

1.1.1 B4_1.4MHz_EIRP

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / 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	22.55	1.18	23.73	<=30	Pass
			7	22.57	1.18	23.75	<=30	Pass
			14	22.45	1.18	23.63	<=30	Pass
		8	0	21.55	1.18	22.73	<=30	Pass
			4	21.61	1.18	22.79	<=30	Pass
			7	21.58	1.18	22.76	<=30	Pass
		15	0	21.63	1.18	22.81	<=30	Pass
	1732.5	1	0	22.63	1.18	23.81	<=30	Pass
			7	22.58	1.18	23.76	<=30	Pass
			14	22.53	1.18	23.71	<=30	Pass
		8	0	21.63	1.18	22.81	<=30	Pass
			4	21.67	1.18	22.85	<=30	Pass
			7	21.53	1.18	22.71	<=30	Pass
		15	0	21.61	1.18	22.79	<=30	Pass
	1753.5	1	0	22.71	1.18	23.89	<=30	Pass
			7	22.59	1.18	23.77	<=30	Pass
			14	22.61	1.18	23.79	<=30	Pass
		8	0	21.69	1.18	22.87	<=30	Pass
			4	21.59	1.18	22.77	<=30	Pass
			7	21.59	1.18	22.77	<=30	Pass
		15	0	21.59	1.18	22.77	<=30	Pass
16QAM	1711.5	1	0	22.14	1.18	23.32	<=30	Pass
			7	22.21	1.18	23.39	<=30	Pass
			14	22.06	1.18	23.24	<=30	Pass
		8	0	20.72	1.18	21.90	<=30	Pass
			4	20.76	1.18	21.94	<=30	Pass
			7	20.71	1.18	21.89	<=30	Pass
		15	0	20.69	1.18	21.87	<=30	Pass
	1732.5	1	0	21.76	1.18	22.94	<=30	Pass
			7	21.84	1.18	23.02	<=30	Pass
			14	21.68	1.18	22.86	<=30	Pass
		8	0	20.60	1.18	21.78	<=30	Pass
			4	20.63	1.18	21.81	<=30	Pass
			7	20.51	1.18	21.69	<=30	Pass
		15	0	20.57	1.18	21.75	<=30	Pass
	1753.5	1	0	21.78	1.18	22.96	<=30	Pass
			7	21.66	1.18	22.84	<=30	Pass
			14	21.60	1.18	22.78	<=30	Pass
		8	0	20.76	1.18	21.94	<=30	Pass
			4	20.69	1.18	21.87	<=30	Pass
			7	20.69	1.18	21.87	<=30	Pass
		15	0	20.66	1.18	21.84	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / 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	22.68	1.18	23.86	<=30	Pass		
			13	22.62	1.18	23.80	<=30	Pass		
			24	22.53	1.18	23.71	<=30	Pass		
		12	0	21.65	1.18	22.83	<=30	Pass		
			6	21.63	1.18	22.81	<=30	Pass		
			13	21.56	1.18	22.74	<=30	Pass		
		25	0	21.55	1.18	22.73	<=30	Pass		
		1732.5	1	0	22.74	1.18	23.92	<=30	Pass	
				13	22.63	1.18	23.81	<=30	Pass	
	24			22.54	1.18	23.72	<=30	Pass		
	12		0	21.68	1.18	22.86	<=30	Pass		
			6	21.69	1.18	22.87	<=30	Pass		
			13	21.58	1.18	22.76	<=30	Pass		
	25	0	21.69	1.18	22.87	<=30	Pass			
	1752.5	1	0	22.74	1.18	23.92	<=30	Pass		
			13	22.73	1.18	23.91	<=30	Pass		
			24	22.60	1.18	23.78	<=30	Pass		
		12	0	21.69	1.18	22.87	<=30	Pass		
			6	21.66	1.18	22.84	<=30	Pass		
			13	21.59	1.18	22.77	<=30	Pass		
		25	0	21.62	1.18	22.80	<=30	Pass		
		16QAM	1712.5	1	0	21.53	1.18	22.71	<=30	Pass
					13	21.47	1.18	22.65	<=30	Pass
	24				21.43	1.18	22.61	<=30	Pass	
12	0			20.67	1.18	21.85	<=30	Pass		
	6			20.62	1.18	21.80	<=30	Pass		
	13			20.61	1.18	21.79	<=30	Pass		
25	0			20.59	1.18	21.77	<=30	Pass		
1732.5	1			0	21.99	1.18	23.17	<=30	Pass	
				13	21.93	1.18	23.11	<=30	Pass	
			24	21.84	1.18	23.02	<=30	Pass		
	12		0	20.71	1.18	21.89	<=30	Pass		
			6	20.70	1.18	21.88	<=30	Pass		
			13	20.63	1.18	21.81	<=30	Pass		
25	0		20.68	1.18	21.86	<=30	Pass			
1752.5	1		0	21.80	1.18	22.98	<=30	Pass		
			13	21.76	1.18	22.94	<=30	Pass		
			24	21.67	1.18	22.85	<=30	Pass		
	12		0	20.71	1.18	21.89	<=30	Pass		
			6	20.65	1.18	21.83	<=30	Pass		
			13	20.58	1.18	21.76	<=30	Pass		
	25		0	20.69	1.18	21.87	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	22.68	1.18	23.86	<=30	Pass		
			25	22.50	1.18	23.68	<=30	Pass		
			49	22.74	1.18	23.92	<=30	Pass		
		25	0	21.55	1.18	22.73	<=30	Pass		
			13	21.59	1.18	22.77	<=30	Pass		
			25	21.60	1.18	22.78	<=30	Pass		
		50	0	21.62	1.18	22.80	<=30	Pass		
		1732.5	1	0	22.80	1.18	23.98	<=30	Pass	
				25	22.55	1.18	23.73	<=30	Pass	
	49			22.72	1.18	23.90	<=30	Pass		
	25		0	21.67	1.18	22.85	<=30	Pass		
			13	21.69	1.18	22.87	<=30	Pass		
			25	21.68	1.18	22.86	<=30	Pass		
	50	0	21.70	1.18	22.88	<=30	Pass			
	1750	1	0	22.87	1.18	24.05	<=30	Pass		
			25	22.59	1.18	23.77	<=30	Pass		
			49	22.81	1.18	23.99	<=30	Pass		
		25	0	21.61	1.18	22.79	<=30	Pass		
			13	21.61	1.18	22.79	<=30	Pass		
			25	21.67	1.18	22.85	<=30	Pass		
		50	0	21.60	1.18	22.78	<=30	Pass		
		16QAM	1715	1	0	22.36	1.18	23.54	<=30	Pass
					25	22.14	1.18	23.32	<=30	Pass
	49				22.37	1.18	23.55	<=30	Pass	
25	0			20.66	1.18	21.84	<=30	Pass		
	13			20.64	1.18	21.82	<=30	Pass		
	25			20.70	1.18	21.88	<=30	Pass		
50	0			20.62	1.18	21.80	<=30	Pass		
1732.5	1			0	21.97	1.18	23.15	<=30	Pass	
				25	21.78	1.18	22.96	<=30	Pass	
			49	21.93	1.18	23.11	<=30	Pass		
	25		0	20.68	1.18	21.86	<=30	Pass		
			13	20.72	1.18	21.90	<=30	Pass		
			25	20.67	1.18	21.85	<=30	Pass		
50	0		20.71	1.18	21.89	<=30	Pass			
1750	1		0	21.87	1.18	23.05	<=30	Pass		
			25	21.51	1.18	22.69	<=30	Pass		
			49	21.80	1.18	22.98	<=30	Pass		
	25		0	20.71	1.18	21.89	<=30	Pass		
			13	20.70	1.18	21.88	<=30	Pass		
			25	20.78	1.18	21.96	<=30	Pass		
	50		0	20.58	1.18	21.76	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	22.81	1.18	23.99	<=30	Pass		
			38	22.69	1.18	23.87	<=30	Pass		
			74	22.93	1.18	24.11	<=30	Pass		
		36	0	21.67	1.18	22.85	<=30	Pass		
			18	21.61	1.18	22.79	<=30	Pass		
			39	21.67	1.18	22.85	<=30	Pass		
		75	0	21.72	1.18	22.90	<=30	Pass		
		1732.5	1	0	22.98	1.18	24.16	<=30	Pass	
				38	22.74	1.18	23.92	<=30	Pass	
	74			22.95	1.18	24.13	<=30	Pass		
	36		0	21.77	1.18	22.95	<=30	Pass		
			18	21.79	1.18	22.97	<=30	Pass		
			39	21.85	1.18	23.03	<=30	Pass		
	75	0	21.85	1.18	23.03	<=30	Pass			
	1747.5	1	0	22.91	1.18	24.09	<=30	Pass		
			38	22.63	1.18	23.81	<=30	Pass		
			74	22.83	1.18	24.01	<=30	Pass		
		36	0	21.66	1.18	22.84	<=30	Pass		
			18	21.68	1.18	22.86	<=30	Pass		
			39	21.75	1.18	22.93	<=30	Pass		
		75	0	21.66	1.18	22.84	<=30	Pass		
		16QAM	1717.5	1	0	22.38	1.18	23.56	<=30	Pass
					38	22.30	1.18	23.48	<=30	Pass
	74				22.52	1.18	23.70	<=30	Pass	
36	0			20.67	1.18	21.85	<=30	Pass		
	18			20.65	1.18	21.83	<=30	Pass		
	39			20.69	1.18	21.87	<=30	Pass		
75	0			20.73	1.18	21.91	<=30	Pass		
1732.5	1			0	22.17	1.18	23.35	<=30	Pass	
				38	21.88	1.18	23.06	<=30	Pass	
			74	22.19	1.18	23.37	<=30	Pass		
	36		0	20.78	1.18	21.96	<=30	Pass		
			18	20.82	1.18	22.00	<=30	Pass		
			39	20.87	1.18	22.05	<=30	Pass		
75	0		20.82	1.18	22.00	<=30	Pass			
1747.5	1		0	22.20	1.18	23.38	<=30	Pass		
			38	22.02	1.18	23.20	<=30	Pass		
			74	22.21	1.18	23.39	<=30	Pass		
	36		0	20.65	1.18	21.83	<=30	Pass		
			18	20.68	1.18	21.86	<=30	Pass		
			39	20.73	1.18	21.91	<=30	Pass		
	75		0	20.67	1.18	21.85	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	22.68	1.18	23.86	<=30	Pass		
			50	22.69	1.18	23.87	<=30	Pass		
			99	22.73	1.18	23.91	<=30	Pass		
		50	0	21.67	1.18	22.85	<=30	Pass		
			25	21.68	1.18	22.86	<=30	Pass		
			50	21.71	1.18	22.89	<=30	Pass		
		100	0	21.76	1.18	22.94	<=30	Pass		
		1732.5	1	0	22.76	1.18	23.94	<=30	Pass	
				50	22.80	1.18	23.98	<=30	Pass	
	99			22.80	1.18	23.98	<=30	Pass		
	50		0	21.87	1.18	23.05	<=30	Pass		
			25	21.86	1.18	23.04	<=30	Pass		
			50	21.82	1.18	23.00	<=30	Pass		
	100	0	21.87	1.18	23.05	<=30	Pass			
	1745	1	0	22.68	1.18	23.86	<=30	Pass		
			50	22.59	1.18	23.77	<=30	Pass		
			99	22.70	1.18	23.88	<=30	Pass		
		50	0	21.84	1.18	23.02	<=30	Pass		
			25	21.72	1.18	22.90	<=30	Pass		
			50	21.79	1.18	22.97	<=30	Pass		
		100	0	21.78	1.18	22.96	<=30	Pass		
		16QAM	1720	1	0	21.96	1.18	23.14	<=30	Pass
					50	21.94	1.18	23.12	<=30	Pass
	99				22.07	1.18	23.25	<=30	Pass	
	50			0	20.75	1.18	21.93	<=30	Pass	
				25	20.75	1.18	21.93	<=30	Pass	
				50	20.78	1.18	21.96	<=30	Pass	
100	0			20.74	1.18	21.92	<=30	Pass		
1732.5	1			0	22.03	1.18	23.21	<=30	Pass	
				50	22.13	1.18	23.31	<=30	Pass	
			99	22.12	1.18	23.30	<=30	Pass		
	50		0	20.85	1.18	22.03	<=30	Pass		
			25	20.82	1.18	22.00	<=30	Pass		
			50	20.80	1.18	21.98	<=30	Pass		
100	0		20.89	1.18	22.07	<=30	Pass			
1745	1		0	22.29	1.18	23.47	<=30	Pass		
			50	22.14	1.18	23.32	<=30	Pass		
			99	22.32	1.18	23.50	<=30	Pass		
	50		0	20.82	1.18	22.00	<=30	Pass		
			25	20.75	1.18	21.93	<=30	Pass		
			50	20.79	1.18	21.97	<=30	Pass		
	100		0	20.78	1.18	21.96	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	50	0	20	3.27	4.329	0.0025	-2.5 to 2.5	Pass
					3.85	4.479	0.0026	-2.5 to 2.5	Pass
					4.43	3.269	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.357	0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.698	0.0021	-2.5 to 2.5	Pass
				-10	3.85	2.693	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.906	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.870	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.105	0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

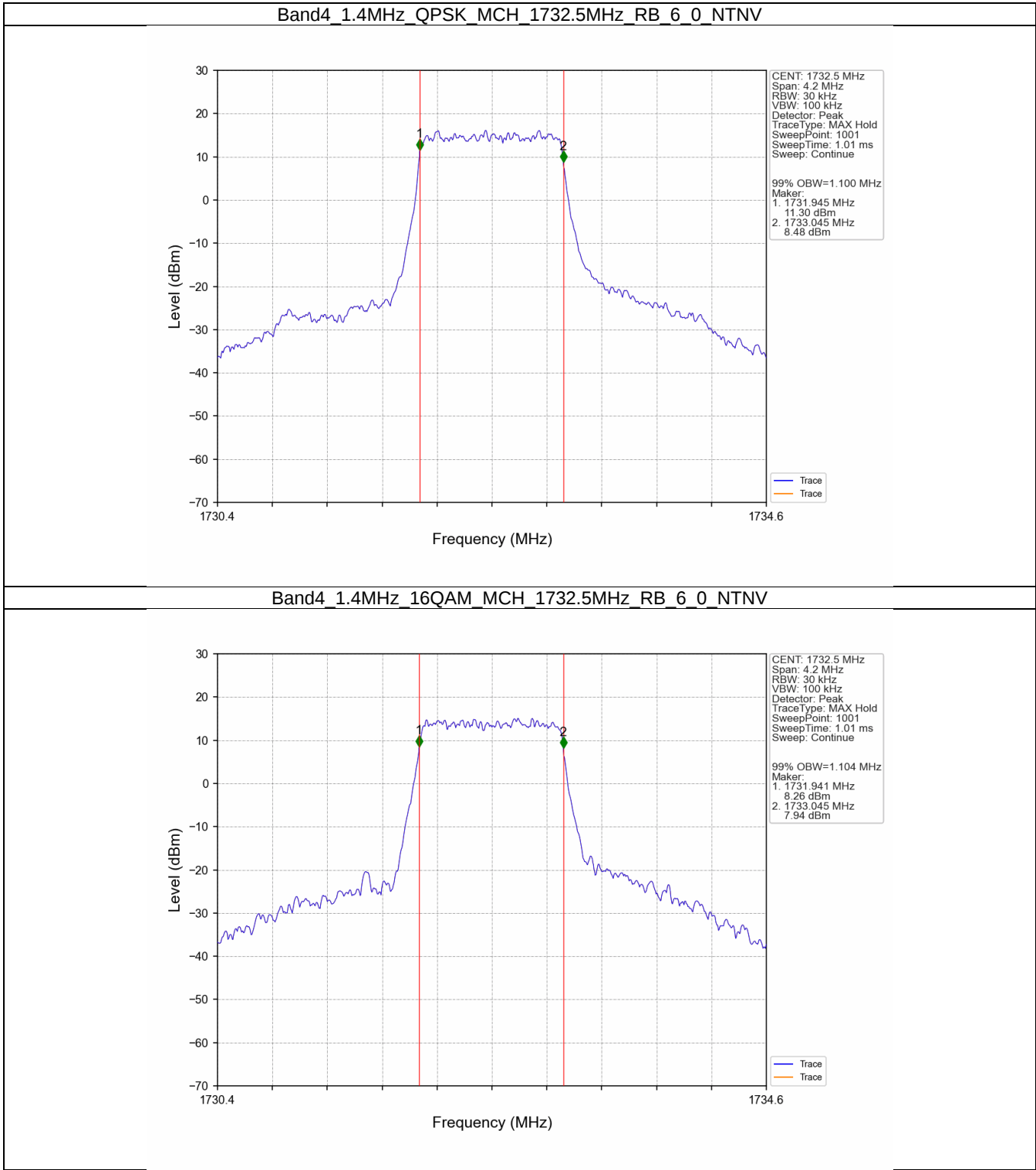
Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.100	/	Pass
	16QAM	1732.5	6	0	1.104	/	Pass
3	QPSK	1732.5	15	0	2.748	/	Pass
	16QAM	1732.5	15	0	2.764	/	Pass
5	QPSK	1732.5	25	0	4.524	/	Pass
	16QAM	1732.5	25	0	4.509	/	Pass
10	QPSK	1732.5	50	0	9.008	/	Pass
	16QAM	1732.5	50	0	9.023	/	Pass
15	QPSK	1732.5	75	0	13.487	/	Pass
	16QAM	1732.5	75	0	13.519	/	Pass
20	QPSK	1732.5	100	0	18.057	/	Pass
	16QAM	1732.5	100	0	18.113	/	Pass

3.1.2 Band4_XDB

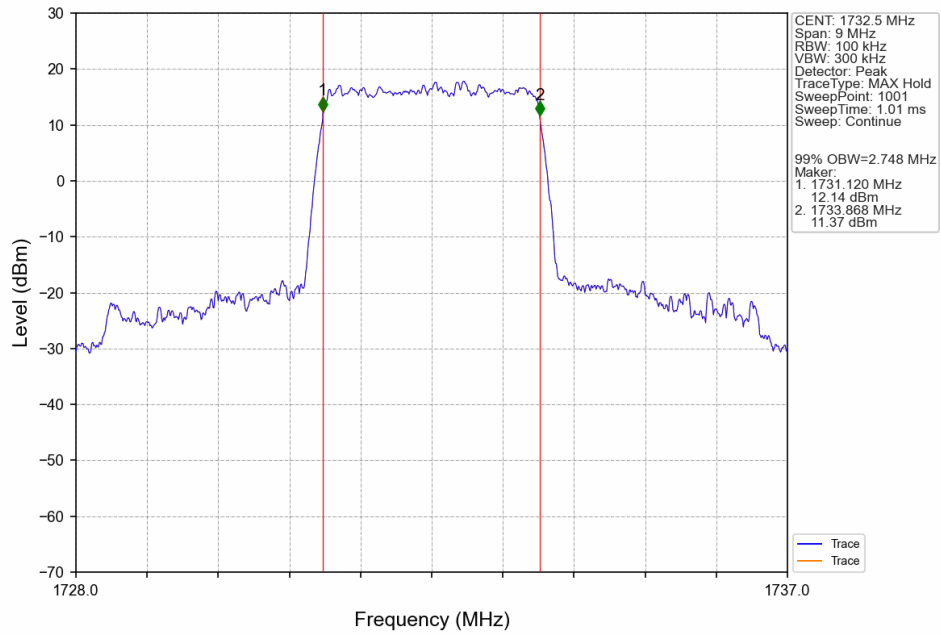
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.298	/	Pass
	16QAM	1732.5	6	0	1.323	/	Pass
3	QPSK	1732.5	15	0	3.067	/	Pass
	16QAM	1732.5	15	0	3.071	/	Pass
5	QPSK	1732.5	25	0	5.048	/	Pass
	16QAM	1732.5	25	0	4.996	/	Pass
10	QPSK	1732.5	50	0	9.902	/	Pass
	16QAM	1732.5	50	0	9.772	/	Pass
15	QPSK	1732.5	75	0	14.796	/	Pass
	16QAM	1732.5	75	0	14.616	/	Pass
20	QPSK	1732.5	100	0	19.641	/	Pass
	16QAM	1732.5	100	0	19.390	/	Pass

3.2 Test Graph

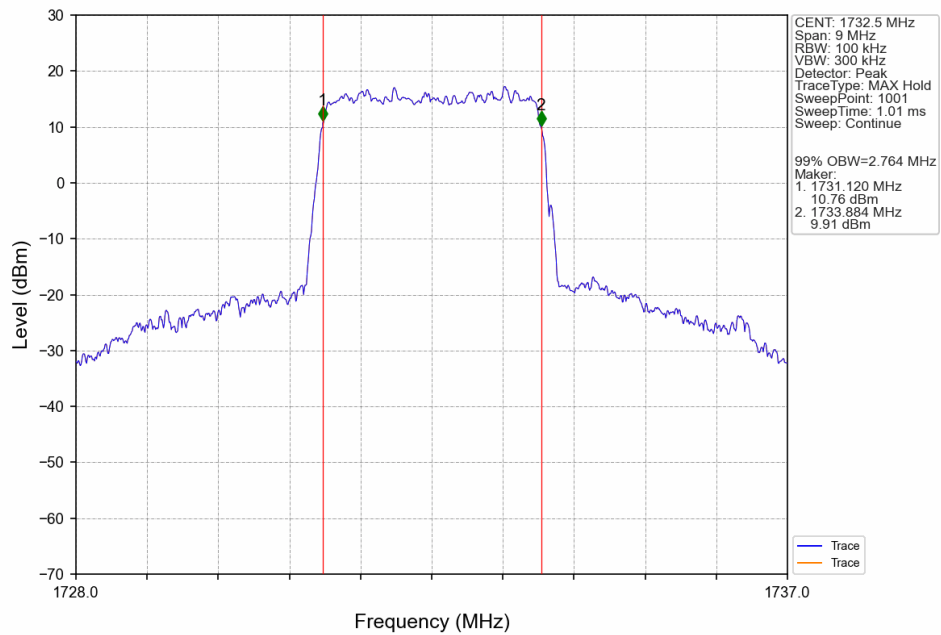
3.2.1 Band4_OBW



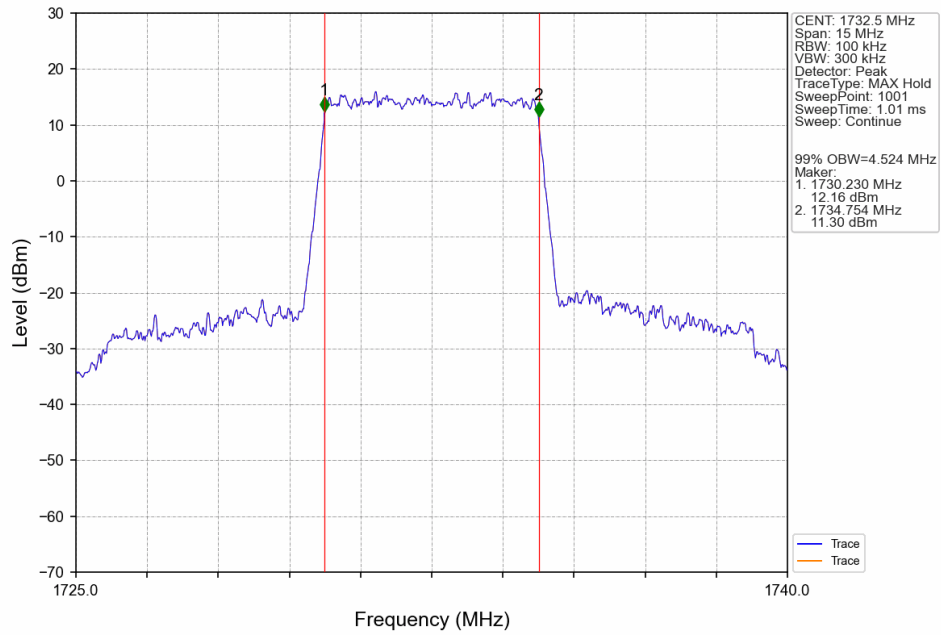
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



