

Appendix - LTE_band_13

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B13_5MHz_ERP

Band: 13 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	779.5	1	0	22.81	-0.11	20.55	<=34.77	Pass
			13	22.59	-0.11	20.33	<=34.77	Pass
			24	22.12	-0.11	19.86	<=34.77	Pass
		12	0	21.82	-0.11	19.56	<=34.77	Pass
			6	21.72	-0.11	19.46	<=34.77	Pass
			13	21.49	-0.11	19.23	<=34.77	Pass
		25	0	21.76	-0.11	19.50	<=34.77	Pass
	782	1	0	22.47	-0.11	20.21	<=34.77	Pass
			13	21.92	-0.11	19.66	<=34.77	Pass
			24	21.70	-0.11	19.44	<=34.77	Pass
		12	0	21.43	-0.11	19.17	<=34.77	Pass
			6	21.20	-0.11	18.94	<=34.77	Pass
			13	21.09	-0.11	18.83	<=34.77	Pass
		25	0	21.26	-0.11	19.00	<=34.77	Pass
	784.5	1	0	22.22	-0.11	19.96	<=34.77	Pass
			13	22.01	-0.11	19.75	<=34.77	Pass
			24	22.07	-0.11	19.81	<=34.77	Pass
		12	0	21.19	-0.11	18.93	<=34.77	Pass
			6	21.12	-0.11	18.86	<=34.77	Pass
			13	21.20	-0.11	18.94	<=34.77	Pass
		25	0	21.18	-0.11	18.92	<=34.77	Pass
16QAM	779.5	1	0	22.01	-0.11	19.75	<=34.77	Pass
			13	21.89	-0.11	19.63	<=34.77	Pass
			24	21.37	-0.11	19.11	<=34.77	Pass
		12	0	20.98	-0.11	18.72	<=34.77	Pass
			6	20.93	-0.11	18.67	<=34.77	Pass
			13	20.60	-0.11	18.34	<=34.77	Pass
		25	0	20.75	-0.11	18.49	<=34.77	Pass
	782	1	0	21.88	-0.11	19.62	<=34.77	Pass
			13	21.30	-0.11	19.04	<=34.77	Pass
			24	21.11	-0.11	18.85	<=34.77	Pass
		12	0	20.56	-0.11	18.30	<=34.77	Pass
			6	20.36	-0.11	18.10	<=34.77	Pass
			13	20.26	-0.11	18.00	<=34.77	Pass
		25	0	20.46	-0.11	18.20	<=34.77	Pass
	784.5	1	0	21.43	-0.11	19.17	<=34.77	Pass
			13	21.30	-0.11	19.04	<=34.77	Pass
			24	21.41	-0.11	19.15	<=34.77	Pass
		12	0	20.30	-0.11	18.04	<=34.77	Pass
			6	20.26	-0.11	18.00	<=34.77	Pass
			13	20.33	-0.11	18.07	<=34.77	Pass
		25	0	20.38	-0.11	18.12	<=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	22.82	-0.11	20.56	<=34.77	Pass
			25	22.01	-0.11	19.75	<=34.77	Pass
			49	22.03	-0.11	19.77	<=34.77	Pass
		25	0	21.66	-0.11	19.40	<=34.77	Pass
			13	21.28	-0.11	19.02	<=34.77	Pass
			25	21.11	-0.11	18.85	<=34.77	Pass
		50	0	21.36	-0.11	19.10	<=34.77	Pass
16QAM	782	1	0	21.87	-0.11	19.61	<=34.77	Pass
			25	21.12	-0.11	18.86	<=34.77	Pass
			49	21.20	-0.11	18.94	<=34.77	Pass
		12	0	21.76	-0.11	19.50	<=34.77	Pass
			19	21.16	-0.11	18.90	<=34.77	Pass
			38	21.05	-0.11	18.79	<=34.77	Pass
		27	0	20.74	-0.11	18.48	<=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	-1.688	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0004	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-1.330	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.016	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-0.329	-0.0004	-2.5 to 2.5	Pass
					3.85	0.272	0.0003	-2.5 to 2.5	Pass
					4.43	-0.443	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass

16QAM	779.5	25	0	10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				20	3.27	0.587	0.0008	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-0.257	-0.0003	-2.5 to 2.5	Pass
					3.85	0.229	0.0003	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.001	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-0.286	-0.0004	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	0.172	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0009	-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	-1.659	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0021	-2.5 to 2.5	Pass
					4.43	-0.558	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
16QAM	782	27	0	20	3.27	0.215	0.0003	-2.5 to 2.5	Pass
					3.85	0.615	0.0008	-2.5 to 2.5	Pass
					4.43	0.472	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass

				-20	3.85	-0.615	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.987	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B13_5MHz

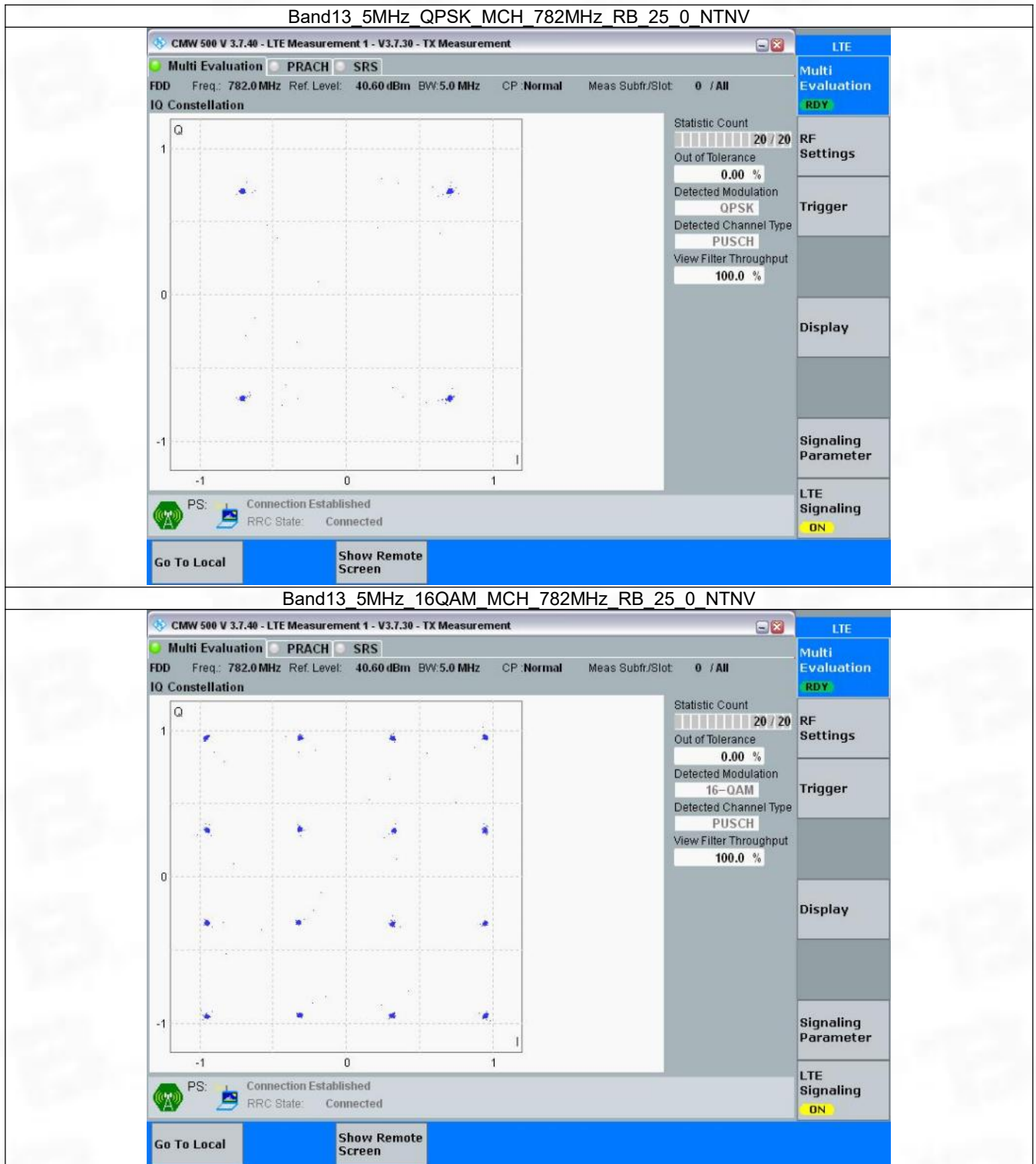
Band: 13 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

3.1.2 B13_10MHz

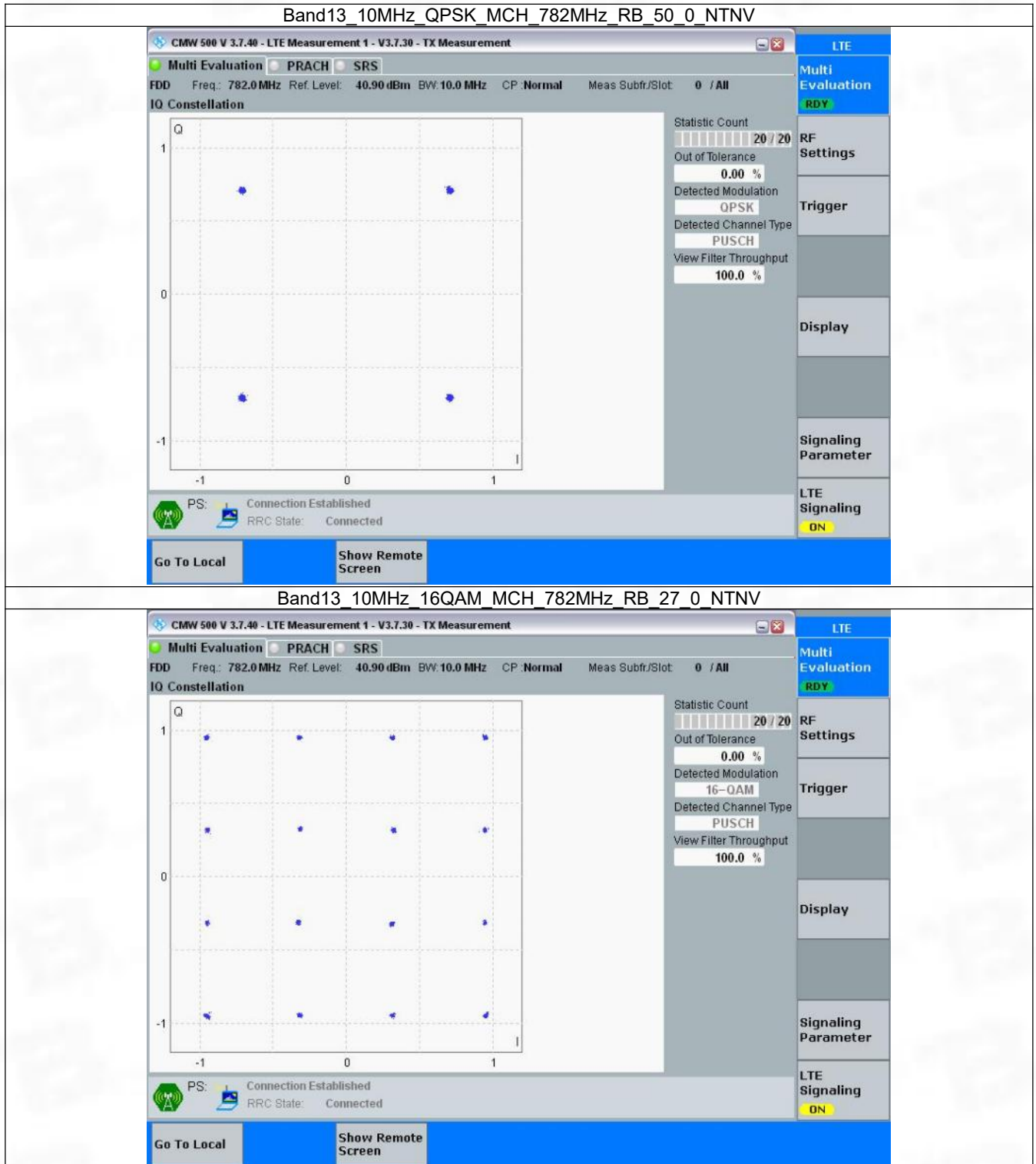
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Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	27	0	Refer To Test Graph		Pass

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

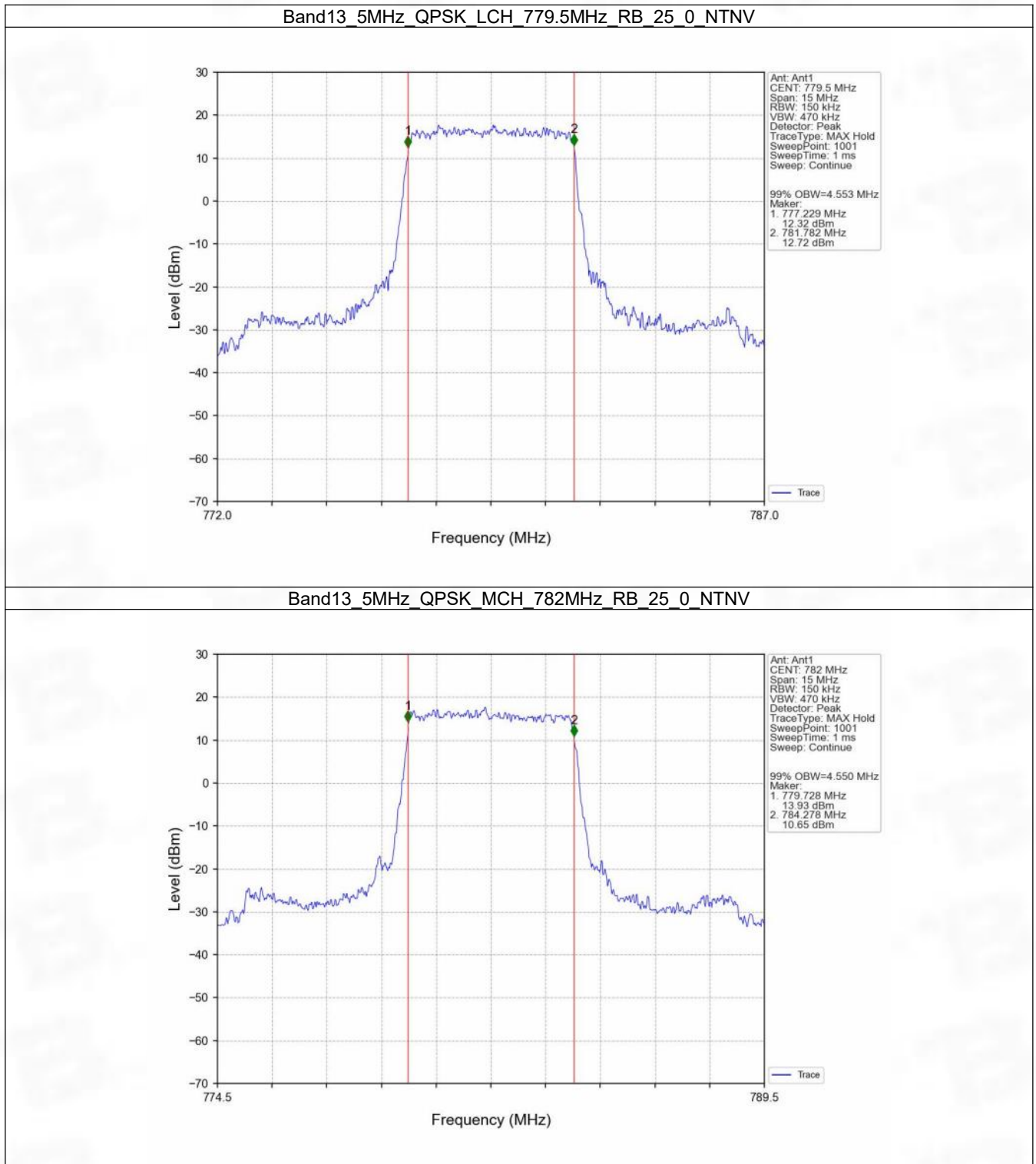
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.553	/	Pass
		782	25	0	4.550	/	Pass
		784.5	25	0	4.551	/	Pass
	16QAM	779.5	25	0	4.552	/	Pass
		782	25	0	4.558	/	Pass
		784.5	25	0	4.549	/	Pass
10	QPSK	782	50	0	9.081	/	Pass
	16QAM	782	27	0	5.096	/	Pass

4.1.2 Band13_XDB

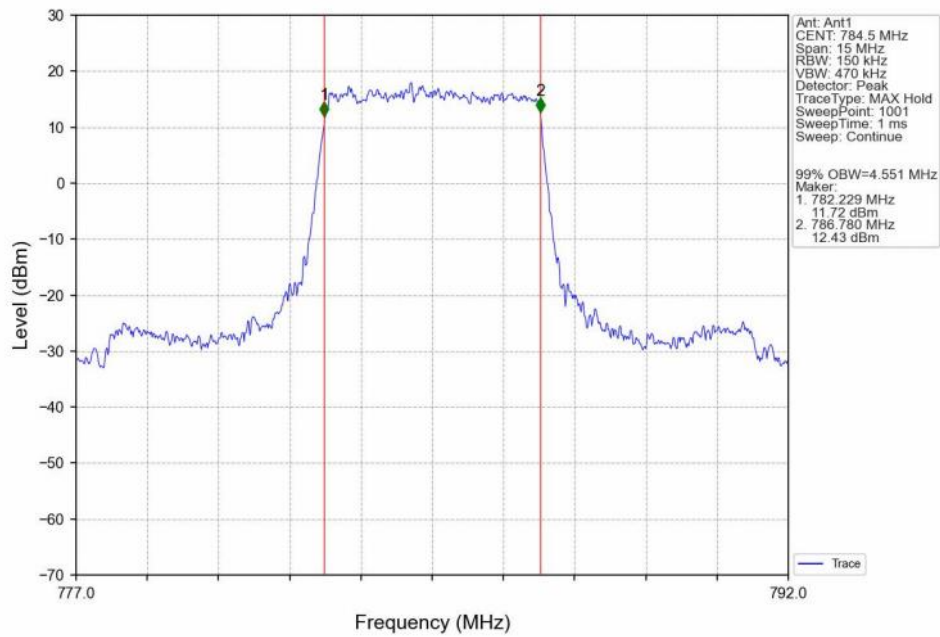
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.108	/	Pass
		782	25	0	5.133	/	Pass
		784.5	25	0	5.085	/	Pass
	16QAM	779.5	25	0	5.093	/	Pass
		782	25	0	5.068	/	Pass
		784.5	25	0	5.053	/	Pass
10	QPSK	782	50	0	10.469	/	Pass
	16QAM	782	27	0	6.628	/	Pass

