

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	23.41	1.39	22.65	<=34.77	Pass
			13	23.53	1.39	22.77	<=34.77	Pass
			24	23.44	1.39	22.68	<=34.77	Pass
		12	0	22.51	1.39	21.75	<=34.77	Pass
			6	22.51	1.39	21.75	<=34.77	Pass
			13	22.72	1.39	21.96	<=34.77	Pass
		25	0	22.64	1.39	21.88	<=34.77	Pass
	782	1	0	23.37	1.39	22.61	<=34.77	Pass
			13	23.45	1.39	22.69	<=34.77	Pass
			24	23.39	1.39	22.63	<=34.77	Pass
		12	0	22.22	1.39	21.46	<=34.77	Pass
			6	22.50	1.39	21.74	<=34.77	Pass
			13	22.54	1.39	21.78	<=34.77	Pass
		25	0	22.43	1.39	21.67	<=34.77	Pass
	784.5	1	0	23.43	1.39	22.67	<=34.77	Pass
			13	23.50	1.39	22.74	<=34.77	Pass
			24	23.42	1.39	22.66	<=34.77	Pass
		12	0	22.38	1.39	21.62	<=34.77	Pass
			6	22.48	1.39	21.72	<=34.77	Pass
			13	22.08	1.39	21.32	<=34.77	Pass
		25	0	22.32	1.39	21.56	<=34.77	Pass
16QAM	779.5	1	0	22.40	1.39	21.64	<=34.77	Pass
			13	22.50	1.39	21.74	<=34.77	Pass
			24	22.53	1.39	21.77	<=34.77	Pass
		12	0	21.49	1.39	20.73	<=34.77	Pass
			6	21.54	1.39	20.78	<=34.77	Pass
			13	21.80	1.39	21.04	<=34.77	Pass
		25	0	21.70	1.39	20.94	<=34.77	Pass
	782	1	0	22.51	1.39	21.75	<=34.77	Pass
			13	22.65	1.39	21.89	<=34.77	Pass
			24	22.54	1.39	21.78	<=34.77	Pass
		12	0	21.28	1.39	20.52	<=34.77	Pass
			6	21.60	1.39	20.84	<=34.77	Pass
			13	21.65	1.39	20.89	<=34.77	Pass
		25	0	21.47	1.39	20.71	<=34.77	Pass
	784.5	1	0	22.28	1.39	21.52	<=34.77	Pass
			13	22.30	1.39	21.54	<=34.77	Pass
			24	22.09	1.39	21.33	<=34.77	Pass
		12	0	21.00	1.39	20.24	<=34.77	Pass
			6	21.08	1.39	20.32	<=34.77	Pass
			13	20.76	1.39	20.00	<=34.77	Pass
		25	0	20.94	1.39	20.18	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B13_10MHz_ERP

Band: 13 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	782	1	0	23.37	1.39	22.61	<=34.77	Pass
			25	23.47	1.39	22.71	<=34.77	Pass
			49	23.48	1.39	22.72	<=34.77	Pass
		25	0	22.12	1.39	21.36	<=34.77	Pass
			13	22.48	1.39	21.72	<=34.77	Pass
			25	21.97	1.39	21.21	<=34.77	Pass
		50	0	21.70	1.39	20.94	<=34.77	Pass
16QAM	782	1	0	22.04	1.39	21.28	<=34.77	Pass
			25	22.23	1.39	21.47	<=34.77	Pass
			49	22.12	1.39	21.36	<=34.77	Pass
		12	0	21.91	1.39	21.15	<=34.77	Pass
			19	22.09	1.39	21.33	<=34.77	Pass
			38	21.85	1.39	21.09	<=34.77	Pass
		27	0	20.71	1.39	19.95	<=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	-7.110	-0.0091	-2.5 to 2.5	Pass
					3.70	-7.968	-0.0102	-2.5 to 2.5	Pass
					4.26	-9.341	-0.0120	-2.5 to 2.5	Pass
				-30	3.70	-11.630	-0.0149	-2.5 to 2.5	Pass
				-20	3.70	-7.210	-0.0092	-2.5 to 2.5	Pass
				-10	3.70	-3.905	-0.0050	-2.5 to 2.5	Pass
				0	3.70	-8.268	-0.0106	-2.5 to 2.5	Pass
				10	3.70	-7.768	-0.0100	-2.5 to 2.5	Pass
				30	3.70	-2.704	-0.0035	-2.5 to 2.5	Pass
				40	3.70	-7.067	-0.0091	-2.5 to 2.5	Pass
	50	3.70	-9.742	-0.0125	-2.5 to 2.5	Pass			
	782	25	0	20	3.15	-9.198	-0.0118	-2.5 to 2.5	Pass
					3.70	-6.666	-0.0085	-2.5 to 2.5	Pass
					4.26	-5.093	-0.0065	-2.5 to 2.5	Pass
				-30	3.70	-8.297	-0.0106	-2.5 to 2.5	Pass
				-20	3.70	-7.553	-0.0097	-2.5 to 2.5	Pass
				-10	3.70	-8.755	-0.0112	-2.5 to 2.5	Pass
				0	3.70	-6.380	-0.0082	-2.5 to 2.5	Pass
				10	3.70	-2.418	-0.0031	-2.5 to 2.5	Pass
				30	3.70	-6.366	-0.0081	-2.5 to 2.5	Pass
				40	3.70	-4.692	-0.0060	-2.5 to 2.5	Pass
	50	3.70	-8.054	-0.0103	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.15	-9.384	-0.0120	-2.5 to 2.5	Pass
					3.70	-8.011	-0.0102	-2.5 to 2.5	Pass
					4.26	-5.436	-0.0069	-2.5 to 2.5	Pass
				-30	3.70	-2.446	-0.0031	-2.5 to 2.5	Pass

				-20	3.70	-7.725	-0.0098	-2.5 to 2.5	Pass
				-10	3.70	-1.202	-0.0015	-2.5 to 2.5	Pass
				0	3.70	-6.080	-0.0078	-2.5 to 2.5	Pass
				10	3.70	-5.193	-0.0066	-2.5 to 2.5	Pass
				30	3.70	-9.127	-0.0116	-2.5 to 2.5	Pass
				40	3.70	2.890	0.0037	-2.5 to 2.5	Pass
				50	3.70	-3.419	-0.0044	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.15	-5.651	-0.0072	-2.5 to 2.5	Pass
					3.70	-9.413	-0.0121	-2.5 to 2.5	Pass
					4.26	-8.340	-0.0107	-2.5 to 2.5	Pass
				-30	3.70	-6.523	-0.0084	-2.5 to 2.5	Pass
				-20	3.70	-5.236	-0.0067	-2.5 to 2.5	Pass
				-10	3.70	-9.398	-0.0121	-2.5 to 2.5	Pass
				0	3.70	-7.639	-0.0098	-2.5 to 2.5	Pass
				10	3.70	-5.679	-0.0073	-2.5 to 2.5	Pass
				30	3.70	-7.181	-0.0092	-2.5 to 2.5	Pass
				40	3.70	-7.195	-0.0092	-2.5 to 2.5	Pass
				50	3.70	-7.453	-0.0096	-2.5 to 2.5	Pass
	782	25	0	20	3.15	-2.847	-0.0036	-2.5 to 2.5	Pass
					3.70	-11.201	-0.0143	-2.5 to 2.5	Pass
					4.26	-5.736	-0.0073	-2.5 to 2.5	Pass
				-30	3.70	-9.613	-0.0123	-2.5 to 2.5	Pass
				-20	3.70	-9.141	-0.0117	-2.5 to 2.5	Pass
				-10	3.70	-5.422	-0.0069	-2.5 to 2.5	Pass
				0	3.70	-4.206	-0.0054	-2.5 to 2.5	Pass
				10	3.70	-5.779	-0.0074	-2.5 to 2.5	Pass
				30	3.70	-6.795	-0.0087	-2.5 to 2.5	Pass
				40	3.70	-2.446	-0.0031	-2.5 to 2.5	Pass
				50	3.70	-8.340	-0.0107	-2.5 to 2.5	Pass
	784.5	25	0	20	3.15	-5.879	-0.0075	-2.5 to 2.5	Pass
					3.70	-6.180	-0.0079	-2.5 to 2.5	Pass
					4.26	-3.304	-0.0042	-2.5 to 2.5	Pass
				-30	3.70	-3.562	-0.0045	-2.5 to 2.5	Pass
				-20	3.70	-8.197	-0.0104	-2.5 to 2.5	Pass
				-10	3.70	-1.373	-0.0018	-2.5 to 2.5	Pass
				0	3.70	-8.154	-0.0104	-2.5 to 2.5	Pass
				10	3.70	-4.091	-0.0052	-2.5 to 2.5	Pass
				30	3.70	-2.275	-0.0029	-2.5 to 2.5	Pass
				40	3.70	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.70	-5.722	-0.0073	-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	-8.082	-0.0103	-2.5 to 2.5	Pass
					3.70	-7.038	-0.0090	-2.5 to 2.5	Pass
					4.26	-6.623	-0.0085	-2.5 to 2.5	Pass
				-30	3.70	-4.206	-0.0054	-2.5 to 2.5	Pass
				-20	3.70	-7.324	-0.0094	-2.5 to 2.5	Pass
				-10	3.70	-7.138	-0.0091	-2.5 to 2.5	Pass
				0	3.70	-5.980	-0.0076	-2.5 to 2.5	Pass
				10	3.70	-7.524	-0.0096	-2.5 to 2.5	Pass
				30	3.70	-4.907	-0.0063	-2.5 to 2.5	Pass
				40	3.70	-6.967	-0.0089	-2.5 to 2.5	Pass
				50	3.70	-9.899	-0.0127	-2.5 to 2.5	Pass
16QAM	782	27	0	20	3.15	-8.483	-0.0108	-2.5 to 2.5	Pass

					3.70	-4.964	-0.0063	-2.5 to 2.5	Pass
					4.26	-7.796	-0.0100	-2.5 to 2.5	Pass
				-30	3.70	-3.891	-0.0050	-2.5 to 2.5	Pass
				-20	3.70	-7.653	-0.0098	-2.5 to 2.5	Pass
				-10	3.70	-5.879	-0.0075	-2.5 to 2.5	Pass
				0	3.70	-5.865	-0.0075	-2.5 to 2.5	Pass
				10	3.70	-4.807	-0.0061	-2.5 to 2.5	Pass
				30	3.70	-5.951	-0.0076	-2.5 to 2.5	Pass
				40	3.70	-6.123	-0.0078	-2.5 to 2.5	Pass
				50	3.70	-5.722	-0.0073	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

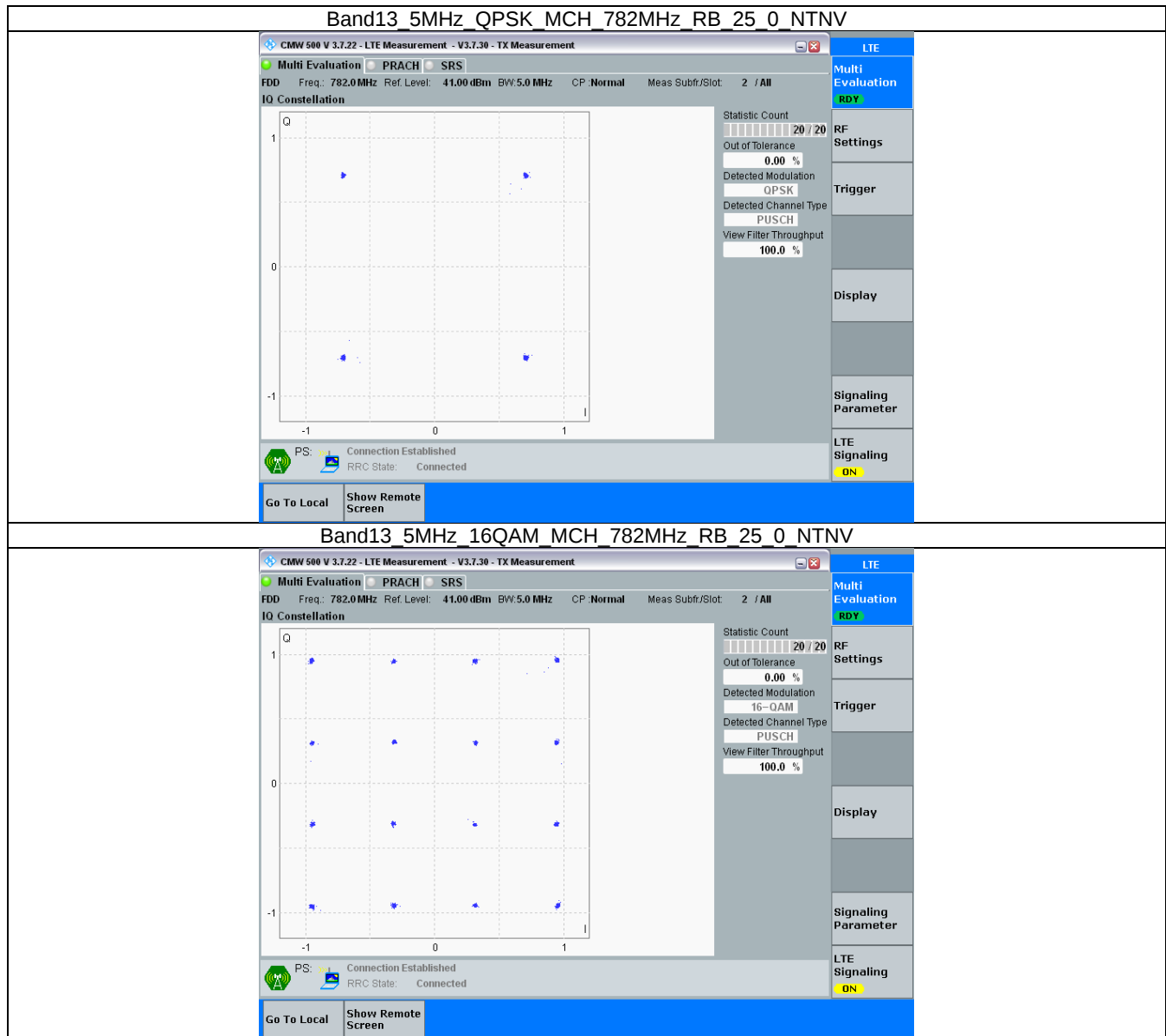
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

