

Appendix RF 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 / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	779.5	1	0	23.66	1.90	23.41	<=34.77	Pass
			13	23.68	1.90	23.43	<=34.77	Pass
			24	23.70	1.90	23.45	<=34.77	Pass
		12	0	22.58	1.90	22.33	<=34.77	Pass
			6	22.58	1.90	22.33	<=34.77	Pass
			13	22.58	1.90	22.33	<=34.77	Pass
		25	0	22.60	1.90	22.35	<=34.77	Pass
	782	1	0	23.61	1.90	23.36	<=34.77	Pass
			13	23.57	1.90	23.32	<=34.77	Pass
			24	23.67	1.90	23.42	<=34.77	Pass
		12	0	22.65	1.90	22.40	<=34.77	Pass
			6	22.60	1.90	22.35	<=34.77	Pass
			13	22.55	1.90	22.30	<=34.77	Pass
		25	0	22.61	1.90	22.36	<=34.77	Pass
	784.5	1	0	23.76	1.90	23.51	<=34.77	Pass
			13	23.82	1.90	23.57	<=34.77	Pass
			24	23.79	1.90	23.54	<=34.77	Pass
		12	0	22.62	1.90	22.37	<=34.77	Pass
			6	22.60	1.90	22.35	<=34.77	Pass
			13	22.62	1.90	22.37	<=34.77	Pass
		25	0	22.62	1.90	22.37	<=34.77	Pass
16QAM	779.5	1	0	22.73	1.90	22.48	<=34.77	Pass
			13	22.74	1.90	22.49	<=34.77	Pass
			24	22.74	1.90	22.49	<=34.77	Pass
		12	0	21.56	1.90	21.31	<=34.77	Pass
			6	21.57	1.90	21.32	<=34.77	Pass
			13	21.55	1.90	21.30	<=34.77	Pass
		25	0	21.62	1.90	21.37	<=34.77	Pass
	782	1	0	22.86	1.90	22.61	<=34.77	Pass
			13	22.84	1.90	22.59	<=34.77	Pass
			24	22.90	1.90	22.65	<=34.77	Pass
		12	0	21.66	1.90	21.41	<=34.77	Pass
			6	21.62	1.90	21.37	<=34.77	Pass
			13	21.59	1.90	21.34	<=34.77	Pass
		25	0	21.61	1.90	21.36	<=34.77	Pass
	784.5	1	0	22.47	1.90	22.22	<=34.77	Pass
			13	22.46	1.90	22.21	<=34.77	Pass
			24	22.48	1.90	22.23	<=34.77	Pass
		12	0	21.62	1.90	21.37	<=34.77	Pass
			6	21.61	1.90	21.36	<=34.77	Pass
			13	21.61	1.90	21.36	<=34.77	Pass
		25	0	21.67	1.90	21.42	<=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	23.56	1.90	23.31	<=34.77	Pass
			25	23.65	1.90	23.40	<=34.77	Pass
			49	23.60	1.90	23.35	<=34.77	Pass
		25	0	22.63	1.90	22.38	<=34.77	Pass
			13	22.66	1.90	22.41	<=34.77	Pass
			25	22.66	1.90	22.41	<=34.77	Pass
		50	0	22.69	1.90	22.44	<=34.77	Pass
16QAM	782	1	0	22.75	1.90	22.50	<=34.77	Pass
			25	22.83	1.90	22.58	<=34.77	Pass
			49	22.79	1.90	22.54	<=34.77	Pass
		12	0	22.63	1.90	22.38	<=34.77	Pass
			19	22.61	1.90	22.36	<=34.77	Pass
			38	22.66	1.90	22.41	<=34.77	Pass
		27	0	21.63	1.90	21.38	<=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	3.27	3.977	0.0051	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0016	-2.5 to 2.5	Pass
					4.43	1.688	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.134	-0.0053	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
	782	25	0	20	3.27	0.558	0.0007	-2.5 to 2.5	Pass
					3.85	0.672	0.0009	-2.5 to 2.5	Pass
					4.43	0.644	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.317	0.0030	-2.5 to 2.5	Pass
				-20	3.85	1.016	0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.345	0.0017	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-1.974	-0.0025	-2.5 to 2.5	Pass
					3.85	3.090	0.0039	-2.5 to 2.5	Pass



					4.43	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.403	0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.518	0.0032	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.601	0.0008	-2.5 to 2.5	Pass
16QAM	779.5	25	0		4.43	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.403	0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.518	0.0032	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.601	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				20	3.27	-1.602	-0.0021	-2.5 to 2.5	Pass
					3.85	0.343	0.0004	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0024	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-1.702	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.402	0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0067	-2.5 to 2.5	Pass
				50	3.85	1.631	0.0021	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-1.817	-0.0023	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	1.216	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.718	0.0035	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0040	-2.5 to 2.5	Pass
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	3.85	3.076	0.0039	-2.5 to 2.5	Pass
				10	3.85	2.432	0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.674	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.760	0.0022	-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	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	0.143	0.0002	-2.5 to 2.5	Pass
					4.43	-0.057	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.502	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.245	0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.687	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0017	-2.5 to 2.5	Pass



				50	3.85	-1.516	-0.0019	-2.5 to 2.5	Pass
16QAM	782	27	0	20	3.27	2.031	0.0026	-2.5 to 2.5	Pass
					3.85	0.186	0.0002	-2.5 to 2.5	Pass
					4.43	-1.202	-0.0015	-2.5 to 2.5	Pass
					-30	3.85	-0.143	-0.0002	-2.5 to 2.5
				-20	3.85	-1.373	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0025	-2.5 to 2.5	Pass
				0	3.85	10.958	0.0140	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.390	-0.0043	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0014	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

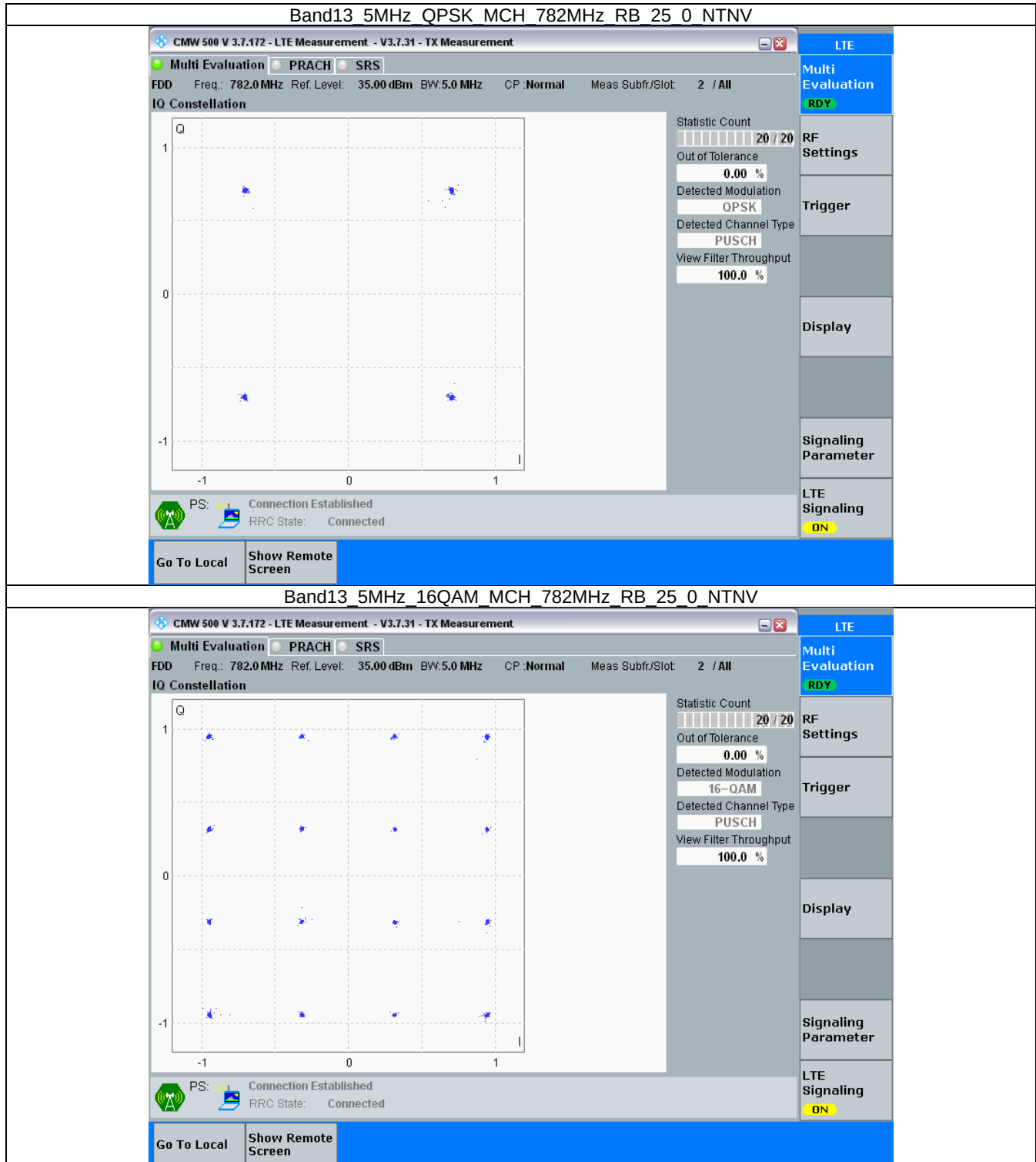
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

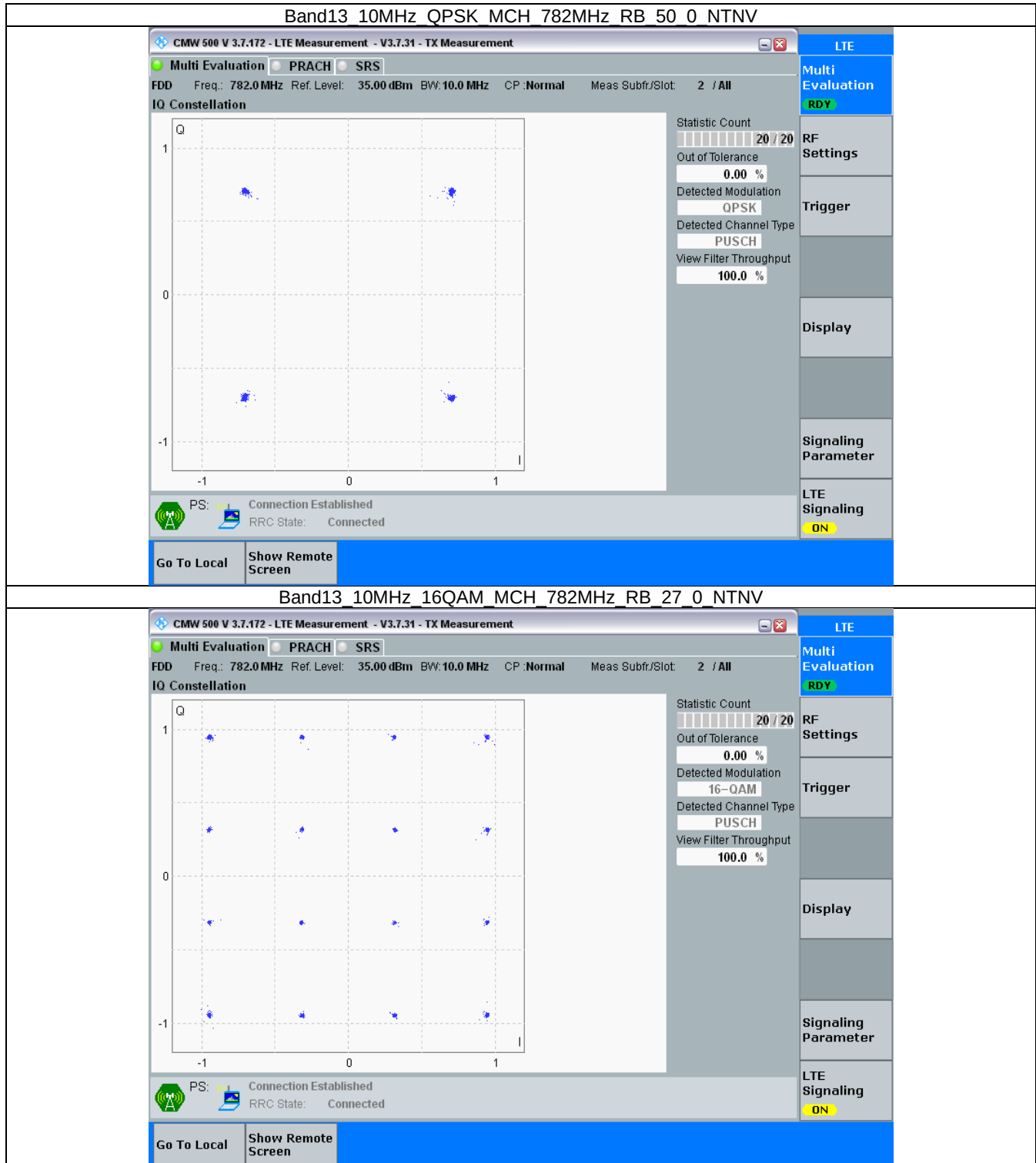
Band: 13 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	27	0	Refer To Test Graph		Pass

