

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B66_1.4MHz_EIRP

Band: 66 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.21	2.00	24.21	<=30	Pass
			2	22.29	2.00	24.29	<=30	Pass
			5	22.25	2.00	24.25	<=30	Pass
		3	0	22.25	2.00	24.25	<=30	Pass
			2	22.17	2.00	24.17	<=30	Pass
			3	22.22	2.00	24.22	<=30	Pass
		6	0	21.28	2.00	23.28	<=30	Pass
	1745	1	0	22.17	2.00	24.17	<=30	Pass
			2	22.38	2.00	24.38	<=30	Pass
			5	22.24	2.00	24.24	<=30	Pass
		3	0	22.02	2.00	24.02	<=30	Pass
			2	22.21	2.00	24.21	<=30	Pass
			3	22.02	2.00	24.02	<=30	Pass
		6	0	21.02	2.00	23.02	<=30	Pass
	1779.3	1	0	21.50	2.00	23.50	<=30	Pass
			2	22.12	2.00	24.12	<=30	Pass
			5	22.11	2.00	24.11	<=30	Pass
		3	0	22.04	2.00	24.04	<=30	Pass
			2	22.08	2.00	24.08	<=30	Pass
			3	21.91	2.00	23.91	<=30	Pass
		6	0	20.92	2.00	22.92	<=30	Pass
16QAM	1710.7	1	0	20.95	2.00	22.95	<=30	Pass
			2	21.01	2.00	23.01	<=30	Pass
			5	20.51	2.00	22.51	<=30	Pass
		3	0	21.19	2.00	23.19	<=30	Pass
			2	21.28	2.00	23.28	<=30	Pass
			3	21.23	2.00	23.23	<=30	Pass
		6	0	20.13	2.00	22.13	<=30	Pass
	1745	1	0	20.88	2.00	22.88	<=30	Pass
			2	20.82	2.00	22.82	<=30	Pass
			5	20.65	2.00	22.65	<=30	Pass
		3	0	21.01	2.00	23.01	<=30	Pass
			2	21.22	2.00	23.22	<=30	Pass
			3	21.16	2.00	23.16	<=30	Pass
		6	0	19.93	2.00	21.93	<=30	Pass
	1779.3	1	0	20.70	2.00	22.70	<=30	Pass
			2	20.61	2.00	22.61	<=30	Pass
			5	20.55	2.00	22.55	<=30	Pass
		3	0	20.78	2.00	22.78	<=30	Pass
			2	21.23	2.00	23.23	<=30	Pass
			3	21.26	2.00	23.26	<=30	Pass
		6	0	20.00	2.00	22.00	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B66_3MHz_EIRP

Band: 66 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1711.5	1	0	22.27	2.00	24.27	<=30	Pass	
			7	22.29	2.00	24.29	<=30	Pass	
			14	22.16	2.00	24.16	<=30	Pass	
		8	0	21.07	2.00	23.07	<=30	Pass	
			4	21.13	2.00	23.13	<=30	Pass	
			7	21.10	2.00	23.10	<=30	Pass	
		15	0	21.12	2.00	23.12	<=30	Pass	
		1745	1	0	22.14	2.00	24.14	<=30	Pass
				7	22.14	2.00	24.14	<=30	Pass
	14			22.10	2.00	24.10	<=30	Pass	
	8		0	21.00	2.00	23.00	<=30	Pass	
			4	21.10	2.00	23.10	<=30	Pass	
			7	21.05	2.00	23.05	<=30	Pass	
	15	0	21.03	2.00	23.03	<=30	Pass		
	1778.5	1	0	21.91	2.00	23.91	<=30	Pass	
			7	21.99	2.00	23.99	<=30	Pass	
			14	22.19	2.00	24.19	<=30	Pass	
		8	0	21.03	2.00	23.03	<=30	Pass	
			4	21.06	2.00	23.06	<=30	Pass	
			7	21.04	2.00	23.04	<=30	Pass	
		15	0	20.99	2.00	22.99	<=30	Pass	
16QAM		1711.5	1	0	20.58	2.00	22.58	<=30	Pass
				7	20.74	2.00	22.74	<=30	Pass
	14			20.60	2.00	22.60	<=30	Pass	
	8		0	20.13	2.00	22.13	<=30	Pass	
			4	20.19	2.00	22.19	<=30	Pass	
			7	20.17	2.00	22.17	<=30	Pass	
	15		0	20.14	2.00	22.14	<=30	Pass	
	1745	1	0	20.84	2.00	22.84	<=30	Pass	
			7	20.88	2.00	22.88	<=30	Pass	
			14	20.85	2.00	22.85	<=30	Pass	
		8	0	19.99	2.00	21.99	<=30	Pass	
			4	20.18	2.00	22.18	<=30	Pass	
			7	20.24	2.00	22.24	<=30	Pass	
	15	0	20.05	2.00	22.05	<=30	Pass		
	1778.5	1	0	20.74	2.00	22.74	<=30	Pass	
			7	20.86	2.00	22.86	<=30	Pass	
			14	20.65	2.00	22.65	<=30	Pass	
		8	0	19.80	2.00	21.80	<=30	Pass	
			4	19.85	2.00	21.85	<=30	Pass	
			7	19.85	2.00	21.85	<=30	Pass	
		15	0	20.03	2.00	22.03	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B66_5MHz_EIRP

Band: 66 / Bandwidth: 5MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	21.95	2.00	23.95	<=30	Pass
			13	22.19	2.00	24.19	<=30	Pass
			24	22.14	2.00	24.14	<=30	Pass
		12	0	21.10	2.00	23.10	<=30	Pass
			6	21.16	2.00	23.16	<=30	Pass
			13	21.08	2.00	23.08	<=30	Pass

	1745	25	0	21.08	2.00	23.08	<=30	Pass
		1	0	22.03	2.00	24.03	<=30	Pass
			13	22.22	2.00	24.22	<=30	Pass
			24	22.00	2.00	24.00	<=30	Pass
			0	20.99	2.00	22.99	<=30	Pass
		12	6	21.00	2.00	23.00	<=30	Pass
			13	20.88	2.00	22.88	<=30	Pass
			25	0	20.94	2.00	22.94	<=30
		1777.5	1	0	22.13	2.00	24.13	<=30
	13			22.12	2.00	24.12	<=30	Pass
	24			21.97	2.00	23.97	<=30	Pass
	12		0	20.83	2.00	22.83	<=30	Pass
			6	20.94	2.00	22.94	<=30	Pass
			13	20.80	2.00	22.80	<=30	Pass
	25		0	20.87	2.00	22.87	<=30	Pass

16QAM	1712.5	1	0	21.04	2.00	23.04	<=30	Pass
			13	20.93	2.00	22.93	<=30	Pass
			24	20.73	2.00	22.73	<=30	Pass
		12	0	20.05	2.00	22.05	<=30	Pass
			6	19.90	2.00	21.90	<=30	Pass
			13	19.81	2.00	21.81	<=30	Pass
		25	0	19.95	2.00	21.95	<=30	Pass
	1745	1	0	20.54	2.00	22.54	<=30	Pass
			13	20.73	2.00	22.73	<=30	Pass
			24	20.34	2.00	22.34	<=30	Pass
		12	0	19.92	2.00	21.92	<=30	Pass
			6	20.05	2.00	22.05	<=30	Pass
			13	19.93	2.00	21.93	<=30	Pass
		25	0	19.89	2.00	21.89	<=30	Pass
	1777.5	1	0	20.71	2.00	22.71	<=30	Pass
			13	20.92	2.00	22.92	<=30	Pass
			24	20.42	2.00	22.42	<=30	Pass
		12	0	19.88	2.00	21.88	<=30	Pass
			6	20.08	2.00	22.08	<=30	Pass
			13	20.06	2.00	22.06	<=30	Pass
		25	0	20.10	2.00	22.10	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain								
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1.1.4 B66_10MHz_EIRP

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	21.97	2.00	23.97	<=30	Pass
			25	22.07	2.00	24.07	<=30	Pass
			49	22.06	2.00	24.06	<=30	Pass
		25	0	21.09	2.00	23.09	<=30	Pass
			13	21.15	2.00	23.15	<=30	Pass
			25	21.02	2.00	23.02	<=30	Pass
		50	0	20.99	2.00	22.99	<=30	Pass
	1745	1	0	22.11	2.00	24.11	<=30	Pass
			25	22.25	2.00	24.25	<=30	Pass
			49	22.13	2.00	24.13	<=30	Pass
		25	0	20.96	2.00	22.96	<=30	Pass
			13	21.05	2.00	23.05	<=30	Pass
			25	21.03	2.00	23.03	<=30	Pass
		50	0	20.95	2.00	22.95	<=30	Pass

	1775	1	0	21.73	2.00	23.73	<=30	Pass		
			25	22.25	2.00	24.25	<=30	Pass		
			49	22.04	2.00	24.04	<=30	Pass		
		25	0	20.97	2.00	22.97	<=30	Pass		
			13	20.96	2.00	22.96	<=30	Pass		
			25	20.81	2.00	22.81	<=30	Pass		
		50	0	20.89	2.00	22.89	<=30	Pass		
		16QAM	1715	1	0	20.79	2.00	22.79	<=30	Pass
					25	20.95	2.00	22.95	<=30	Pass
49	20.43				2.00	22.43	<=30	Pass		
25	0			20.25	2.00	22.25	<=30	Pass		
	13			20.26	2.00	22.26	<=30	Pass		
	25			19.94	2.00	21.94	<=30	Pass		
50	0			19.92	2.00	21.92	<=30	Pass		
1745	1			0	20.83	2.00	22.83	<=30	Pass	
				25	20.94	2.00	22.94	<=30	Pass	
			49	20.15	2.00	22.15	<=30	Pass		
	25		0	20.20	2.00	22.20	<=30	Pass		
			13	20.14	2.00	22.14	<=30	Pass		
			25	19.89	2.00	21.89	<=30	Pass		
	50		0	19.91	2.00	21.91	<=30	Pass		
	1775		1	0	20.45	2.00	22.45	<=30	Pass	
				25	20.74	2.00	22.74	<=30	Pass	
49				20.11	2.00	22.11	<=30	Pass		
25			0	19.92	2.00	21.92	<=30	Pass		
			13	19.97	2.00	21.97	<=30	Pass		
			25	19.85	2.00	21.85	<=30	Pass		
50			0	19.93	2.00	21.93	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.5 B66_15MHz_EIRP

Band: 66 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.94	2.00	23.94	<=30	Pass
			38	22.04	2.00	24.04	<=30	Pass
			74	21.92	2.00	23.92	<=30	Pass
		36	0	20.94	2.00	22.94	<=30	Pass
			18	21.12	2.00	23.12	<=30	Pass
			39	20.98	2.00	22.98	<=30	Pass
		75	0	20.98	2.00	22.98	<=30	Pass
	1745	1	0	22.16	2.00	24.16	<=30	Pass
			38	22.27	2.00	24.27	<=30	Pass
			74	22.10	2.00	24.10	<=30	Pass
		36	0	21.09	2.00	23.09	<=30	Pass
			18	21.02	2.00	23.02	<=30	Pass
			39	20.97	2.00	22.97	<=30	Pass
		75	0	20.97	2.00	22.97	<=30	Pass
	1772.5	1	0	21.98	2.00	23.98	<=30	Pass
			38	22.04	2.00	24.04	<=30	Pass
			74	21.95	2.00	23.95	<=30	Pass
		36	0	20.95	2.00	22.95	<=30	Pass
			18	20.97	2.00	22.97	<=30	Pass
			39	20.92	2.00	22.92	<=30	Pass
		75	0	20.92	2.00	22.92	<=30	Pass
16QAM	1717.5	1	0	20.73	2.00	22.73	<=30	Pass

			38	20.64	2.00	22.64	<=30	Pass
			74	20.68	2.00	22.68	<=30	Pass
		36	0	19.97	2.00	21.97	<=30	Pass
			18	20.18	2.00	22.18	<=30	Pass
			39	19.86	2.00	21.86	<=30	Pass
		75	0	19.94	2.00	21.94	<=30	Pass
	1745	1	0	20.56	2.00	22.56	<=30	Pass
			38	20.66	2.00	22.66	<=30	Pass
			74	20.66	2.00	22.66	<=30	Pass
		36	0	20.19	2.00	22.19	<=30	Pass
			18	19.96	2.00	21.96	<=30	Pass
			39	20.00	2.00	22.00	<=30	Pass
	75	0	20.06	2.00	22.06	<=30	Pass	
	1772.5	1	0	20.19	2.00	22.19	<=30	Pass
			38	20.72	2.00	22.72	<=30	Pass
			74	20.39	2.00	22.39	<=30	Pass
		36	0	20.01	2.00	22.01	<=30	Pass
			18	19.97	2.00	21.97	<=30	Pass
			39	19.85	2.00	21.85	<=30	Pass
	75	0	20.08	2.00	22.08	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B66_20MHz_EIRP

Band: 66 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	21.85	2.00	23.85	<=30	Pass
			50	21.43	2.00	23.43	<=30	Pass
			99	22.03	2.00	24.03	<=30	Pass
		50	0	21.04	2.00	23.04	<=30	Pass
			25	21.12	2.00	23.12	<=30	Pass
			50	21.04	2.00	23.04	<=30	Pass
		100	0	21.08	2.00	23.08	<=30	Pass
	1745	1	0	22.11	2.00	24.11	<=30	Pass
			50	22.41	2.00	24.41	<=30	Pass
			99	22.22	2.00	24.22	<=30	Pass
		50	0	21.02	2.00	23.02	<=30	Pass
			25	20.86	2.00	22.86	<=30	Pass
			50	20.94	2.00	22.94	<=30	Pass
		100	0	20.91	2.00	22.91	<=30	Pass
	1770	1	0	21.94	2.00	23.94	<=30	Pass
			50	22.50	2.00	24.50	<=30	Pass
			99	21.96	2.00	23.96	<=30	Pass
		50	0	20.92	2.00	22.92	<=30	Pass
			25	20.87	2.00	22.87	<=30	Pass
			50	20.84	2.00	22.84	<=30	Pass
		100	0	20.79	2.00	22.79	<=30	Pass
16QAM	1720	1	0	20.54	2.00	22.54	<=30	Pass
			50	21.06	2.00	23.06	<=30	Pass
			99	20.85	2.00	22.85	<=30	Pass
		50	0	19.99	2.00	21.99	<=30	Pass
			25	20.03	2.00	22.03	<=30	Pass
			50	20.06	2.00	22.06	<=30	Pass
		100	0	19.97	2.00	21.97	<=30	Pass
	1745	1	0	20.77	2.00	22.77	<=30	Pass
			50	20.86	2.00	22.86	<=30	Pass

		50	99	20.65	2.00	22.65	<=30	Pass
			0	20.09	2.00	22.09	<=30	Pass
			25	20.05	2.00	22.05	<=30	Pass
			50	19.79	2.00	21.79	<=30	Pass
		100	0	19.85	2.00	21.85	<=30	Pass
	1770	1	0	20.26	2.00	22.26	<=30	Pass
			50	20.72	2.00	22.72	<=30	Pass
			99	20.57	2.00	22.57	<=30	Pass
		50	0	19.86	2.00	21.86	<=30	Pass
			25	19.91	2.00	21.91	<=30	Pass
			50	19.88	2.00	21.88	<=30	Pass
		100	0	19.89	2.00	21.89	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B66_10MHz

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1745	50	0	20	3.5	-2.000	-0.0011	-2.5 to 2.5	Pass
					3.87	-5.700	-0.0033	-2.5 to 2.5	Pass
					4.4	-3.200	-0.0018	-2.5 to 2.5	Pass
				-30	3.87	-3.600	-0.0021	-2.5 to 2.5	Pass
				-20	3.87	-1.600	-0.0009	-2.5 to 2.5	Pass
				-10	3.87	-3.000	-0.0017	-2.5 to 2.5	Pass
				0	3.87	-2.400	-0.0014	-2.5 to 2.5	Pass
				10	3.87	-2.500	-0.0014	-2.5 to 2.5	Pass
				30	3.87	-3.800	-0.0022	-2.5 to 2.5	Pass
				40	3.87	-1.800	-0.0010	-2.5 to 2.5	Pass
				50	3.87	-0.500	-0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band66_OBW

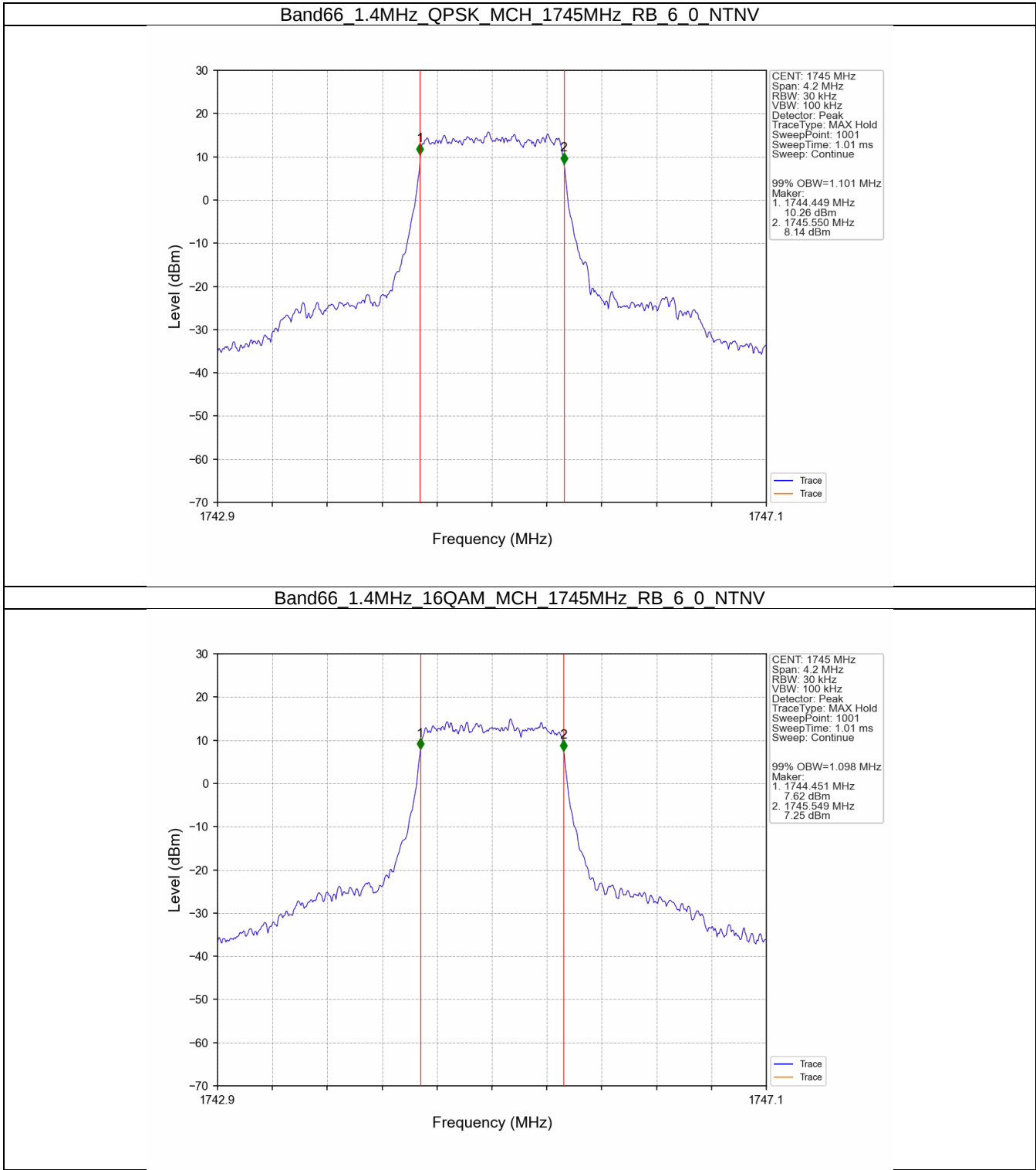
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.101	/	Pass
	16QAM	1745	6	0	1.098	/	Pass
3	QPSK	1745	15	0	2.739	/	Pass
	16QAM	1745	15	0	2.735	/	Pass
5	QPSK	1745	25	0	4.508	/	Pass
	16QAM	1745	25	0	4.500	/	Pass
10	QPSK	1745	50	0	8.970	/	Pass
	16QAM	1745	50	0	8.956	/	Pass
15	QPSK	1745	75	0	13.467	/	Pass
	16QAM	1745	75	0	13.422	/	Pass
20	QPSK	1745	100	0	17.921	/	Pass
	16QAM	1745	100	0	18.002	/	Pass

3.1.2 Band66_XDB

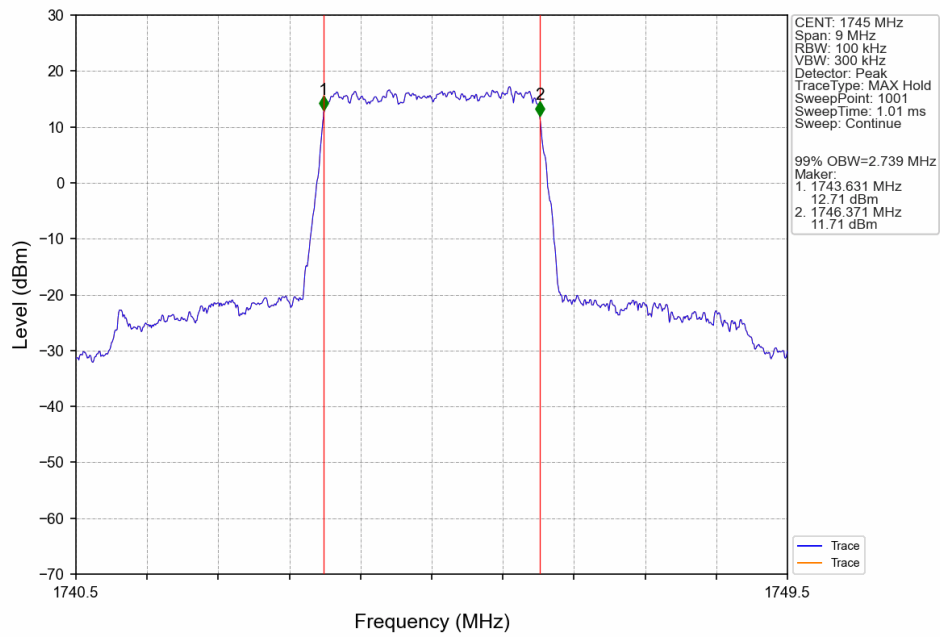
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.301	/	Pass
	16QAM	1745	6	0	1.293	/	Pass
3	QPSK	1745	15	0	3.067	/	Pass
	16QAM	1745	15	0	3.070	/	Pass
5	QPSK	1745	25	0	5.005	/	Pass
	16QAM	1745	25	0	5.014	/	Pass
10	QPSK	1745	50	0	9.786	/	Pass
	16QAM	1745	50	0	9.759	/	Pass
15	QPSK	1745	75	0	14.447	/	Pass
	16QAM	1745	75	0	14.679	/	Pass
20	QPSK	1745	100	0	19.568	/	Pass
	16QAM	1745	100	0	19.399	/	Pass