4.2 Test Graph

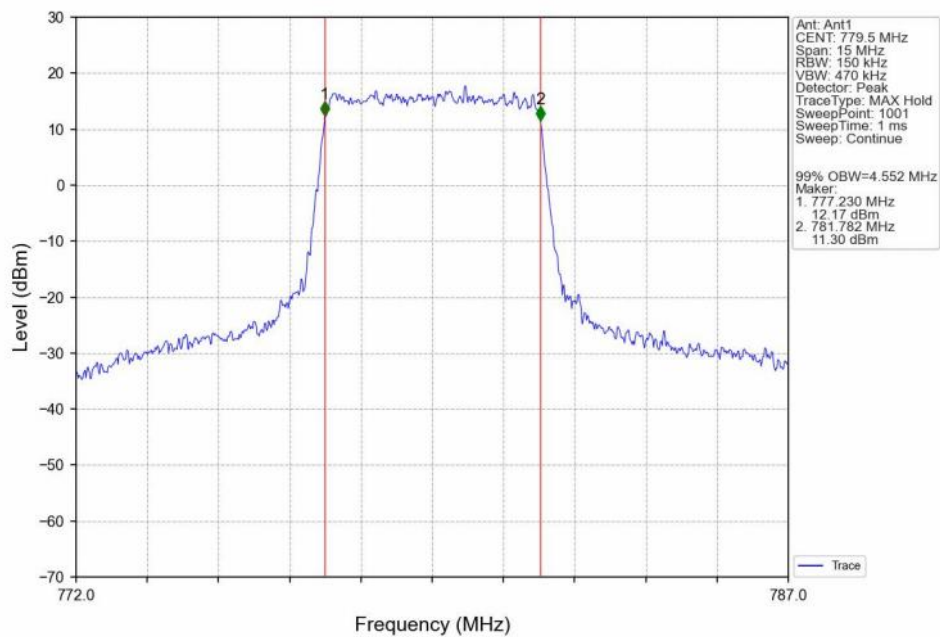
4.2.1 Band13_OBW



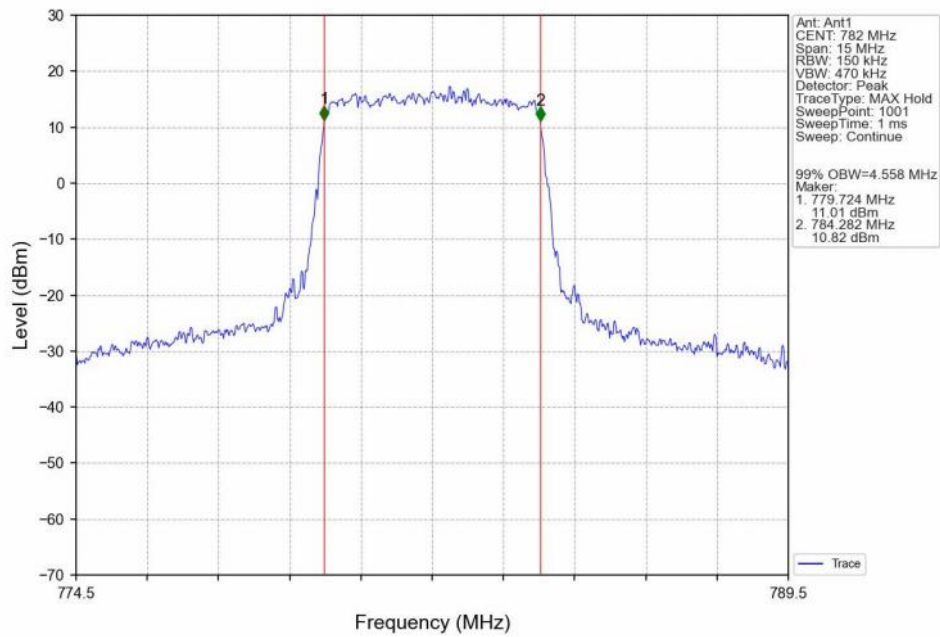
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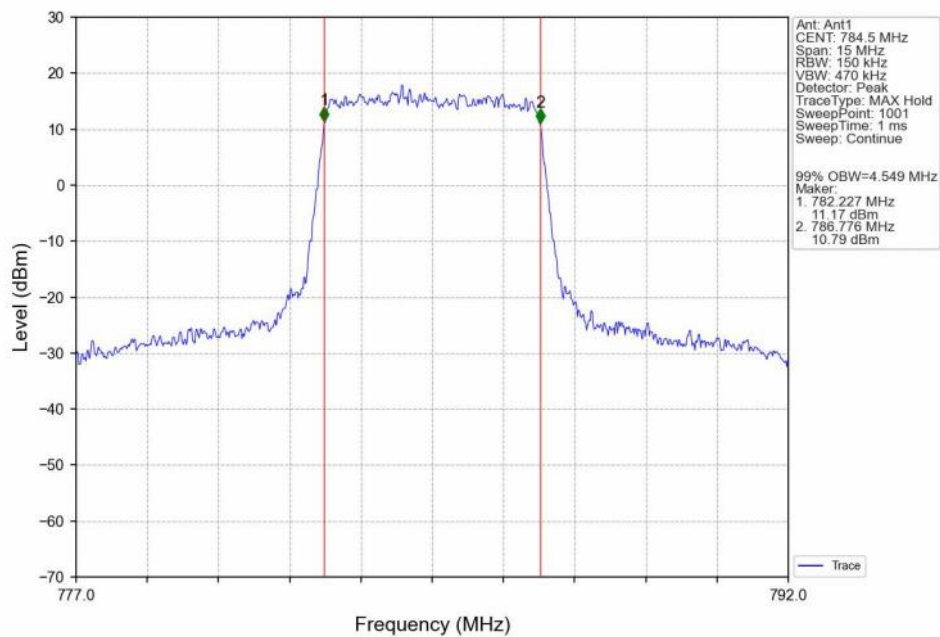
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



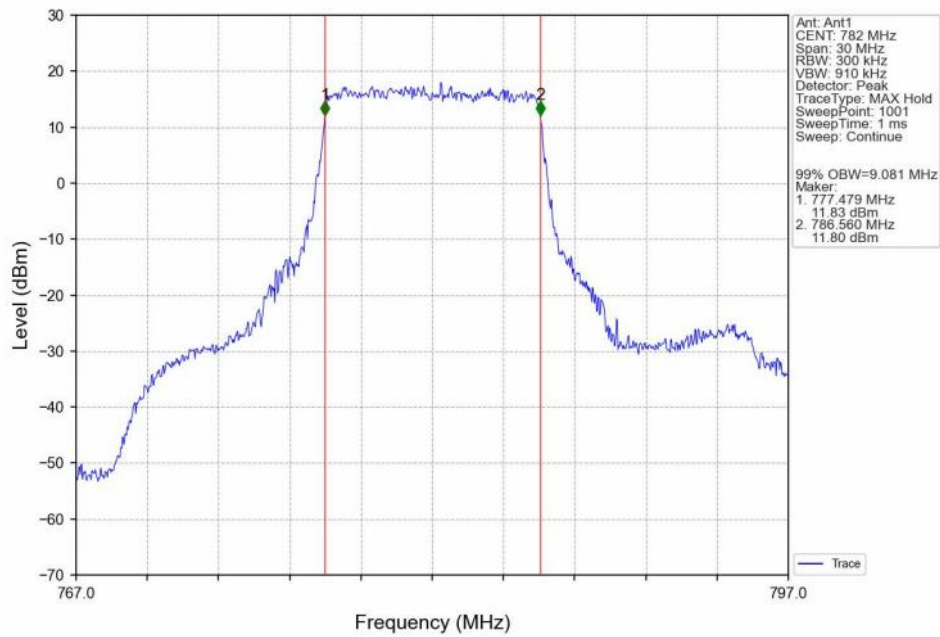
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



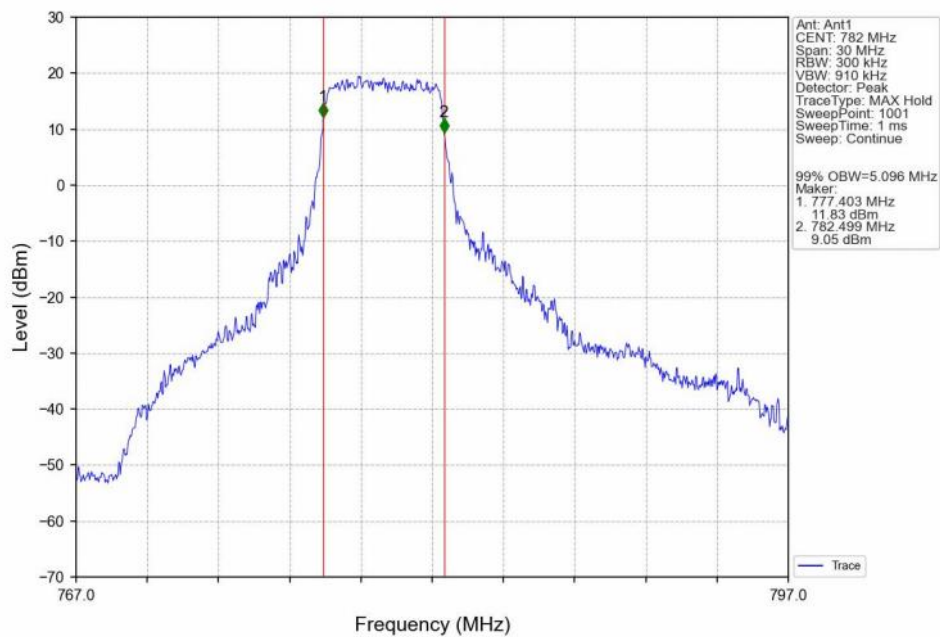
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



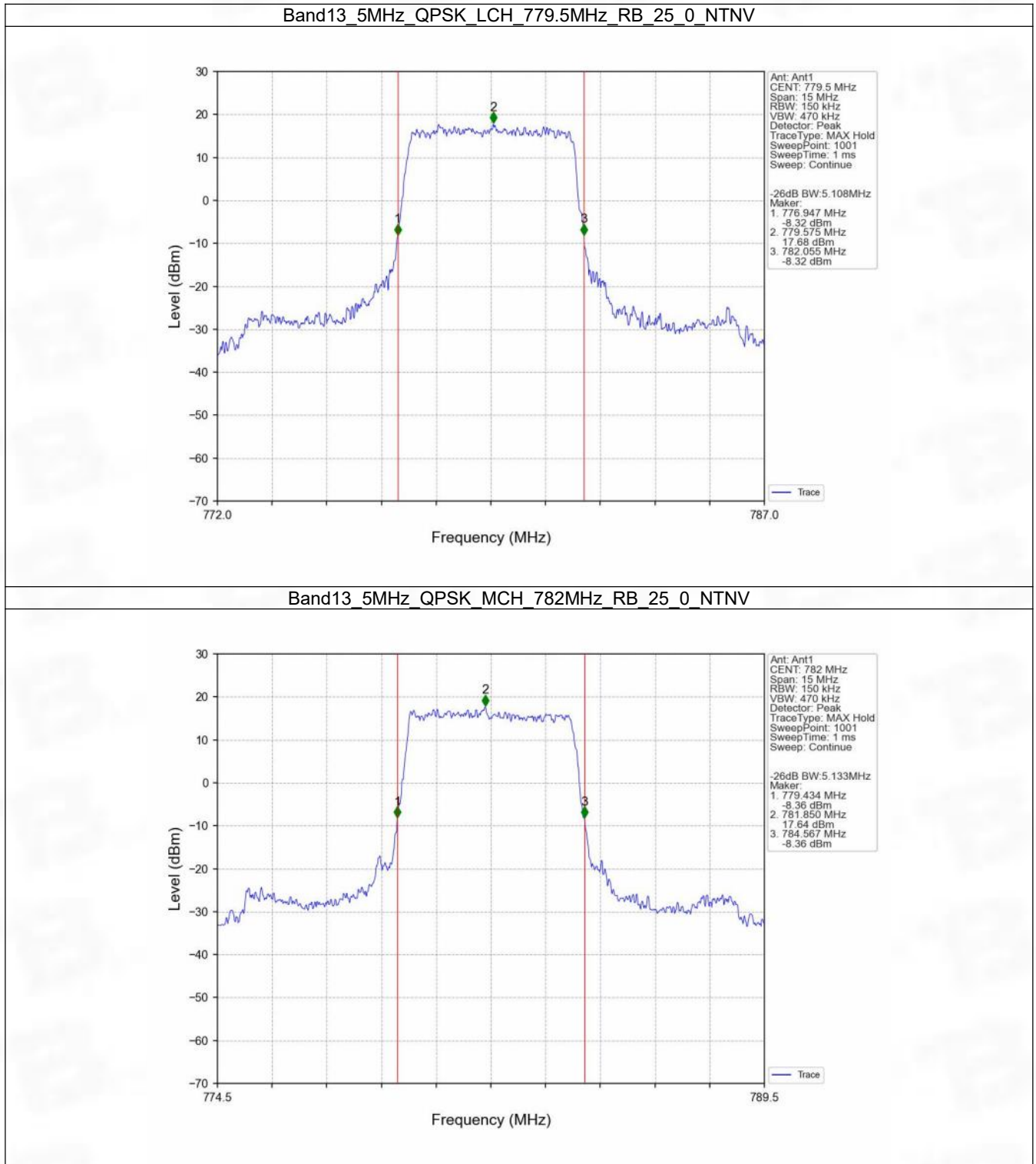
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



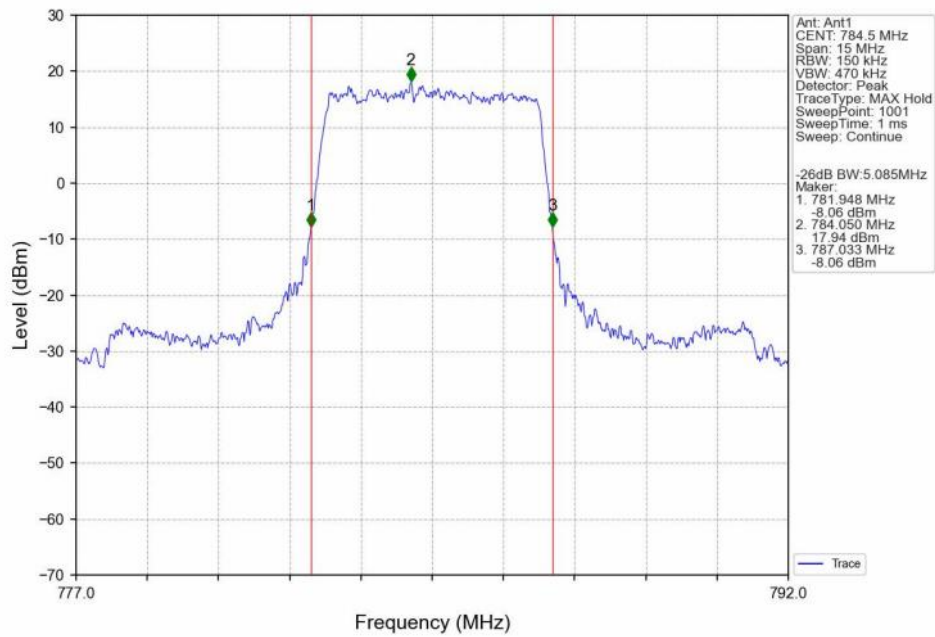
Band13_10MHz_16QAM_MCH_782MHz_RB_27_0_NTNV