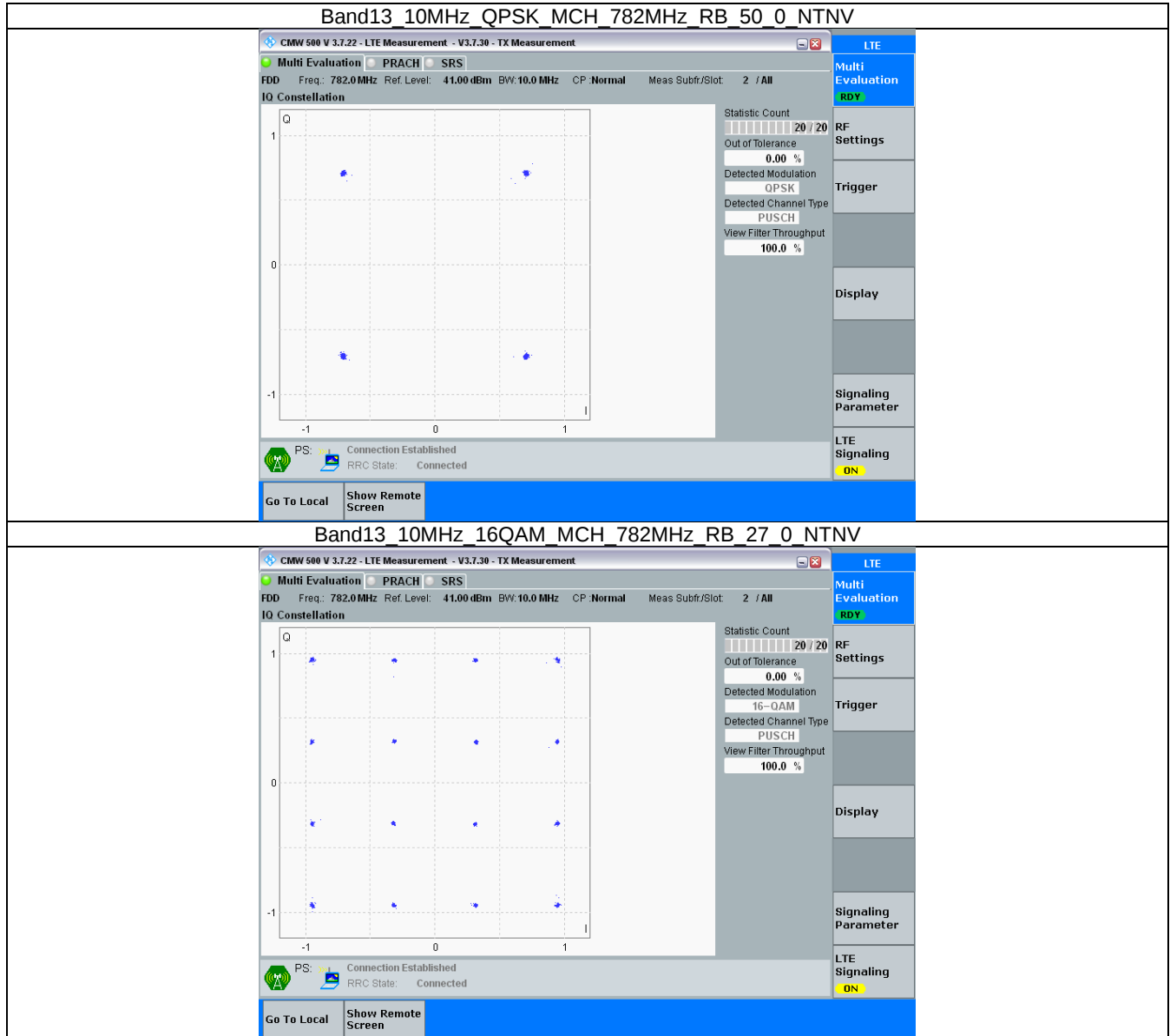
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	27	0	Refer To Test Graph		Pass

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

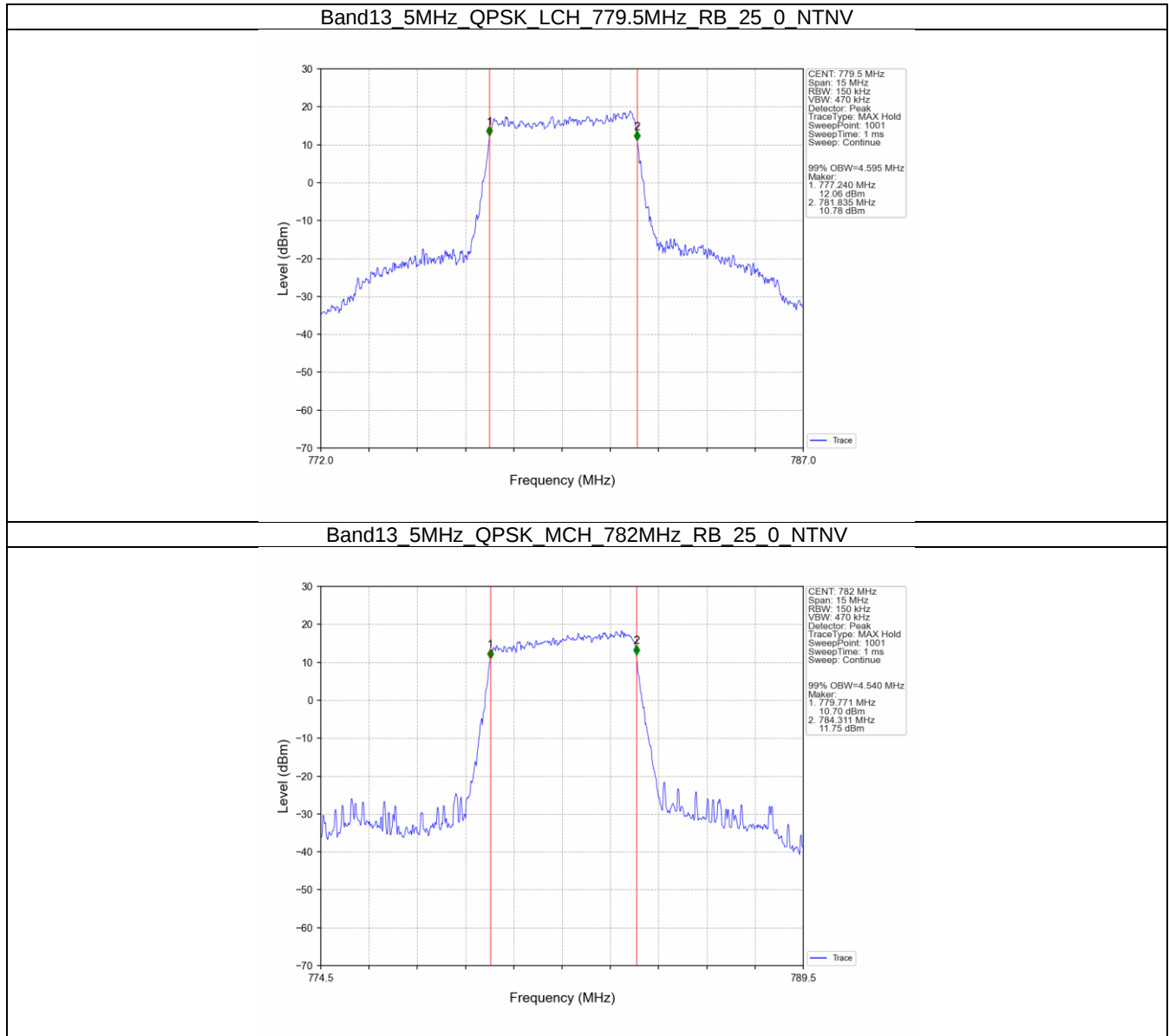
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.595	/	Pass
		782	25	0	4.540	/	Pass
		784.5	25	0	4.553	/	Pass
	16QAM	779.5	25	0	4.623	/	Pass
		782	25	0	4.547	/	Pass
		784.5	25	0	4.522	/	Pass
10	QPSK	782	50	0	8.990	/	Pass
	16QAM	782	27	0	5.200	/	Pass

4.1.2 Band13_XDB

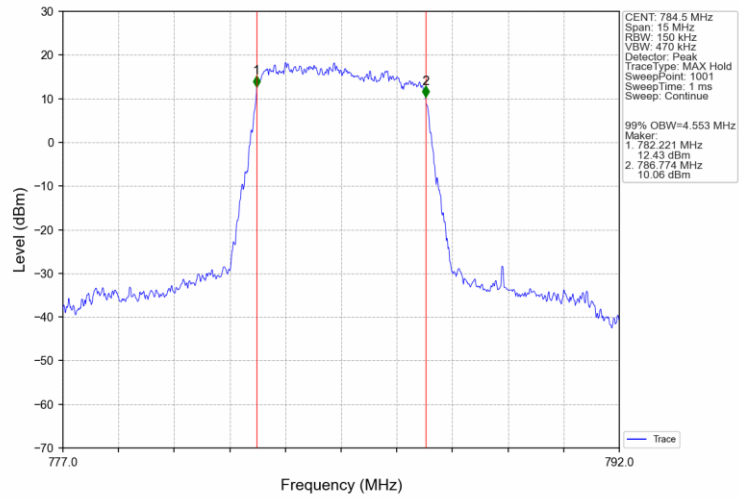
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.262	/	Pass
		782	25	0	5.196	/	Pass
		784.5	25	0	5.144	/	Pass
	16QAM	779.5	25	0	5.387	/	Pass
		782	25	0	5.139	/	Pass
		784.5	25	0	5.136	/	Pass
10	QPSK	782	50	0	10.102	/	Pass
	16QAM	782	27	0	6.295	/	Pass

4.2 Test Graph

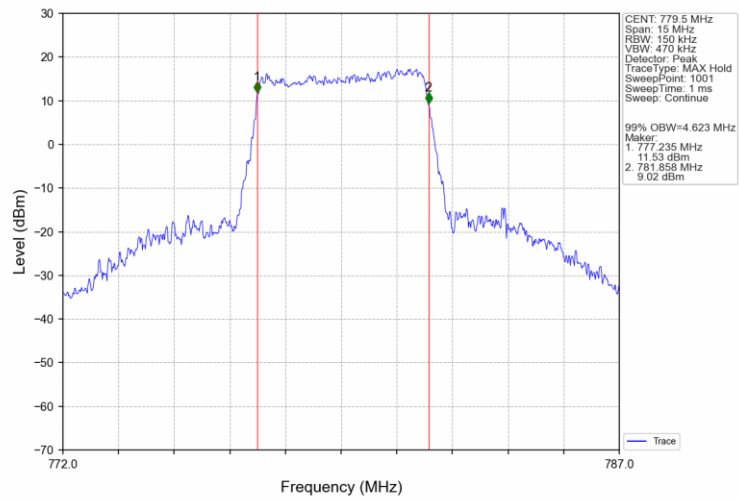
4.2.1 Band13_OBW



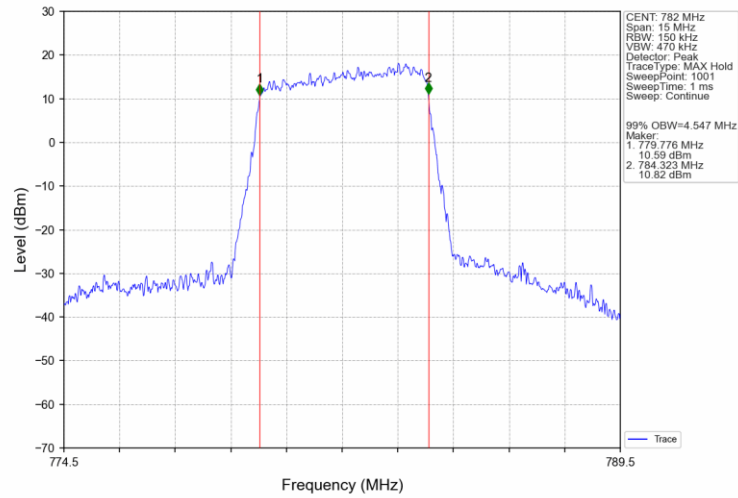
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



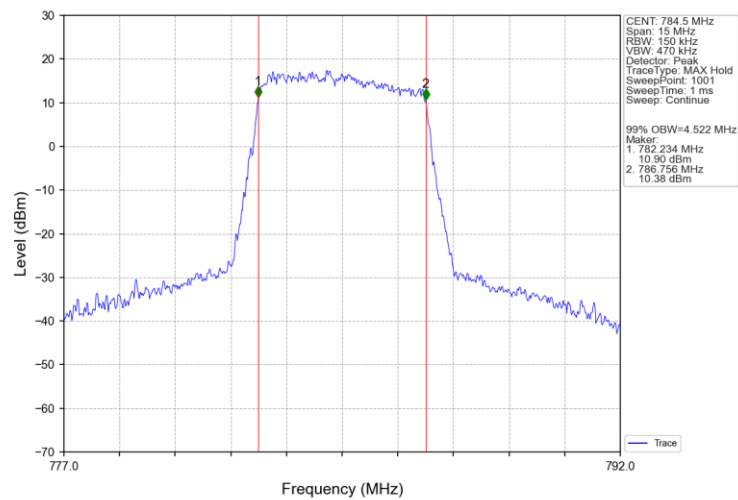
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