3.2 Test Graph

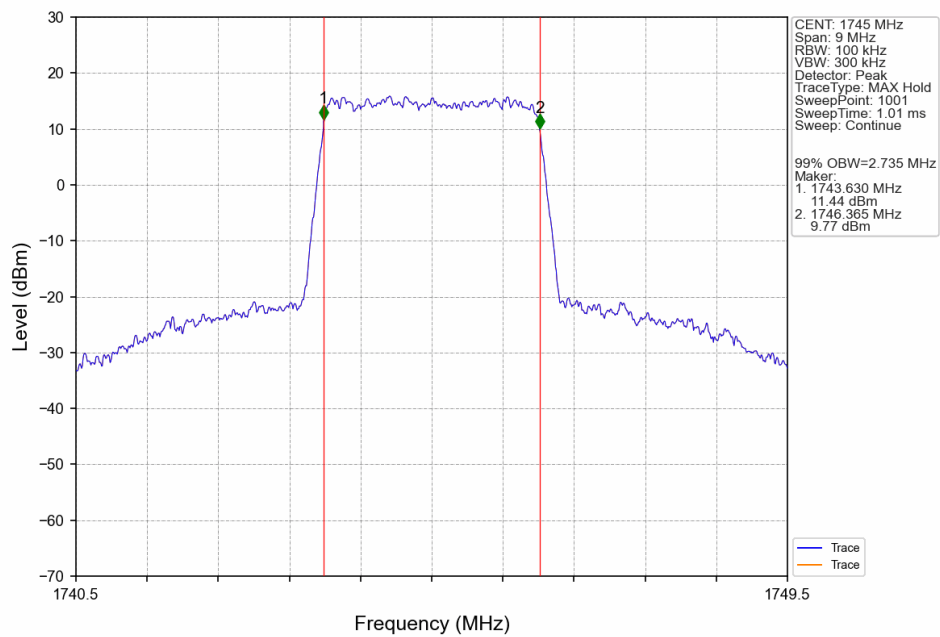
3.2.1 Band66_OBW



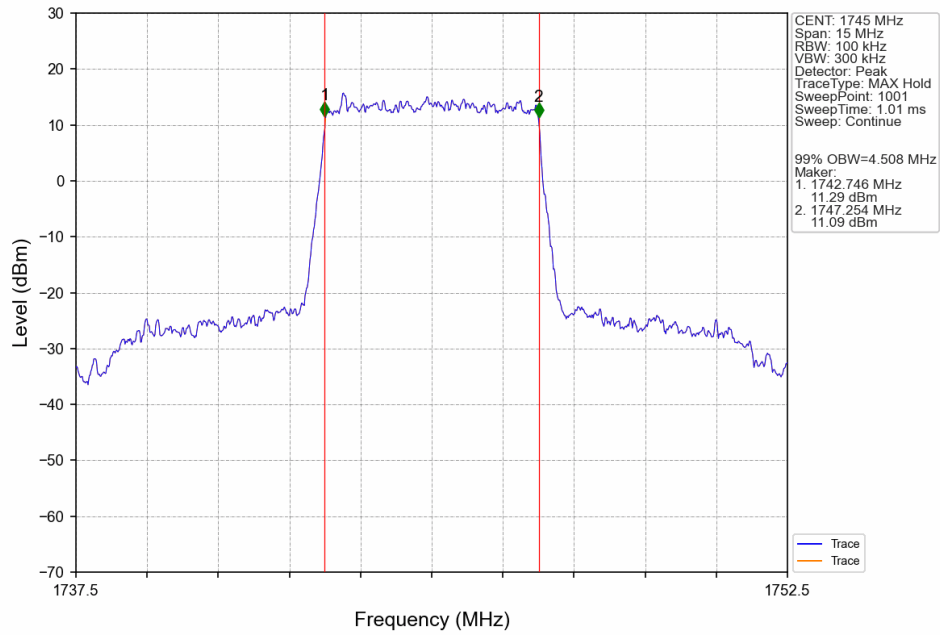
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



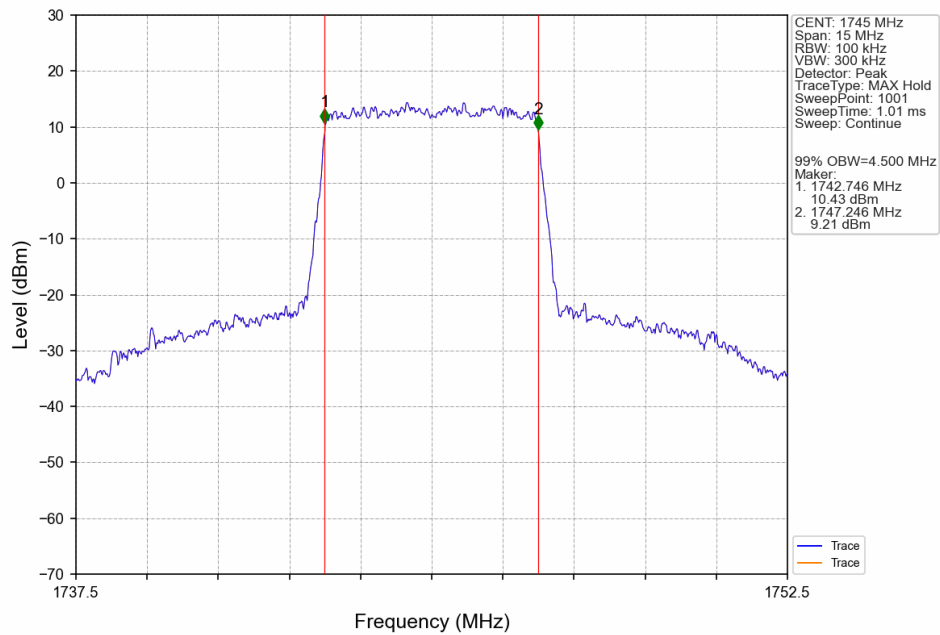
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



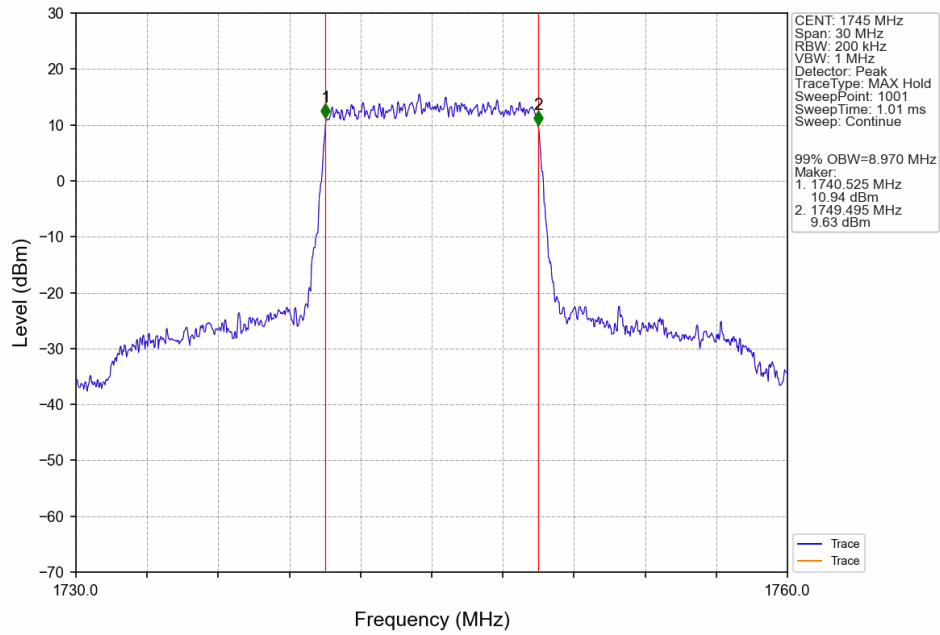
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



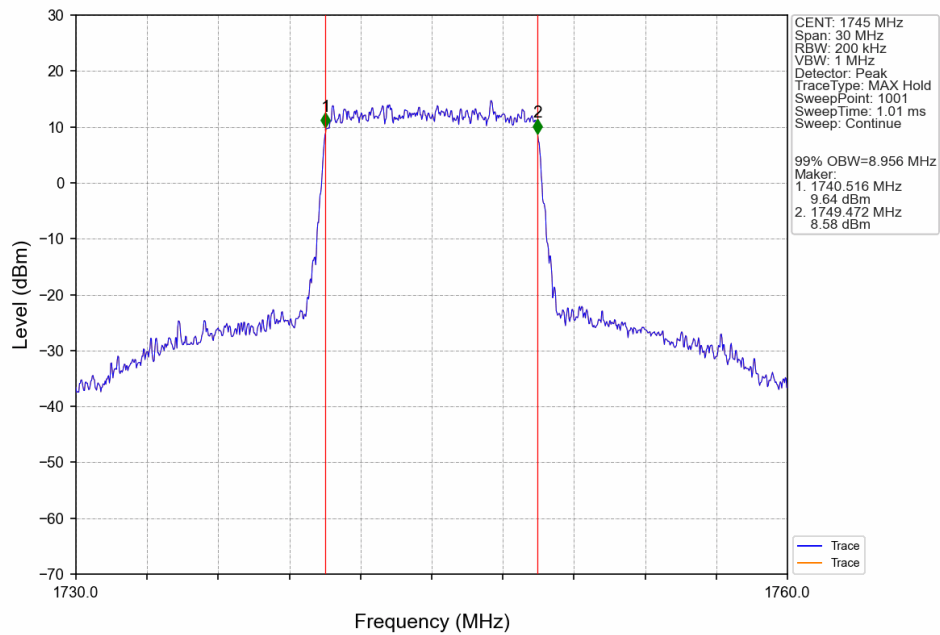
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



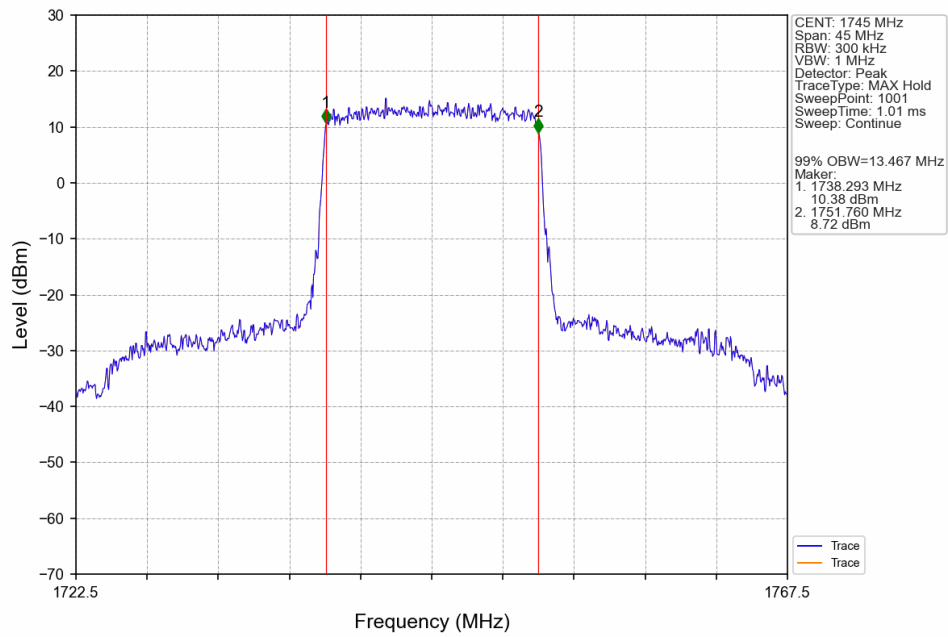
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



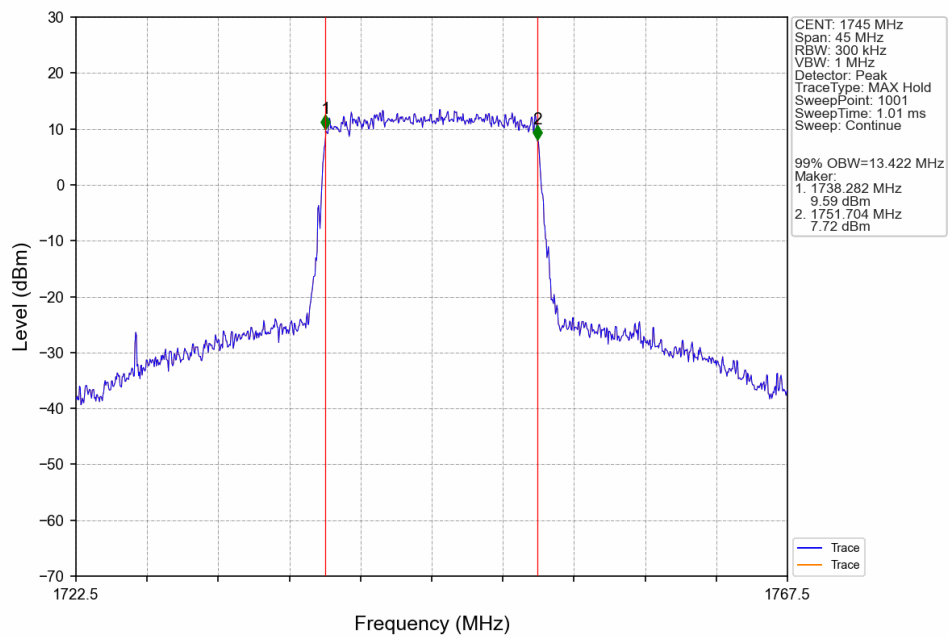
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



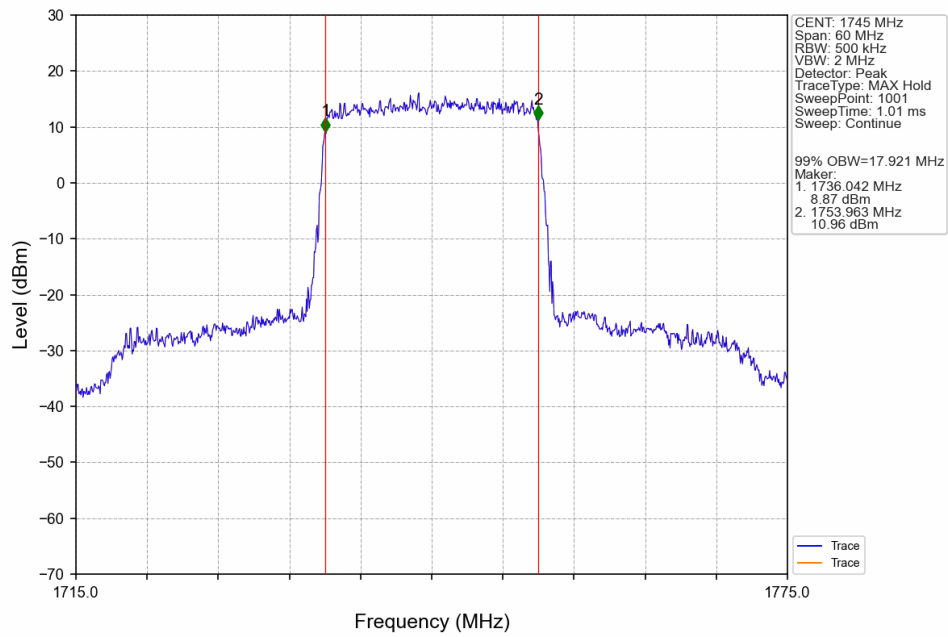
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



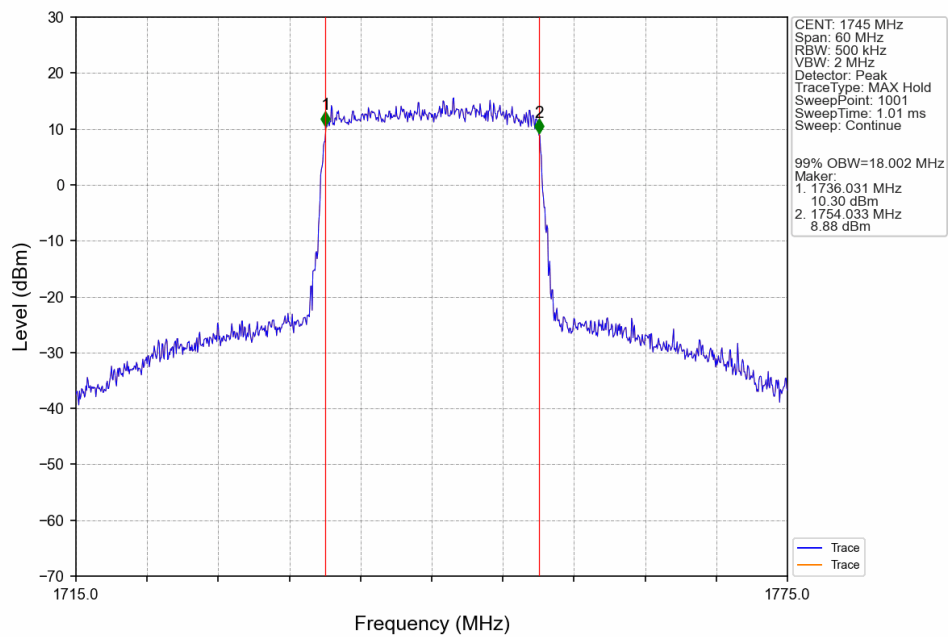
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



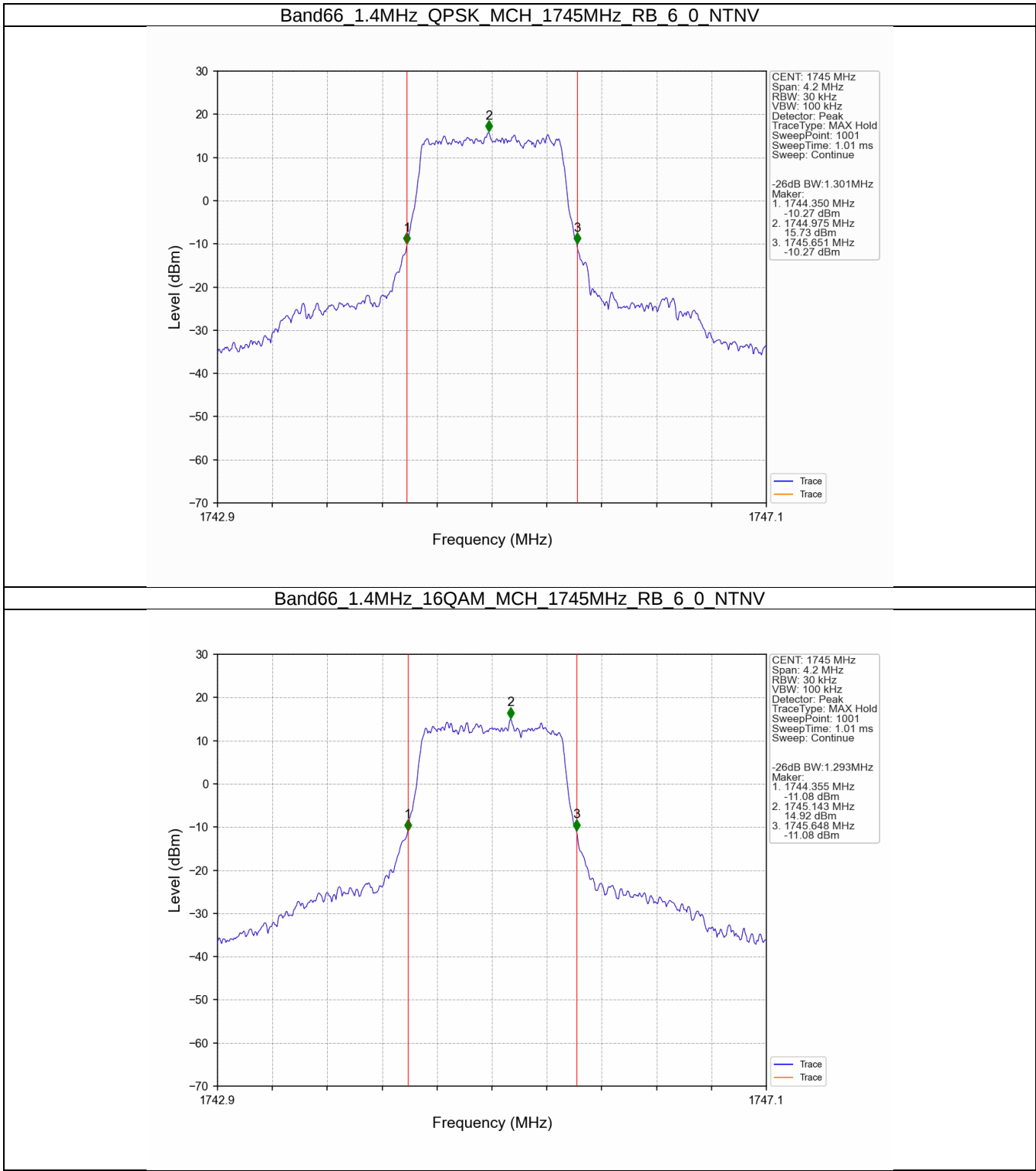
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



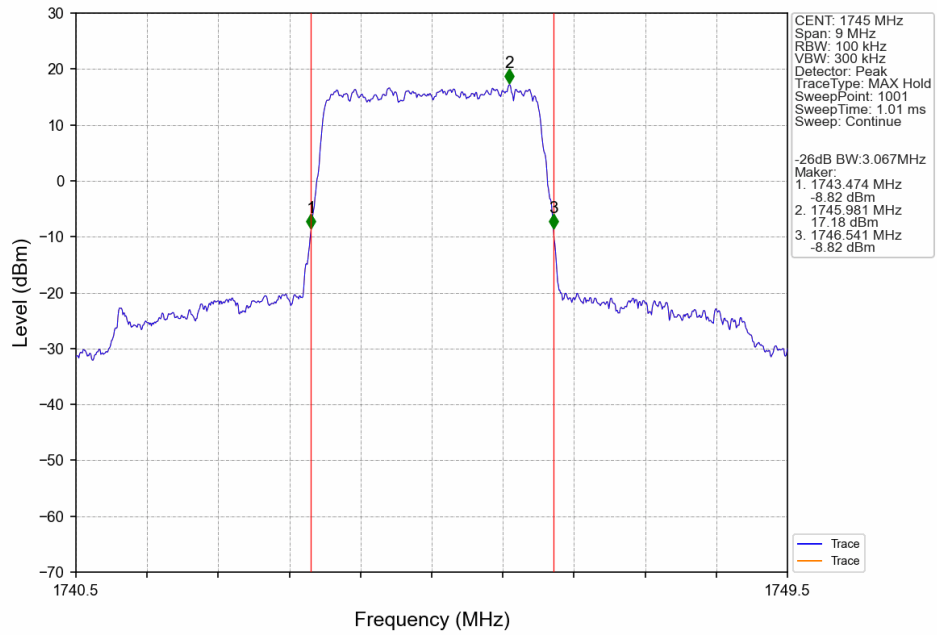
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



