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	24.18	0.20	22.23	<=34.77	Pass
			13	24.40	0.20	22.45	<=34.77	Pass
			24	24.28	0.20	22.33	<=34.77	Pass
		12	0	23.30	0.20	21.35	<=34.77	Pass
			6	23.42	0.20	21.47	<=34.77	Pass
			13	23.33	0.20	21.38	<=34.77	Pass
		25	0	23.29	0.20	21.34	<=34.77	Pass
	782	1	0	24.19	0.20	22.24	<=34.77	Pass
			13	24.34	0.20	22.39	<=34.77	Pass
			24	24.23	0.20	22.28	<=34.77	Pass
		12	0	23.31	0.20	21.36	<=34.77	Pass
			6	23.30	0.20	21.35	<=34.77	Pass
			13	23.39	0.20	21.44	<=34.77	Pass
		25	0	23.22	0.20	21.27	<=34.77	Pass
	784.5	1	0	24.27	0.20	22.32	<=34.77	Pass
			13	24.14	0.20	22.19	<=34.77	Pass
			24	24.24	0.20	22.29	<=34.77	Pass
		12	0	23.22	0.20	21.27	<=34.77	Pass
			6	23.28	0.20	21.33	<=34.77	Pass
			13	23.25	0.20	21.30	<=34.77	Pass
		25	0	23.30	0.20	21.35	<=34.77	Pass
16QAM	779.5	1	0	23.61	0.20	21.66	<=34.77	Pass
			13	23.31	0.20	21.36	<=34.77	Pass
			24	23.38	0.20	21.43	<=34.77	Pass
		12	0	22.16	0.20	20.21	<=34.77	Pass
			6	22.21	0.20	20.26	<=34.77	Pass
			13	22.12	0.20	20.17	<=34.77	Pass
		25	0	22.26	0.20	20.31	<=34.77	Pass
	782	1	0	23.52	0.20	21.57	<=34.77	Pass
			13	23.33	0.20	21.38	<=34.77	Pass
			24	23.33	0.20	21.38	<=34.77	Pass
		12	0	22.18	0.20	20.23	<=34.77	Pass
			6	22.35	0.20	20.40	<=34.77	Pass
			13	22.19	0.20	20.24	<=34.77	Pass
		25	0	22.20	0.20	20.25	<=34.77	Pass
	784.5	1	0	23.60	0.20	21.65	<=34.77	Pass
			13	23.16	0.20	21.21	<=34.77	Pass
			24	23.05	0.20	21.10	<=34.77	Pass
		12	0	22.23	0.20	20.28	<=34.77	Pass
			6	22.30	0.20	20.35	<=34.77	Pass
			13	22.23	0.20	20.28	<=34.77	Pass
		25	0	22.21	0.20	20.26	<=34.77	Pass
64QAM	779.5	1	0	22.32	0.20	20.37	<=34.77	Pass
			13	22.20	0.20	20.25	<=34.77	Pass
			24	22.22	0.20	20.27	<=34.77	Pass
		12	0	21.22	0.20	19.27	<=34.77	Pass
			6	21.39	0.20	19.44	<=34.77	Pass
			13	21.33	0.20	19.38	<=34.77	Pass
		25	0	21.21	0.20	19.26	<=34.77	Pass

	782	1	0	22.24	0.20	20.29	<=34.77	Pass
			13	22.18	0.20	20.23	<=34.77	Pass
			24	22.22	0.20	20.27	<=34.77	Pass
		12	0	21.54	0.20	19.59	<=34.77	Pass
			6	21.29	0.20	19.34	<=34.77	Pass
			13	21.39	0.20	19.44	<=34.77	Pass
		25	0	21.15	0.20	19.20	<=34.77	Pass
	784.5	1	0	22.32	0.20	20.37	<=34.77	Pass
			13	21.98	0.20	20.03	<=34.77	Pass
			24	22.02	0.20	20.07	<=34.77	Pass
		12	0	21.19	0.20	19.24	<=34.77	Pass
			6	21.30	0.20	19.35	<=34.77	Pass
			13	21.27	0.20	19.32	<=34.77	Pass
		25	0	21.26	0.20	19.31	<=34.77	Pass
256QAM	779.5	1	0	19.41	0.20	17.46	<=34.77	Pass
			13	19.22	0.20	17.27	<=34.77	Pass
			24	19.25	0.20	17.30	<=34.77	Pass
		12	0	19.18	0.20	17.23	<=34.77	Pass
			6	19.29	0.20	17.34	<=34.77	Pass
			13	19.15	0.20	17.20	<=34.77	Pass
		25	0	19.20	0.20	17.25	<=34.77	Pass
	782	1	0	19.39	0.20	17.44	<=34.77	Pass
			13	19.13	0.20	17.18	<=34.77	Pass
			24	19.30	0.20	17.35	<=34.77	Pass
		12	0	19.29	0.20	17.34	<=34.77	Pass
			6	19.32	0.20	17.37	<=34.77	Pass
			13	19.00	0.20	17.05	<=34.77	Pass
		25	0	19.16	0.20	17.21	<=34.77	Pass
	784.5	1	0	19.37	0.20	17.42	<=34.77	Pass
			13	19.29	0.20	17.34	<=34.77	Pass
			24	19.21	0.20	17.26	<=34.77	Pass
		12	0	19.19	0.20	17.24	<=34.77	Pass
			6	19.21	0.20	17.26	<=34.77	Pass
			13	19.23	0.20	17.28	<=34.77	Pass
		25	0	19.13	0.20	17.18	<=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	24.11	0.20	22.16	<=34.77	Pass
			25	24.37	0.20	22.42	<=34.77	Pass
			49	24.24	0.20	22.29	<=34.77	Pass
		25	0	23.31	0.20	21.36	<=34.77	Pass
			13	23.34	0.20	21.39	<=34.77	Pass
			25	23.40	0.20	21.45	<=34.77	Pass
		50	0	23.34	0.20	21.39	<=34.77	Pass
16QAM	782	1	0	23.61	0.20	21.66	<=34.77	Pass
			25	23.66	0.20	21.71	<=34.77	Pass
			49	23.34	0.20	21.39	<=34.77	Pass
		25	0	22.24	0.20	20.29	<=34.77	Pass
			13	22.31	0.20	20.36	<=34.77	Pass
			25	22.40	0.20	20.45	<=34.77	Pass
		50	0	22.28	0.20	20.33	<=34.77	Pass
64QAM	782	1	0	22.21	0.20	20.26	<=34.77	Pass

			25	22.07	0.20	20.12	<=34.77	Pass
			49	22.33	0.20	20.38	<=34.77	Pass
		25	0	21.31	0.20	19.36	<=34.77	Pass
			13	21.45	0.20	19.50	<=34.77	Pass
			25	21.25	0.20	19.30	<=34.77	Pass
		50	0	21.27	0.20	19.32	<=34.77	Pass
256QAM	782	1	0	19.45	0.20	17.50	<=34.77	Pass
			25	19.24	0.20	17.29	<=34.77	Pass
			49	19.24	0.20	17.29	<=34.77	Pass
		25	0	19.31	0.20	17.36	<=34.77	Pass
			13	19.36	0.20	17.41	<=34.77	Pass
			25	19.36	0.20	17.41	<=34.77	Pass
		50	0	19.35	0.20	17.40	<=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	782	25	0	20	3.27	-11.849	-0.0152	-2.5 to 2.5	Pass
					3.85	-0.247	-0.0003	-2.5 to 2.5	Pass
					4.43	-3.515	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-4.358	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-3.171	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-3.890	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.839	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-3.100	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-2.897	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-0.802	-0.0010	-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	-6.121	-0.0078	-2.5 to 2.5	Pass
					3.85	-2.402	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-1.785	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.232	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.279	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-1.781	-0.0023	-2.5 to 2.5	Pass
				10	3.85	0.862	0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.382	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.054	-0.0013	-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	4.533	/	Pass
		782	25	0	4.545	/	Pass
		784.5	25	0	4.525	/	Pass
	16QAM	779.5	25	0	4.537	/	Pass
		782	25	0	4.554	/	Pass
		784.5	25	0	4.529	/	Pass
	64QAM	779.5	25	0	4.526	/	Pass
		782	25	0	4.557	/	Pass
		784.5	25	0	4.531	/	Pass
	256QAM	779.5	25	0	4.546	/	Pass
		782	25	0	4.573	/	Pass
		784.5	25	0	4.552	/	Pass
10	QPSK	782	50	0	9.049	/	Pass
	16QAM	782	50	0	9.057	/	Pass
	64QAM	782	50	0	9.061	/	Pass
	256QAM	782	50	0	9.037	/	Pass

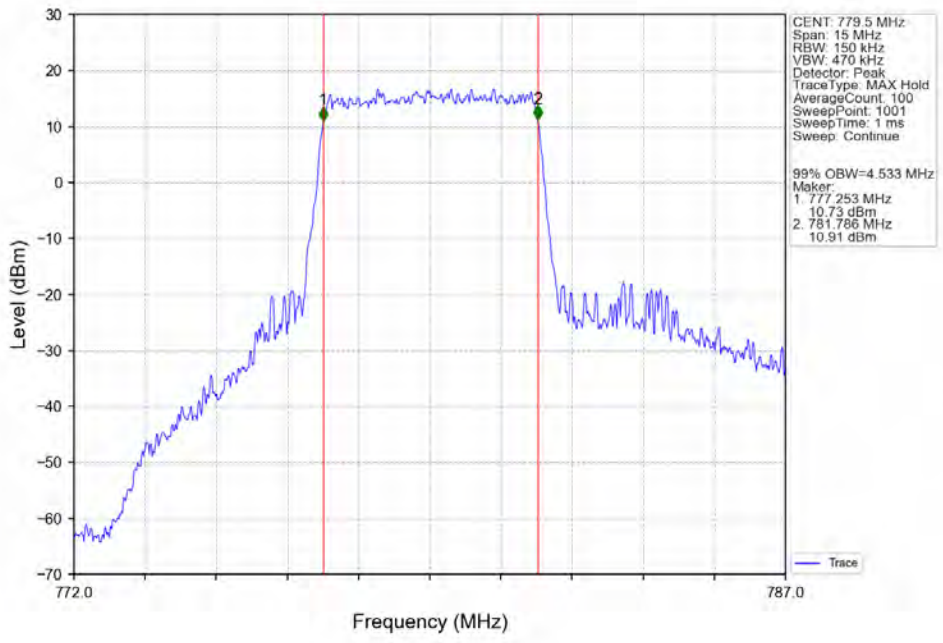
3.1.2 Band13_XDB

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.036	/	Pass
		782	25	0	5.081	/	Pass
		784.5	25	0	5.040	/	Pass
	16QAM	779.5	25	0	5.034	/	Pass
		782	25	0	5.093	/	Pass
		784.5	25	0	5.028	/	Pass
	64QAM	779.5	25	0	5.032	/	Pass
		782	25	0	5.083	/	Pass
		784.5	25	0	5.021	/	Pass
	256QAM	779.5	25	0	5.059	/	Pass
		782	25	0	5.083	/	Pass
		784.5	25	0	5.057	/	Pass
10	QPSK	782	50	0	9.930	/	Pass
	16QAM	782	50	0	9.968	/	Pass
	64QAM	782	50	0	9.936	/	Pass
	256QAM	782	50	0	9.928	/	Pass

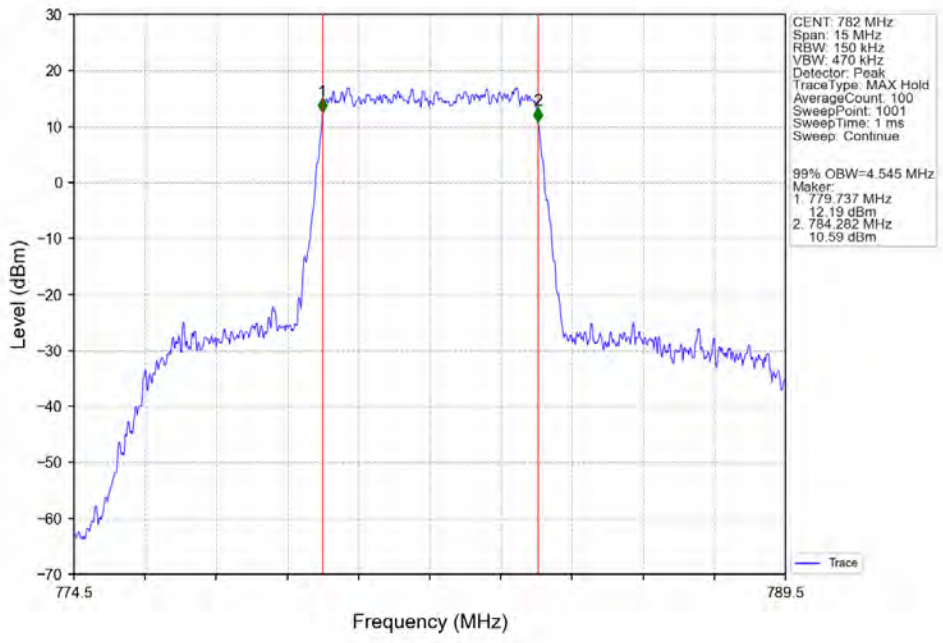
3.2 Test Graph

3.2.1 Band13_OBW

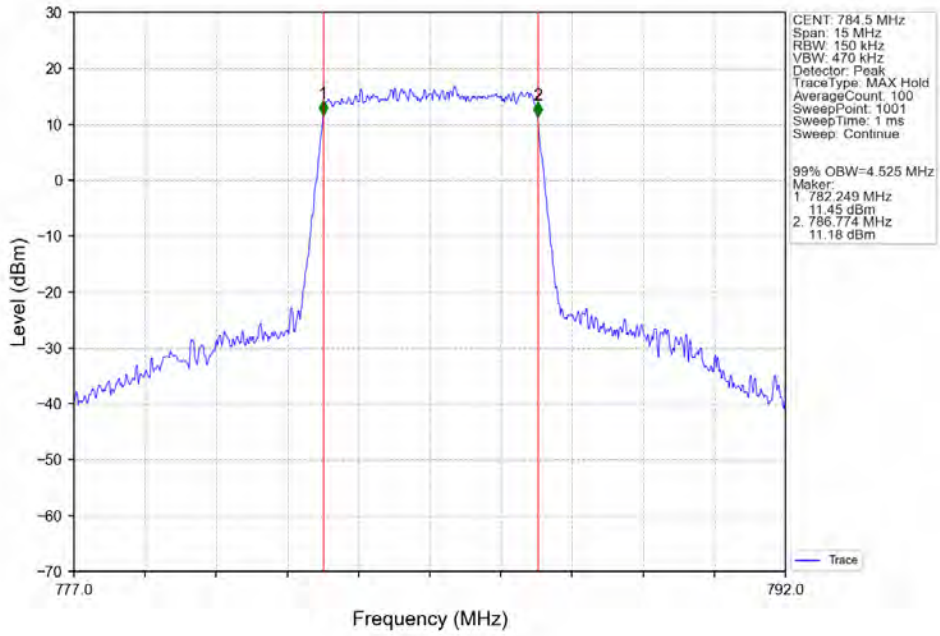
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



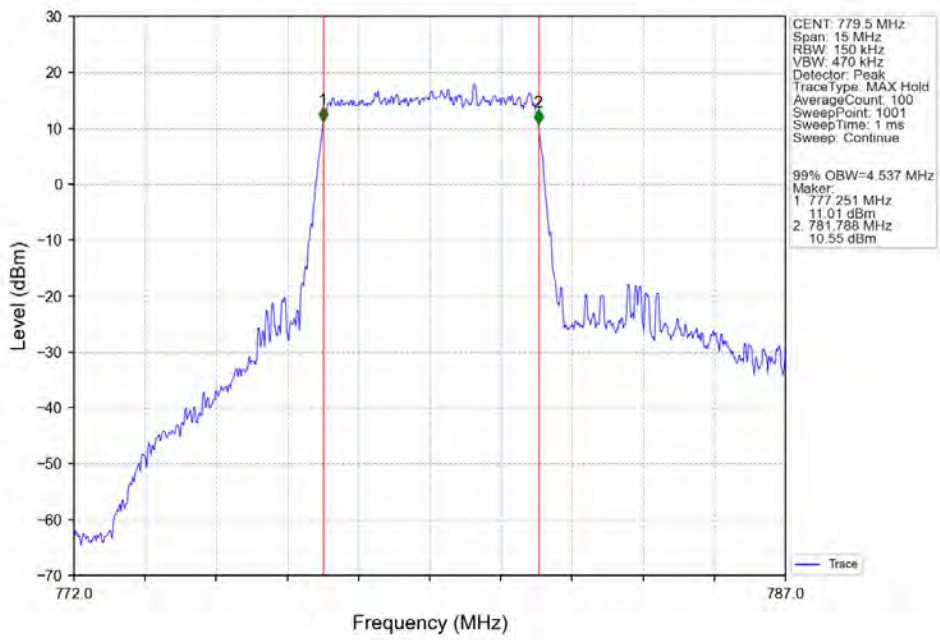
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



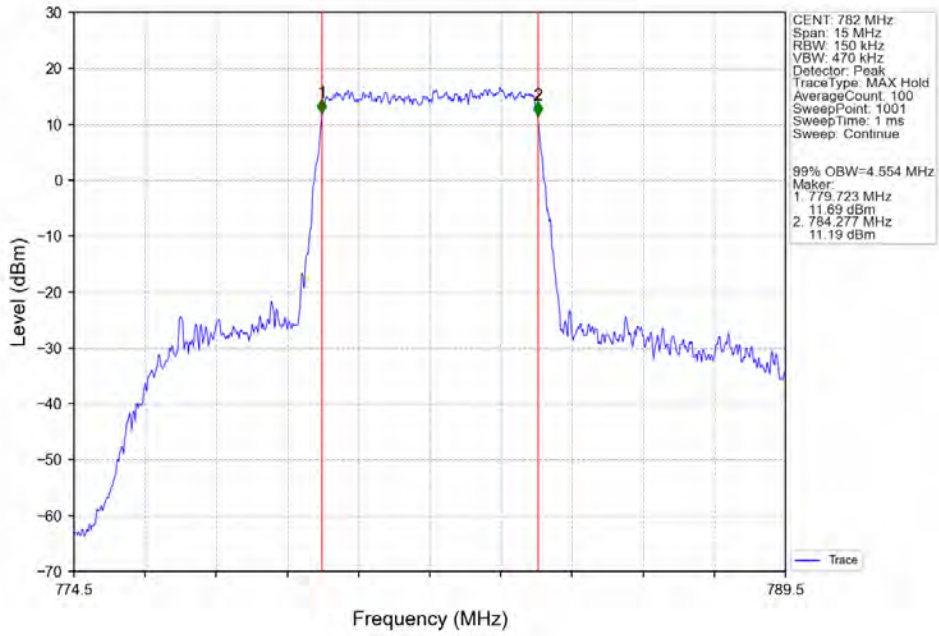
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



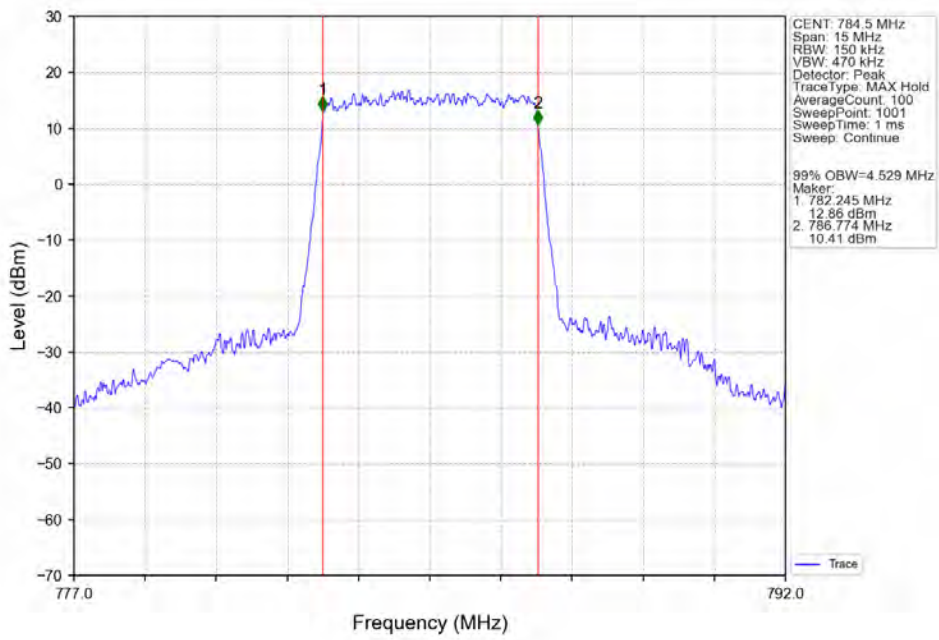
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



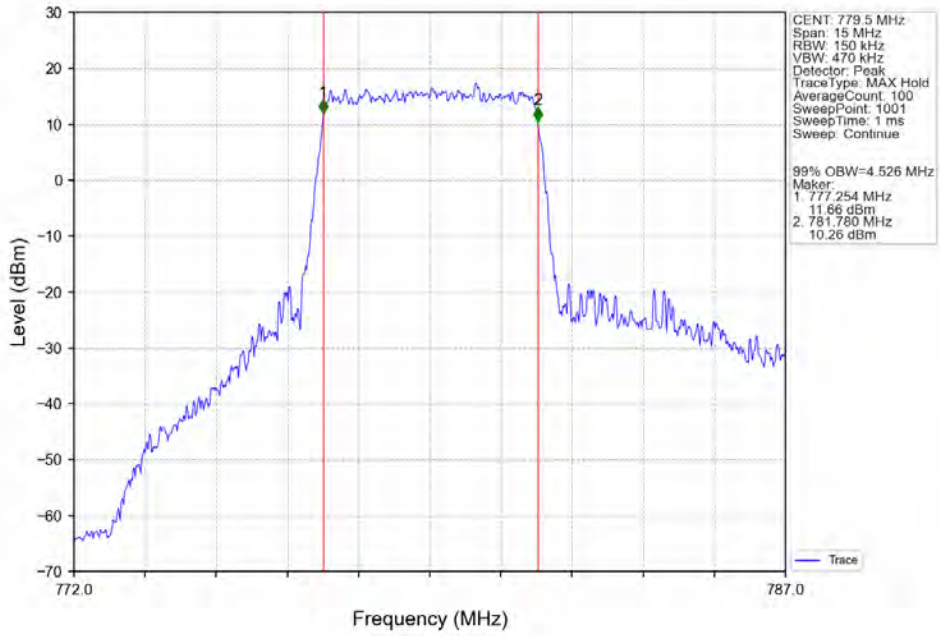
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