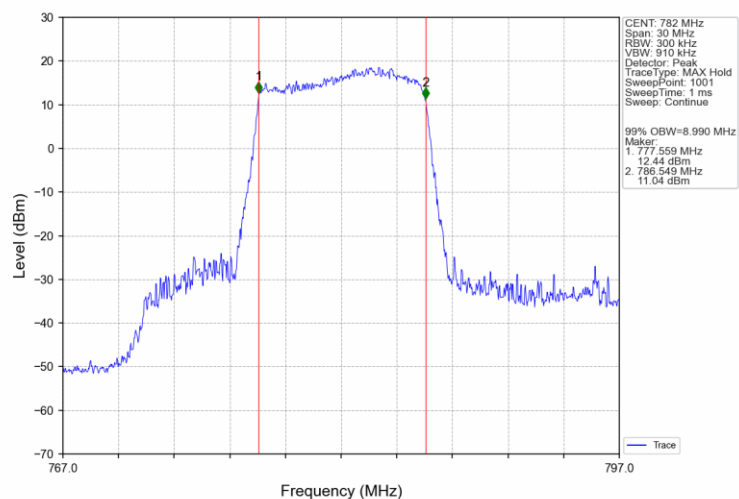
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



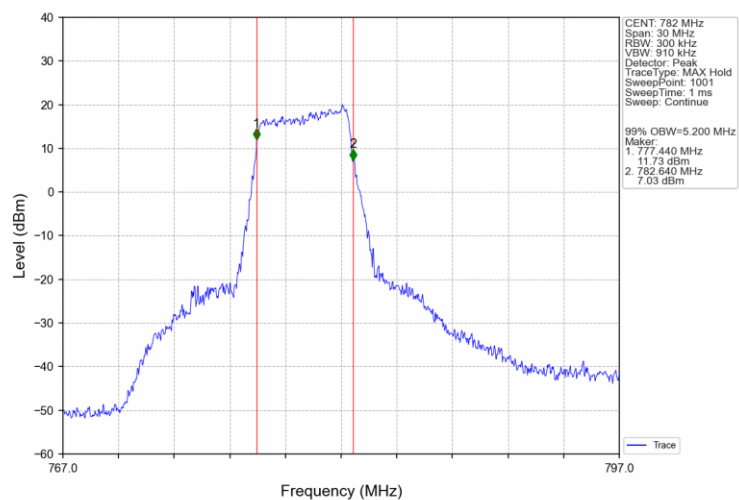
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV

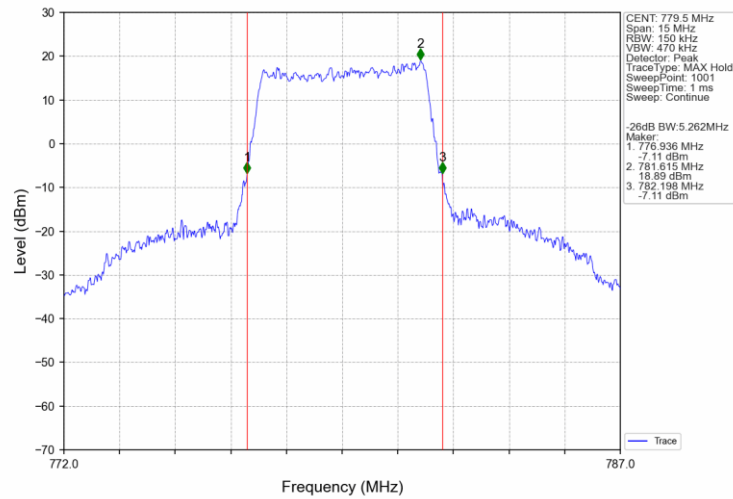


Band13_10MHz_16QAM_MCH_782MHz_RB_27_0_NTNV

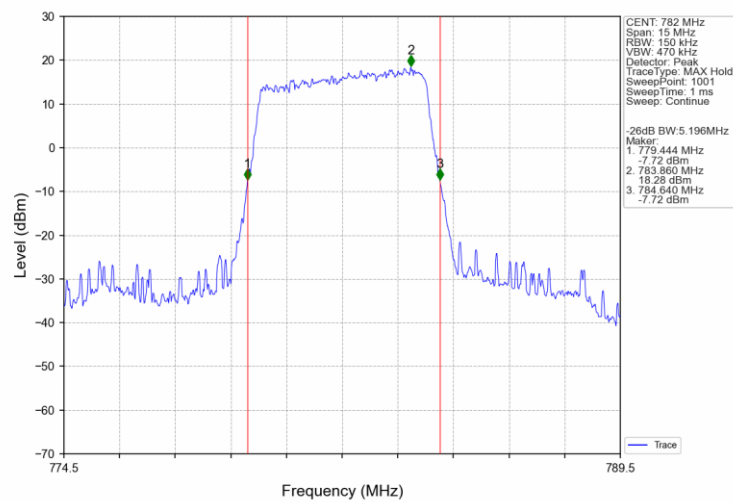


4.2.2 Band13_XDB

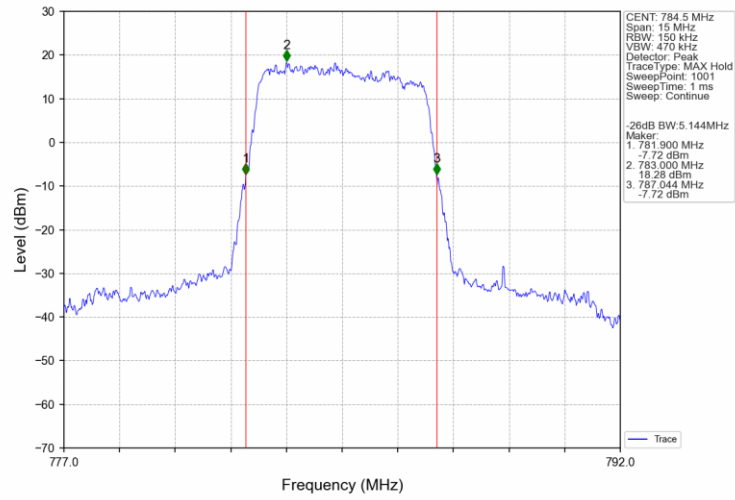
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



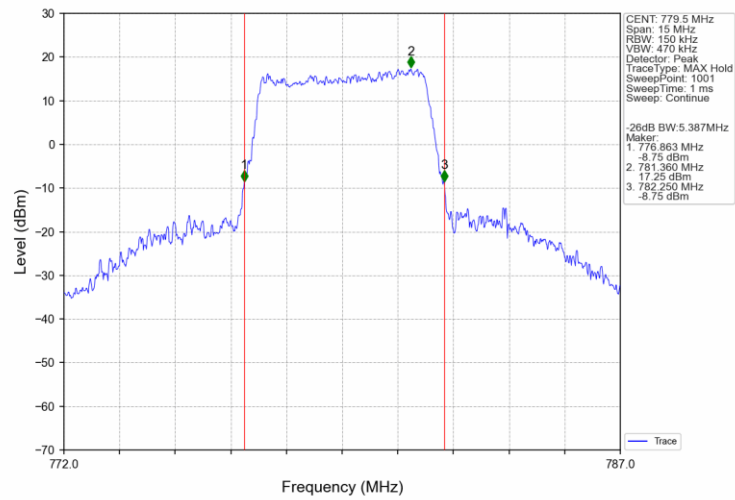
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



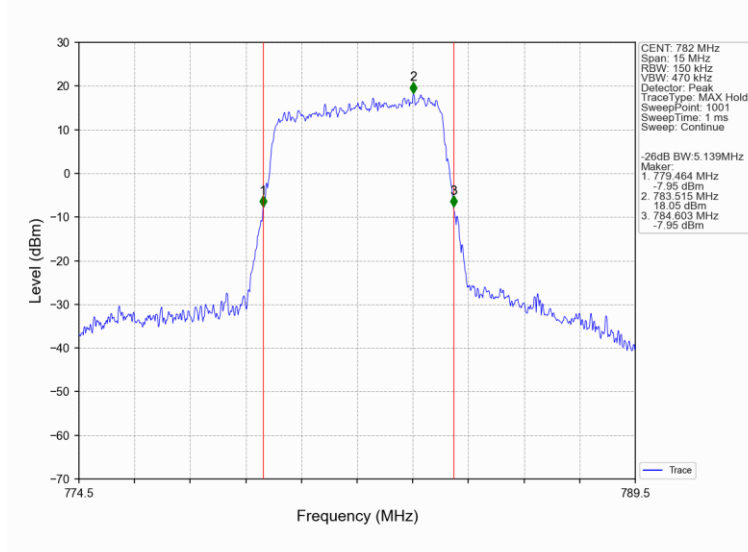
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



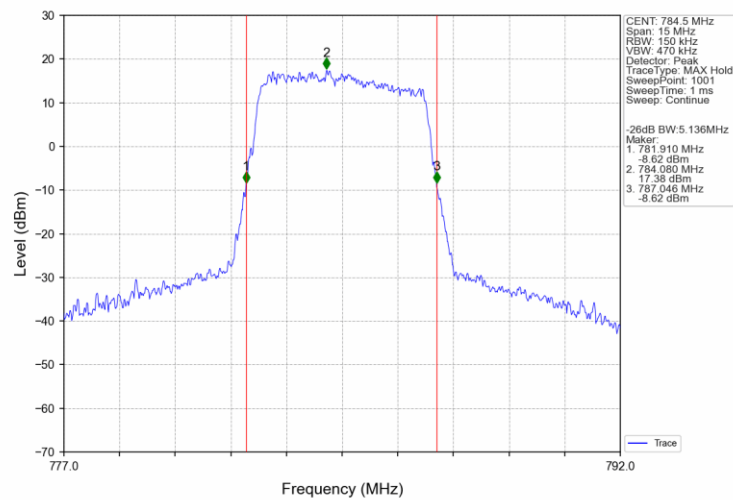
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



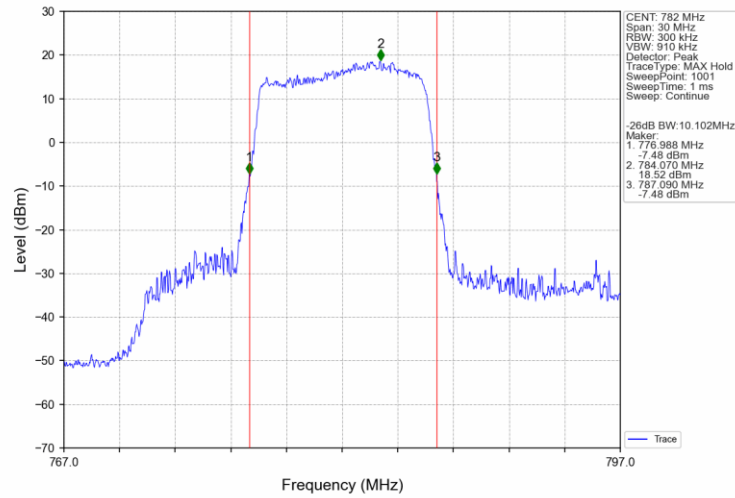
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



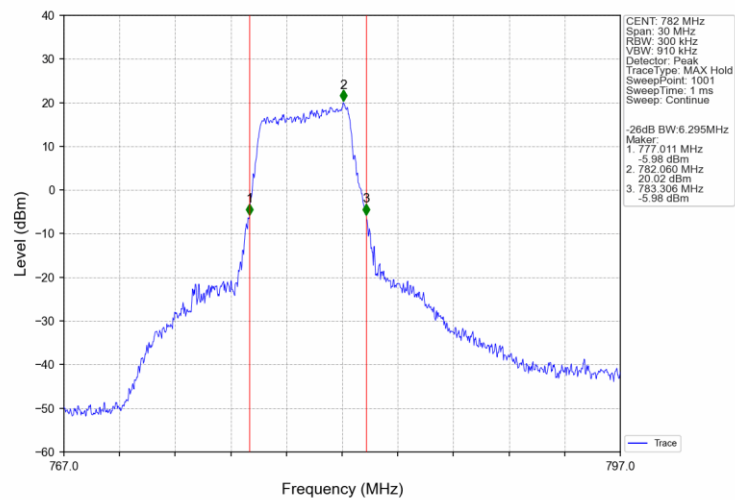
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_27_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