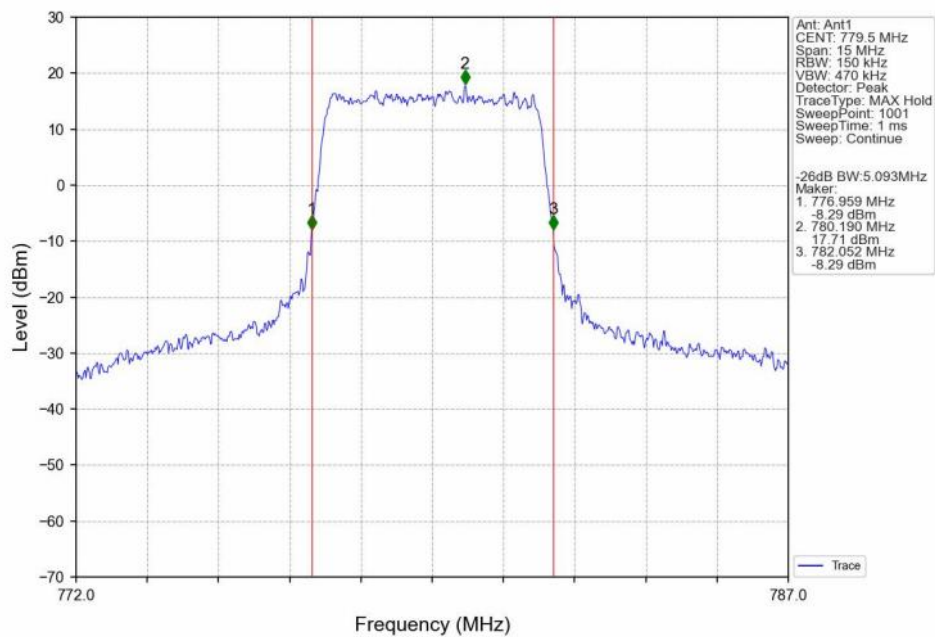
4.2.2 Band13_XDB



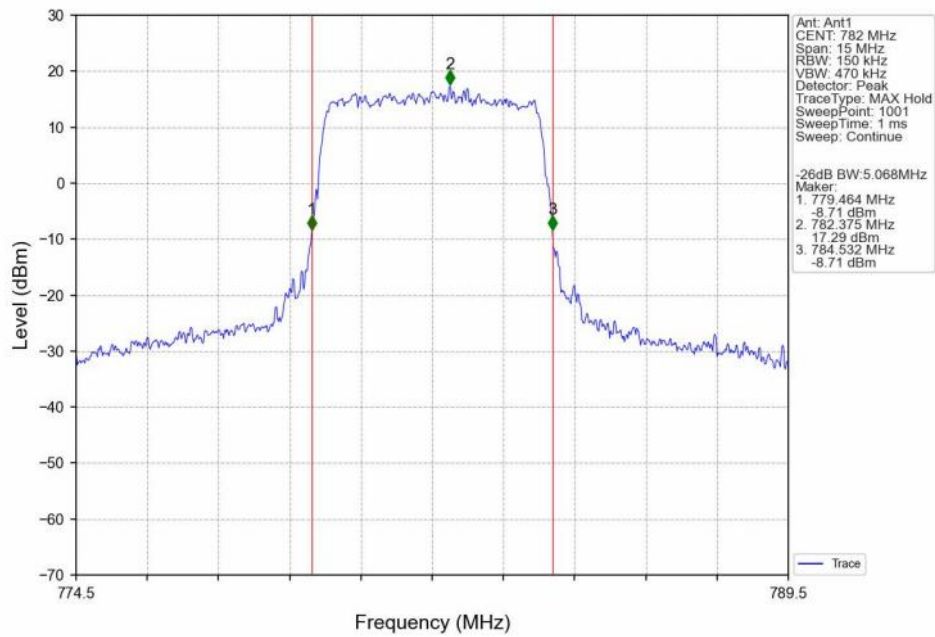
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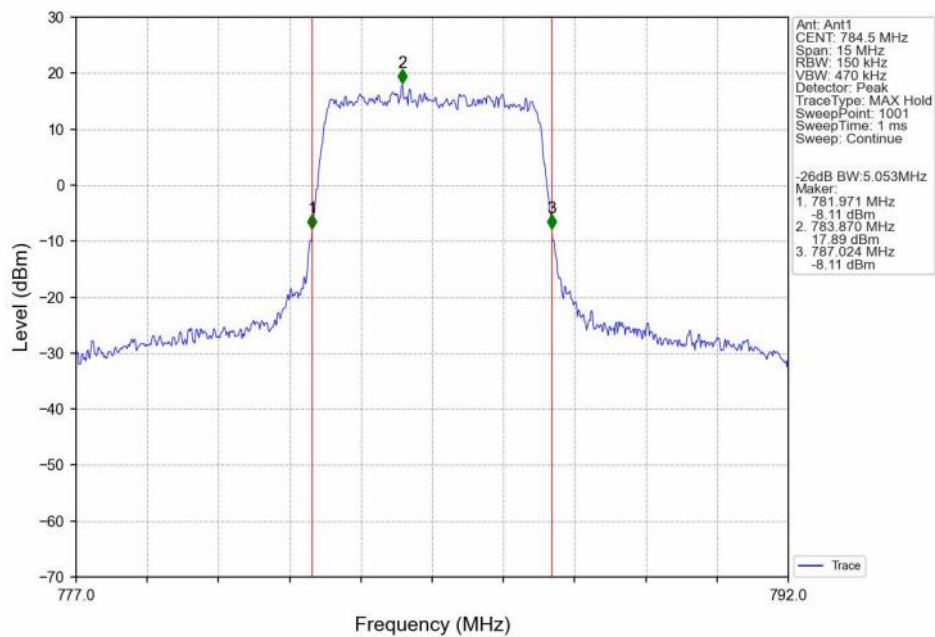
Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV



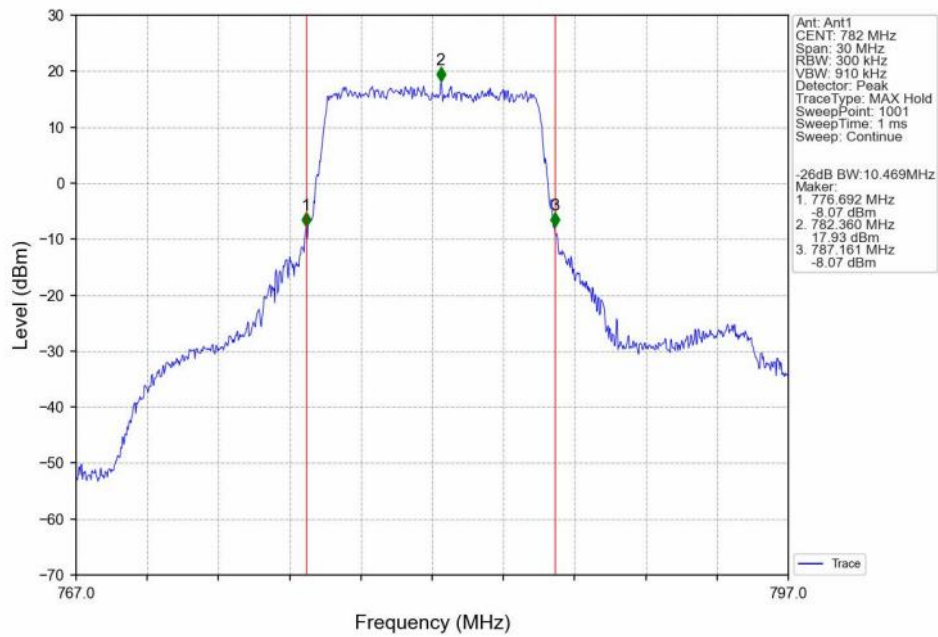
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



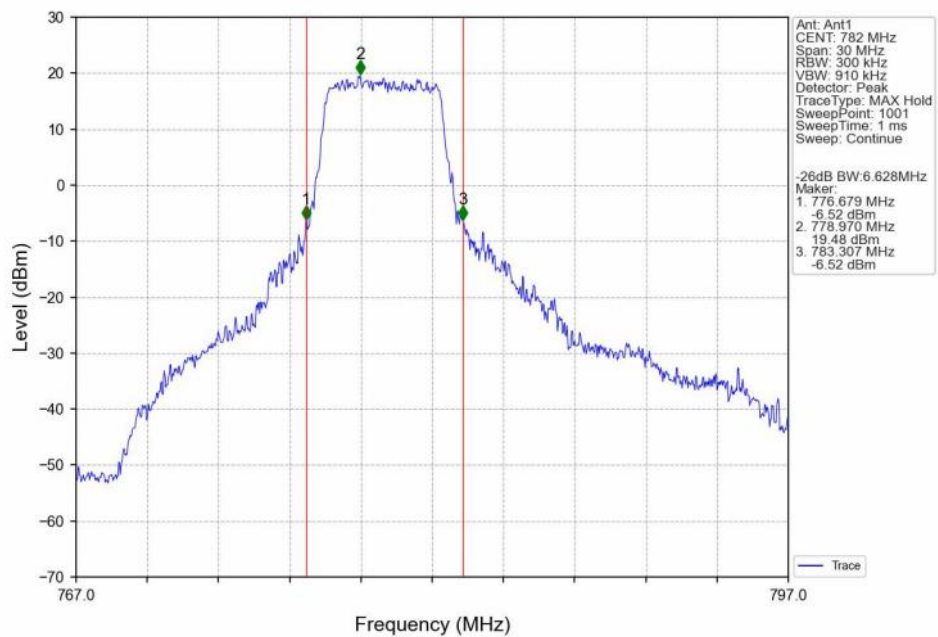
Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



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

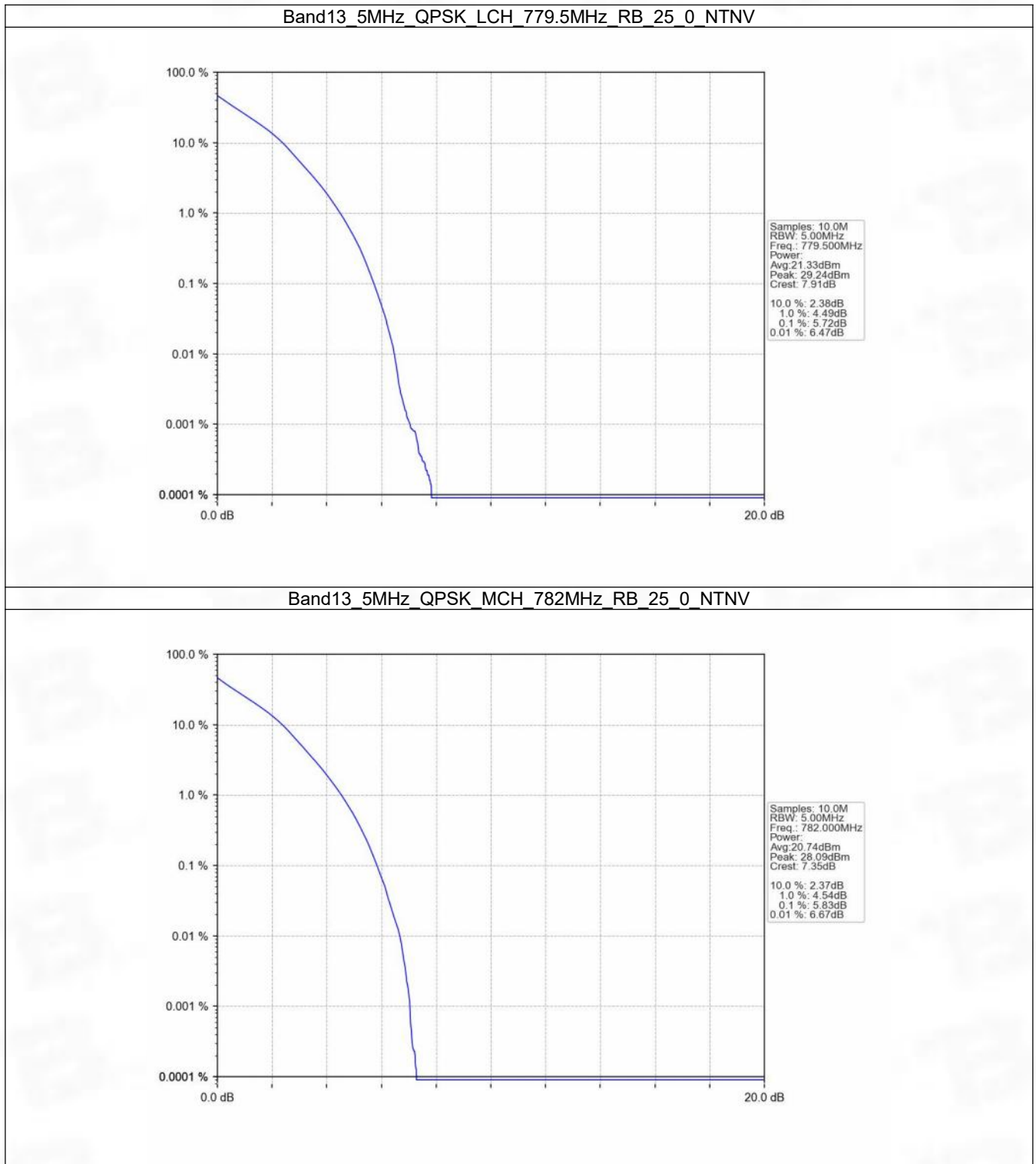
Band: 13 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.72	≤ 13	Pass
	782	25	0	5.83	≤ 13	Pass
	784.5	25	0	5.71	≤ 13	Pass
16QAM	779.5	25	0	6.45	≤ 13	Pass
	782	25	0	6.40	≤ 13	Pass
	784.5	25	0	6.60	≤ 13	Pass

5.1.2 B13_10MHz

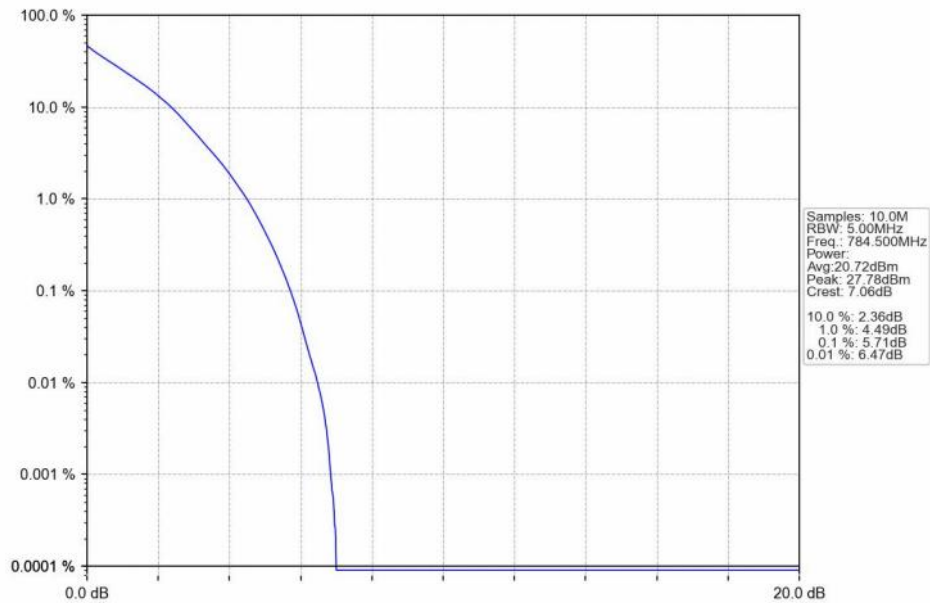
Band: 13 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.72	≤ 13	Pass
16QAM	782	27	0	6.48	≤ 13	Pass

5.2 Test Graph

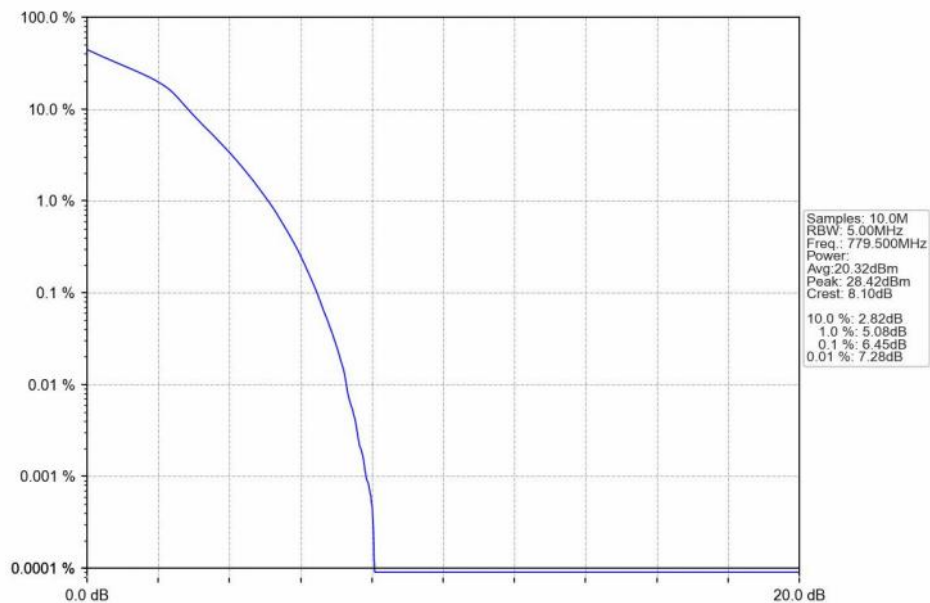
5.2.1 B13_5MHz



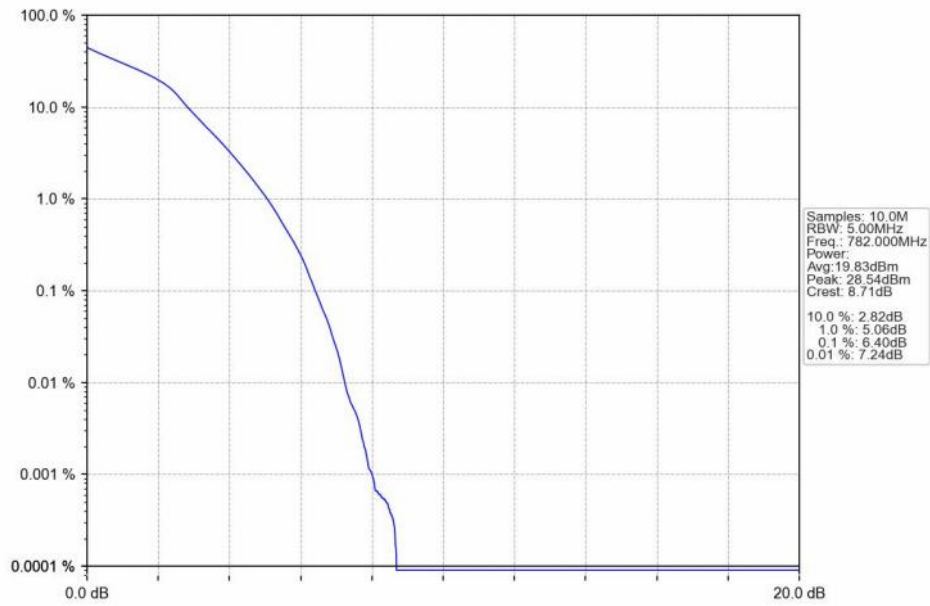
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