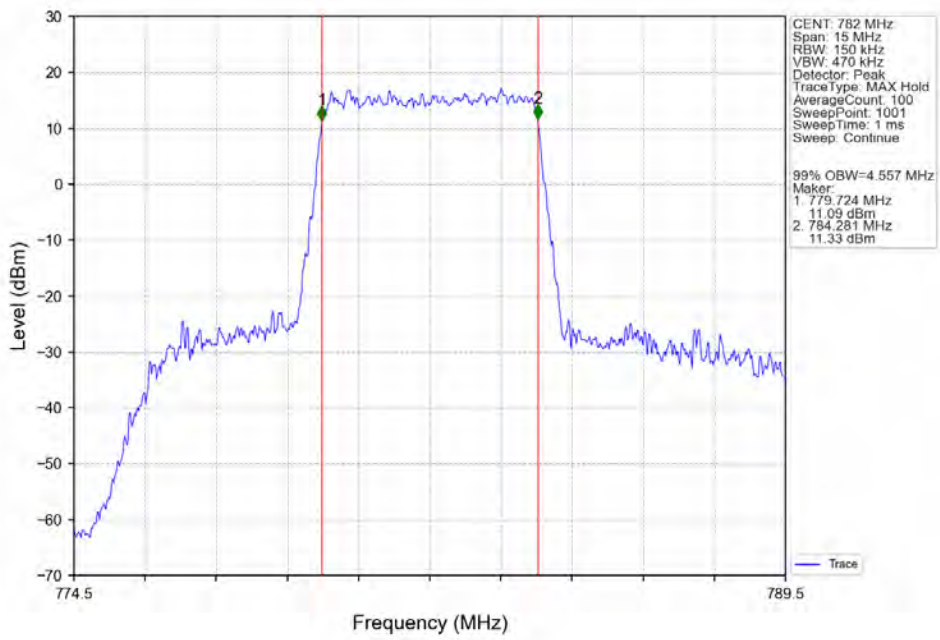
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



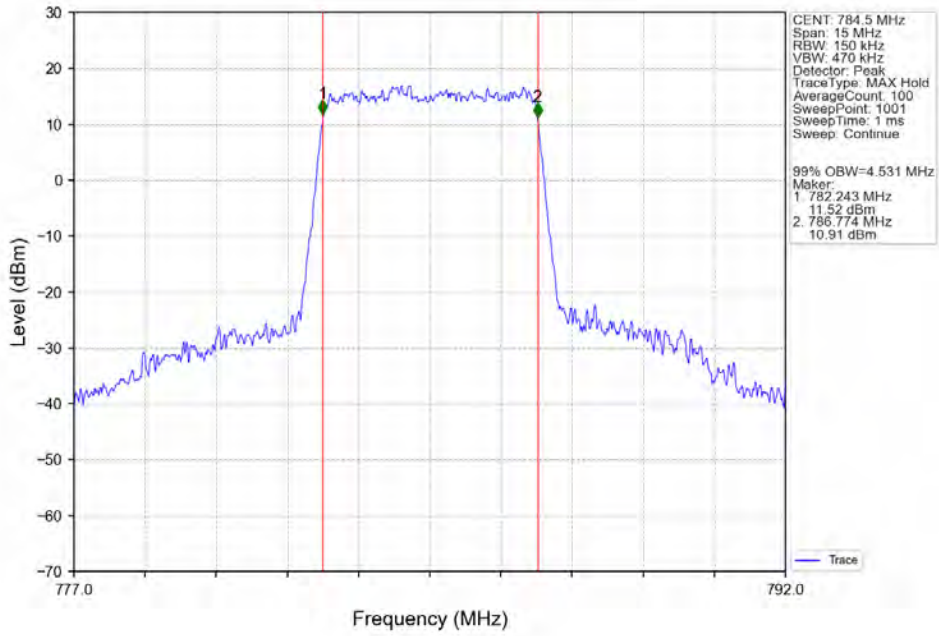
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



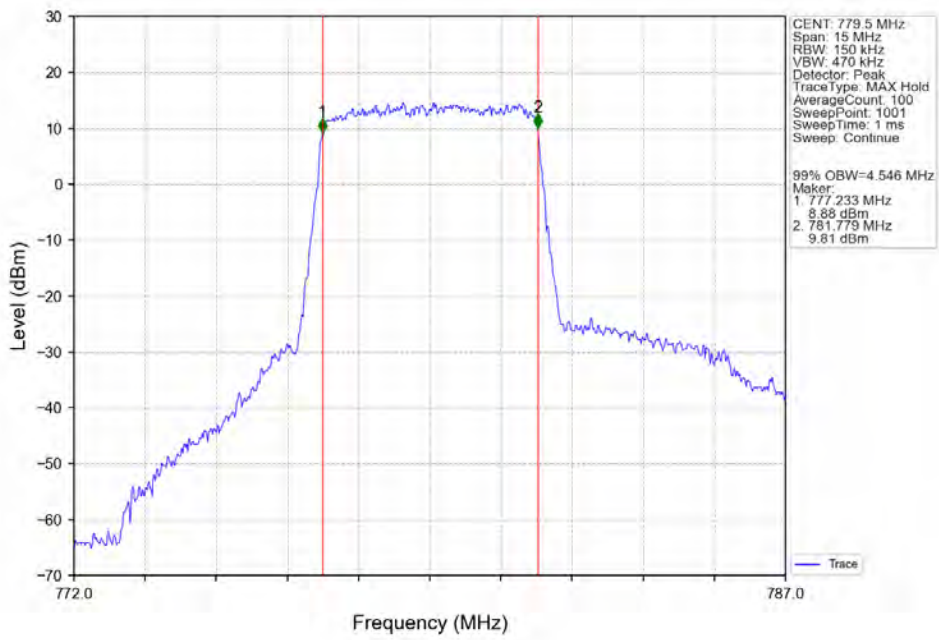
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



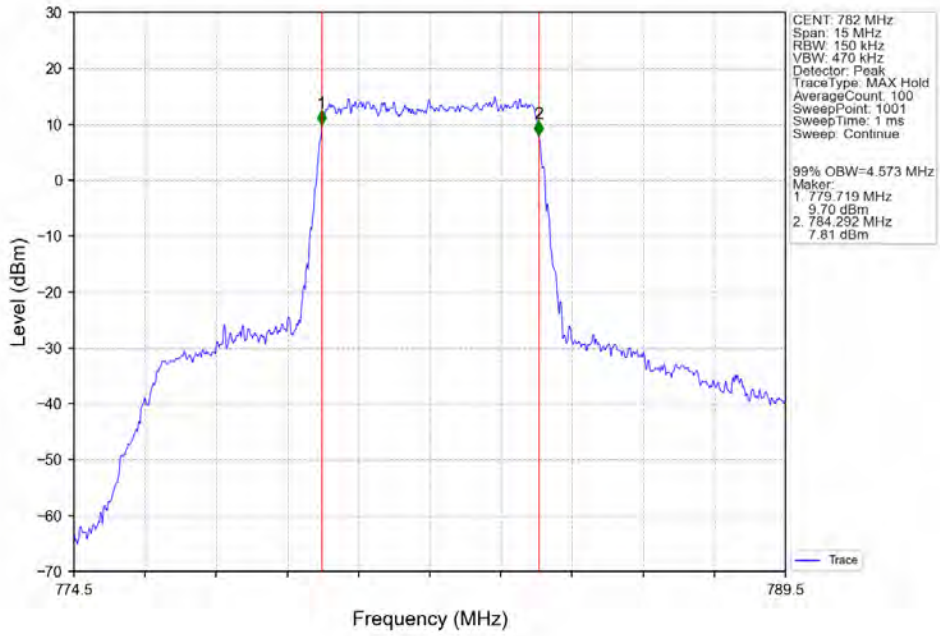
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



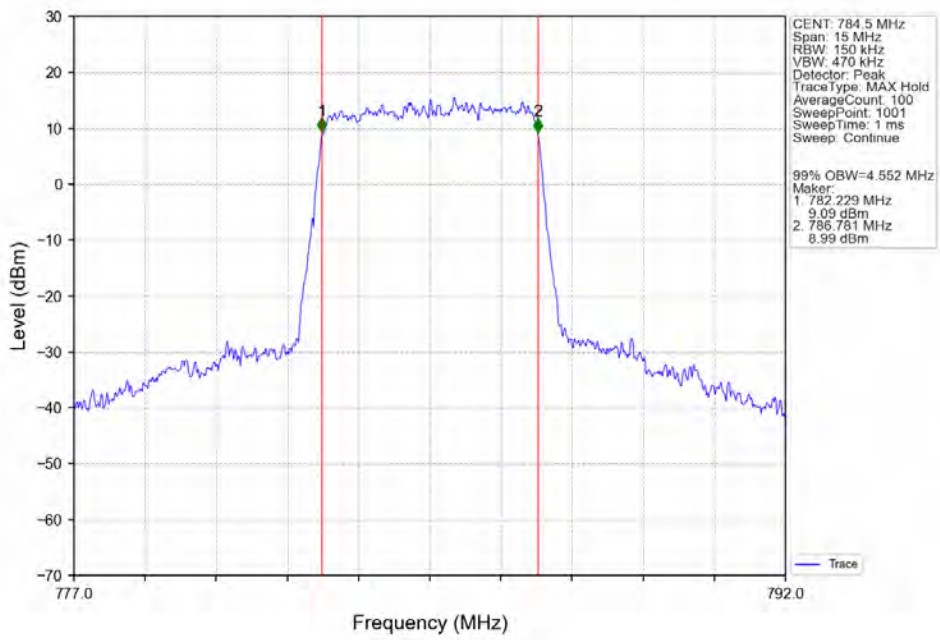
Band13_5MHz_256QAM_LCH_779.5MHz_RB_25_0_NTNV



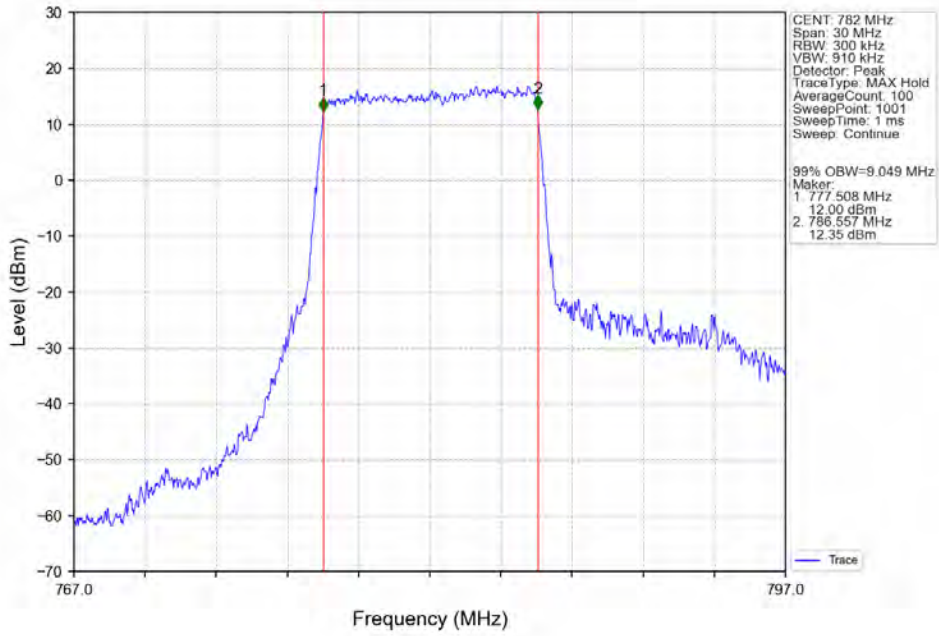
Band13_5MHz_256QAM_MCH_782MHz_RB_25_0_NTNV



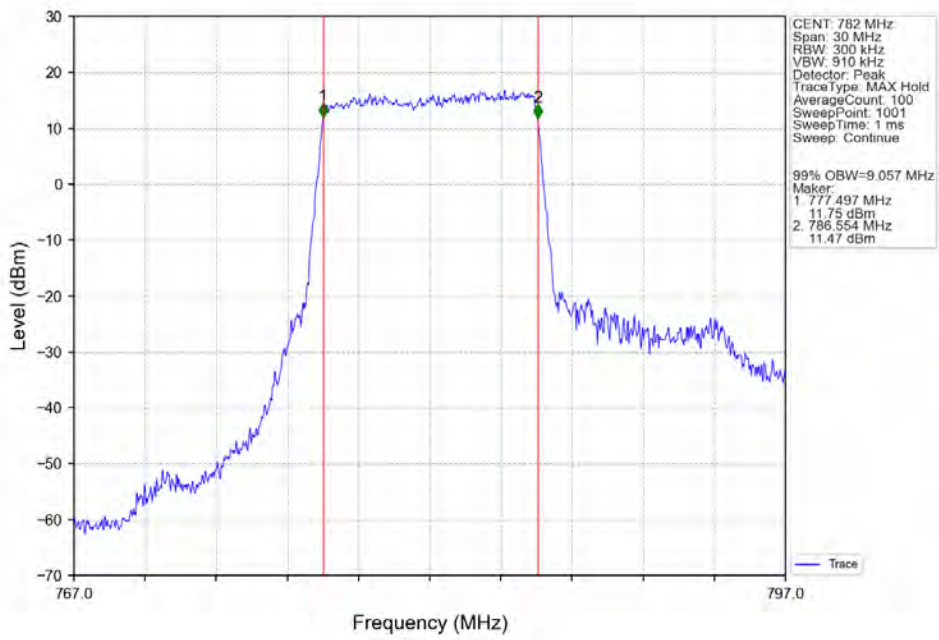
Band13_5MHz_256QAM_HCH_784.5MHz_RB_25_0_NTNV



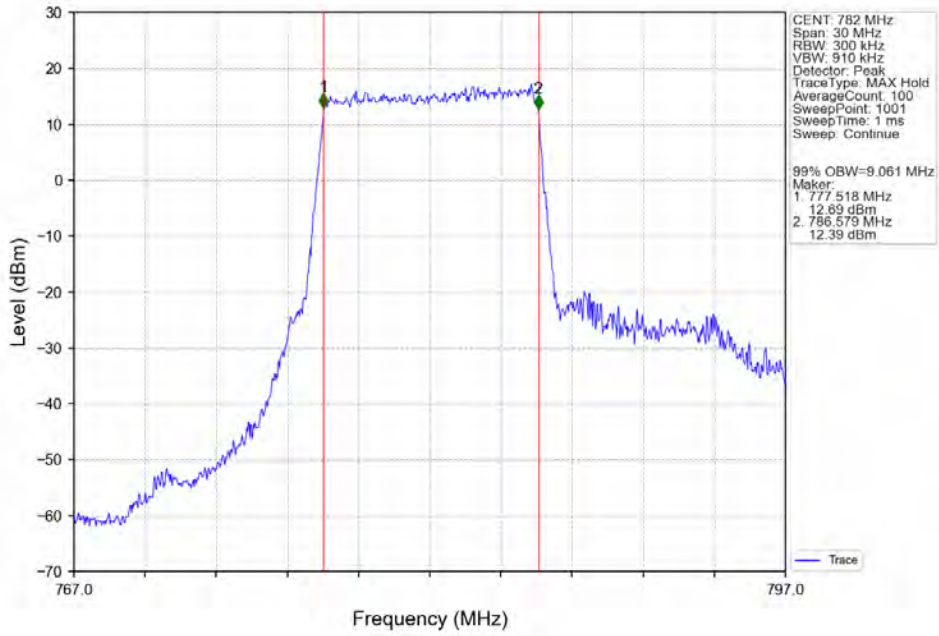
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



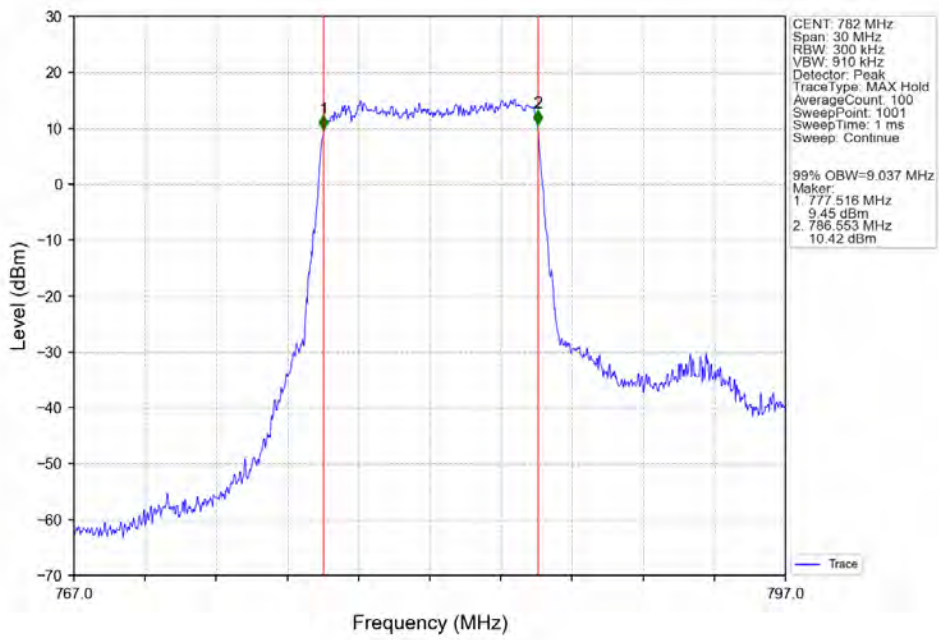
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

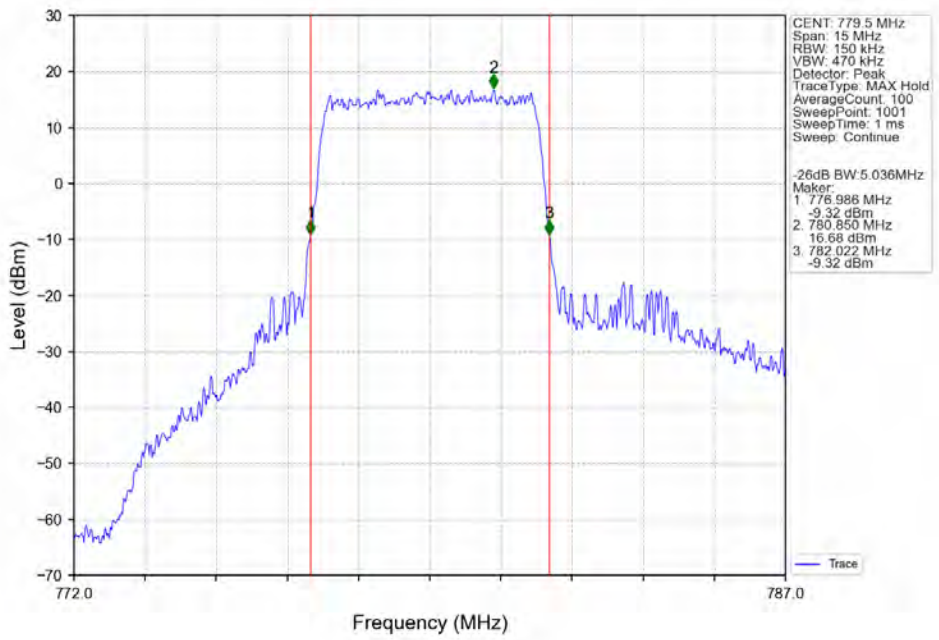


Band13_10MHz_256QAM_MCH_782MHz_RB_50_0_NTNV

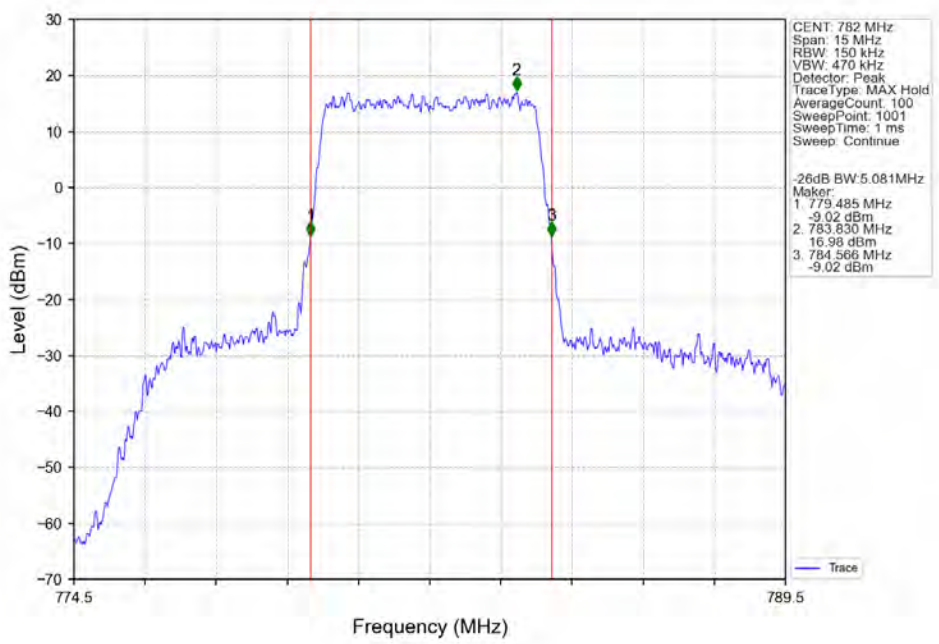


3.2.2 Band13_XDB

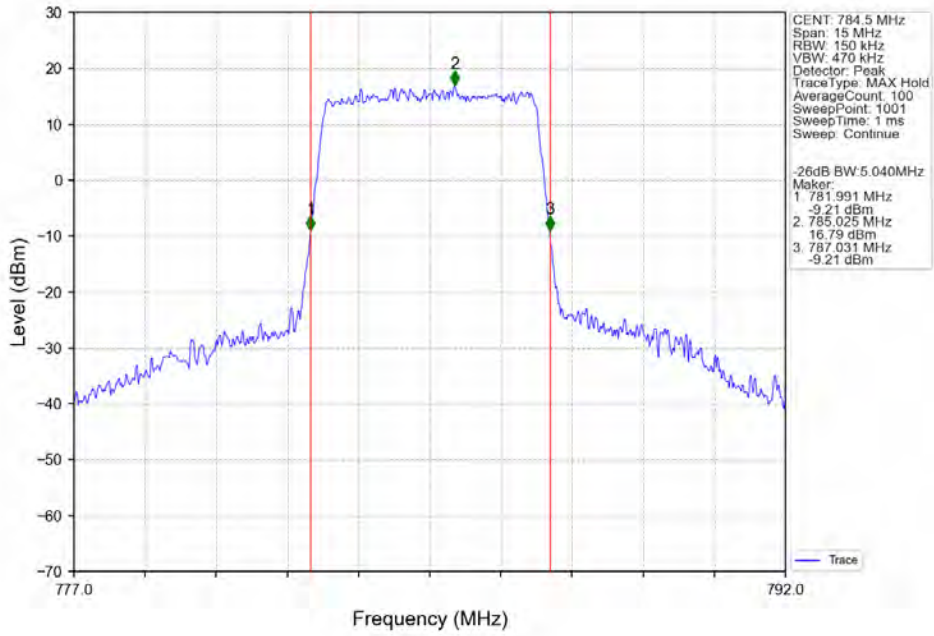
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



