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	17.29	-0.4	16.89	<=30	Pass
			2	17.24	-0.4	16.84	<=30	Pass
			5	17.24	-0.4	16.84	<=30	Pass
		3	0	17.09	-0.4	16.69	<=30	Pass
			2	17	-0.4	16.6	<=30	Pass
			3	16.97	-0.4	16.57	<=30	Pass
		6	0	16.09	-0.4	15.69	<=30	Pass
	1732.5	1	0	17.11	-0.4	16.71	<=30	Pass
			2	17.11	-0.4	16.71	<=30	Pass
			5	17.15	-0.4	16.75	<=30	Pass
		3	0	17.17	-0.4	16.77	<=30	Pass
			2	17.22	-0.4	16.82	<=30	Pass
			3	17.15	-0.4	16.75	<=30	Pass
		6	0	16.1	-0.4	15.7	<=30	Pass
	1754.3	1	0	17.27	-0.4	16.87	<=30	Pass
			2	17.38	-0.4	16.98	<=30	Pass
			5	17.34	-0.4	16.94	<=30	Pass
		3	0	17.18	-0.4	16.78	<=30	Pass
			2	17.18	-0.4	16.78	<=30	Pass
			3	17.29	-0.4	16.89	<=30	Pass
		6	0	16.31	-0.4	15.91	<=30	Pass
16QAM	1710.7	1	0	16.65	-0.4	16.25	<=30	Pass
			2	16.56	-0.4	16.16	<=30	Pass
			5	16.72	-0.4	16.32	<=30	Pass
		3	0	16.35	-0.4	15.95	<=30	Pass
			2	16.39	-0.4	15.99	<=30	Pass
			3	16.35	-0.4	15.95	<=30	Pass
		6	0	14.91	-0.4	14.51	<=30	Pass
	1732.5	1	0	16.6	-0.4	16.2	<=30	Pass
			2	16.66	-0.4	16.26	<=30	Pass
			5	16.7	-0.4	16.3	<=30	Pass
		3	0	16.37	-0.4	15.97	<=30	Pass
			2	16.39	-0.4	15.99	<=30	Pass
			3	16.34	-0.4	15.94	<=30	Pass
		6	0	14.8	-0.4	14.4	<=30	Pass
	1754.3	1	0	16.36	-0.4	15.96	<=30	Pass
			2	16.22	-0.4	15.82	<=30	Pass
			5	16.37	-0.4	15.97	<=30	Pass
		3	0	16.55	-0.4	16.15	<=30	Pass
			2	16.53	-0.4	16.13	<=30	Pass
			3	16.48	-0.4	16.08	<=30	Pass
		6	0	15.18	-0.4	14.78	<=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	17.06	-0.4	16.66	<=30	Pass
			7	17.08	-0.4	16.68	<=30	Pass
			14	17.19	-0.4	16.79	<=30	Pass
		8	0	16.16	-0.4	15.76	<=30	Pass
			4	16.02	-0.4	15.62	<=30	Pass
			7	16.01	-0.4	15.61	<=30	Pass
		15	0	16.09	-0.4	15.69	<=30	Pass
	1732.5	1	0	17.11	-0.4	16.71	<=30	Pass
			7	17.14	-0.4	16.74	<=30	Pass
			14	17.08	-0.4	16.68	<=30	Pass
		8	0	16.07	-0.4	15.67	<=30	Pass
			4	16.17	-0.4	15.77	<=30	Pass
			7	16.13	-0.4	15.73	<=30	Pass
		15	0	16.12	-0.4	15.72	<=30	Pass
	1753.5	1	0	17.25	-0.4	16.85	<=30	Pass
			7	17.22	-0.4	16.82	<=30	Pass
			14	17.36	-0.4	16.96	<=30	Pass
		8	0	16.24	-0.4	15.84	<=30	Pass
			4	16.3	-0.4	15.9	<=30	Pass
			7	16.25	-0.4	15.85	<=30	Pass
		15	0	16.17	-0.4	15.77	<=30	Pass
16QAM	1711.5	1	0	16.68	-0.4	16.28	<=30	Pass
			7	16.72	-0.4	16.32	<=30	Pass
			14	16.49	-0.4	16.09	<=30	Pass
		8	0	15.23	-0.4	14.83	<=30	Pass
			4	15.22	-0.4	14.82	<=30	Pass
			7	15.29	-0.4	14.89	<=30	Pass
		15	0	15.19	-0.4	14.79	<=30	Pass
	1732.5	1	0	16.66	-0.4	16.26	<=30	Pass
			7	16.6	-0.4	16.2	<=30	Pass
			14	16.77	-0.4	16.37	<=30	Pass
		8	0	15.27	-0.4	14.87	<=30	Pass
			4	15.31	-0.4	14.91	<=30	Pass
			7	15.29	-0.4	14.89	<=30	Pass
		15	0	15.24	-0.4	14.84	<=30	Pass
	1753.5	1	0	16.77	-0.4	16.37	<=30	Pass
			7	16.77	-0.4	16.37	<=30	Pass
			14	16.78	-0.4	16.38	<=30	Pass
		8	0	15.44	-0.4	15.04	<=30	Pass
			4	15.35	-0.4	14.95	<=30	Pass
			7	15.51	-0.4	15.11	<=30	Pass
		15	0	15.46	-0.4	15.06	<=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	17.36	-0.4	16.96	<=30	Pass
			13	17.44	-0.4	17.04	<=30	Pass
			24	17.4	-0.4	17	<=30	Pass
		12	0	16	-0.4	15.6	<=30	Pass
			6	16.07	-0.4	15.67	<=30	Pass
			13	16.17	-0.4	15.77	<=30	Pass
		25	0	16.16	-0.4	15.76	<=30	Pass
	1732.5	1	0	17.03	-0.4	16.63	<=30	Pass
			13	17.2	-0.4	16.8	<=30	Pass
			24	17.1	-0.4	16.7	<=30	Pass
		12	0	16.14	-0.4	15.74	<=30	Pass
			6	16.11	-0.4	15.71	<=30	Pass
			13	16.2	-0.4	15.8	<=30	Pass
		25	0	16.13	-0.4	15.73	<=30	Pass
	1752.5	1	0	17.25	-0.4	16.85	<=30	Pass
			13	17.26	-0.4	16.86	<=30	Pass
			24	17.33	-0.4	16.93	<=30	Pass
		12	0	16.21	-0.4	15.81	<=30	Pass
			6	16.28	-0.4	15.88	<=30	Pass
			13	16.31	-0.4	15.91	<=30	Pass
		25	0	16.12	-0.4	15.72	<=30	Pass
16QAM	1712.5	1	0	16.13	-0.4	15.73	<=30	Pass
			13	16.18	-0.4	15.78	<=30	Pass
			24	16.09	-0.4	15.69	<=30	Pass
		12	0	15.27	-0.4	14.87	<=30	Pass
			6	15.23	-0.4	14.83	<=30	Pass
			13	15.17	-0.4	14.77	<=30	Pass
		25	0	15.37	-0.4	14.97	<=30	Pass
	1732.5	1	0	16.66	-0.4	16.26	<=30	Pass
			13	16.85	-0.4	16.45	<=30	Pass
			24	16.66	-0.4	16.26	<=30	Pass
		12	0	15.18	-0.4	14.78	<=30	Pass
			6	15.33	-0.4	14.93	<=30	Pass
			13	15.28	-0.4	14.88	<=30	Pass
		25	0	15.2	-0.4	14.8	<=30	Pass
	1752.5	1	0	16.68	-0.4	16.28	<=30	Pass
			13	16.78	-0.4	16.38	<=30	Pass
			24	16.65	-0.4	16.25	<=30	Pass
		12	0	15.31	-0.4	14.91	<=30	Pass
			6	15.3	-0.4	14.9	<=30	Pass
			13	15.28	-0.4	14.88	<=30	Pass
		25	0	15.24	-0.4	14.84	<=30	Pass
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	17.38	-0.4	16.98	<=30	Pass
			25	17.36	-0.4	16.96	<=30	Pass
			49	17.36	-0.4	16.96	<=30	Pass
		25	0	15.95	-0.4	15.55	<=30	Pass
			13	16.09	-0.4	15.69	<=30	Pass
			25	16	-0.4	15.6	<=30	Pass
		50	0	16.11	-0.4	15.71	<=30	Pass
	1732.5	1	0	17.14	-0.4	16.74	<=30	Pass
			25	17.09	-0.4	16.69	<=30	Pass
			49	17.13	-0.4	16.73	<=30	Pass
		25	0	16.11	-0.4	15.71	<=30	Pass
			13	16.14	-0.4	15.74	<=30	Pass
			25	16.08	-0.4	15.68	<=30	Pass
		50	0	16.22	-0.4	15.82	<=30	Pass
	1750	1	0	17.31	-0.4	16.91	<=30	Pass
			25	17.38	-0.4	16.98	<=30	Pass
			49	17.43	-0.4	17.03	<=30	Pass
		25	0	16.25	-0.4	15.85	<=30	Pass
			13	16.18	-0.4	15.78	<=30	Pass
			25	16.19	-0.4	15.79	<=30	Pass
		50	0	16.12	-0.4	15.72	<=30	Pass
16QAM	1715	1	0	16.09	-0.4	15.69	<=30	Pass
			25	16.3	-0.4	15.9	<=30	Pass
			49	16.17	-0.4	15.77	<=30	Pass
		25	0	15.31	-0.4	14.91	<=30	Pass
			13	15.49	-0.4	15.09	<=30	Pass
			25	15.34	-0.4	14.94	<=30	Pass
		50	0	15.22	-0.4	14.82	<=30	Pass
	1732.5	1	0	16.68	-0.4	16.28	<=30	Pass
			25	16.68	-0.4	16.28	<=30	Pass
			49	16.52	-0.4	16.12	<=30	Pass
		25	0	15.19	-0.4	14.79	<=30	Pass
			13	15.08	-0.4	14.68	<=30	Pass
			25	15.2	-0.4	14.8	<=30	Pass
		50	0	15.19	-0.4	14.79	<=30	Pass
	1750	1	0	16.19	-0.4	15.79	<=30	Pass
			25	16.27	-0.4	15.87	<=30	Pass
			49	16.28	-0.4	15.88	<=30	Pass
		25	0	15.53	-0.4	15.13	<=30	Pass
			13	15.37	-0.4	14.97	<=30	Pass
			25	15.55	-0.4	15.15	<=30	Pass
		50	0	15.3	-0.4	14.9	<=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	17.22	-0.4	16.82	<=30	Pass
			38	17.39	-0.4	16.99	<=30	Pass
			74	17.34	-0.4	16.94	<=30	Pass
		36	0	16.11	-0.4	15.71	<=30	Pass
			18	16.06	-0.4	15.66	<=30	Pass
			39	16.14	-0.4	15.74	<=30	Pass
		75	0	15.96	-0.4	15.56	<=30	Pass
	1732.5	1	0	17	-0.4	16.6	<=30	Pass
			38	17.19	-0.4	16.79	<=30	Pass
			74	17.13	-0.4	16.73	<=30	Pass
		36	0	16.08	-0.4	15.68	<=30	Pass
			18	16.2	-0.4	15.8	<=30	Pass
			39	16.07	-0.4	15.67	<=30	Pass
		75	0	16.04	-0.4	15.64	<=30	Pass
	1747.5	1	0	17.05	-0.4	16.65	<=30	Pass
			38	17.14	-0.4	16.74	<=30	Pass
			74	17.26	-0.4	16.86	<=30	Pass
		36	0	16.29	-0.4	15.89	<=30	Pass
			18	16.3	-0.4	15.9	<=30	Pass
			39	16.28	-0.4	15.88	<=30	Pass
		75	0	16.28	-0.4	15.88	<=30	Pass
16QAM	1717.5	1	0	16.26	-0.4	15.86	<=30	Pass
			38	16.29	-0.4	15.89	<=30	Pass
			74	16.13	-0.4	15.73	<=30	Pass
		36	0	15.25	-0.4	14.85	<=30	Pass
			18	15.22	-0.4	14.82	<=30	Pass
			39	15.19	-0.4	14.79	<=30	Pass
		75	0	15.21	-0.4	14.81	<=30	Pass
	1732.5	1	0	16.6	-0.4	16.2	<=30	Pass
			38	16.73	-0.4	16.33	<=30	Pass
			74	16.7	-0.4	16.3	<=30	Pass
		36	0	15.08	-0.4	14.68	<=30	Pass
			18	15.17	-0.4	14.77	<=30	Pass
			39	15.15	-0.4	14.75	<=30	Pass
		75	0	15.28	-0.4	14.88	<=30	Pass
	1747.5	1	0	16.75	-0.4	16.35	<=30	Pass
			38	16.7	-0.4	16.3	<=30	Pass
			74	16.75	-0.4	16.35	<=30	Pass
		36	0	15.14	-0.4	14.74	<=30	Pass
			18	15.21	-0.4	14.81	<=30	Pass
			39	15.17	-0.4	14.77	<=30	Pass
		75	0	15.33	-0.4	14.93	<=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	17.07	-0.4	16.67	<=30	Pass
			50	17.09	-0.4	16.69	<=30	Pass
			99	17.07	-0.4	16.67	<=30	Pass
		50	0	16.12	-0.4	15.72	<=30	Pass
			25	16.07	-0.4	15.67	<=30	Pass
			50	16.04	-0.4	15.64	<=30	Pass
		100	0	16.09	-0.4	15.69	<=30	Pass
	1732.5	1	0	17.1	-0.4	16.7	<=30	Pass
			50	17.12	-0.4	16.72	<=30	Pass
			99	17.19	-0.4	16.79	<=30	Pass
		50	0	16.04	-0.4	15.64	<=30	Pass
			25	16.14	-0.4	15.74	<=30	Pass
			50	16.11	-0.4	15.71	<=30	Pass
		100	0	16.16	-0.4	15.76	<=30	Pass
	1745	1	0	17.12	-0.4	16.72	<=30	Pass
			50	17.21	-0.4	16.81	<=30	Pass
			99	17.23	-0.4	16.83	<=30	Pass
		50	0	16.18	-0.4	15.78	<=30	Pass
			25	16.22	-0.4	15.82	<=30	Pass
			50	16.1	-0.4	15.7	<=30	Pass
		100	0	16.24	-0.4	15.84	<=30	Pass
16QAM	1720	1	0	16.73	-0.4	16.33	<=30	Pass
			50	16.63	-0.4	16.23	<=30	Pass
			99	16.83	-0.4	16.43	<=30	Pass
		50	0	15.13	-0.4	14.73	<=30	Pass
			25	15.1	-0.4	14.7	<=30	Pass
			50	15.14	-0.4	14.74	<=30	Pass
		100	0	15.16	-0.4	14.76	<=30	Pass
	1732.5	1	0	16.78	-0.4	16.38	<=30	Pass
			50	16.67	-0.4	16.27	<=30	Pass
			99	16.73	-0.4	16.33	<=30	Pass
		50	0	15.22	-0.4	14.82	<=30	Pass
			25	15.21	-0.4	14.81	<=30	Pass
			50	15.23	-0.4	14.83	<=30	Pass
		100	0	15.38	-0.4	14.98	<=30	Pass
	1745	1	0	16.78	-0.4	16.38	<=30	Pass
			50	16.82	-0.4	16.42	<=30	Pass
			99	16.87	-0.4	16.47	<=30	Pass
		50	0	15.23	-0.4	14.83	<=30	Pass
			25	15.35	-0.4	14.95	<=30	Pass
			50	15.34	-0.4	14.94	<=30	Pass
		100	0	15.21	-0.4	14.81	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	50	0	20	LV	27.100	0.0156	-2.5 to 2.5	Pass
					NV	22.300	0.0129	-2.5 to 2.5	Pass
					HV	-3.800	-0.0022	-2.5 to 2.5	Pass
				-30	NV	-28.800	-0.0166	-2.5 to 2.5	Pass
				-20	NV	-23.000	-0.0133	-2.5 to 2.5	Pass
				-10	NV	-29.700	-0.0171	-2.5 to 2.5	Pass
				0	NV	-18.900	-0.0109	-2.5 to 2.5	Pass
				10	NV	-8.000	-0.0046	-2.5 to 2.5	Pass
				30	NV	-30.100	-0.0174	-2.5 to 2.5	Pass
				40	NV	-2.900	-0.0017	-2.5 to 2.5	Pass
				50	NV	-24.500	-0.0141	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.117	/	Pass
	16QAM	1732.5	6	0	1.118	/	Pass
3	QPSK	1732.5	15	0	2.741	/	Pass
	16QAM	1732.5	15	0	2.734	/	Pass
5	QPSK	1732.5	25	0	4.578	/	Pass
	16QAM	1732.5	25	0	4.574	/	Pass
10	QPSK	1732.5	50	0	9.108	/	Pass
	16QAM	1732.5	50	0	9.063	/	Pass
15	QPSK	1732.5	75	0	13.671	/	Pass
	16QAM	1732.5	75	0	13.672	/	Pass
20	QPSK	1732.5	100	0	18.236	/	Pass
	16QAM	1732.5	100	0	18.309	/	Pass

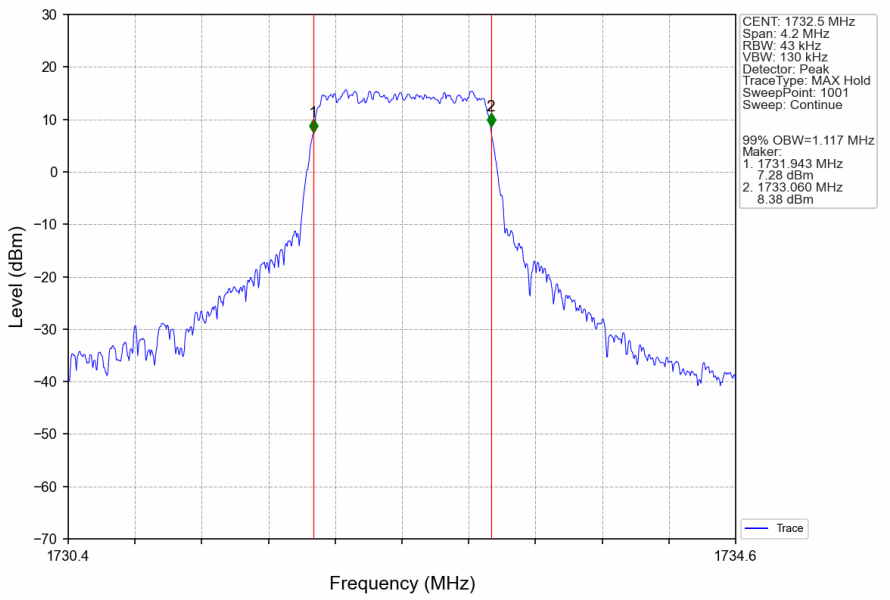
3.1.2 Band4_XDB

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	1.282	/	Pass
	16QAM	1732.5	6	0	1.347	/	Pass
3	QPSK	1732.5	15	0	3.151	/	Pass
	16QAM	1732.5	15	0	3.162	/	Pass
5	QPSK	1732.5	25	0	5.843	/	Pass
	16QAM	1732.5	25	0	5.871	/	Pass
10	QPSK	1732.5	50	0	10.510	/	Pass
	16QAM	1732.5	50	0	10.225	/	Pass
15	QPSK	1732.5	75	0	15.640	/	Pass
	16QAM	1732.5	75	0	15.874	/	Pass
20	QPSK	1732.5	100	0	21.065	/	Pass
	16QAM	1732.5	100	0	20.922	/	Pass

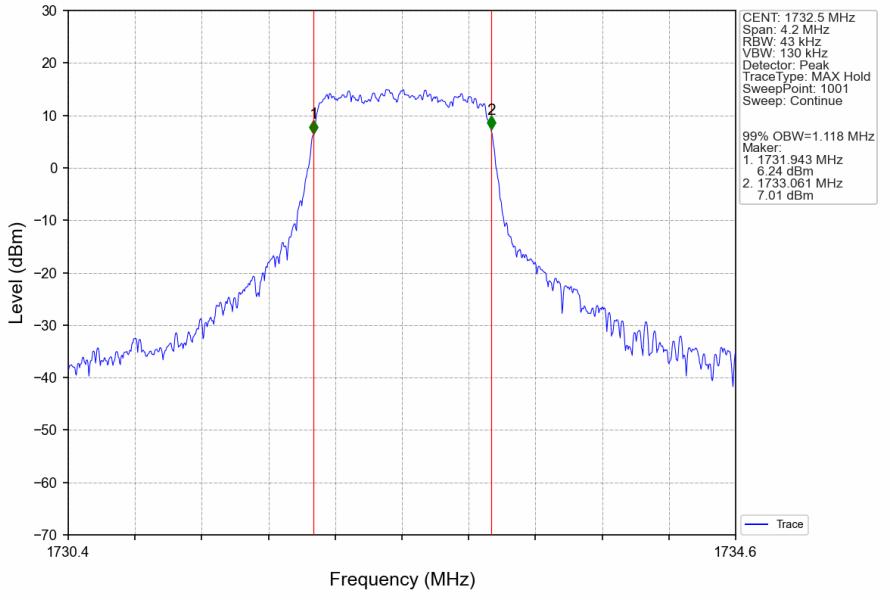
3.2 Test Graph

3.2.1 Band4_OBW

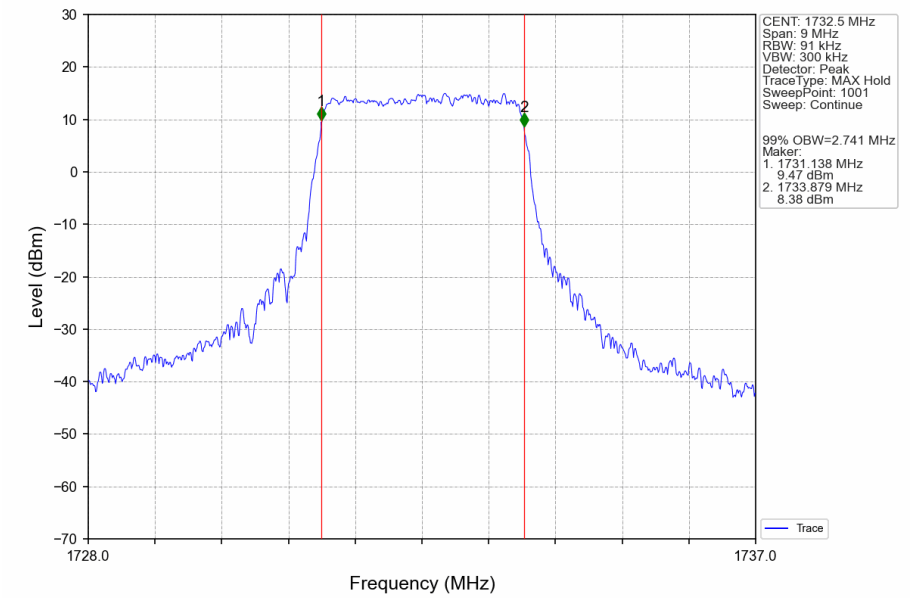
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