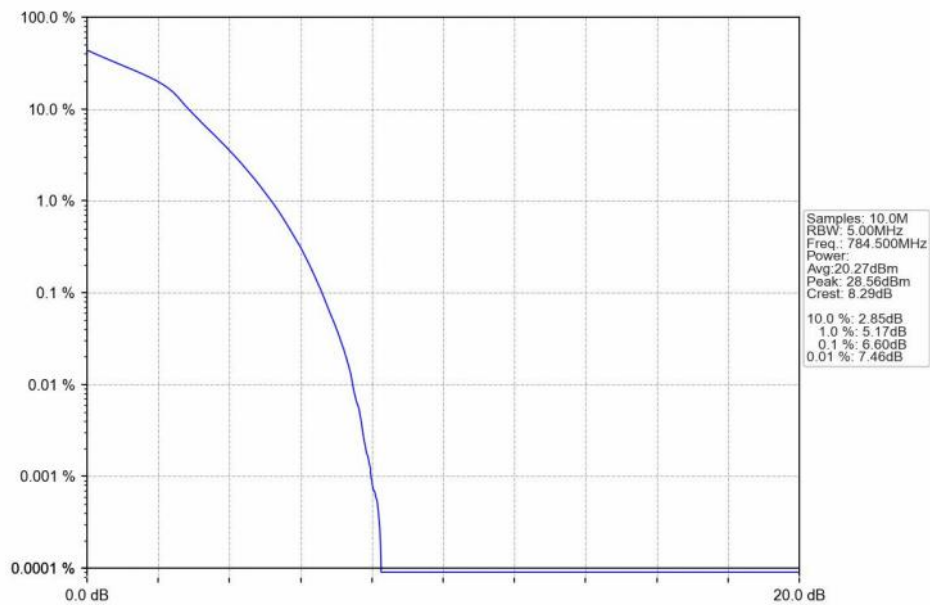
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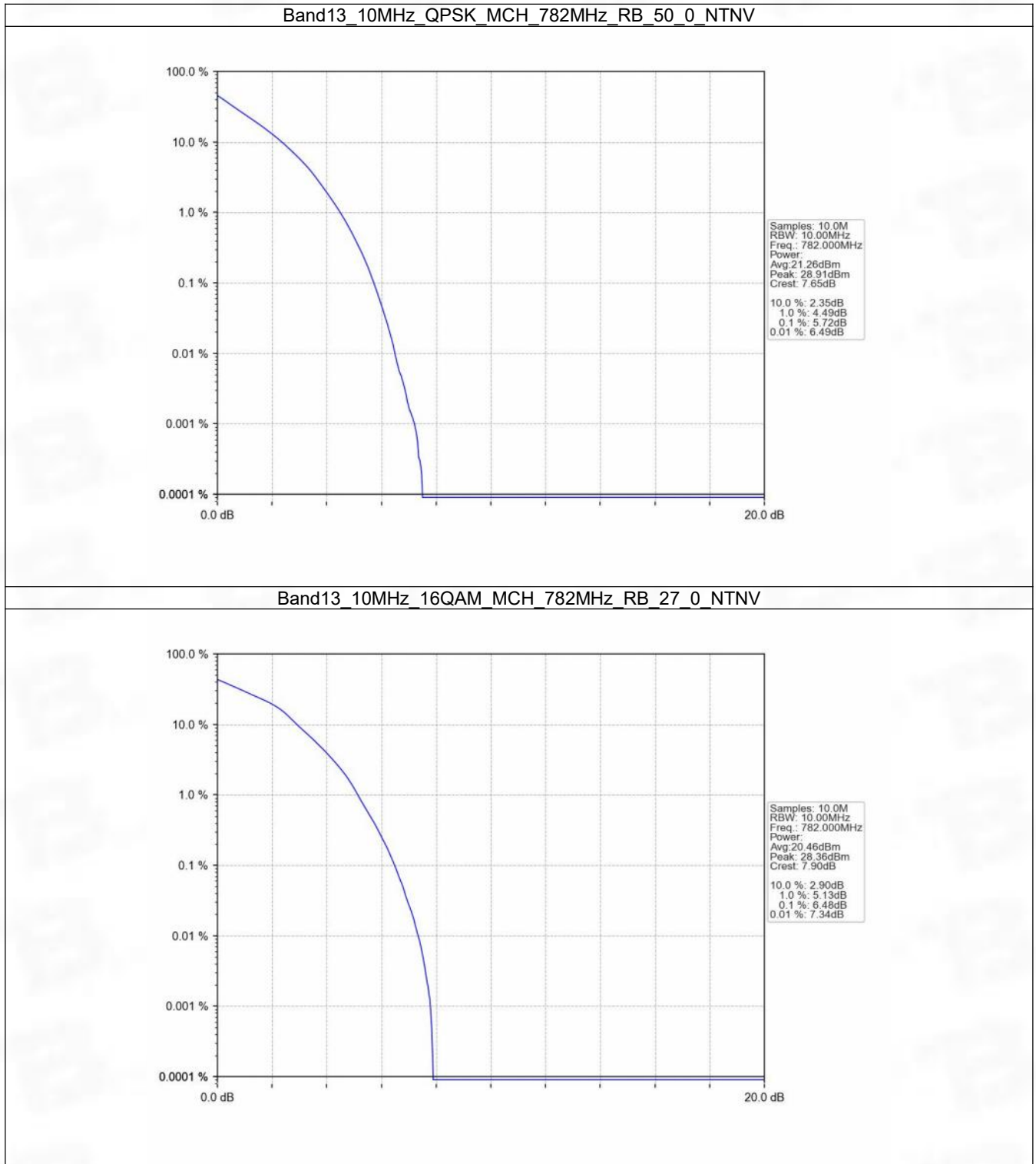
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



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

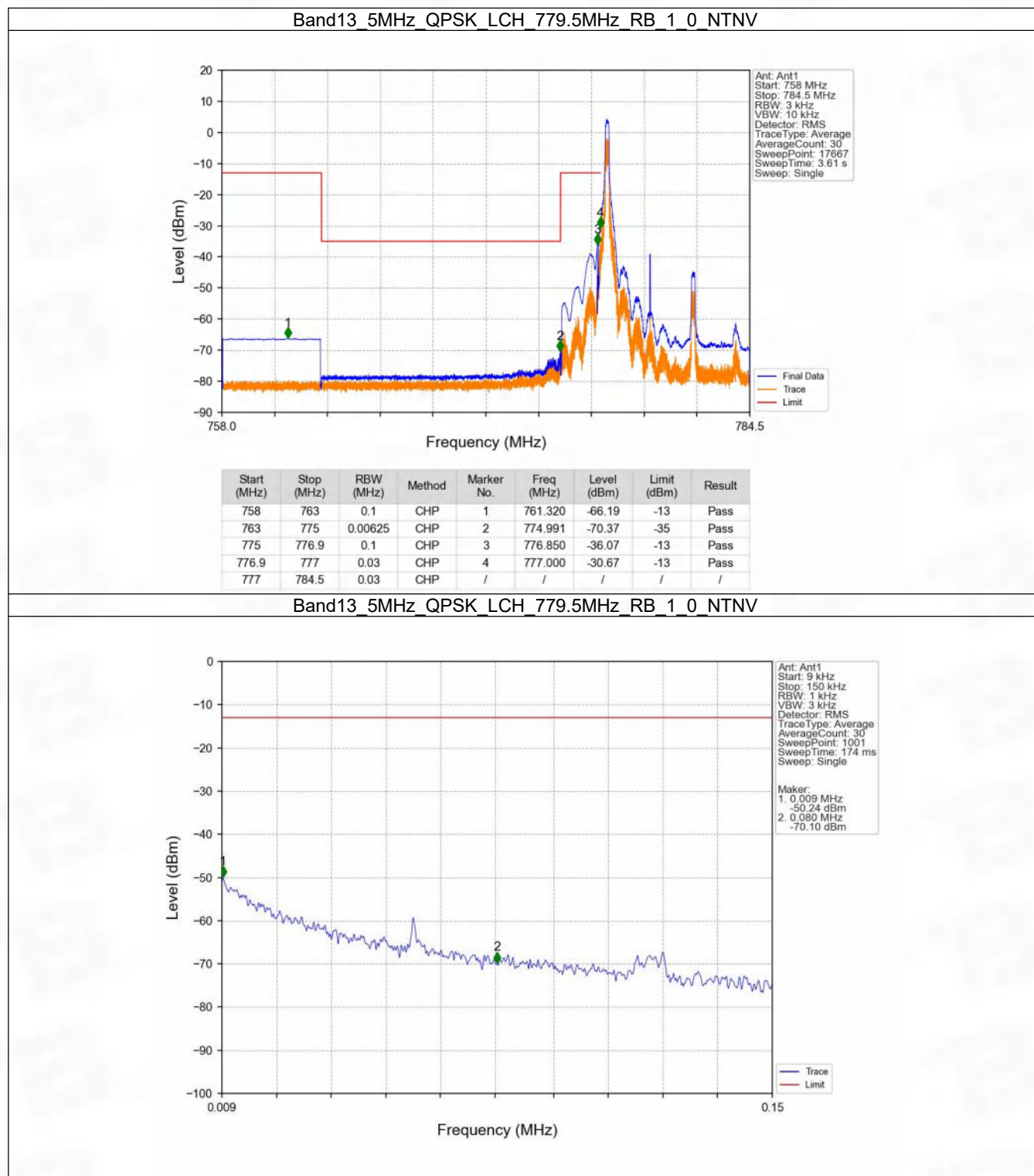
Band: 13 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.2 B13_10MHz

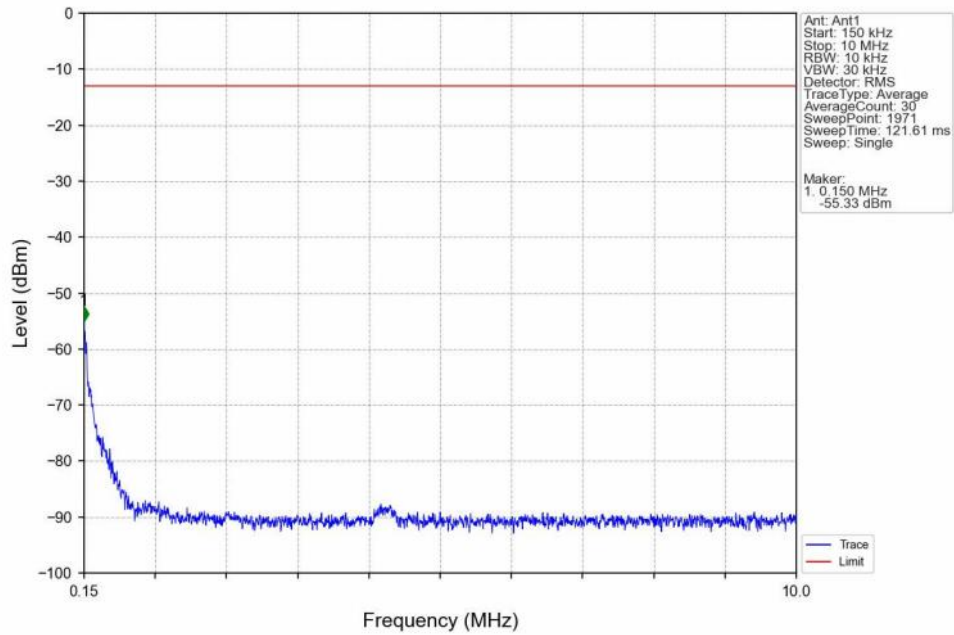
Band: 13 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	782	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	782	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	782	1	0	Refer To Test Graph	Pass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

6.2 Test Graph

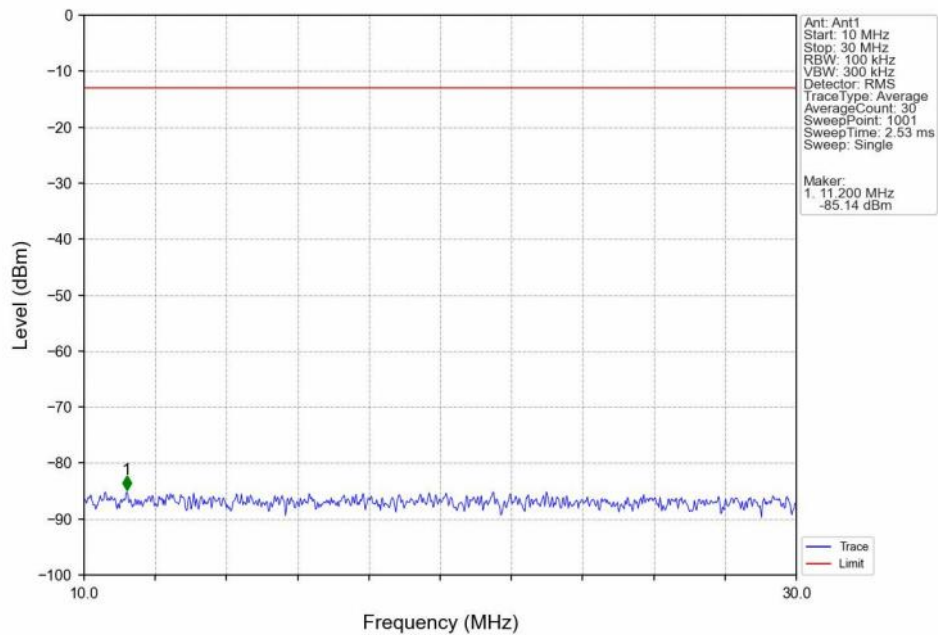
6.2.1 B13_5MHz



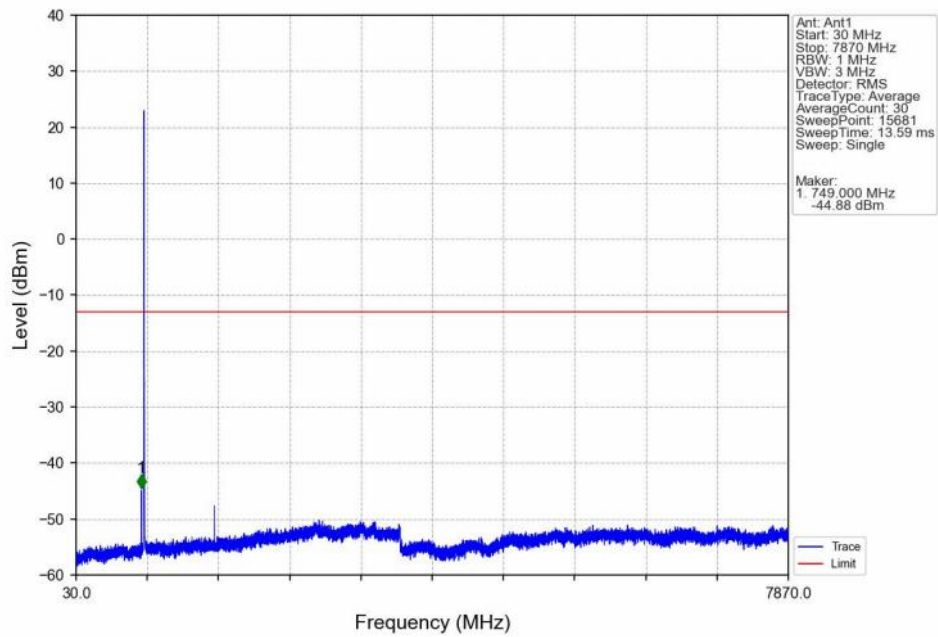
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



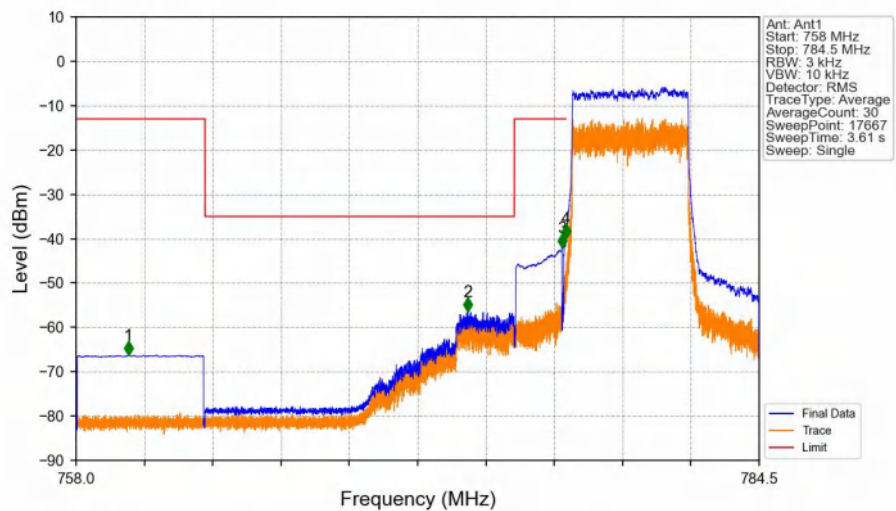
Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

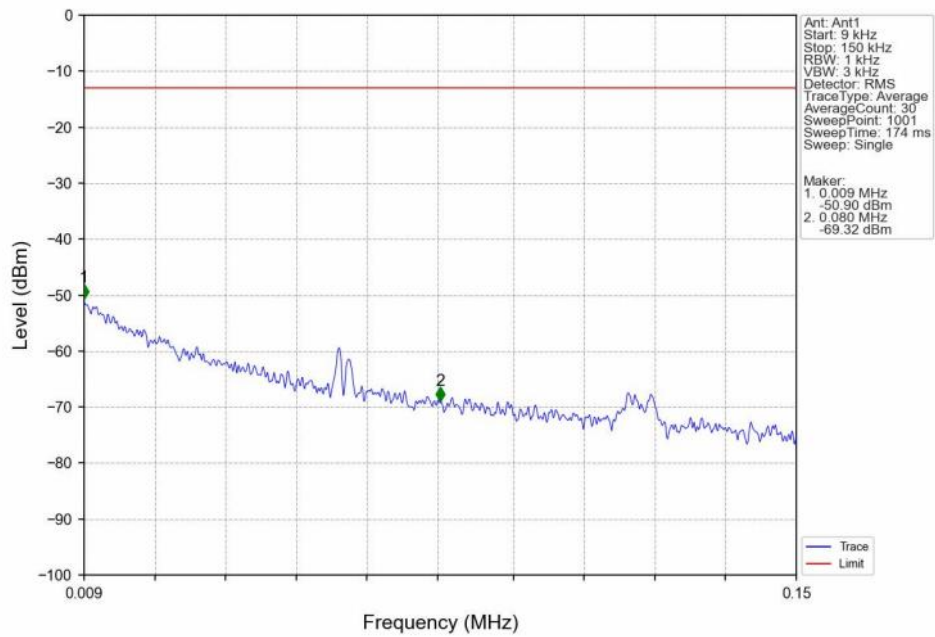


Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV

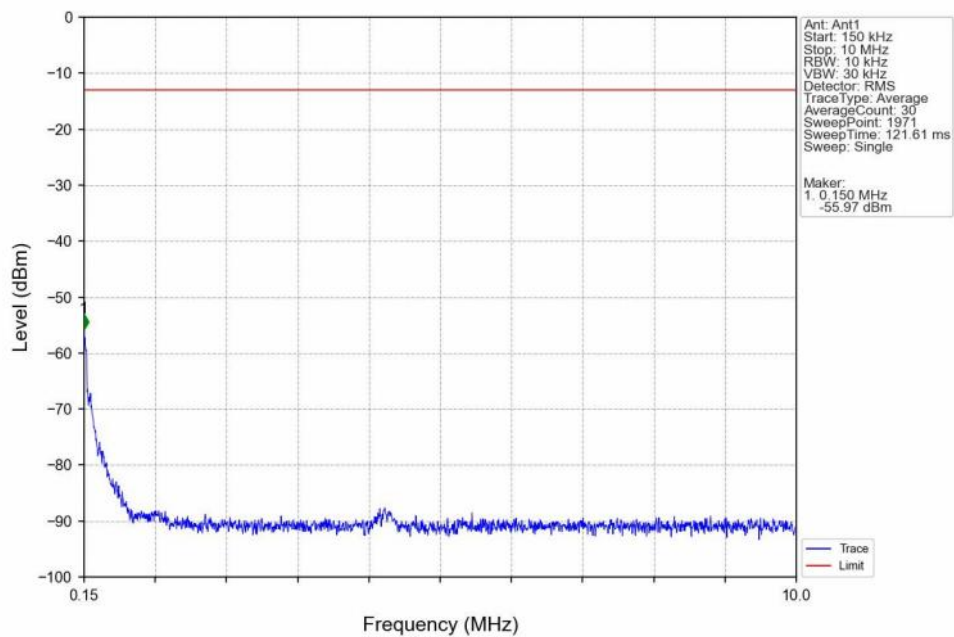


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.036	-66.22	-13	Pass
763	775	0.00625	CHP	2	773.193	-56.45	-35	Pass
775	776.9	0.1	CHP	3	776.850	-42.03	-13	Pass
776.9	777	0.03	CHP	4	777.000	-39.85	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