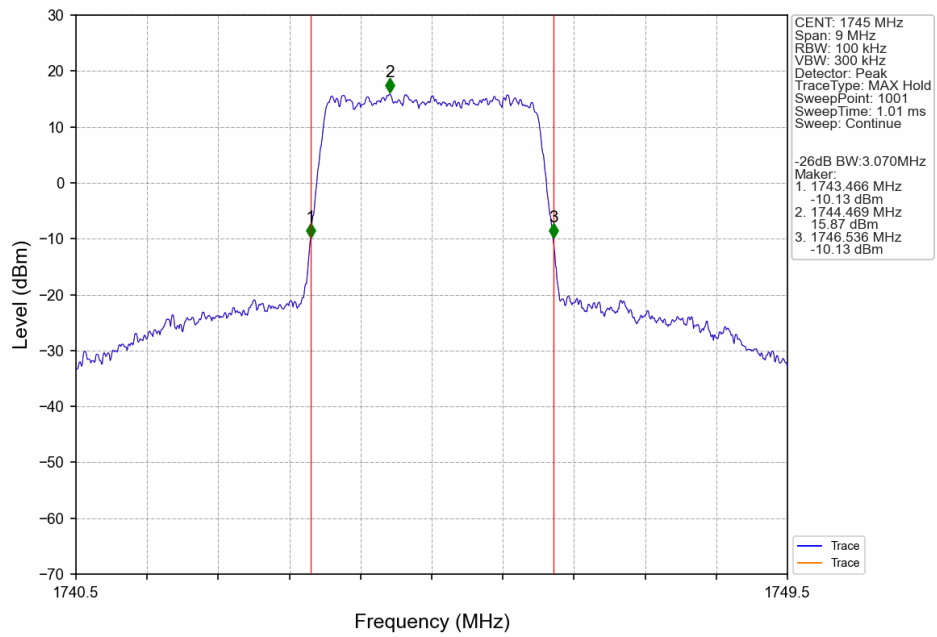
3.2.2 Band66_XDB



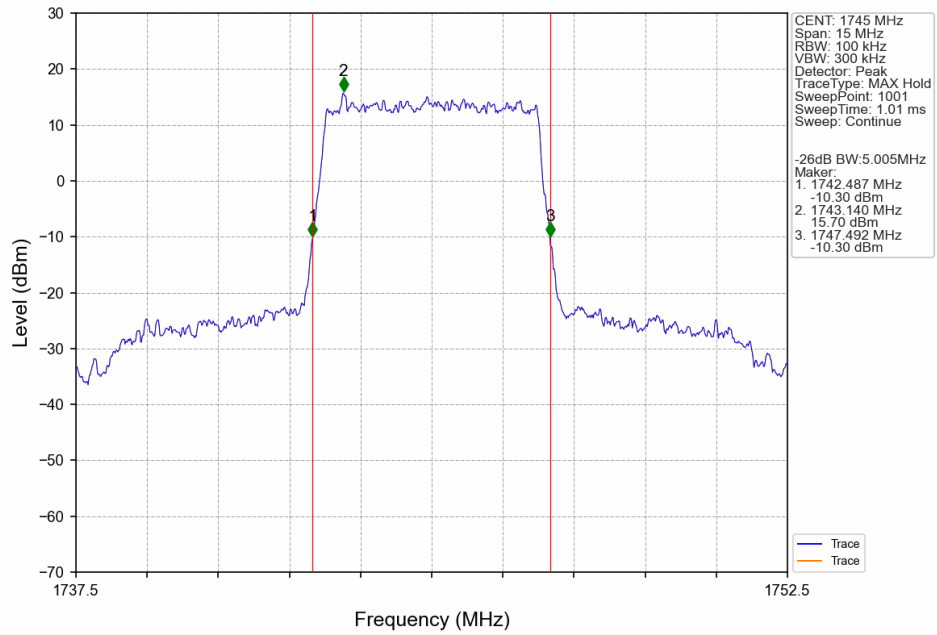
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



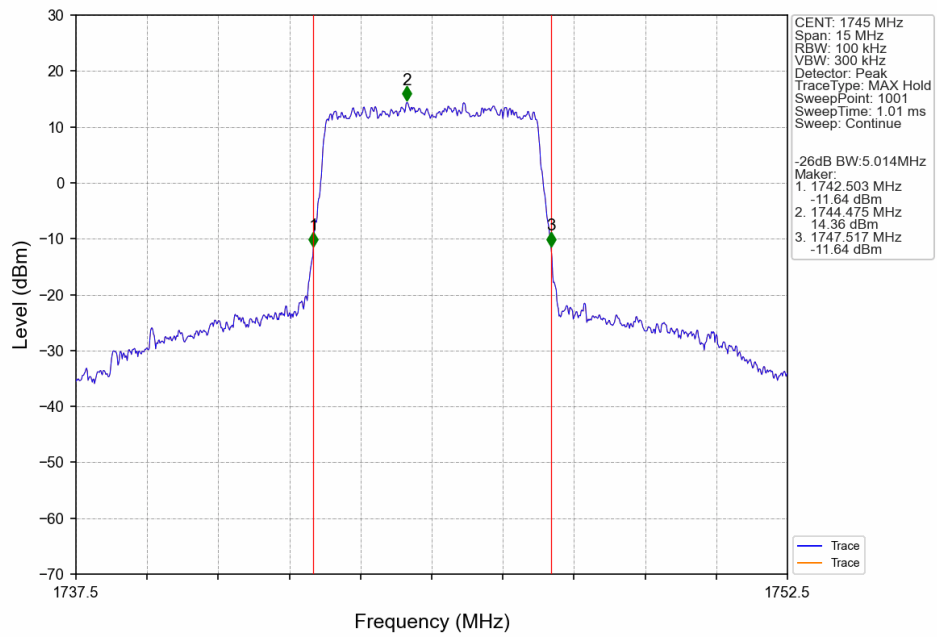
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



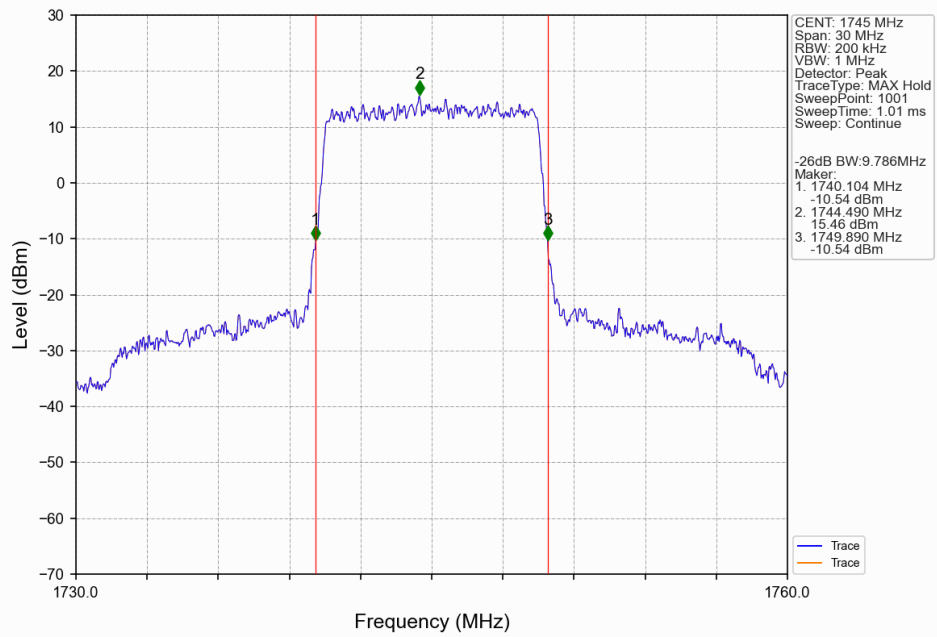
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



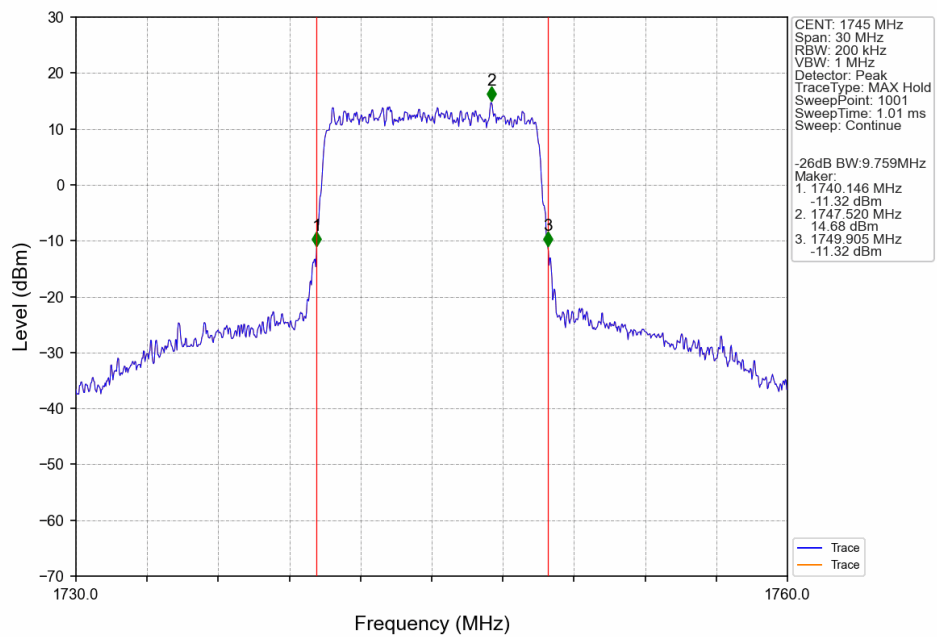
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



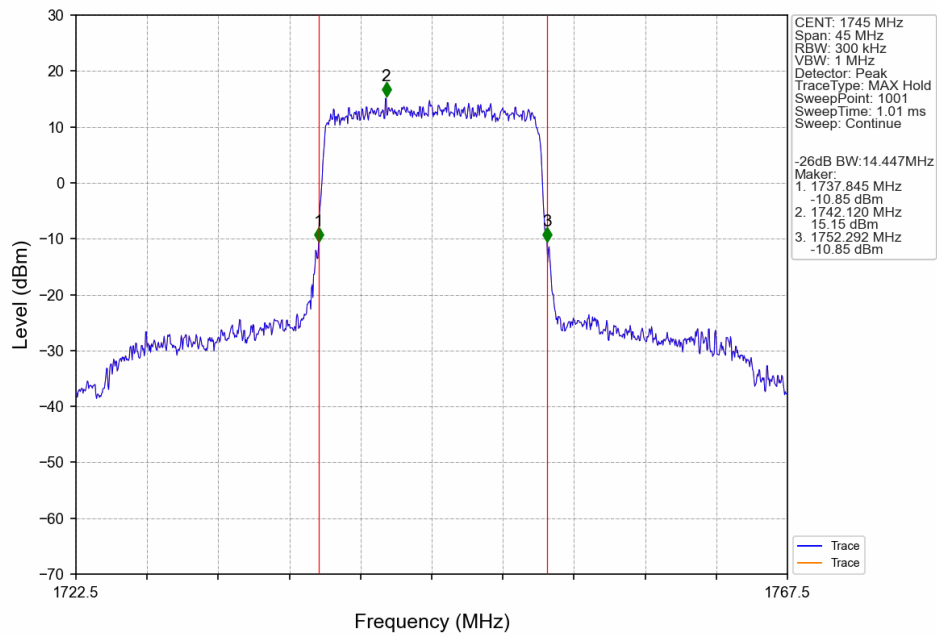
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



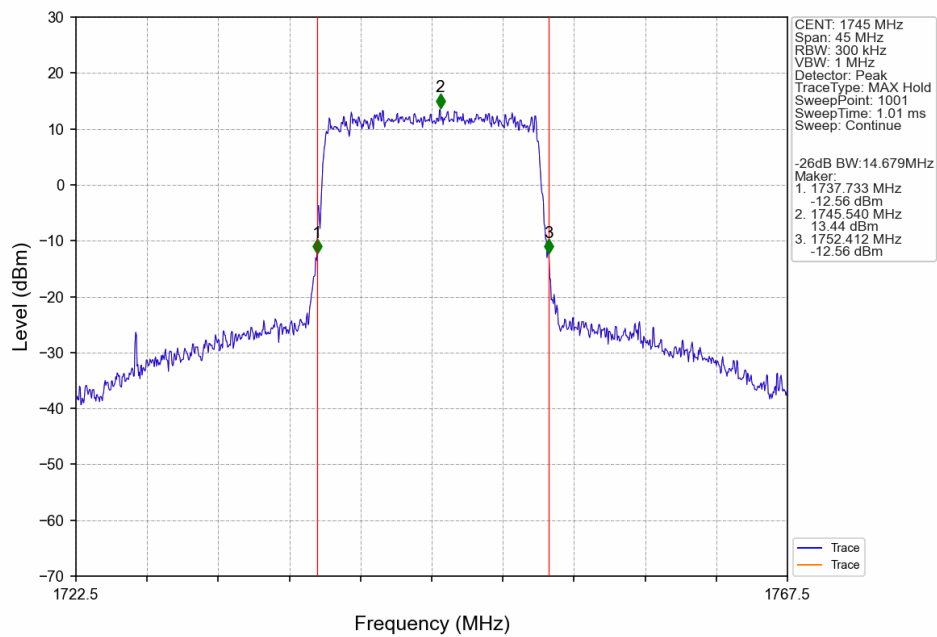
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



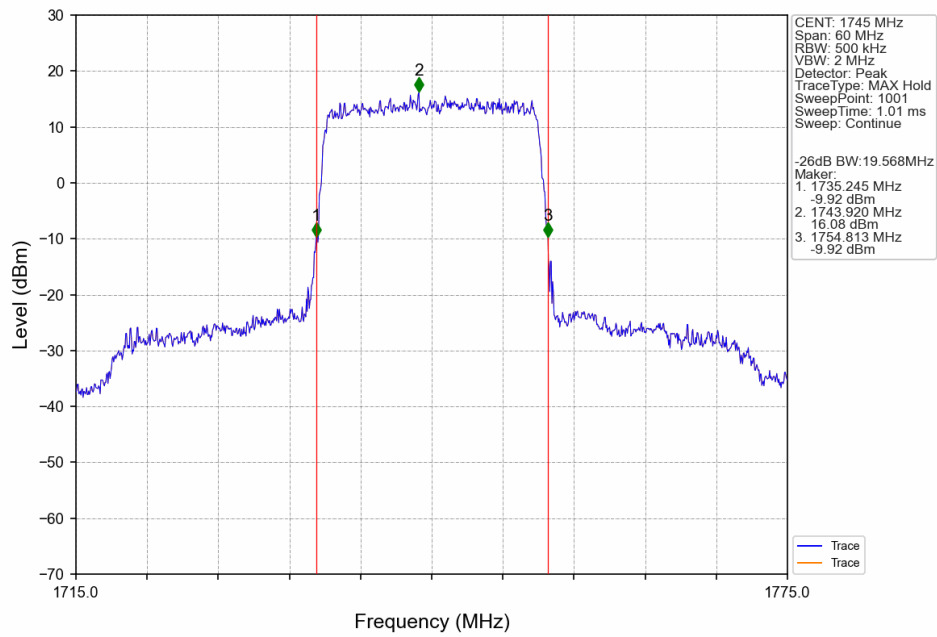
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



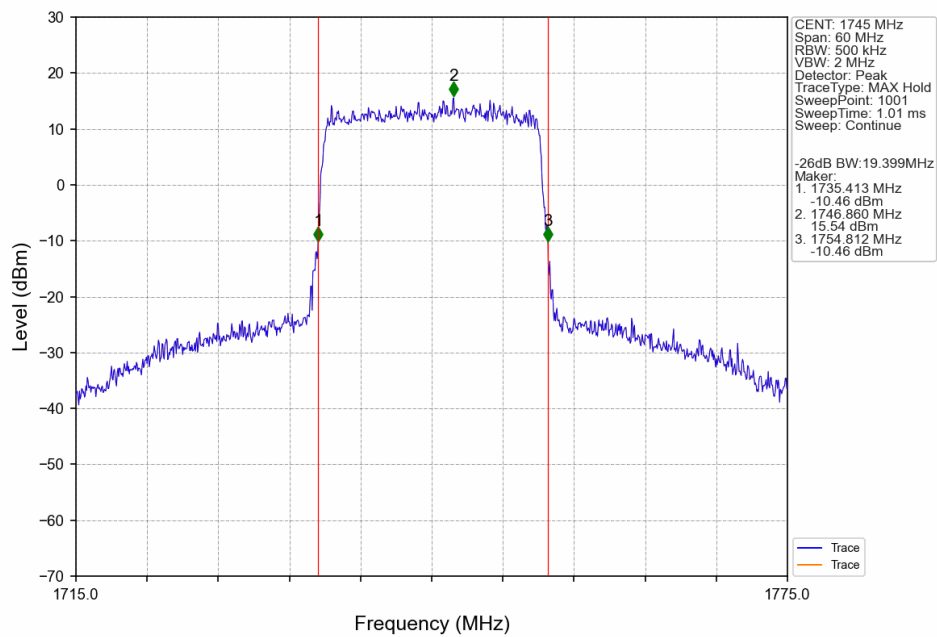
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

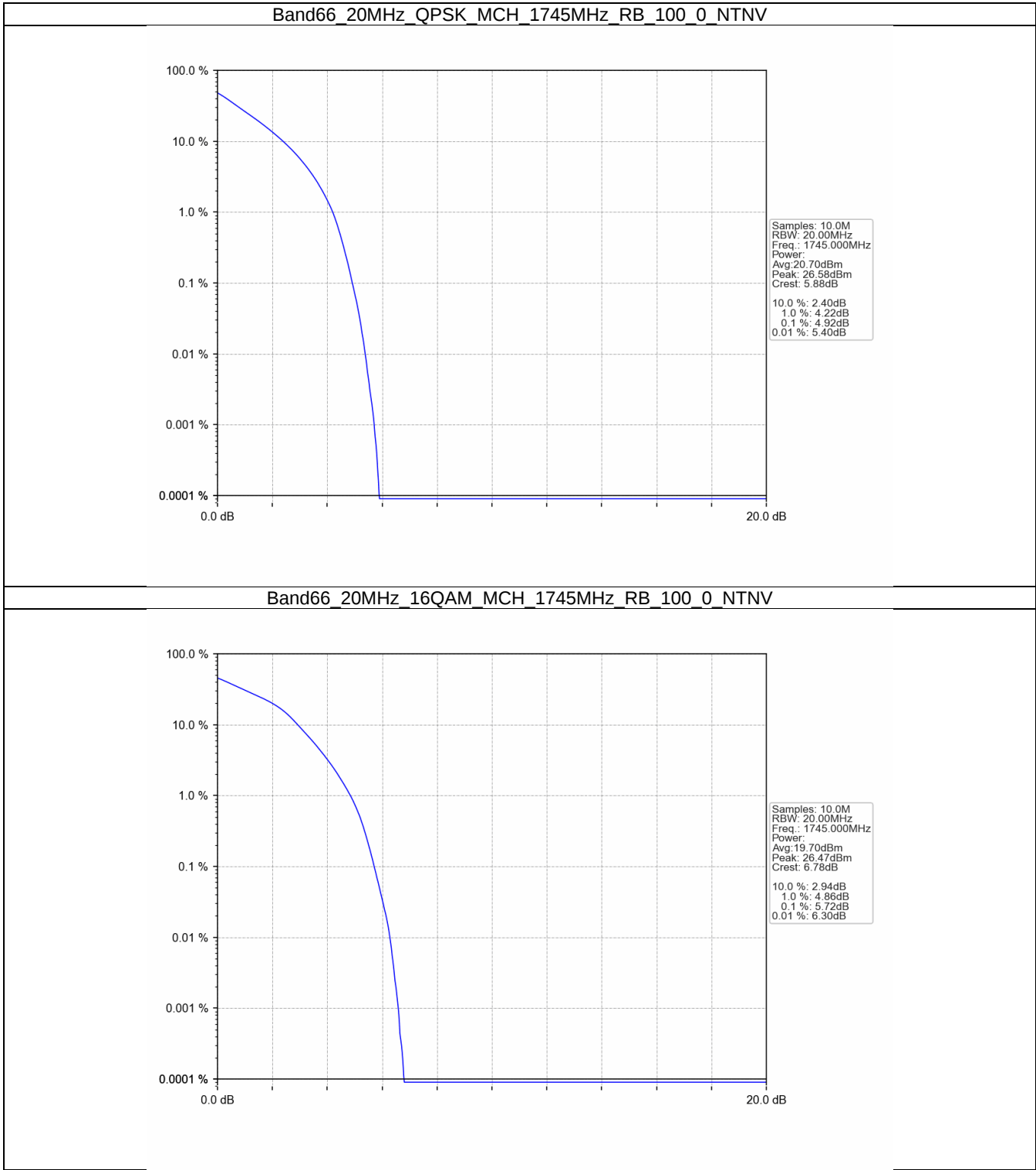
4.1 Test Result

4.1.1 B66_20MHz

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	4.92	<=13	Pass
16QAM	1745	100	0	5.72	<=13	Pass