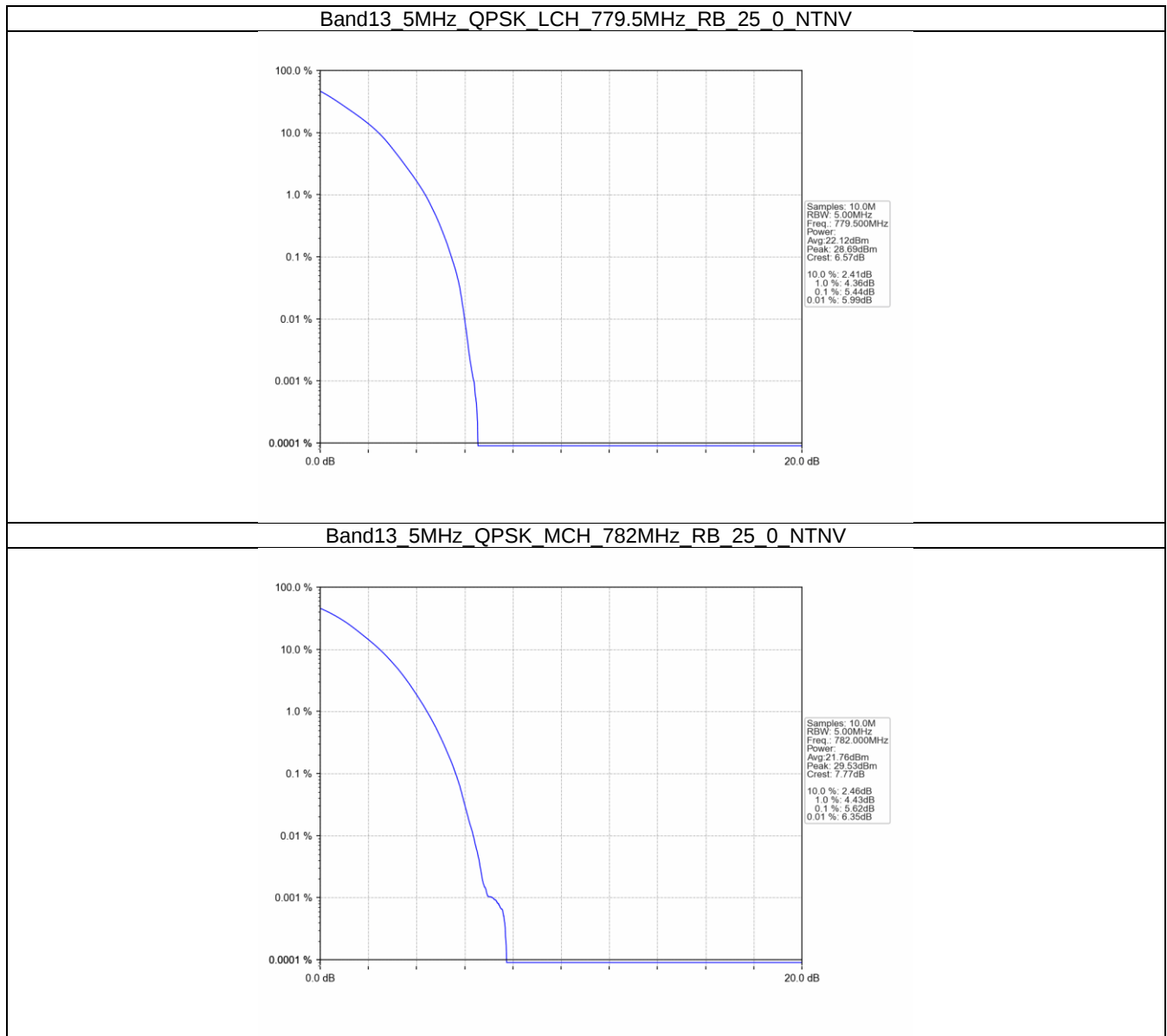
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.44	<=13	Pass
	782	25	0	5.62	<=13	Pass
	784.5	25	0	5.55	<=13	Pass
16QAM	779.5	25	0	6.11	<=13	Pass
	782	25	0	6.39	<=13	Pass
	784.5	25	0	6.34	<=13	Pass

5.1.2 B13_10MHz

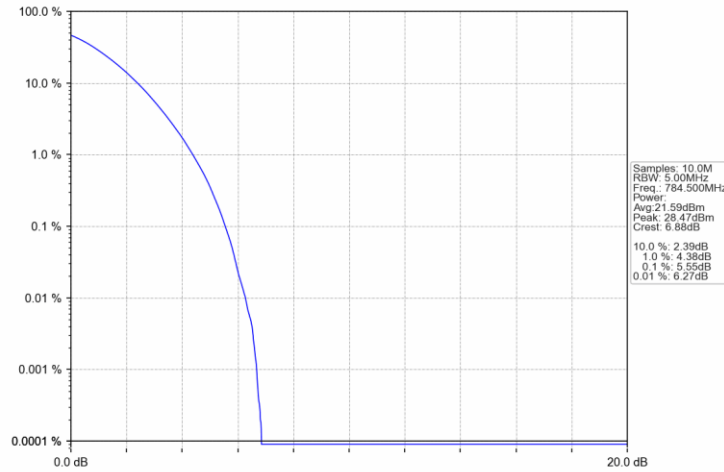
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.35	<=13	Pass
16QAM	782	27	0	6.23	<=13	Pass

5.2 Test Graph

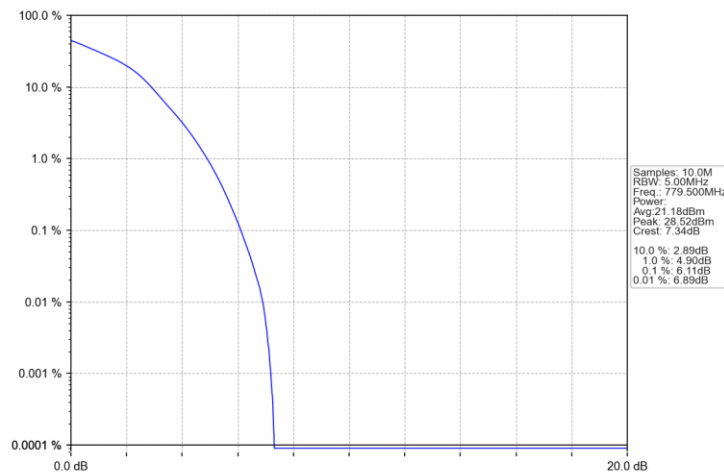
5.2.1 B13_5MHz



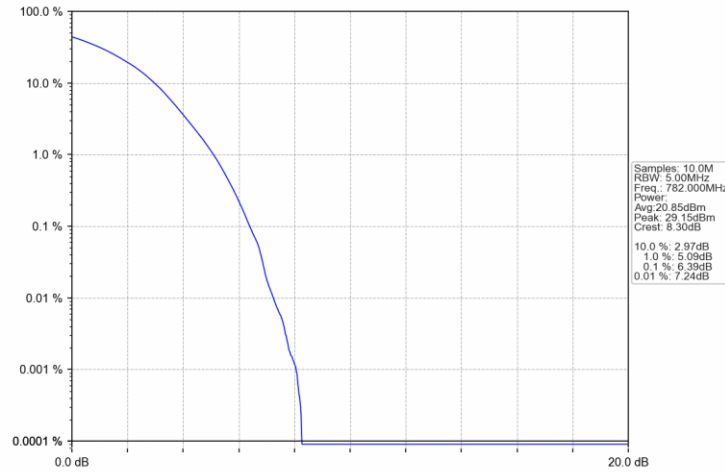
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



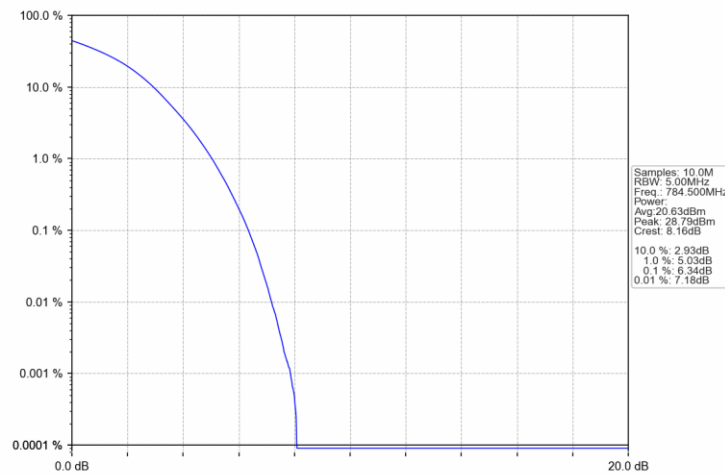
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV



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

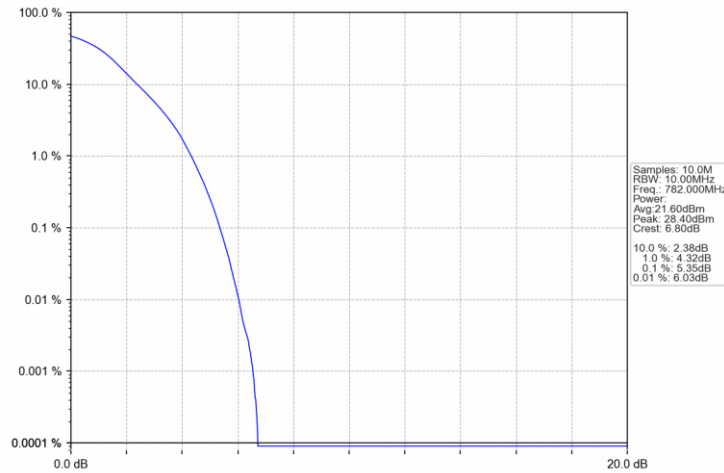


Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTV

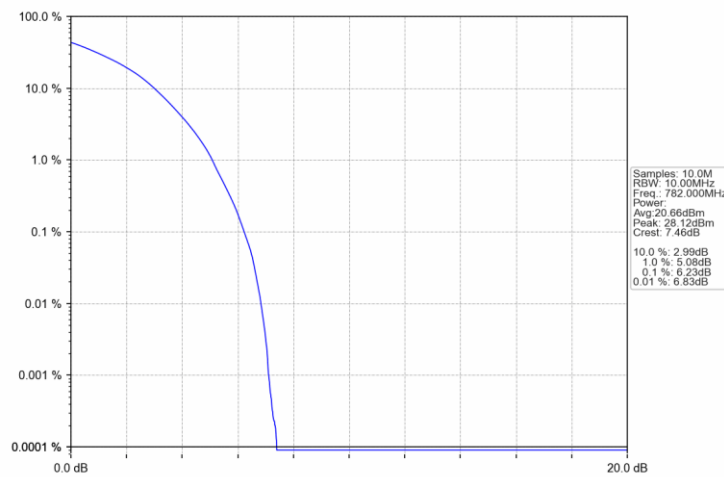


5.2.2 B13_10MHz

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

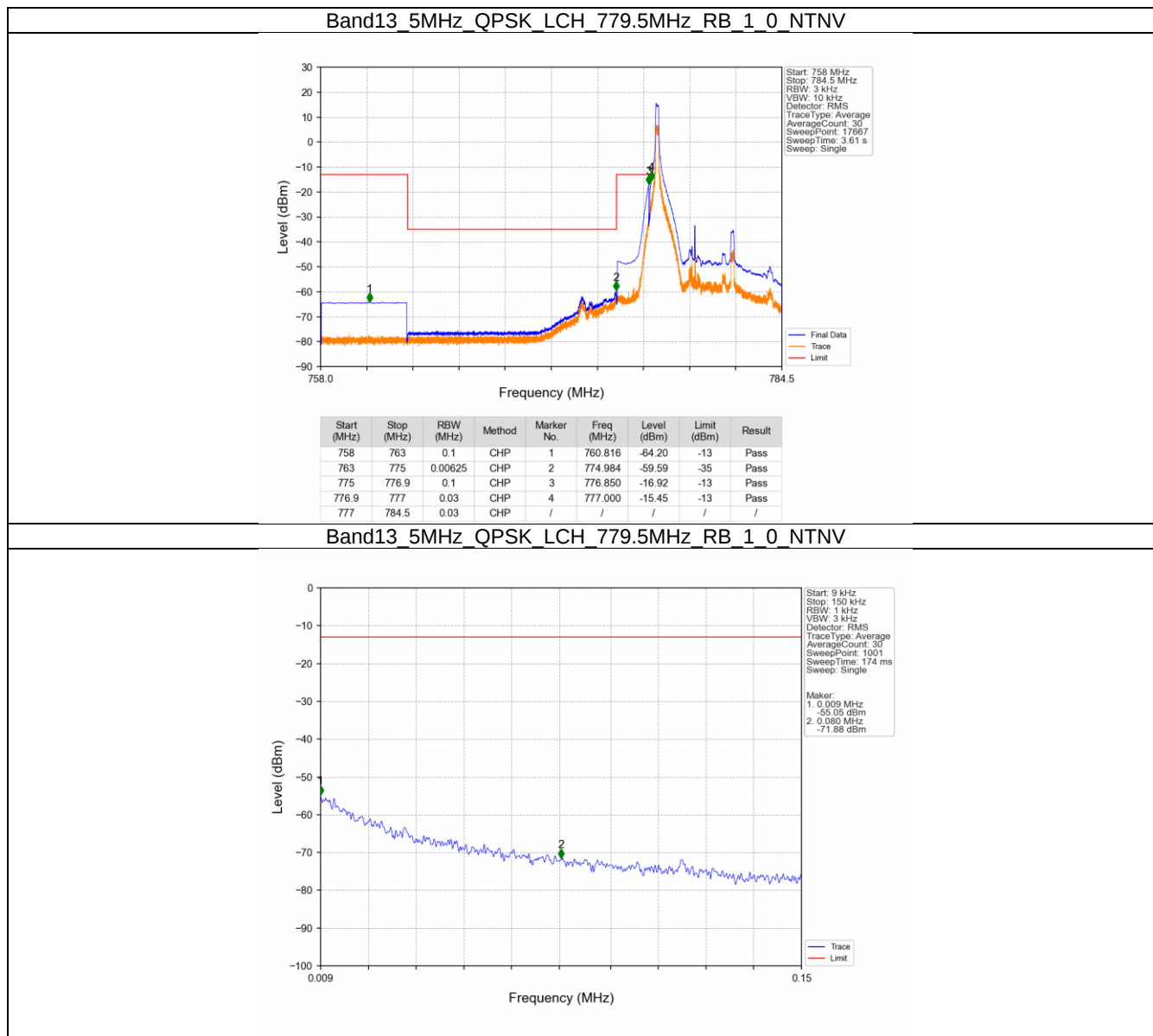
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