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	4.529	/	Pass
		782	25	0	4.537	/	Pass
		784.5	25	0	4.544	/	Pass
	16QAM	779.5	25	0	4.543	/	Pass
		782	25	0	4.558	/	Pass
		784.5	25	0	4.528	/	Pass
10	QPSK	782	50	0	9.067	/	Pass
	16QAM	782	27	0	5.102	/	Pass

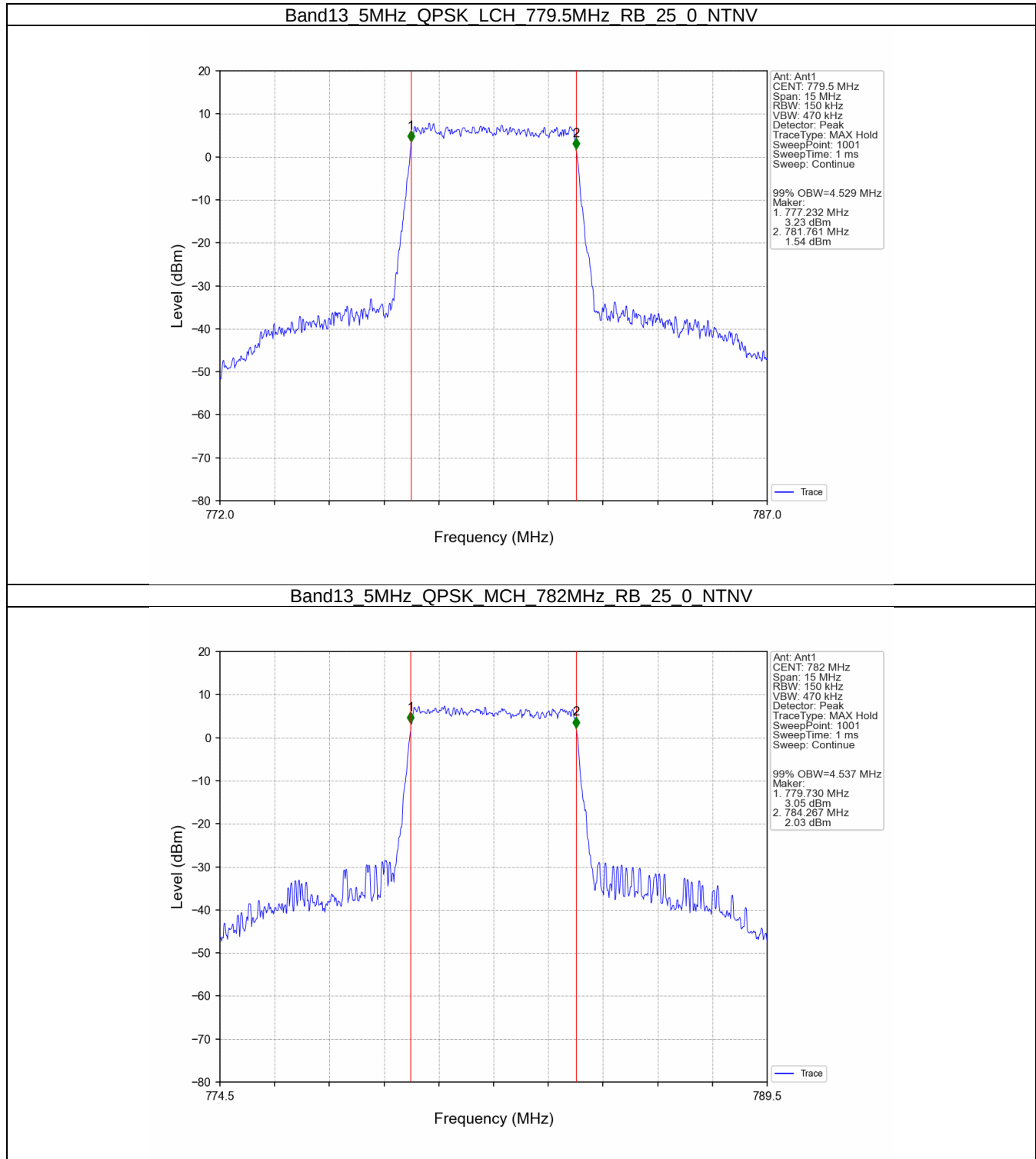
4.1.2 Band13_XDB

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.047	/	Pass
		782	25	0	5.046	/	Pass
		784.5	25	0	5.029	/	Pass
	16QAM	779.5	25	0	5.060	/	Pass
		782	25	0	5.061	/	Pass
		784.5	25	0	5.043	/	Pass
10	QPSK	782	50	0	9.982	/	Pass
	16QAM	782	27	0	6.150	/	Pass