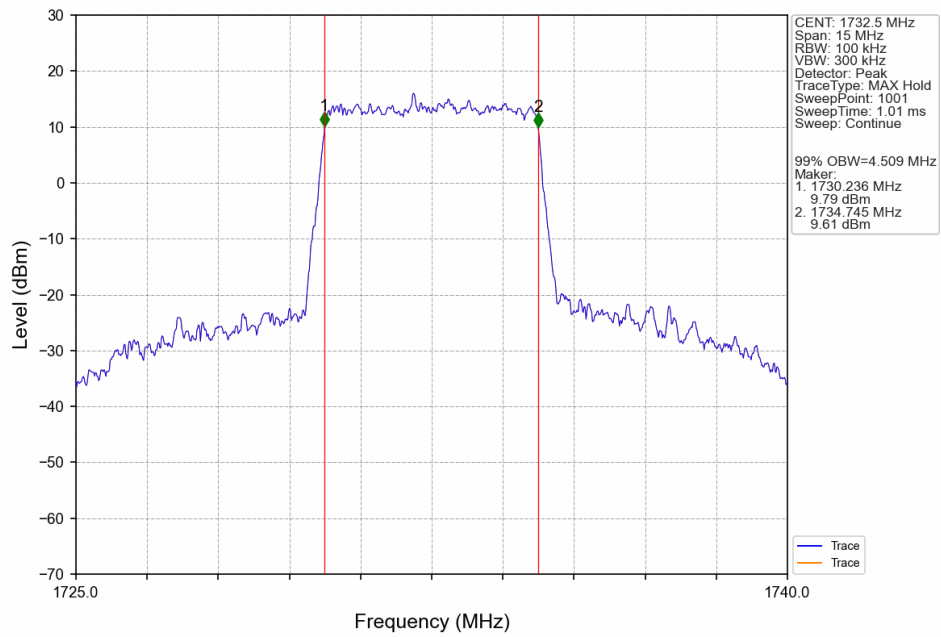
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



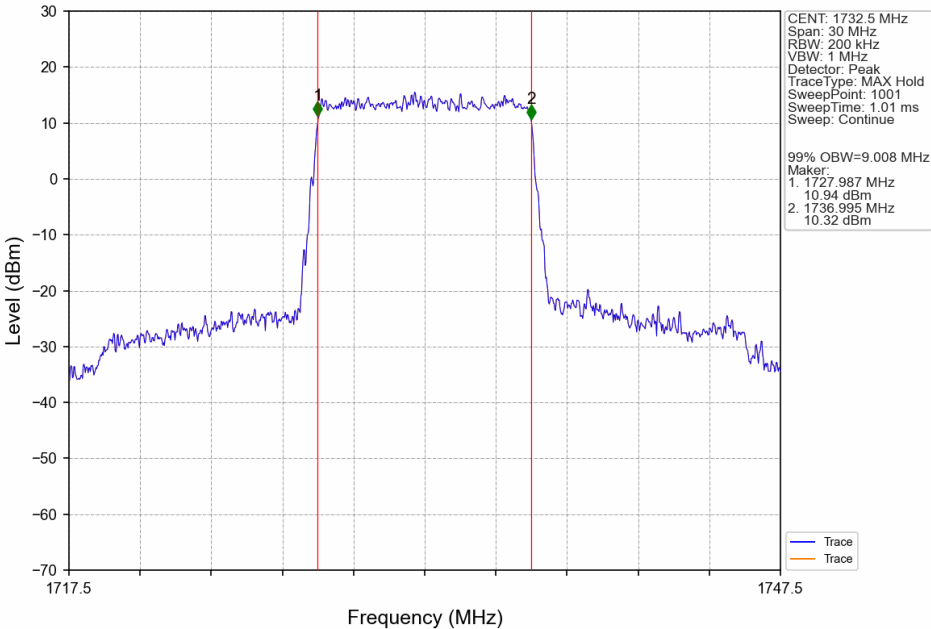
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



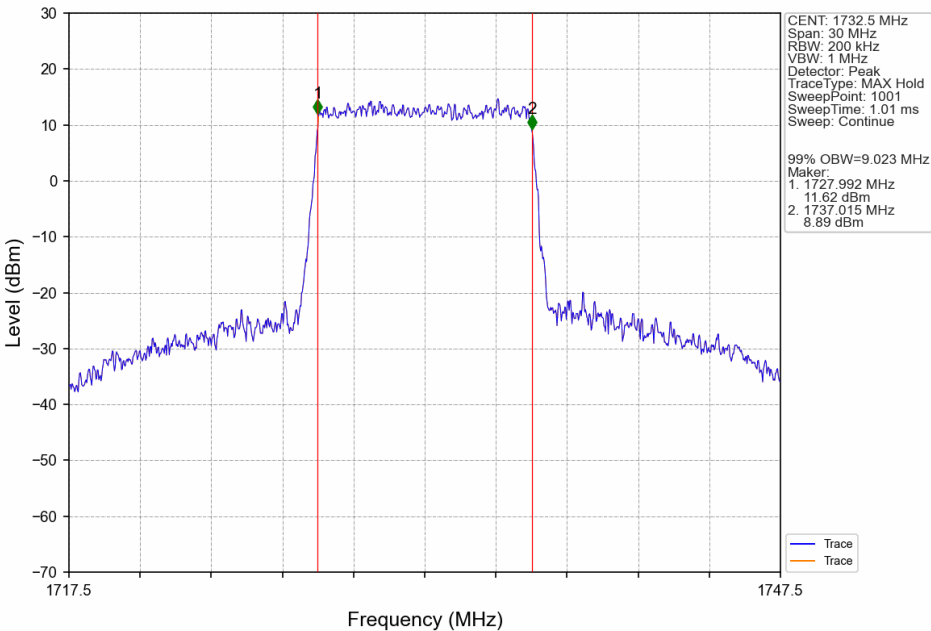
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



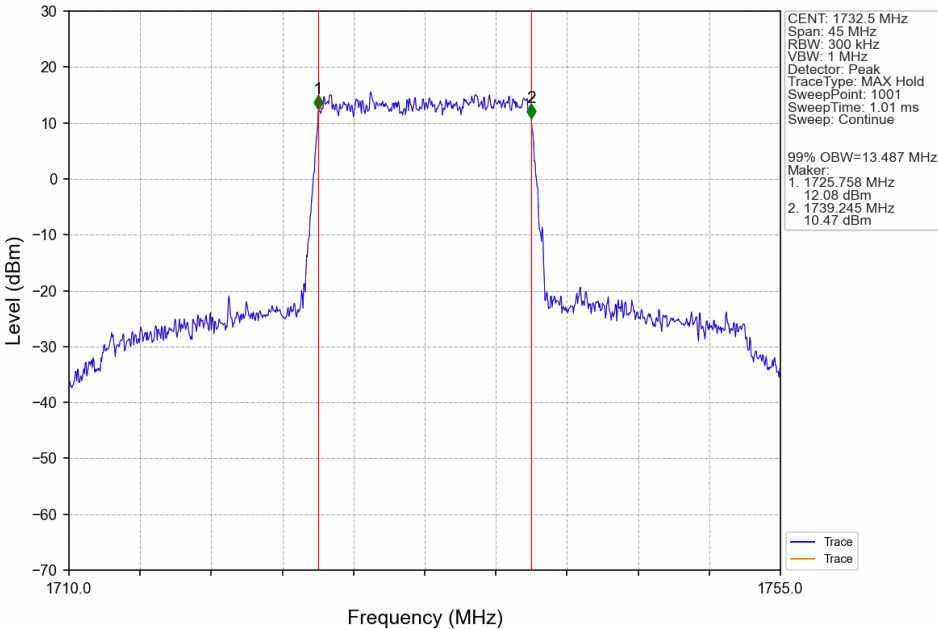
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



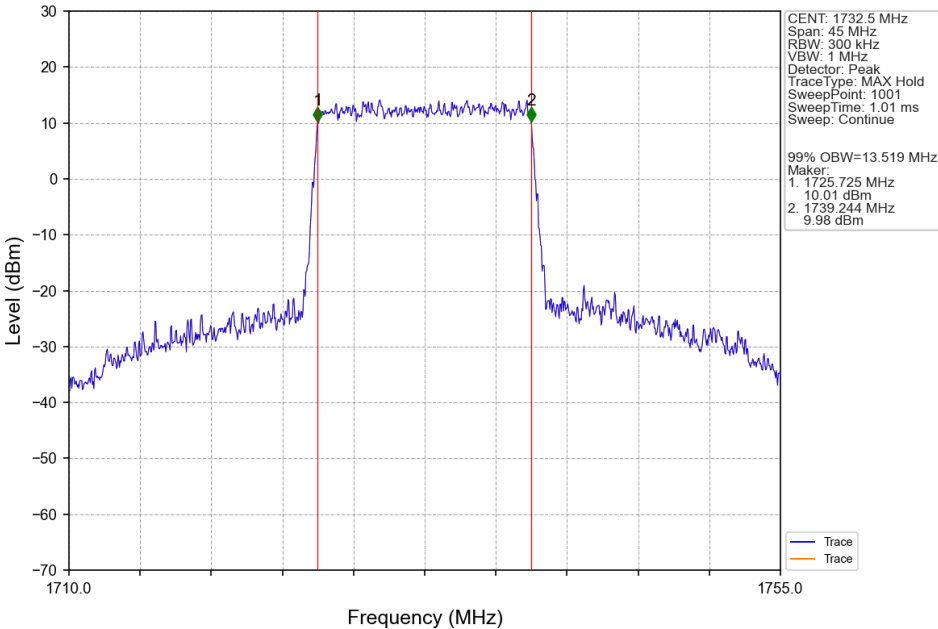
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



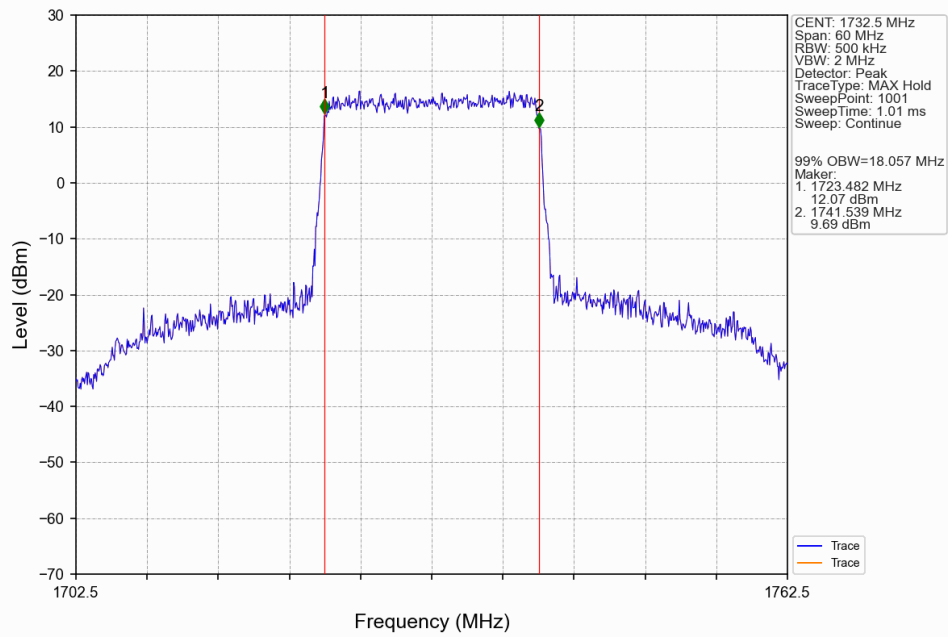
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



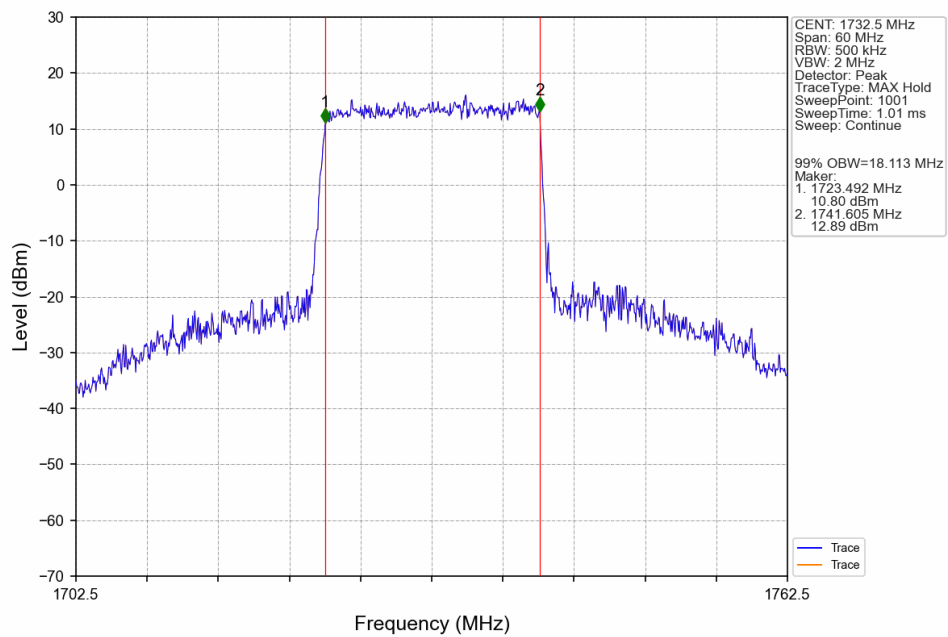
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



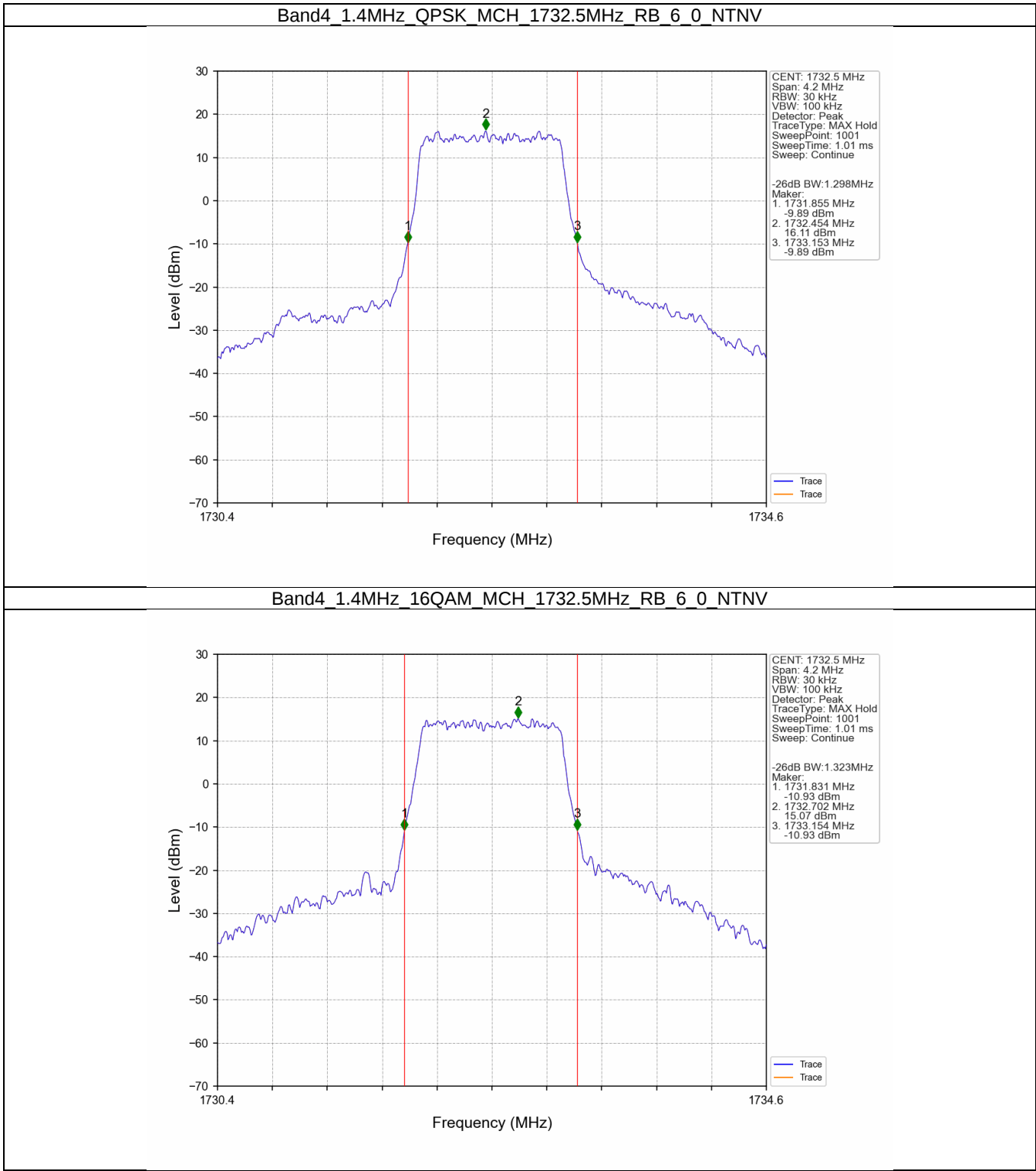
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



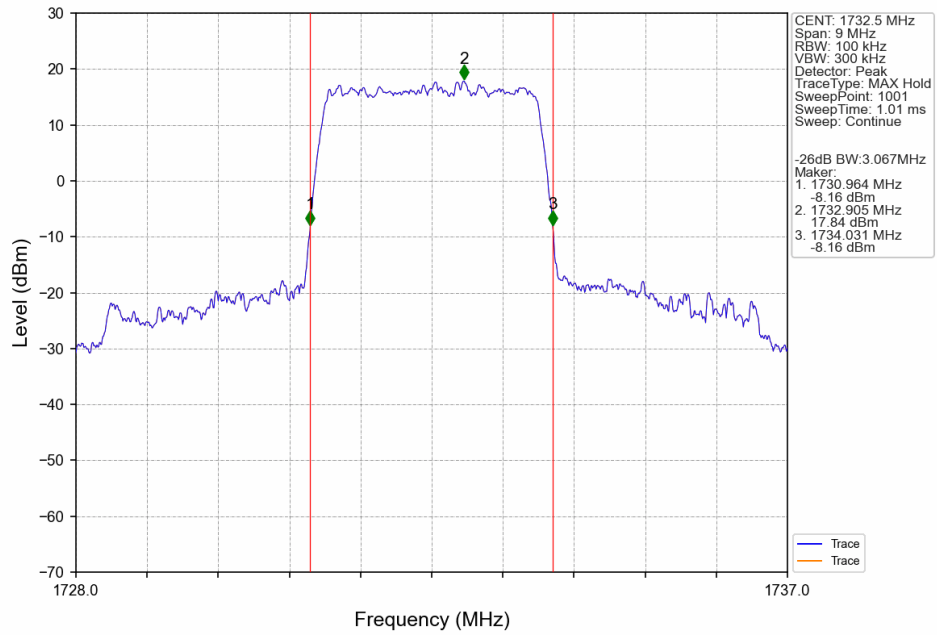
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