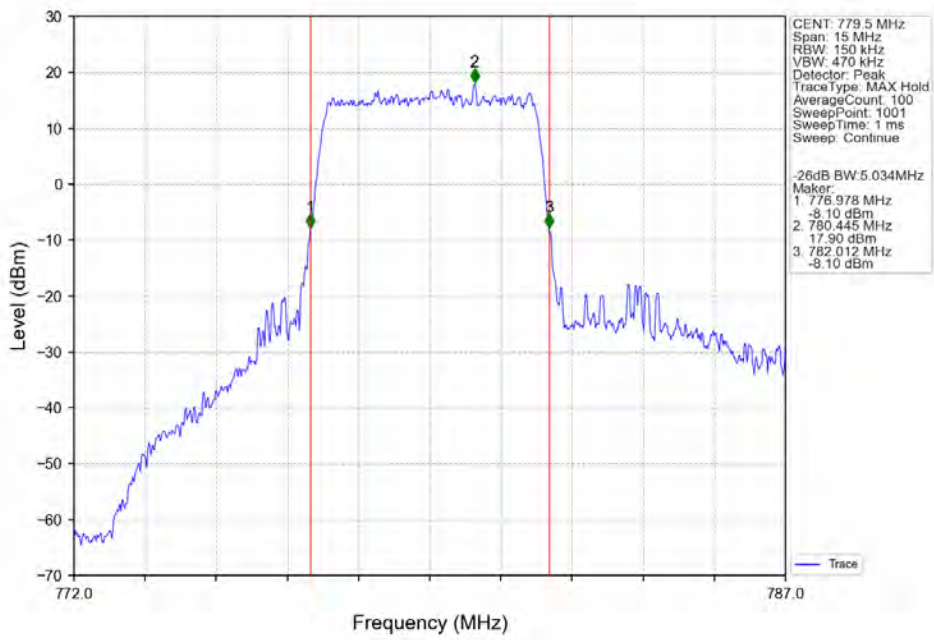
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



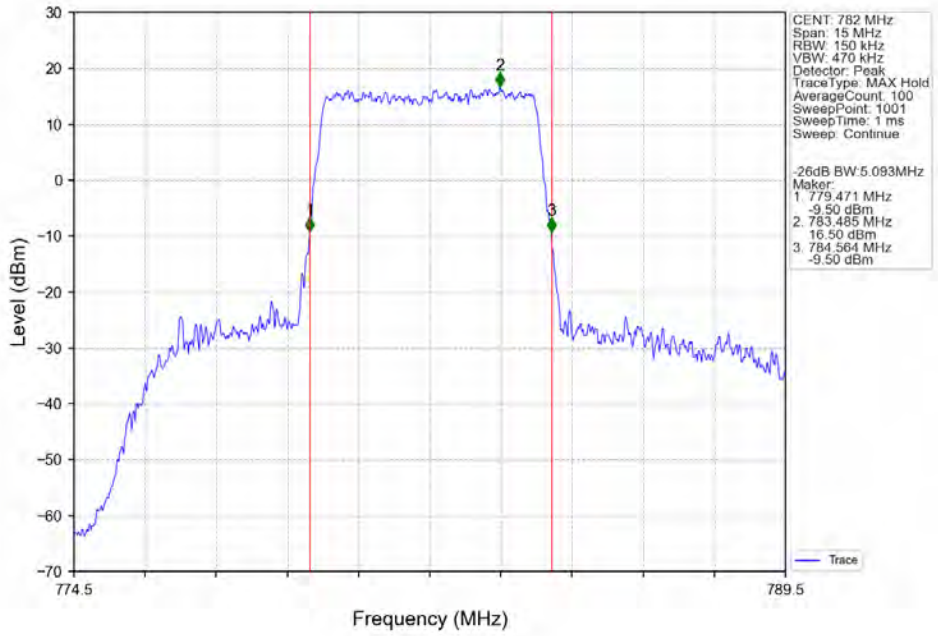
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



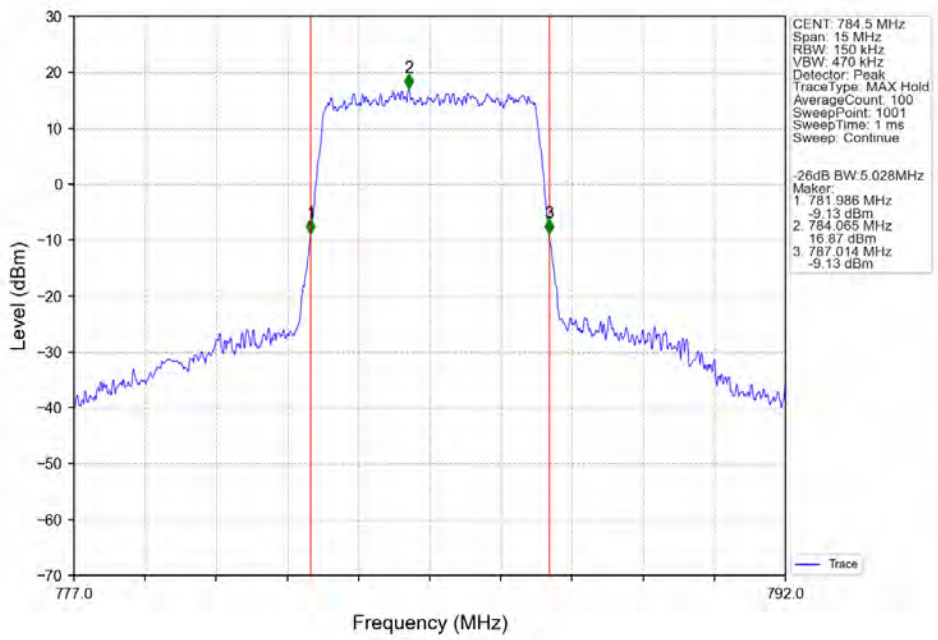
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



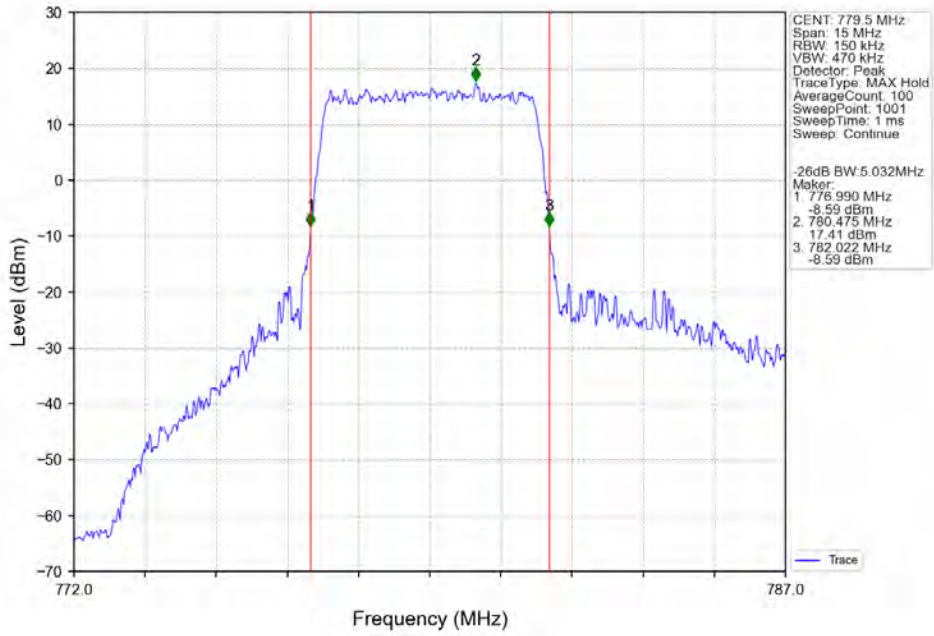
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



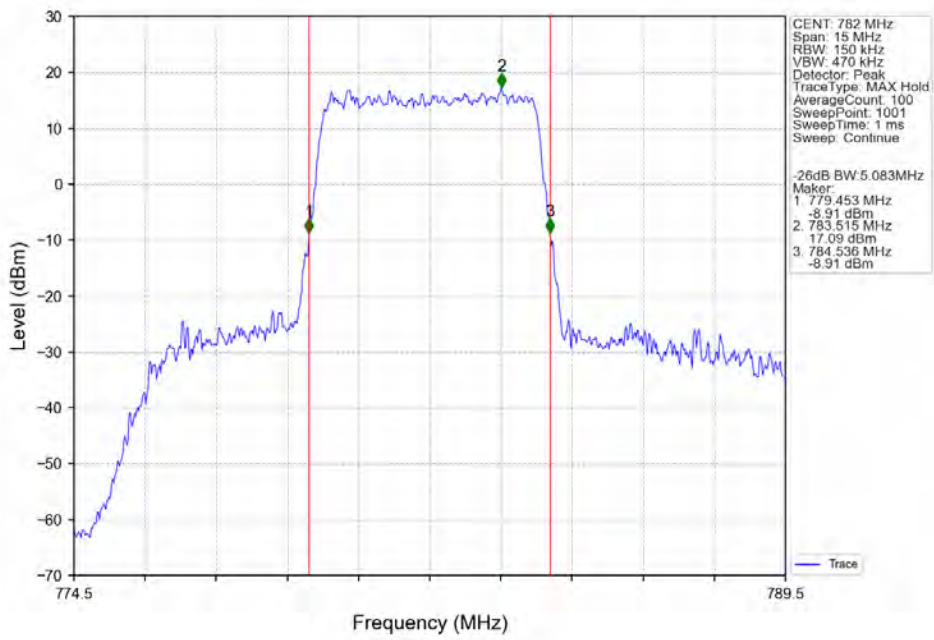
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



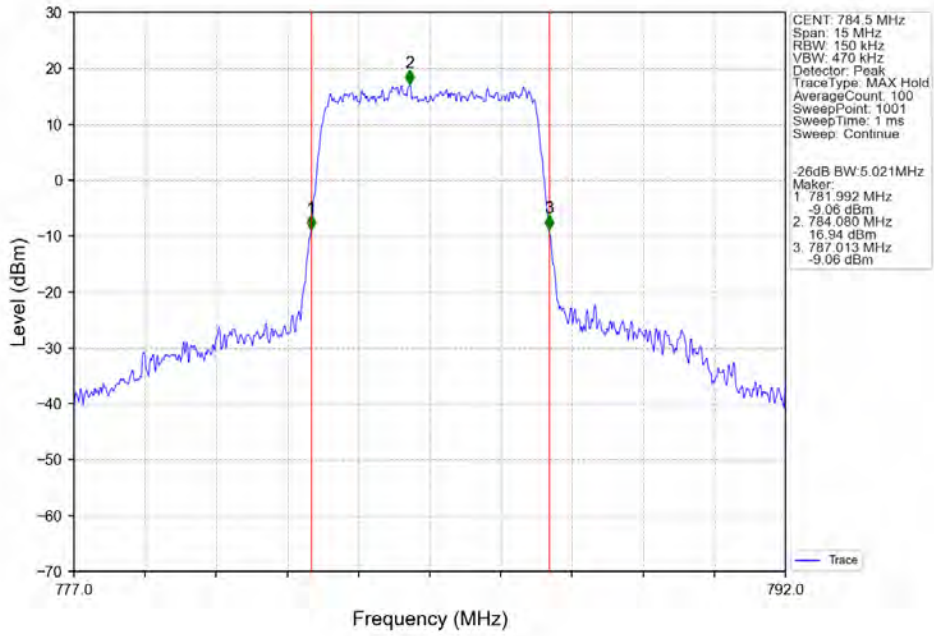
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



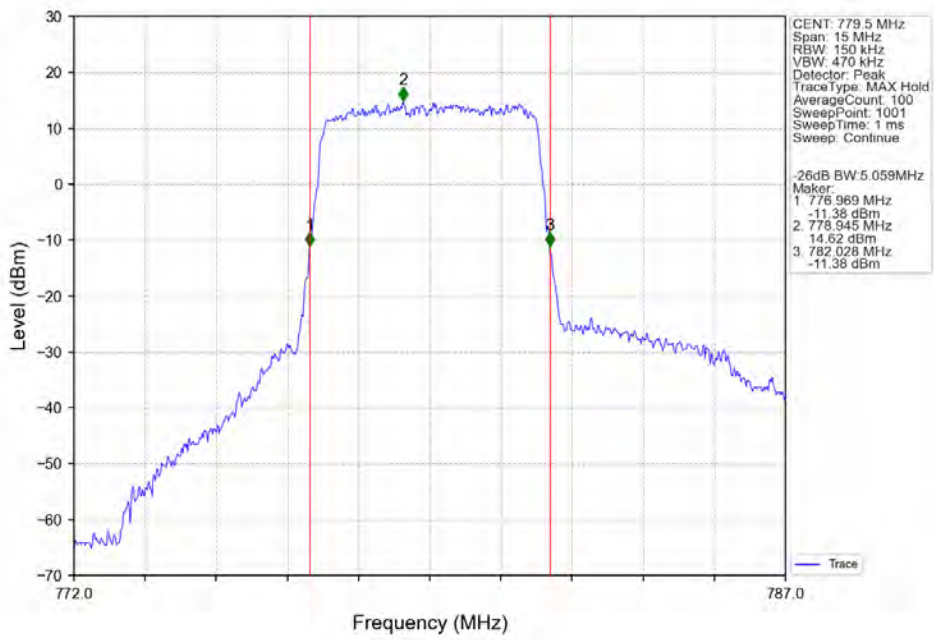
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



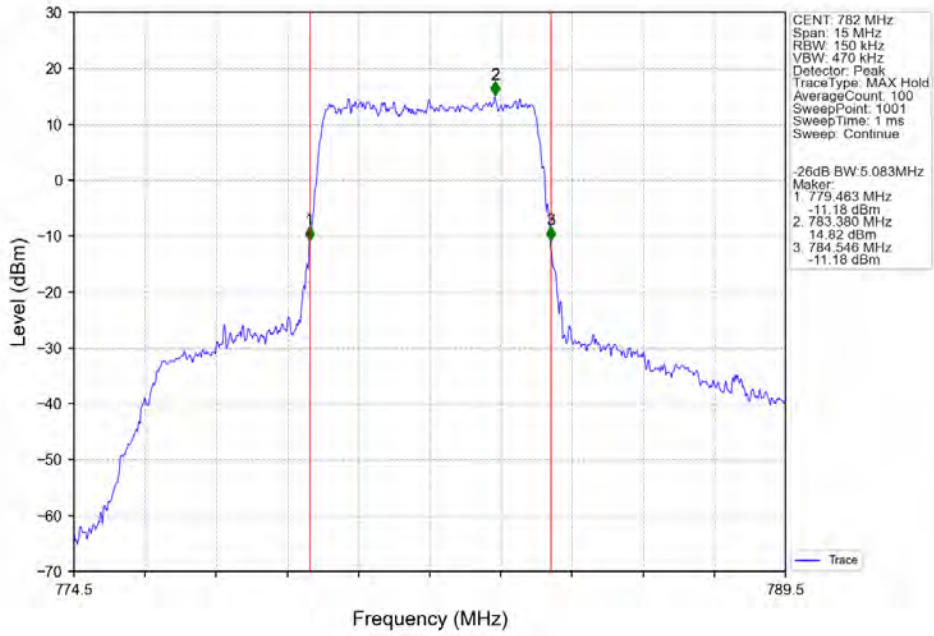
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



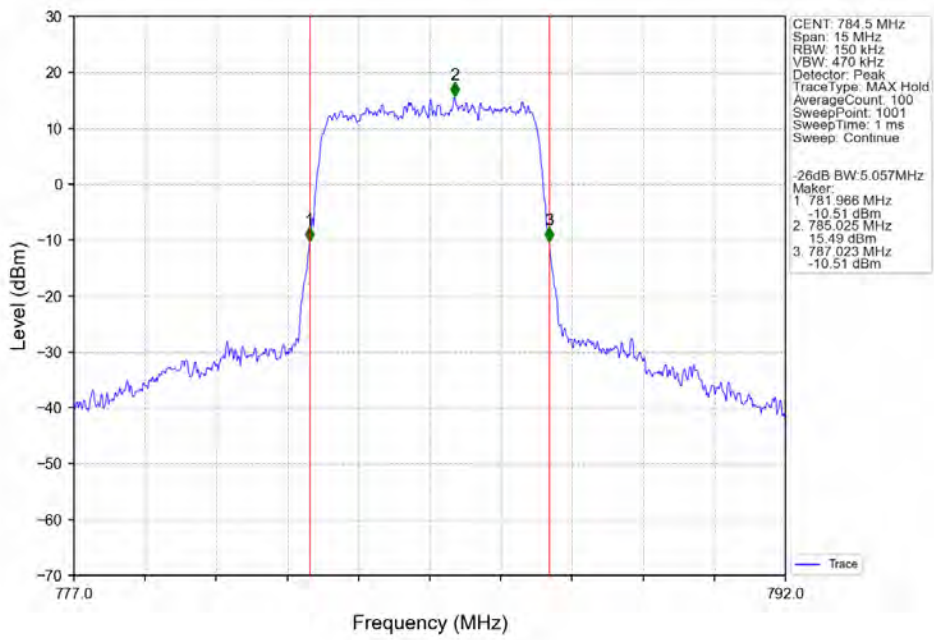
Band13_5MHz_256QAM_LCH_779.5MHz_RB_25_0_NTNV



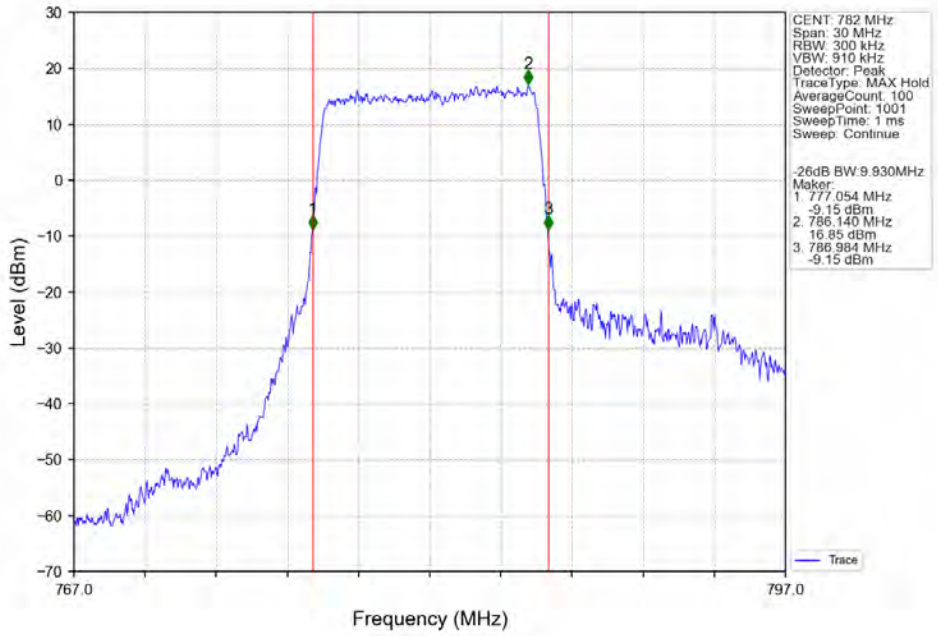
Band13_5MHz_256QAM_MCH_782MHz_RB_25_0_NTNV



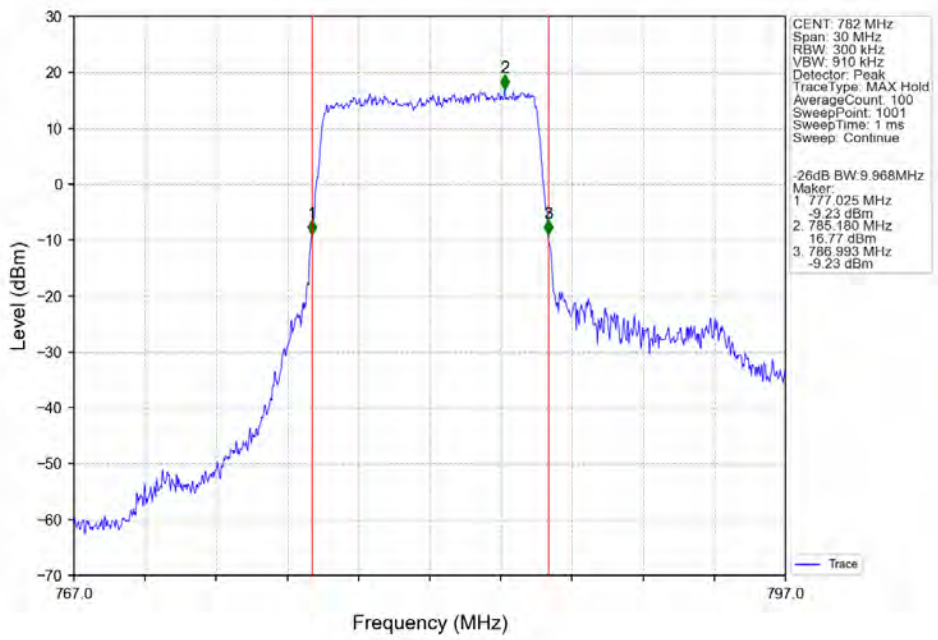
Band13_5MHz_256QAM_HCH_784.5MHz_RB_25_0_NTNV



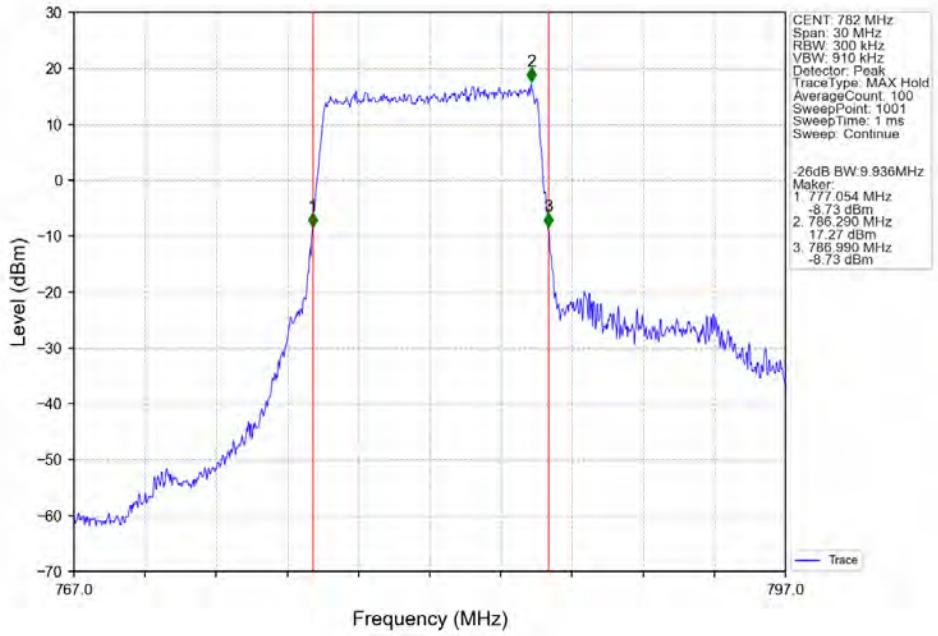
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



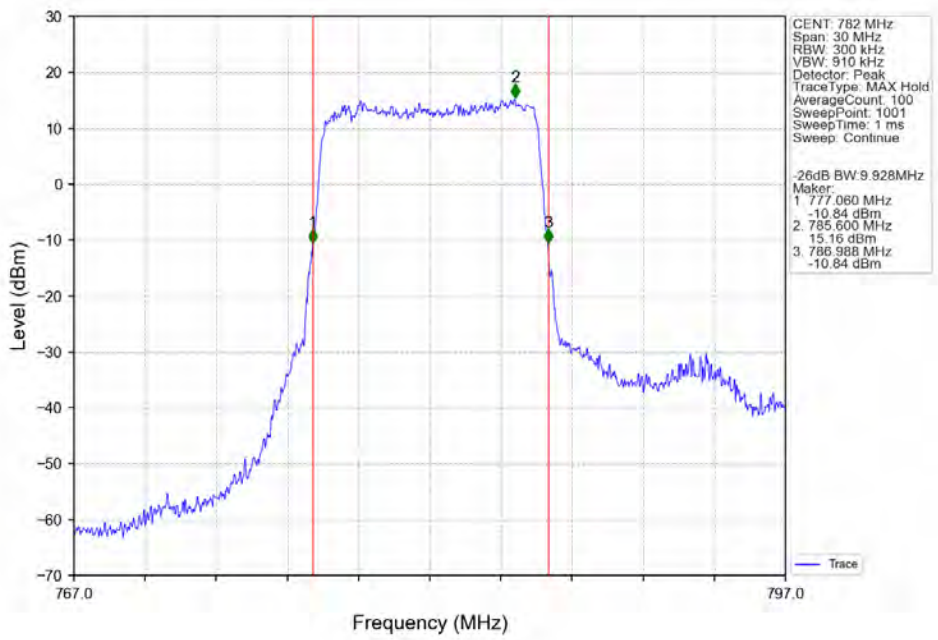
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_256QAM_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	3.57	<=13	Pass
	782	25	0	3.59	<=13	Pass
	784.5	25	0	3.57	<=13	Pass
16QAM	779.5	25	0	3.56	<=13	Pass
	782	25	0	3.59	<=13	Pass
	784.5	25	0	3.57	<=13	Pass
64QAM	779.5	25	0	3.57	<=13	Pass
	782	25	0	3.60	<=13	Pass
	784.5	25	0	3.57	<=13	Pass
256QAM	779.5	25	0	3.98	<=13	Pass
	782	25	0	4.03	<=13	Pass
	784.5	25	0	4.00	<=13	Pass

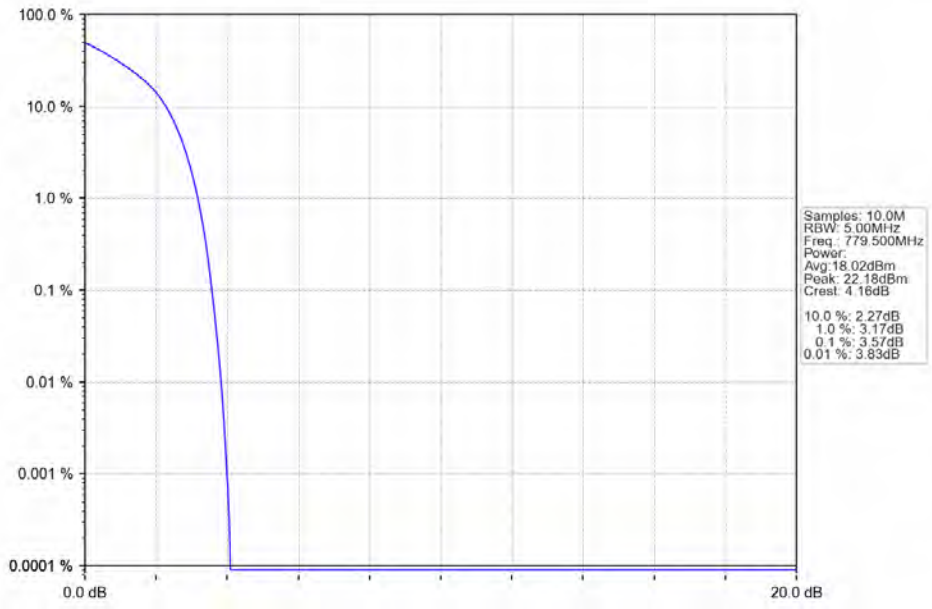
4.1.2 B13_10MHz

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	4.23	<=13	Pass
16QAM	782	50	0	4.23	<=13	Pass
64QAM	782	50	0	4.23	<=13	Pass
256QAM	782	50	0	4.52	<=13	Pass

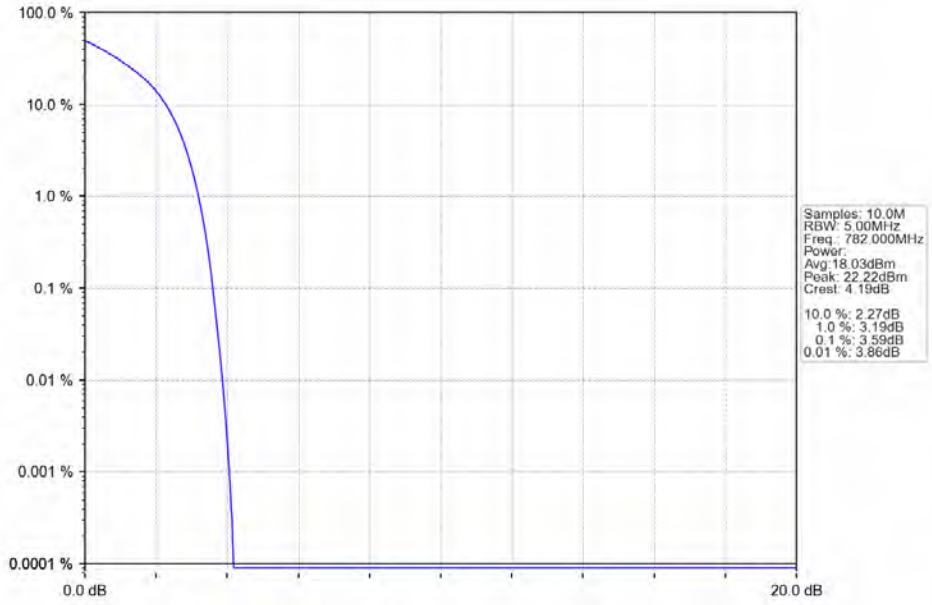
4.2 Test Graph

4.2.1 B13_5MHz

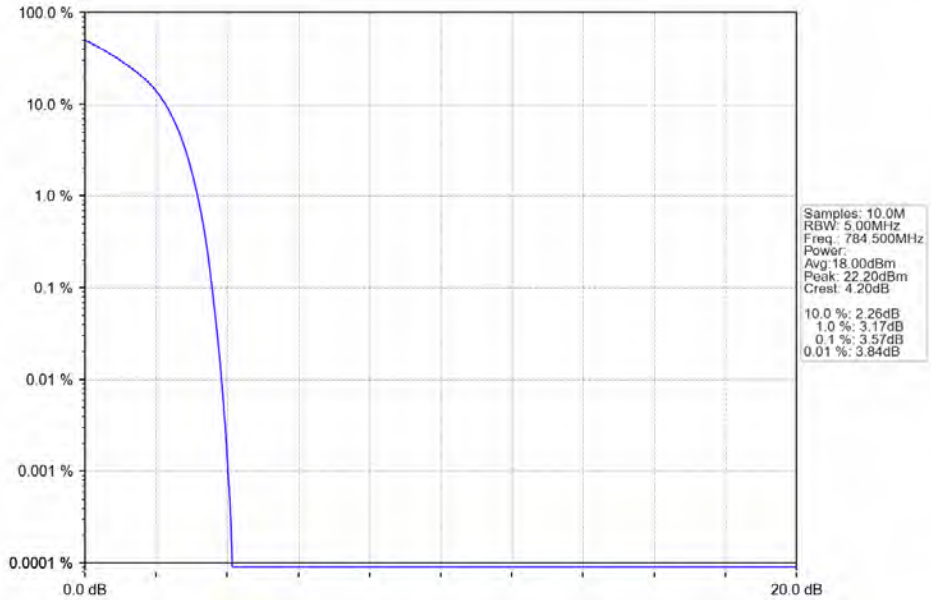
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



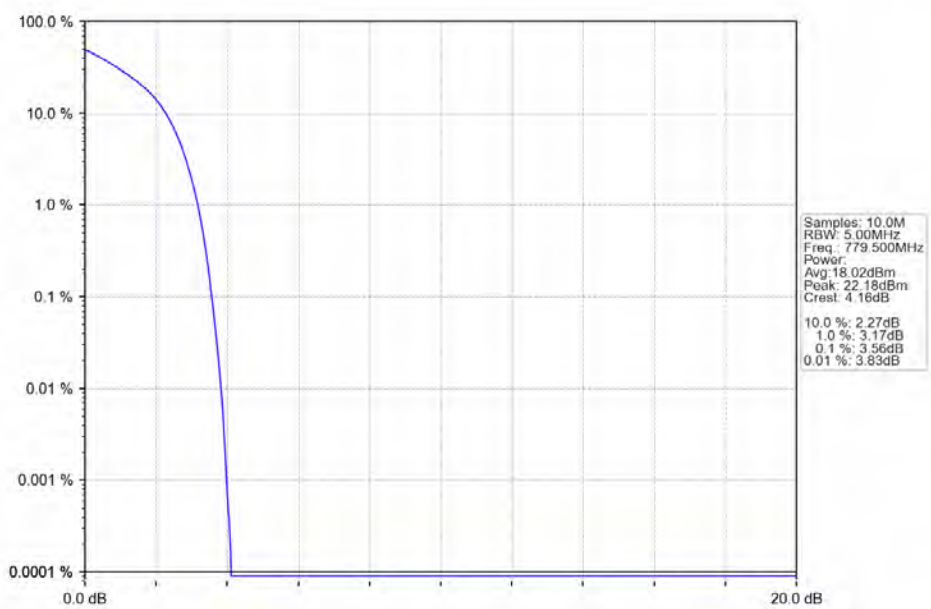
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



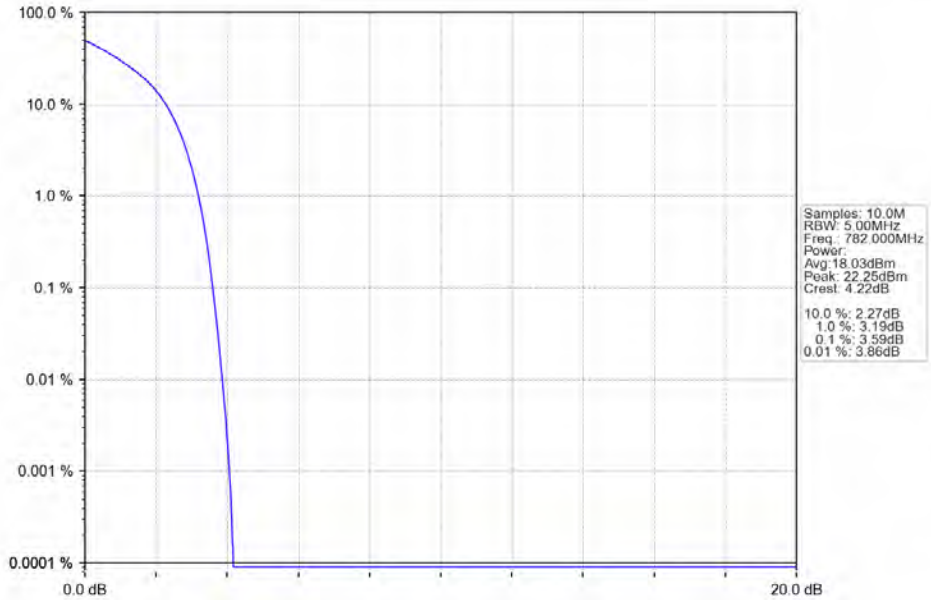
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



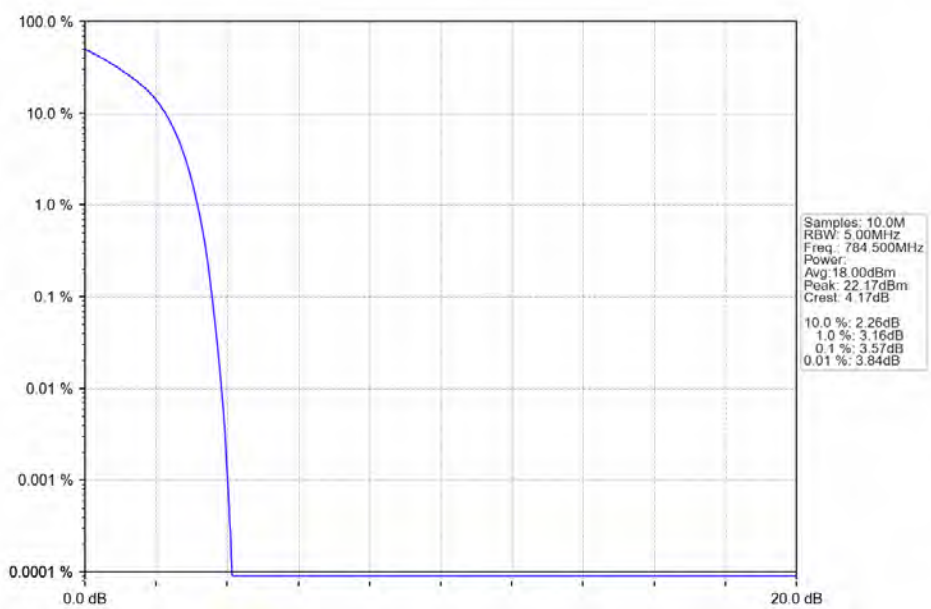
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



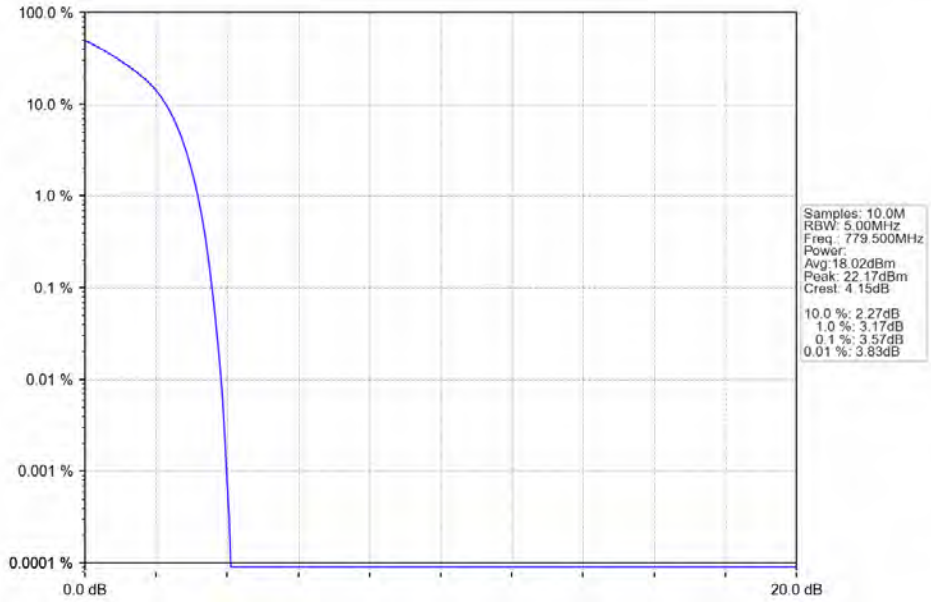
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



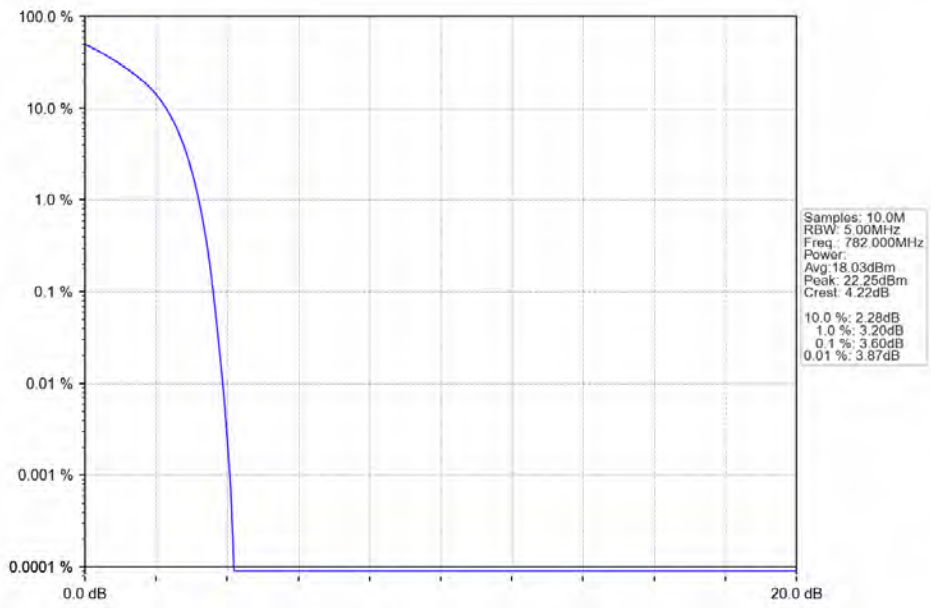
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



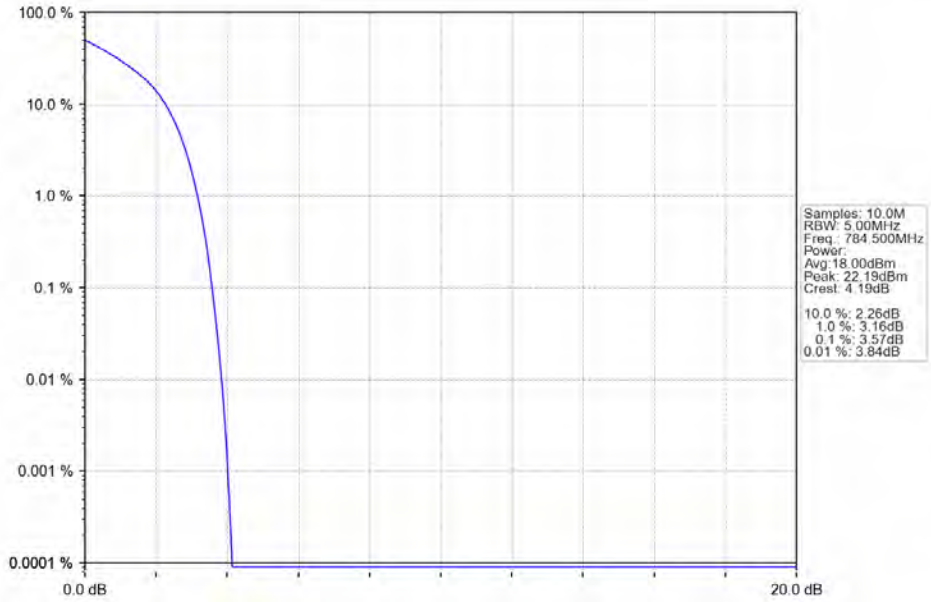
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



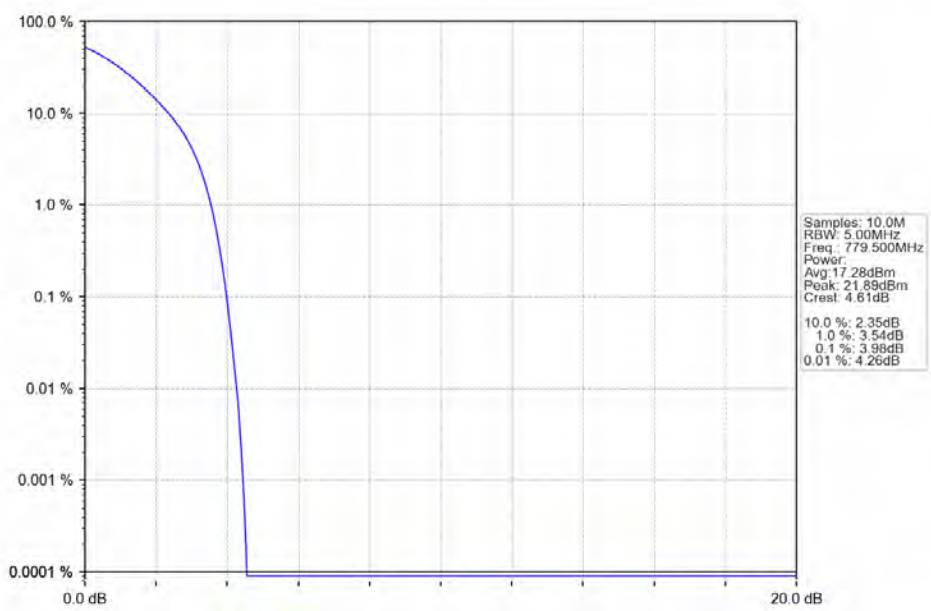
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



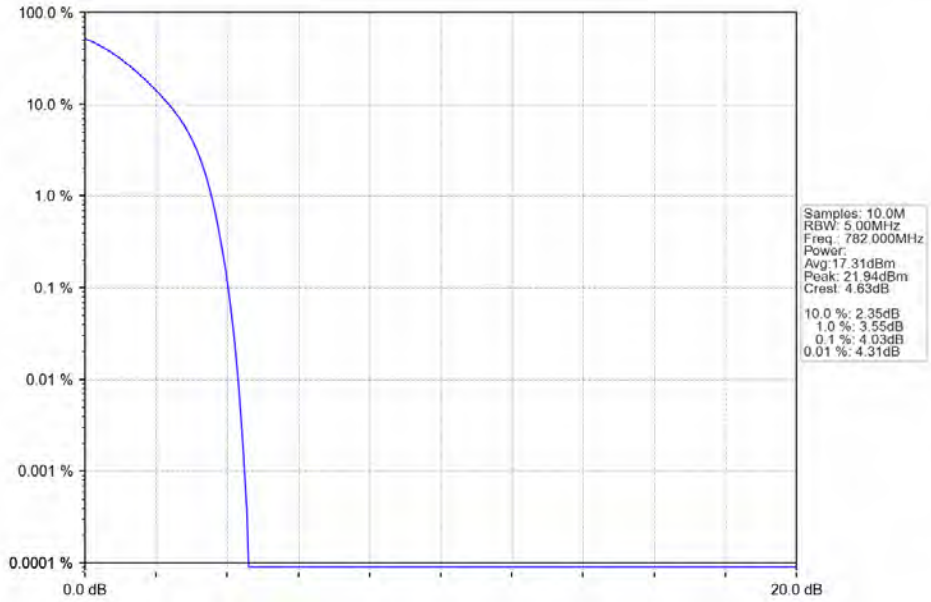
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



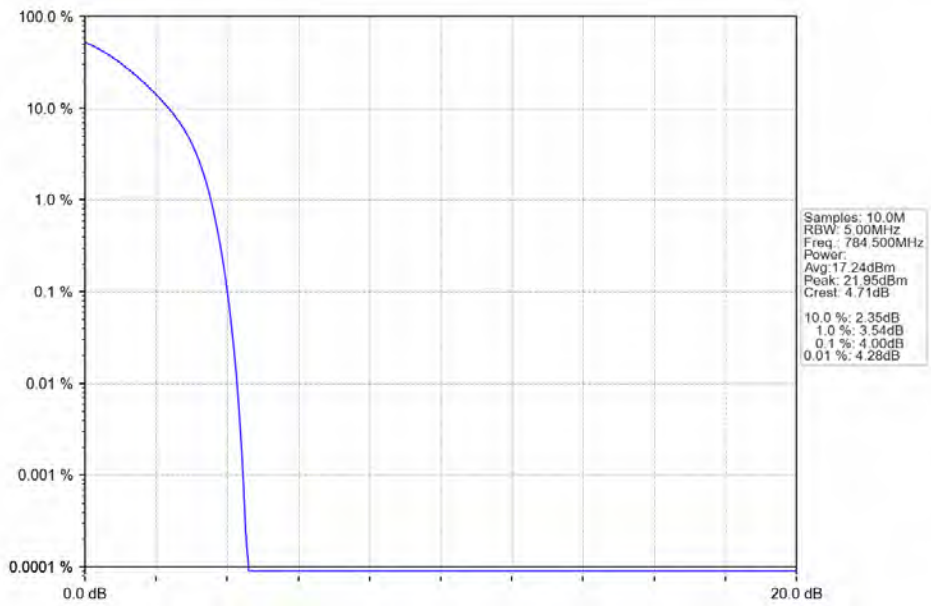
Band13_5MHz_256QAM_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_256QAM_MCH_782MHz_RB_25_0_NTNV

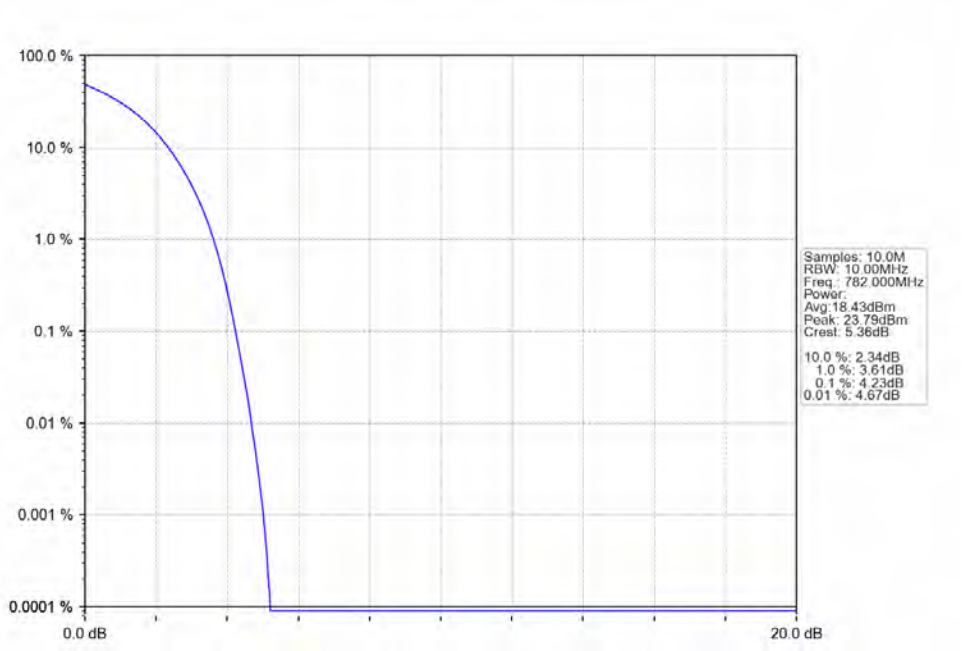


Band13_5MHz_256QAM_HCH_784.5MHz_RB_25_0_NTNV

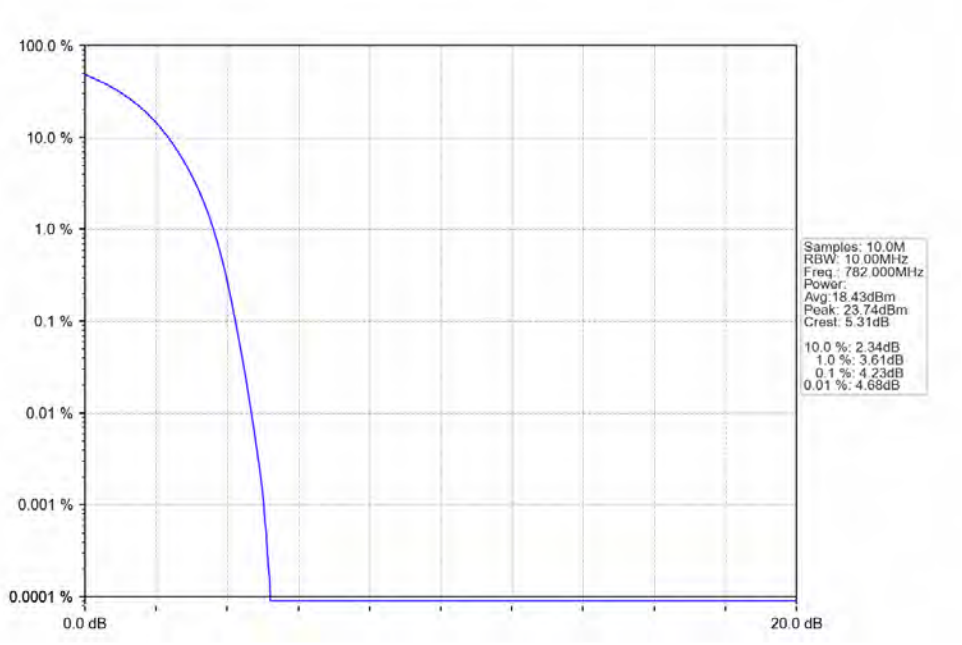


4.2.2 B13_10MHz

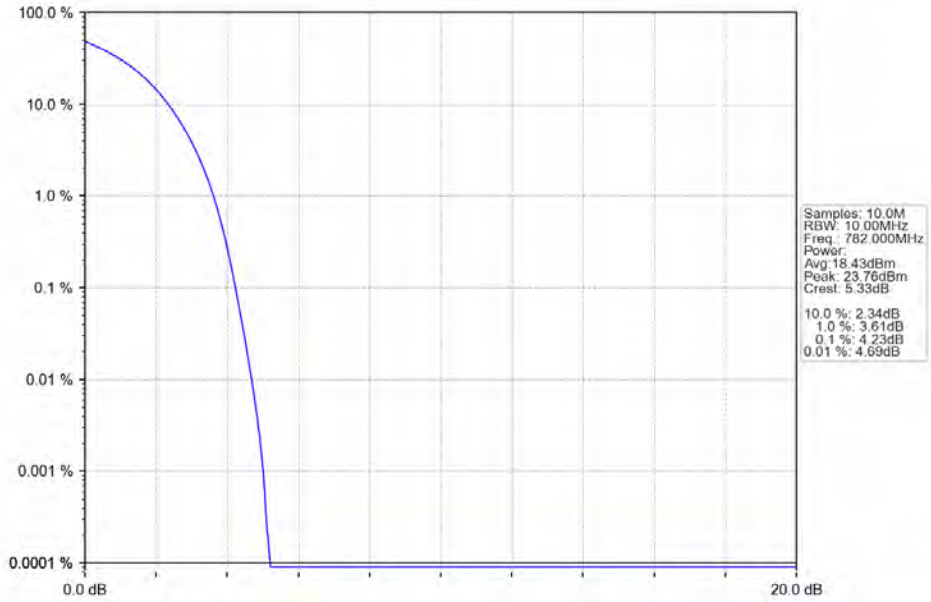
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



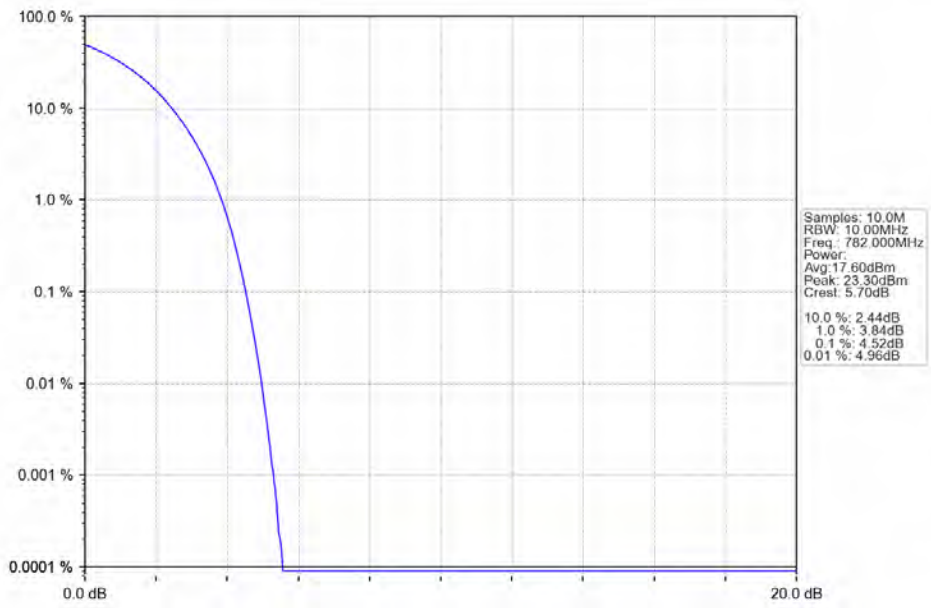
Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_256QAM_MCH_782MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 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
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
256QAM	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

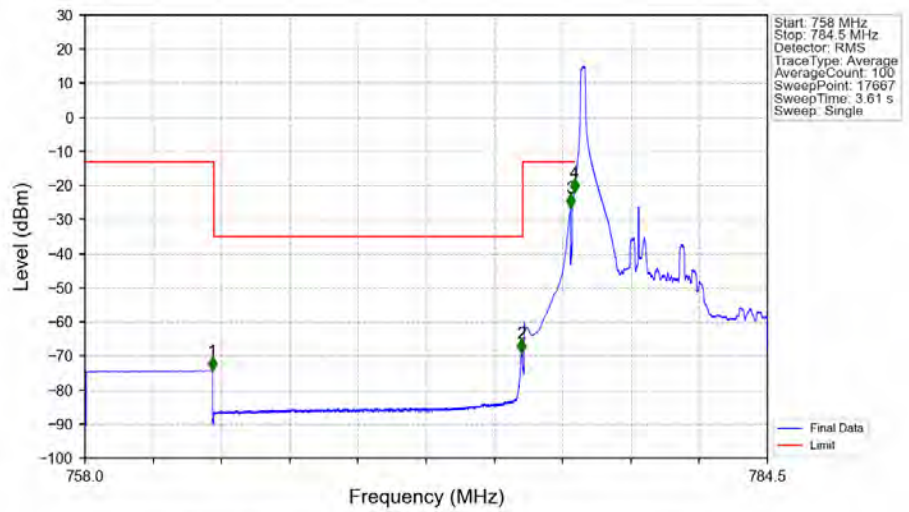
Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	782	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
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
256QAM	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

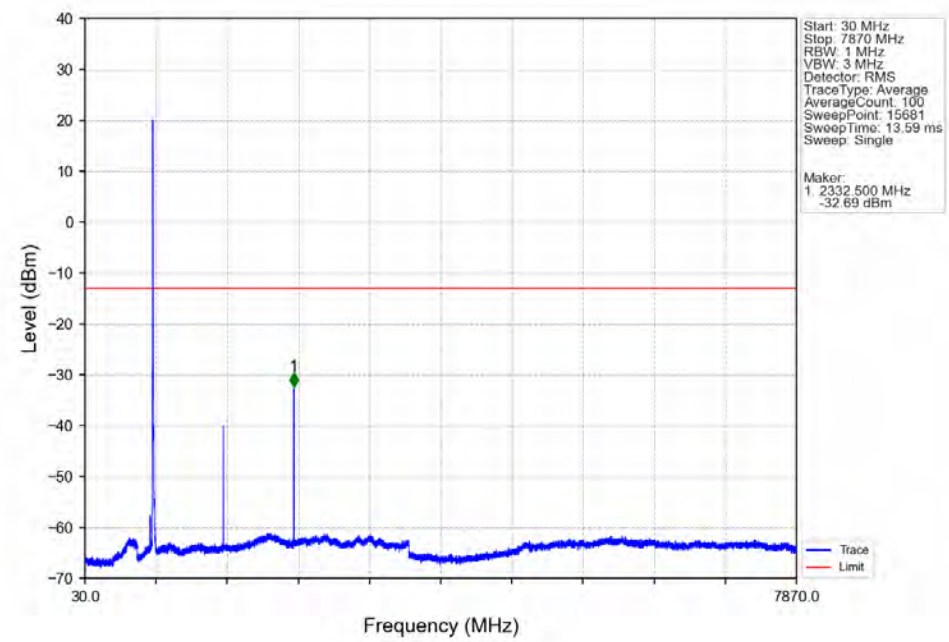
5.2.1 B13_5MHz

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

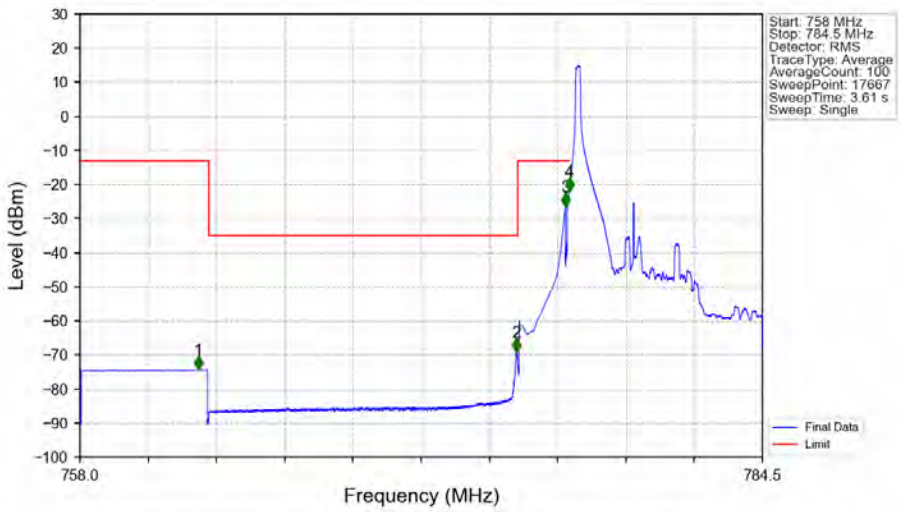


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.937	-74.30	-13	Pass
763	775	0.00625	CHP	2	774.955	-69.21	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.64	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.99	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

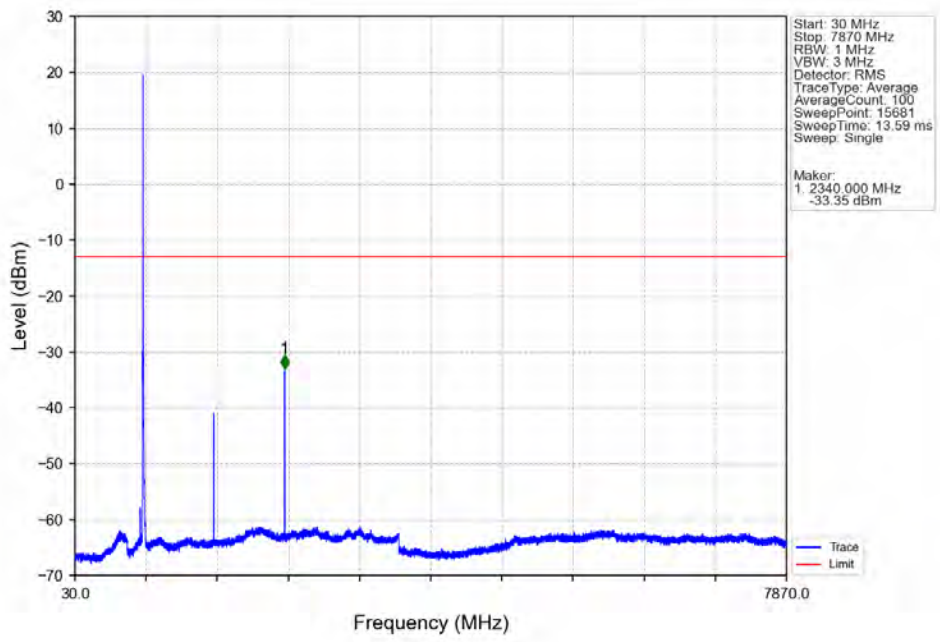


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

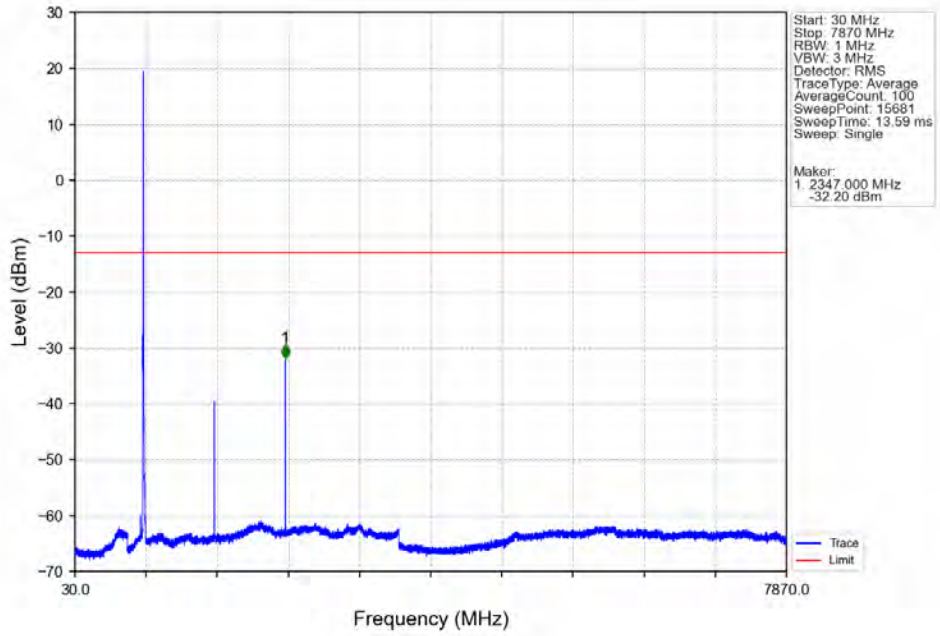


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.592	-74.30	-13	Pass
763	775	0.00625	CHP	2	774.954	-69.06	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.46	-13	Pass
776.9	777	0.03	CHP	4	777.000	-22.00	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

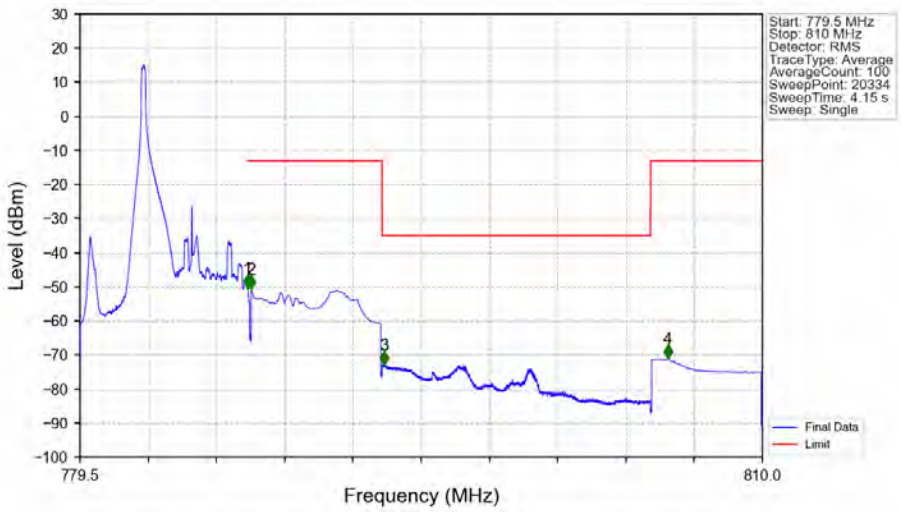
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

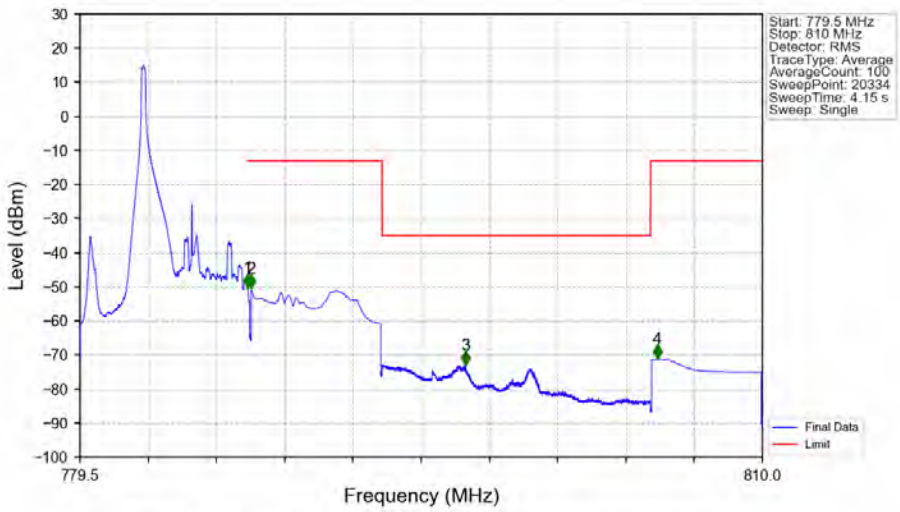


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



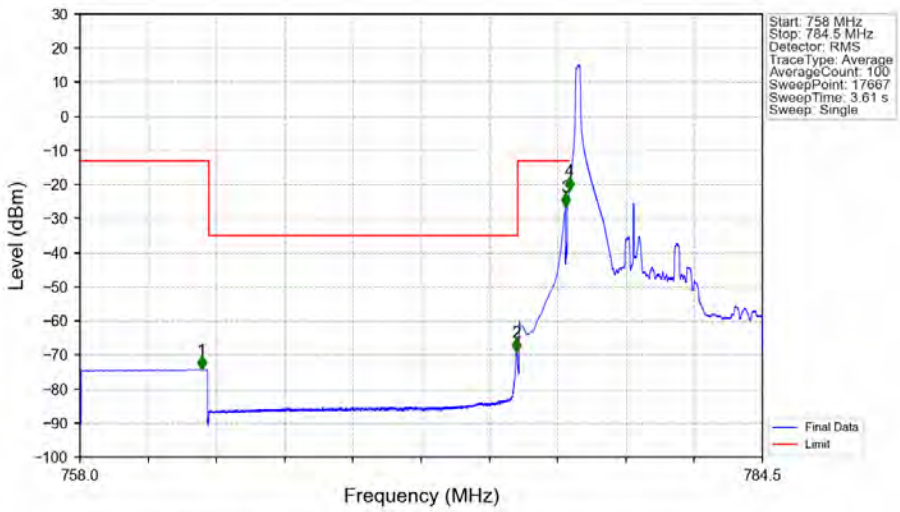
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.35	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.57	-13	Pass
793	805	0.00625	CHP	3	793.101	-72.88	-35	Pass
805	810	0.1	CHP	4	805.776	-71.13	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