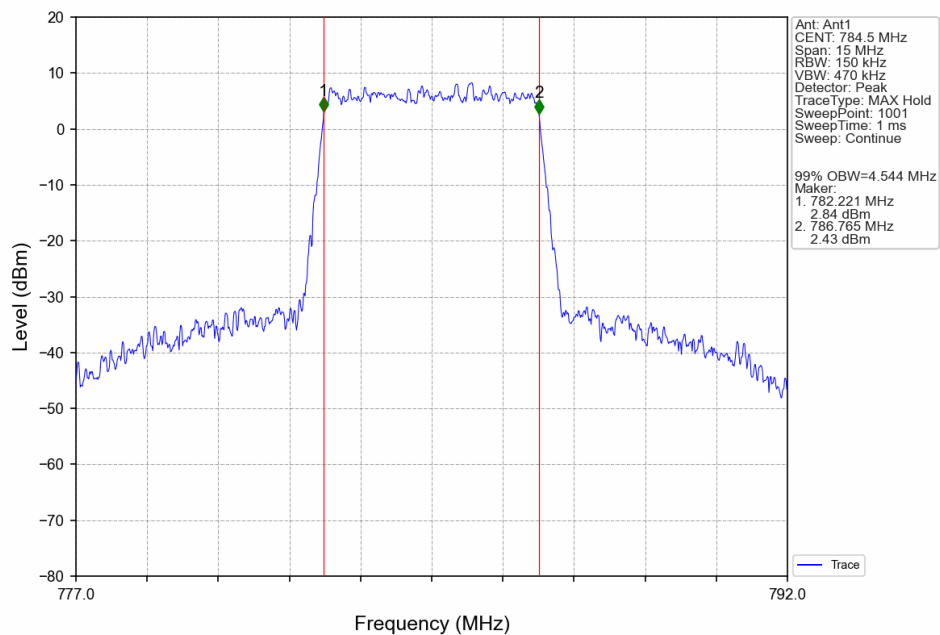
4.2 Test Graph

4.2.1 Band13_OBW

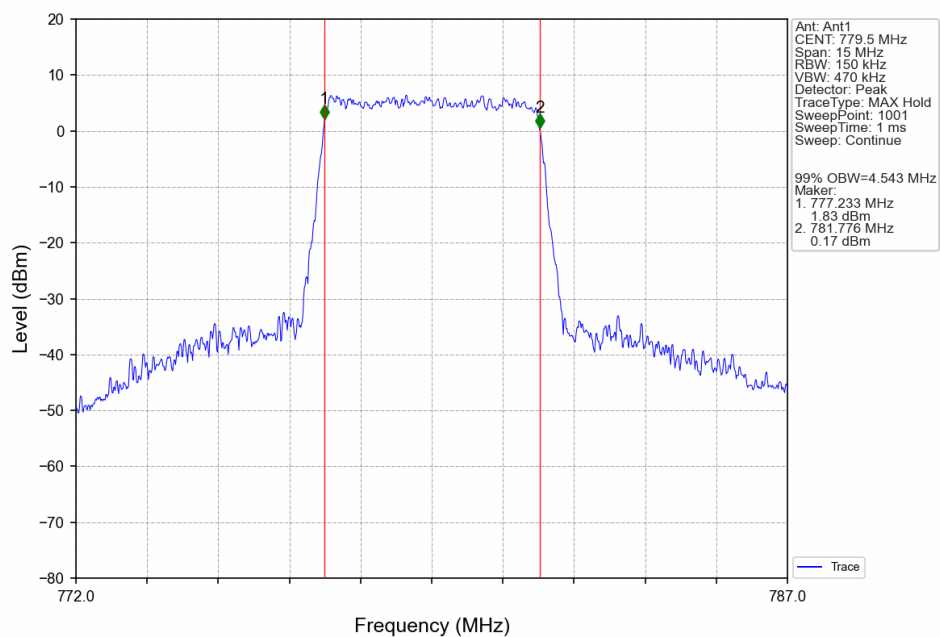




Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

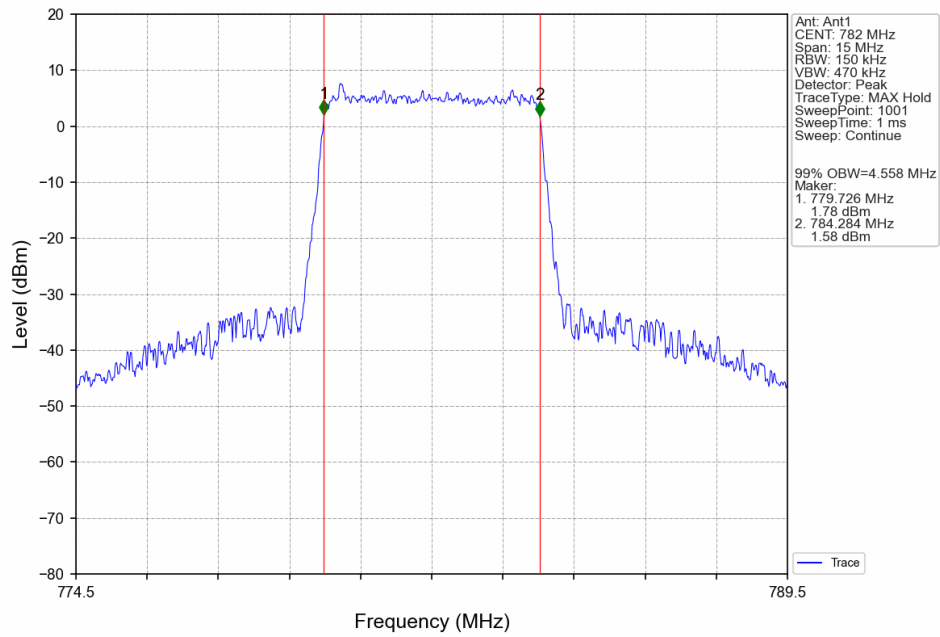


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

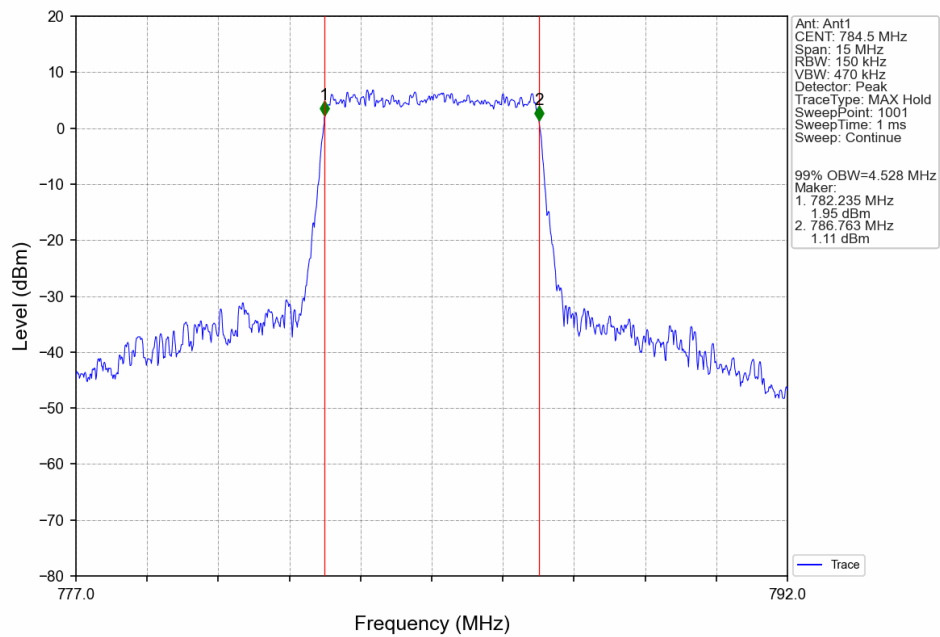




Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

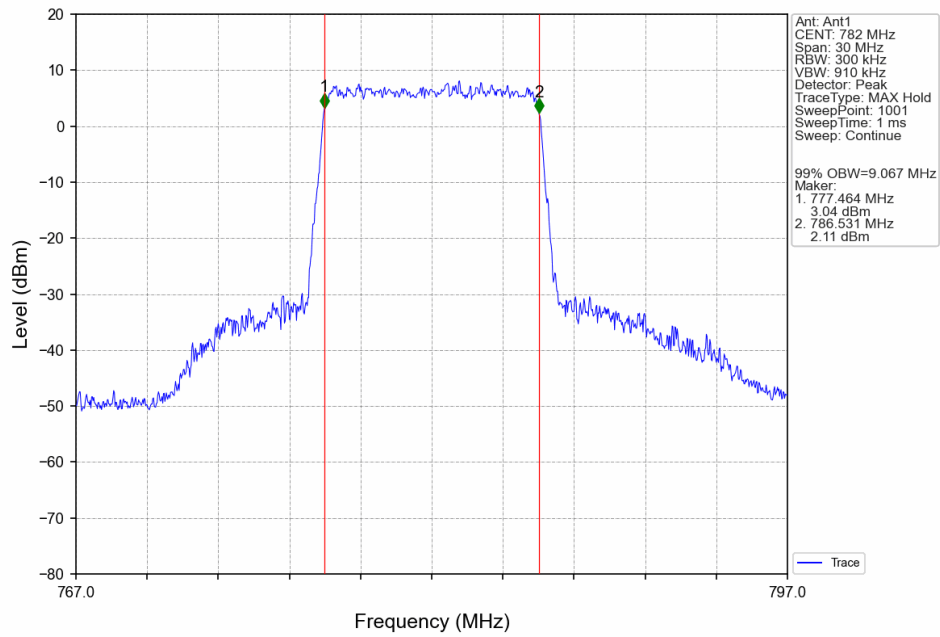


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

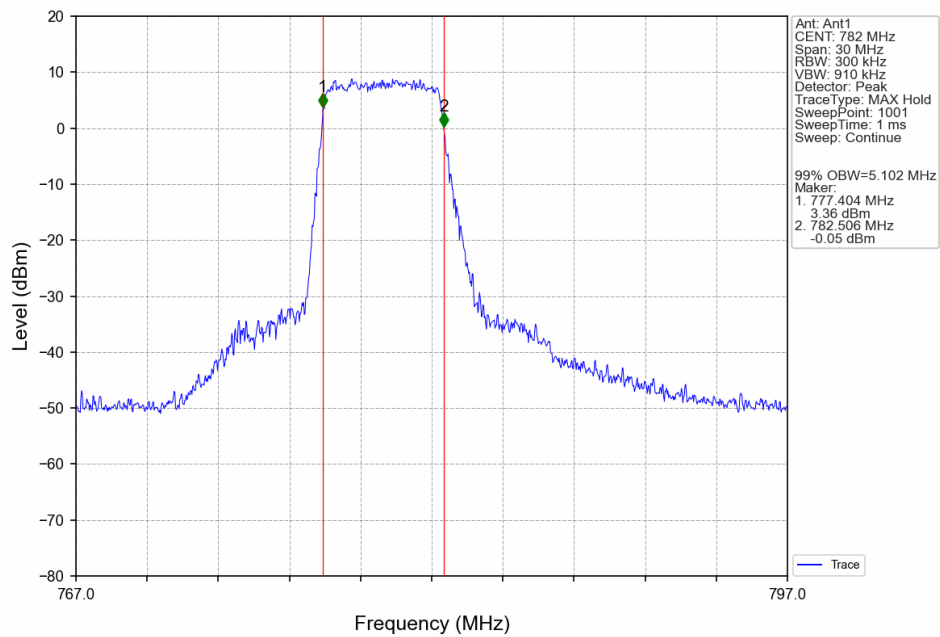




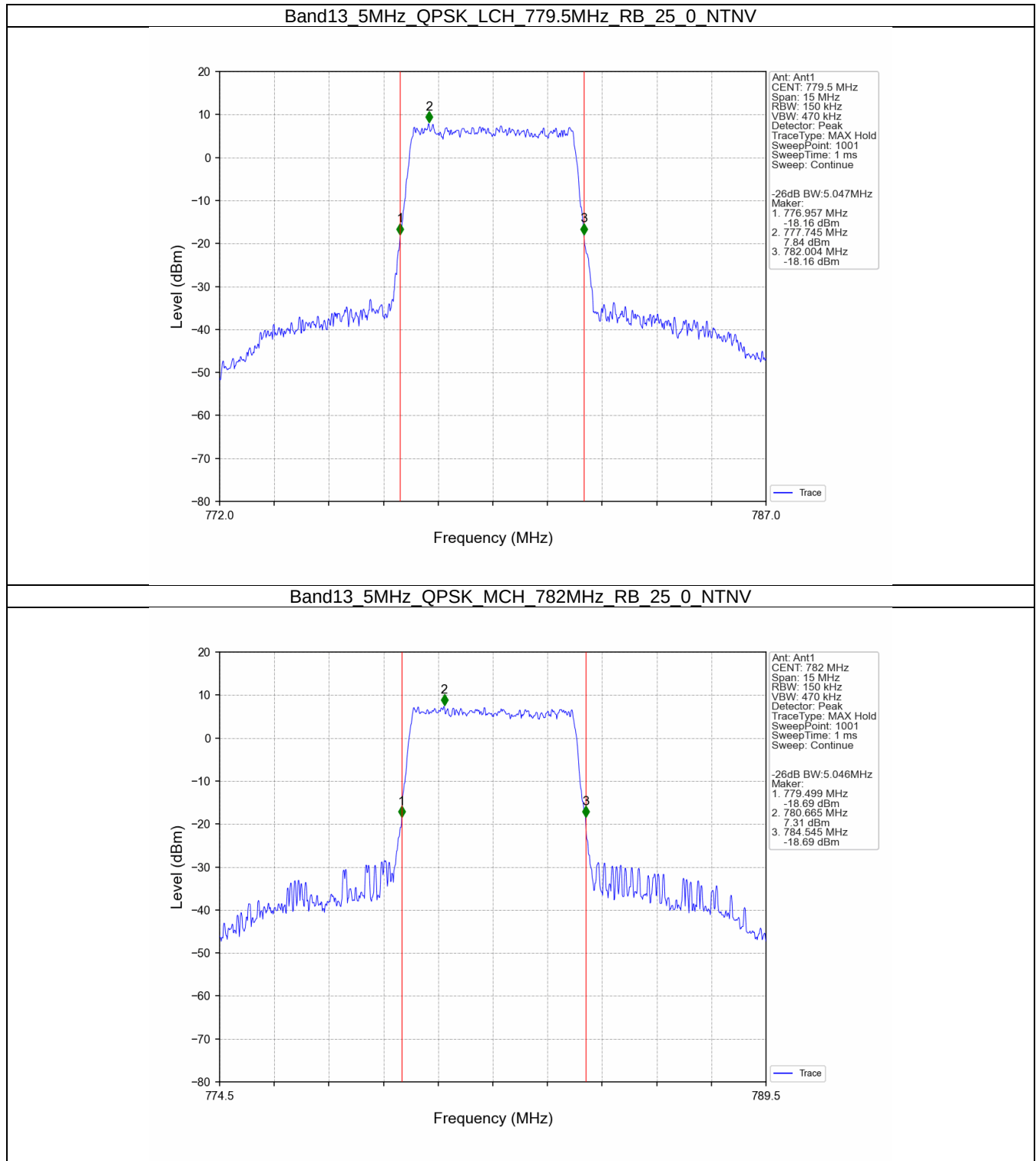
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_27_0_NTNV

