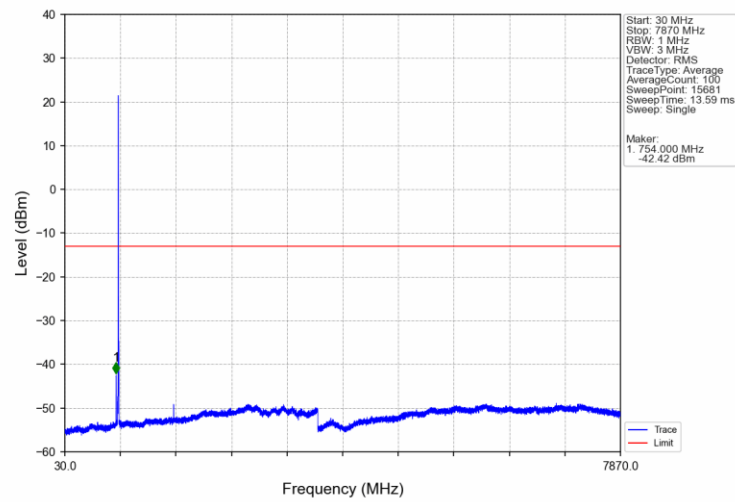
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



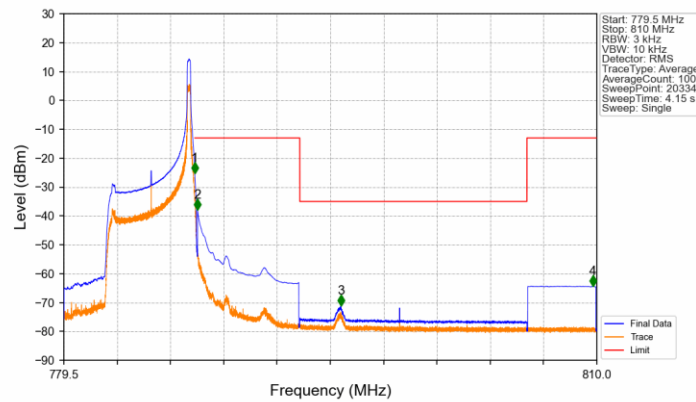
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



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

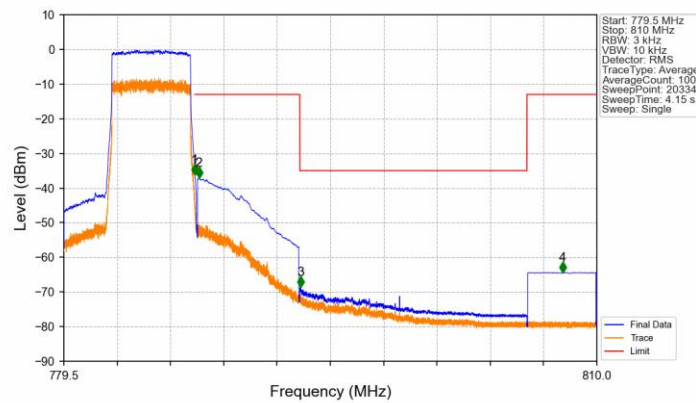


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTNV



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	-25.30	-13	Pass
787.1	793	0.1	CHP	2	787.150	-37.88	-13	Pass
793	806	0.00625	CHP	3	795.355	-71.16	-35	Pass
806	810	0.1	CHP	4	809.779	-64.31	-13	Pass

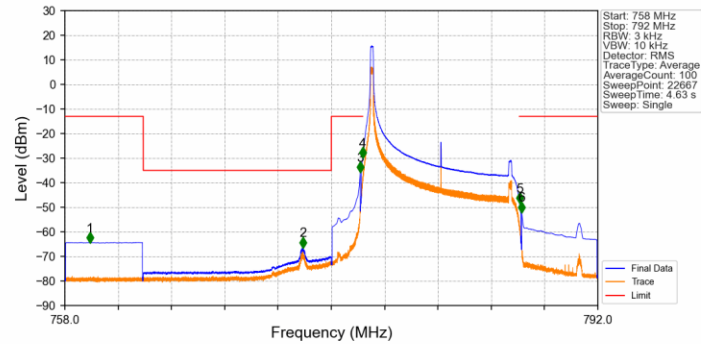
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