4.2 Test Graph

4.2.1 B66_20MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B66_15MHz

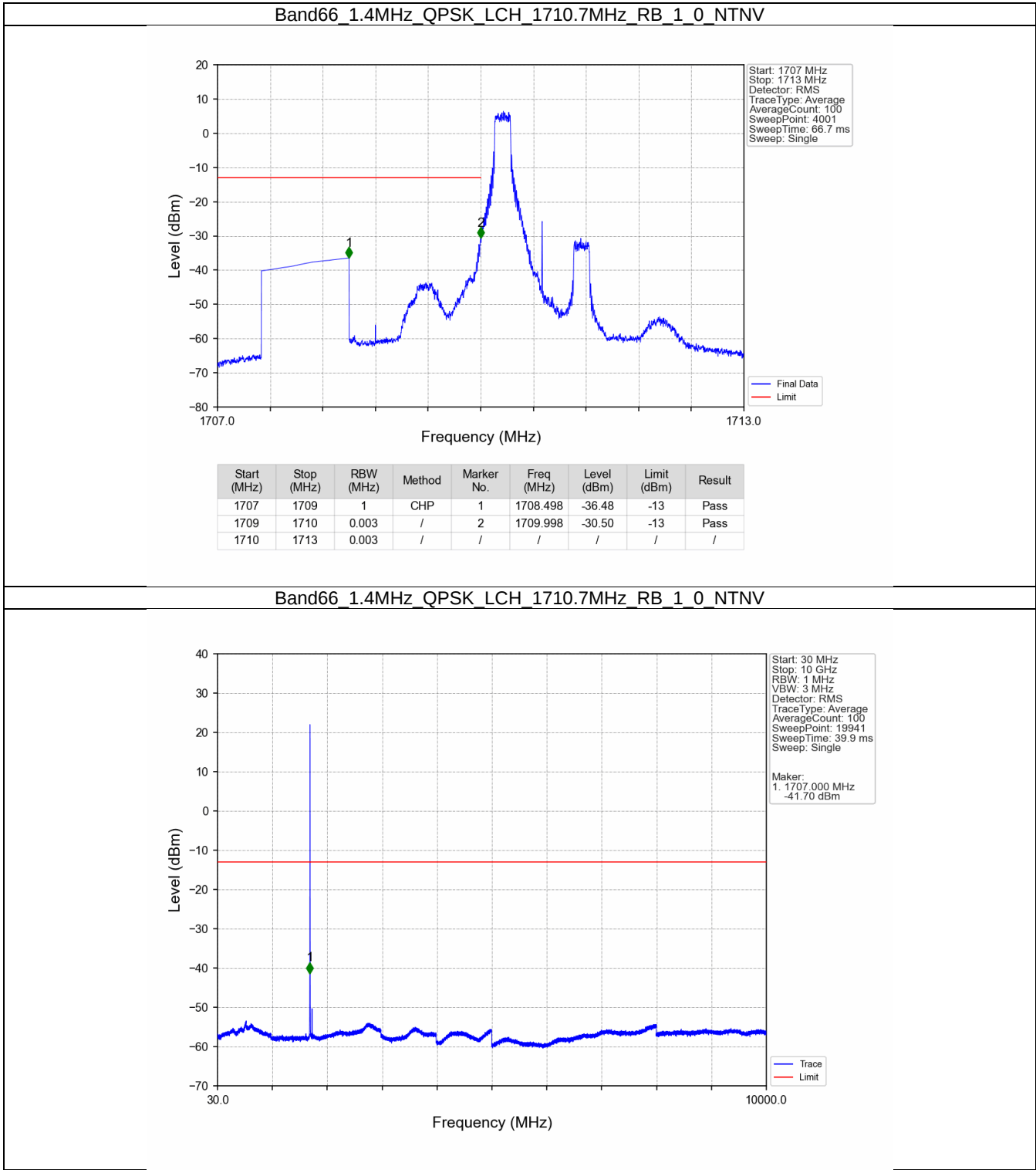
Band: 66 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B66_20MHz

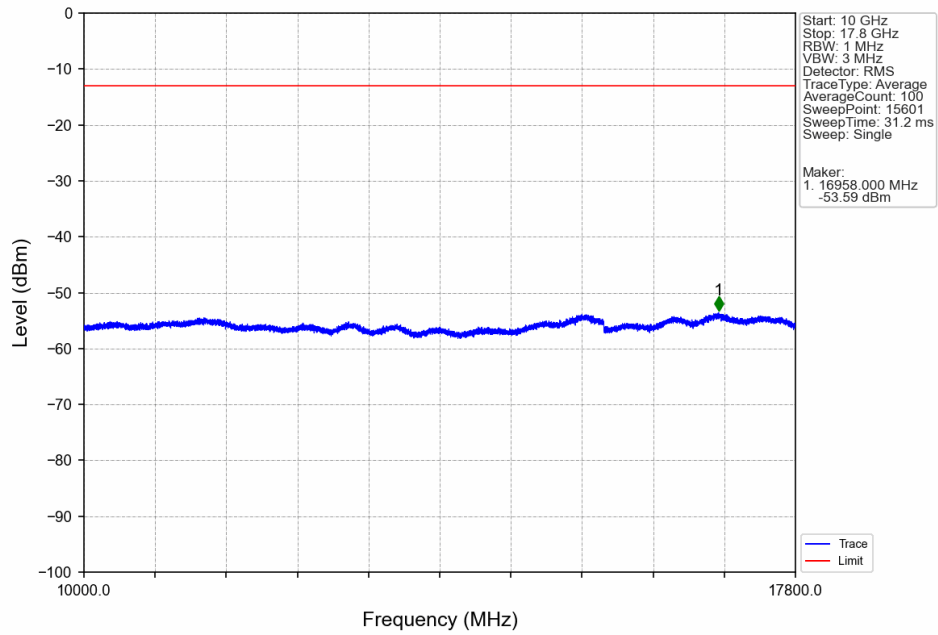
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

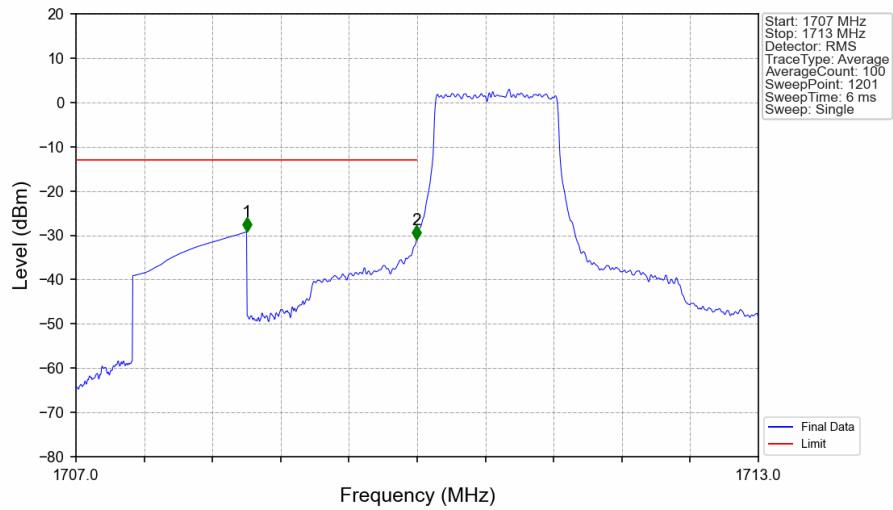
5.2.1 B66_1.4MHz



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

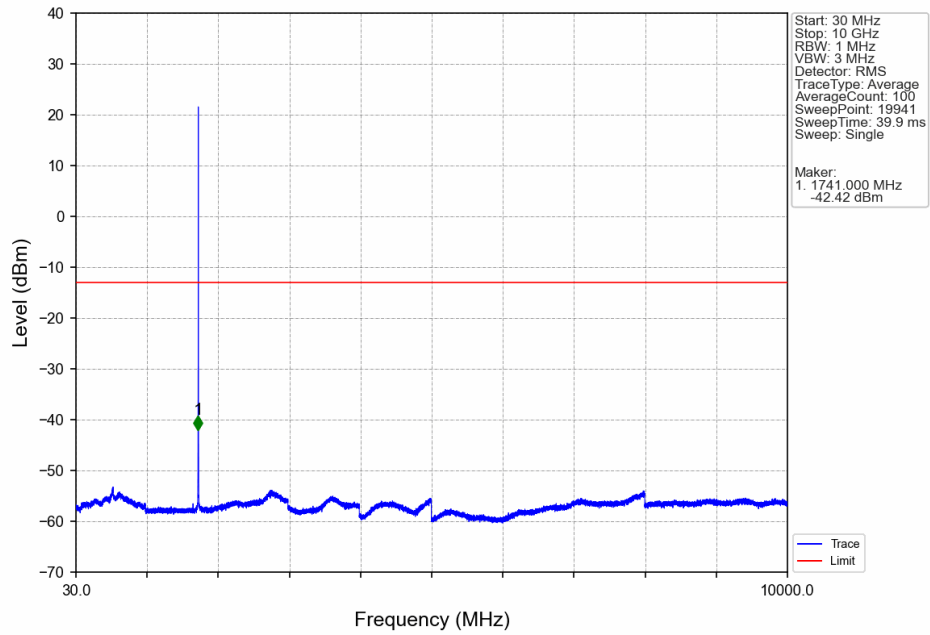


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

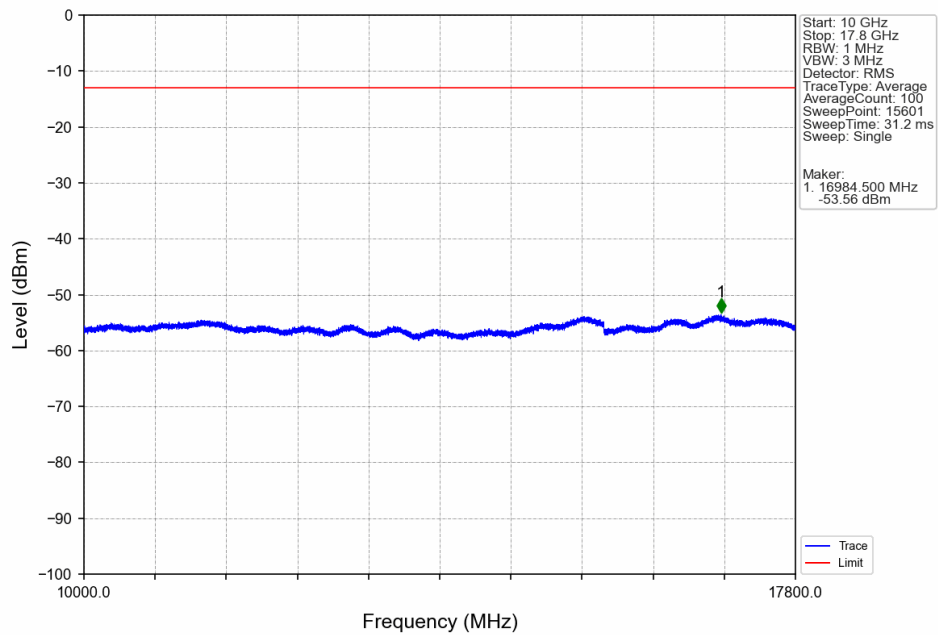


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-29.20	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-30.91	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

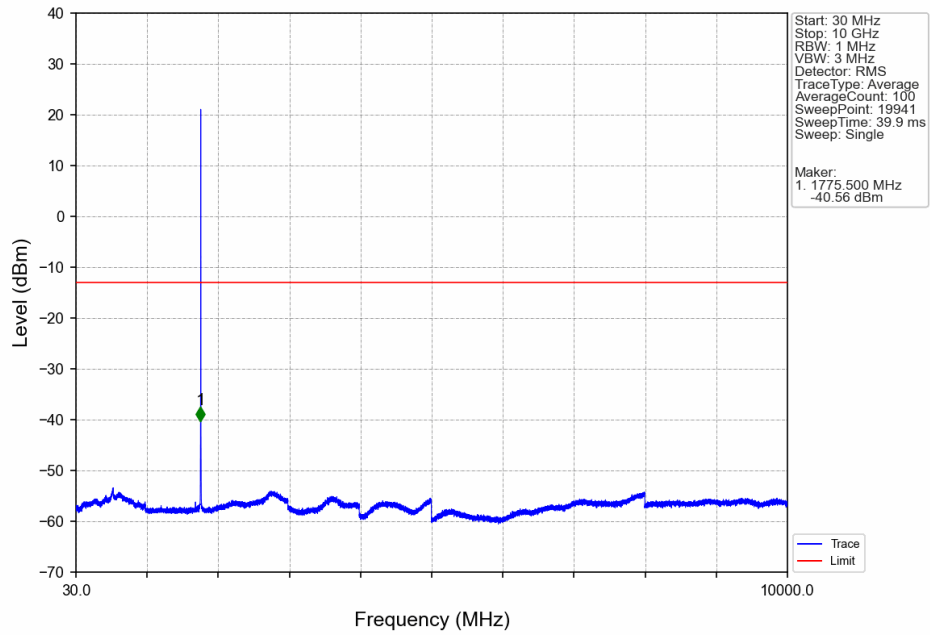
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



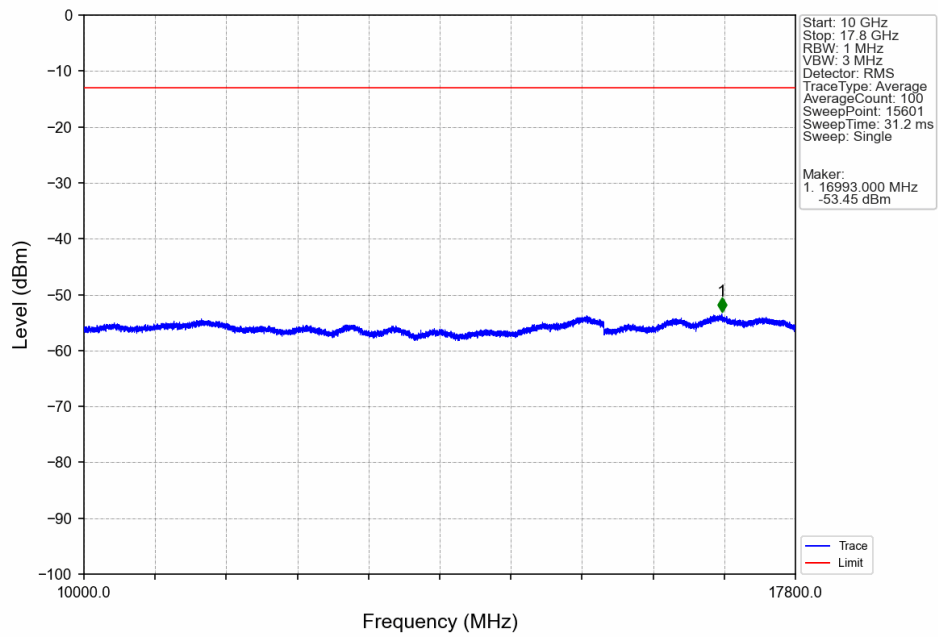
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



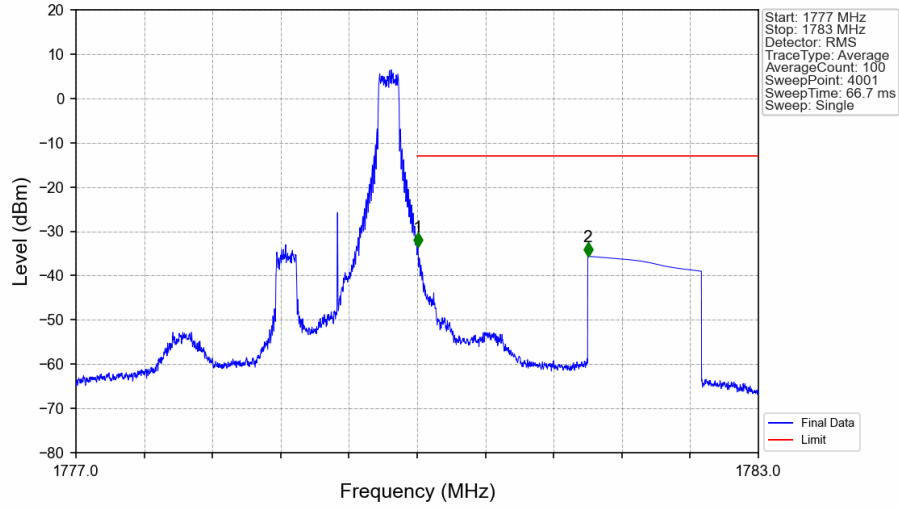
Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTNV



Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTNV

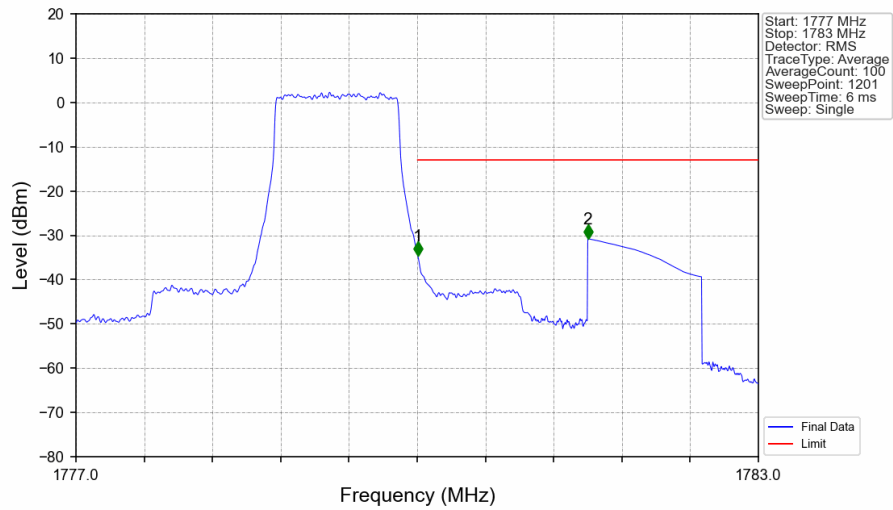


Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 5 NTNV



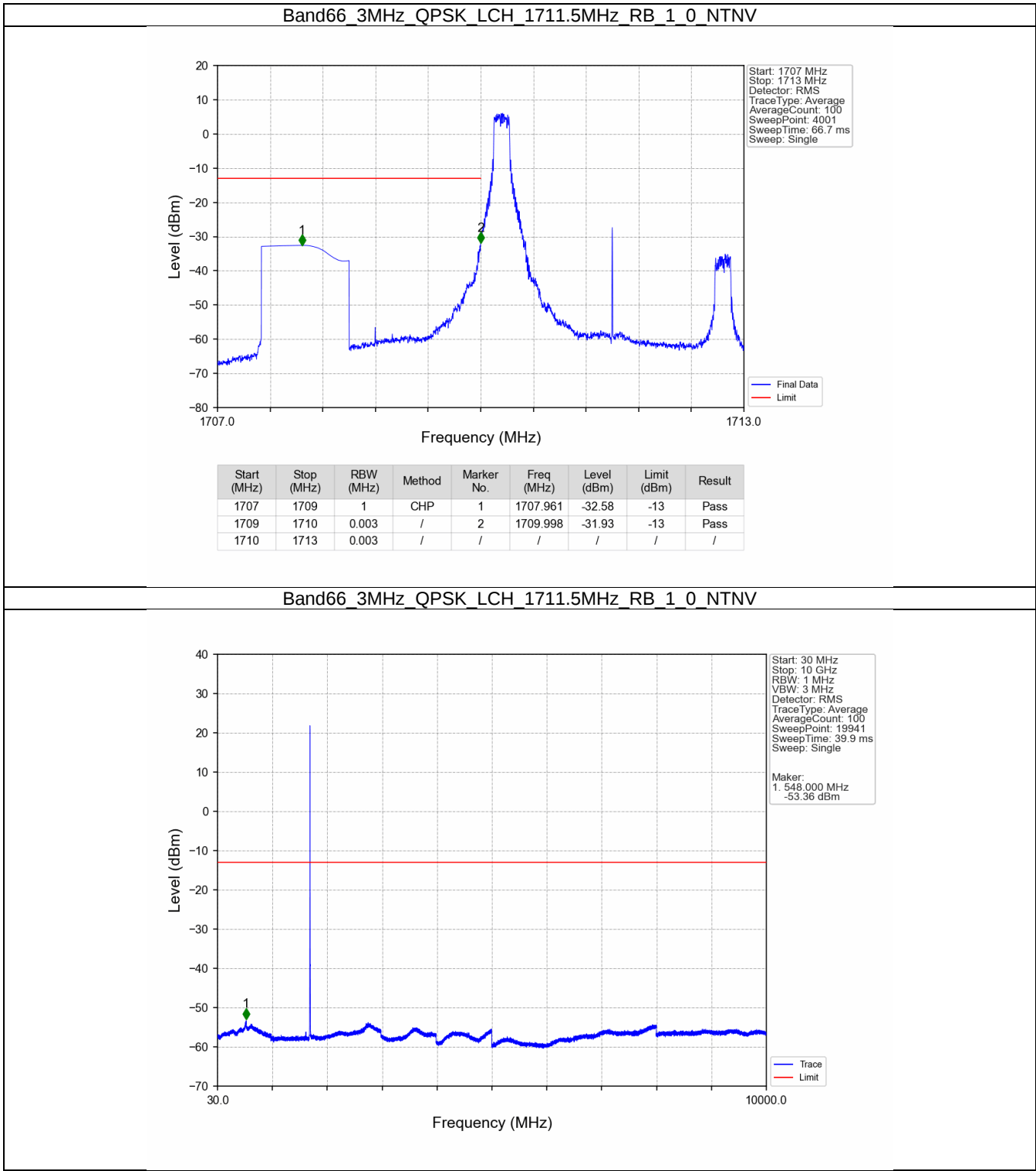
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.007	-33.44	-13	Pass
1781	1783	1	CHP	2	1781.500	-35.63	-13	Pass

Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV

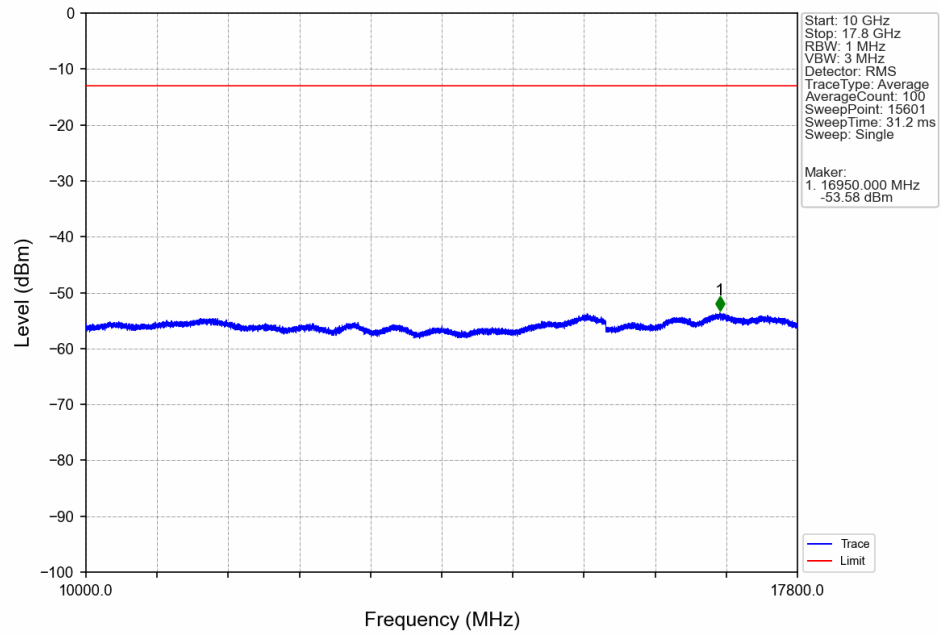


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.013	CHP	/	/	/	/	/
1780	1781	0.013	CHP	1	1780.005	-34.67	-13	Pass
1781	1783	1	CHP	2	1781.500	-30.77	-13	Pass