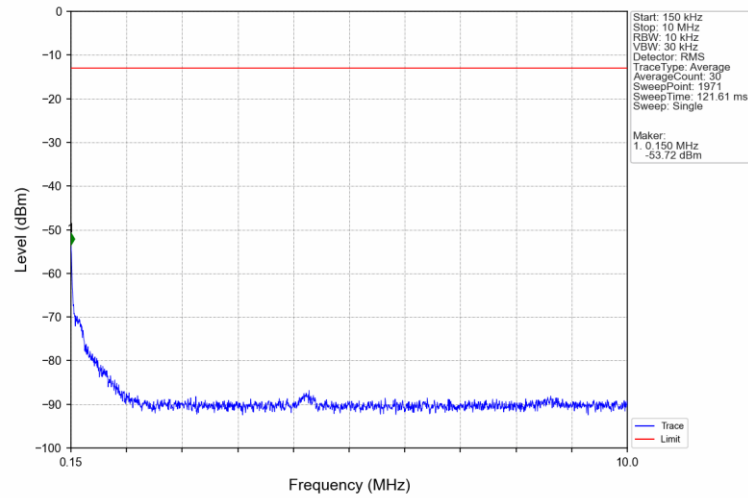
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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

6.2 Test Graph

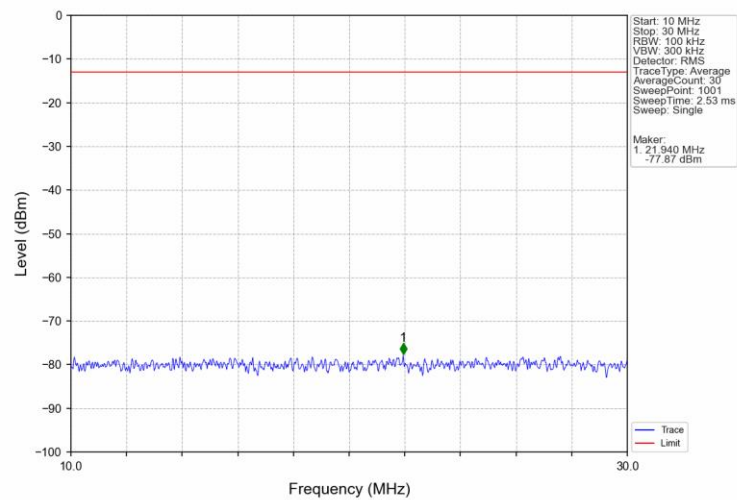
6.2.1 B13_5MHz



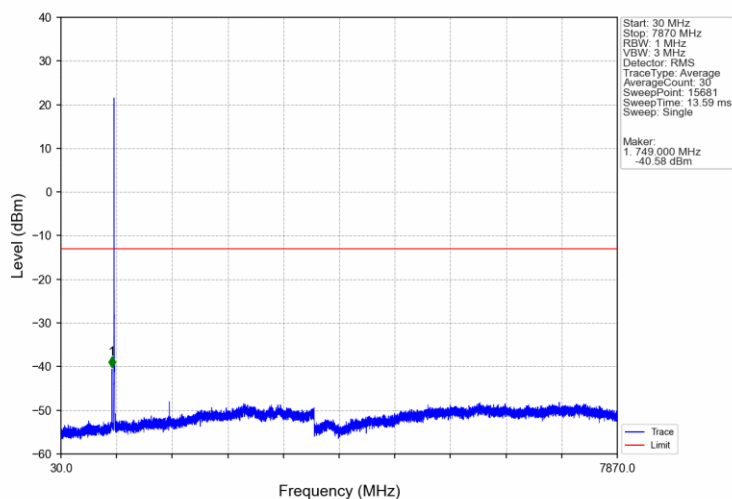
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTNV



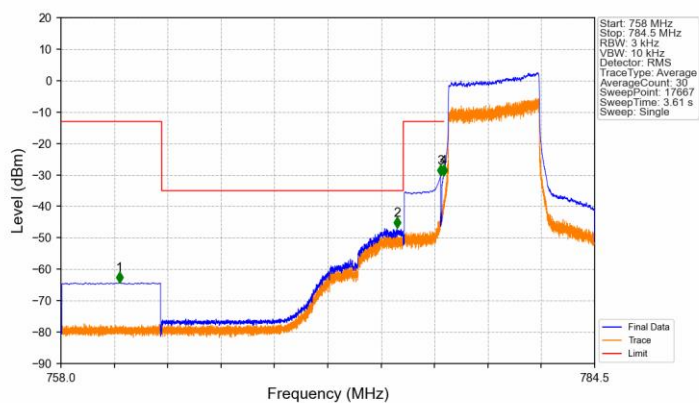
Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTNV



Band13 5MHz QPSK LCH 779.5MHz RB 1 0 NTNV

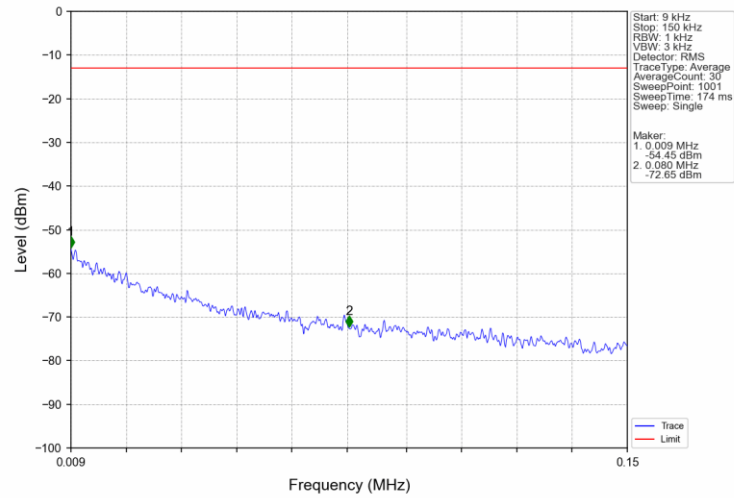


Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTNV

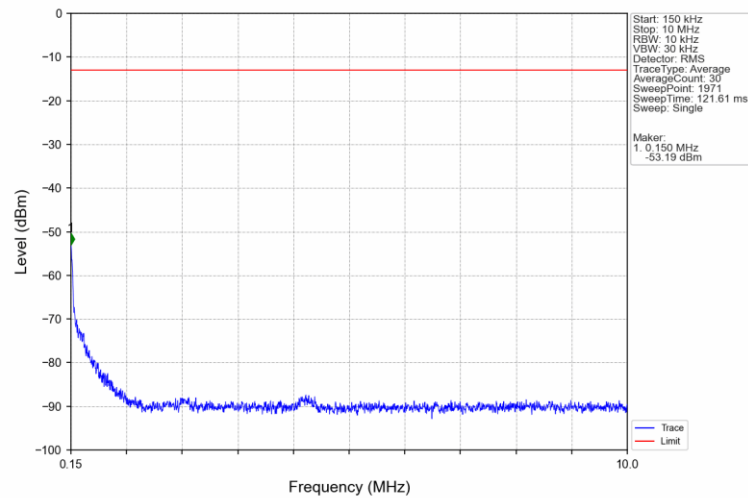


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.901	-64.32	-13	Pass
763	775	0.00625	CHP	2	774.709	-46.89	-35	Pass
775	776.9	0.1	CHP	3	776.850	-30.15	-13	Pass
776.9	777	0.03	CHP	4	777.000	-30.23	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

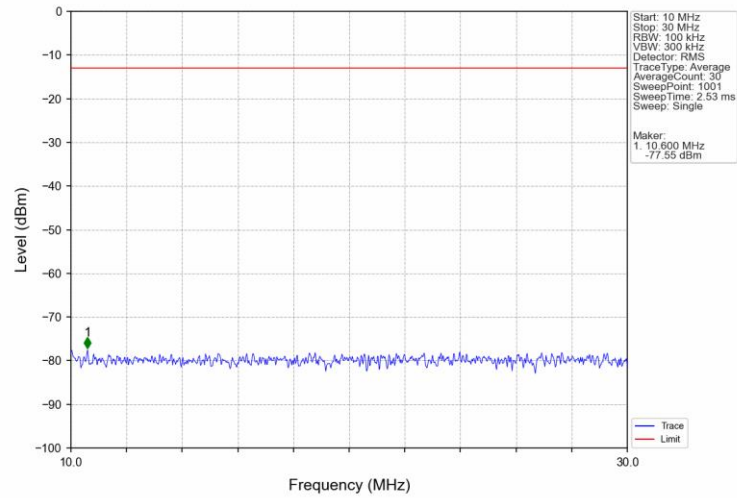
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



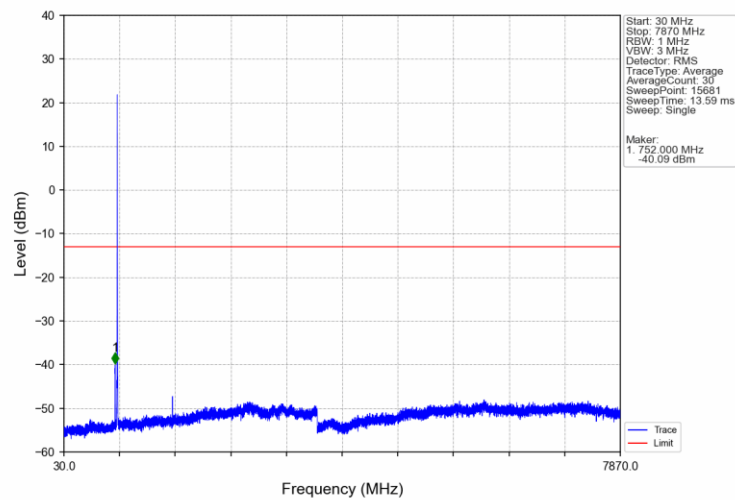
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



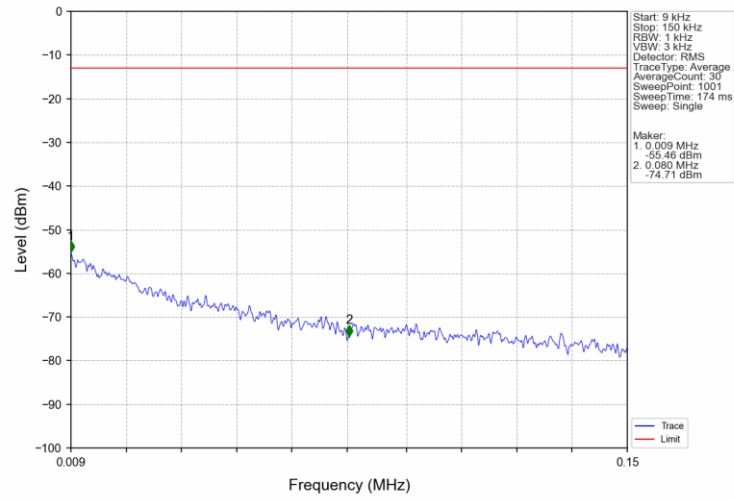
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTNV



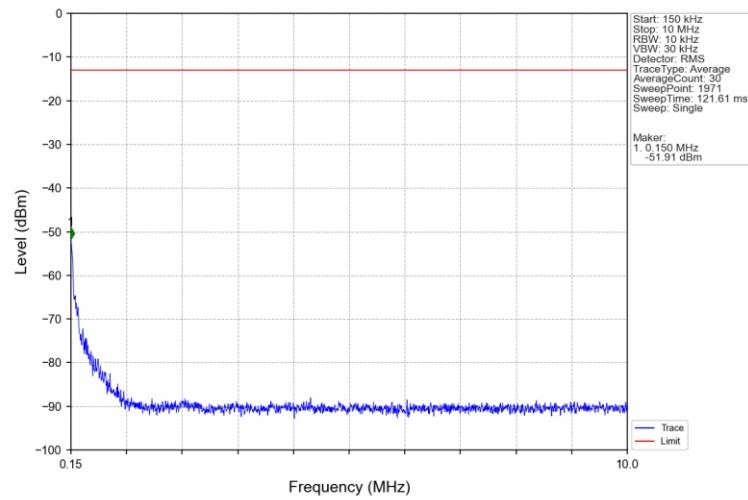
Band13 5MHz QPSK MCH 782MHz RB 1 0 NTNV



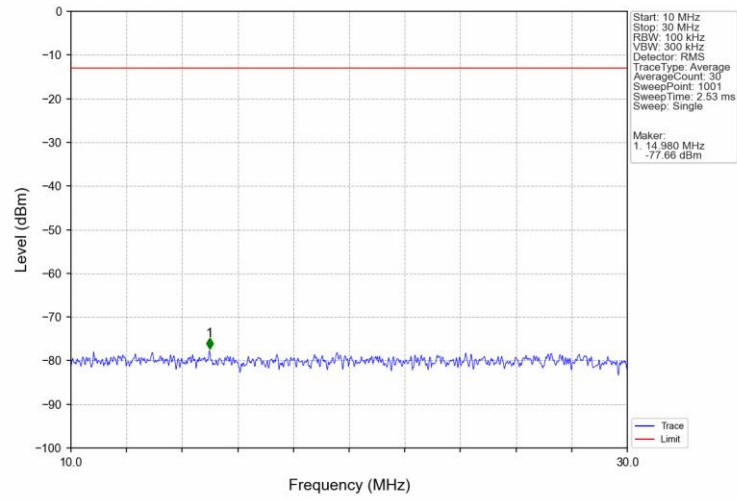
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTNV



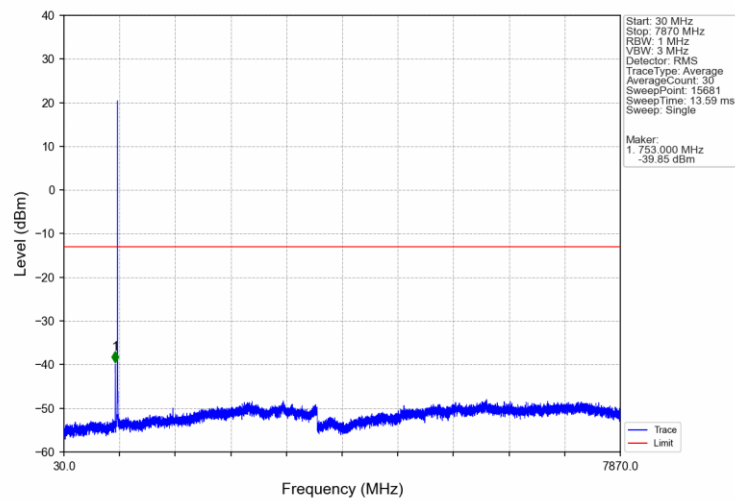
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTNV



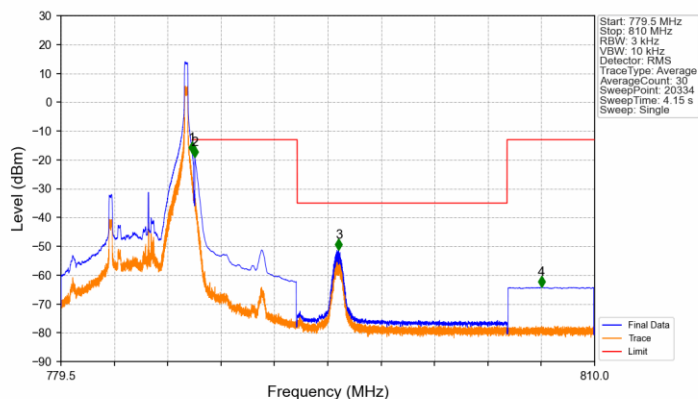
Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN



Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTN

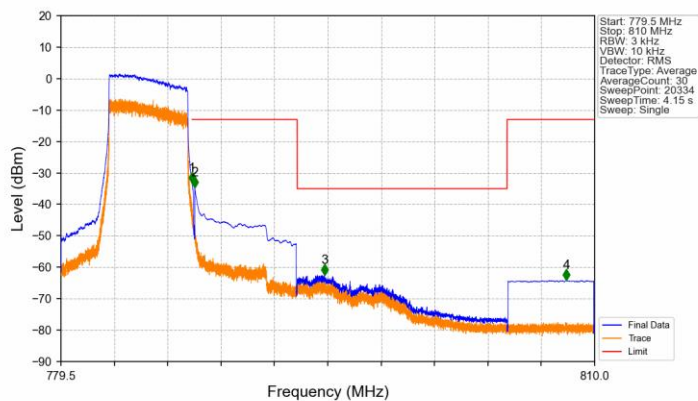


Band13 5MHz QPSK HCH 784.5MHz RB 1 24 NTV



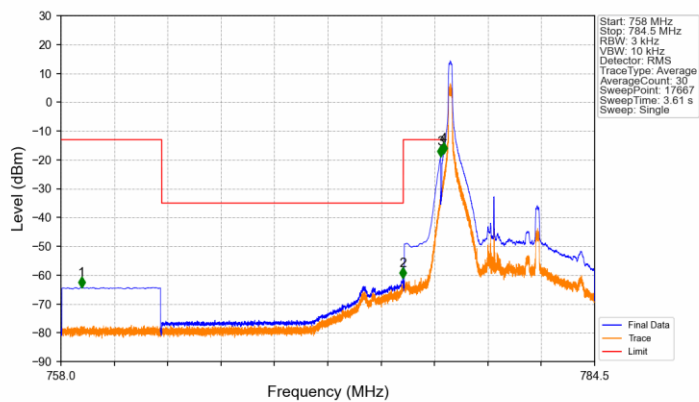
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-17.51	-13	Pass
787.1	793	0.1	CHP	2	787.150	-19.13	-13	Pass
793	805	0.00625	CHP	3	795.381	-51.28	-35	Pass
805	810	0.1	CHP	4	806.964	-64.23	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



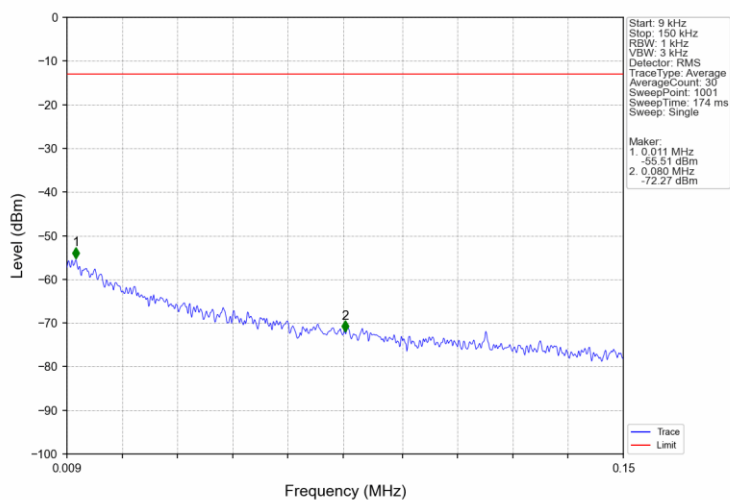
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-33.29	-13	Pass
787.1	793	0.1	CHP	2	787.150	-34.69	-13	Pass
793	805	0.00625	CHP	3	794.557	-62.50	-35	Pass
805	810	0.1	CHP	4	808.380	-64.18	-13	Pass

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

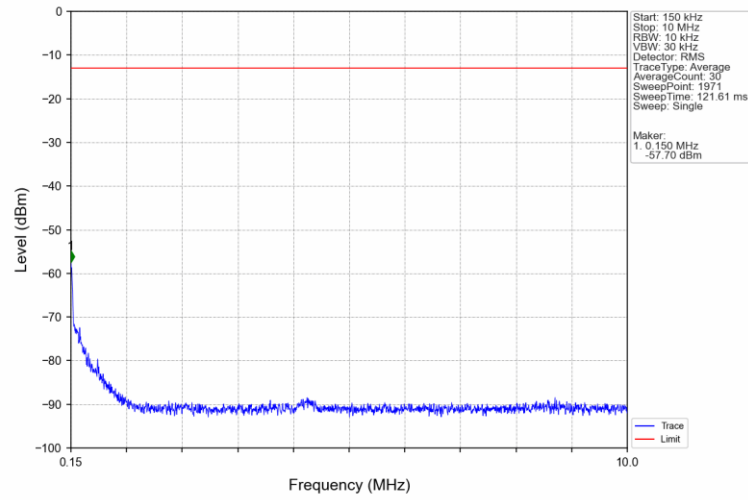


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.028	-64.26	-13	Pass
763	775	0.00625	CHP	2	774.984	-61.05	-35	Pass
775	776.9	0.1	CHP	3	776.850	-18.94	-13	Pass
776.9	777	0.03	CHP	4	777.000	-17.85	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

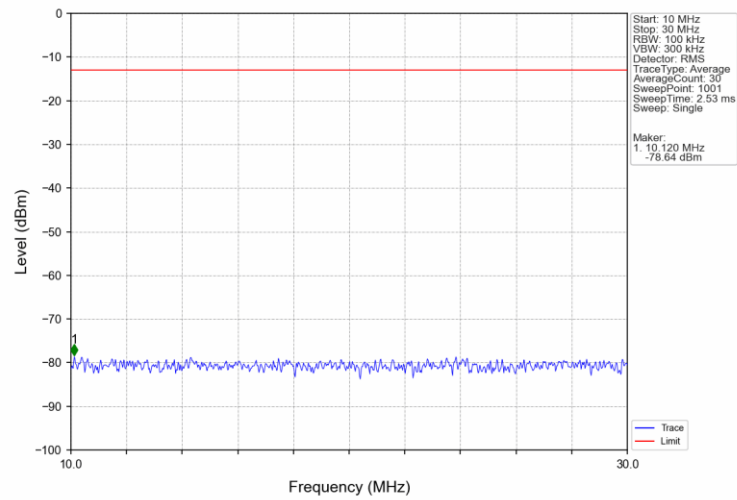
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



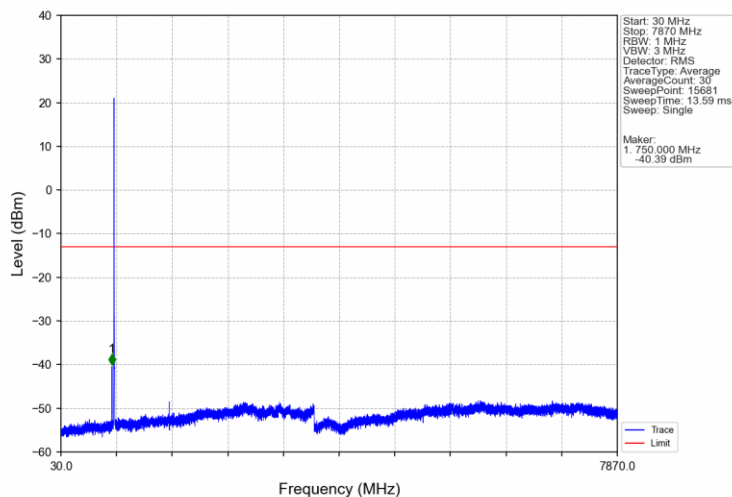
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



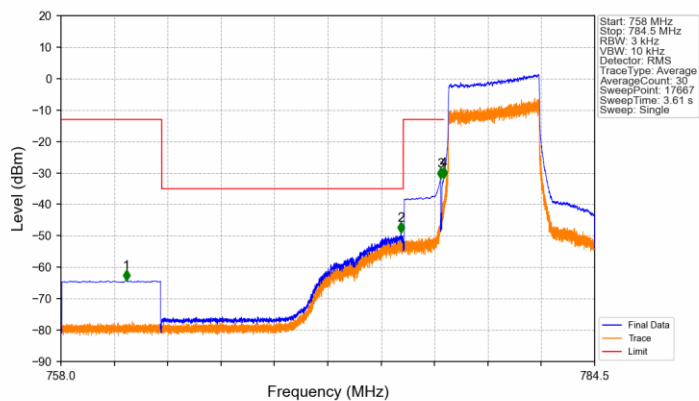
Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV



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

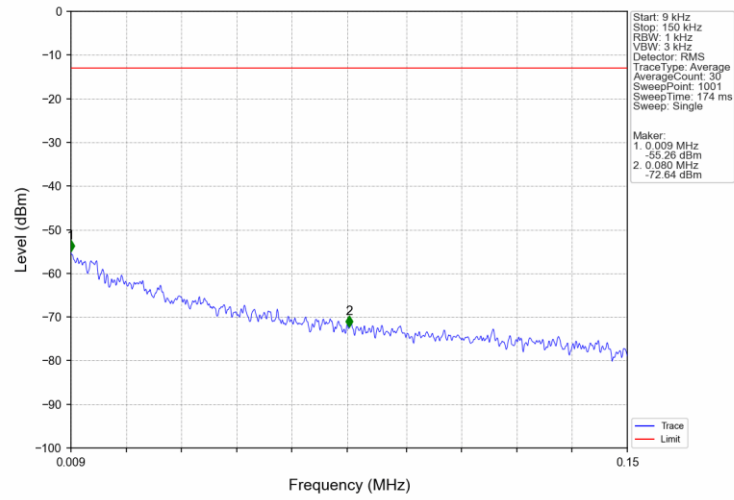


Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTV

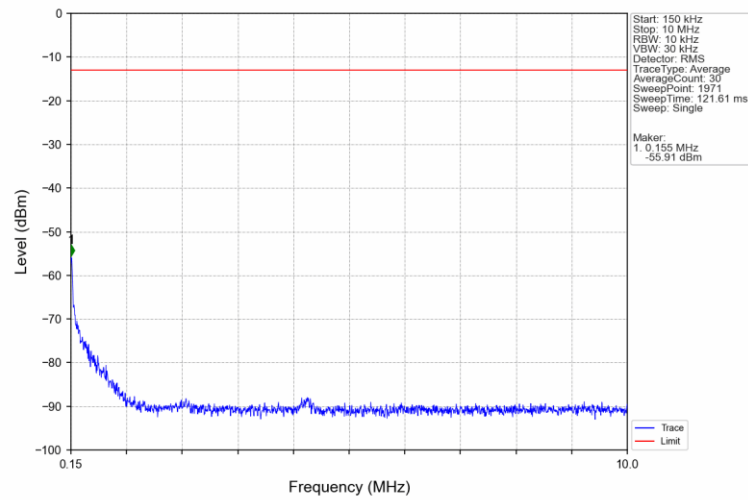


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.251	-64.33	-13	Pass
763	775	0.00625	CHP	2	774.886	-49.13	-35	Pass
775	776.9	0.1	CHP	3	776.850	-31.80	-13	Pass
776.9	777	0.03	CHP	4	777.000	-31.64	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

