



Appendix A.7

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / 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	22.51	2.00	24.51	<=30	Pass
			2	22.68	2.00	24.68	<=30	Pass
			5	22.55	2.00	24.55	<=30	Pass
		3	0	22.62	2.00	24.62	<=30	Pass
			2	22.68	2.00	24.68	<=30	Pass
			3	22.53	2.00	24.53	<=30	Pass
		6	0	21.54	2.00	23.54	<=30	Pass
	1732.5	1	0	22.96	2.00	24.96	<=30	Pass
			2	23.31	2.00	25.31	<=30	Pass
			5	23.17	2.00	25.17	<=30	Pass
		3	0	23.13	2.00	25.13	<=30	Pass
			2	23.09	2.00	25.09	<=30	Pass
			3	23.05	2.00	25.05	<=30	Pass
		6	0	22.00	2.00	24.00	<=30	Pass
	1754.3	1	0	22.79	2.00	24.79	<=30	Pass
			2	23.16	2.00	25.16	<=30	Pass
			5	22.97	2.00	24.97	<=30	Pass
		3	0	22.84	2.00	24.84	<=30	Pass
			2	22.95	2.00	24.95	<=30	Pass
			3	22.99	2.00	24.99	<=30	Pass
		6	0	22.00	2.00	24.00	<=30	Pass
16QAM	1710.7	1	0	21.60	2.00	23.60	<=30	Pass
			2	21.58	2.00	23.58	<=30	Pass
			5	21.56	2.00	23.56	<=30	Pass
		3	0	21.45	2.00	23.45	<=30	Pass
			2	21.46	2.00	23.46	<=30	Pass
			3	21.42	2.00	23.42	<=30	Pass
		6	0	20.45	2.00	22.45	<=30	Pass
	1732.5	1	0	21.90	2.00	23.90	<=30	Pass
			2	21.72	2.00	23.72	<=30	Pass
			5	21.78	2.00	23.78	<=30	Pass
		3	0	21.95	2.00	23.95	<=30	Pass
			2	22.04	2.00	24.04	<=30	Pass
			3	21.99	2.00	23.99	<=30	Pass
		6	0	20.91	2.00	22.91	<=30	Pass
	1754.3	1	0	21.60	2.00	23.60	<=30	Pass
			2	21.79	2.00	23.79	<=30	Pass
			5	21.62	2.00	23.62	<=30	Pass



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		3	0	21.76	2.00	23.76	<=30	Pass
			2	21.87	2.00	23.87	<=30	Pass
			3	21.90	2.00	23.90	<=30	Pass
		6	0	20.77	2.00	22.77	<=30	Pass
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	22.59	2.00	24.59	<=30	Pass
			7	22.73	2.00	24.73	<=30	Pass
			14	22.91	2.00	24.91	<=30	Pass
		8	0	21.69	2.00	23.69	<=30	Pass
			4	21.75	2.00	23.75	<=30	Pass
			7	21.74	2.00	23.74	<=30	Pass
		15	0	21.72	2.00	23.72	<=30	Pass
	1732.5	1	0	23.08	2.00	25.08	<=30	Pass
			7	23.16	2.00	25.16	<=30	Pass
			14	23.21	2.00	25.21	<=30	Pass
		8	0	22.11	2.00	24.11	<=30	Pass
			4	22.09	2.00	24.09	<=30	Pass
			7	22.10	2.00	24.10	<=30	Pass
		15	0	22.05	2.00	24.05	<=30	Pass
	1753.5	1	0	22.76	2.00	24.76	<=30	Pass
			7	22.83	2.00	24.83	<=30	Pass
			14	22.97	2.00	24.97	<=30	Pass
		8	0	21.84	2.00	23.84	<=30	Pass
			4	21.80	2.00	23.80	<=30	Pass
			7	21.60	2.00	23.60	<=30	Pass
		15	0	21.79	2.00	23.79	<=30	Pass
16QAM	1711.5	1	0	21.66	2.00	23.66	<=30	Pass
			7	21.66	2.00	23.66	<=30	Pass
			14	21.62	2.00	23.62	<=30	Pass
		8	0	20.57	2.00	22.57	<=30	Pass
			4	20.63	2.00	22.63	<=30	Pass
			7	20.64	2.00	22.64	<=30	Pass
		15	0	20.65	2.00	22.65	<=30	Pass
	1732.5	1	0	21.86	2.00	23.86	<=30	Pass
			7	21.70	2.00	23.70	<=30	Pass
			14	21.81	2.00	23.81	<=30	Pass
		8	0	20.61	2.00	22.61	<=30	Pass
			4	20.83	2.00	22.83	<=30	Pass
			7	20.85	2.00	22.85	<=30	Pass
		15	0	20.61	2.00	22.61	<=30	Pass
	1753.5	1	0	21.42	2.00	23.42	<=30	Pass
			7	21.69	2.00	23.69	<=30	Pass
			14	21.82	2.00	23.82	<=30	Pass
		8	0	20.63	2.00	22.63	<=30	Pass
			4	20.61	2.00	22.61	<=30	Pass
			4	20.61	2.00	22.61	<=30	Pass



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		7	20.51	2.00	22.51	<=30	Pass
	15	0	20.77	2.00	22.77	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.54	2.00	24.54	<=30	Pass
			13	22.72	2.00	24.72	<=30	Pass
			24	22.89	2.00	24.89	<=30	Pass
		12	0	21.54	2.00	23.54	<=30	Pass
			6	21.66	2.00	23.66	<=30	Pass
			13	21.65	2.00	23.65	<=30	Pass
		25	0	21.63	2.00	23.63	<=30	Pass
	1732.5	1	0	23.00	2.00	25.00	<=30	Pass
			13	23.05	2.00	25.05	<=30	Pass
			24	23.07	2.00	25.07	<=30	Pass
		12	0	22.08	2.00	24.08	<=30	Pass
			6	21.97	2.00	23.97	<=30	Pass
			13	22.03	2.00	24.03	<=30	Pass
		25	0	22.05	2.00	24.05	<=30	Pass
	1752.5	1	0	22.80	2.00	24.80	<=30	Pass
			13	22.79	2.00	24.79	<=30	Pass
			24	23.02	2.00	25.02	<=30	Pass
		12	0	21.84	2.00	23.84	<=30	Pass
			6	21.72	2.00	23.72	<=30	Pass
			13	21.85	2.00	23.85	<=30	Pass
		25	0	21.84	2.00	23.84	<=30	Pass
16QAM	1712.5	1	0	21.62	2.00	23.62	<=30	Pass
			13	21.64	2.00	23.64	<=30	Pass
			24	21.49	2.00	23.49	<=30	Pass
		12	0	20.47	2.00	22.47	<=30	Pass
			6	20.62	2.00	22.62	<=30	Pass
			13	20.73	2.00	22.73	<=30	Pass
		25	0	20.55	2.00	22.55	<=30	Pass
	1732.5	1	0	22.48	2.00	24.48	<=30	Pass
			13	21.76	2.00	23.76	<=30	Pass
			24	21.83	2.00	23.83	<=30	Pass
		12	0	20.72	2.00	22.72	<=30	Pass
			6	20.69	2.00	22.69	<=30	Pass
			13	20.74	2.00	22.74	<=30	Pass
		25	0	20.77	2.00	22.77	<=30	Pass
	1752.5	1	0	21.89	2.00	23.89	<=30	Pass
			13	21.74	2.00	23.74	<=30	Pass
			24	21.88	2.00	23.88	<=30	Pass
		12	0	20.77	2.00	22.77	<=30	Pass
			6	20.64	2.00	22.64	<=30	Pass
			13	20.77	2.00	22.77	<=30	Pass
		25	0	20.77	2.00	22.77	<=30	Pass



Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.57	2.00	24.57	<=30	Pass
			25	23.19	2.00	25.19	<=30	Pass
			49	23.03	2.00	25.03	<=30	Pass
		25	0	21.75	2.00	23.75	<=30	Pass
			13	21.85	2.00	23.85	<=30	Pass
			25	21.79	2.00	23.79	<=30	Pass
		50	0	21.68	2.00	23.68	<=30	Pass
	1732.5	1	0	23.01	2.00	25.01	<=30	Pass
			25	23.11	2.00	25.11	<=30	Pass
			49	22.96	2.00	24.96	<=30	Pass
		25	0	22.01	2.00	24.01	<=30	Pass
			13	21.91	2.00	23.91	<=30	Pass
			25	21.91	2.00	23.91	<=30	Pass
		50	0	22.02	2.00	24.02	<=30	Pass
	1750	1	0	22.90	2.00	24.90	<=30	Pass
			25	23.20	2.00	25.20	<=30	Pass
			49	23.05	2.00	25.05	<=30	Pass
		25	0	21.90	2.00	23.90	<=30	Pass
			13	21.92	2.00	23.92	<=30	Pass
			25	21.82	2.00	23.82	<=30	Pass
		50	0	21.88	2.00	23.88	<=30	Pass
16QAM	1715	1	0	21.43	2.00	23.43	<=30	Pass
			25	21.99	2.00	23.99	<=30	Pass
			49	21.55	2.00	23.55	<=30	Pass
		25	0	20.79	2.00	22.79	<=30	Pass
			13	20.88	2.00	22.88	<=30	Pass
			25	20.74	2.00	22.74	<=30	Pass
		50	0	20.71	2.00	22.71	<=30	Pass
	1732.5	1	0	21.71	2.00	23.71	<=30	Pass
			25	21.97	2.00	23.97	<=30	Pass
			49	21.66	2.00	23.66	<=30	Pass
		25	0	20.81	2.00	22.81	<=30	Pass
			13	20.95	2.00	22.95	<=30	Pass
			25	20.93	2.00	22.93	<=30	Pass
		50	0	21.05	2.00	23.05	<=30	Pass
	1750	1	0	21.76	2.00	23.76	<=30	Pass
			25	21.97	2.00	23.97	<=30	Pass
			49	21.82	2.00	23.82	<=30	Pass
		25	0	20.95	2.00	22.95	<=30	Pass
			13	21.05	2.00	23.05	<=30	Pass
			25	20.95	2.00	22.95	<=30	Pass
		50	0	20.83	2.00	22.83	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / 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	22.68	2.00	24.68	<=30	Pass
			38	22.87	2.00	24.87	<=30	Pass
			74	23.12	2.00	25.12	<=30	Pass
		36	0	21.82	2.00	23.82	<=30	Pass
			18	21.80	2.00	23.80	<=30	Pass
			39	21.98	2.00	23.98	<=30	Pass
		75	0	21.78	2.00	23.78	<=30	Pass
	1732.5	1	0	23.13	2.00	25.13	<=30	Pass
			38	23.14	2.00	25.14	<=30	Pass
			74	22.92	2.00	24.92	<=30	Pass
		36	0	22.04	2.00	24.04	<=30	Pass
			18	21.99	2.00	23.99	<=30	Pass
			39	21.95	2.00	23.95	<=30	Pass
		75	0	22.02	2.00	24.02	<=30	Pass
	1747.5	1	0	22.96	2.00	24.96	<=30	Pass
			38	23.08	2.00	25.08	<=30	Pass
			74	22.98	2.00	24.98	<=30	Pass
		36	0	21.96	2.00	23.96	<=30	Pass
			18	21.97	2.00	23.97	<=30	Pass
			39	21.87	2.00	23.87	<=30	Pass
		75	0	21.90	2.00	23.90	<=30	Pass
16QAM	1717.5	1	0	21.31	2.00	23.31	<=30	Pass
			38	21.43	2.00	23.43	<=30	Pass
			74	21.77	2.00	23.77	<=30	Pass
		36	0	20.57	2.00	22.57	<=30	Pass
			18	20.71	2.00	22.71	<=30	Pass
			39	20.82	2.00	22.82	<=30	Pass
		75	0	20.81	2.00	22.81	<=30	Pass
	1732.5	1	0	21.79	2.00	23.79	<=30	Pass
			38	21.69	2.00	23.69	<=30	Pass
			74	21.66	2.00	23.66	<=30	Pass
		36	0	20.87	2.00	22.87	<=30	Pass
			18	20.91	2.00	22.91	<=30	Pass
			39	20.86	2.00	22.86	<=30	Pass
		75	0	21.04	2.00	23.04	<=30	Pass
	1747.5	1	0	21.65	2.00	23.65	<=30	Pass
			38	21.71	2.00	23.71	<=30	Pass
			74	21.46	2.00	23.46	<=30	Pass
		36	0	20.71	2.00	22.71	<=30	Pass
			18	20.81	2.00	22.81	<=30	Pass
			39	20.73	2.00	22.73	<=30	Pass
		75	0	20.84	2.00	22.84	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.64	2.00	24.64	<=30	Pass
			50	23.04	2.00	25.04	<=30	Pass
			99	23.03	2.00	25.03	<=30	Pass
		50	0	21.73	2.00	23.73	<=30	Pass
			25	21.94	2.00	23.94	<=30	Pass
			50	22.02	2.00	24.02	<=30	Pass
		100	0	21.89	2.00	23.89	<=30	Pass
	1732.5	1	0	23.00	2.00	25.00	<=30	Pass
			50	23.14	2.00	25.14	<=30	Pass
			99	22.95	2.00	24.95	<=30	Pass
		50	0	22.00	2.00	24.00	<=30	Pass
			25	21.97	2.00	23.97	<=30	Pass
			50	21.89	2.00	23.89	<=30	Pass
		100	0	22.11	2.00	24.11	<=30	Pass
	1745	1	0	23.06	2.00	25.06	<=30	Pass
			50	23.39	2.00	25.39	<=30	Pass
			99	22.97	2.00	24.97	<=30	Pass
		50	0	22.05	2.00	24.05	<=30	Pass
			25	21.99	2.00	23.99	<=30	Pass
			50	21.82	2.00	23.82	<=30	Pass
		100	0	21.82	2.00	23.82	<=30	Pass
16QAM	1720	1	0	21.36	2.00	23.36	<=30	Pass
			50	21.76	2.00	23.76	<=30	Pass
			99	21.73	2.00	23.73	<=30	Pass
		50	0	20.71	2.00	22.71	<=30	Pass
			25	20.92	2.00	22.92	<=30	Pass
			50	20.93	2.00	22.93	<=30	Pass
		100	0	20.78	2.00	22.78	<=30	Pass
	1732.5	1	0	21.68	2.00	23.68	<=30	Pass
			50	21.74	2.00	23.74	<=30	Pass
			99	21.54	2.00	23.54	<=30	Pass
		50	0	20.88	2.00	22.88	<=30	Pass
			25	20.84	2.00	22.84	<=30	Pass
			50	20.72	2.00	22.72	<=30	Pass
		100	0	20.84	2.00	22.84	<=30	Pass
	1745	1	0	21.78	2.00	23.78	<=30	Pass
			50	21.94	2.00	23.94	<=30	Pass
			99	21.72	2.00	23.72	<=30	Pass
		50	0	20.79	2.00	22.79	<=30	Pass
			25	20.94	2.00	22.94	<=30	Pass
			50	20.87	2.00	22.87	<=30	Pass
		100	0	20.83	2.00	22.83	<=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	3.30	2.400	0.0014	-2.5 to 2.5	Pass
					3.80	4.200	0.0024	-2.5 to 2.5	Pass
					4.30	2.000	0.0012	-2.5 to 2.5	Pass
				-30	3.80	3.500	0.0020	-2.5 to 2.5	Pass
				-20	3.80	2.700	0.0016	-2.5 to 2.5	Pass
				-10	3.80	-0.500	-0.0003	-2.5 to 2.5	Pass
				0	3.80	2.500	0.0014	-2.5 to 2.5	Pass
				10	3.80	1.000	0.0006	-2.5 to 2.5	Pass
				30	3.80	2.300	0.0013	-2.5 to 2.5	Pass
				40	3.80	-0.500	-0.0003	-2.5 to 2.5	Pass
				50	3.80	2.700	0.0016	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.086	/	Pass
	16QAM	1732.5	6	0	1.088	/	Pass
3	QPSK	1732.5	15	0	2.684	/	Pass
	16QAM	1732.5	15	0	2.682	/	Pass
5	QPSK	1732.5	25	0	4.506	/	Pass
	16QAM	1732.5	25	0	4.506	/	Pass
10	QPSK	1732.5	50	0	8.960	/	Pass
	16QAM	1732.5	50	0	8.926	/	Pass
15	QPSK	1732.5	75	0	13.407	/	Pass
	16QAM	1732.5	75	0	13.449	/	Pass
20	QPSK	1732.5	100	0	17.857	/	Pass
	16QAM	1732.5	100	0	17.877	/	Pass

3.1.2 Band4_XDB

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.258	/	Pass
	16QAM	1732.5	6	0	1.258	/	Pass
3	QPSK	1732.5	15	0	2.904	/	Pass
	16QAM	1732.5	15	0	2.937	/	Pass



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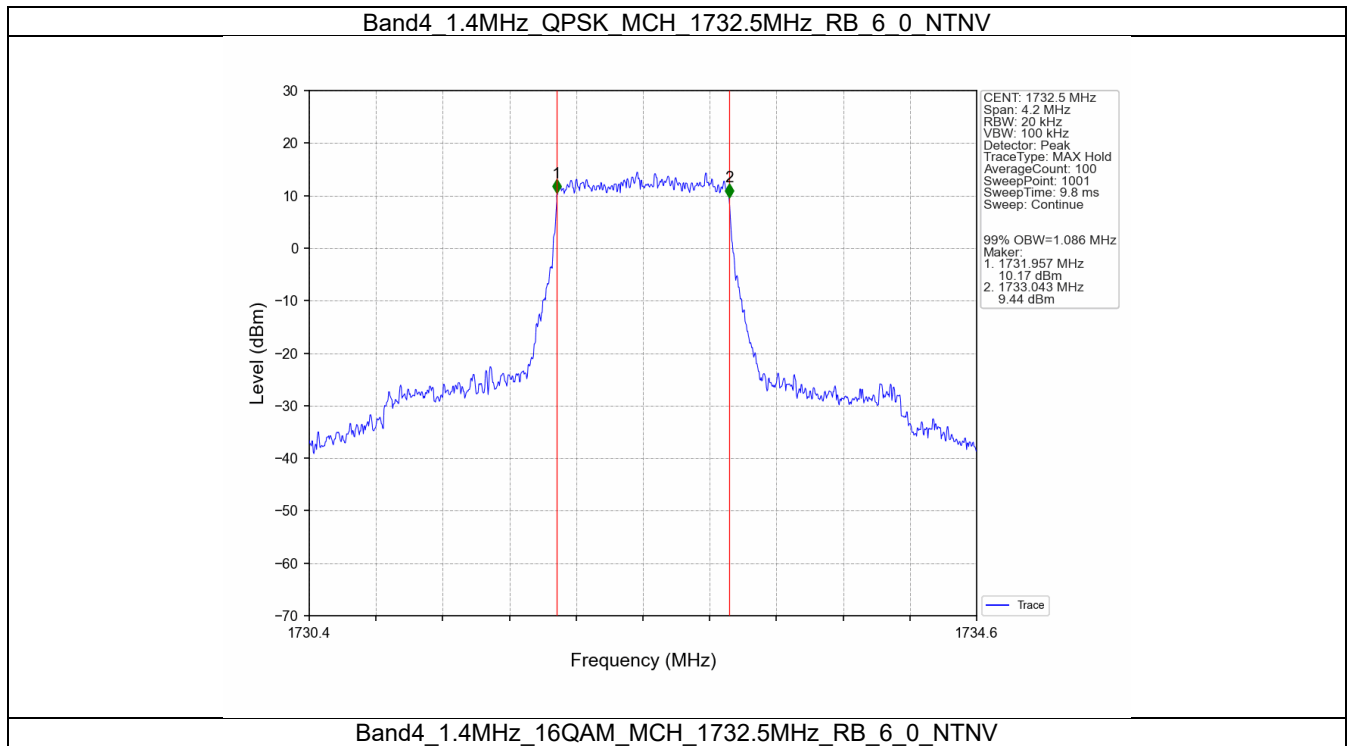
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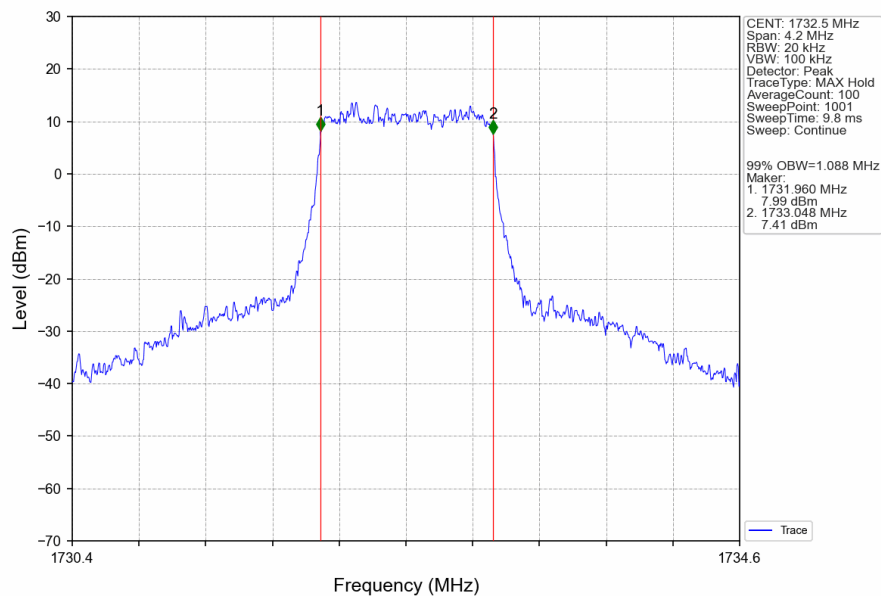
5	QPSK	1732.5	25	0	5.001	/	Pass
	16QAM	1732.5	25	0	4.997	/	Pass
10	QPSK	1732.5	50	0	9.675	/	Pass
	16QAM	1732.5	50	0	9.531	/	Pass
15	QPSK	1732.5	75	0	14.492	/	Pass
	16QAM	1732.5	75	0	14.663	/	Pass
20	QPSK	1732.5	100	0	19.050	/	Pass
	16QAM	1732.5	100	0	19.046	/	Pass