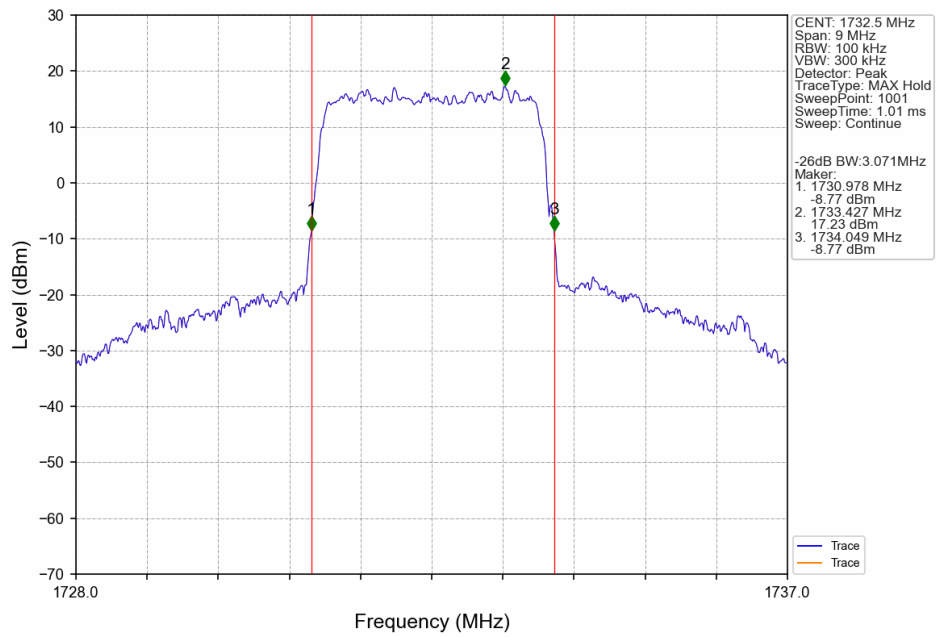
3.2.2 Band4_XDB



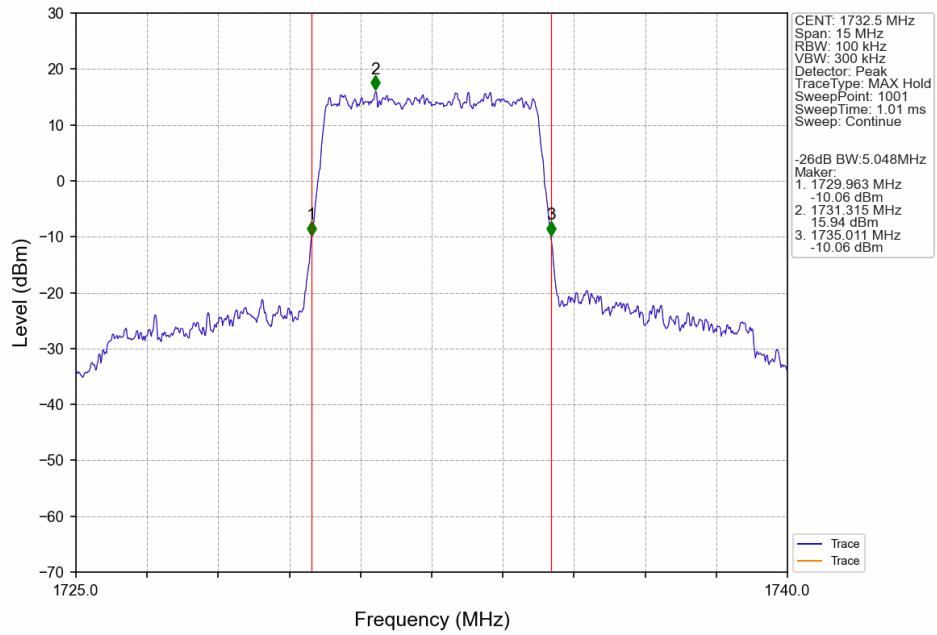
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



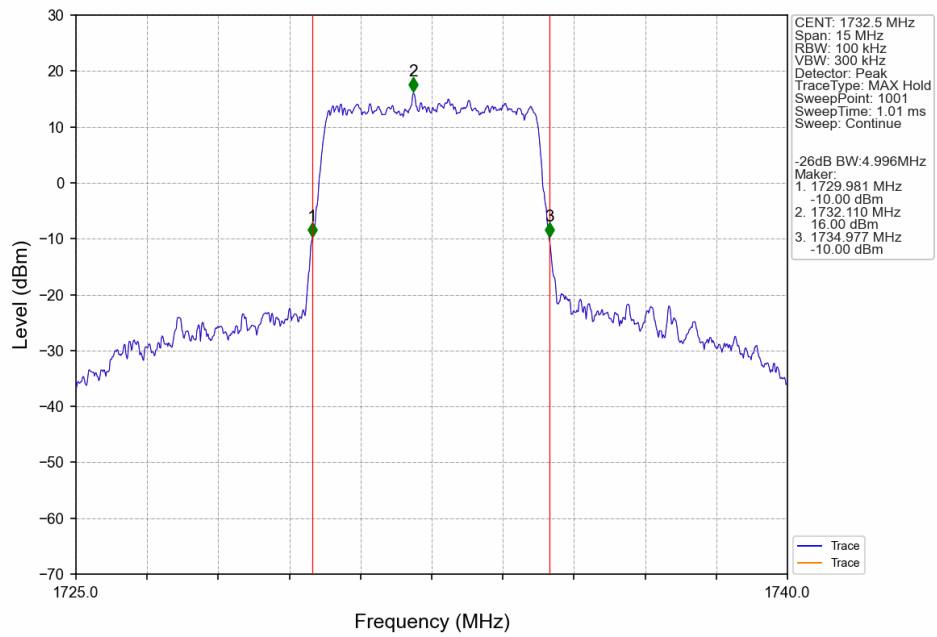
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



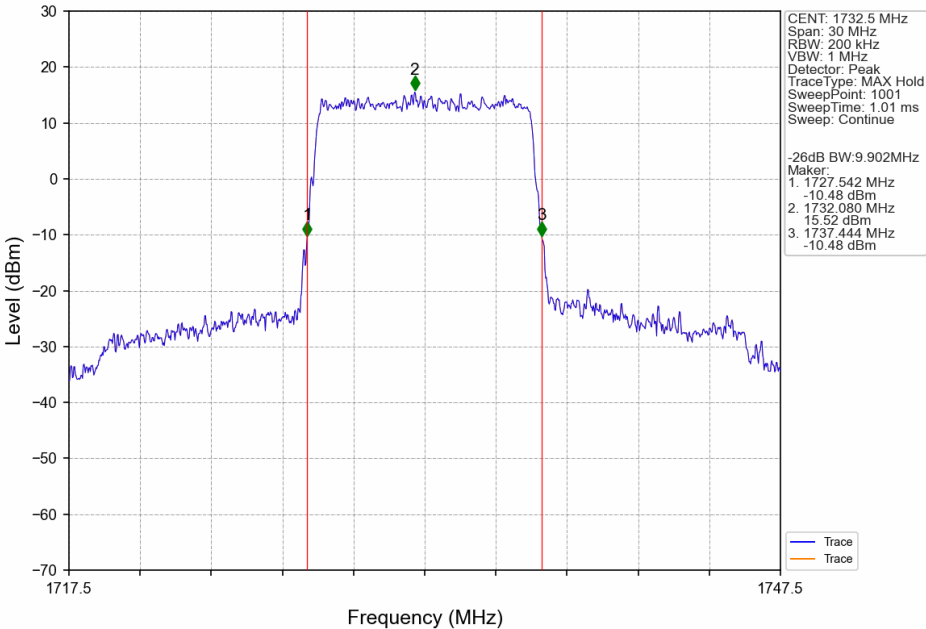
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



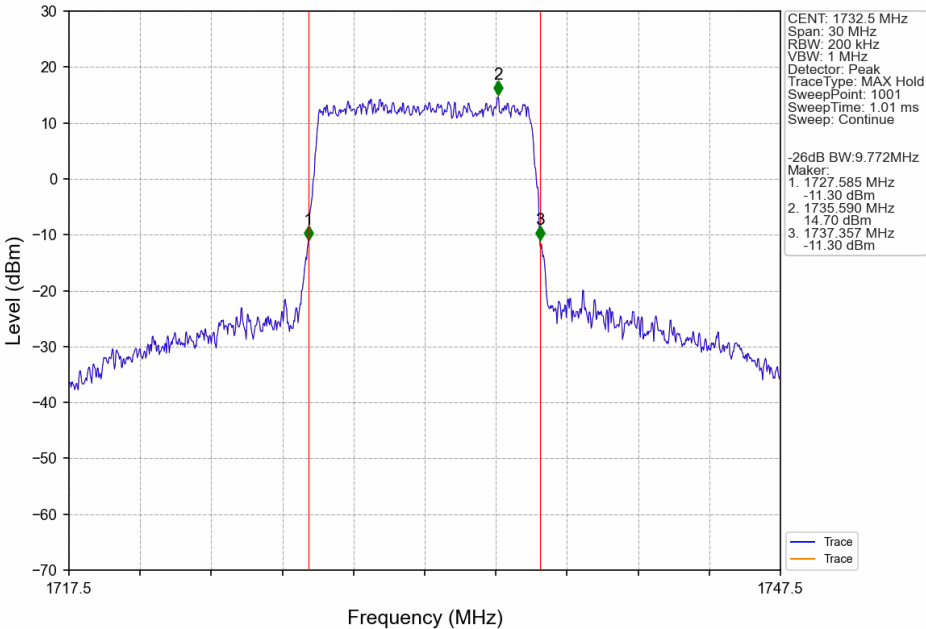
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



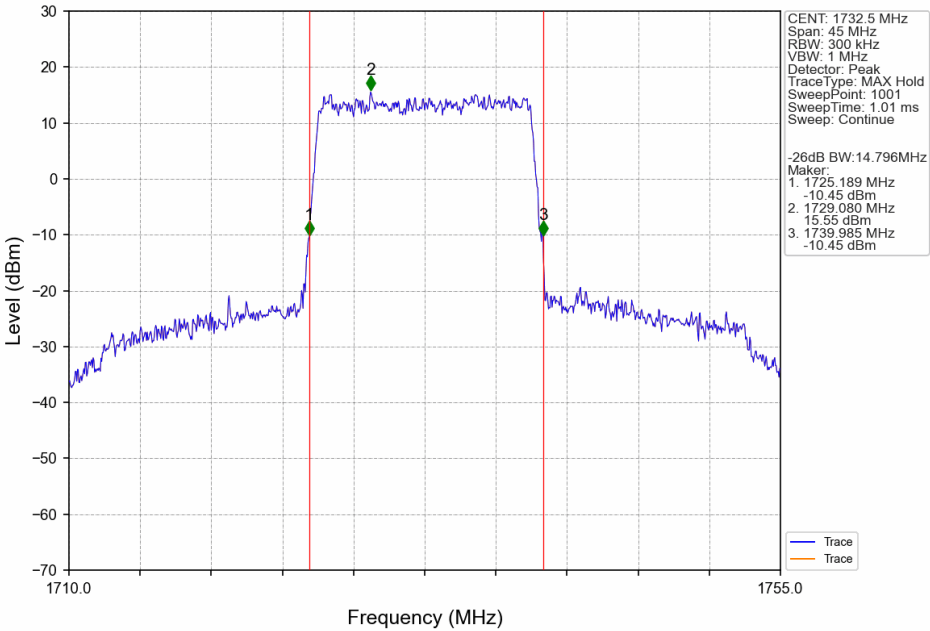
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



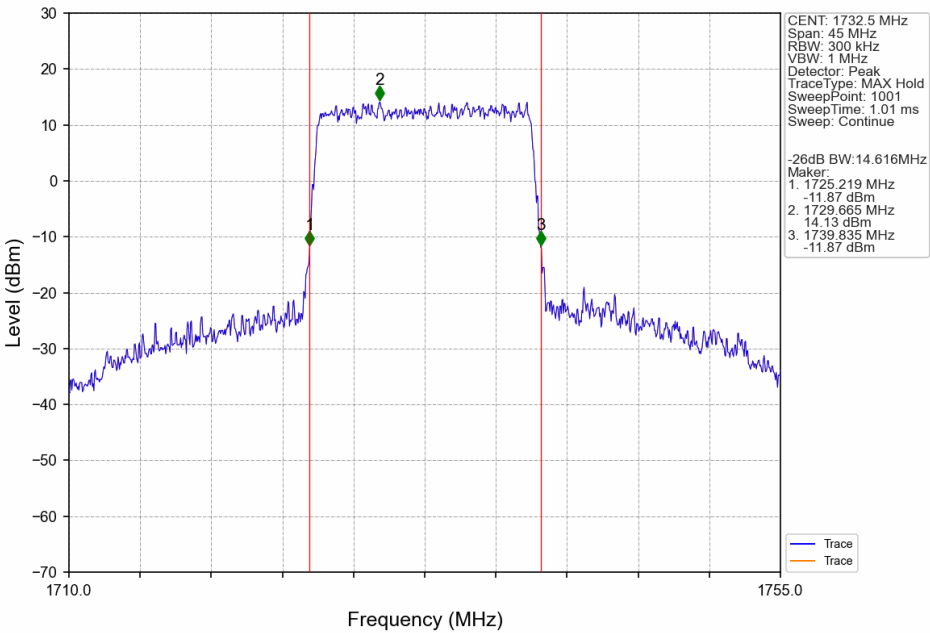
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



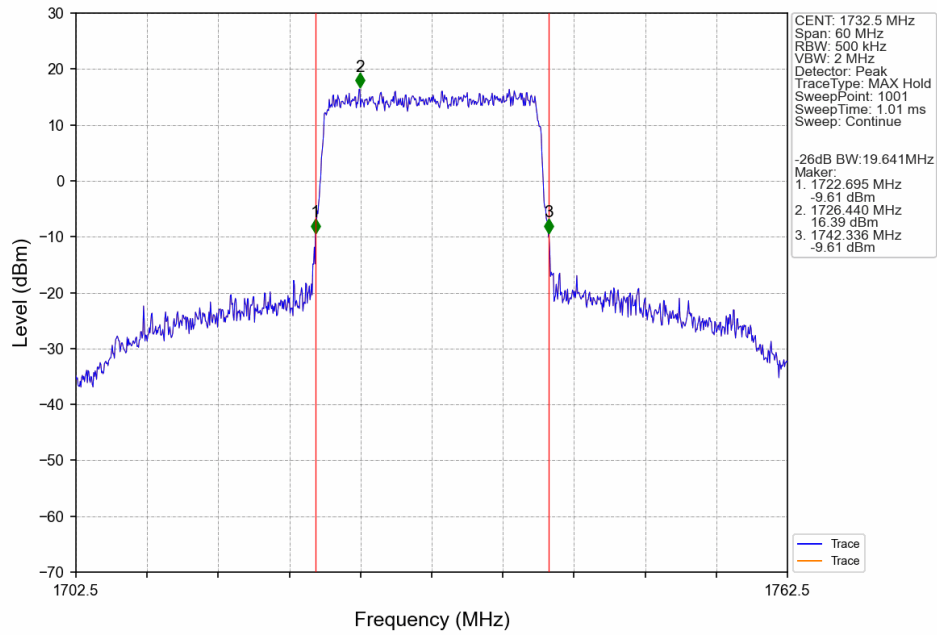
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



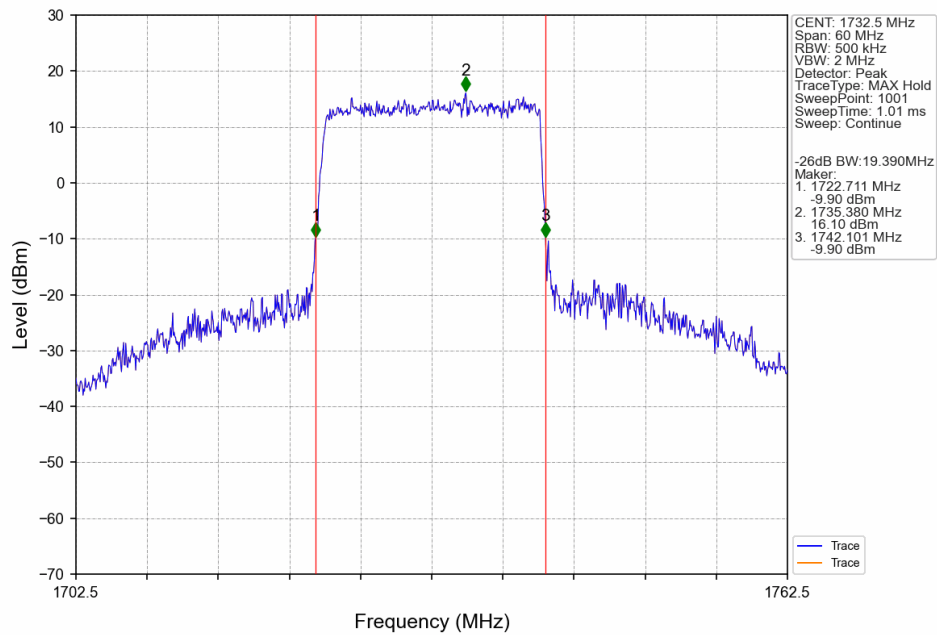
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. Peak-Average Ratio

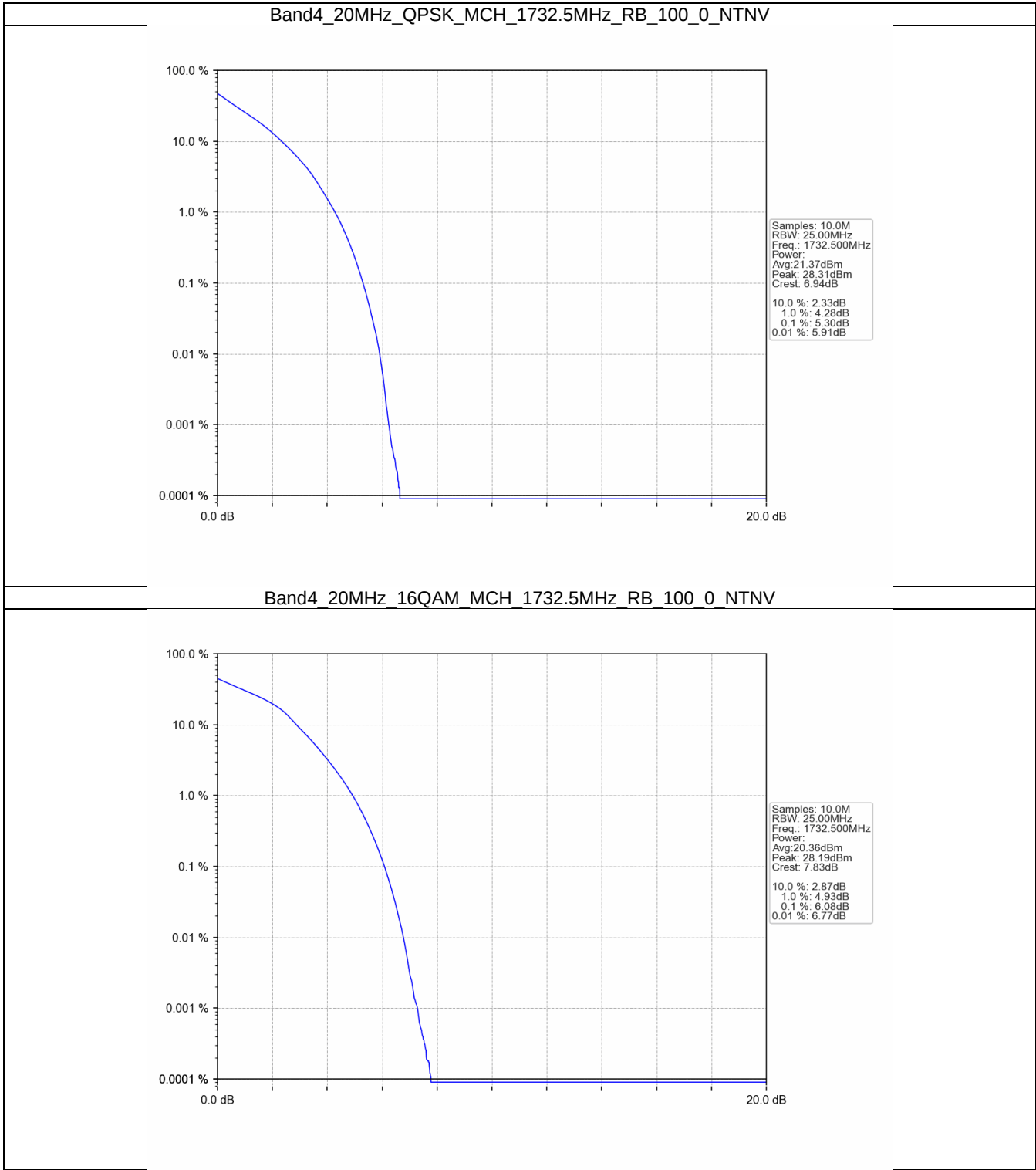
4.1 Test Result

4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.30	<=13	Pass
16QAM	1732.5	100	0	6.08	<=13	Pass

4.2 Test Graph

4.2.1 B4_20MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTVN						
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
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
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
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
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
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTVN						
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
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

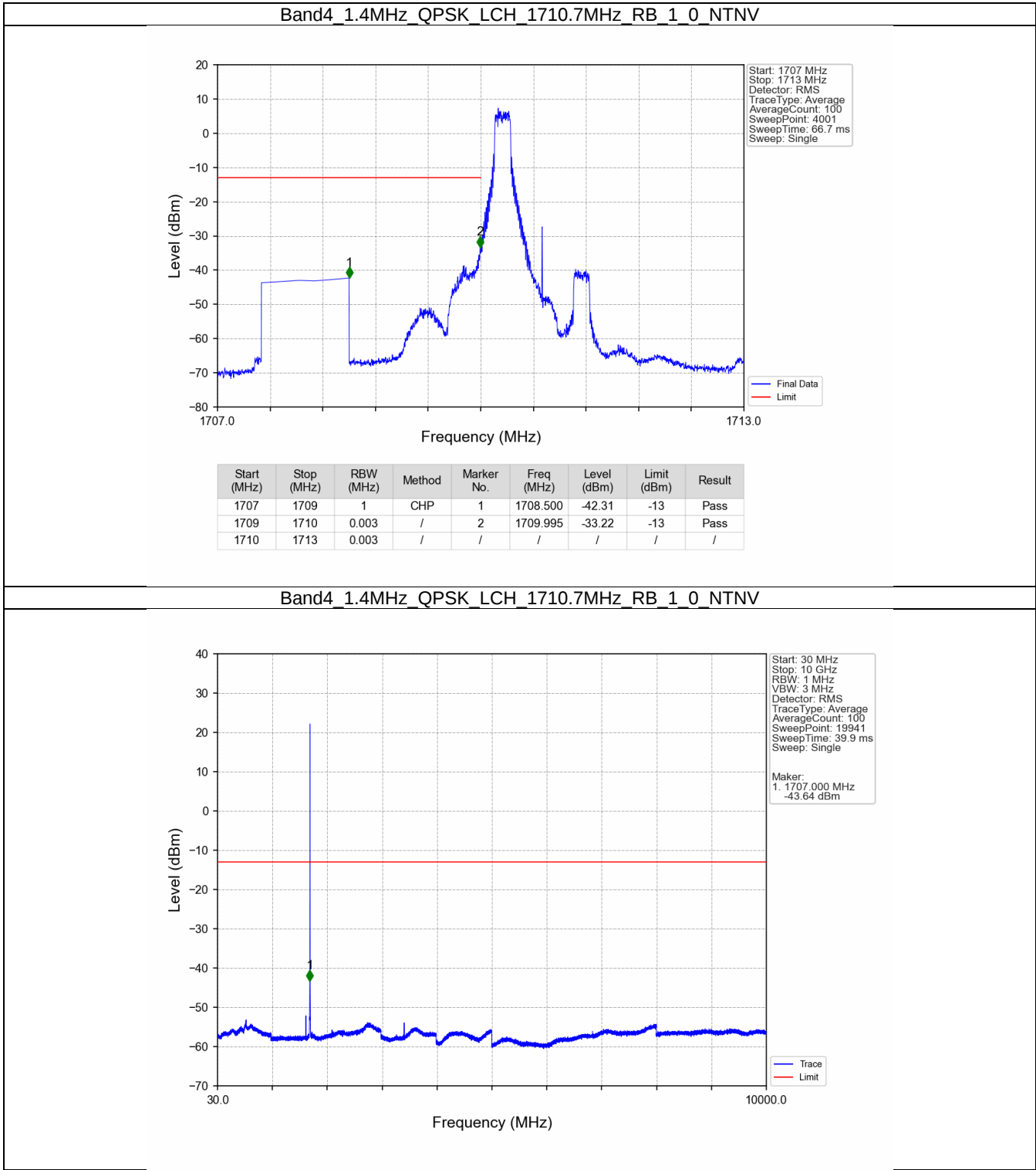
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B4_20MHz