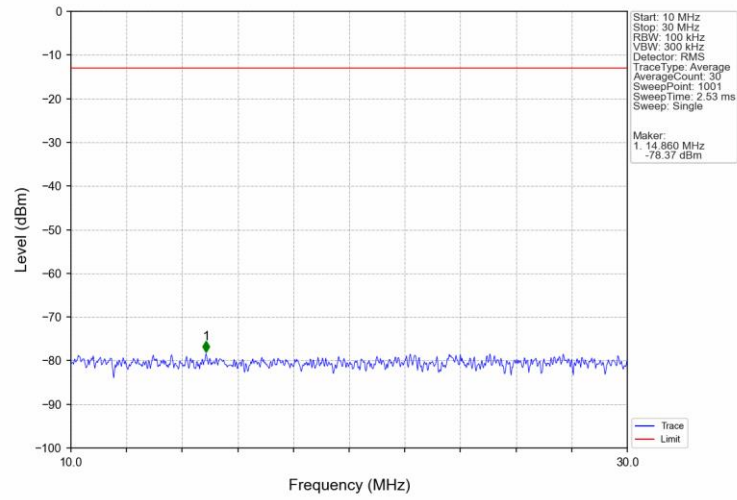
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



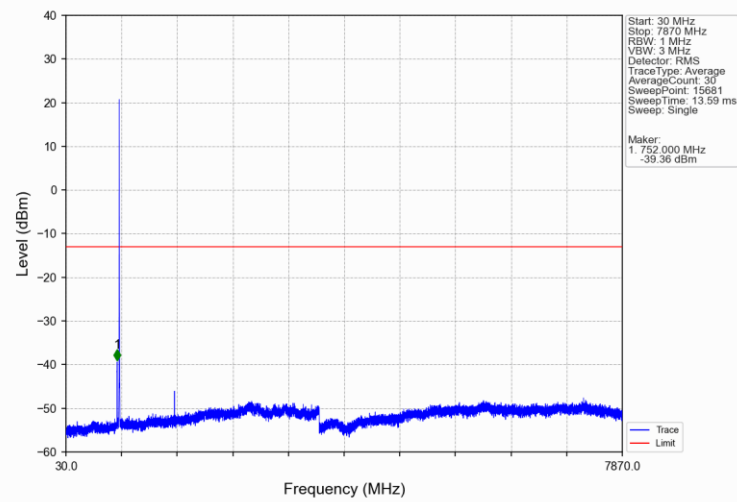
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



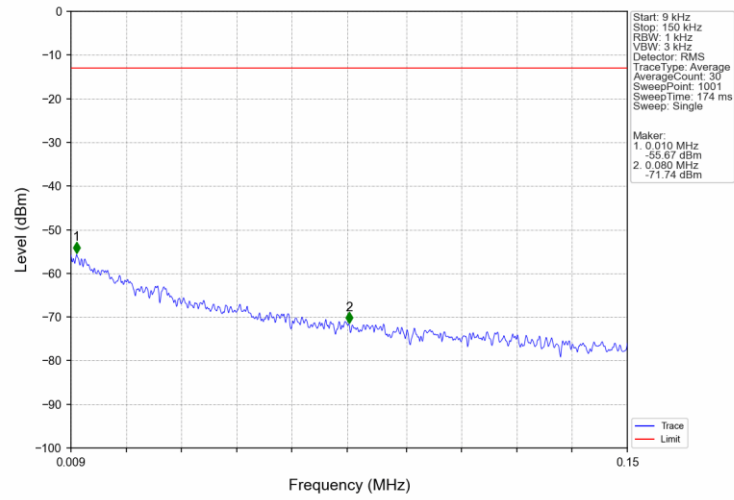
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



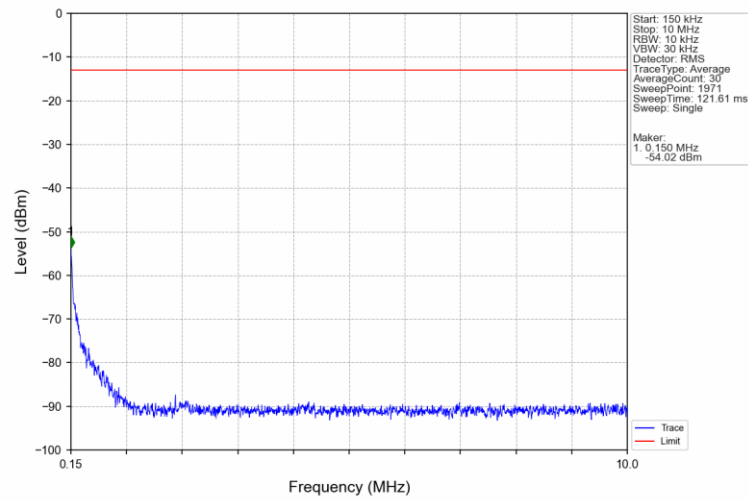
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



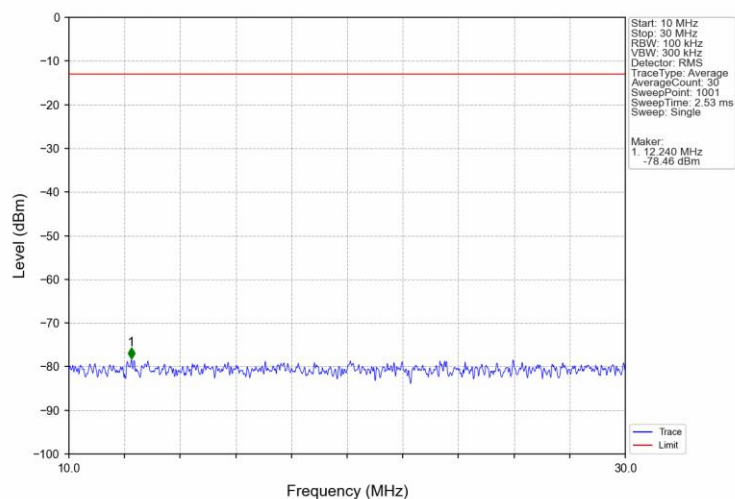
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



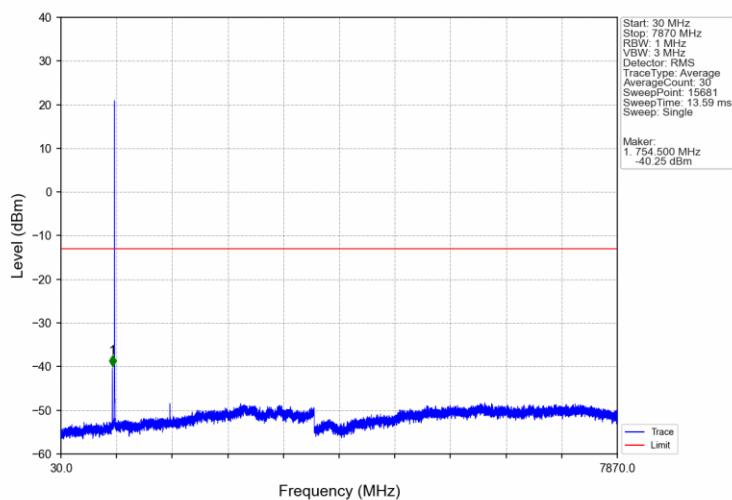
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



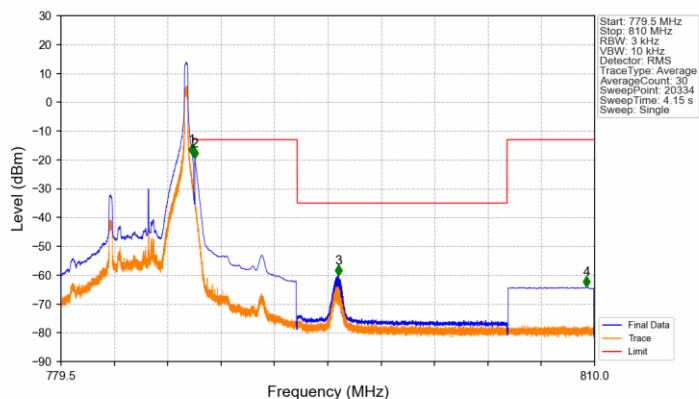
Band13 5MHz 16QAM HCH 784.5MHz RB 1 0 NTV



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

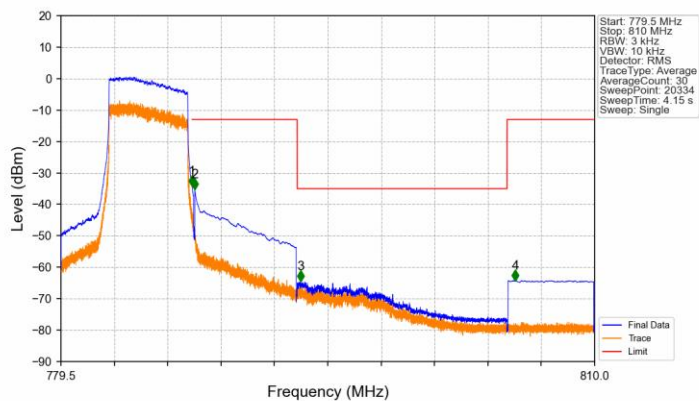


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTV



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	-18.26	-13	Pass
787.1	793	0.1	CHP	2	787.150	-19.54	-13	Pass
793	805	0.00625	CHP	3	795.355	-60.13	-35	Pass
805	810	0.1	CHP	4	809.538	-64.17	-13	Pass

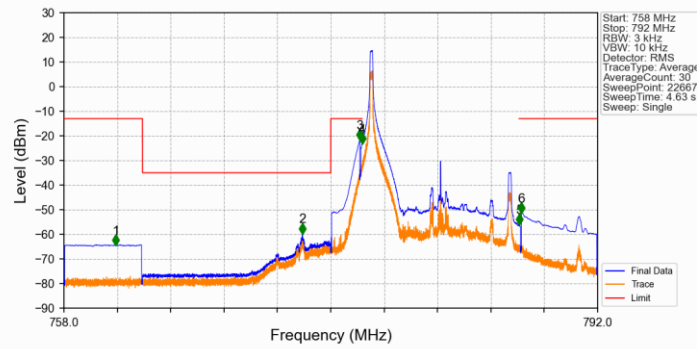
Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTV



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	-34.25	-13	Pass
787.1	793	0.1	CHP	2	787.150	-35.31	-13	Pass
793	805	0.00625	CHP	3	793.192	-64.50	-35	Pass
805	810	0.1	CHP	4	805.471	-64.28	-13	Pass

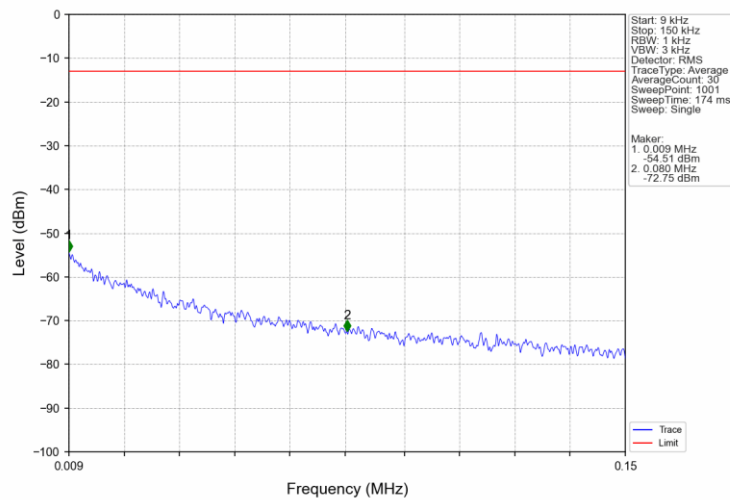
6.2.2 B13_10MHz

Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

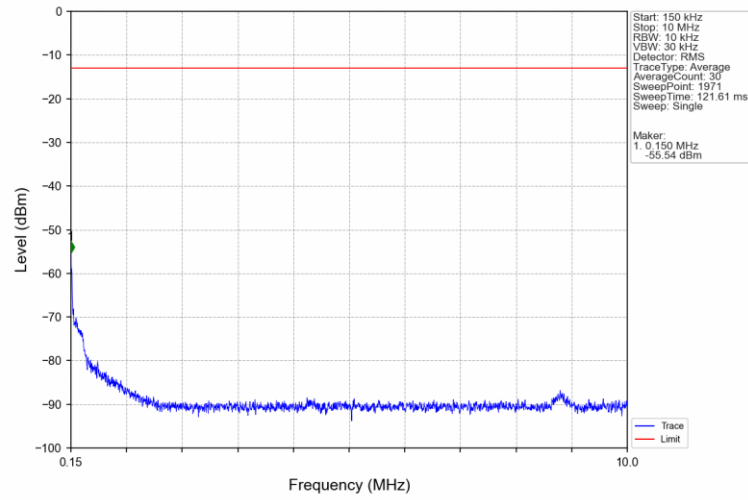


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.300	-64.23	-13	Pass
763	775	0.00625	CHP	2	773.189	-59.53	-35	Pass
775	776.9	0.1	CHP	3	776.850	-21.44	-13	Pass
776.9	777	0.03	CHP	4	777.000	-22.92	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.020	-55.87	-13	Pass
787.1	792	0.1	CHP	6	787.150	-51.22	-13	Pass

