

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	23.79	2.00	25.79	<=30	Pass
			2	23.66	2.00	25.66	<=30	Pass
			5	23.74	2.00	25.74	<=30	Pass
		3	0	23.61	2.00	25.61	<=30	Pass
			2	23.64	2.00	25.64	<=30	Pass
			3	23.65	2.00	25.65	<=30	Pass
		6	0	22.44	2.00	24.44	<=30	Pass
	1732.5	1	0	24.08	2.00	26.08	<=30	Pass
			2	23.98	2.00	25.98	<=30	Pass
			5	24.01	2.00	26.01	<=30	Pass
		3	0	23.98	2.00	25.98	<=30	Pass
			2	23.96	2.00	25.96	<=30	Pass
			3	24.02	2.00	26.02	<=30	Pass
		6	0	23.11	2.00	25.11	<=30	Pass
	1754.3	1	0	23.85	2.00	25.85	<=30	Pass
			2	23.76	2.00	25.76	<=30	Pass
			5	23.73	2.00	25.73	<=30	Pass
		3	0	23.71	2.00	25.71	<=30	Pass
			2	23.72	2.00	25.72	<=30	Pass
			3	23.73	2.00	25.73	<=30	Pass
		6	0	22.75	2.00	24.75	<=30	Pass
16QAM	1710.7	1	0	22.59	2.00	24.59	<=30	Pass
			2	22.75	2.00	24.75	<=30	Pass
			5	22.80	2.00	24.80	<=30	Pass
		3	0	22.43	2.00	24.43	<=30	Pass
			2	22.53	2.00	24.53	<=30	Pass
			3	22.49	2.00	24.49	<=30	Pass
		6	0	21.52	2.00	23.52	<=30	Pass
	1732.5	1	0	23.25	2.00	25.25	<=30	Pass
			2	23.39	2.00	25.39	<=30	Pass
			5	23.46	2.00	25.46	<=30	Pass
		3	0	23.13	2.00	25.13	<=30	Pass
			2	23.10	2.00	25.10	<=30	Pass
			3	23.08	2.00	25.08	<=30	Pass
		6	0	22.32	2.00	24.32	<=30	Pass
	1754.3	1	0	23.03	2.00	25.03	<=30	Pass
			2	23.04	2.00	25.04	<=30	Pass
			5	23.02	2.00	25.02	<=30	Pass
		3	0	22.80	2.00	24.80	<=30	Pass
			2	22.82	2.00	24.82	<=30	Pass
			3	22.82	2.00	24.82	<=30	Pass
		6	0	22.01	2.00	24.01	<=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	23.88	2.00	25.88	<=30	Pass	
			7	23.74	2.00	25.74	<=30	Pass	
			14	23.62	2.00	25.62	<=30	Pass	
		8	0	22.50	2.00	24.50	<=30	Pass	
			4	22.60	2.00	24.60	<=30	Pass	
			7	22.54	2.00	24.54	<=30	Pass	
		15	0	22.56	2.00	24.56	<=30	Pass	
		1732.5	1	0	24.09	2.00	26.09	<=30	Pass
				7	24.06	2.00	26.06	<=30	Pass
	14			24.02	2.00	26.02	<=30	Pass	
	8		0	23.06	2.00	25.06	<=30	Pass	
			4	23.12	2.00	25.12	<=30	Pass	
			7	23.12	2.00	25.12	<=30	Pass	
	15	0	23.11	2.00	25.11	<=30	Pass		
	1753.5	1	0	23.86	2.00	25.86	<=30	Pass	
			7	23.82	2.00	25.82	<=30	Pass	
			14	23.67	2.00	25.67	<=30	Pass	
		8	0	22.81	2.00	24.81	<=30	Pass	
			4	22.82	2.00	24.82	<=30	Pass	
			7	22.85	2.00	24.85	<=30	Pass	
		15	0	22.80	2.00	24.80	<=30	Pass	
16QAM		1711.5	1	0	22.74	2.00	24.74	<=30	Pass
				7	22.89	2.00	24.89	<=30	Pass
	14			22.85	2.00	24.85	<=30	Pass	
	8		0	21.60	2.00	23.60	<=30	Pass	
			4	21.67	2.00	23.67	<=30	Pass	
			7	21.70	2.00	23.70	<=30	Pass	
	15		0	21.61	2.00	23.61	<=30	Pass	
	1732.5	1	0	23.30	2.00	25.30	<=30	Pass	
			7	23.38	2.00	25.38	<=30	Pass	
			14	23.40	2.00	25.40	<=30	Pass	
		8	0	22.32	2.00	24.32	<=30	Pass	
			4	22.40	2.00	24.40	<=30	Pass	
			7	22.35	2.00	24.35	<=30	Pass	
	15	0	22.35	2.00	24.35	<=30	Pass		
	1753.5	1	0	22.99	2.00	24.99	<=30	Pass	
			7	23.03	2.00	25.03	<=30	Pass	
			14	23.05	2.00	25.05	<=30	Pass	
		8	0	21.97	2.00	23.97	<=30	Pass	
			4	22.04	2.00	24.04	<=30	Pass	
			7	22.02	2.00	24.02	<=30	Pass	
		15	0	21.99	2.00	23.99	<=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	24.16	2.00	26.16	<=30	Pass
			13	23.80	2.00	25.80	<=30	Pass
			24	24.11	2.00	26.11	<=30	Pass
		12	0	22.55	2.00	24.55	<=30	Pass
			6	22.57	2.00	24.57	<=30	Pass
			13	22.63	2.00	24.63	<=30	Pass

		25	0	22.57	2.00	24.57	<=30	Pass	
	1732.5	1	0	24.33	2.00	26.33	<=30	Pass	
			13	24.10	2.00	26.10	<=30	Pass	
			24	24.28	2.00	26.28	<=30	Pass	
			0	23.07	2.00	25.07	<=30	Pass	
		12	6	23.13	2.00	25.13	<=30	Pass	
			13	23.15	2.00	25.15	<=30	Pass	
			25	0	23.12	2.00	25.12	<=30	Pass
	1752.5	1	0	22.61	2.00	24.61	<=30	Pass	
			13	23.89	2.00	25.89	<=30	Pass	
			24	23.98	2.00	25.98	<=30	Pass	
		12	0	22.81	2.00	24.81	<=30	Pass	
			6	22.86	2.00	24.86	<=30	Pass	
			13	22.87	2.00	24.87	<=30	Pass	
		25	0	22.84	2.00	24.84	<=30	Pass	
	16QAM	1712.5	1	0	23.09	2.00	25.09	<=30	Pass
				13	22.82	2.00	24.82	<=30	Pass
				24	23.09	2.00	25.09	<=30	Pass
12			0	21.57	2.00	23.57	<=30	Pass	
			6	21.61	2.00	23.61	<=30	Pass	
			13	21.72	2.00	23.72	<=30	Pass	
25			0	21.60	2.00	23.60	<=30	Pass	
1732.5		1	0	23.39	2.00	25.39	<=30	Pass	
			13	23.28	2.00	25.28	<=30	Pass	
			24	23.60	2.00	25.60	<=30	Pass	
		12	0	22.24	2.00	24.24	<=30	Pass	
			6	22.35	2.00	24.35	<=30	Pass	
			13	22.35	2.00	24.35	<=30	Pass	
25		0	22.34	2.00	24.34	<=30	Pass		
1752.5		1	0	23.26	2.00	25.26	<=30	Pass	
			13	23.09	2.00	25.09	<=30	Pass	
			24	23.30	2.00	25.30	<=30	Pass	
		12	0	21.98	2.00	23.98	<=30	Pass	
			6	22.08	2.00	24.08	<=30	Pass	
			13	22.05	2.00	24.05	<=30	Pass	
25		0	22.06	2.00	24.06	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.43	2.00	26.43	<=30	Pass
			25	23.87	2.00	25.87	<=30	Pass
			49	24.42	2.00	26.42	<=30	Pass
		25	0	22.54	2.00	24.54	<=30	Pass
			13	22.72	2.00	24.72	<=30	Pass
			25	22.72	2.00	24.72	<=30	Pass
		50	0	22.66	2.00	24.66	<=30	Pass
	1732.5	1	0	23.91	2.00	25.91	<=30	Pass
			25	24.08	2.00	26.08	<=30	Pass
			49	24.38	2.00	26.38	<=30	Pass
		25	0	23.01	2.00	25.01	<=30	Pass
			13	23.12	2.00	25.12	<=30	Pass
			25	23.05	2.00	25.05	<=30	Pass
		50	0	23.04	2.00	25.04	<=30	Pass

16QAM	1750	1	0	24.27	2.00	26.27	<=30	Pass
			25	23.84	2.00	25.84	<=30	Pass
			49	24.25	2.00	26.25	<=30	Pass
		25	0	22.67	2.00	24.67	<=30	Pass
			13	22.87	2.00	24.87	<=30	Pass
			25	22.81	2.00	24.81	<=30	Pass
		50	0	22.85	2.00	24.85	<=30	Pass
	1715	1	0	23.31	2.00	25.31	<=30	Pass
			25	23.06	2.00	25.06	<=30	Pass
			49	23.48	2.00	25.48	<=30	Pass
		12	0	22.90	2.00	24.90	<=30	Pass
			19	22.70	2.00	24.70	<=30	Pass
			38	22.92	2.00	24.92	<=30	Pass
		27	0	21.58	2.00	23.58	<=30	Pass
	1732.5	1	0	23.75	2.00	25.75	<=30	Pass
			25	23.45	2.00	25.45	<=30	Pass
			49	23.53	2.00	25.53	<=30	Pass
		12	0	23.20	2.00	25.20	<=30	Pass
			19	23.15	2.00	25.15	<=30	Pass
			38	23.30	2.00	25.30	<=30	Pass
		27	0	22.16	2.00	24.16	<=30	Pass
	1750	1	0	23.39	2.00	25.39	<=30	Pass
			25	23.14	2.00	25.14	<=30	Pass
			49	23.60	2.00	25.60	<=30	Pass
		12	0	22.93	2.00	24.93	<=30	Pass
			19	22.85	2.00	24.85	<=30	Pass
			38	23.07	2.00	25.07	<=30	Pass
		27	23	22.00	2.00	24.00	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.44	2.00	25.44	<=30	Pass
			38	23.85	2.00	25.85	<=30	Pass
			74	23.82	2.00	25.82	<=30	Pass
		36	0	22.55	2.00	24.55	<=30	Pass
			18	22.71	2.00	24.71	<=30	Pass
			39	22.65	2.00	24.65	<=30	Pass
		75	0	22.57	2.00	24.57	<=30	Pass
	1732.5	1	0	23.75	2.00	25.75	<=30	Pass
			38	24.06	2.00	26.06	<=30	Pass
			74	23.71	2.00	25.71	<=30	Pass
		36	0	22.84	2.00	24.84	<=30	Pass
			18	23.06	2.00	25.06	<=30	Pass
			39	22.98	2.00	24.98	<=30	Pass
		75	0	22.91	2.00	24.91	<=30	Pass
	1747.5	1	0	22.32	2.00	24.32	<=30	Pass
			38	23.82	2.00	25.82	<=30	Pass
			74	23.86	2.00	25.86	<=30	Pass
		36	0	22.60	2.00	24.60	<=30	Pass
			18	22.76	2.00	24.76	<=30	Pass
			39	22.76	2.00	24.76	<=30	Pass
		75	0	22.69	2.00	24.69	<=30	Pass
16QAM	1717.5	1	0	22.81	2.00	24.81	<=30	Pass

			38	23.04	2.00	25.04	<=30	Pass
			74	22.97	2.00	24.97	<=30	Pass
		12	0	22.44	2.00	24.44	<=30	Pass
			31	22.77	2.00	24.77	<=30	Pass
			63	22.63	2.00	24.63	<=30	Pass
		27	0	21.60	2.00	23.60	<=30	Pass
	1732.5	1	0	23.12	2.00	25.12	<=30	Pass
			38	23.37	2.00	25.37	<=30	Pass
			74	23.02	2.00	25.02	<=30	Pass
		12	0	22.67	2.00	24.67	<=30	Pass
			31	23.11	2.00	25.11	<=30	Pass
			63	22.75	2.00	24.75	<=30	Pass
	27	0	21.92	2.00	23.92	<=30	Pass	
	1747.5	1	0	22.92	2.00	24.92	<=30	Pass
			38	23.07	2.00	25.07	<=30	Pass
			74	23.14	2.00	25.14	<=30	Pass
		12	0	22.50	2.00	24.50	<=30	Pass
			31	22.81	2.00	24.81	<=30	Pass
			63	22.75	2.00	24.75	<=30	Pass
	27	48	21.92	2.00	23.92	<=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	23.81	2.00	25.81	<=30	Pass
			50	23.79	2.00	25.79	<=30	Pass
			99	23.81	2.00	25.81	<=30	Pass
		50	0	22.43	2.00	24.43	<=30	Pass
			25	22.68	2.00	24.68	<=30	Pass
			50	22.64	2.00	24.64	<=30	Pass
		100	0	22.59	2.00	24.59	<=30	Pass
	1732.5	1	0	23.71	2.00	25.71	<=30	Pass
			50	24.08	2.00	26.08	<=30	Pass
			99	23.58	2.00	25.58	<=30	Pass
		50	0	22.79	2.00	24.79	<=30	Pass
			25	23.05	2.00	25.05	<=30	Pass
			50	22.82	2.00	24.82	<=30	Pass
		100	0	22.78	2.00	24.78	<=30	Pass
	1745	1	0	23.77	2.00	25.77	<=30	Pass
			50	23.85	2.00	25.85	<=30	Pass
			99	23.70	2.00	25.70	<=30	Pass
		50	0	22.51	2.00	24.51	<=30	Pass
			25	22.76	2.00	24.76	<=30	Pass
			50	22.67	2.00	24.67	<=30	Pass
		100	0	22.62	2.00	24.62	<=30	Pass
16QAM	1720	1	0	22.74	2.00	24.74	<=30	Pass
			50	22.98	2.00	24.98	<=30	Pass
			99	23.01	2.00	25.01	<=30	Pass
		12	0	22.33	2.00	24.33	<=30	Pass
			44	22.77	2.00	24.77	<=30	Pass
			88	22.70	2.00	24.70	<=30	Pass
		27	0	21.40	2.00	23.40	<=30	Pass
	1732.5	1	0	22.87	2.00	24.87	<=30	Pass
			50	23.41	2.00	25.41	<=30	Pass

		12	99	22.86	2.00	24.86	<=30	Pass
			0	22.53	2.00	24.53	<=30	Pass
			44	23.13	2.00	25.13	<=30	Pass
			88	22.49	2.00	24.49	<=30	Pass
	1745	27	0	21.68	2.00	23.68	<=30	Pass
		1	0	23.07	2.00	25.07	<=30	Pass
			50	23.15	2.00	25.15	<=30	Pass
			99	22.87	2.00	24.87	<=30	Pass
		12	0	22.58	2.00	24.58	<=30	Pass
			44	22.83	2.00	24.83	<=30	Pass
			88	22.62	2.00	24.62	<=30	Pass
		27	73	21.73	2.00	23.73	<=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	9.000	0.0052	-2.5 to 2.5	Pass
					3.85	16.100	0.0093	-2.5 to 2.5	Pass
					4.43	9.800	0.0057	-2.5 to 2.5	Pass
				-30	3.85	12.600	0.0073	-2.5 to 2.5	Pass
				-20	3.85	11.800	0.0068	-2.5 to 2.5	Pass
				-10	3.85	10.300	0.0059	-2.5 to 2.5	Pass
				0	3.85	9.000	0.0052	-2.5 to 2.5	Pass
				10	3.85	26.500	0.0153	-2.5 to 2.5	Pass
				30	3.85	12.700	0.0073	-2.5 to 2.5	Pass
				40	3.85	9.300	0.0054	-2.5 to 2.5	Pass
				50	3.85	16.100	0.0093	-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	1.098	/	Pass
	16QAM	1732.5	6	0	1.095	/	Pass
3	QPSK	1732.5	15	0	2.719	/	Pass
	16QAM	1732.5	15	0	2.718	/	Pass
5	QPSK	1732.5	25	0	4.497	/	Pass
	16QAM	1732.5	25	0	4.494	/	Pass
10	QPSK	1732.5	50	0	8.980	/	Pass
	16QAM	1732.5	27	0	4.939	/	Pass
15	QPSK	1732.5	75	0	13.453	/	Pass

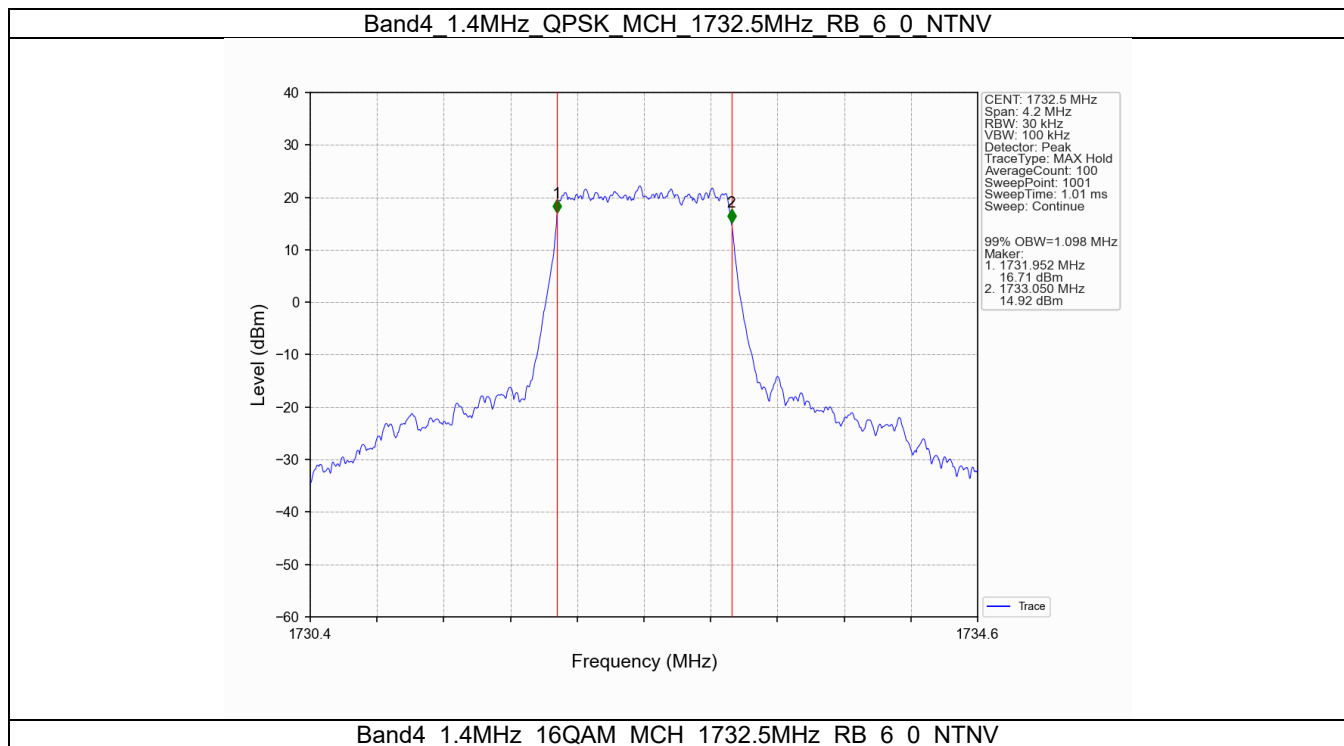
	16QAM	1732.5	27	0	4.939	/	Pass
20	QPSK	1732.5	100	0	17.979	/	Pass
	16QAM	1732.5	27	0	5.044	/	Pass