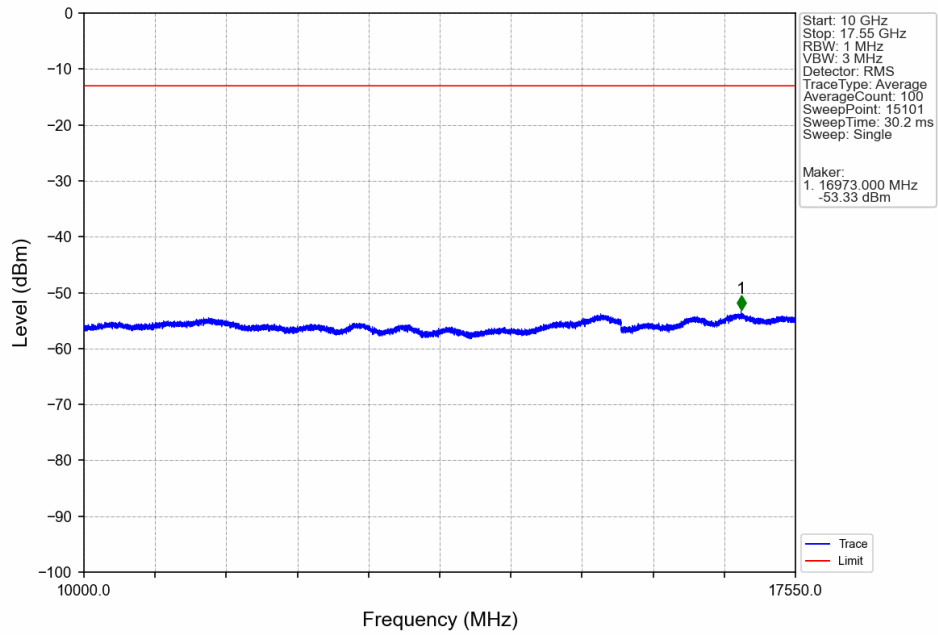
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

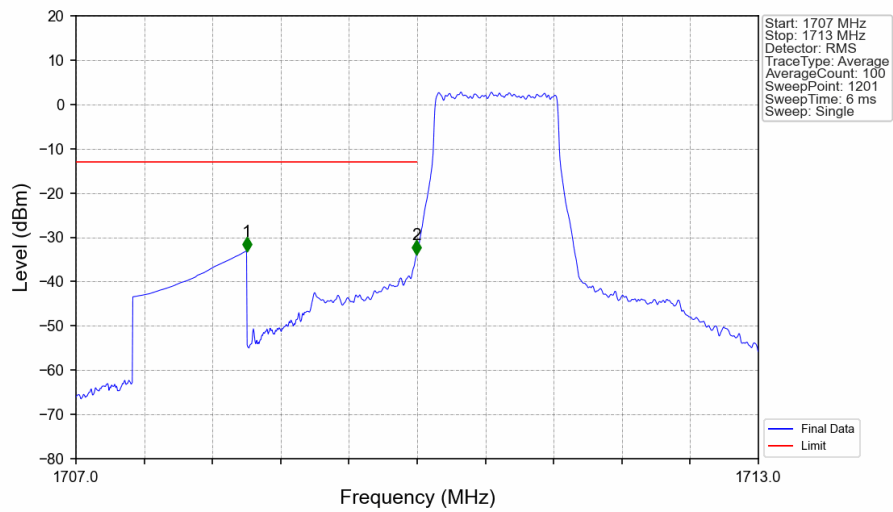
5.2.1 B4_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV

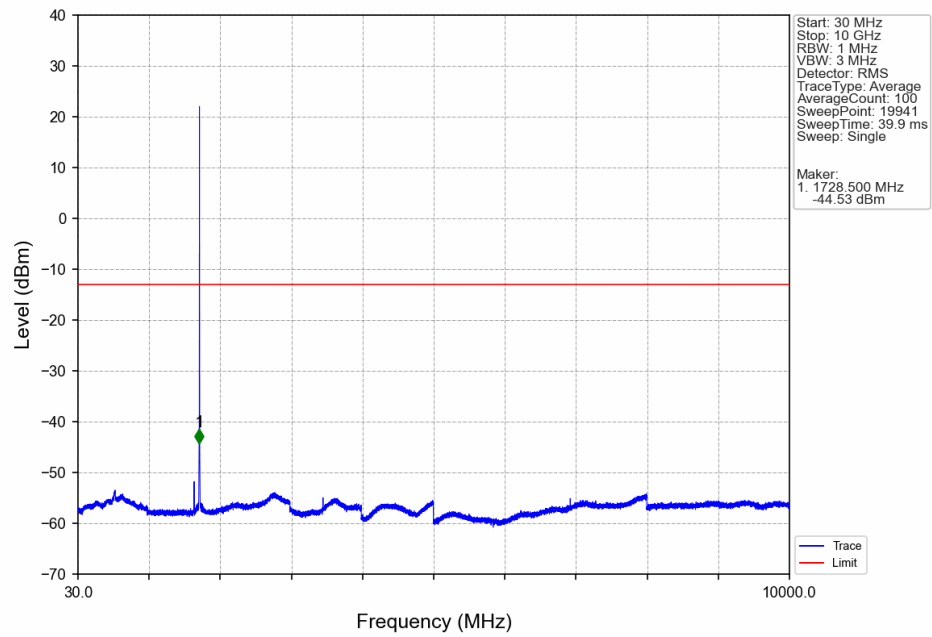


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTNV

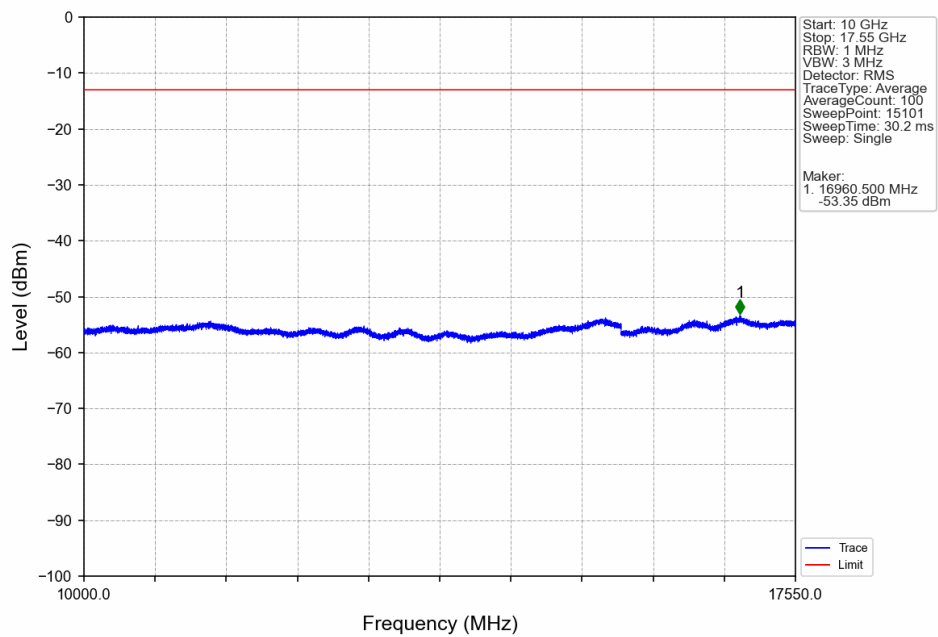


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.09	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-33.80	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

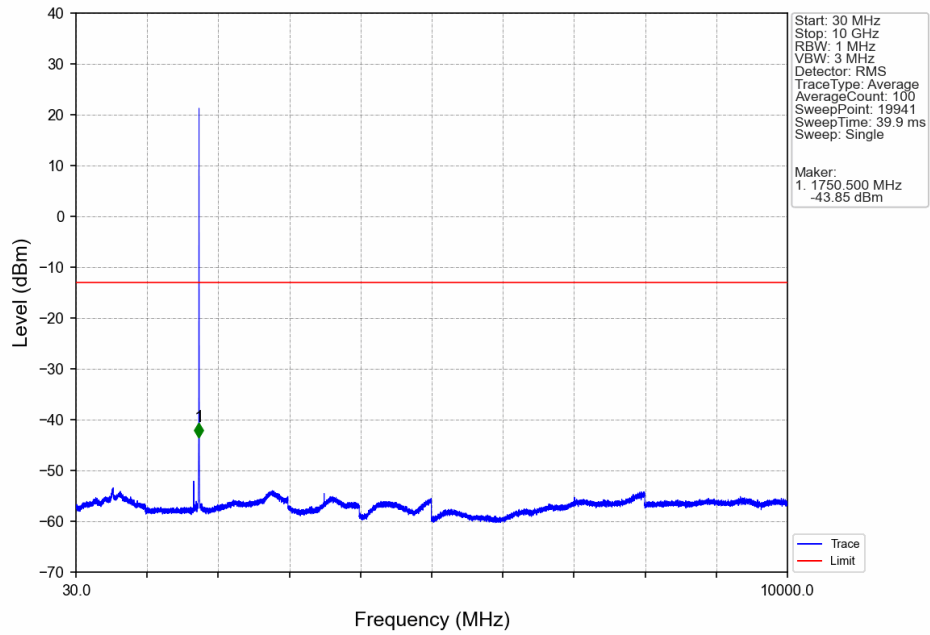
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



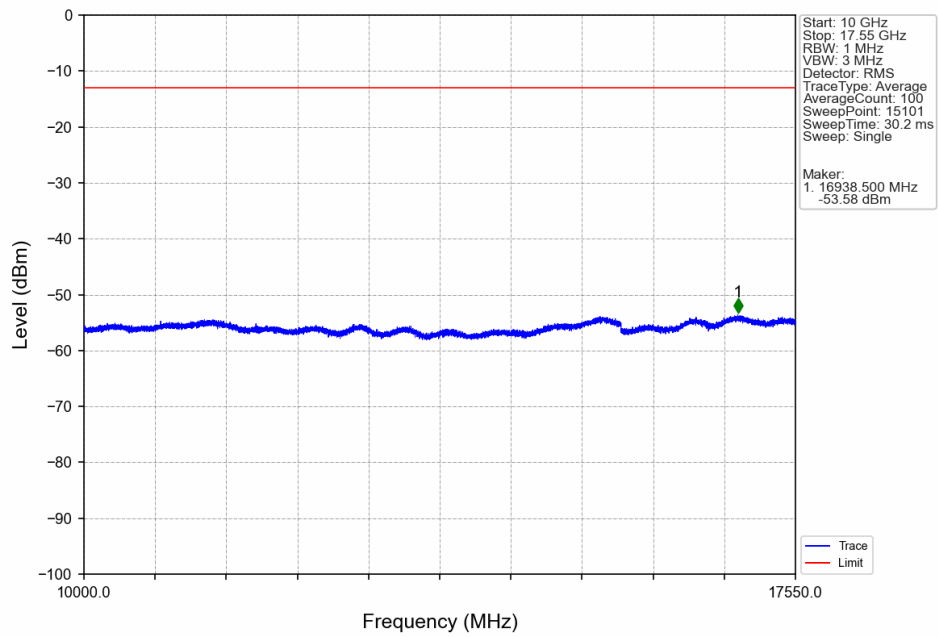
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



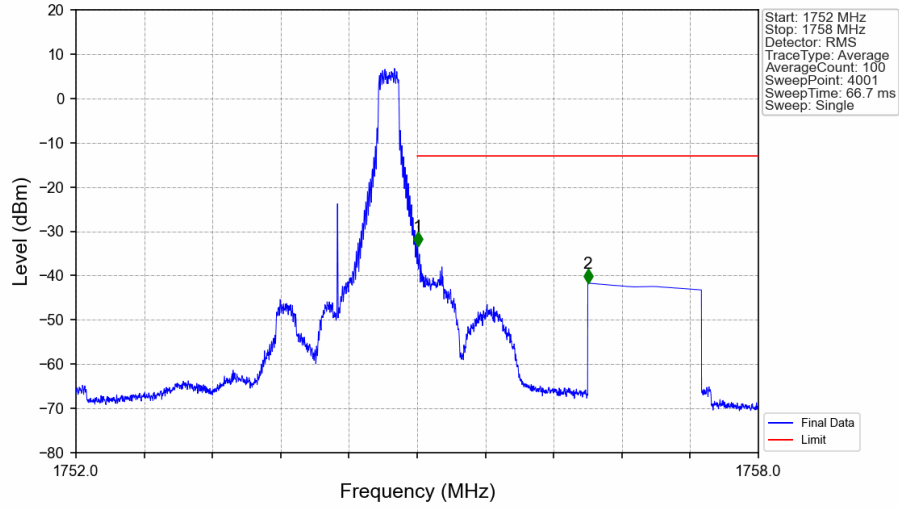
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

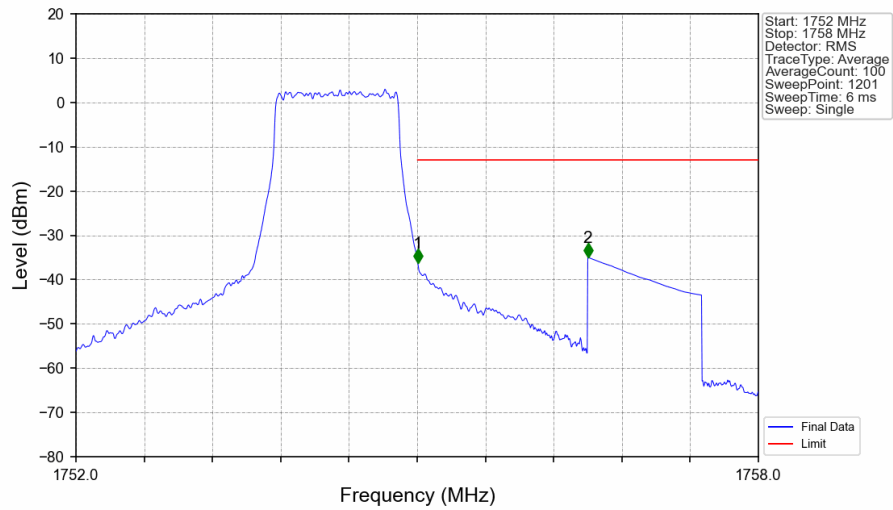


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTNV



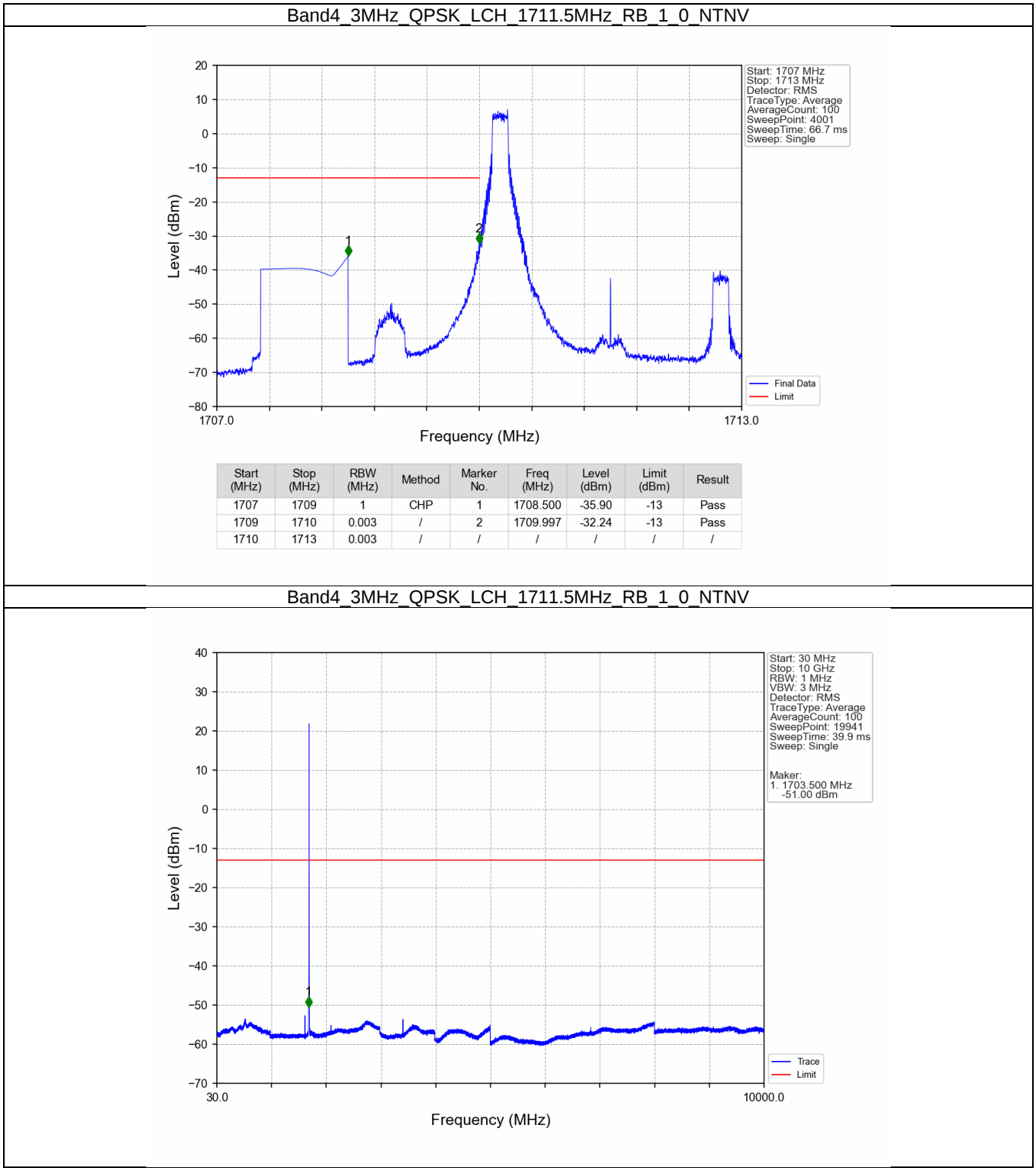
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-33.29	-13	Pass
1756	1758	1	CHP	2	1756.500	-41.70	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV

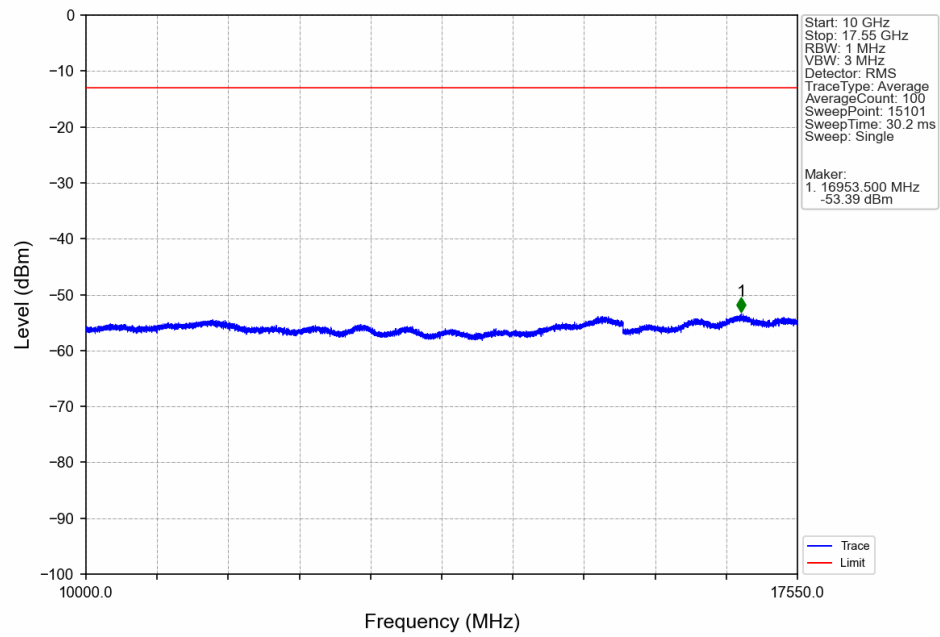


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-36.19	-13	Pass
1756	1758	1	CHP	2	1756.500	-34.95	-13	Pass