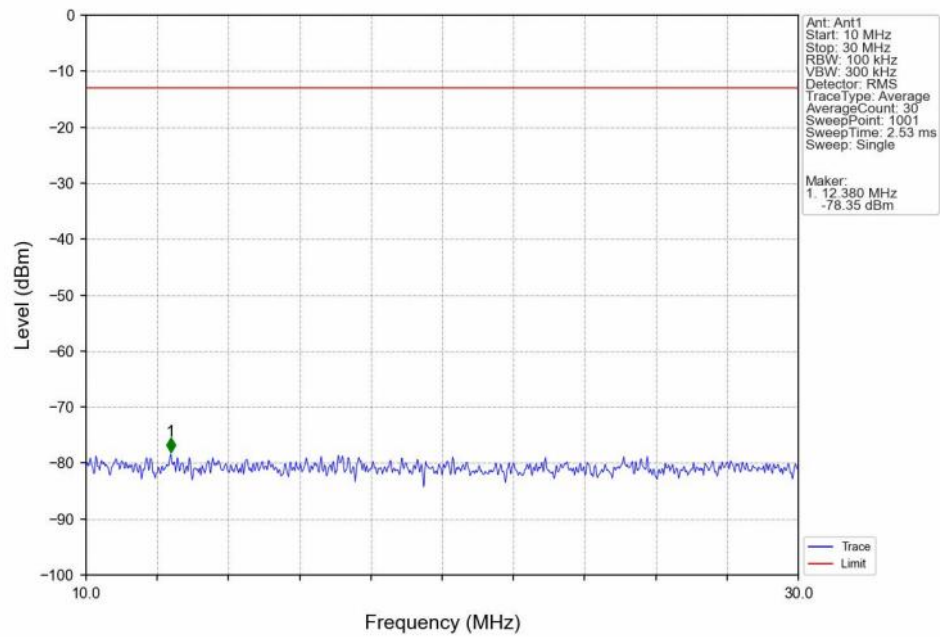
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



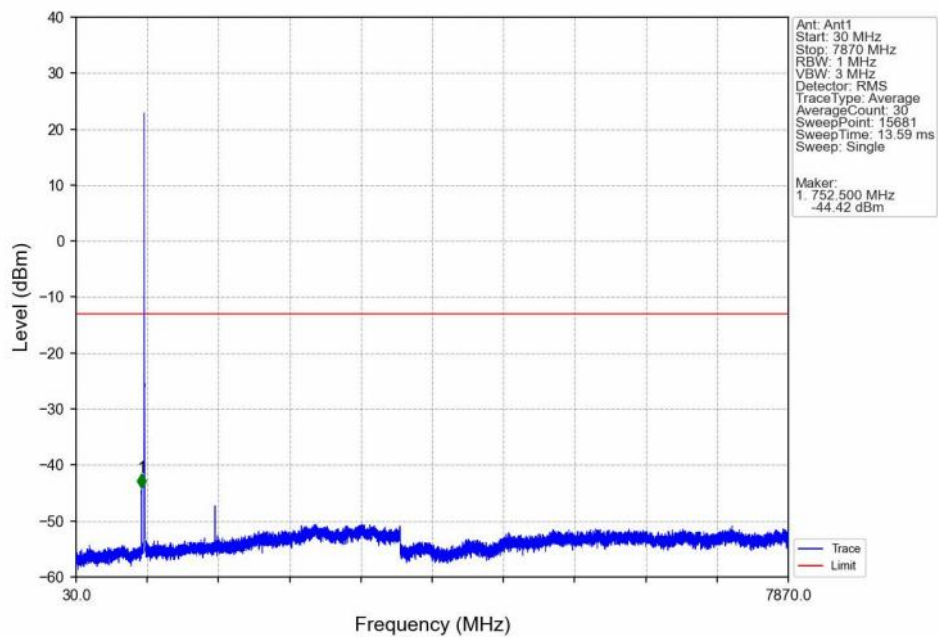
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



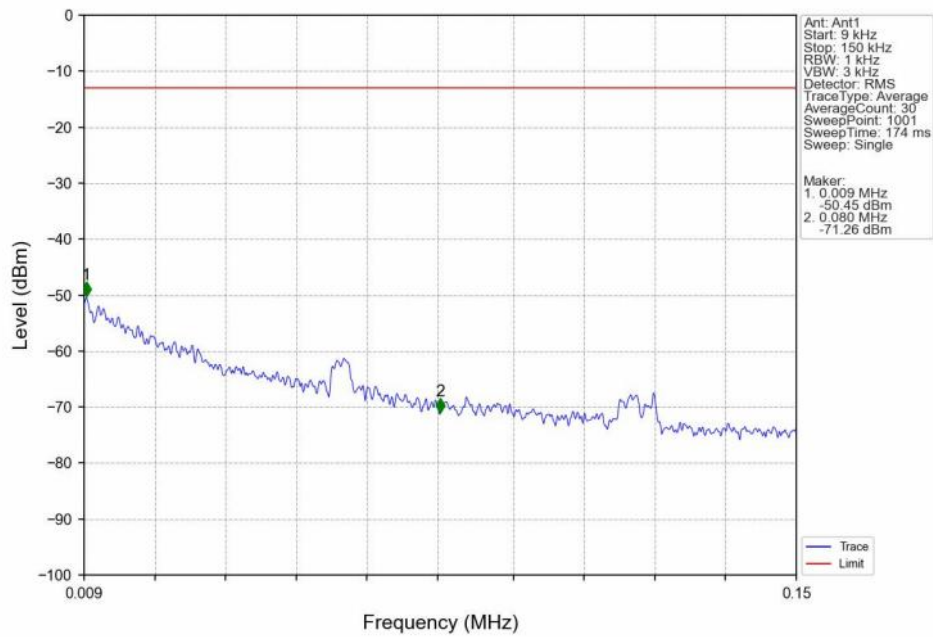
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



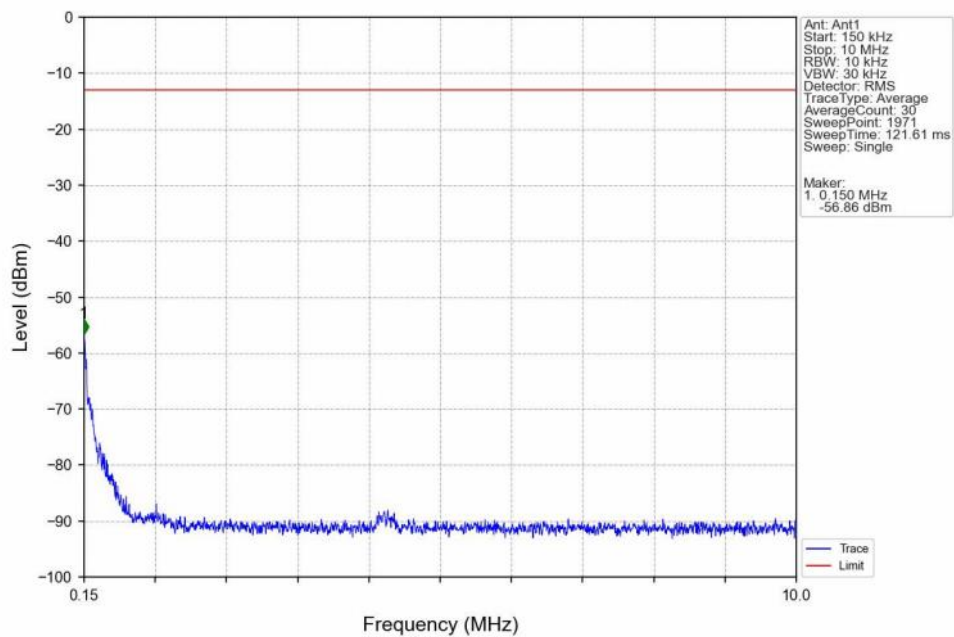
Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



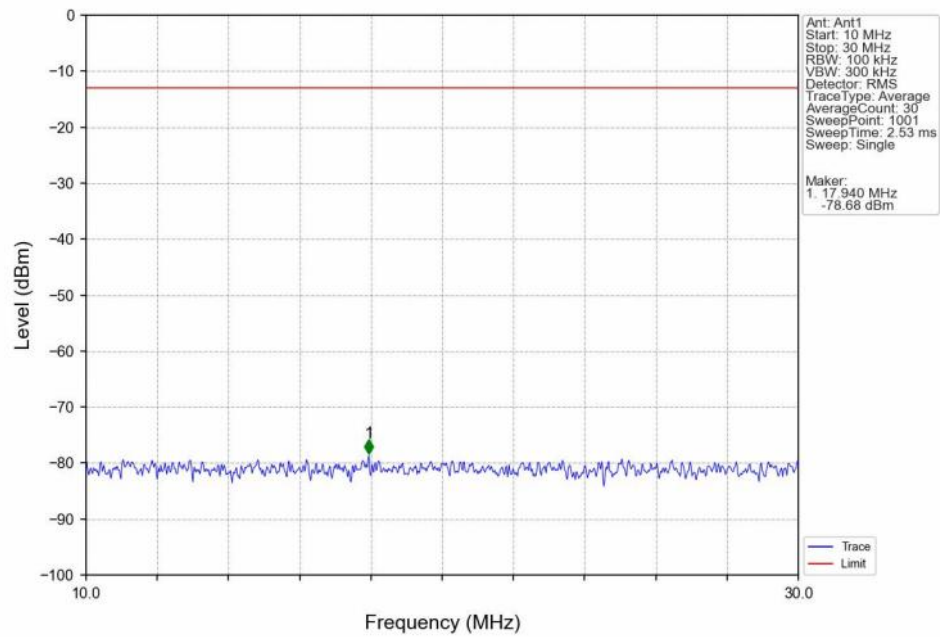
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



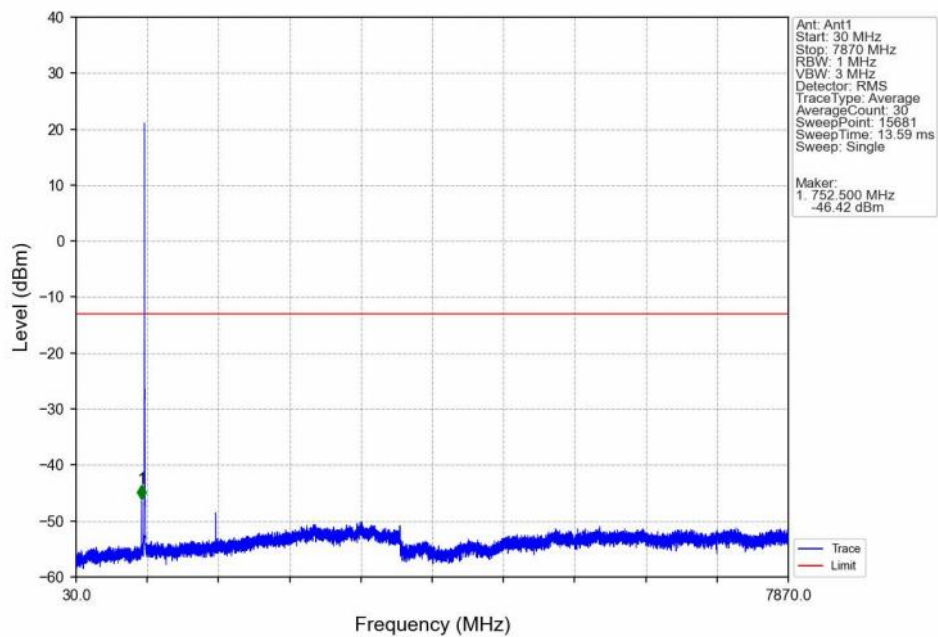
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



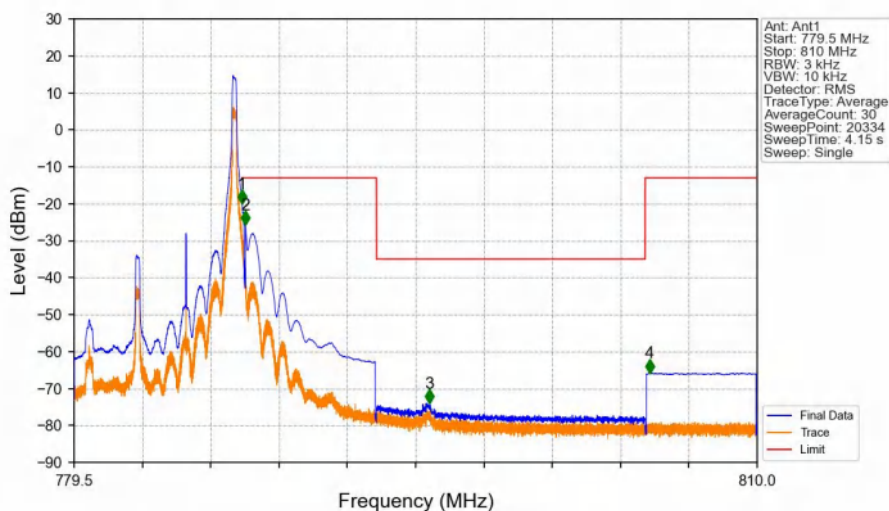
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV

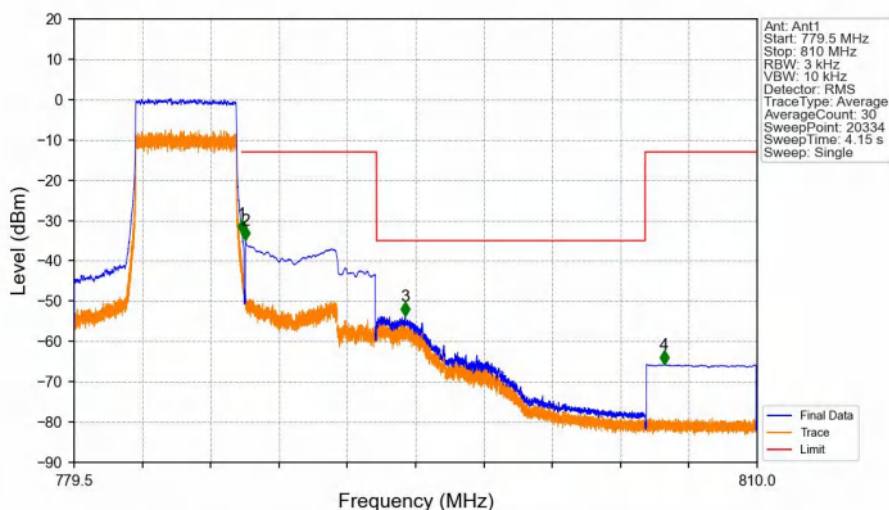


Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



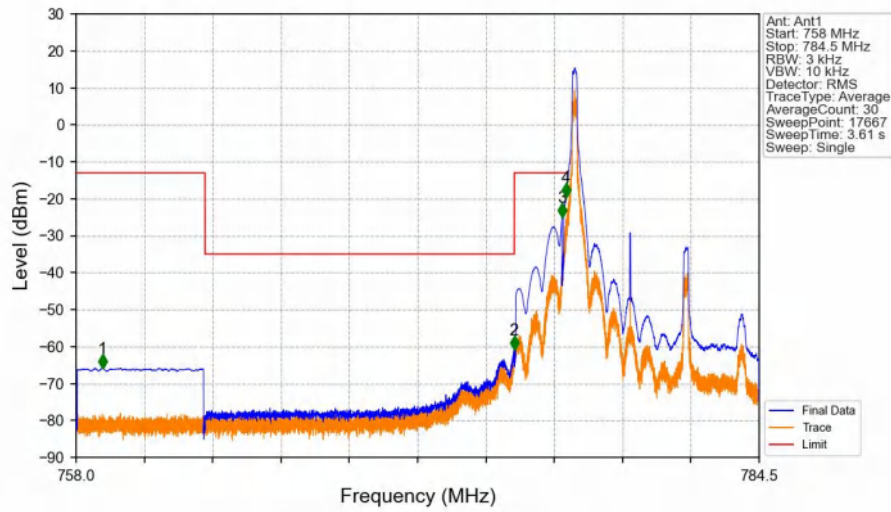
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-20.07	-13	Pass
787.1	793	0.1	CHP	2	787.150	-25.63	-13	Pass
793	805	0.00625	CHP	3	795.379	-73.89	-35	Pass
805	810	0.1	CHP	4	805.194	-65.78	-13	Pass

Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



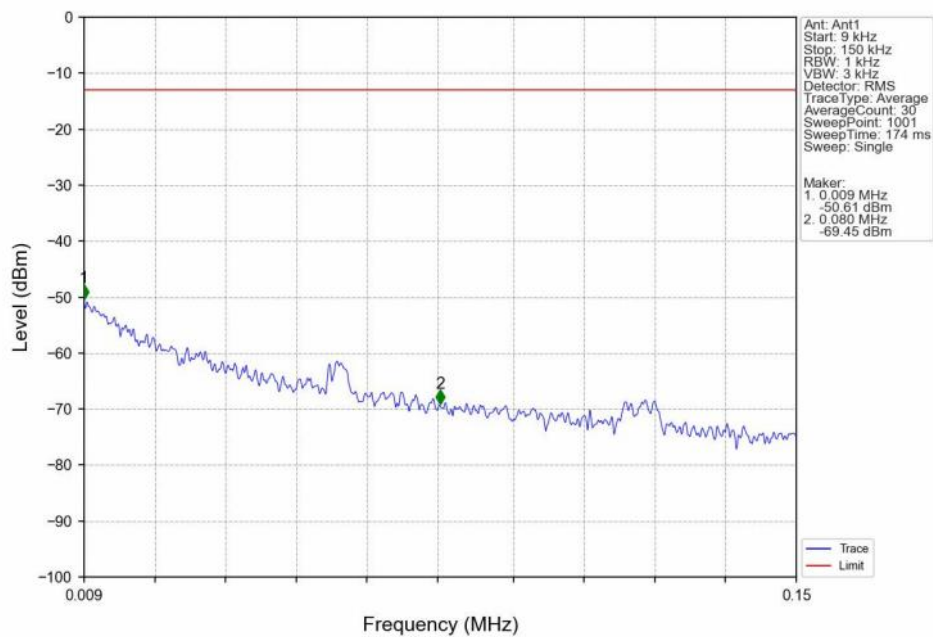
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-33.16	-13	Pass
787.1	793	0.1	CHP	2	787.150	-34.75	-13	Pass
793	805	0.00625	CHP	3	794.286	-53.65	-35	Pass
805	810	0.1	CHP	4	805.851	-65.74	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

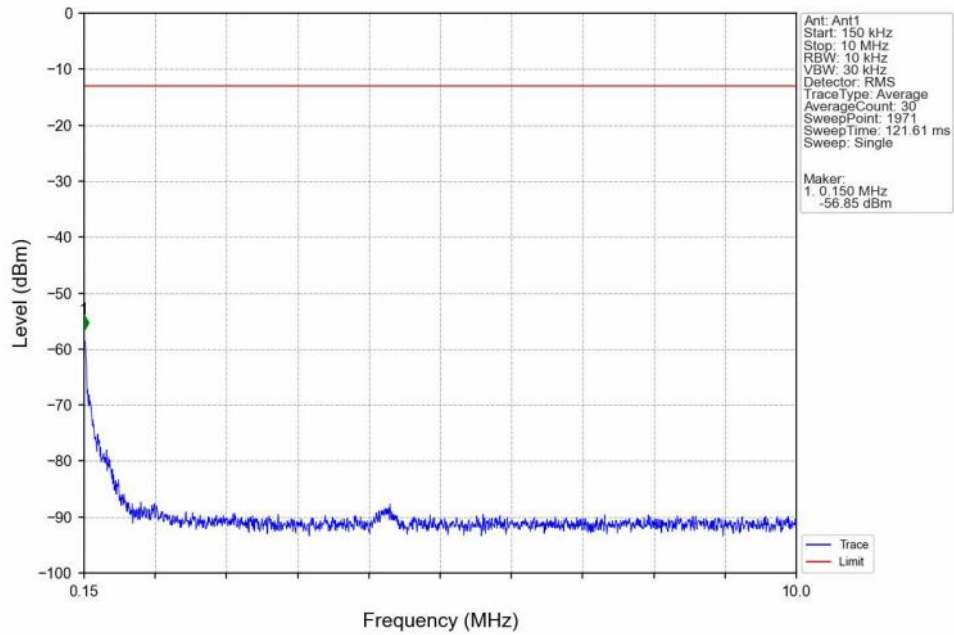


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.025	-65.80	-13	Pass
763	775	0.00625	CHP	2	774.996	-60.97	-35	Pass
775	776.9	0.1	CHP	3	776.850	-25.11	-13	Pass
776.9	777	0.03	CHP	4	776.998	-19.51	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

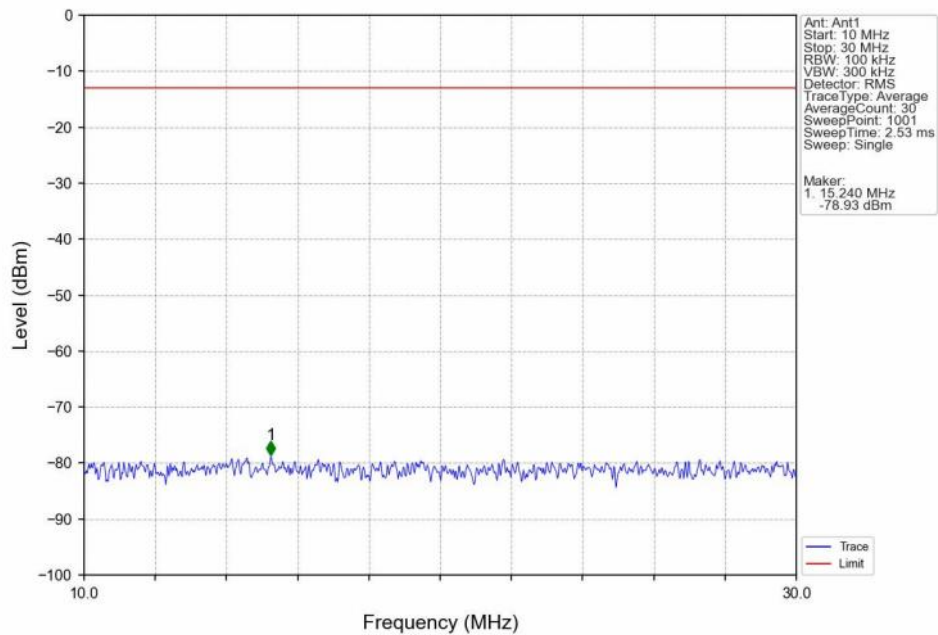
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



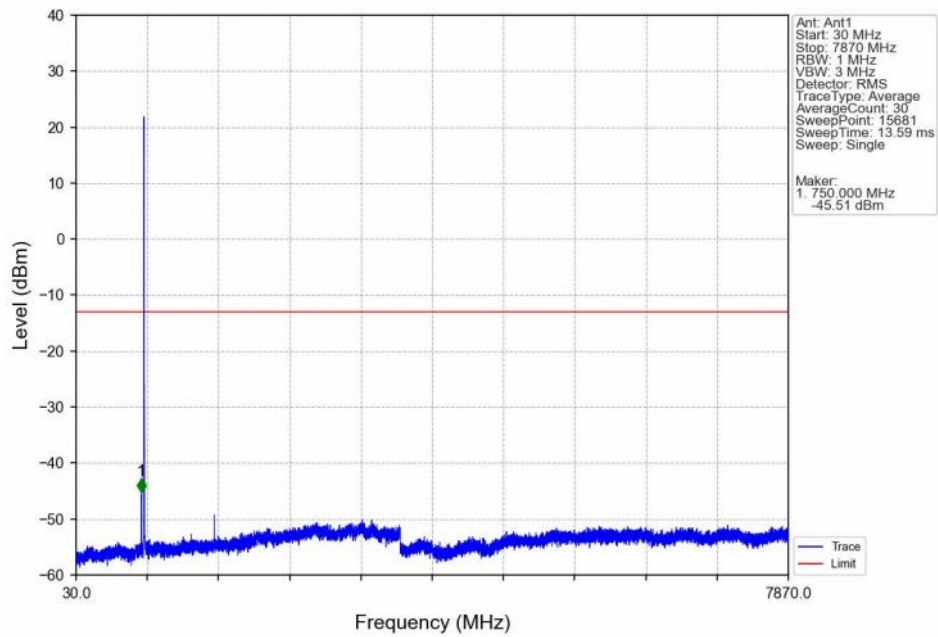
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



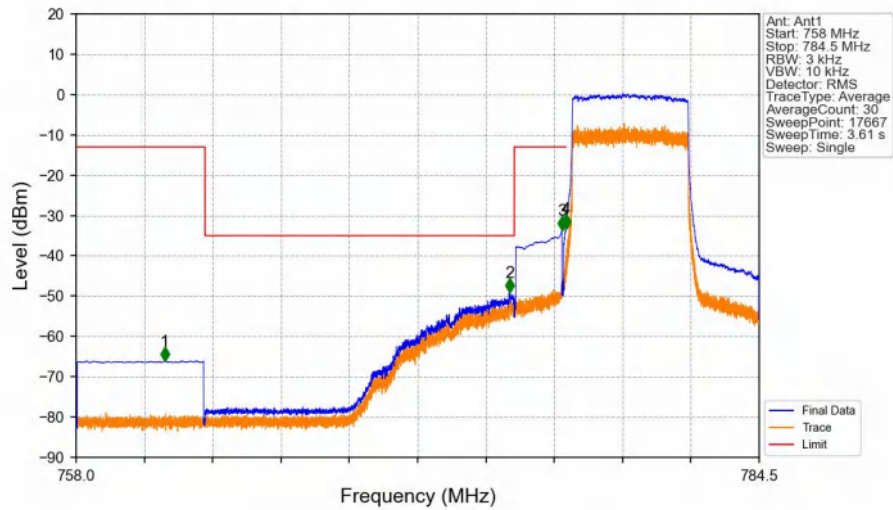
Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

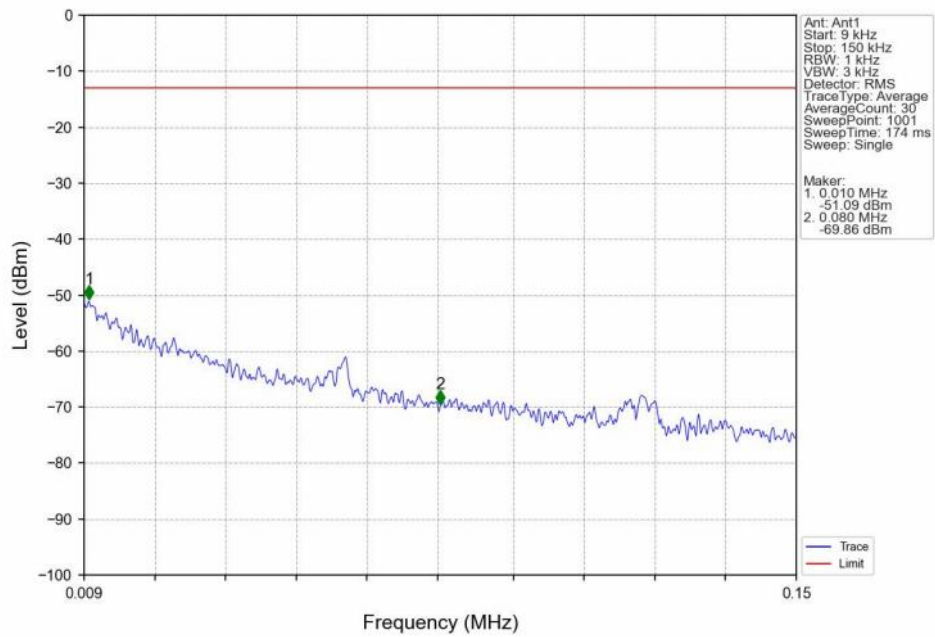


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

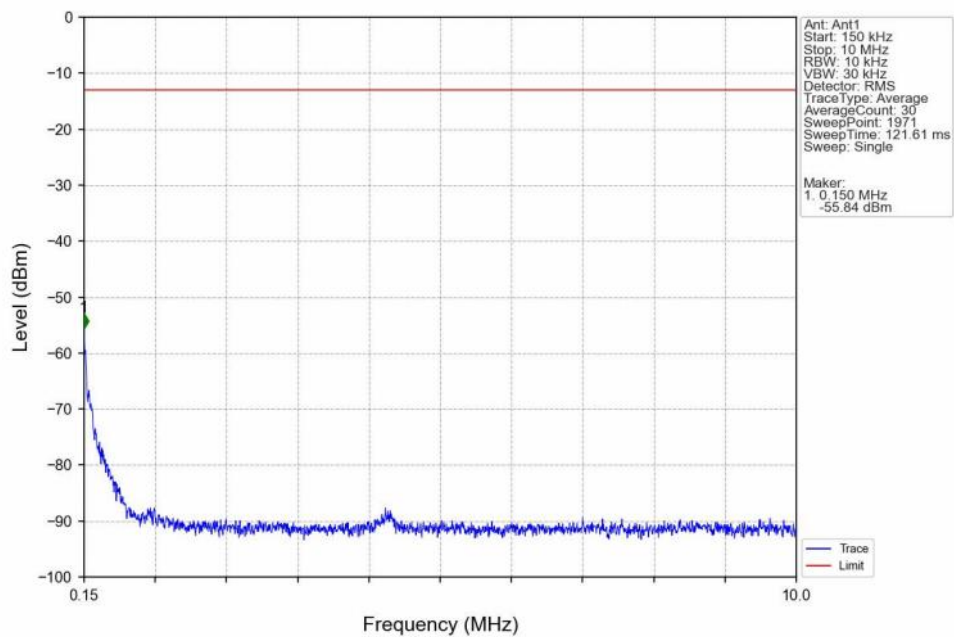


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.431	-66.04	-13	Pass
763	775	0.00625	CHP	2	774.829	-49.16	-35	Pass
775	776.9	0.1	CHP	3	776.850	-33.66	-13	Pass
776.9	777	0.03	CHP	4	777.000	-33.24	-13	Pass
777	784.5	0.03	CHP	/	/	/	/	/

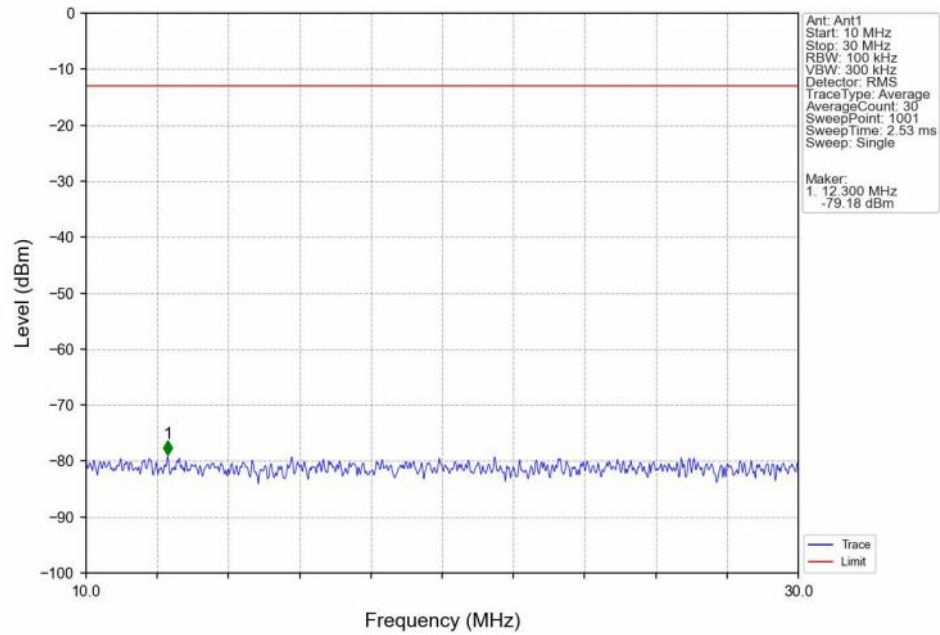
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



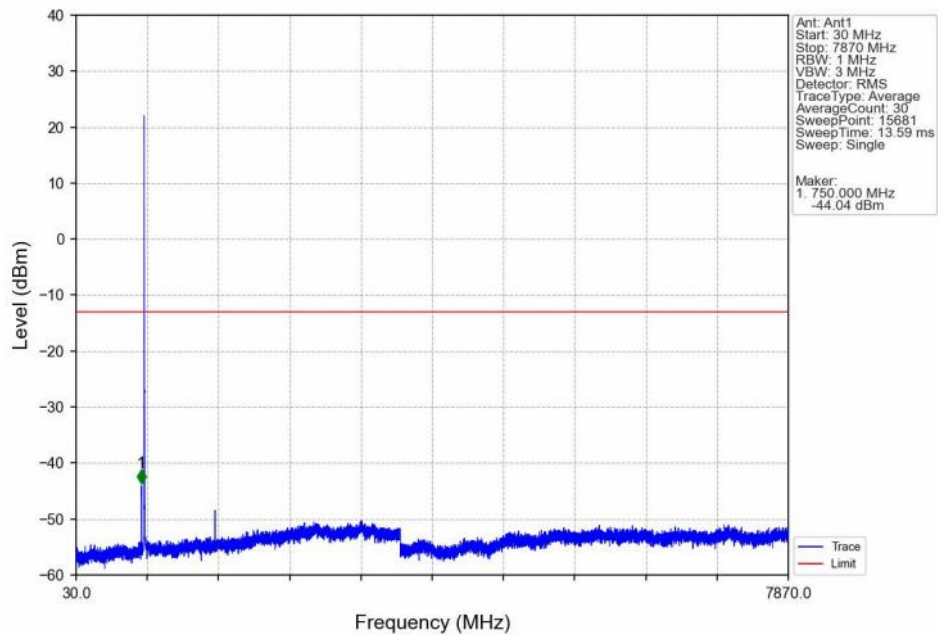
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



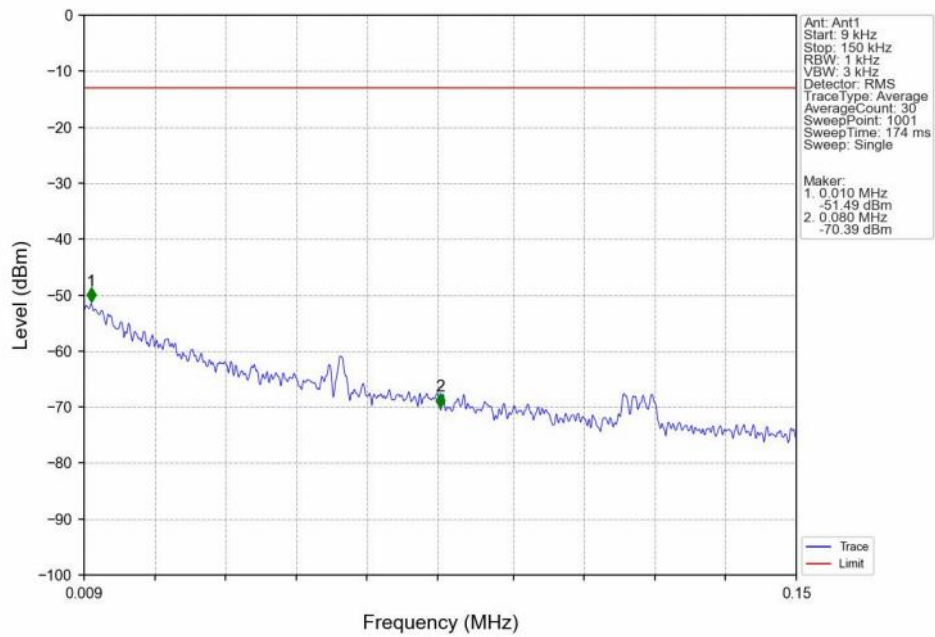
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



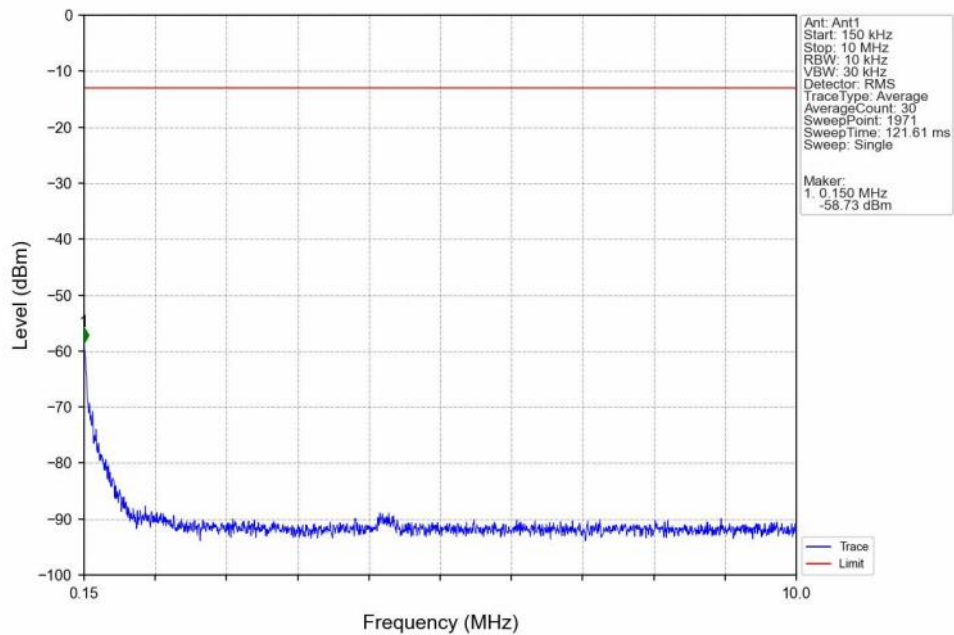
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



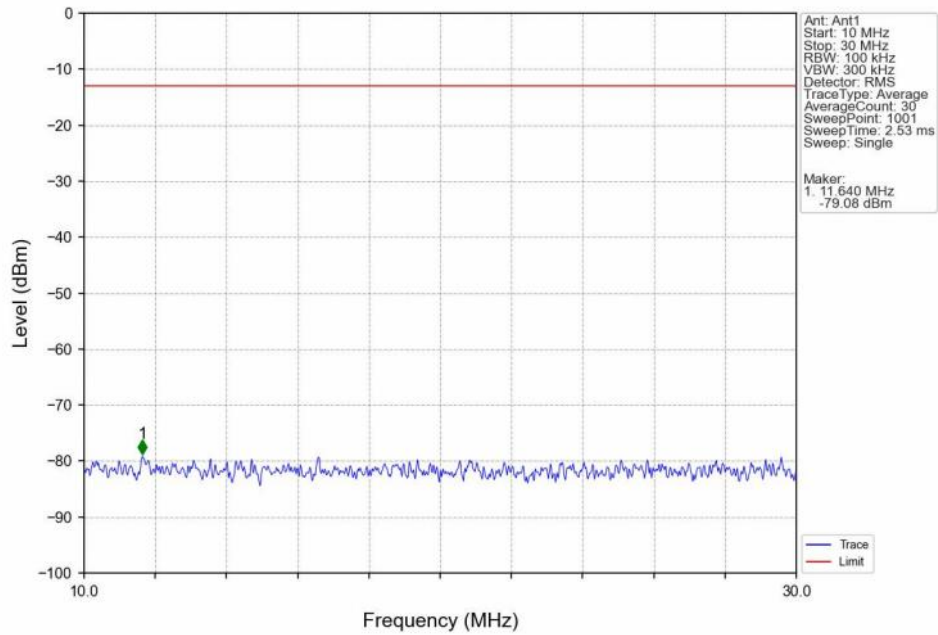
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



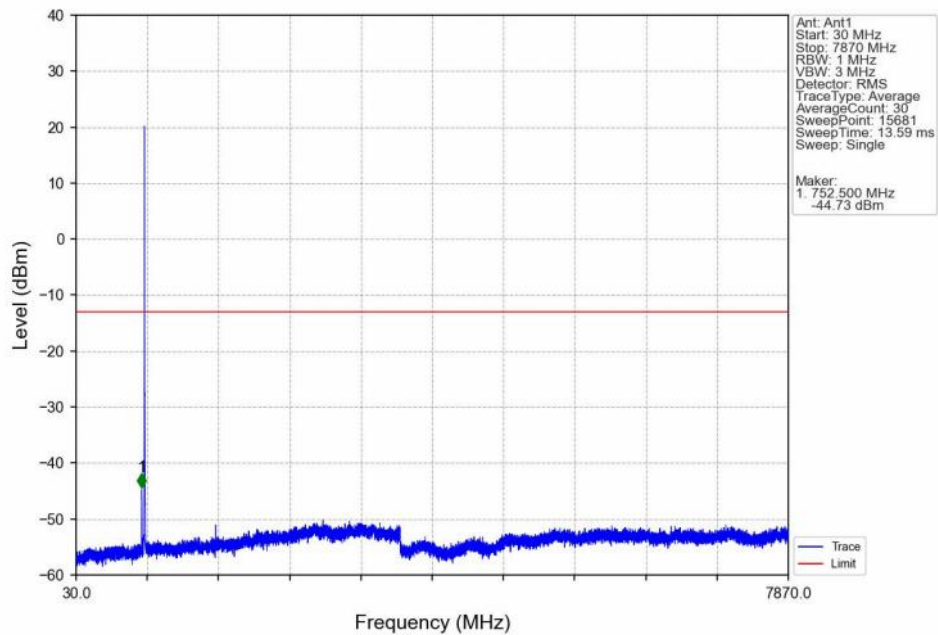
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



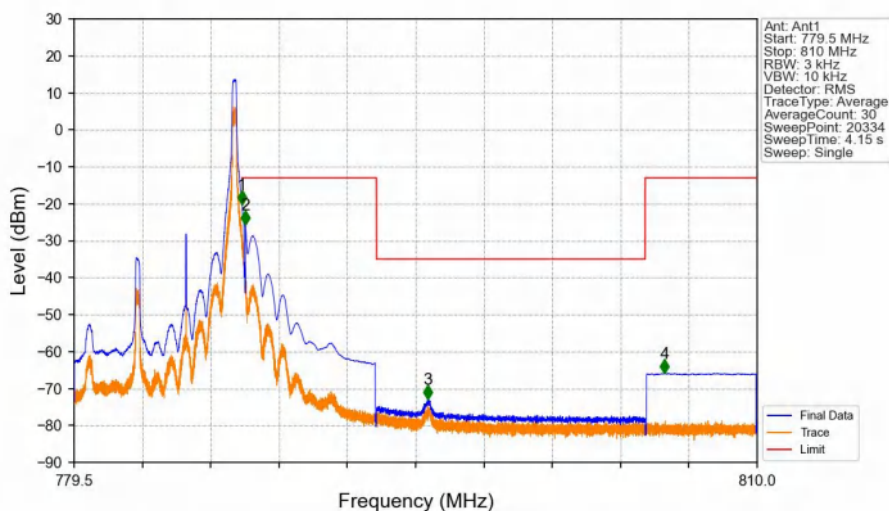
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV

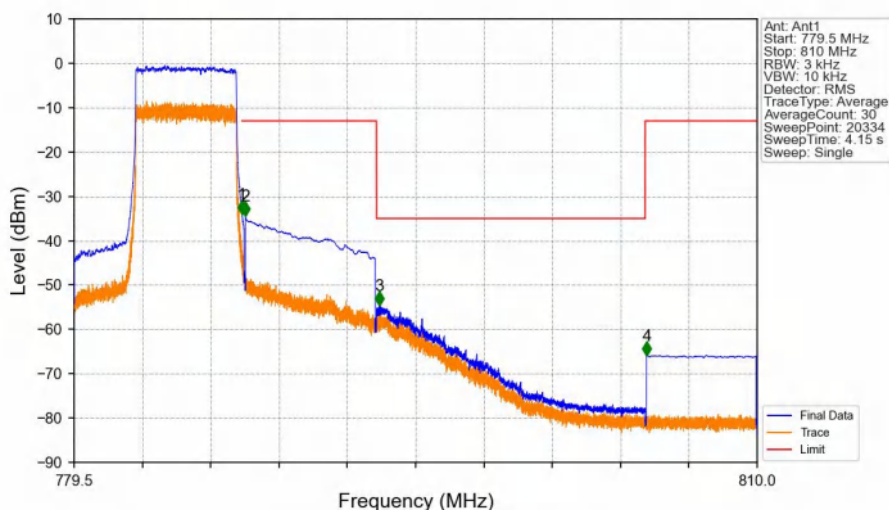


Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



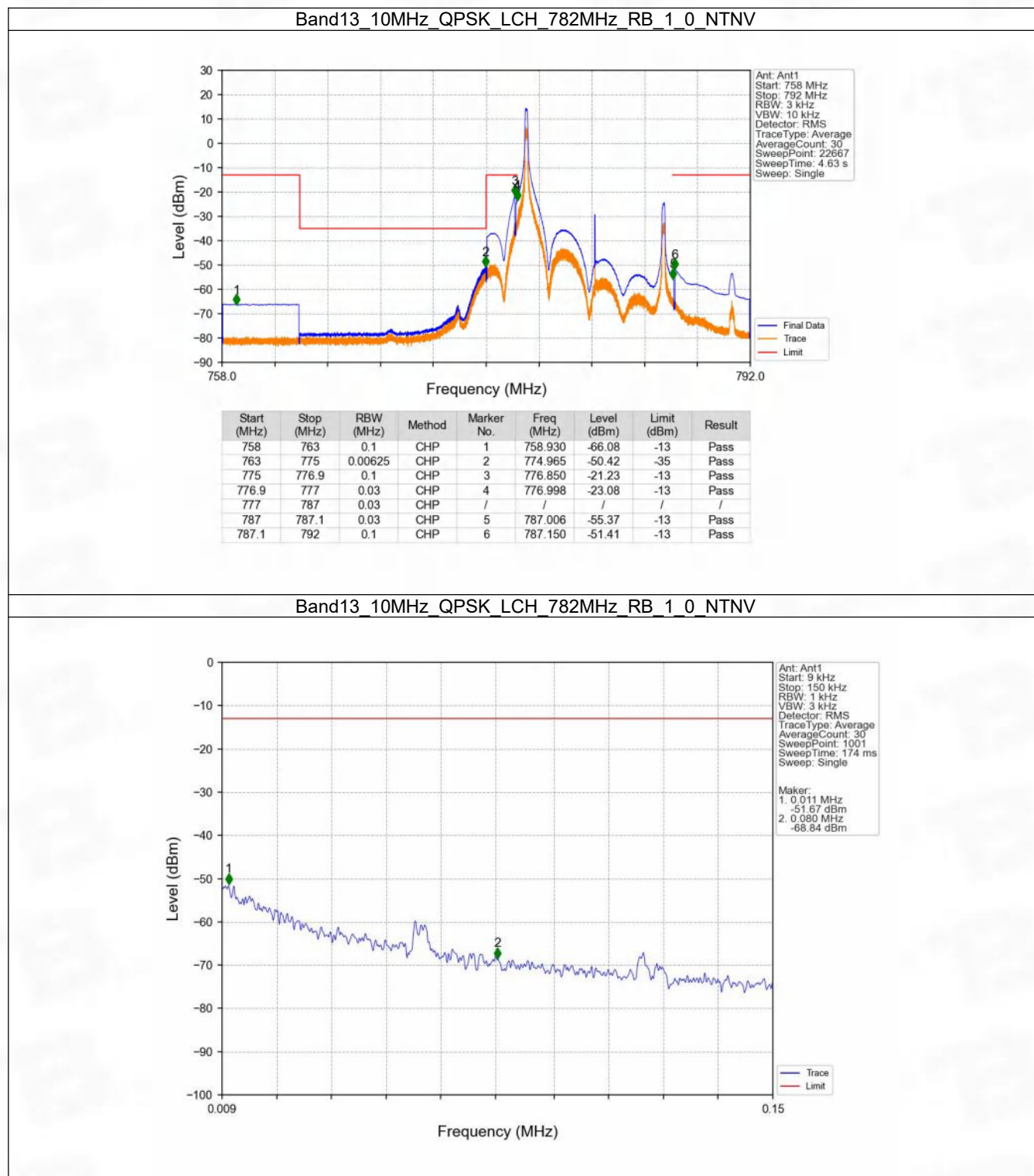
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-20.29	-13	Pass
787.1	793	0.1	CHP	2	787.150	-25.65	-13	Pass
793	805	0.00625	CHP	3	795.306	-72.92	-35	Pass
805	810	0.1	CHP	4	805.869	-65.88	-13	Pass

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

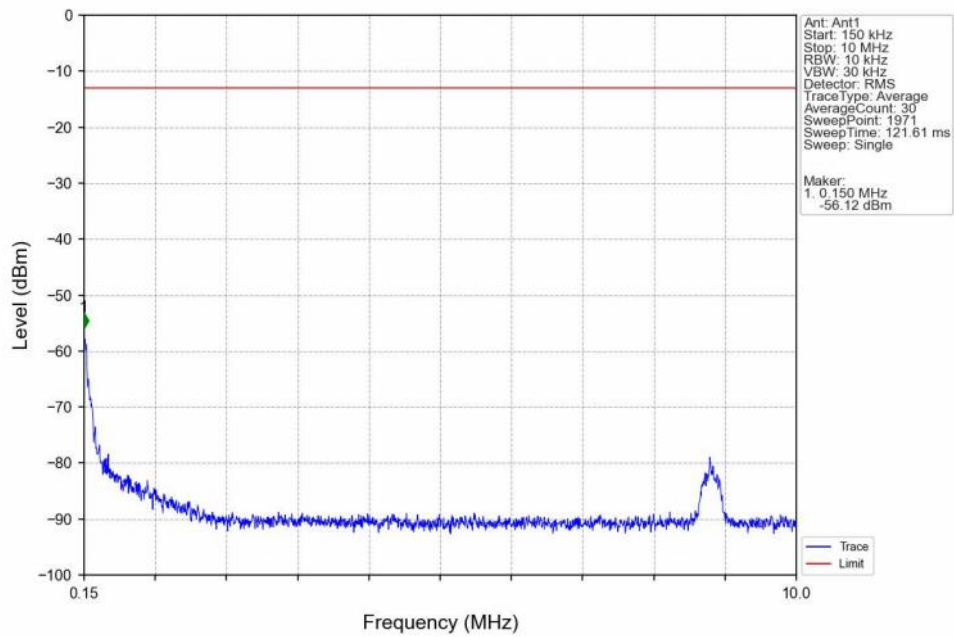


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	1	787.000	-34.08	-13	Pass
787.1	793	0.1	CHP	2	787.150	-34.40	-13	Pass
793	805	0.00625	CHP	3	793.116	-54.57	-35	Pass
805	810	0.1	CHP	4	805.072	-65.85	-13	Pass

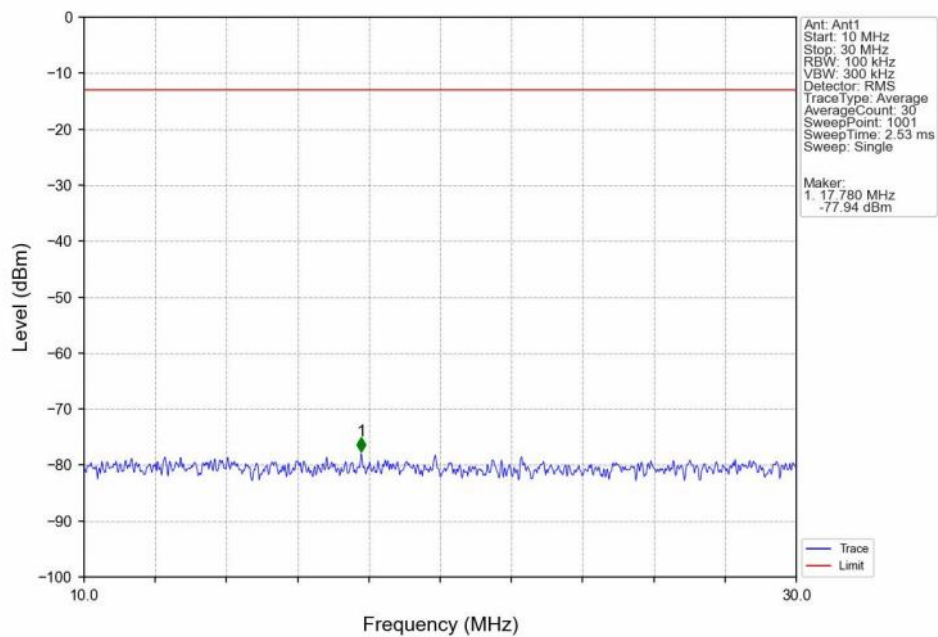
6.2.2 B13_10MHz



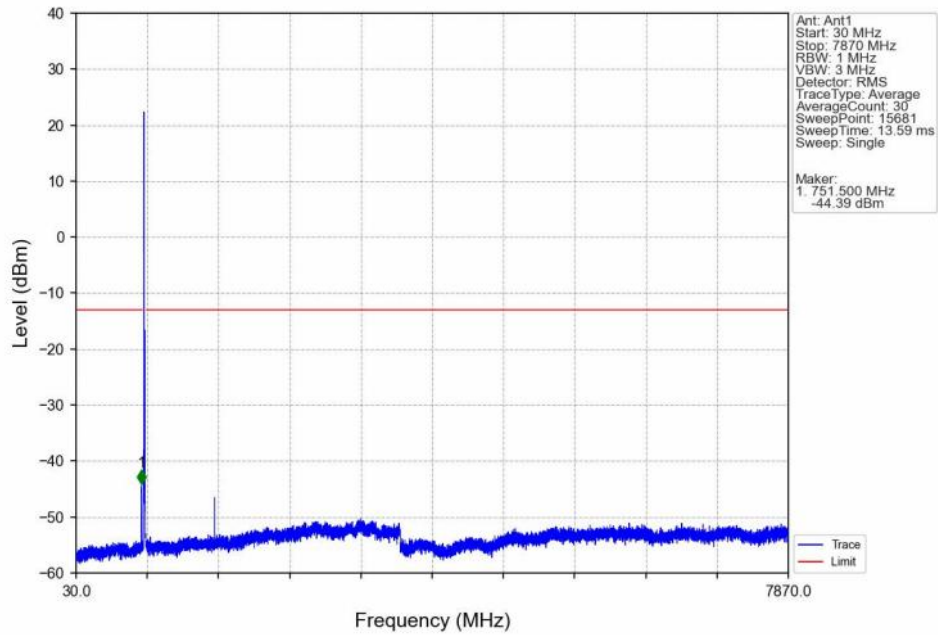
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