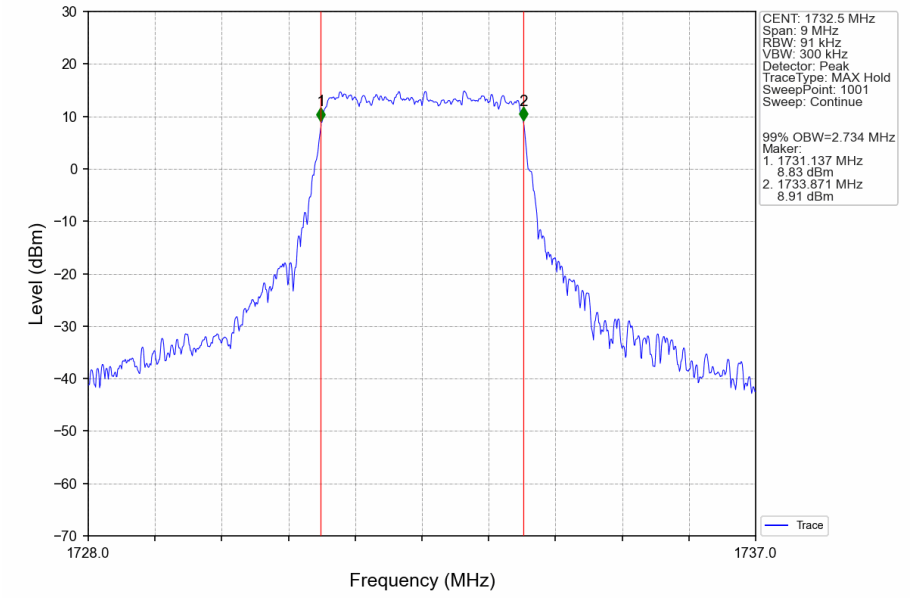
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



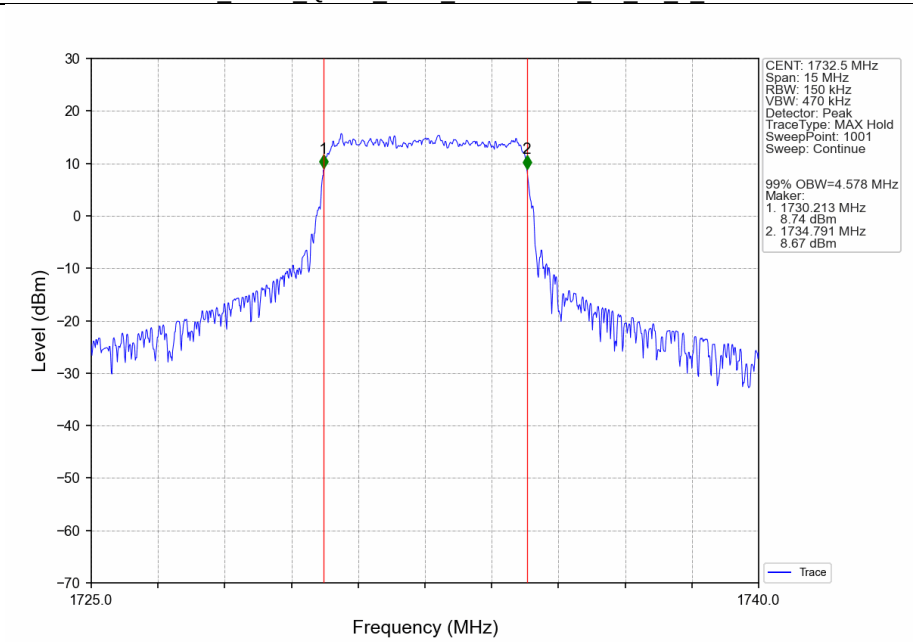
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



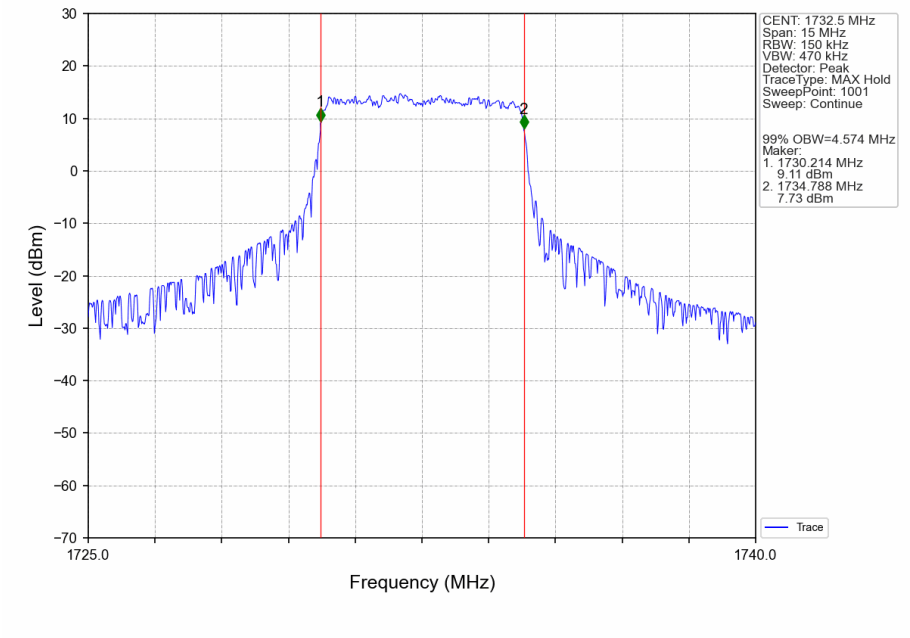
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



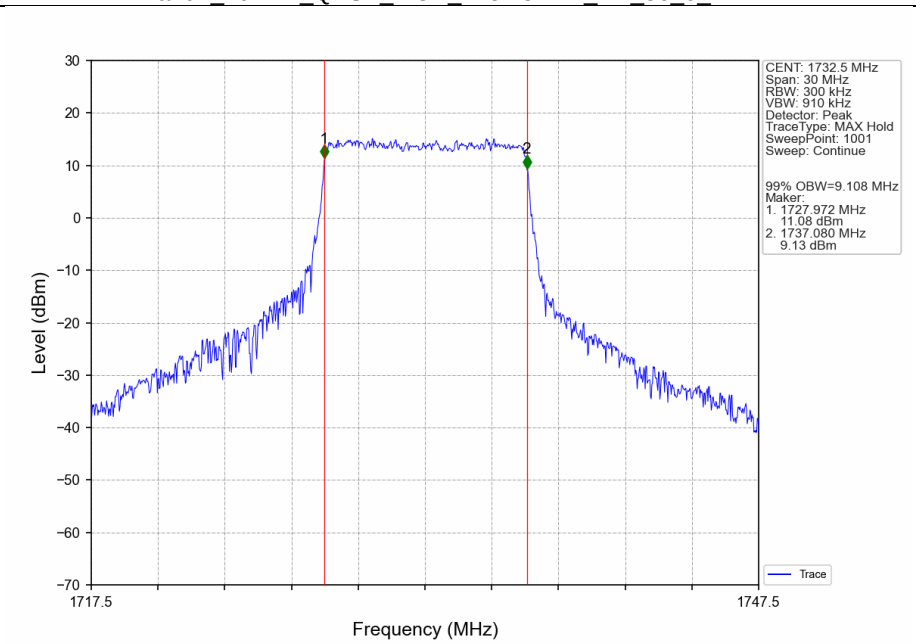
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



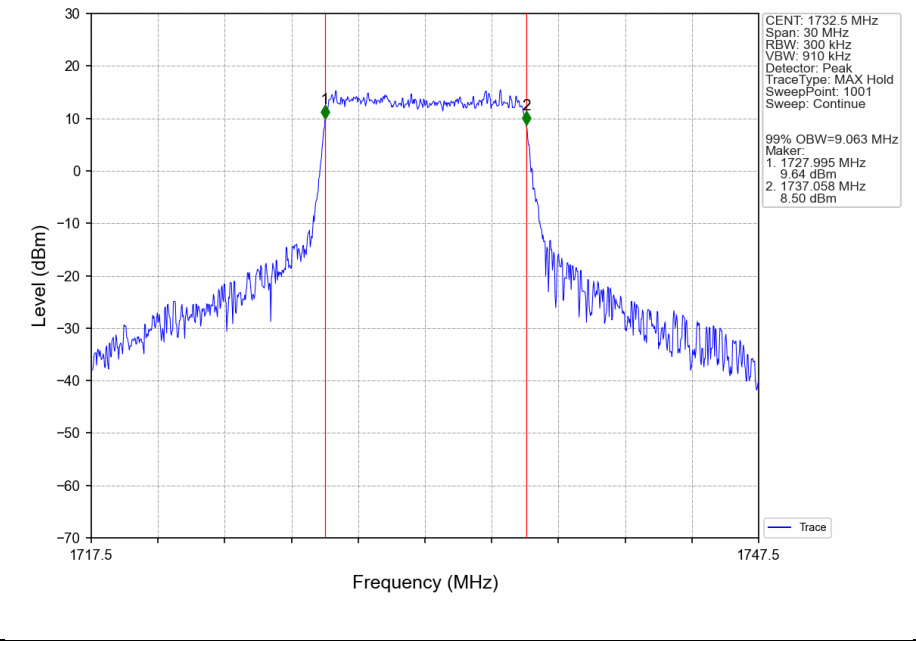
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



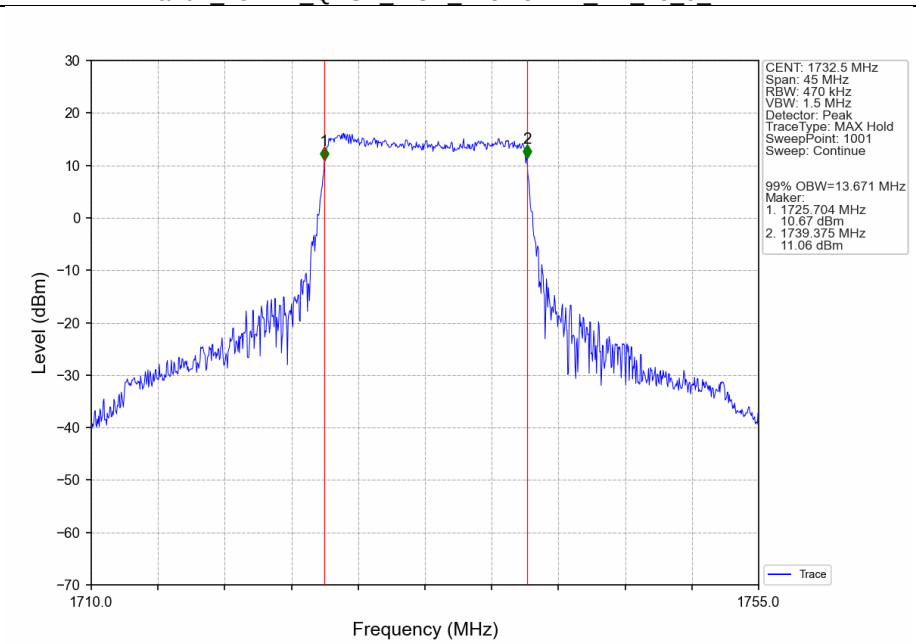
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



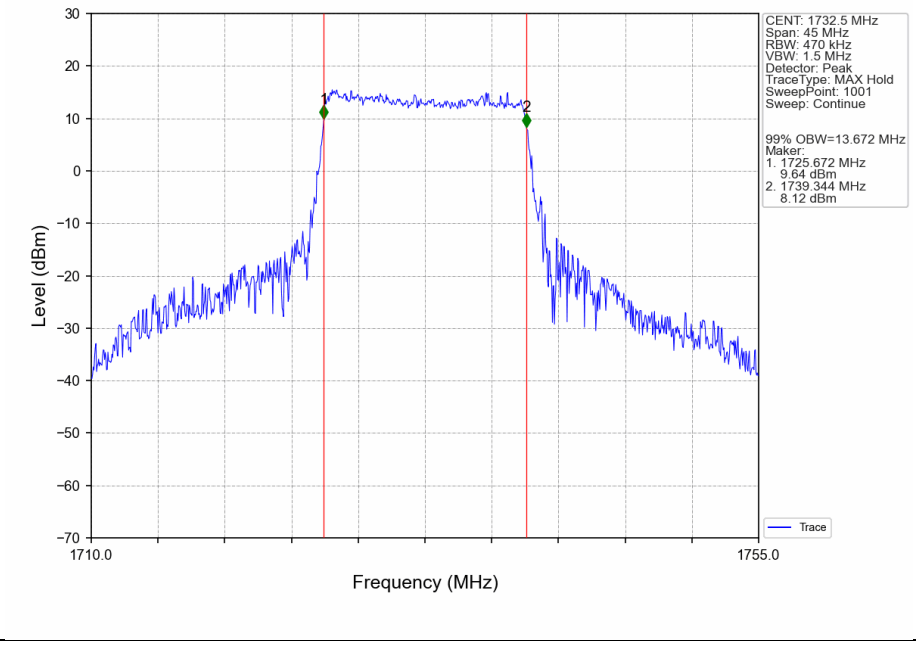
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



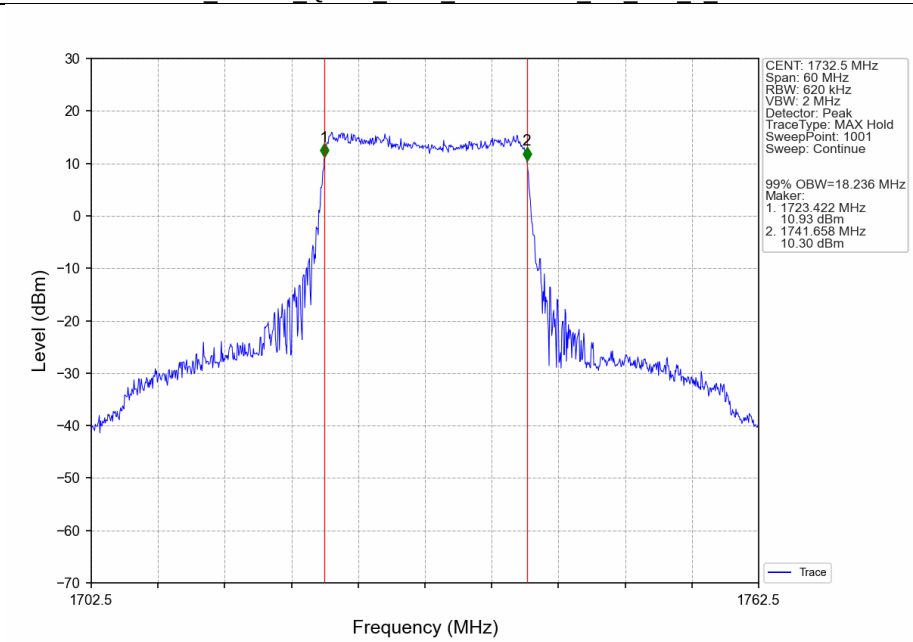
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



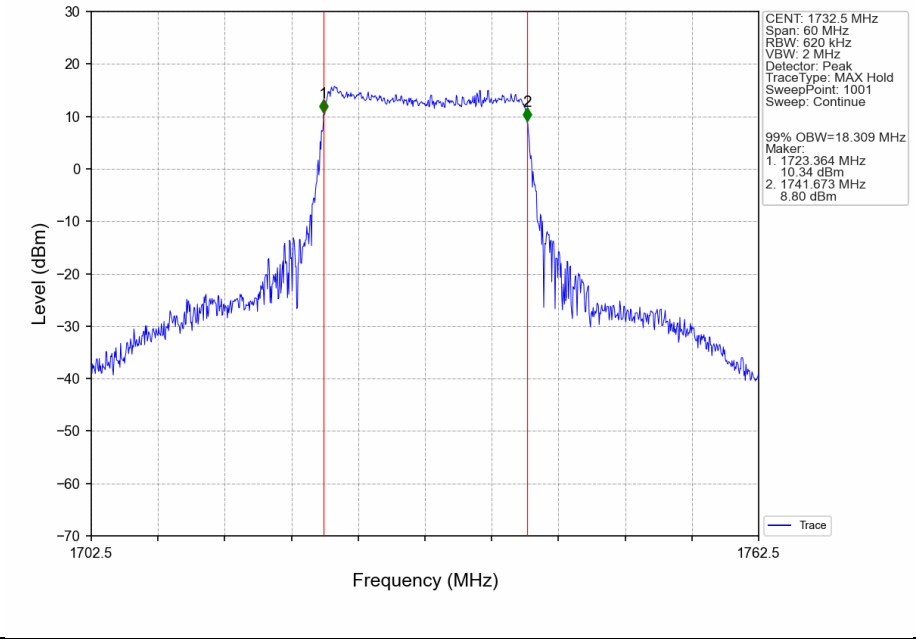
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

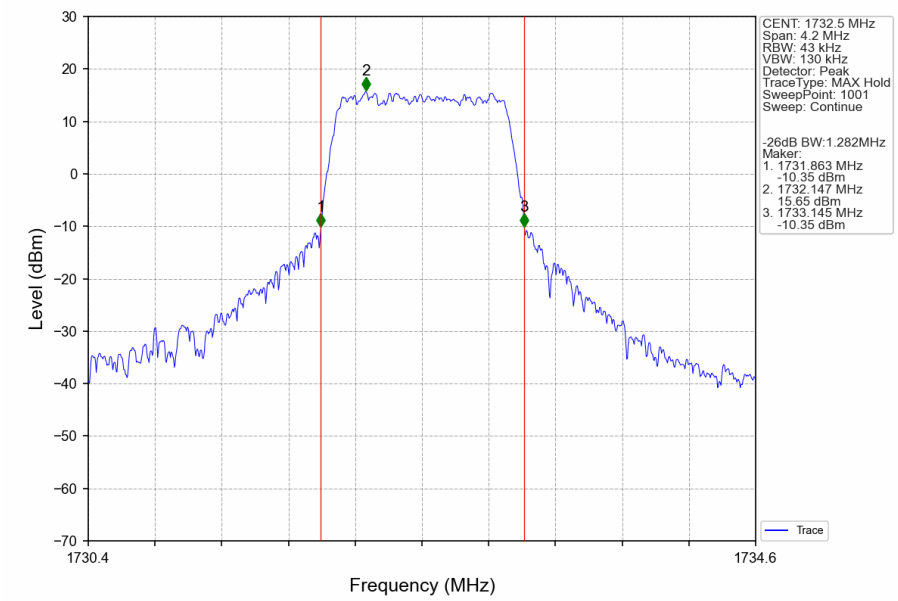


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

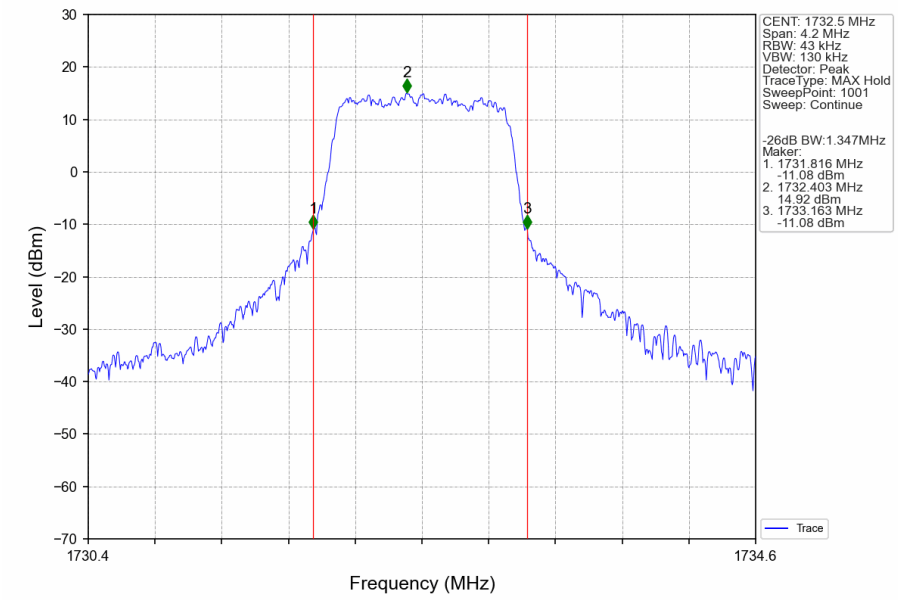


3.2.2 Band4_XDB

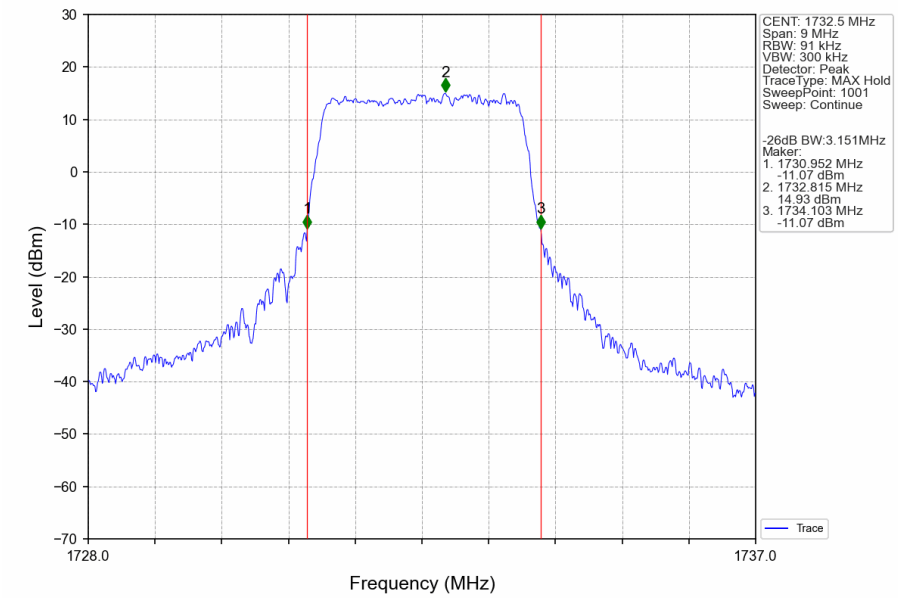
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