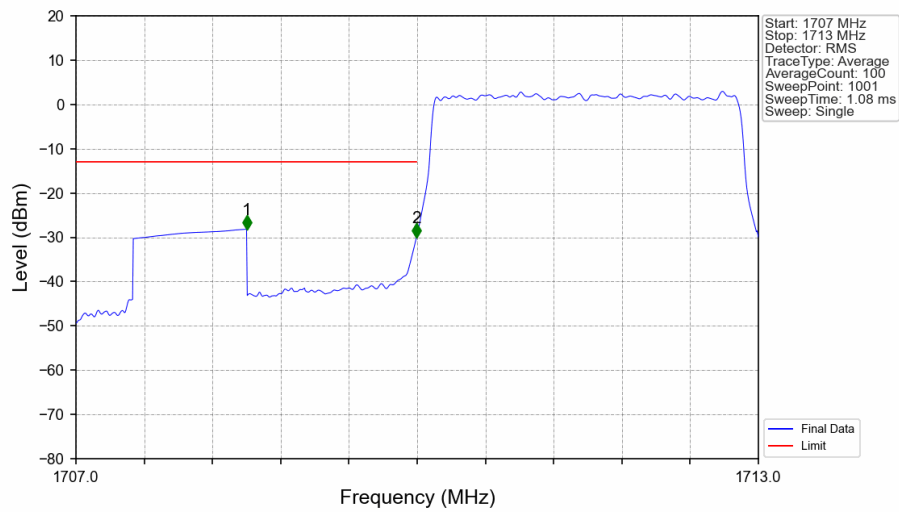
5.2.2 B4_3MHz



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

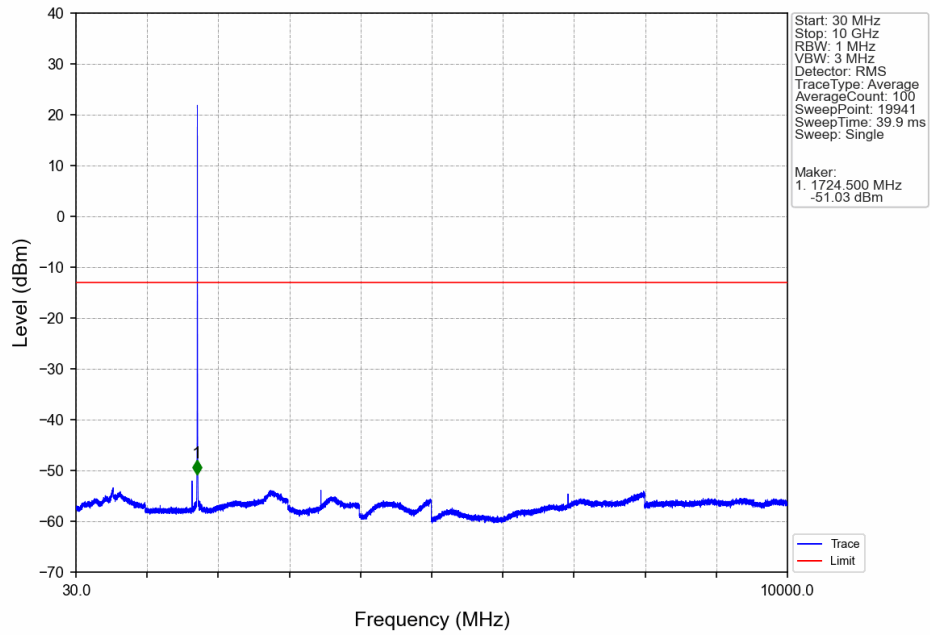


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

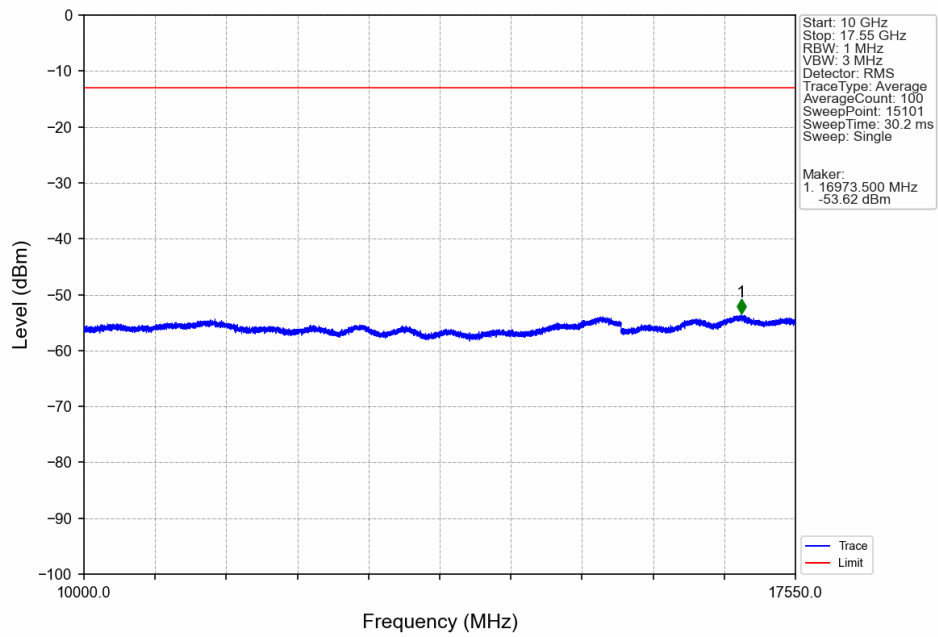


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-28.18	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-30.08	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

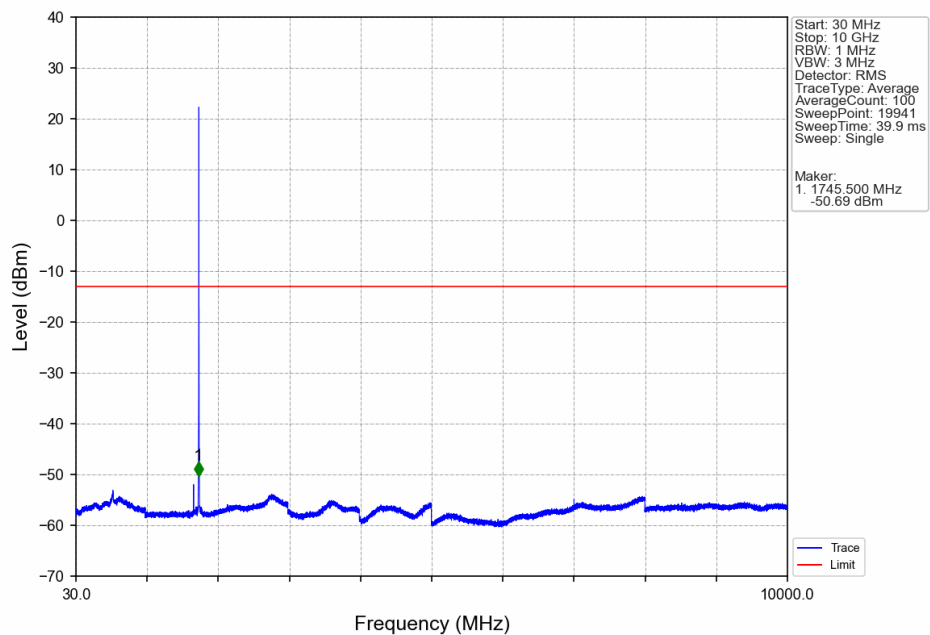
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



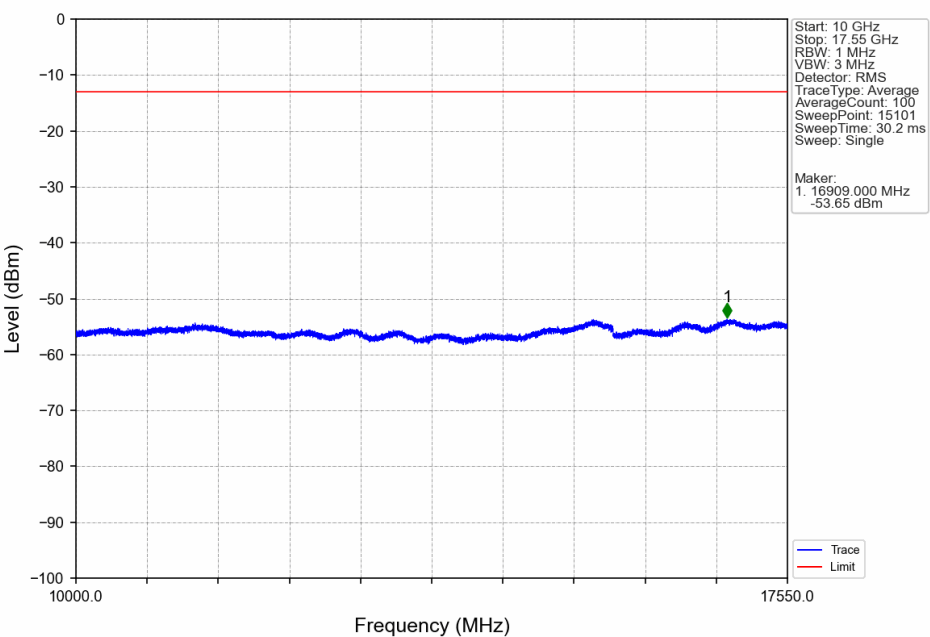
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



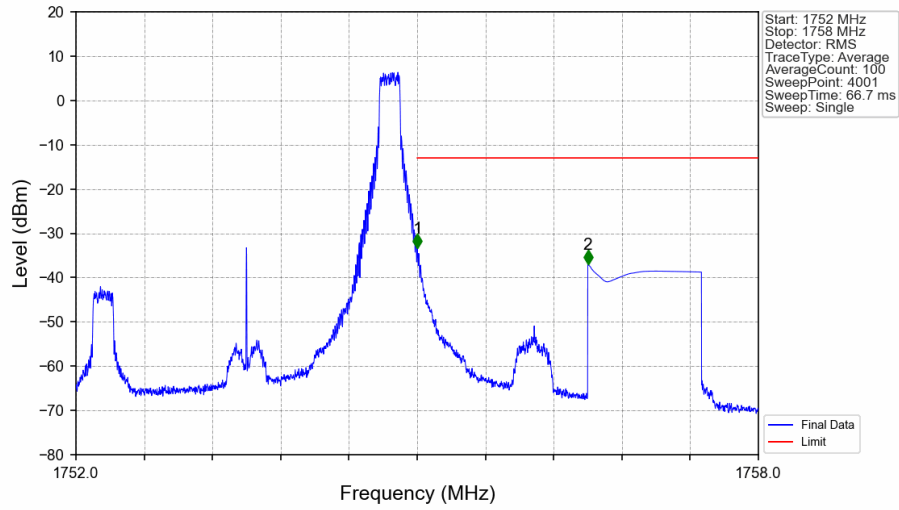
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

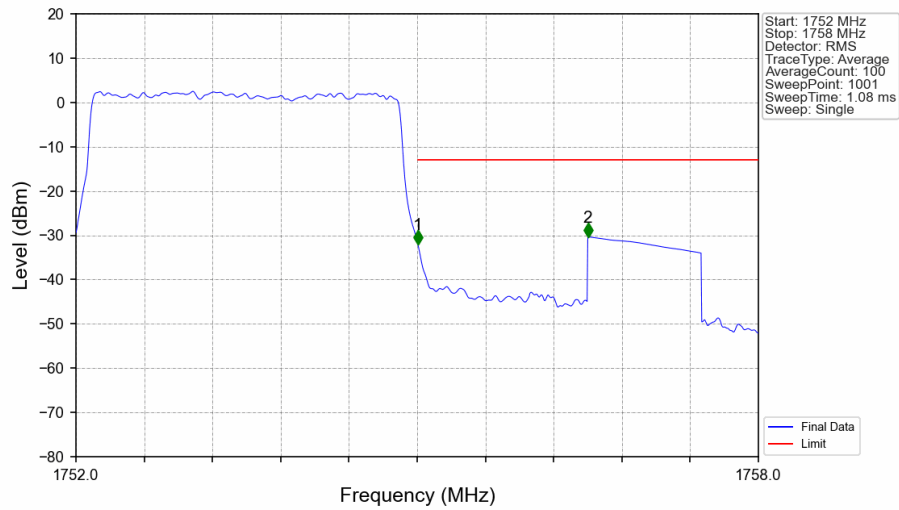


Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTNV



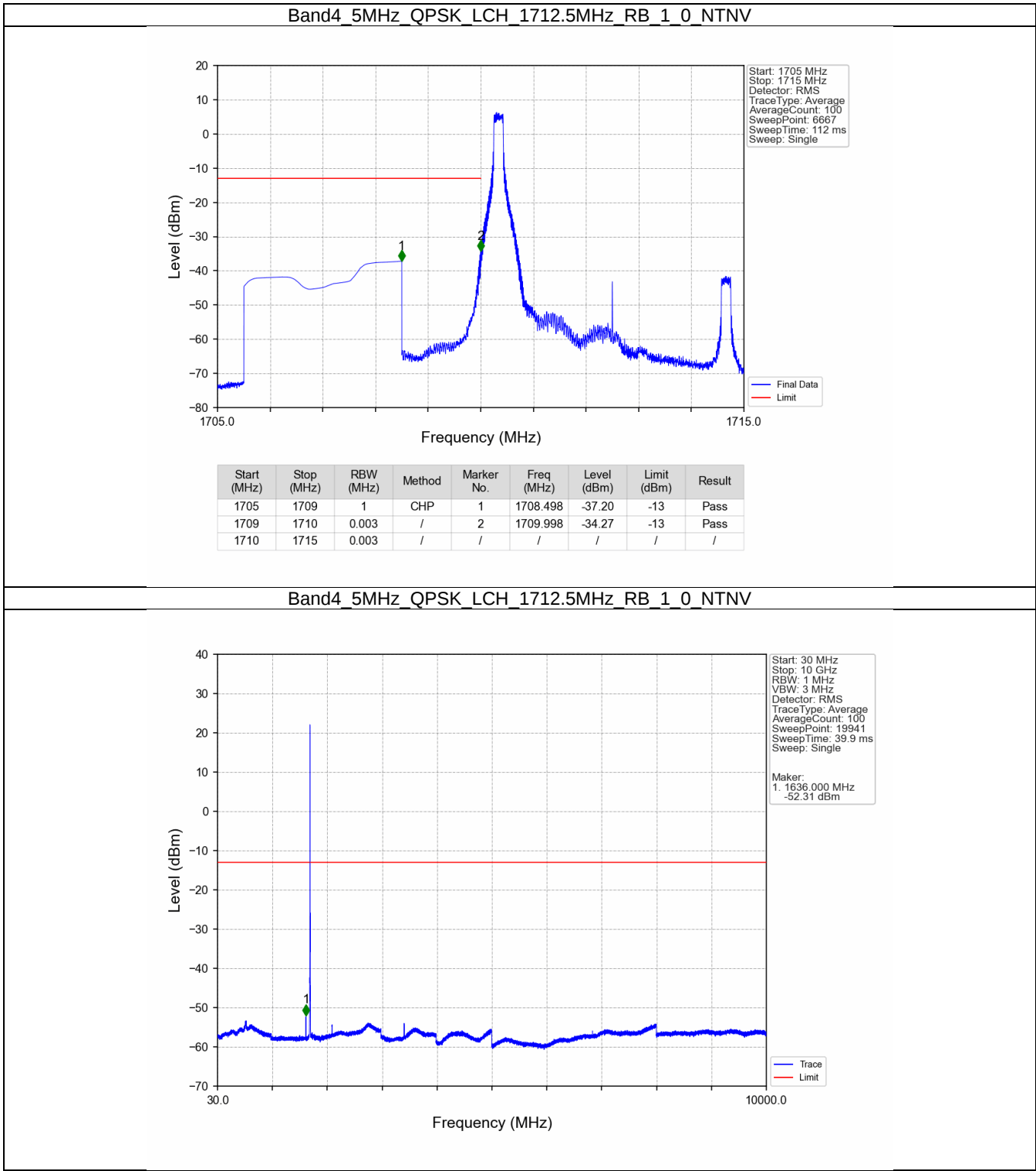
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-33.31	-13	Pass
1756	1758	1	CHP	2	1756.500	-37.02	-13	Pass

Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV

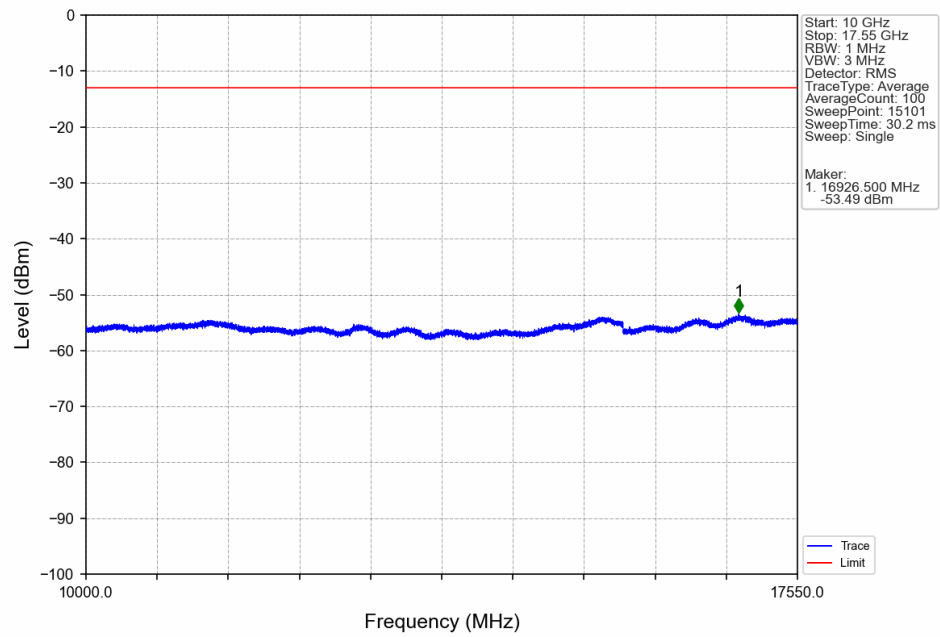


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-32.00	-13	Pass
1756	1758	1	CHP	2	1756.500	-30.34	-13	Pass

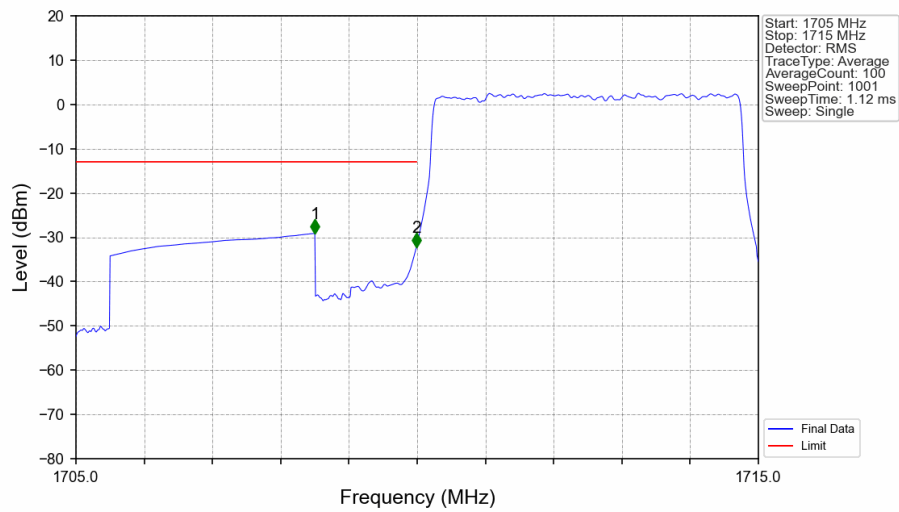
5.2.3 B4_5MHz



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

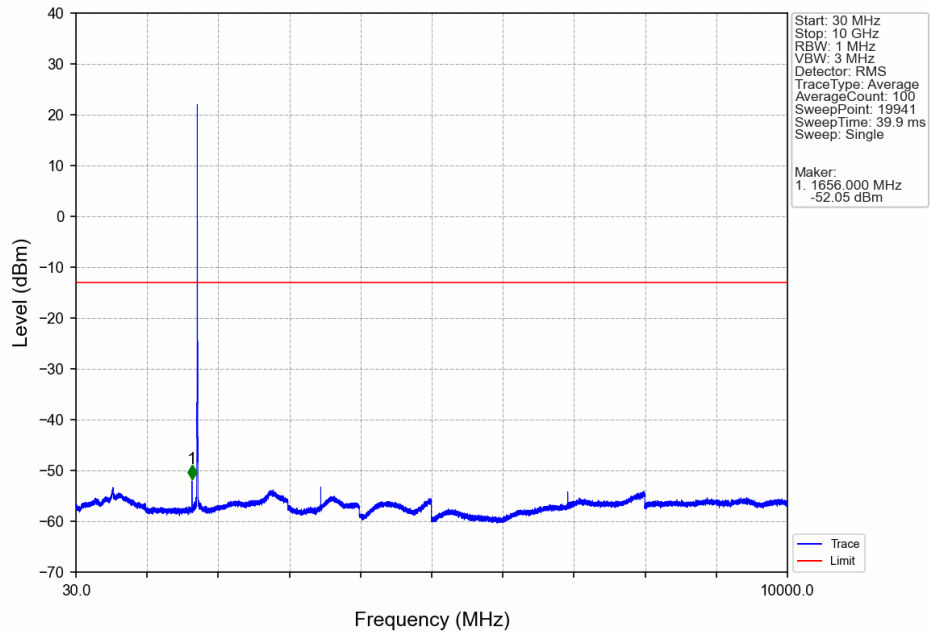


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

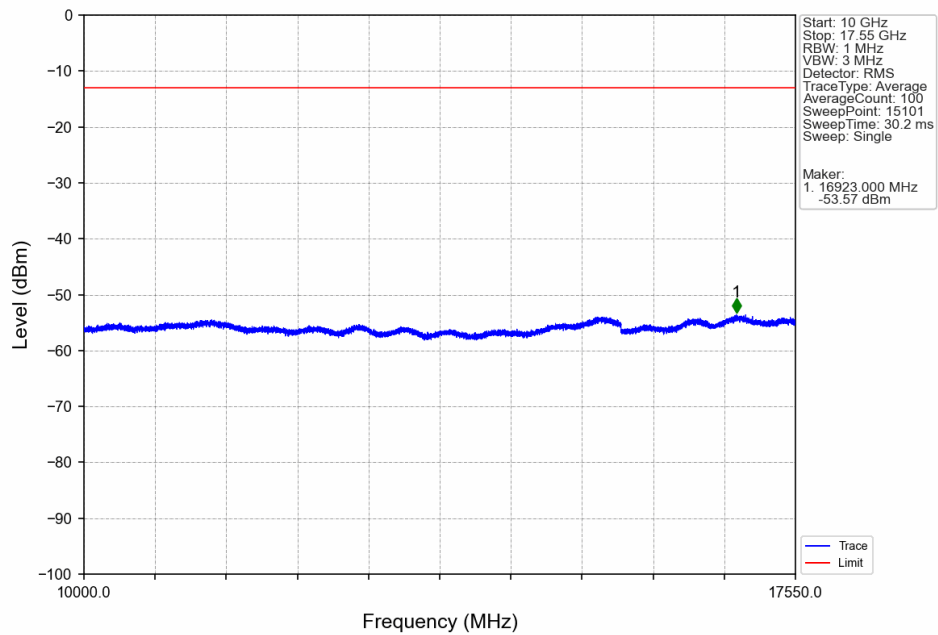


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-29.14	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-32.20	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