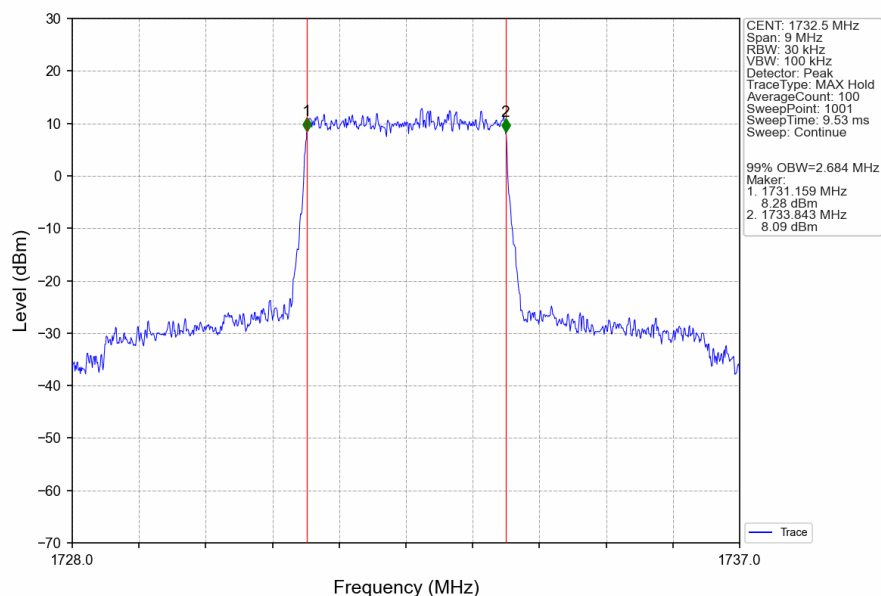
3.2 Test Graph

3.2.1 Band4_OBW

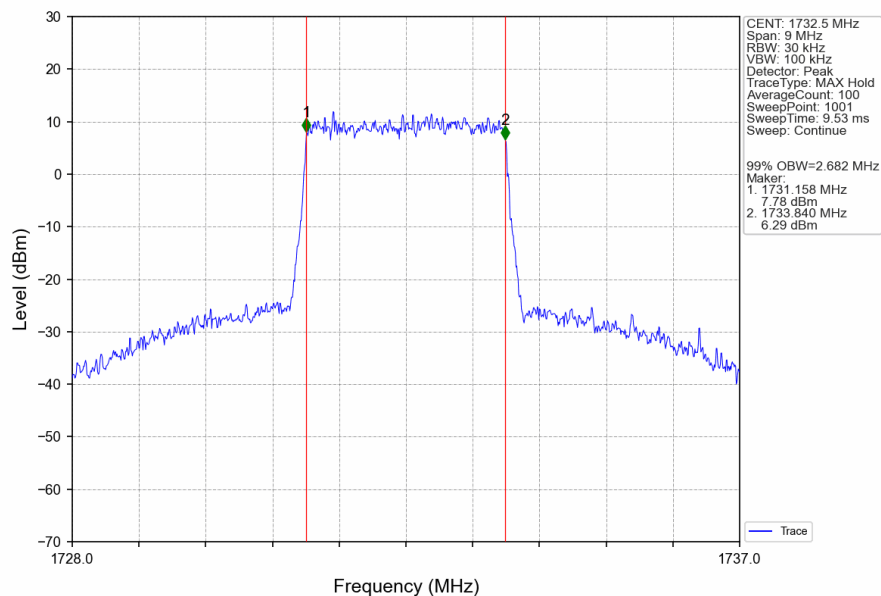




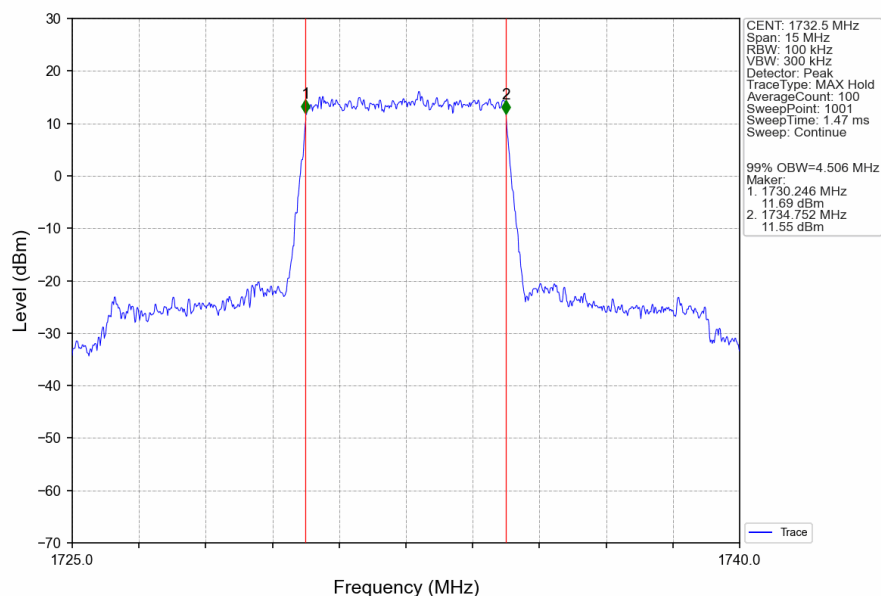
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



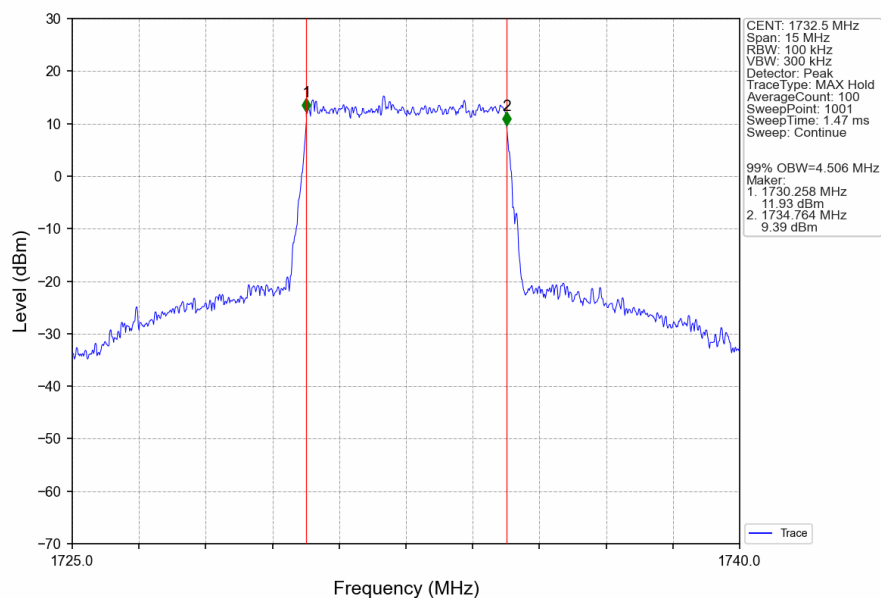
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



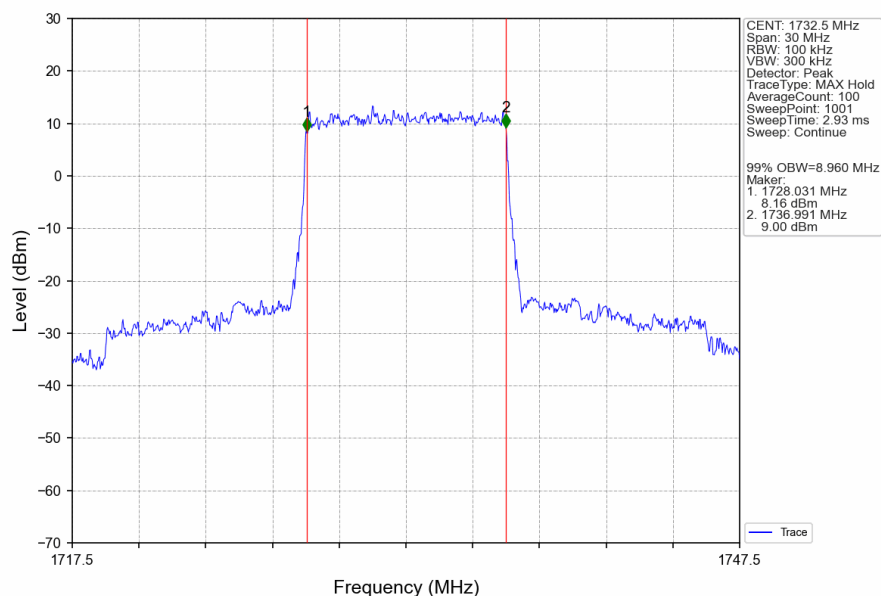
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



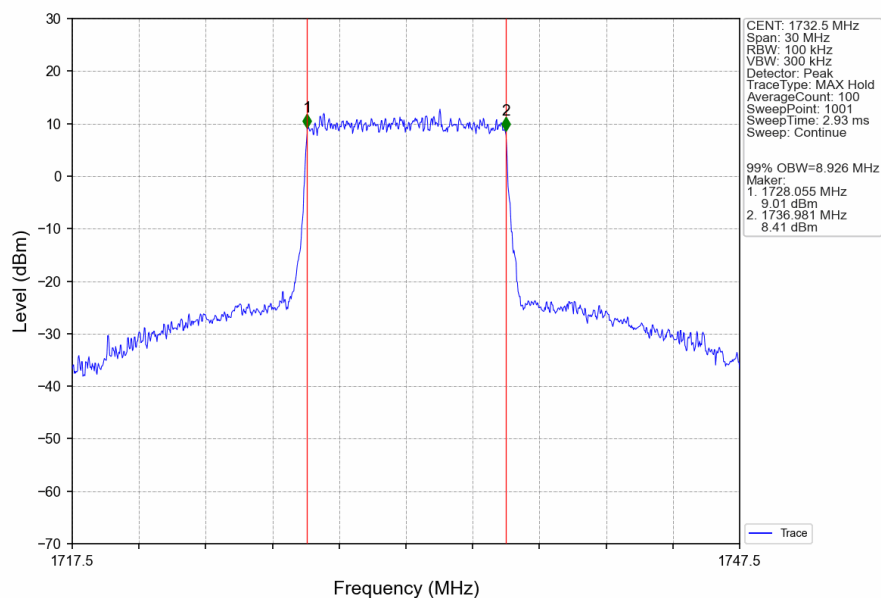
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



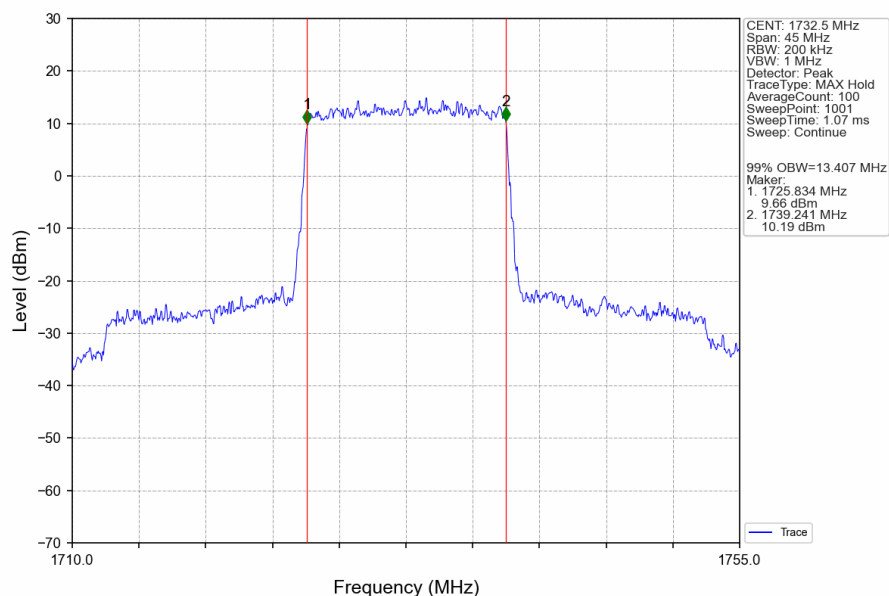
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



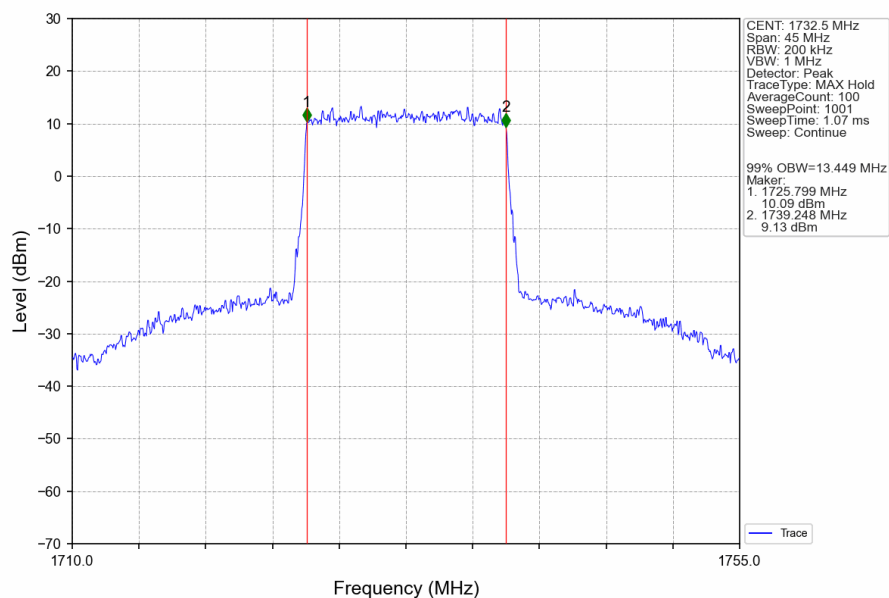
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



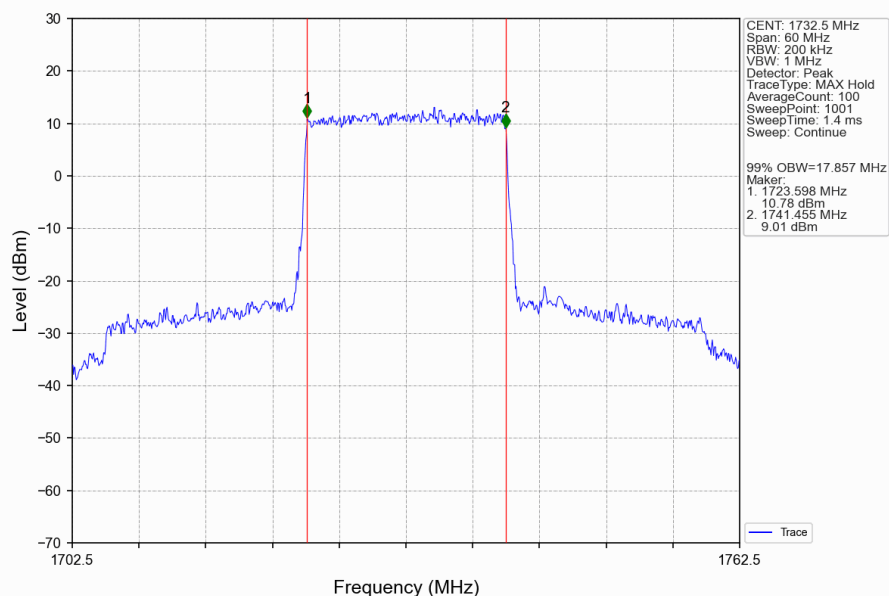
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



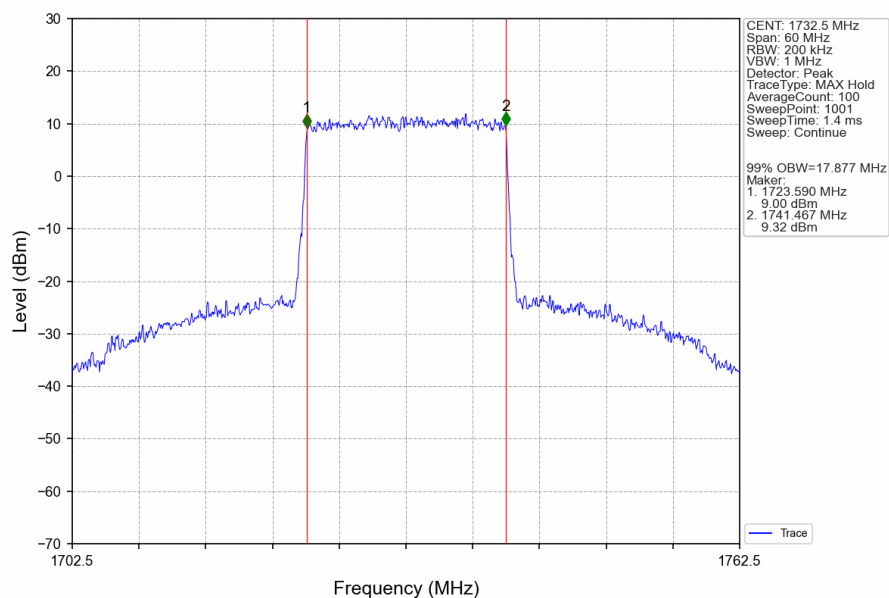
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



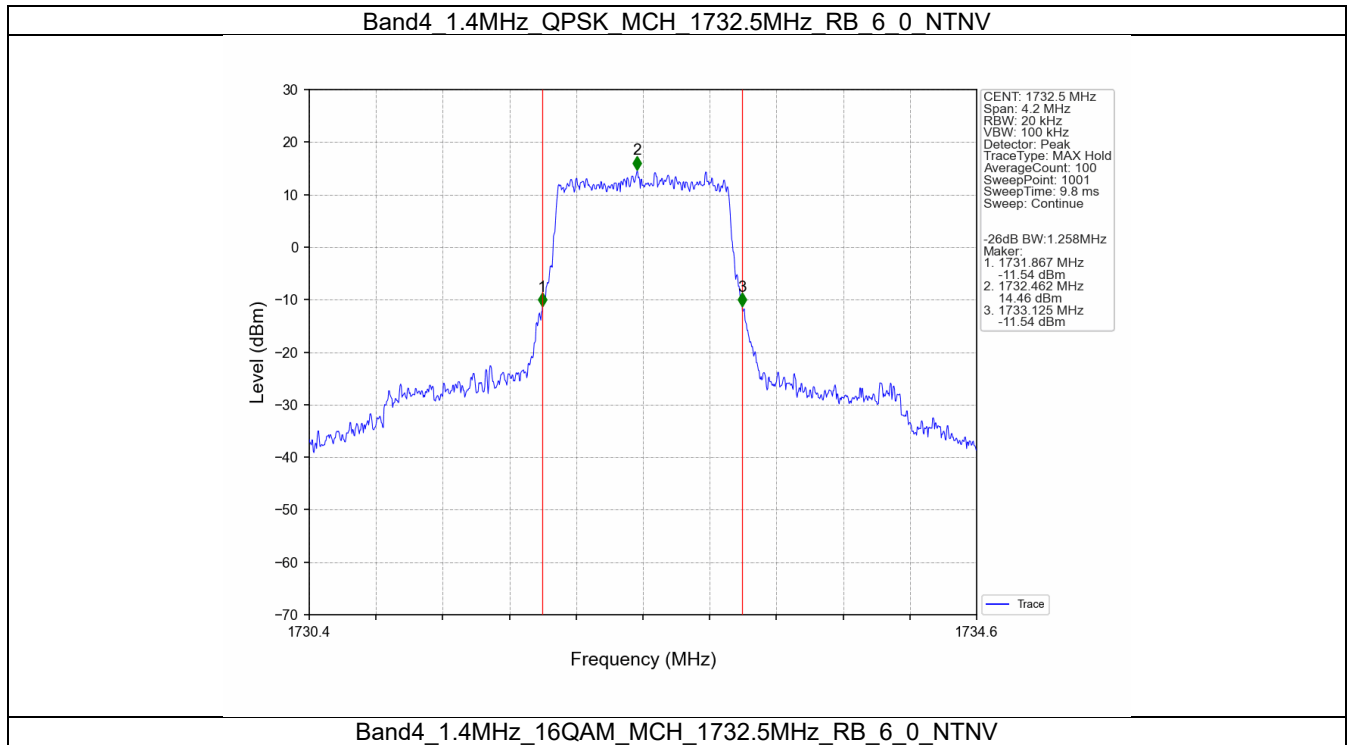
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