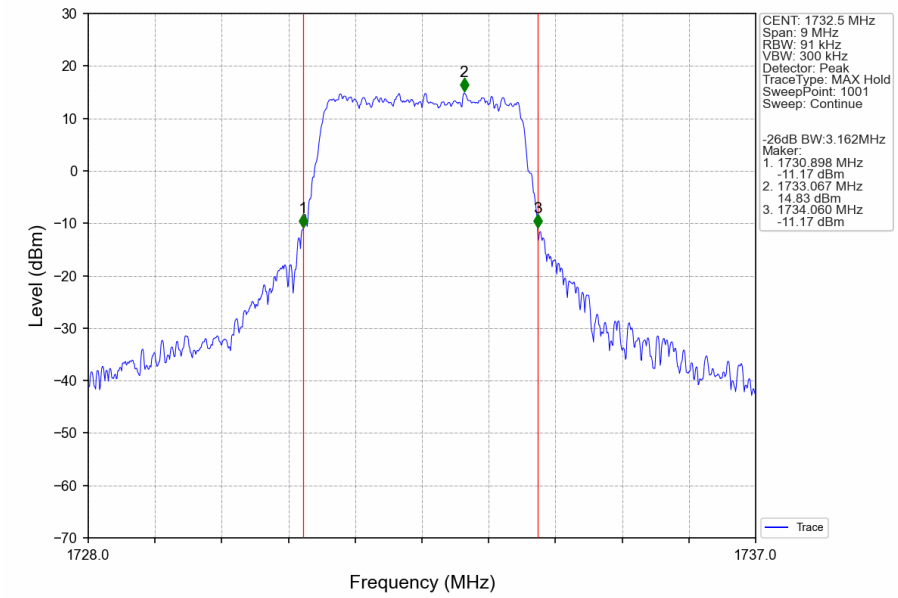
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



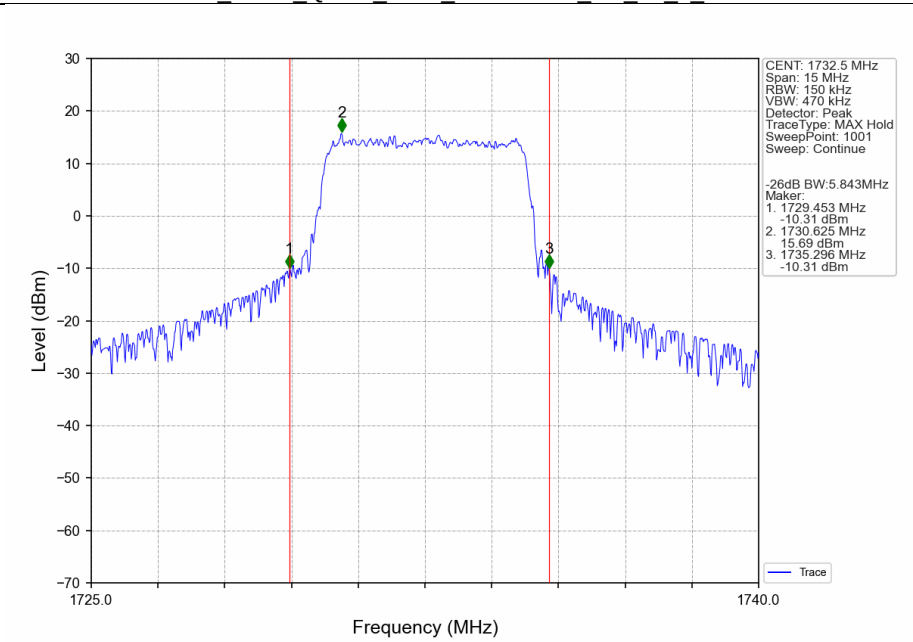
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



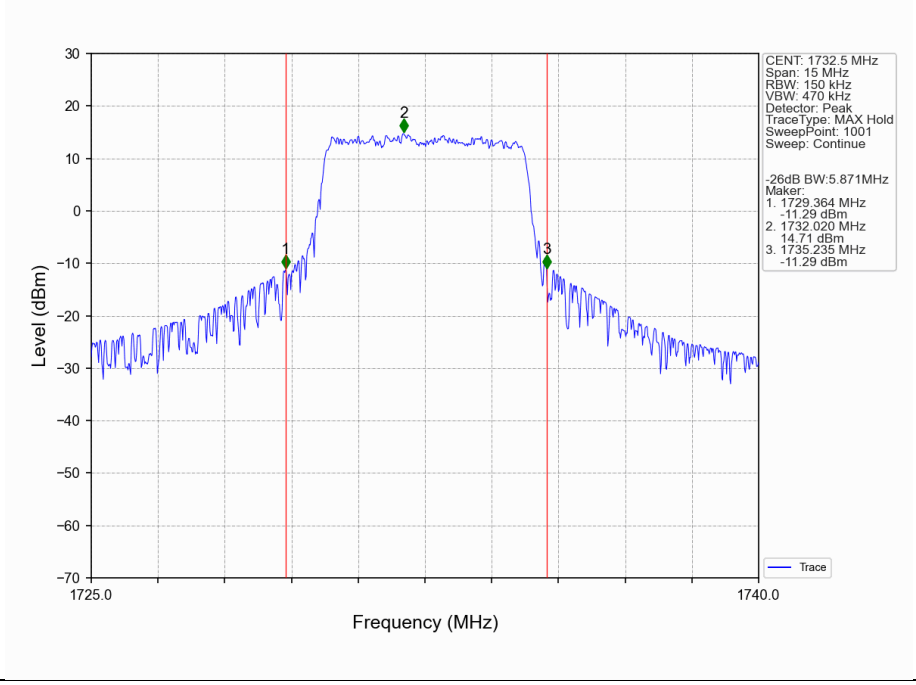
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



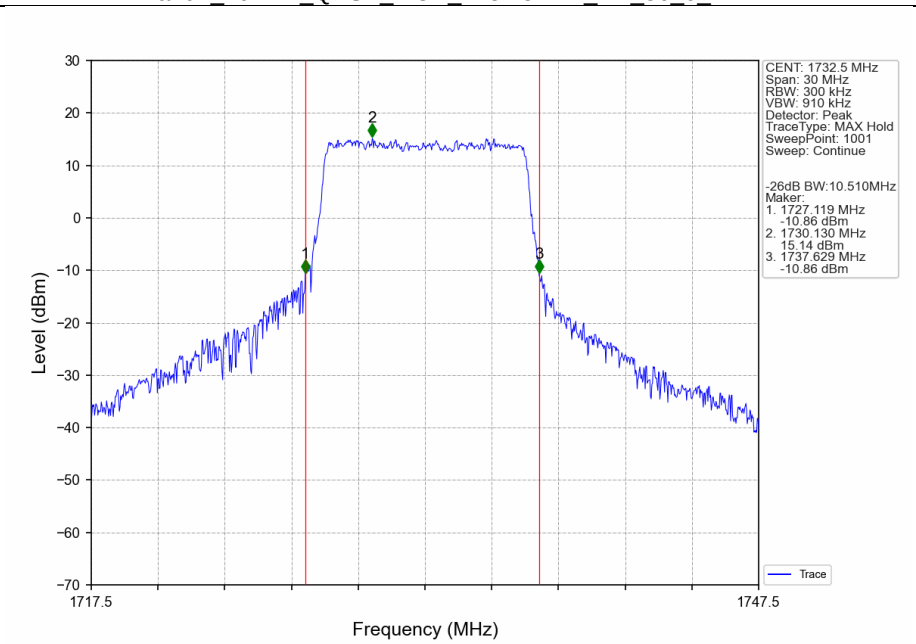
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



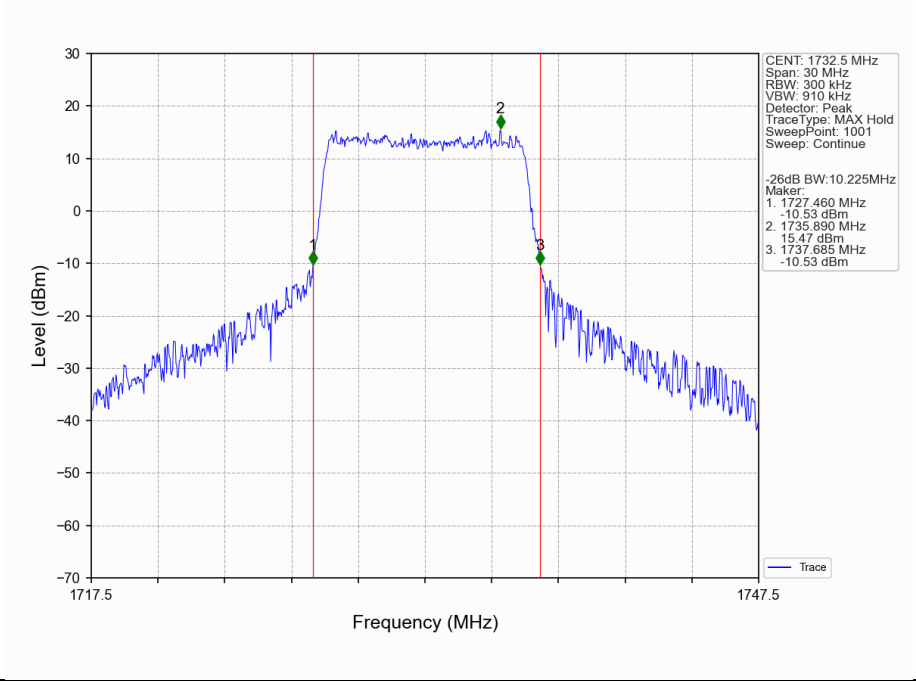
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



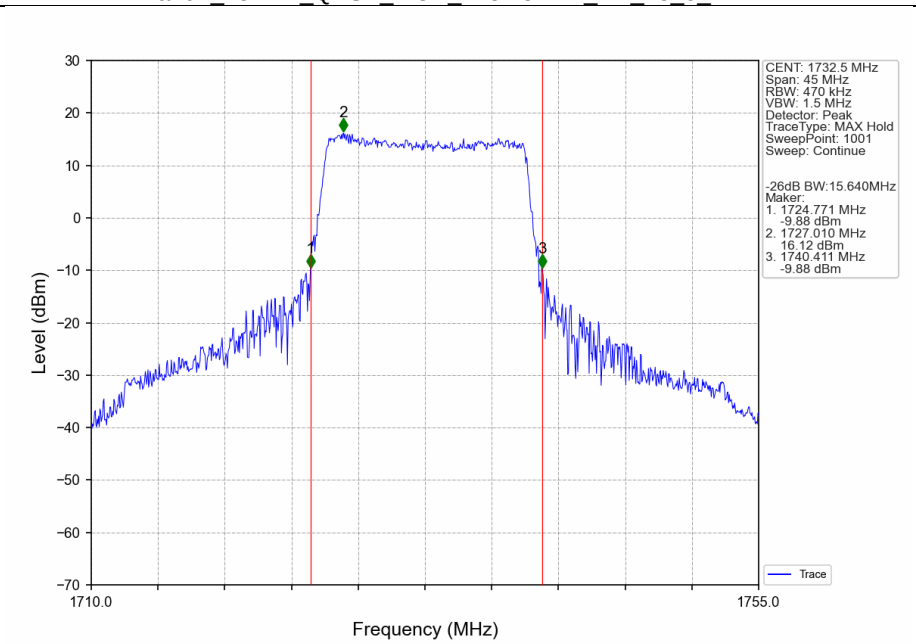
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



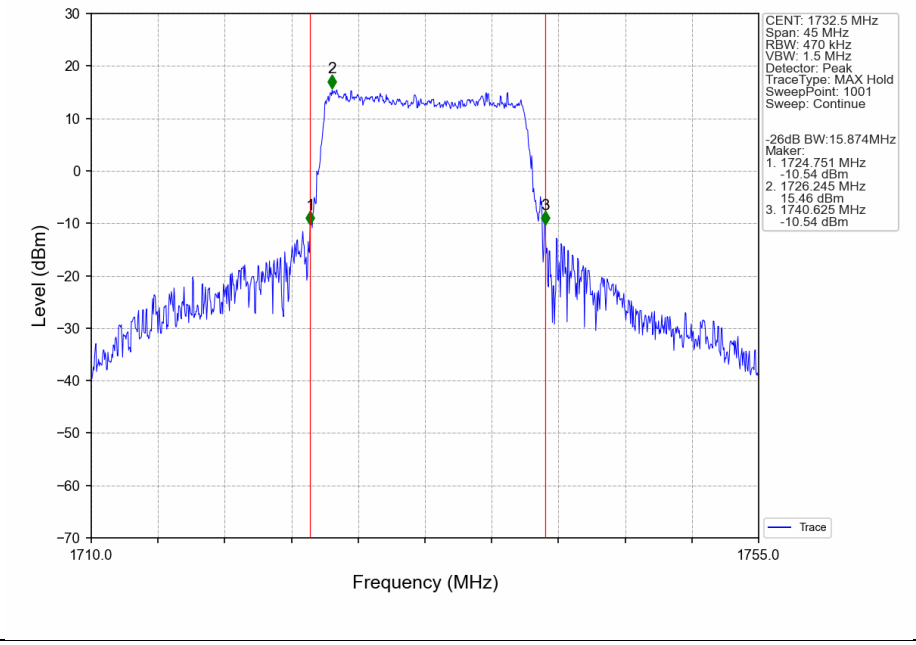
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



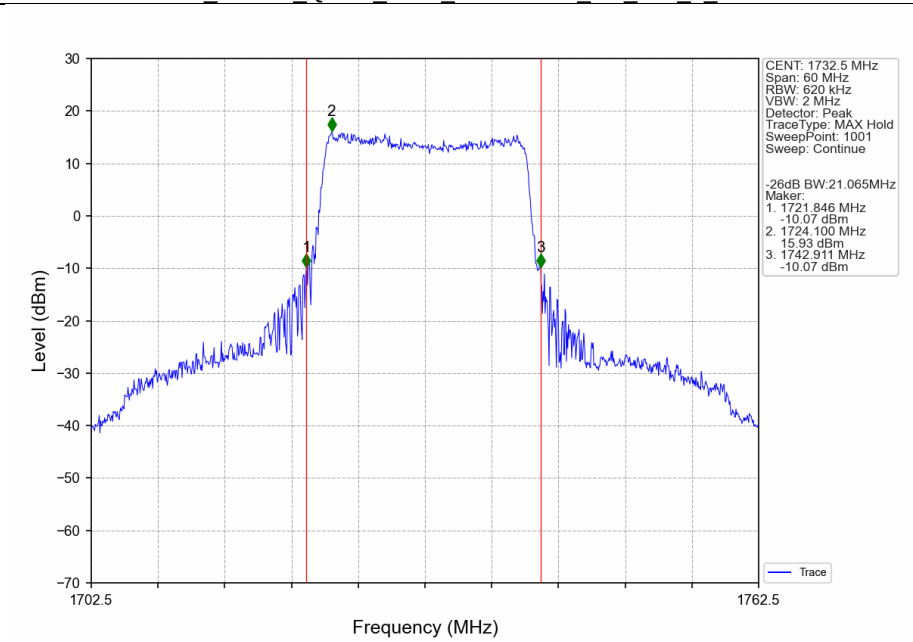
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



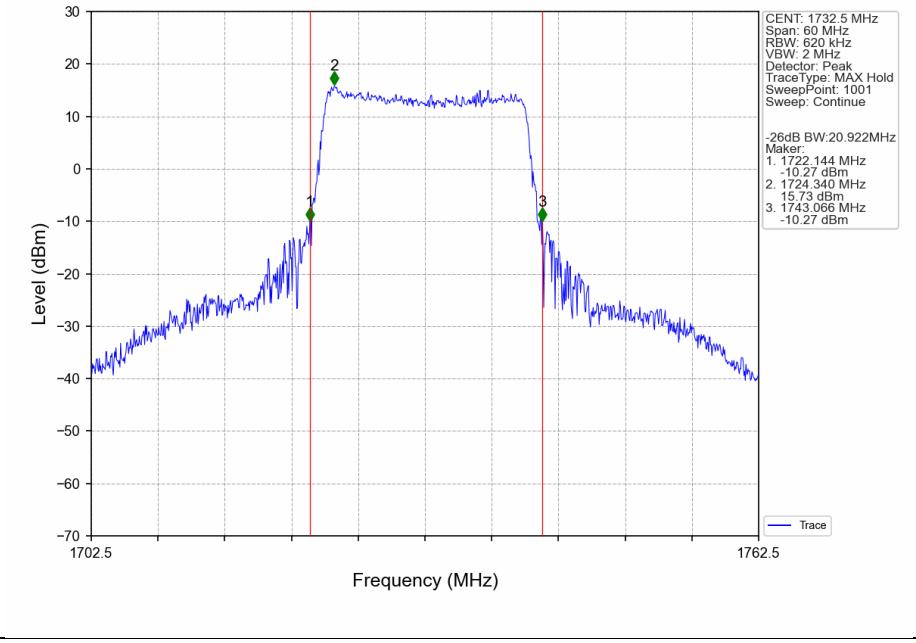
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



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

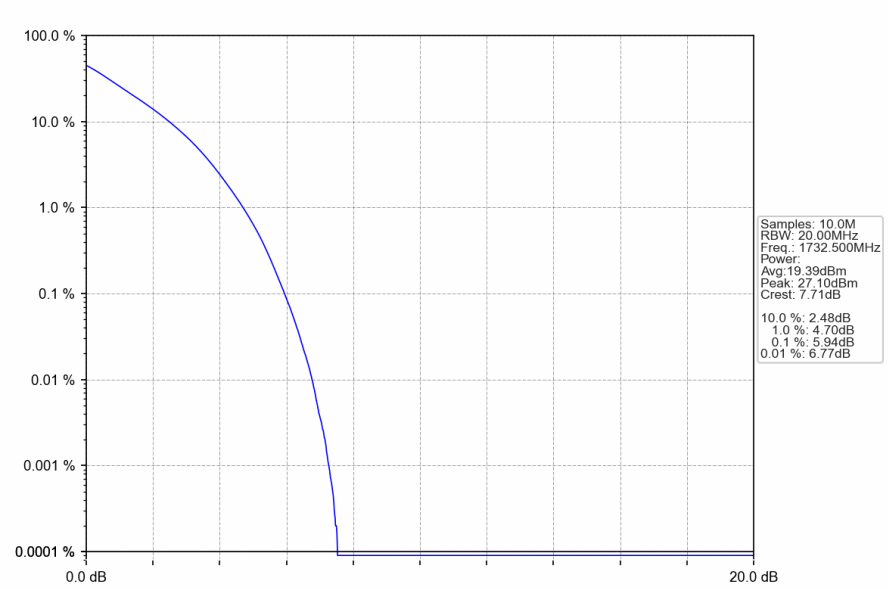
4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.94	<=13	Pass
16QAM	1732.5	100	0	6.55	<=13	Pass

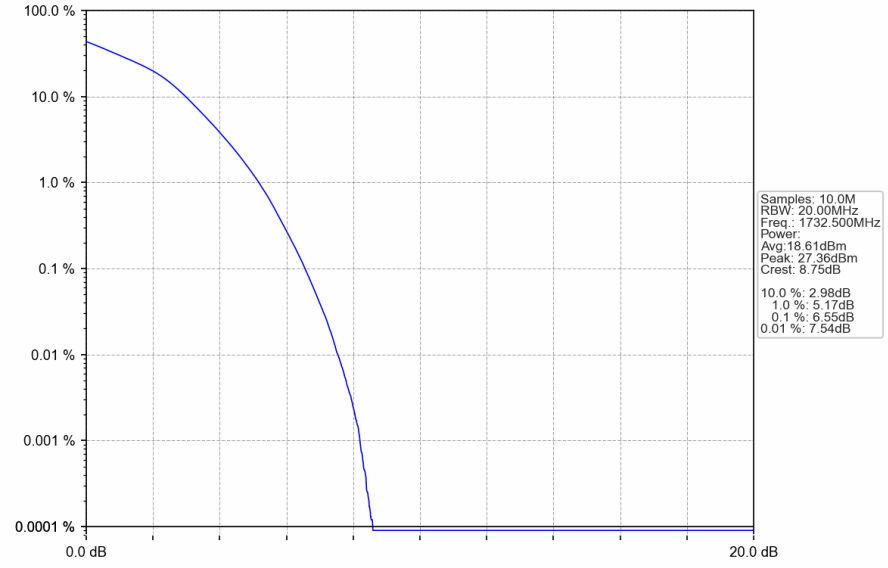
4.2 Test Graph

4.2.1 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	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 (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 / NTNV						
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

