

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	23.90	-6.00	15.75	<=34.77	Pass
			13	24.08	-6.00	15.93	<=34.77	Pass
			24	23.98	-6.00	15.83	<=34.77	Pass
		12	0	22.90	-6.00	14.75	<=34.77	Pass
			6	22.99	-6.00	14.84	<=34.77	Pass
			13	23.02	-6.00	14.87	<=34.77	Pass
		25	0	22.99	-6.00	14.84	<=34.77	Pass
	782	1	0	23.93	-6.00	15.78	<=34.77	Pass
			13	24.22	-6.00	16.07	<=34.77	Pass
			24	23.92	-6.00	15.77	<=34.77	Pass
		12	0	22.92	-6.00	14.77	<=34.77	Pass
			6	22.98	-6.00	14.83	<=34.77	Pass
			13	23.02	-6.00	14.87	<=34.77	Pass
		25	0	22.95	-6.00	14.80	<=34.77	Pass
	784.5	1	0	24.05	-6.00	15.90	<=34.77	Pass
			13	24.05	-6.00	15.90	<=34.77	Pass
			24	23.89	-6.00	15.74	<=34.77	Pass
		12	0	22.92	-6.00	14.77	<=34.77	Pass
			6	22.93	-6.00	14.78	<=34.77	Pass
			13	23.00	-6.00	14.85	<=34.77	Pass
		25	0	22.91	-6.00	14.76	<=34.77	Pass
16QAM	779.5	1	0	23.33	-6.00	15.18	<=34.77	Pass
			13	23.42	-6.00	15.27	<=34.77	Pass
			24	23.28	-6.00	15.13	<=34.77	Pass
		12	0	21.93	-6.00	13.78	<=34.77	Pass
			6	22.01	-6.00	13.86	<=34.77	Pass
			13	21.94	-6.00	13.79	<=34.77	Pass
		25	0	22.04	-6.00	13.89	<=34.77	Pass
	782	1	0	23.12	-6.00	14.97	<=34.77	Pass
			13	23.55	-6.00	15.40	<=34.77	Pass
			24	23.28	-6.00	15.13	<=34.77	Pass
		12	0	22.00	-6.00	13.85	<=34.77	Pass
			6	21.94	-6.00	13.79	<=34.77	Pass
			13	22.02	-6.00	13.87	<=34.77	Pass
		25	0	21.87	-6.00	13.72	<=34.77	Pass
	784.5	1	0	23.39	-6.00	15.24	<=34.77	Pass
			13	23.34	-6.00	15.19	<=34.77	Pass
			24	23.20	-6.00	15.05	<=34.77	Pass
		12	0	21.92	-6.00	13.77	<=34.77	Pass
			6	22.01	-6.00	13.86	<=34.77	Pass
			13	22.05	-6.00	13.90	<=34.77	Pass
		25	0	21.90	-6.00	13.75	<=34.77	Pass
64QAM	779.5	1	0	22.96	-6.00	14.81	<=34.77	Pass
			13	23.21	-6.00	15.06	<=34.77	Pass
			24	22.96	-6.00	14.81	<=34.77	Pass
		12	0	21.90	-6.00	13.75	<=34.77	Pass
			6	22.06	-6.00	13.91	<=34.77	Pass
			13	22.04	-6.00	13.89	<=34.77	Pass
		25	0	22.01	-6.00	13.86	<=34.77	Pass

	782	1	0	23.04	-6.00	14.89	<=34.77	Pass
			13	23.07	-6.00	14.92	<=34.77	Pass
			24	23.16	-6.00	15.01	<=34.77	Pass
		12	0	21.94	-6.00	13.79	<=34.77	Pass
			6	21.97	-6.00	13.82	<=34.77	Pass
			13	22.03	-6.00	13.88	<=34.77	Pass
		25	0	21.87	-6.00	13.72	<=34.77	Pass
	784.5	1	0	23.17	-6.00	15.02	<=34.77	Pass
			13	23.25	-6.00	15.10	<=34.77	Pass
			24	23.05	-6.00	14.90	<=34.77	Pass
		12	0	21.93	-6.00	13.78	<=34.77	Pass
			6	21.99	-6.00	13.84	<=34.77	Pass
			13	22.03	-6.00	13.88	<=34.77	Pass
		25	0	22.01	-6.00	13.86	<=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	23.86	-6.00	15.71	<=34.77	Pass
			25	23.94	-6.00	15.79	<=34.77	Pass
			49	23.80	-6.00	15.65	<=34.77	Pass
		25	0	22.93	-6.00	14.78	<=34.77	Pass
			13	22.95	-6.00	14.80	<=34.77	Pass
			25	23.03	-6.00	14.88	<=34.77	Pass
		50	0	22.95	-6.00	14.80	<=34.77	Pass
16QAM	782	1	0	23.27	-6.00	15.12	<=34.77	Pass
			25	23.32	-6.00	15.17	<=34.77	Pass
			49	23.14	-6.00	14.99	<=34.77	Pass
		25	0	21.96	-6.00	13.81	<=34.77	Pass
			13	22.02	-6.00	13.87	<=34.77	Pass
			25	22.02	-6.00	13.87	<=34.77	Pass
		50	0	21.94	-6.00	13.79	<=34.77	Pass
64QAM	782	1	0	22.99	-6.00	14.84	<=34.77	Pass
			25	23.28	-6.00	15.13	<=34.77	Pass
			49	22.93	-6.00	14.78	<=34.77	Pass
		25	0	21.94	-6.00	13.79	<=34.77	Pass
			13	21.96	-6.00	13.81	<=34.77	Pass
			25	21.94	-6.00	13.79	<=34.77	Pass
		50	0	22.04	-6.00	13.89	<=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	3.4	0.100	0.0001	-2.5 to 2.5	Pass
					3.92	0.500	0.0006	-2.5 to 2.5	Pass
					4.53	0.800	0.0010	-2.5 to 2.5	Pass
				-30	3.92	0.700	0.0009	-2.5 to 2.5	Pass
				-20	3.92	0.800	0.0010	-2.5 to 2.5	Pass
				-10	3.92	0.800	0.0010	-2.5 to 2.5	Pass
				0	3.92	0.500	0.0006	-2.5 to 2.5	Pass
				10	3.92	0.800	0.0010	-2.5 to 2.5	Pass
				30	3.92	1.200	0.0015	-2.5 to 2.5	Pass
				40	3.92	2.100	0.0027	-2.5 to 2.5	Pass
				50	3.92	2.100	0.0027	-2.5 to 2.5	Pass
	782	25	0	20	3.4	3.900	0.0050	-2.5 to 2.5	Pass
					3.92	4.800	0.0061	-2.5 to 2.5	Pass
					4.53	3.000	0.0038	-2.5 to 2.5	Pass
				-30	3.92	3.500	0.0045	-2.5 to 2.5	Pass
				-20	3.92	4.300	0.0055	-2.5 to 2.5	Pass
				-10	3.92	3.200	0.0041	-2.5 to 2.5	Pass
				0	3.92	3.800	0.0049	-2.5 to 2.5	Pass
				10	3.92	3.100	0.0040	-2.5 to 2.5	Pass
				30	3.92	1.400	0.0018	-2.5 to 2.5	Pass
				40	3.92	2.200	0.0028	-2.5 to 2.5	Pass
				50	3.92	2.700	0.0035	-2.5 to 2.5	Pass
	784.5	25	0	20	3.4	2.500	0.0032	-2.5 to 2.5	Pass
					3.92	1.200	0.0015	-2.5 to 2.5	Pass
					4.53	2.000	0.0025	-2.5 to 2.5	Pass
				-30	3.92	0.700	0.0009	-2.5 to 2.5	Pass
				-20	3.92	2.200	0.0028	-2.5 to 2.5	Pass
				-10	3.92	0.700	0.0009	-2.5 to 2.5	Pass
				0	3.92	4.400	0.0056	-2.5 to 2.5	Pass
				10	3.92	2.500	0.0032	-2.5 to 2.5	Pass
				30	3.92	1.800	0.0023	-2.5 to 2.5	Pass
				40	3.92	1.500	0.0019	-2.5 to 2.5	Pass
				50	3.92	2.300	0.0029	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.4	1.300	0.0017	-2.5 to 2.5	Pass
					3.92	1.600	0.0021	-2.5 to 2.5	Pass
					4.53	1.200	0.0015	-2.5 to 2.5	Pass
				-30	3.92	1.400	0.0018	-2.5 to 2.5	Pass
				-20	3.92	1.300	0.0017	-2.5 to 2.5	Pass
				-10	3.92	1.400	0.0018	-2.5 to 2.5	Pass
				0	3.92	1.000	0.0013	-2.5 to 2.5	Pass
				10	3.92	0.400	0.0005	-2.5 to 2.5	Pass
				30	3.92	0.200	0.0003	-2.5 to 2.5	Pass
				40	3.92	1.700	0.0022	-2.5 to 2.5	Pass
				50	3.92	1.000	0.0013	-2.5 to 2.5	Pass
	782	25	0	20	3.4	3.400	0.0043	-2.5 to 2.5	Pass
					3.92	1.900	0.0024	-2.5 to 2.5	Pass
					4.53	2.300	0.0029	-2.5 to 2.5	Pass

				-30	3.92	3.400	0.0043	-2.5 to 2.5	Pass
				-20	3.92	1.500	0.0019	-2.5 to 2.5	Pass
				-10	3.92	2.400	0.0031	-2.5 to 2.5	Pass
				0	3.92	3.200	0.0041	-2.5 to 2.5	Pass
				10	3.92	2.000	0.0026	-2.5 to 2.5	Pass
				30	3.92	2.600	0.0033	-2.5 to 2.5	Pass
				40	3.92	3.700	0.0047	-2.5 to 2.5	Pass
				50	3.92	2.900	0.0037	-2.5 to 2.5	Pass
	784.5	25	0	20	3.4	1.200	0.0015	-2.5 to 2.5	Pass
					3.92	0.700	0.0009	-2.5 to 2.5	Pass
					4.53	0.600	0.0008	-2.5 to 2.5	Pass
				-30	3.92	0.900	0.0011	-2.5 to 2.5	Pass
				-20	3.92	1.800	0.0023	-2.5 to 2.5	Pass
				-10	3.92	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.92	1.400	0.0018	-2.5 to 2.5	Pass
				10	3.92	0.400	0.0005	-2.5 to 2.5	Pass
				30	3.92	1.200	0.0015	-2.5 to 2.5	Pass
				40	3.92	2.000	0.0025	-2.5 to 2.5	Pass
				50	3.92	0.100	0.0001	-2.5 to 2.5	Pass
64QAM	779.5	25	0	20	3.4	-26.700	-0.0343	-2.5 to 2.5	Pass
					3.92	-41.300	-0.0530	-2.5 to 2.5	Pass
					4.53	13.500	0.0173	-2.5 to 2.5	Pass
				-30	3.92	59.100	0.0758	-2.5 to 2.5	Pass
				-20	3.92	-29.100	-0.0373	-2.5 to 2.5	Pass
				-10	3.92	35.900	0.0461	-2.5 to 2.5	Pass
				0	3.92	-18.400	-0.0236	-2.5 to 2.5	Pass
				10	3.92	11.700	0.0150	-2.5 to 2.5	Pass
				30	3.92	-10.400	-0.0133	-2.5 to 2.5	Pass
				40	3.92	-14.500	-0.0186	-2.5 to 2.5	Pass
				50	3.92	-1.700	-0.0022	-2.5 to 2.5	Pass
	782	25	0	20	3.4	14.000	0.0179	-2.5 to 2.5	Pass
					3.92	-12.800	-0.0164	-2.5 to 2.5	Pass
					4.53	-8.500	-0.0109	-2.5 to 2.5	Pass
				-30	3.92	23.300	0.0298	-2.5 to 2.5	Pass
				-20	3.92	-1.200	-0.0015	-2.5 to 2.5	Pass
				-10	3.92	-19.800	-0.0253	-2.5 to 2.5	Pass
				0	3.92	-12.000	-0.0153	-2.5 to 2.5	Pass
				10	3.92	26.000	0.0332	-2.5 to 2.5	Pass
				30	3.92	38.900	0.0497	-2.5 to 2.5	Pass
				40	3.92	2.300	0.0029	-2.5 to 2.5	Pass
				50	3.92	29.500	0.0377	-2.5 to 2.5	Pass
	784.5	25	0	20	3.4	44.100	0.0562	-2.5 to 2.5	Pass
					3.92	-17.900	-0.0228	-2.5 to 2.5	Pass
					4.53	-10.800	-0.0138	-2.5 to 2.5	Pass
				-30	3.92	22.900	0.0292	-2.5 to 2.5	Pass
				-20	3.92	-12.500	-0.0159	-2.5 to 2.5	Pass
				-10	3.92	10.700	0.0136	-2.5 to 2.5	Pass
				0	3.92	-22.700	-0.0289	-2.5 to 2.5	Pass
				10	3.92	8.200	0.0105	-2.5 to 2.5	Pass
				30	3.92	2.100	0.0027	-2.5 to 2.5	Pass
				40	3.92	15.000	0.0191	-2.5 to 2.5	Pass
				50	3.92	-17.200	-0.0219	-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	3.4	1.800	0.0023	-2.5 to 2.5	Pass
					3.92	0.100	0.0001	-2.5 to 2.5	Pass
					4.53	0.600	0.0008	-2.5 to 2.5	Pass
				-30	3.92	1.000	0.0013	-2.5 to 2.5	Pass
				-20	3.92	1.500	0.0019	-2.5 to 2.5	Pass
				-10	3.92	2.100	0.0027	-2.5 to 2.5	Pass
				0	3.92	2.100	0.0027	-2.5 to 2.5	Pass
				10	3.92	1.700	0.0022	-2.5 to 2.5	Pass
				30	3.92	2.100	0.0027	-2.5 to 2.5	Pass
				40	3.92	1.800	0.0023	-2.5 to 2.5	Pass
				50	3.92	-0.500	-0.0006	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.4	1.100	0.0014	-2.5 to 2.5	Pass
					3.92	2.400	0.0031	-2.5 to 2.5	Pass
					4.53	3.900	0.0050	-2.5 to 2.5	Pass
				-30	3.92	3.700	0.0047	-2.5 to 2.5	Pass
				-20	3.92	1.800	0.0023	-2.5 to 2.5	Pass
				-10	3.92	3.800	0.0049	-2.5 to 2.5	Pass
				0	3.92	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.92	0.900	0.0012	-2.5 to 2.5	Pass
				30	3.92	0.200	0.0003	-2.5 to 2.5	Pass
				40	3.92	1.300	0.0017	-2.5 to 2.5	Pass
				50	3.92	0.900	0.0012	-2.5 to 2.5	Pass
64QAM	782	50	0	20	3.4	0.600	0.0008	-2.5 to 2.5	Pass
					3.92	12.300	0.0157	-2.5 to 2.5	Pass
					4.53	8.400	0.0107	-2.5 to 2.5	Pass
				-30	3.92	-13.900	-0.0178	-2.5 to 2.5	Pass
				-20	3.92	16.500	0.0211	-2.5 to 2.5	Pass
				-10	3.92	15.200	0.0194	-2.5 to 2.5	Pass
				0	3.92	6.000	0.0077	-2.5 to 2.5	Pass
				10	3.92	21.300	0.0272	-2.5 to 2.5	Pass
				30	3.92	13.000	0.0166	-2.5 to 2.5	Pass
				40	3.92	-26.200	-0.0335	-2.5 to 2.5	Pass
				50	3.92	6.400	0.0082	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band13_OBW

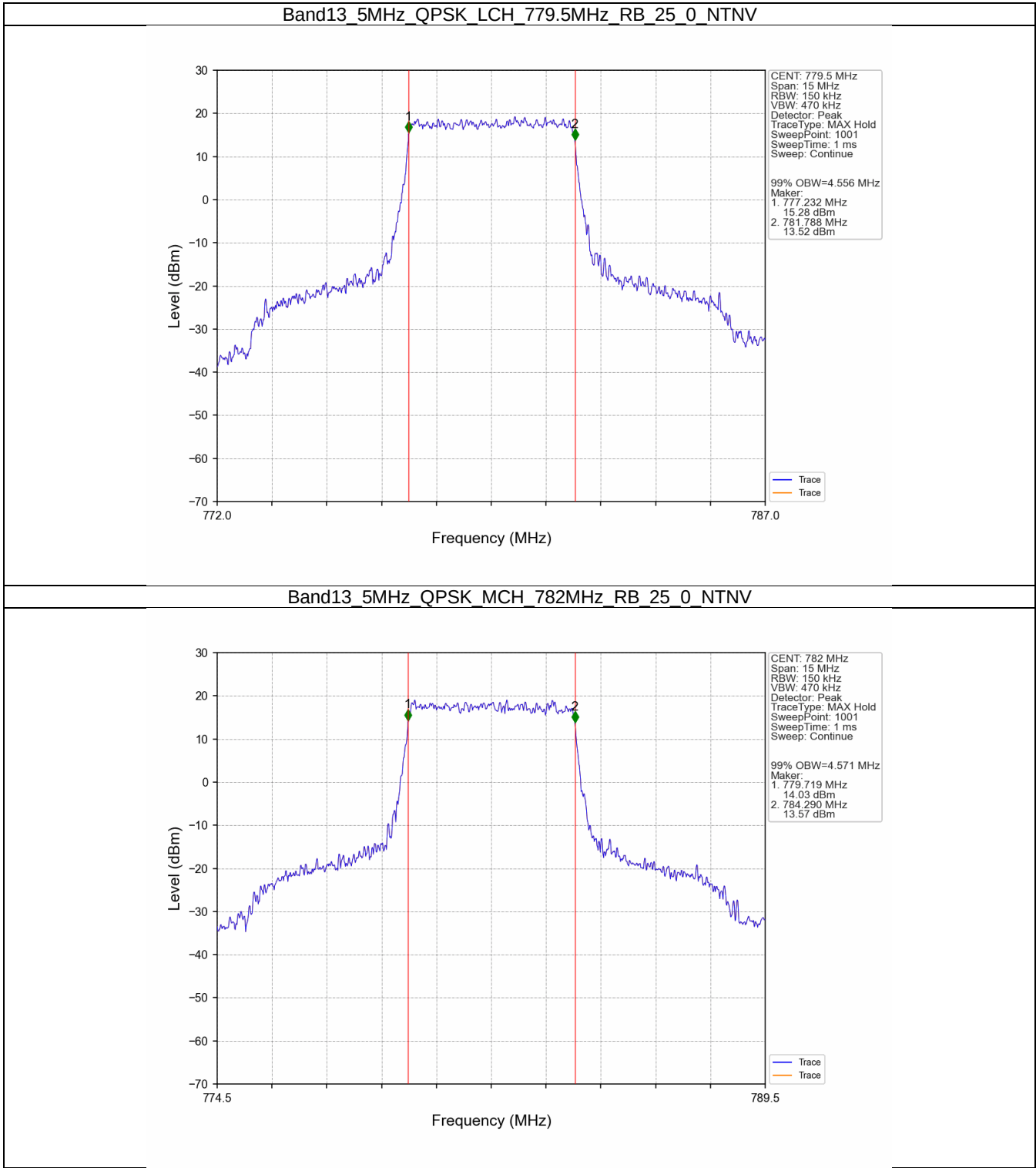
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.556	/	Pass
		782	25	0	4.571	/	Pass
		784.5	25	0	4.568	/	Pass
	16QAM	779.5	25	0	4.543	/	Pass
		782	25	0	4.546	/	Pass
		784.5	25	0	4.559	/	Pass
	64QAM	779.5	25	0	4.562	/	Pass
		782	25	0	4.548	/	Pass
		784.5	25	0	4.575	/	Pass
10	QPSK	782	50	0	9.082	/	Pass
	16QAM	782	50	0	9.060	/	Pass
	64QAM	782	50	0	9.096	/	Pass

3.1.2 Band13_XDB

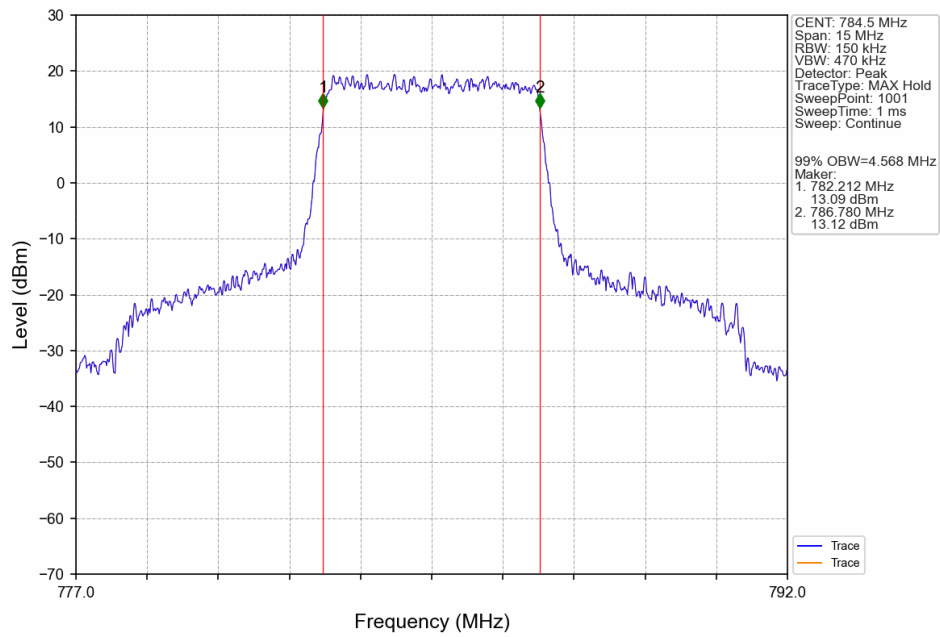
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.279	/	Pass
		782	25	0	5.276	/	Pass
		784.5	25	0	5.181	/	Pass
	16QAM	779.5	25	0	5.153	/	Pass
		782	25	0	5.219	/	Pass
		784.5	25	0	5.239	/	Pass
	64QAM	779.5	25	0	5.156	/	Pass
		782	25	0	5.216	/	Pass
		784.5	25	0	5.264	/	Pass
10	QPSK	782	50	0	10.166	/	Pass
	16QAM	782	50	0	10.334	/	Pass
	64QAM	782	50	0	10.147	/	Pass

3.2 Test Graph

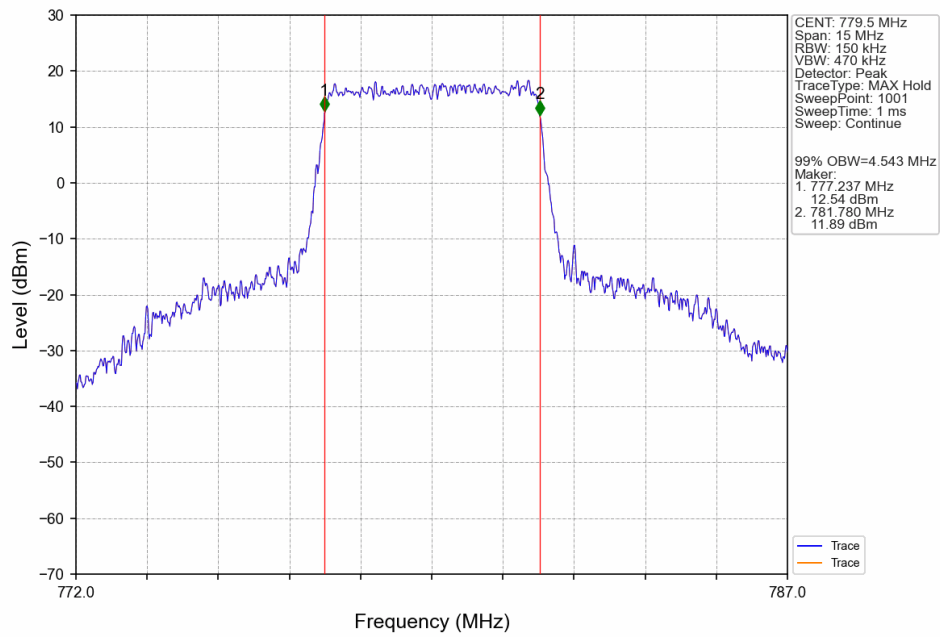
3.2.1 Band13_OBW



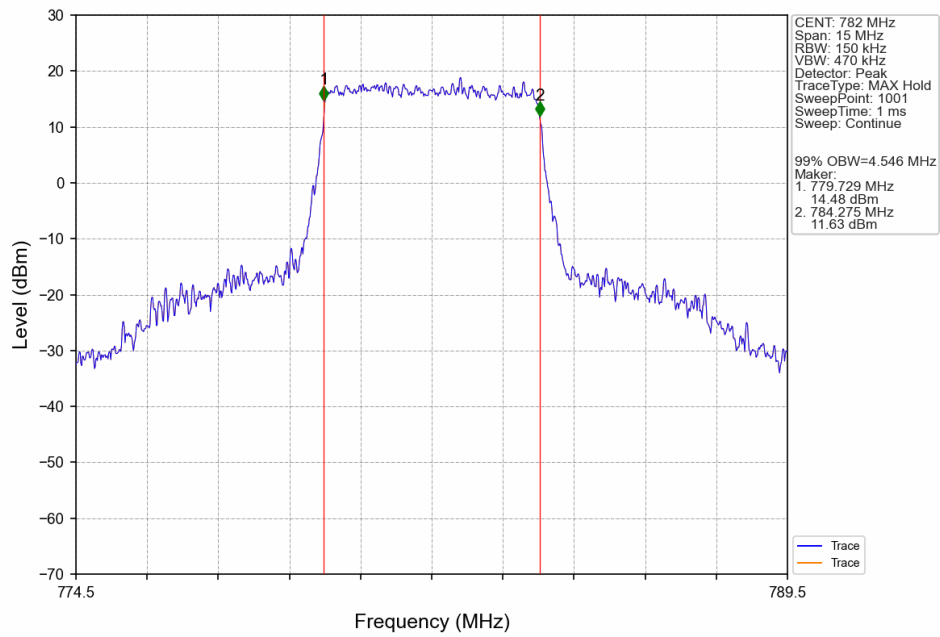
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



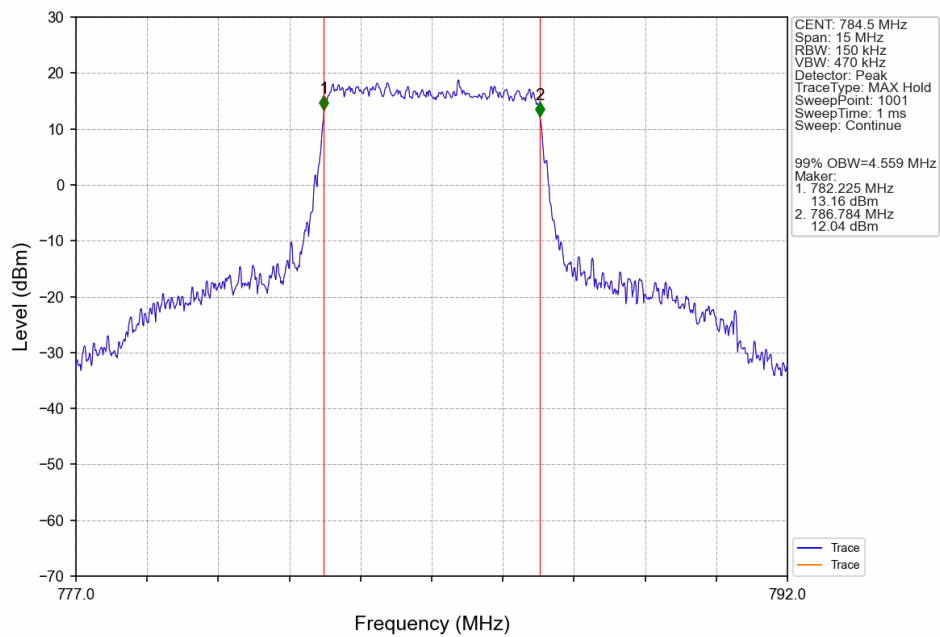
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



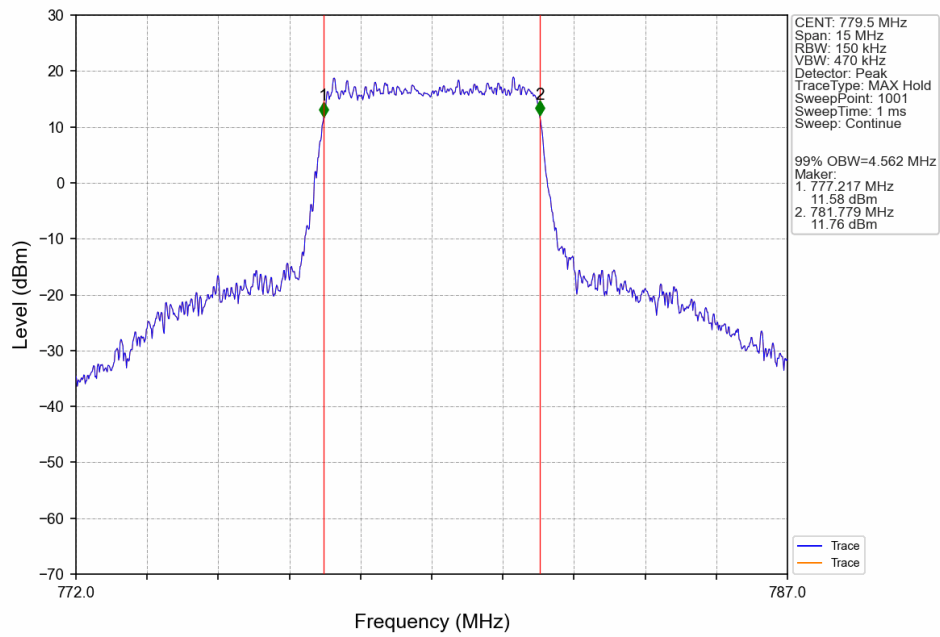
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



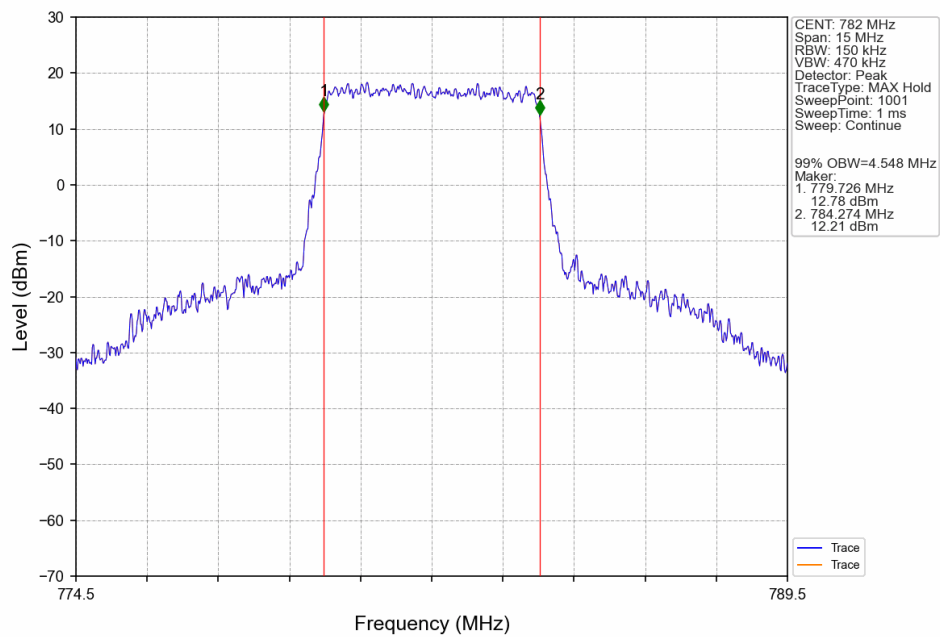
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



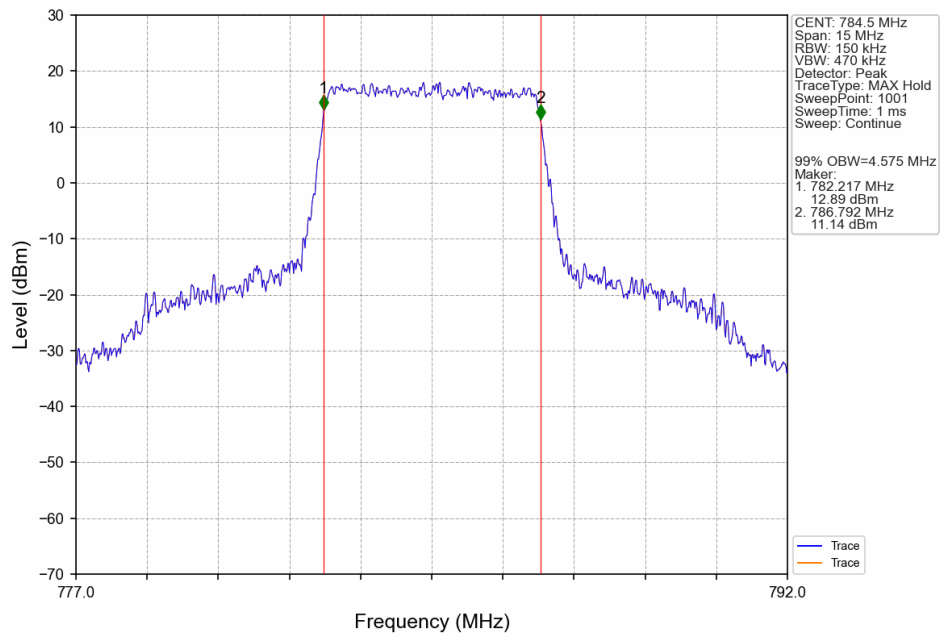
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



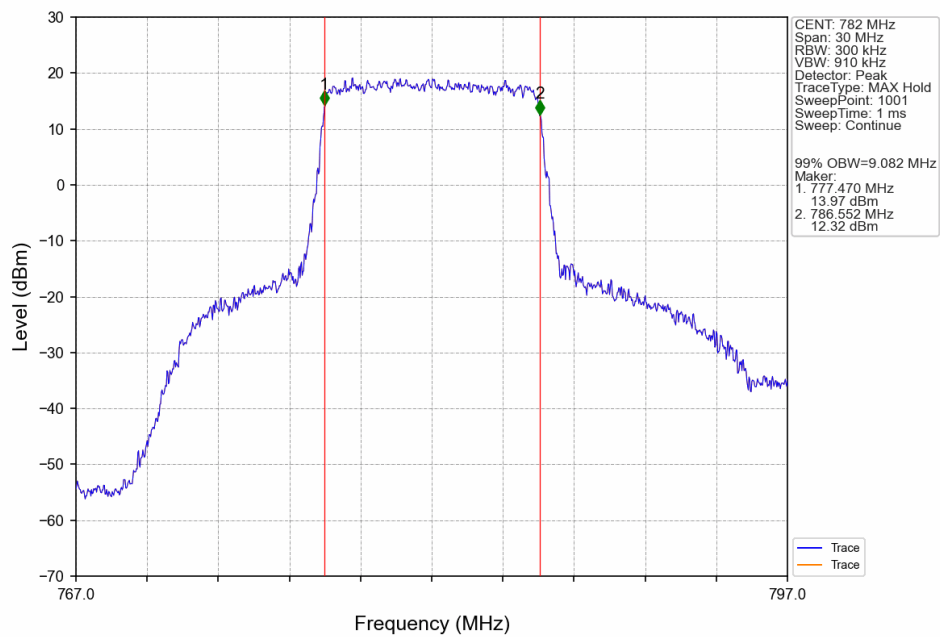
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



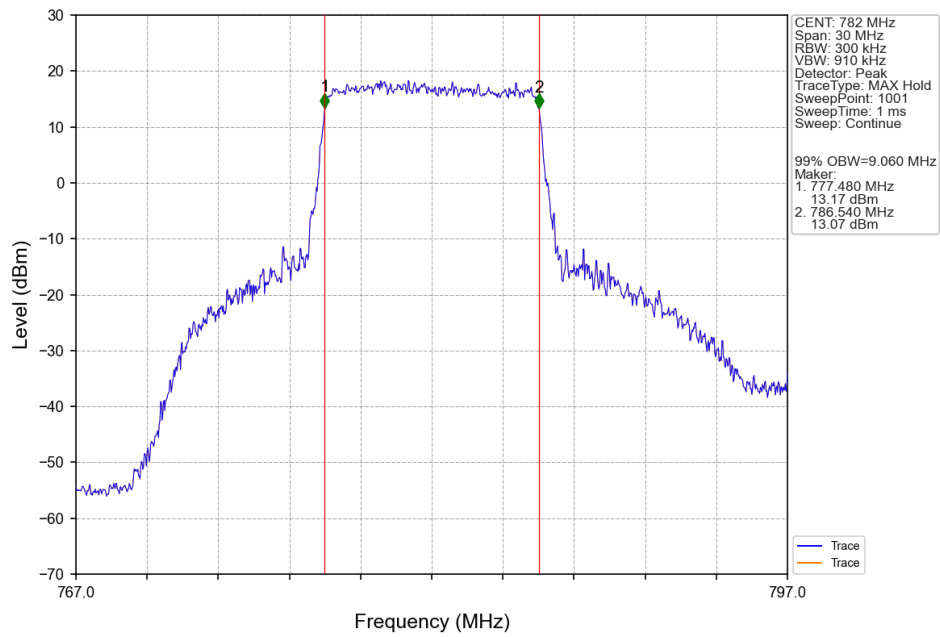
Band13 5MHz 64QAM HCH 784.5MHz RB 25 0 NTNV



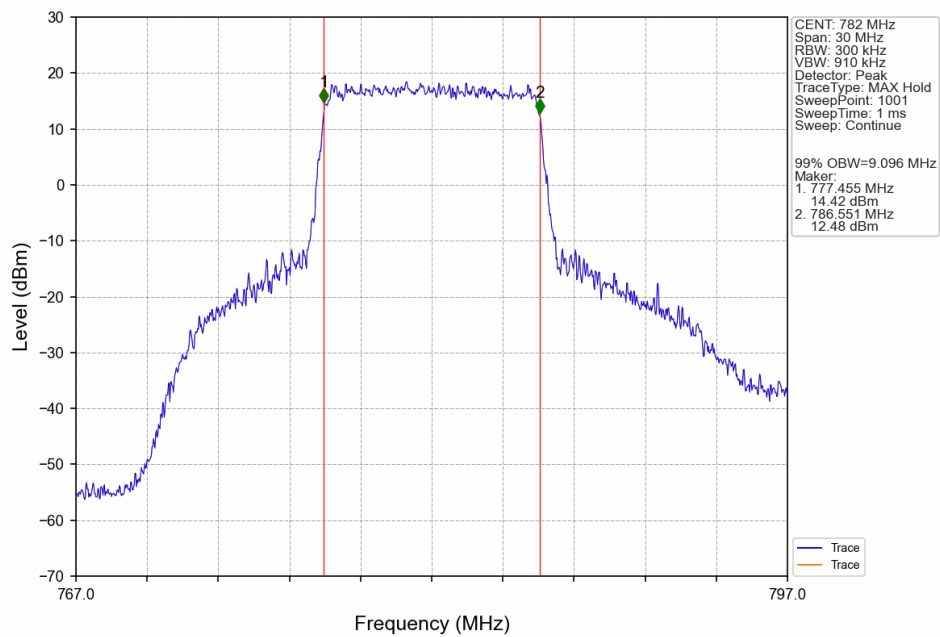
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



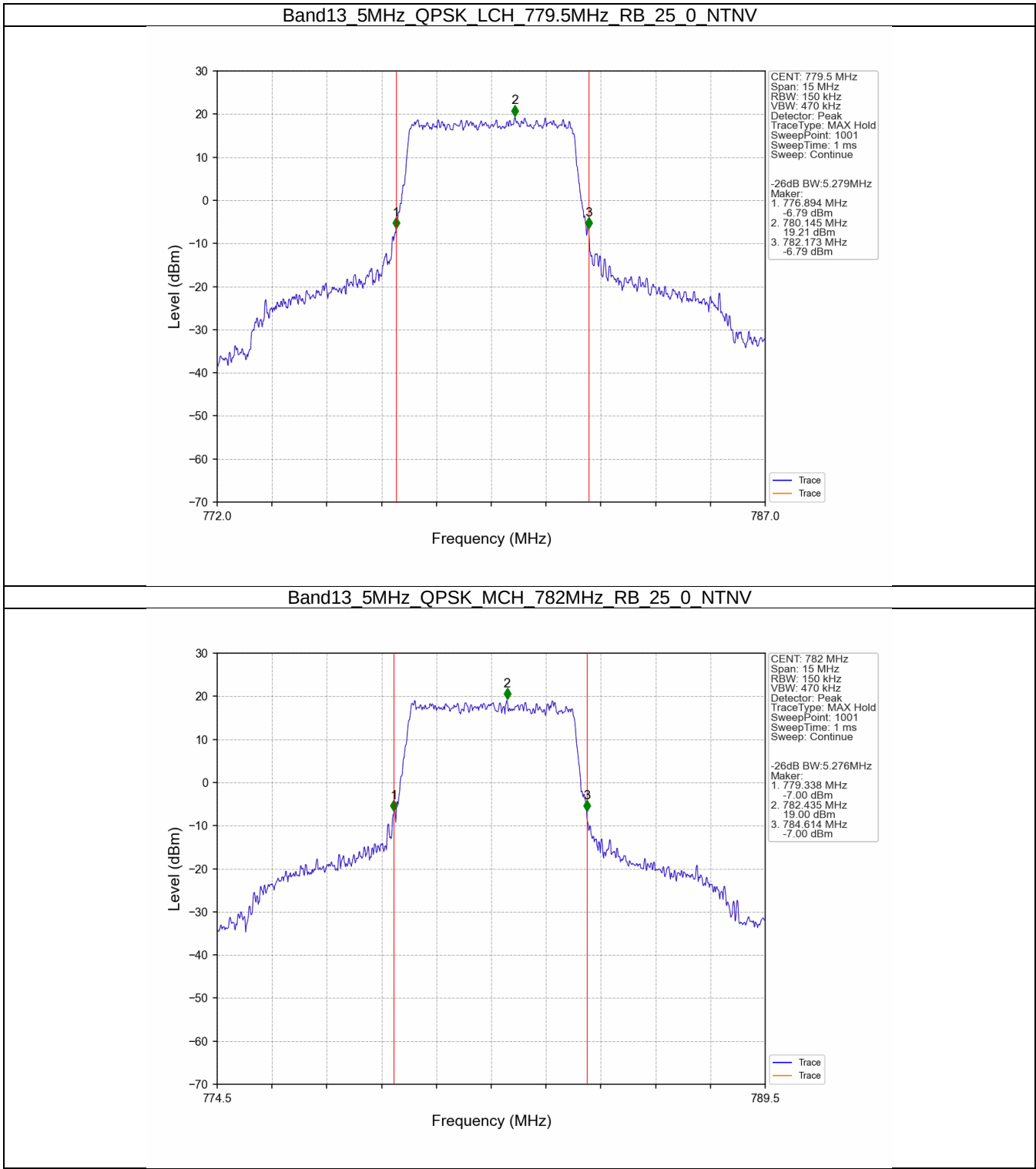
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



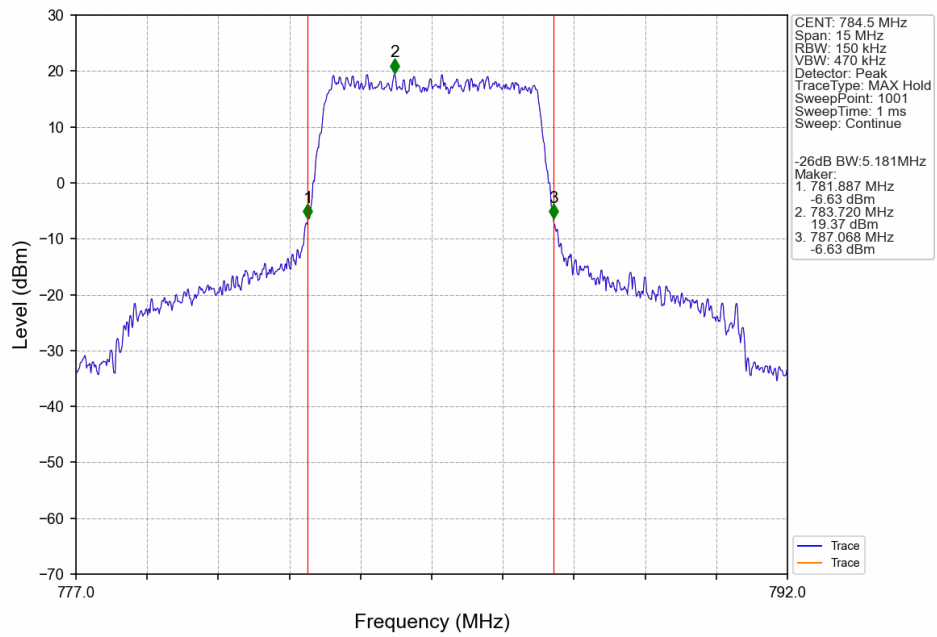
Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV



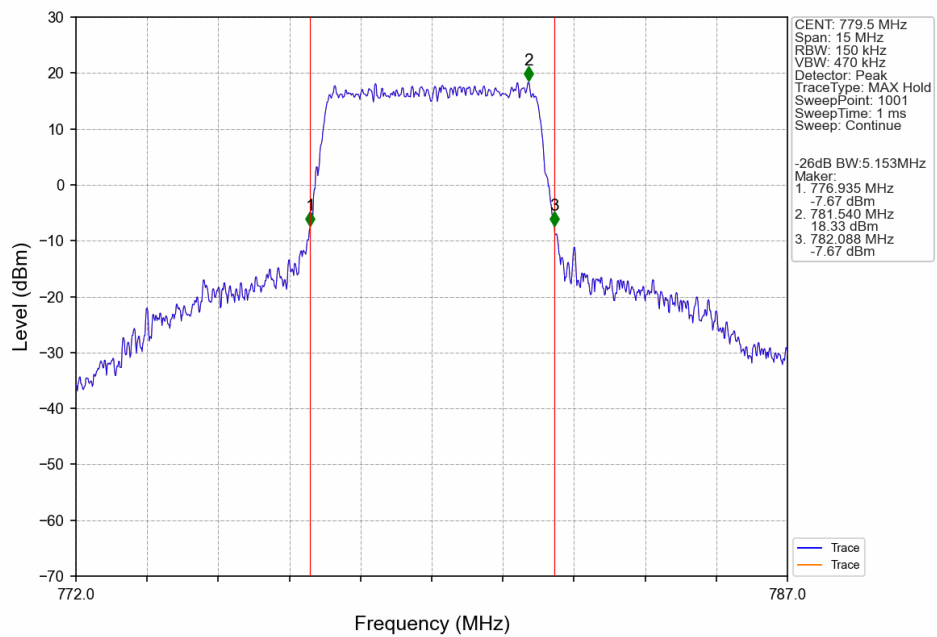
3.2.2 Band13_XDB



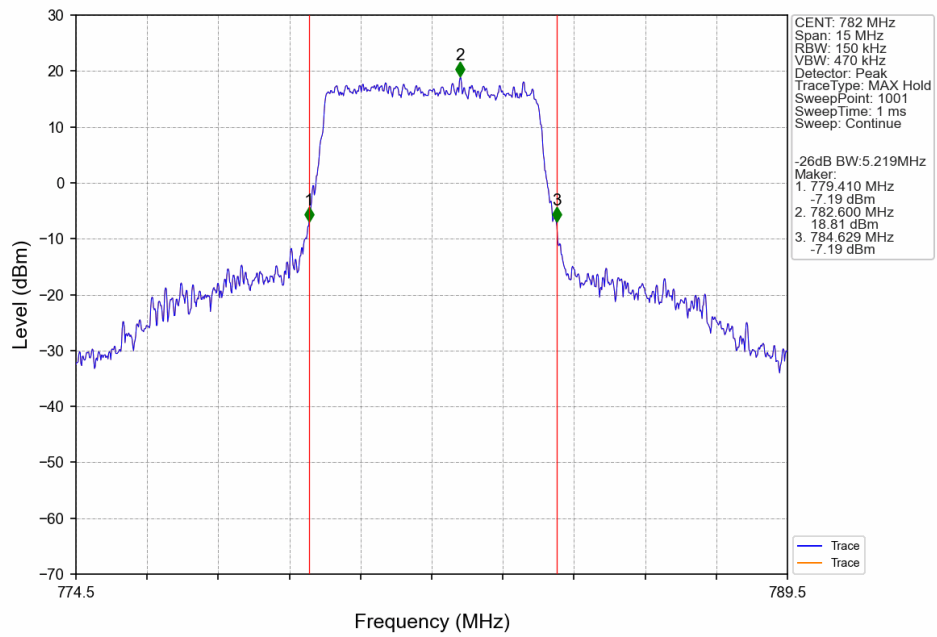
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTN



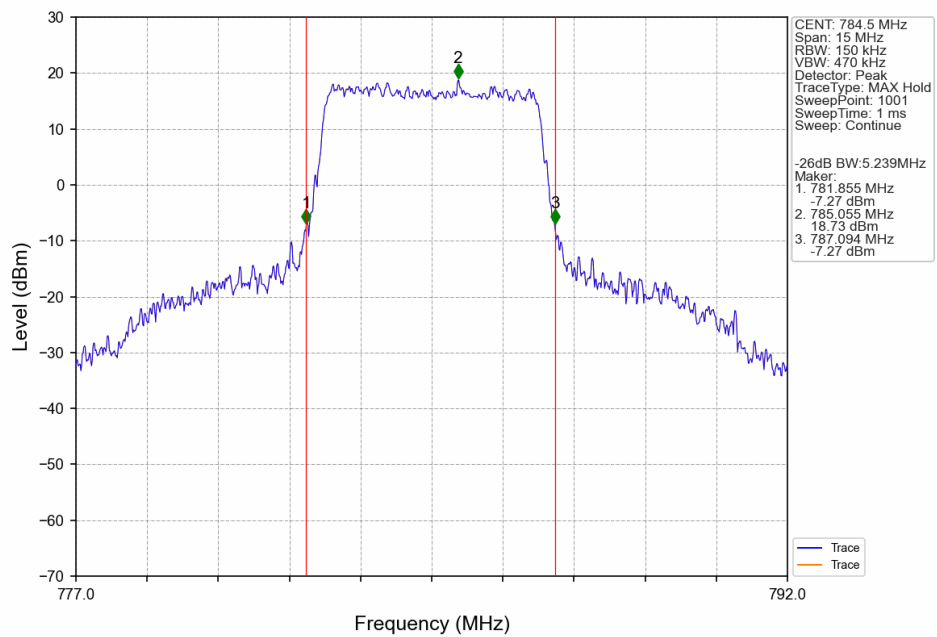
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTN



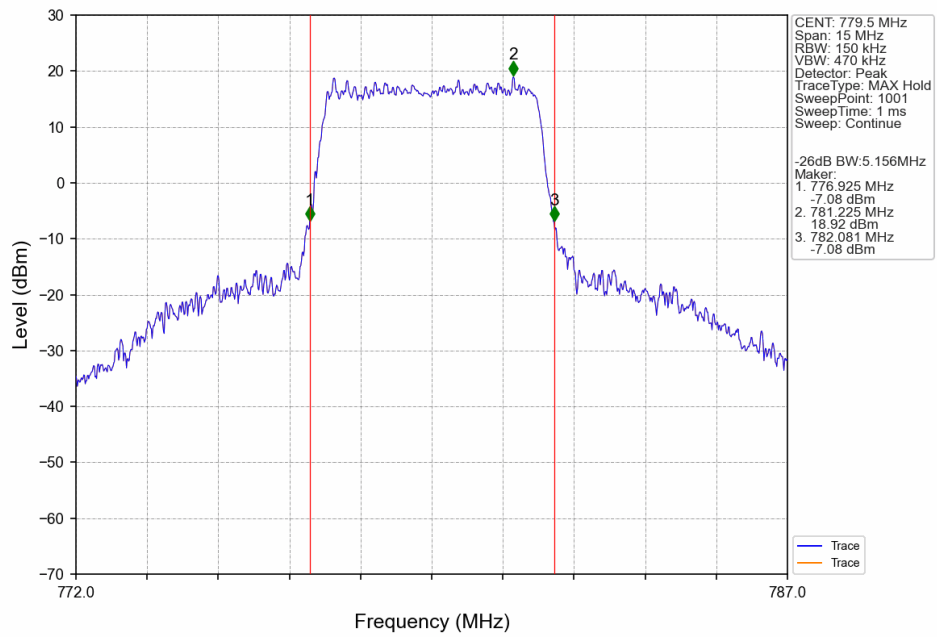
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



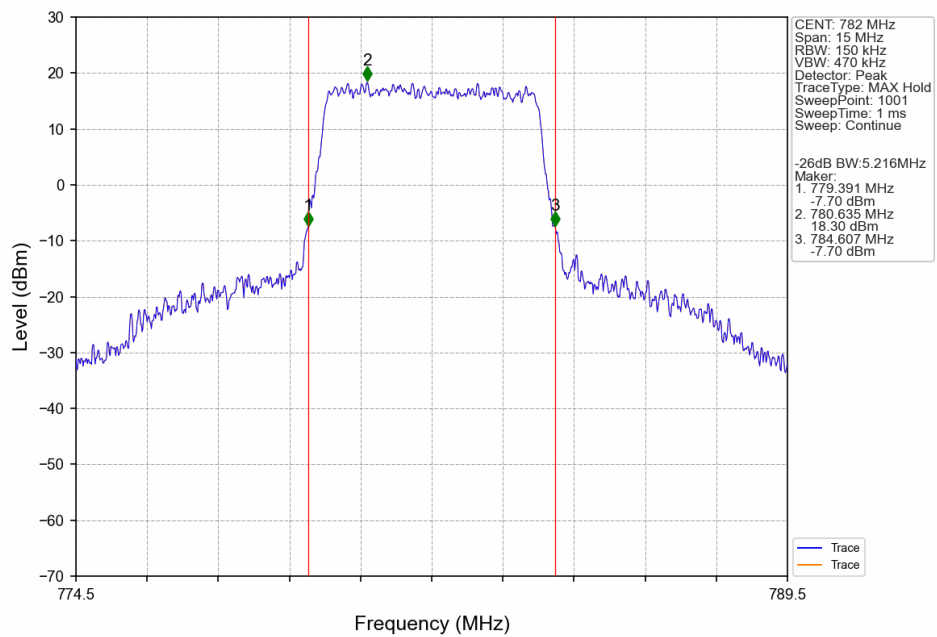
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



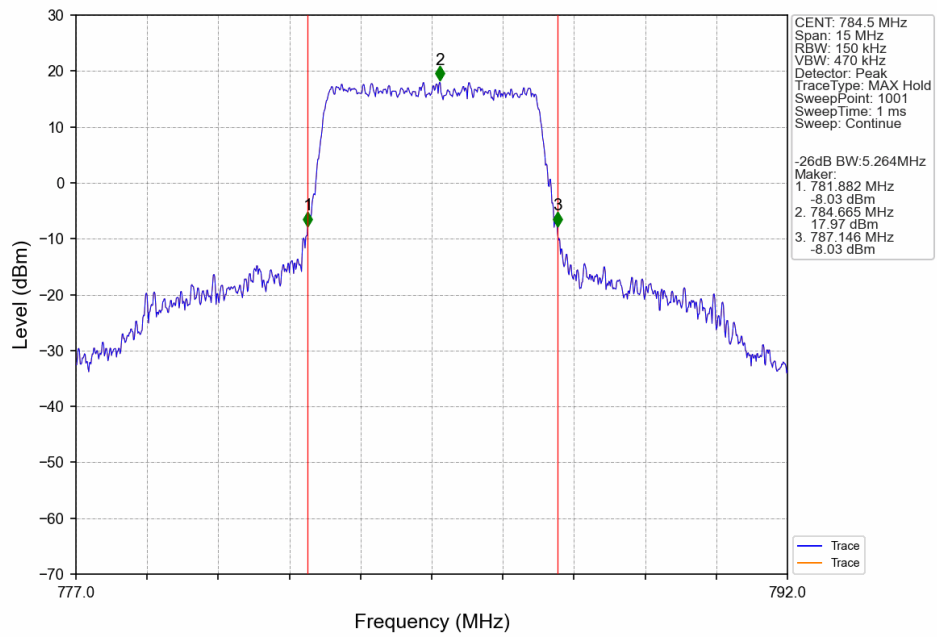
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



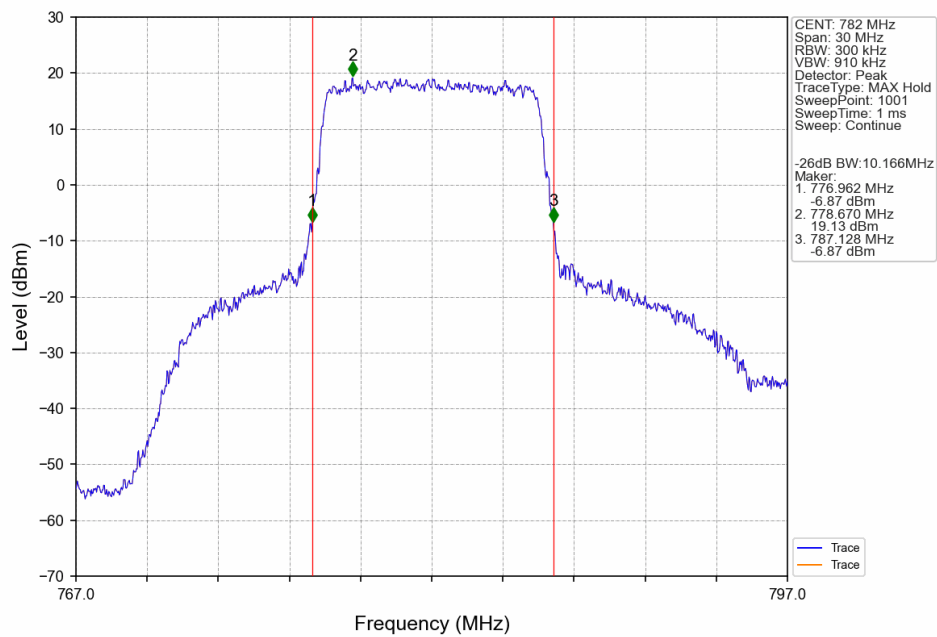
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



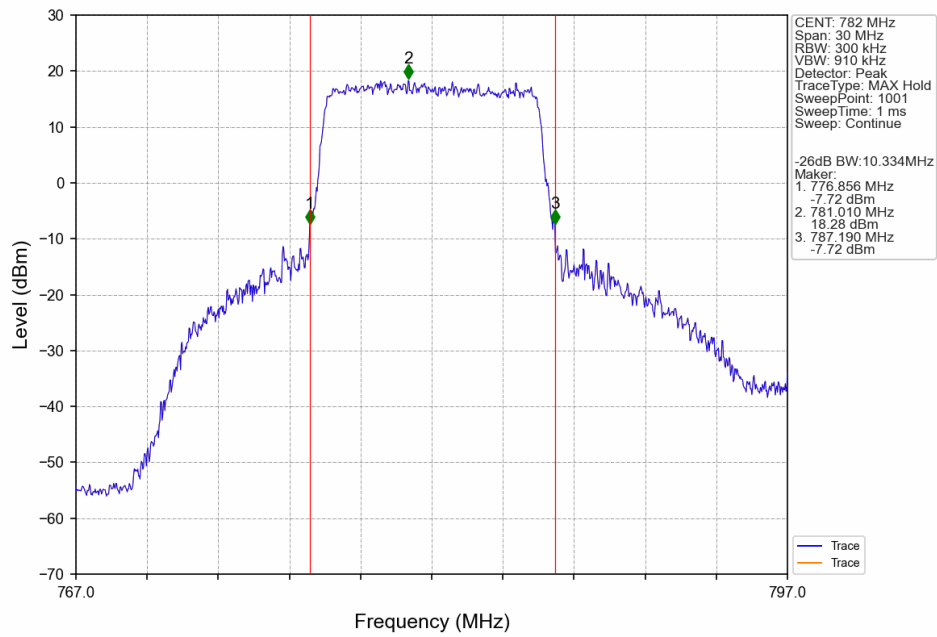
Band13 5MHz 64QAM HCH 784.5MHz RB 25 0 NTNV



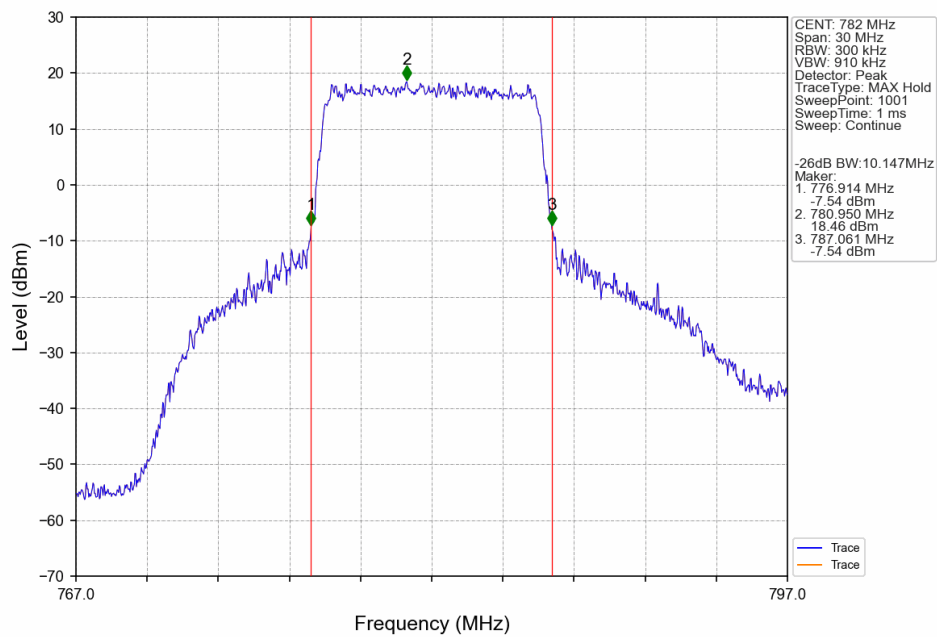
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B13_5MHz

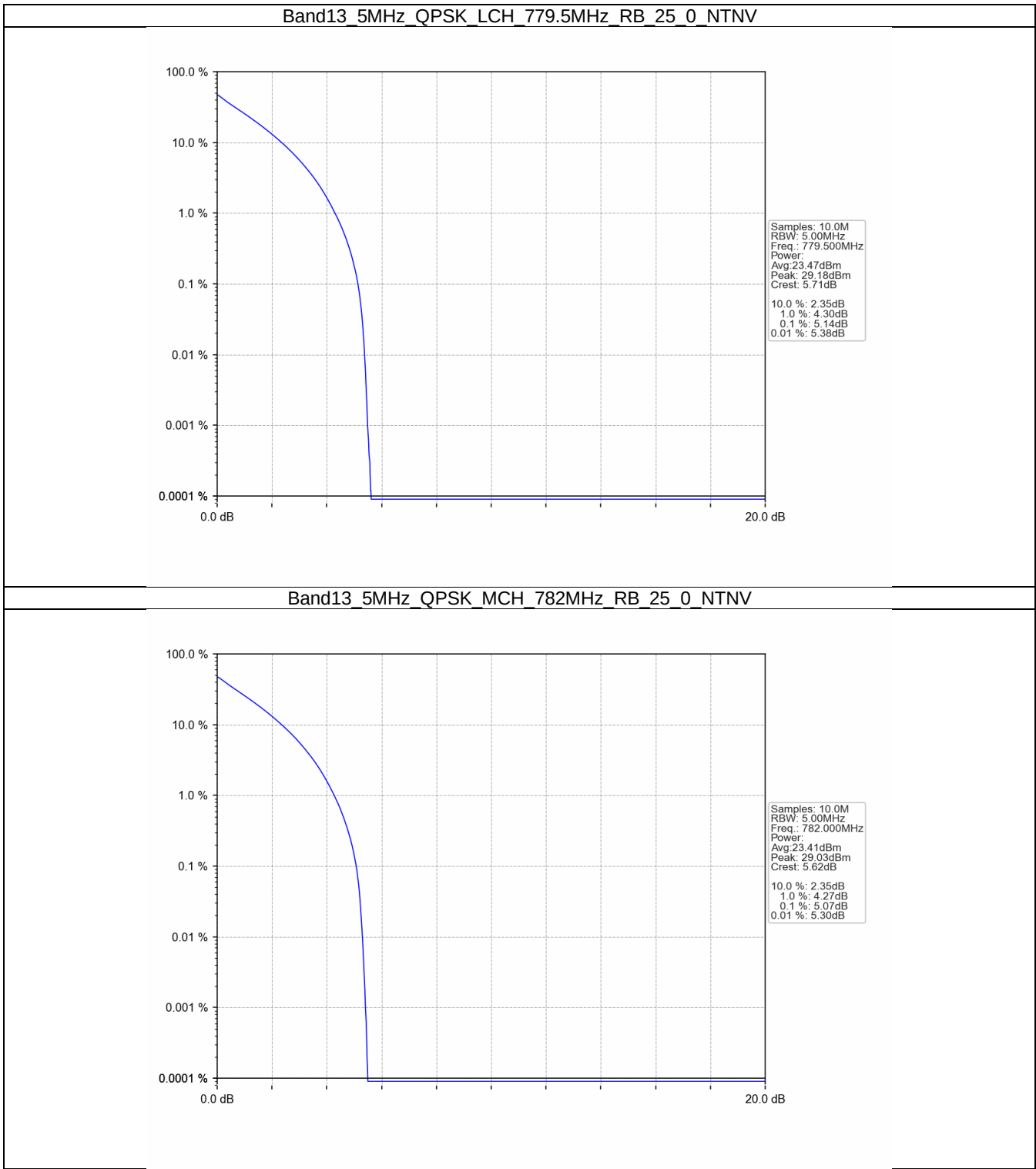
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.14	<=13	Pass
	782	25	0	5.07	<=13	Pass
	784.5	25	0	5.15	<=13	Pass
16QAM	779.5	25	0	5.93	<=13	Pass
	782	25	0	5.84	<=13	Pass
	784.5	25	0	5.91	<=13	Pass
64QAM	779.5	25	0	5.93	<=13	Pass
	782	25	0	5.84	<=13	Pass
	784.5	25	0	5.91	<=13	Pass

4.1.2 B13_10MHz

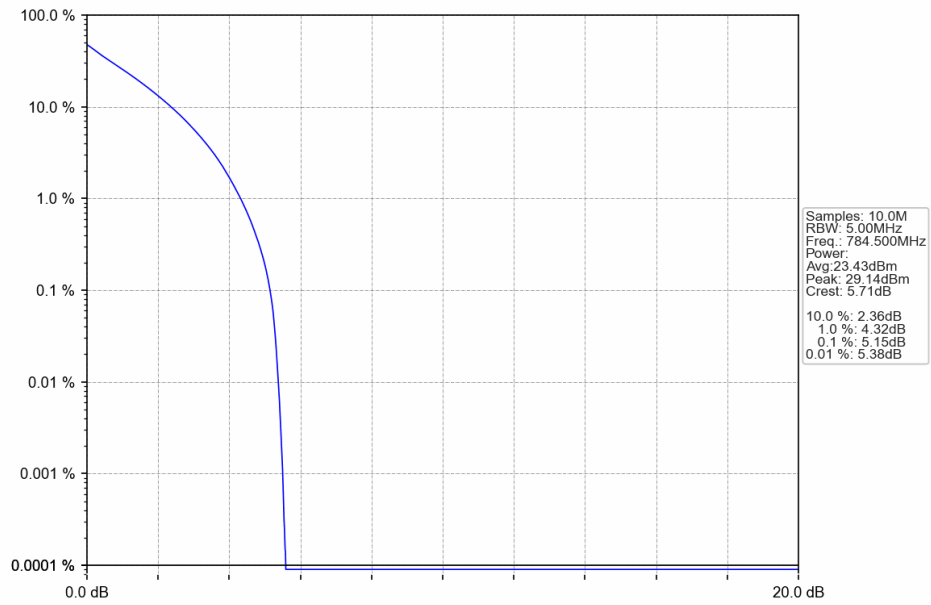
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.20	<=13	Pass
16QAM	782	50	0	5.93	<=13	Pass
64QAM	782	50	0	5.93	<=13	Pass

4.2 Test Graph

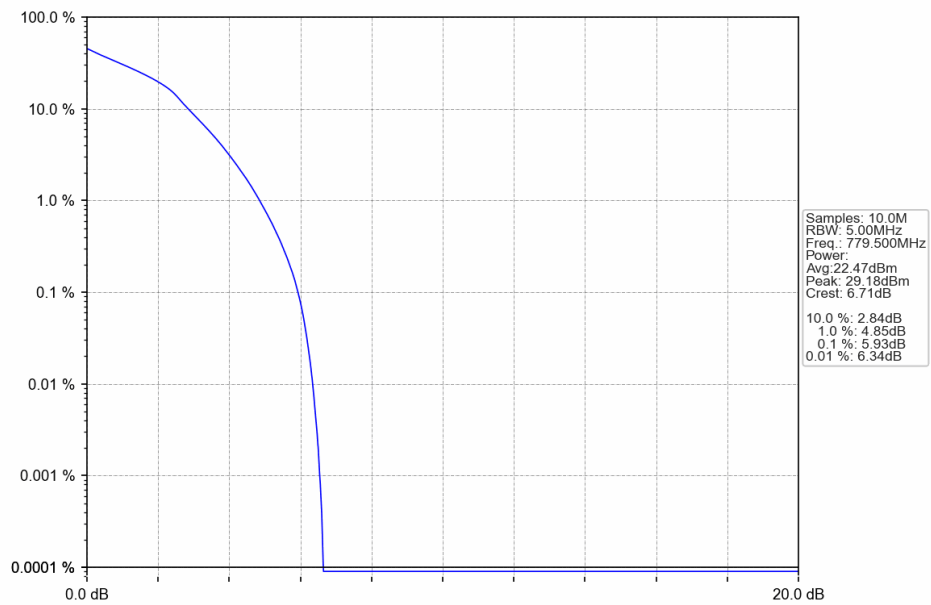
4.2.1 B13_5MHz



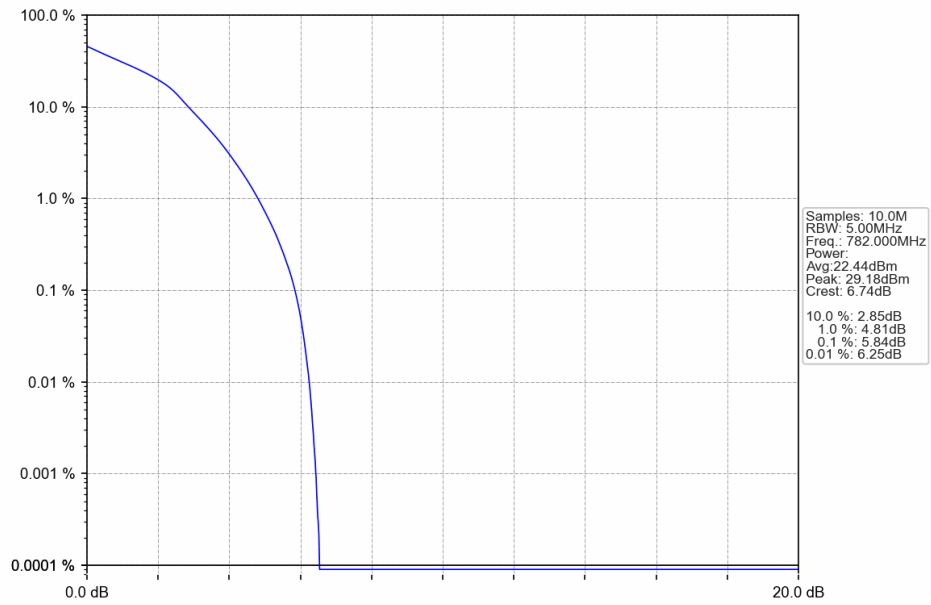
Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



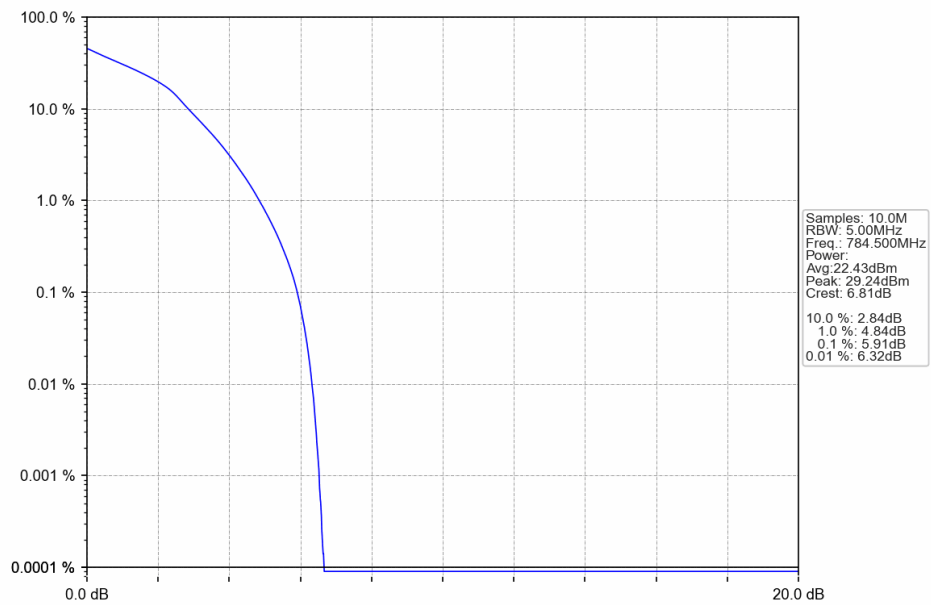
Band13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



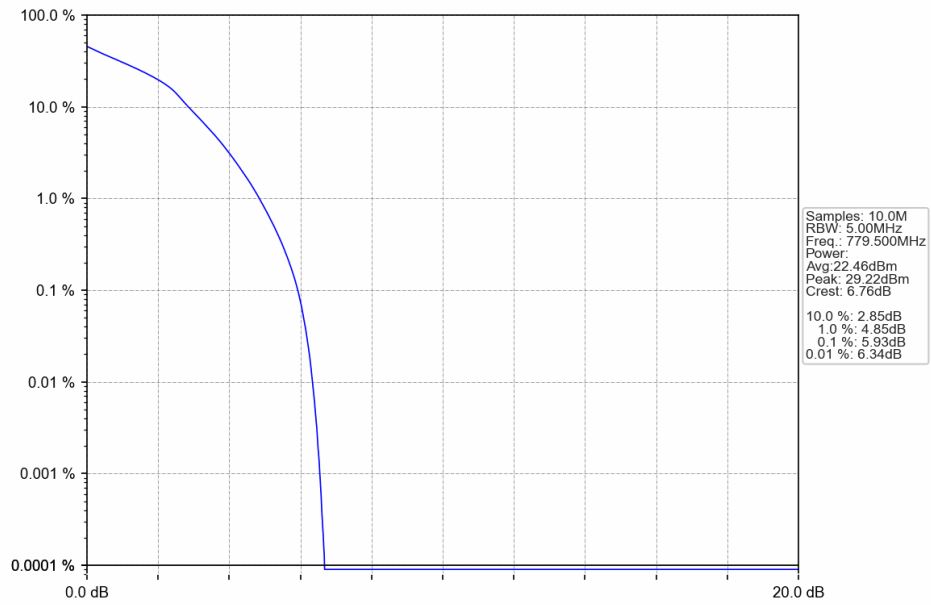
Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV



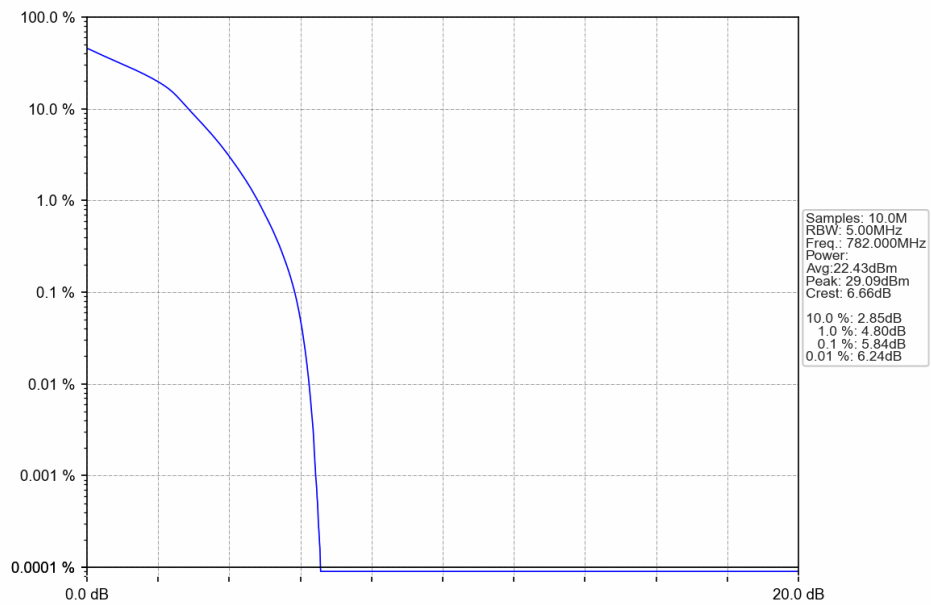
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

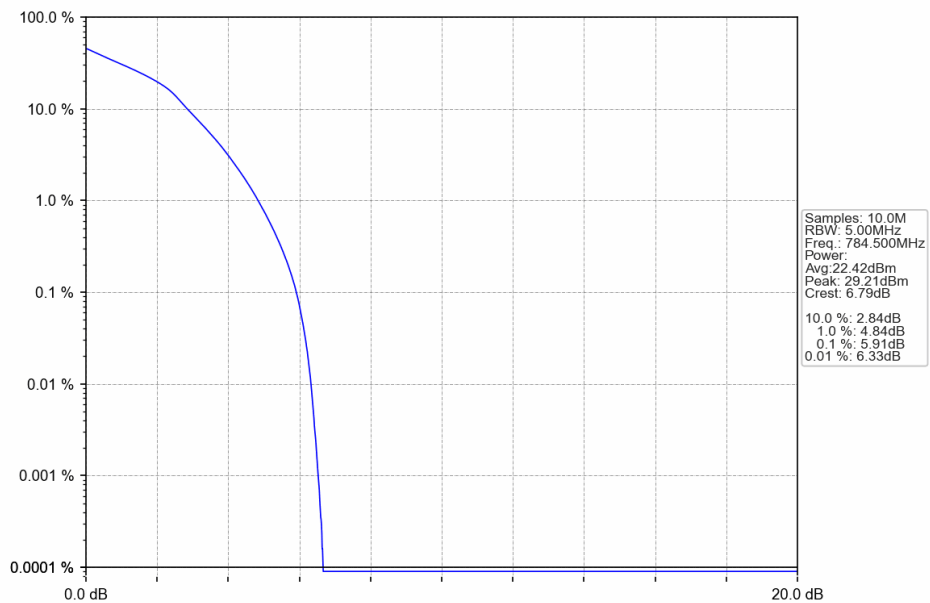


Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV

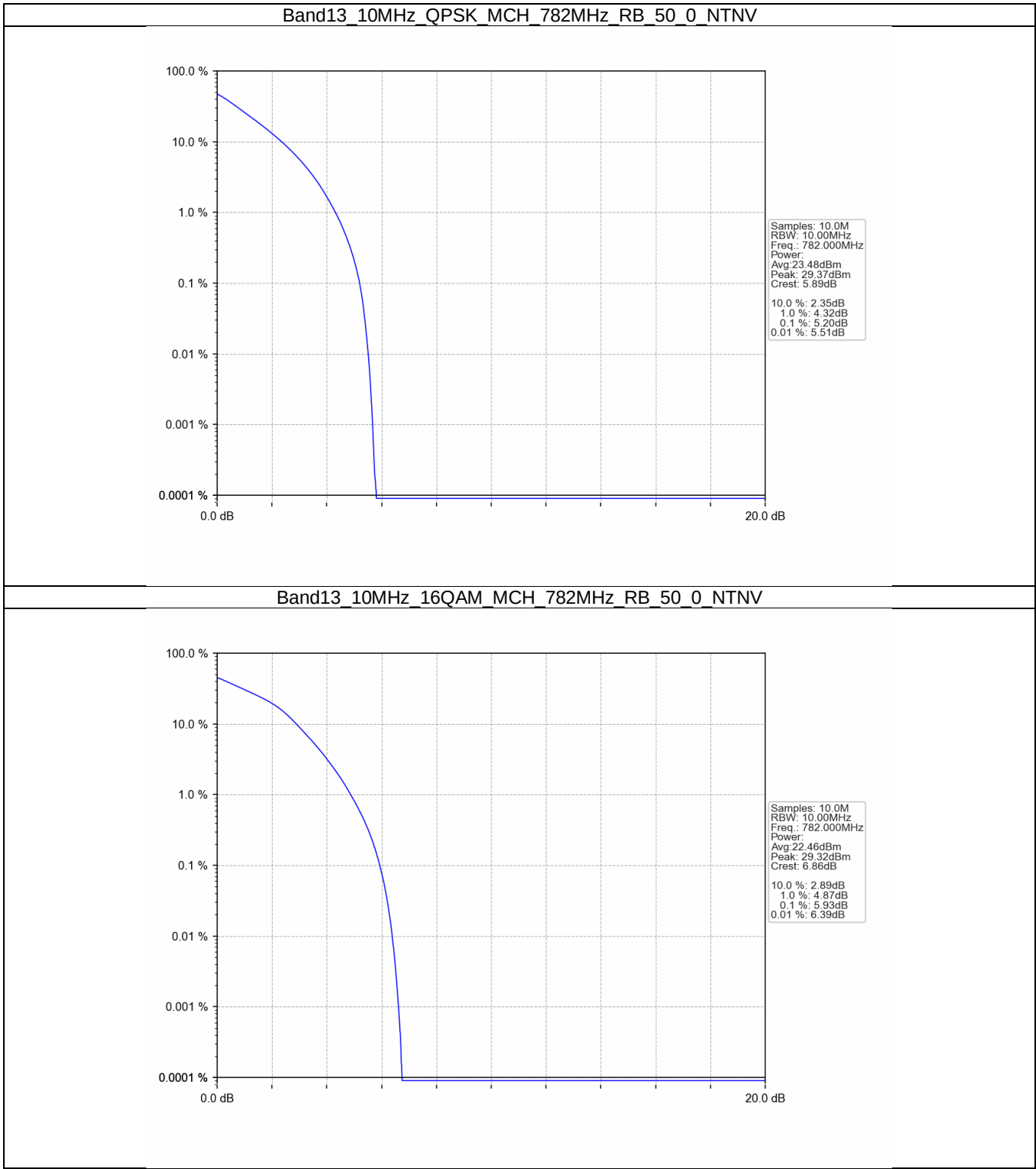


Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV

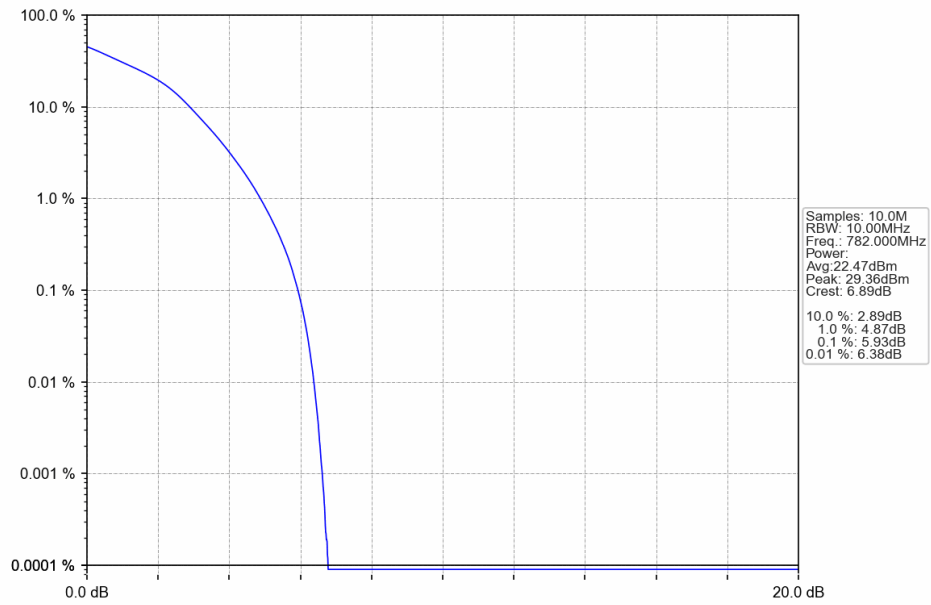




4.2.2 B13_10MHz



Band13 10MHz 64QAM MCH 782MHz RB 50 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B13_5MHz

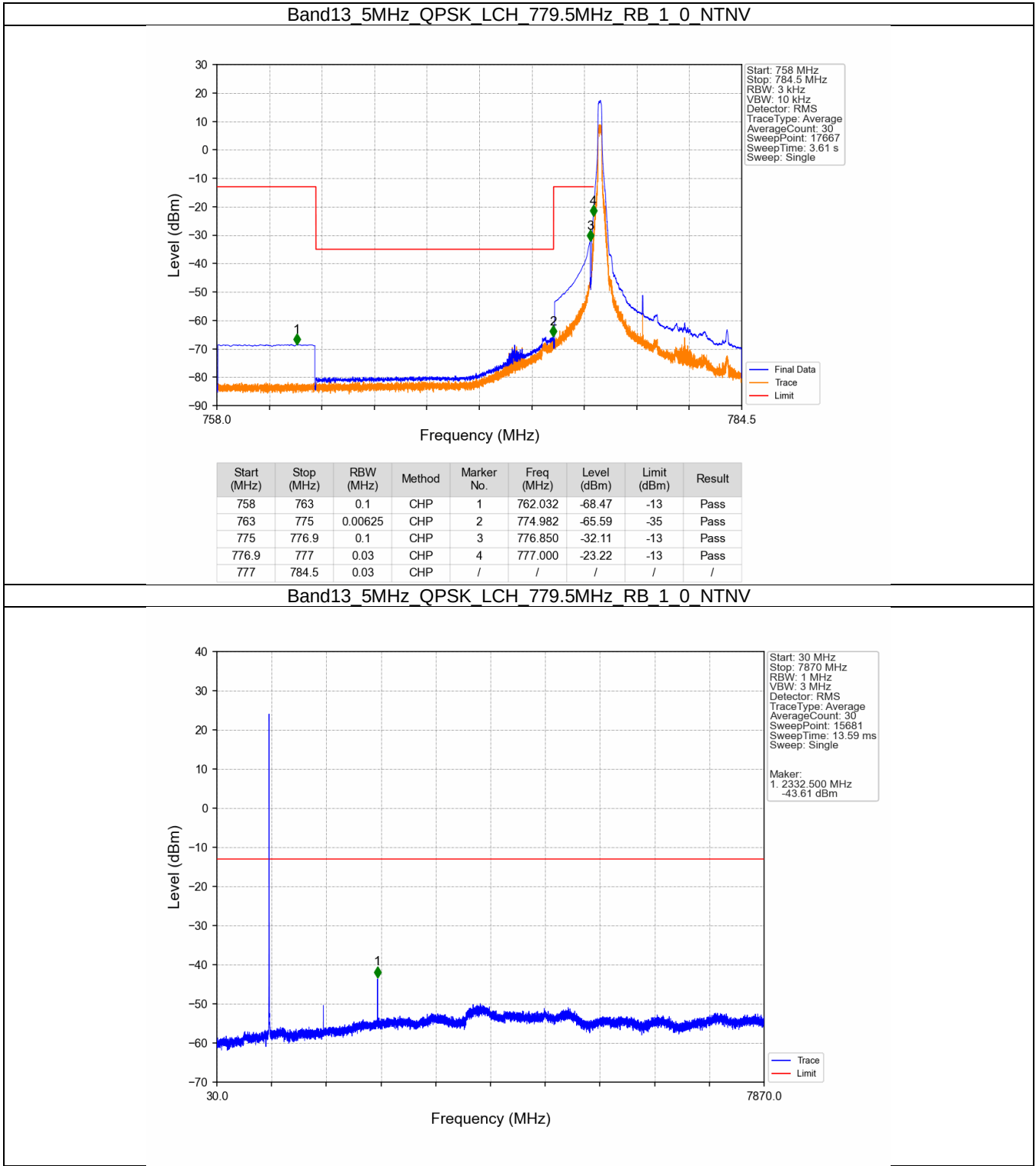
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test 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
64QAM	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

5.1.2 B13_10MHz

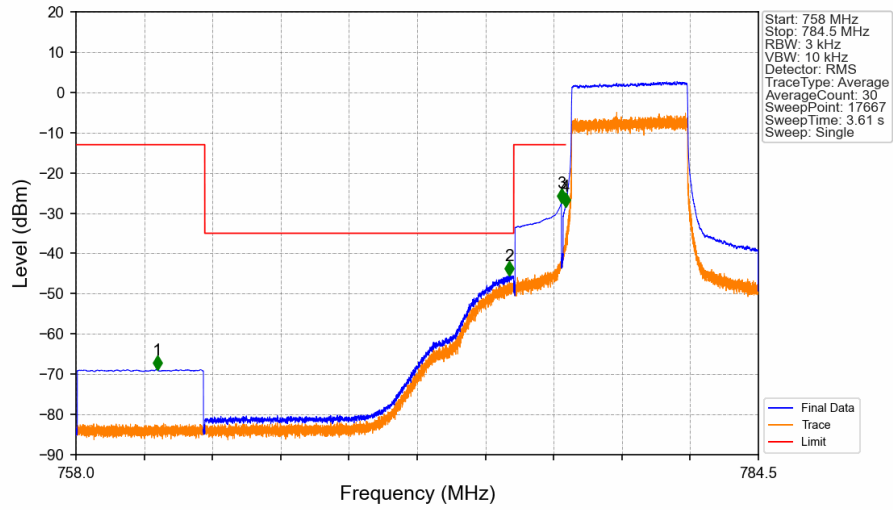
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	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

5.2 Test Graph

5.2.1 B13_5MHz

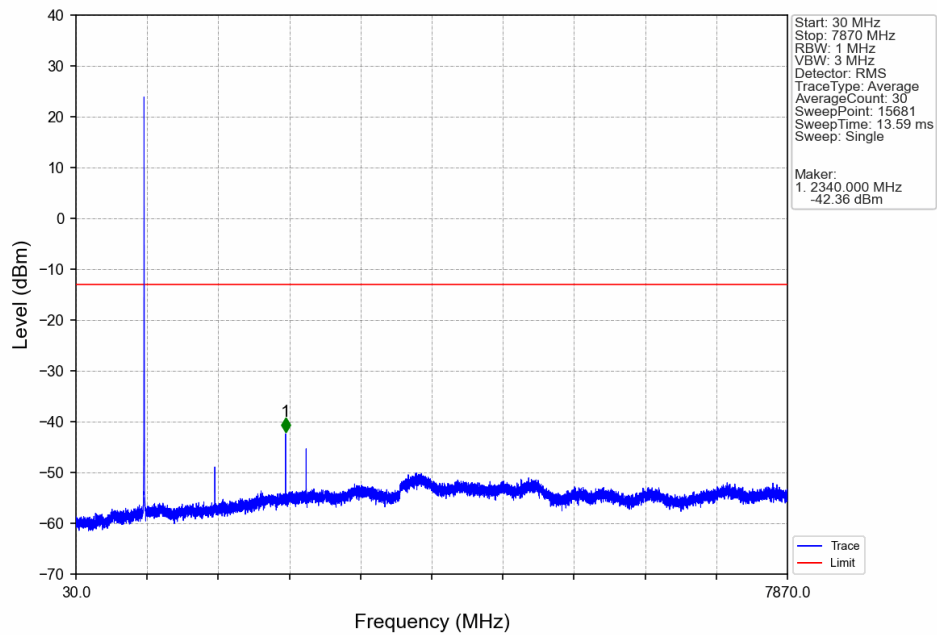


Band13 5MHz QPSK LCH 779.5MHz RB 25 0 NTN

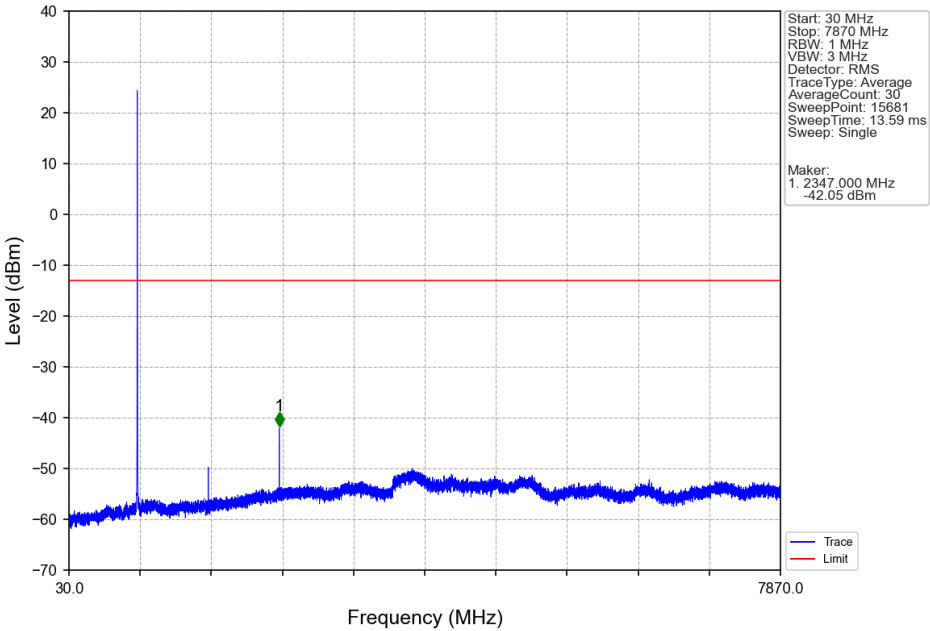


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.153	-68.84	-13	Pass
763	775	0.00625	CHP	2	774.813	-45.37	-35	Pass
775	776.9	0.1	CHP	3	776.850	-27.38	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.33	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

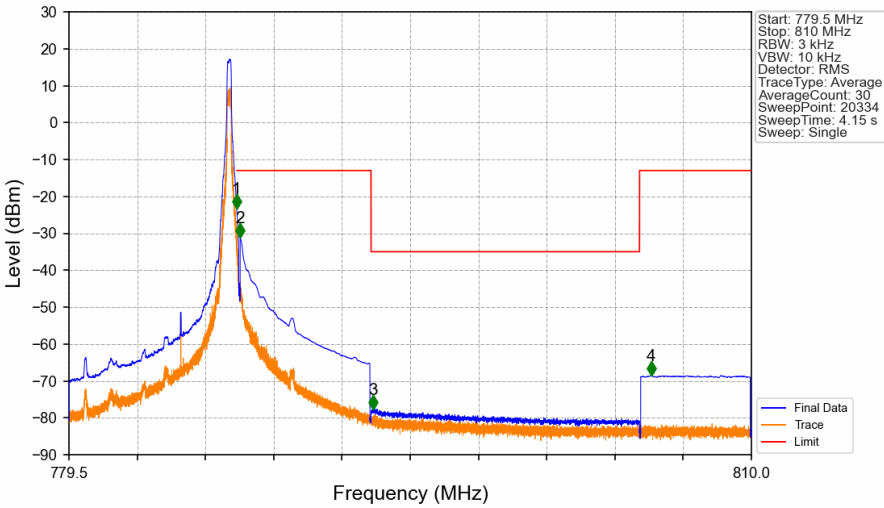
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTN



Band13 5MHz QPSK HCH 784.5MHz RB 1 0 NTNV

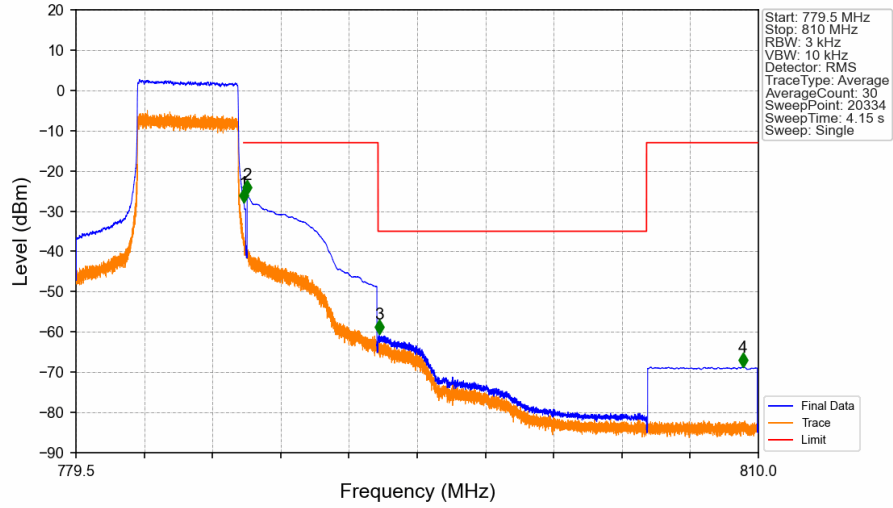


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



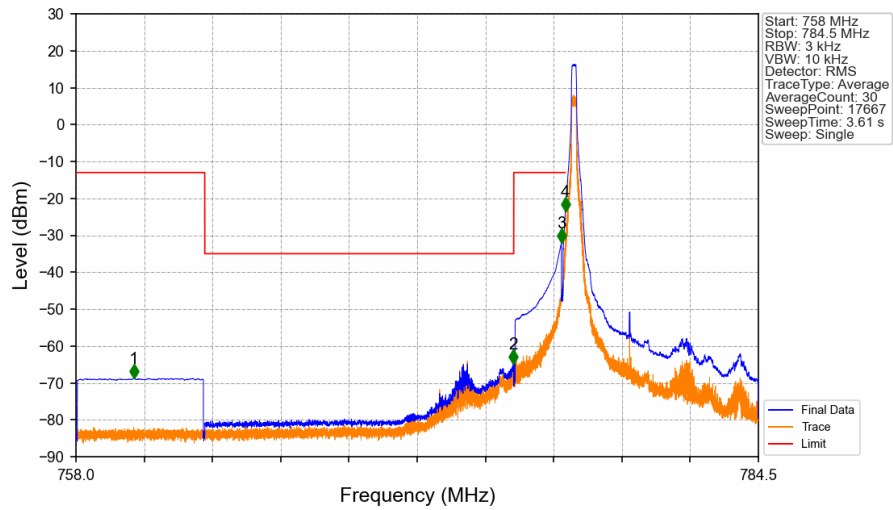
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-23.18	-13	Pass
787.1	793	0.1	CHP	2	787.150	-31.13	-13	Pass
793	805	0.00625	CHP	3	793.075	-77.63	-35	Pass
805	810	0.1	CHP	4	805.525	-68.57	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



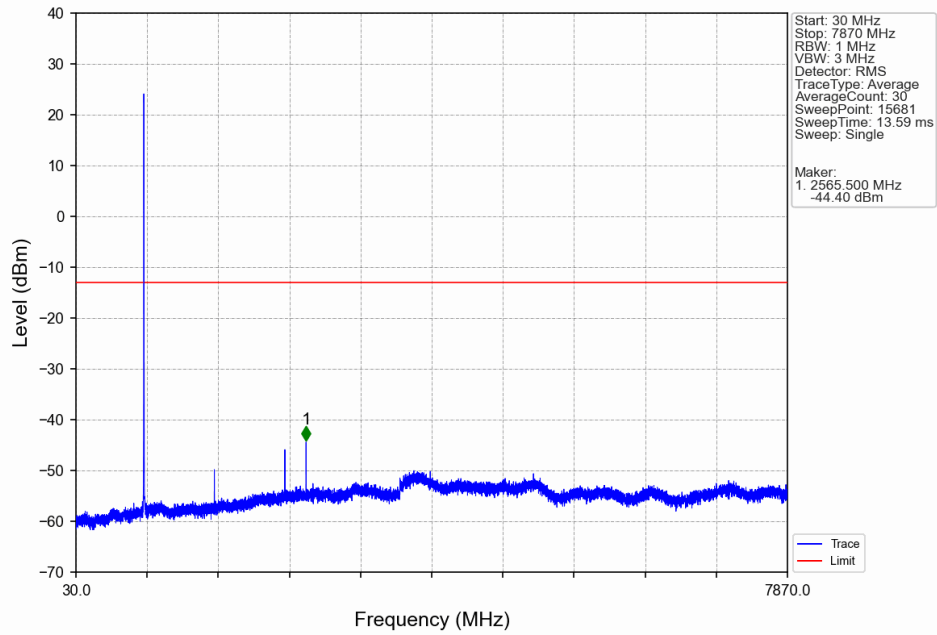
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-27.88	-13	Pass
787.1	793	0.1	CHP	2	787.150	-25.75	-13	Pass
793	805	0.00625	CHP	3	793.041	-60.50	-35	Pass
805	810	0.1	CHP	4	809.316	-68.74	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTV

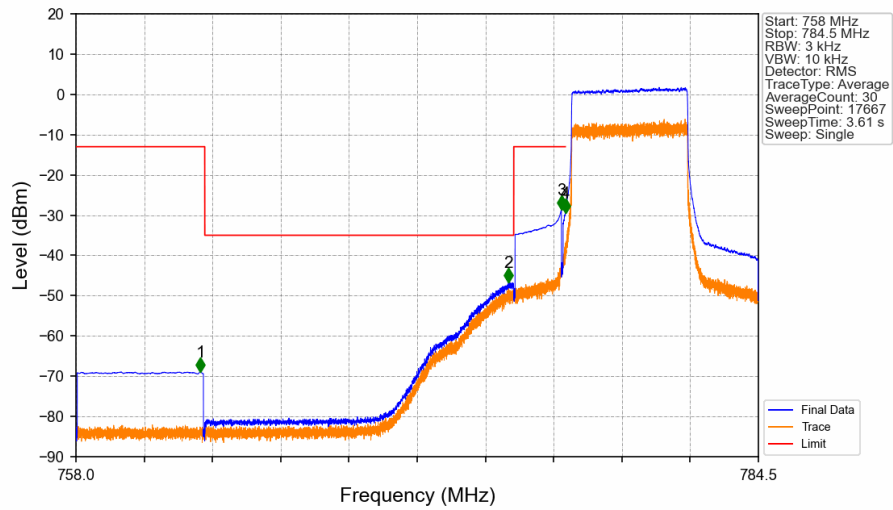


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.256	-68.67	-13	Pass
763	775	0.00625	CHP	2	774.981	-64.72	-35	Pass
775	776.9	0.1	CHP	3	776.850	-32.06	-13	Pass
776.9	777	0.03	CHP	4	777.000	-23.49	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

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

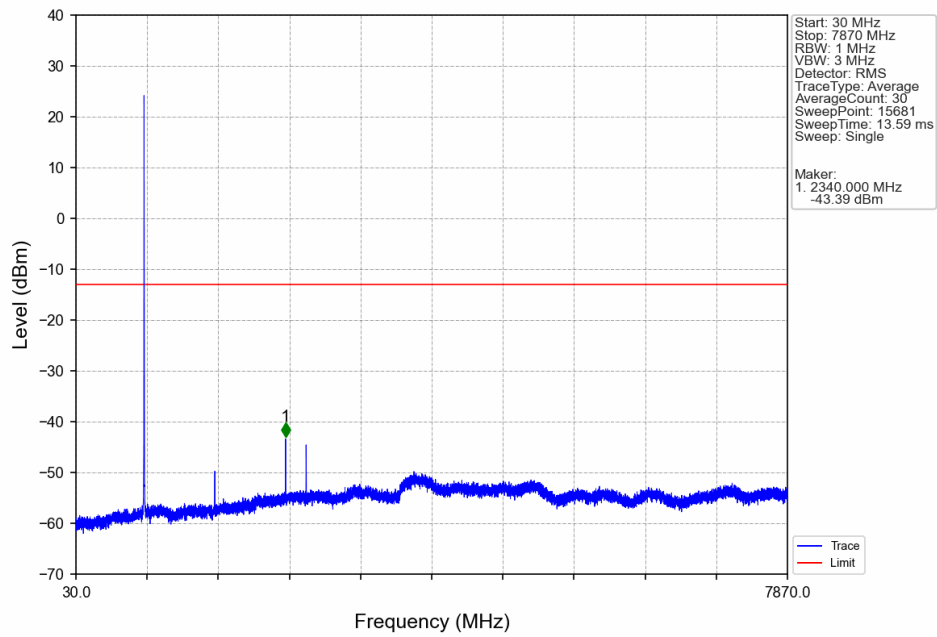


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTV

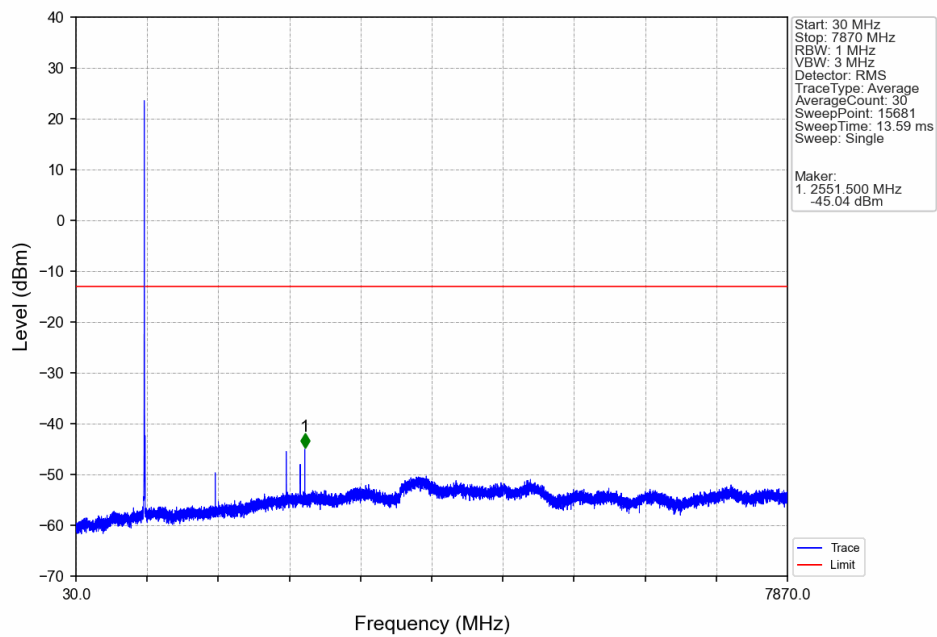


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.838	-68.90	-13	Pass
763	775	0.00625	CHP	2	774.793	-46.64	-35	Pass
775	776.9	0.1	CHP	3	776.850	-28.64	-13	Pass
776.9	777	0.03	CHP	4	777.000	-29.48	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

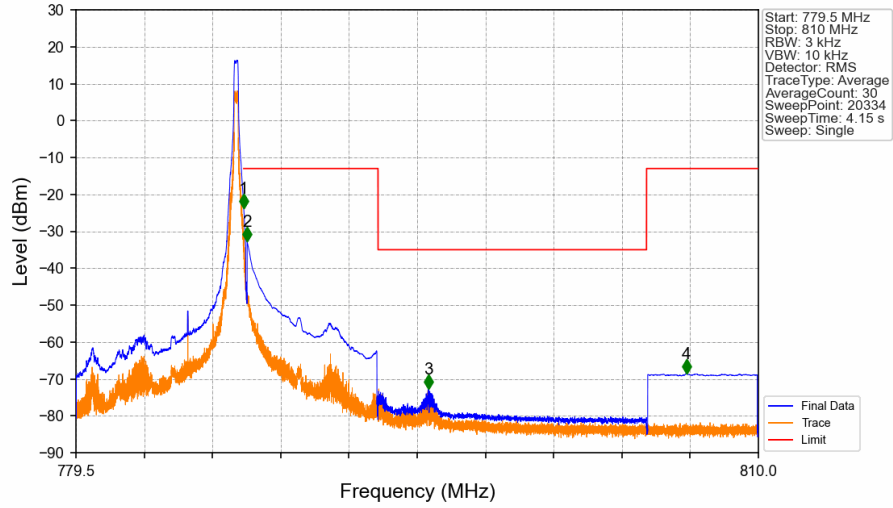
Band13 5MHz 16QAM MCH 782MHz RB 1 0 NTN



Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTN

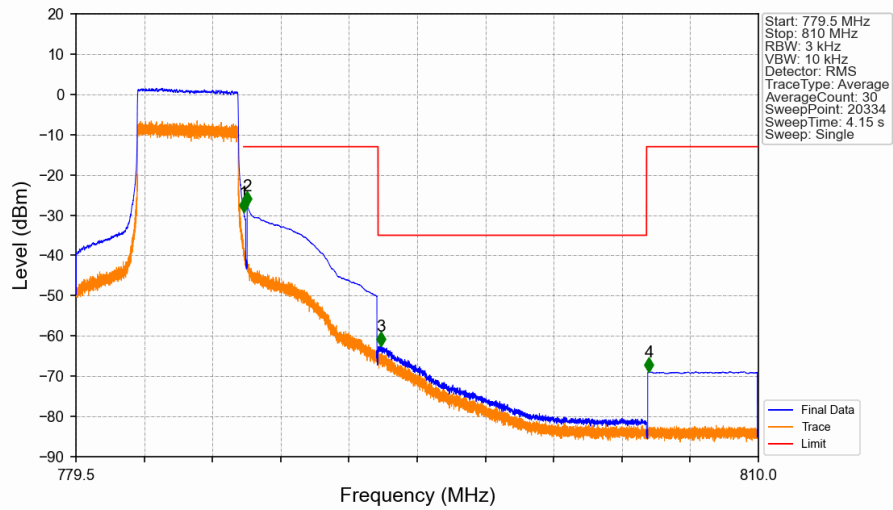


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTNV



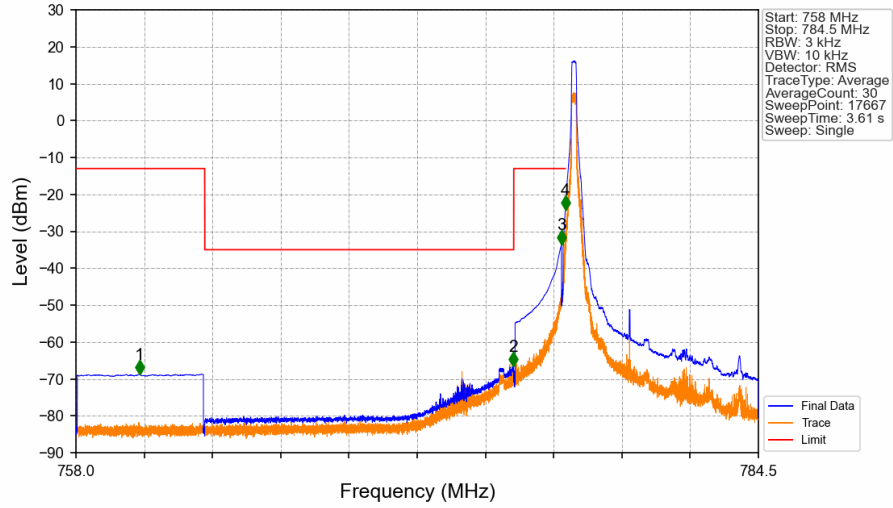
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-23.77	-13	Pass
787.1	793	0.1	CHP	2	787.150	-32.68	-13	Pass
793	805	0.00625	CHP	3	795.253	-72.74	-35	Pass
805	810	0.1	CHP	4	806.793	-68.61	-13	Pass

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



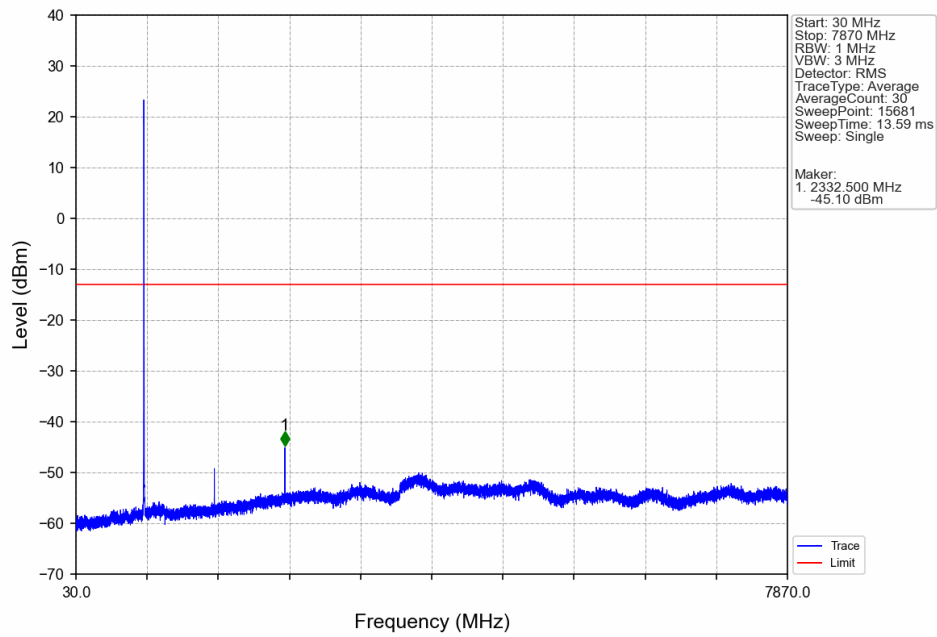
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-29.32	-13	Pass
787.1	793	0.1	CHP	2	787.150	-27.57	-13	Pass
793	805	0.00625	CHP	3	793.129	-62.50	-35	Pass
805	810	0.1	CHP	4	805.114	-68.87	-13	Pass

Band13 5MHz 64QAM LCH 779.5MHz RB 1 0 NTV

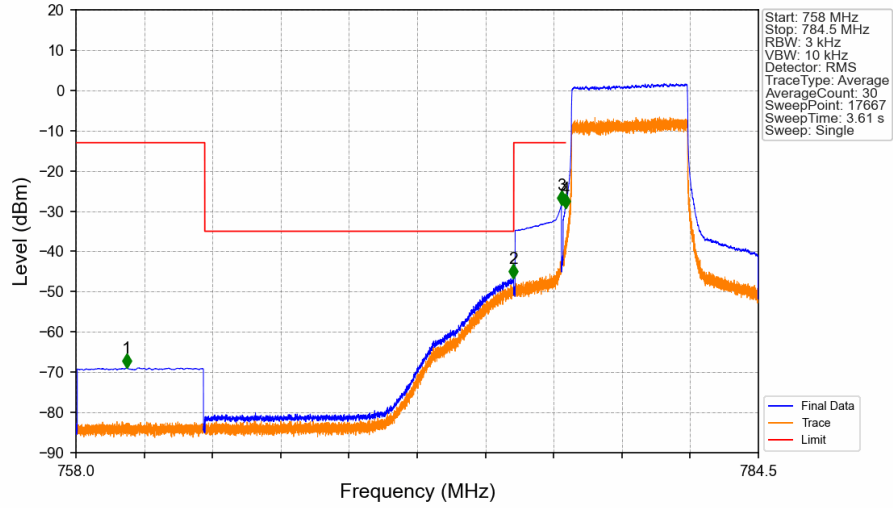


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.460	-68.70	-13	Pass
763	775	0.00625	CHP	2	774.990	-66.60	-35	Pass
775	776.9	0.1	CHP	3	776.850	-33.49	-13	Pass
776.9	777	0.03	CHP	4	777.000	-24.08	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTV

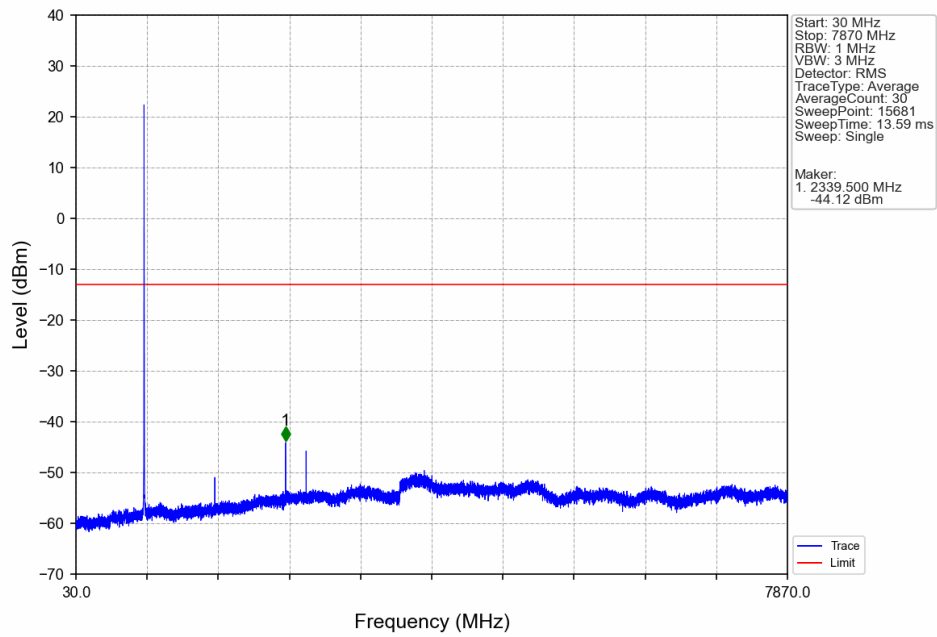


Band13 5MHz 64QAM LCH 779.5MHz RB 25 0 NTNV

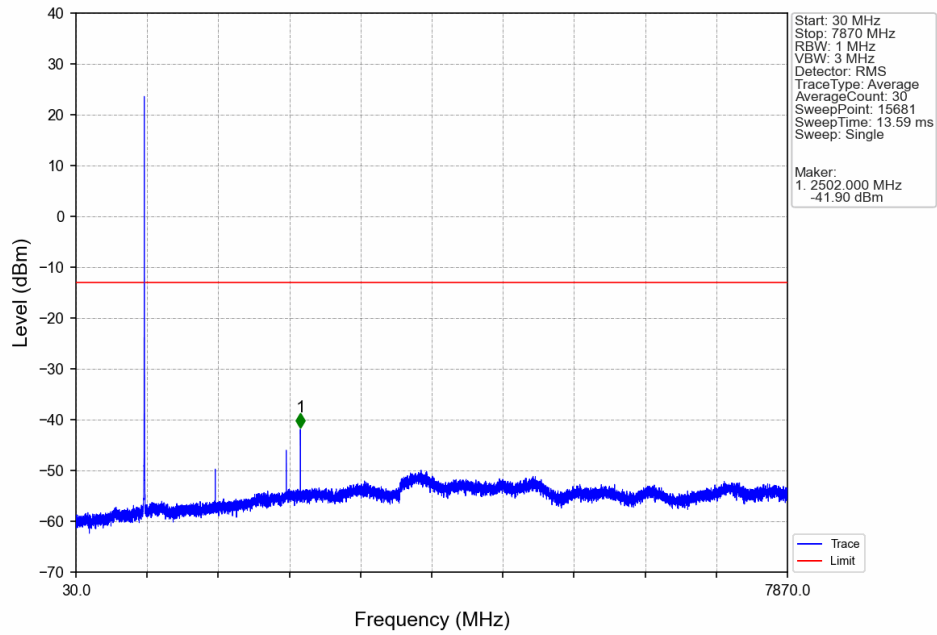


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.959	-68.93	-13	Pass
763	775	0.00625	CHP	2	774.991	-46.72	-35	Pass
775	776.9	0.1	CHP	3	776.850	-28.42	-13	Pass
776.9	777	0.03	CHP	4	777.000	-29.15	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

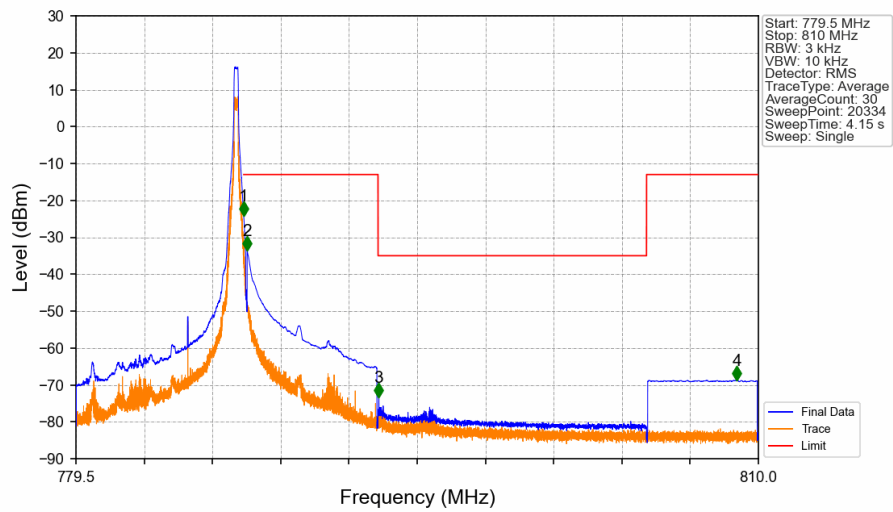
Band13 5MHz 64QAM MCH 782MHz RB 1 0 NTNV



Band13 5MHz 64QAM HCH 784.5MHz RB 1 0 NTNV

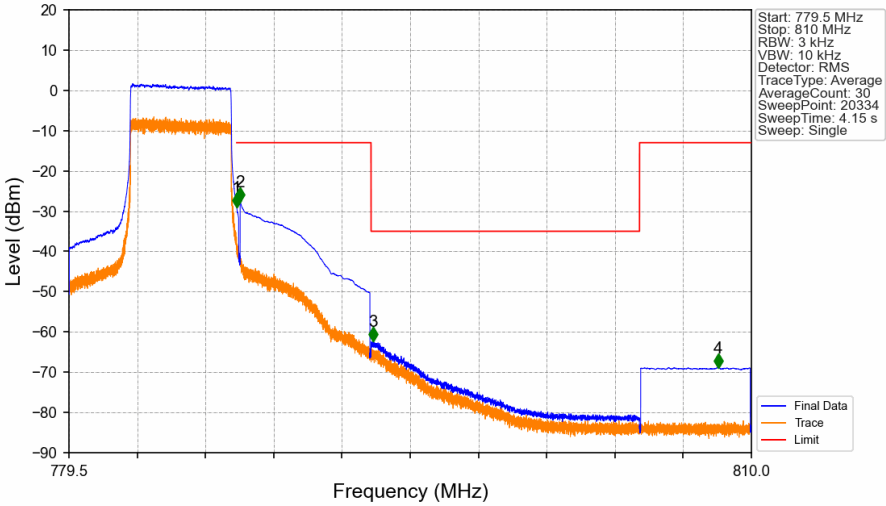


Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_24_NTNV



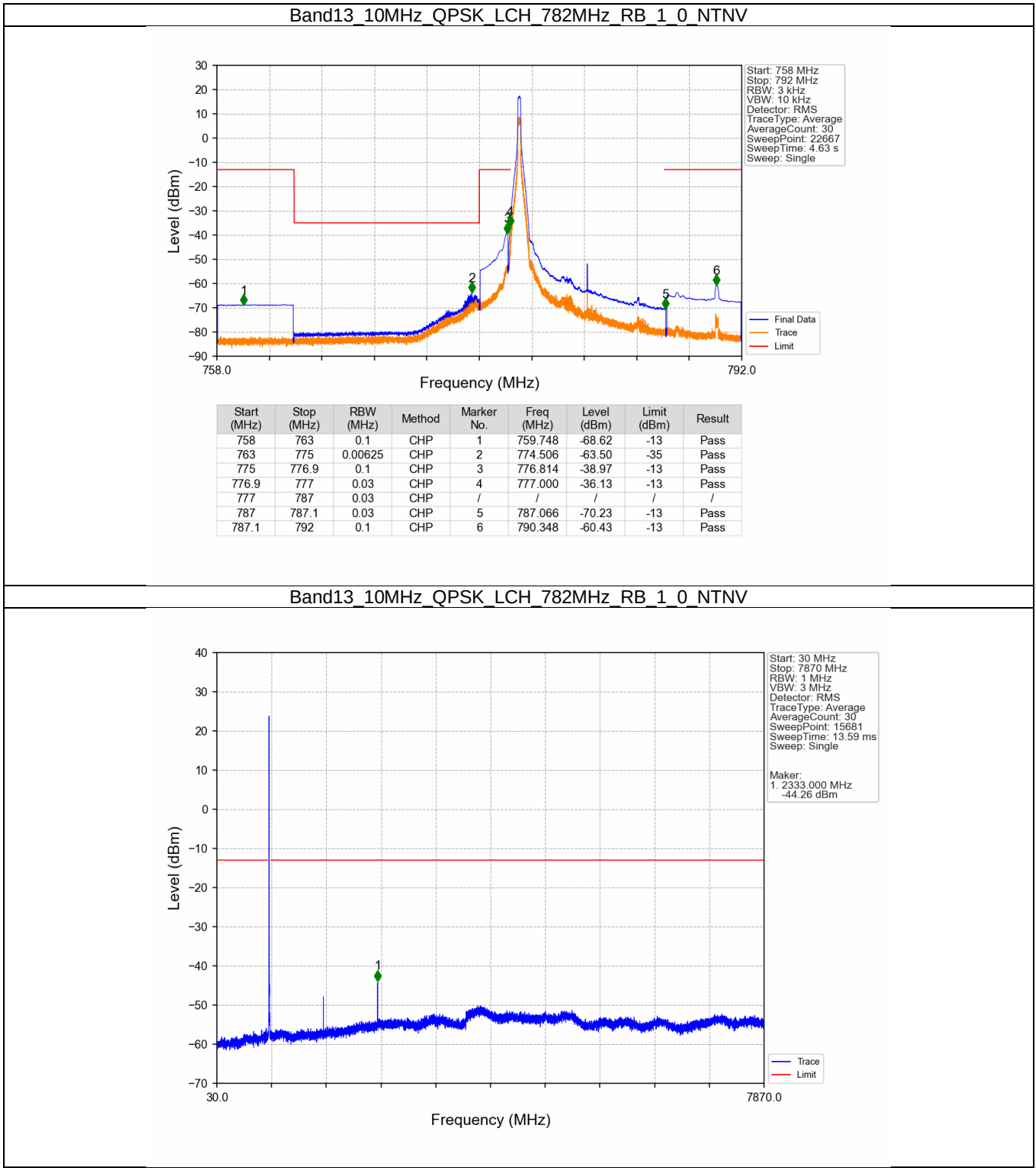
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-24.18	-13	Pass
787.1	793	0.1	CHP	2	787.150	-33.46	-13	Pass
793	805	0.00625	CHP	3	793.035	-73.33	-35	Pass
805	810	0.1	CHP	4	809.040	-68.73	-13	Pass

Band13 5MHz 64QAM HCH 784.5MHz RB 25 0 NTNV

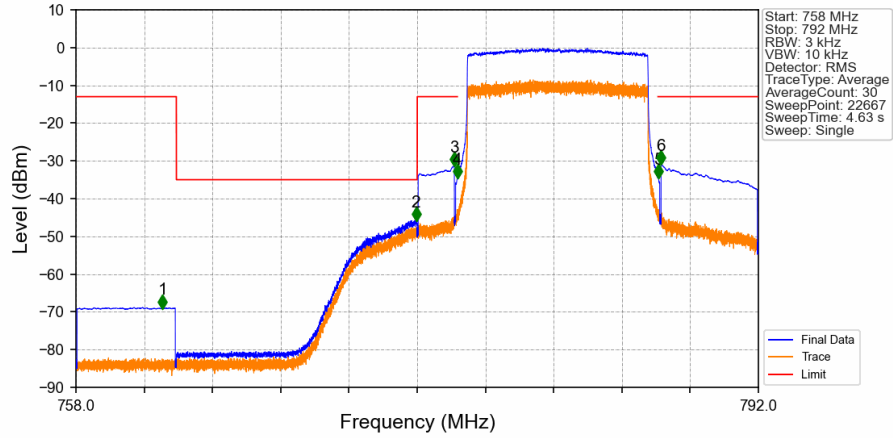


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-29.03	-13	Pass
787.1	793	0.1	CHP	2	787.150	-27.57	-13	Pass
793	805	0.00625	CHP	3	793.084	-62.35	-35	Pass
805	810	0.1	CHP	4	808.506	-68.84	-13	Pass

5.2.2 B13_10MHz

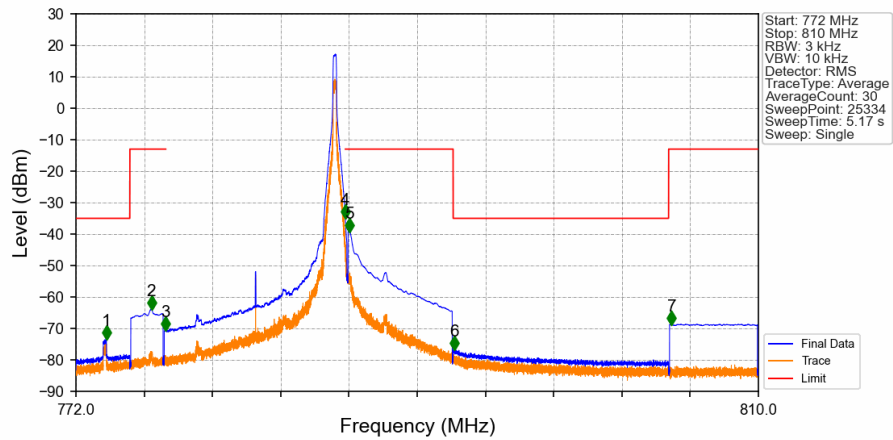


Band13 10MHz QPSK LCH 782MHz RB 50 0 NTN



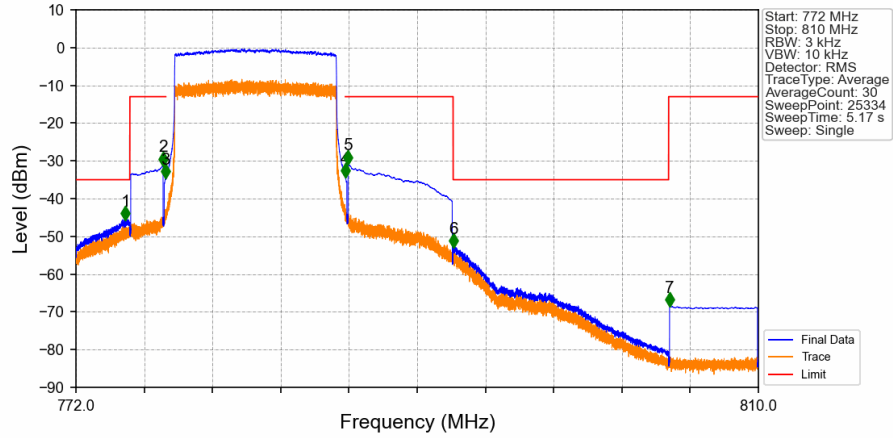
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.305	-68.84	-13	Pass
763	775	0.00625	CHP	2	774.940	-45.60	-35	Pass
775	776.9	0.1	CHP	3	776.850	-31.08	-13	Pass
776.9	777	0.03	CHP	4	777.000	-34.40	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.020	-34.32	-13	Pass
787.1	792	0.1	CHP	6	787.150	-30.70	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTN



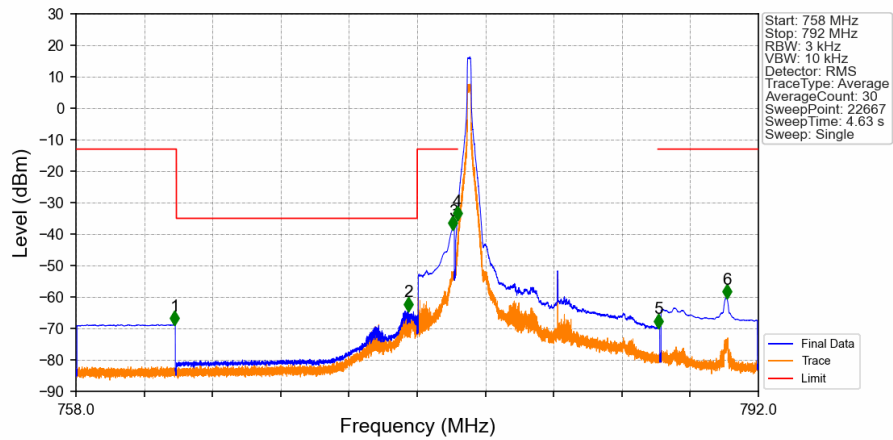
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.691	-73.28	-35	Pass
775	776.9	0.1	CHP	2	776.202	-63.80	-13	Pass
776.9	777	0.03	CHP	3	776.986	-70.33	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-34.77	-13	Pass
787.1	793	0.1	CHP	5	787.215	-39.07	-13	Pass
793	805	0.00625	CHP	6	793.068	-76.58	-35	Pass
805	810	0.1	CHP	7	805.164	-68.63	-13	Pass

Band13 10MHz QPSK HCH 782MHz RB 50 0 NTV



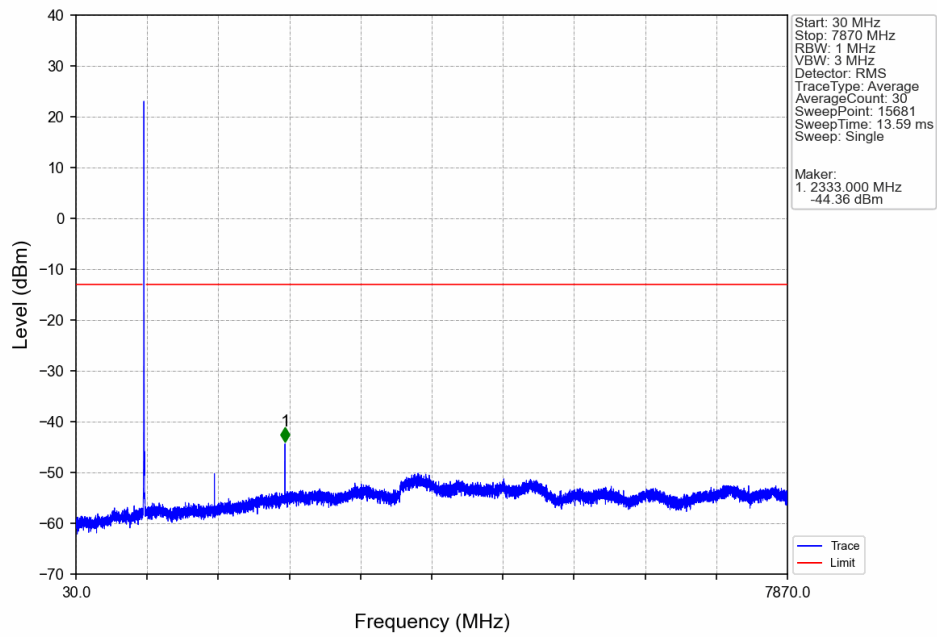
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.748	-45.40	-35	Pass
775	776.9	0.1	CHP	2	776.850	-31.05	-13	Pass
776.9	777	0.03	CHP	3	776.983	-34.35	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.002	-34.13	-13	Pass
787.1	793	0.1	CHP	5	787.150	-30.62	-13	Pass
793	805	0.00625	CHP	6	793.003	-52.67	-35	Pass
805	810	0.1	CHP	7	805.051	-68.39	-13	Pass

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

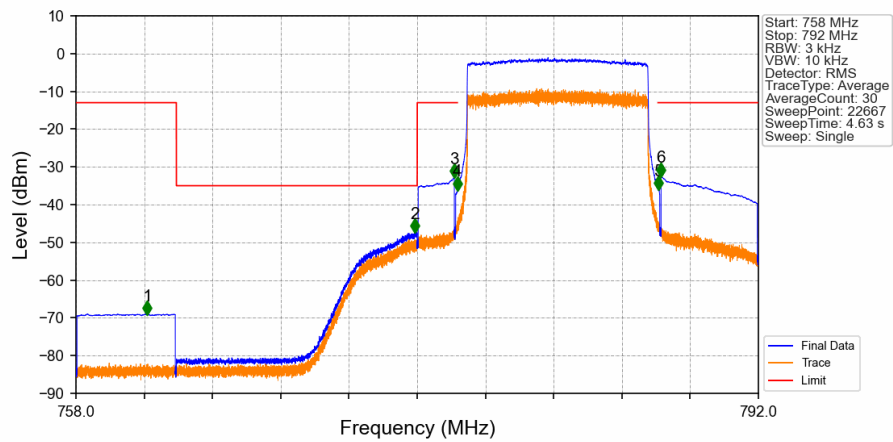


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.917	-68.65	-13	Pass
763	775	0.00625	CHP	2	774.548	-64.14	-35	Pass
775	776.9	0.1	CHP	3	776.788	-38.32	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.28	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.030	-69.51	-13	Pass
787.1	792	0.1	CHP	6	790.425	-60.21	-13	Pass

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

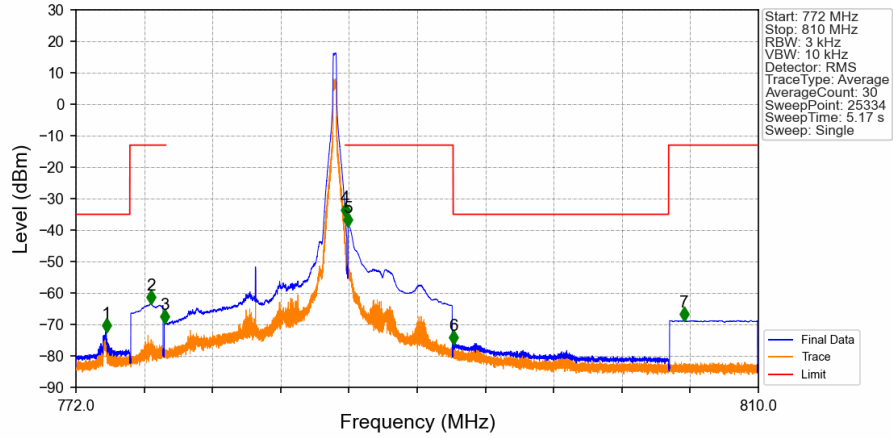


Band13_10MHz_16QAM_LCH_782MHz_RB_50_0_NTNV



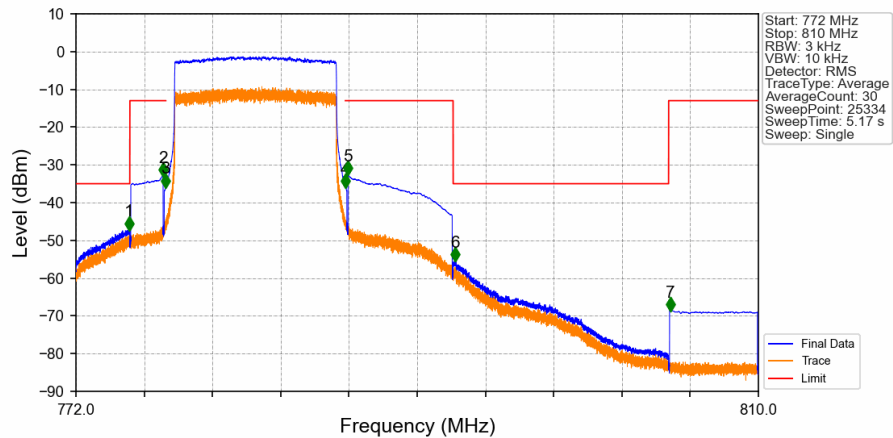
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.543	-68.92	-13	Pass
763	775	0.00625	CHP	2	774.896	-47.10	-35	Pass
775	776.9	0.1	CHP	3	776.848	-32.61	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.97	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.027	-35.84	-13	Pass
787.1	792	0.1	CHP	6	787.150	-32.29	-13	Pass

Band13 10MHz 16QAM HCH 782MHz RB 1 49 NTV



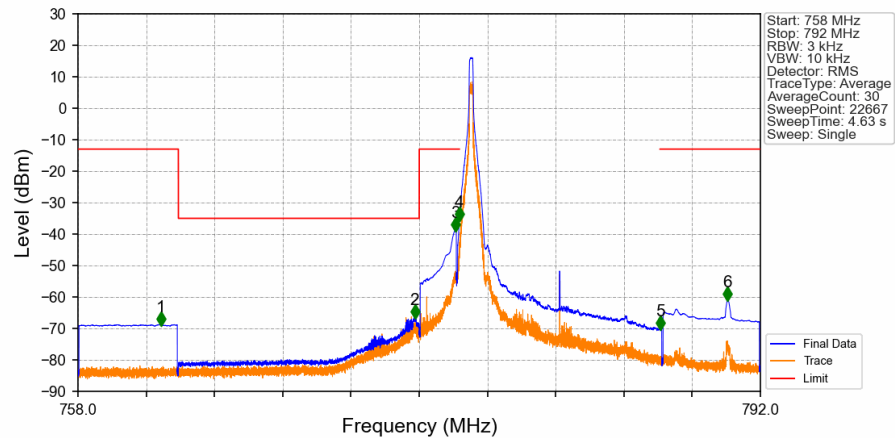
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.685	-72.11	-35	Pass
775	776.9	0.1	CHP	2	776.164	-63.23	-13	Pass
776.9	777	0.03	CHP	3	776.920	-69.39	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-35.37	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.65	-13	Pass
793	805	0.00625	CHP	6	793.033	-75.98	-35	Pass
805	810	0.1	CHP	7	805.848	-68.63	-13	Pass

Band13 10MHz 16QAM HCH 782MHz RB 50 0 NTV



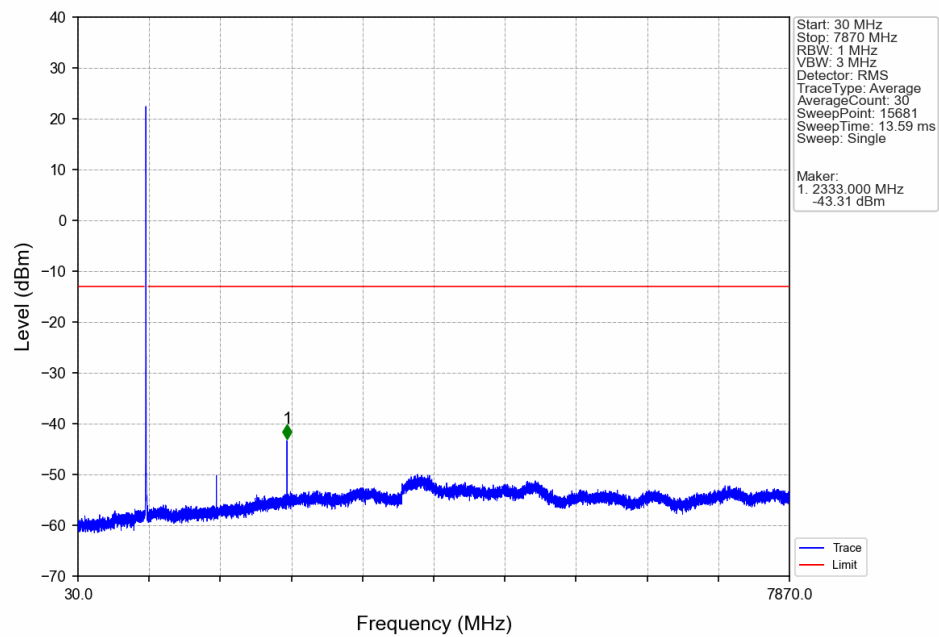
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.957	-47.03	-35	Pass
775	776.9	0.1	CHP	2	776.848	-32.80	-13	Pass
776.9	777	0.03	CHP	3	777.000	-35.75	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-35.78	-13	Pass
787.1	793	0.1	CHP	5	787.150	-32.38	-13	Pass
793	805	0.00625	CHP	6	793.107	-55.33	-35	Pass
805	810	0.1	CHP	7	805.095	-68.50	-13	Pass

Band13 10MHz 64QAM LCH 782MHz RB 1 0 NTNV

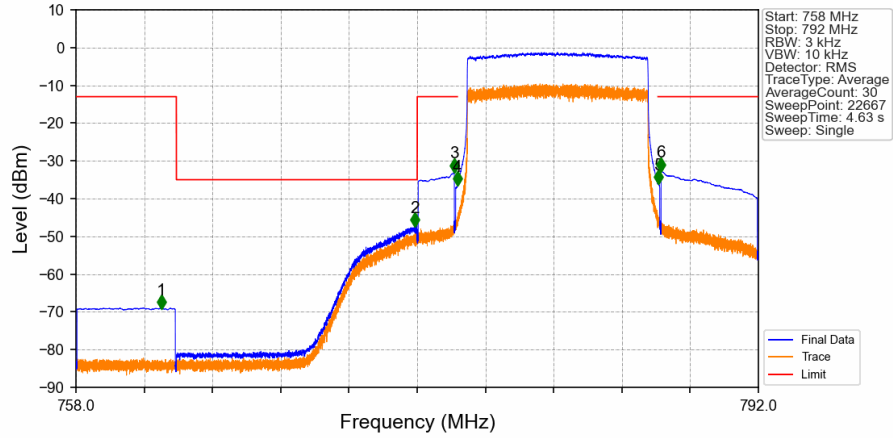


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.125	-68.77	-13	Pass
763	775	0.00625	CHP	2	774.782	-66.55	-35	Pass
775	776.9	0.1	CHP	3	776.796	-38.83	-13	Pass
776.9	777	0.03	CHP	4	777.000	-35.59	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.032	-70.13	-13	Pass
787.1	792	0.1	CHP	6	790.350	-61.00	-13	Pass

Band13 10MHz 64QAM LCH 782MHz RB 1 0 NTNV

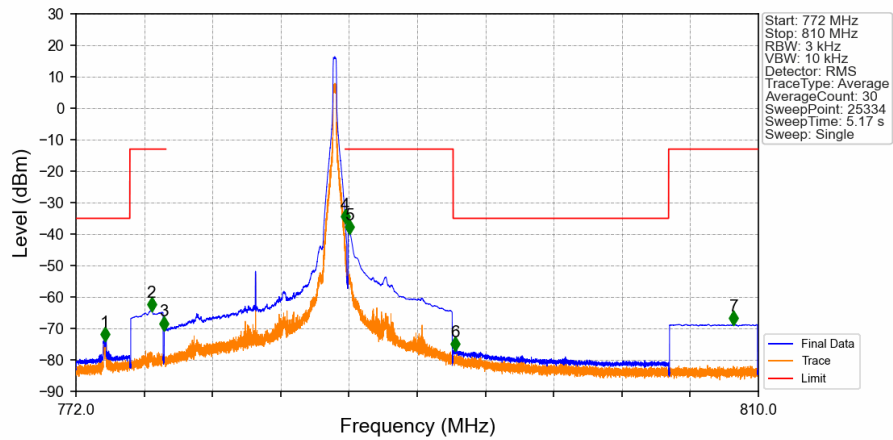


Band13 10MHz 64QAM LCH 782MHz RB 50 0 NTV

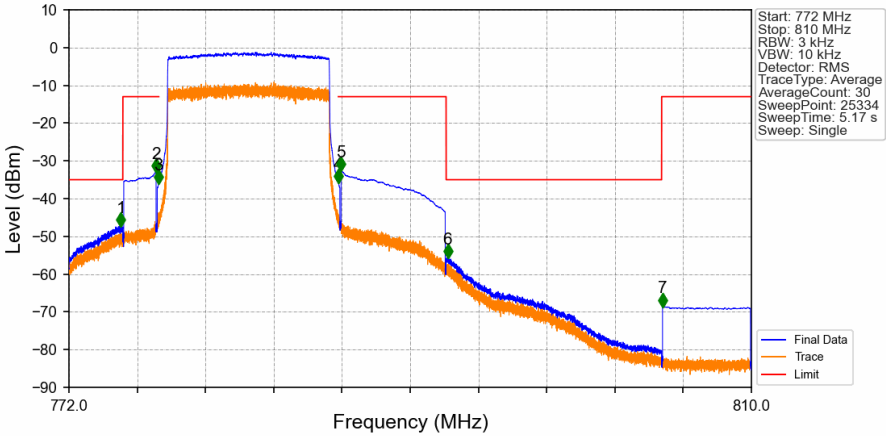


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.242	-68.95	-13	Pass
763	775	0.00625	CHP	2	774.896	-47.16	-35	Pass
775	776.9	0.1	CHP	3	776.850	-32.76	-13	Pass
776.9	777	0.03	CHP	4	777.000	-36.33	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.015	-35.91	-13	Pass
787.1	792	0.1	CHP	6	787.150	-32.50	-13	Pass

Band13 10MHz 64QAM HCH 782MHz RB 1 49 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.601	-73.66	-35	Pass
775	776.9	0.1	CHP	2	776.202	-64.18	-13	Pass
776.9	777	0.03	CHP	3	776.916	-70.30	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-36.27	-13	Pass
787.1	793	0.1	CHP	5	787.213	-39.54	-13	Pass
793	805	0.00625	CHP	6	793.092	-76.73	-35	Pass
805	810	0.1	CHP	7	808.627	-68.62	-13	Pass



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.879	-47.11	-35	Pass
775	776.9	0.1	CHP	2	776.847	-32.78	-13	Pass
776.9	777	0.03	CHP	3	776.988	-35.85	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-35.66	-13	Pass
787.1	793	0.1	CHP	5	787.150	-32.42	-13	Pass
793	805	0.00625	CHP	6	793.090	-55.48	-35	Pass
805	810	0.1	CHP	7	805.051	-68.40	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 13 ANT1-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1555.0	-57.47	-13	-44.47	-60.61	2.6	5.74	Horizontal	Pass
2332.5	-70.07	-13	-57.07	-72.53	2.96	5.42	Horizontal	Pass
3110.0	-67.57	-13	-54.57	-71.57	3.2	7.2	Horizontal	Pass
1555.0	-62.06	-13	-49.06	-65.2	2.6	5.74	Vertical	Pass
2332.5	-69.64	-13	-56.64	-72.1	2.96	5.42	Vertical	Pass
3110.0	-67.5	-13	-54.5	-71.5	3.2	7.2	Vertical	Pass

LTE Band 13 ANT1-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1554.5	-58.87	-13	-45.87	-62.01	2.6	5.74	Horizontal	Pass
2331.75	-69.56	-13	-56.56	-72.02	2.96	5.42	Horizontal	Pass
3109.0	-67.47	-13	-54.47	-71.46	3.2	7.19	Horizontal	Pass
1554.5	-61.91	-13	-48.91	-65.05	2.6	5.74	Vertical	Pass
2331.75	-69.6	-13	-56.6	-72.06	2.96	5.42	Vertical	Pass
3109.0	-67.46	-13	-54.46	-71.45	3.2	7.19	Vertical	Pass

LTE Band 13 ANT1-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1559.5	-61.64	-40	-21.64	-64.77	2.6	5.73	Horizontal	Pass
2339.25	-69.87	-13	-56.87	-72.34	2.96	5.43	Horizontal	Pass
3119.0	-67.43	-13	-54.43	-71.44	3.21	7.22	Horizontal	Pass
1559.5	-67.22	-40	-27.22	-70.35	2.6	5.73	Vertical	Pass
2339.25	-70.44	-13	-57.44	-72.91	2.96	5.43	Vertical	Pass
3119.0	-67.57	-13	-54.57	-71.58	3.21	7.22	Vertical	Pass

LTE Band 13 ANT1-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1564.5	-61.03	-40	-21.03	-64.15	2.6	5.72	Horizontal	Pass
2346.75	-69.82	-13	-56.82	-72.3	2.97	5.45	Horizontal	Pass
3129.0	-67.86	-13	-54.86	-71.89	3.21	7.24	Horizontal	Pass
1564.5	-70.93	-40	-30.93	-74.05	2.6	5.72	Vertical	Pass
2346.75	-69.8	-13	-56.8	-72.28	2.97	5.45	Vertical	Pass
3129.0	-67.45	-13	-54.45	-71.48	3.21	7.24	Vertical	Pass

CA_13A_66A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-66.96	-13	-53.96	-71.58	3.36	7.98	Horizontal	Pass
5133.0	-63.04	-13	-50.04	-68.65	4.61	10.22	Horizontal	Pass
6844.0	-61.03	-13	-48.03	-67.06	4.9	10.93	Horizontal	Pass
3422.0	-66.17	-13	-53.17	-70.79	3.36	7.98	Vertical	Pass
5133.0	-63.17	-13	-50.17	-68.78	4.61	10.22	Vertical	Pass
6844.0	-61.07	-13	-48.07	-67.1	4.9	10.93	Vertical	Pass

CA_13A_66A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.63	-13	-54.63	-72.34	3.39	8.1	Horizontal	Pass
5208.0	-63.0	-13	-50.0	-68.63	4.64	10.27	Horizontal	Pass
6944.0	-61.32	-13	-48.32	-67.47	4.91	11.06	Horizontal	Pass
3472.0	-67.45	-13	-54.45	-72.16	3.39	8.1	Vertical	Pass
5208.0	-62.88	-13	-49.88	-68.51	4.64	10.27	Vertical	Pass
6944.0	-61.4	-13	-48.4	-67.55	4.91	11.06	Vertical	Pass

CA_13A_66A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3522.0	-67.0	-13	-54.0	-71.78	3.42	8.2	Horizontal	Pass
5283.0	-62.48	-13	-49.48	-68.14	4.66	10.32	Horizontal	Pass
7044.0	-61.1	-13	-48.1	-67.36	4.92	11.18	Horizontal	Pass
3522.0	-67.22	-13	-54.22	-72.0	3.42	8.2	Vertical	Pass
5283.0	-62.95	-13	-49.95	-68.61	4.66	10.32	Vertical	Pass
7044.0	-61.11	-13	-48.11	-67.37	4.92	11.18	Vertical	Pass