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	-36.18	-13	Pass
787.1	793	0.1	CHP	2	787.236	-37.16	-13	Pass
793	806	0.00625	CHP	3	793.042	-68.59	-35	Pass
806	810	0.1	CHP	4	808.045	-64.38	-13	Pass

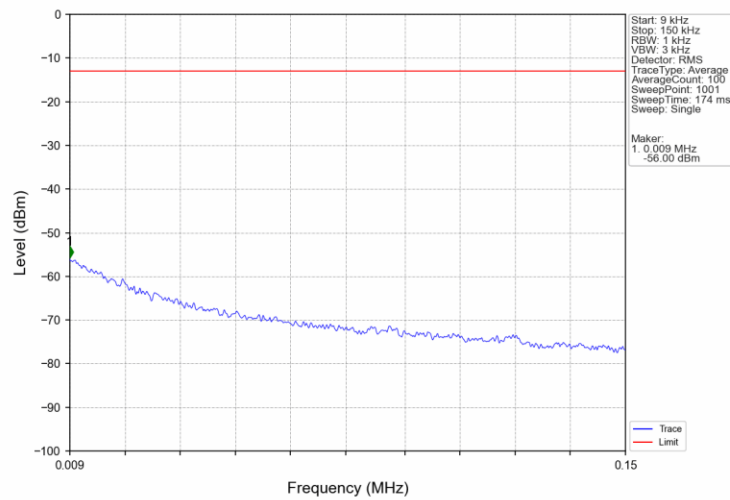
6.2.2 B13_10MHz

Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN

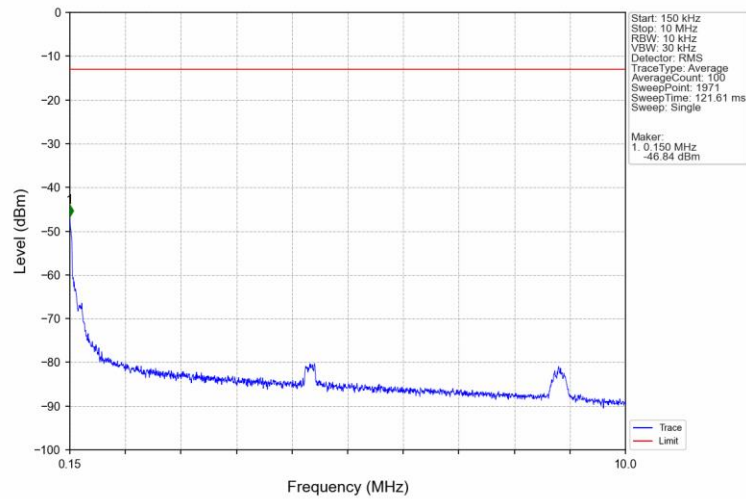


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.605	-64.32	-13	Pass
763	775	0.00625	CHP	2	773.192	-66.14	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.50	-13	Pass
776.9	777	0.03	CHP	4	777.000	-29.59	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-48.01	-13	Pass
787.1	792	0.1	CHP	6	787.150	-51.84	-13	Pass