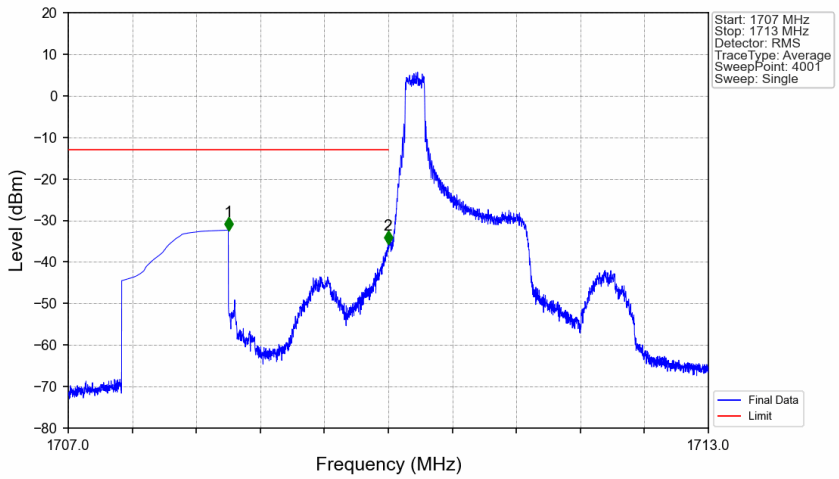
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / 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

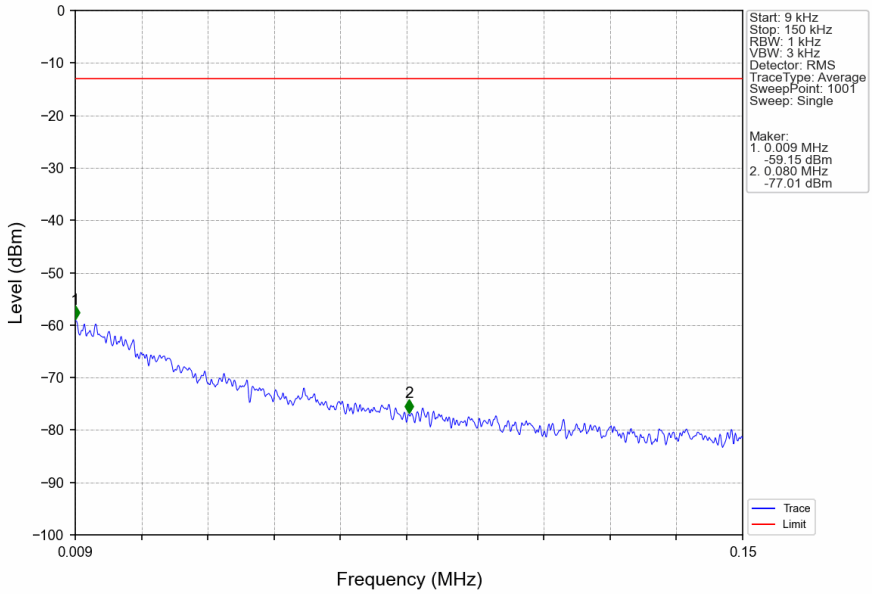
5.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

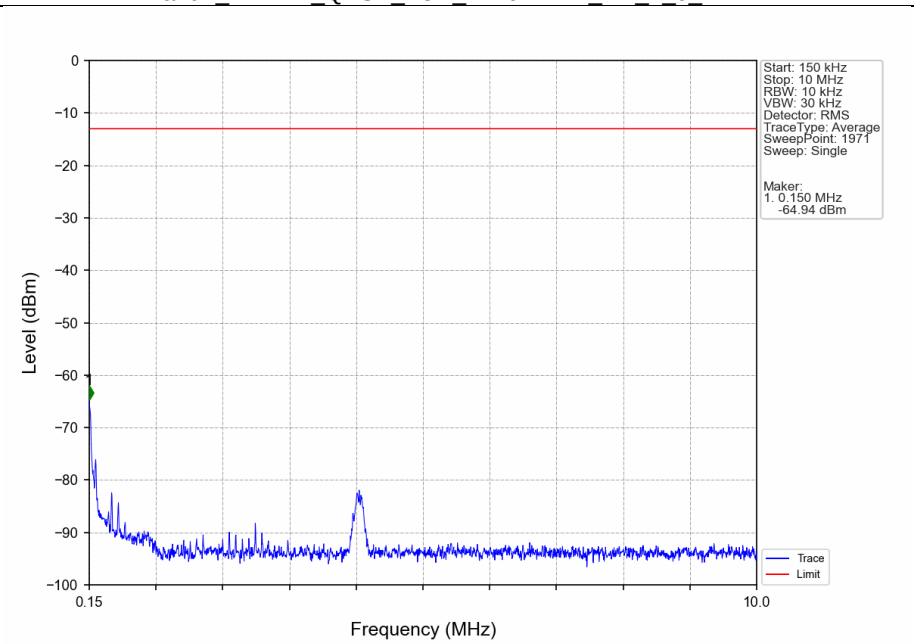


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.33	-13	Pass
1709	1710	0.003	/	2	1709.997	-35.74	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

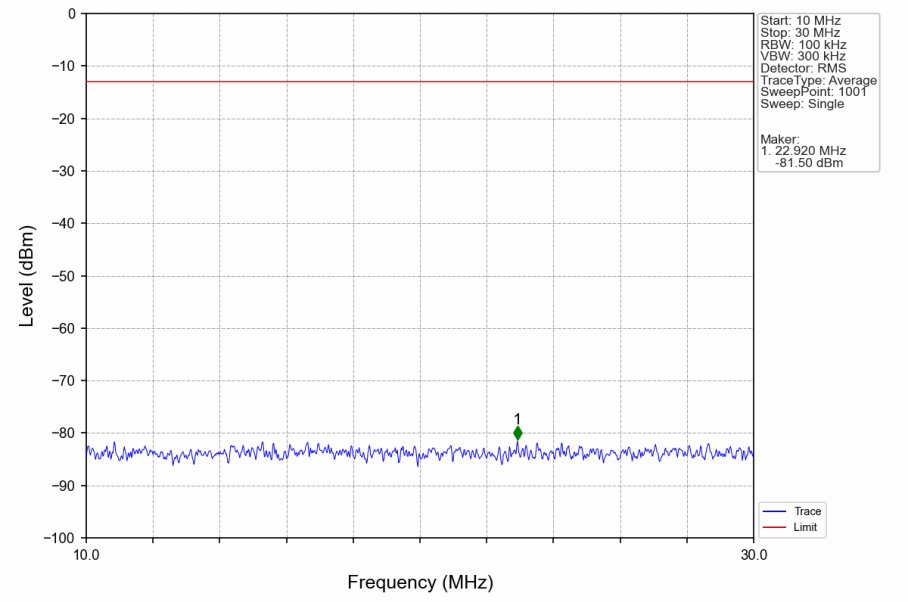
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



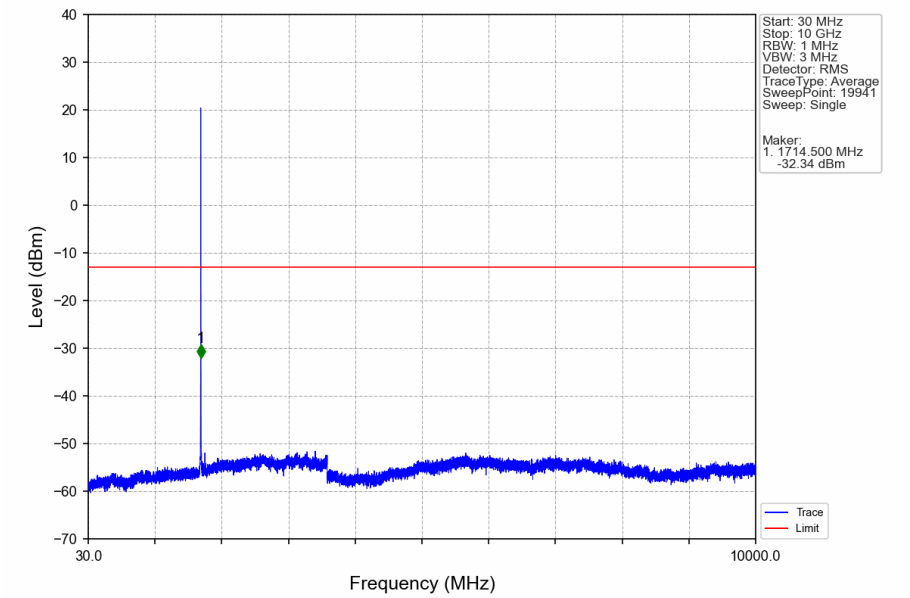
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



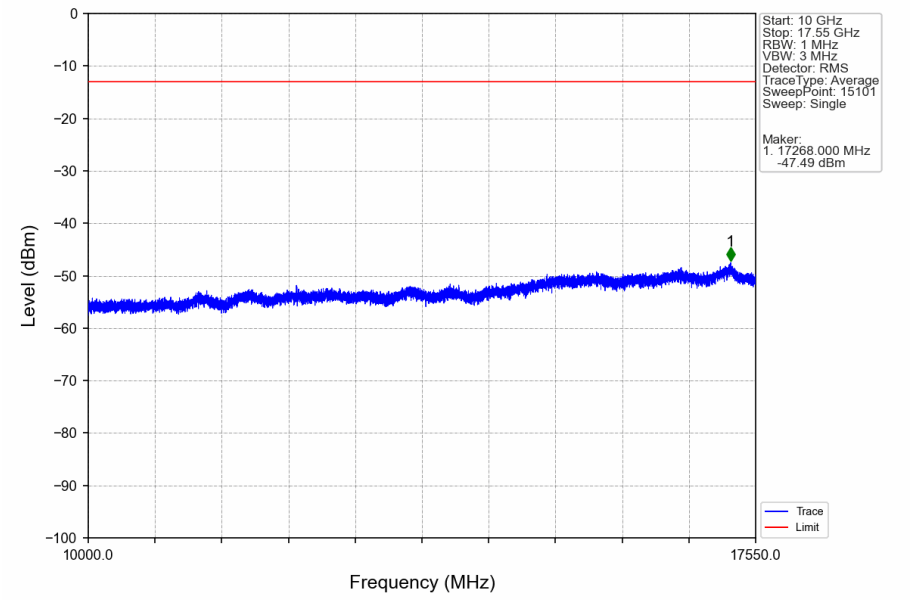
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



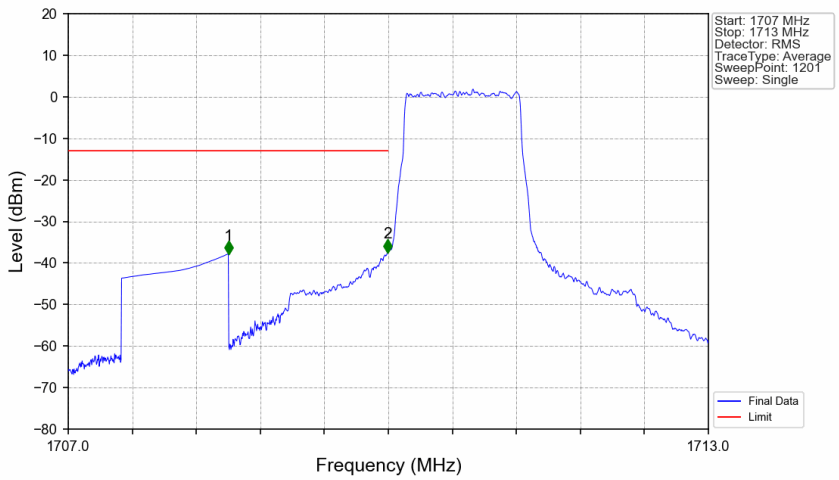
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

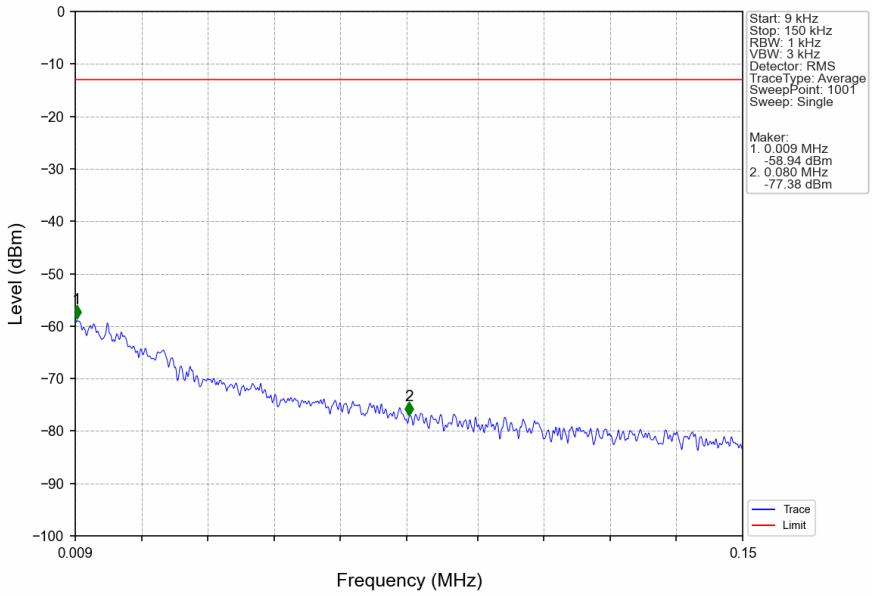


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

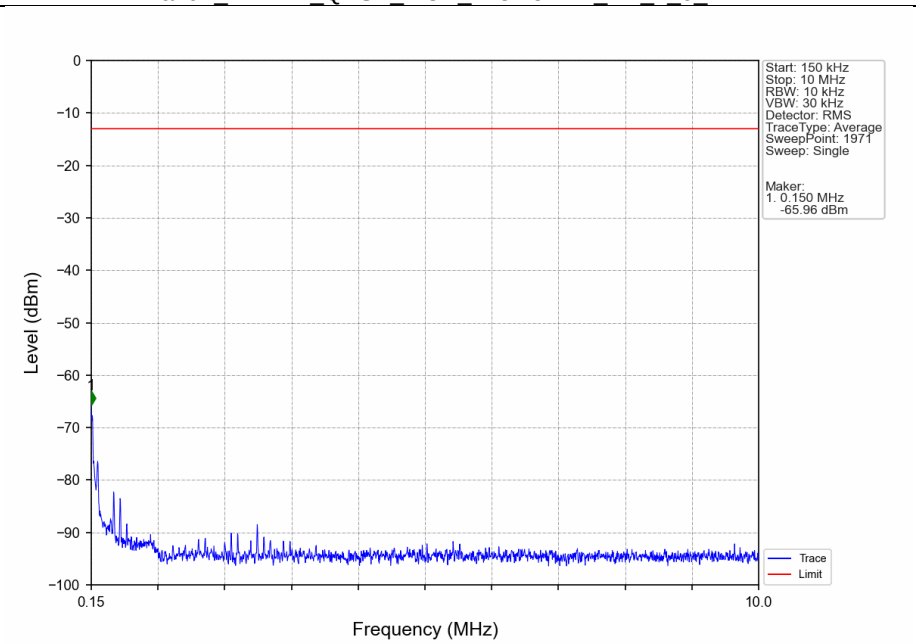


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-37.81	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-37.41	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

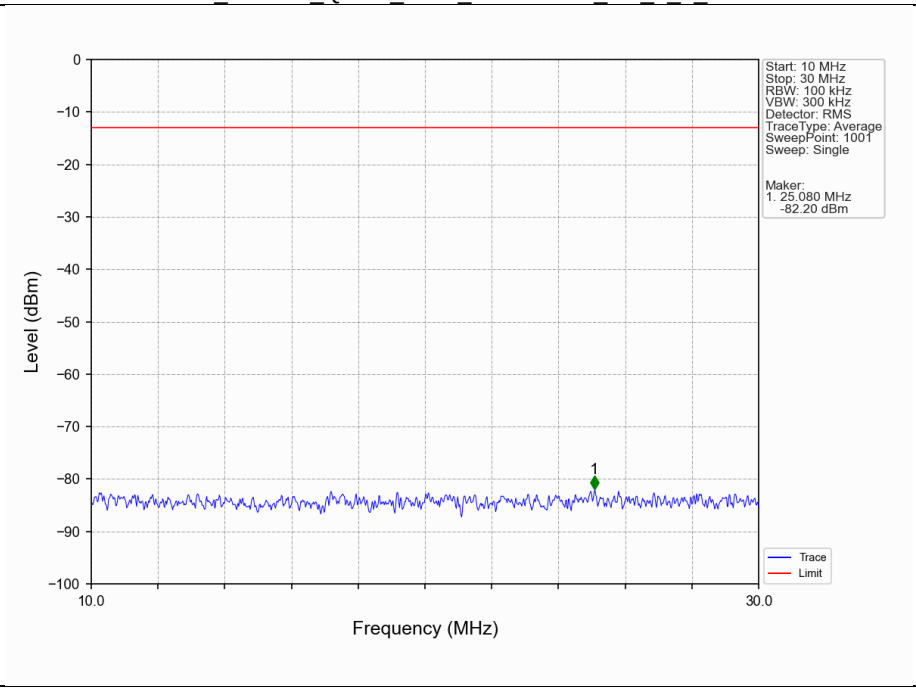
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



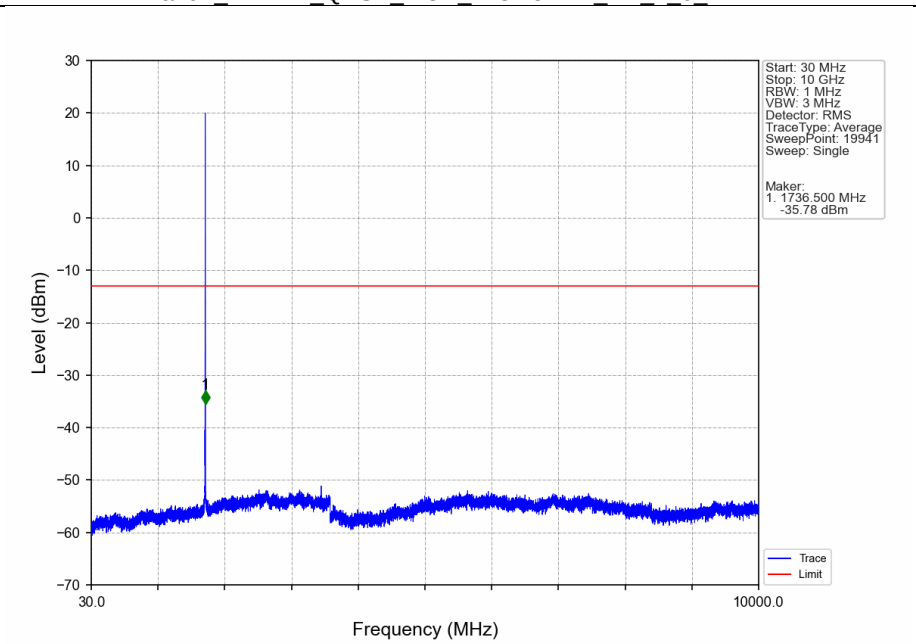
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



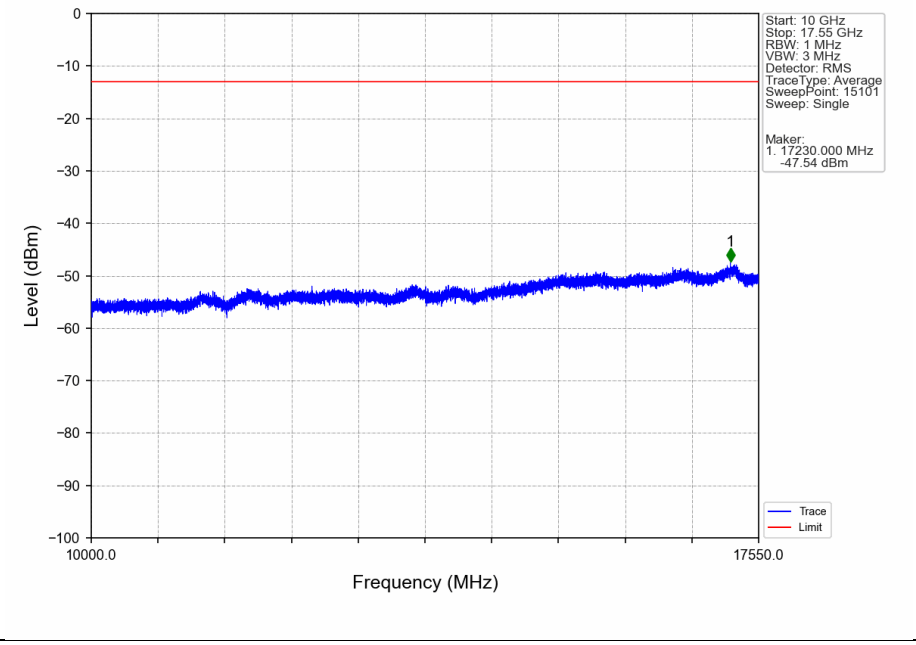
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



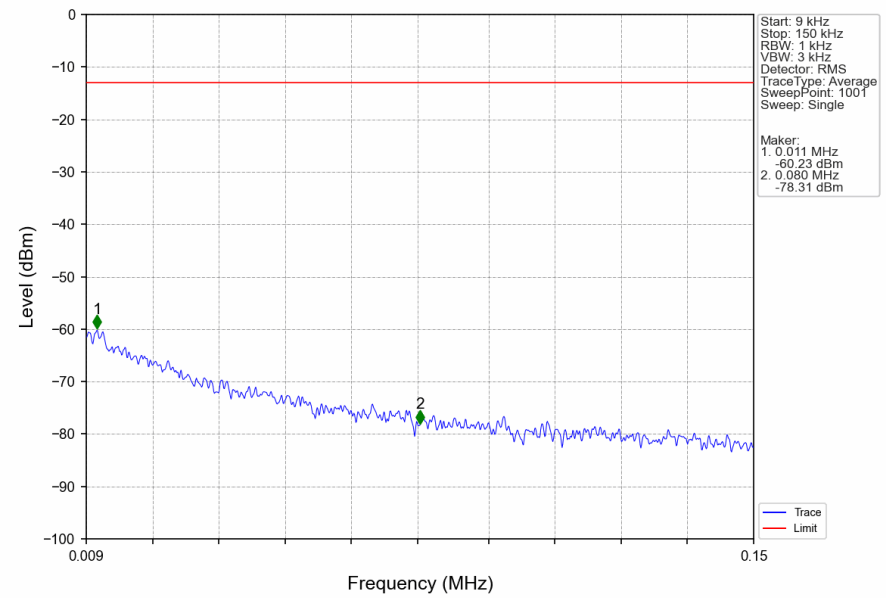
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