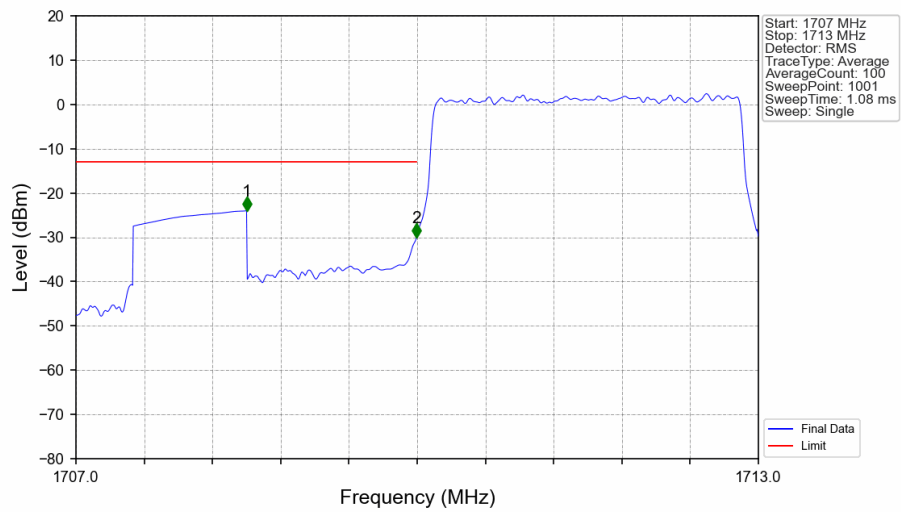
5.2.2 B66_3MHz



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

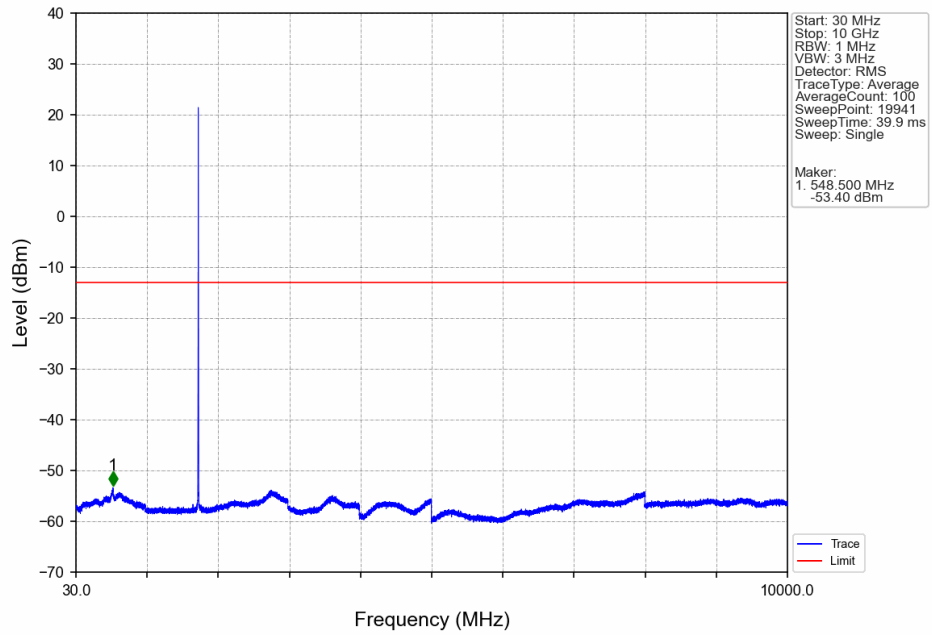


Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

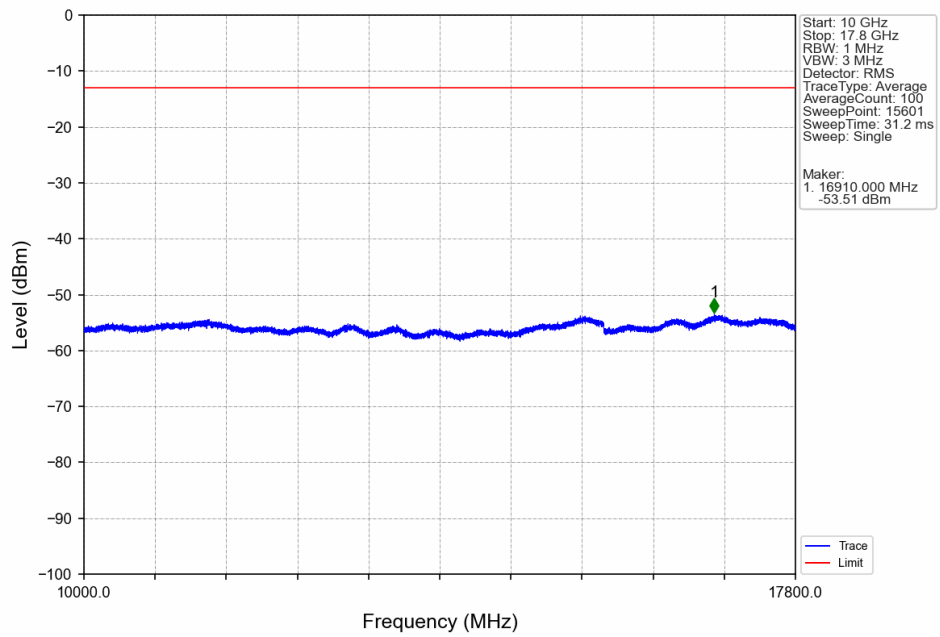


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-24.03	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-30.07	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

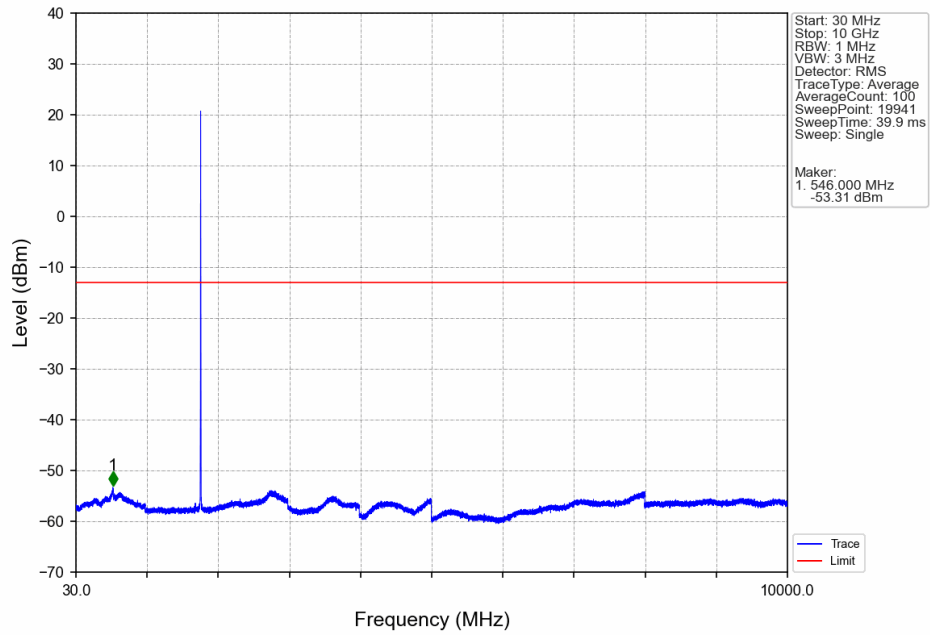
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



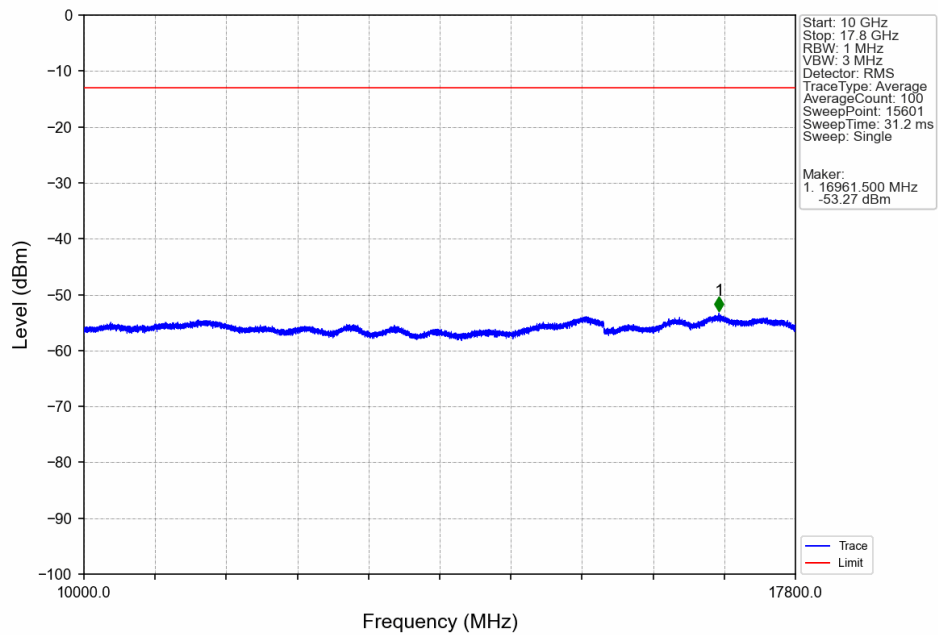
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



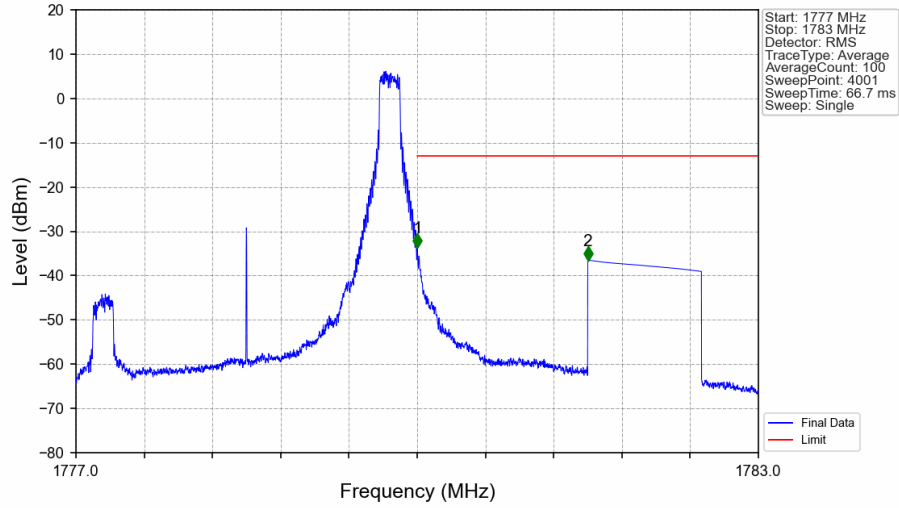
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV

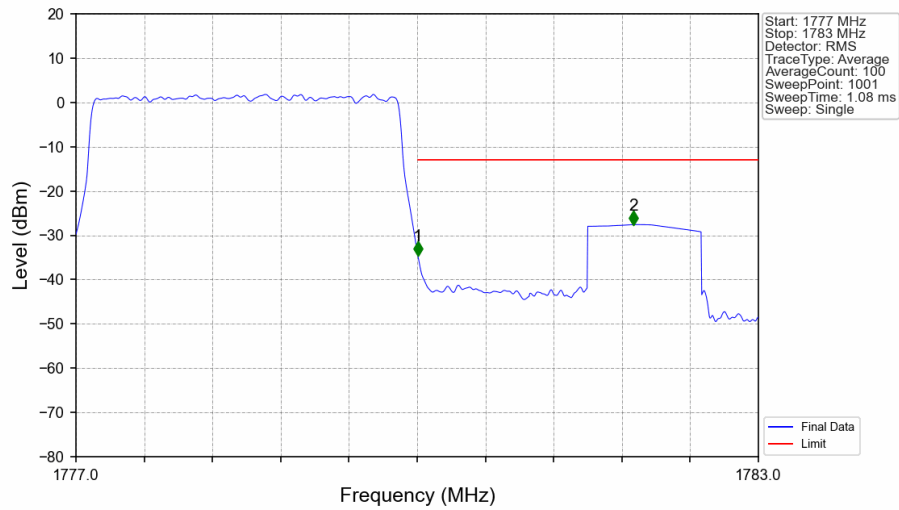


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



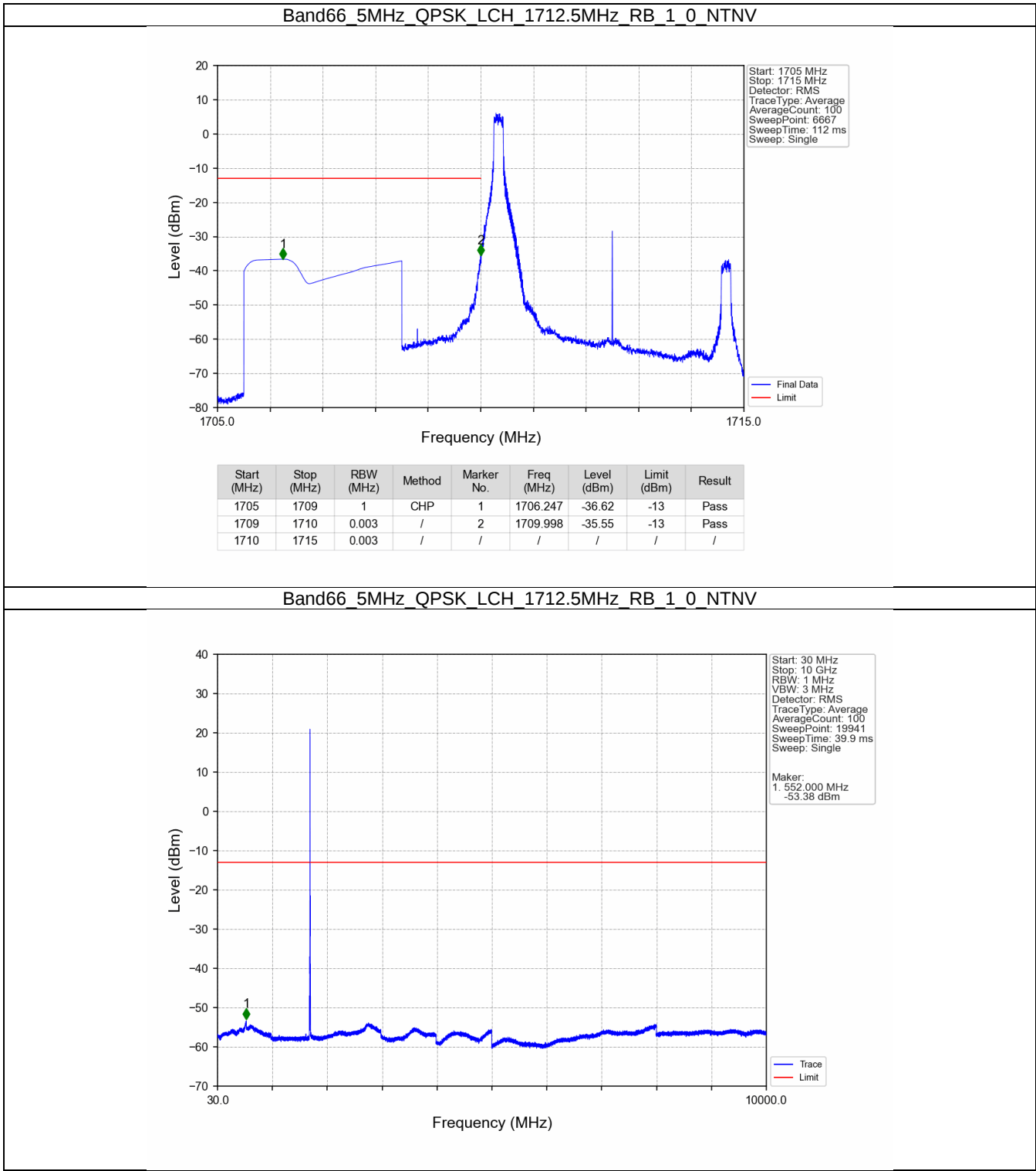
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-33.64	-13	Pass
1781	1783	1	CHP	2	1781.500	-36.51	-13	Pass

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV

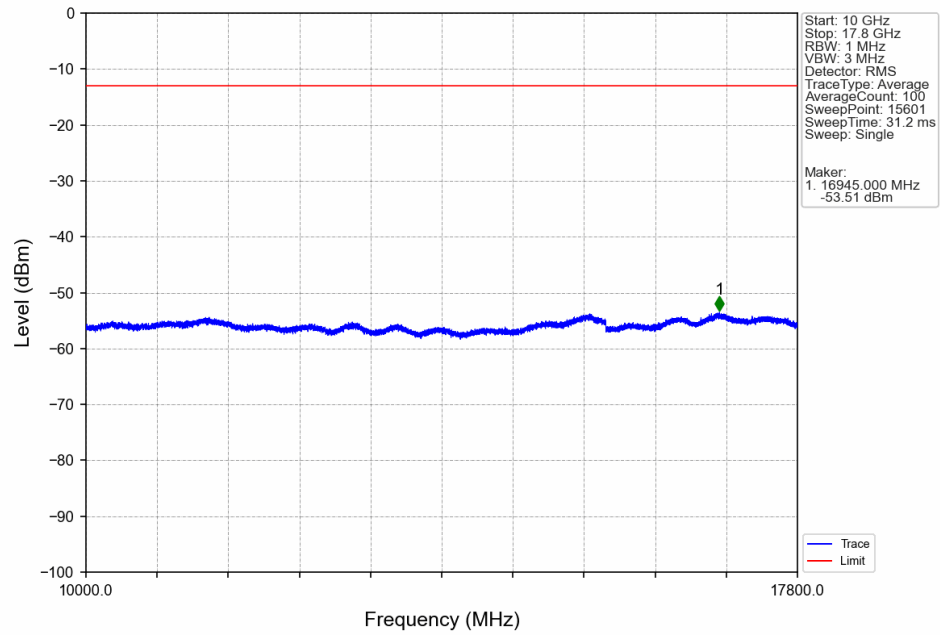


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.031	CHP	/	/	/	/	/
1780	1781	0.031	CHP	1	1780.006	-34.58	-13	Pass
1781	1783	1	CHP	2	1781.902	-27.59	-13	Pass

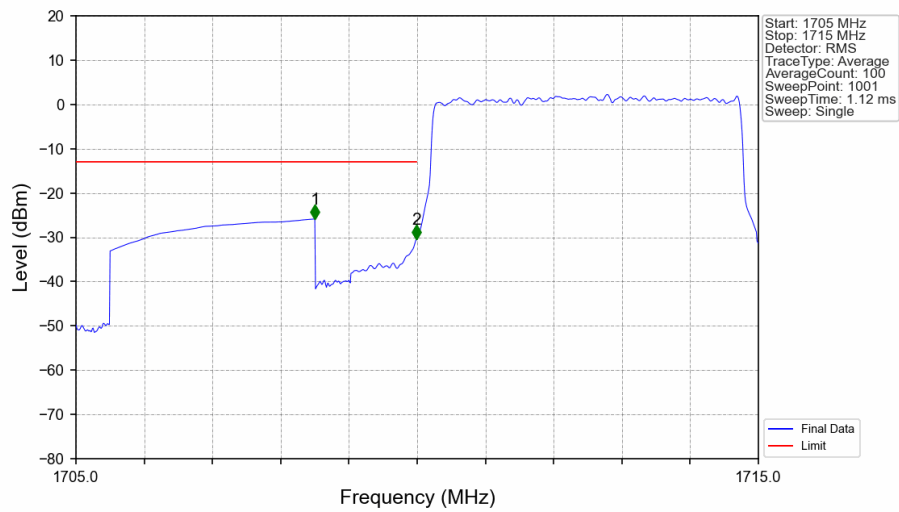
5.2.3 B66_5MHz



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

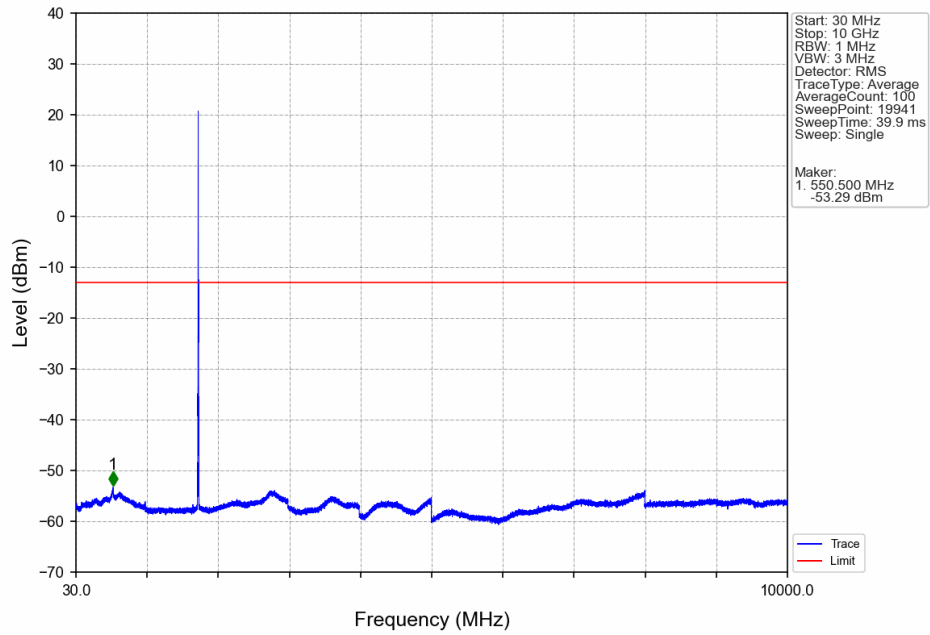


Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

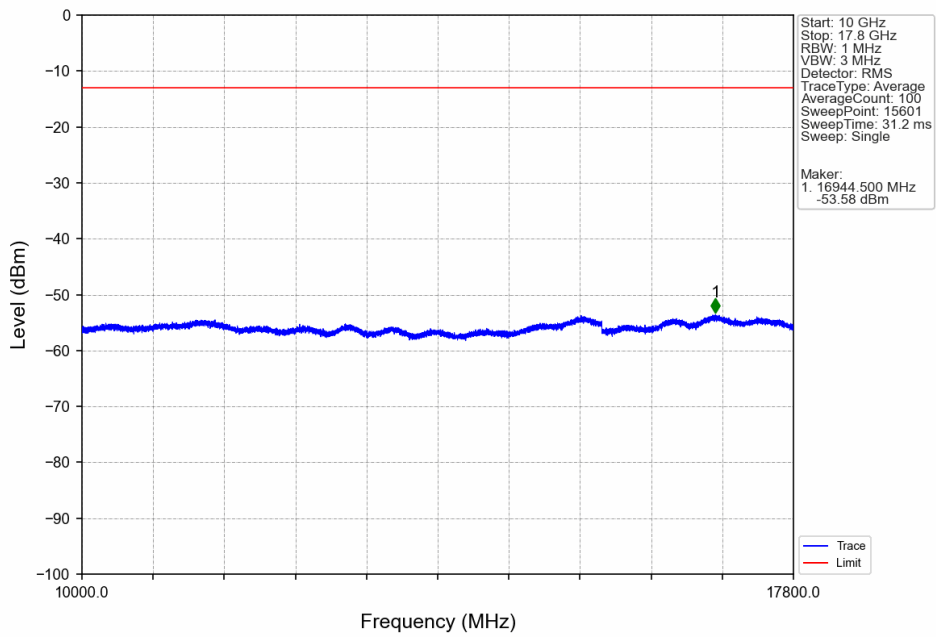


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-25.87	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-30.35	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