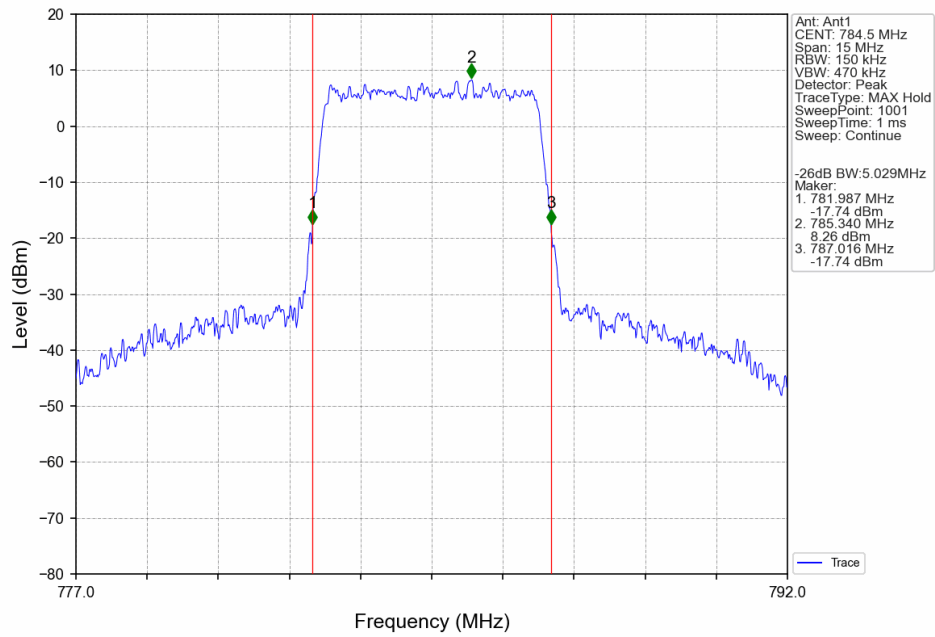


4.2.2 Band13_XDB

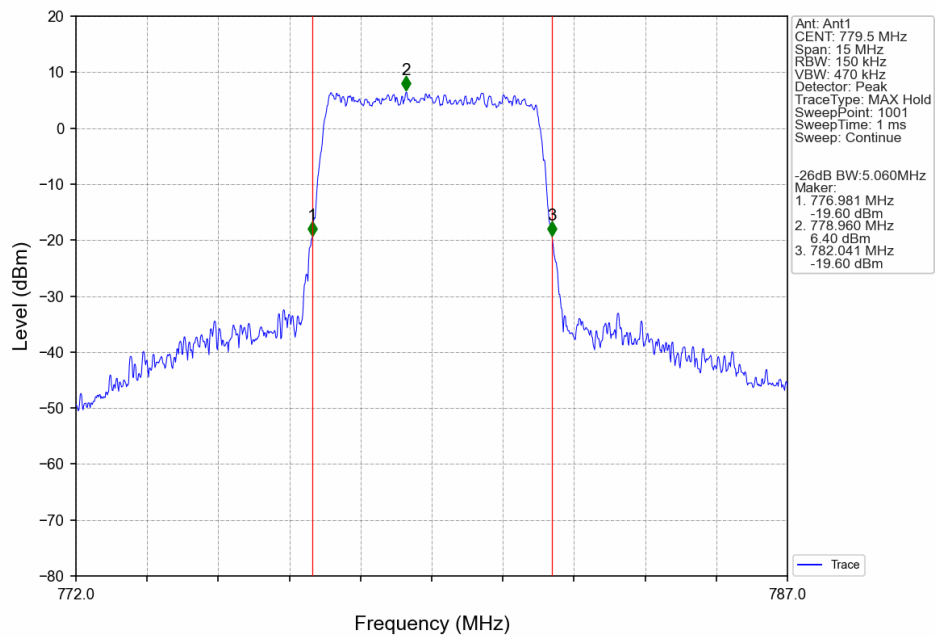




Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

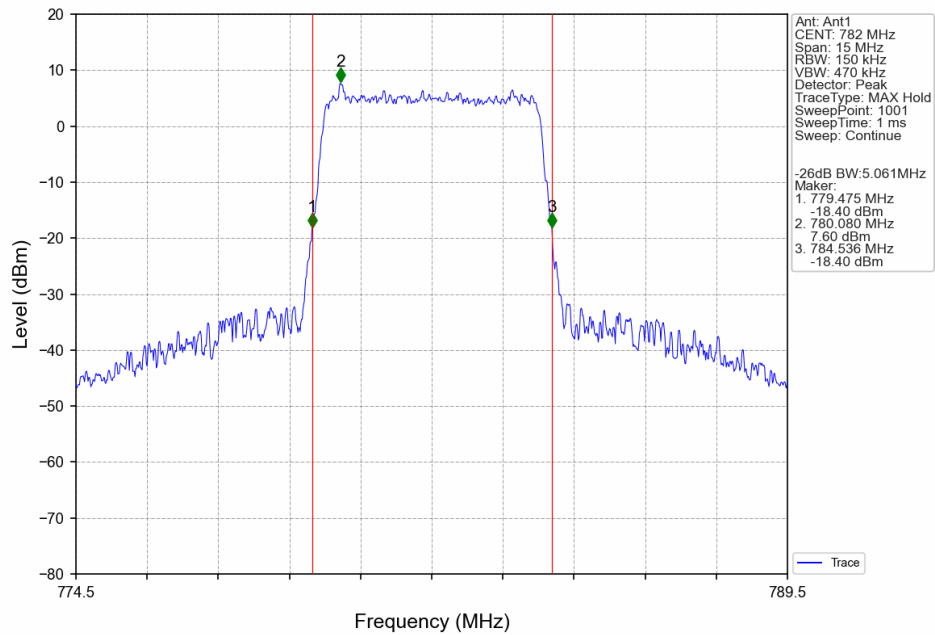


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

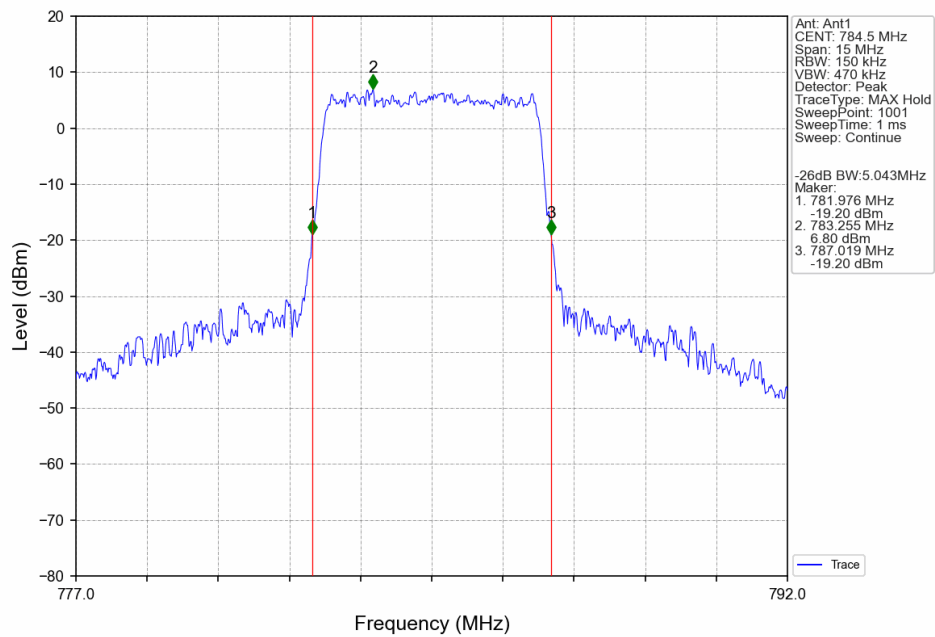




Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV

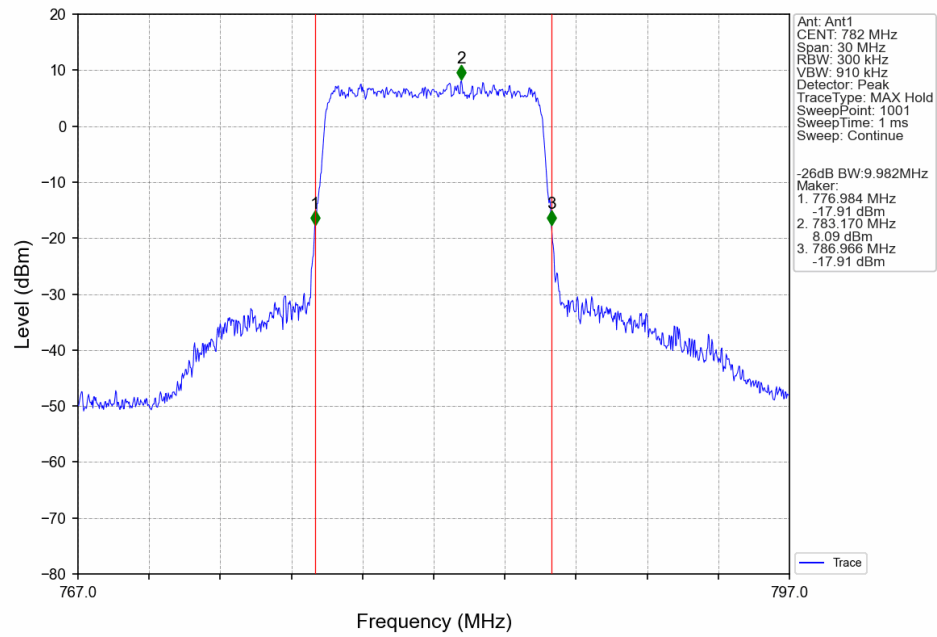


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

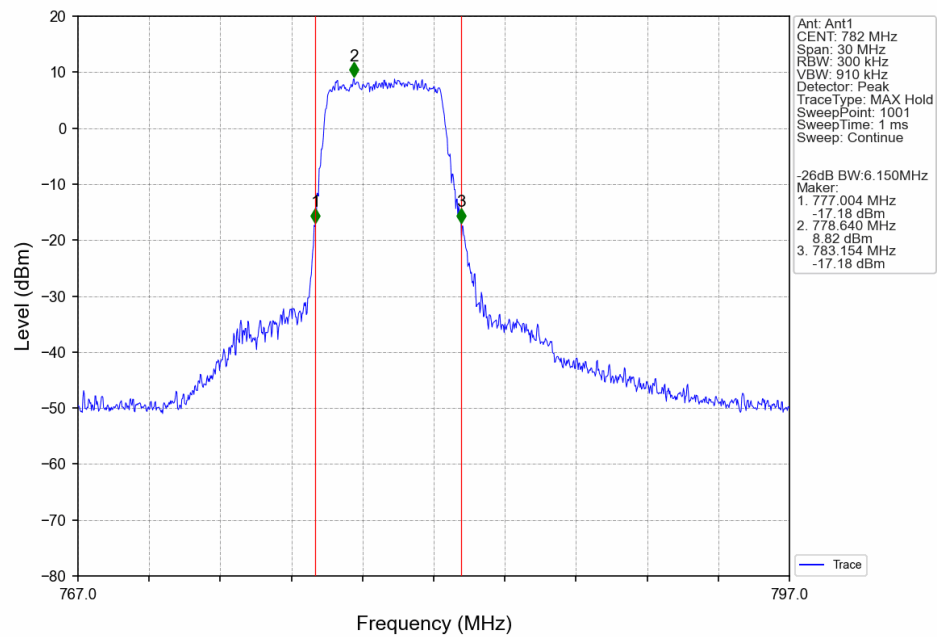




Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_27_0_NTNV





5. Peak-Average Ratio

5.1 Test Result

5.1.1 B13_5MHz

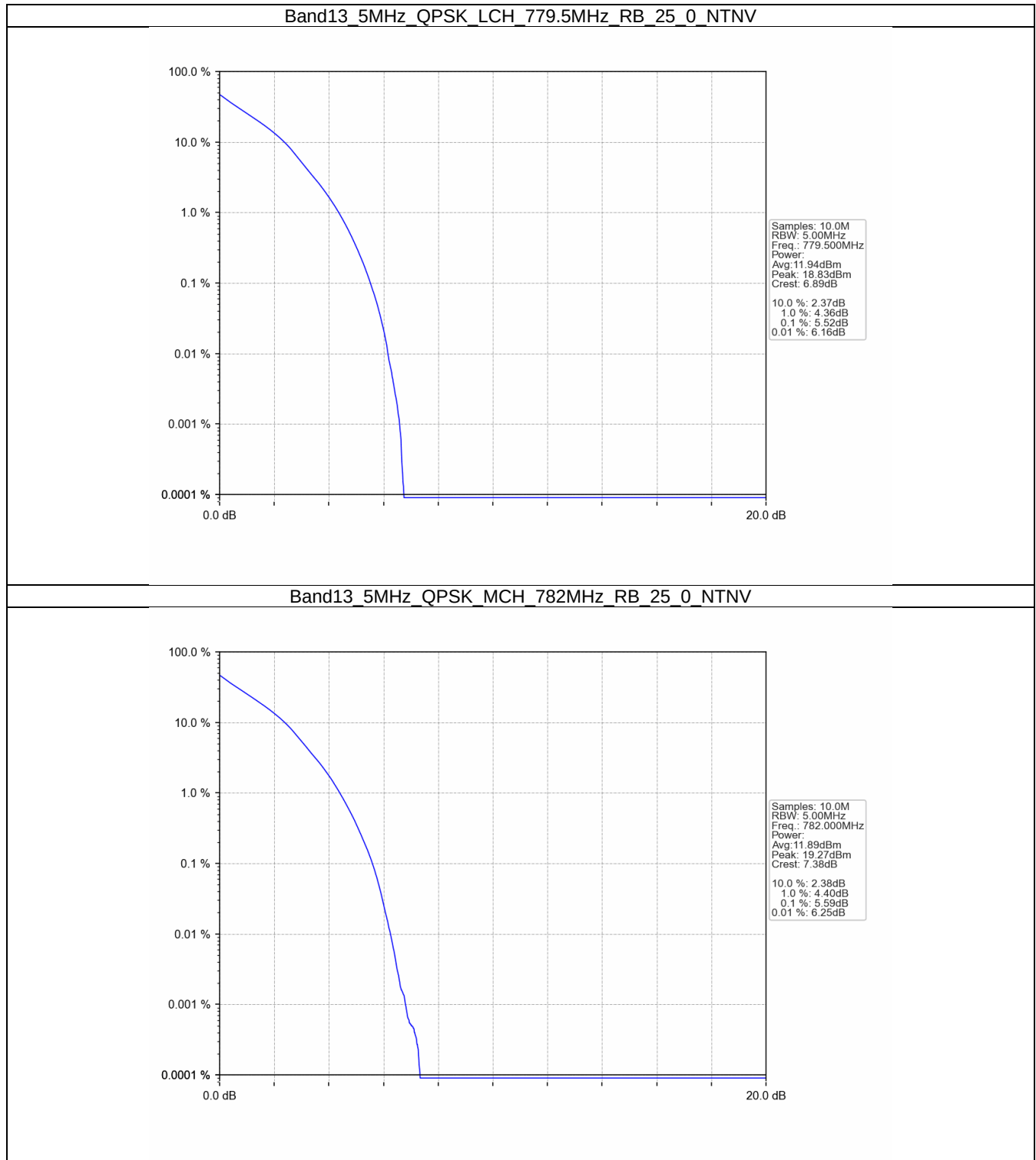
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.52	<=13	Pass
	782	25	0	5.59	<=13	Pass
	784.5	25	0	5.53	<=13	Pass
16QAM	779.5	25	0	6.30	<=13	Pass
	782	25	0	6.27	<=13	Pass
	784.5	25	0	6.17	<=13	Pass

5.1.2 B13_10MHz

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.45	<=13	Pass
16QAM	782	27	0	6.10	<=13	Pass

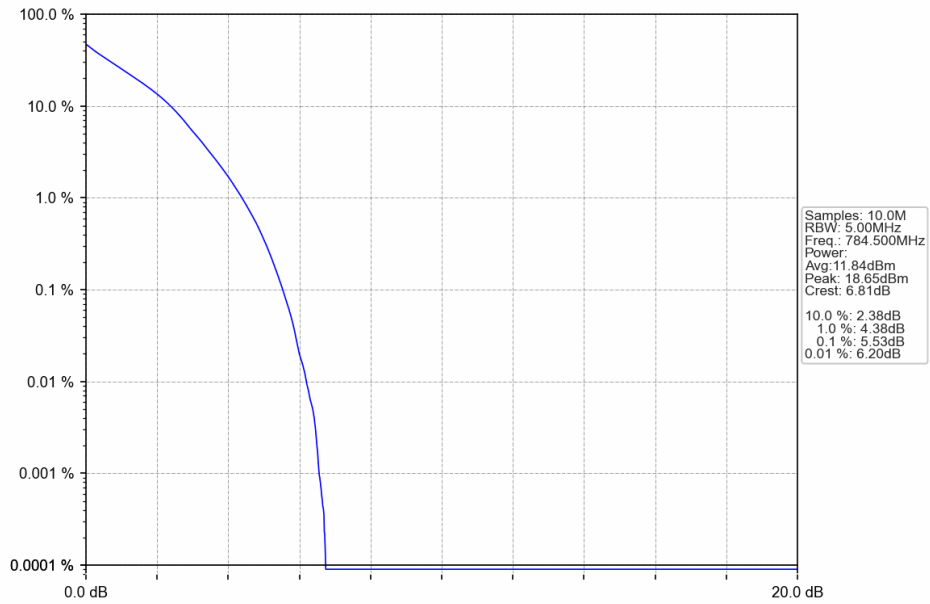
5.2 Test Graph

5.2.1 B13_5MHz

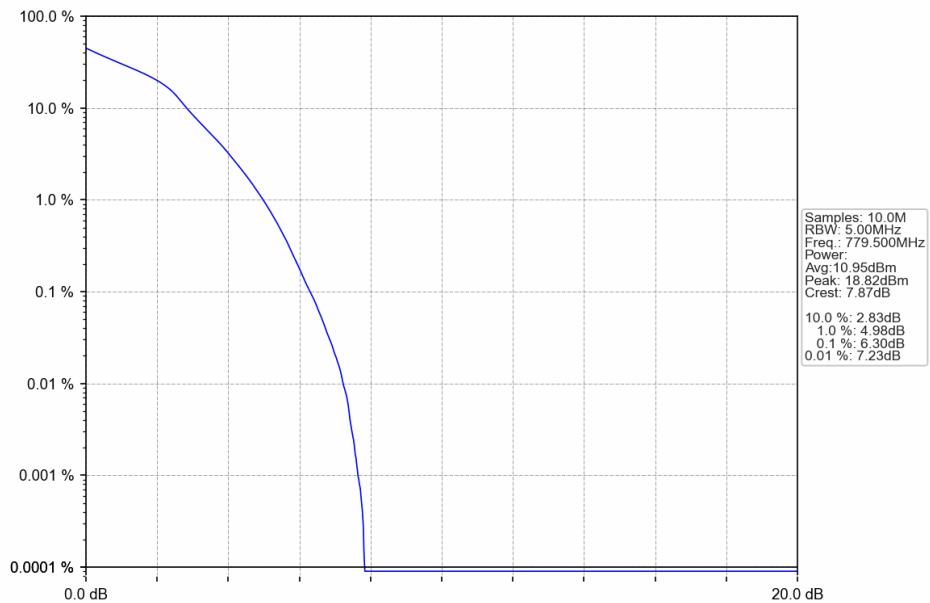




Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

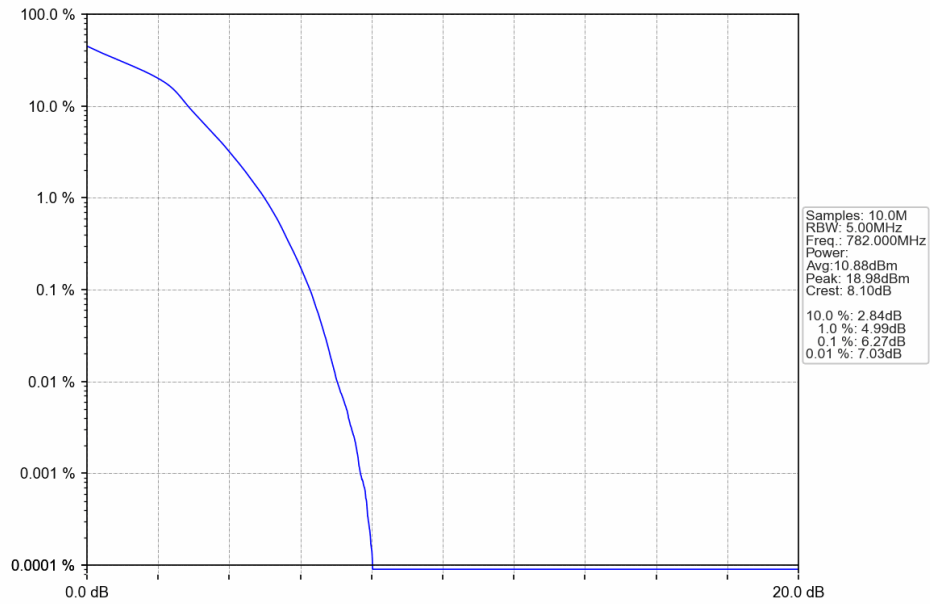


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

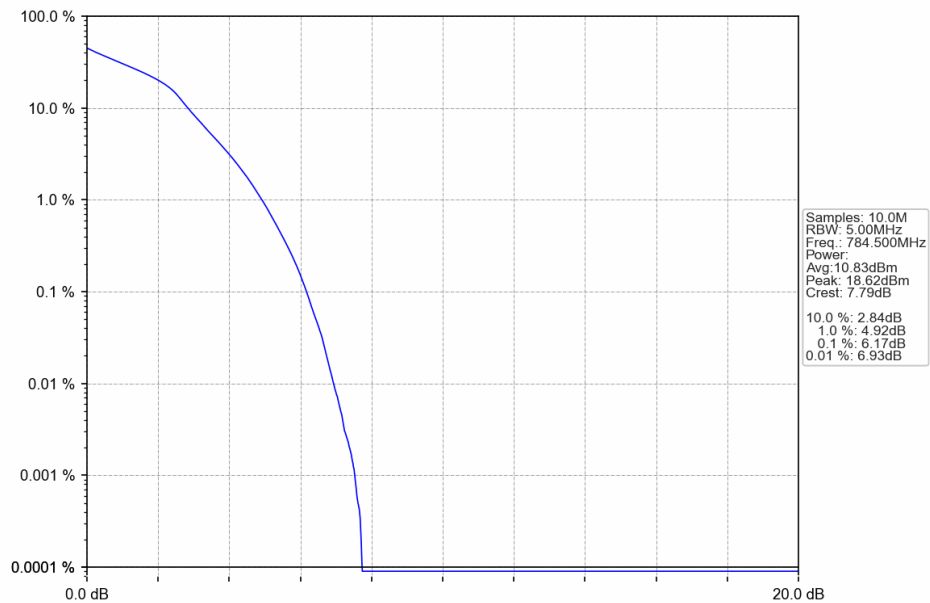




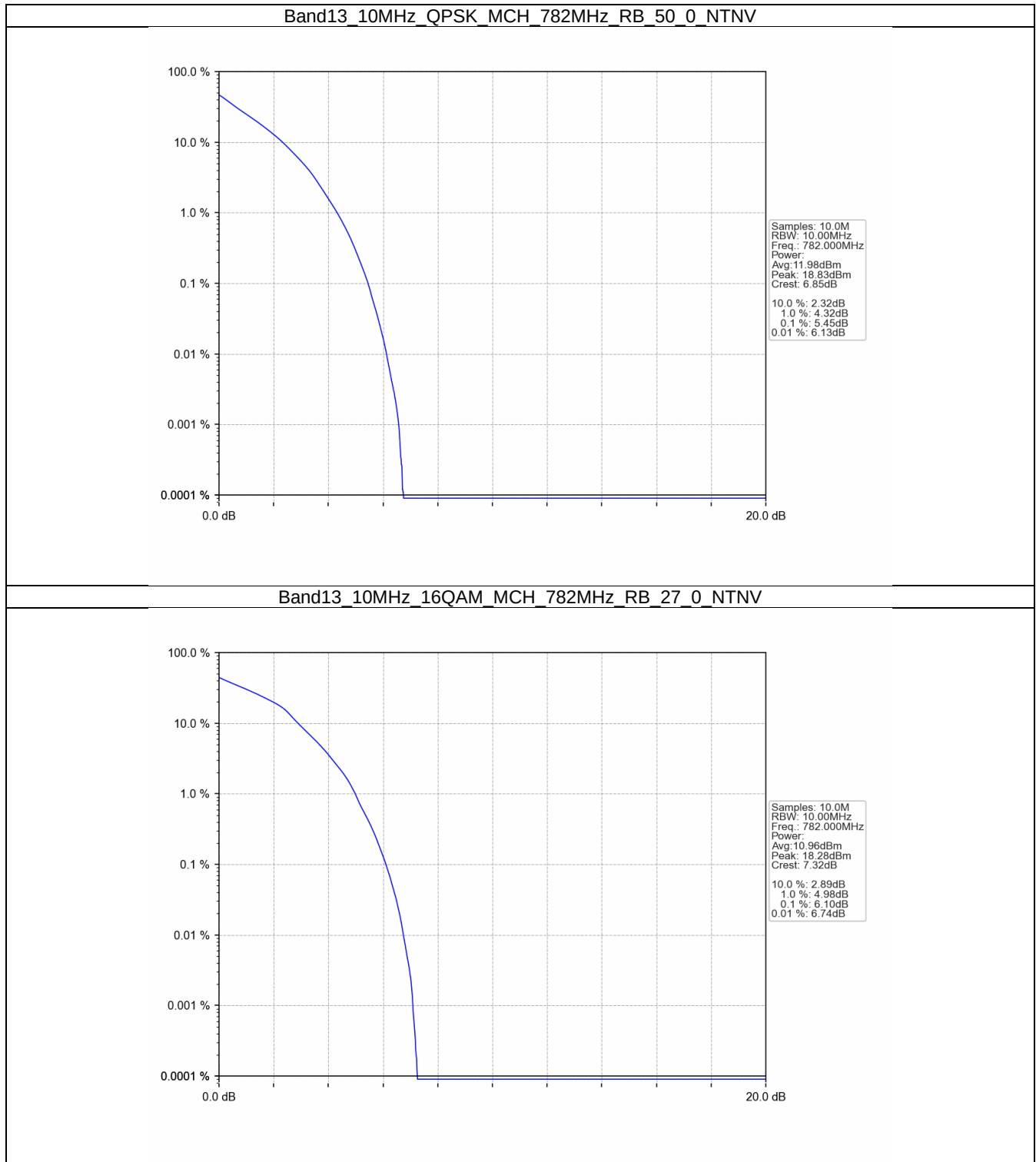
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



5.2.2 B13_10MHz



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
		1	0	Refer To Test Graph		Pass
	784.5	1	0	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
		1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B13_10MHz

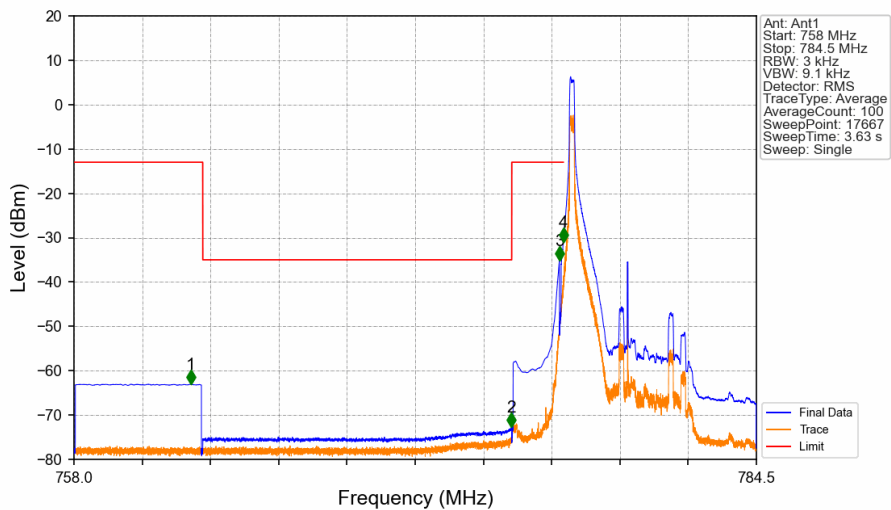
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To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



6.2 Test Graph

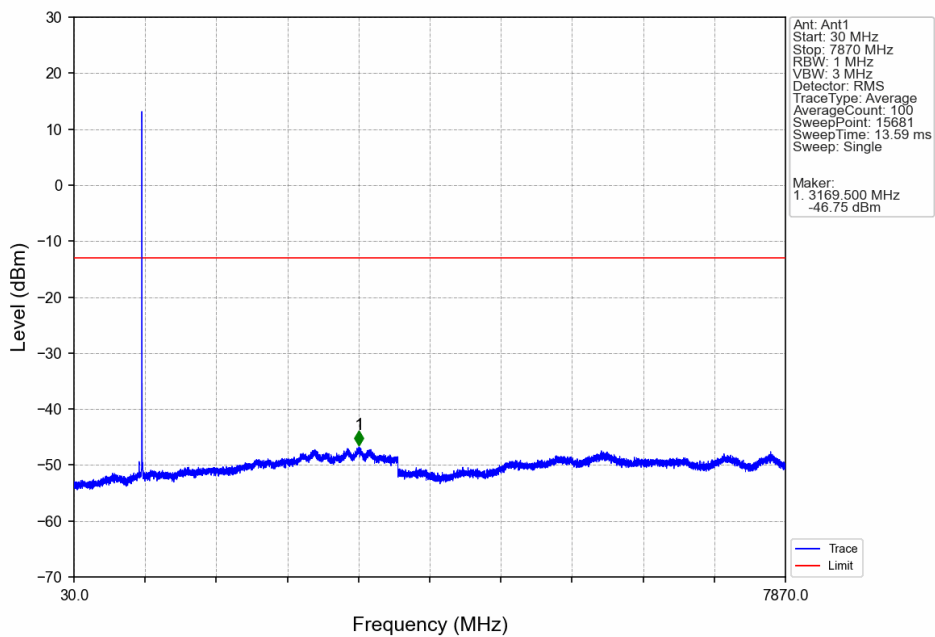
6.2.1 B13_5MHz

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



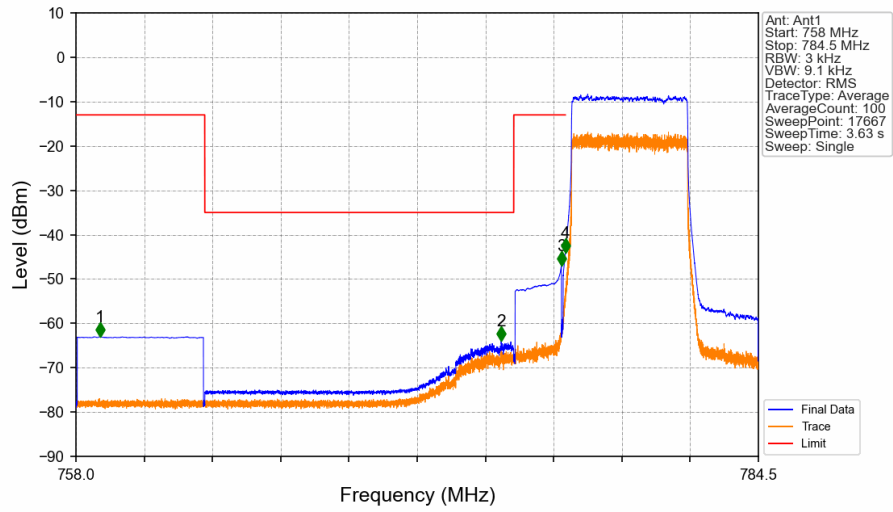
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.541	-63.05	-13	Pass
763	775	0.00625	CHP	2	774.985	-72.73	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.12	-13	Pass
776.9	777	0.03	CHP	4	777.000	-30.96	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

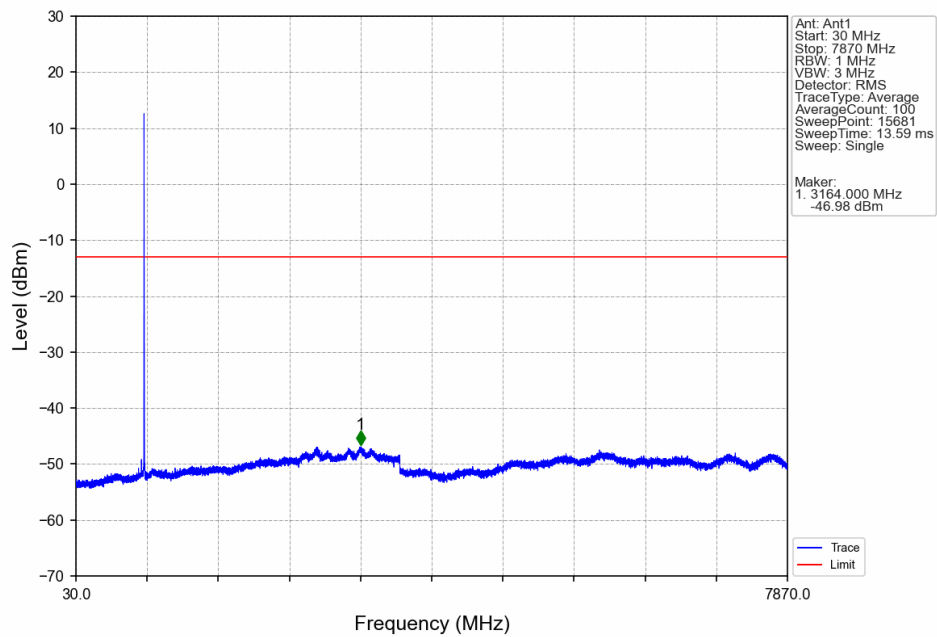




Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

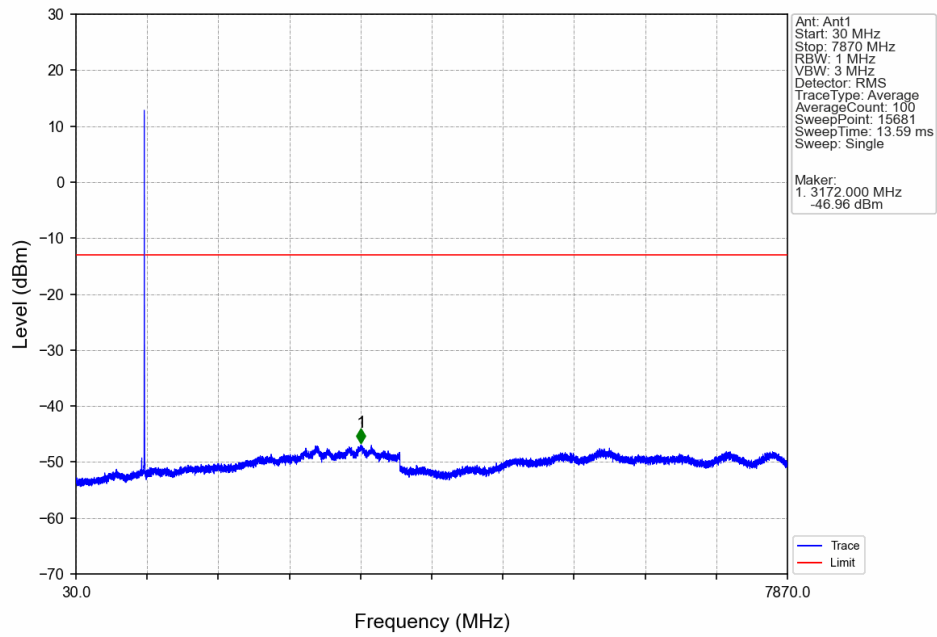


Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

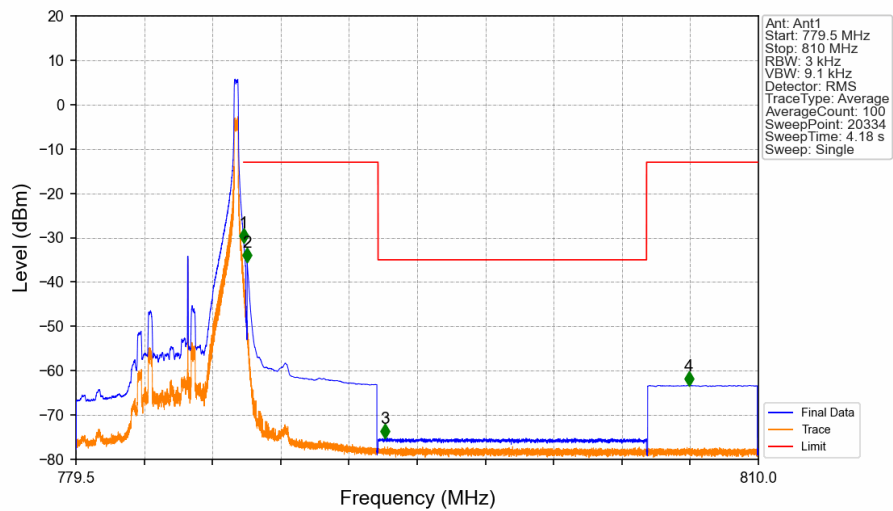




Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

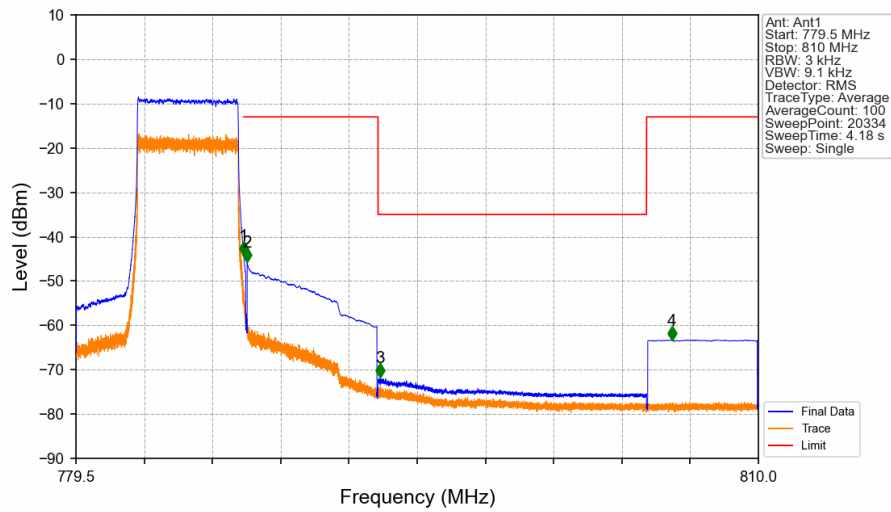


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV

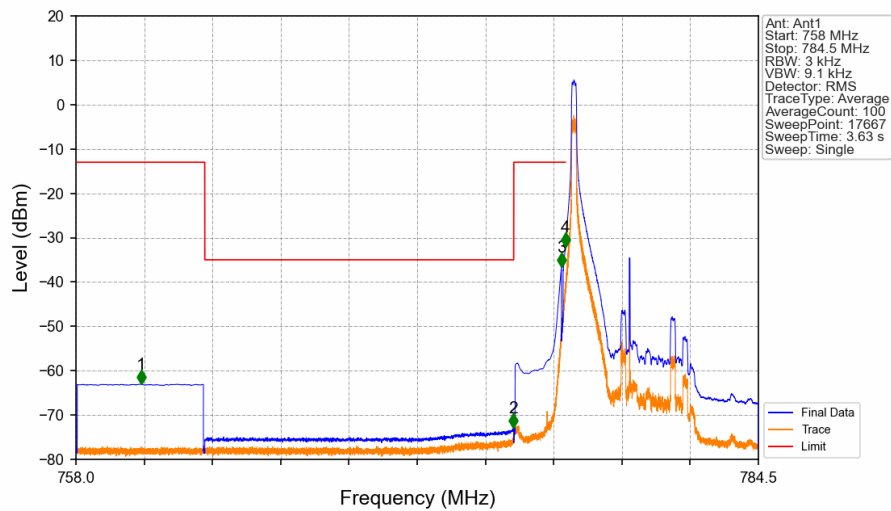


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-31.15	-13	Pass
787.1	793	0.1	CHP	2	787.150	-35.50	-13	Pass
793	805	0.00625	CHP	3	793.293	-75.13	-35	Pass
805	810	0.1	CHP	4	806.896	-63.30	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