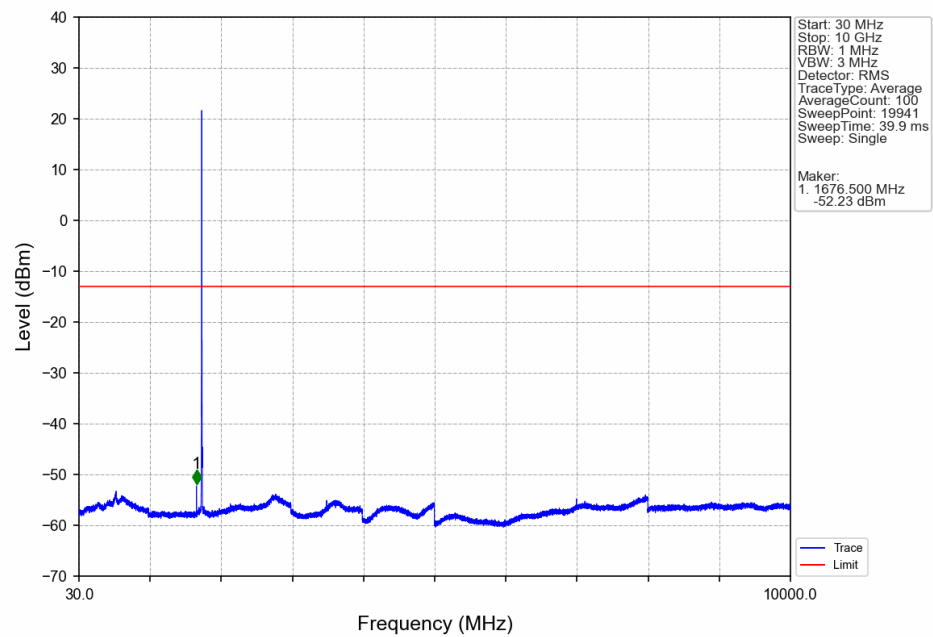
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



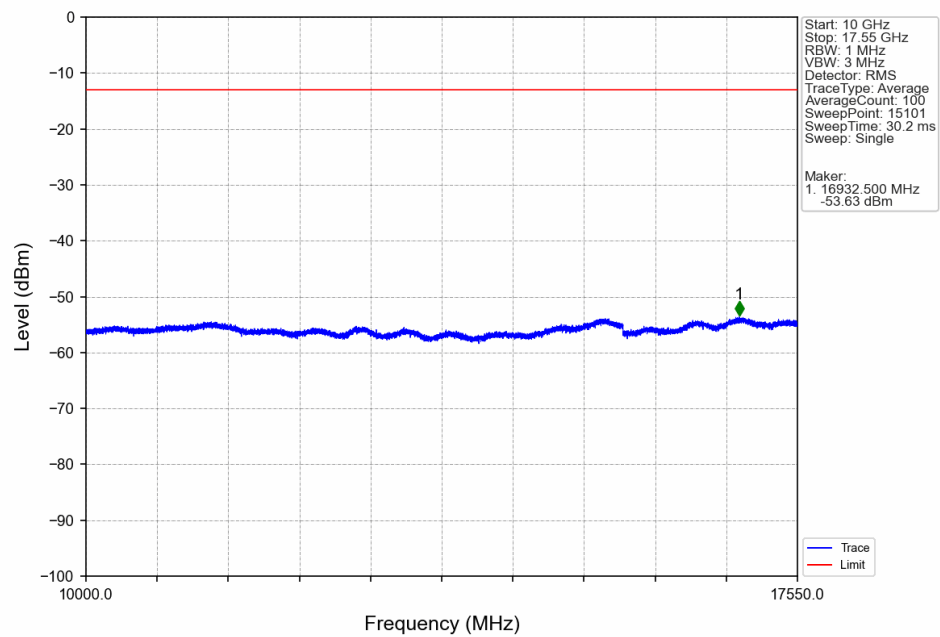
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



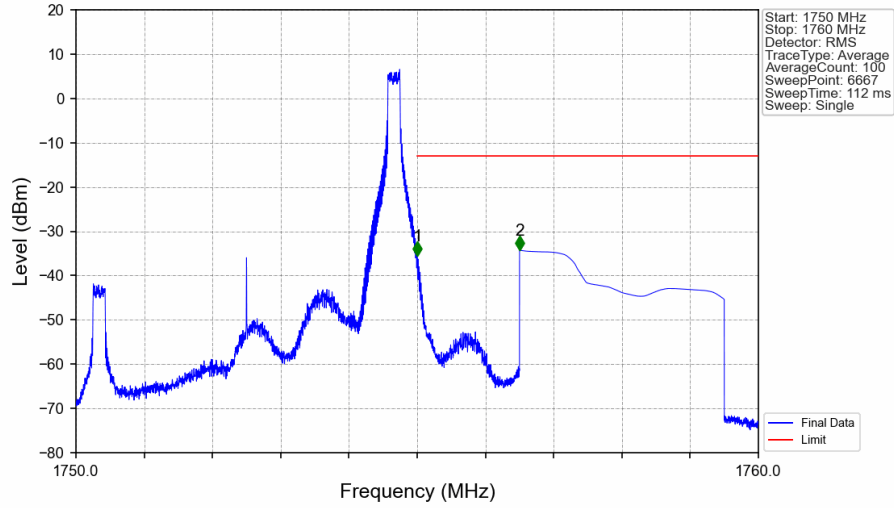
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

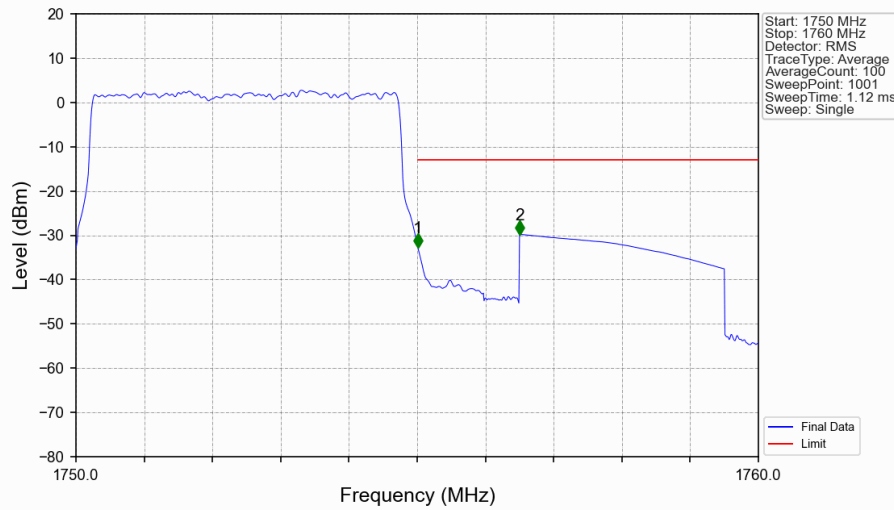


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTNV



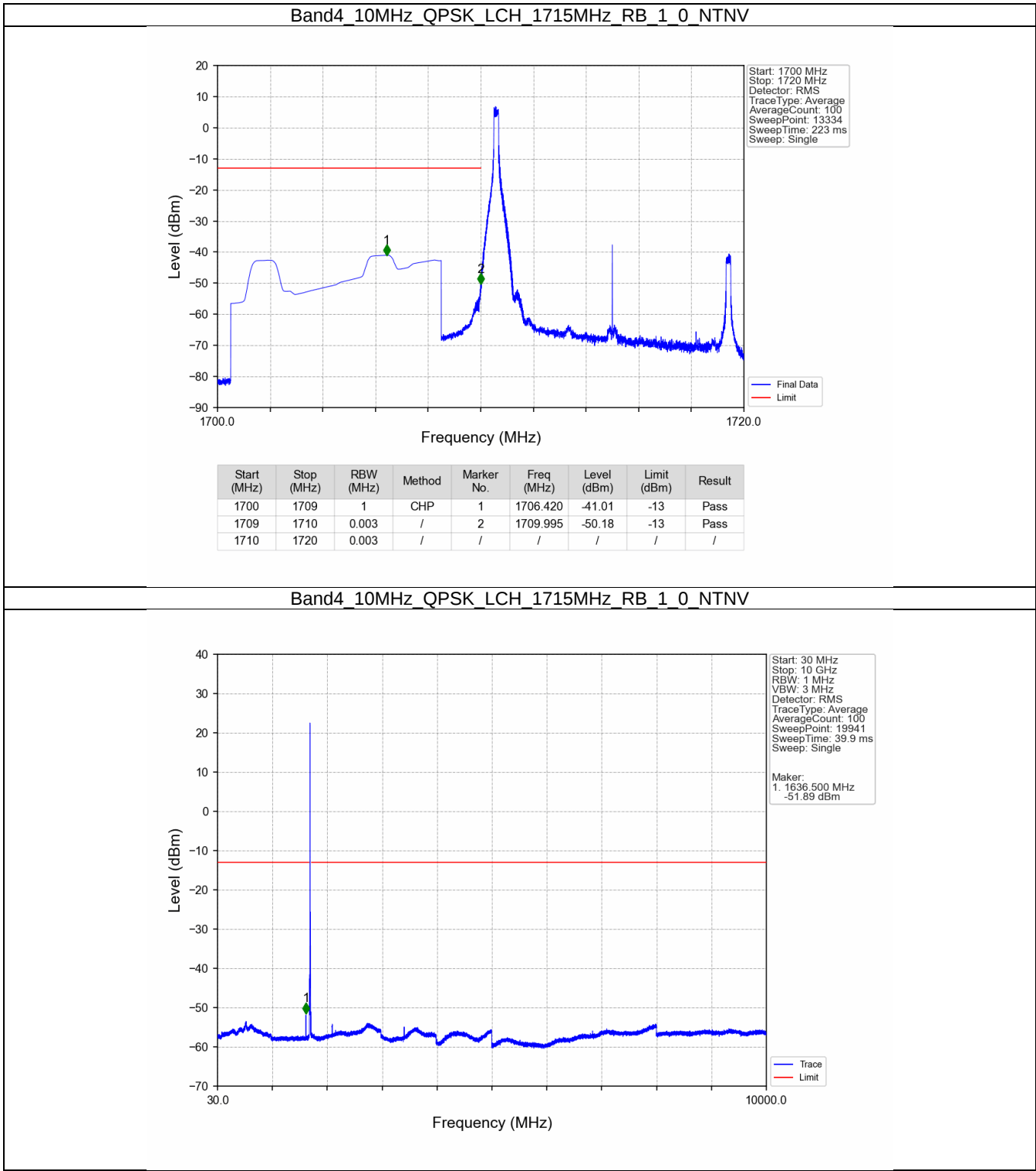
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-35.46	-13	Pass
1756	1760	1	CHP	2	1756.500	-34.27	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV

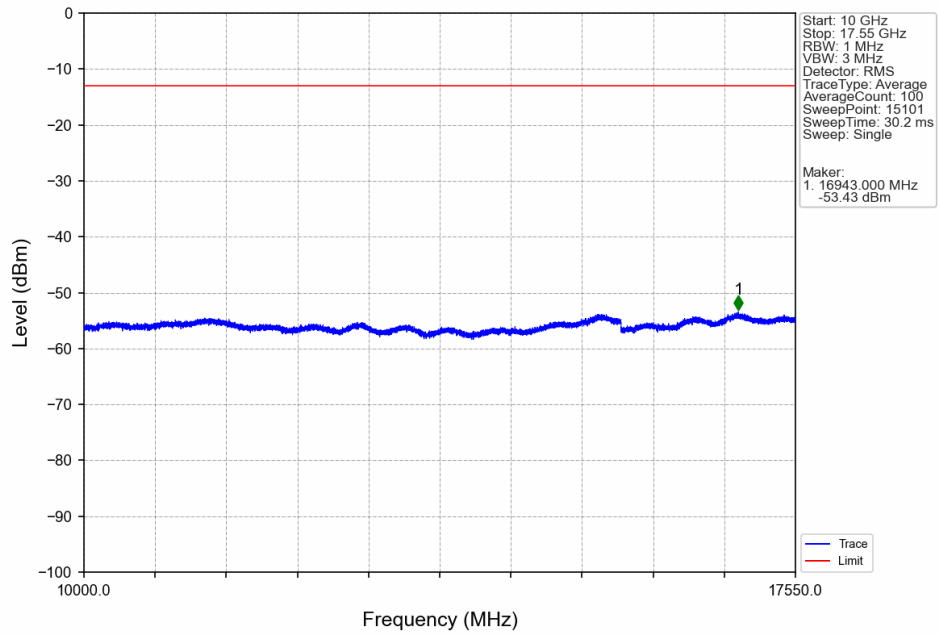


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	/	/	/	/	/
1755	1756	0.05	CHP	1	1755.010	-32.77	-13	Pass
1756	1760	1	CHP	2	1756.500	-29.79	-13	Pass

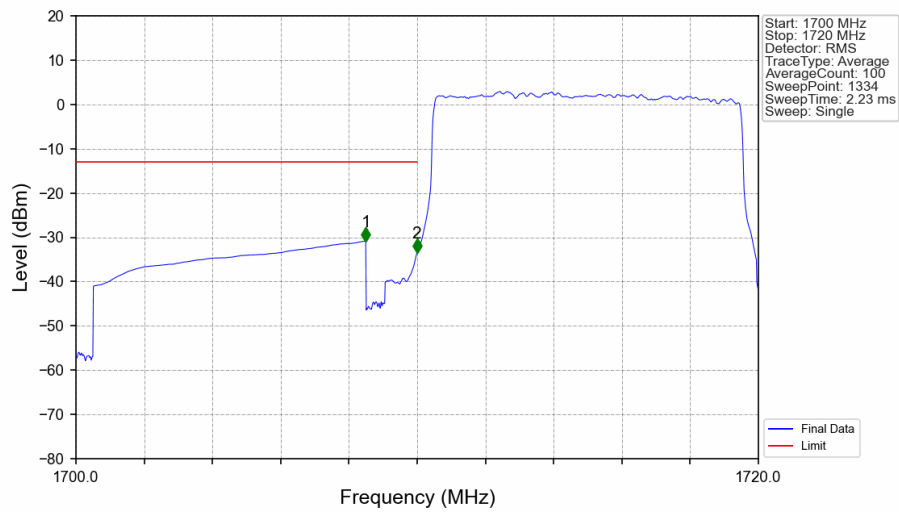
5.2.4 B4_10MHz



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

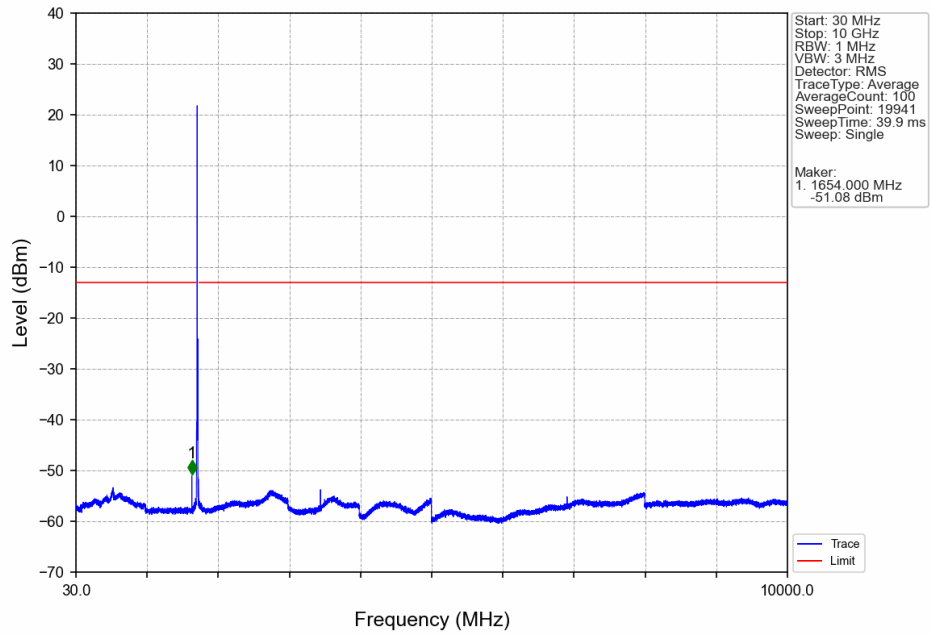


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

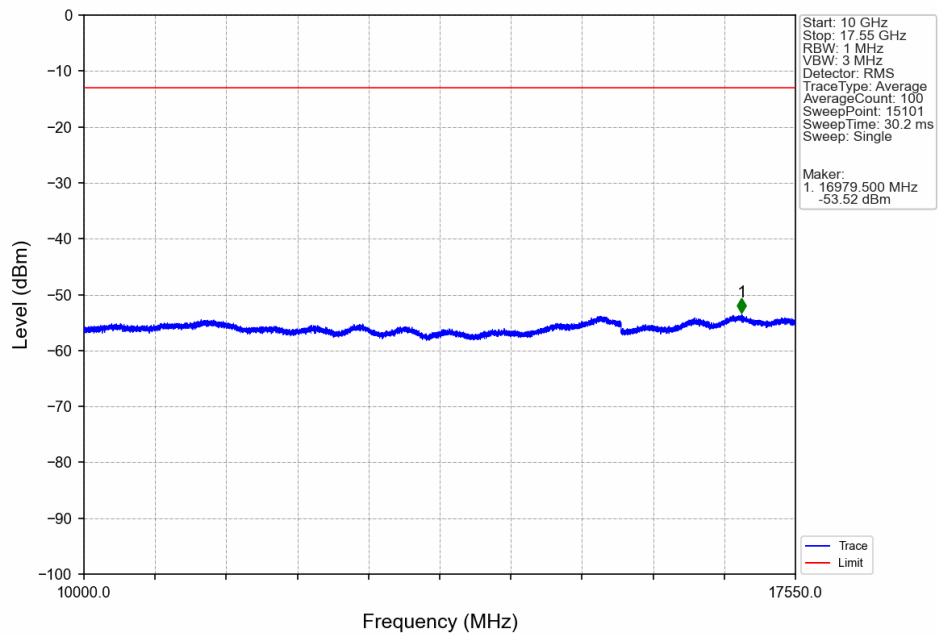


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.492	-30.87	-13	Pass
1709	1710	0.099	CHP	2	1709.992	-33.50	-13	Pass
1710	1720	0.099	CHP	/	/	/	/	/

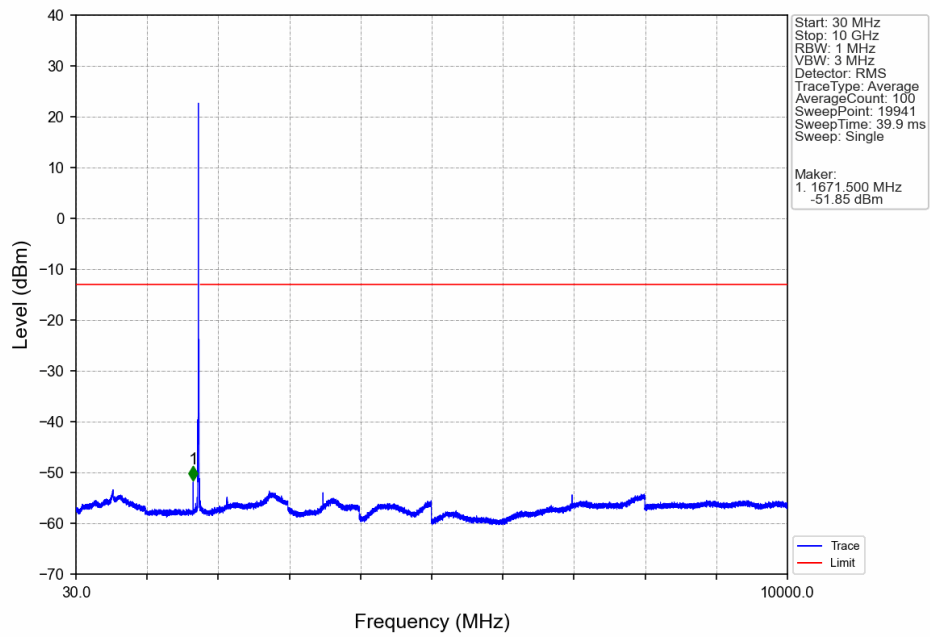
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTV



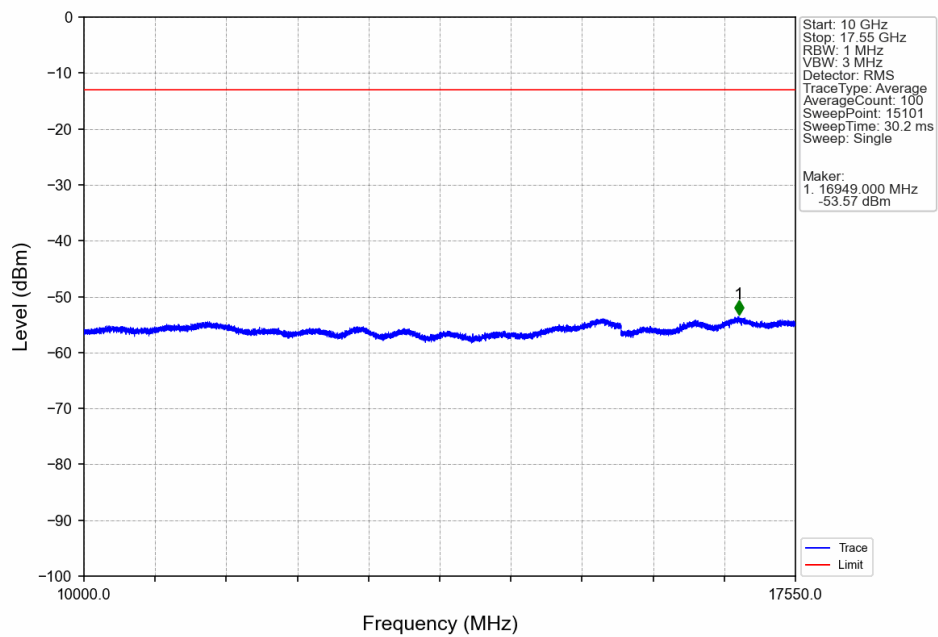
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTV



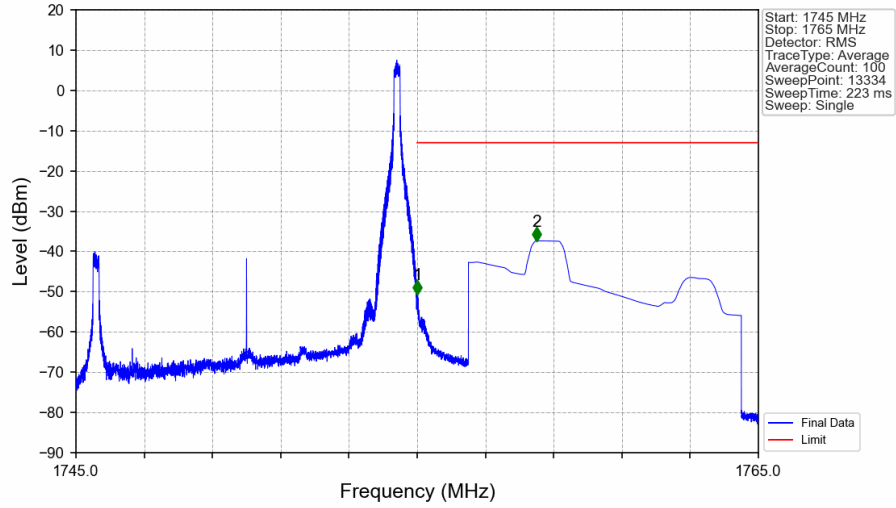
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

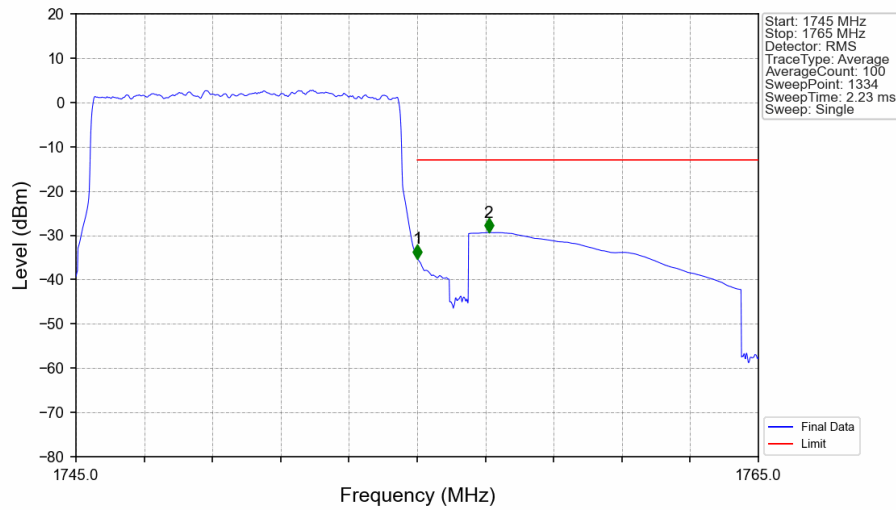


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



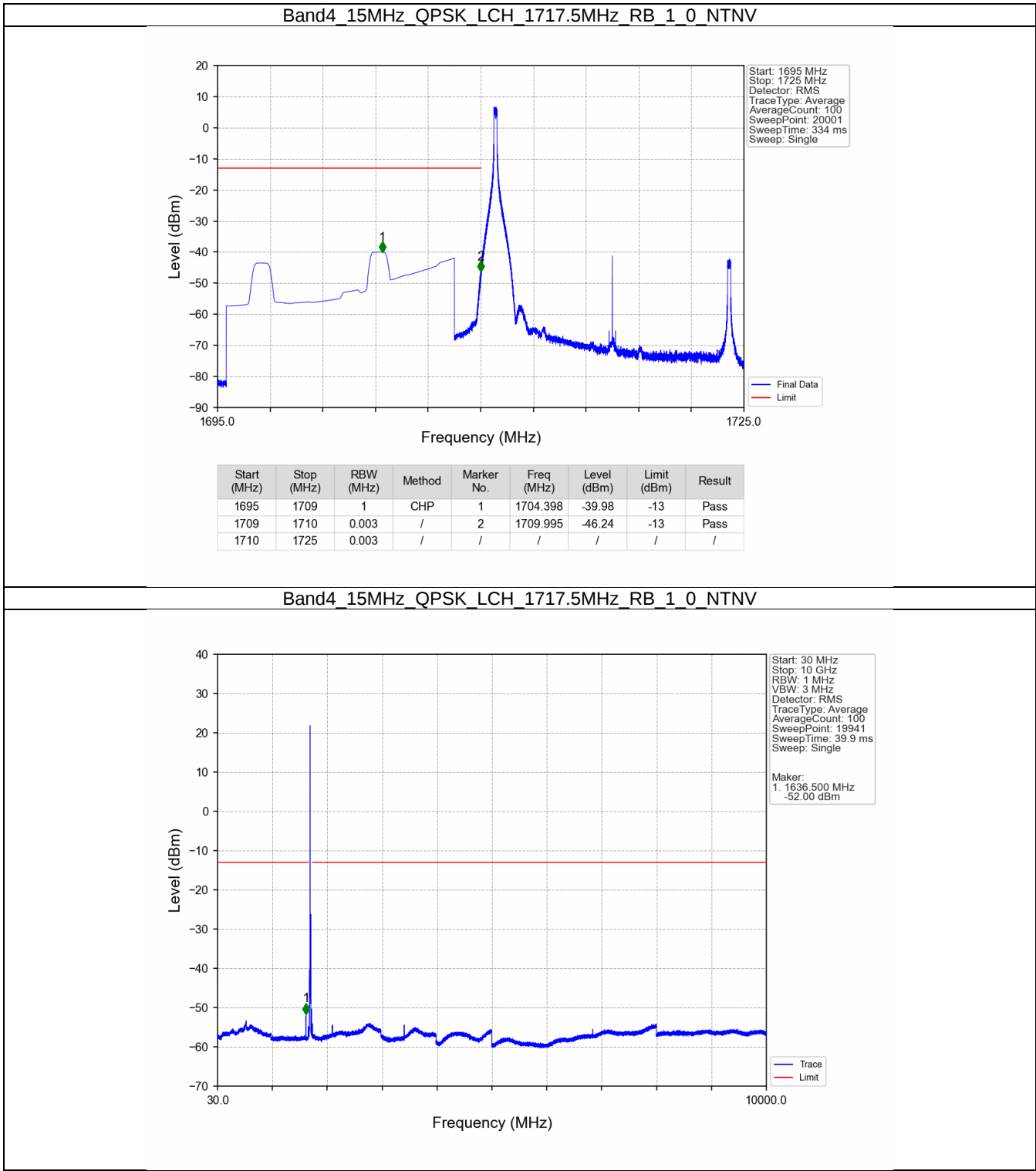
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-50.71	-13	Pass
1756	1765	1	CHP	2	1758.494	-37.37	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

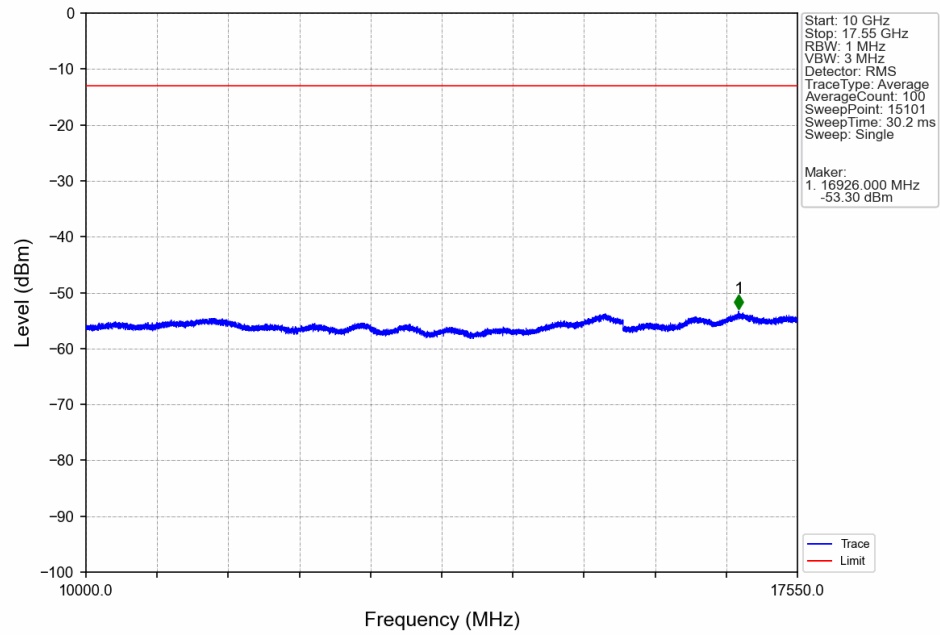


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.099	CHP	/	/	/	/	/
1755	1756	0.099	CHP	1	1755.008	-35.23	-13	Pass
1756	1765	1	CHP	2	1757.093	-29.38	-13	Pass

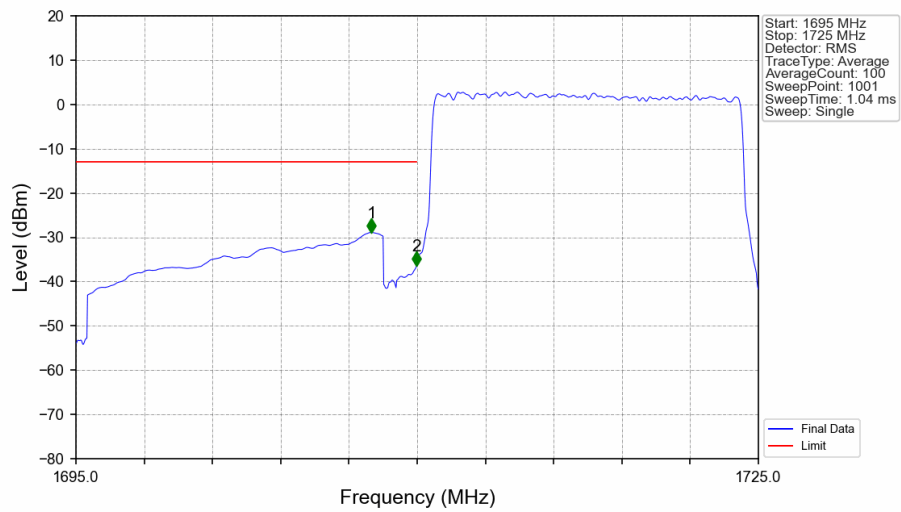
5.2.5 B4_15MHz



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

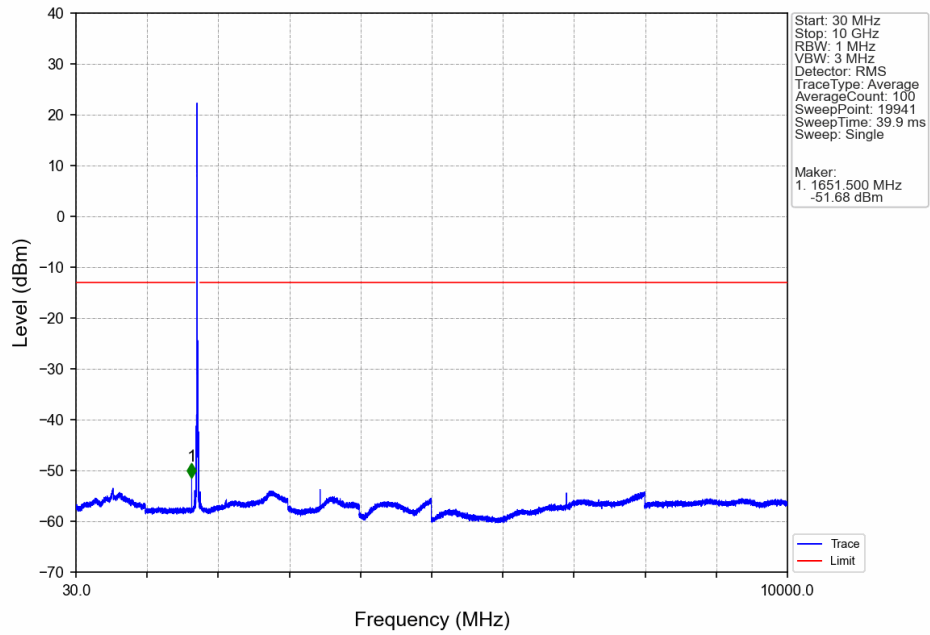


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

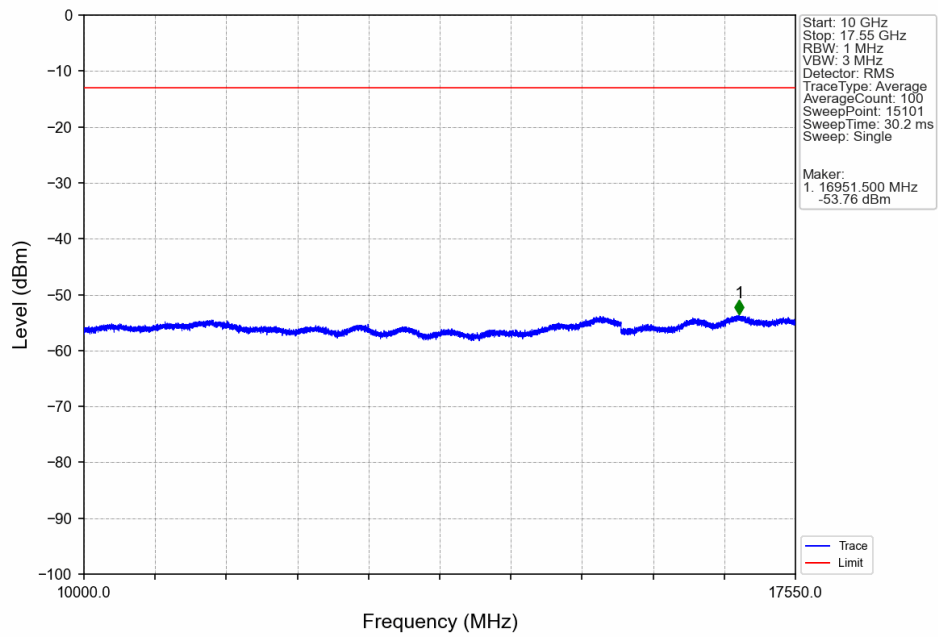


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.990	-28.90	-13	Pass
1709	1710	0.148	CHP	2	1709.970	-36.41	-13	Pass
1710	1725	0.148	CHP	/	/	/	/	/

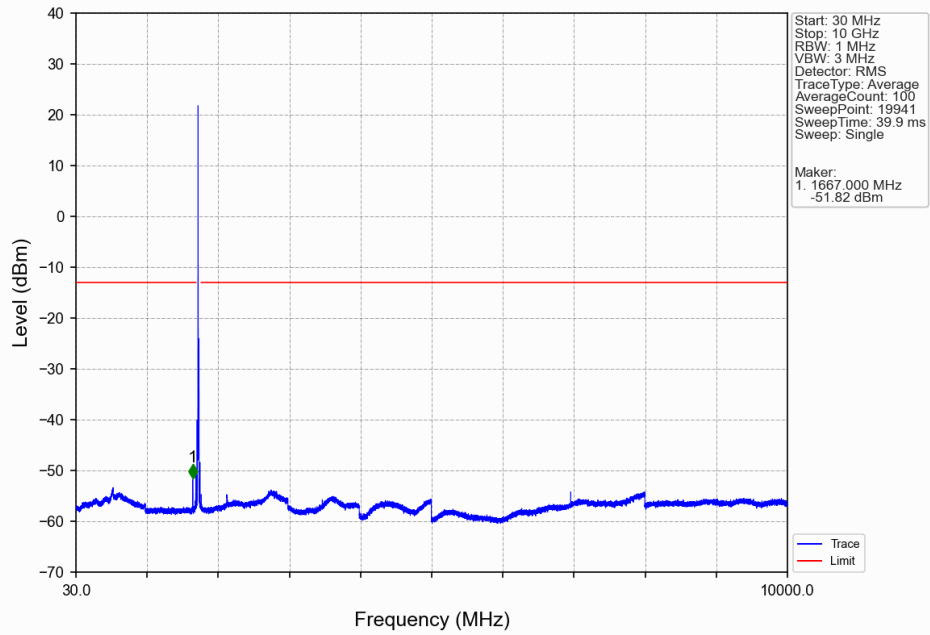
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



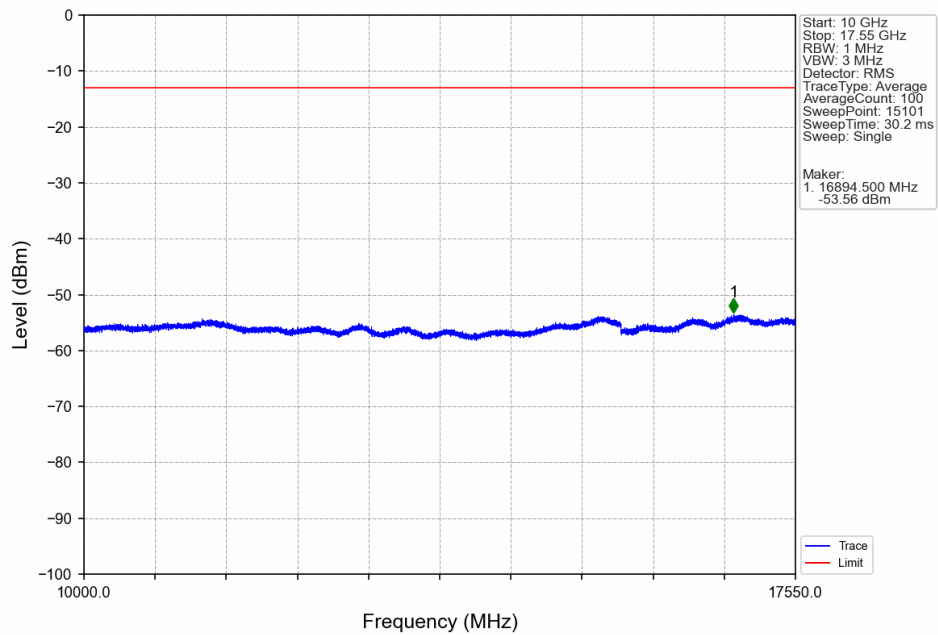
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



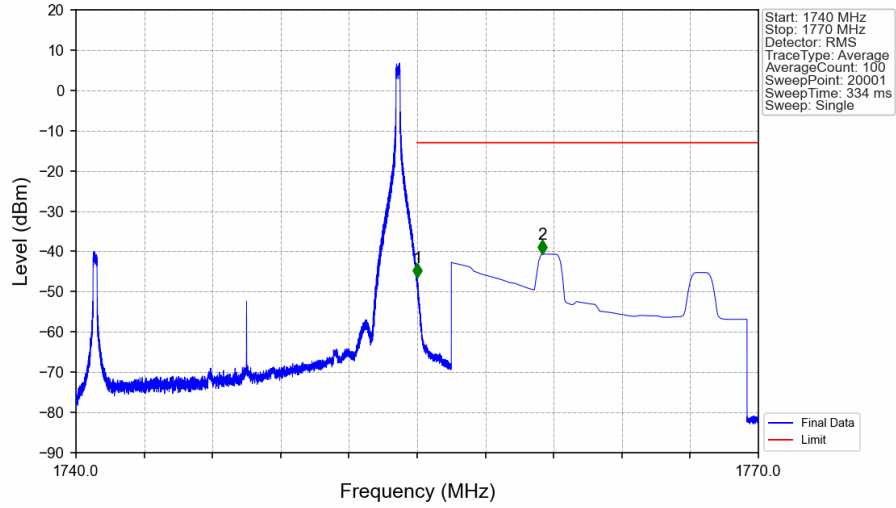
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

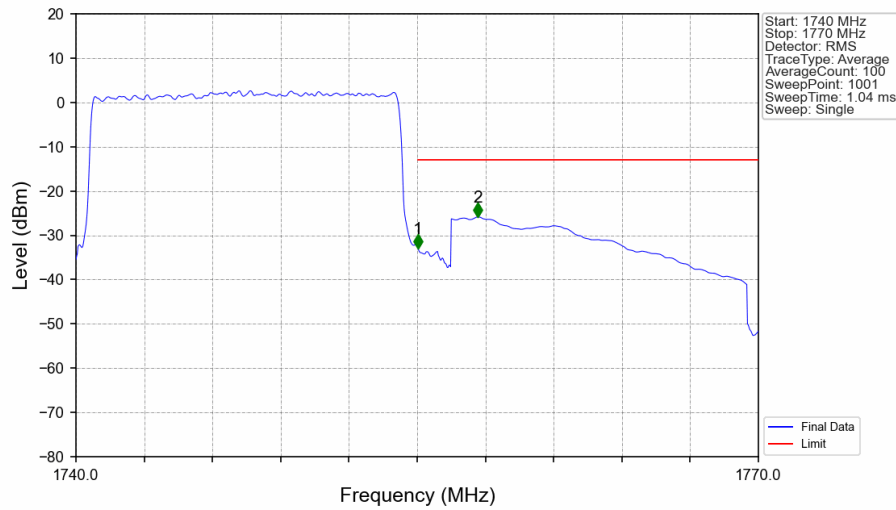


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



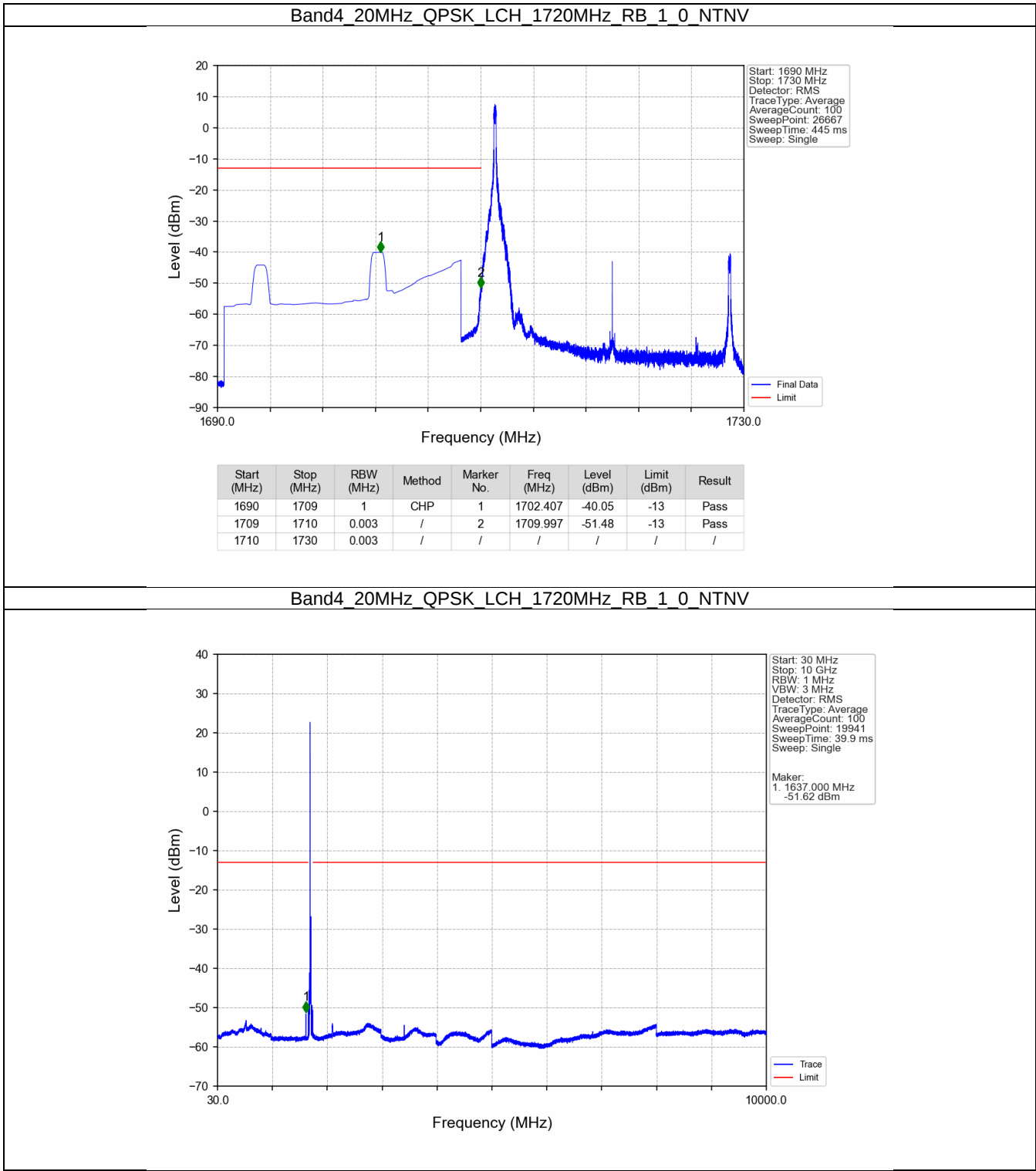
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-46.41	-13	Pass
1756	1770	1	CHP	2	1760.490	-40.66	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

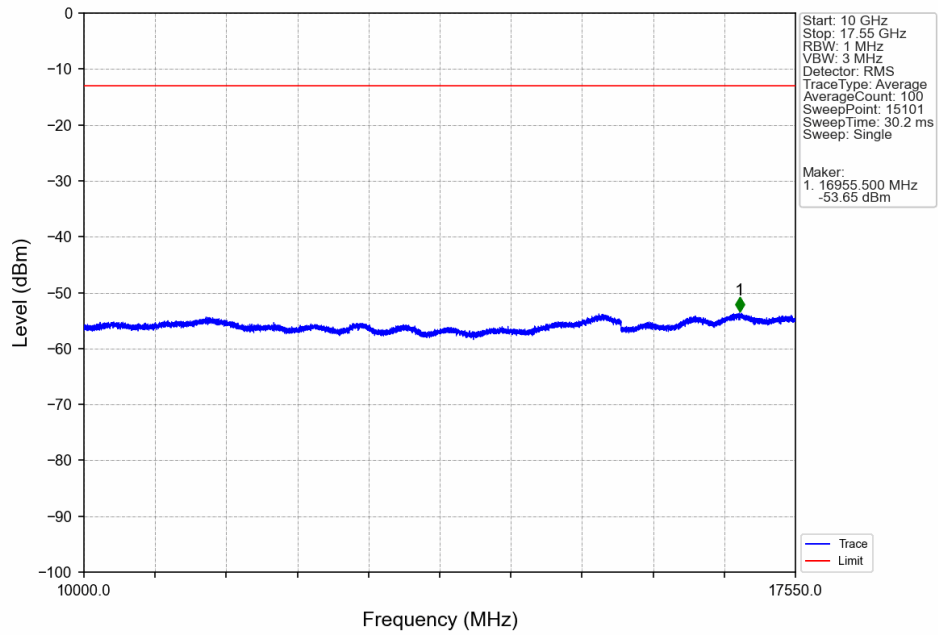


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.148	CHP	/	/	/	/	/
1755	1756	0.148	CHP	1	1755.030	-32.92	-13	Pass
1756	1770	1	CHP	2	1757.670	-25.86	-13	Pass

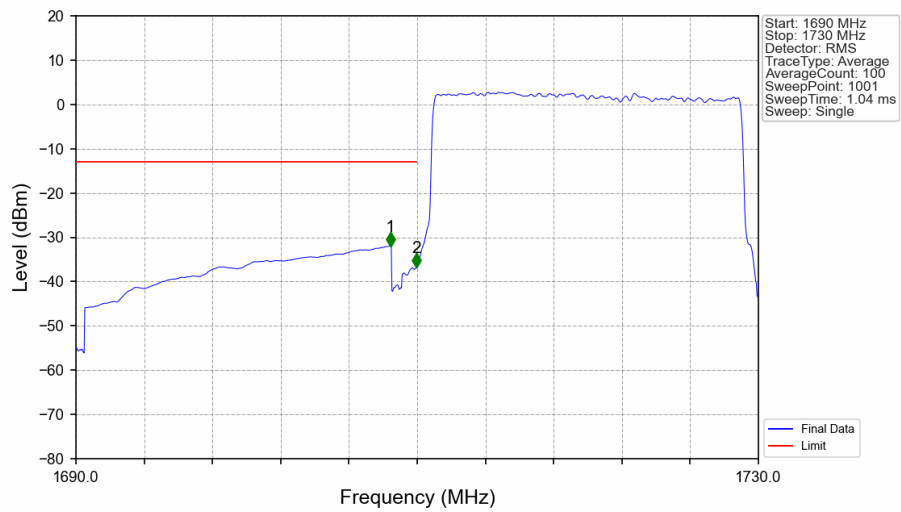
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTNV

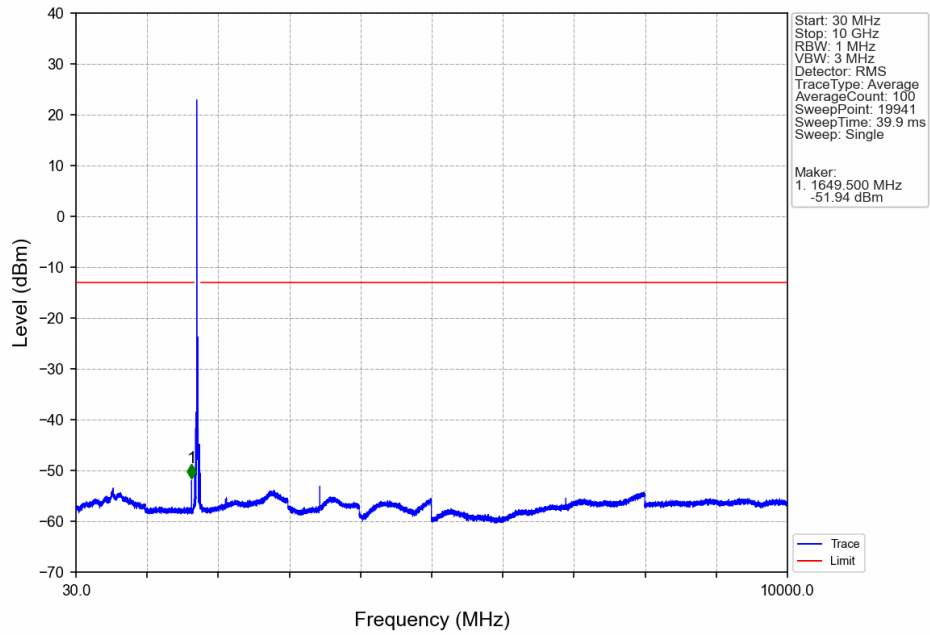


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

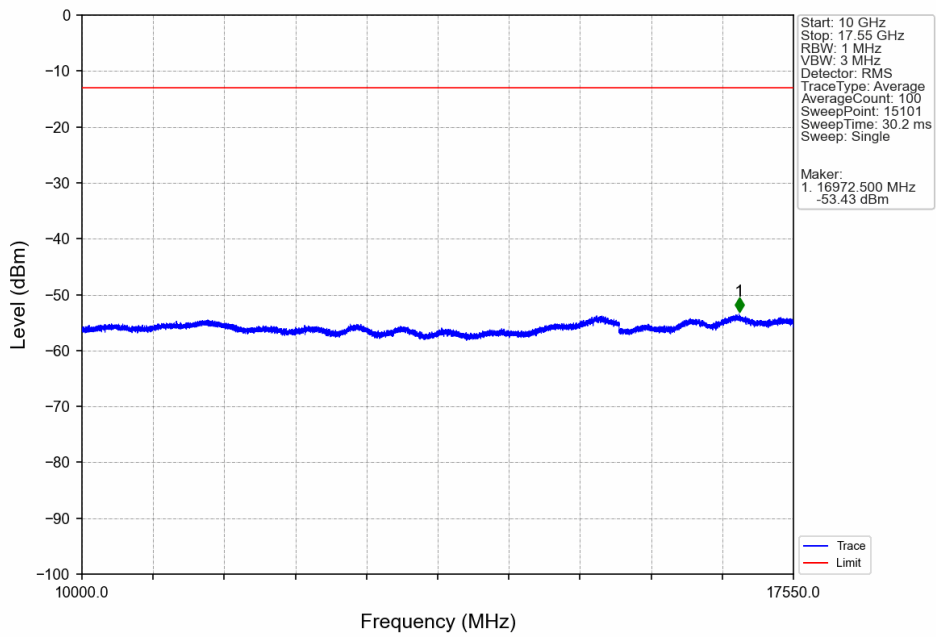


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.440	-31.97	-13	Pass
1709	1710	0.196	CHP	2	1709.960	-36.84	-13	Pass
1710	1730	0.196	CHP	/	/	/	/	/

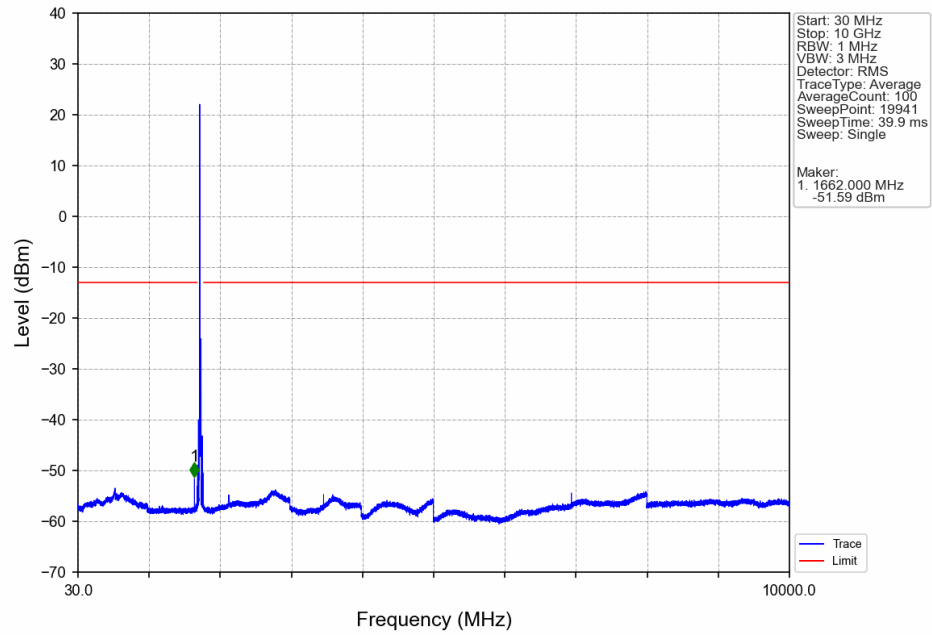
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



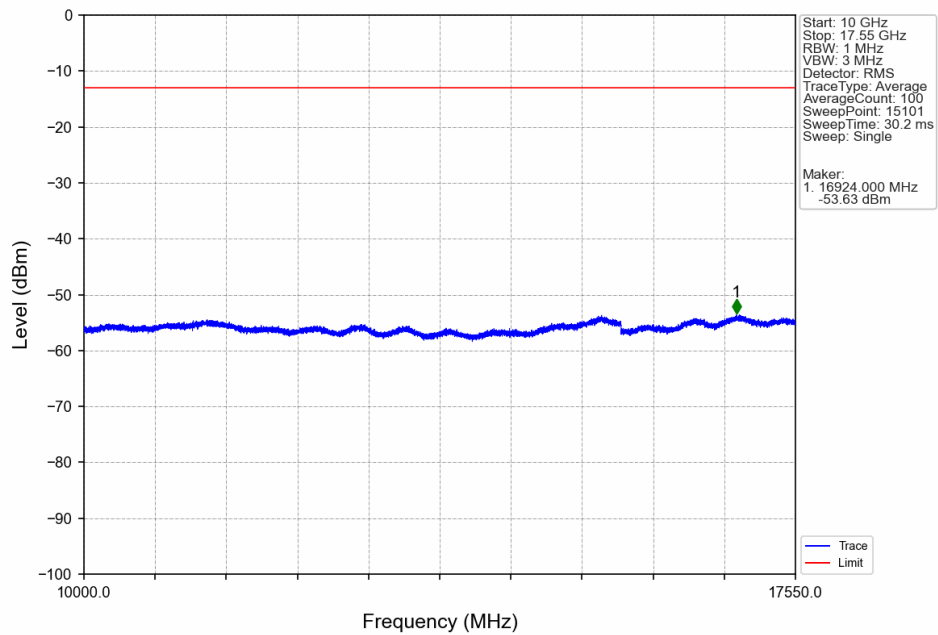
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



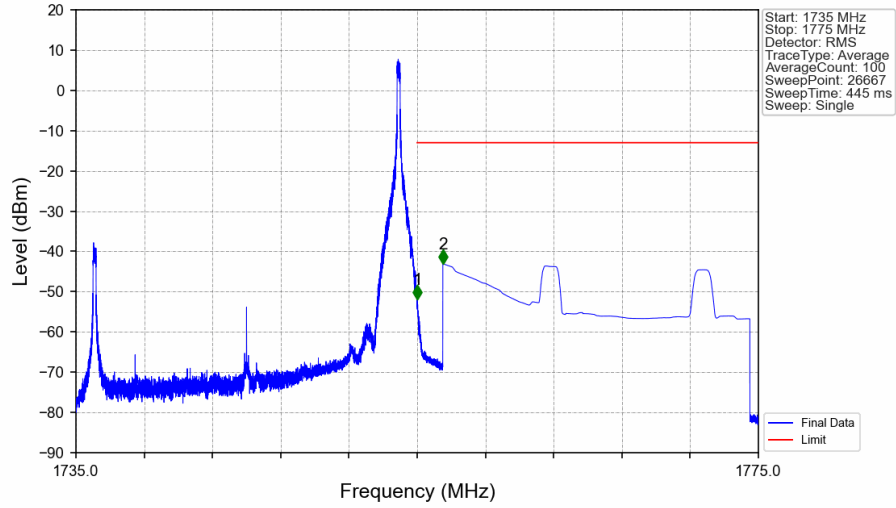
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

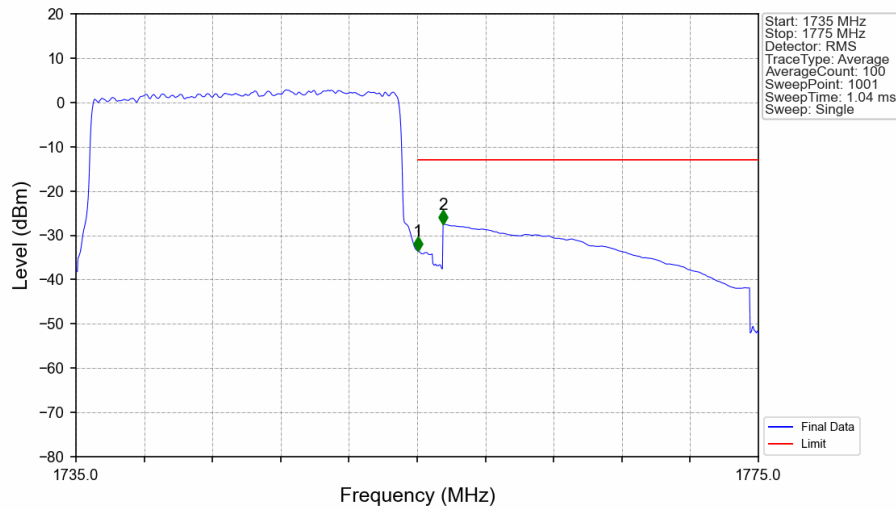


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.009	-51.83	-13	Pass
1756	1775	1	CHP	2	1756.500	-43.04	-13	Pass

Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.196	CHP	/	/	/	/	/
1755	1756	0.196	CHP	1	1755.040	-33.56	-13	Pass
1756	1775	1	CHP	2	1756.520	-27.40	-13	Pass

6. Field Strength of Spurious Radiation

1.1. Test Band = LTE Band 4_ TM1

1.1.1. 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	3422.25	60.69	-48.38	28.44	-54.52	-13.00	41.52	Horizontal
2	5133	60.55	-47.84	31.57	-50.98	-13.00	37.98	Horizontal
3	6844.125	47.36	-46.82	35.25	-59.47	-13.00	46.47	Horizontal
4	10062	40.90	-41.81	38.84	-57.32	-13.00	44.32	Horizontal
5	11586.375	39.69	-39.81	39.44	-55.94	-13.00	42.94	Horizontal
6	15387	37.93	-37.31	39.50	-55.14	-13.00	42.14	Horizontal

1.2. Test Band = LTE Band 4_ TM1

1.2.1. 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	3422.25	62.11	-48.38	28.44	-53.10	-13.00	40.10	Vertical
2	5133.375	58.90	-47.84	31.57	-52.63	-13.00	39.63	Vertical
3	7430.625	44.22	-46.17	36.28	-60.93	-13.00	47.93	Vertical
4	8555.25	43.53	-44.11	36.91	-58.93	-13.00	45.93	Vertical
5	10936.875	39.50	-40.26	39.46	-56.57	-13.00	43.57	Vertical
6	14740.125	36.80	-36.75	40.23	-54.98	-13.00	41.98	Vertical

1.3. Test Band = LTE Band 4_ TM1

1.3.1. 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	3447.375	59.59	-48.35	28.46	-55.57	-13.00	42.57	Horizontal
2	5170.875	53.68	-47.87	31.68	-57.77	-13.00	44.77	Horizontal
3	7230.375	45.60	-46.19	35.91	-59.93	-13.00	46.93	Horizontal
4	9518.625	42.27	-42.35	38.13	-57.21	-13.00	44.21	Horizontal
5	11463	39.88	-40.07	39.45	-55.99	-13.00	42.99	Horizontal
6	14650.875	38.56	-37.30	40.23	-53.77	-13.00	40.77	Horizontal

1.4. Test Band = LTE Band 4_ TM1

1.4.1. 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	3447.375	57.25	-48.35	28.46	-57.91	-13.00	44.91	Vertical
2	5170.5	60.71	-47.87	31.68	-50.74	-13.00	37.74	Vertical
3	6894.375	49.89	-46.74	35.33	-56.78	-13.00	43.78	Vertical
4	9041.25	42.86	-43.03	37.46	-57.98	-13.00	44.98	Vertical
5	10852.5	39.97	-40.35	39.40	-56.24	-13.00	43.24	Vertical
6	14727	36.67	-36.73	40.23	-55.09	-13.00	42.09	Vertical

1.5. Test Band = LTE Band 4_ TM1
1.5.1. 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	3472.125	58.06	-48.32	28.48	-57.05	-13.00	44.05	Horizontal
2	5208.375	60.22	-47.88	31.78	-51.14	-13.00	38.14	Horizontal
3	6944.25	46.38	-46.67	35.41	-60.14	-13.00	47.14	Horizontal
4	9999	40.88	-41.70	38.80	-57.29	-13.00	44.29	Horizontal
5	13896	38.86	-38.74	40.14	-55.00	-13.00	42.00	Horizontal
6	17641.125	36.37	-37.23	42.65	-53.48	-13.00	40.48	Horizontal

1.6. Test Band = LTE Band 4_ TM1
1.6.1. 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	3472.125	56.57	-48.32	28.48	-58.54	-13.00	45.54	Vertical
2	5208.375	61.56	-47.88	31.78	-49.80	-13.00	36.80	Vertical
3	6944.625	49.71	-46.67	35.41	-56.81	-13.00	43.81	Vertical
4	8921.625	42.23	-43.84	37.31	-59.56	-13.00	46.56	Vertical
5	11621.625	38.78	-39.75	39.44	-56.79	-13.00	43.79	Vertical
6	14749.875	37.20	-36.76	40.23	-54.60	-13.00	41.60	Vertical