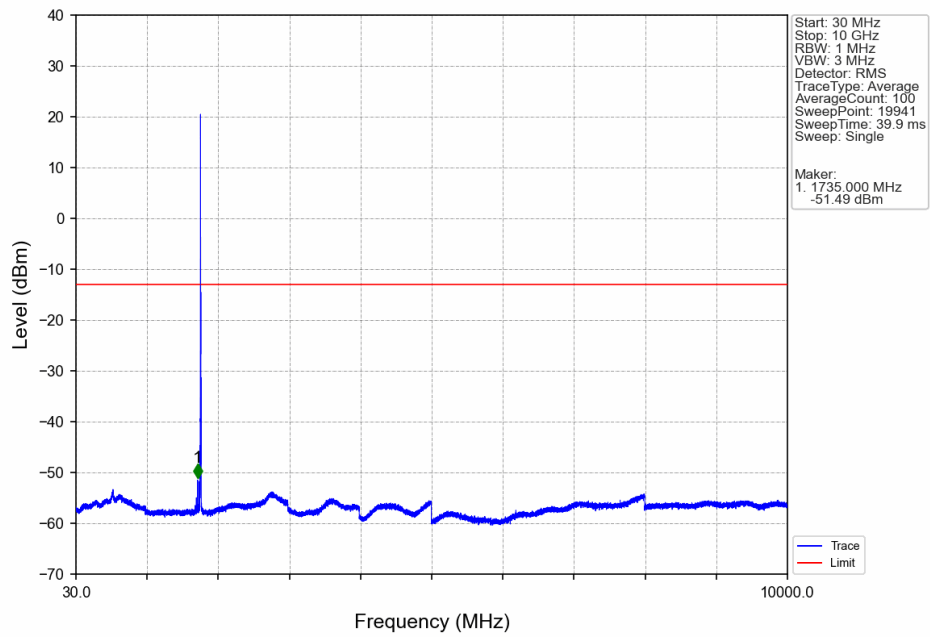
Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTN



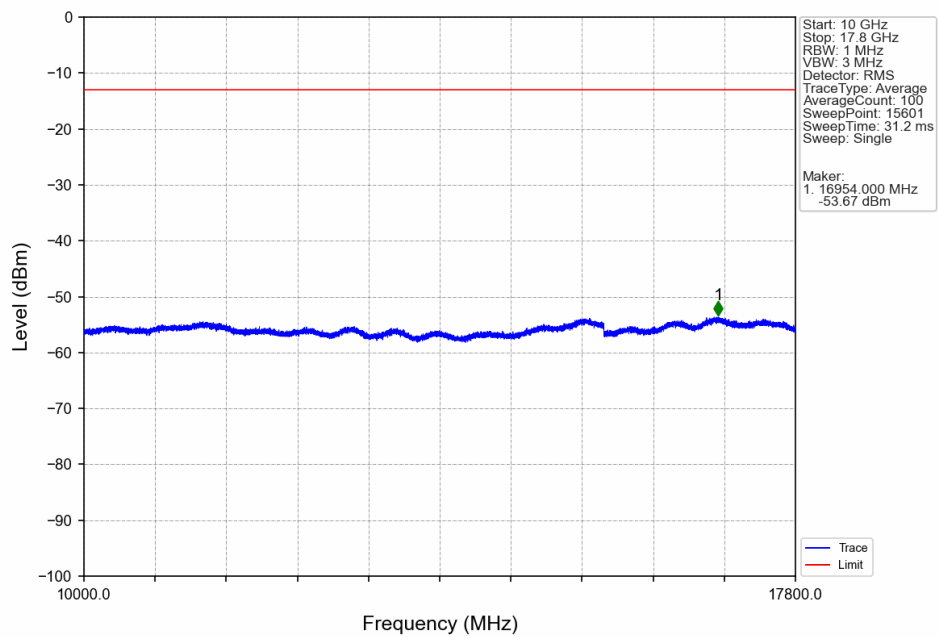
Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTN



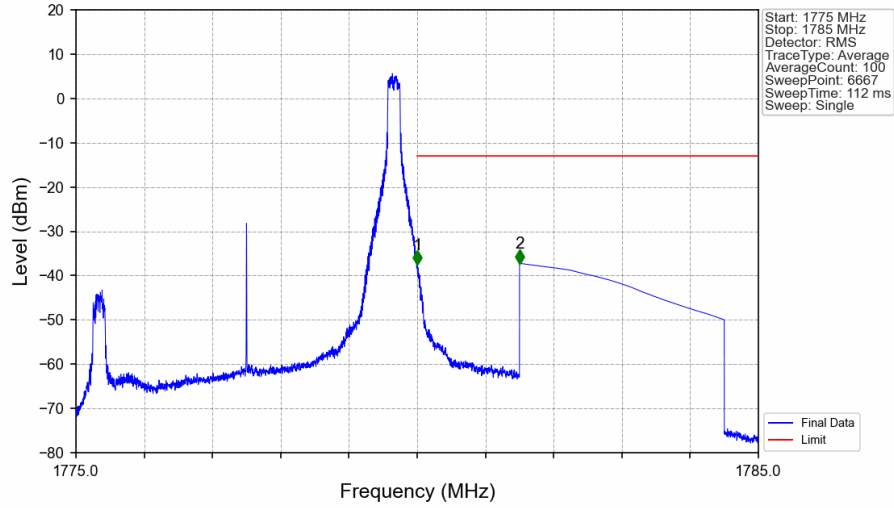
Band66 5MHz QPSK HCH 1777.5MHz RB 1 0 NTNV



Band66 5MHz QPSK HCH 1777.5MHz RB 1 0 NTNV

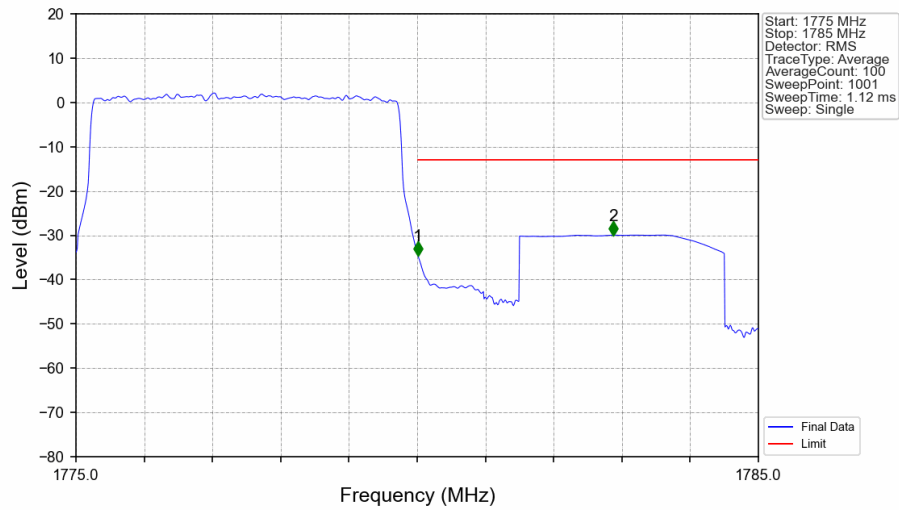


Band66 5MHz QPSK HCH 1777.5MHz RB 1 24 NTNV



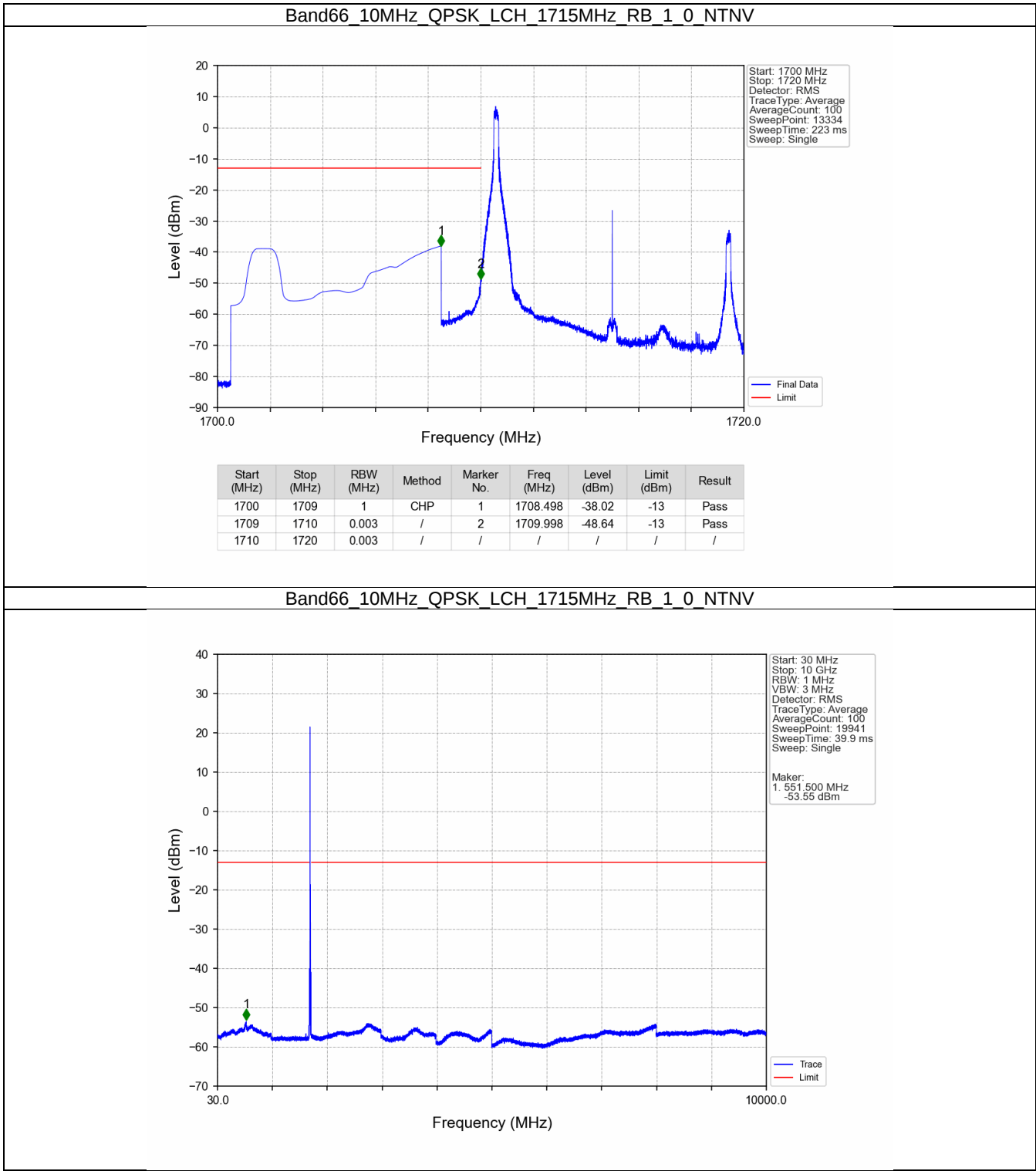
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-37.46	-13	Pass
1781	1785	1	CHP	2	1781.500	-37.23	-13	Pass

Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV

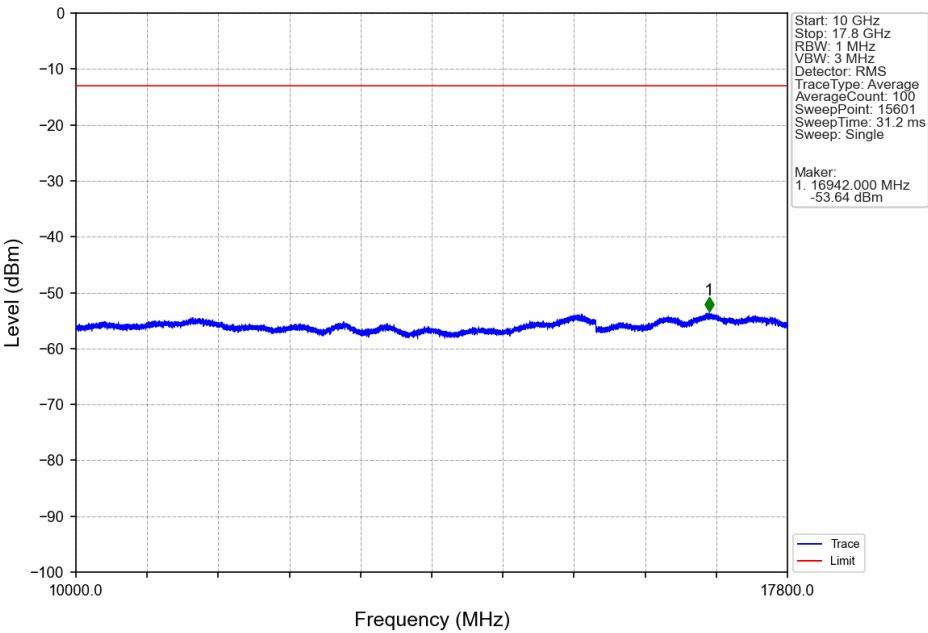


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.05	CHP	/	/	/	/	/
1780	1781	0.05	CHP	1	1780.010	-34.55	-13	Pass
1781	1785	1	CHP	2	1782.870	-29.96	-13	Pass

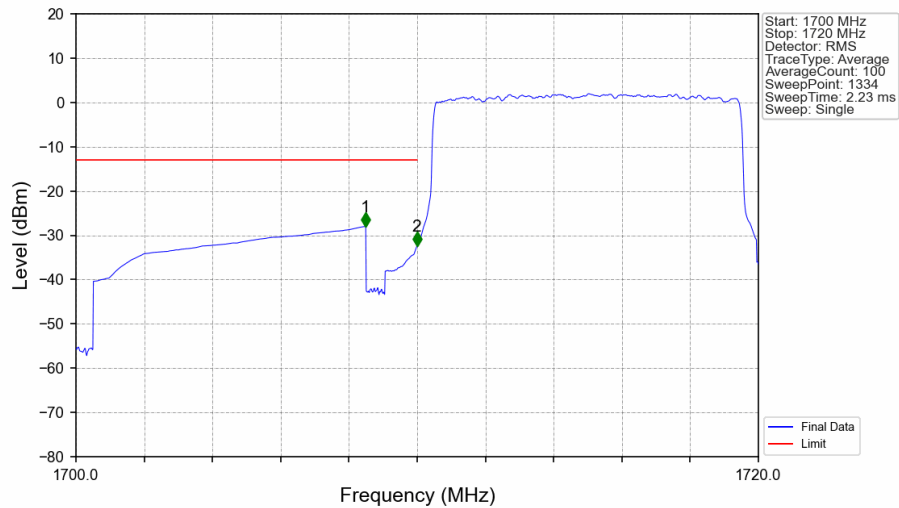
5.2.4 B66_10MHz



Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

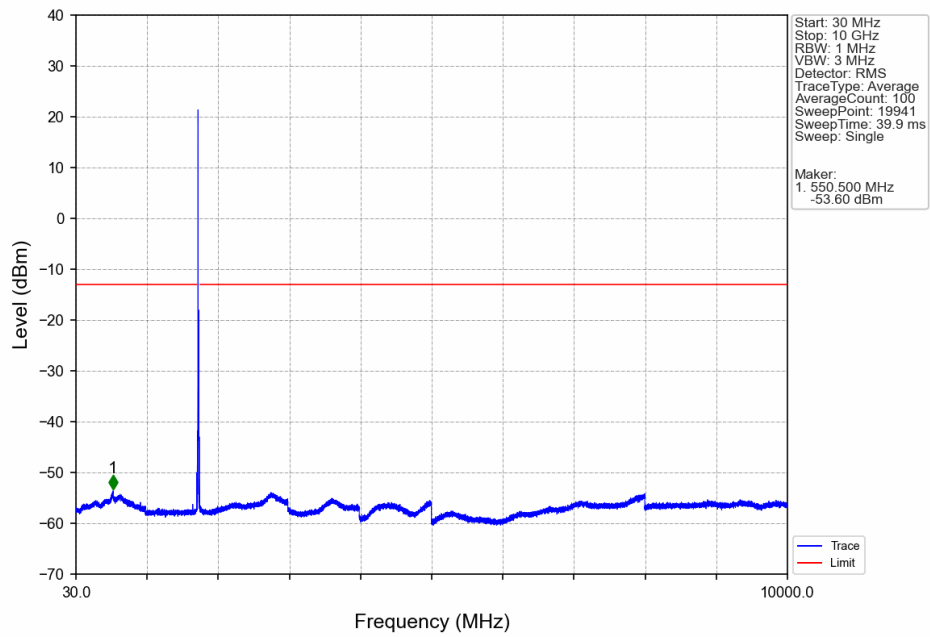


Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

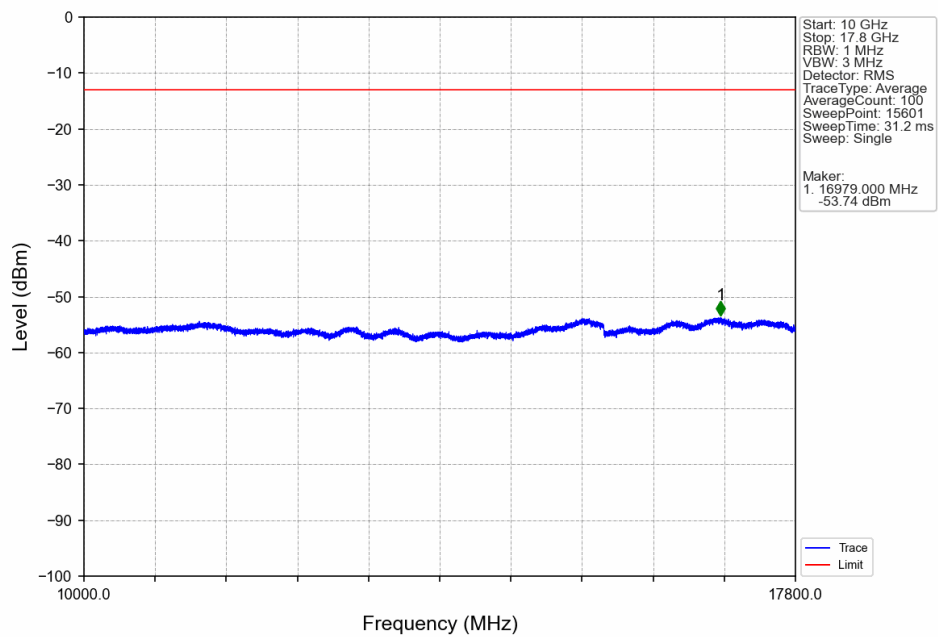


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.477	-27.99	-13	Pass
1709	1710	0.098	CHP	2	1709.992	-32.40	-13	Pass
1710	1720	0.098	CHP	/	/	/	/	/

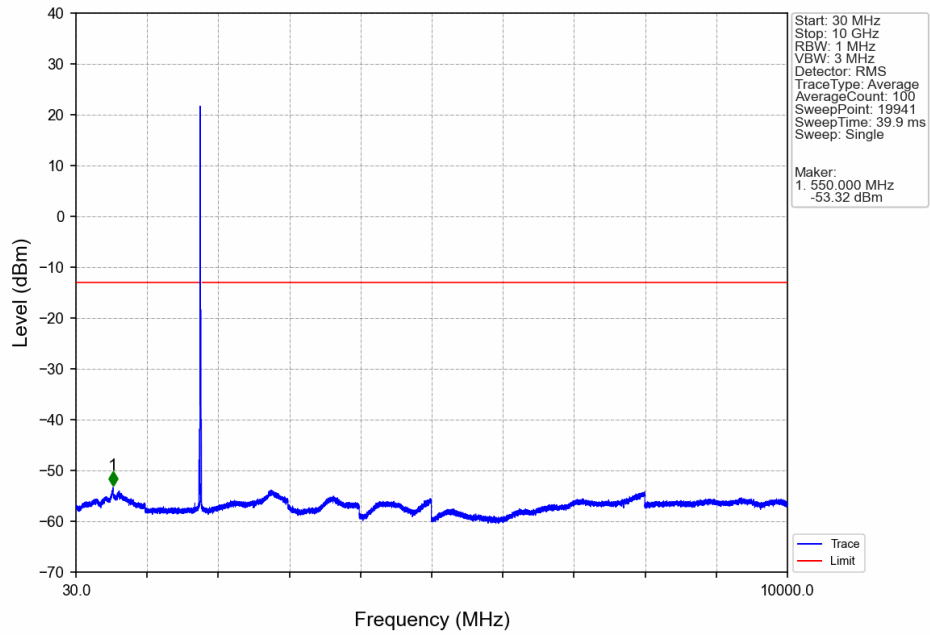
Band66 10MHz QPSK MCH 1745MHz RB 1 0 NTNV