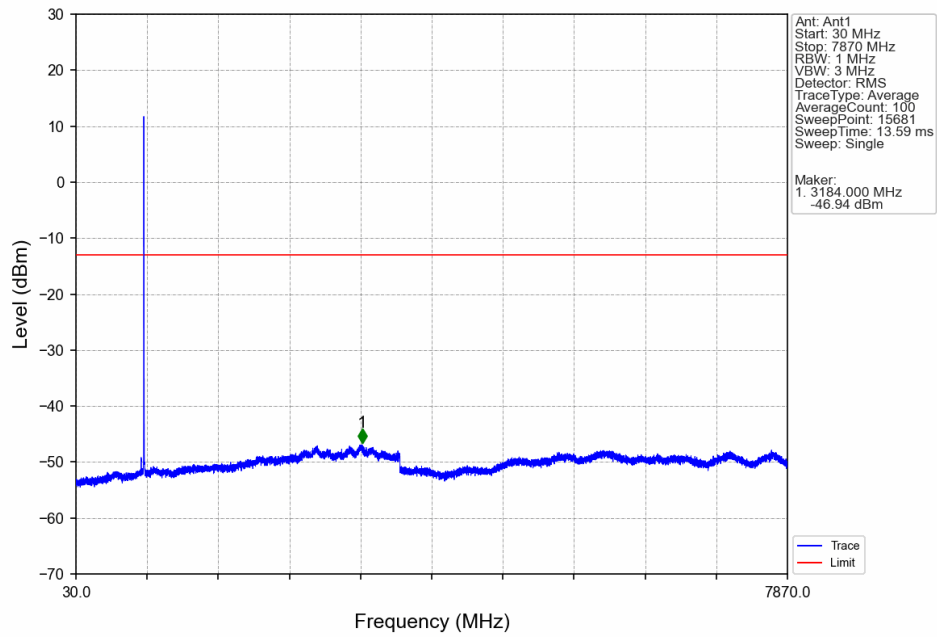


Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

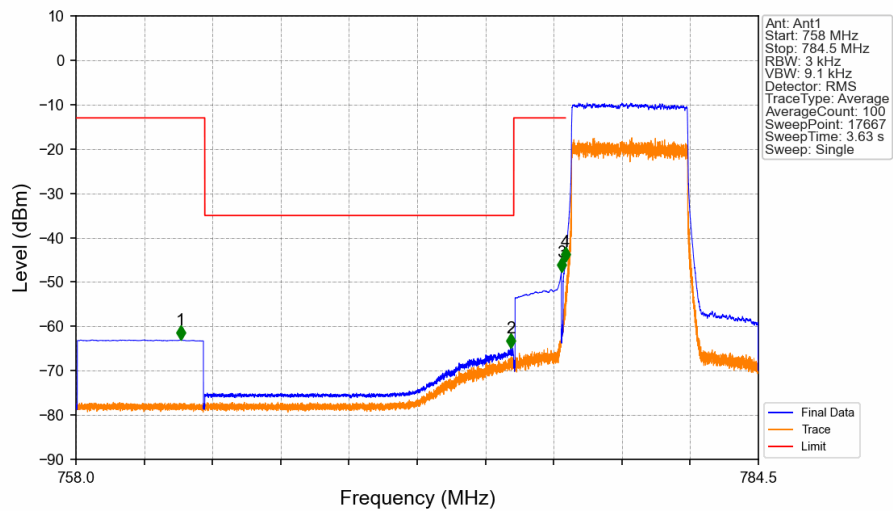




Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



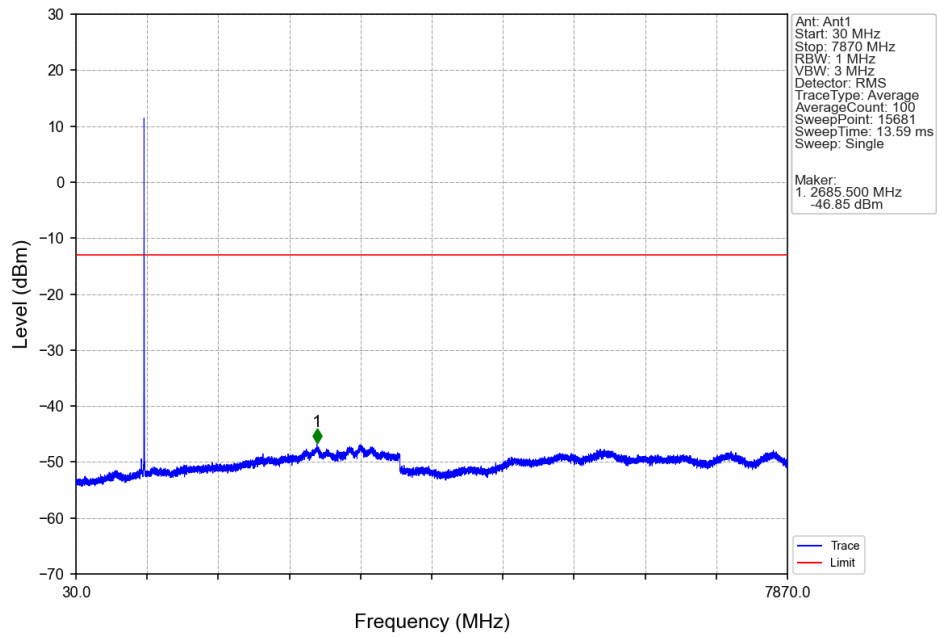
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



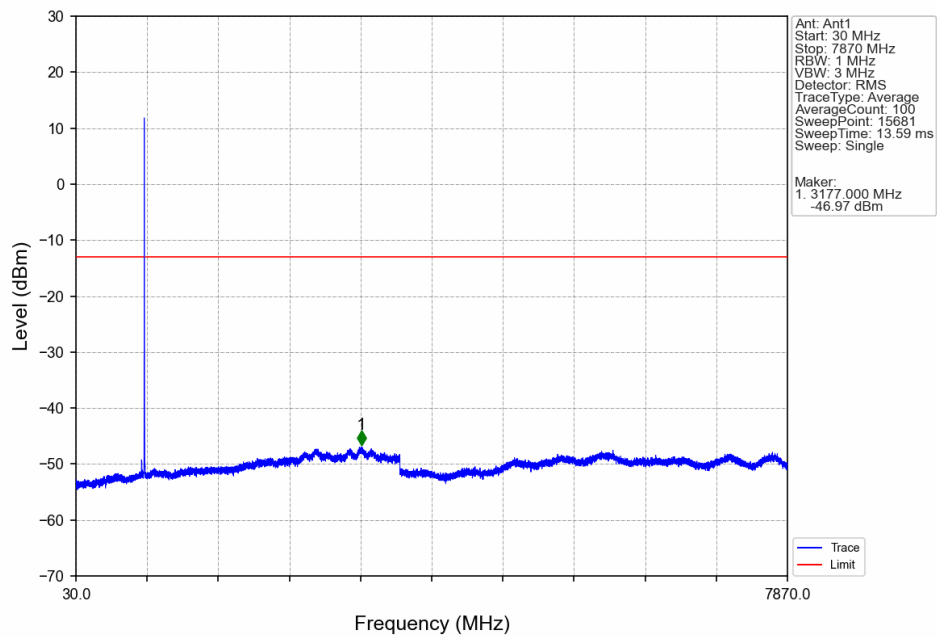
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.062	-63.03	-13	Pass
763	775	0.00625	CHP	2	774.886	-64.83	-35	Pass
775	776.9	0.1	CHP	3	776.850	-47.72	-13	Pass
776.9	777	0.03	CHP	4	777.000	-45.40	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/



Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

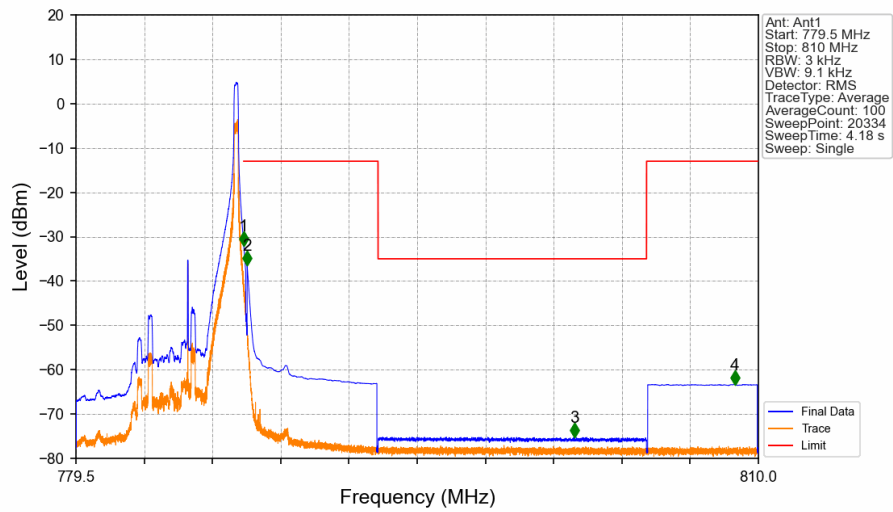


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



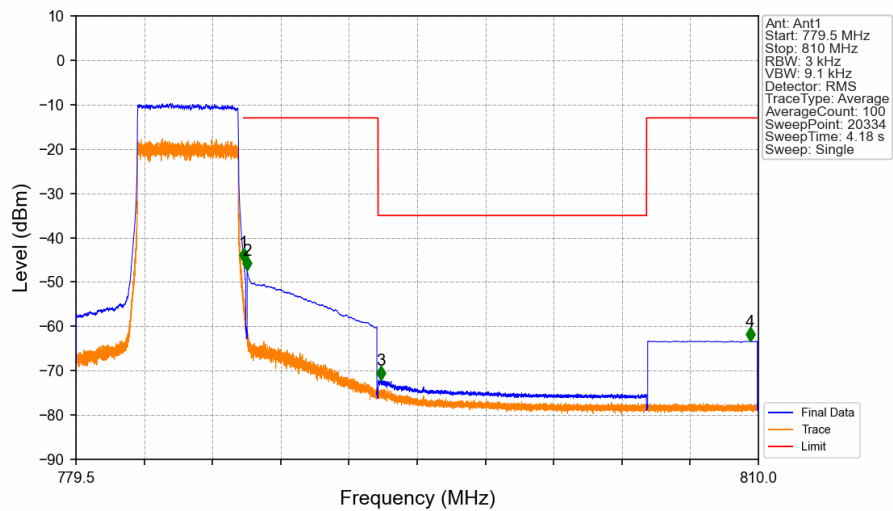


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-32.04	-13	Pass
787.1	793	0.1	CHP	2	787.150	-36.43	-13	Pass
793	805	0.00625	CHP	3	801.790	-75.18	-35	Pass
805	810	0.1	CHP	4	808.938	-63.32	-13	Pass

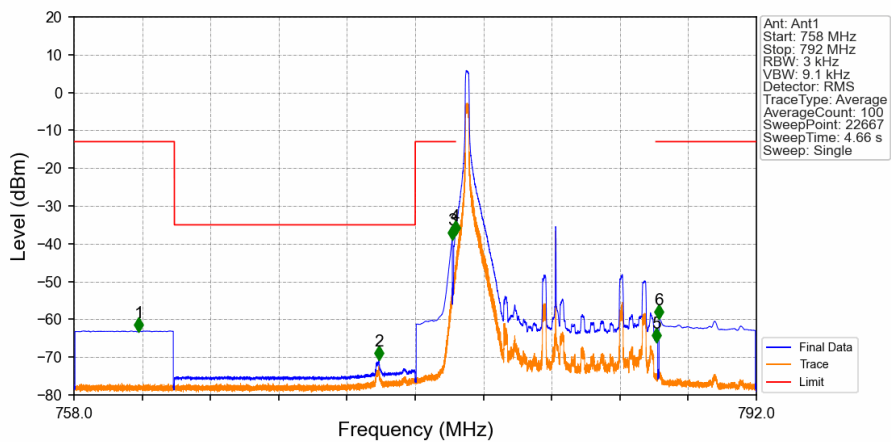
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



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	-45.42	-13	Pass
787.1	793	0.1	CHP	2	787.150	-47.28	-13	Pass
793	805	0.00625	CHP	3	793.128	-72.04	-35	Pass
805	810	0.1	CHP	4	809.631	-63.33	-13	Pass

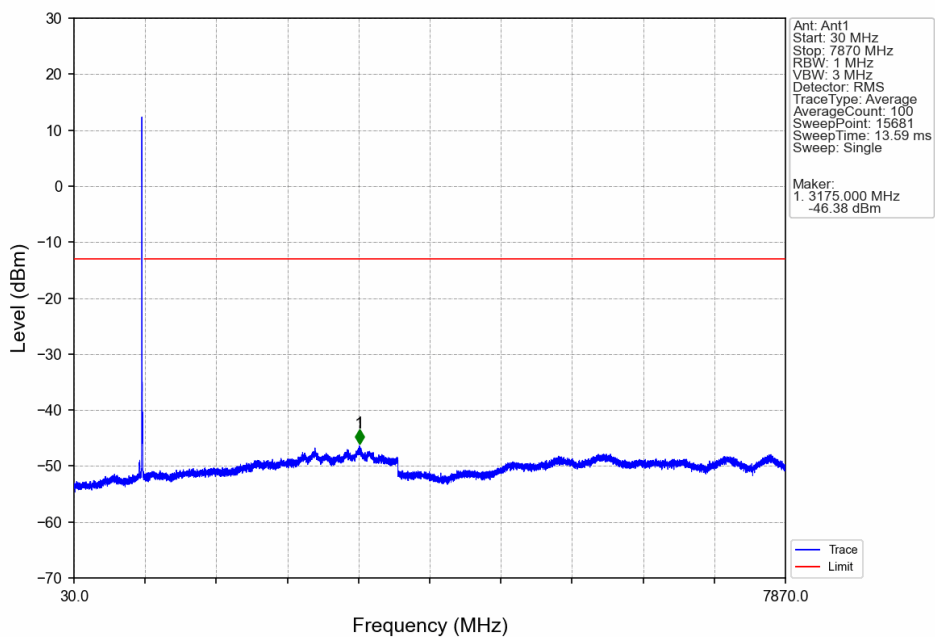
6.2.2 B13_10MHz

Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

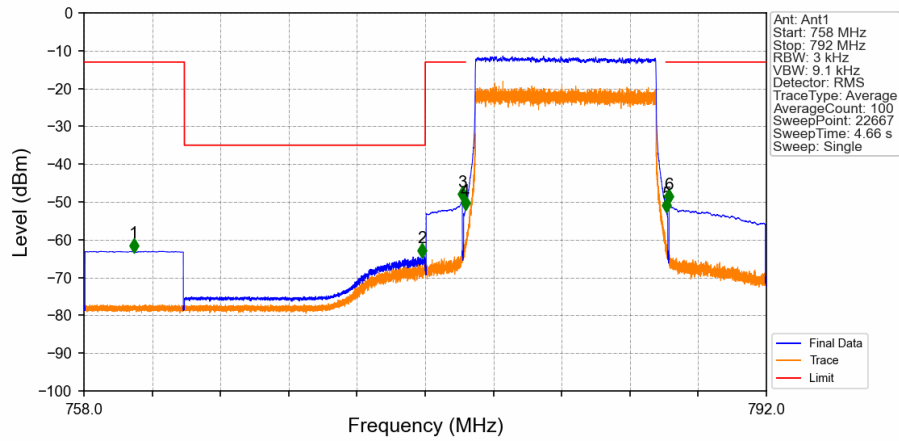


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.230	-63.05	-13	Pass
763	775	0.00625	CHP	2	773.189	-70.56	-35	Pass
775	776.9	0.1	CHP	3	776.850	-38.53	-13	Pass
776.9	777	0.03	CHP	4	777.000	-37.40	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.008	-65.80	-13	Pass
787.1	792	0.1	CHP	6	787.150	-59.64	-13	Pass

Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

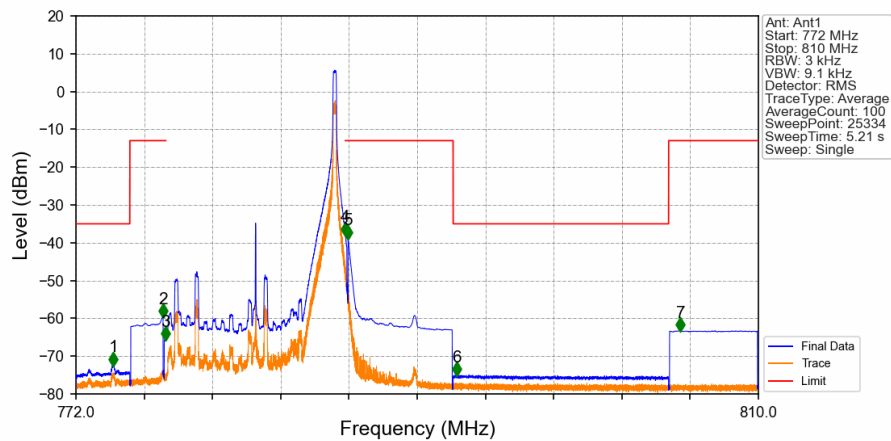


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



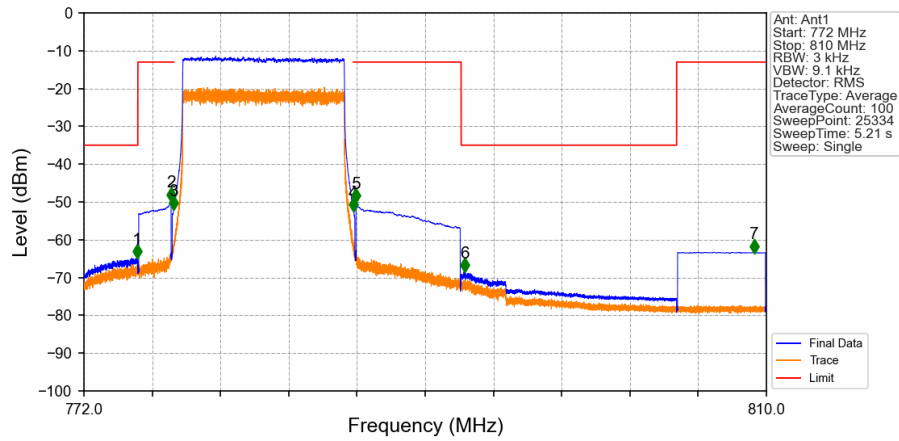
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.477	-63.06	-13	Pass
763	775	0.00625	CHP	2	774.853	-64.35	-35	Pass
775	776.9	0.1	CHP	3	776.850	-49.49	-13	Pass
776.9	777	0.03	CHP	4	777.000	-51.87	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-52.42	-13	Pass
787.1	792	0.1	CHP	6	787.150	-50.15	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_1_49_NTNV



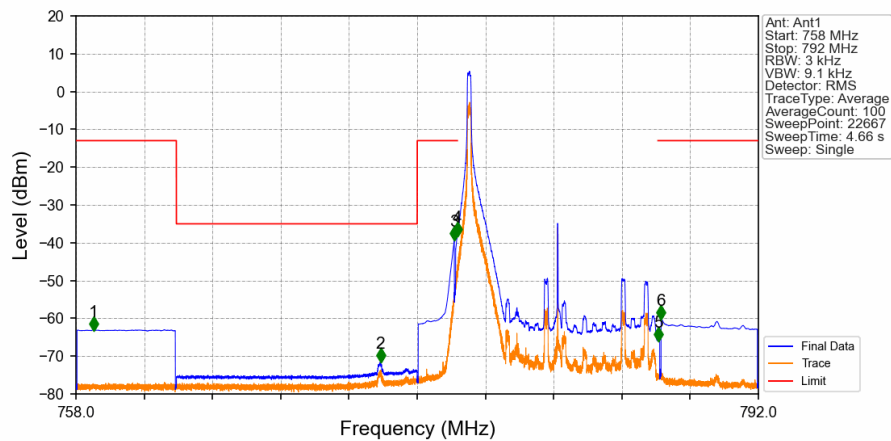
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.085	-72.30	-35	Pass
775	776.9	0.1	CHP	2	776.847	-59.53	-13	Pass
776.9	777	0.03	CHP	3	776.997	-65.57	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-37.92	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.77	-13	Pass
793	805	0.00625	CHP	6	793.201	-74.94	-35	Pass
805	810	0.1	CHP	7	805.663	-63.28	-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	774.952	-64.71	-35	Pass
775	776.9	0.1	CHP	2	776.850	-49.57	-13	Pass
776.9	777	0.03	CHP	3	777.000	-51.85	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.002	-52.21	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.87	-13	Pass
793	805	0.00625	CHP	6	793.215	-68.27	-35	Pass
805	810	0.1	CHP	7	809.331	-63.28	-13	Pass

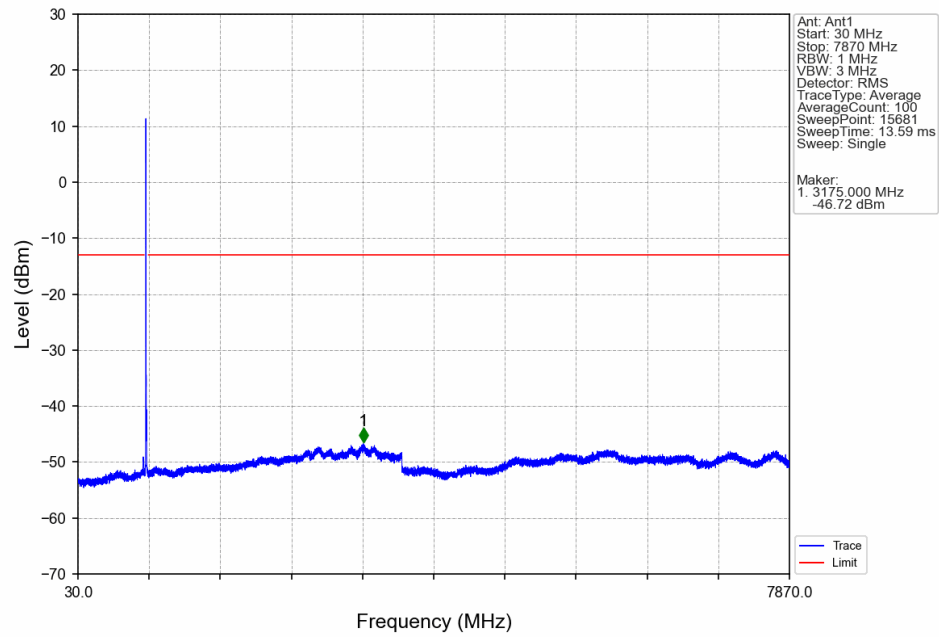
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



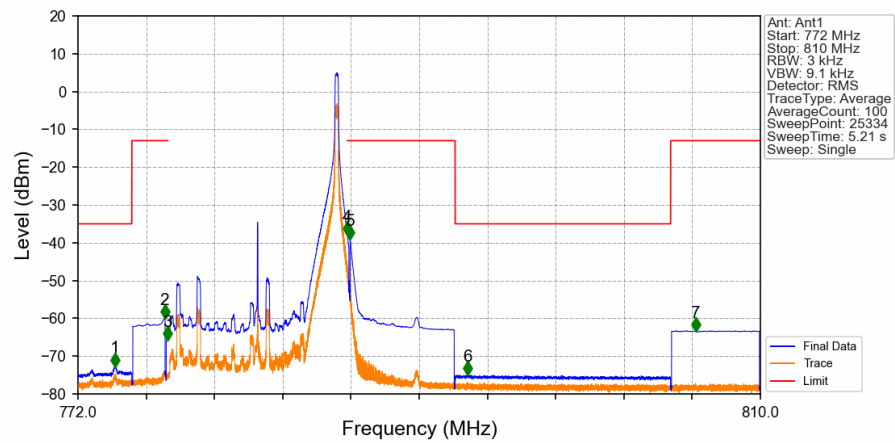
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.866	-63.01	-13	Pass
763	775	0.00625	CHP	2	773.176	-71.37	-35	Pass
775	776.9	0.1	CHP	3	776.850	-39.15	-13	Pass
776.9	777	0.03	CHP	4	777.000	-37.98	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.021	-65.79	-13	Pass
787.1	792	0.1	CHP	6	787.150	-60.02	-13	Pass



Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_HCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.051	-72.51	-35	Pass
775	776.9	0.1	CHP	2	776.830	-59.80	-13	Pass
776.9	777	0.03	CHP	3	776.983	-65.56	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-37.82	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.82	-13	Pass
793	805	0.00625	CHP	6	793.687	-74.79	-35	Pass
805	810	0.1	CHP	7	806.392	-63.24	-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	0.2410	0.0053	ppm	4M54G7D	27F	23.82
13	5	779.5	784.5	0.1950	0.0067	ppm	4M56W7D	27F	22.90
13	10	782	782	0.2317	0.0021	ppm	9M07G7D	27F	23.65
13	10	782	782	0.1919	0.0140	ppm	5M10W7D	27F	22.83

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	0.2275	0.0053	ppm	4M54G7D	27F	23.57
13	5	779.5	784.5	0.1841	0.0067	ppm	4M56W7D	27F	22.65
13	10	782	782	0.2188	0.0021	ppm	9M07G7D	27F	23.40
13	10	782	782	0.1811	0.0140	ppm	5M10W7D	27F	22.58