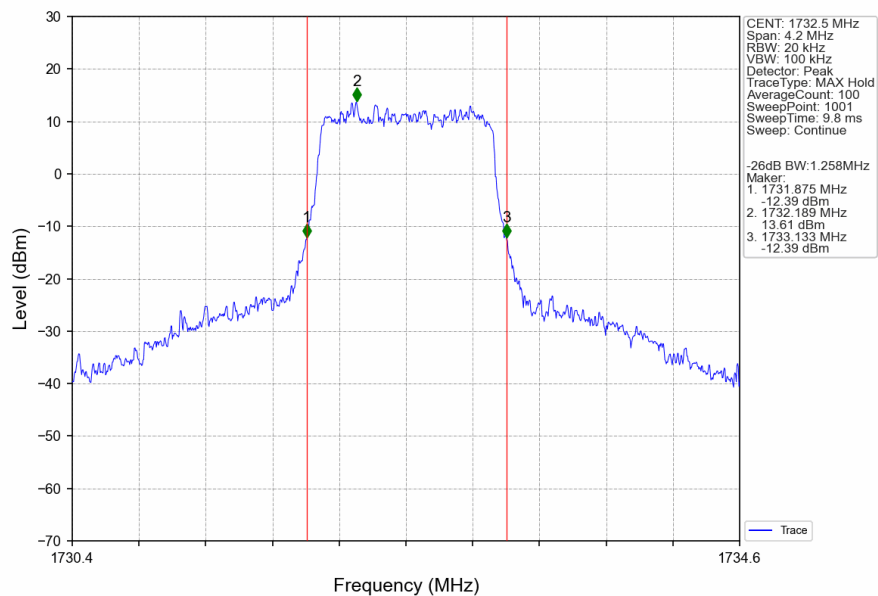


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

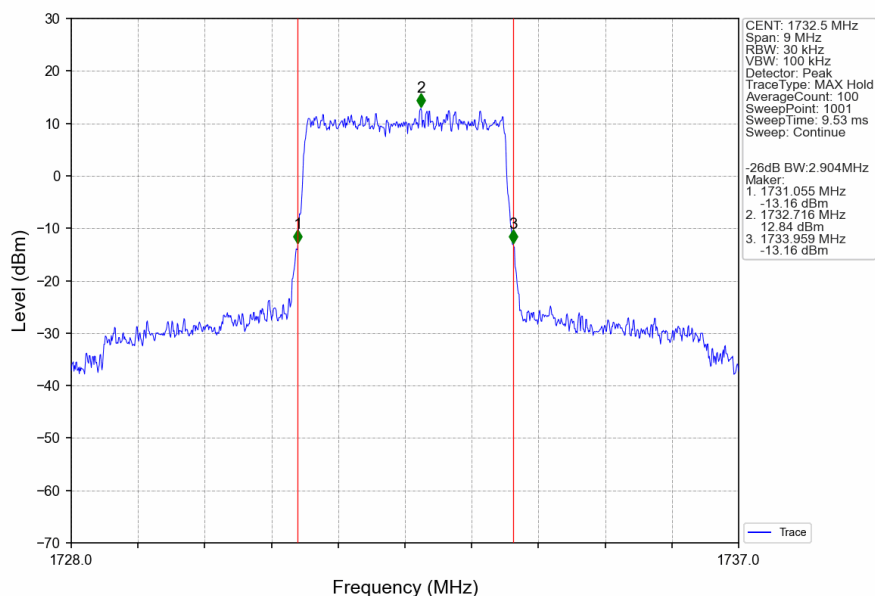


3.2.2 Band4_XDB

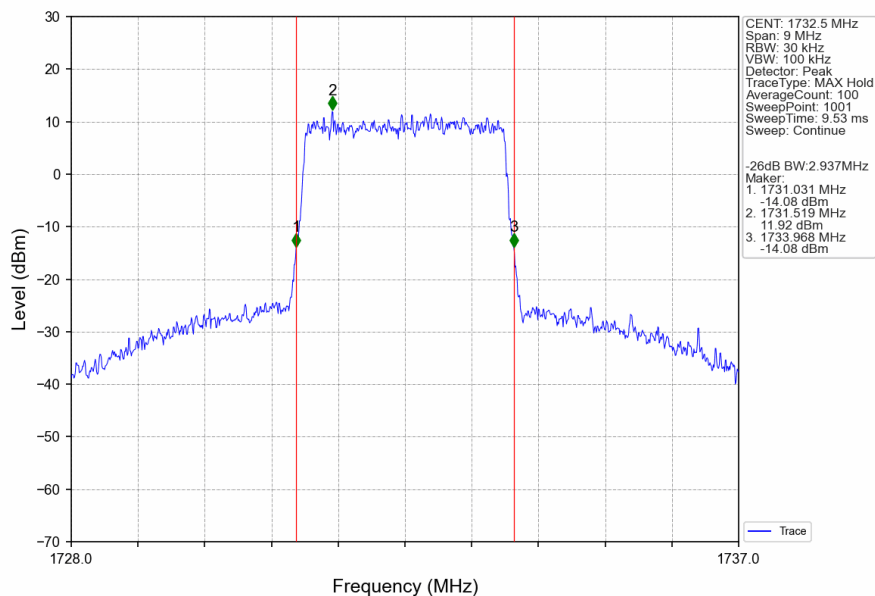




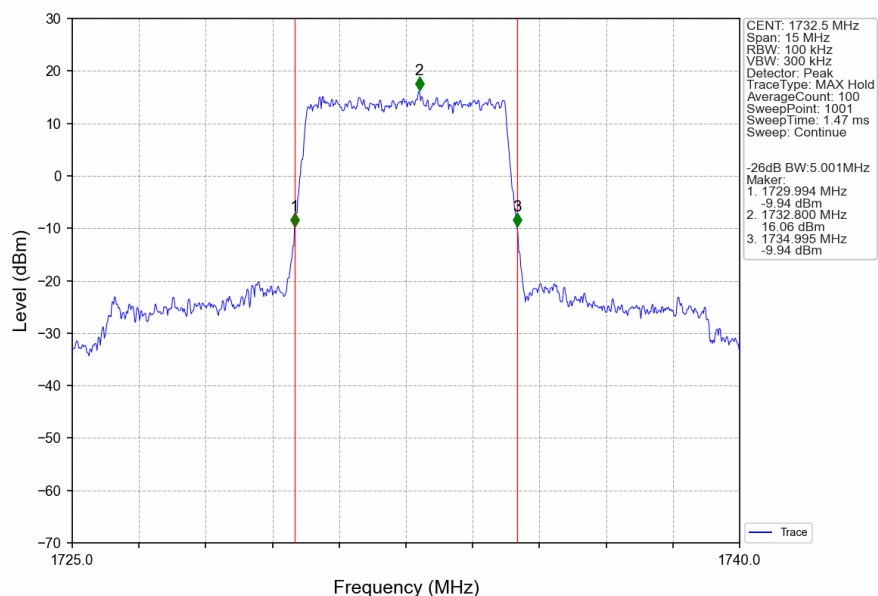
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



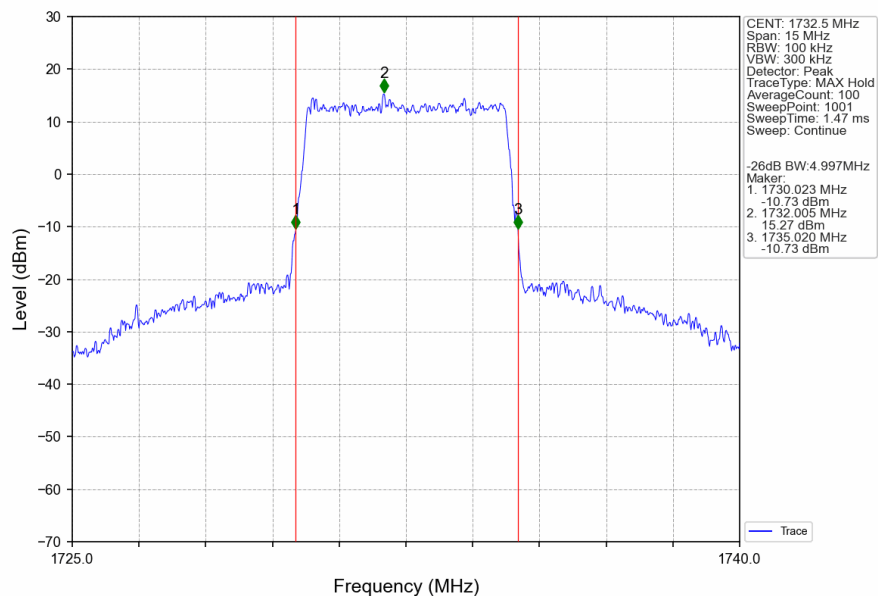
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTN



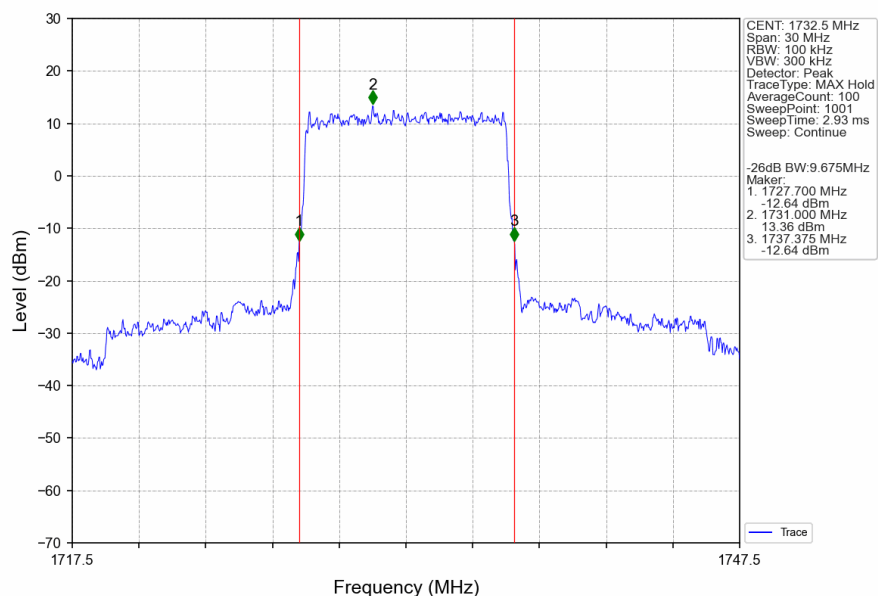
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



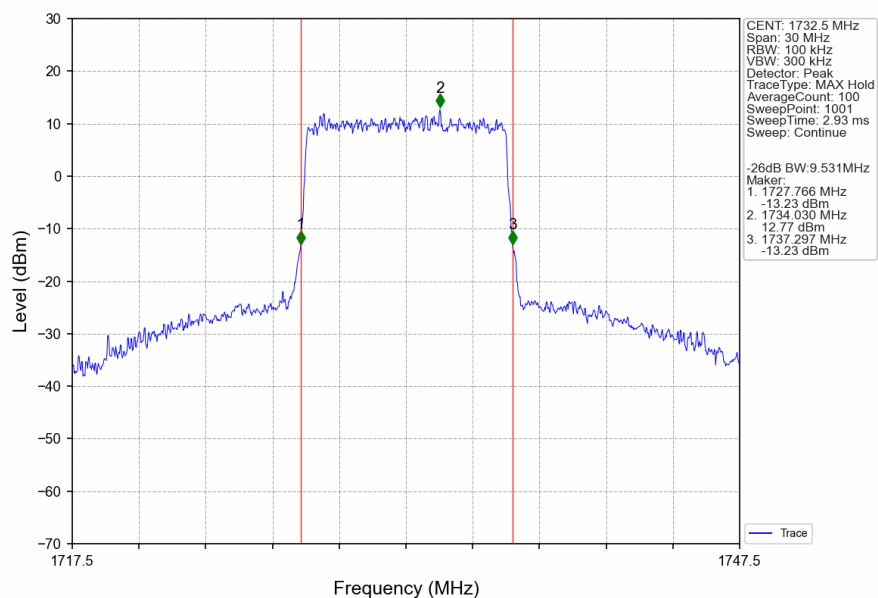
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTN



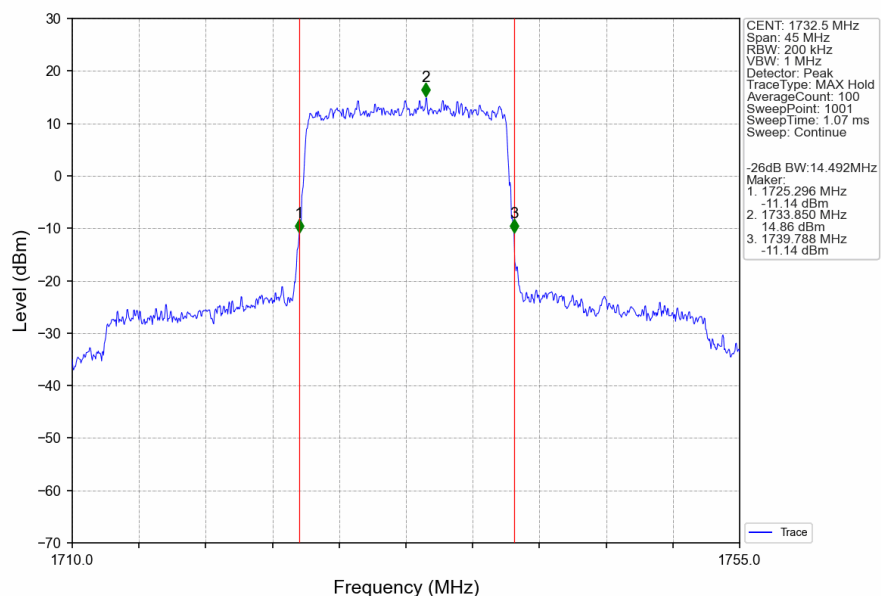
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



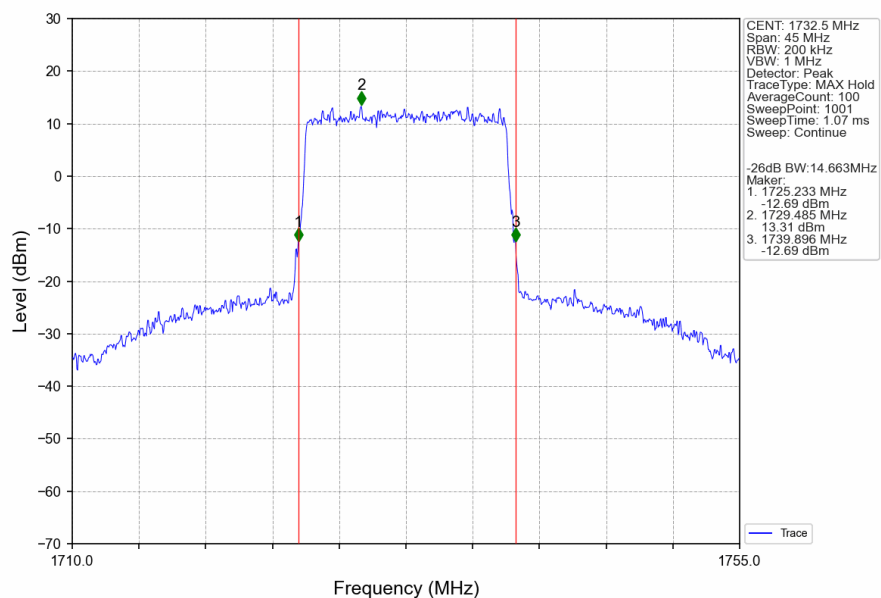
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



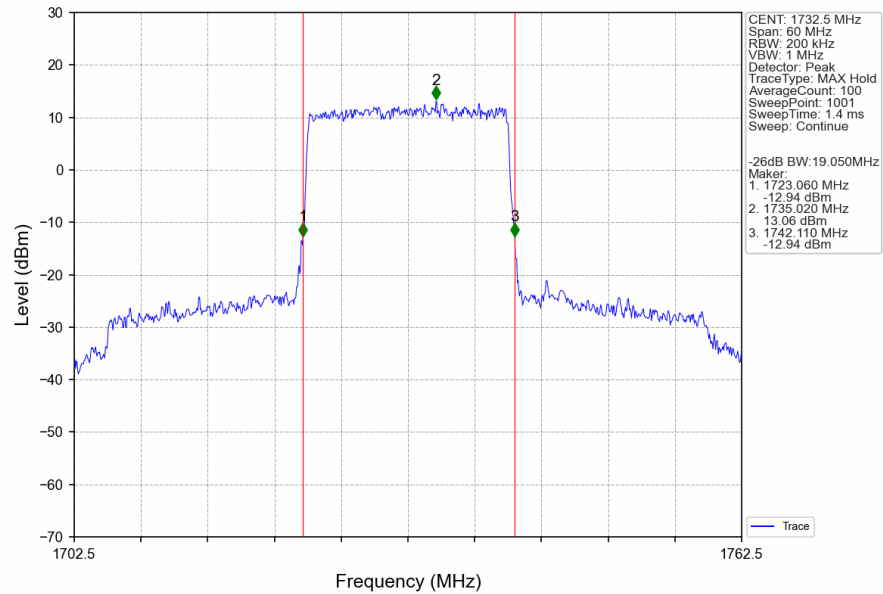
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



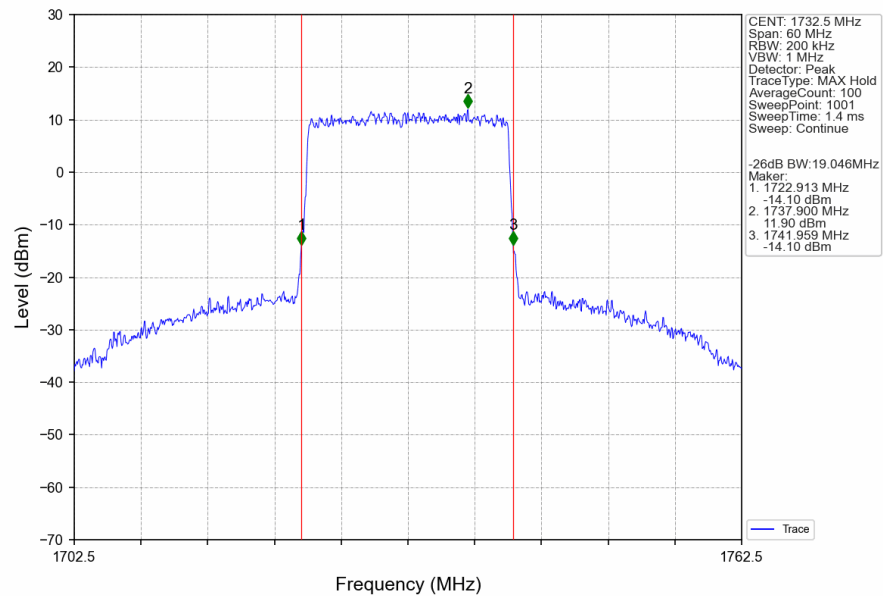
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

4.1 Test Result

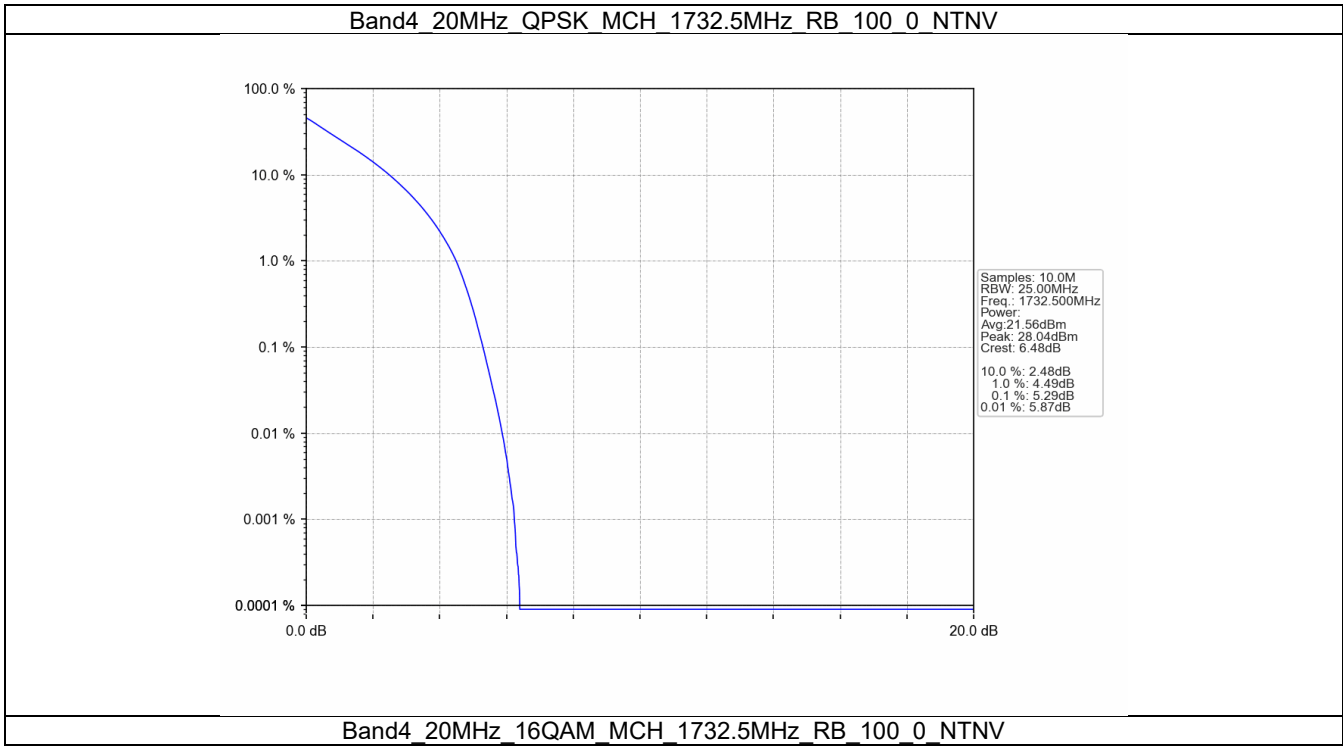
4.1.1 B4_20MHz

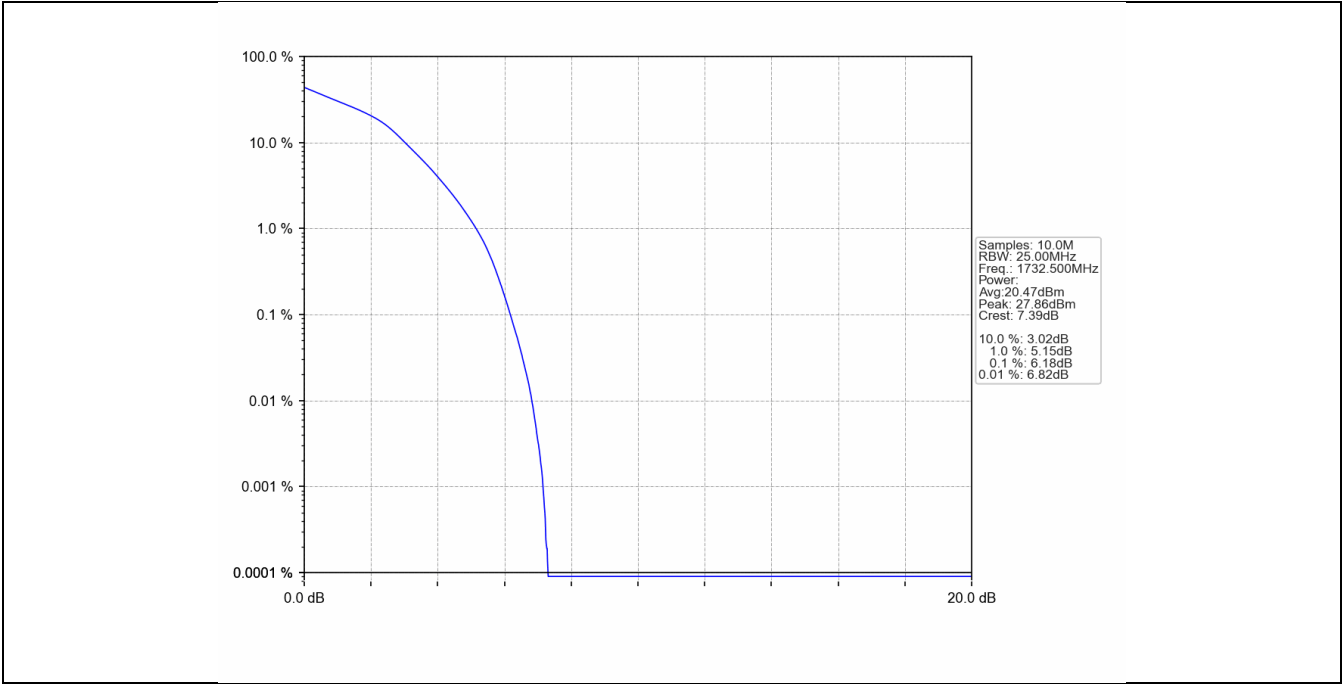
Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.29	<=13	Pass
16QAM	1732.5	100	0	6.18	<=13	Pass