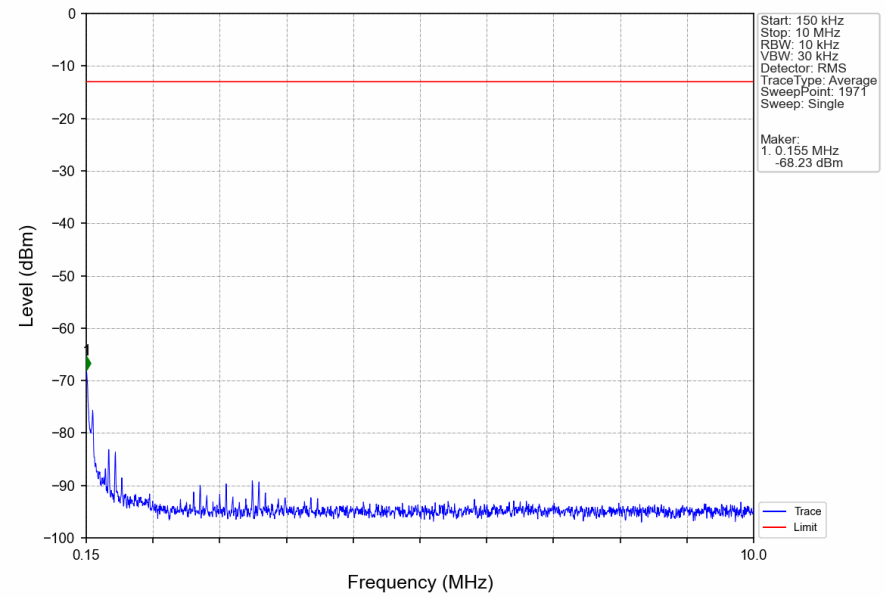
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



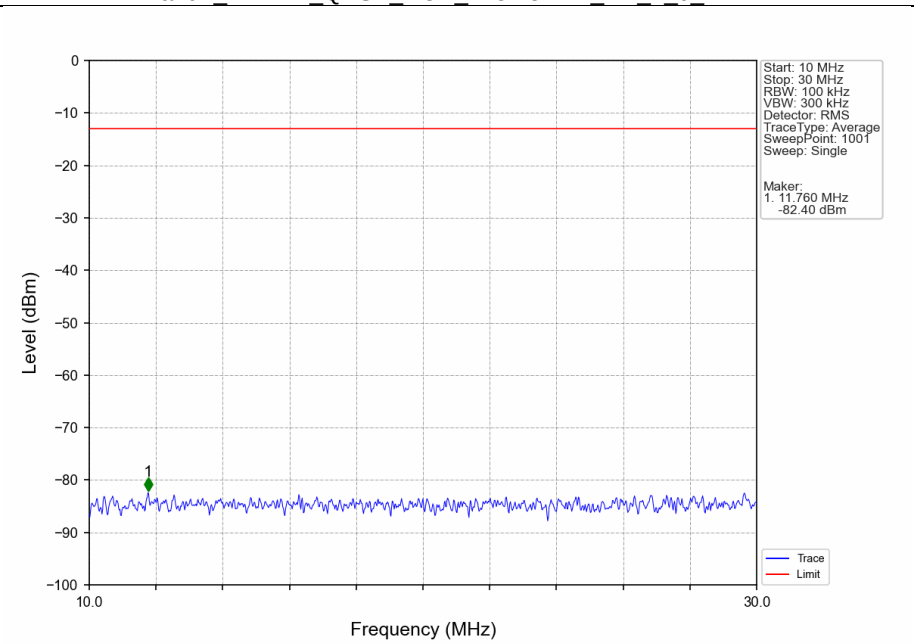
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



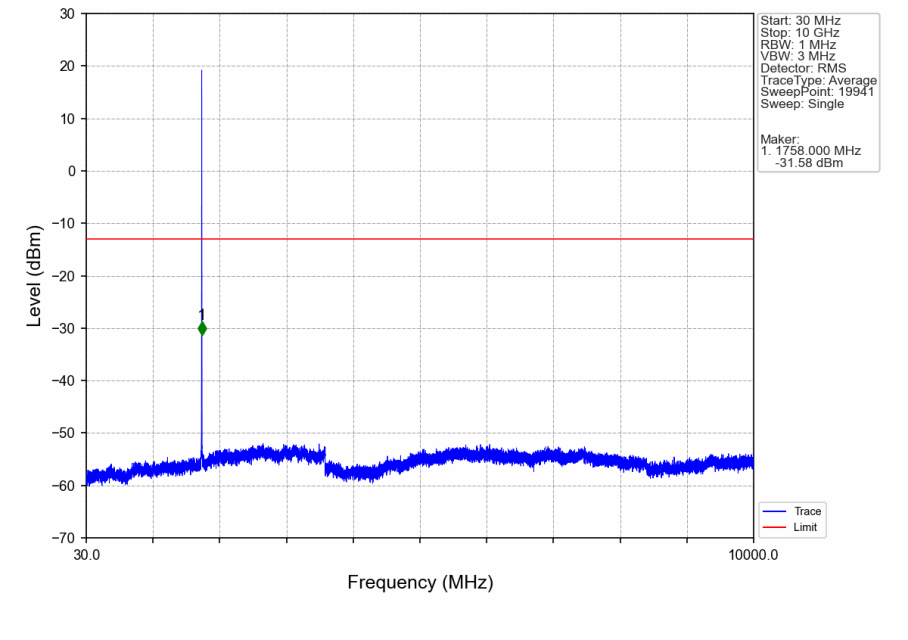
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



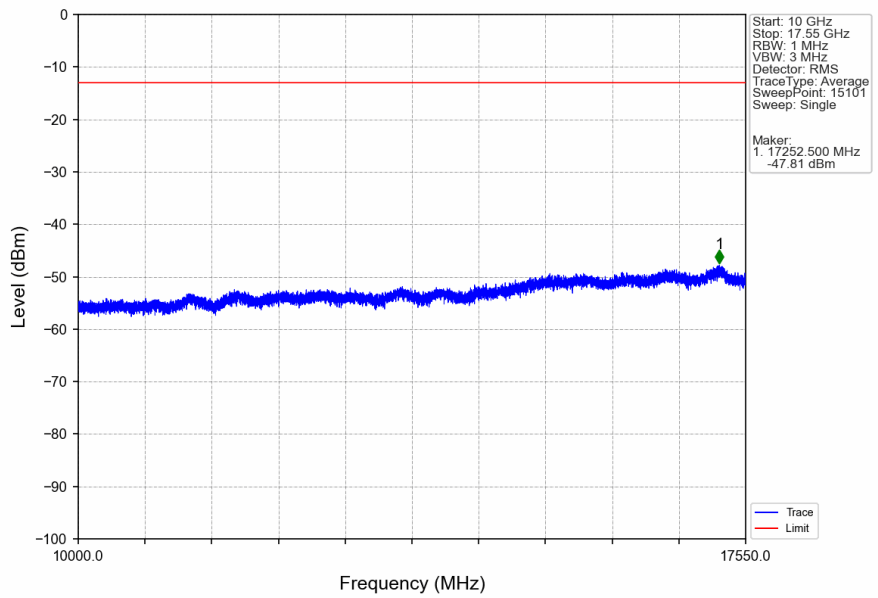
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



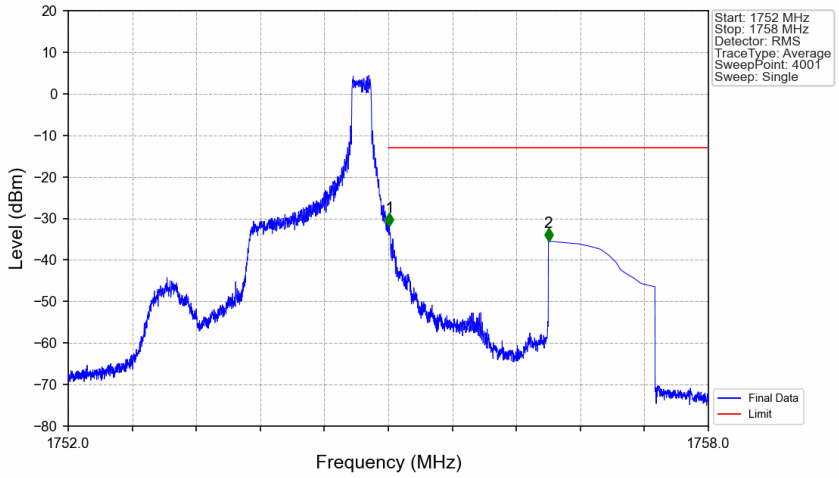
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

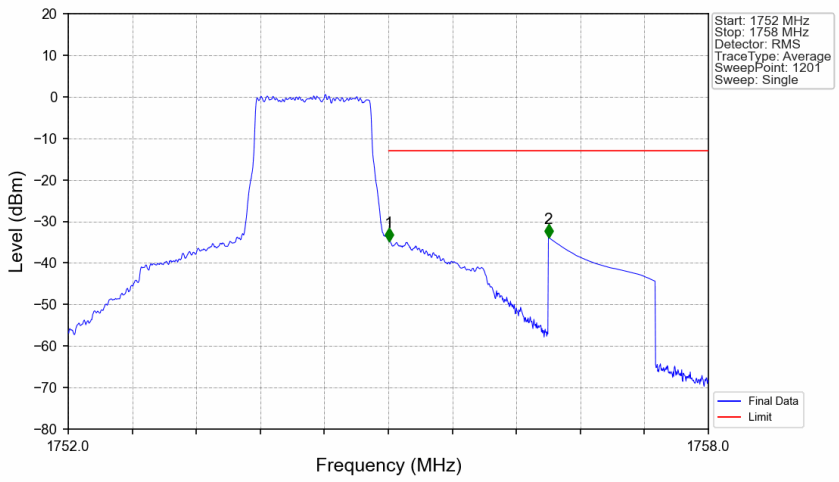


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.011	-31.94	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.47	-13	Pass

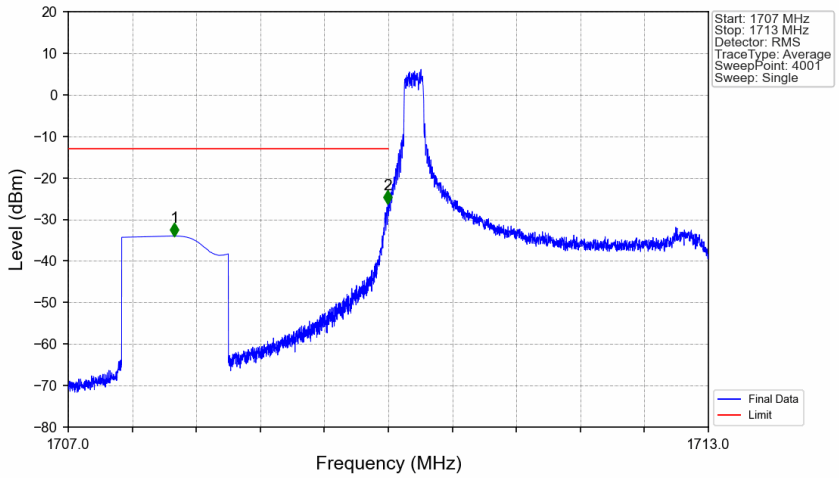
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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	-34.78	-13	Pass
1756	1758	1	CHP	2	1756.500	-33.86	-13	Pass

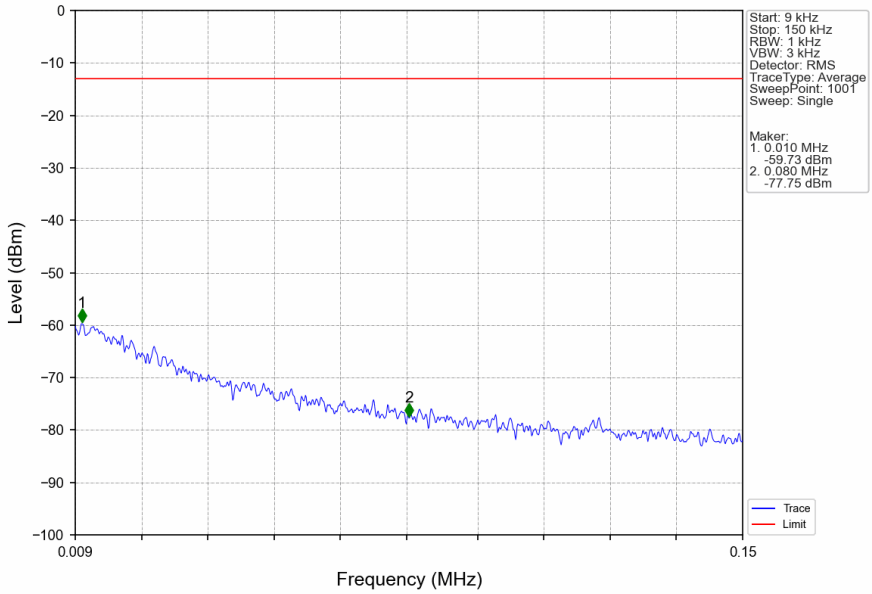
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

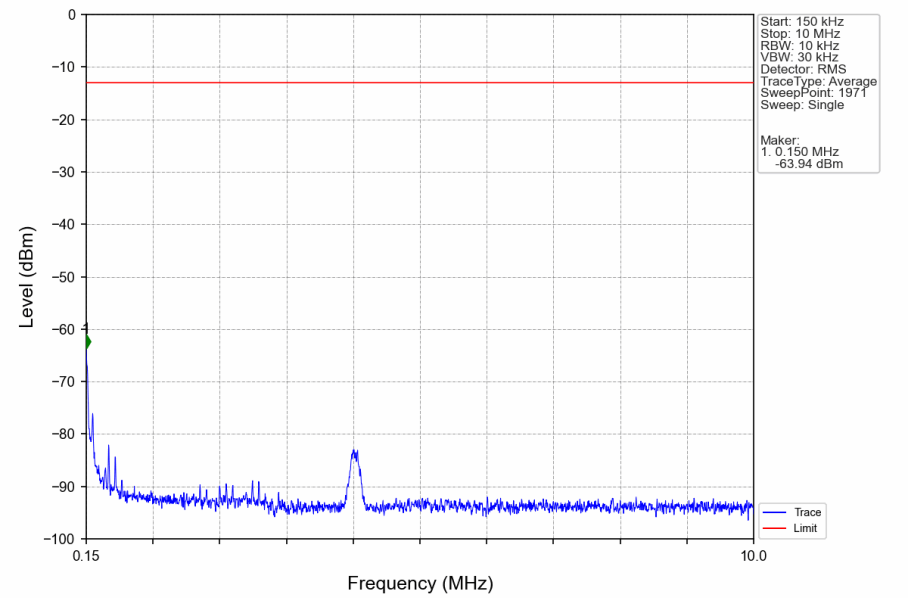


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.996	-33.99	-13	Pass
1709	1710	0.003	/	2	1709.995	-26.23	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

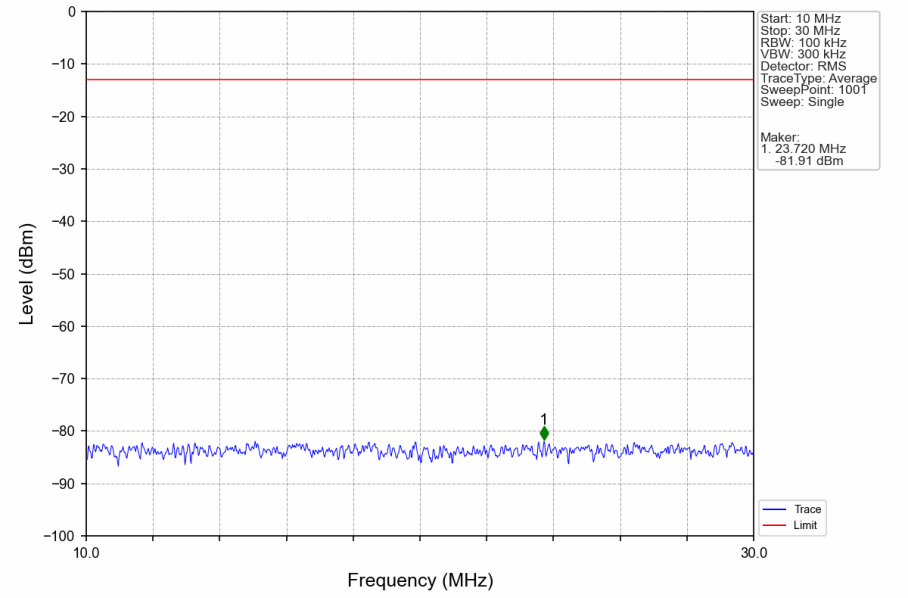
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



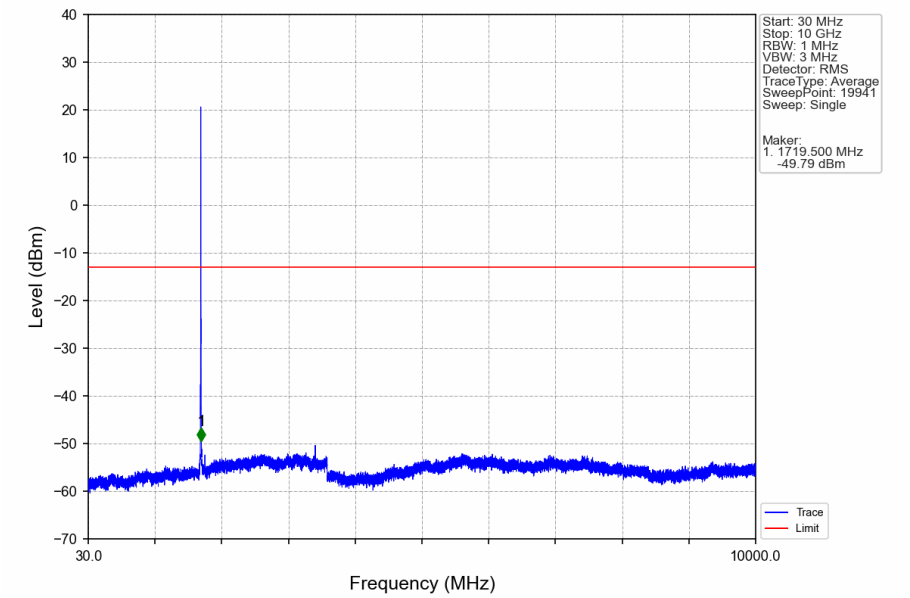
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



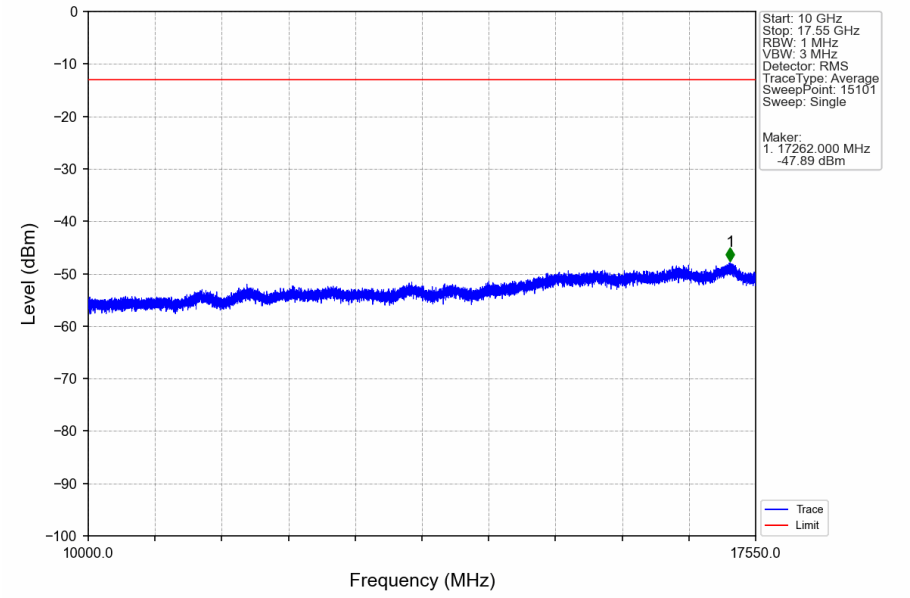
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



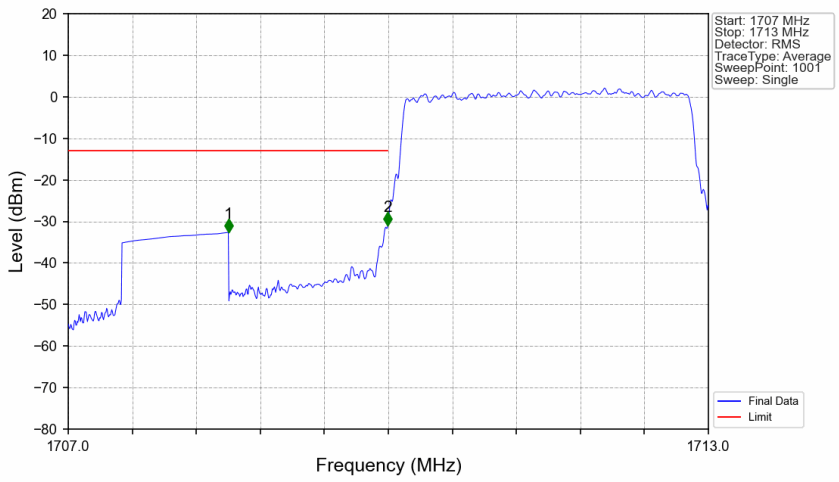
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