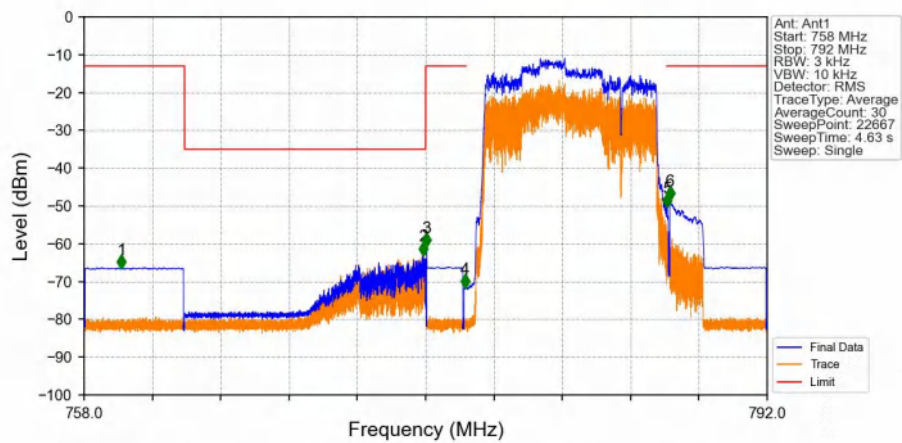
Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_QPSK_LCH_782MHz_RB_1_0_NTNV

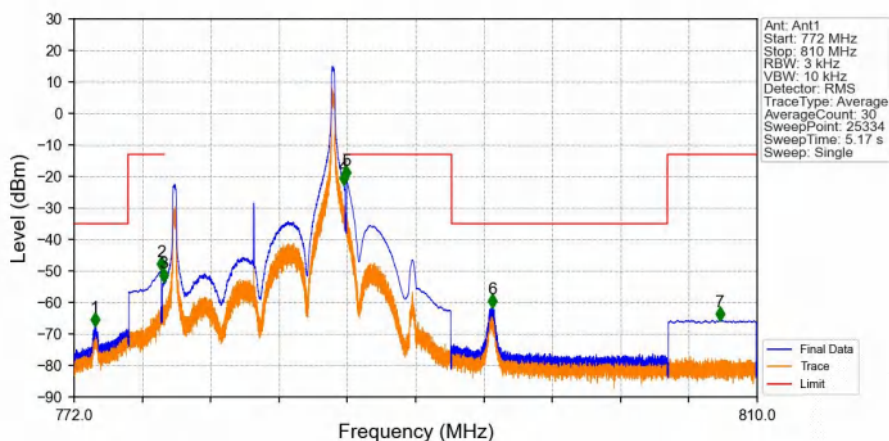


Band13_10MHz_QPSK_LCH_782MHz_RB_50_0_NTNV



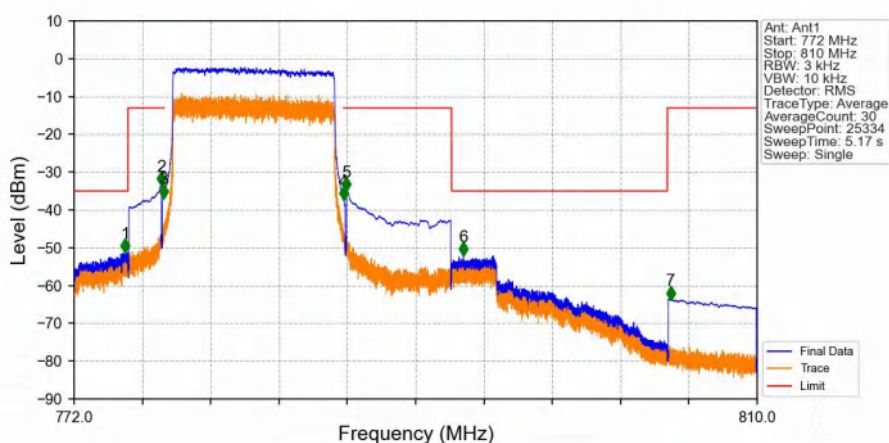
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.856	-66.33	-13	Pass
763	775	0.00625	CHP	2	774.880	-62.81	-35	Pass
775	776.9	0.1	CHP	3	775.051	-60.56	-13	Pass
776.9	777	0.03	CHP	4	776.964	-71.43	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.015	-50.15	-13	Pass
787.1	792	0.1	CHP	6	787.159	-48.17	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_1_49_NTNV



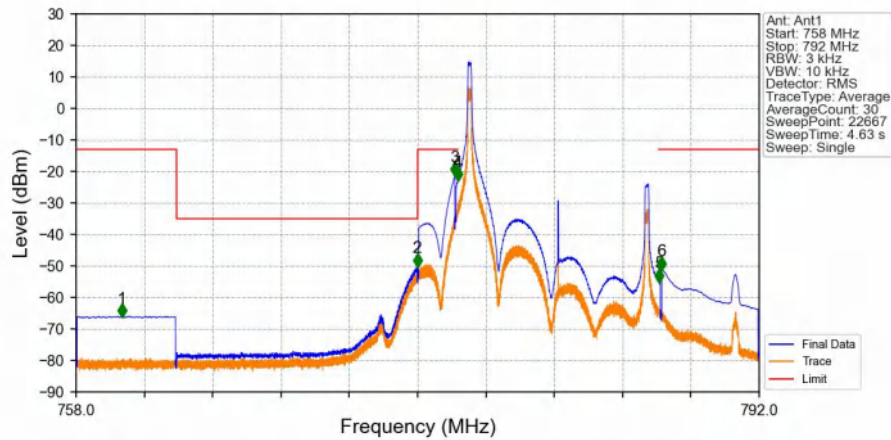
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.164	-67.26	-35	Pass
775	776.9	0.1	CHP	2	776.850	-49.57	-13	Pass
776.9	777	0.03	CHP	3	776.992	-53.31	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-22.54	-13	Pass
787.1	793	0.1	CHP	5	787.150	-20.69	-13	Pass
793	805	0.00625	CHP	6	795.255	-61.41	-35	Pass
805	810	0.1	CHP	7	807.924	-65.56	-13	Pass

Band13_10MHz_QPSK_HCH_782MHz_RB_50_0_NTNV



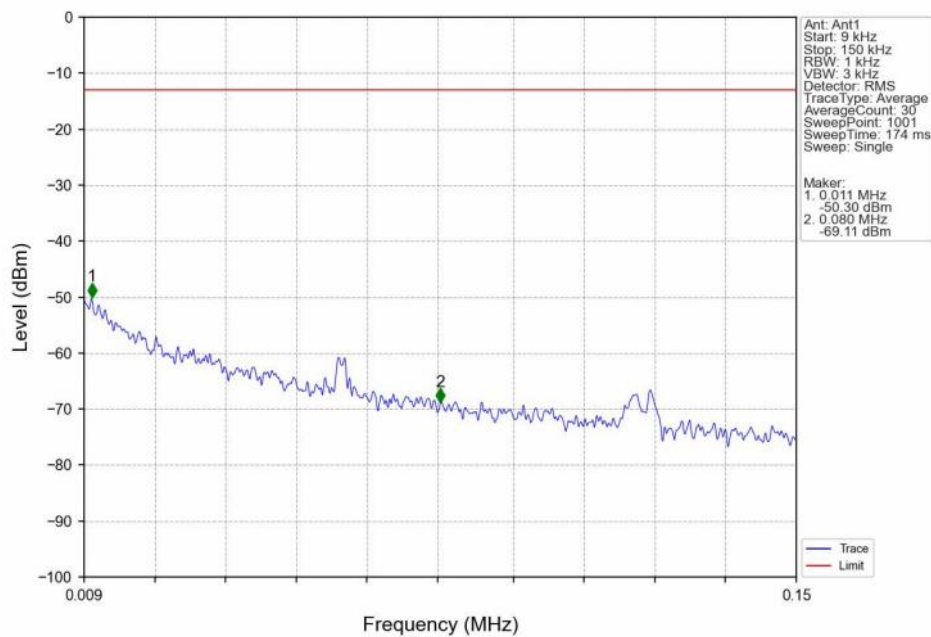
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.838	-51.02	-35	Pass
775	776.9	0.1	CHP	2	776.850	-33.23	-13	Pass
776.9	777	0.03	CHP	3	776.979	-36.60	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-37.15	-13	Pass
787.1	793	0.1	CHP	5	787.150	-34.72	-13	Pass
793	805	0.00625	CHP	6	793.660	-51.93	-35	Pass
805	810	0.1	CHP	7	805.173	-63.52	-13	Pass

Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV

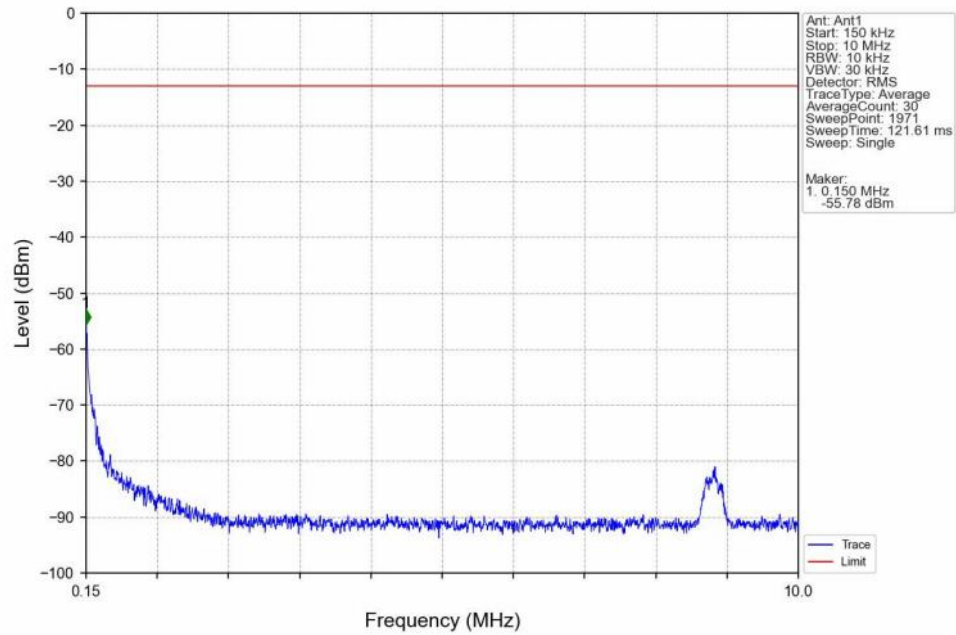


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.282	-66.00	-13	Pass
763	775	0.00625	CHP	2	774.984	-50.03	-35	Pass
775	776.9	0.1	CHP	3	776.850	-21.16	-13	Pass
776.9	777	0.03	CHP	4	777.000	-22.68	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	5	787.020	-54.90	-13	Pass
787.1	792	0.1	CHP	6	787.150	-51.04	-13	Pass

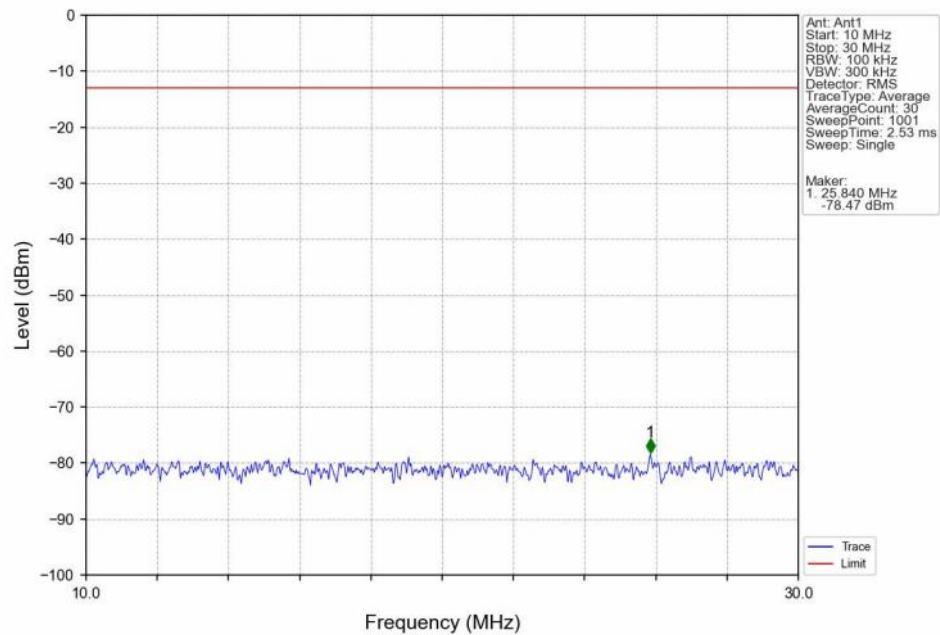
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



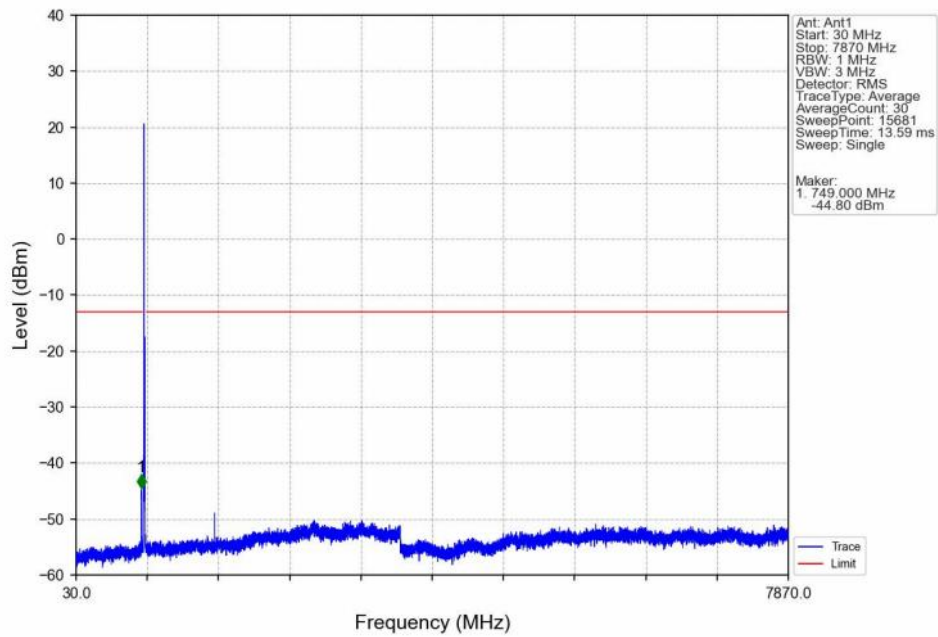
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



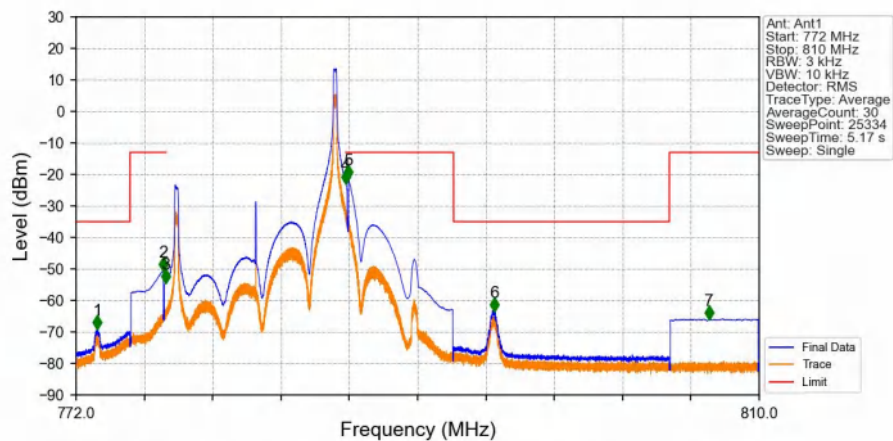
Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_LCH_782MHz_RB_1_0_NTNV



Band13_10MHz_16QAM_HCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	773.178	-68.85	-35	Pass
775	776.9	0.1	CHP	2	776.850	-50.33	-13	Pass
776.9	777	0.03	CHP	3	776.980	-54.22	-13	Pass
777	787	0.03	CHP	/	/	/	/	/
787	787.1	0.03	CHP	4	787.000	-22.79	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.24	-13	Pass
793	805	0.00625	CHP	6	795.250	-63.16	-35	Pass
805	810	0.1	CHP	7	807.210	-65.86	-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	0.1910	0.0022	ppm	4M55G7D	27F	22.81
13	5	779.5	784.5	0.1589	0.0013	ppm	4M56W7D	27F	22.01
13	10	782	782	0.1914	0.0021	ppm	9M08G7D	27F	22.82
13	10	782	782	0.1538	0.0014	ppm	5M10W7D	27F	21.87

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	0.1135	0.0022	ppm	4M55G7D	27F	20.55
13	5	779.5	784.5	0.0944	0.0013	ppm	4M56W7D	27F	19.75
13	10	782	782	0.1138	0.0021	ppm	9M08G7D	27F	20.56
13	10	782	782	0.0914	0.0014	ppm	5M10W7D	27F	19.61