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 / NTV						
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 / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict



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	(MHz)	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

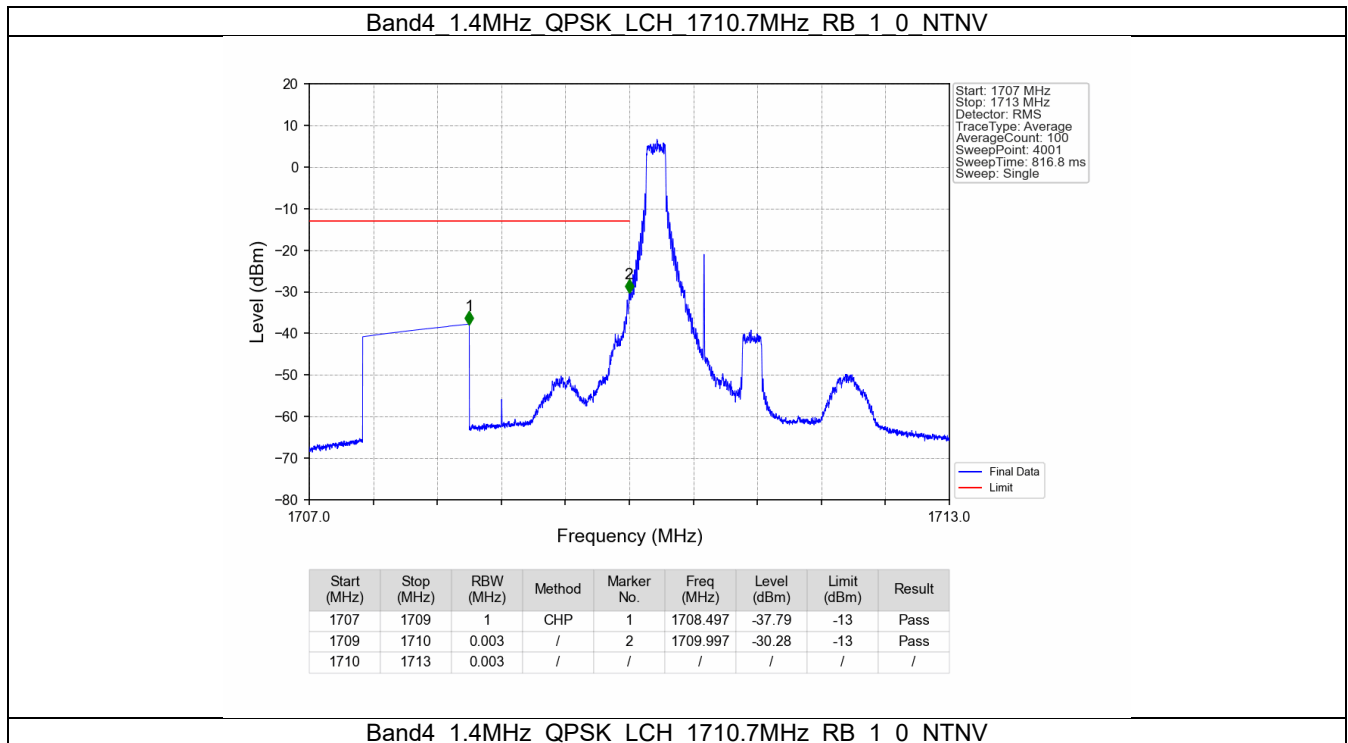
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1747.5	1	0	Refer To Test Graph	
	74			Refer To Test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

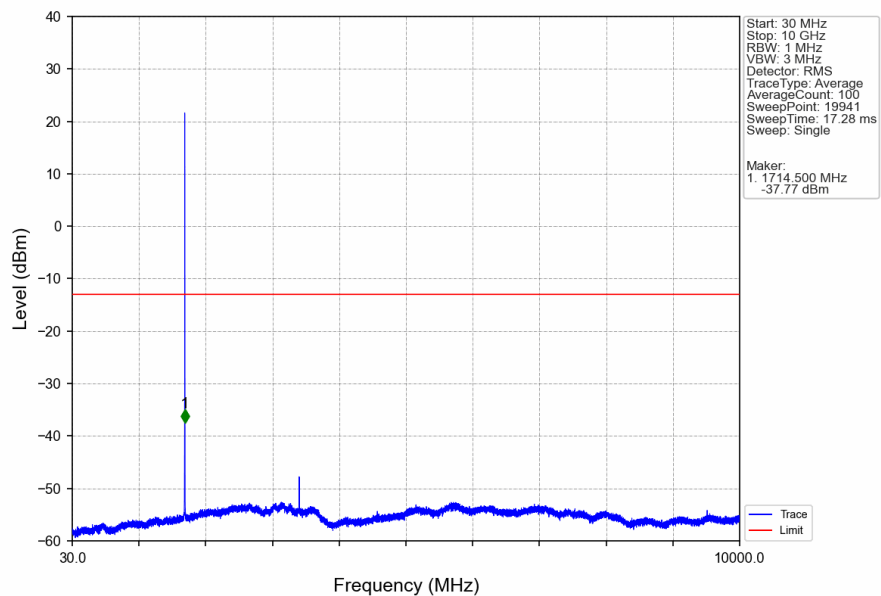
5.1.6 B4_20MHz

Band: 4 / 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
	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

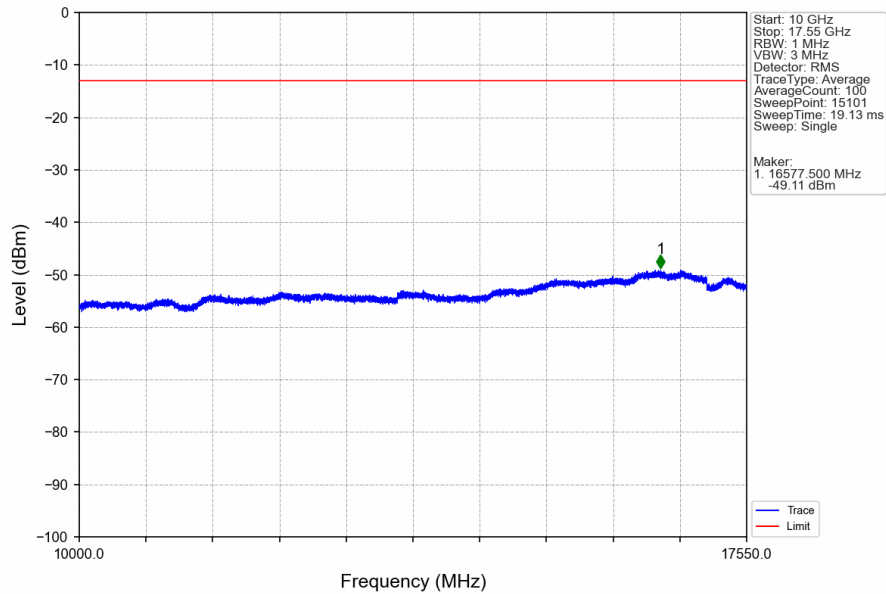
5.2 Test Graph

5.2.1 B4_1.4MHz

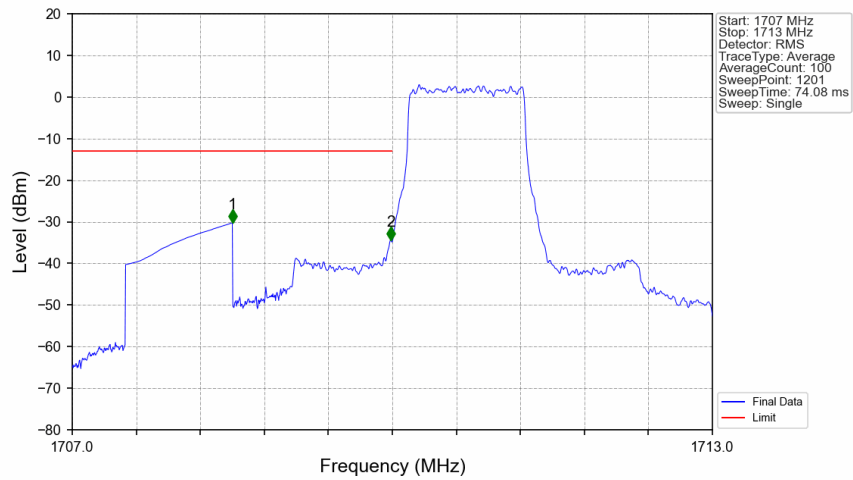




Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

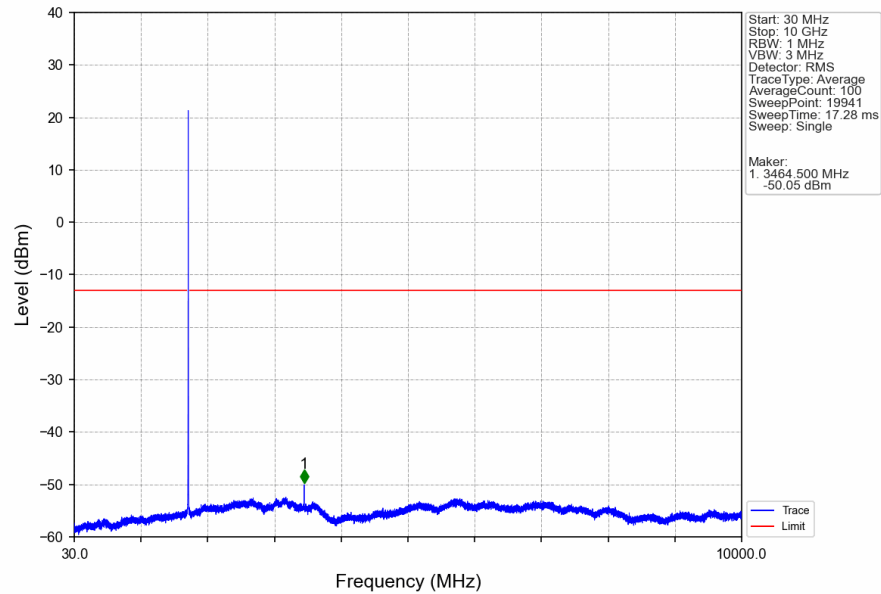


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

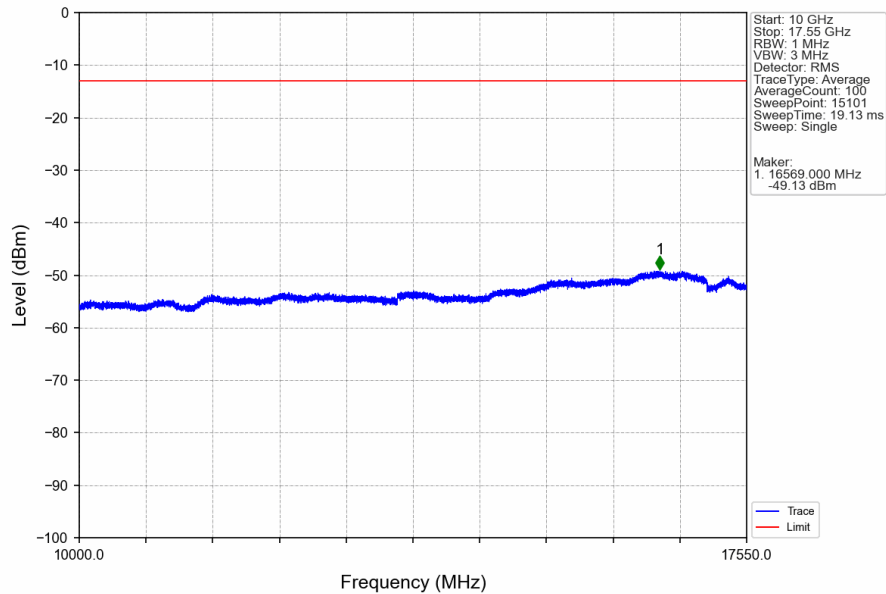


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-30.24	-13	Pass
1709	1710	0.013	CHP	2	1709.985	-34.44	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

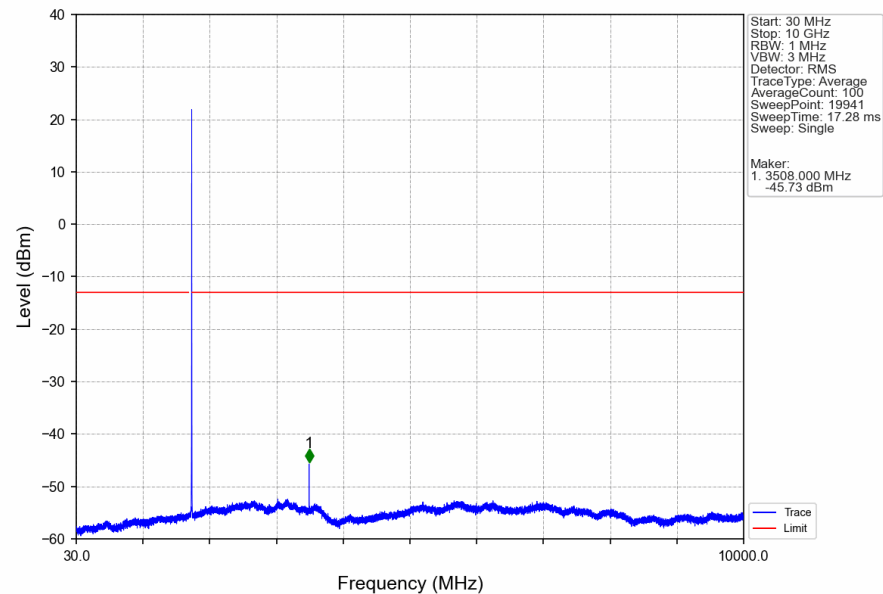
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



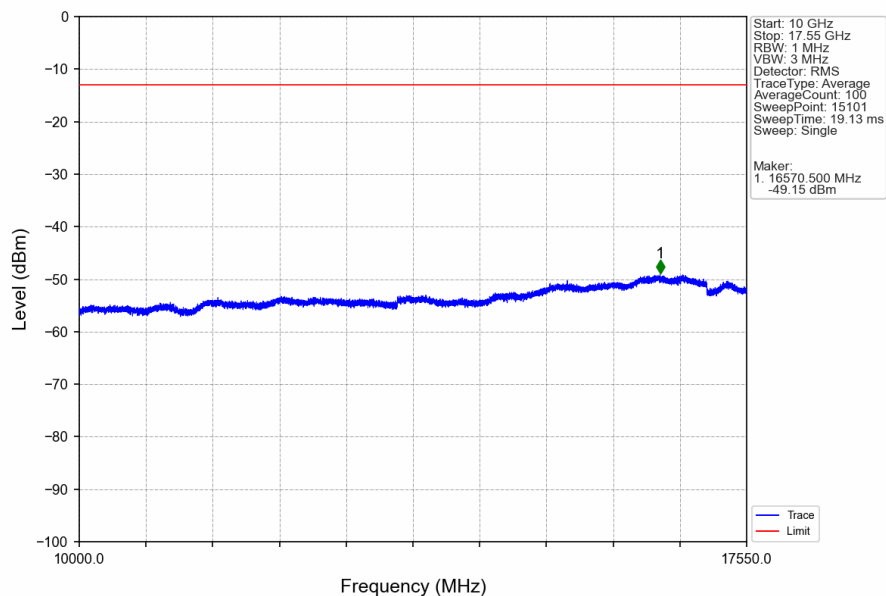
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



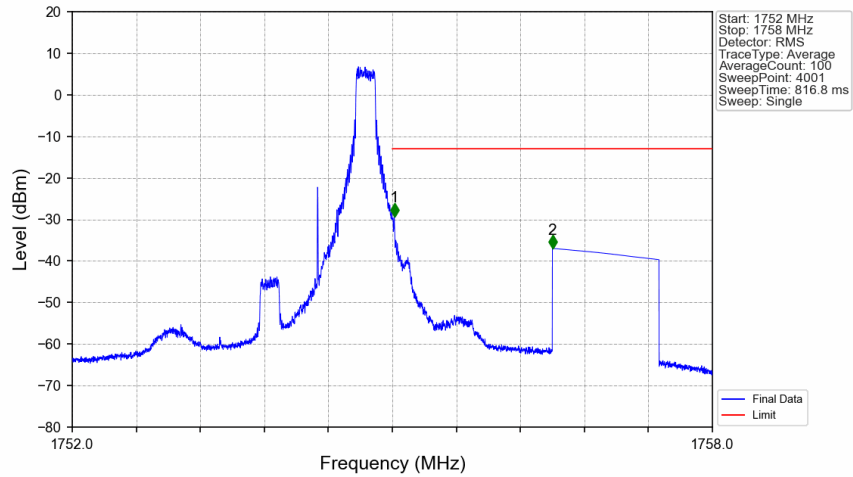
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

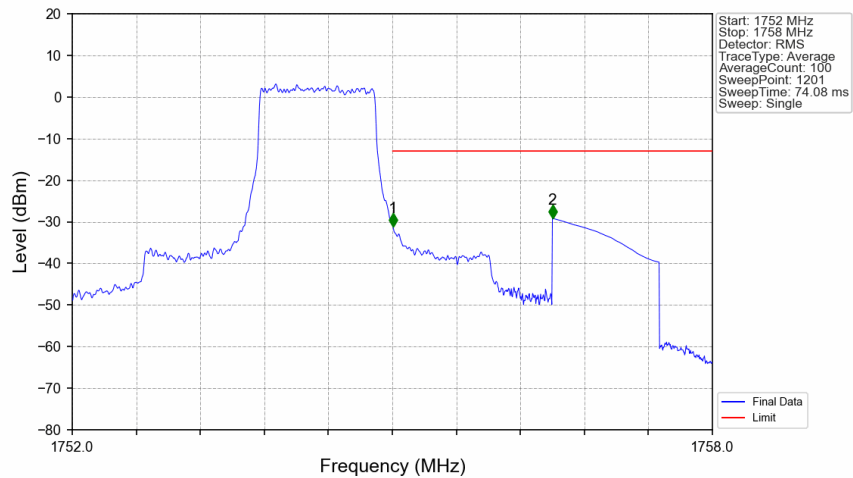


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTNV



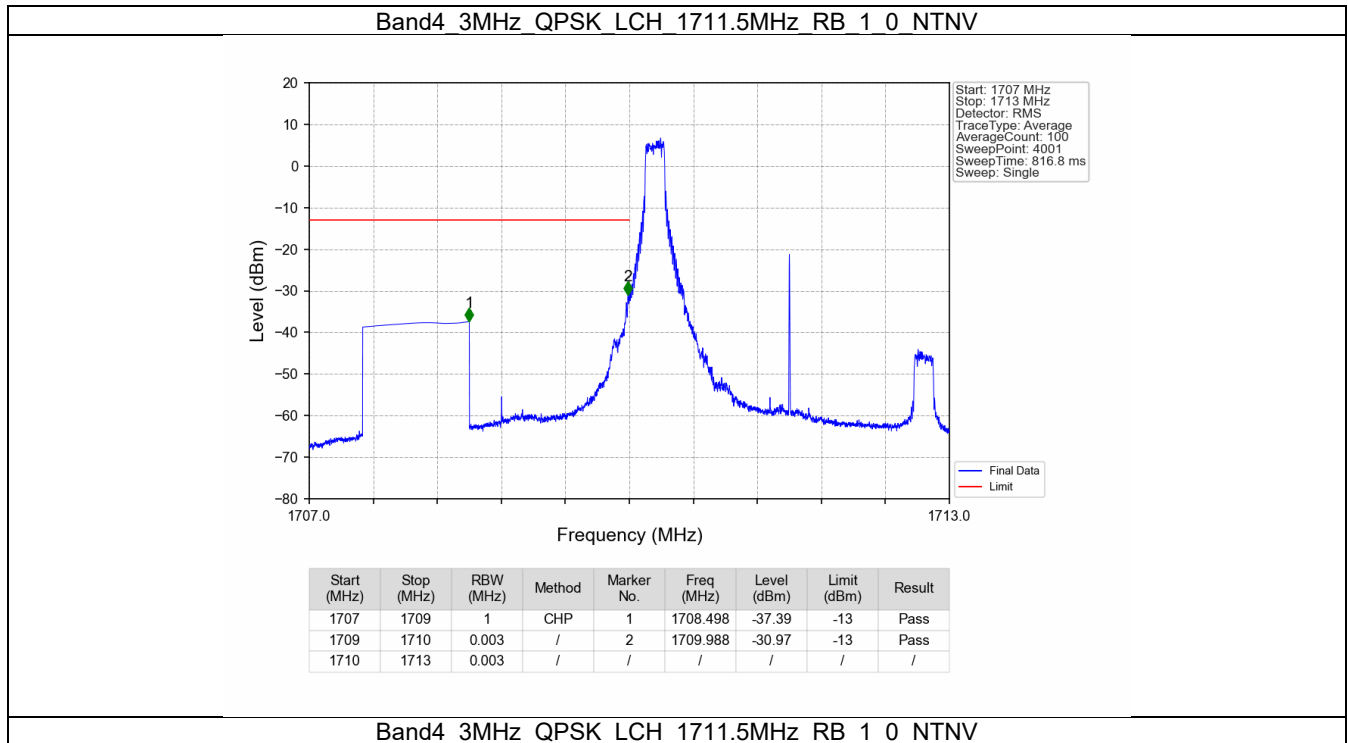
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-29.22	-13	Pass
1756	1758	1	CHP	2	1756.500	-36.98	-13	Pass