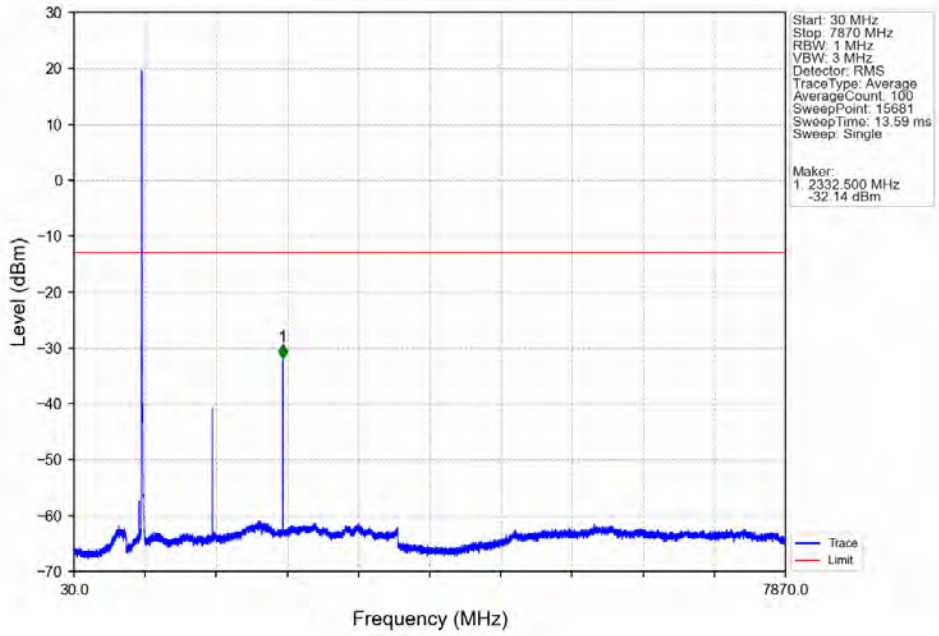
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.17	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.52	-13	Pass
793	805	0.00625	CHP	3	796.734	-72.83	-35	Pass
805	810	0.1	CHP	4	805.312	-71.15	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

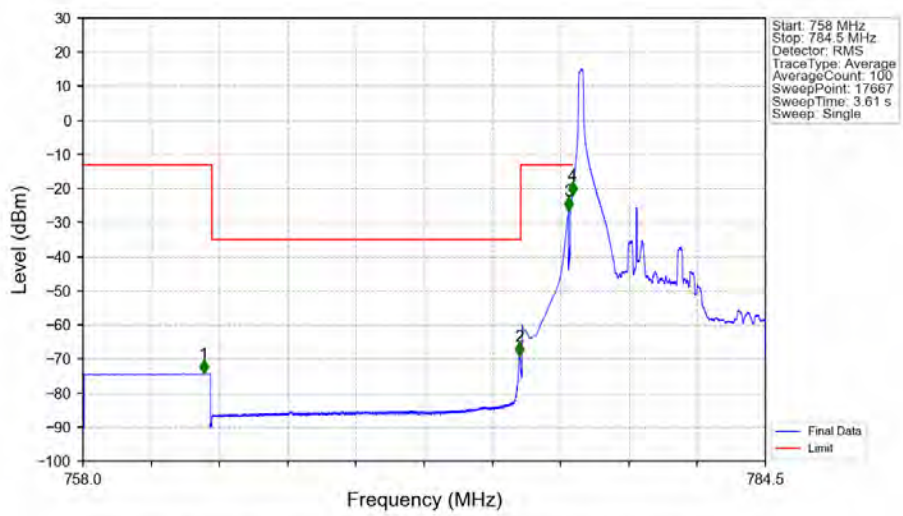


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.715	-74.31	-13	Pass
763	775	0.00625	CHP	2	774.958	-69.20	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.60	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.84	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

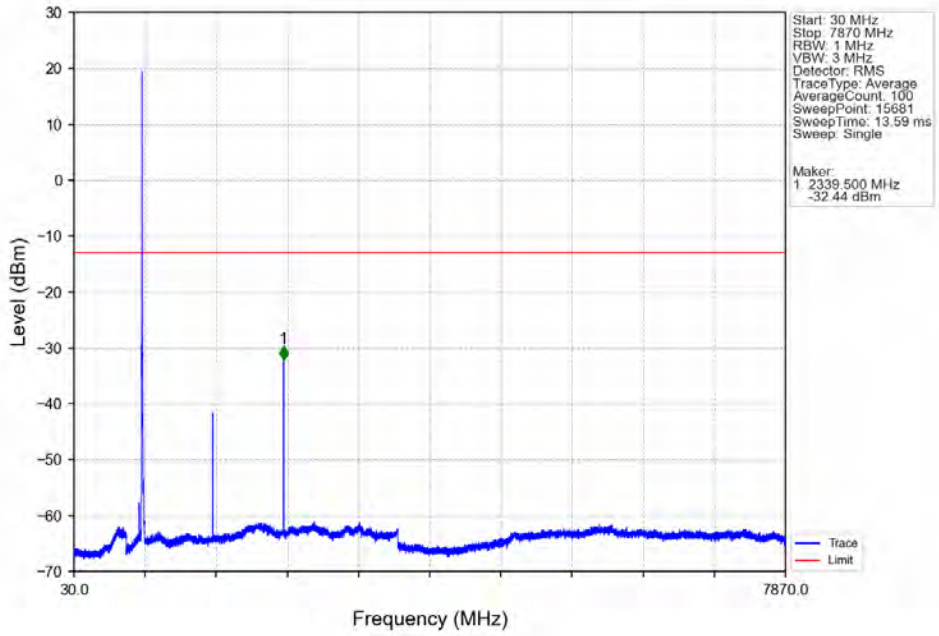


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

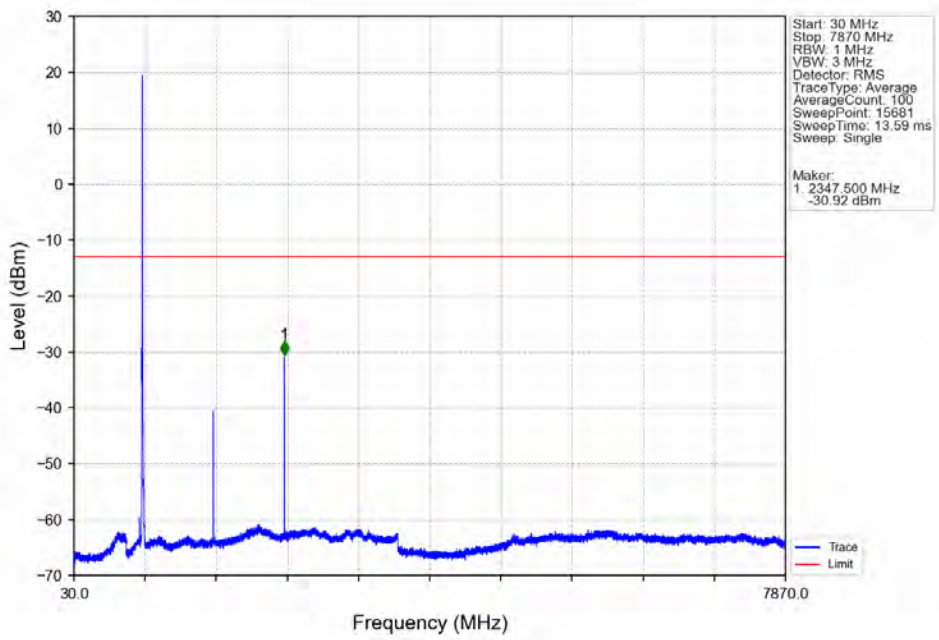


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.694	-74.32	-13	Pass
763	775	0.00625	CHP	2	774.961	-69.09	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.56	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.99	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

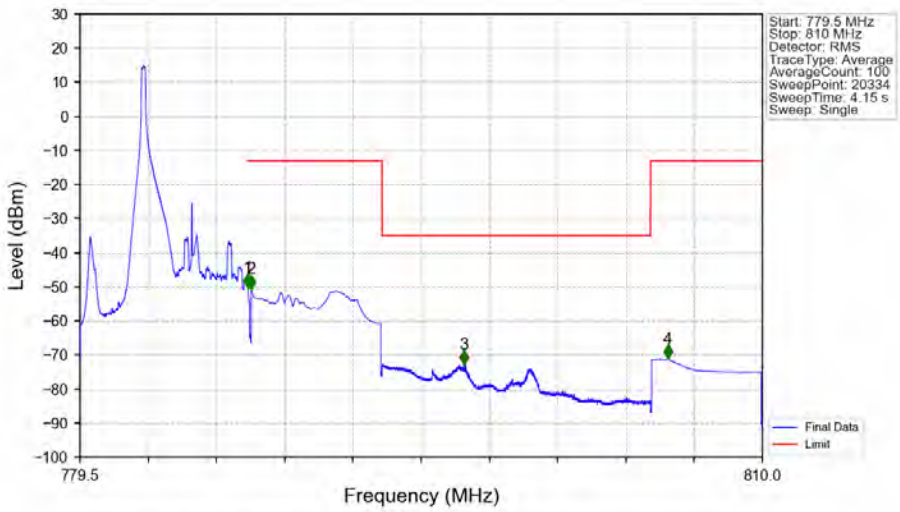
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV

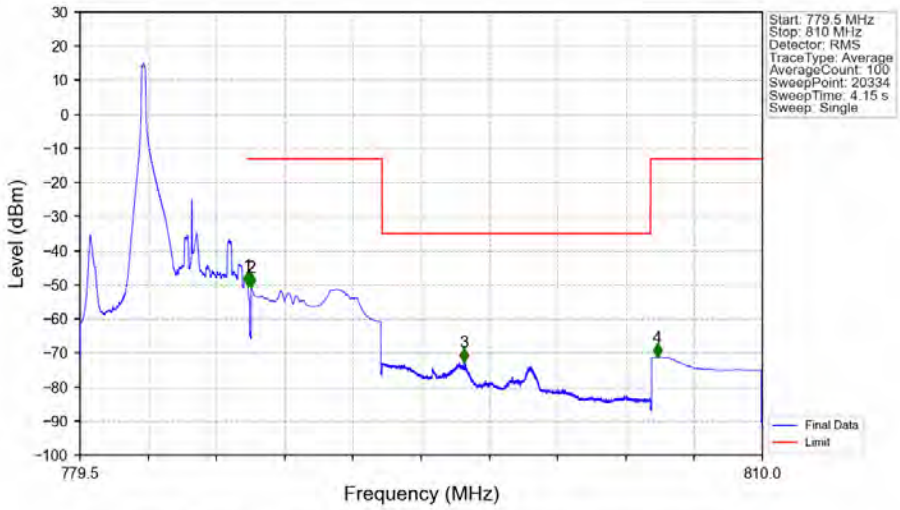


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



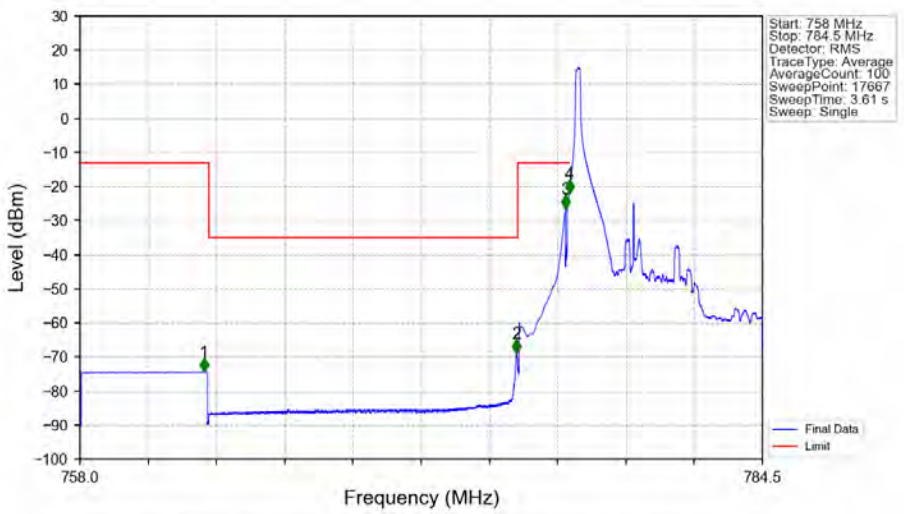
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.16	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.56	-13	Pass
793	805	0.00625	CHP	3	796.645	-72.63	-35	Pass
805	810	0.1	CHP	4	805.776	-71.14	-13	Pass

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



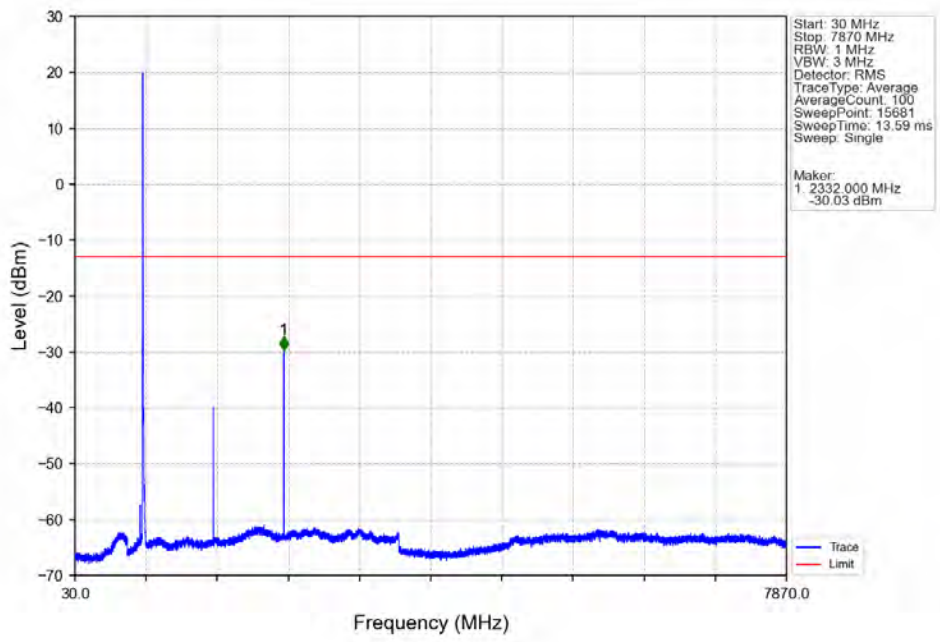
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.30	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.62	-13	Pass
793	805	0.00625	CHP	3	796.650	-72.66	-35	Pass
805	810	0.1	CHP	4	805.311	-71.19	-13	Pass

Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV

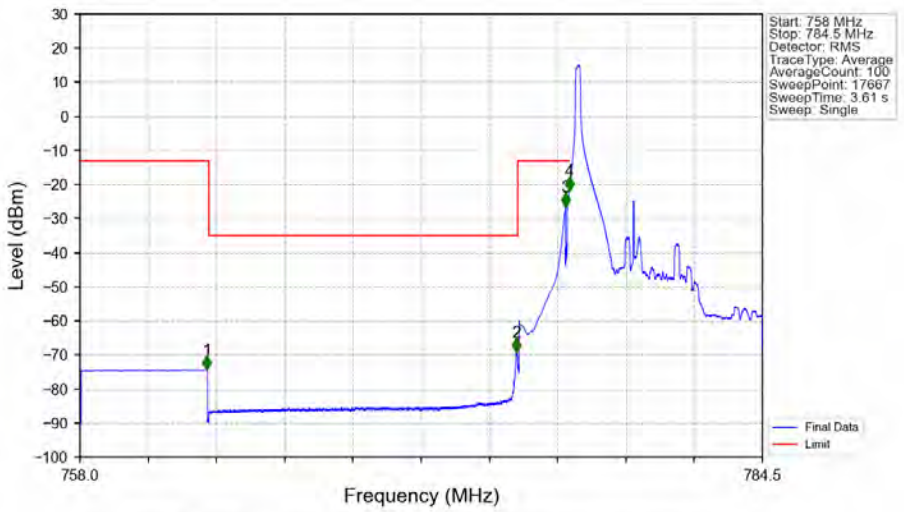


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.820	-74.36	-13	Pass
763	775	0.00625	CHP	2	774.952	-68.99	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.56	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.94	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV

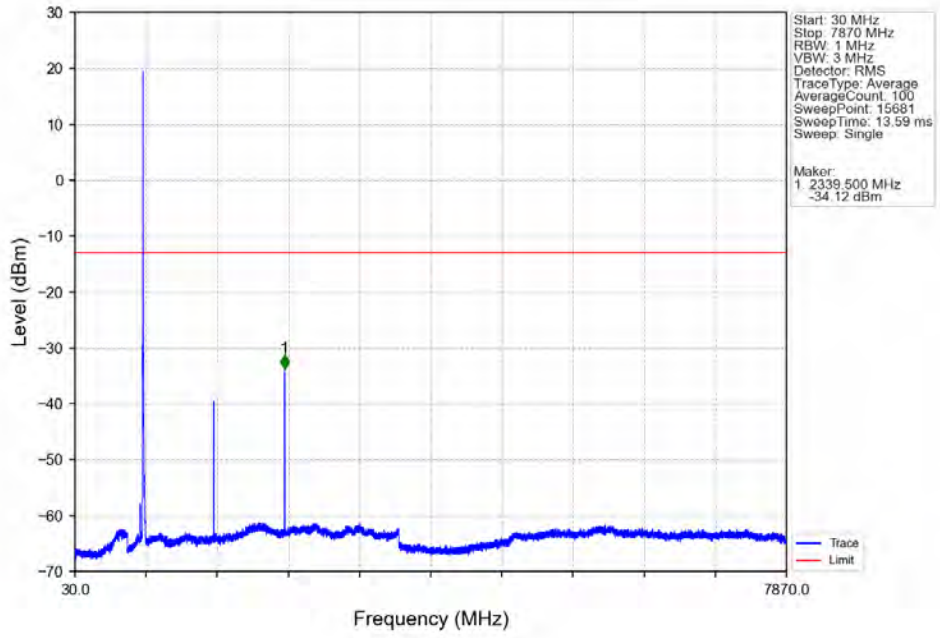


Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV

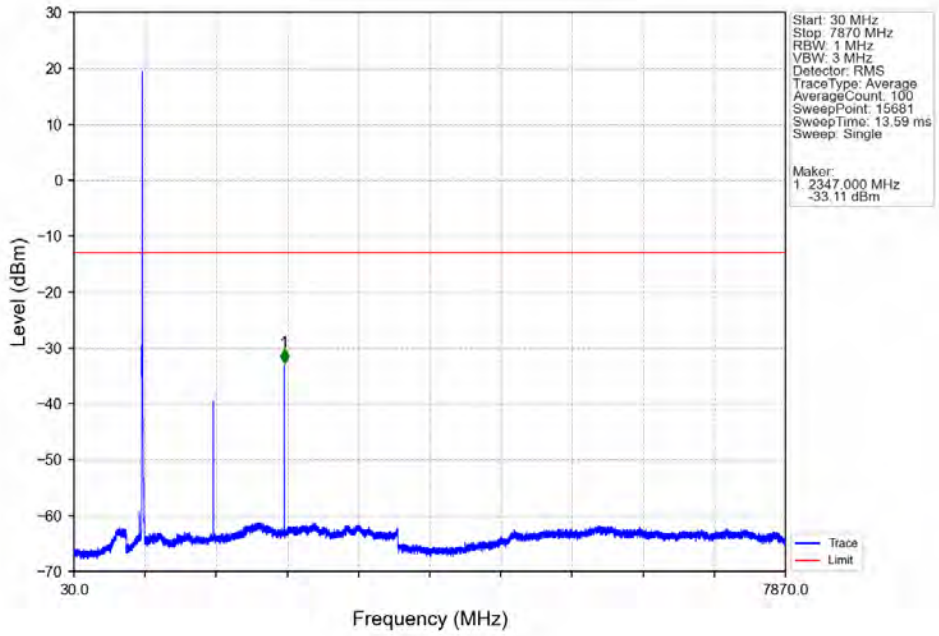


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.925	-74.28	-13	Pass
763	775	0.00625	CHP	2	774.960	-69.09	-35	Pass
775	776.9	0.1	CHP	3	776.850	-26.54	-13	Pass
776.9	777	0.03	CHP	4	777.000	-21.86	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

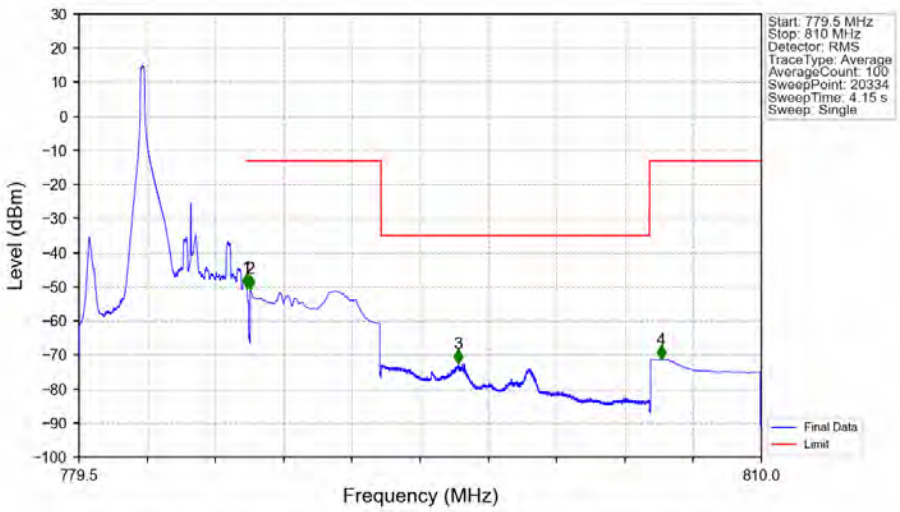
Band13_5MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_0_NTNV

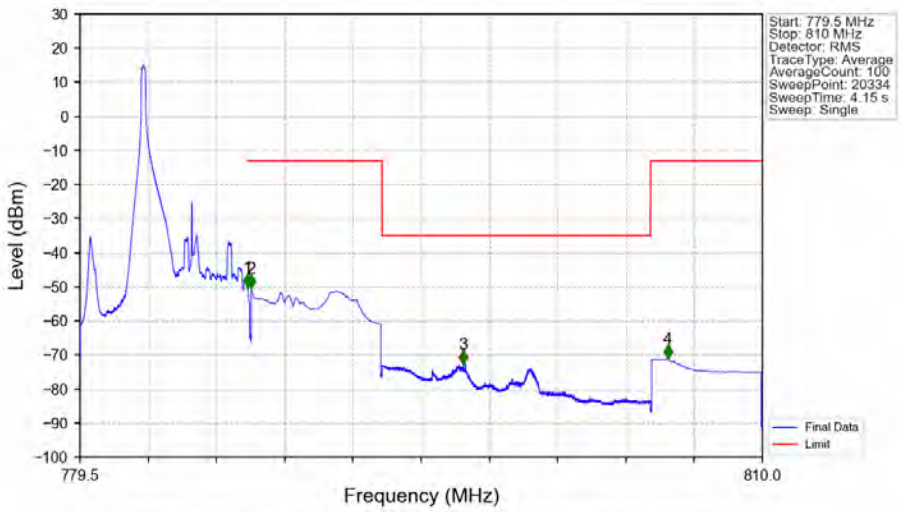


Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_24_NTNV



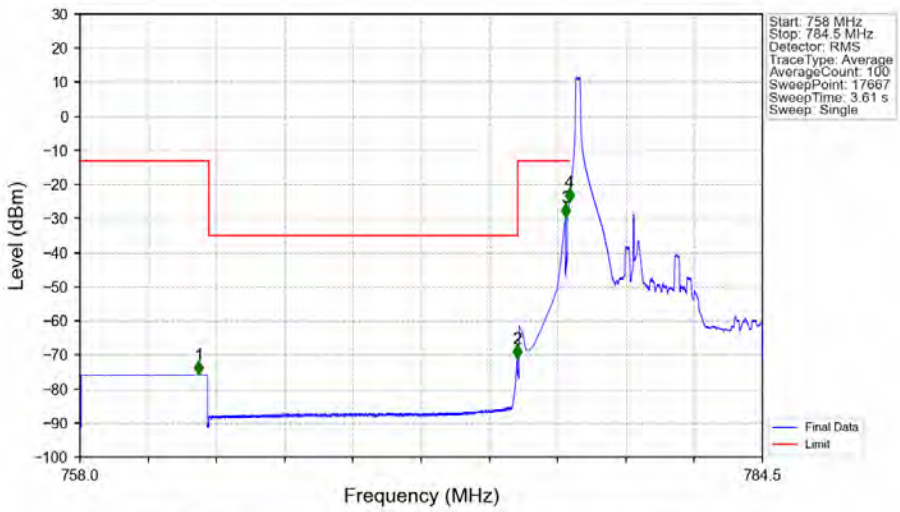
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.30	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.56	-13	Pass
793	805	0.00625	CHP	3	796.461	-72.49	-35	Pass
805	810	0.1	CHP	4	805.518	-71.17	-13	Pass

Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



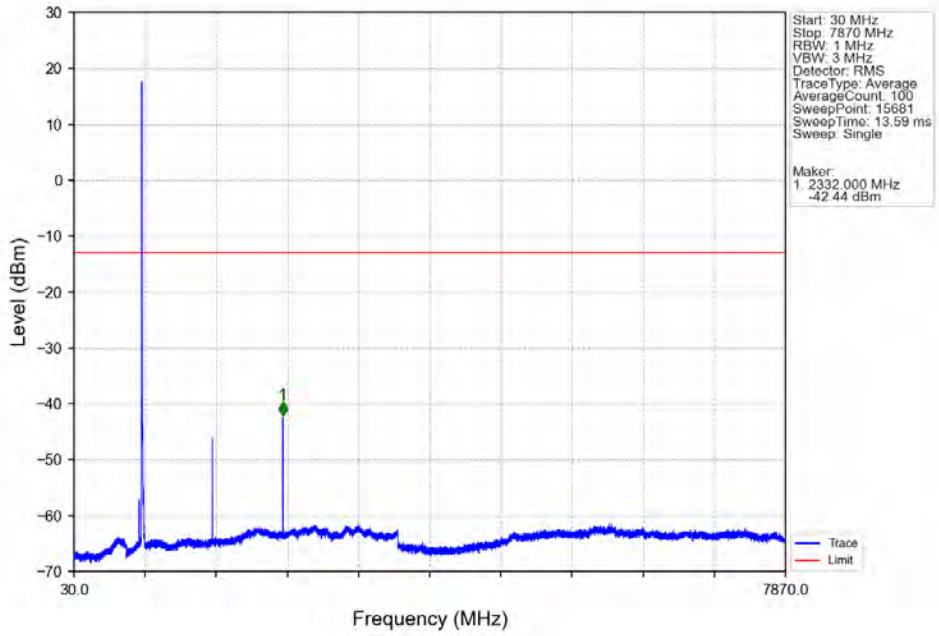
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-50.17	-13	Pass
787.1	793	0.1	CHP	2	787.150	-50.46	-13	Pass
793	805	0.00625	CHP	3	796.636	-72.72	-35	Pass
805	810	0.1	CHP	4	805.773	-71.12	-13	Pass

Band13_5MHz_256QAM_LCH_779.5MHz_RB_1_0_NTNV

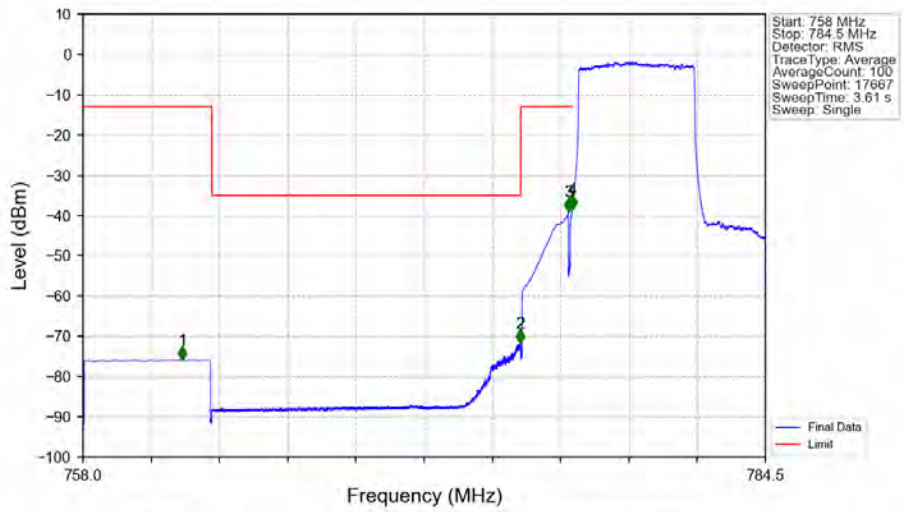


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.617	-75.75	-13	Pass
763	775	0.00625	CHP	2	774.988	-71.12	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.70	-13	Pass
776.9	777	0.03	CHP	4	777.000	-25.01	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

Band13_5MHz_256QAM_LCH_779.5MHz_RB_1_0_NTNV

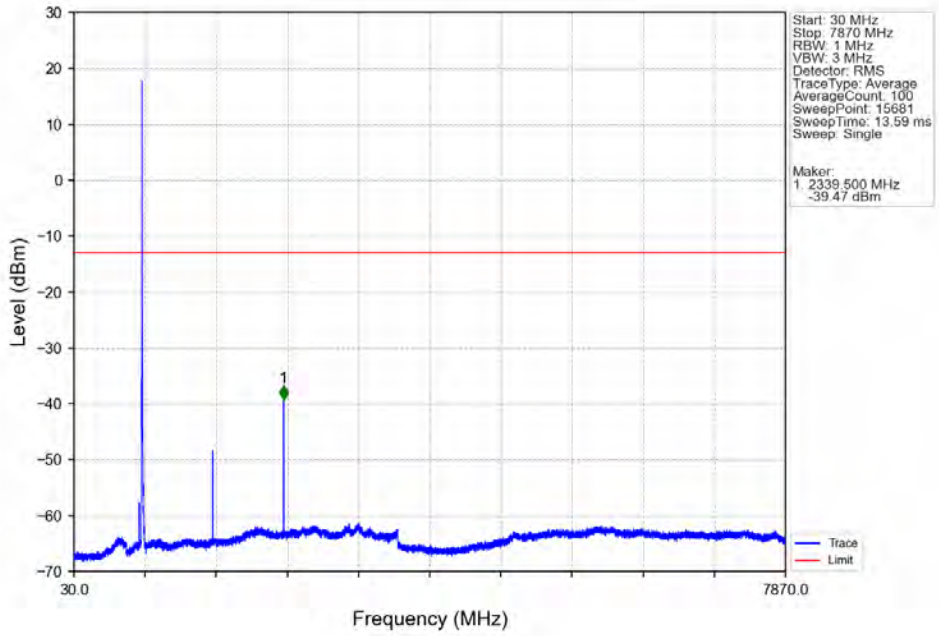


Band13_5MHz_256QAM_LCH_779.5MHz_RB_25_0_NTNV

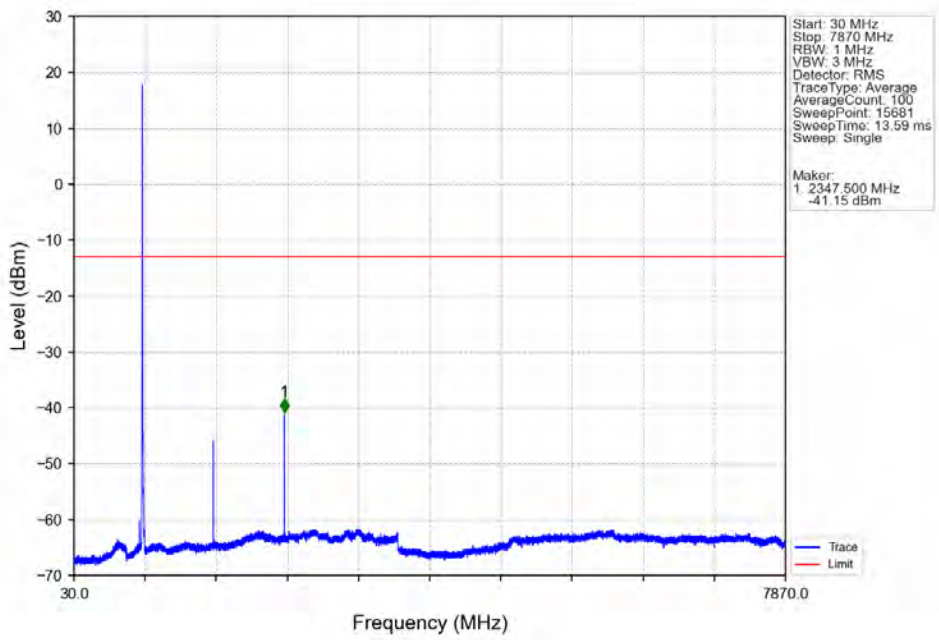


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.860	-75.88	-13	Pass
763	775	0.00625	CHP	2	774.973	-71.74	-35	Pass
775	776.9	0.1	CHP	3	776.850	-39.07	-13	Pass
776.9	777	0.03	CHP	4	777.000	-38.41	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

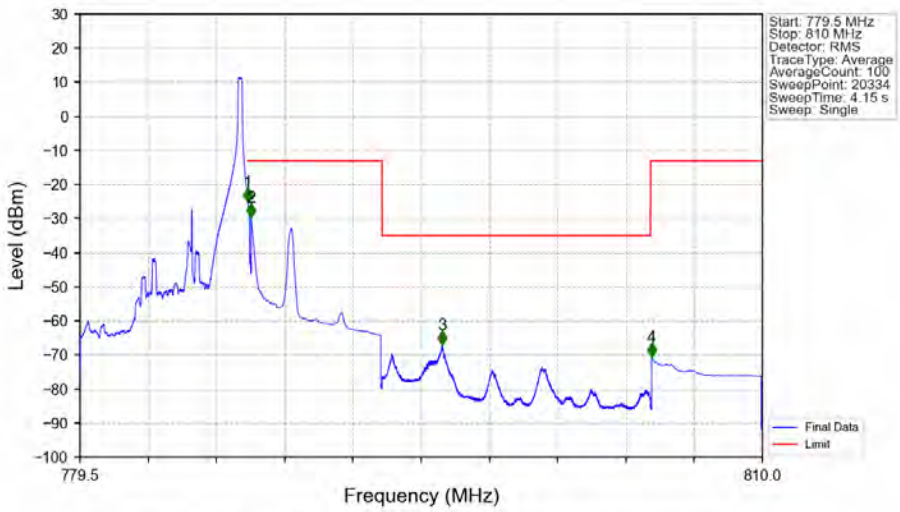
Band13_5MHz_256QAM_MCH_782MHz_RB_1_0_NTNV



Band13_5MHz_256QAM_HCH_784.5MHz_RB_1_0_NTNV

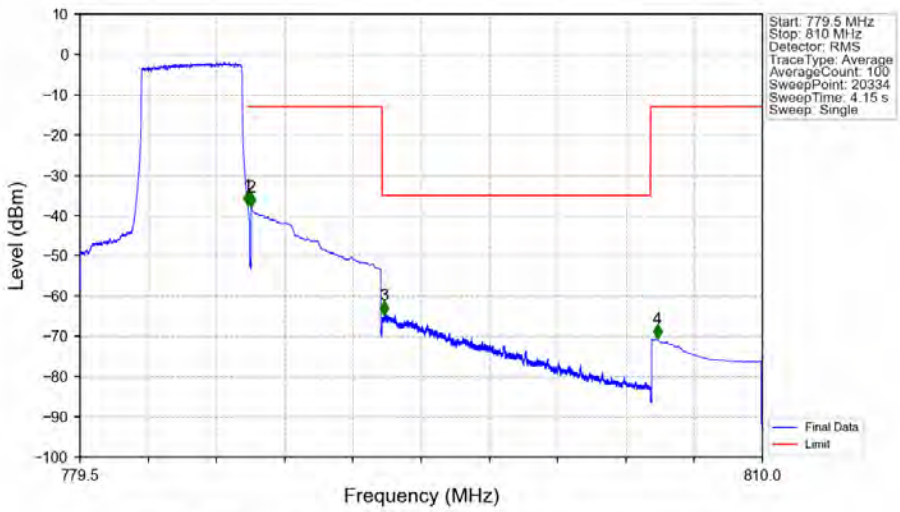


Band13_5MHz_256QAM_HCH_784.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-25.11	-13	Pass
787.1	793	0.1	CHP	2	787.150	-29.64	-13	Pass
793	805	0.00625	CHP	3	795.694	-67.13	-35	Pass
805	810	0.1	CHP	4	805.051	-70.64	-13	Pass

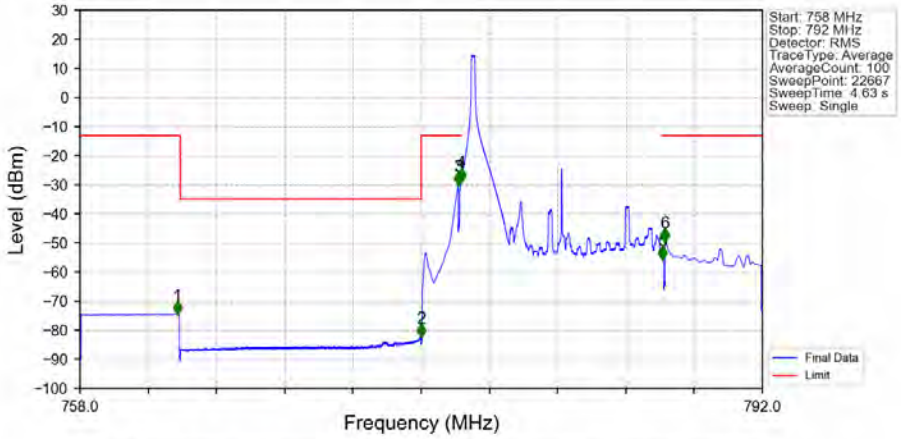
Band13_5MHz_256QAM_HCH_784.5MHz_RB_25_0_NTNV



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	-37.41	-13	Pass
787.1	793	0.1	CHP	2	787.150	-37.82	-13	Pass
793	805	0.00625	CHP	3	793.102	-64.62	-35	Pass
805	810	0.1	CHP	4	805.296	-70.56	-13	Pass

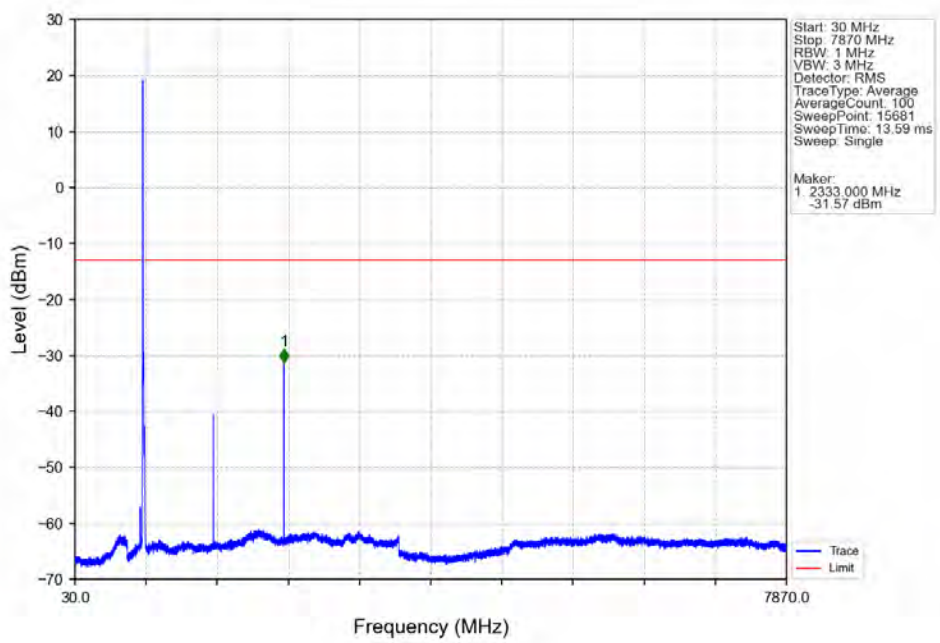
5.2.2 B13_10MHz

Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

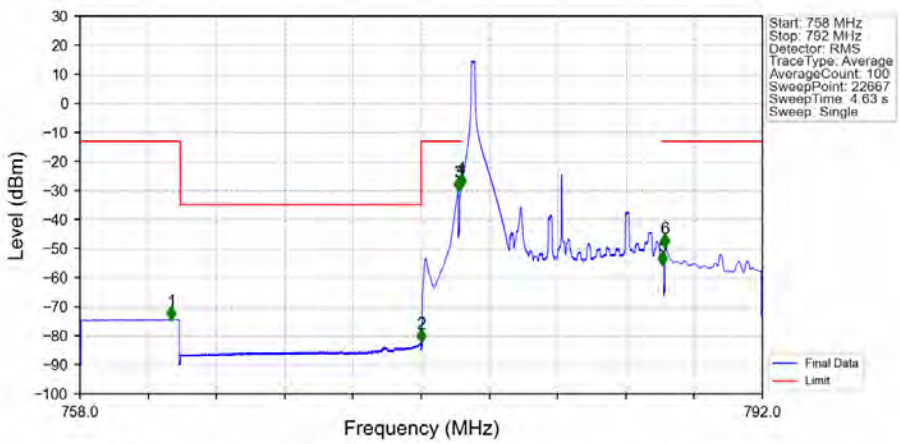


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.856	-74.39	-13	Pass
763	775	0.00625	CHP	2	774.995	-82.01	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.86	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.63	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.020	-55.45	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.30	-13	Pass

Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

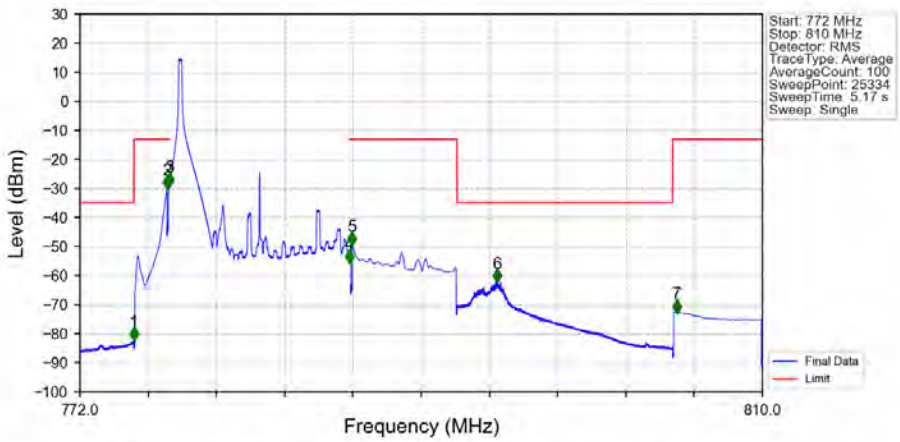


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



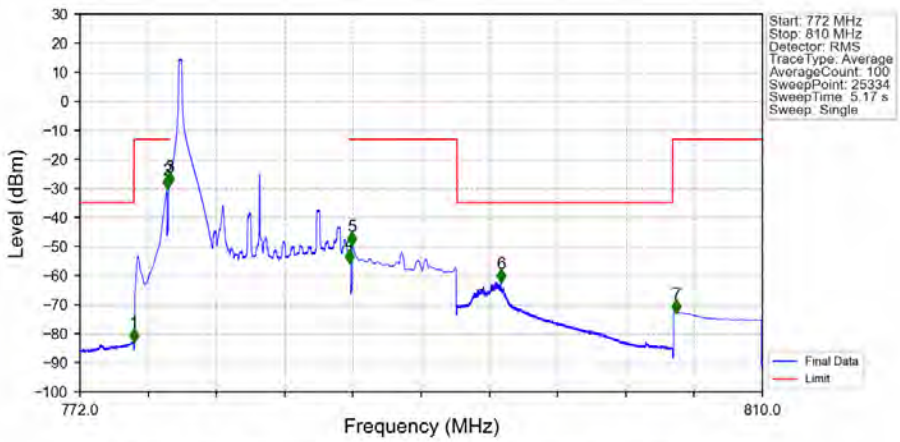
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.551	-74.39	-13	Pass
763	775	0.00625	CHP	2	774.995	-82.02	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.87	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.72	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-55.45	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.27	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_1_49_NTNV



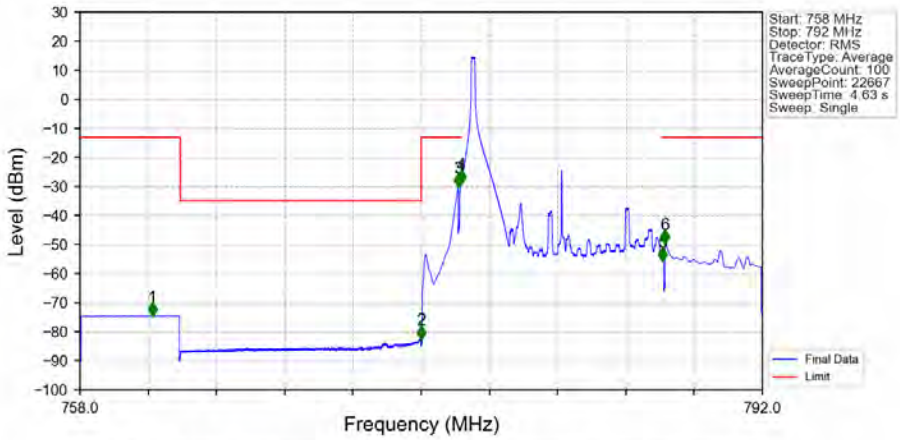
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.994	-82.05	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.84	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.89	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-55.51	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.31	-13	Pass
793	805	0.00625	CHP	6	795.208	-62.16	-35	Pass
805	810	0.1	CHP	7	805.219	-72.50	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_50_0_NTNV



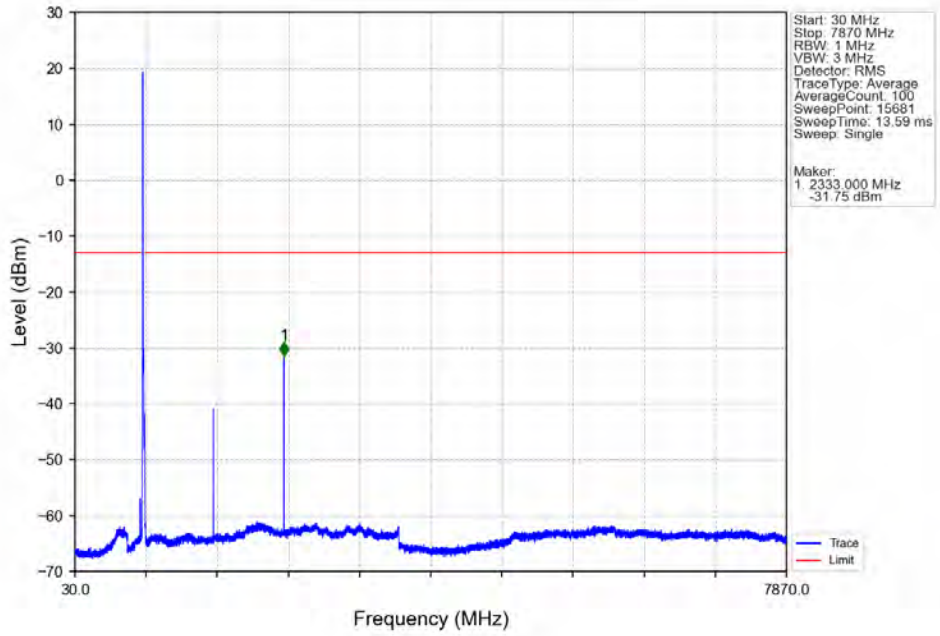
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.988	-82.50	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.88	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.80	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-55.35	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.39	-13	Pass
793	805	0.00625	CHP	6	795.430	-62.15	-35	Pass
805	810	0.1	CHP	7	805.213	-72.56	-13	Pass

Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

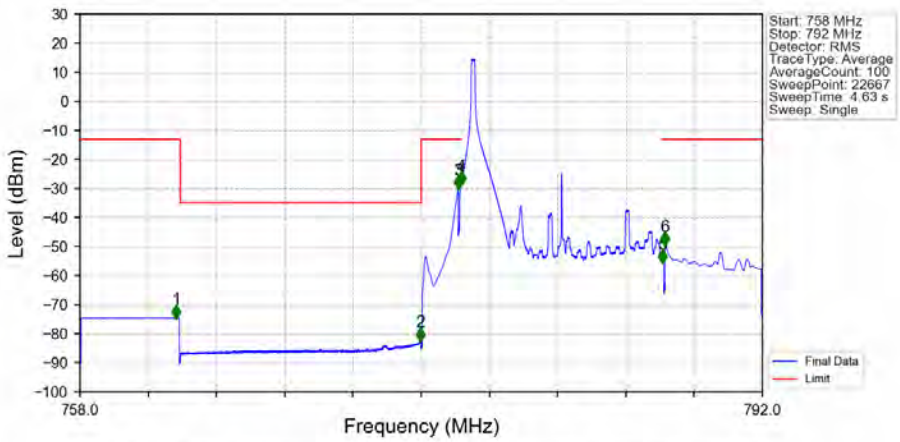


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.614	-74.42	-13	Pass
763	775	0.00625	CHP	2	774.995	-82.22	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.81	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.78	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-55.42	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.30	-13	Pass

Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

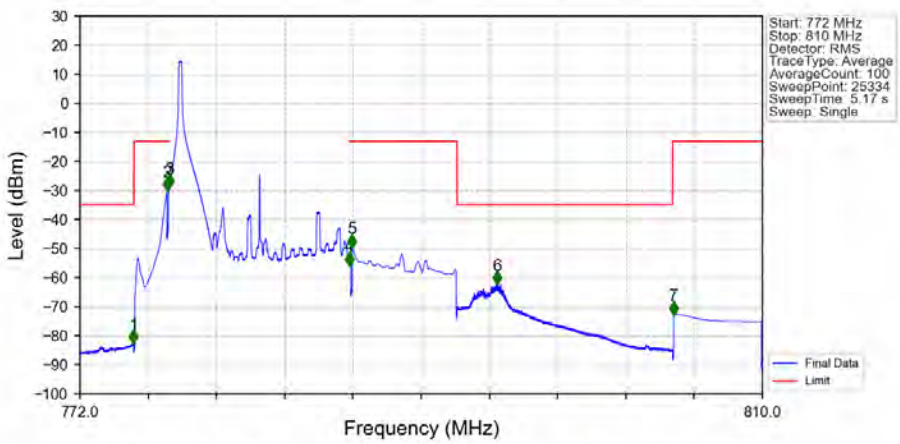


Band13_10MHz_16QAM_LCH_782MHz_RB_50_0_NTNV



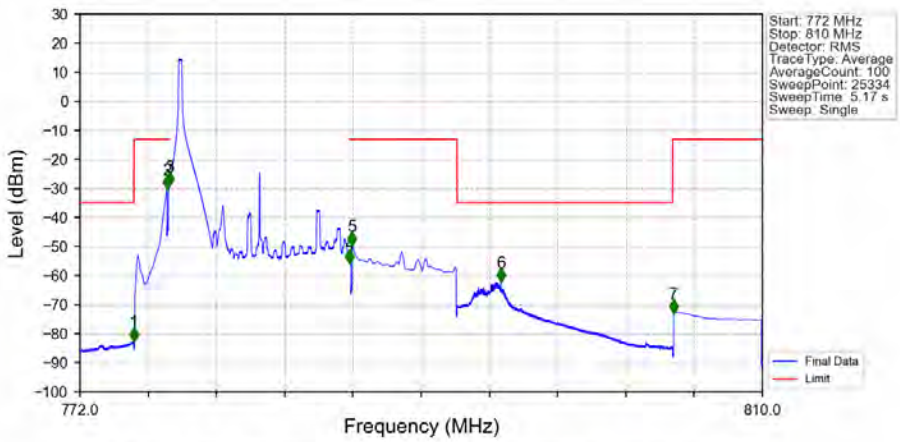
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.787	-74.44	-13	Pass
763	775	0.00625	CHP	2	774.979	-82.27	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.84	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.51	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.003	-55.48	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.24	-13	Pass

Band13_10MHz_16QAM_HCH_782MHz_RB_1_49_NTNV



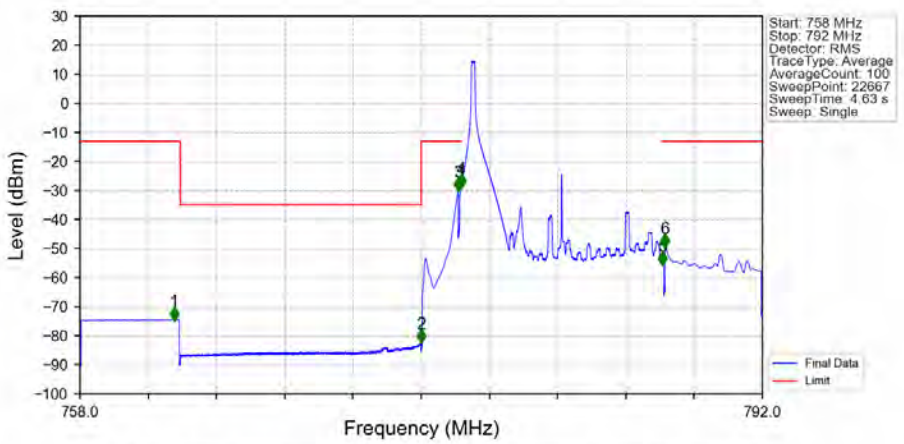
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.981	-82.37	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.84	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.76	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-55.56	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.47	-13	Pass
793	805	0.00625	CHP	6	795.208	-62.08	-35	Pass
805	810	0.1	CHP	7	805.060	-72.53	-13	Pass

Band13_10MHz_16QAM_HCH_782MHz_RB_50_0_NTNV



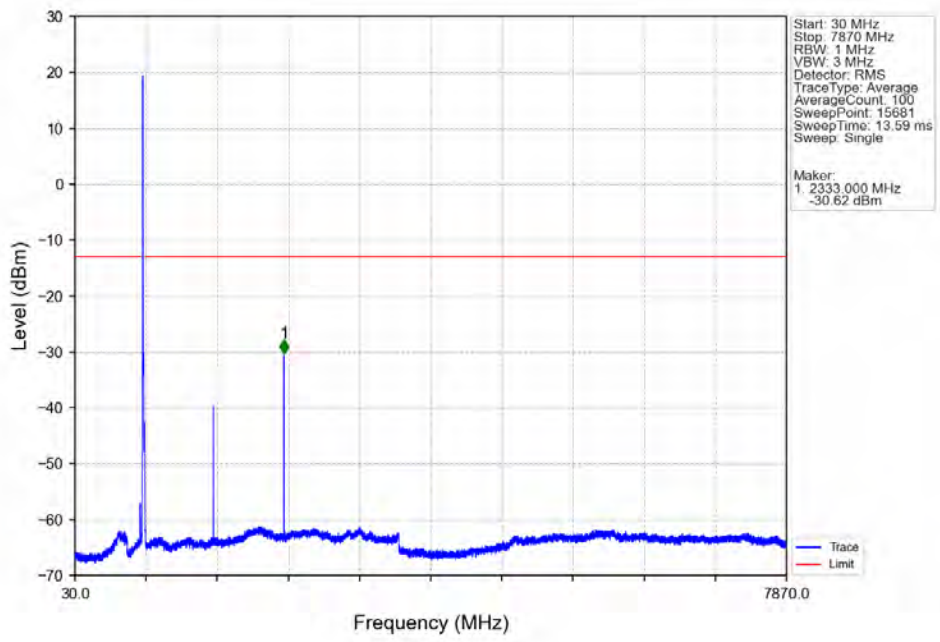
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.988	-82.24	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.79	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.80	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.015	-55.51	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.39	-13	Pass
793	805	0.00625	CHP	6	795.430	-61.84	-35	Pass
805	810	0.1	CHP	7	805.057	-72.64	-13	Pass

Band13_10MHz_64QAM_LCH_782MHz_RB_1_0_NTNV

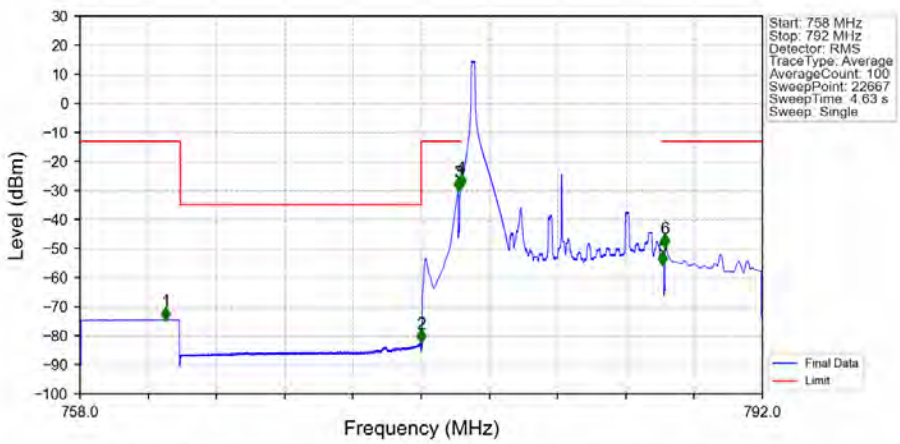


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.694	-74.45	-13	Pass
763	775	0.00625	CHP	2	774.992	-82.10	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.91	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.73	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-55.52	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.34	-13	Pass

Band13_10MHz_64QAM_LCH_782MHz_RB_1_0_NTNV

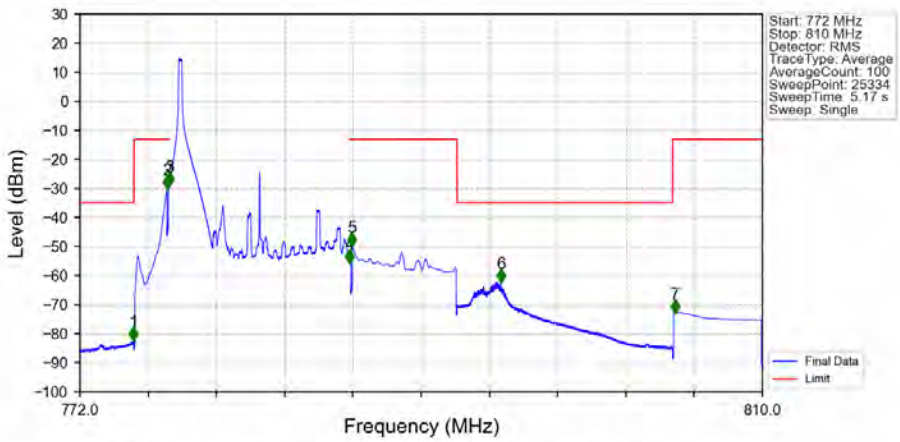


Band13_10MHz_64QAM_LCH_782MHz_RB_50_0_NTNV



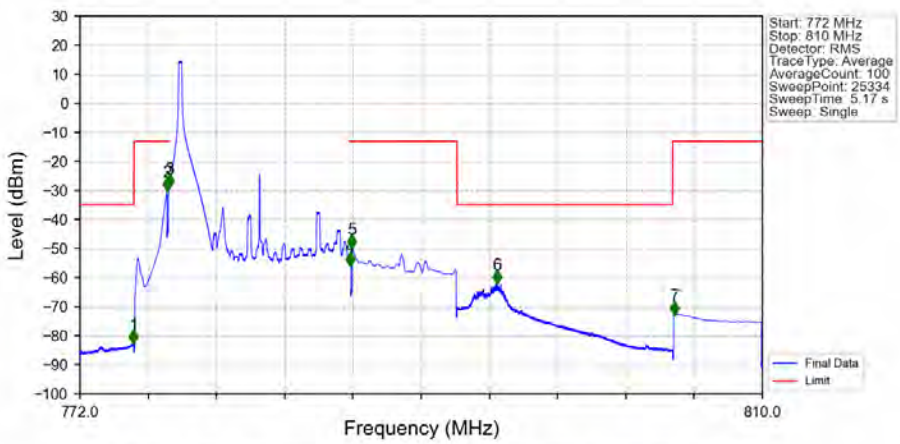
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.278	-74.48	-13	Pass
763	775	0.00625	CHP	2	774.988	-82.19	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.82	-13	Pass
776.9	777	0.03	CHP	4	777.000	-28.64	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-55.50	-13	Pass
787.1	792	0.1	CHP	6	787.150	-49.36	-13	Pass

Band13_10MHz_64QAM_HCH_782MHz_RB_1_49_NTNV



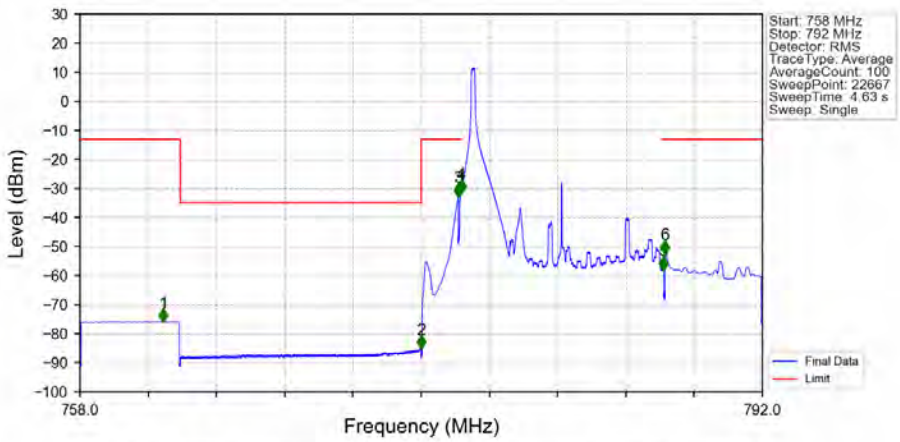
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.985	-82.03	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.84	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.76	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.014	-55.35	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.50	-13	Pass
793	805	0.00625	CHP	6	795.429	-62.06	-35	Pass
805	810	0.1	CHP	7	805.131	-72.60	-13	Pass

Band13_10MHz_64QAM_HCH_782MHz_RB_50_0_NTNV



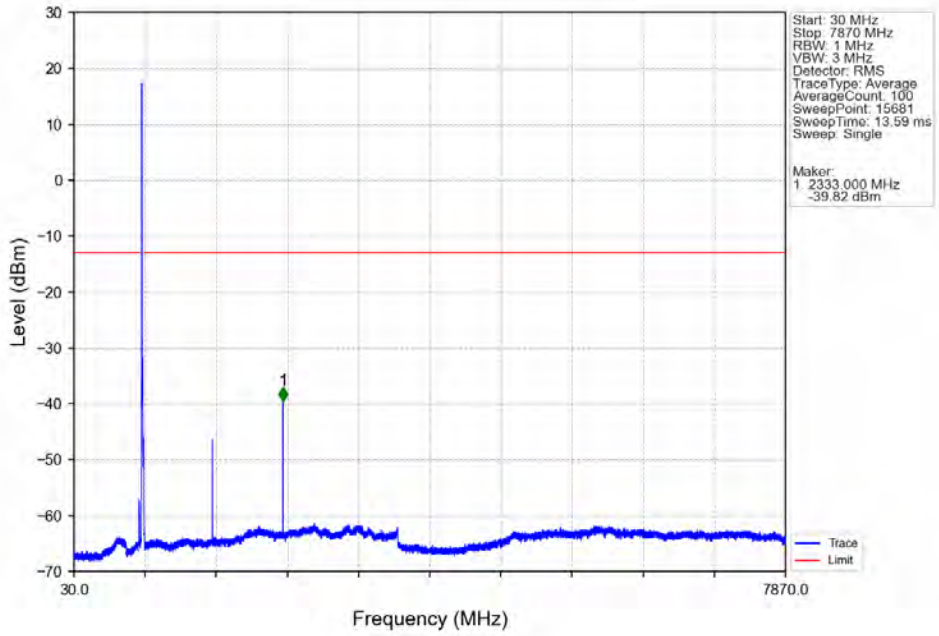
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.981	-82.47	-35	Pass
775	776.9	0.1	CHP	2	776.850	-29.87	-13	Pass
776.9	777	0.03	CHP	3	777.000	-28.86	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.045	-55.67	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.50	-13	Pass
793	805	0.00625	CHP	6	795.207	-61.81	-35	Pass
805	810	0.1	CHP	7	805.119	-72.52	-13	Pass

Band13_10MHz_256QAM_LCH_782MHz_RB_1_0_NTNV

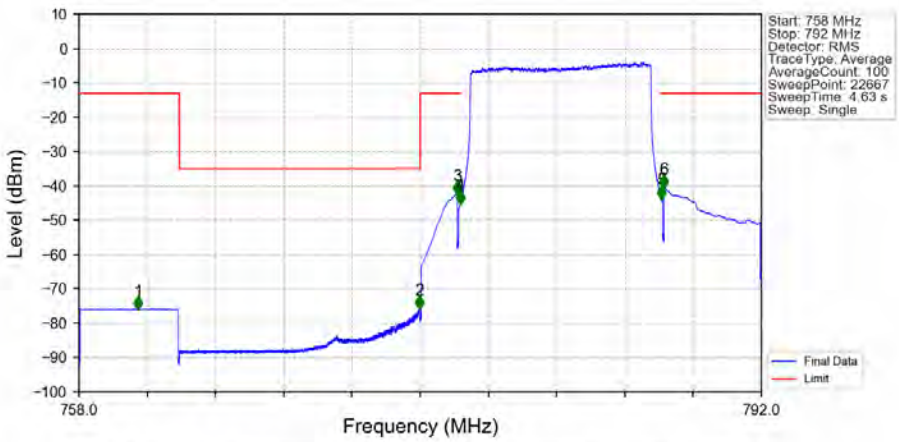


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.155	-75.80	-13	Pass
763	775	0.00625	CHP	2	774.995	-84.82	-35	Pass
775	776.9	0.1	CHP	3	776.850	-32.51	-13	Pass
776.9	777	0.03	CHP	4	777.000	-31.34	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.048	-57.79	-13	Pass
787.1	792	0.1	CHP	6	787.150	-52.20	-13	Pass

Band13_10MHz_256QAM_LCH_782MHz_RB_1_0_NTNV

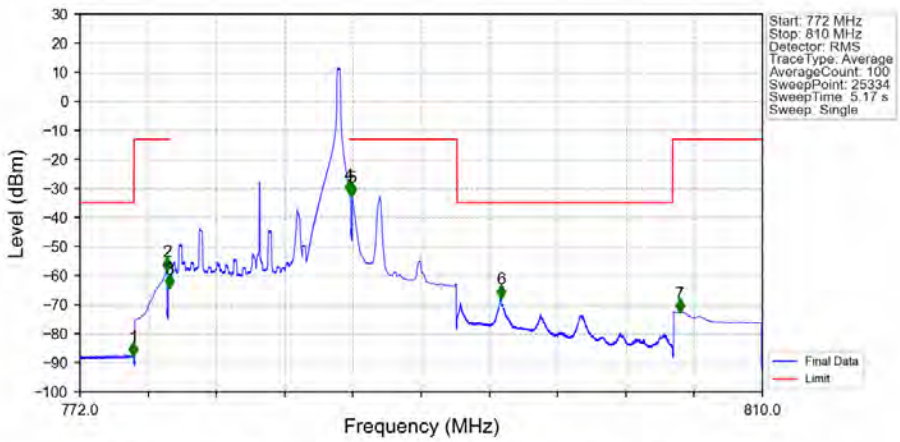


Band13_10MHz_256QAM_LCH_782MHz_RB_50_0_NTNV



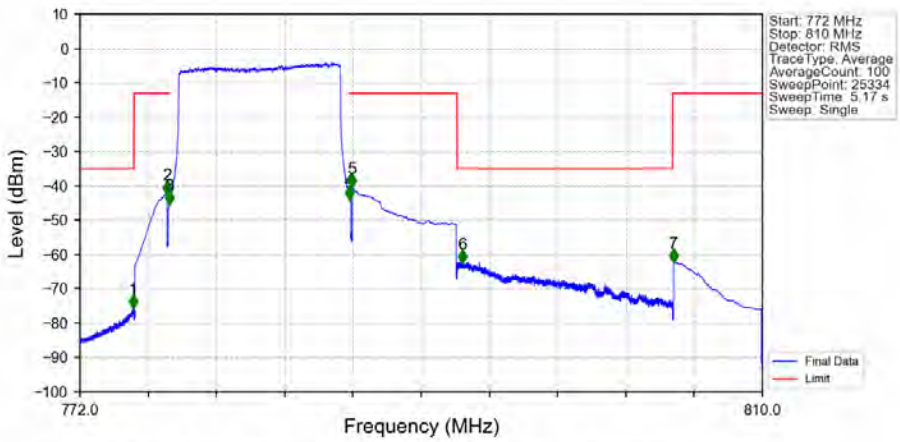
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.937	-75.89	-13	Pass
763	775	0.00625	CHP	2	774.956	-75.75	-35	Pass
775	776.9	0.1	CHP	3	776.848	-42.28	-13	Pass
776.9	777	0.03	CHP	4	776.992	-45.14	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.000	-43.57	-13	Pass
787.1	792	0.1	CHP	6	787.150	-40.42	-13	Pass

Band13_10MHz_256QAM_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	774.984	-87.46	-35	Pass
775	776.9	0.1	CHP	2	776.847	-58.09	-13	Pass
776.9	777	0.03	CHP	3	777.000	-64.02	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-31.46	-13	Pass
787.1	793	0.1	CHP	5	787.150	-32.37	-13	Pass
793	805	0.00625	CHP	6	795.429	-67.48	-35	Pass
805	810	0.1	CHP	7	805.405	-72.42	-13	Pass

Band13_10MHz_256QAM_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	774.957	-75.38	-35	Pass
775	776.9	0.1	CHP	2	776.850	-42.16	-13	Pass
776.9	777	0.03	CHP	3	776.992	-45.11	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-43.68	-13	Pass
787.1	793	0.1	CHP	5	787.150	-40.27	-13	Pass
793	805	0.00625	CHP	6	793.303	-62.21	-35	Pass
805	810	0.1	CHP	7	805.062	-62.10	-13	Pass