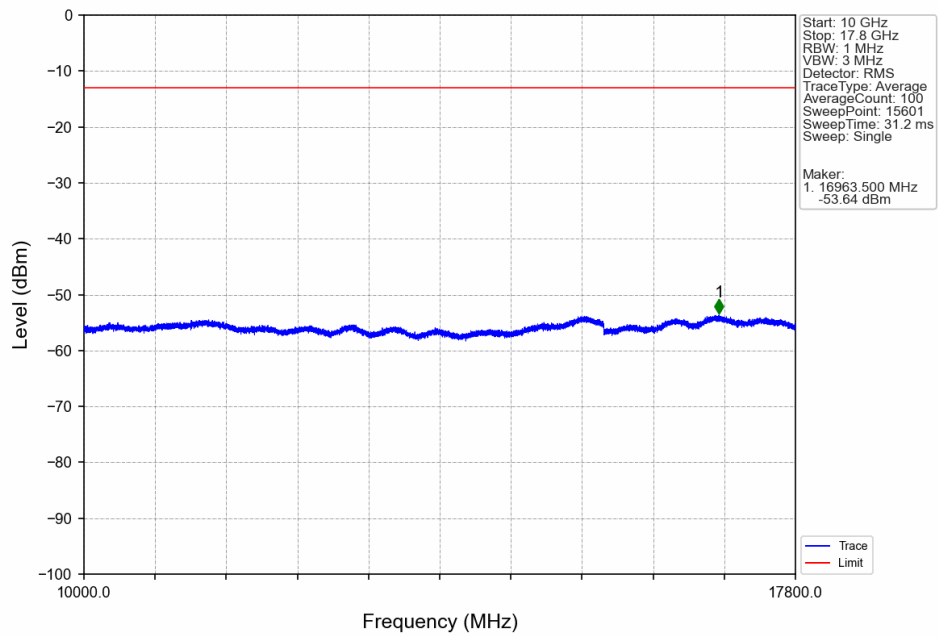
Band66 10MHz QPSK MCH 1745MHz RB 1 0 NTNV



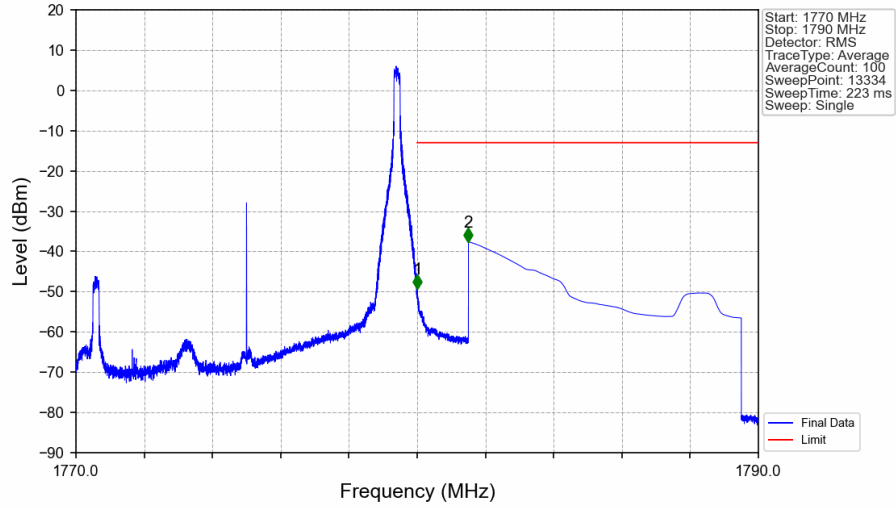
Band66 10MHz QPSK HCH 1775MHz RB 1 0 NTN



Band66 10MHz QPSK HCH 1775MHz RB 1 0 NTN

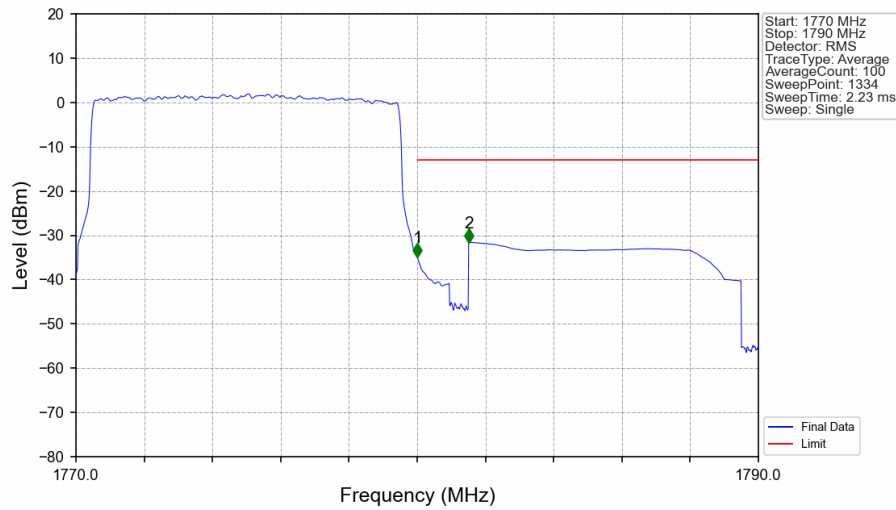


Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTNV



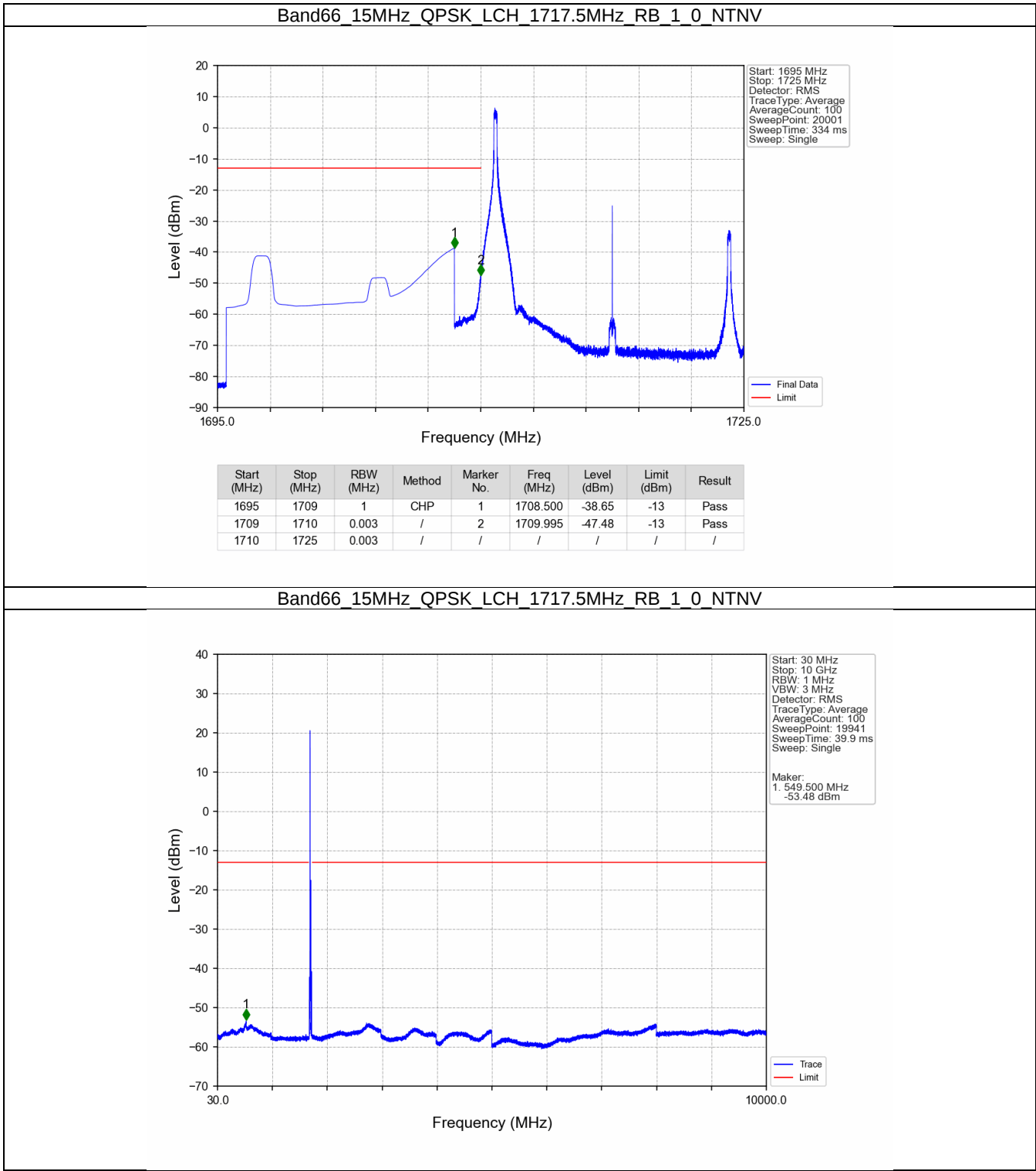
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-49.25	-13	Pass
1781	1790	1	CHP	2	1781.501	-37.61	-13	Pass

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV

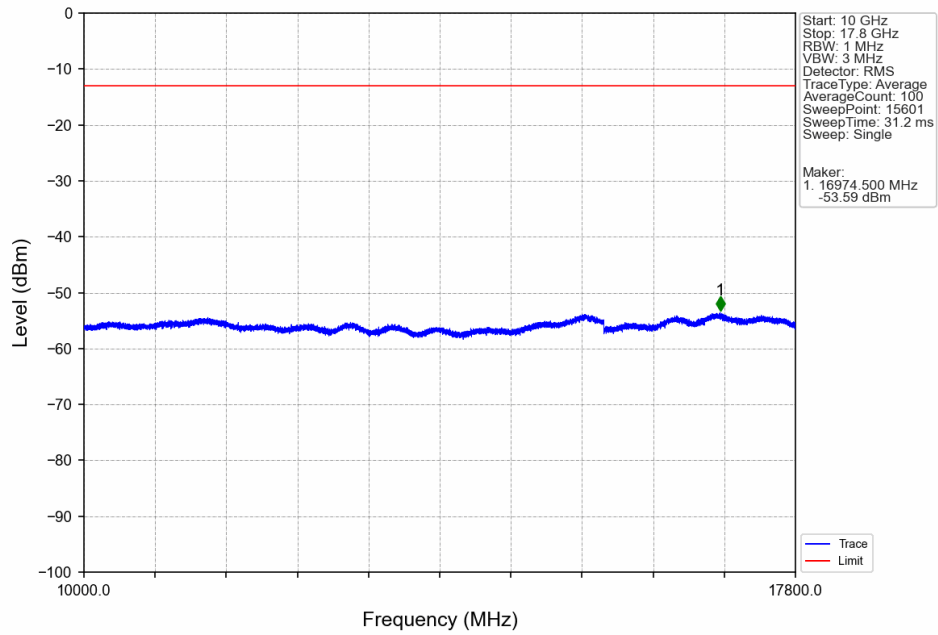


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.098	CHP	/	/	/	/	/
1780	1781	0.098	CHP	1	1780.008	-35.02	-13	Pass
1781	1790	1	CHP	2	1781.508	-31.62	-13	Pass

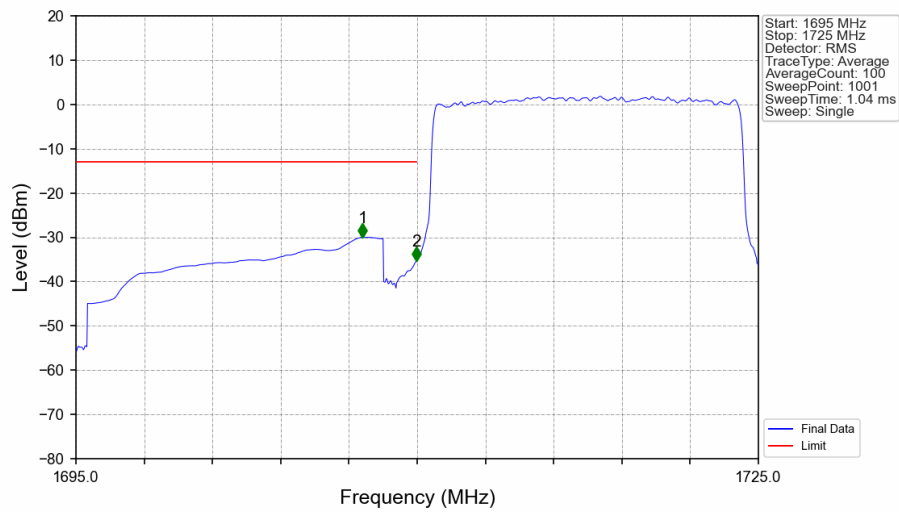
5.2.5 B66_15MHz



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

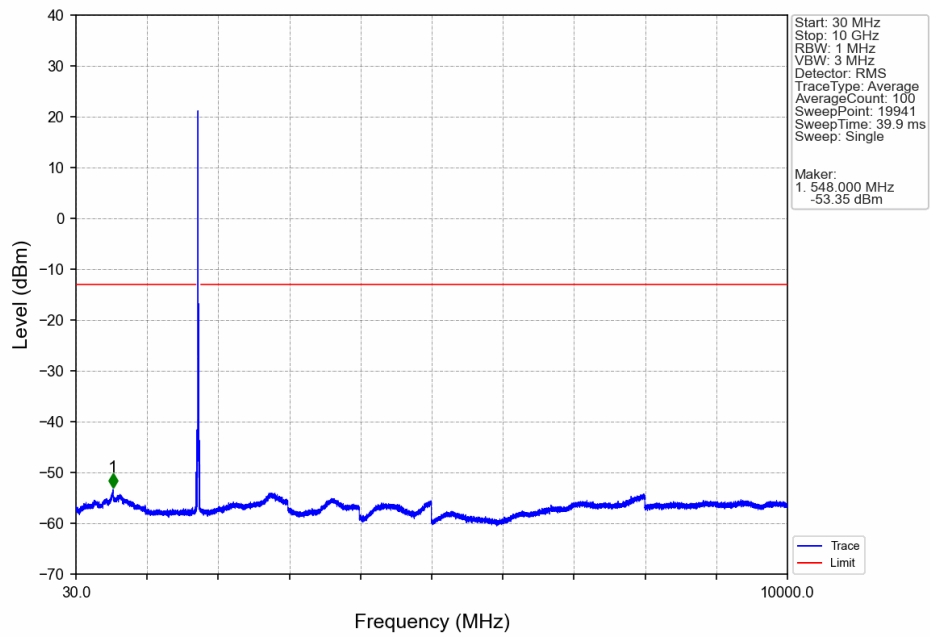


Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

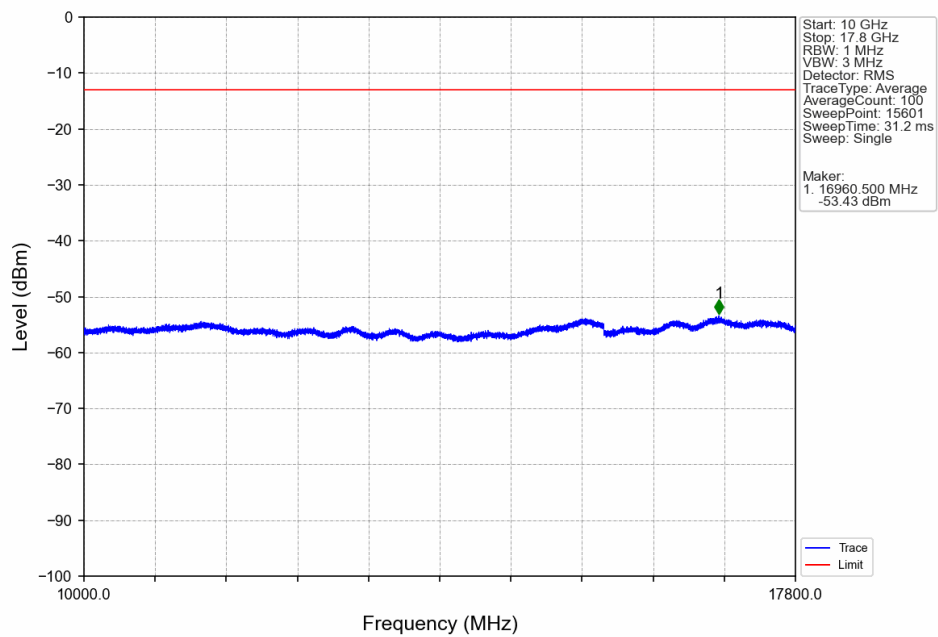


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.600	-29.97	-13	Pass
1709	1710	0.144	CHP	2	1709.970	-35.28	-13	Pass
1710	1725	0.144	CHP	/	/	/	/	/

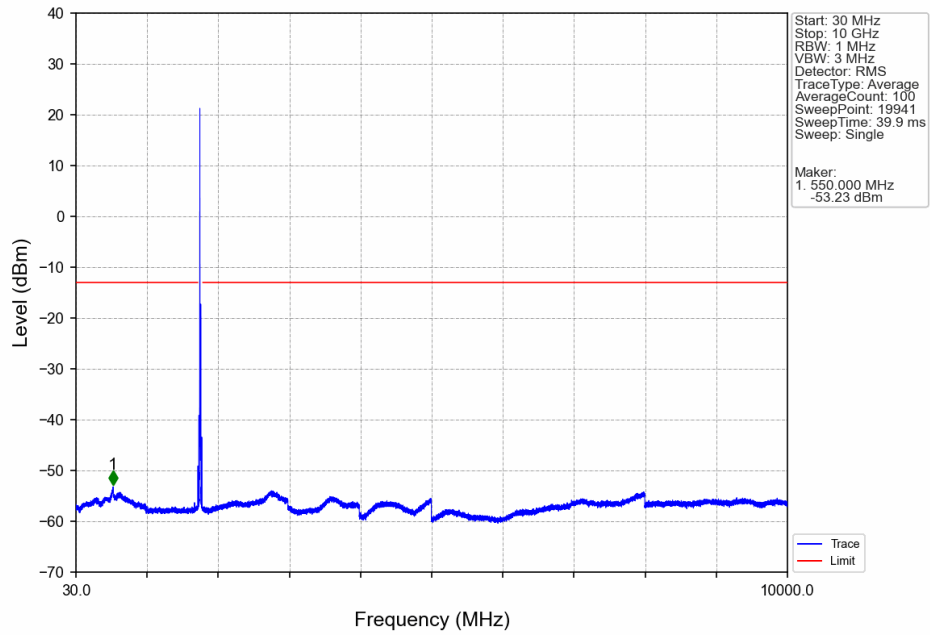
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



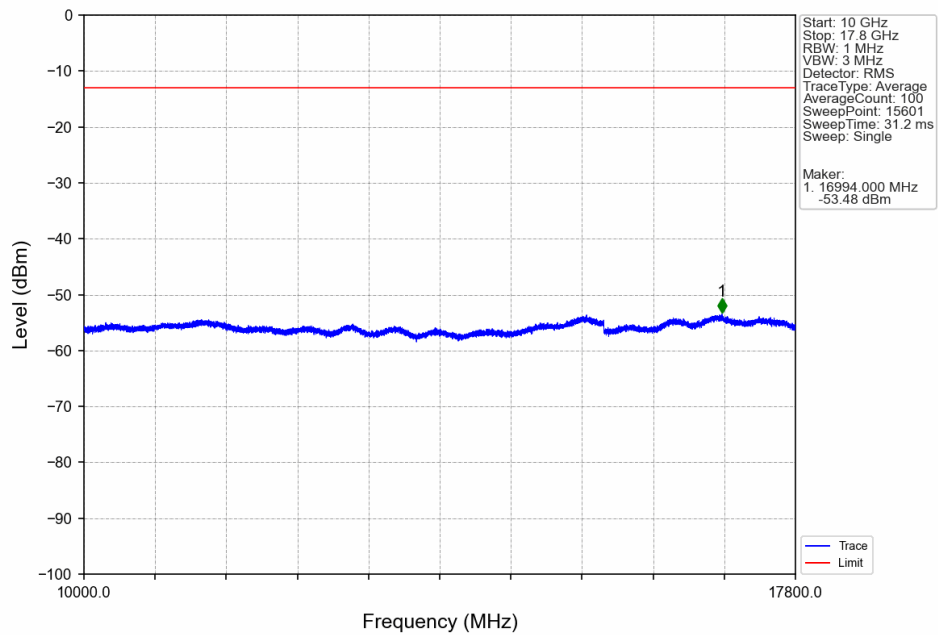
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



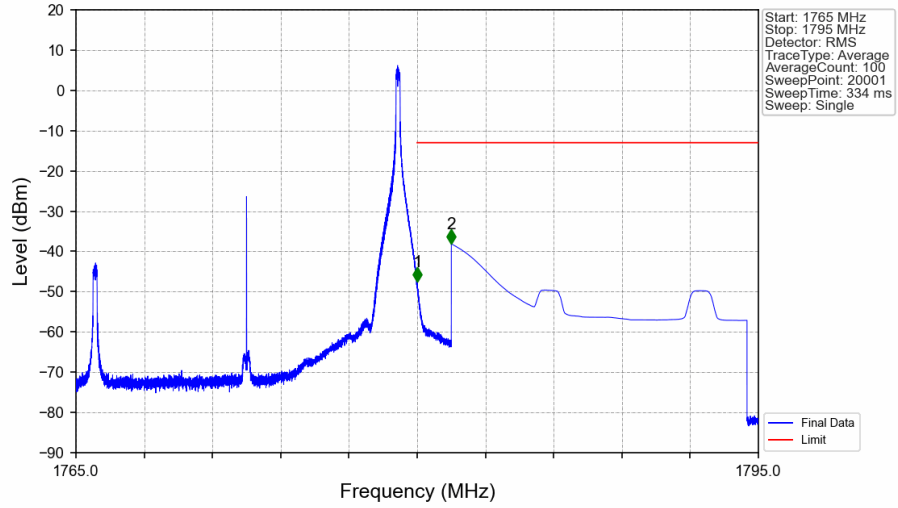
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV