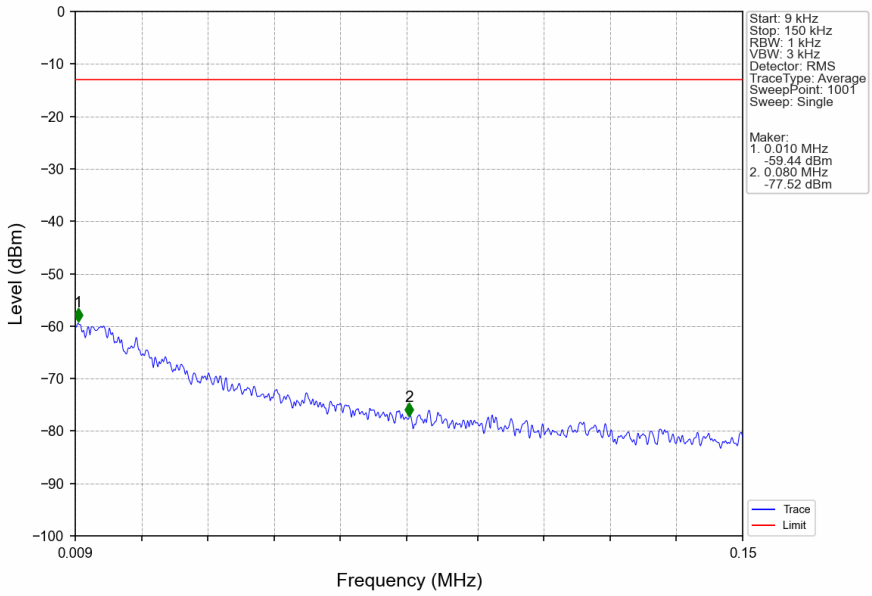


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

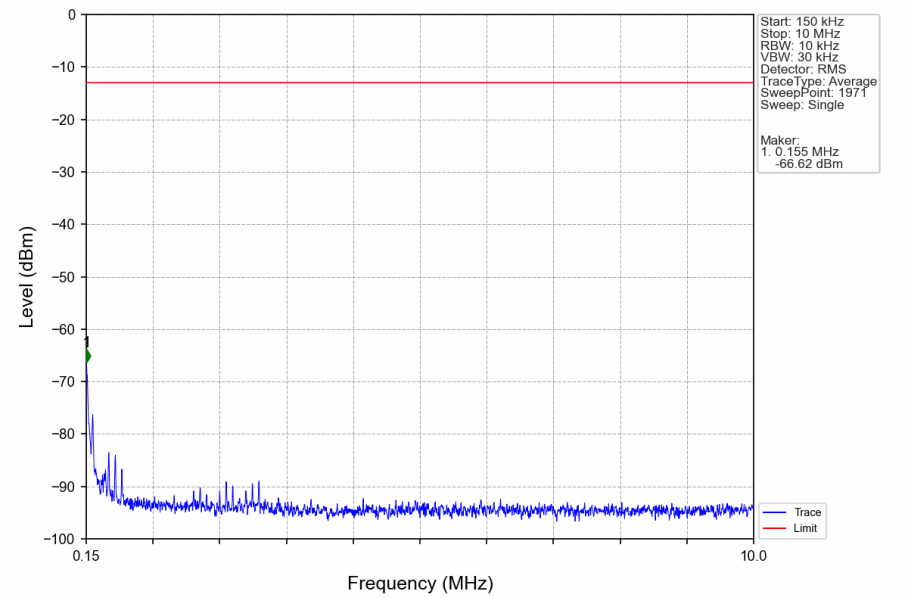


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.65	-13	Pass
1709	1710	0.032	CHP	2	1709.994	-30.94	-13	Pass
1710	1713	0.032	CHP	/	/	/	/	/

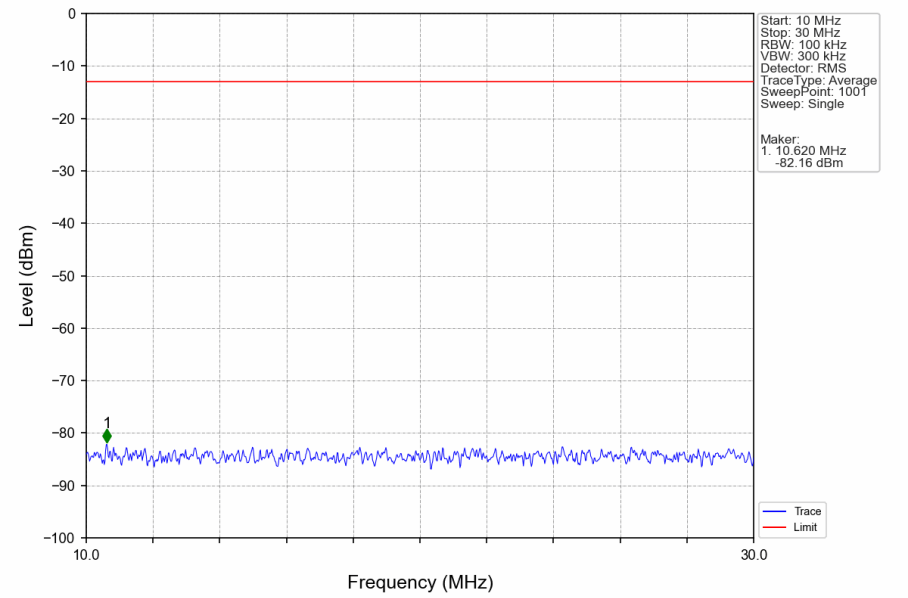
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



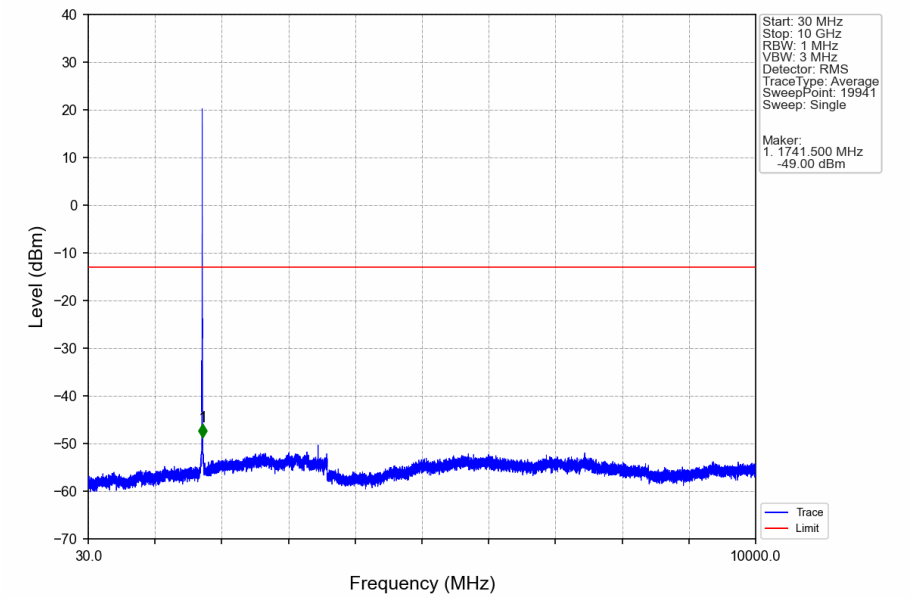
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



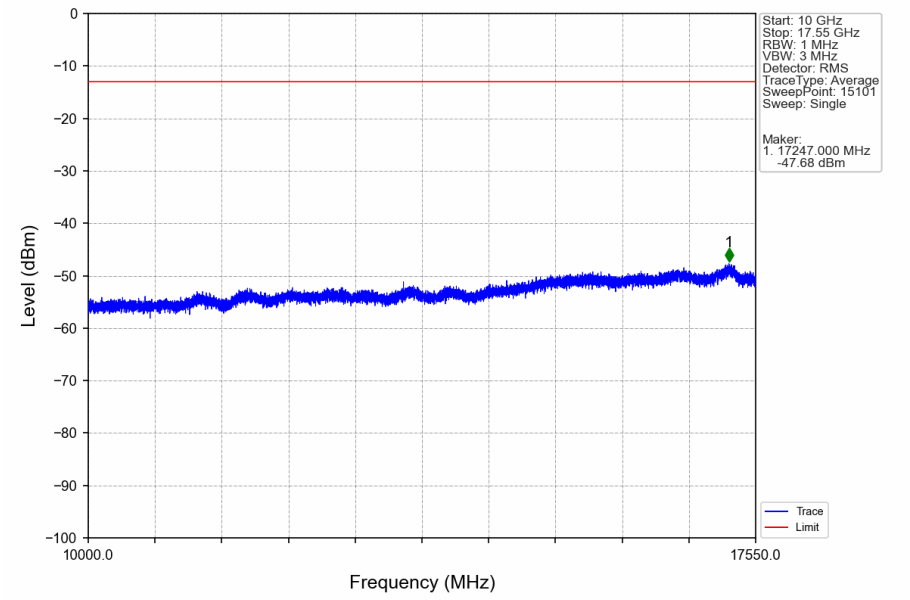
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



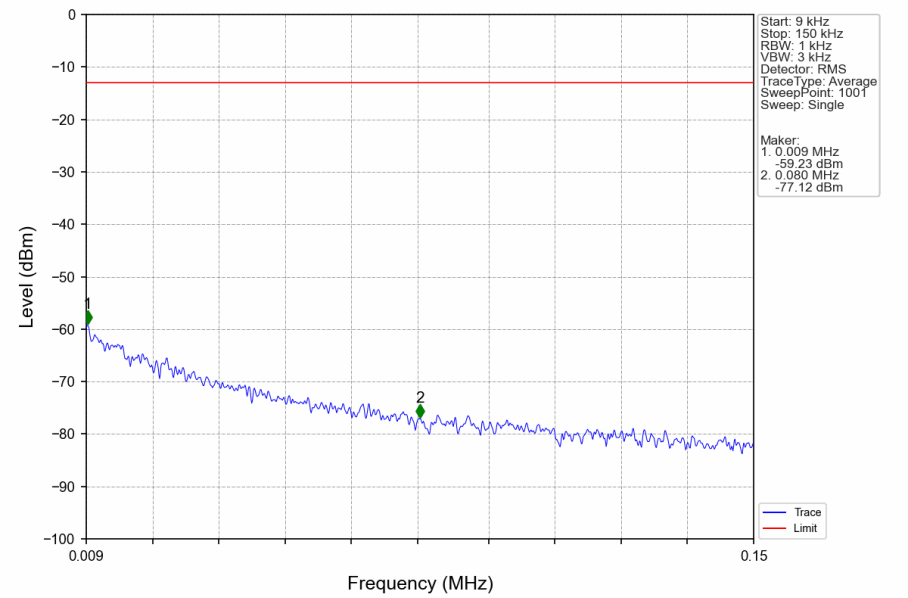
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



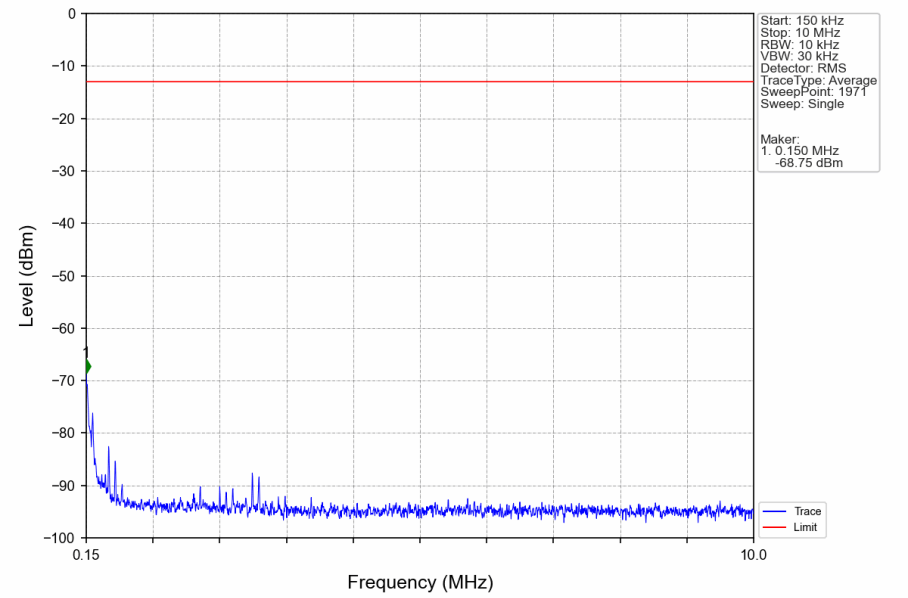
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



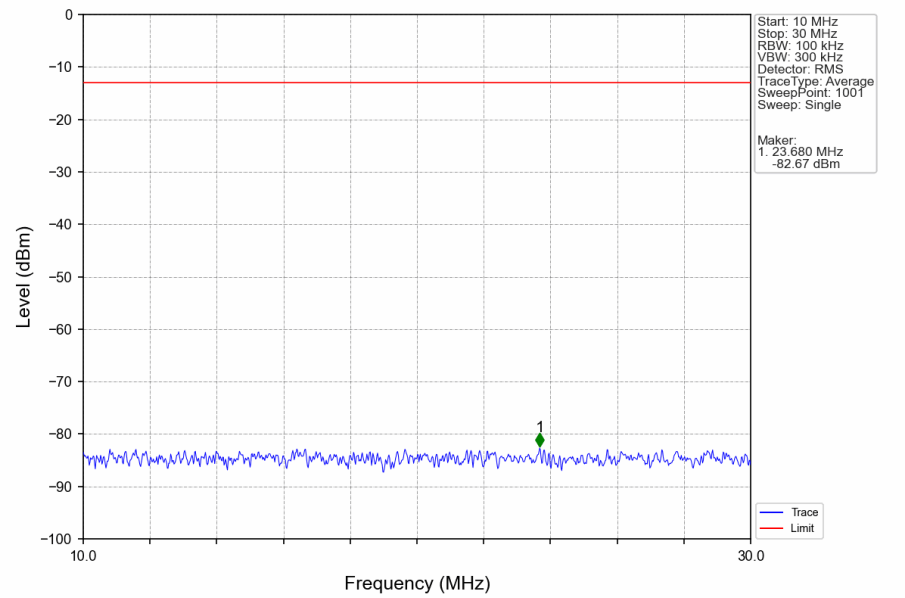
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



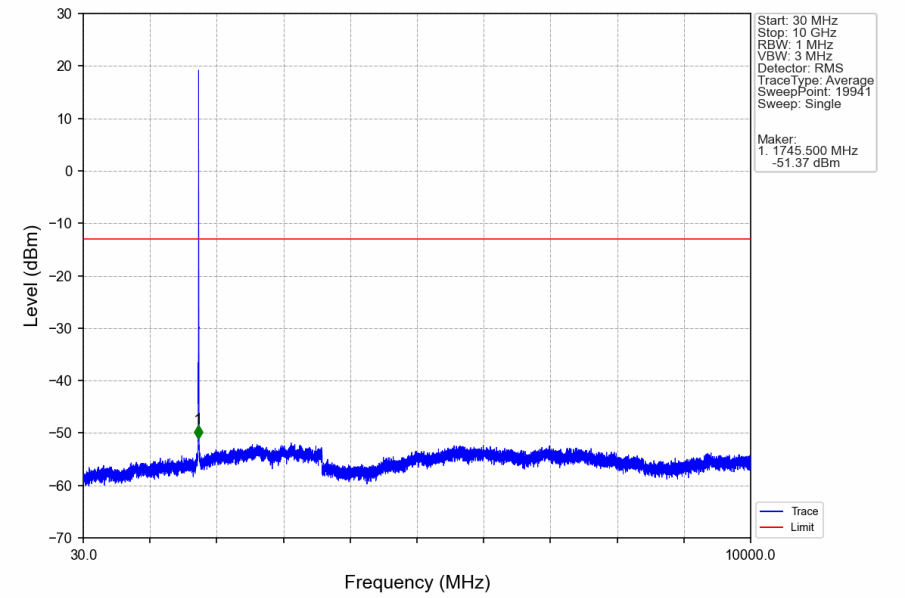
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



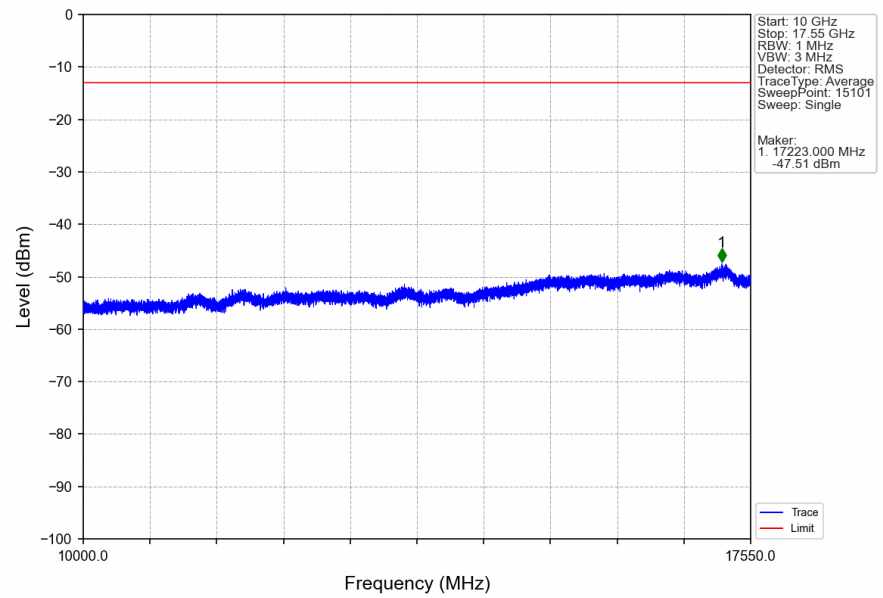
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



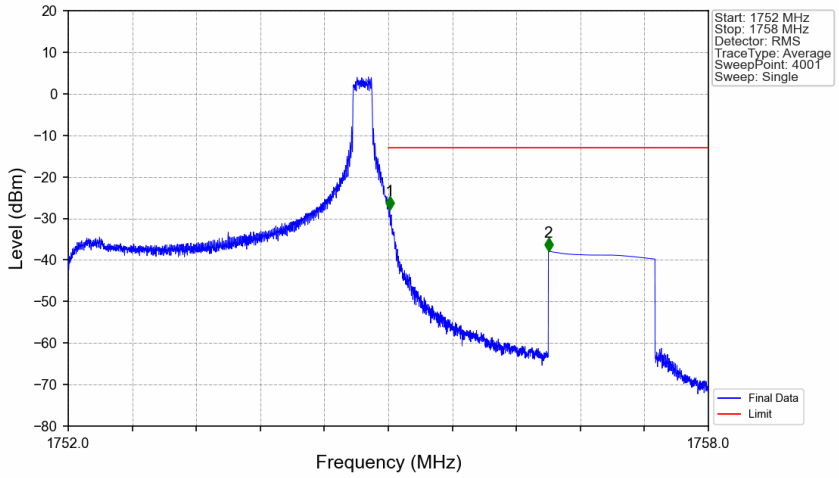
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

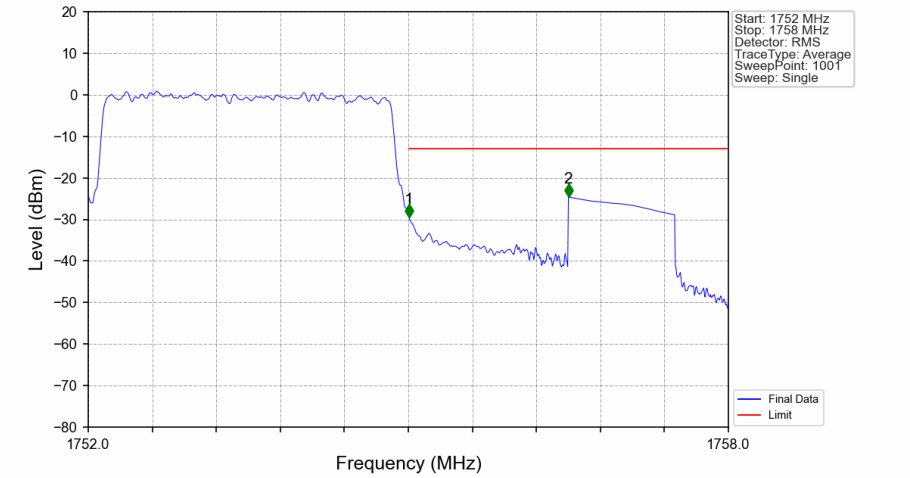


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.014	-27.89	-13	Pass
1756	1758	1	CHP	2	1756.500	-37.89	-13	Pass

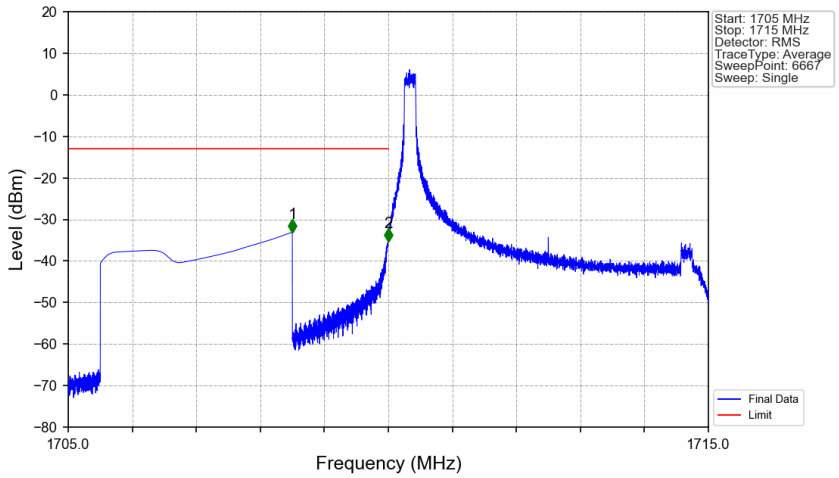
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.032	CHP	/	/	/	/	/
1755	1756	0.032	CHP	1	1755.006	-29.47	-13	Pass
1756	1758	1	CHP	2	1756.500	-24.58	-13	Pass