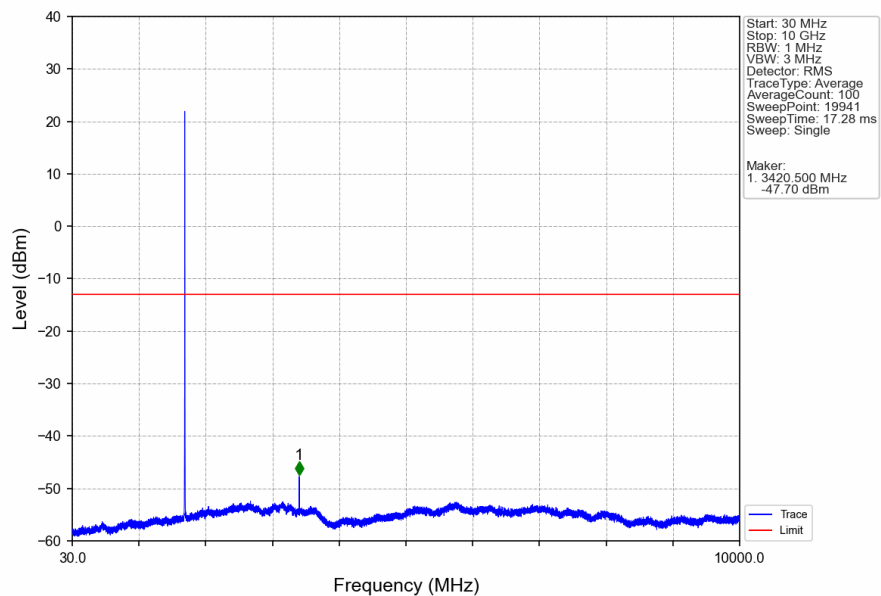
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



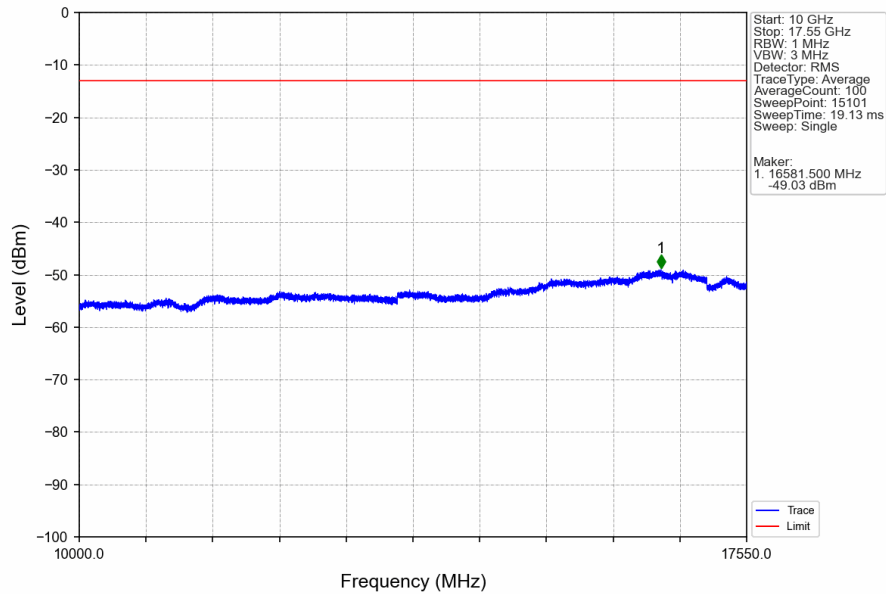
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-31.08	-13	Pass
1756	1758	1	CHP	2	1756.500	-29.17	-13	Pass

5.2.2 B4_3MHz

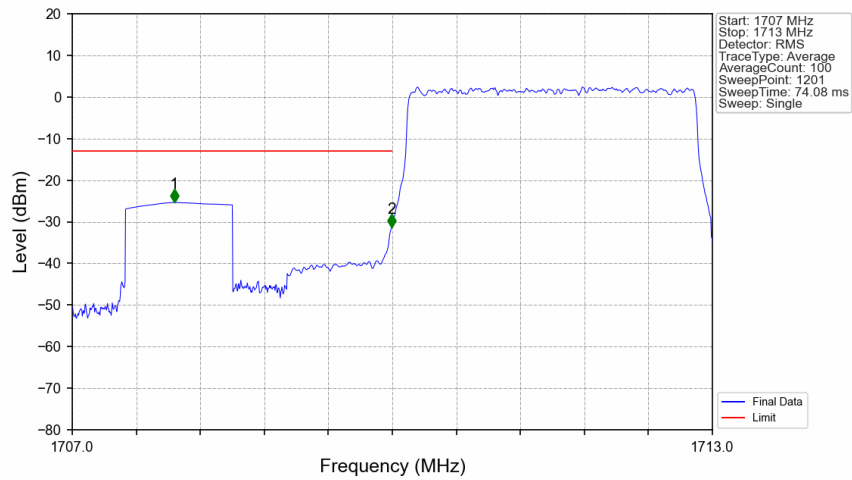




Band4 3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

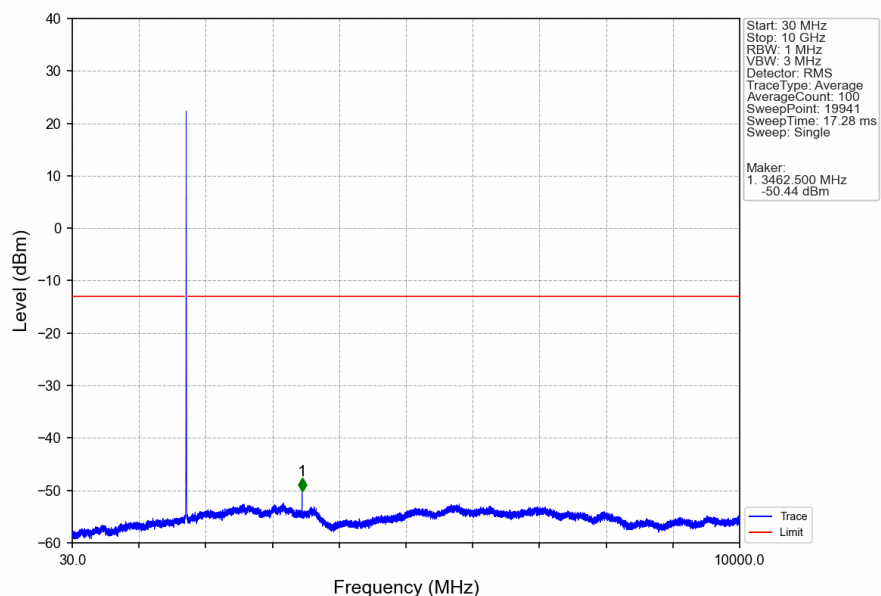


Band4 3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

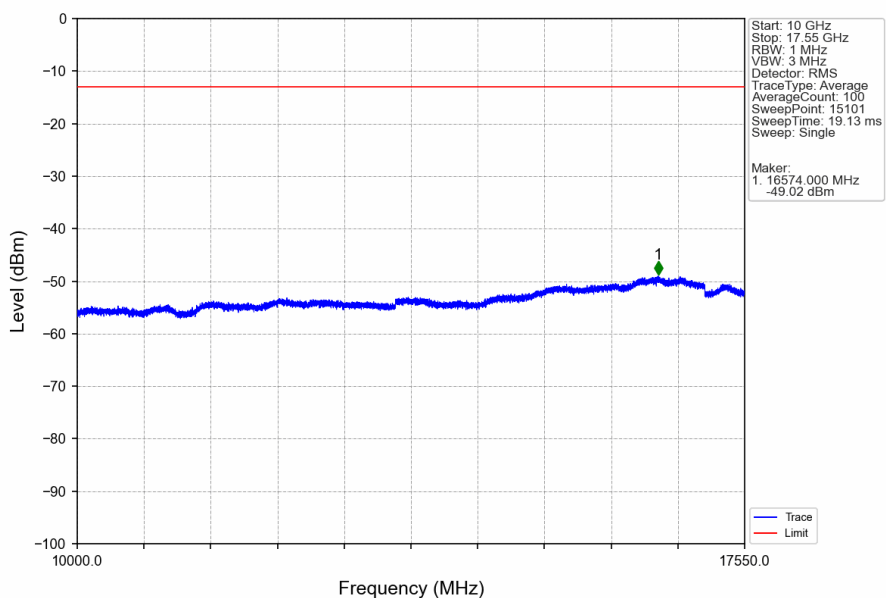


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.955	-25.35	-13	Pass
1709	1710	0.029	CHP	2	1709.995	-31.30	-13	Pass
1710	1713	0.029	CHP	/	/	/	/	/

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

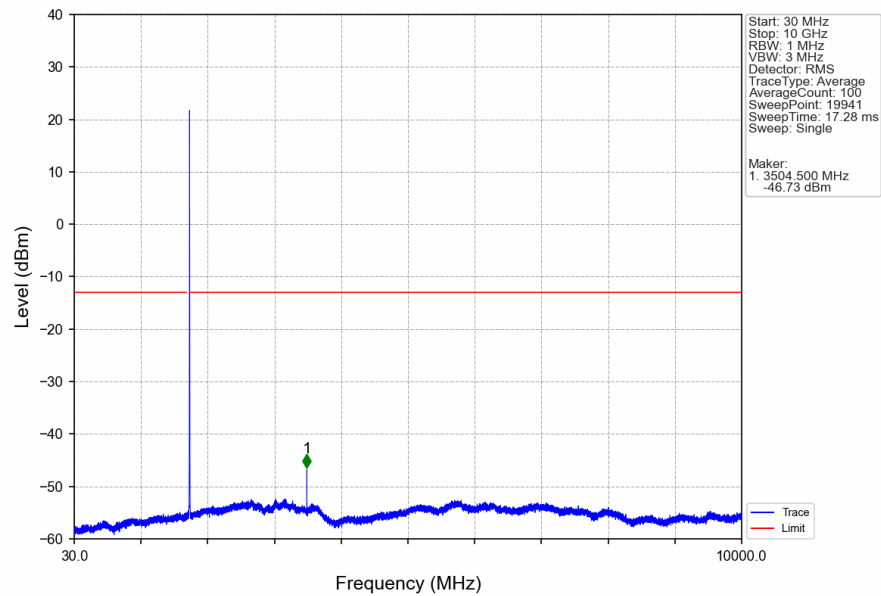


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

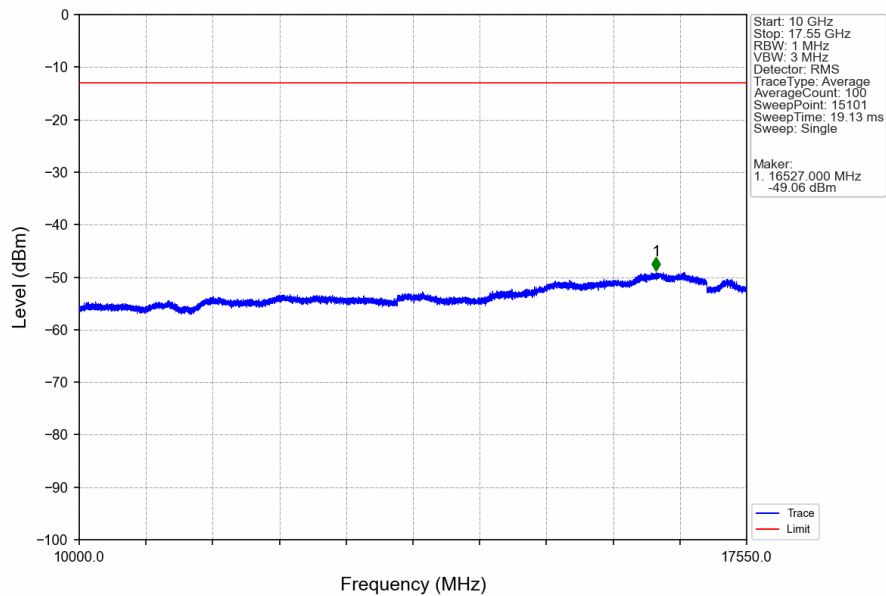




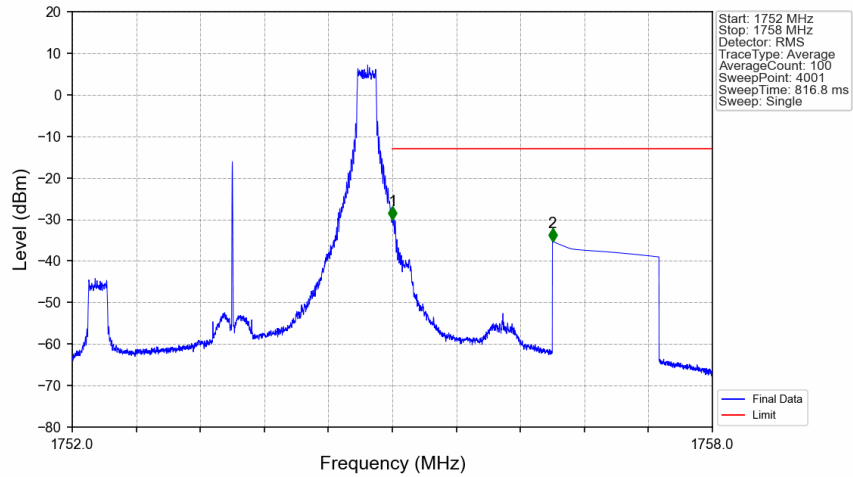
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

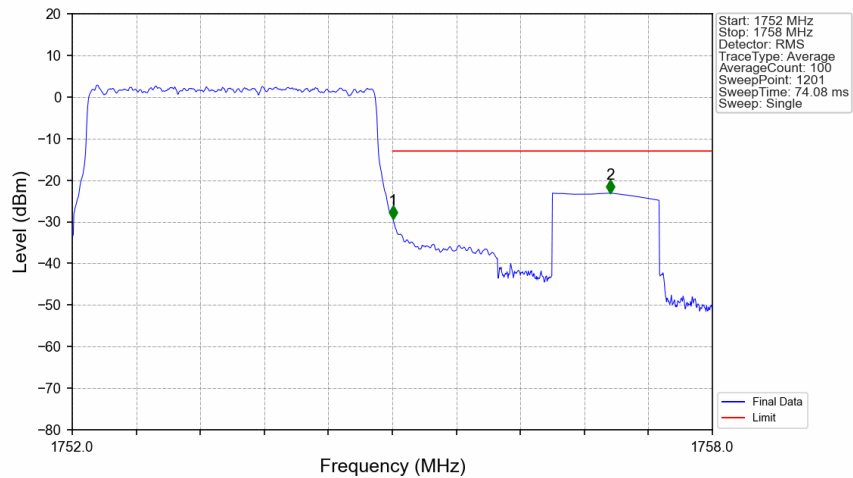


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



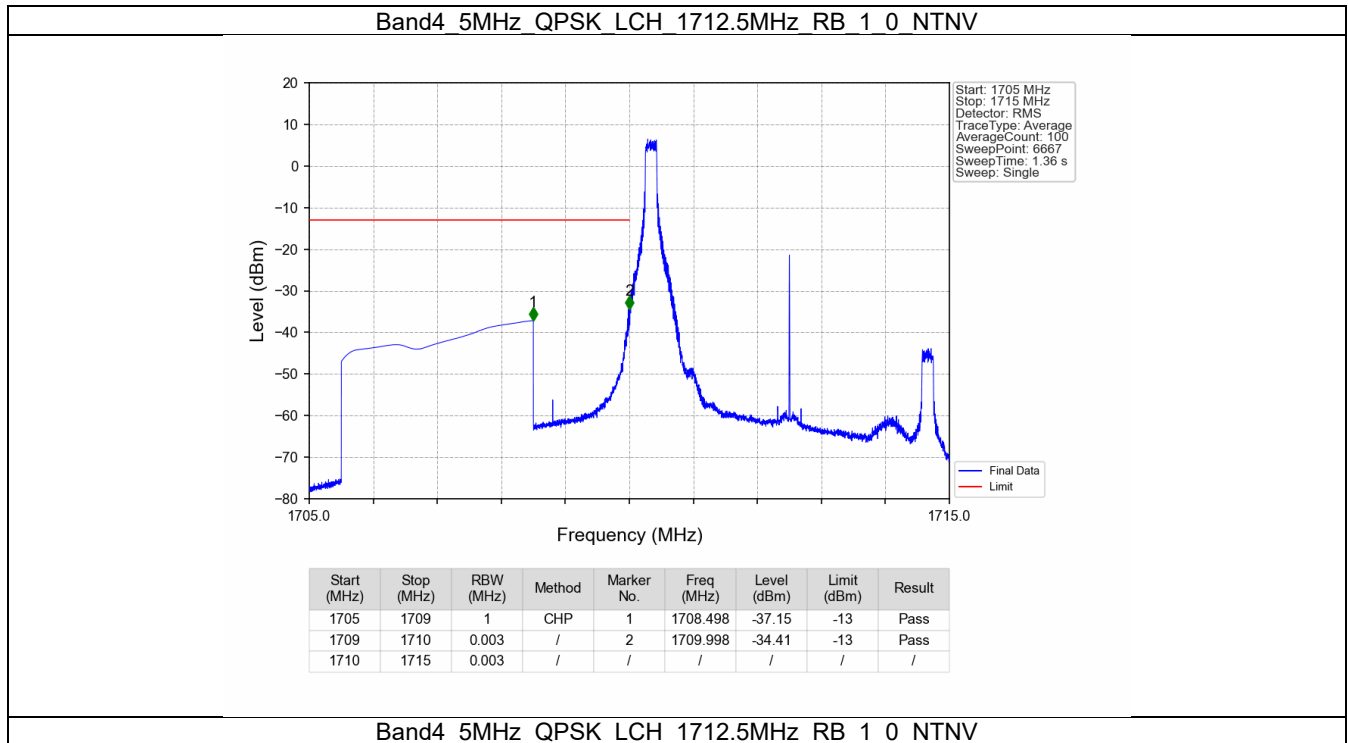
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-29.97	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.29	-13	Pass

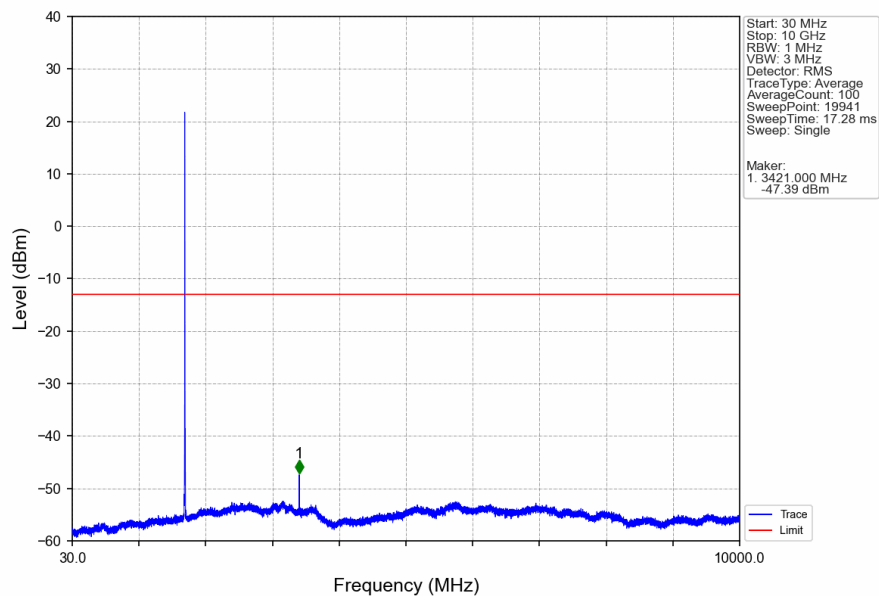
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



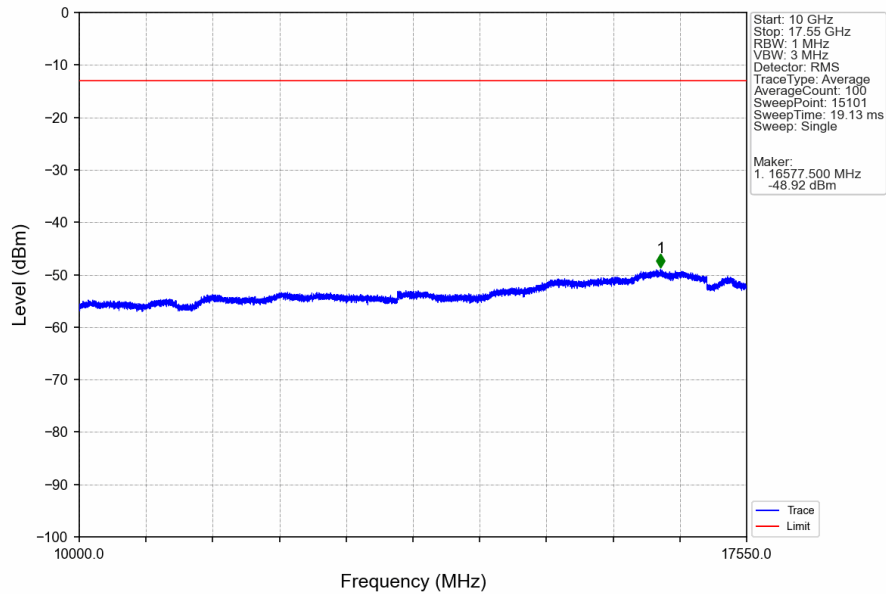
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.029	CHP	/	/	/	/	/
1755	1756	0.029	CHP	1	1755.005	-29.28	-13	Pass
1756	1758	1	CHP	2	1757.045	-23.12	-13	Pass

5.2.3 B4_5MHz

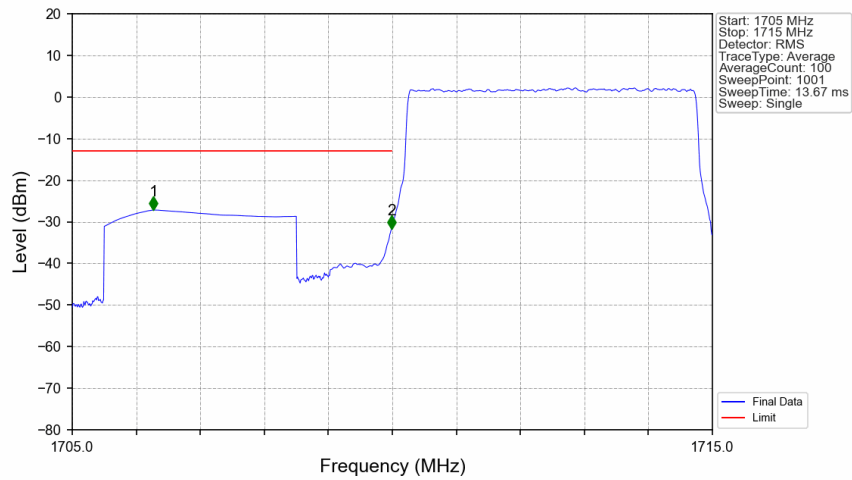




Band4 5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

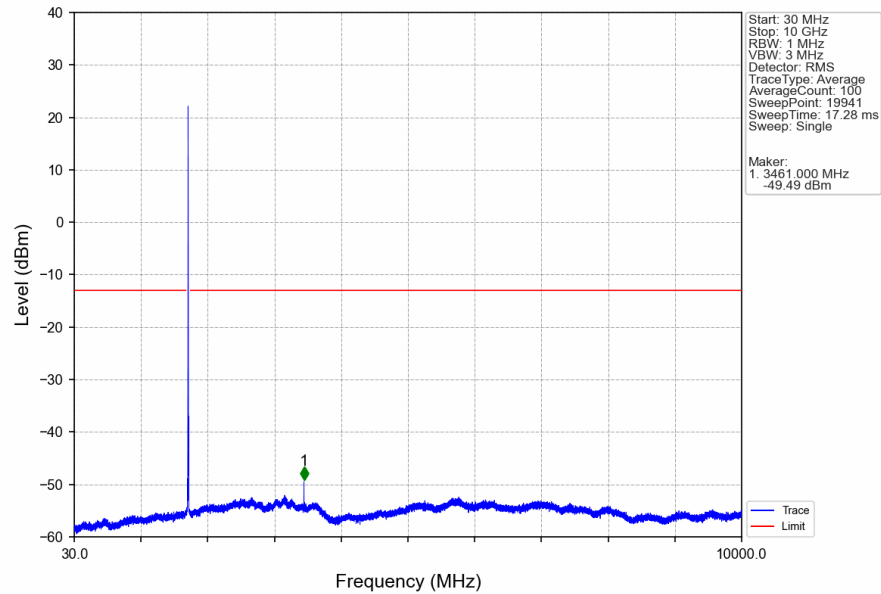


Band4 5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

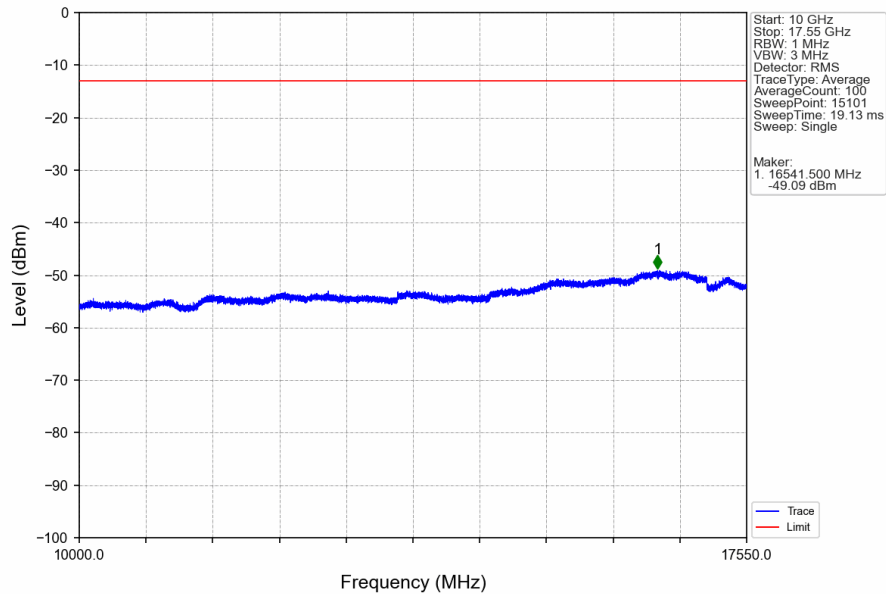


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.270	-27.19	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-31.63	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

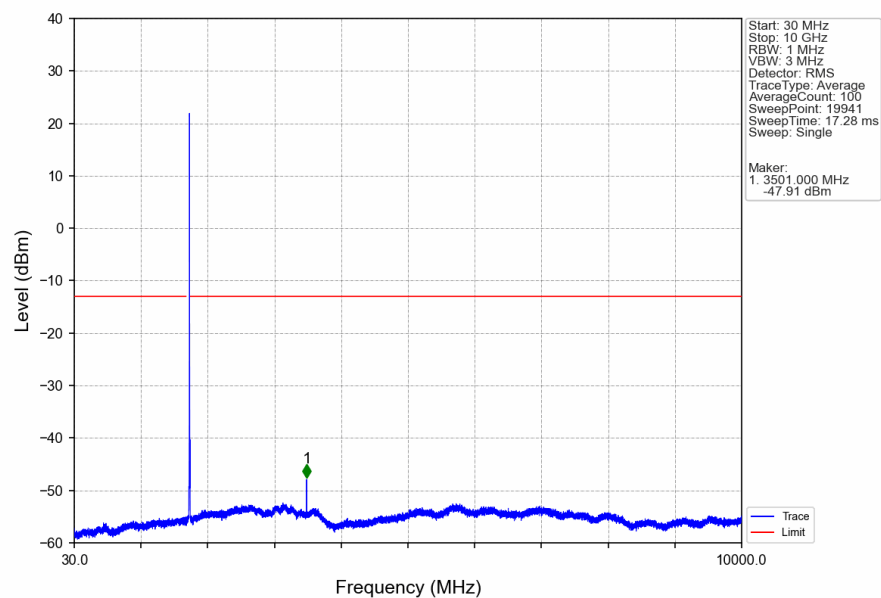
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



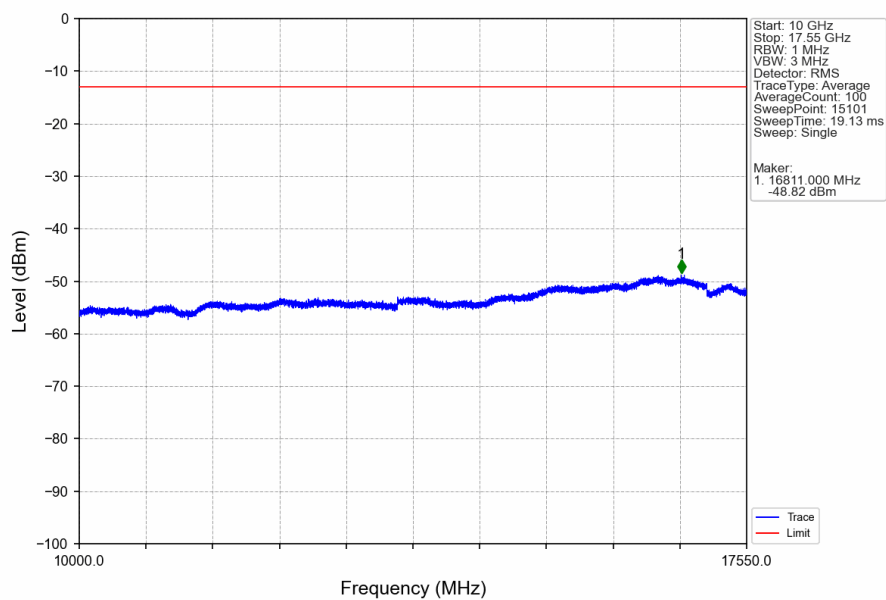
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



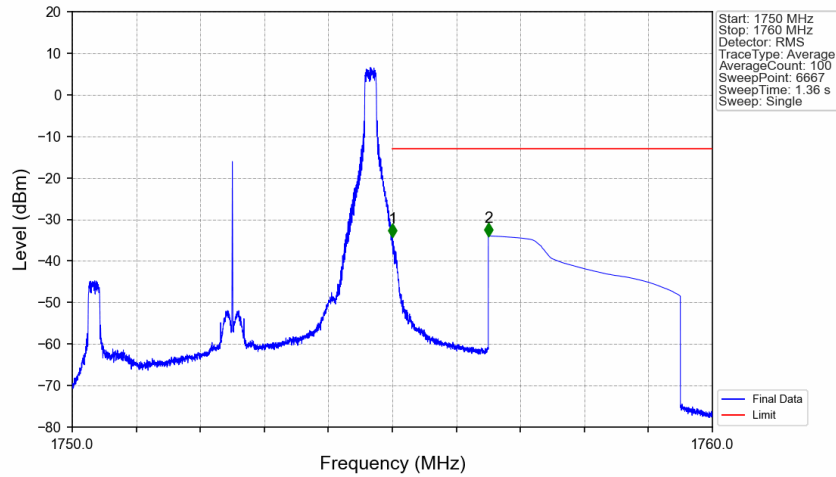
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

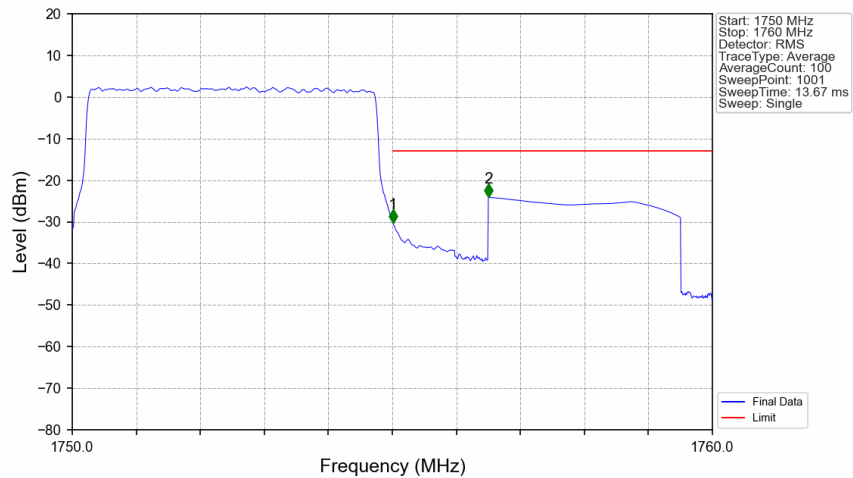


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



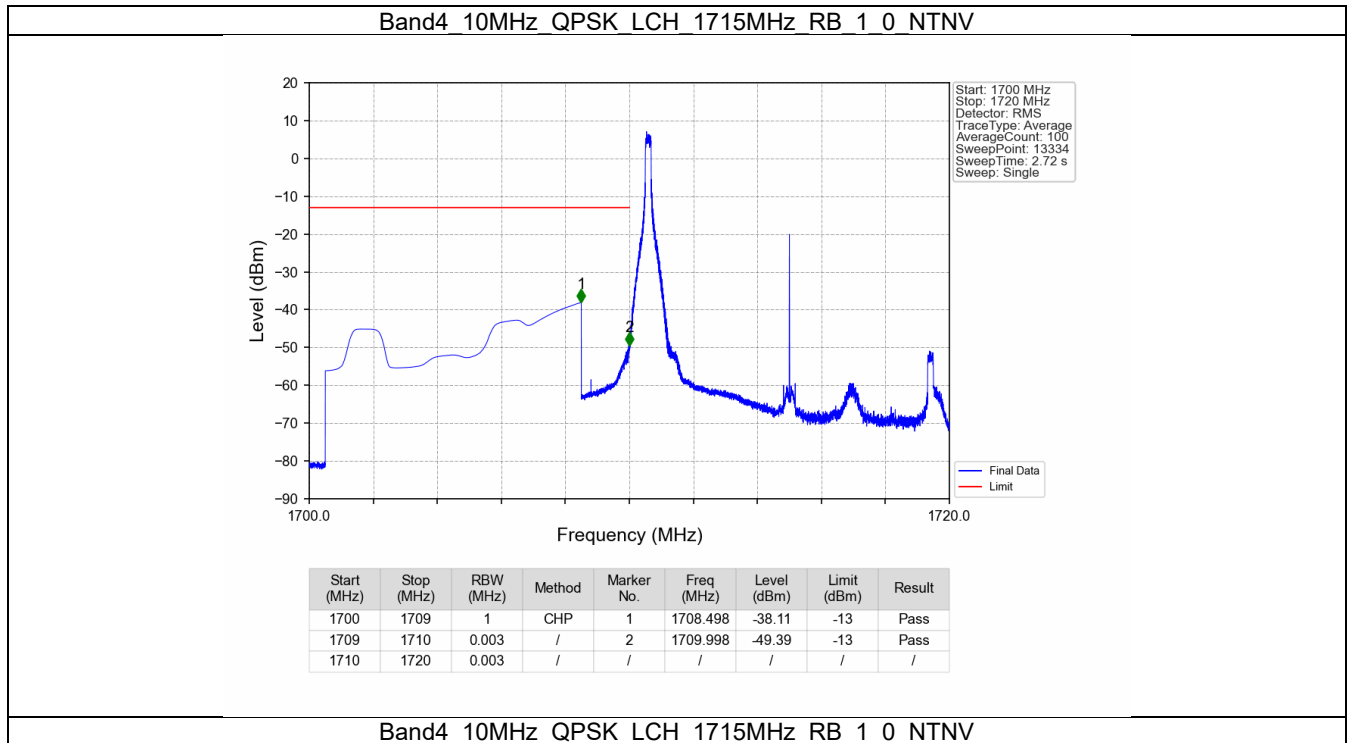
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-34.30	-13	Pass
1756	1760	1	CHP	2	1756.500	-33.99	-13	Pass

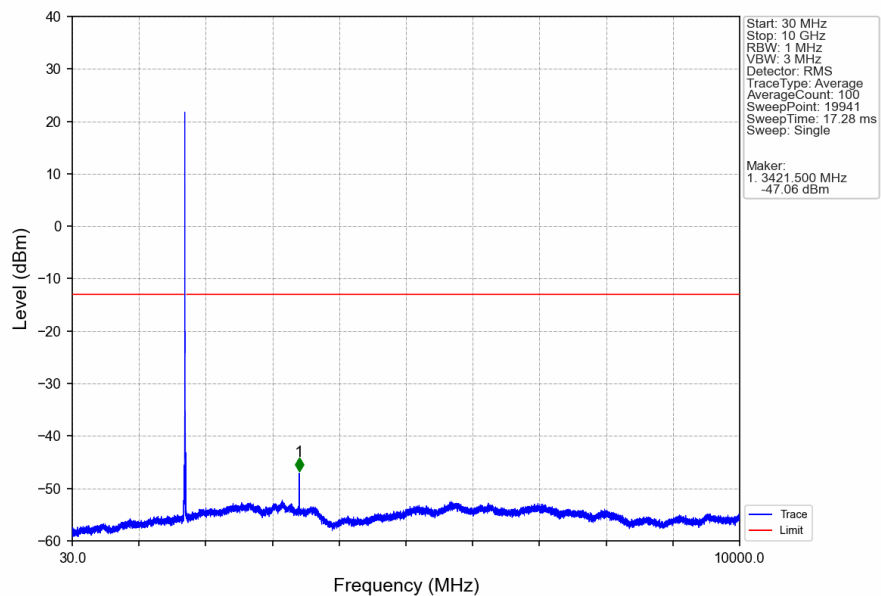
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



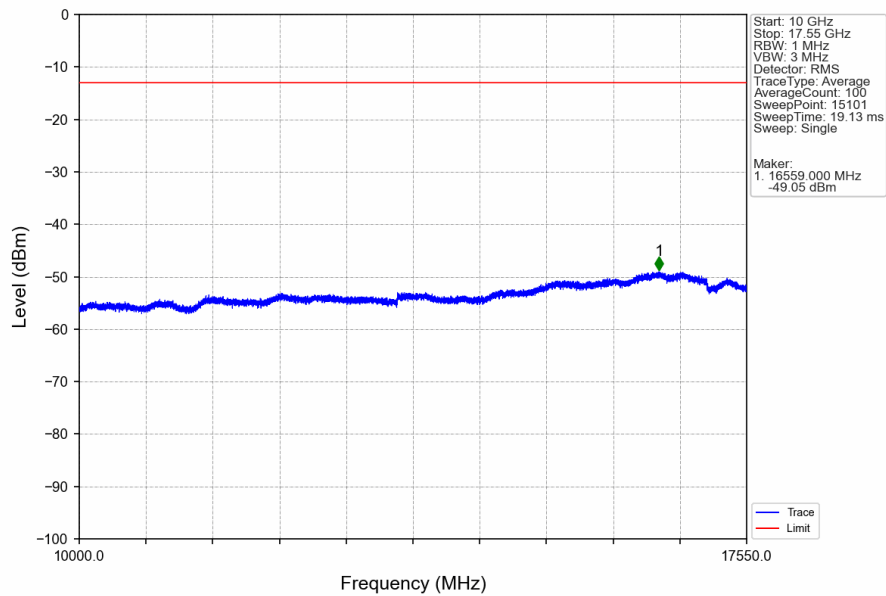
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	/	/	/	/	/
1755	1756	0.05	CHP	1	1755.010	-30.30	-13	Pass
1756	1760	1	CHP	2	1756.500	-24.11	-13	Pass

5.2.4 B4_10MHz

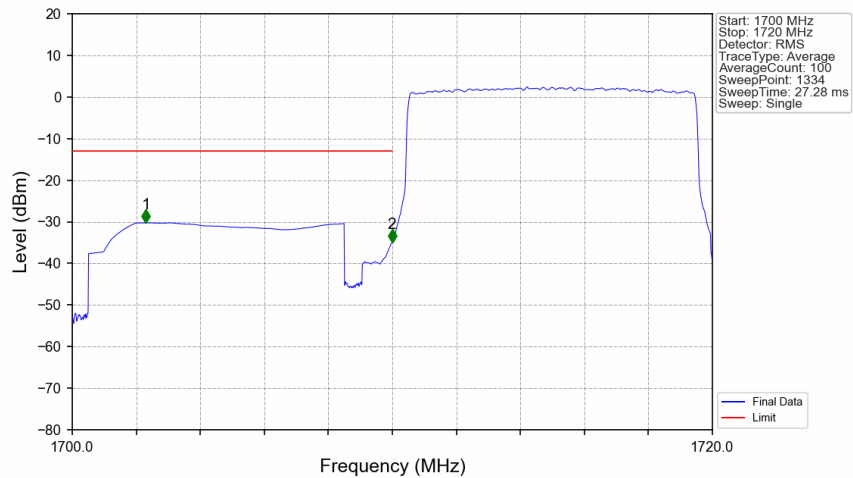




Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

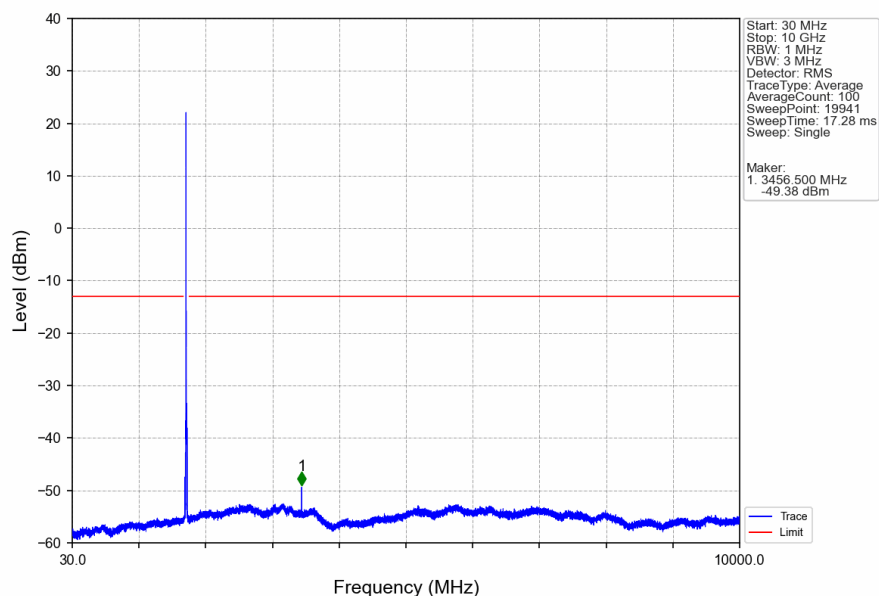


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

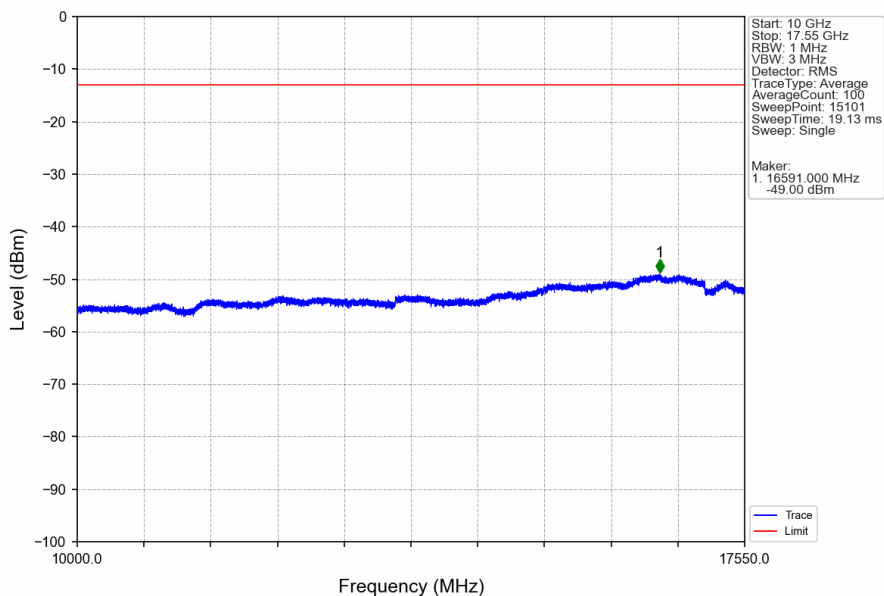


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1702.296	-30.26	-13	Pass
1709	1710	0.097	CHP	2	1709.992	-34.96	-13	Pass
1710	1720	0.097	CHP	/	/	/	/	/

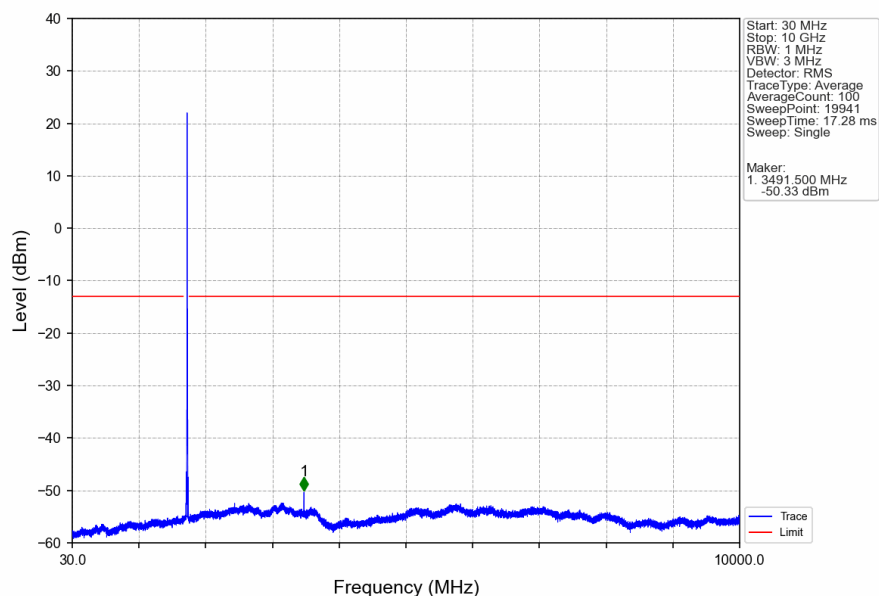
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



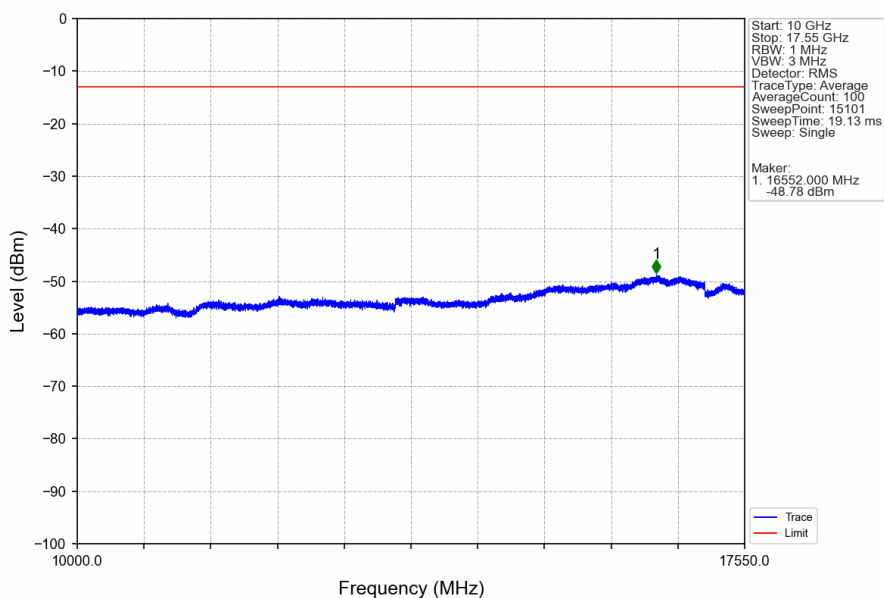
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



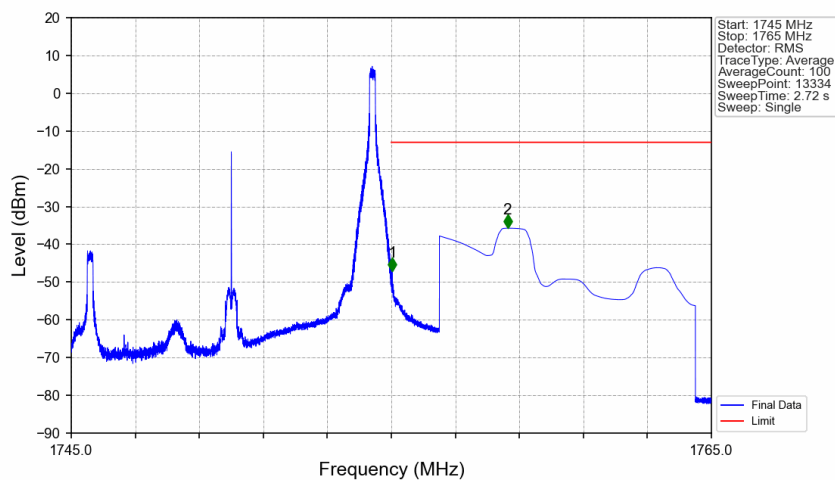
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

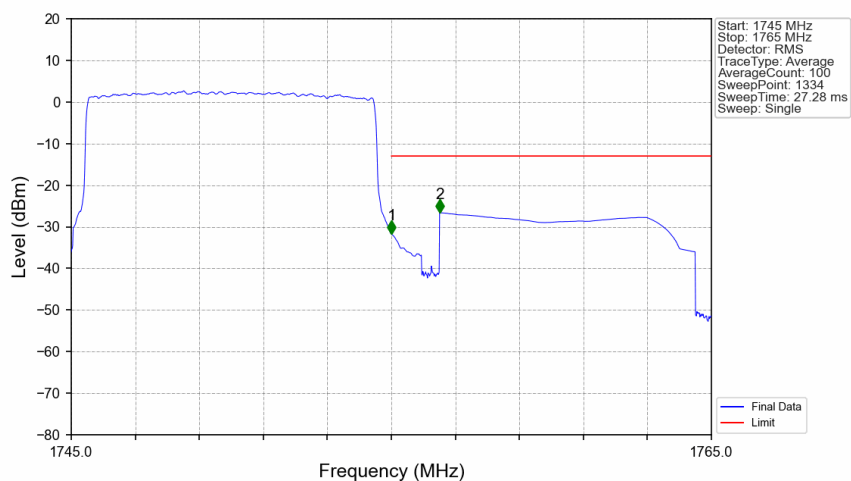


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



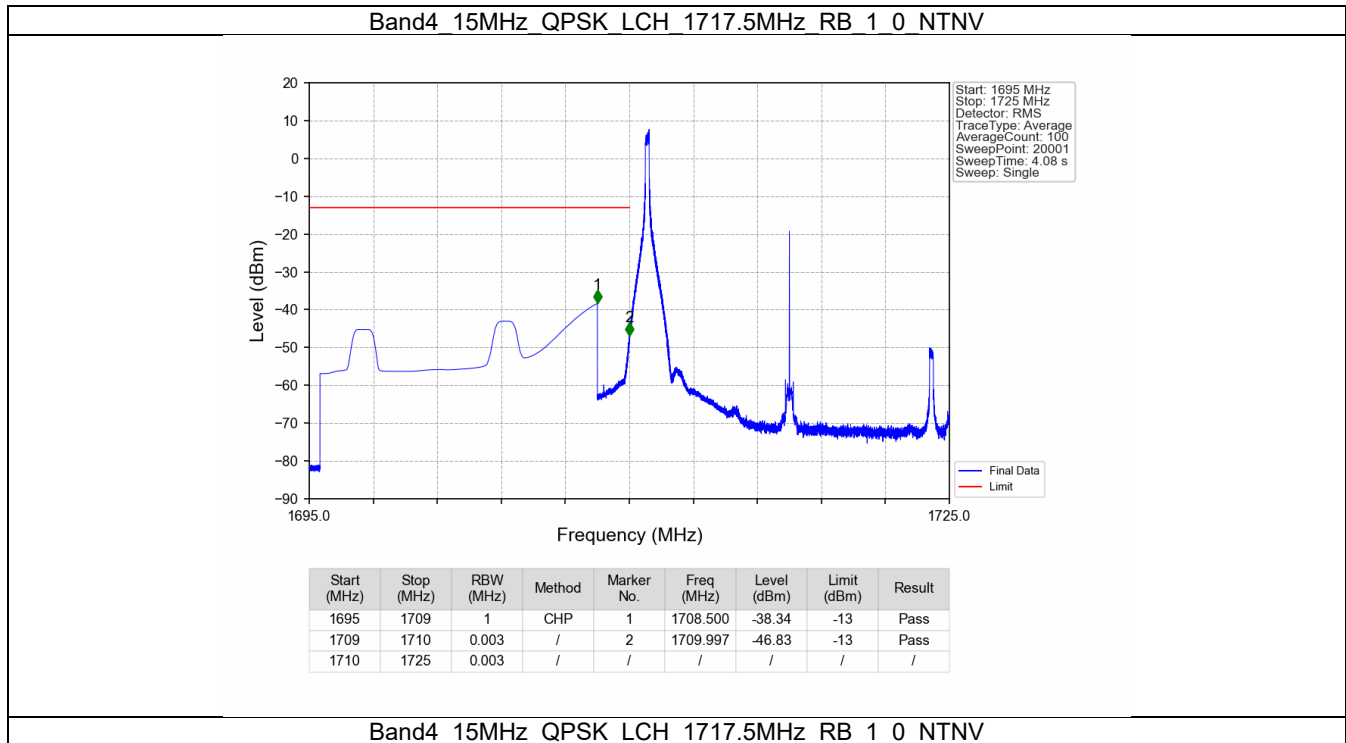
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.031	-47.14	-13	Pass
1756	1765	1	CHP	2	1758.631	-35.73	-13	Pass

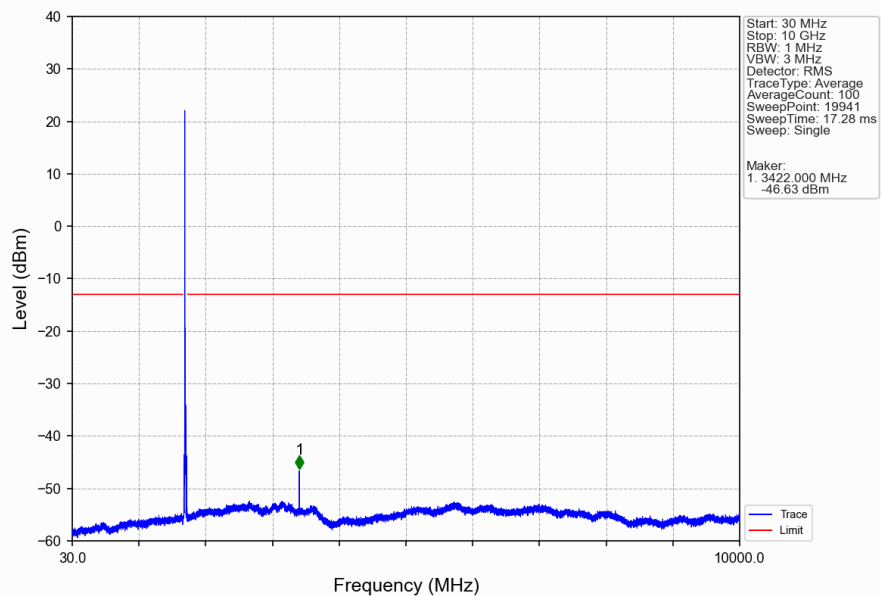
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



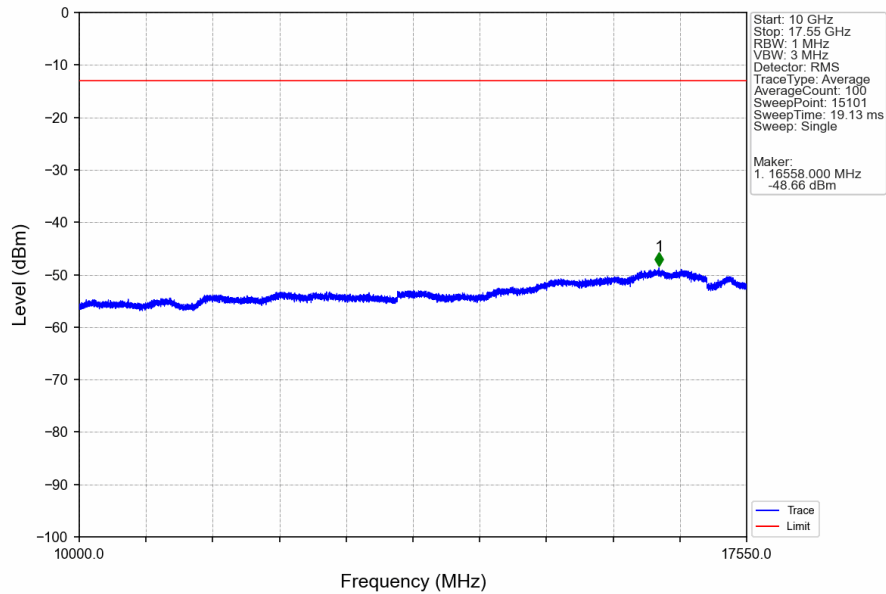
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.097	CHP	/	/	/	/	/
1755	1756	0.097	CHP	1	1755.008	-31.74	-13	Pass
1756	1765	1	CHP	2	1756.508	-26.63	-13	Pass

5.2.5 B4_15MHz

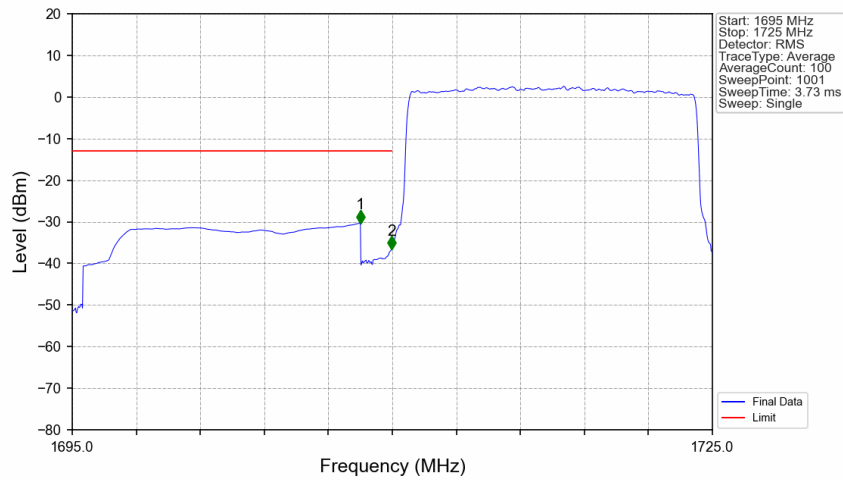




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



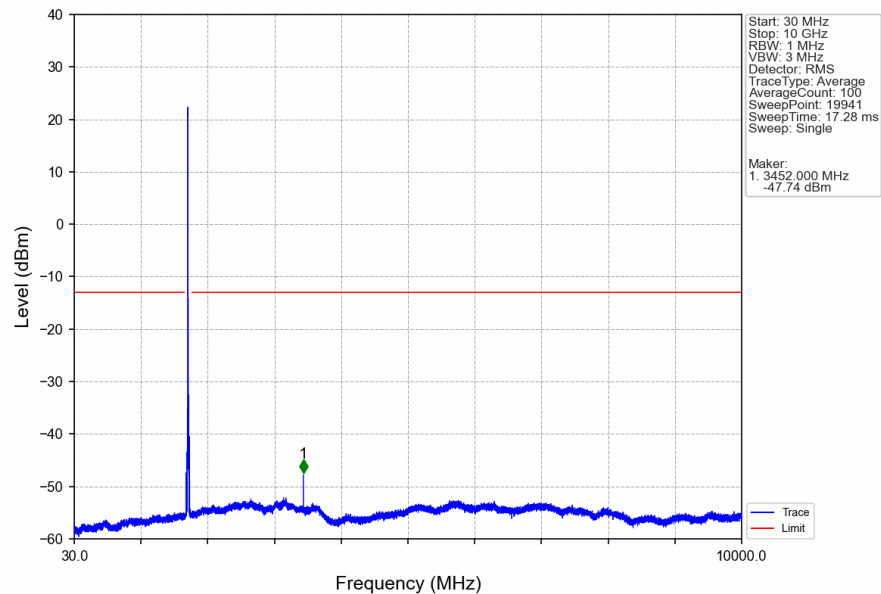
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



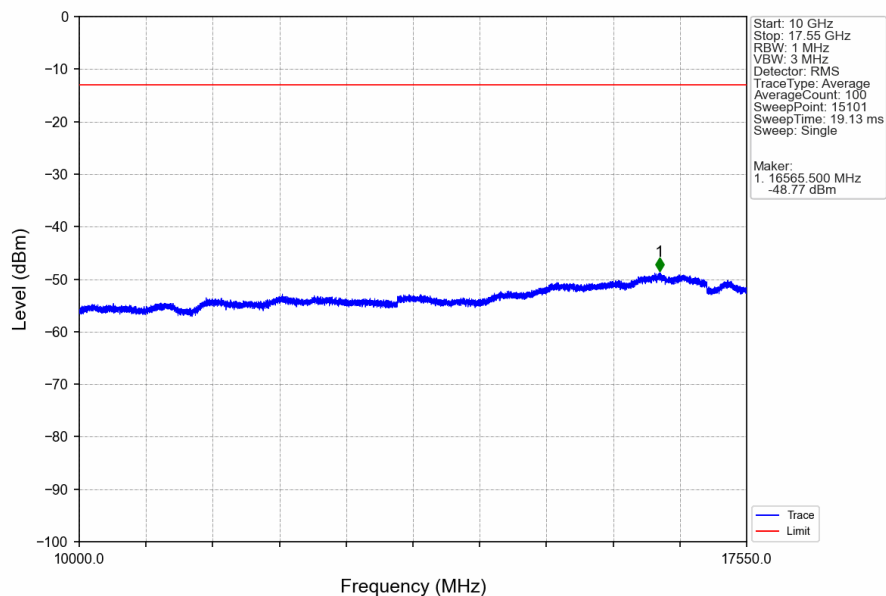
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-30.31	-13	Pass
1709	1710	0.145	CHP	2	1709.970	-36.65	-13	Pass
1710	1725	0.145	CHP	/	/	/	/	/



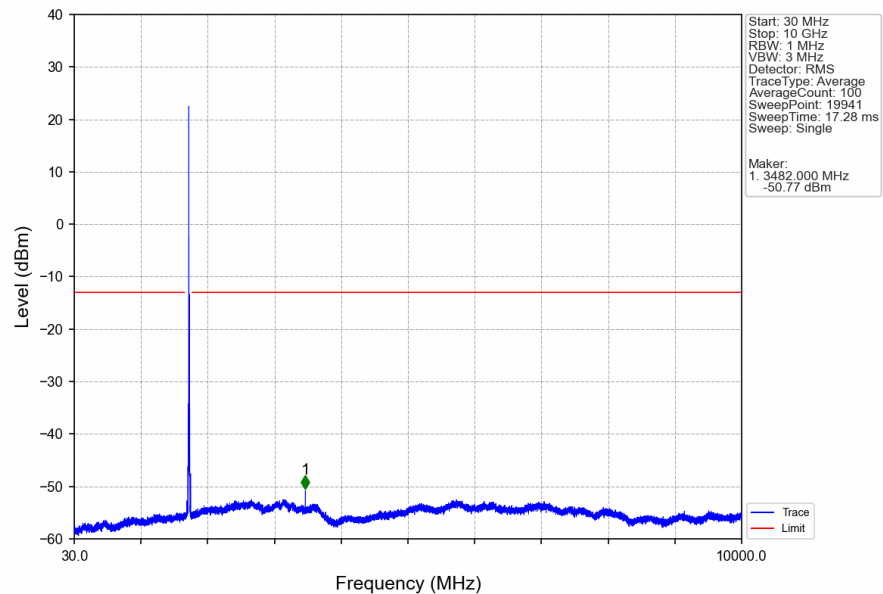
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



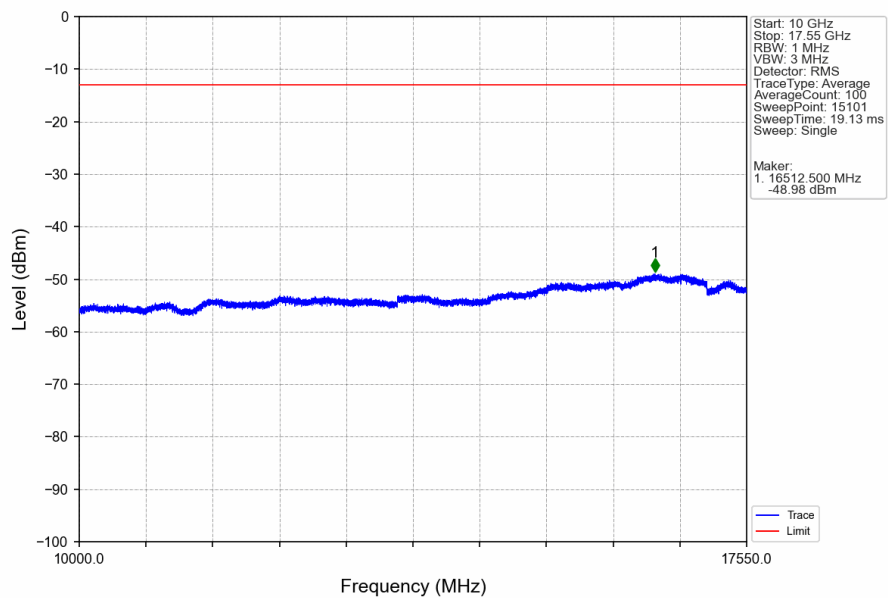
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



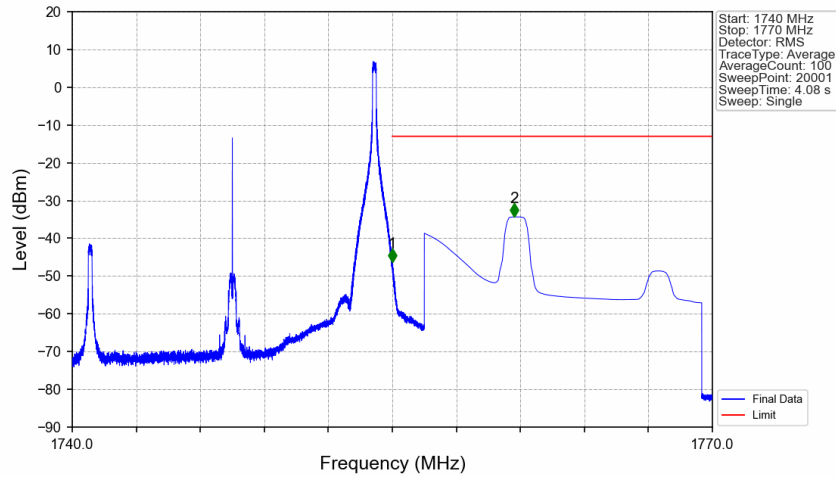
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

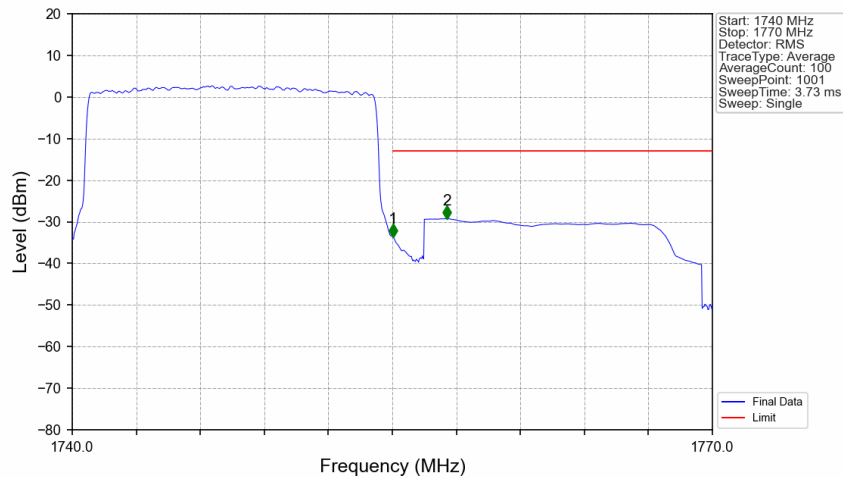


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



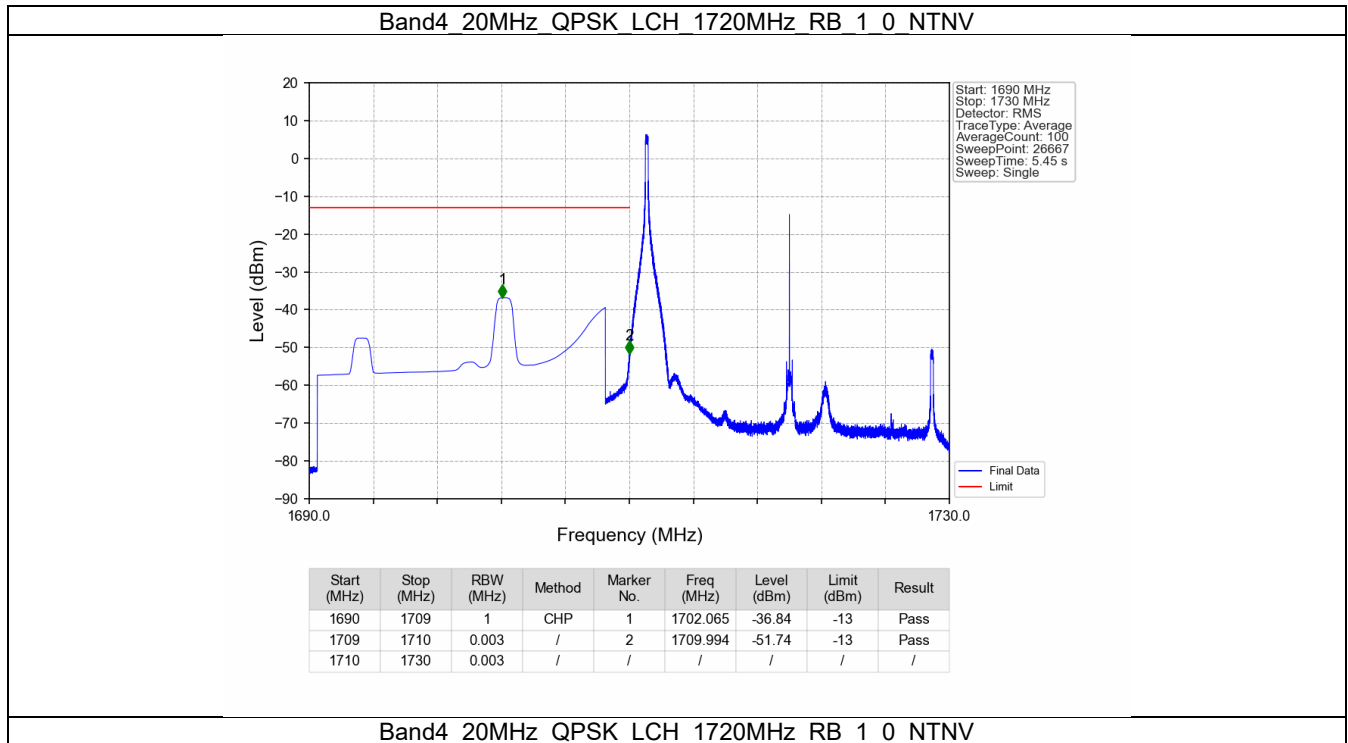
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-46.19	-13	Pass
1756	1770	1	CHP	2	1760.714	-34.33	-13	Pass

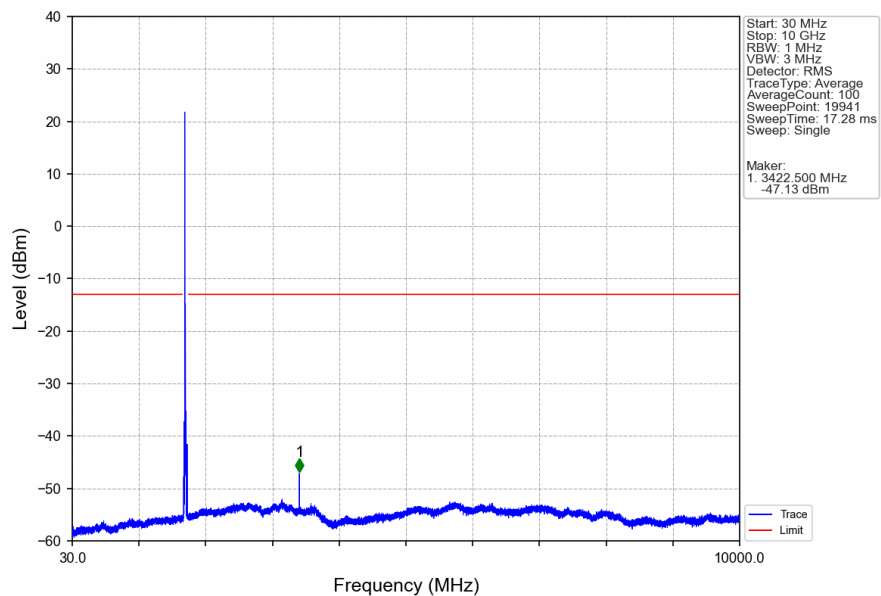
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



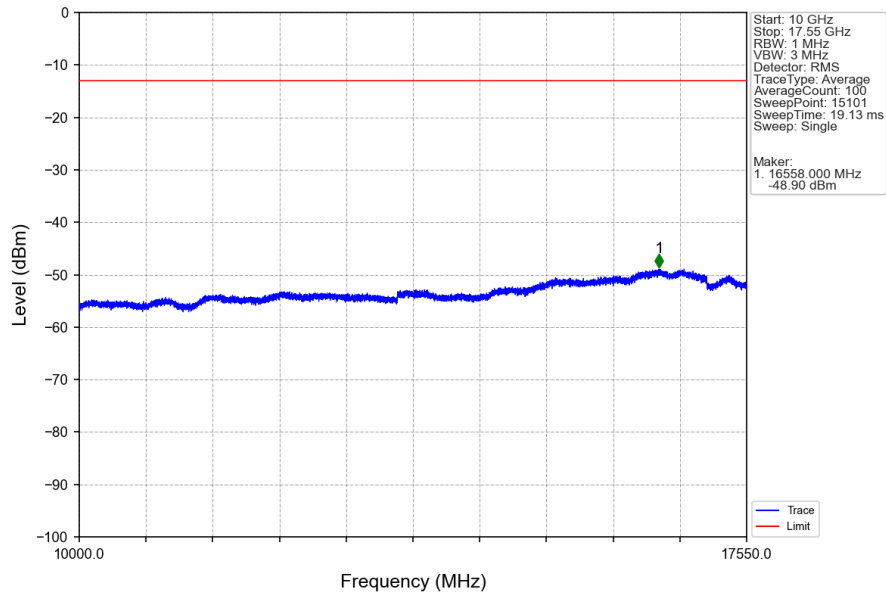
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.145	CHP	/	/	/	/	/
1755	1756	0.145	CHP	1	1755.030	-33.71	-13	Pass
1756	1770	1	CHP	2	1757.550	-29.26	-13	Pass

5.2.6 B4_20MHz

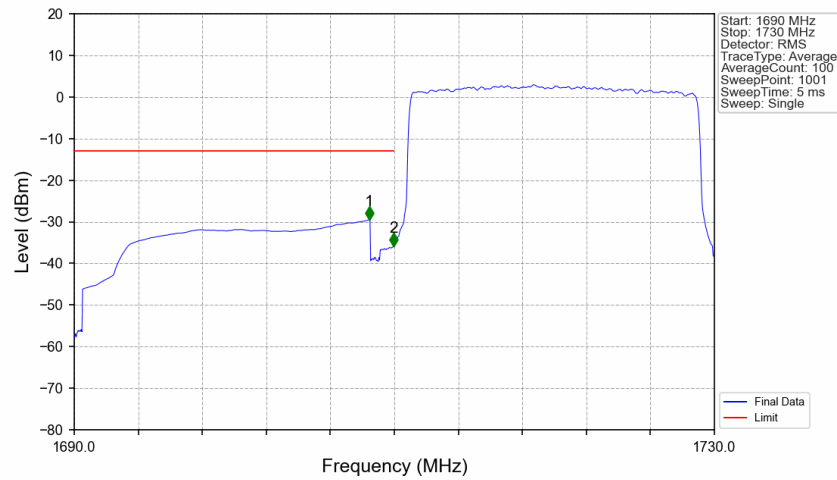




Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

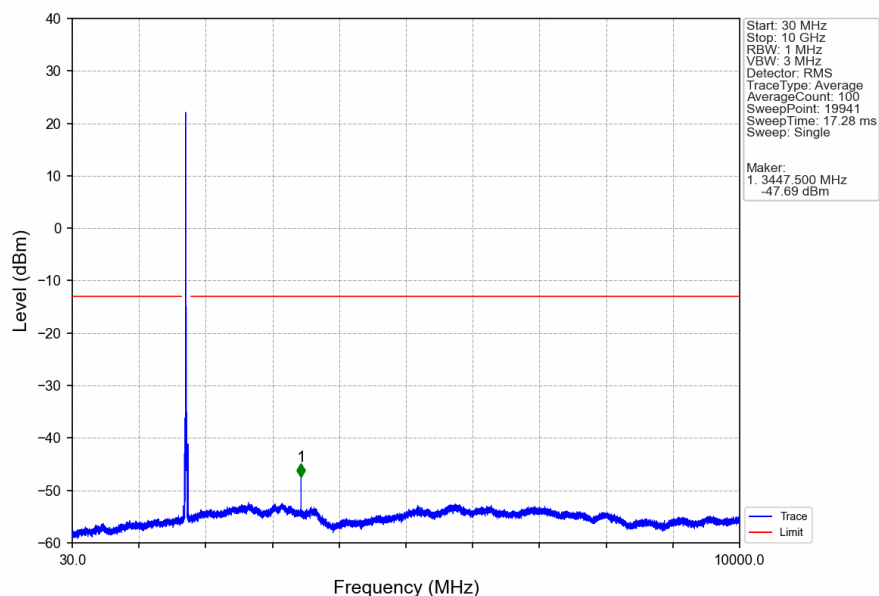


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

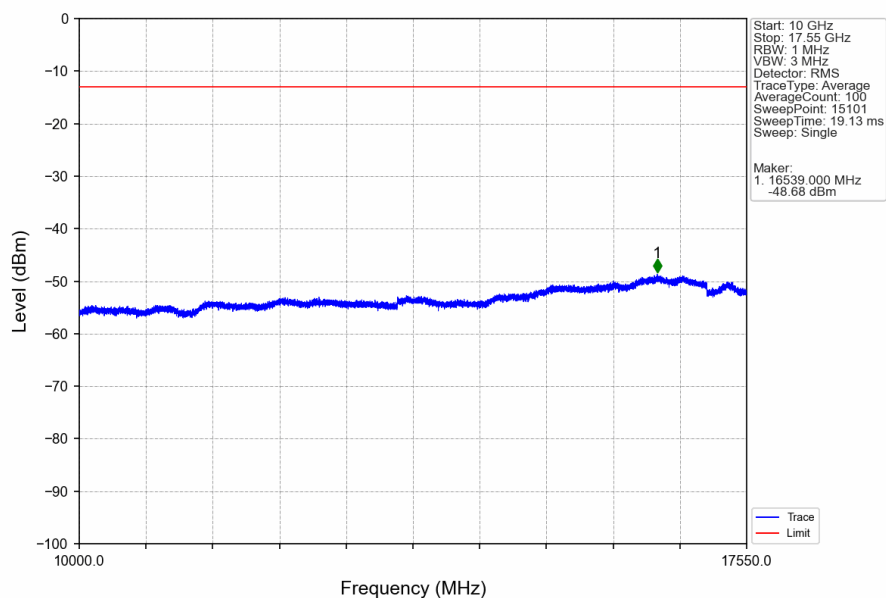


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.440	-29.56	-13	Pass
1709	1710	0.191	CHP	2	1709.960	-35.86	-13	Pass
1710	1730	0.191	CHP	/	/	/	/	/

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

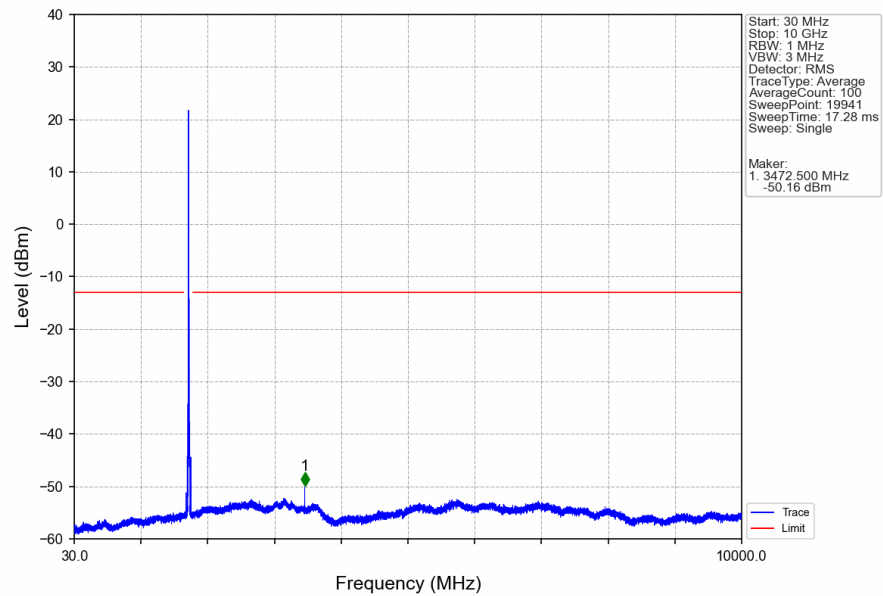


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

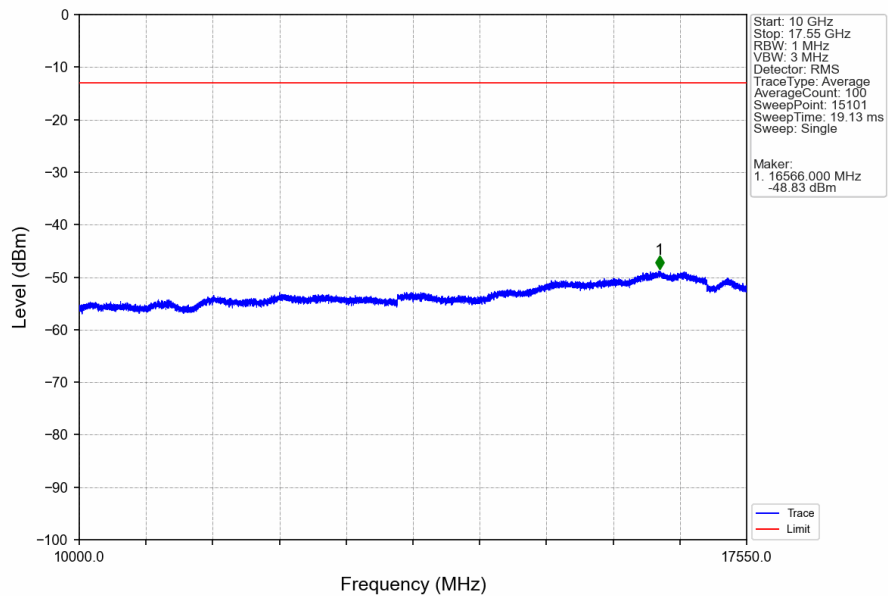




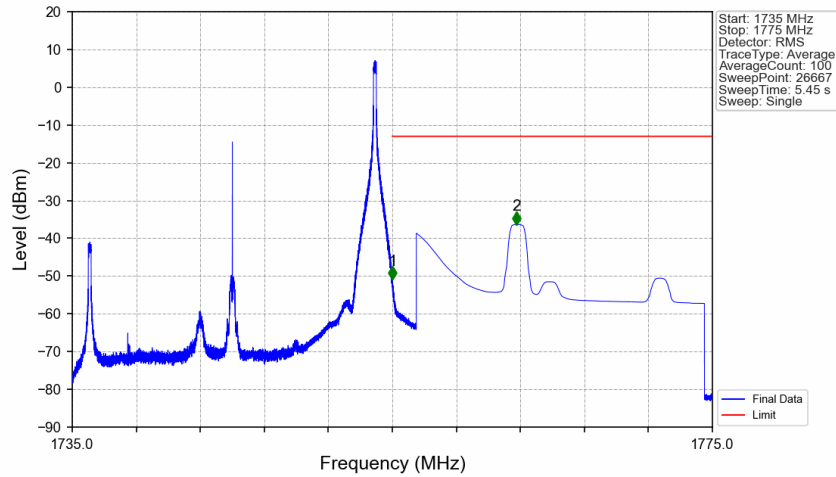
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

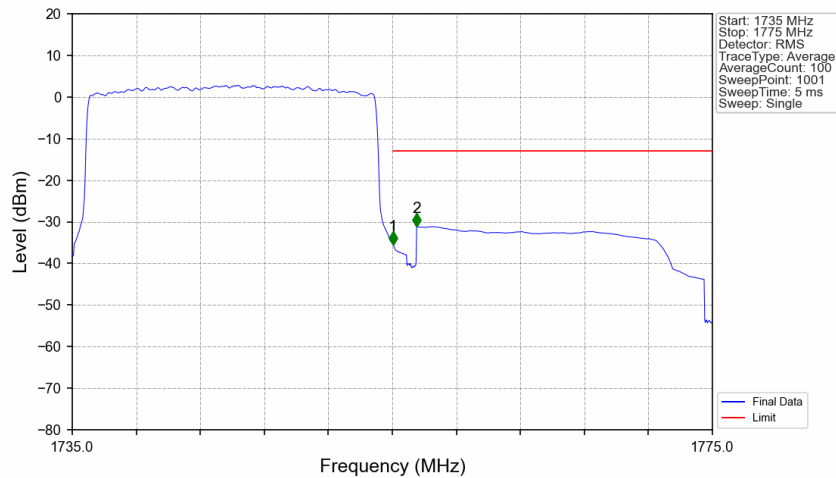


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTN



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	1755.006	-50.83	-13	Pass
1756	1775	1	CHP	2	1762.742	-36.34	-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	0.191	CHP	/	/	/	/	/
1755	1756	0.191	CHP	1	1755.040	-35.45	-13	Pass
1756	1775	1	CHP	2	1756.520	-31.16	-13	Pass

- End of the Appendix -