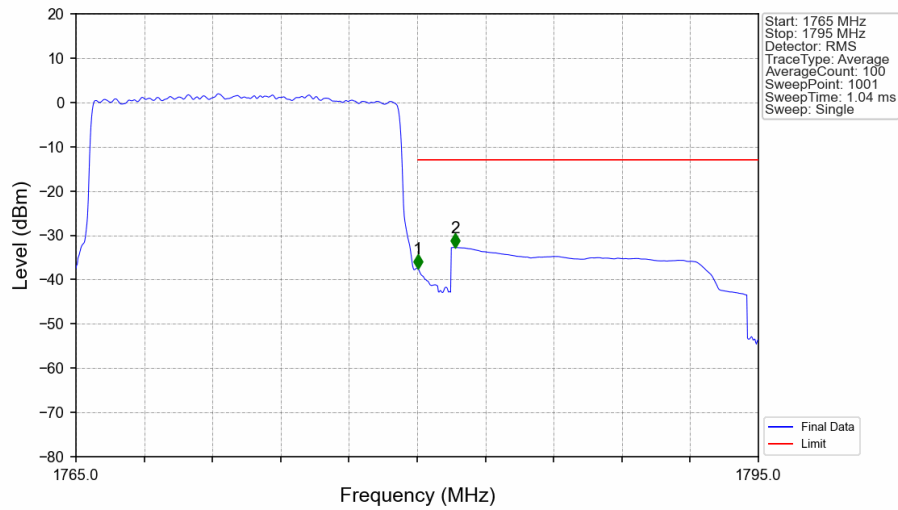


Band66 15MHz QPSK HCH 1772.5MHz RB 1 74 NTNV



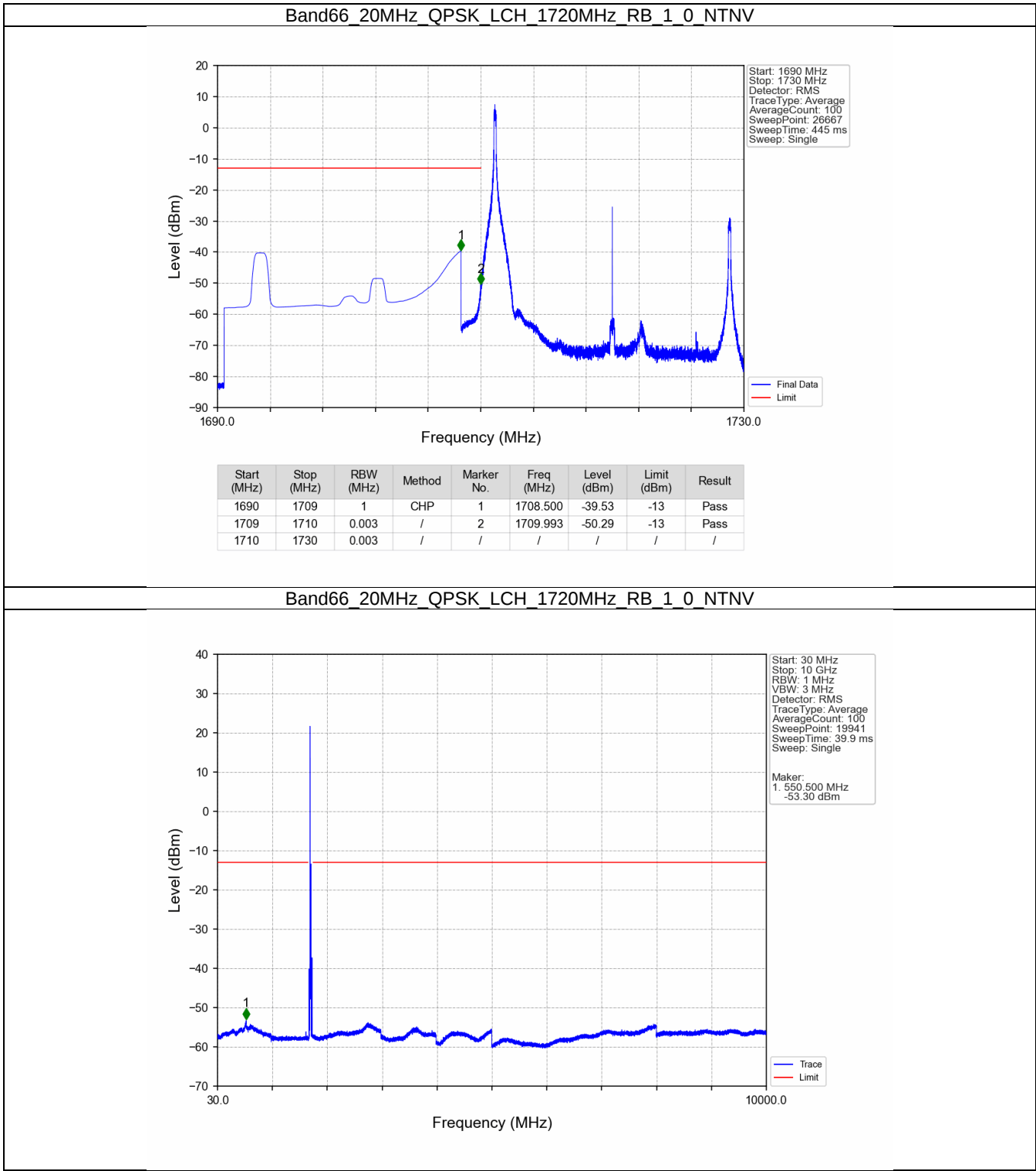
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.003	-47.52	-13	Pass
1781	1795	1	CHP	2	1781.500	-38.13	-13	Pass

Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTNV

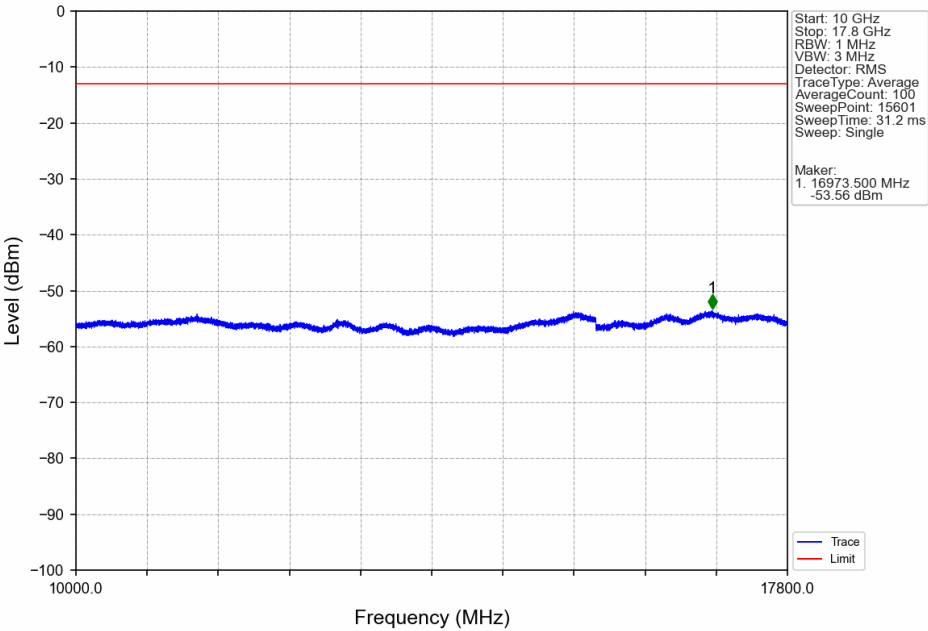


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.144	CHP	/	/	/	/	/
1780	1781	0.144	CHP	1	1780.030	-37.49	-13	Pass
1781	1795	1	CHP	2	1781.680	-32.72	-13	Pass

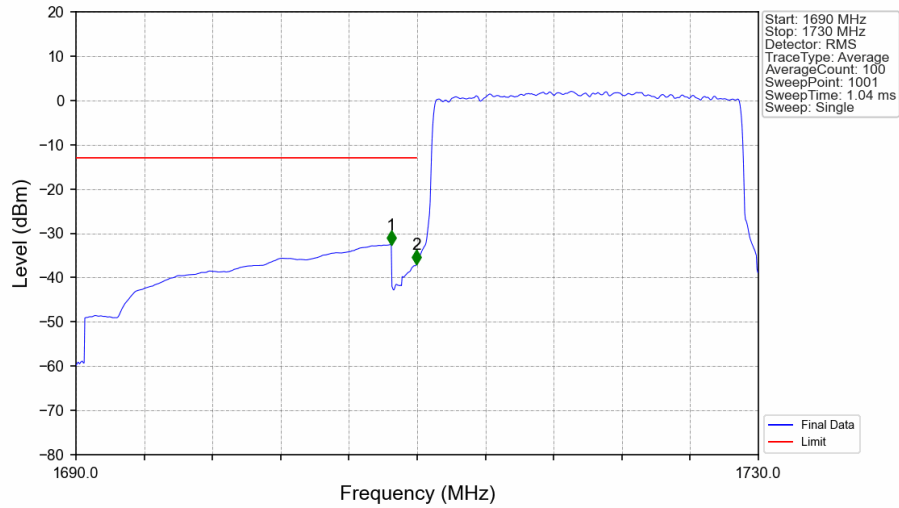
5.2.6 B66_20MHz



Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

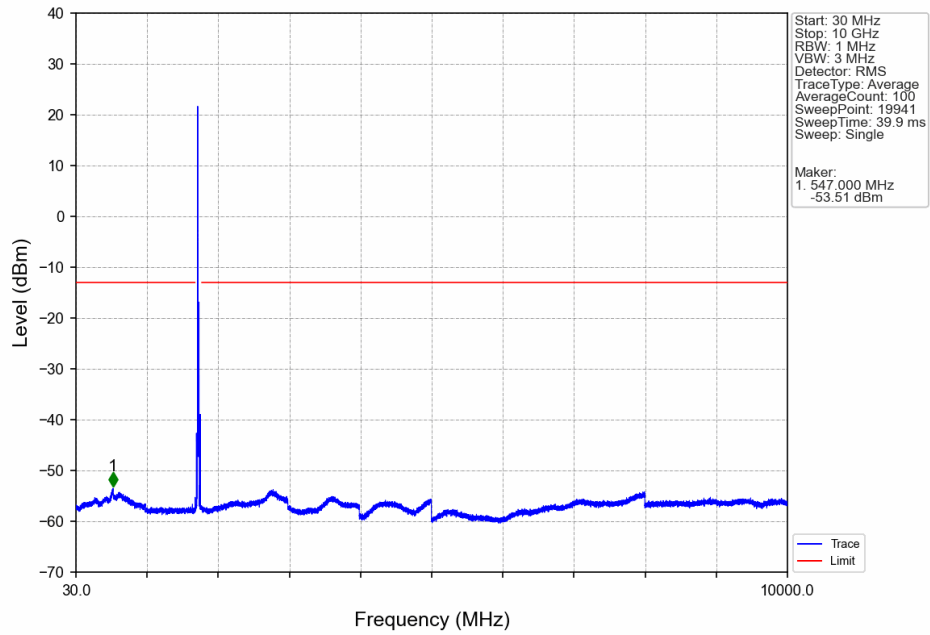


Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

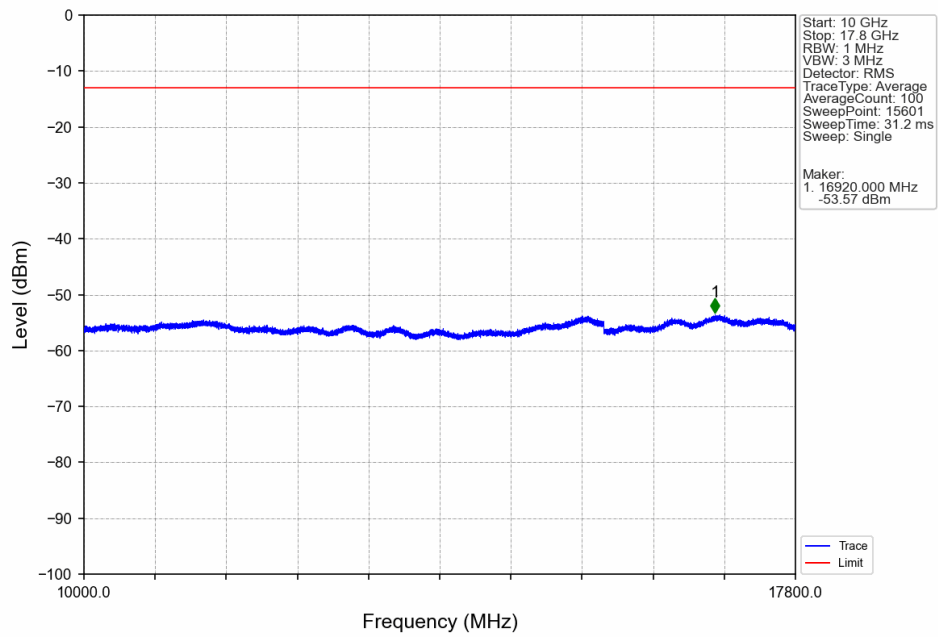


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-32.52	-13	Pass
1709	1710	0.196	CHP	2	1709.960	-36.98	-13	Pass
1710	1730	0.196	CHP	/	/	/	/	/

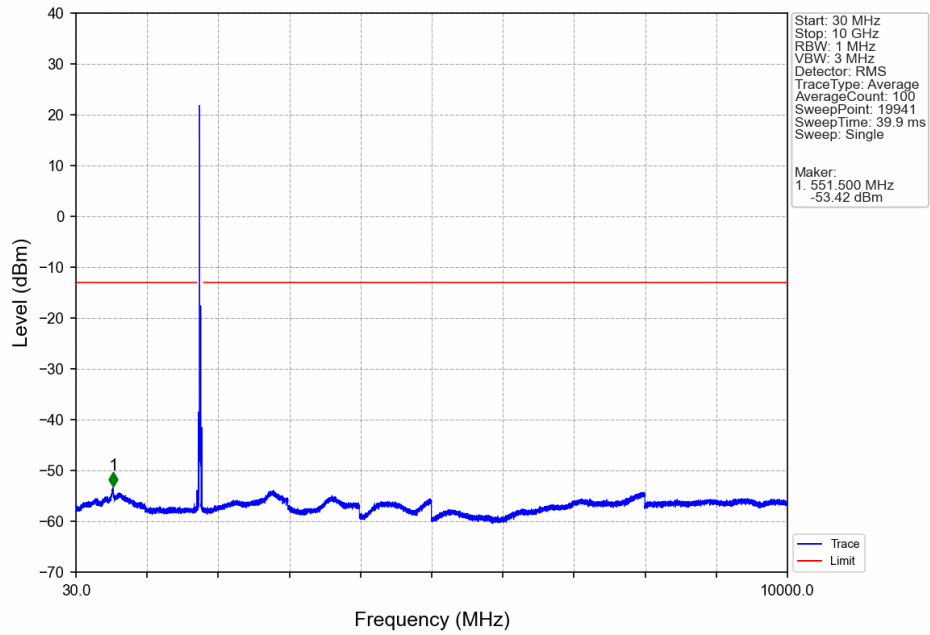
Band66 20MHz QPSK MCH 1745MHz RB 1 0 NTNV



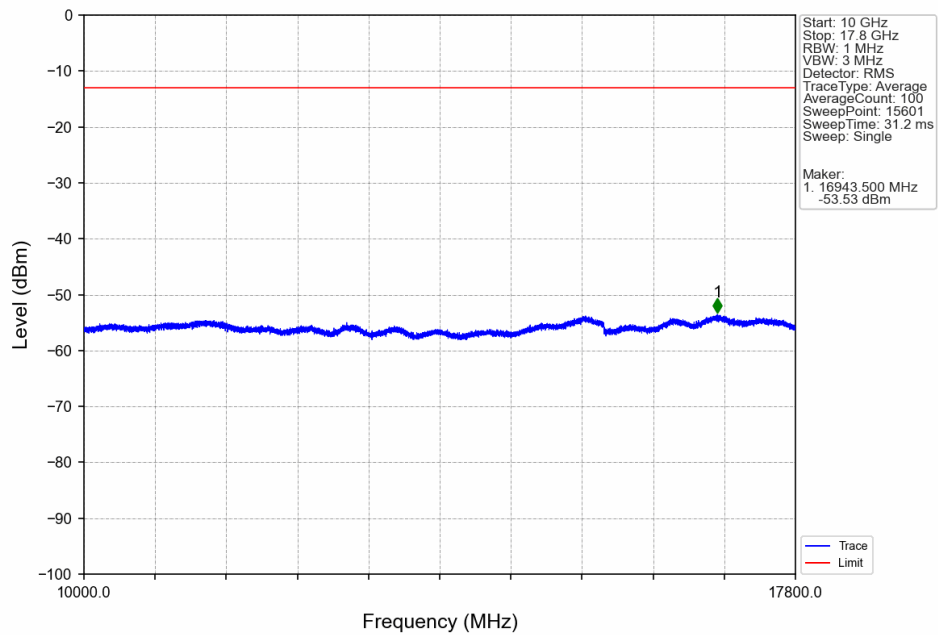
Band66 20MHz QPSK MCH 1745MHz RB 1 0 NTNV



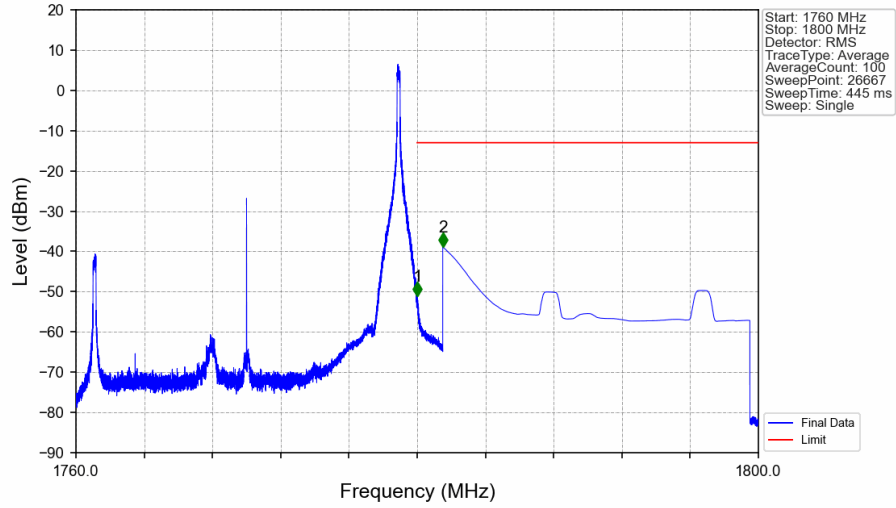
Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTN



Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTN

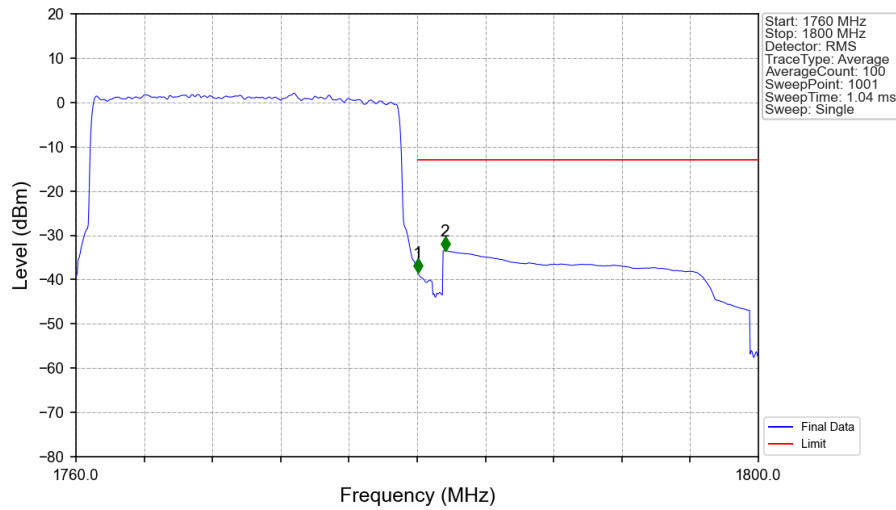


Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.006	-51.09	-13	Pass
1781	1800	1	CHP	2	1781.500	-38.88	-13	Pass

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.196	CHP	/	/	/	/	/
1780	1781	0.196	CHP	1	1780.040	-38.34	-13	Pass
1781	1800	1	CHP	2	1781.640	-33.47	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 66_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3421.875	65.77	-48.38	28.44	-49.44	-13.00	36.44	Horizontal
2	5133.375	56.03	-47.84	31.57	-55.50	-13.00	42.50	Horizontal
3	6844.125	68.27	-46.82	35.25	-38.56	-13.00	25.56	Horizontal
4	8555.625	56.12	-44.11	36.91	-46.34	-13.00	33.34	Horizontal
5	10266.375	45.64	-41.48	38.99	-52.12	-13.00	39.12	Horizontal
6	11914.63	38.62	-39.91	39.41	-57.14	-13.00	44.14	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.25	59.37	-48.38	28.44	-55.84	-13.00	42.84	Vertical
2	5133	54.56	-47.84	31.57	-56.97	-13.00	43.97	Vertical
3	6844.125	68.15	-46.82	35.25	-38.68	-13.00	25.68	Vertical
4	8555.625	62.82	-44.11	36.91	-39.64	-13.00	26.64	Vertical
5	10266.75	47.46	-41.48	38.99	-50.29	-13.00	37.29	Vertical
6	11977.5	40.49	-39.55	39.40	-54.92	-13.00	41.92	Vertical

Test Band = LTE Band 66_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.125	65.69	-48.32	28.48	-49.42	-13.00	36.42	Horizontal
2	5208.375	56.47	-47.88	31.78	-54.89	-13.00	41.89	Horizontal
3	6944.625	69.07	-46.67	35.41	-37.45	-13.00	24.45	Horizontal
4	8680.125	59.89	-44.09	37.05	-42.41	-13.00	29.41	Horizontal
5	10416.75	45.12	-41.14	39.09	-52.19	-13.00	39.19	Horizontal
6	12089.63	37.56	-39.61	39.35	-57.96	-13.00	44.96	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.125	62.39	-48.32	28.48	-52.72	-13.00	39.72	Vertical
2	5208.375	61.80	-47.88	31.78	-49.56	-13.00	36.56	Vertical
3	6944.25	67.47	-46.67	35.41	-39.05	-13.00	26.05	Vertical
4	8680.5	65.21	-44.09	37.05	-37.09	-13.00	24.09	Vertical
5	10416.375	46.20	-41.14	39.09	-51.11	-13.00	38.11	Vertical
6	12152.25	42.07	-39.73	39.31	-53.61	-13.00	40.61	Vertical

Test Band = LTE Band 66_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522	65.90	-48.29	28.54	-49.11	-13.00	36.11	Horizontal
2	5283	52.54	-47.80	31.99	-58.53	-13.00	45.53	Horizontal
3	7044.375	60.40	-46.26	35.58	-45.54	-13.00	32.54	Horizontal
4	8805.75	59.37	-43.99	37.19	-42.70	-13.00	29.70	Horizontal
5	10512.54	38.45	-40.73	39.16	-58.38	-13.00	45.38	Horizontal
6	12262.63	37.88	-39.76	39.24	-57.90	-13.00	44.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522	61.08	-48.29	28.54	-53.93	-13.00	40.93	Vertical
2	5283.375	54.55	-47.80	31.99	-56.51	-13.00	43.51	Vertical
3	7044.375	66.75	-46.26	35.58	-39.19	-13.00	26.19	Vertical
4	8805.375	64.07	-43.99	37.19	-38.00	-13.00	25.00	Vertical
5	10566.375	43.94	-41.05	39.20	-53.17	-13.00	40.17	Vertical
6	12327.75	41.69	-39.68	39.20	-54.05	-13.00	41.05	Vertical