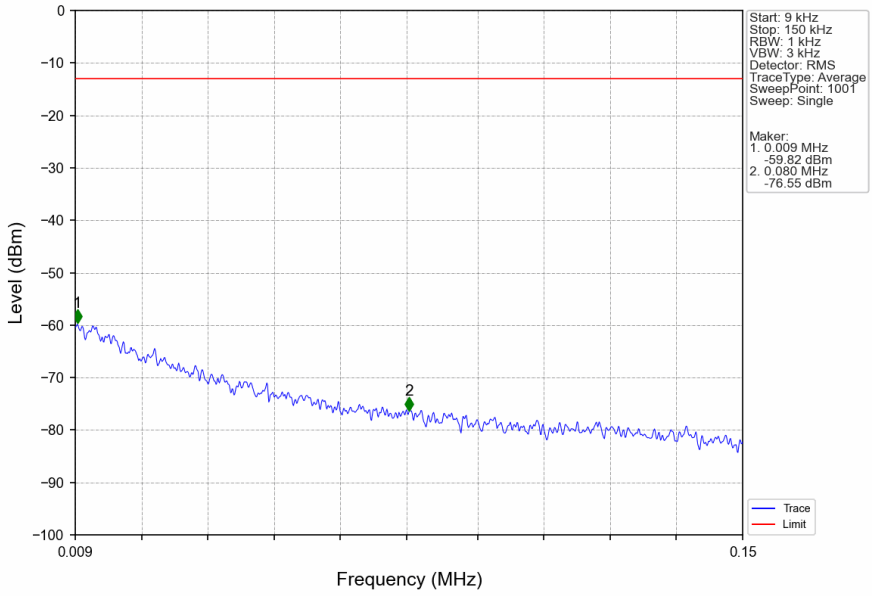
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

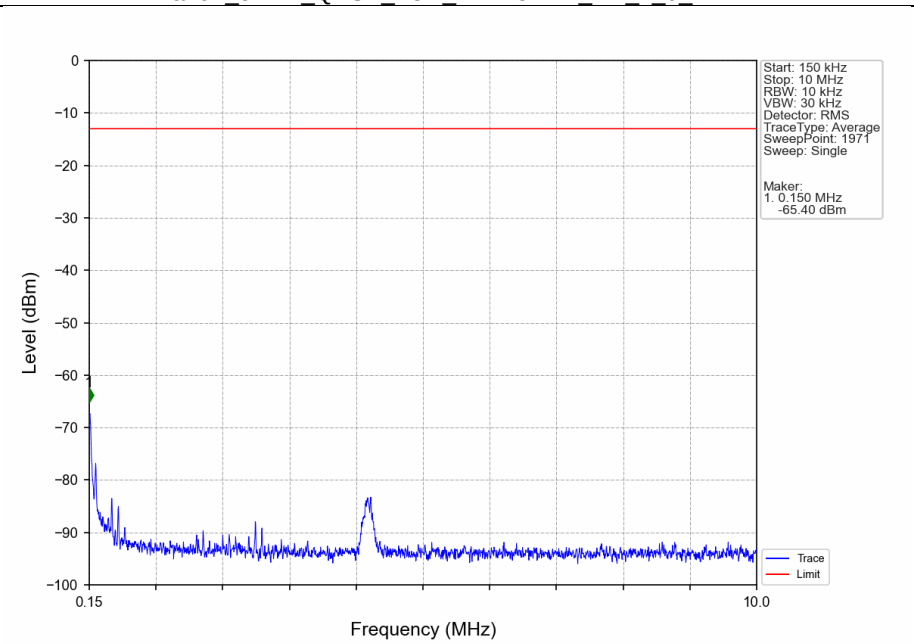


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-33.06	-13	Pass
1709	1710	0.003	/	2	1709.997	-35.29	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

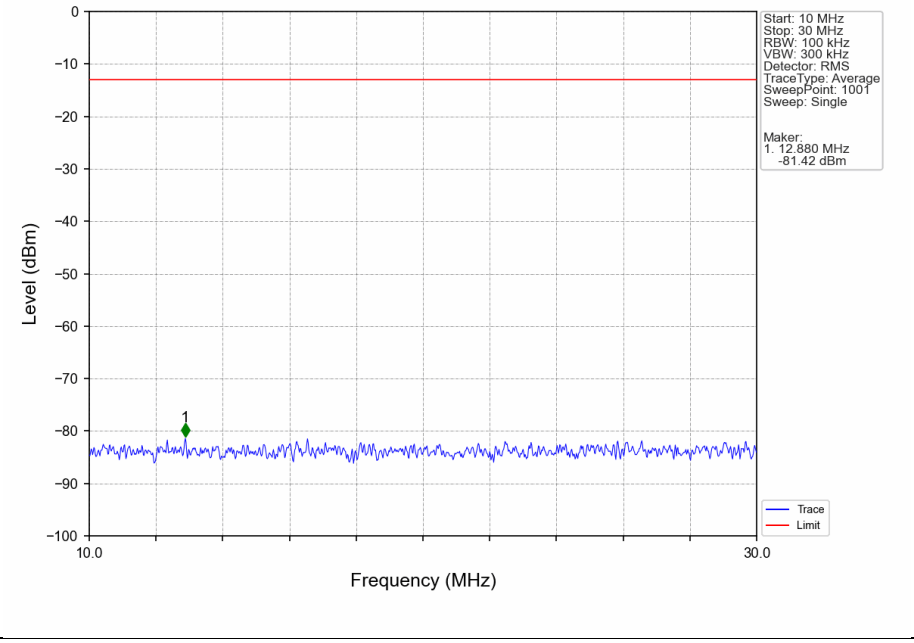
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



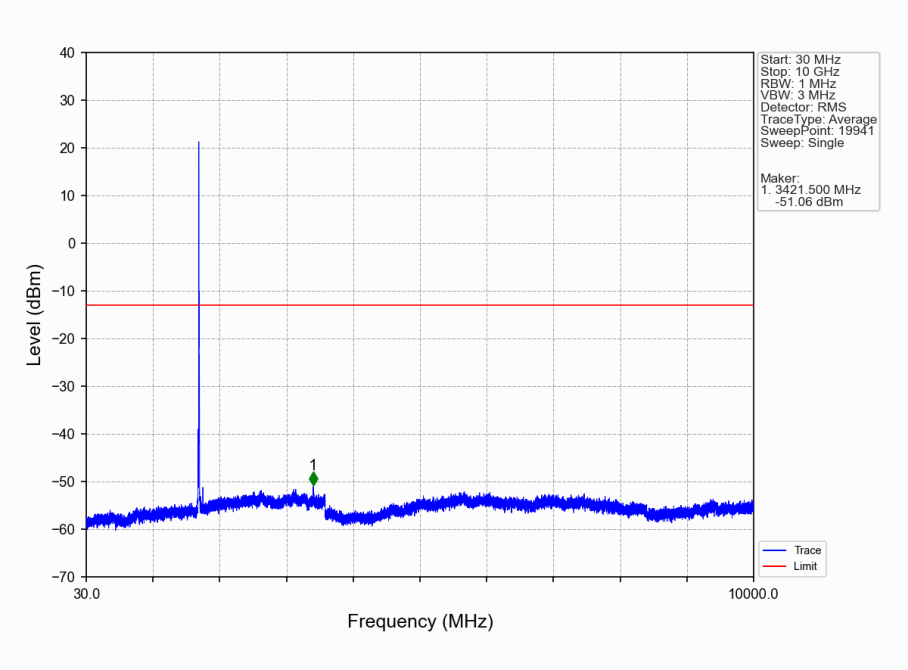
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



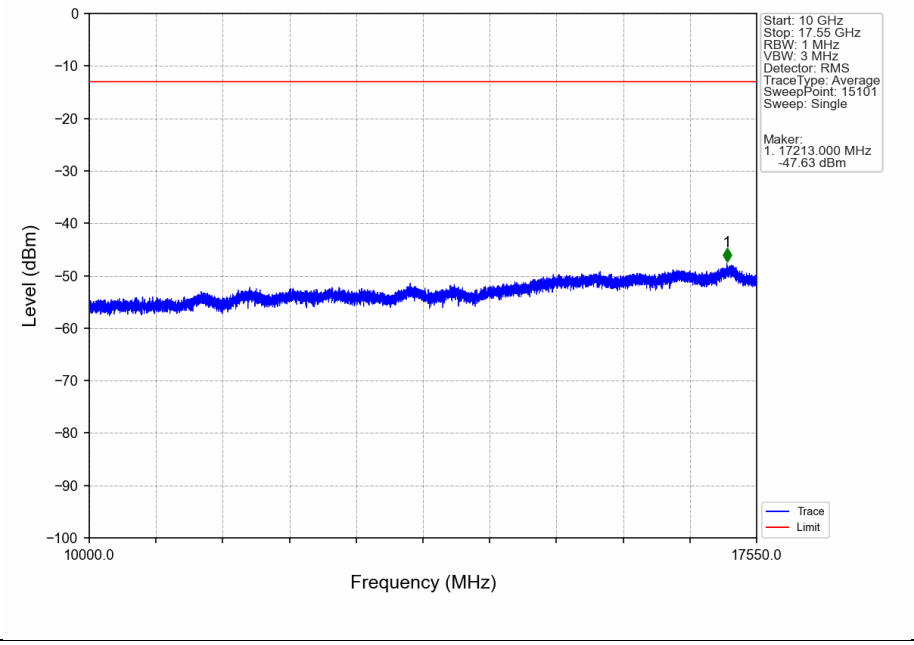
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



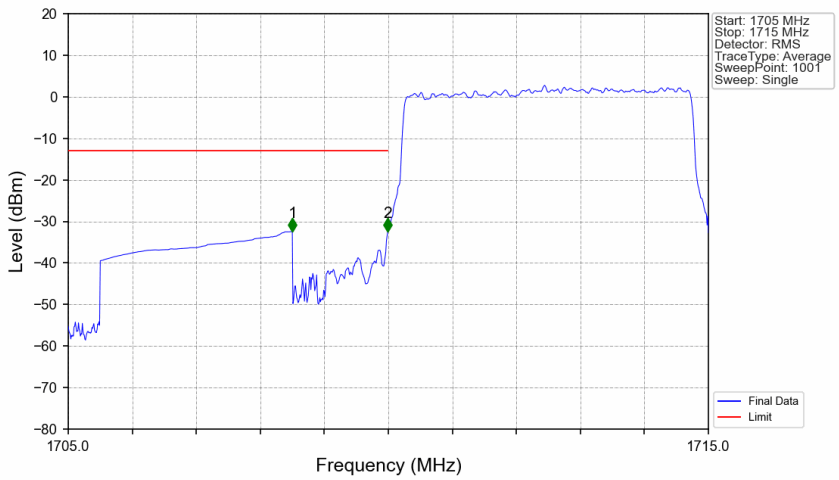
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

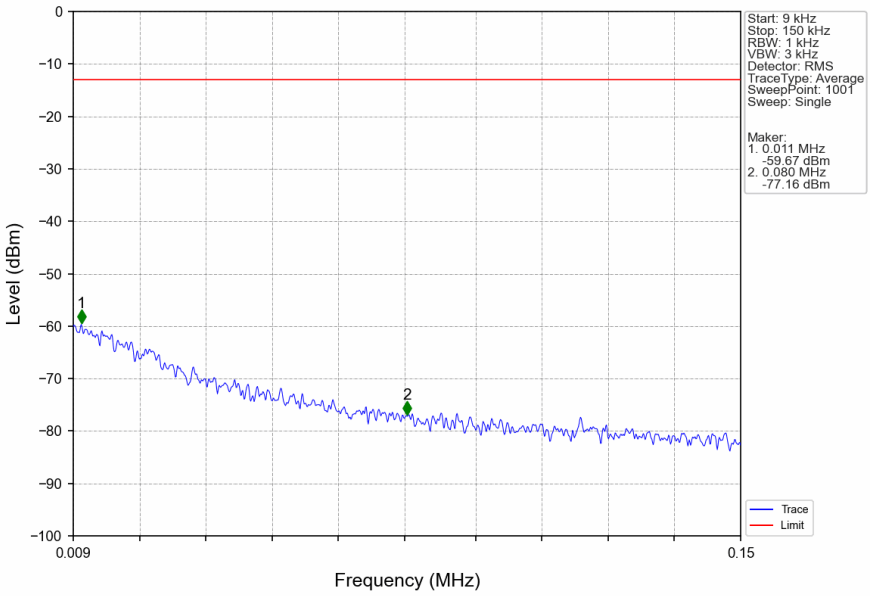


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

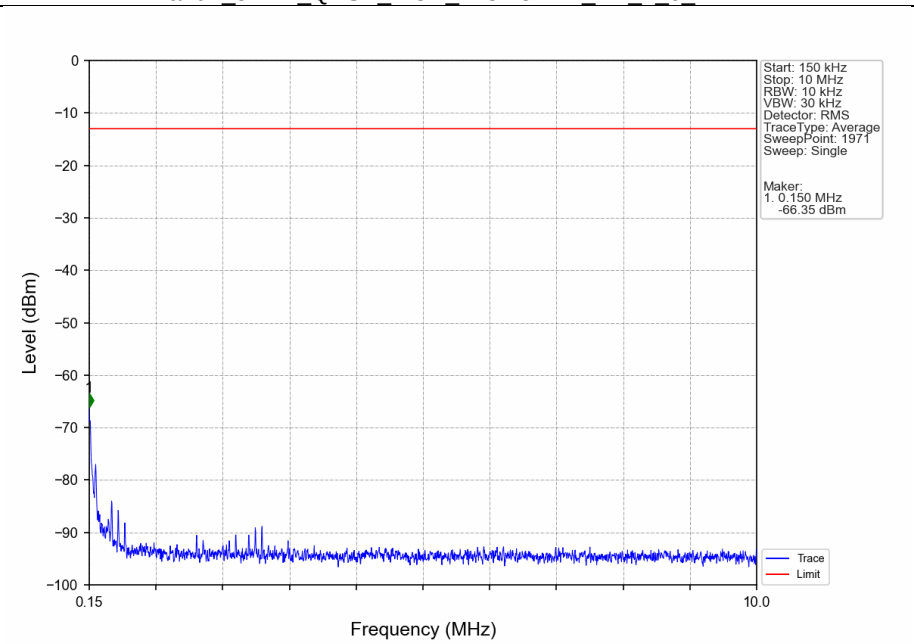


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-32.43	-13	Pass
1709	1710	0.059	CHP	2	1709.990	-32.48	-13	Pass
1710	1715	0.059	CHP	/	/	/	/	/

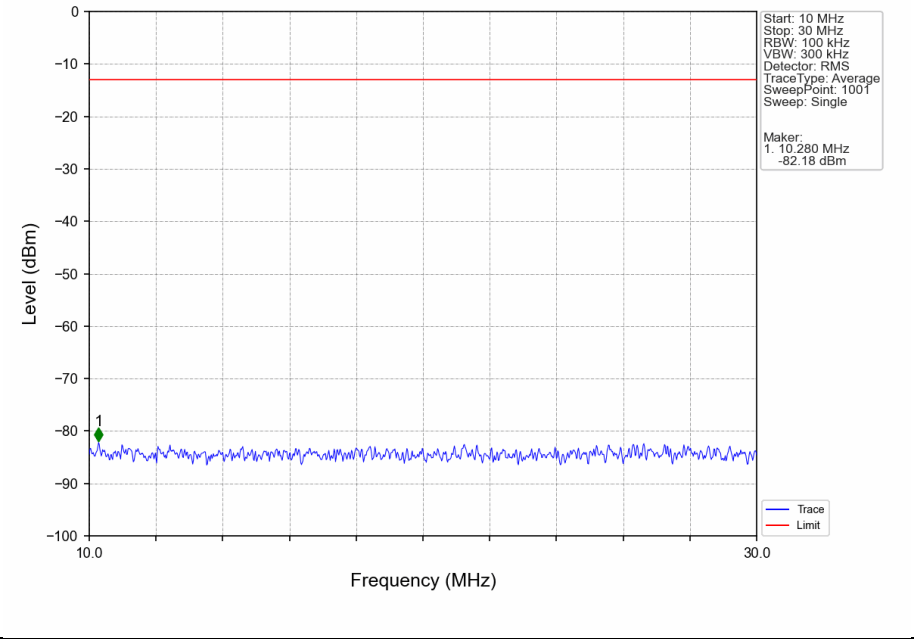
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



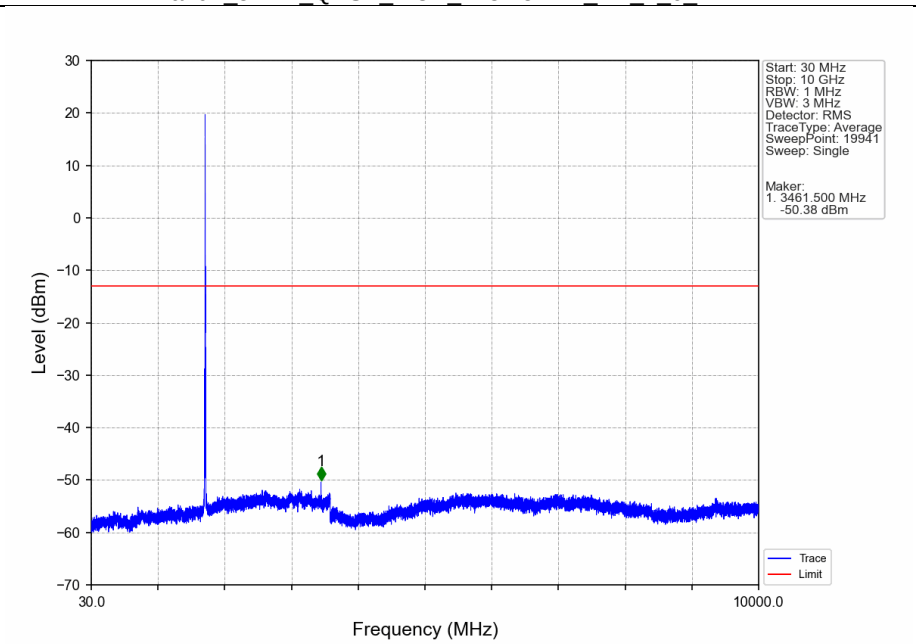
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



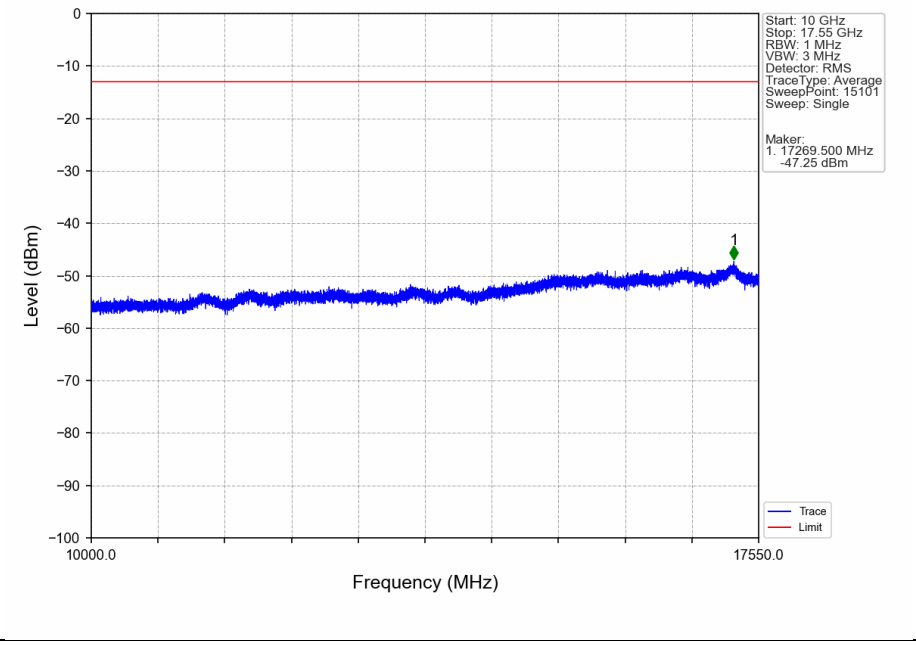
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



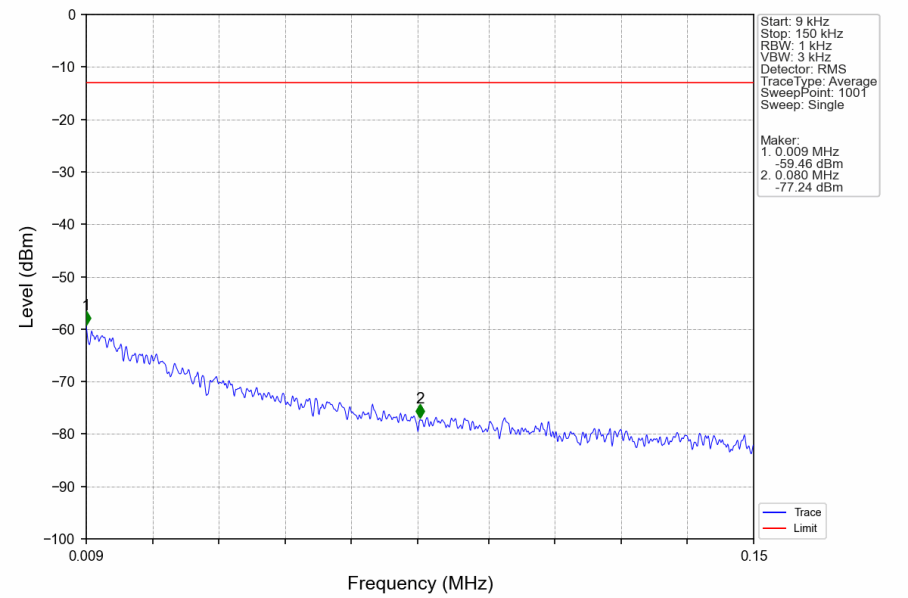
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