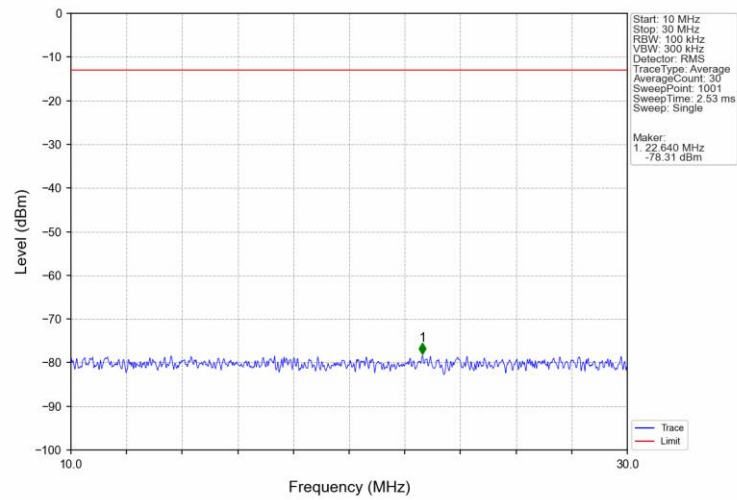
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



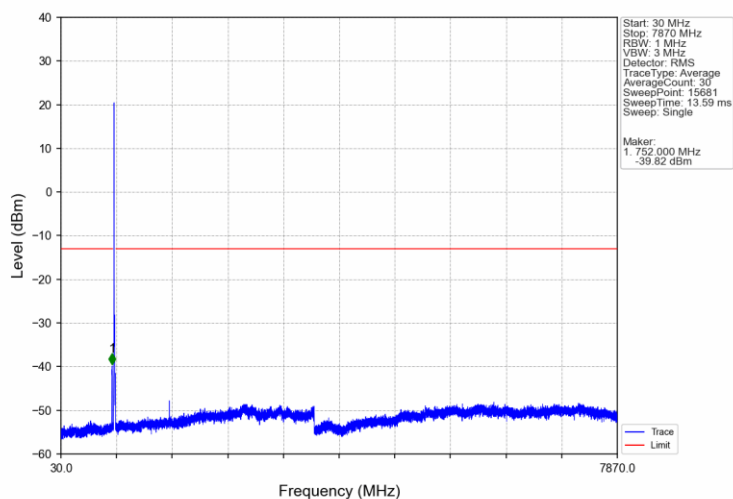
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



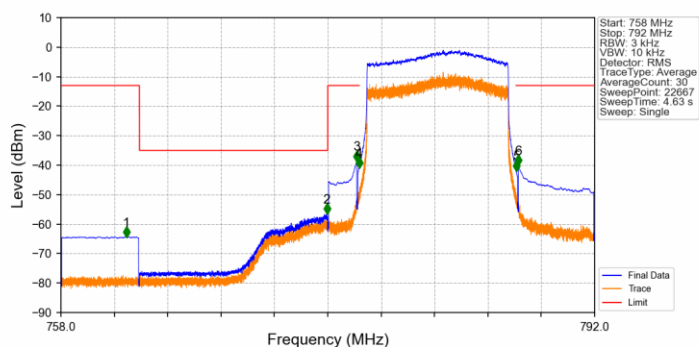
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13 10MHz QPSK LCH 782MHz RB 1 0 NTNV

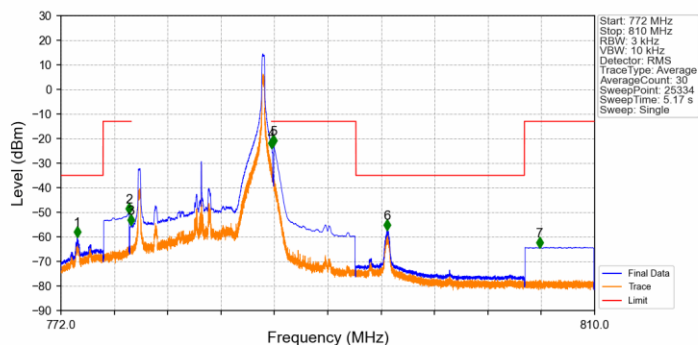


Band13 10MHz QPSK LCH 782MHz RB 50 0 NTNV



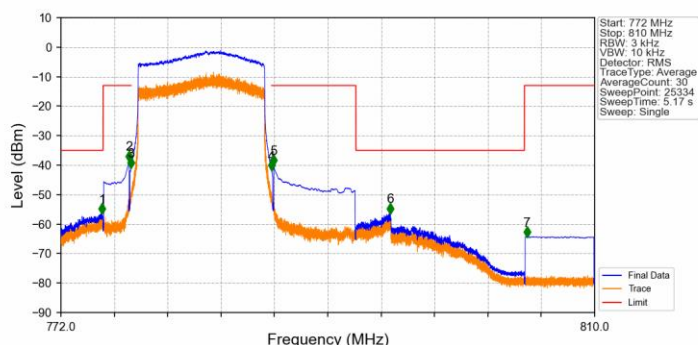
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.167	-64.30	-13	Pass
763	775	0.00625	CHP	2	774.940	-56.40	-35	Pass
775	776.9	0.1	CHP	3	776.850	-38.51	-13	Pass
776.9	777	0.03	CHP	4	777.000	-40.70	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-41.74	-13	Pass
787.1	792	0.1	CHP	6	787.150	-39.87	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTNV



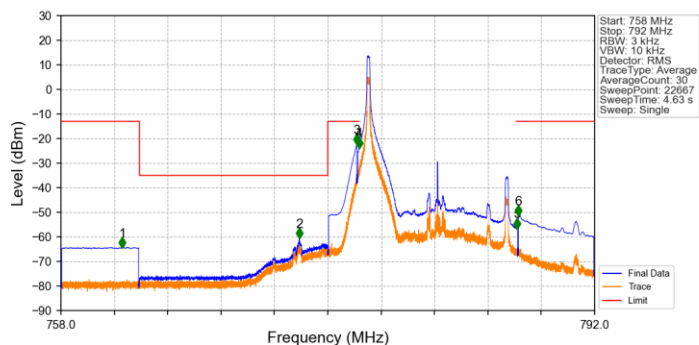
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.163	-59.89	-35	Pass
775	776.9	0.1	CHP	2	776.839	-50.43	-13	Pass
776.9	777	0.03	CHP	3	777.000	-55.00	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-23.81	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.63	-13	Pass
793	805	0.00625	CHP	6	795.223	-57.10	-35	Pass
805	810	0.1	CHP	7	806.095	-64.21	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 50 0 NTNV

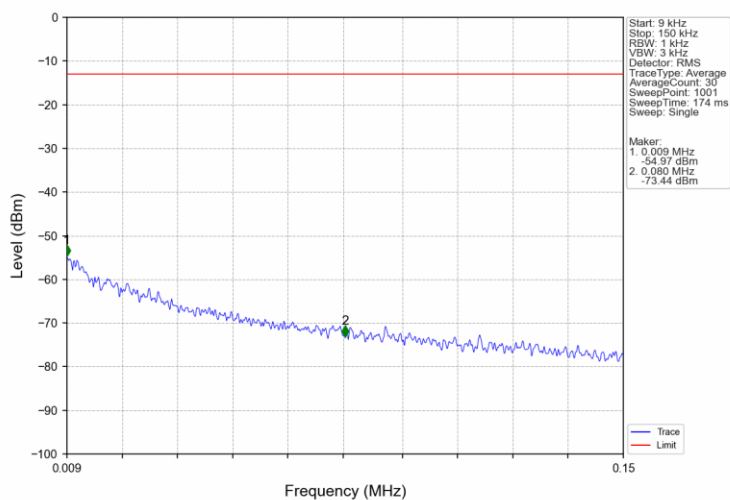


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.928	-56.43	-35	Pass
775	776.9	0.1	CHP	2	776.850	-38.54	-13	Pass
776.9	777	0.03	CHP	3	777.000	-40.72	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.003	-41.65	-13	Pass
787.1	793	0.1	CHP	5	787.150	-39.86	-13	Pass
793	805	0.00625	CHP	6	795.429	-56.27	-35	Pass
805	810	0.1	CHP	7	805.179	-64.26	-13	Pass

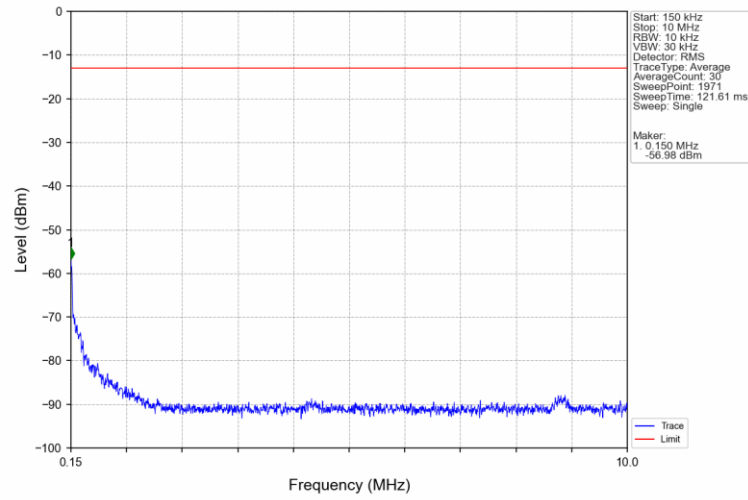
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



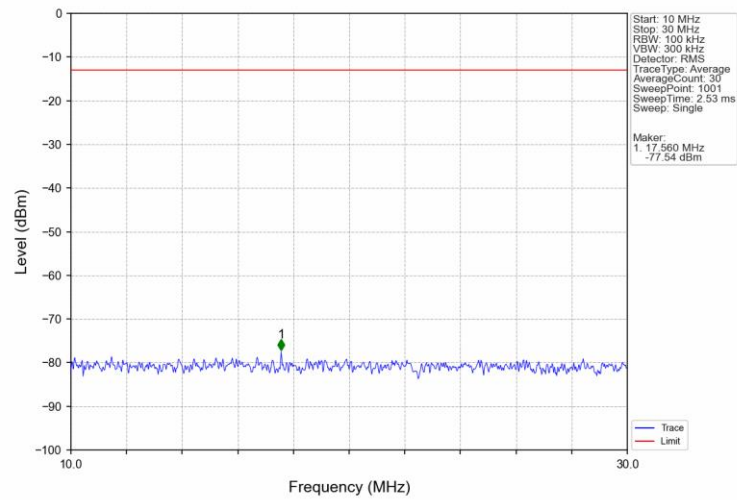
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



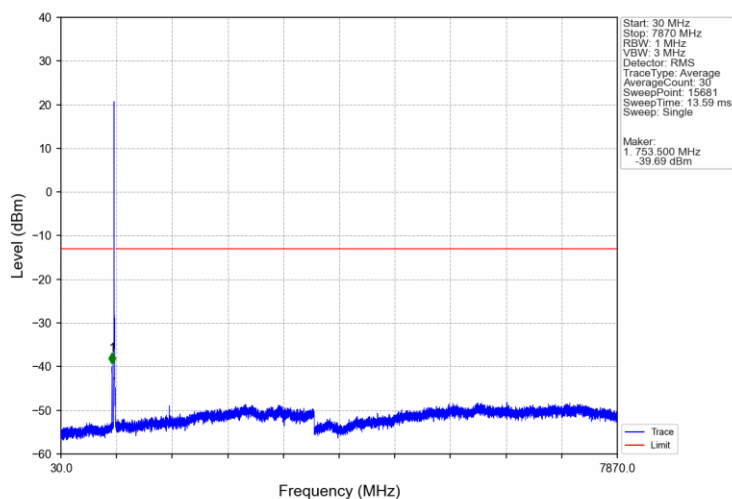
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



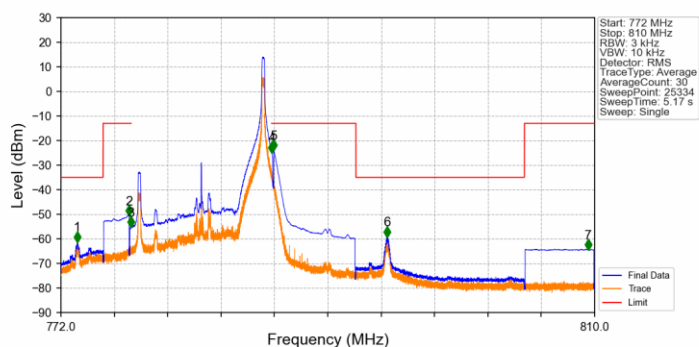
Band13 10MHz 16QAM LCH 782MHz RB 1 0 NTNV



Band13 10MHz 16QAM LCH 782MHz RB 1 0 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	773.164	-61.03	-35	Pass
775	776.9	0.1	CHP	2	776.842	-50.33	-13	Pass
776.9	777	0.03	CHP	3	776.989	-54.96	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.012	-24.64	-13	Pass
787.1	793	0.1	CHP	5	787.150	-23.67	-13	Pass
793	805	0.00625	CHP	6	795.237	-58.97	-35	Pass
805	810	0.1	CHP	7	809.560	-64.16	-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	0.0149	ppm	4M59G7D	27F	23.53
13	5	779.5	784.5	0.1841	0.0143	ppm	4M62W7D	27F	22.65
13	10	782	782	0.2228	0.0127	ppm	8M99G7D	27F	23.48
13	10	782	782	0.1671	0.0108	ppm	5M20W7D	27F	22.23

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	0.1892	0.0149	ppm	4M59G7D	27F	22.77
13	5	779.5	784.5	0.1545	0.0143	ppm	4M62W7D	27F	21.89
13	10	782	782	0.1871	0.0127	ppm	8M99G7D	27F	22.72
13	10	782	782	0.1403	0.0108	ppm	5M20W7D	27F	21.47

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