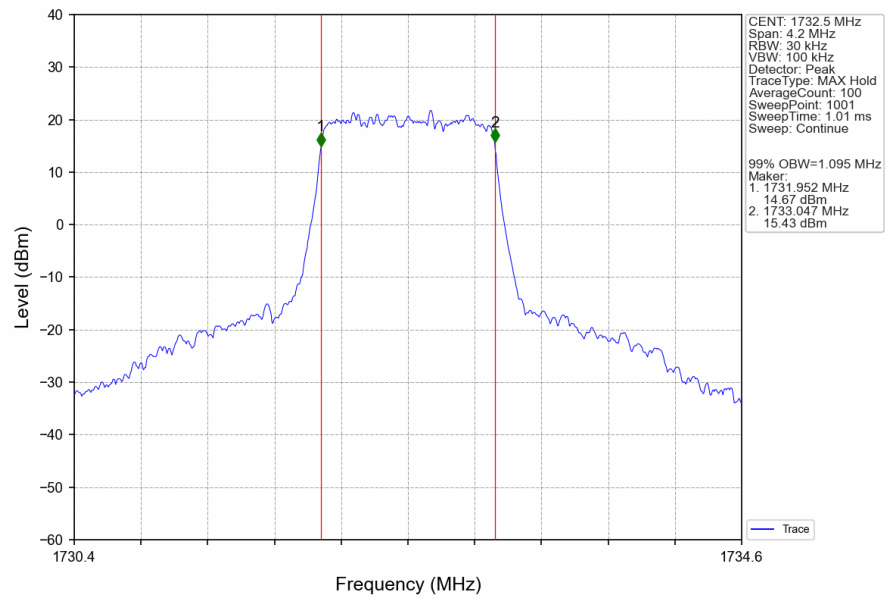
3.1.2 Band4_XDB

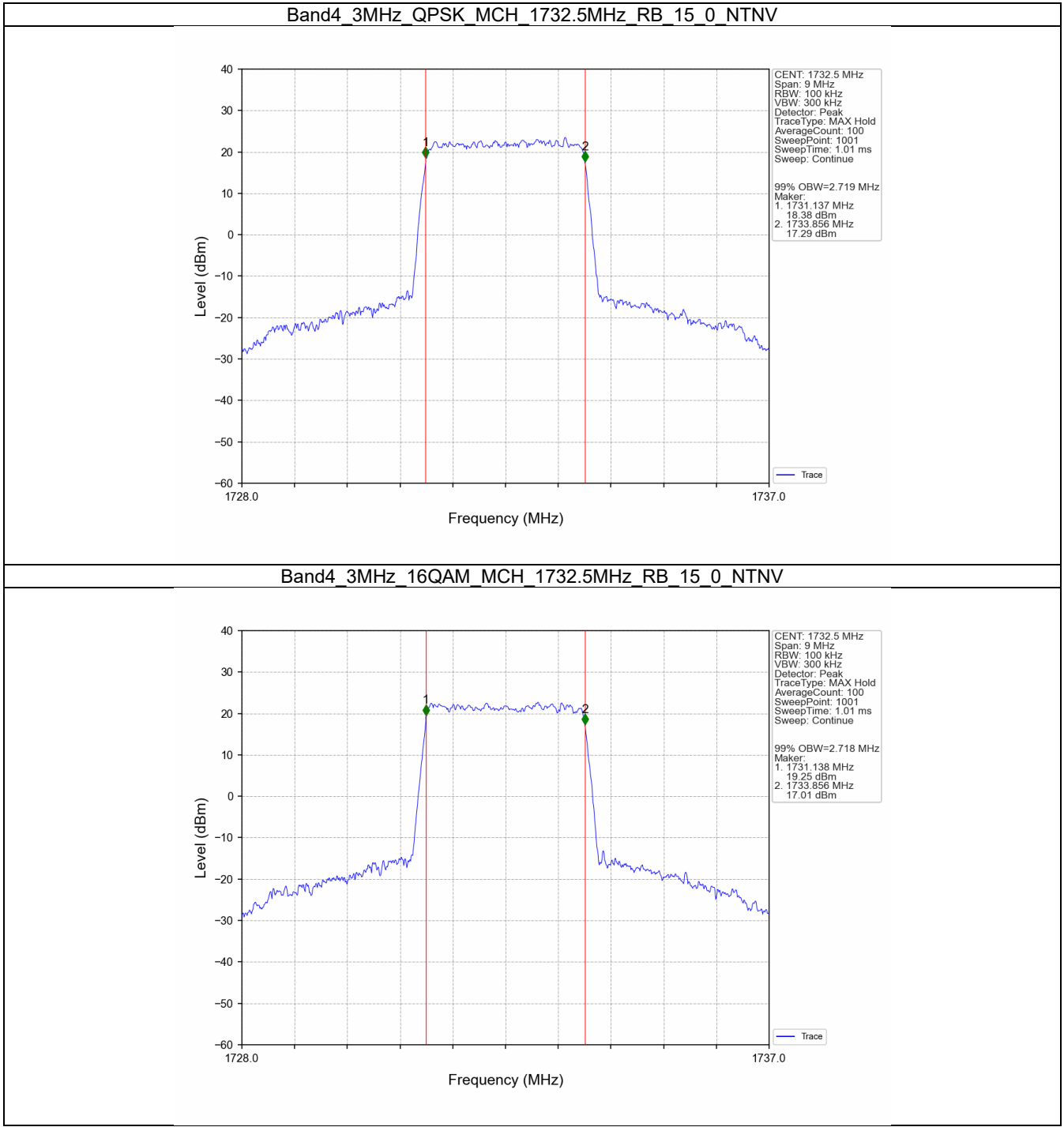
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.273	/	Pass
	16QAM	1732.5	6	0	1.265	/	Pass
3	QPSK	1732.5	15	0	3.012	/	Pass
	16QAM	1732.5	15	0	3.023	/	Pass
5	QPSK	1732.5	25	0	4.976	/	Pass
	16QAM	1732.5	25	0	4.947	/	Pass
10	QPSK	1732.5	50	0	9.700	/	Pass
	16QAM	1732.5	27	0	5.600	/	Pass
15	QPSK	1732.5	75	0	14.346	/	Pass
	16QAM	1732.5	27	0	5.654	/	Pass
20	QPSK	1732.5	100	0	19.213	/	Pass
	16QAM	1732.5	27	0	5.658	/	Pass

3.2 Test Graph

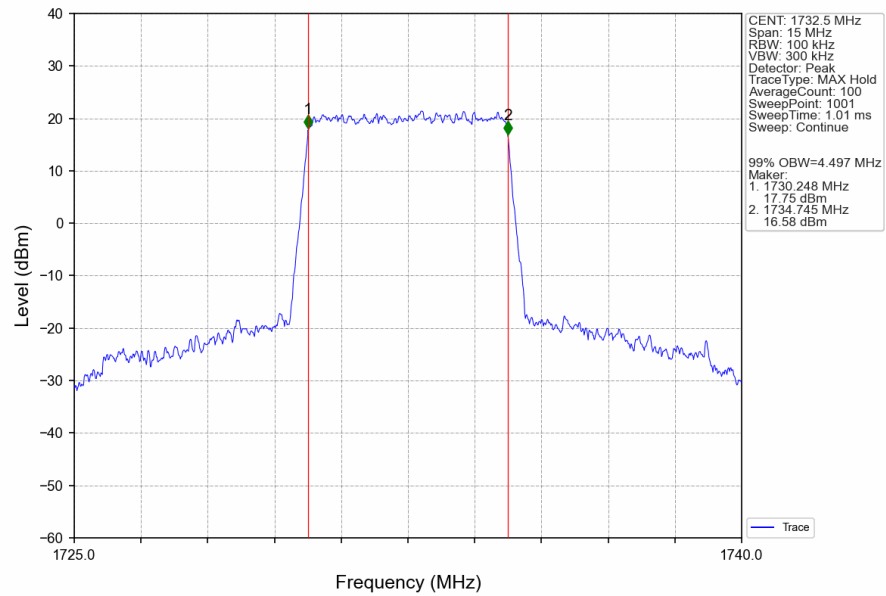
3.2.1 Band4_OBW



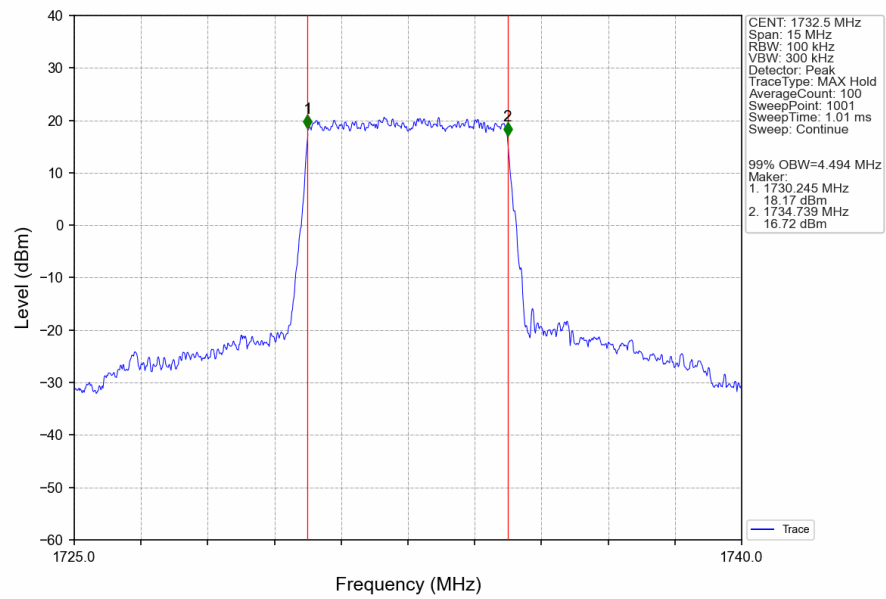




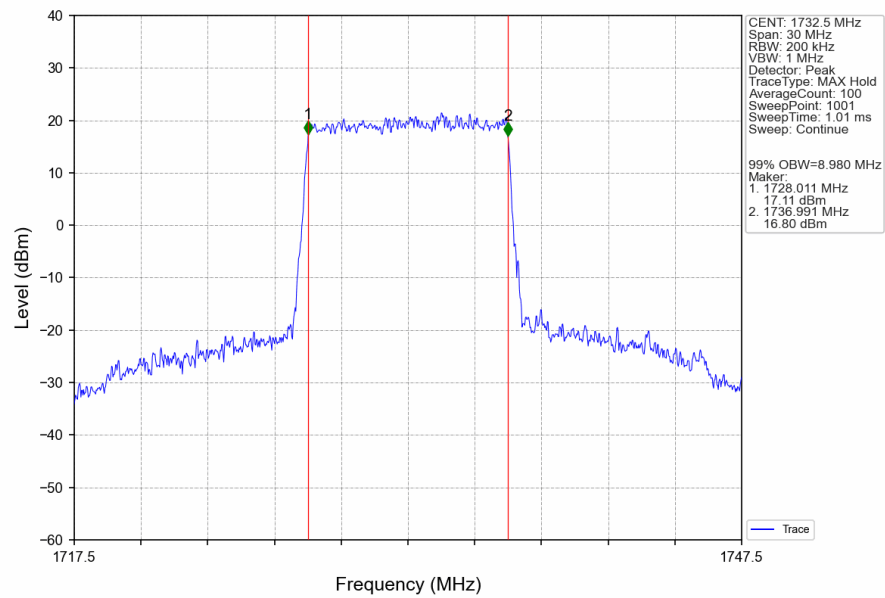
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



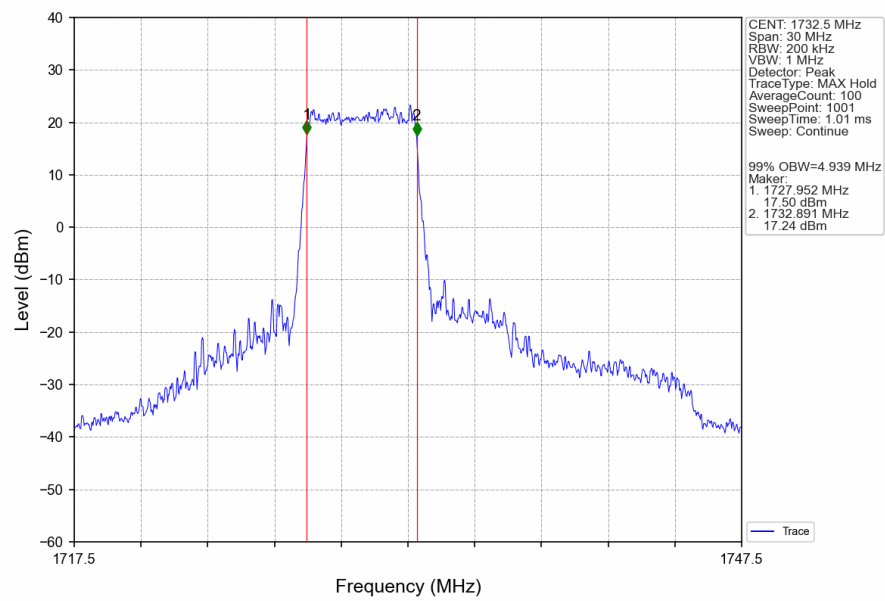
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



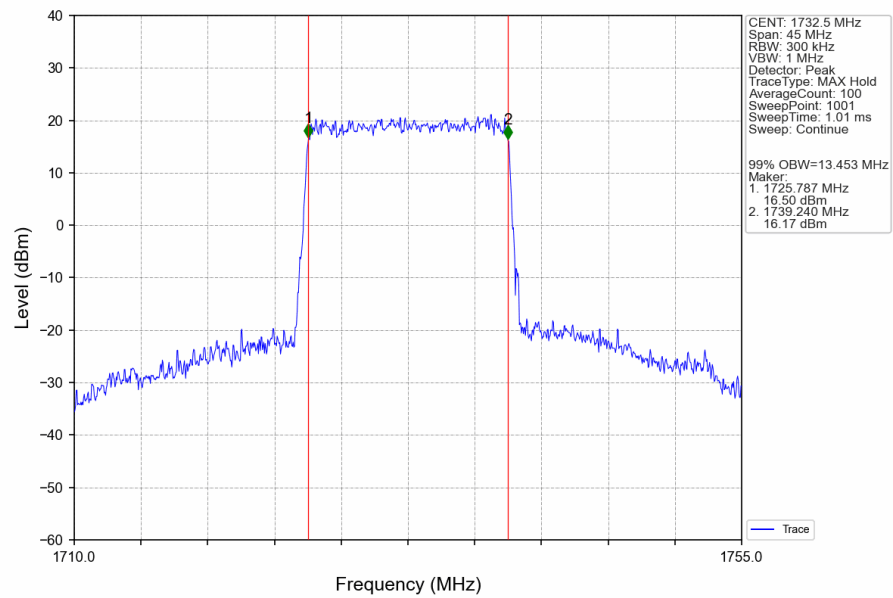
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



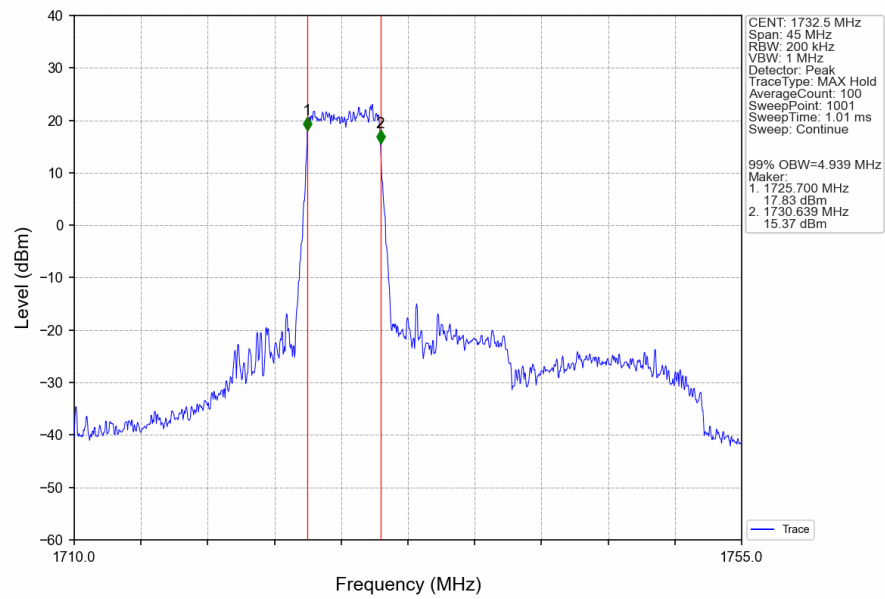
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



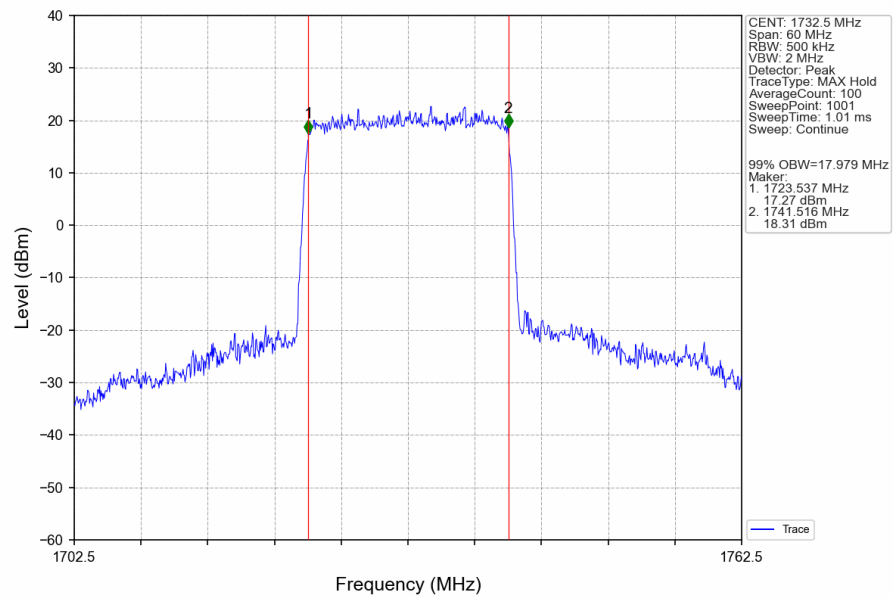
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



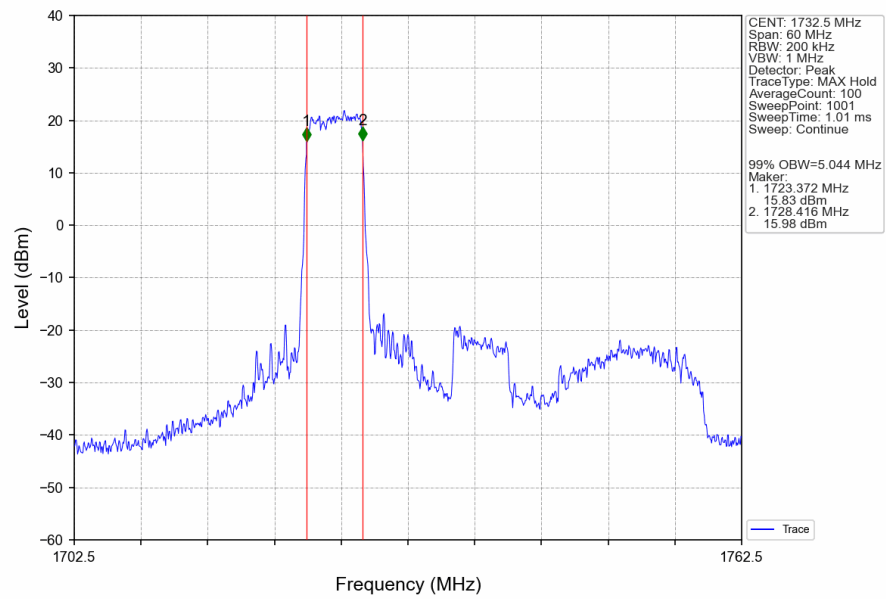
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



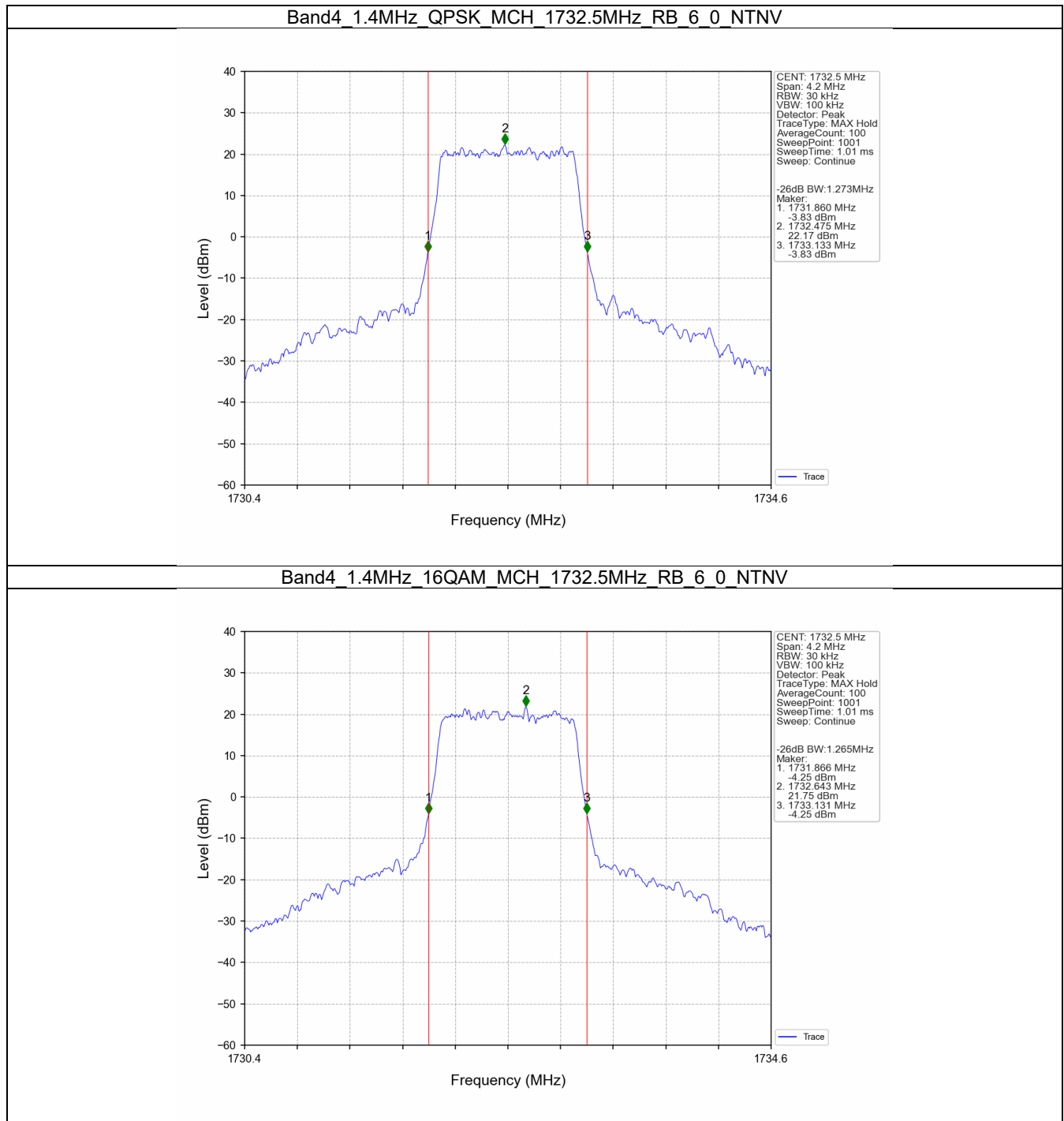
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



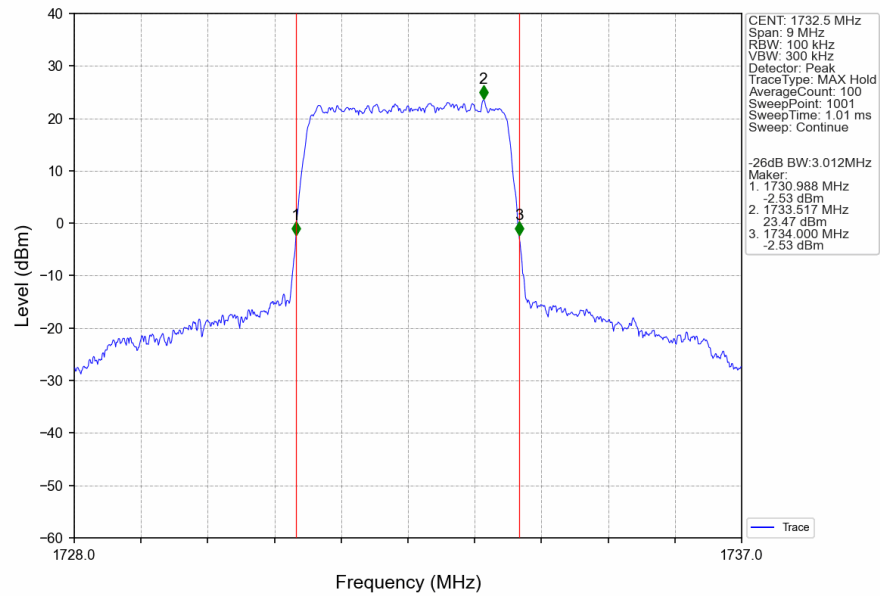
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



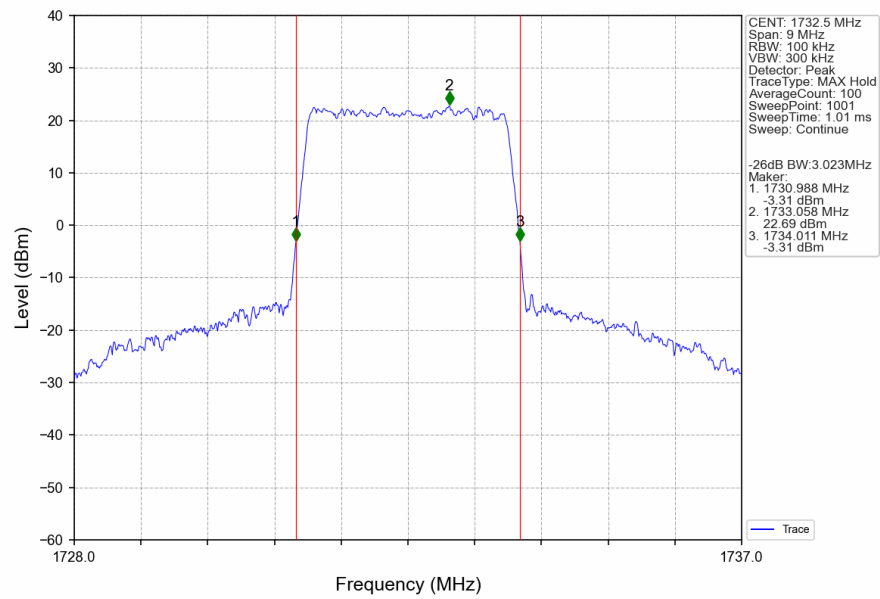
3.2.2 Band4_XDB



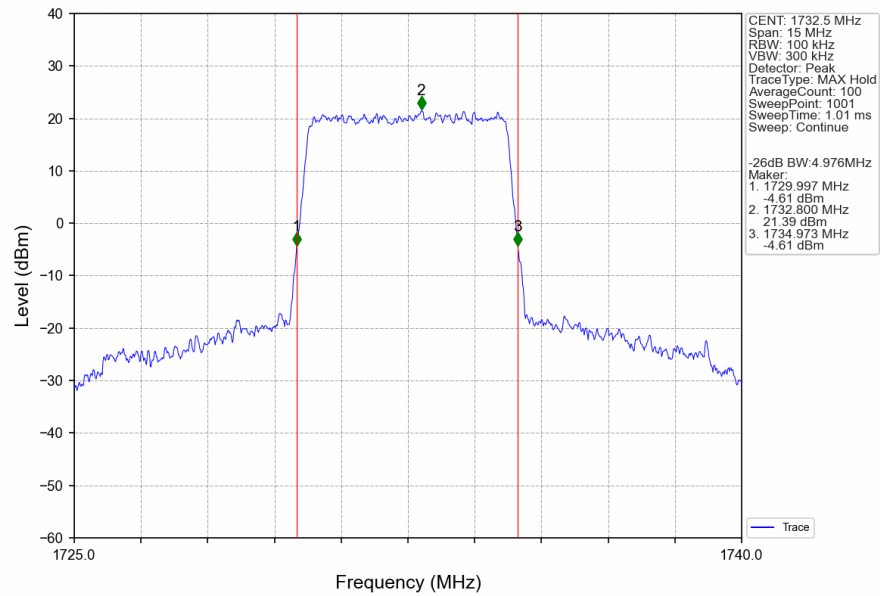
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



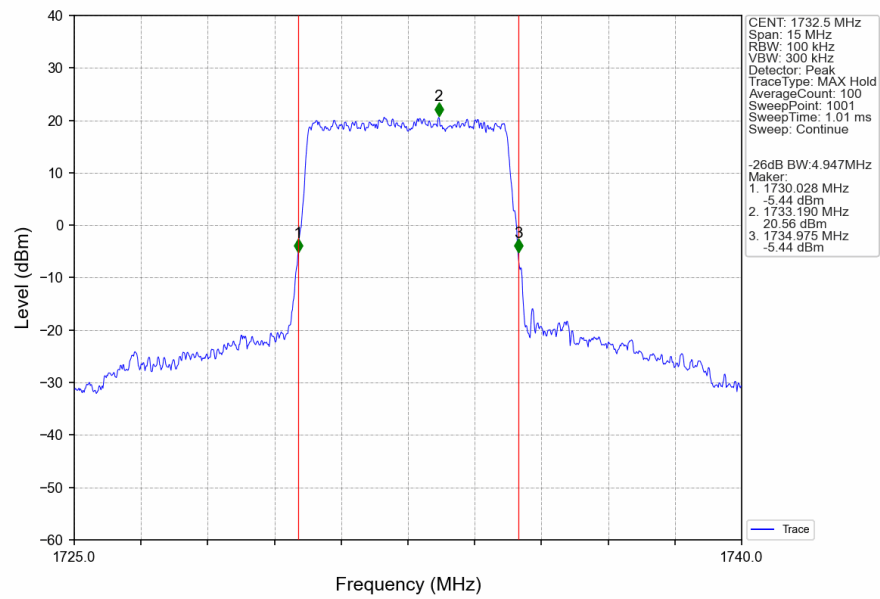
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



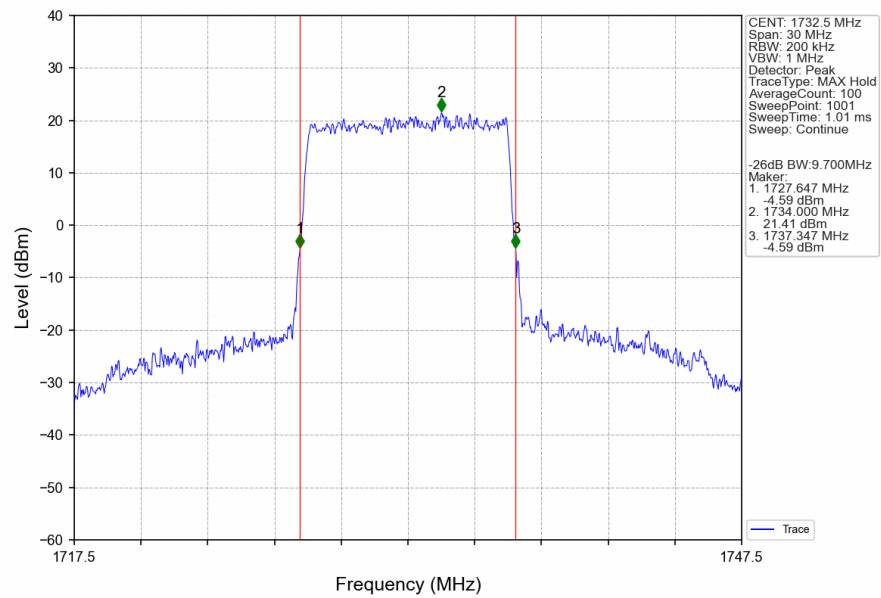
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



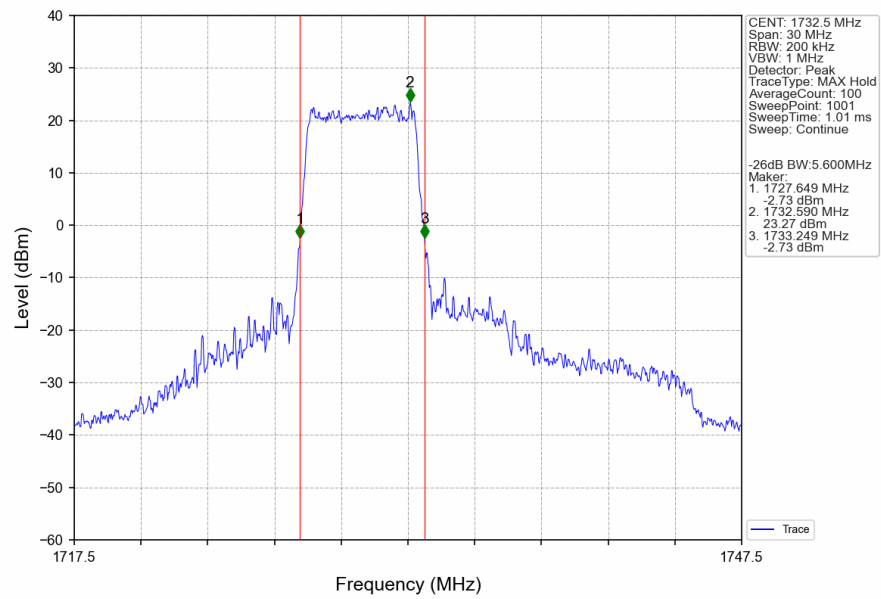
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



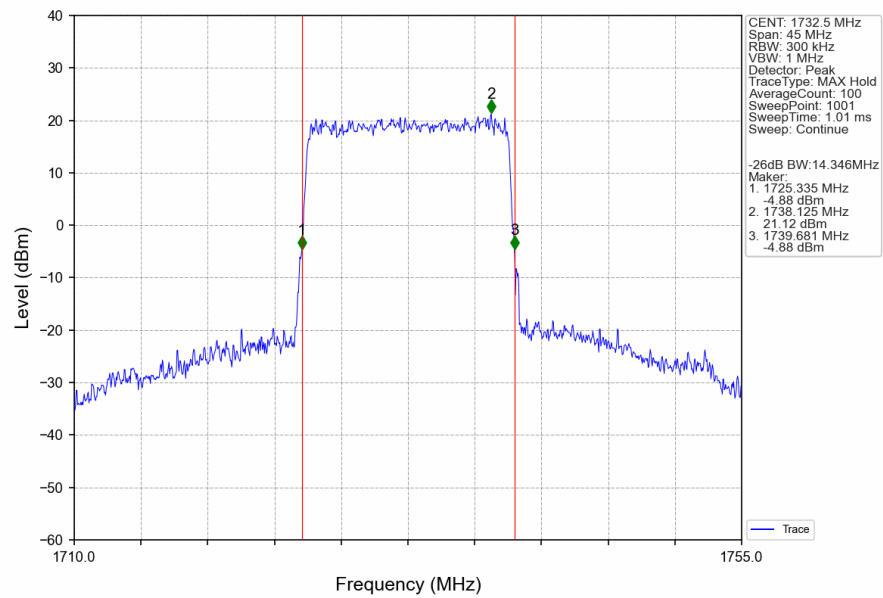
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



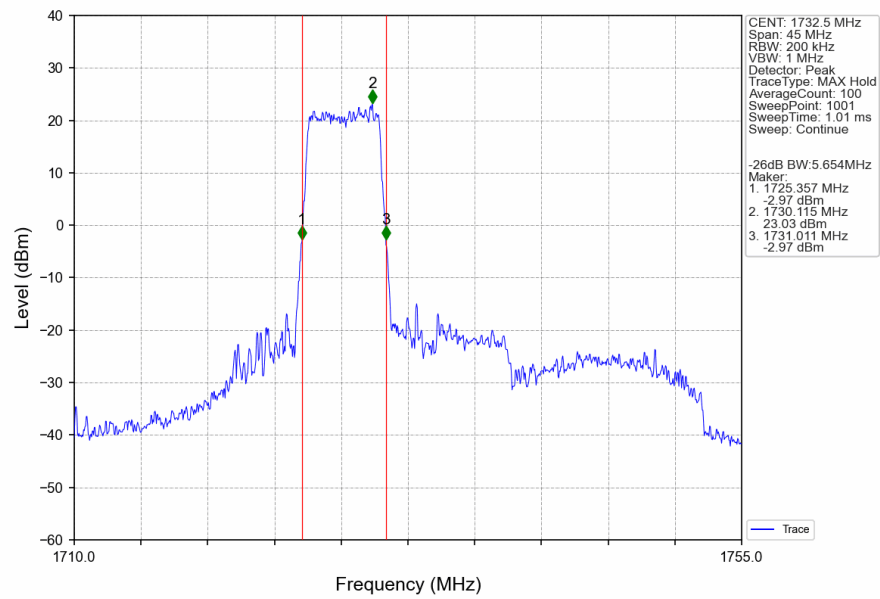
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



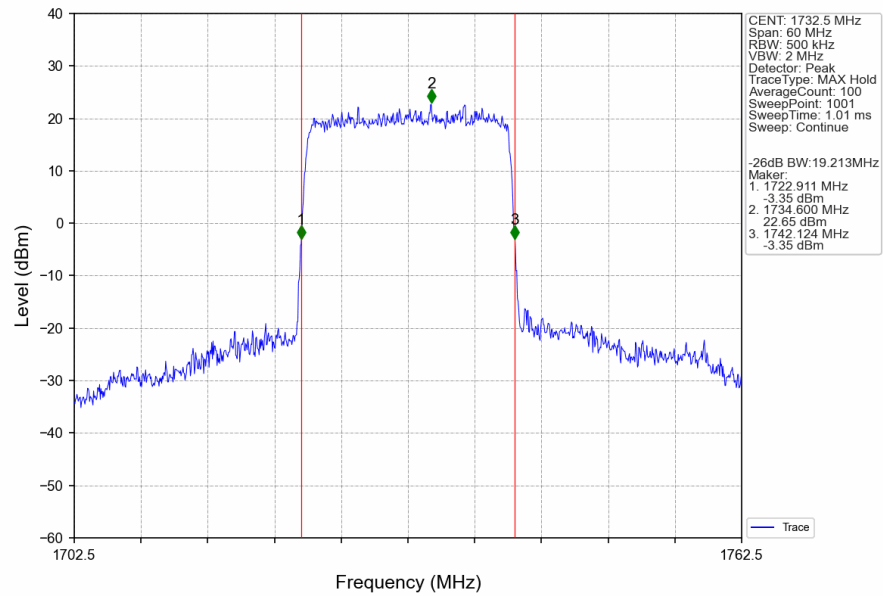
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



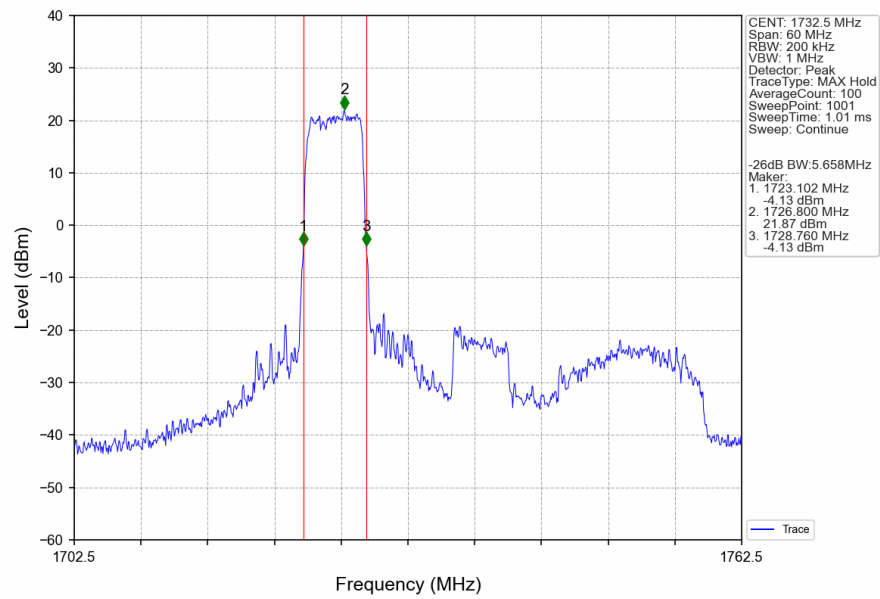
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



4. Peak-Average Ratio

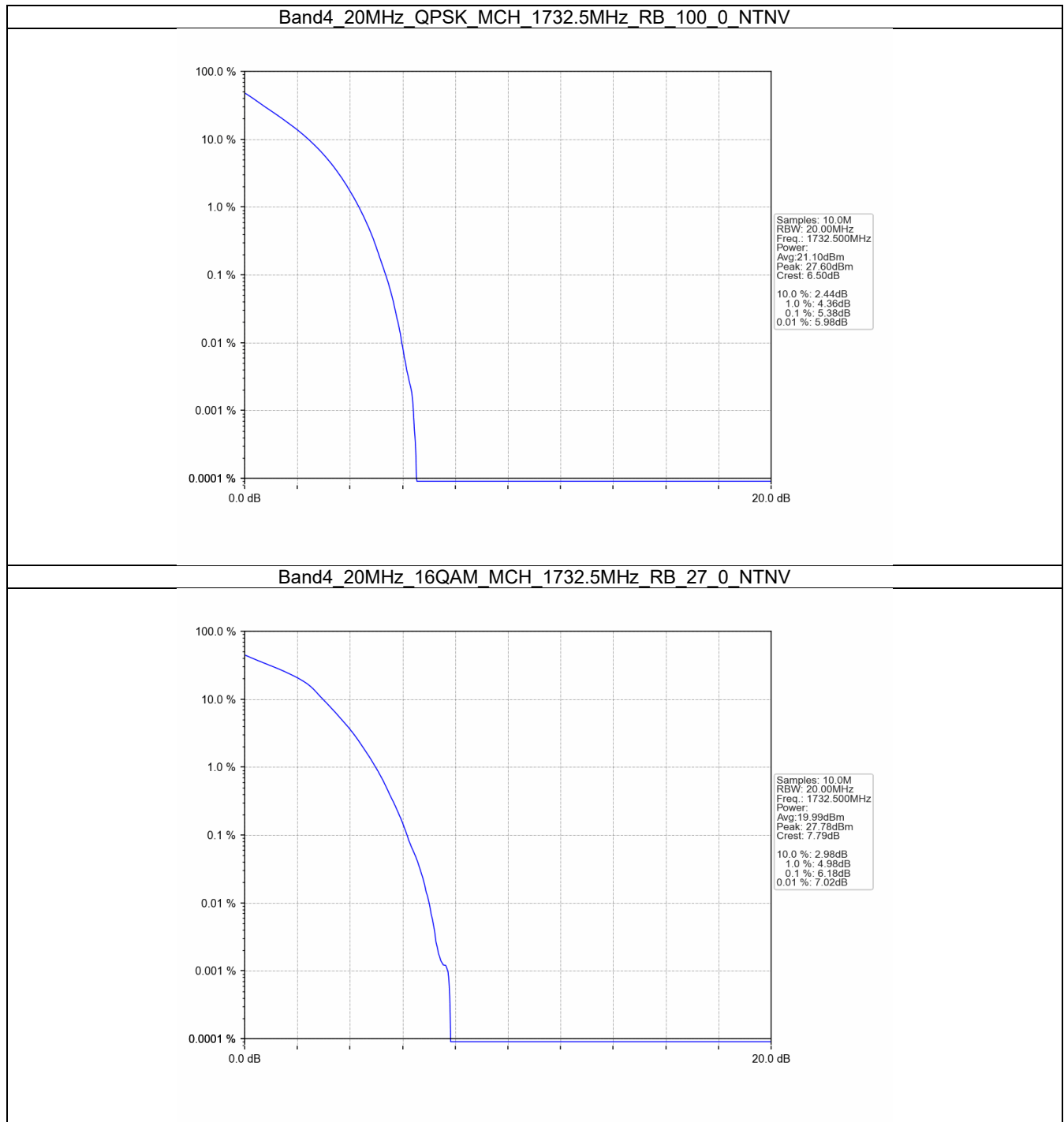
4.1 Test Result

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	5.38	<=13	Pass
16QAM	1732.5	27	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 / NTV						
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
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5.1.5 B4_15MHz

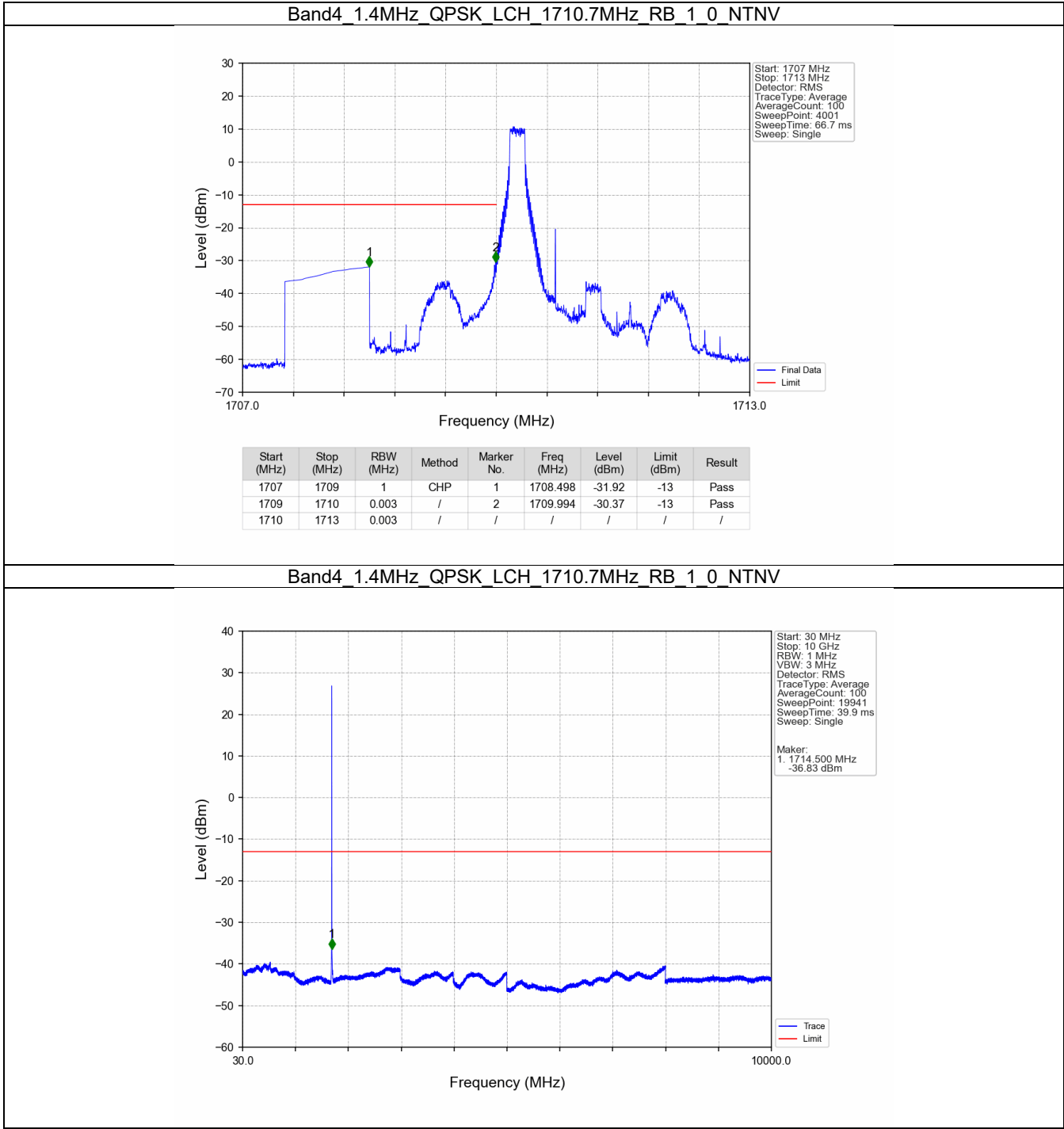
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.6 B4_20MHz

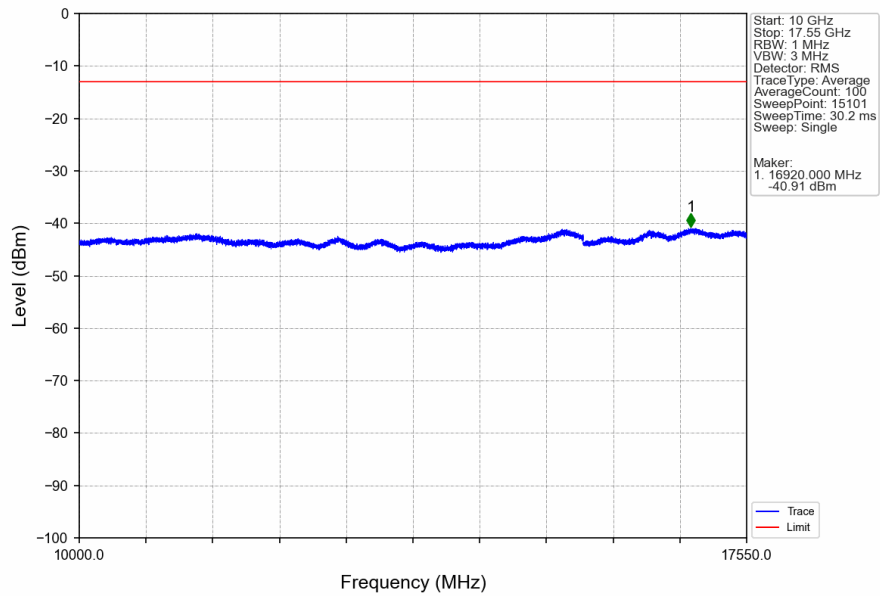
Band: 4 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

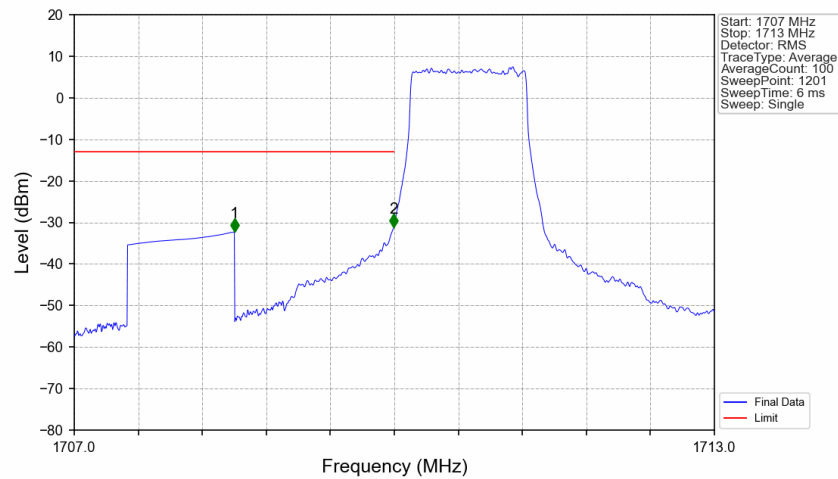
5.2.1 B4_1.4MHz



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

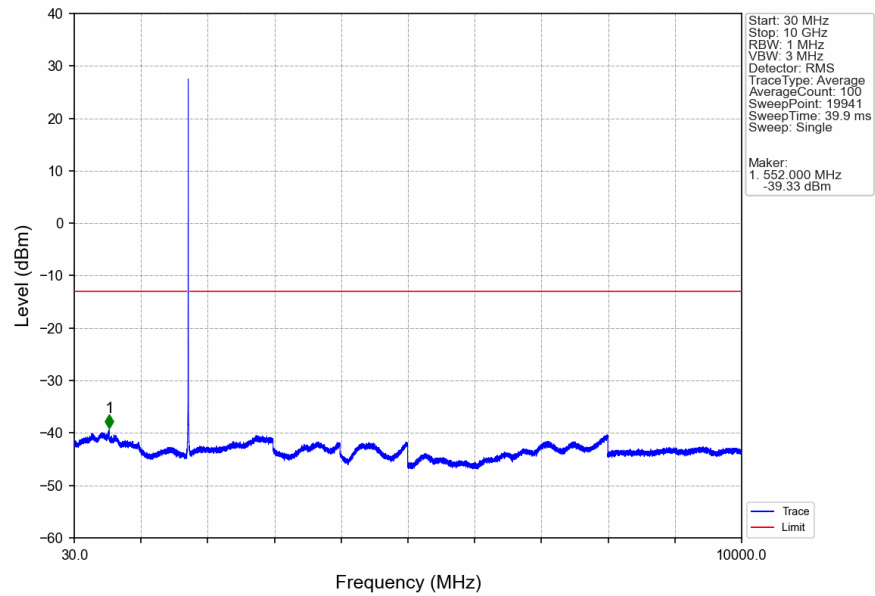


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

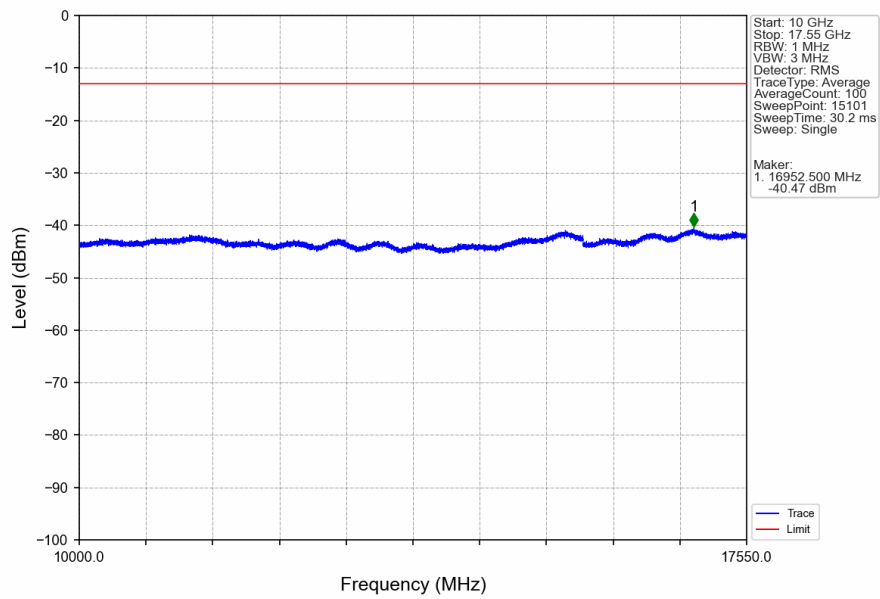


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.29	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-31.16	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

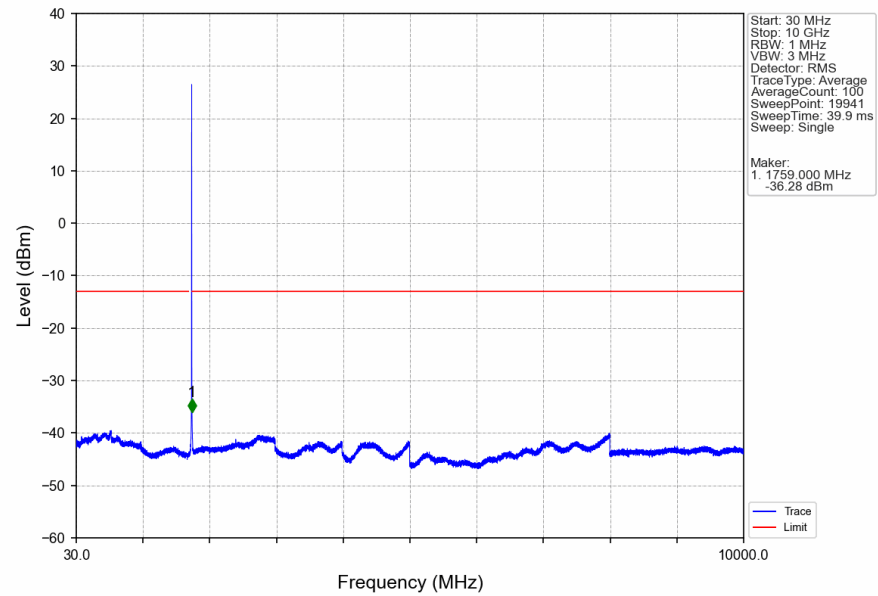
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



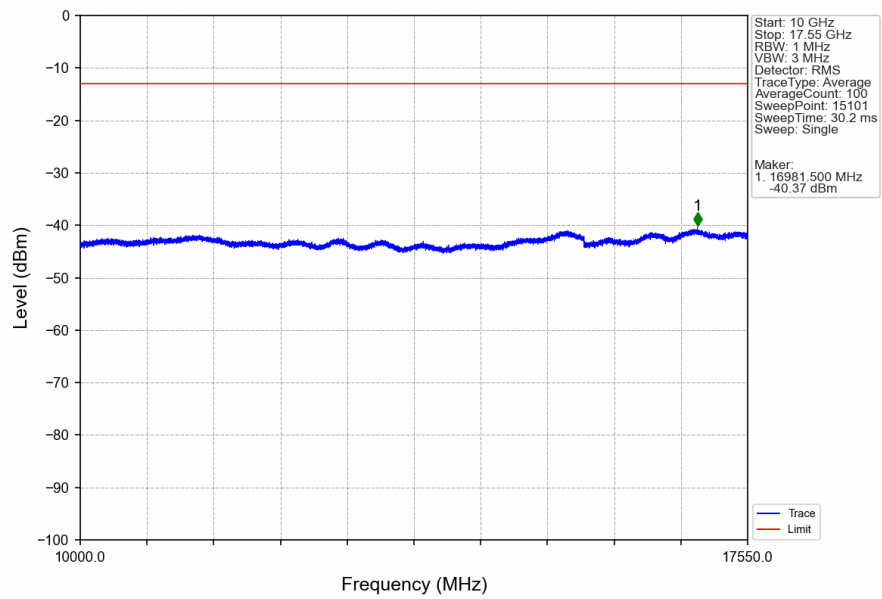
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



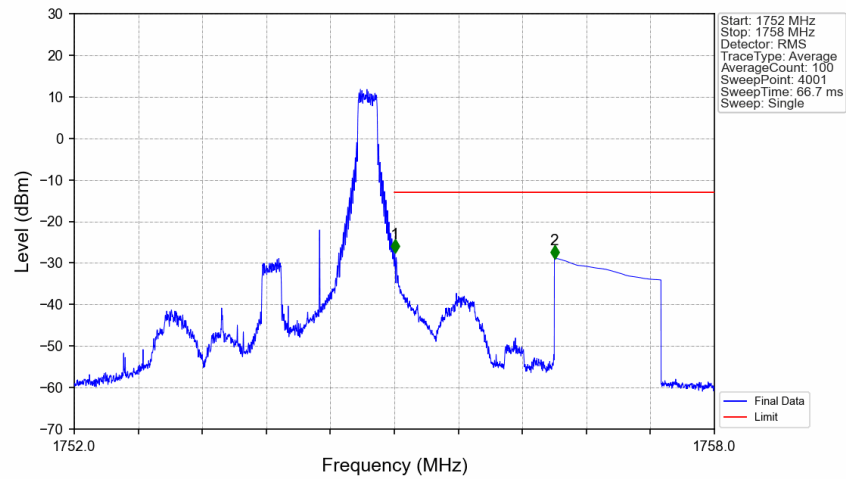
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

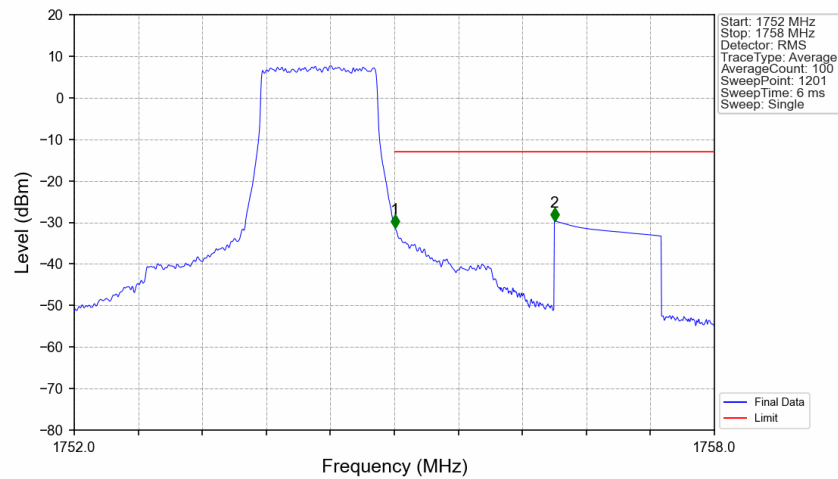


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.005	-27.47	-13	Pass
1756	1758	1	CHP	2	1756.500	-28.92	-13	Pass

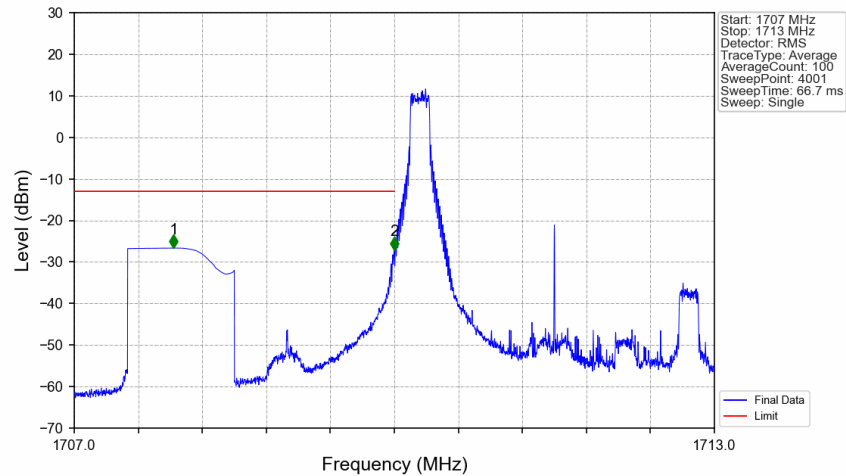
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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	-31.25	-13	Pass
1756	1758	1	CHP	2	1756.500	-29.64	-13	Pass

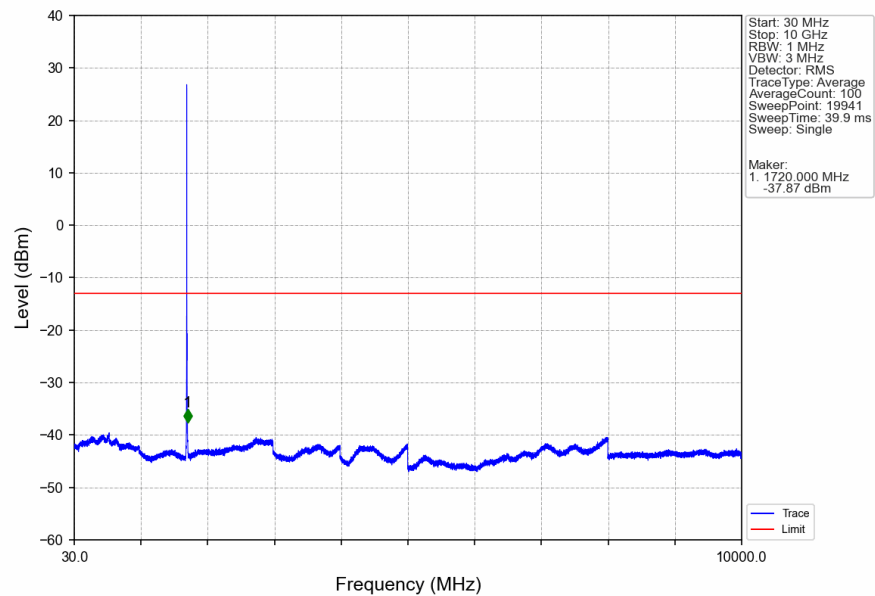
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

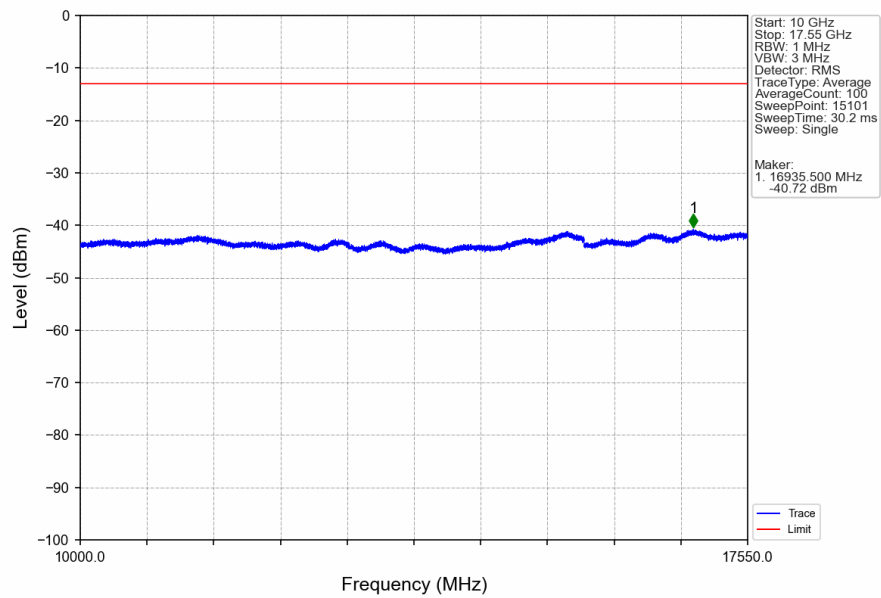


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.931	-26.66	-13	Pass
1709	1710	0.003	/	2	1709.998	-27.05	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

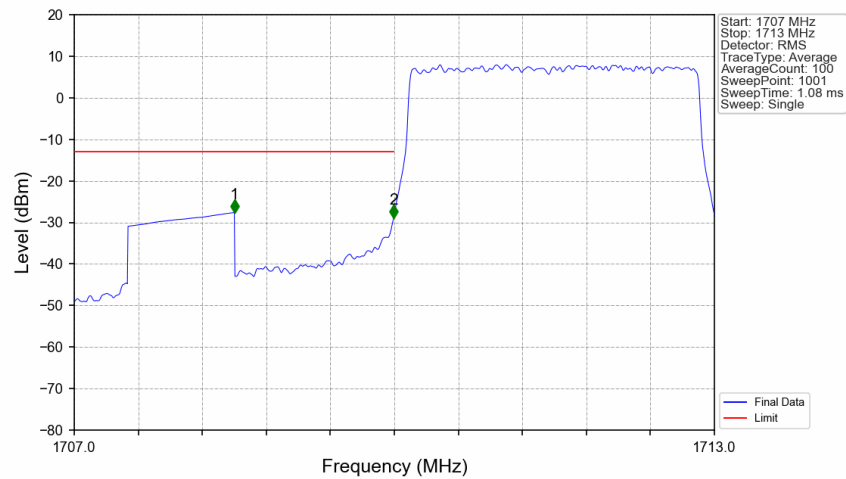
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

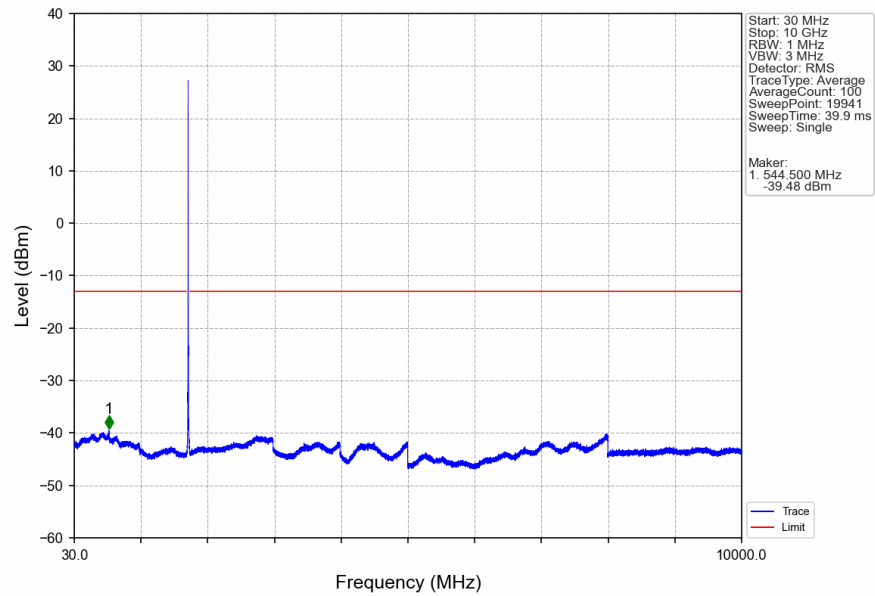


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

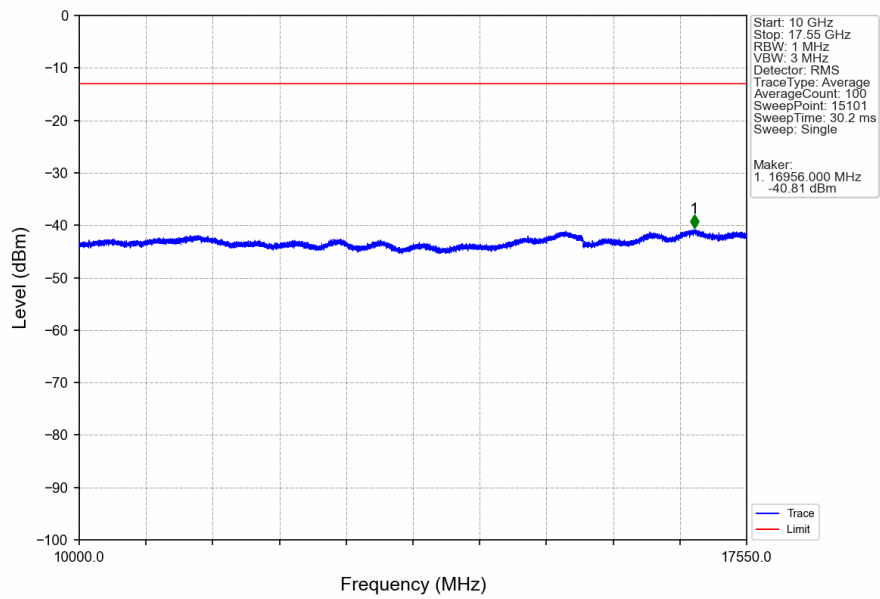


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.63	-13	Pass
1709	1710	0.03	/	2	1709.994	-28.90	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

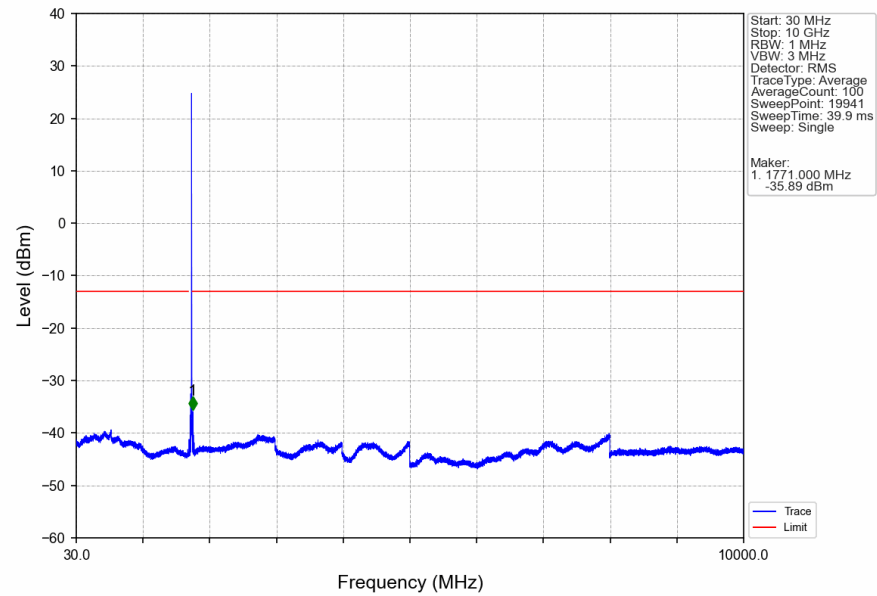
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



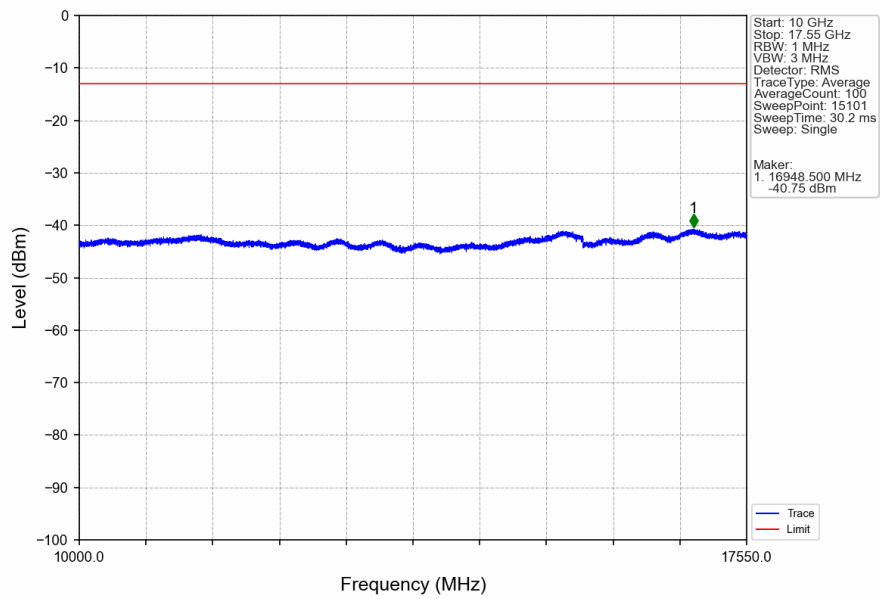
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



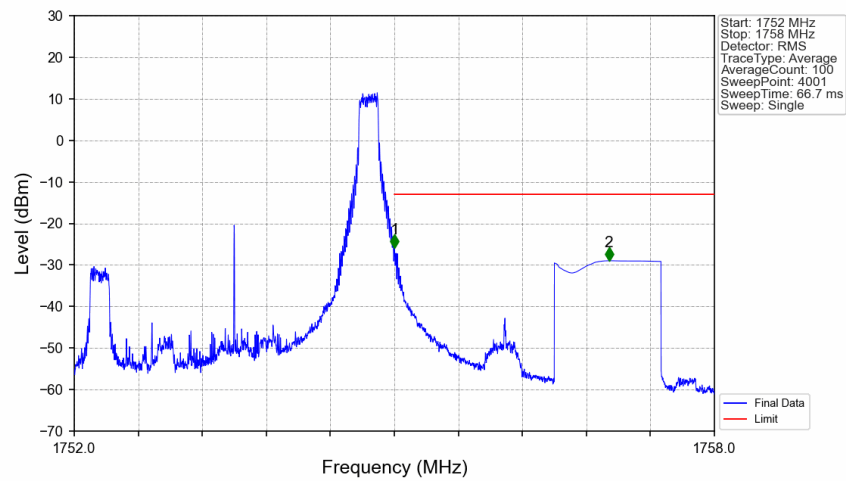
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

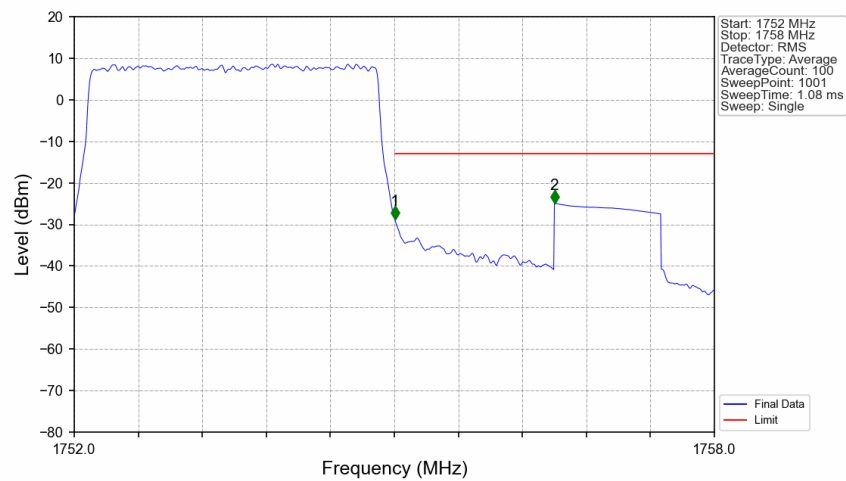


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	-25.93	-13	Pass
1756	1758	1	CHP	2	1757.012	-28.99	-13	Pass

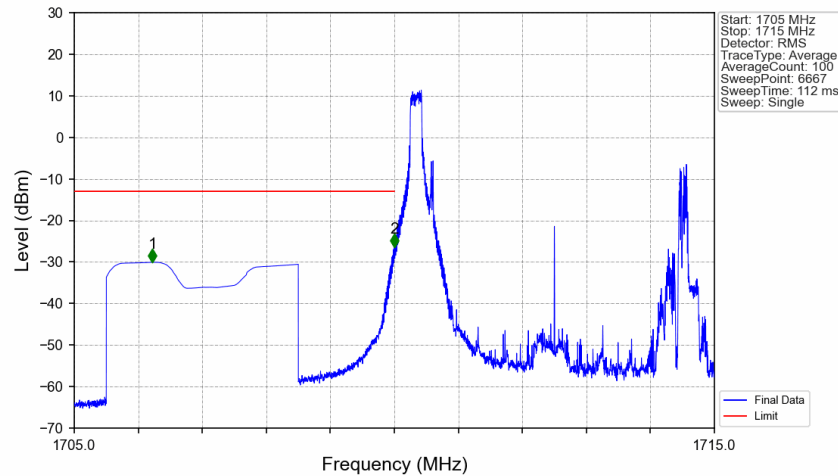
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.006	-28.85	-13	Pass
1756	1758	1	CHP	2	1756.500	-24.92	-13	Pass

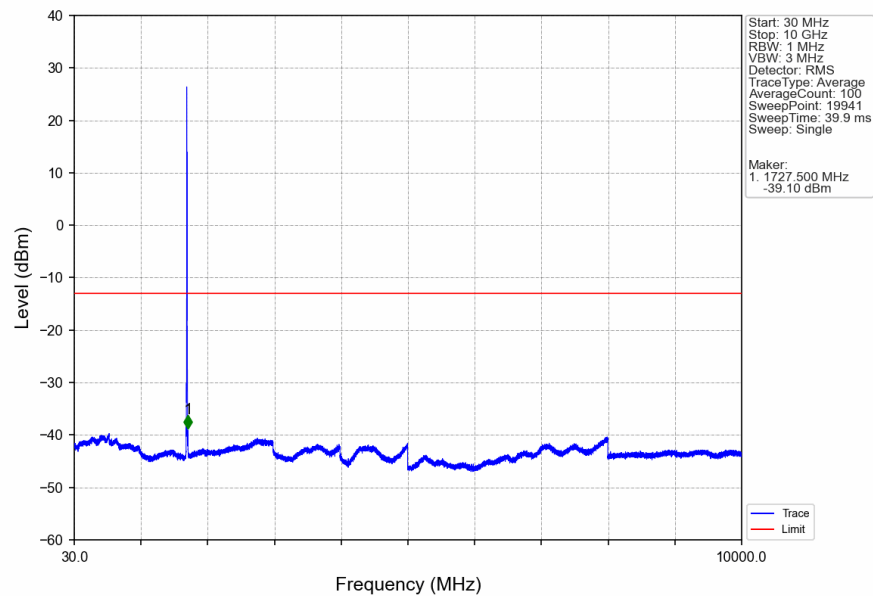
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

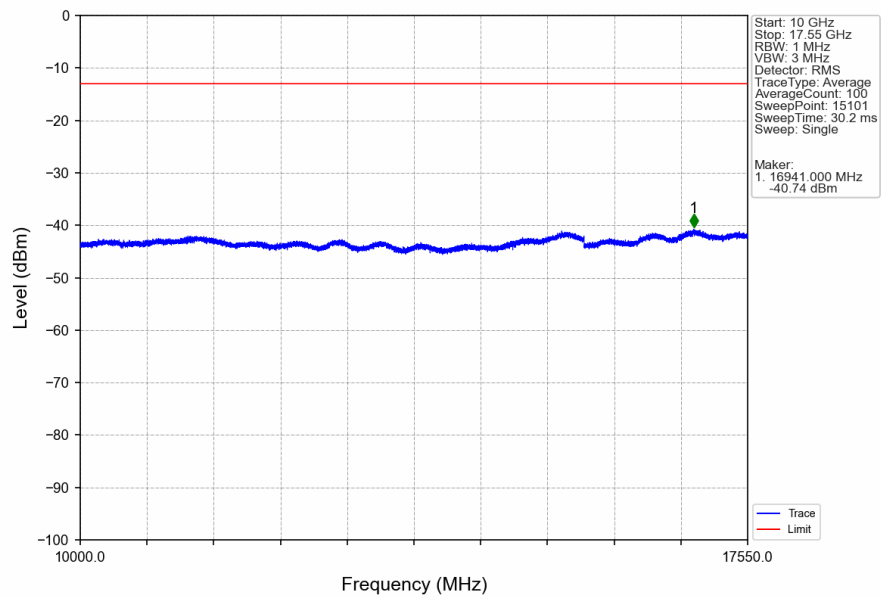


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.220	-30.08	-13	Pass
1709	1710	0.003	/	2	1709.997	-26.44	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

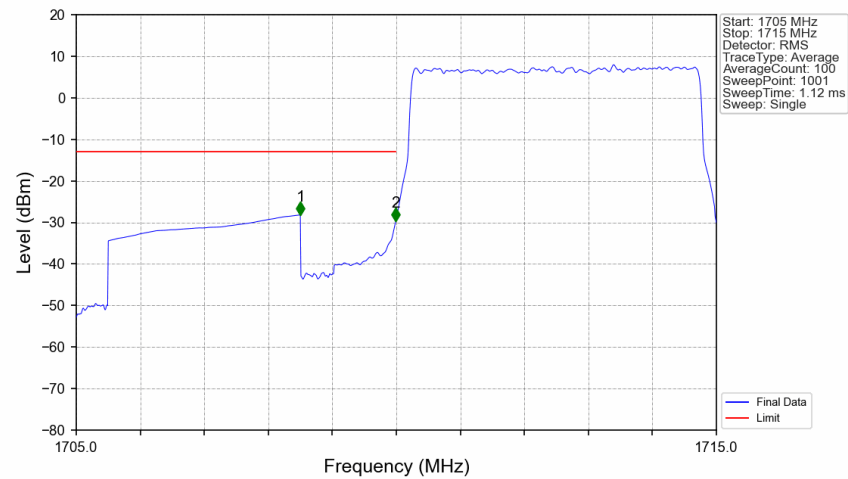
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

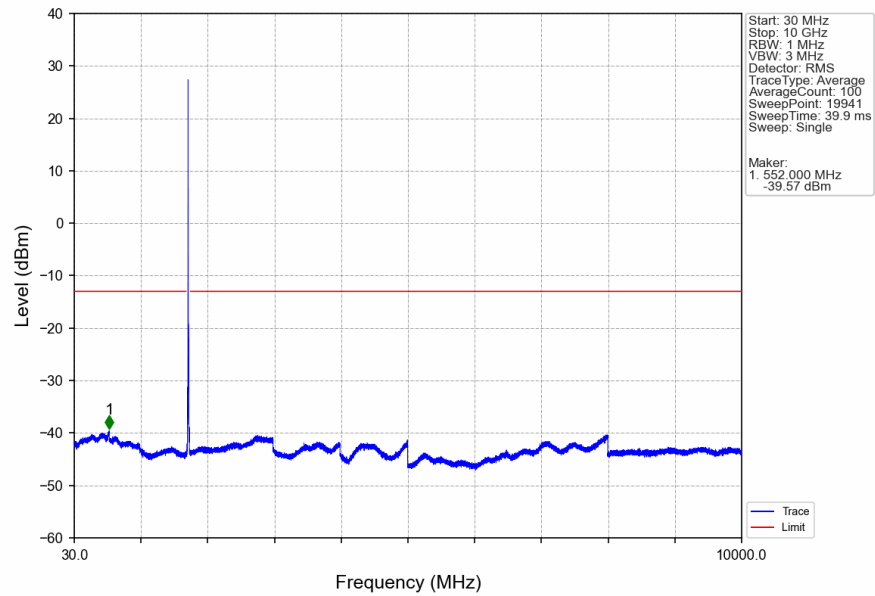


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

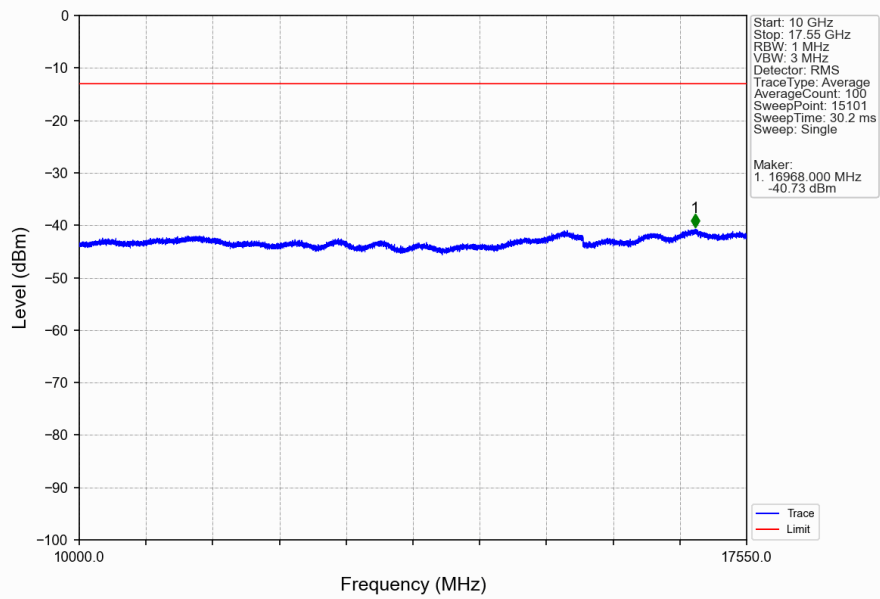


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-28.21	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-29.75	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

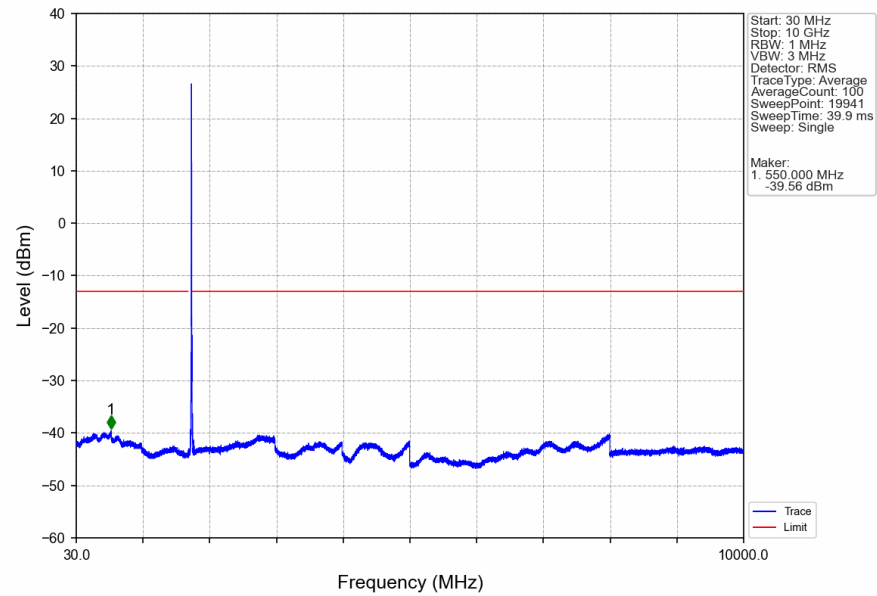
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



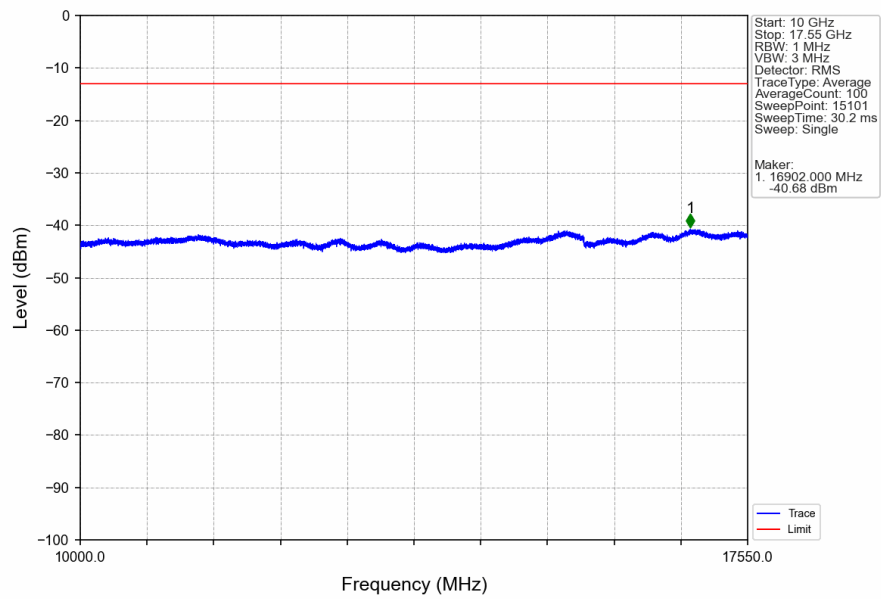
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



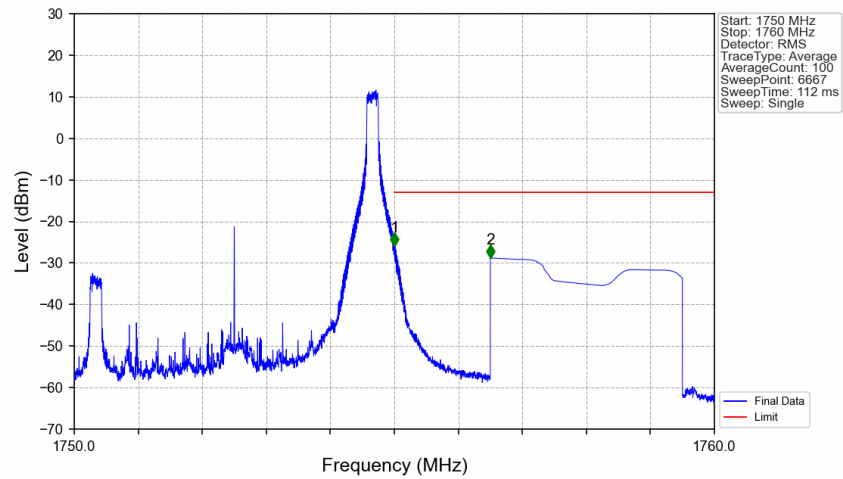
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

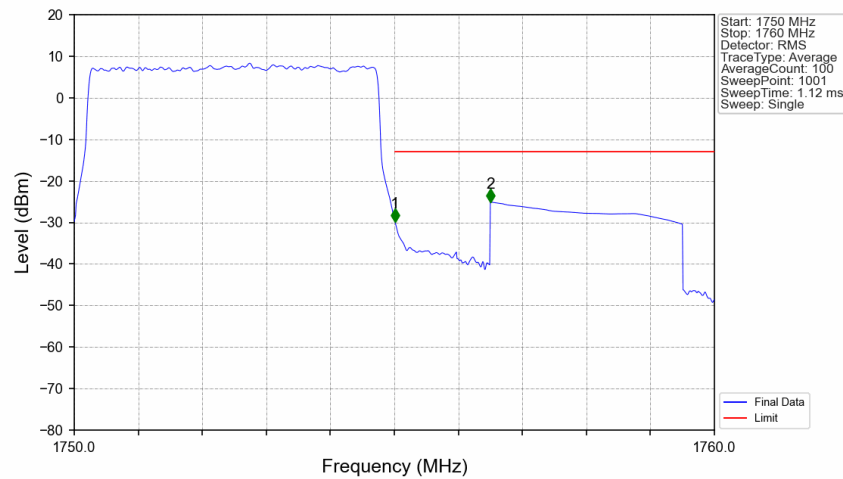


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	-25.79	-13	Pass
1756	1760	1	CHP	2	1756.500	-28.83	-13	Pass

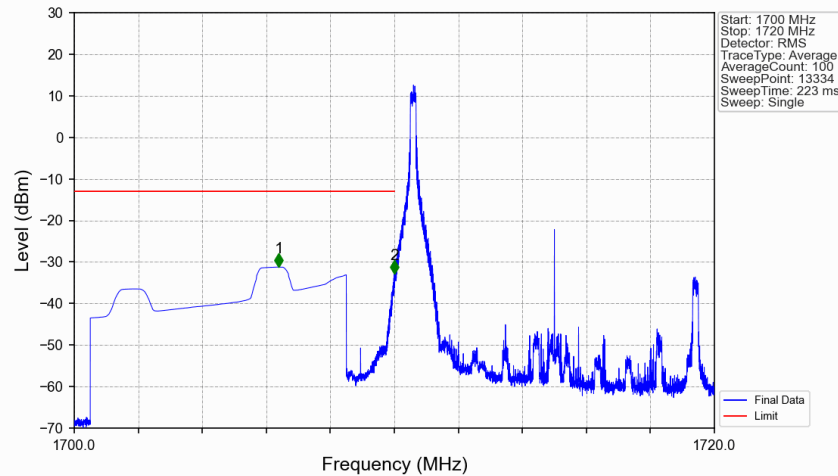
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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	-29.81	-13	Pass
1756	1760	1	CHP	2	1756.500	-25.10	-13	Pass

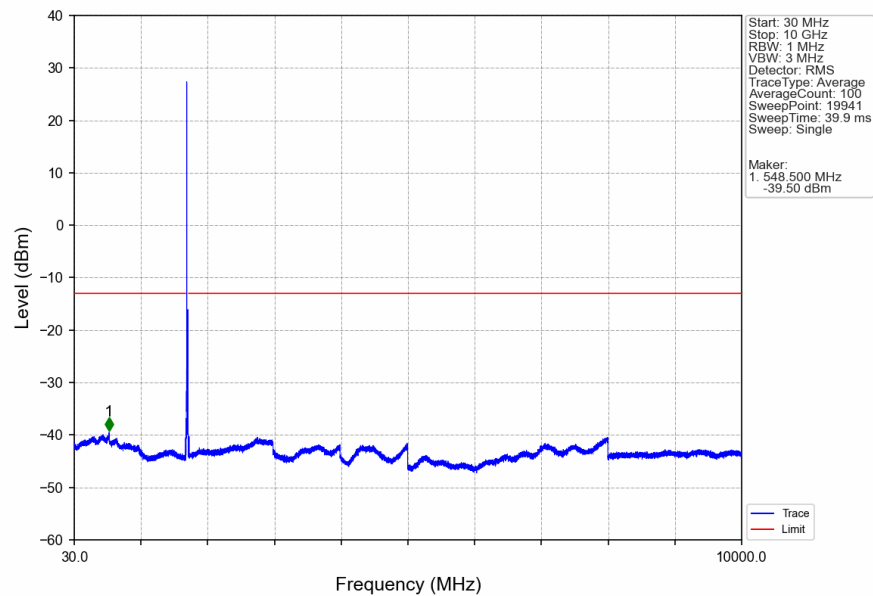
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

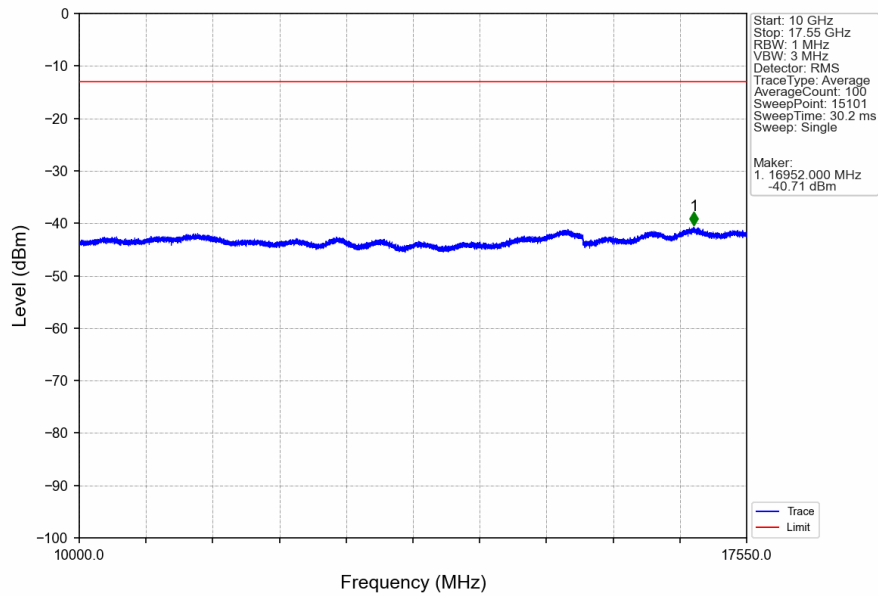


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.389	-31.23	-13	Pass
1709	1710	0.003	/	2	1709.996	-32.72	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

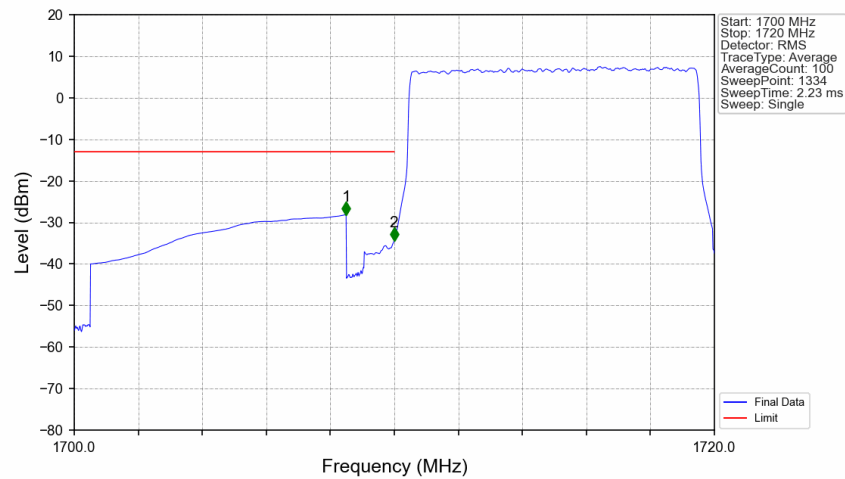
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

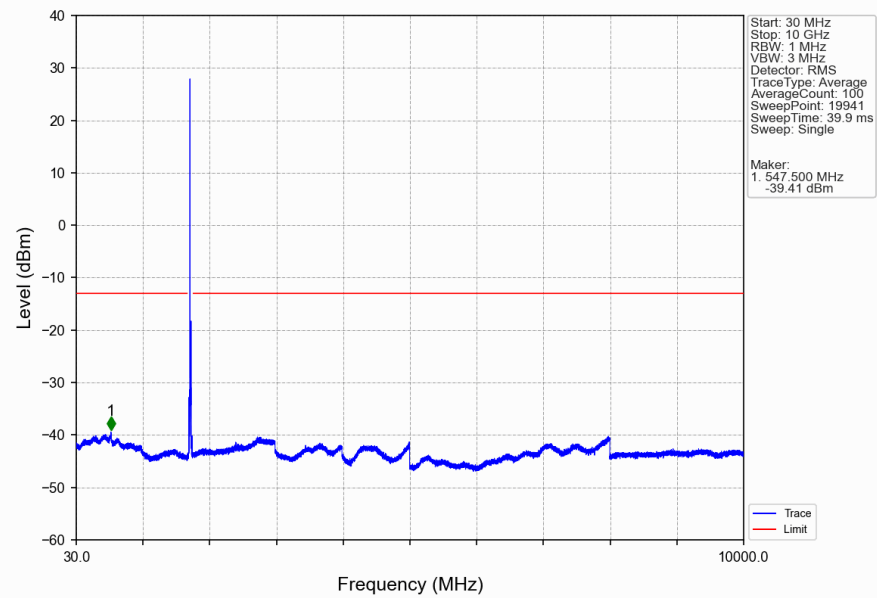


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

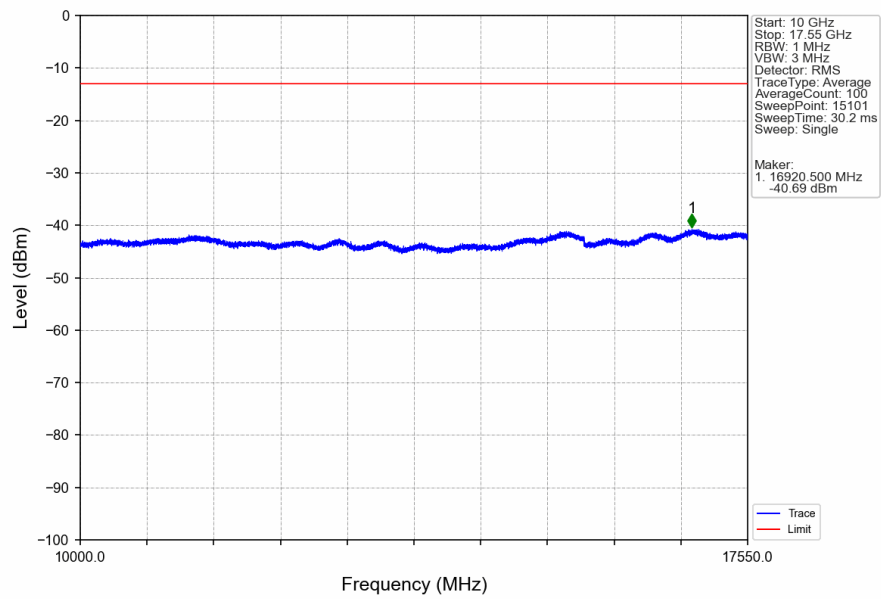


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.492	-28.14	-13	Pass
1709	1710	0.097	CHP	2	1709.992	-34.39	-13	Pass
1710	1720	0.097	CHP	/	/	/	/	/

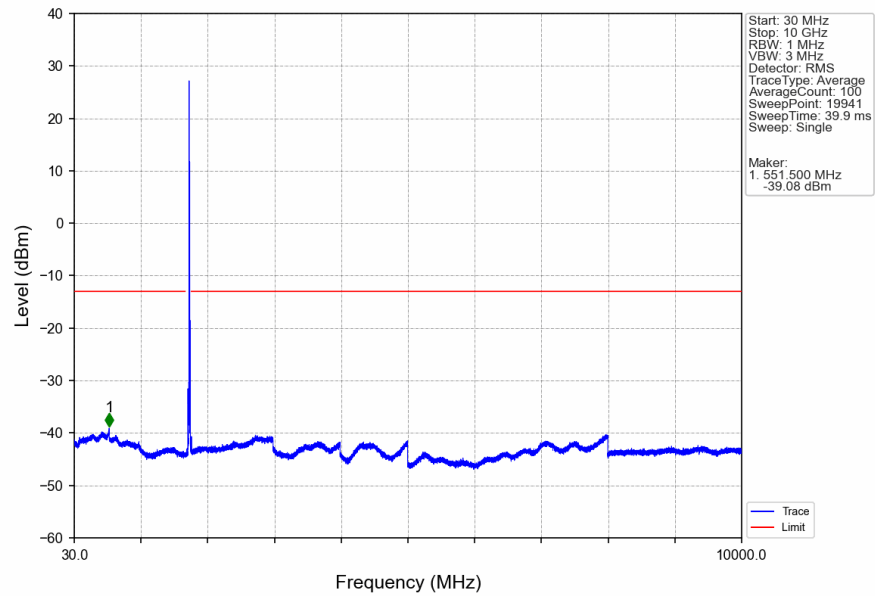
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



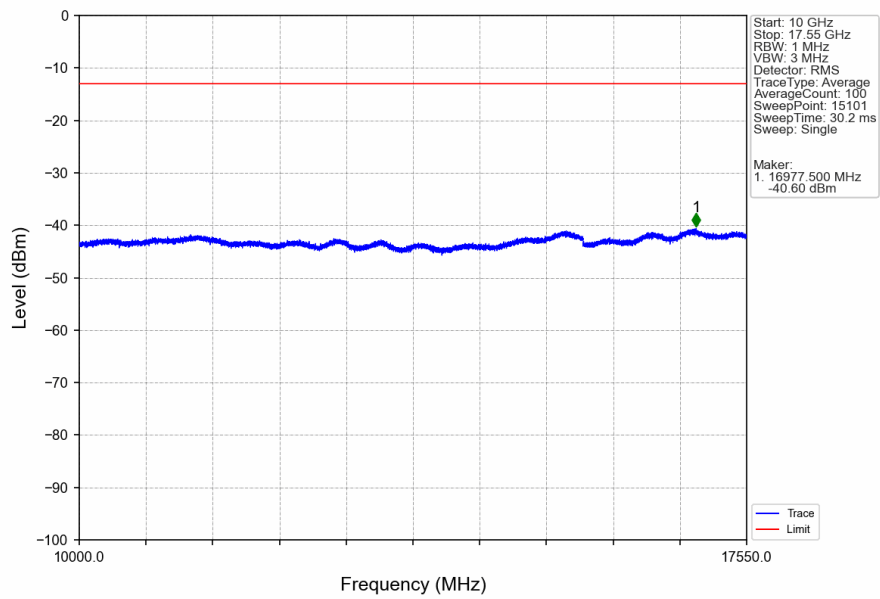
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



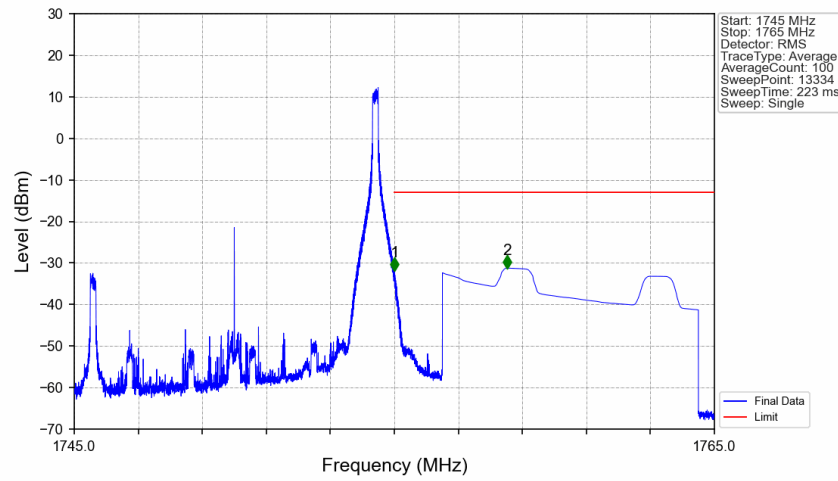
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

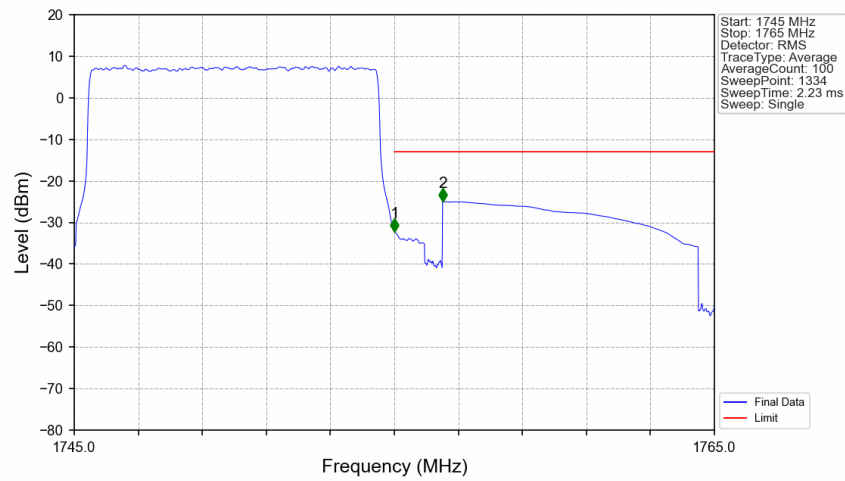


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



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	1755.004	-31.88	-13	Pass
1756	1765	1	CHP	2	1758.517	-31.26	-13	Pass

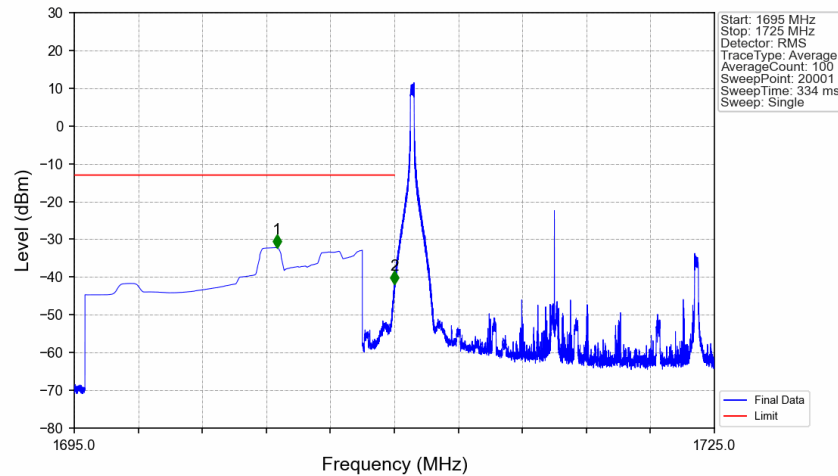
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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	-32.18	-13	Pass
1756	1765	1	CHP	2	1756.508	-24.99	-13	Pass

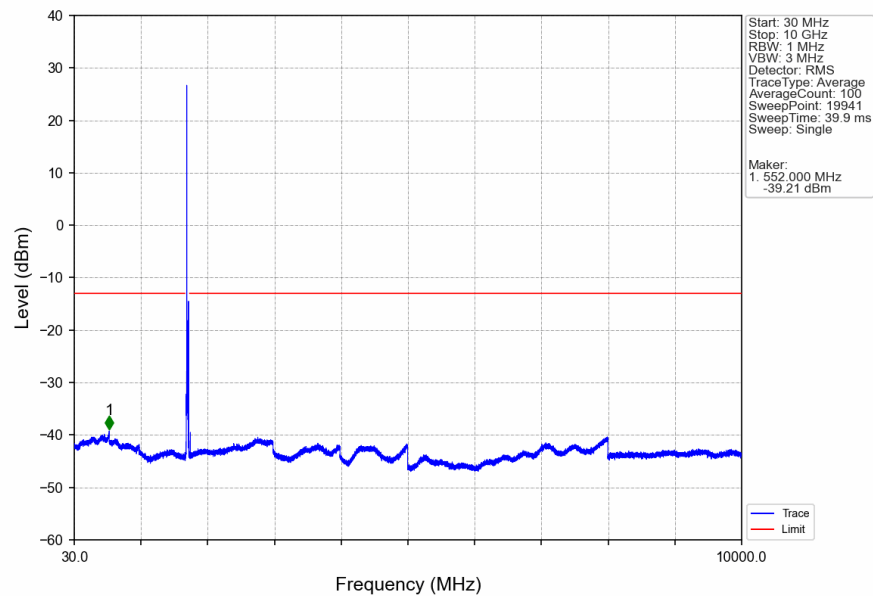
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

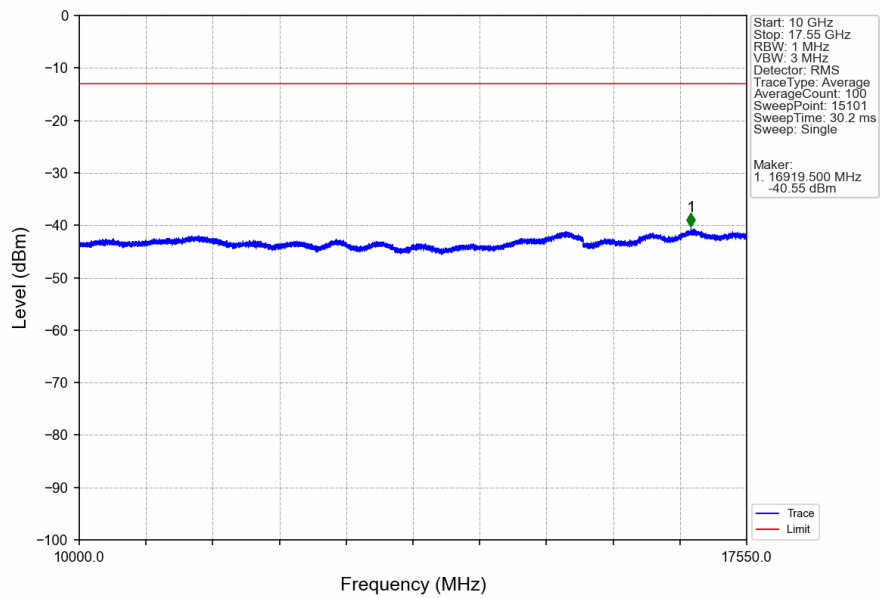


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.504	-32.18	-13	Pass
1709	1710	0.003	/	2	1709.997	-41.82	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

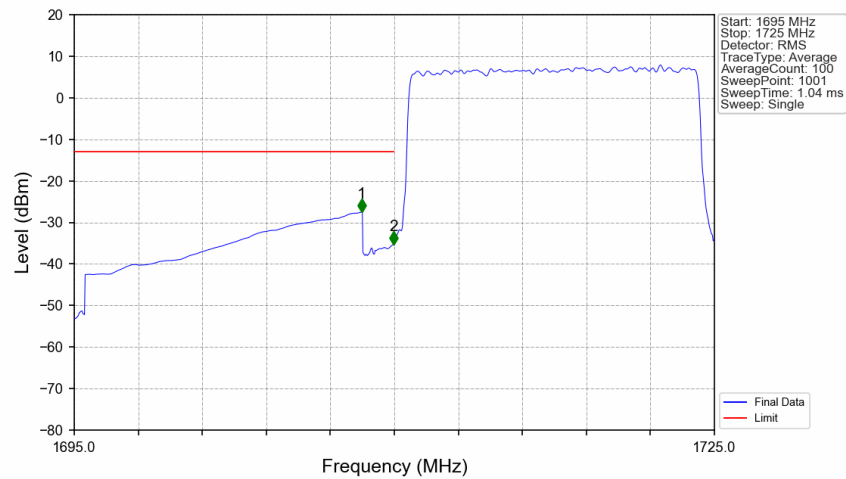
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

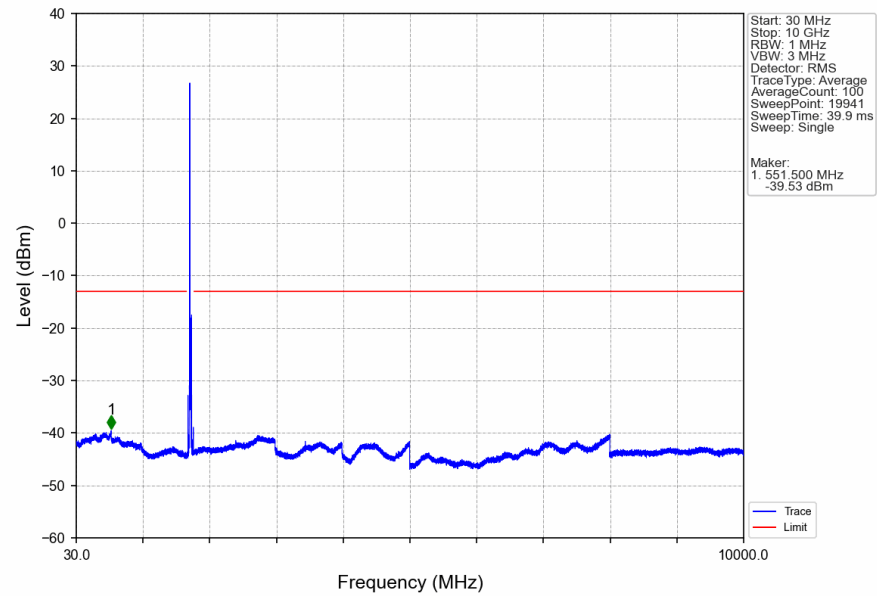


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

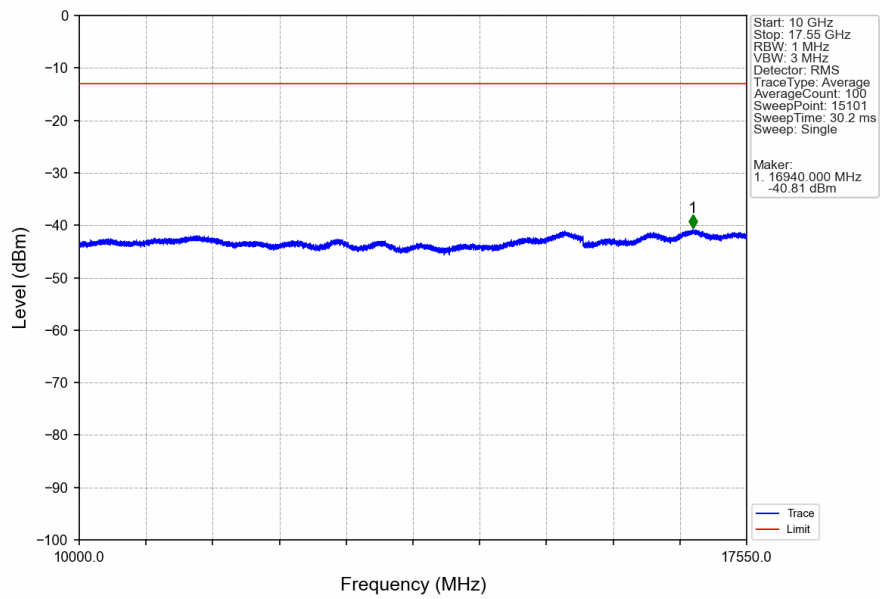


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-27.53	-13	Pass
1709	1710	0.144	CHP	2	1709.970	-35.26	-13	Pass
1710	1725	0.144	CHP	/	/	/	/	/

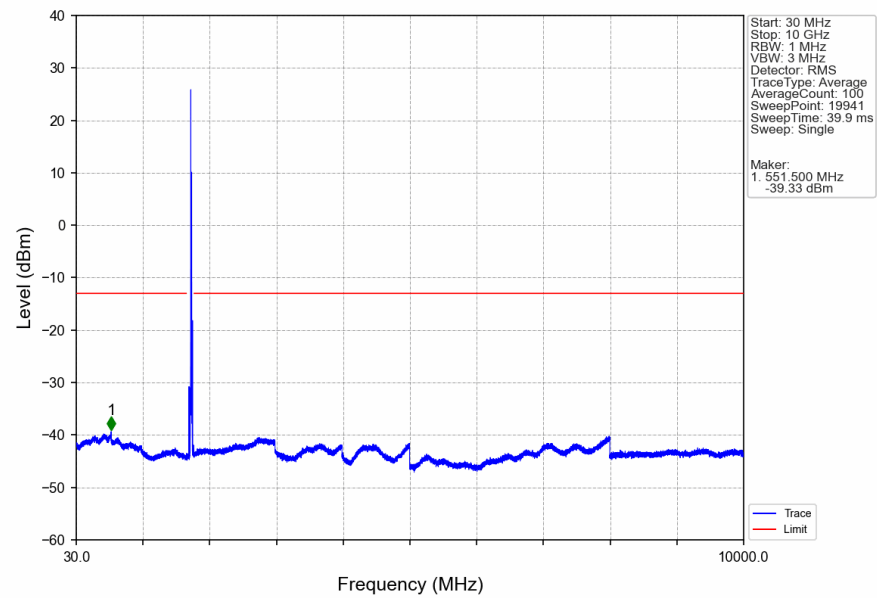
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



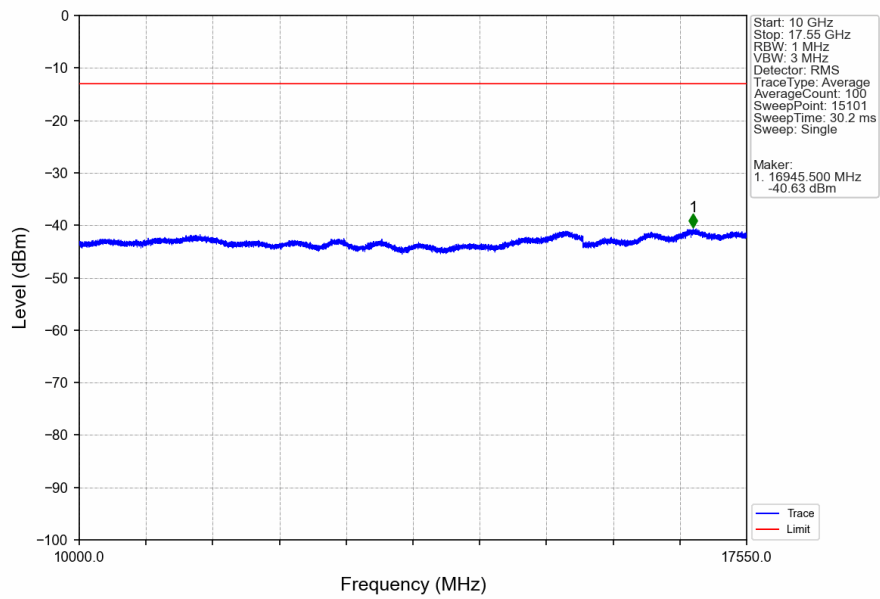
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



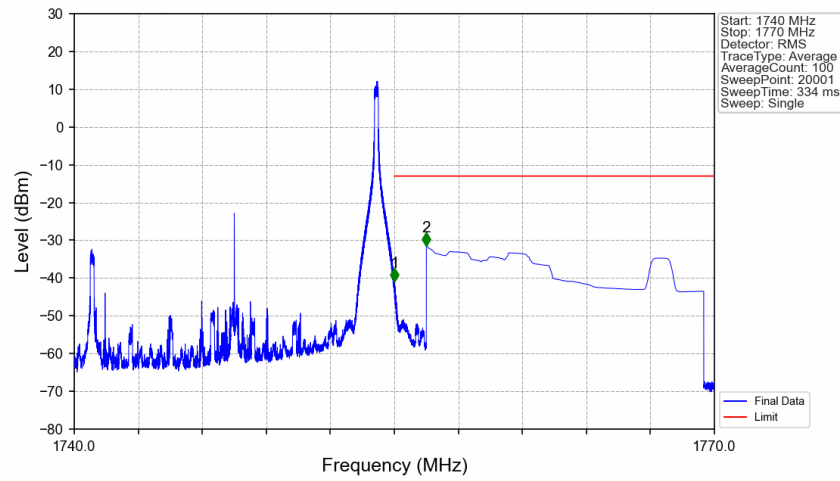
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

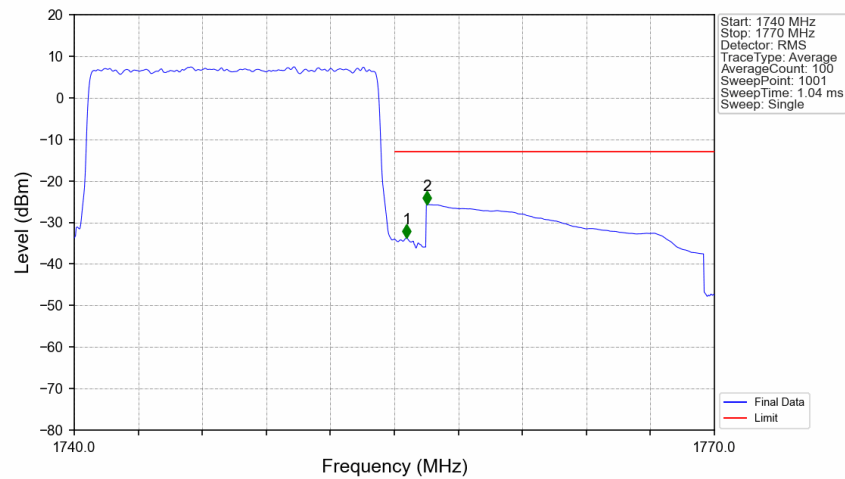


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.005	-40.93	-13	Pass
1756	1770	1	CHP	2	1756.500	-31.42	-13	Pass

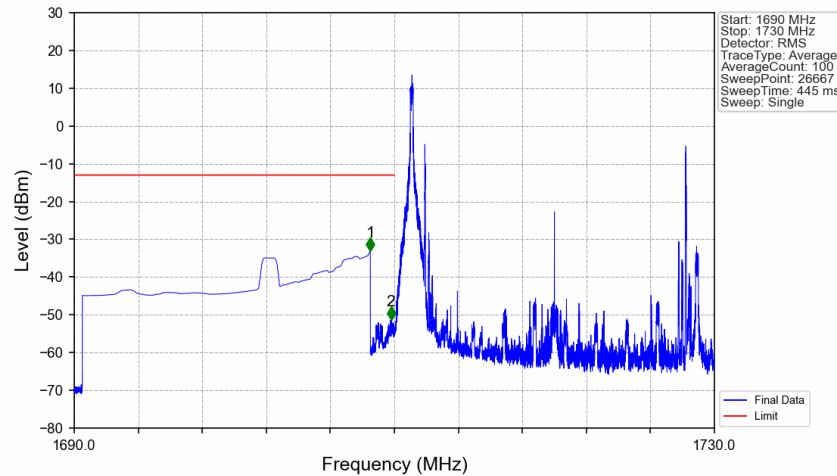
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.144	CHP	/	/	/	/	/
1755	1756	0.144	CHP	1	1755.570	-33.76	-13	Pass
1756	1770	1	CHP	2	1756.530	-25.70	-13	Pass

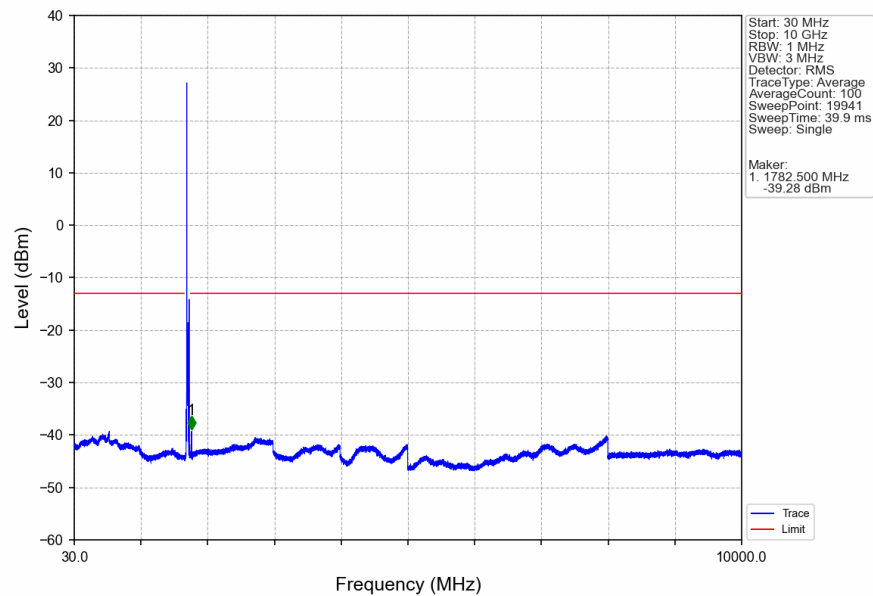
5.2.6 B4_20MHz

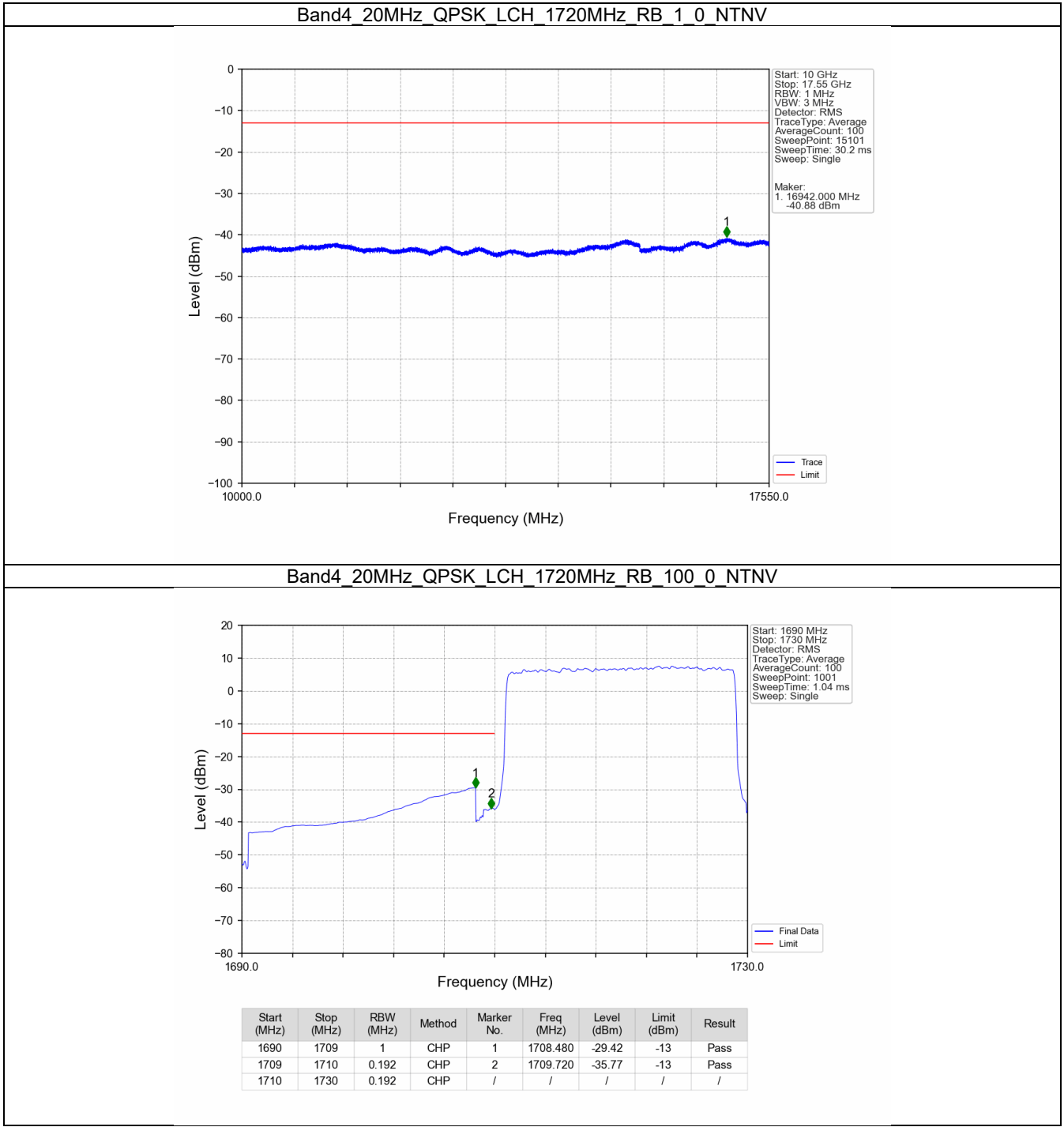
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



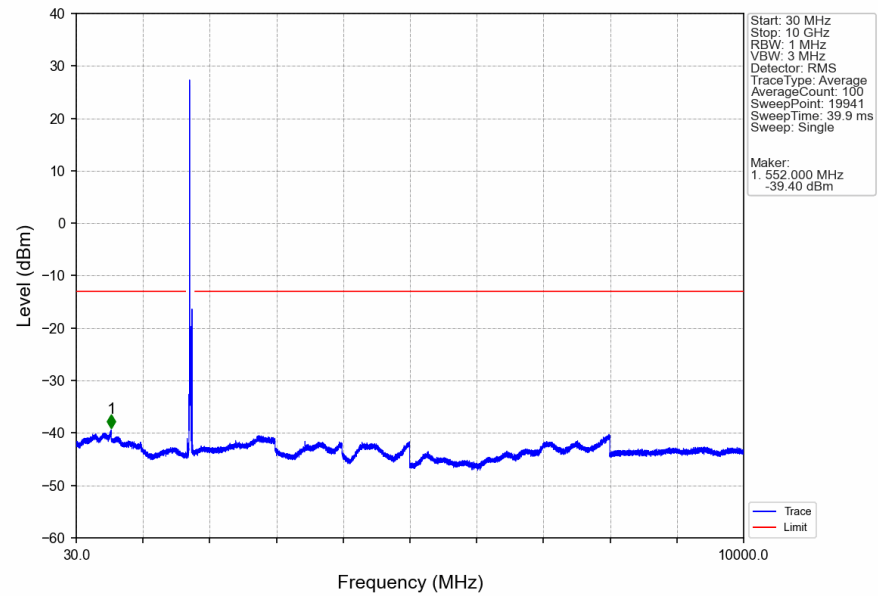
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-33.03	-13	Pass
1709	1710	0.003	/	2	1709.791	-51.32	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

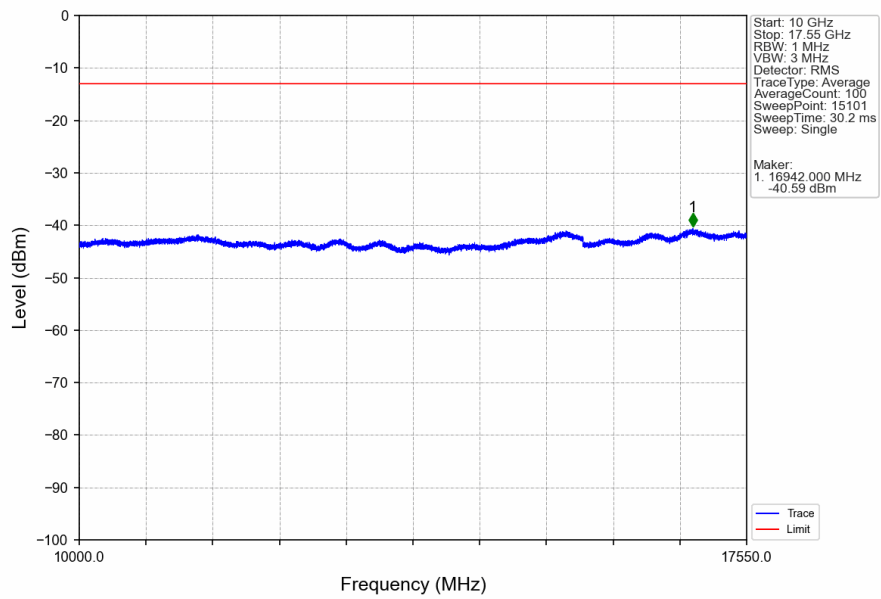




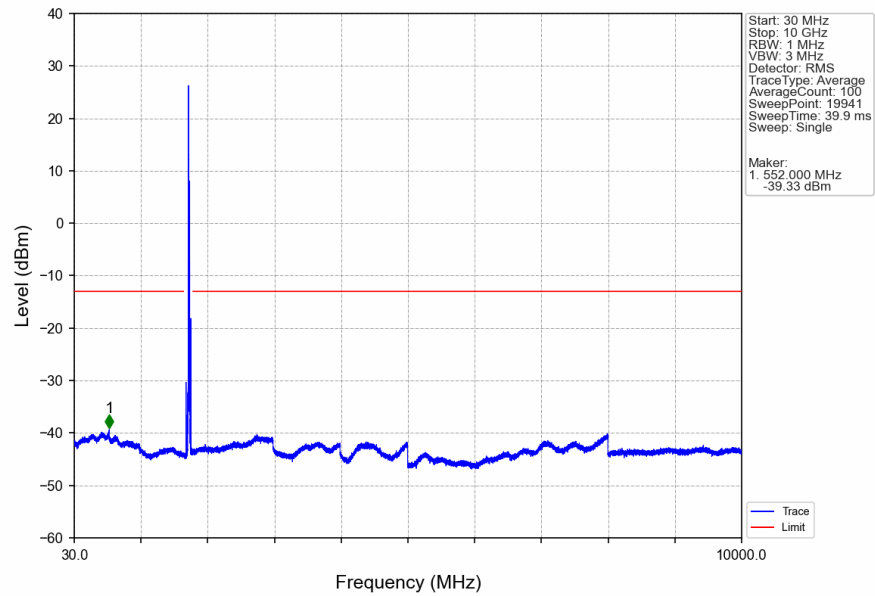
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



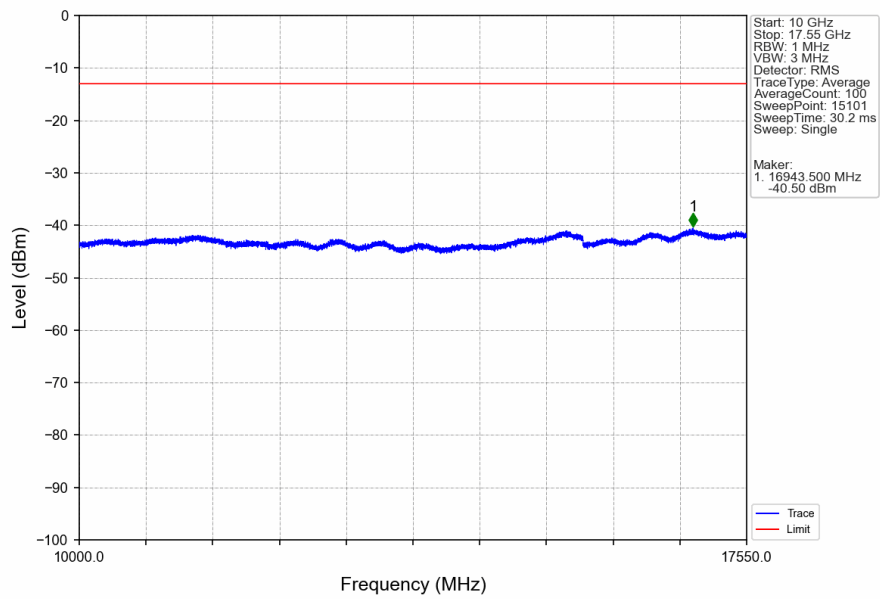
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



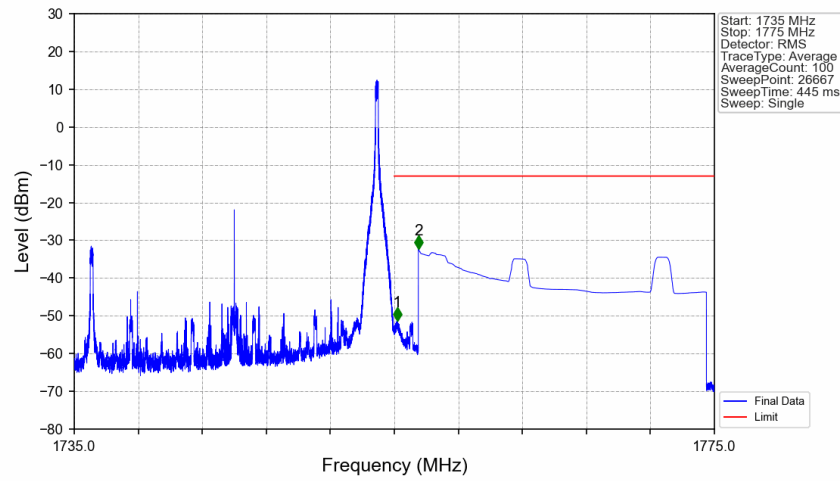
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

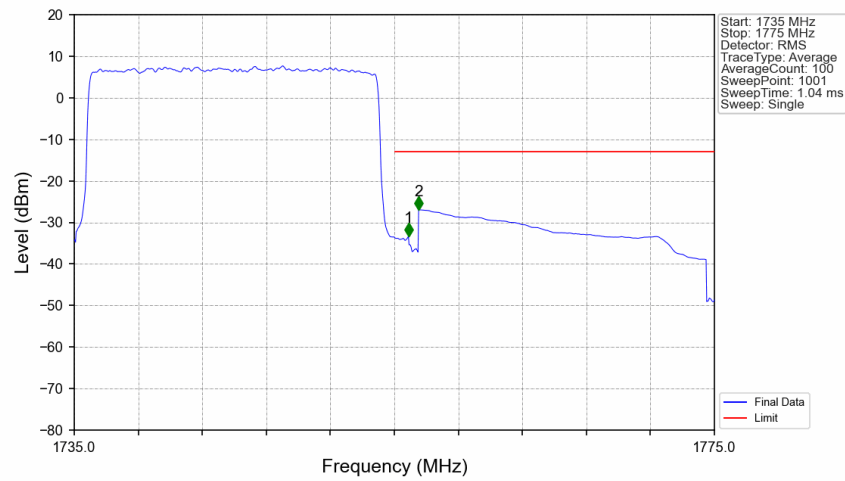


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



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	1755.185	-51.21	-13	Pass
1756	1775	1	CHP	2	1756.500	-32.28	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.192	CHP	/	/	/	/	/
1755	1756	0.192	CHP	1	1755.880	-33.35	-13	Pass
1756	1775	1	CHP	2	1756.520	-26.93	-13	Pass

-End of the Appendix-