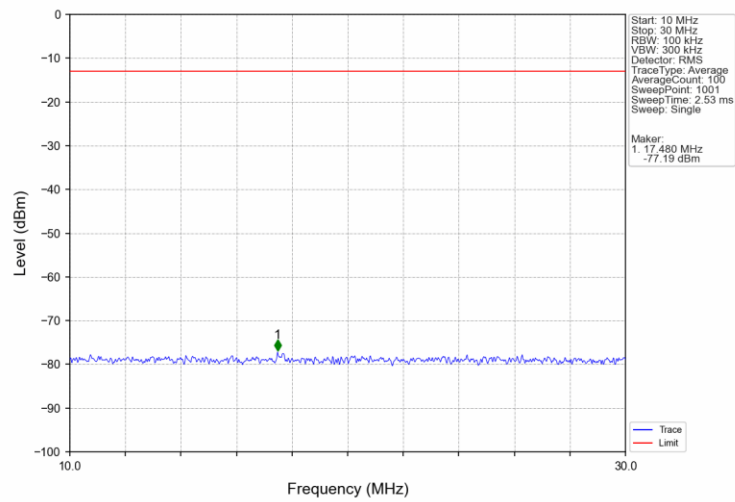
Band13 10MHz QPSK LCH 782MHz RB 1 0 NTN



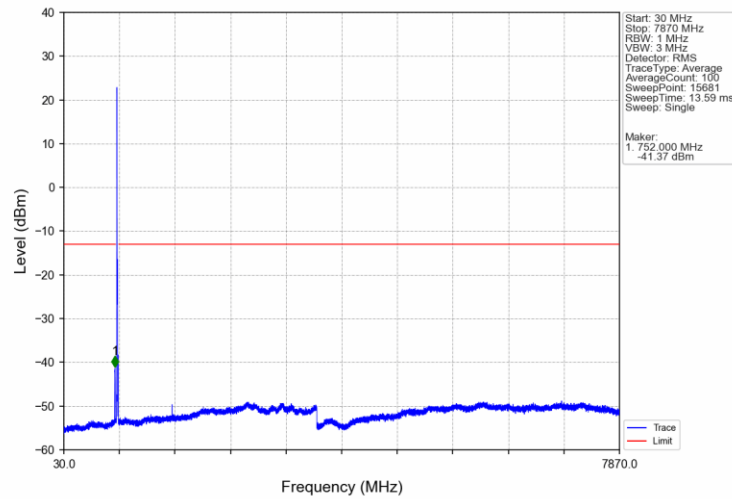
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



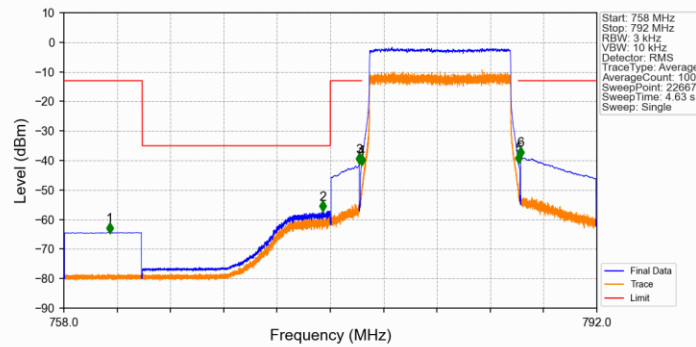
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

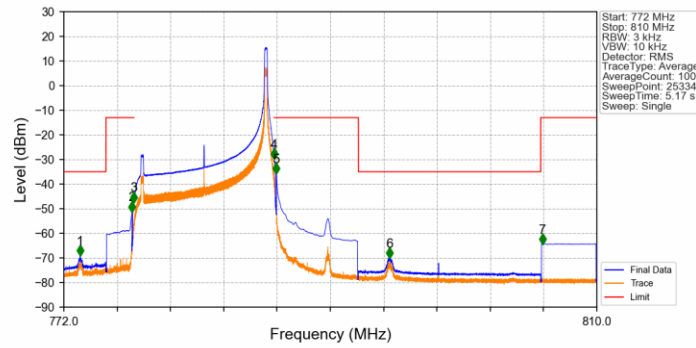


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



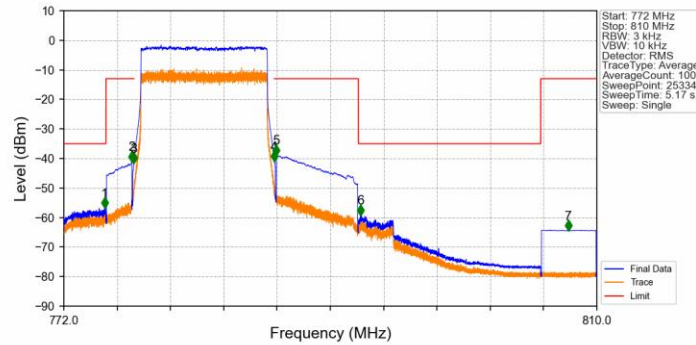
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.927	-64.35	-13	Pass
763	775	0.00625	CHP	2	774.523	-57.01	-35	Pass
775	776.9	0.1	CHP	3	776.850	-40.98	-13	Pass
776.9	777	0.03	CHP	4	777.000	-41.37	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-40.62	-13	Pass
787.1	792	0.1	CHP	6	787.150	-38.76	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTNV



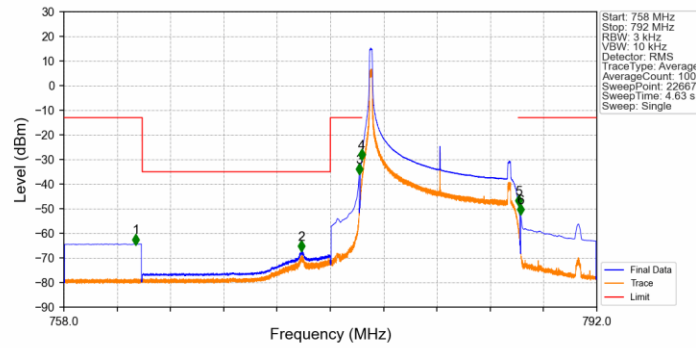
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.163	-68.88	-35	Pass
775	776.9	0.1	CHP	2	776.850	-51.05	-13	Pass
776.9	777	0.03	CHP	3	777.000	-47.18	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-29.64	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.59	-13	Pass
793	806	0.00625	CHP	6	795.237	-69.87	-35	Pass
806	810	0.1	CHP	7	806.142	-64.27	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 50 0 NTNV

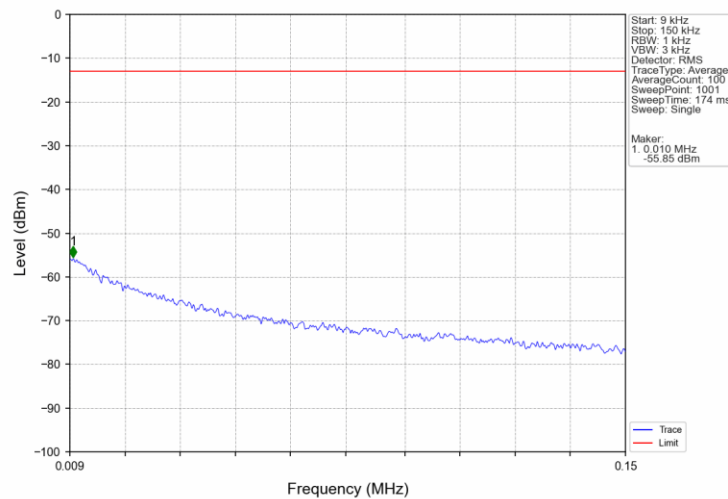


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.915	-56.61	-35	Pass
775	776.9	0.1	CHP	2	776.850	-40.86	-13	Pass
776.9	777	0.03	CHP	3	777.000	-41.40	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-40.70	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.71	-13	Pass
793	806	0.00625	CHP	6	793.150	-59.05	-35	Pass
806	810	0.1	CHP	7	807.973	-64.32	-13	Pass

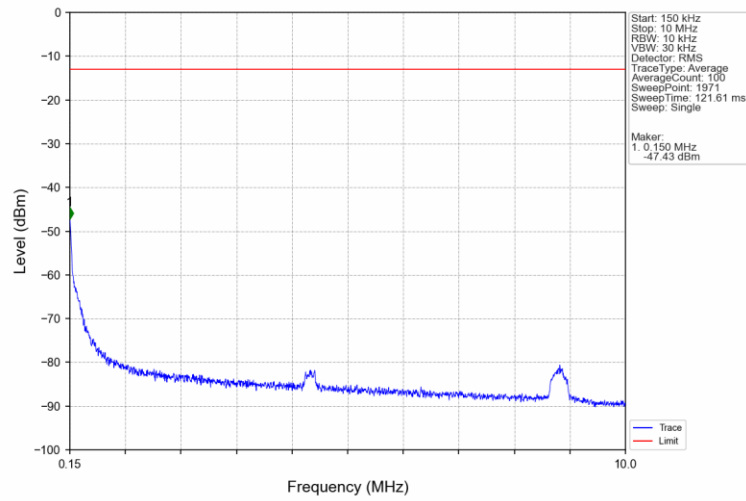
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTN



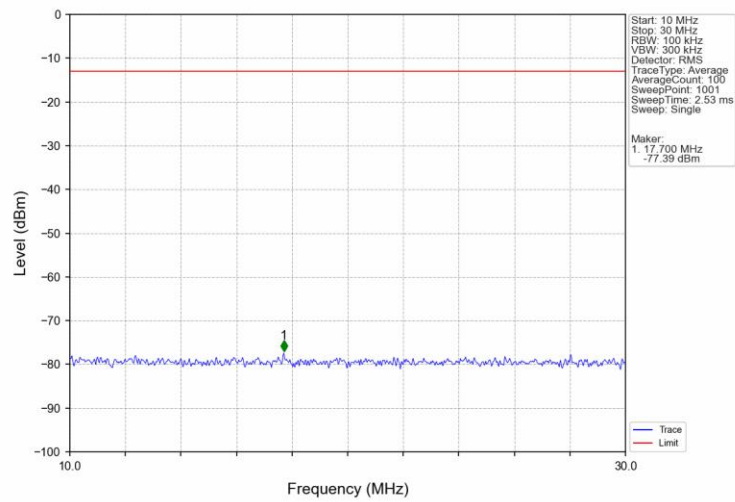
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTN



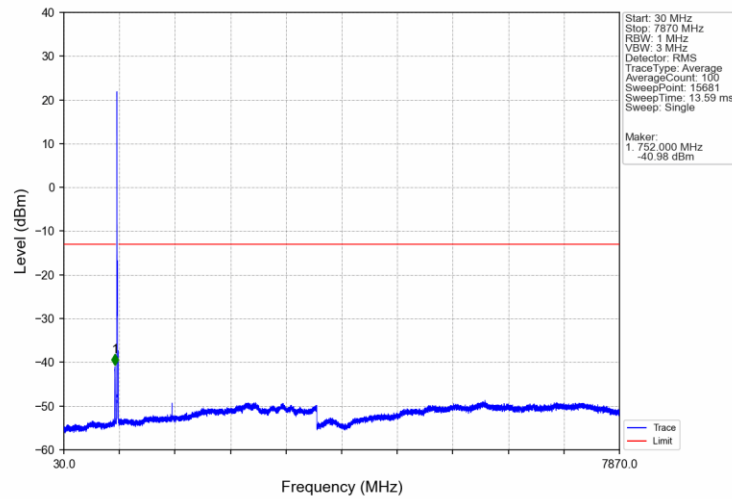
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTN



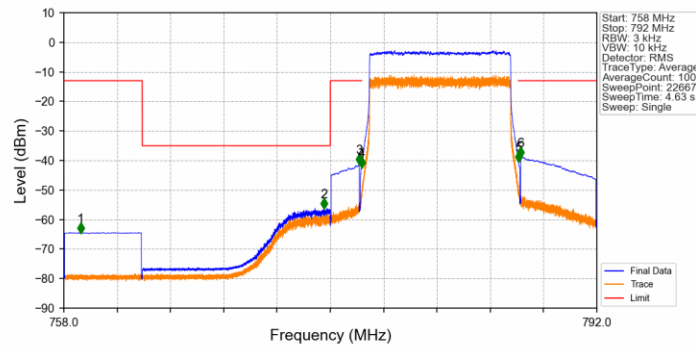
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTN



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

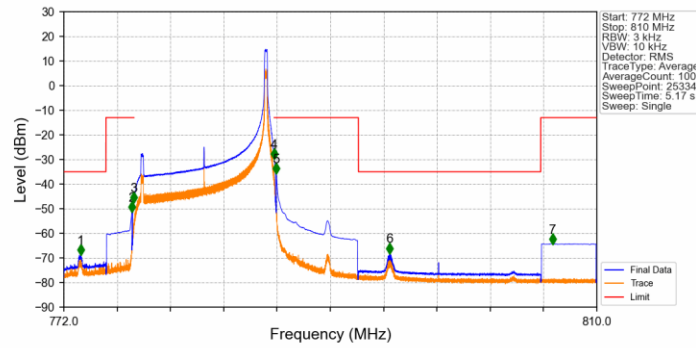


Band13 10MHz 16QAM LCH 782MHz RB 50 0 NTNV



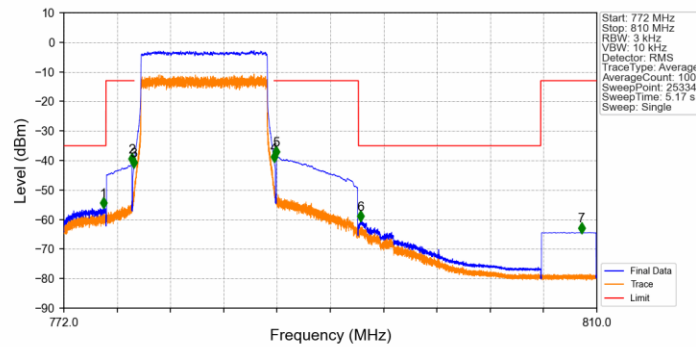
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.073	-64.45	-13	Pass
763	775	0.00625	CHP	2	774.596	-56.17	-35	Pass
775	776.9	0.1	CHP	3	776.850	-41.12	-13	Pass
776.9	777	0.03	CHP	4	776.995	-42.27	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-40.26	-13	Pass
787.1	792	0.1	CHP	6	787.152	-38.80	-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	773.205	-68.64	-35	Pass
775	776.9	0.1	CHP	2	776.850	-51.10	-13	Pass
776.9	777	0.03	CHP	3	776.995	-47.40	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-29.55	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.54	-13	Pass
793	806	0.00625	CHP	6	795.237	-67.94	-35	Pass
806	810	0.1	CHP	7	806.835	-64.29	-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	774.823	-55.89	-35	Pass
775	776.9	0.1	CHP	2	776.850	-40.99	-13	Pass
776.9	777	0.03	CHP	3	776.997	-42.22	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-40.35	-13	Pass
787.1	793	0.1	CHP	5	787.152	-38.62	-13	Pass
793	806	0.00625	CHP	6	793.167	-60.42	-35	Pass
806	810	0.1	CHP	7	808.933	-64.36	-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	0.2254	0.0128	ppm	4M61G7D	27F	23.53
13	5	779.5	784.5	0.1807	0.0119	ppm	4M65W7D	27F	22.57
13	10	782	782	0.2312	0.0120	ppm	9M16G7D	27F	23.64
13	10	782	782	0.1714	0.0131	ppm	9M15W7D	27F	22.34

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	0.1690	0.0128	ppm	4M61G7D	27F	22.28
13	5	779.5	784.5	0.1355	0.0119	ppm	4M65W7D	27F	21.32
13	10	782	782	0.1734	0.0120	ppm	9M16G7D	27F	22.39
13	10	782	782	0.1285	0.0131	ppm	9M15W7D	27F	21.09

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