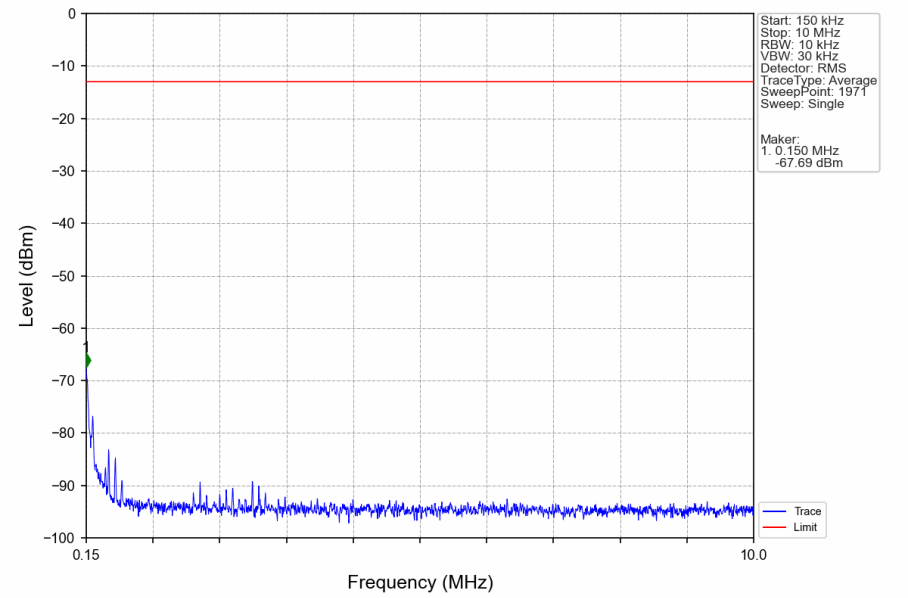
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



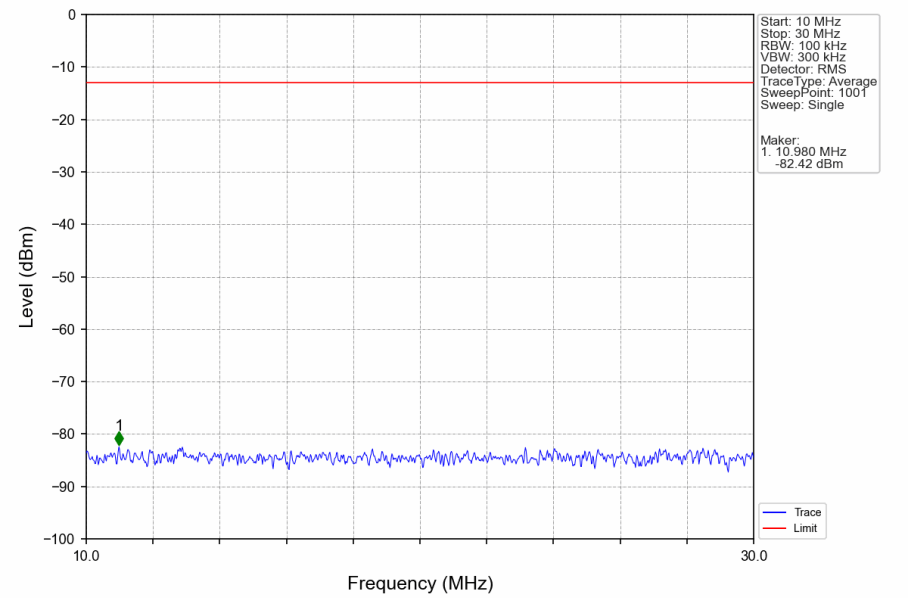
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



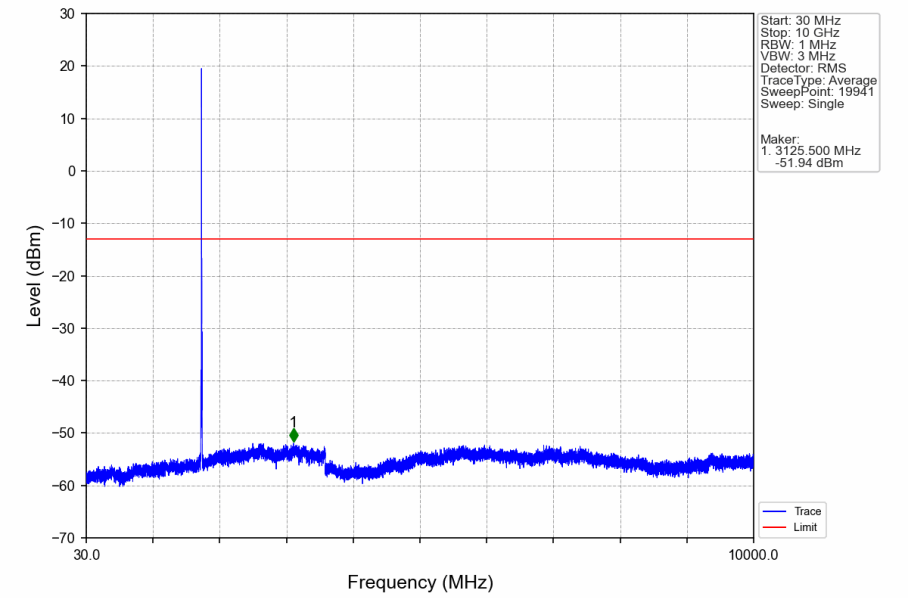
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



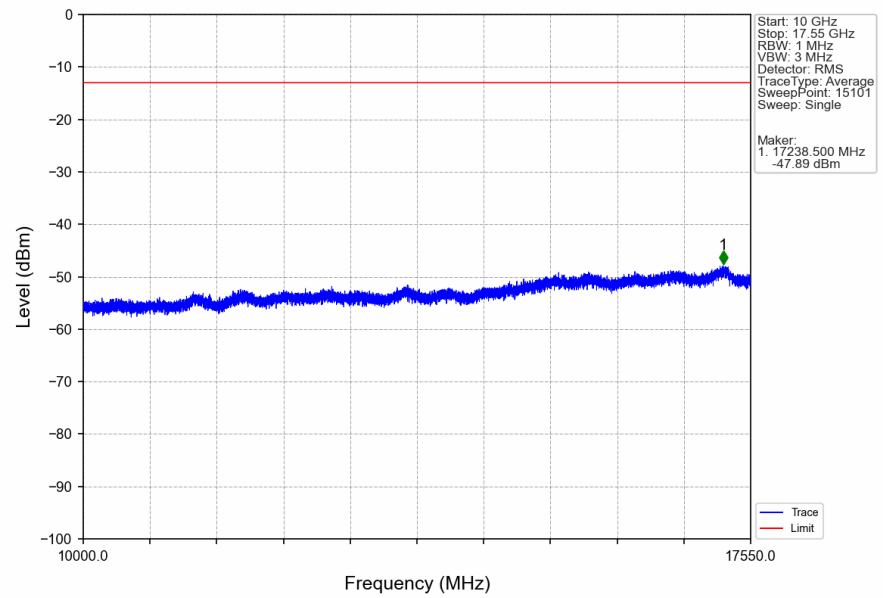
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



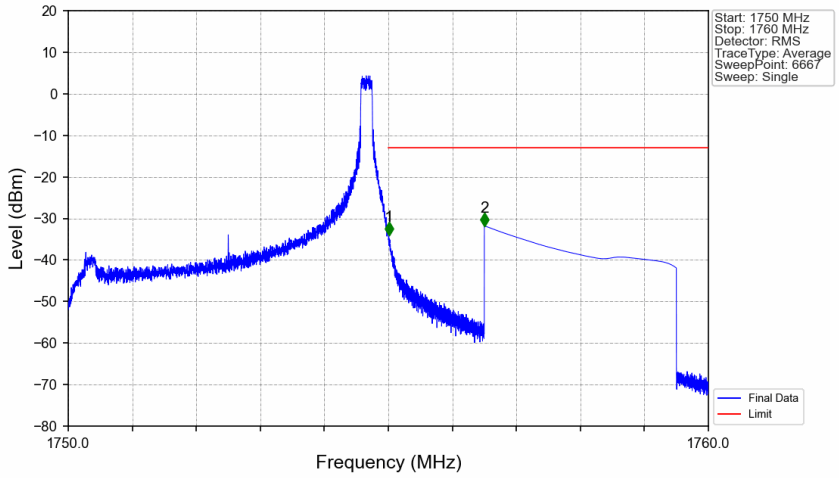
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

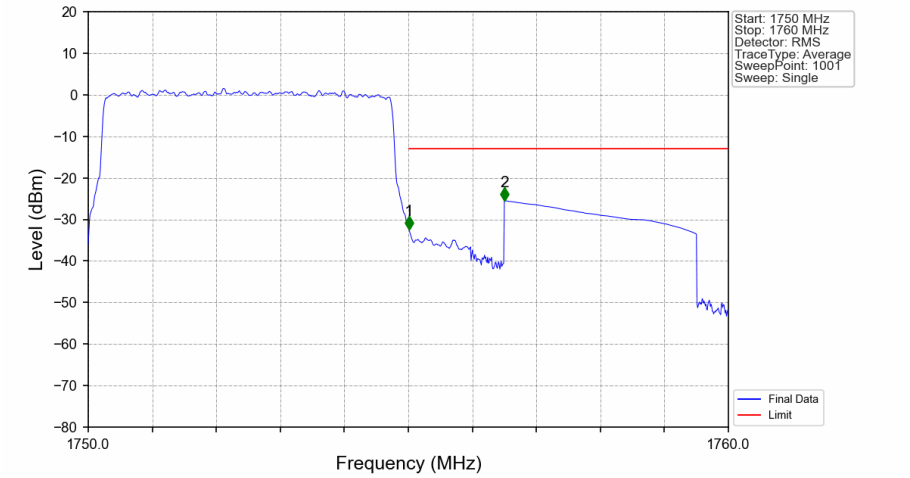


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.008	-34.09	-13	Pass
1756	1760	1	CHP	2	1756.500	-31.79	-13	Pass

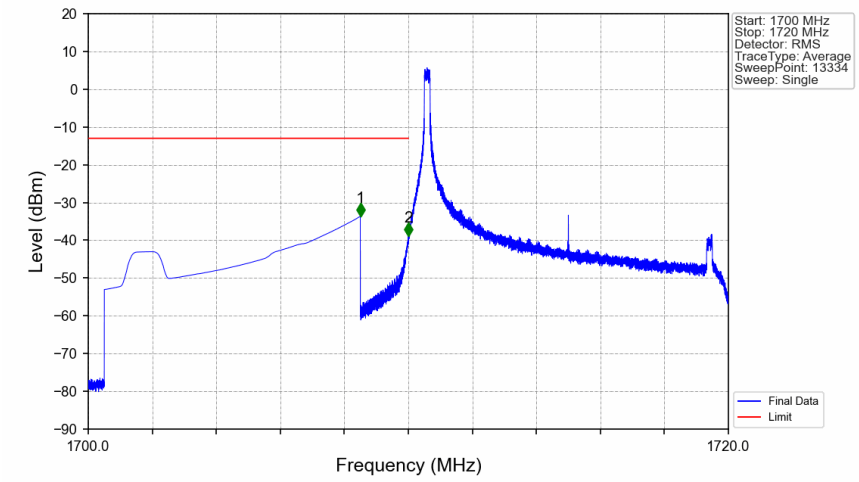
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.059	CHP	/	/	/	/	/
1755	1756	0.059	CHP	1	1755.010	-32.46	-13	Pass
1756	1760	1	CHP	2	1756.500	-25.45	-13	Pass

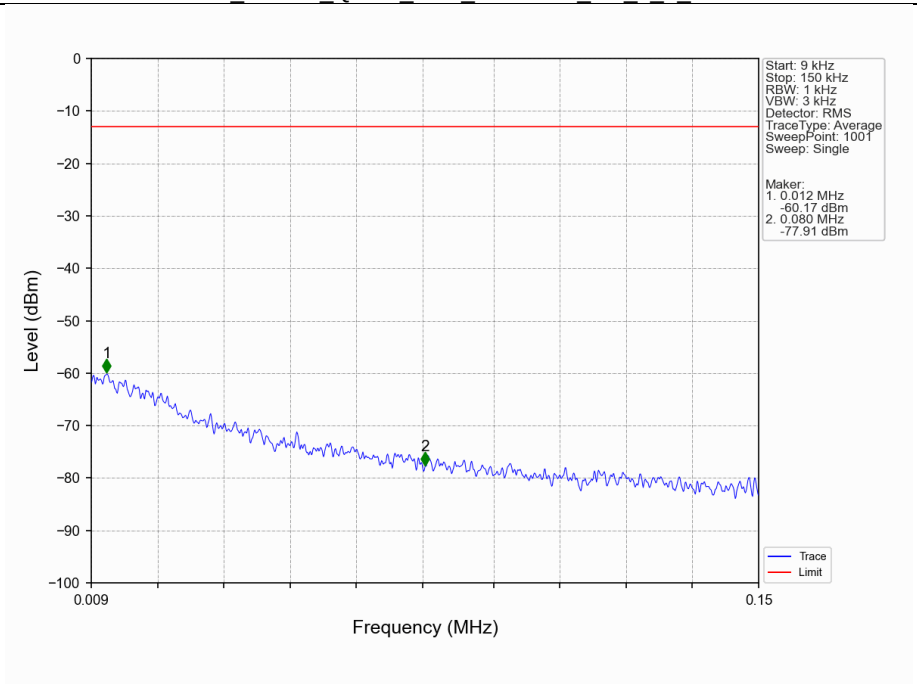
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

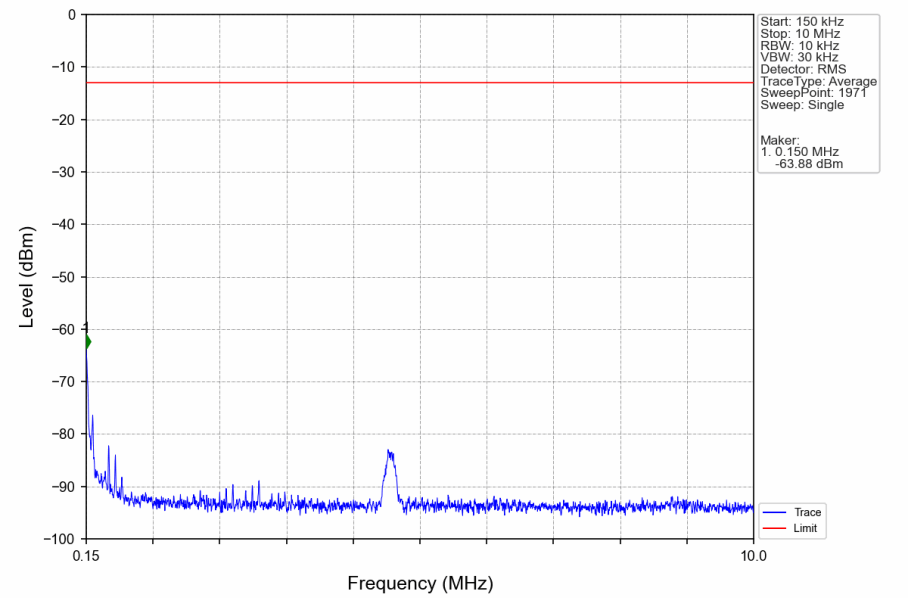


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-33.66	-13	Pass
1709	1710	0.003	/	2	1709.998	-38.76	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

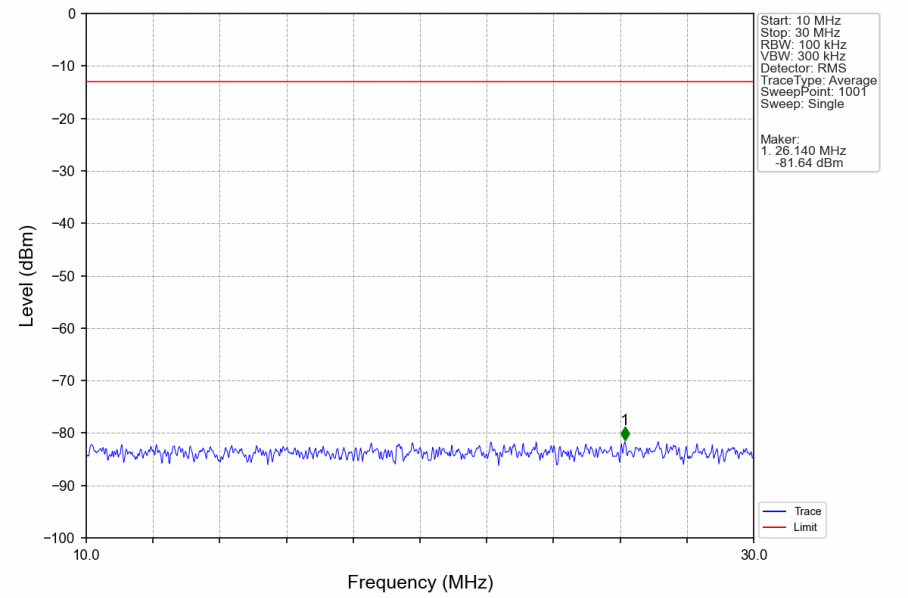
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



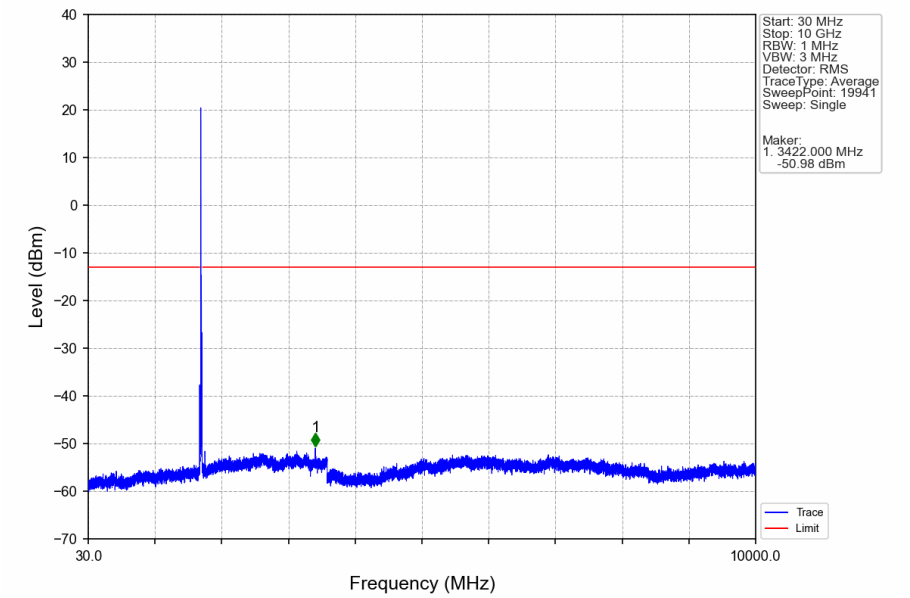
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



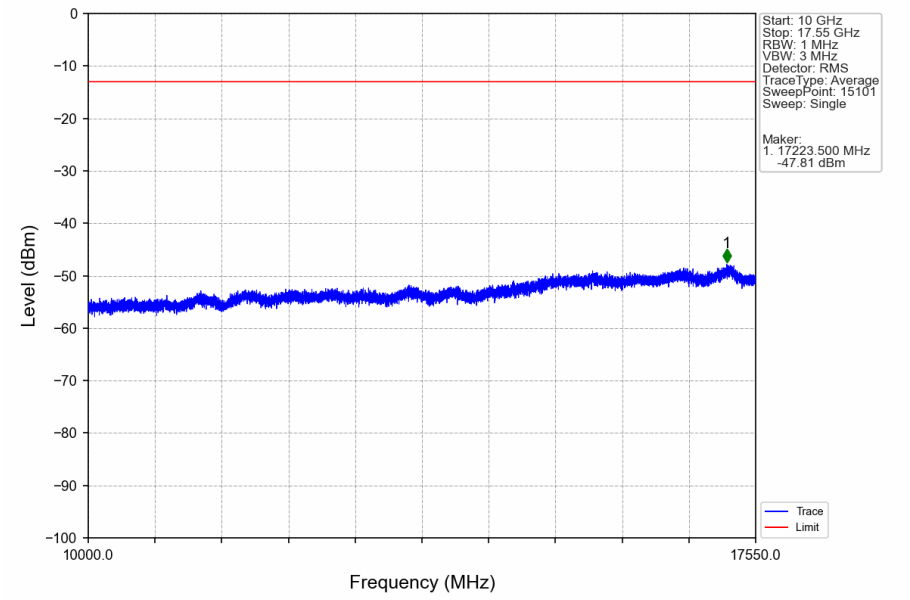
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



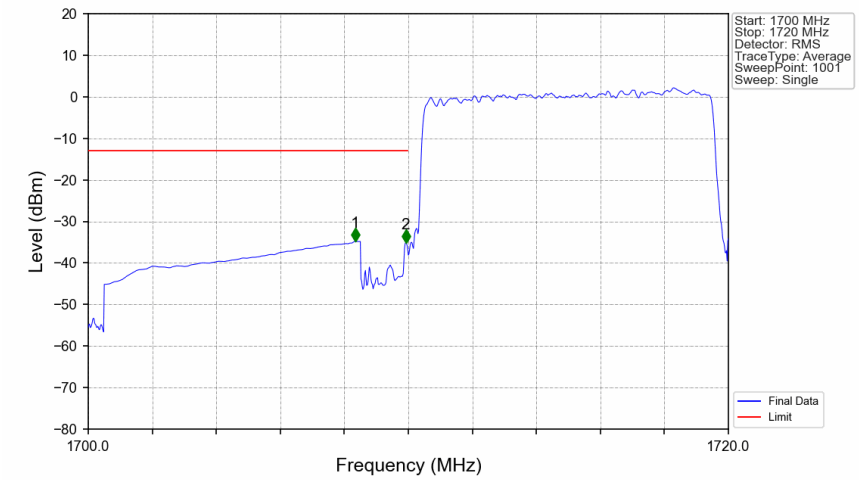
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



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	1708.340	-34.84	-13	Pass
1709	1710	0.105	CHP	2	1709.920	-35.12	-13	Pass
1710	1720	0.105	CHP	/	/	/	/	/

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV