

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	23.83	2.80	26.63	<=30	Pass
			7	23.76	2.80	26.56	<=30	Pass
			14	23.72	2.80	26.52	<=30	Pass
		8	0	23.27	2.80	26.07	<=30	Pass
			4	23.27	2.80	26.07	<=30	Pass
			7	23.25	2.80	26.05	<=30	Pass
		15	0	23.26	2.80	26.06	<=30	Pass
	1732.5	1	0	23.78	2.80	26.58	<=30	Pass
			7	23.80	2.80	26.60	<=30	Pass
			14	23.79	2.80	26.59	<=30	Pass
		8	0	23.28	2.80	26.08	<=30	Pass
			4	23.22	2.80	26.02	<=30	Pass
			7	23.23	2.80	26.03	<=30	Pass
		15	0	23.22	2.80	26.02	<=30	Pass
	1753.5	1	0	23.70	2.80	26.50	<=30	Pass
			7	23.72	2.80	26.52	<=30	Pass
			14	23.73	2.80	26.53	<=30	Pass
		8	0	23.26	2.80	26.06	<=30	Pass
			4	23.25	2.80	26.05	<=30	Pass
			7	23.25	2.80	26.05	<=30	Pass
16QAM	1711.5	1	0	23.40	2.80	26.20	<=30	Pass
			7	23.34	2.80	26.14	<=30	Pass
			14	23.31	2.80	26.11	<=30	Pass
		8	0	22.43	2.80	25.23	<=30	Pass
			4	22.42	2.80	25.22	<=30	Pass
			7	22.41	2.80	25.21	<=30	Pass
		15	0	22.34	2.80	25.14	<=30	Pass
	1732.5	1	0	22.83	2.80	25.63	<=30	Pass
			7	22.87	2.80	25.67	<=30	Pass
			14	22.81	2.80	25.61	<=30	Pass
		8	0	22.33	2.80	25.13	<=30	Pass
			4	22.29	2.80	25.09	<=30	Pass
			7	22.28	2.80	25.08	<=30	Pass
		15	0	22.27	2.80	25.07	<=30	Pass
	1753.5	1	0	22.96	2.80	25.76	<=30	Pass
			7	22.95	2.80	25.75	<=30	Pass
			14	22.90	2.80	25.70	<=30	Pass
		8	0	22.23	2.80	25.03	<=30	Pass
			4	22.23	2.80	25.03	<=30	Pass
			7	22.22	2.80	25.02	<=30	Pass
		15	0	22.19	2.80	24.99	<=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	24.01	2.80	26.81	<=30	Pass
			13	23.91	2.80	26.71	<=30	Pass
			24	23.97	2.80	26.77	<=30	Pass
		12	0	23.25	2.80	26.05	<=30	Pass
			6	23.28	2.80	26.08	<=30	Pass
			13	23.27	2.80	26.07	<=30	Pass
		25	0	23.27	2.80	26.07	<=30	Pass

16QAM	1732.5	1	0	23.90	2.80	26.70	<=30	Pass
			13	23.82	2.80	26.62	<=30	Pass
			24	23.89	2.80	26.69	<=30	Pass
		12	0	23.30	2.80	26.10	<=30	Pass
			6	23.27	2.80	26.07	<=30	Pass
			13	23.26	2.80	26.06	<=30	Pass
		25	0	23.30	2.80	26.10	<=30	Pass
	1752.5	1	0	23.81	2.80	26.61	<=30	Pass
			13	23.77	2.80	26.57	<=30	Pass
			24	23.90	2.80	26.70	<=30	Pass
		12	0	23.29	2.80	26.09	<=30	Pass
			6	23.28	2.80	26.08	<=30	Pass
			13	23.24	2.80	26.04	<=30	Pass
		25	0	23.31	2.80	26.11	<=30	Pass
16QAM	1712.5	1	0	22.77	2.80	25.57	<=30	Pass
			13	22.66	2.80	25.46	<=30	Pass
			24	22.73	2.80	25.53	<=30	Pass
		12	0	22.25	2.80	25.05	<=30	Pass
			6	22.25	2.80	25.05	<=30	Pass
			13	22.26	2.80	25.06	<=30	Pass
		25	0	22.29	2.80	25.09	<=30	Pass
	1732.5	1	0	22.94	2.80	25.74	<=30	Pass
			13	22.85	2.80	25.65	<=30	Pass
			24	22.91	2.80	25.71	<=30	Pass
		12	0	22.27	2.80	25.07	<=30	Pass
			6	22.23	2.80	25.03	<=30	Pass
			13	22.24	2.80	25.04	<=30	Pass
		25	0	22.32	2.80	25.12	<=30	Pass
	1752.5	1	0	23.09	2.80	25.89	<=30	Pass
			13	23.04	2.80	25.84	<=30	Pass
			24	23.11	2.80	25.91	<=30	Pass
		12	0	22.32	2.80	25.12	<=30	Pass
			6	22.30	2.80	25.10	<=30	Pass
			13	22.25	2.80	25.05	<=30	Pass
		25	0	22.27	2.80	25.07	<=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	23.85	2.80	26.65	<=30	Pass
			25	23.87	2.80	26.67	<=30	Pass
			49	23.87	2.80	26.67	<=30	Pass
		25	0	23.23	2.80	26.03	<=30	Pass
			13	23.31	2.80	26.11	<=30	Pass
			25	23.30	2.80	26.10	<=30	Pass
		50	0	23.29	2.80	26.09	<=30	Pass
	1732.5	1	0	23.84	2.80	26.64	<=30	Pass
			25	23.82	2.80	26.62	<=30	Pass
			49	23.84	2.80	26.64	<=30	Pass
		25	0	23.28	2.80	26.08	<=30	Pass
			13	23.30	2.80	26.10	<=30	Pass
			25	23.31	2.80	26.11	<=30	Pass
		50	0	23.33	2.80	26.13	<=30	Pass
	1750	1	0	23.71	2.80	26.51	<=30	Pass
			25	23.69	2.80	26.49	<=30	Pass

16QAM	1715	25	49	23.77	2.80	26.57	<=30	Pass
			0	23.26	2.80	26.06	<=30	Pass
			13	23.21	2.80	26.01	<=30	Pass
			25	23.25	2.80	26.05	<=30	Pass
		50	0	23.25	2.80	26.05	<=30	Pass
	1732.5	1	0	23.44	2.80	26.24	<=30	Pass
			25	23.42	2.80	26.22	<=30	Pass
			49	23.44	2.80	26.24	<=30	Pass
		25	0	22.29	2.80	25.09	<=30	Pass
			13	22.36	2.80	25.16	<=30	Pass
			25	22.32	2.80	25.12	<=30	Pass
		50	0	22.28	2.80	25.08	<=30	Pass
	1750	1	0	22.87	2.80	25.67	<=30	Pass
			25	22.82	2.80	25.62	<=30	Pass
			49	22.88	2.80	25.68	<=30	Pass
		25	0	22.36	2.80	25.16	<=30	Pass
			13	22.36	2.80	25.16	<=30	Pass
			25	22.39	2.80	25.19	<=30	Pass
		50	0	22.31	2.80	25.11	<=30	Pass
		1	0	22.95	2.80	25.75	<=30	Pass
			25	22.88	2.80	25.68	<=30	Pass
			49	22.98	2.80	25.78	<=30	Pass
		25	0	22.26	2.80	25.06	<=30	Pass
			13	22.21	2.80	25.01	<=30	Pass
			25	22.24	2.80	25.04	<=30	Pass
		50	0	22.26	2.80	25.06	<=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	23.78	2.80	26.58	<=30	Pass
			38	23.75	2.80	26.55	<=30	Pass
			74	23.69	2.80	26.49	<=30	Pass
		36	0	23.26	2.80	26.06	<=30	Pass
			18	23.24	2.80	26.04	<=30	Pass
			39	23.27	2.80	26.07	<=30	Pass
		75	0	23.29	2.80	26.09	<=30	Pass
	1732.5	1	0	23.70	2.80	26.50	<=30	Pass
			38	23.71	2.80	26.51	<=30	Pass
			74	23.61	2.80	26.41	<=30	Pass
		36	0	23.21	2.80	26.01	<=30	Pass
			18	23.28	2.80	26.08	<=30	Pass
			39	23.30	2.80	26.10	<=30	Pass
		75	0	23.26	2.80	26.06	<=30	Pass
	1747.5	1	0	23.66	2.80	26.46	<=30	Pass
			38	23.66	2.80	26.46	<=30	Pass
			74	23.69	2.80	26.49	<=30	Pass
		36	0	23.21	2.80	26.01	<=30	Pass
			18	23.21	2.80	26.01	<=30	Pass
			39	23.18	2.80	25.98	<=30	Pass
		75	0	23.23	2.80	26.03	<=30	Pass
16QAM	1717.5	1	0	23.35	2.80	26.15	<=30	Pass
			38	23.34	2.80	26.14	<=30	Pass
			74	23.28	2.80	26.08	<=30	Pass
		36	0	22.25	2.80	25.05	<=30	Pass

		75	18	22.31	2.80	25.11	<=30	Pass
			39	22.33	2.80	25.13	<=30	Pass
			0	22.27	2.80	25.07	<=30	Pass
	1732.5	1	0	23.14	2.80	25.94	<=30	Pass
			38	23.16	2.80	25.96	<=30	Pass
			74	23.08	2.80	25.88	<=30	Pass
		36	0	22.21	2.80	25.01	<=30	Pass
			18	22.29	2.80	25.09	<=30	Pass
			39	22.30	2.80	25.10	<=30	Pass
		75	0	22.24	2.80	25.04	<=30	Pass
	1747.5	1	0	22.85	2.80	25.65	<=30	Pass
			38	22.87	2.80	25.67	<=30	Pass
			74	22.84	2.80	25.64	<=30	Pass
		36	0	22.25	2.80	25.05	<=30	Pass
			18	22.23	2.80	25.03	<=30	Pass
			39	22.21	2.80	25.01	<=30	Pass
		75	0	22.24	2.80	25.04	<=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	23.74	2.80	26.54	<=30	Pass
			50	23.83	2.80	26.63	<=30	Pass
			99	23.77	2.80	26.57	<=30	Pass
		50	0	23.26	2.80	26.06	<=30	Pass
			25	23.32	2.80	26.12	<=30	Pass
			50	23.34	2.80	26.14	<=30	Pass
		100	0	23.28	2.80	26.08	<=30	Pass
	1732.5	1	0	23.69	2.80	26.49	<=30	Pass
			50	23.79	2.80	26.59	<=30	Pass
			99	23.70	2.80	26.50	<=30	Pass
		50	0	23.20	2.80	26.00	<=30	Pass
			25	23.31	2.80	26.11	<=30	Pass
			50	23.36	2.80	26.16	<=30	Pass
		100	0	23.27	2.80	26.07	<=30	Pass
	1745	1	0	23.71	2.80	26.51	<=30	Pass
			50	23.76	2.80	26.56	<=30	Pass
			99	23.74	2.80	26.54	<=30	Pass
		50	0	23.22	2.80	26.02	<=30	Pass
			25	23.29	2.80	26.09	<=30	Pass
			50	23.15	2.80	25.95	<=30	Pass
		100	0	23.15	2.80	25.95	<=30	Pass
16QAM	1720	1	0	23.29	2.80	26.09	<=30	Pass
			50	23.38	2.80	26.18	<=30	Pass
			99	23.31	2.80	26.11	<=30	Pass
		50	0	22.23	2.80	25.03	<=30	Pass
			25	22.29	2.80	25.09	<=30	Pass
			50	22.31	2.80	25.11	<=30	Pass
		100	0	22.27	2.80	25.07	<=30	Pass
	1732.5	1	0	22.89	2.80	25.69	<=30	Pass
			50	23.01	2.80	25.81	<=30	Pass
			99	22.88	2.80	25.68	<=30	Pass
		50	0	22.20	2.80	25.00	<=30	Pass
			25	22.27	2.80	25.07	<=30	Pass
			50	22.31	2.80	25.11	<=30	Pass

		100	0	22.25	2.80	25.05	<=30	Pass
	1745	1	0	22.99	2.80	25.79	<=30	Pass
			50	23.05	2.80	25.85	<=30	Pass
			99	23.00	2.80	25.80	<=30	Pass
			50	0	22.21	2.80	25.01	<=30
		25		22.23	2.80	25.03	<=30	Pass
		50		22.09	2.80	24.89	<=30	Pass
		100	0	22.17	2.80	24.97	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	0.200	0.0001	-2.5 to 2.5	Pass
					3.85	9.141	0.0053	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	10.986	0.0064	-2.5 to 2.5	Pass
				-20	3.85	-16.050	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.802	0.0011	-2.5 to 2.5	Pass
				30	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				40	3.85	-14.162	-0.0083	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.131	-0.0012	-2.5 to 2.5	Pass
					3.85	0.958	0.0006	-2.5 to 2.5	Pass
					4.43	22.774	0.0131	-2.5 to 2.5	Pass
				-30	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	10.099	0.0058	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				10	3.85	18.368	0.0106	-2.5 to 2.5	Pass
				30	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				40	3.85	10.386	0.0060	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-20.571	-0.0117	-2.5 to 2.5	Pass
					3.85	-12.503	-0.0071	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	3.548	0.0020	-2.5 to 2.5	Pass
				-20	3.85	11.072	0.0063	-2.5 to 2.5	Pass
				-10	3.85	9.871	0.0056	-2.5 to 2.5	Pass
				0	3.85	8.941	0.0051	-2.5 to 2.5	Pass
				10	3.85	10.357	0.0059	-2.5 to 2.5	Pass
				30	3.85	11.001	0.0063	-2.5 to 2.5	Pass
				40	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-5.636	-0.0033	-2.5 to 2.5	Pass
					3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
					4.43	12.903	0.0075	-2.5 to 2.5	Pass
				-30	3.85	2.918	0.0017	-2.5 to 2.5	Pass

				-20	3.85	-12.503	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-13.433	-0.0079	-2.5 to 2.5	Pass
				30	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				50	3.85	7.739	0.0045	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	12.574	0.0073	-2.5 to 2.5	Pass
					3.85	4.621	0.0027	-2.5 to 2.5	Pass
					4.43	2.489	0.0014	-2.5 to 2.5	Pass
				-30	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				-20	3.85	10.672	0.0062	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				0	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				10	3.85	-12.488	-0.0072	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	7.267	0.0042	-2.5 to 2.5	Pass
				50	3.85	-9.985	-0.0058	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	10.743	0.0061	-2.5 to 2.5	Pass
					3.85	2.103	0.0012	-2.5 to 2.5	Pass
					4.43	0.758	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				0	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				10	3.85	6.180	0.0035	-2.5 to 2.5	Pass
				30	3.85	17.352	0.0099	-2.5 to 2.5	Pass
				40	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				50	3.85	17.037	0.0097	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-11.787	-0.0069	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.633	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	6.466	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	16.165	0.0094	-2.5 to 2.5	Pass
				0	3.85	9.727	0.0057	-2.5 to 2.5	Pass
				10	3.85	6.981	0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				40	3.85	9.441	0.0055	-2.5 to 2.5	Pass
				50	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.415	0.0002	-2.5 to 2.5	Pass
					3.85	18.168	0.0105	-2.5 to 2.5	Pass
					4.43	8.168	0.0047	-2.5 to 2.5	Pass
				-30	3.85	15.121	0.0087	-2.5 to 2.5	Pass
				-20	3.85	17.066	0.0099	-2.5 to 2.5	Pass
				-10	3.85	15.993	0.0092	-2.5 to 2.5	Pass
				0	3.85	10.800	0.0062	-2.5 to 2.5	Pass
				10	3.85	9.241	0.0053	-2.5 to 2.5	Pass
				30	3.85	14.348	0.0083	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				50	3.85	4.091	0.0024	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-2.904	-0.0017	-2.5 to 2.5	Pass

					3.85	4.807	0.0027	-2.5 to 2.5	Pass
					4.43	3.190	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-11.058	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				0	3.85	13.189	0.0075	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0036	-2.5 to 2.5	Pass
				50	3.85	11.673	0.0067	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.562	-0.0021	-2.5 to 2.5	Pass
					3.85	7.854	0.0046	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	8.082	0.0047	-2.5 to 2.5	Pass
				-20	3.85	7.410	0.0043	-2.5 to 2.5	Pass
				-10	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				0	3.85	7.081	0.0041	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0051	-2.5 to 2.5	Pass
				30	3.85	14.491	0.0085	-2.5 to 2.5	Pass
				40	3.85	-12.546	-0.0073	-2.5 to 2.5	Pass
				50	3.85	10.343	0.0060	-2.5 to 2.5	Pass
				1732.5	15	0	20	3.27	-1.130
	3.85	9.685	0.0056					-2.5 to 2.5	Pass
	4.43	3.948	0.0023					-2.5 to 2.5	Pass
	-30	3.85	4.292				0.0025	-2.5 to 2.5	Pass
	-20	3.85	1.645				0.0009	-2.5 to 2.5	Pass
	-10	3.85	2.246				0.0013	-2.5 to 2.5	Pass
	0	3.85	1.845				0.0011	-2.5 to 2.5	Pass
	10	3.85	4.034				0.0023	-2.5 to 2.5	Pass
	30	3.85	1.130				0.0007	-2.5 to 2.5	Pass
	40	3.85	-5.050				-0.0029	-2.5 to 2.5	Pass
	50	3.85	3.505				0.0020	-2.5 to 2.5	Pass
	1753.5	15	0				20	3.27	-7.610
				3.85	2.246	0.0013		-2.5 to 2.5	Pass
				4.43	14.749	0.0084		-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				0	3.85	7.739	0.0044	-2.5 to 2.5	Pass
				10	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				30	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	1.774	0.0010	-2.5 to 2.5	Pass
					3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
					4.43	9.098	0.0053	-2.5 to 2.5	Pass
				-30	3.85	4.106	0.0024	-2.5 to 2.5	Pass
					3.85	4.735	0.0028	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0018	-2.5 to 2.5	Pass
				0	3.85	9.155	0.0053	-2.5 to 2.5	Pass
					3.85	8.769	0.0051	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0033	-2.5 to 2.5	Pass

	1732.5	25	0	40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	6.723	0.0039	-2.5 to 2.5	Pass
				20	3.27	-1.945	-0.0011	-2.5 to 2.5	Pass
					3.85	2.217	0.0013	-2.5 to 2.5	Pass
				-30	4.43	1.602	0.0009	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				40	3.85	5.651	0.0033	-2.5 to 2.5	Pass
				50	3.85	-11.530	-0.0067	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	6.938	0.0040	-2.5 to 2.5	Pass
					3.85	2.947	0.0017	-2.5 to 2.5	Pass
				-30	4.43	5.522	0.0032	-2.5 to 2.5	Pass
					3.85	3.948	0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.689	0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.576	0.0020	-2.5 to 2.5	Pass
				0	3.85	8.168	0.0047	-2.5 to 2.5	Pass
				10	3.85	9.227	0.0053	-2.5 to 2.5	Pass
				30	3.85	10.400	0.0059	-2.5 to 2.5	Pass
				40	3.85	6.623	0.0038	-2.5 to 2.5	Pass
				50	3.85	2.460	0.0014	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-2.775	-0.0016	-2.5 to 2.5	Pass
					3.85	3.934	0.0023	-2.5 to 2.5	Pass
				-30	4.43	4.692	0.0027	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				0	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				30	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				50	3.85	4.134	0.0024	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.044	0.0006	-2.5 to 2.5	Pass
					3.85	2.918	0.0017	-2.5 to 2.5	Pass
				-30	4.43	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	8.168	0.0047	-2.5 to 2.5	Pass
					3.85	7.682	0.0044	-2.5 to 2.5	Pass
				-30	4.43	3.147	0.0018	-2.5 to 2.5	Pass
					3.85	3.662	0.0021	-2.5 to 2.5	Pass
				-20	3.85	3.061	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				0	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				10	3.85	11.945	0.0068	-2.5 to 2.5	Pass
				30	3.85	5.550	0.0032	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				50	3.85	4.592	0.0026	-2.5 to 2.5	Pass

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2.1.4 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	1715	50	0	20	3.27	4.148	0.0024	-2.5 to 2.5	Pass
					3.85	8.268	0.0048	-2.5 to 2.5	Pass
					4.43	4.492	0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				-20	3.85	6.609	0.0039	-2.5 to 2.5	Pass
				-10	3.85	5.479	0.0032	-2.5 to 2.5	Pass
				0	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				10	3.85	9.170	0.0053	-2.5 to 2.5	Pass
				30	3.85	5.364	0.0031	-2.5 to 2.5	Pass
				40	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0004	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	2.317	0.0013	-2.5 to 2.5	Pass
					3.85	3.033	0.0018	-2.5 to 2.5	Pass
					4.43	3.734	0.0022	-2.5 to 2.5	Pass
				-30	3.85	5.579	0.0032	-2.5 to 2.5	Pass
				-20	3.85	10.343	0.0060	-2.5 to 2.5	Pass
				-10	3.85	6.194	0.0036	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.85	7.324	0.0042	-2.5 to 2.5	Pass
				30	3.85	11.988	0.0069	-2.5 to 2.5	Pass
				40	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				50	3.85	4.120	0.0024	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.033	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				-10	3.85	5.479	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				30	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				40	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	7.482	0.0044	-2.5 to 2.5	Pass
					3.85	3.991	0.0023	-2.5 to 2.5	Pass
					4.43	3.176	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.85	7.138	0.0042	-2.5 to 2.5	Pass
				-10	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				0	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				10	3.85	8.283	0.0048	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				50	3.85	5.836	0.0034	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	4.778	0.0028	-2.5 to 2.5	Pass
					3.85	4.163	0.0024	-2.5 to 2.5	Pass
					4.43	3.948	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				-20	3.85	9.570	0.0055	-2.5 to 2.5	Pass
				-10	3.85	4.950	0.0029	-2.5 to 2.5	Pass
				0	3.85	8.411	0.0049	-2.5 to 2.5	Pass
				10	3.85	10.943	0.0063	-2.5 to 2.5	Pass
				30	3.85	8.526	0.0049	-2.5 to 2.5	Pass
				40	3.85	6.709	0.0039	-2.5 to 2.5	Pass
				50	3.85	4.849	0.0028	-2.5 to 2.5	Pass

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	1750	50	0	20	3.27	4.263	0.0024	-2.5 to 2.5	Pass
					3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.43	2.847	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				-20	3.85	5.093	0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				30	3.85	4.106	0.0023	-2.5 to 2.5	Pass
				40	3.85	4.563	0.0026	-2.5 to 2.5	Pass
				50	3.85	6.995	0.0040	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	2.503	0.0015	-2.5 to 2.5	Pass
					3.85	1.359	0.0008	-2.5 to 2.5	Pass
					4.43	2.675	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	3.85	3.190	0.0019	-2.5 to 2.5	Pass
				40	3.85	4.792	0.0028	-2.5 to 2.5	Pass
				50	3.85	9.341	0.0054	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	2.403	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				0	3.85	8.311	0.0048	-2.5 to 2.5	Pass
				10	3.85	4.635	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				50	3.85	3.104	0.0018	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.688	0.0010	-2.5 to 2.5	Pass
					3.85	0.587	0.0003	-2.5 to 2.5	Pass
					4.43	5.178	0.0030	-2.5 to 2.5	Pass
				-30	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				0	3.85	7.753	0.0044	-2.5 to 2.5	Pass
				10	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				50	3.85	4.721	0.0027	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	4.492	0.0026	-2.5 to 2.5	Pass
					3.85	5.465	0.0032	-2.5 to 2.5	Pass
					4.43	4.749	0.0028	-2.5 to 2.5	Pass
				-30	3.85	5.965	0.0035	-2.5 to 2.5	Pass
				-20	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				-10	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				0	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				10	3.85	6.623	0.0039	-2.5 to 2.5	Pass

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	1732.5	75	0	30	3.85	7.195	0.0042	-2.5 to 2.5	Pass
				40	3.85	7.167	0.0042	-2.5 to 2.5	Pass
				50	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	3.777	0.0022	-2.5 to 2.5	Pass
					4.43	0.887	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				-20	3.85	7.181	0.0041	-2.5 to 2.5	Pass
				-10	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				10	3.85	6.895	0.0040	-2.5 to 2.5	Pass
				30	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				40	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				50	3.85	2.761	0.0016	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.402	0.0008	-2.5 to 2.5	Pass
					3.85	4.349	0.0025	-2.5 to 2.5	Pass
					4.43	2.804	0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.493	0.0031	-2.5 to 2.5	Pass
				-20	3.85	6.280	0.0036	-2.5 to 2.5	Pass
				-10	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				40	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				50	3.85	0.815	0.0005	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	3.819	0.0022	-2.5 to 2.5	Pass
					3.85	0.315	0.0002	-2.5 to 2.5	Pass
					4.43	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				50	3.85	4.377	0.0025	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	2.003	0.0012	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				-20	3.85	6.580	0.0038	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-4.835	-0.0028	-2.5 to 2.5	Pass
					3.85	3.090	0.0018	-2.5 to 2.5	Pass
					4.43	2.675	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.888	0.0011	-2.5 to 2.5	Pass

				-10	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				30	3.85	3.734	0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.877	0.0022	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	3.490	0.0020	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	5.121	0.0030	-2.5 to 2.5	Pass
				-30	3.85	5.178	0.0030	-2.5 to 2.5	Pass
				-20	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				-10	3.85	7.668	0.0045	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				30	3.85	5.736	0.0033	-2.5 to 2.5	Pass
				40	3.85	4.563	0.0027	-2.5 to 2.5	Pass
				50	3.85	7.052	0.0041	-2.5 to 2.5	Pass
				1732.5	100	0	20	3.27	0.129
	3.85	-1.073	-0.0006					-2.5 to 2.5	Pass
	4.43	-1.860	-0.0011					-2.5 to 2.5	Pass
	-30	3.85	-0.973				-0.0006	-2.5 to 2.5	Pass
	-20	3.85	-2.732				-0.0016	-2.5 to 2.5	Pass
	-10	3.85	-2.360				-0.0014	-2.5 to 2.5	Pass
	0	3.85	4.864				0.0028	-2.5 to 2.5	Pass
	10	3.85	0.658				0.0004	-2.5 to 2.5	Pass
	30	3.85	-0.215				-0.0001	-2.5 to 2.5	Pass
	40	3.85	-1.616				-0.0009	-2.5 to 2.5	Pass
	50	3.85	-5.379				-0.0031	-2.5 to 2.5	Pass
	1745	100	0				20	3.27	3.748
				3.85	-0.615	-0.0004		-2.5 to 2.5	Pass
				4.43	0.057	0.0000		-2.5 to 2.5	Pass
				-30	3.85	5.407	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				-10	3.85	4.821	0.0028	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				10	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				30	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				40	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0004	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV

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Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

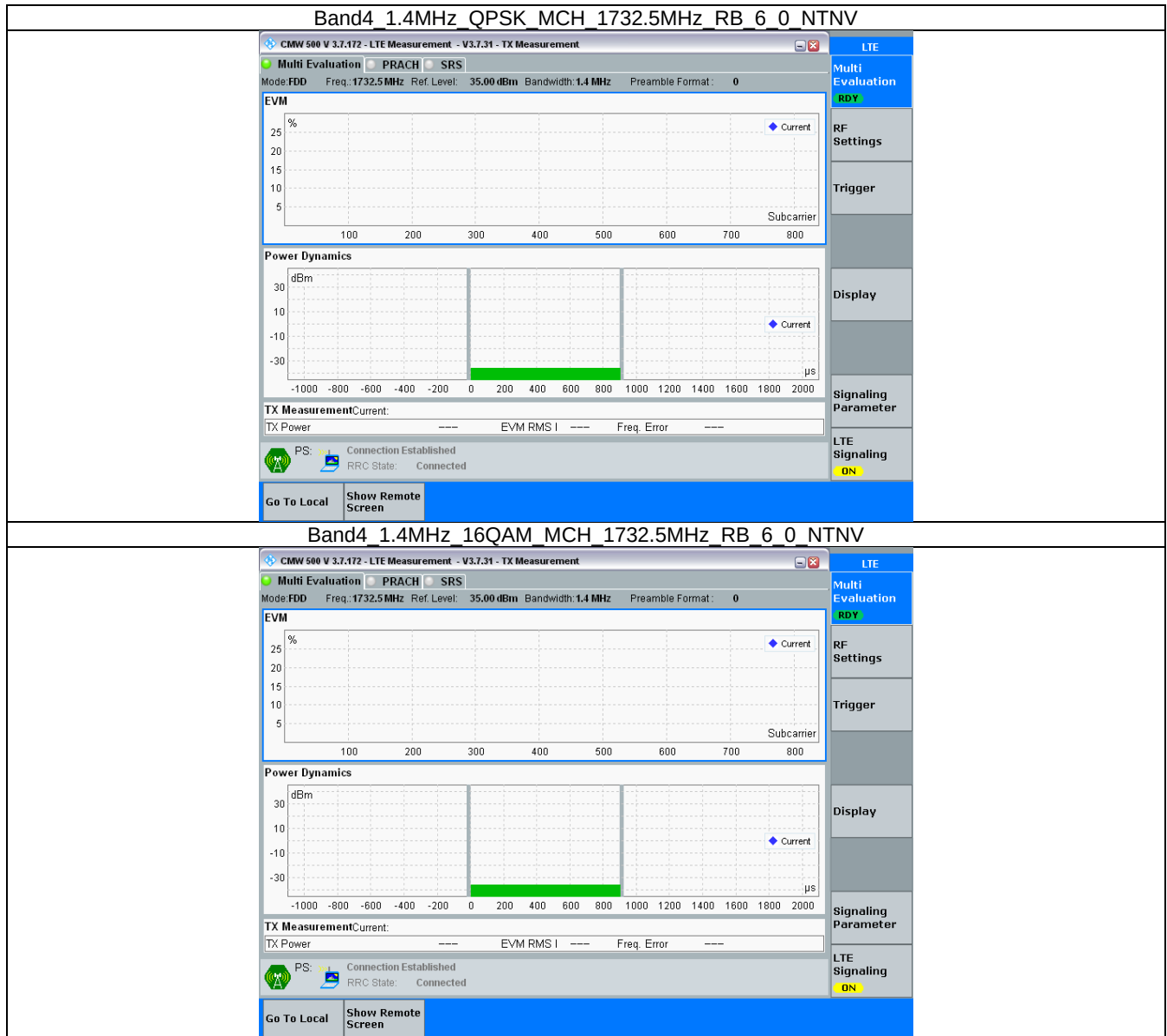
3.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

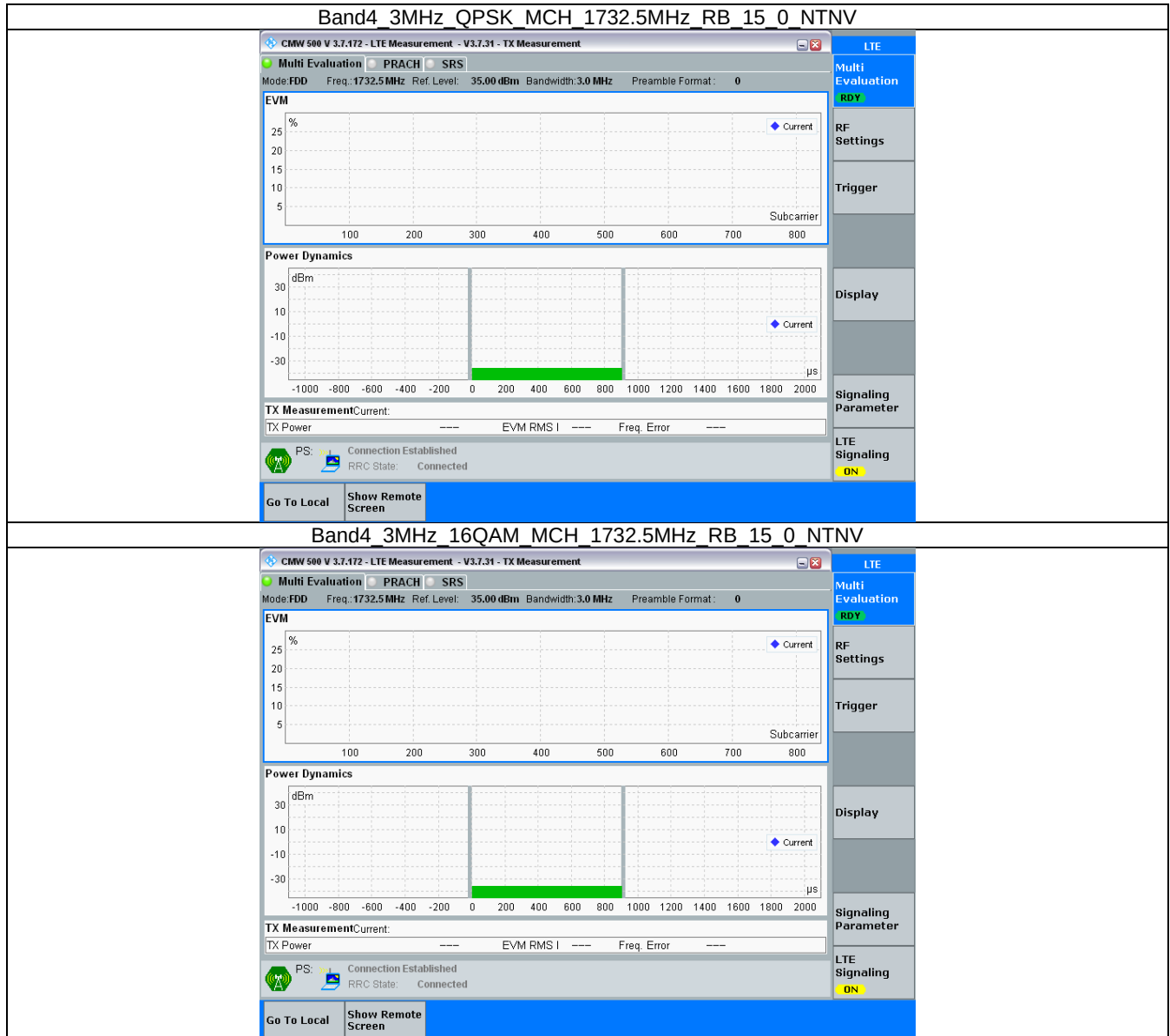
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3.2 Test Graph

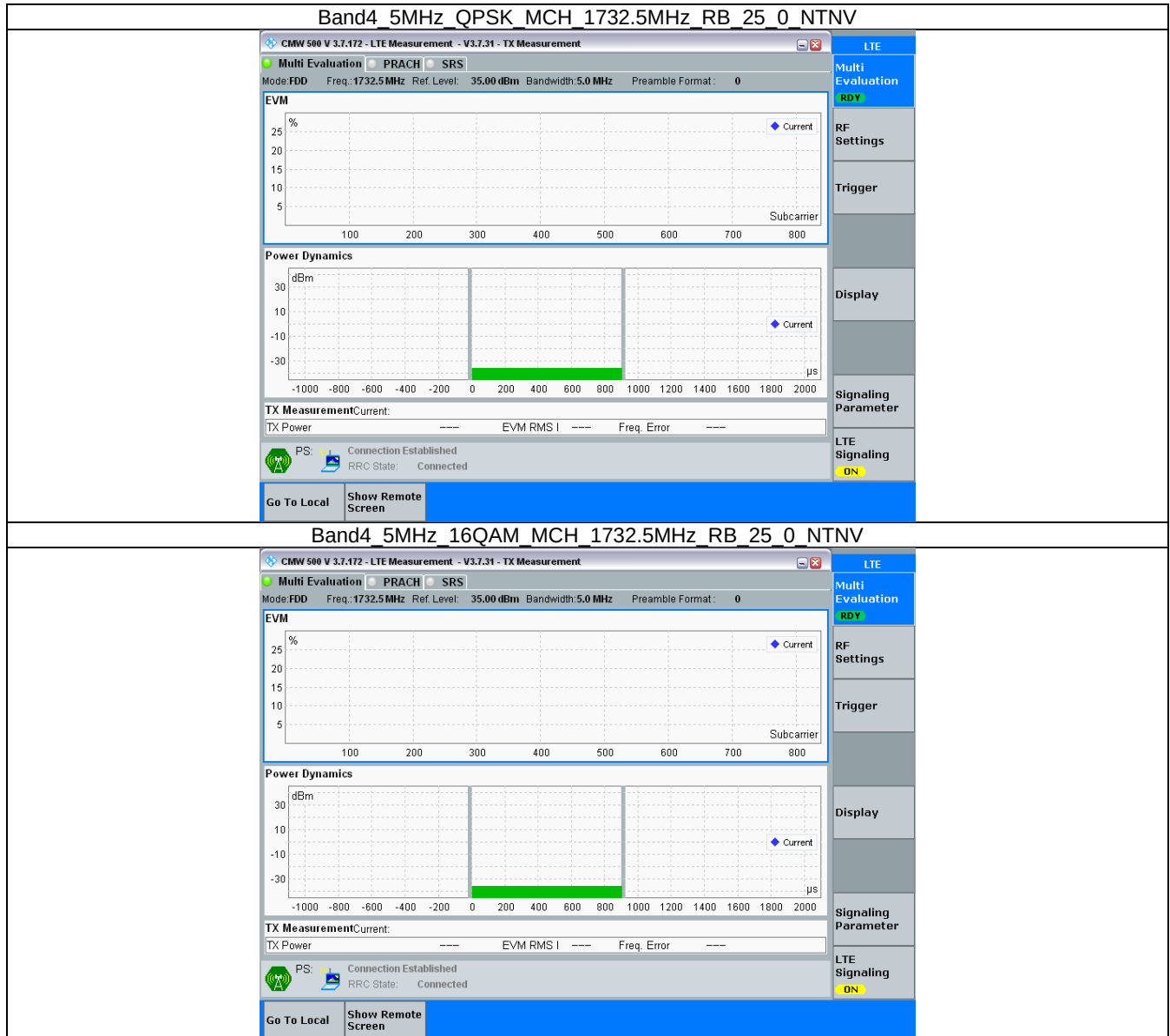
3.2.1 B4_1.4MHz



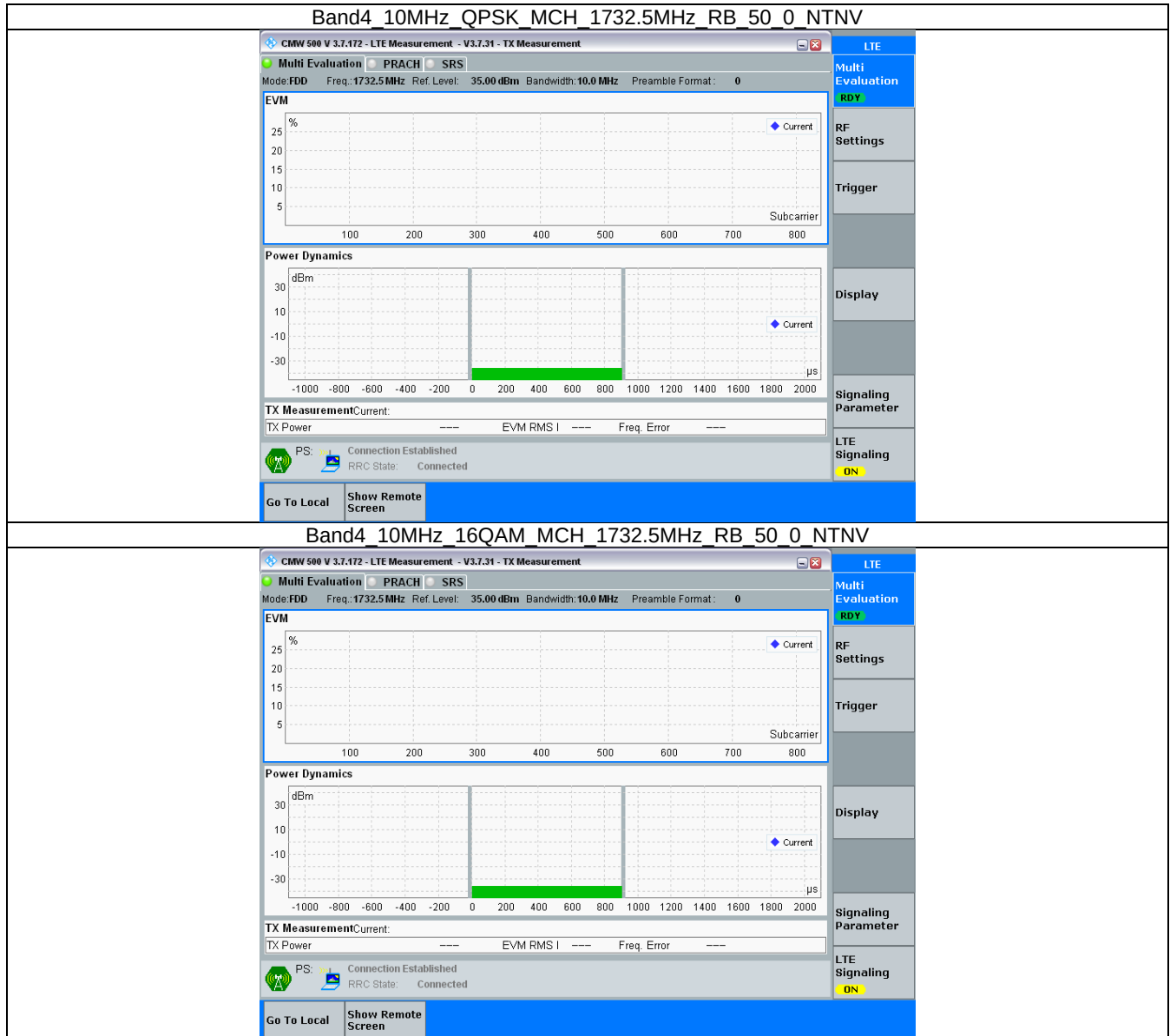
3.2.2 B4_3MHz



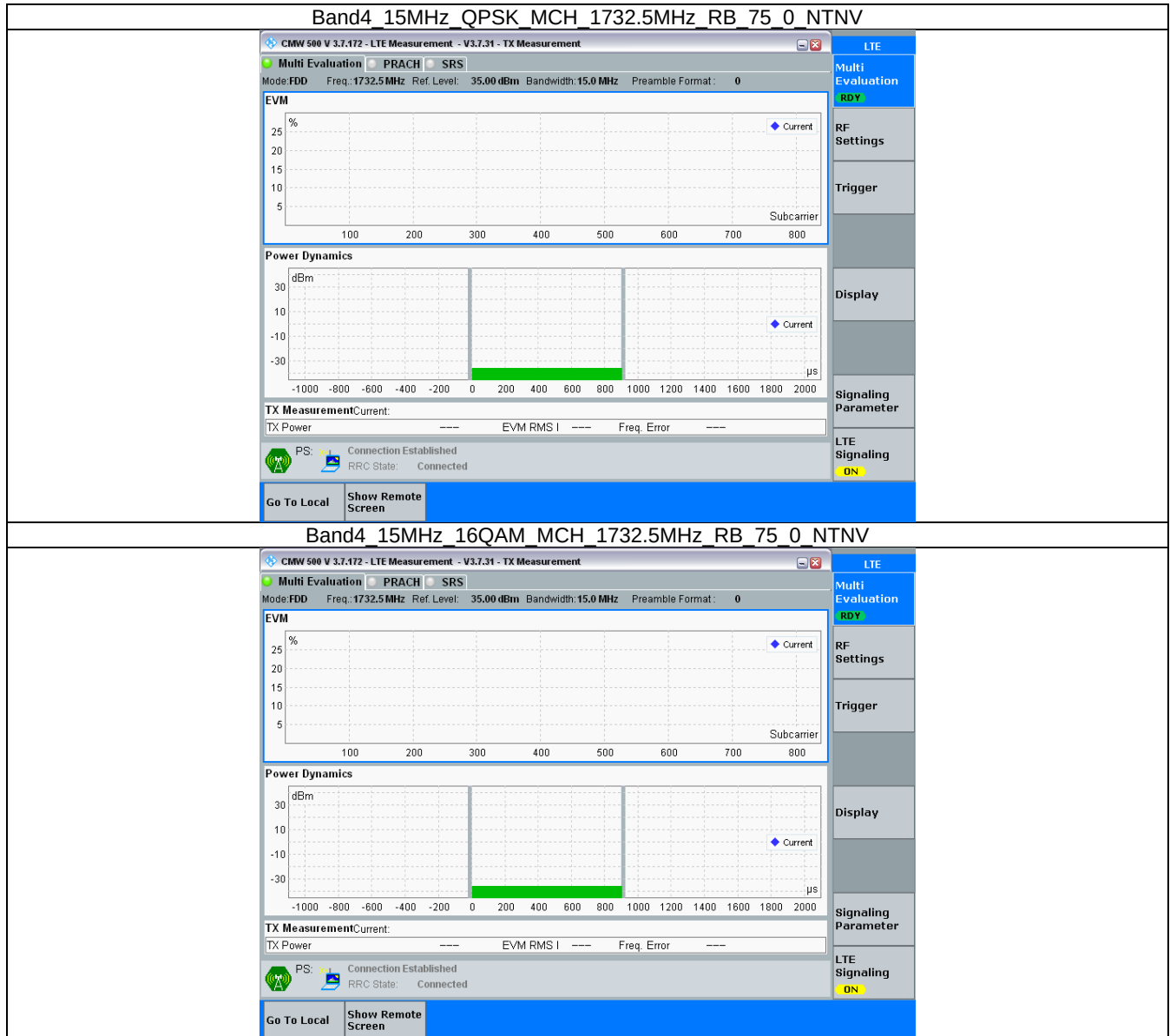
3.2.3 B4_5MHz



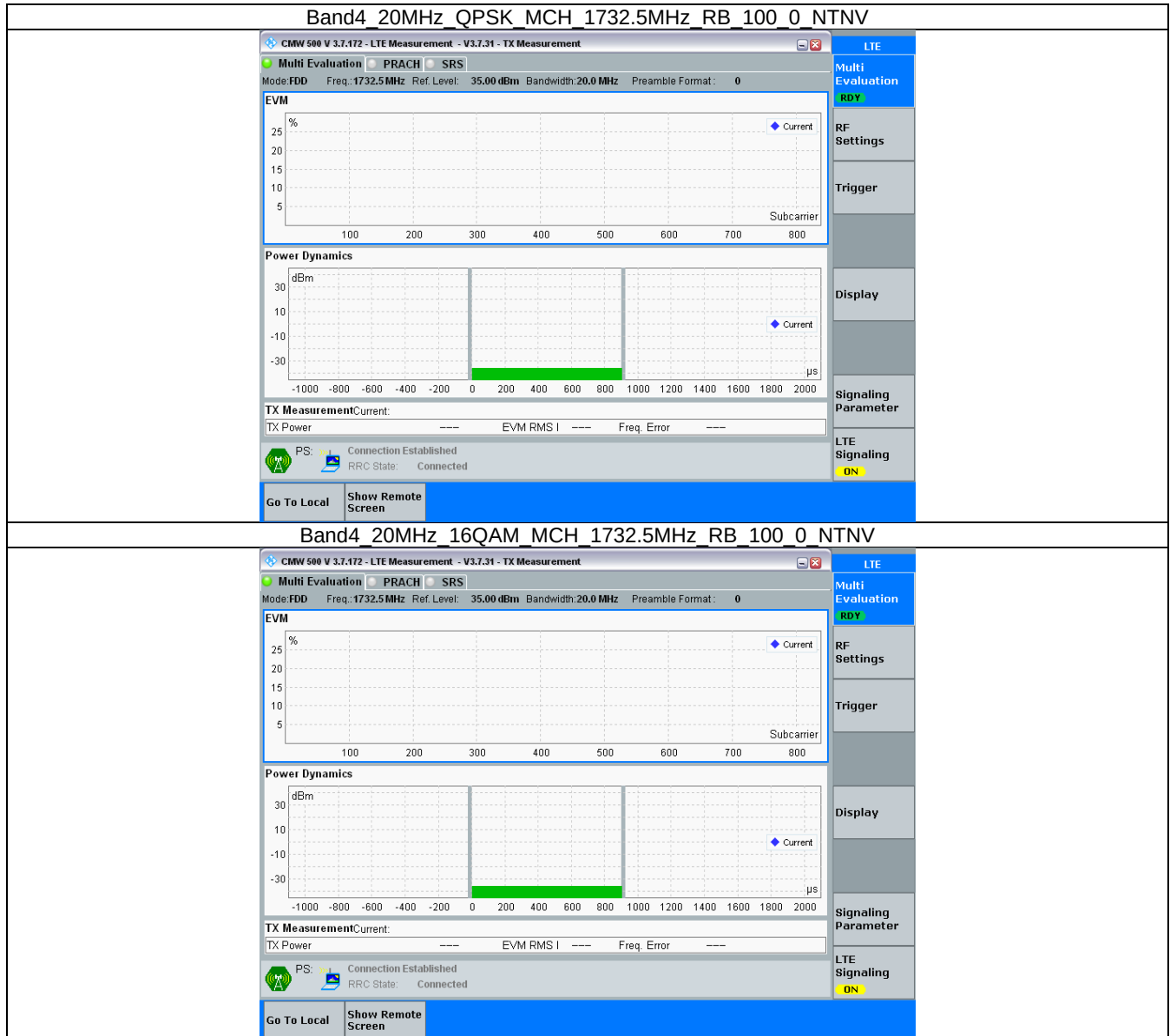
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.723	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.739	/	Pass
	16QAM	1711.5	15	0	2.727	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.732	/	Pass
5	QPSK	1712.5	25	0	4.544	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.543	/	Pass
	16QAM	1712.5	25	0	4.546	/	Pass
		1732.5	25	0	4.548	/	Pass
		1752.5	25	0	4.534	/	Pass
10	QPSK	1715	50	0	9.040	/	Pass
		1732.5	50	0	9.040	/	Pass
		1750	50	0	9.052	/	Pass
	16QAM	1715	50	0	9.066	/	Pass
		1732.5	50	0	9.074	/	Pass
		1750	50	0	9.052	/	Pass
15	QPSK	1717.5	75	0	13.590	/	Pass
		1732.5	75	0	13.577	/	Pass
		1747.5	75	0	13.558	/	Pass
	16QAM	1717.5	75	0	13.563	/	Pass
		1732.5	75	0	13.600	/	Pass
		1747.5	75	0	13.597	/	Pass
20	QPSK	1720	100	0	18.098	/	Pass
		1732.5	100	0	18.141	/	Pass
		1745	100	0	18.090	/	Pass
	16QAM	1720	100	0	18.091	/	Pass
		1732.5	100	0	18.093	/	Pass
		1745	100	0	18.176	/	Pass

4.1.2 Band4_XDB

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.335	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.314	/	Pass

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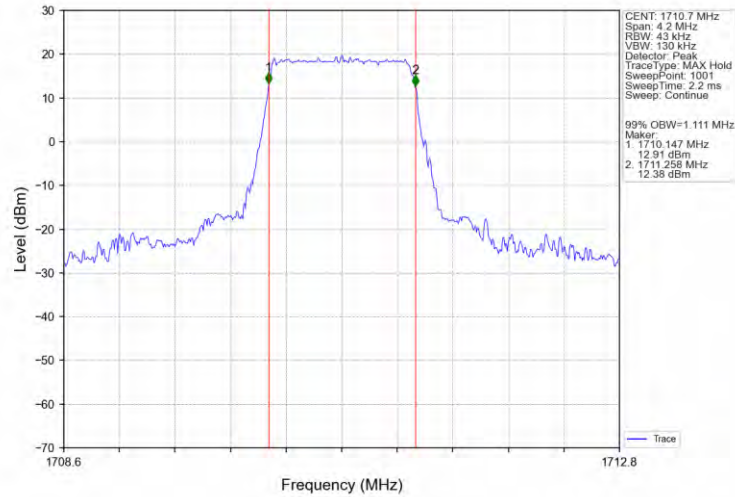
	16QAM	1710.7	6	0	1.318	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.338	/	Pass
3	QPSK	1711.5	15	0	3.018	/	Pass
		1732.5	15	0	3.013	/	Pass
		1753.5	15	0	3.016	/	Pass
	16QAM	1711.5	15	0	2.996	/	Pass
		1732.5	15	0	3.009	/	Pass
		1753.5	15	0	3.015	/	Pass
5	QPSK	1712.5	25	0	5.061	/	Pass
		1732.5	25	0	5.055	/	Pass
		1752.5	25	0	5.028	/	Pass
	16QAM	1712.5	25	0	5.093	/	Pass
		1732.5	25	0	5.022	/	Pass
		1752.5	25	0	5.011	/	Pass
10	QPSK	1715	50	0	10.067	/	Pass
		1732.5	50	0	9.960	/	Pass
		1750	50	0	10.009	/	Pass
	16QAM	1715	50	0	9.911	/	Pass
		1732.5	50	0	10.027	/	Pass
		1750	50	0	9.930	/	Pass
15	QPSK	1717.5	75	0	14.900	/	Pass
		1732.5	75	0	14.968	/	Pass
		1747.5	75	0	14.862	/	Pass
	16QAM	1717.5	75	0	14.972	/	Pass
		1732.5	75	0	14.935	/	Pass
		1747.5	75	0	14.892	/	Pass
20	QPSK	1720	100	0	19.898	/	Pass
		1732.5	100	0	19.770	/	Pass
		1745	100	0	19.679	/	Pass
	16QAM	1720	100	0	19.795	/	Pass
		1732.5	100	0	19.667	/	Pass
		1745	100	0	19.610	/	Pass

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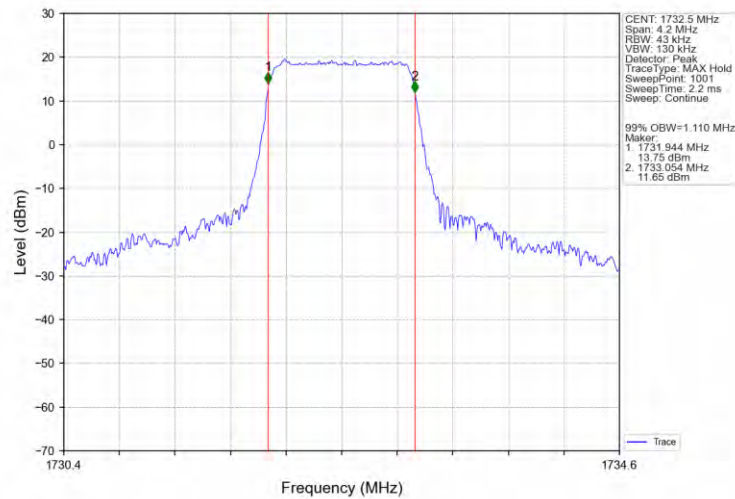
4.2 Test Graph

4.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

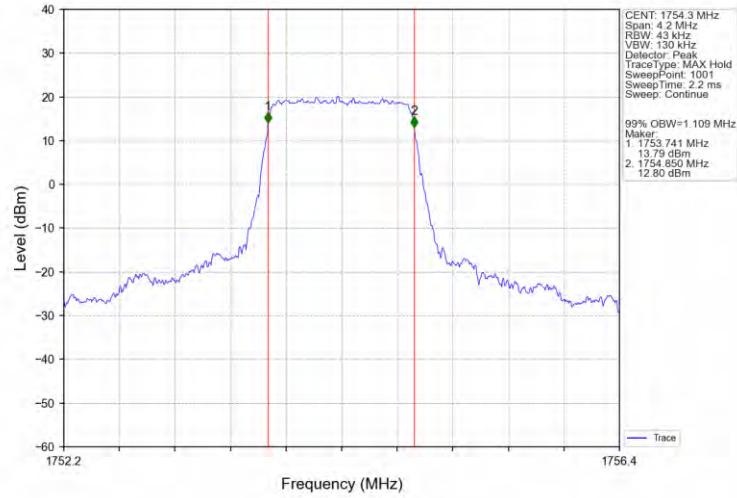


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

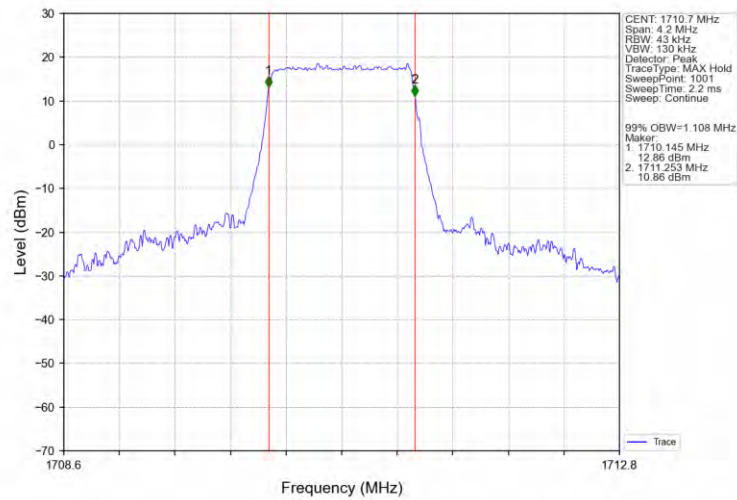


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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

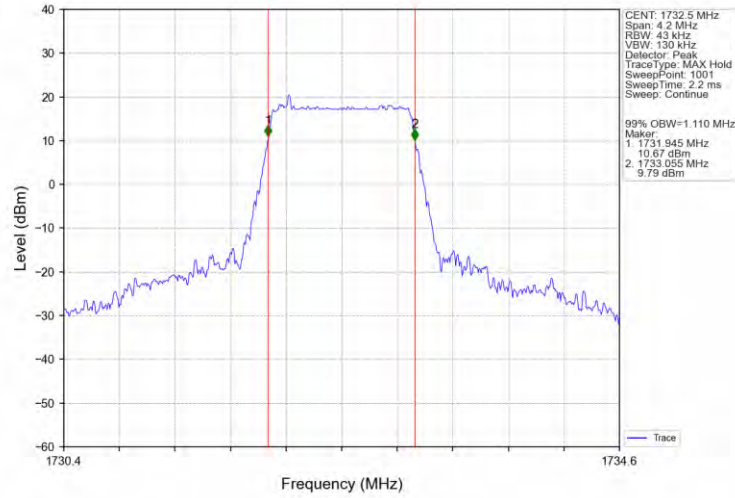


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

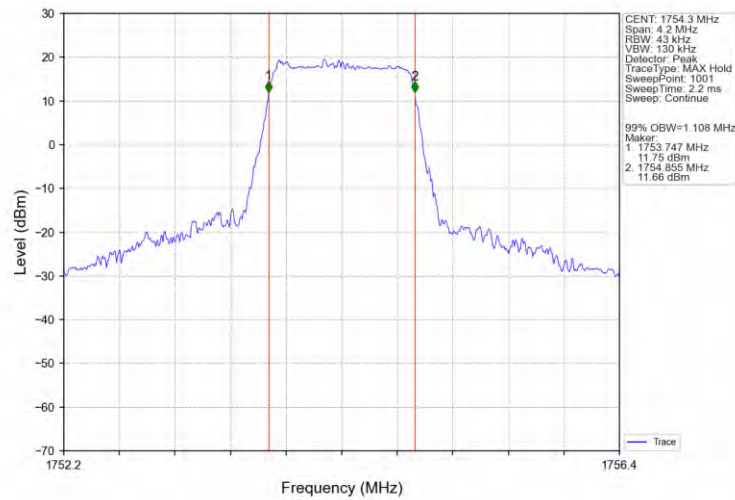


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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

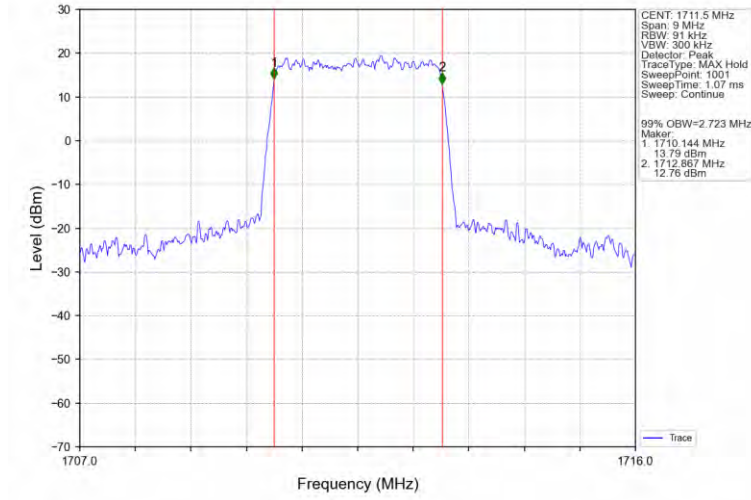


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

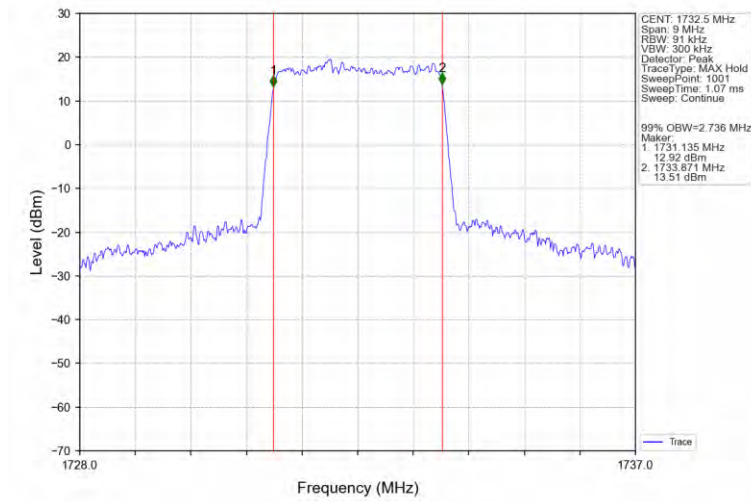


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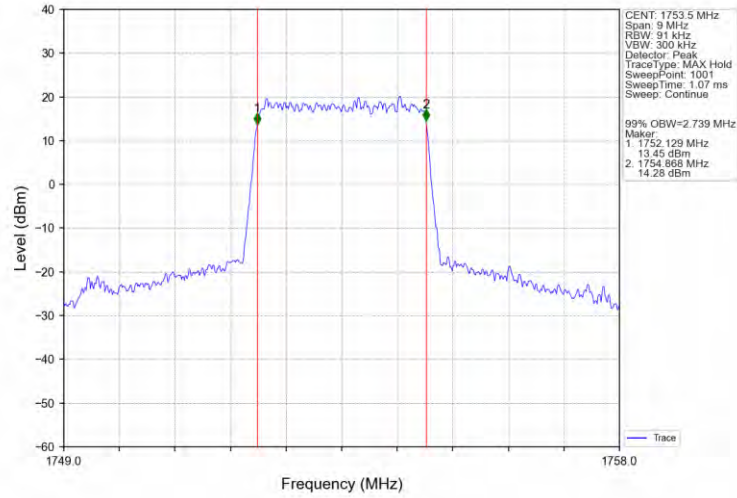
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



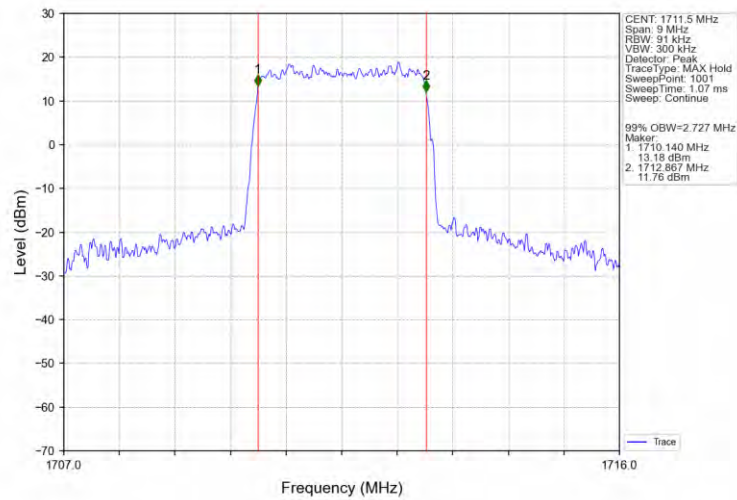
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

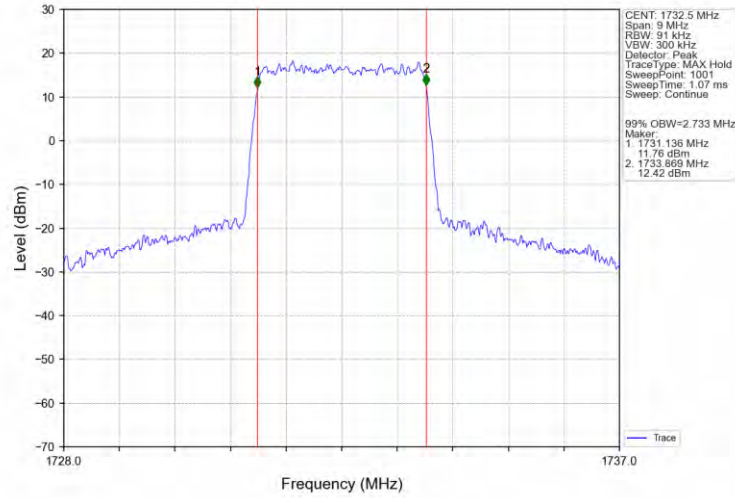


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

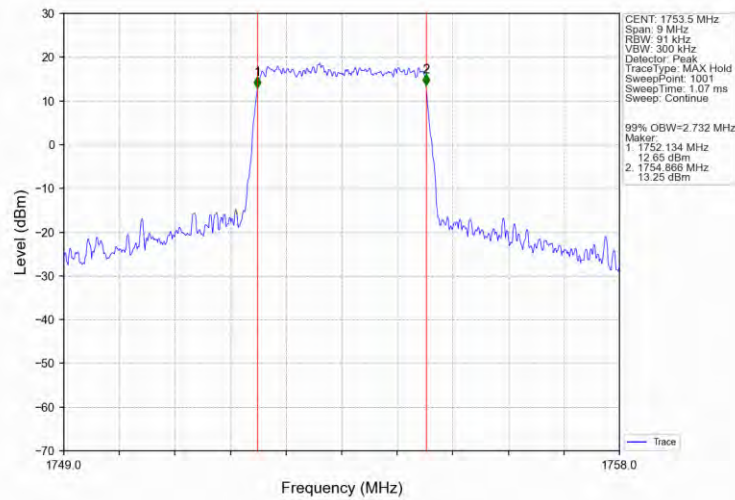


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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

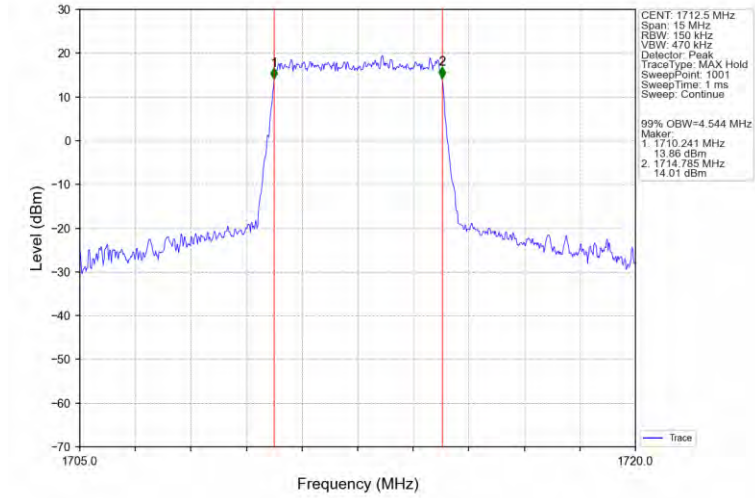


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

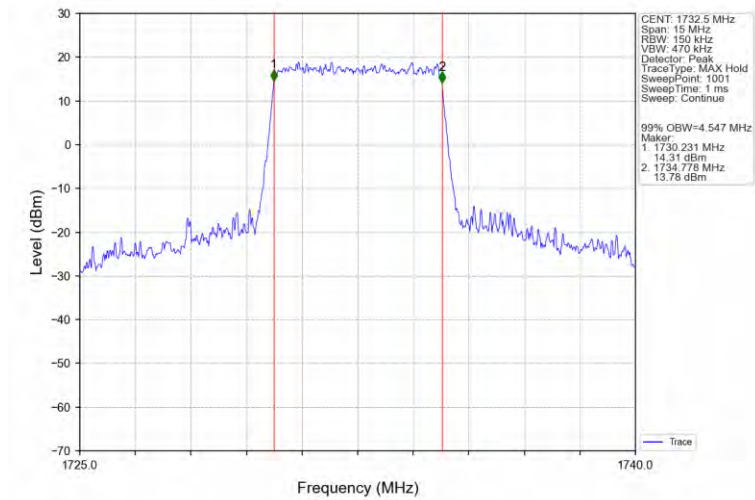


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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

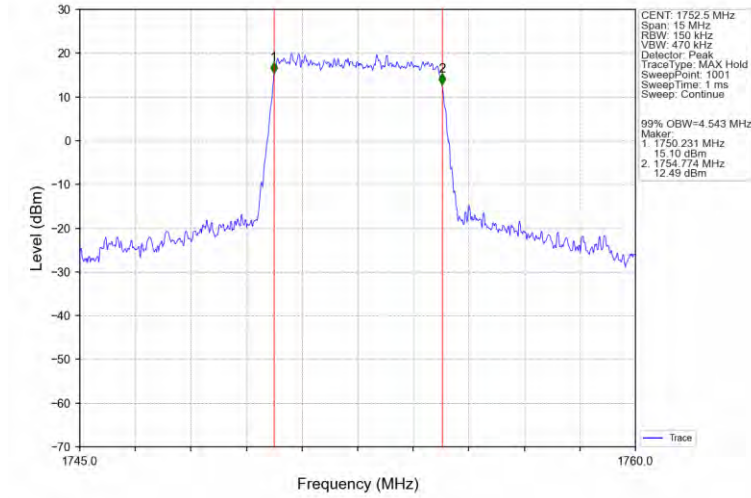


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

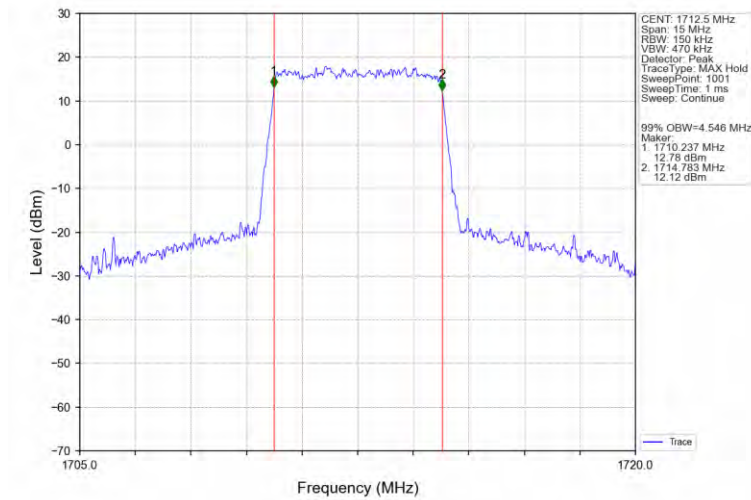


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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

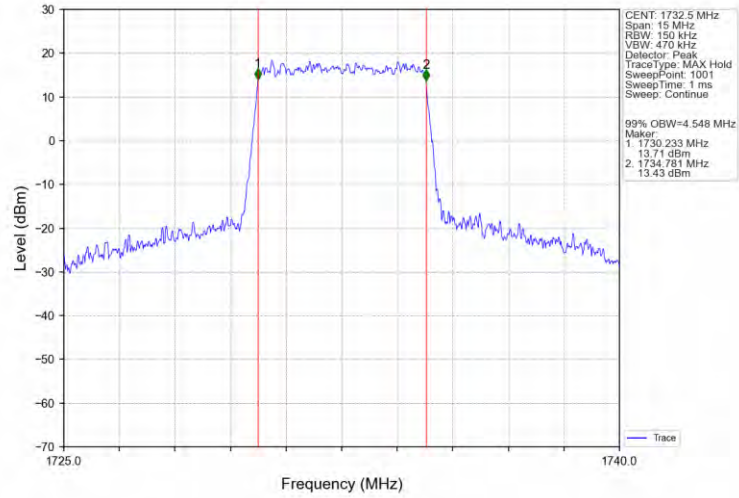


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

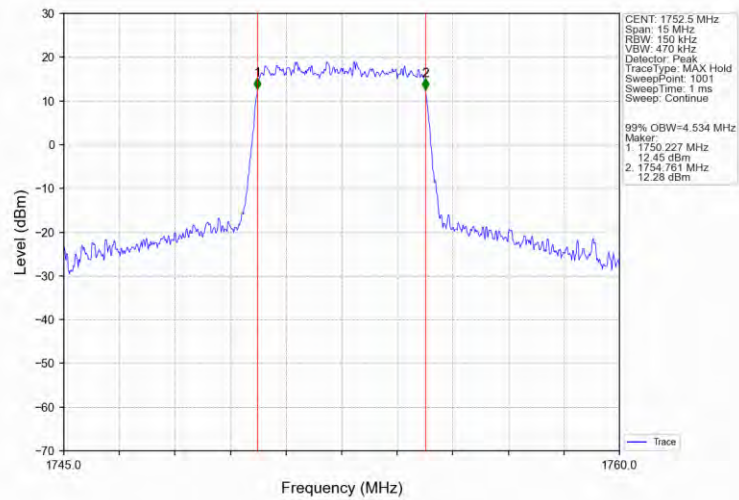


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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

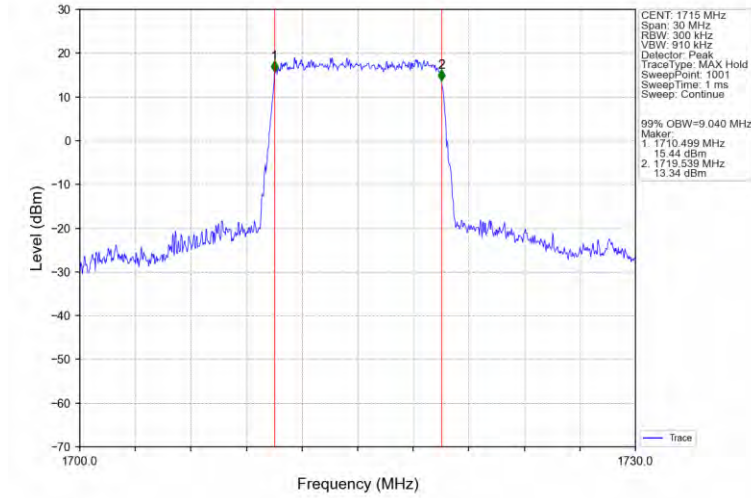


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

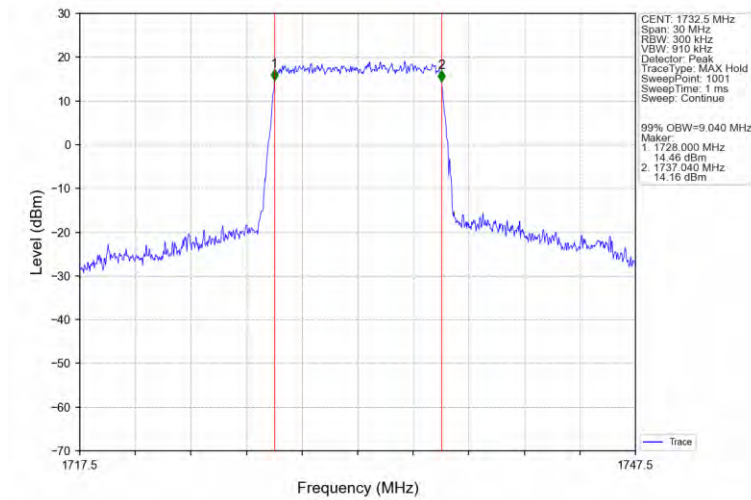


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Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

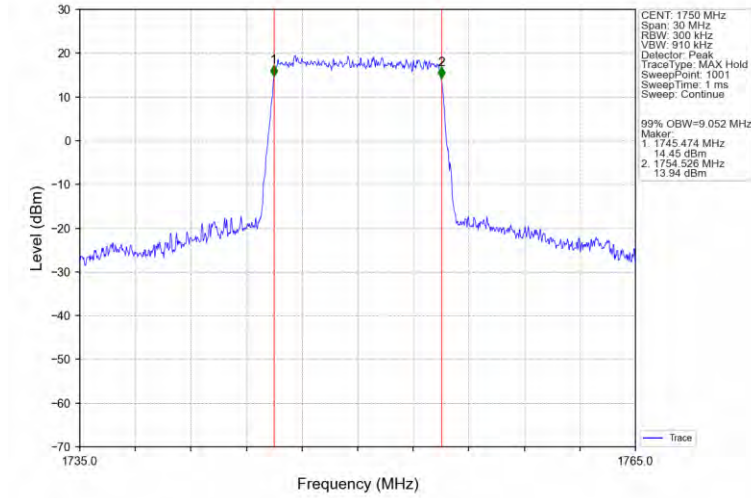


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

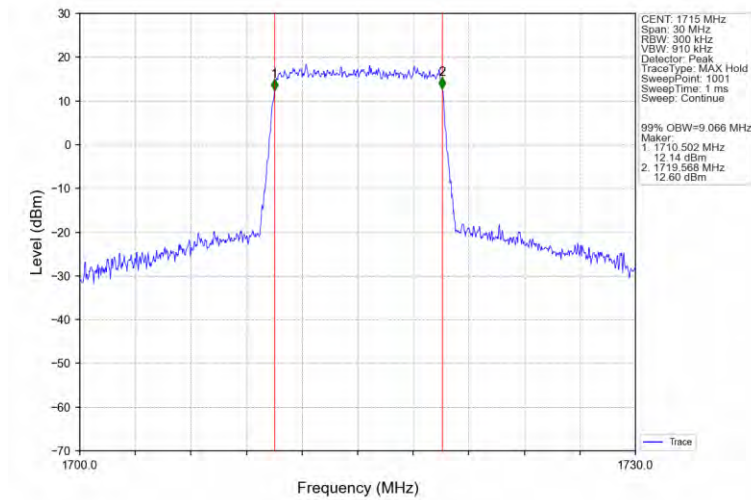


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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

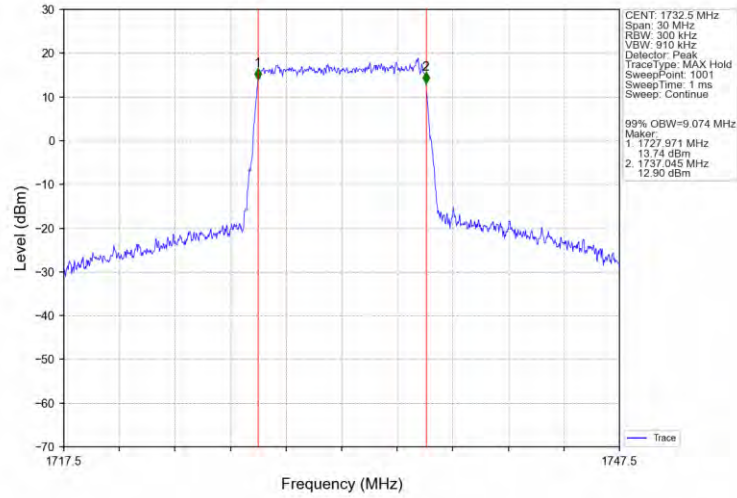


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

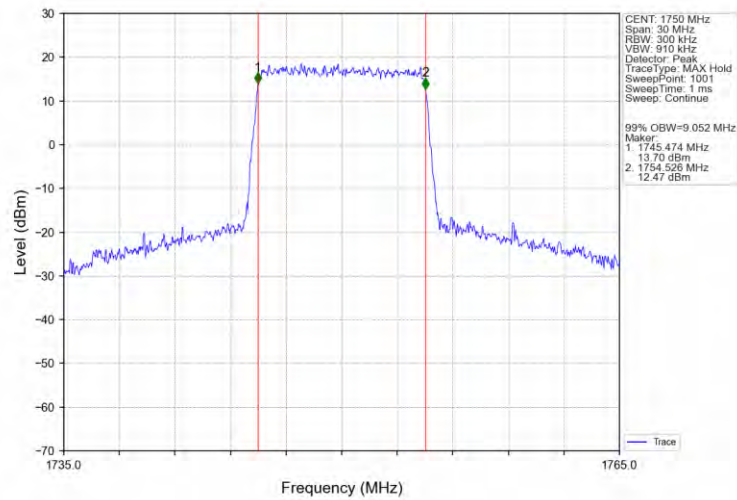


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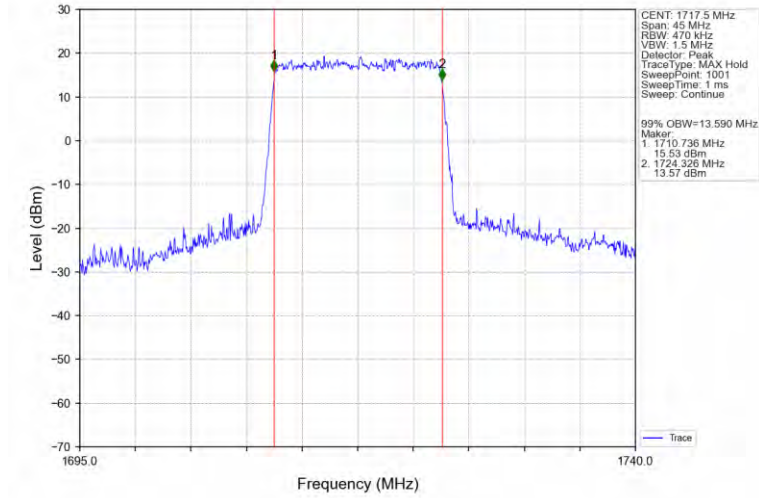
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



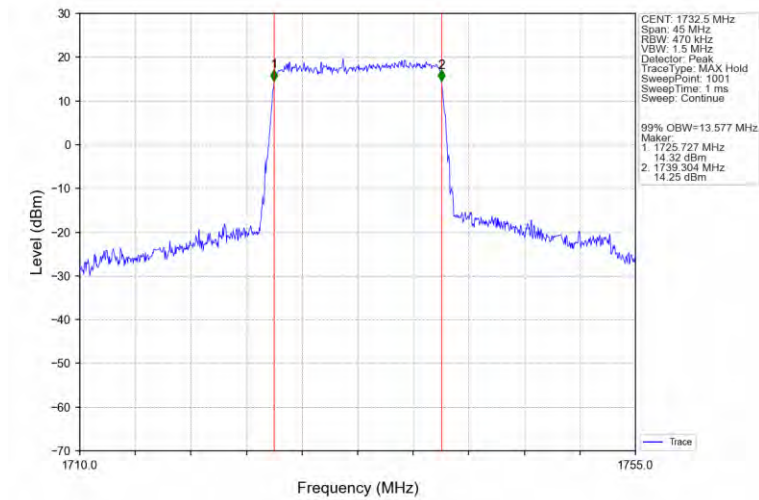
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

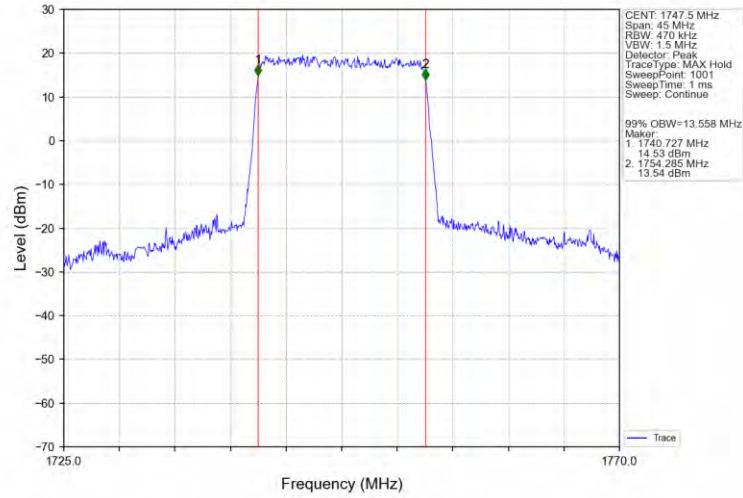


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

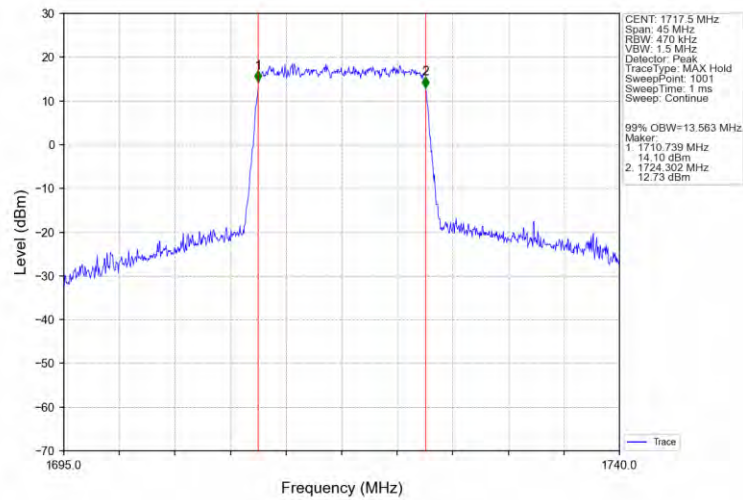


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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

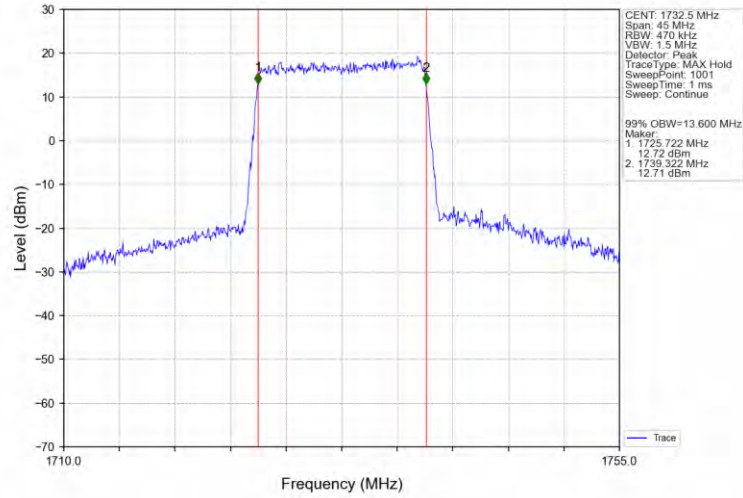


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

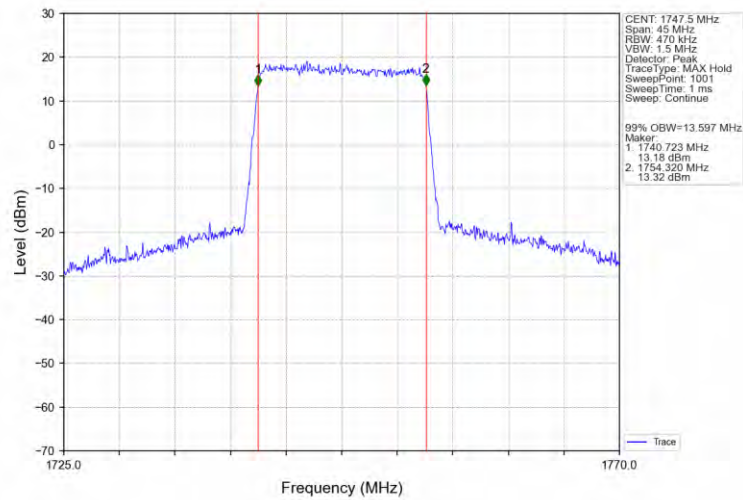


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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

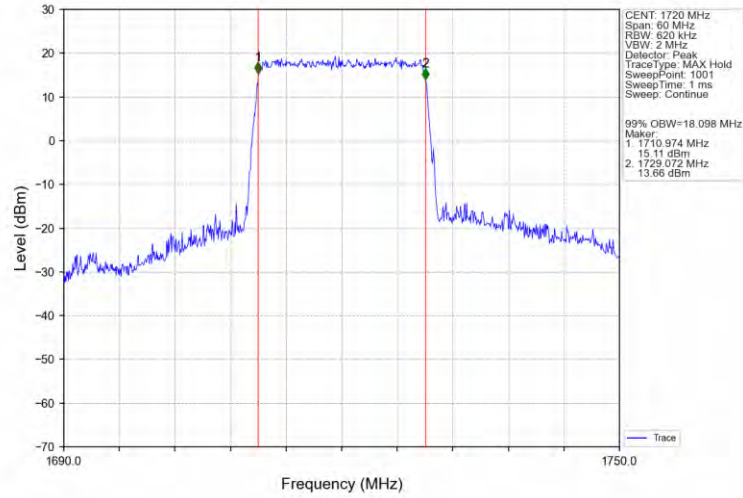


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

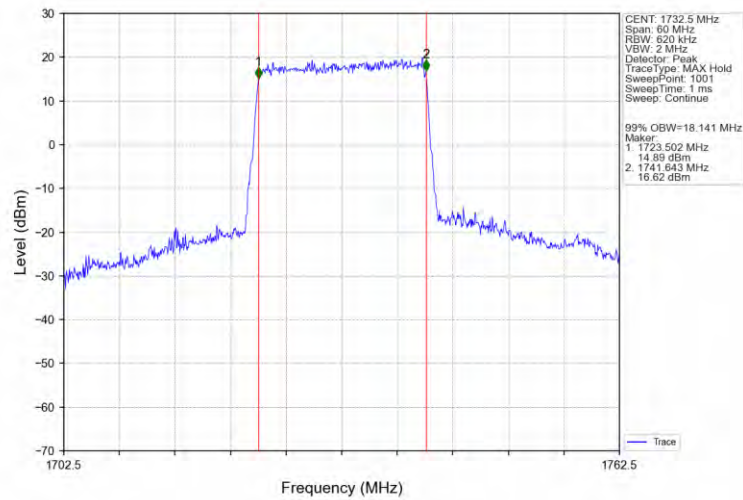


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Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

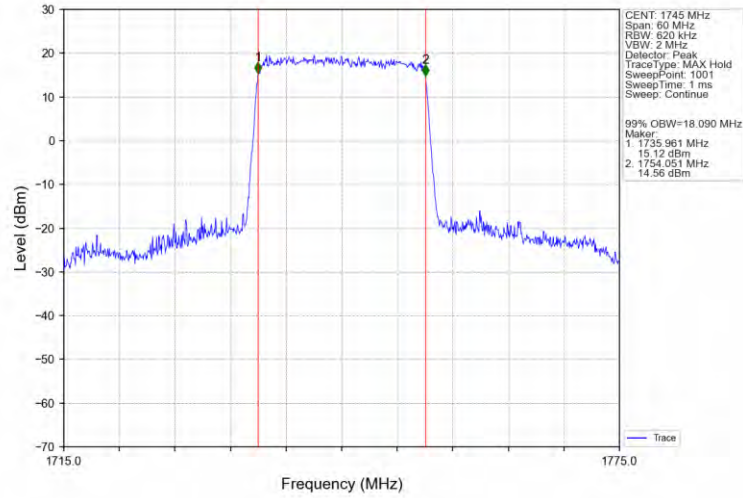


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

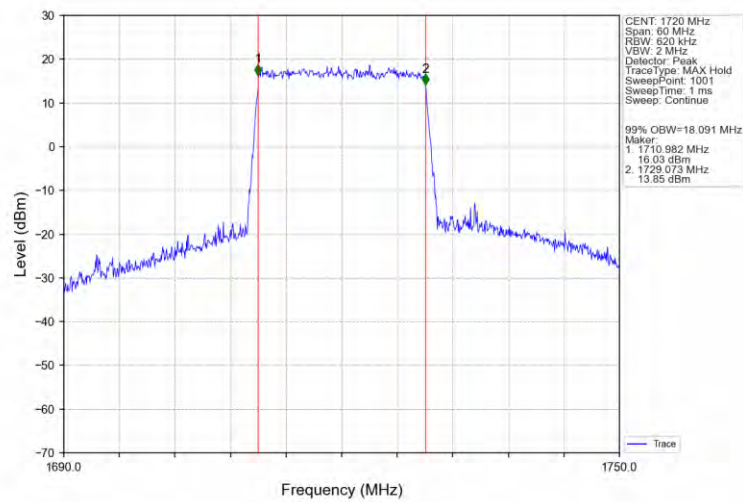


240930017FW6

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

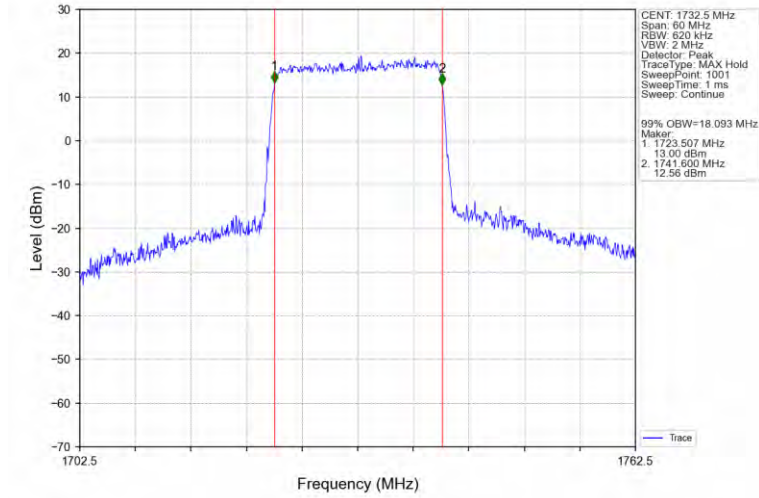


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

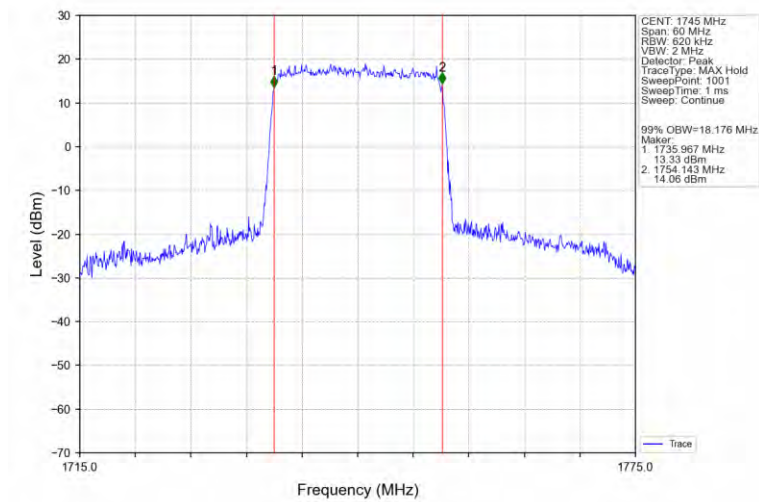


240930017FW6

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

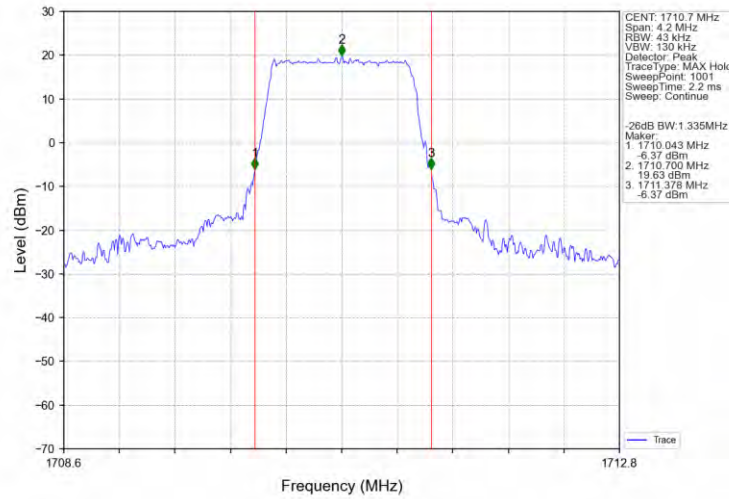


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

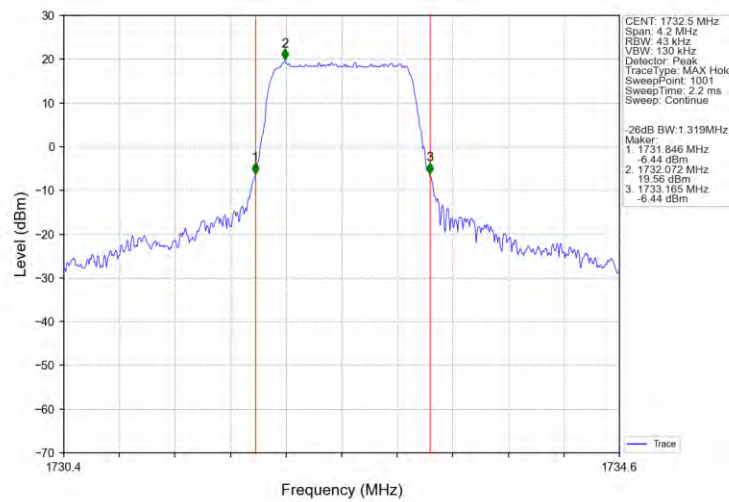


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

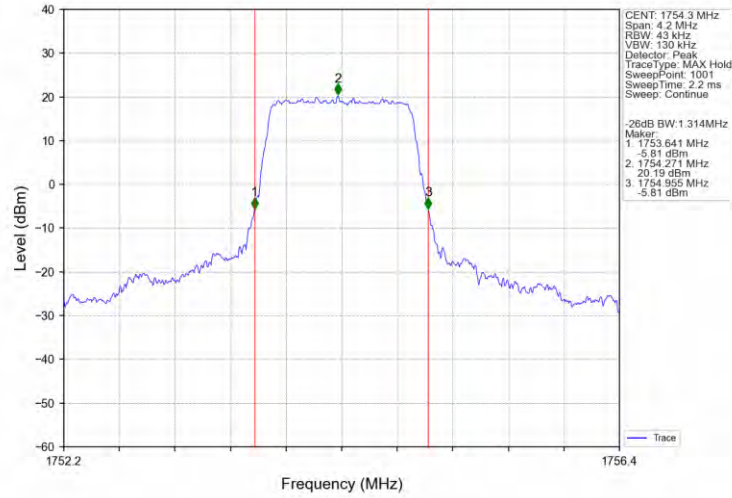


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

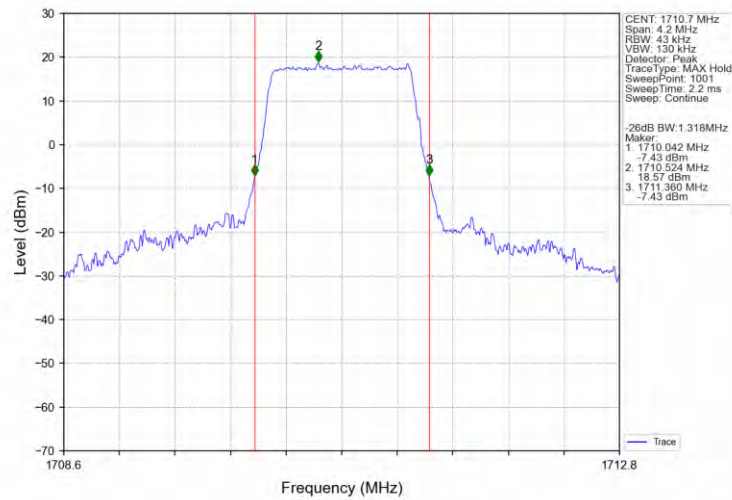


240930017FW6

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

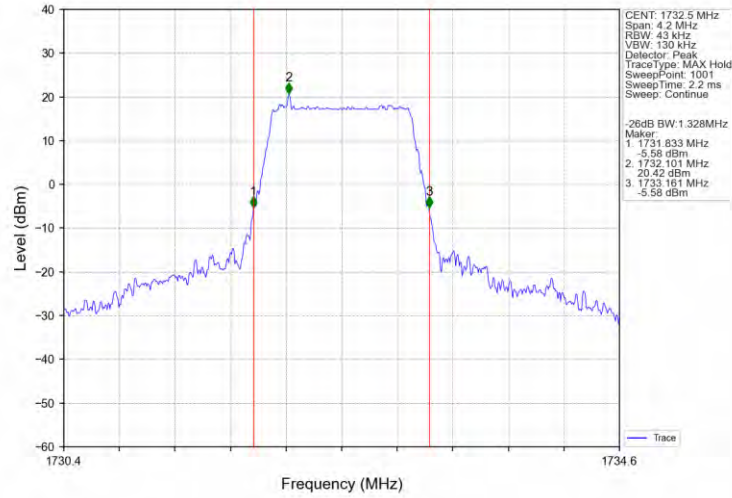


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

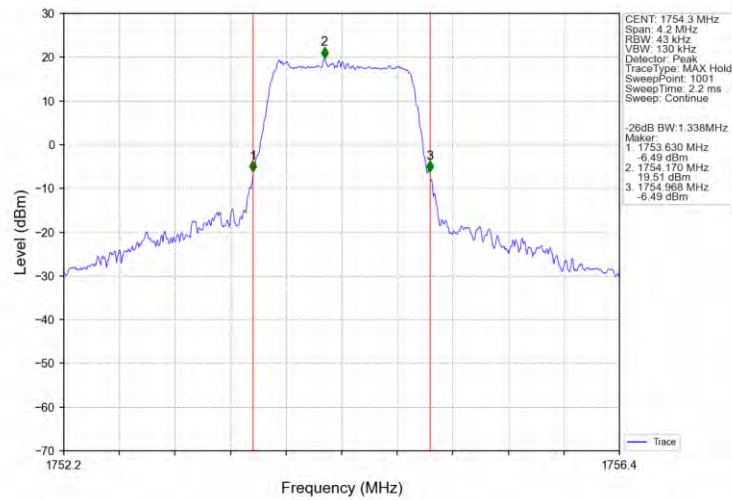


240930017FW6

Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN

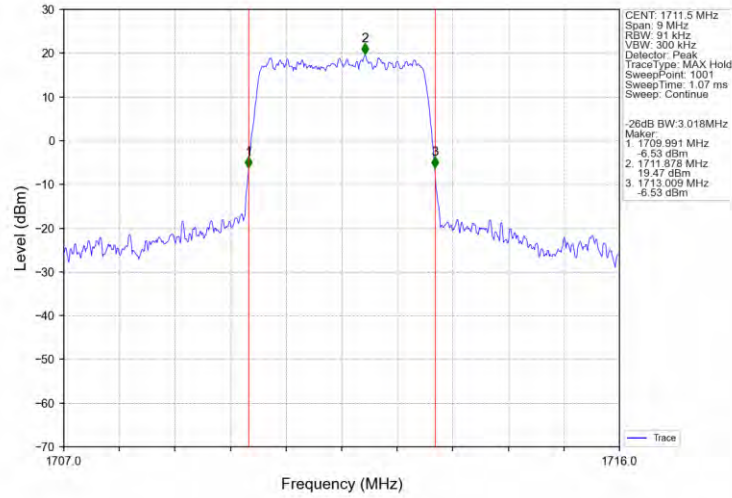


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN

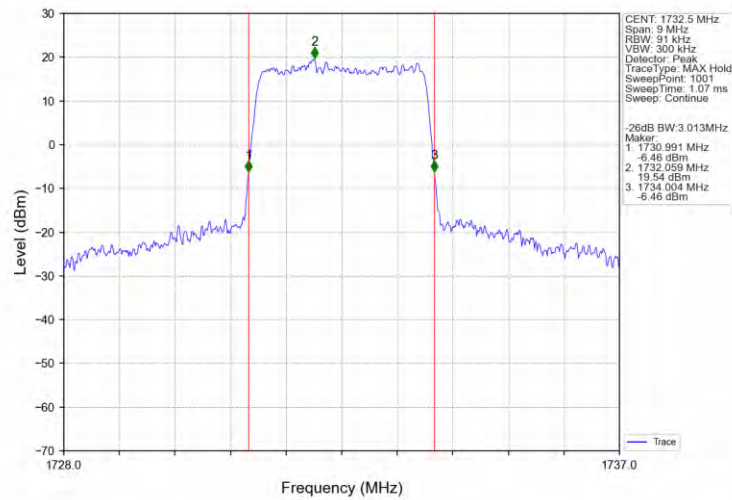


240930017FW6

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

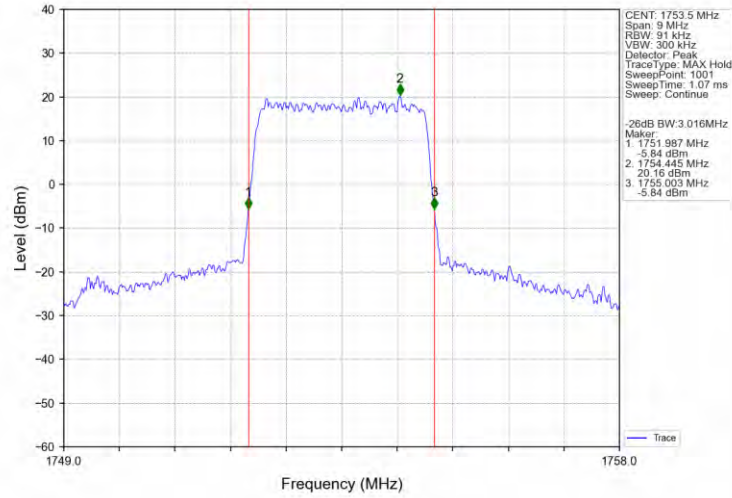


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

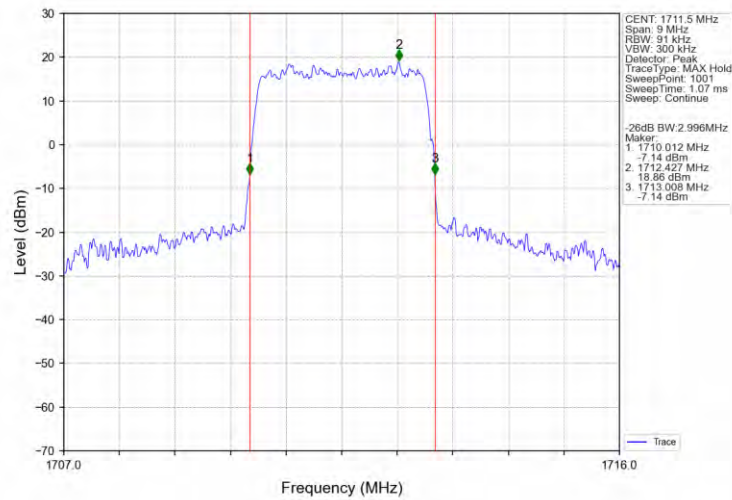


240930017FW6

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

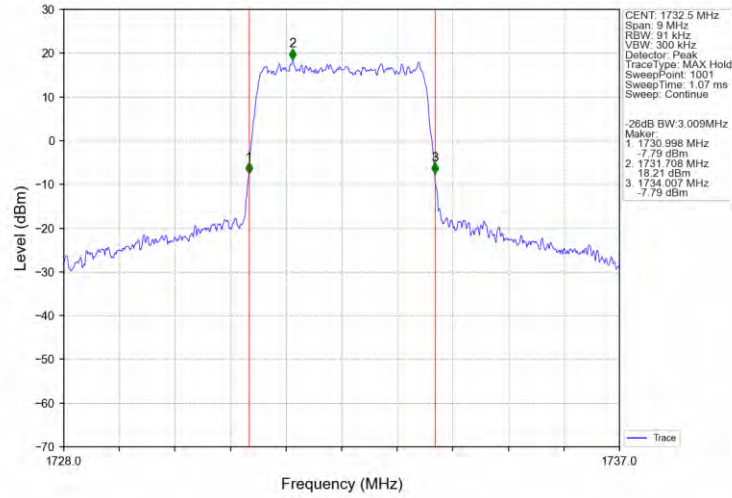


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

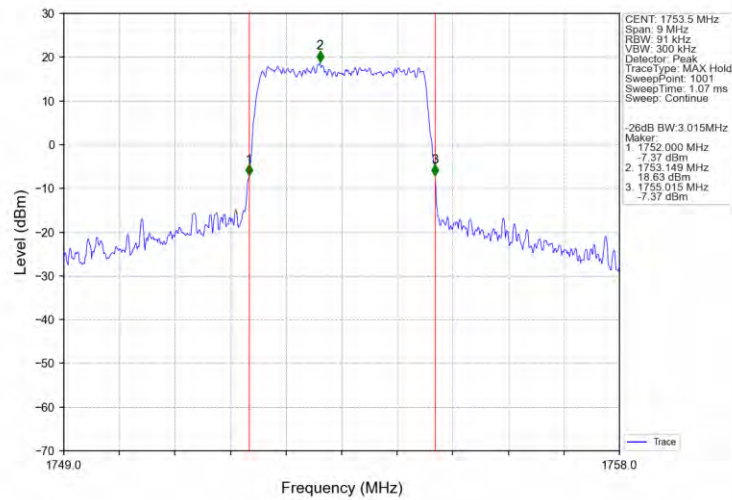


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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

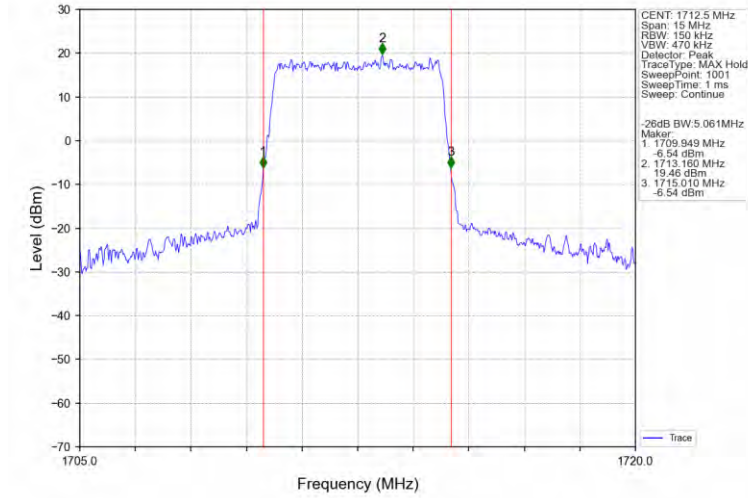


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

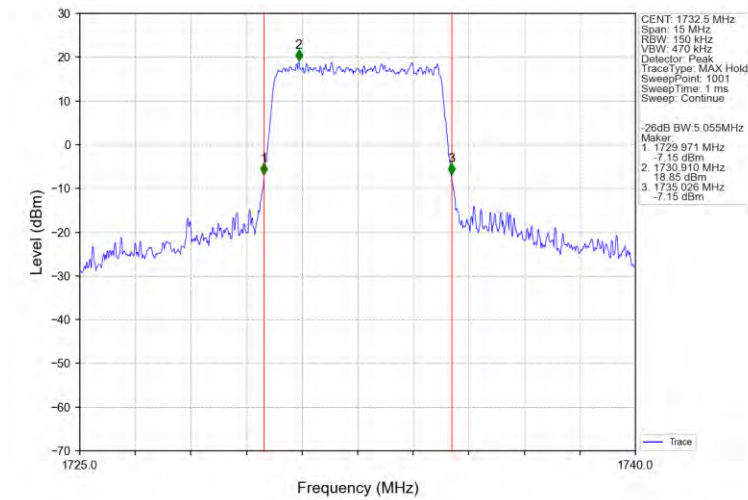


240930017FW6

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

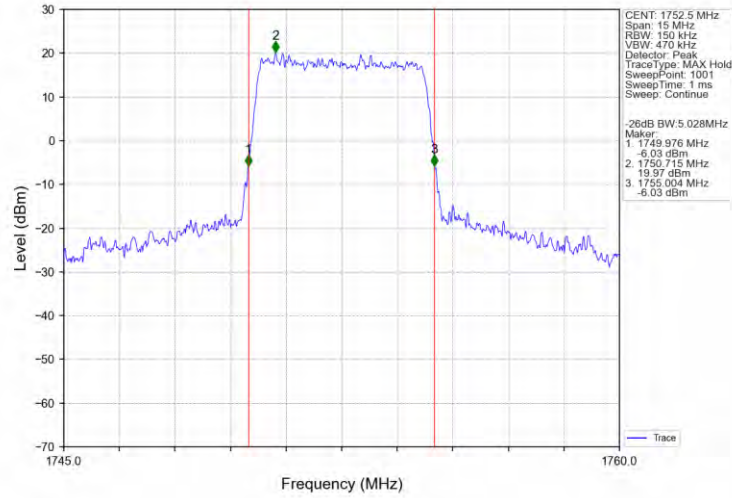


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

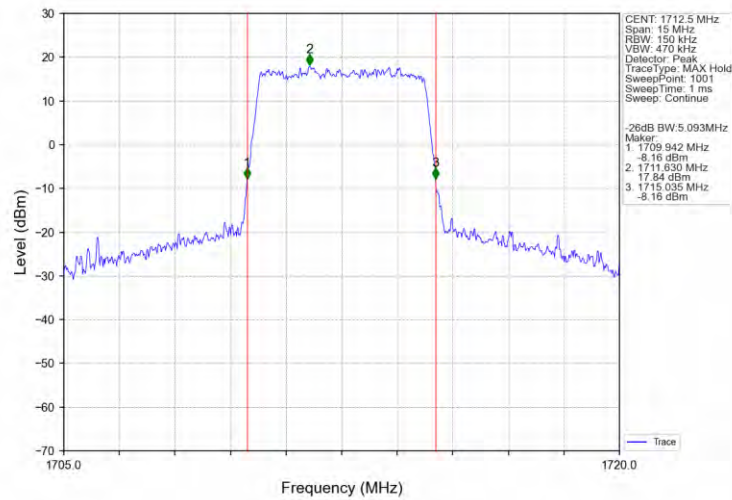


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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

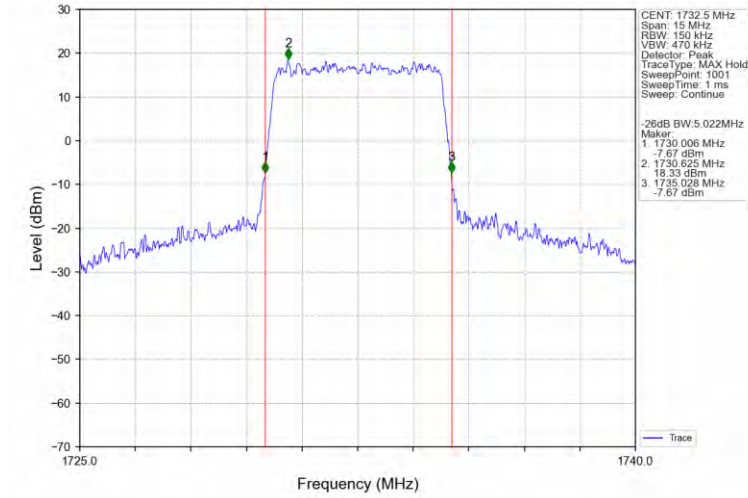


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

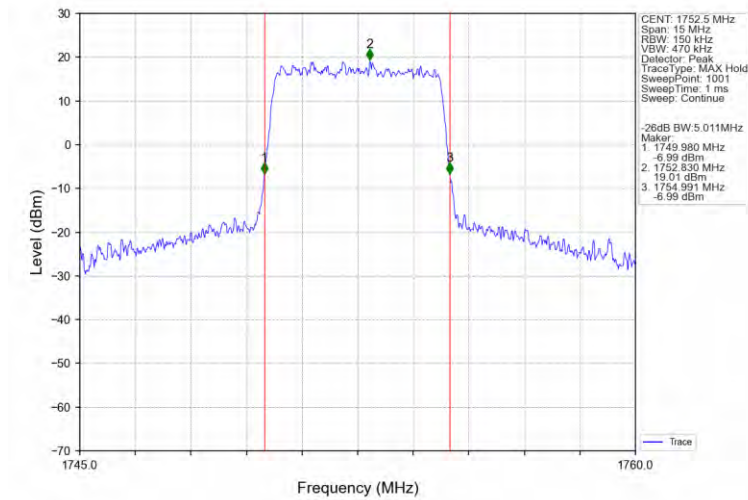


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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

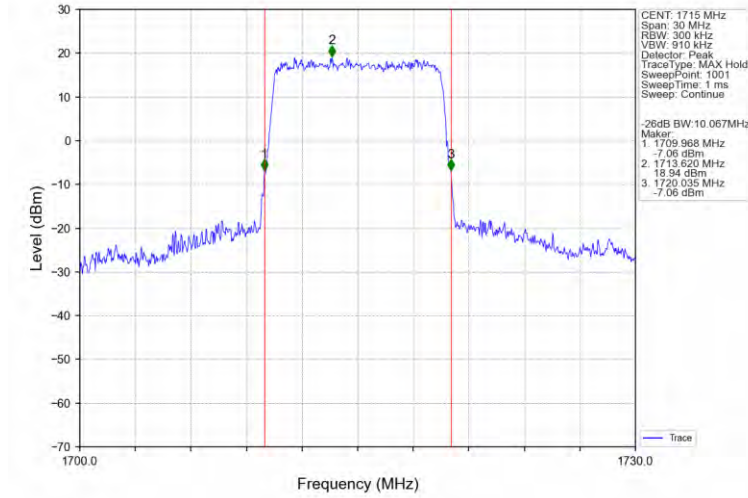


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

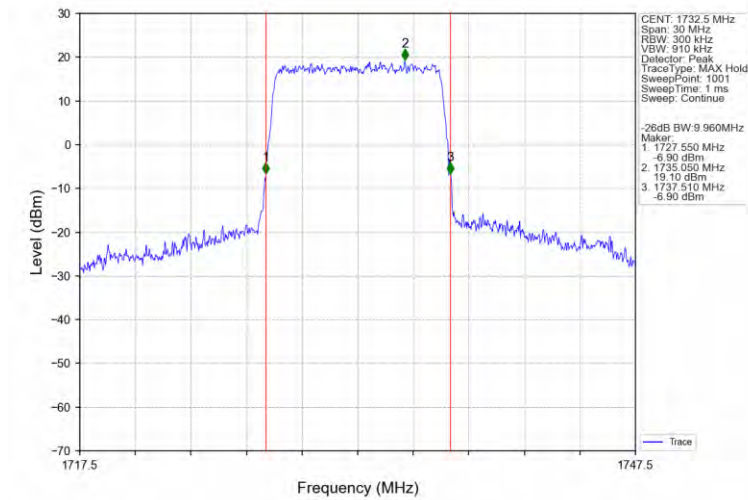


240930017FW6

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

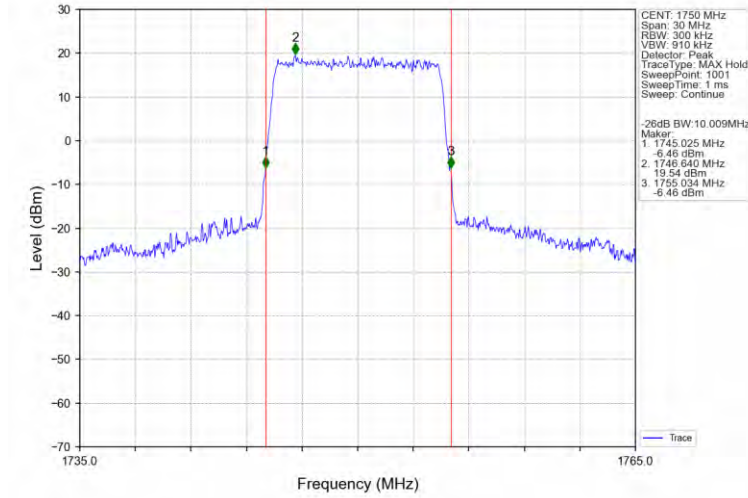


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

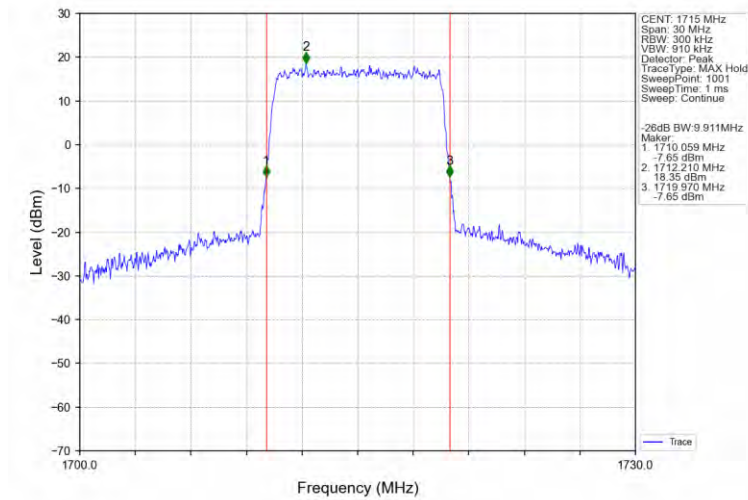


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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

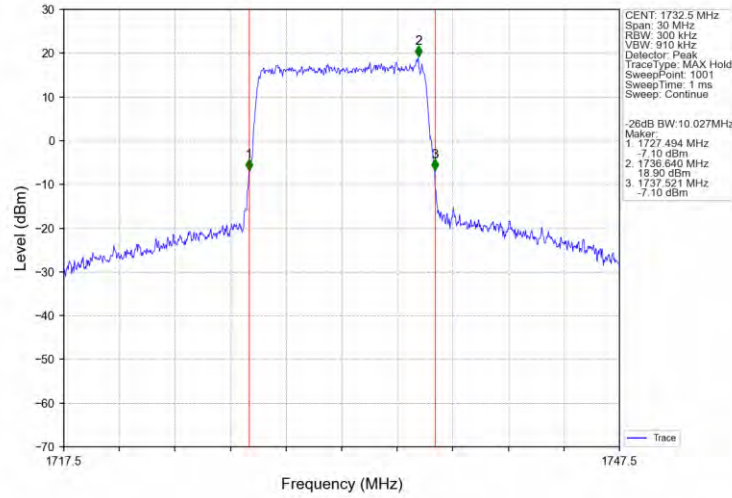


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

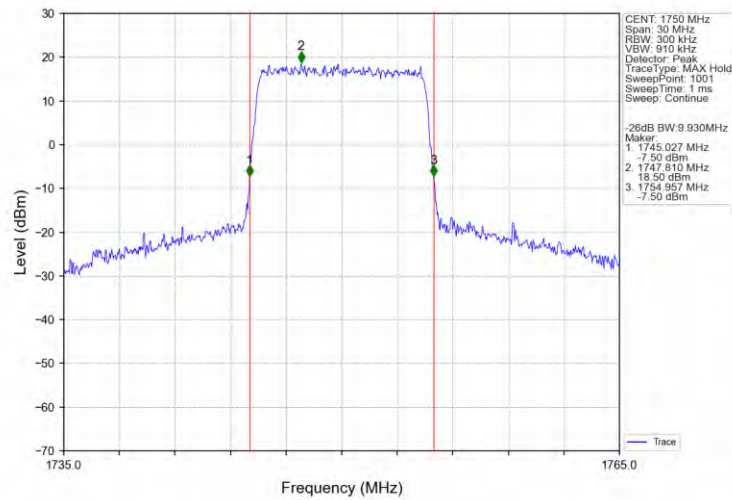


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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

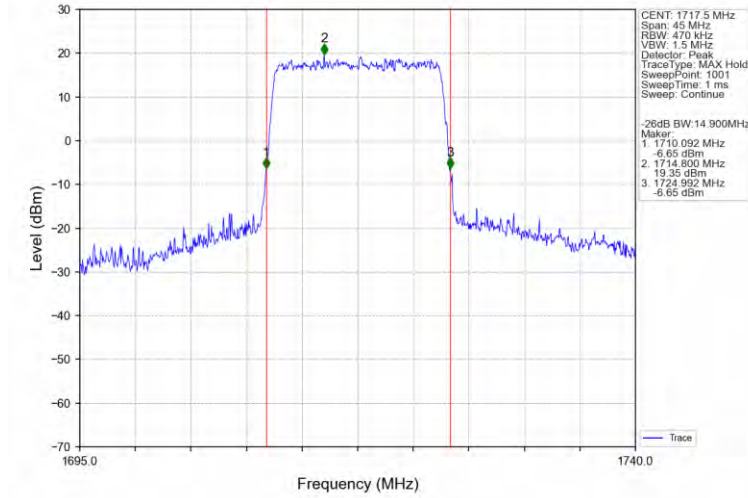


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

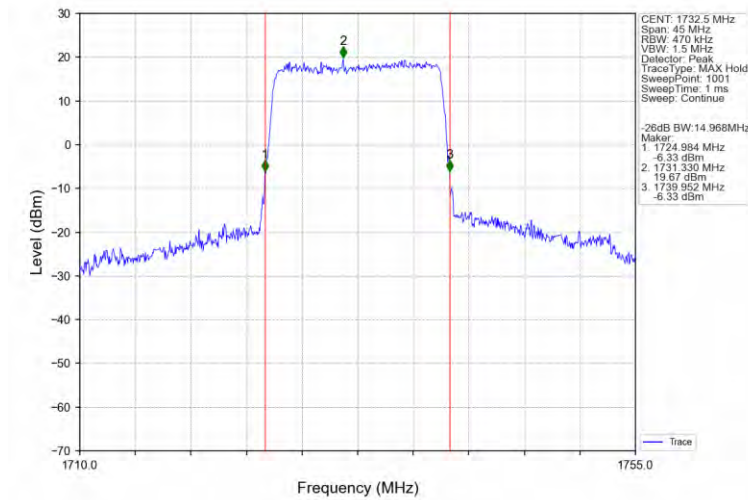


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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

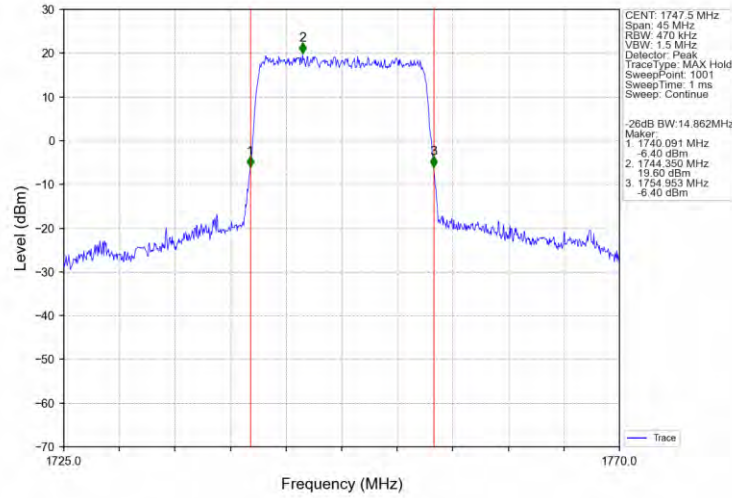


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

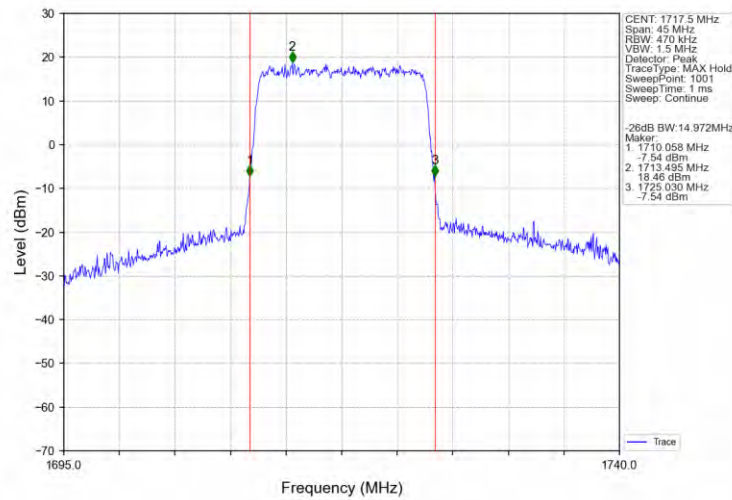


240930017FW6

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

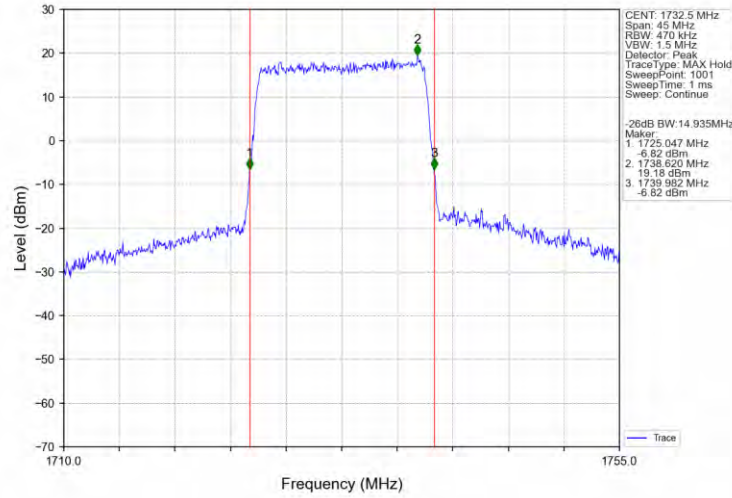


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

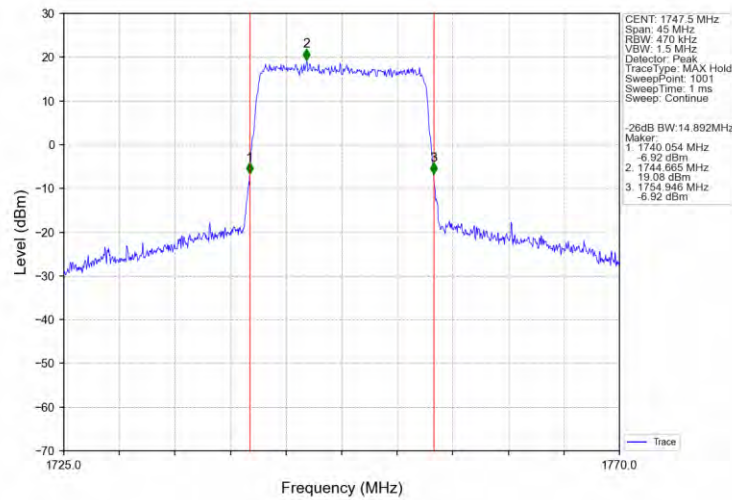


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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

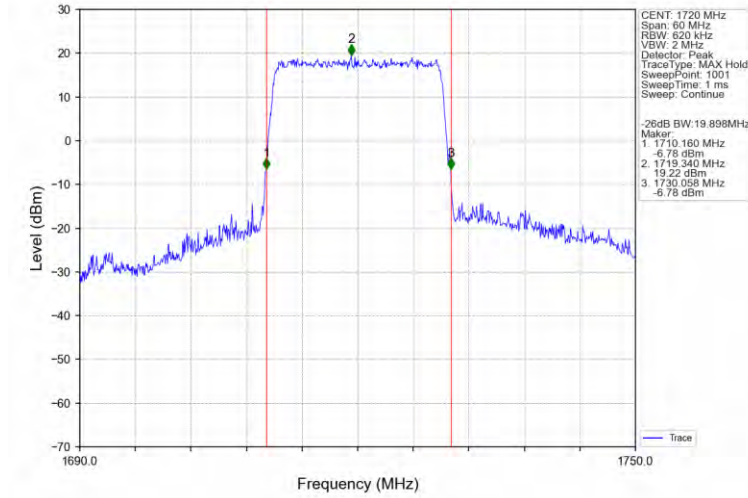


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

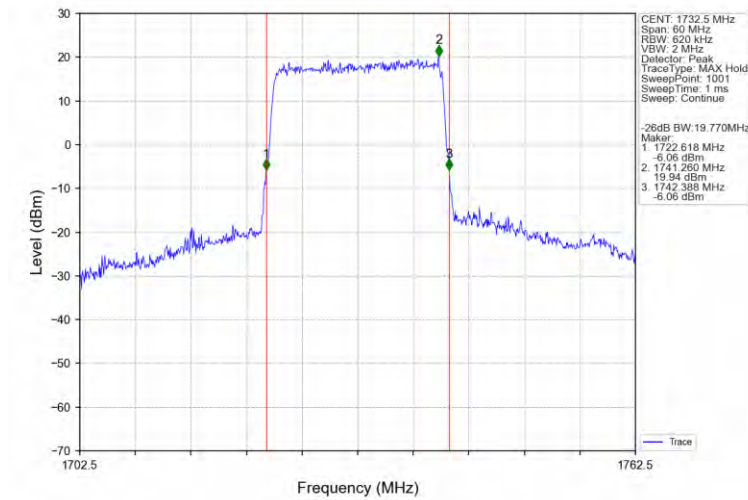


240930017FW6

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

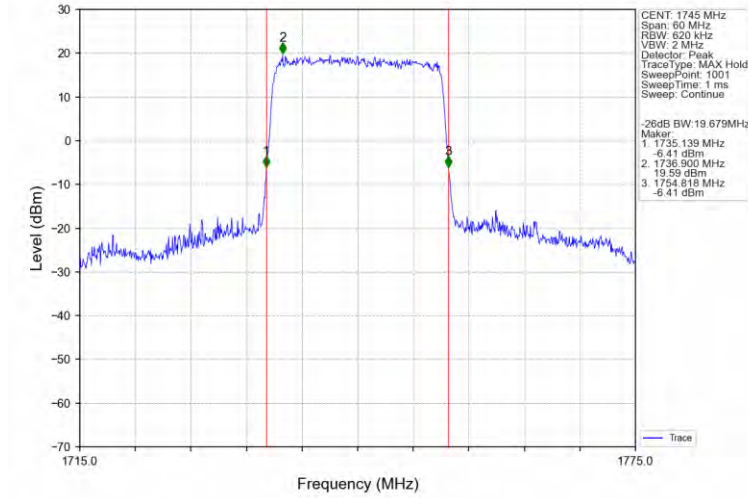


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

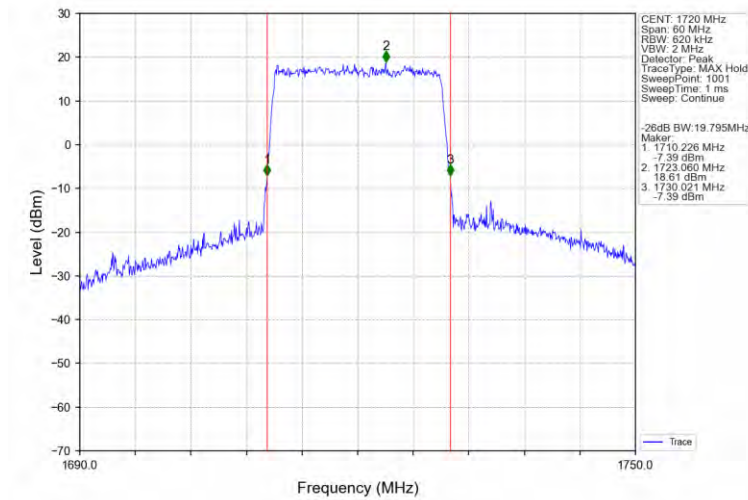


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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

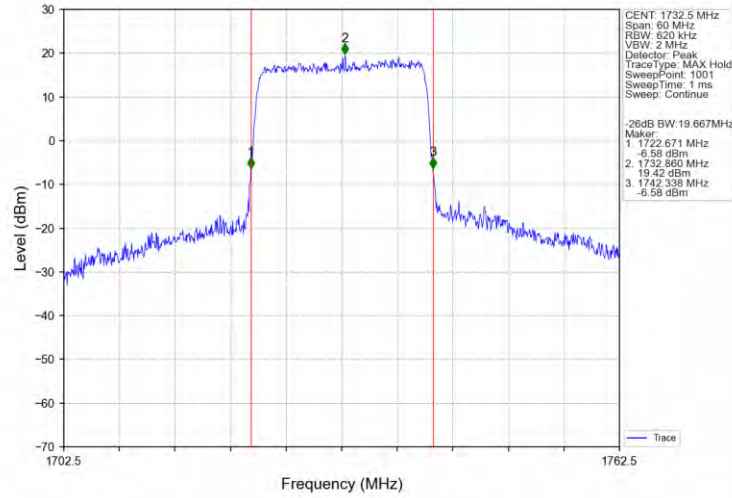


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

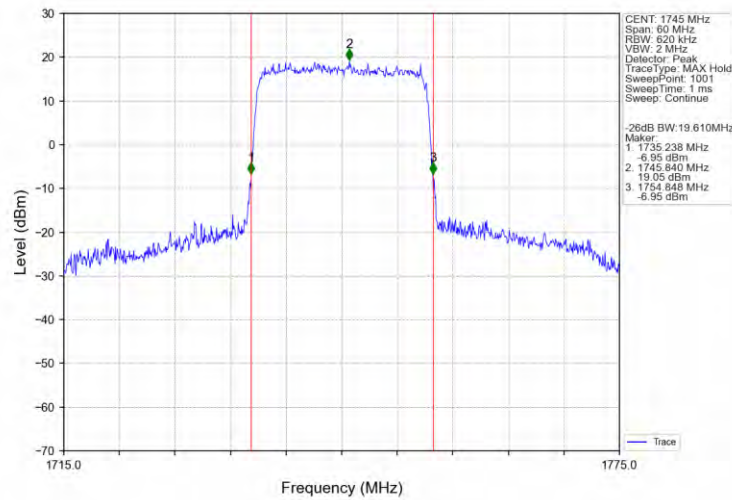


240930017FW6

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.45	<=13	Pass
	1732.5	6	0	5.37	<=13	Pass
	1754.3	6	0	5.57	<=13	Pass
16QAM	1710.7	6	0	6.29	<=13	Pass
	1732.5	6	0	6.25	<=13	Pass
	1754.3	6	0	6.33	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.69	<=13	Pass
	1732.5	15	0	5.59	<=13	Pass
	1753.5	15	0	5.70	<=13	Pass
16QAM	1711.5	15	0	6.49	<=13	Pass
	1732.5	15	0	6.42	<=13	Pass
	1753.5	15	0	6.55	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.76	<=13	Pass
	1732.5	25	0	5.65	<=13	Pass
	1752.5	25	0	5.80	<=13	Pass
16QAM	1712.5	25	0	6.48	<=13	Pass
	1732.5	25	0	6.43	<=13	Pass
	1752.5	25	0	6.54	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.67	<=13	Pass
	1732.5	50	0	5.61	<=13	Pass
	1750	50	0	5.71	<=13	Pass
16QAM	1715	50	0	6.46	<=13	Pass
	1732.5	50	0	6.43	<=13	Pass
	1750	50	0	6.54	<=13	Pass

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5.1.5 B4_15MHz

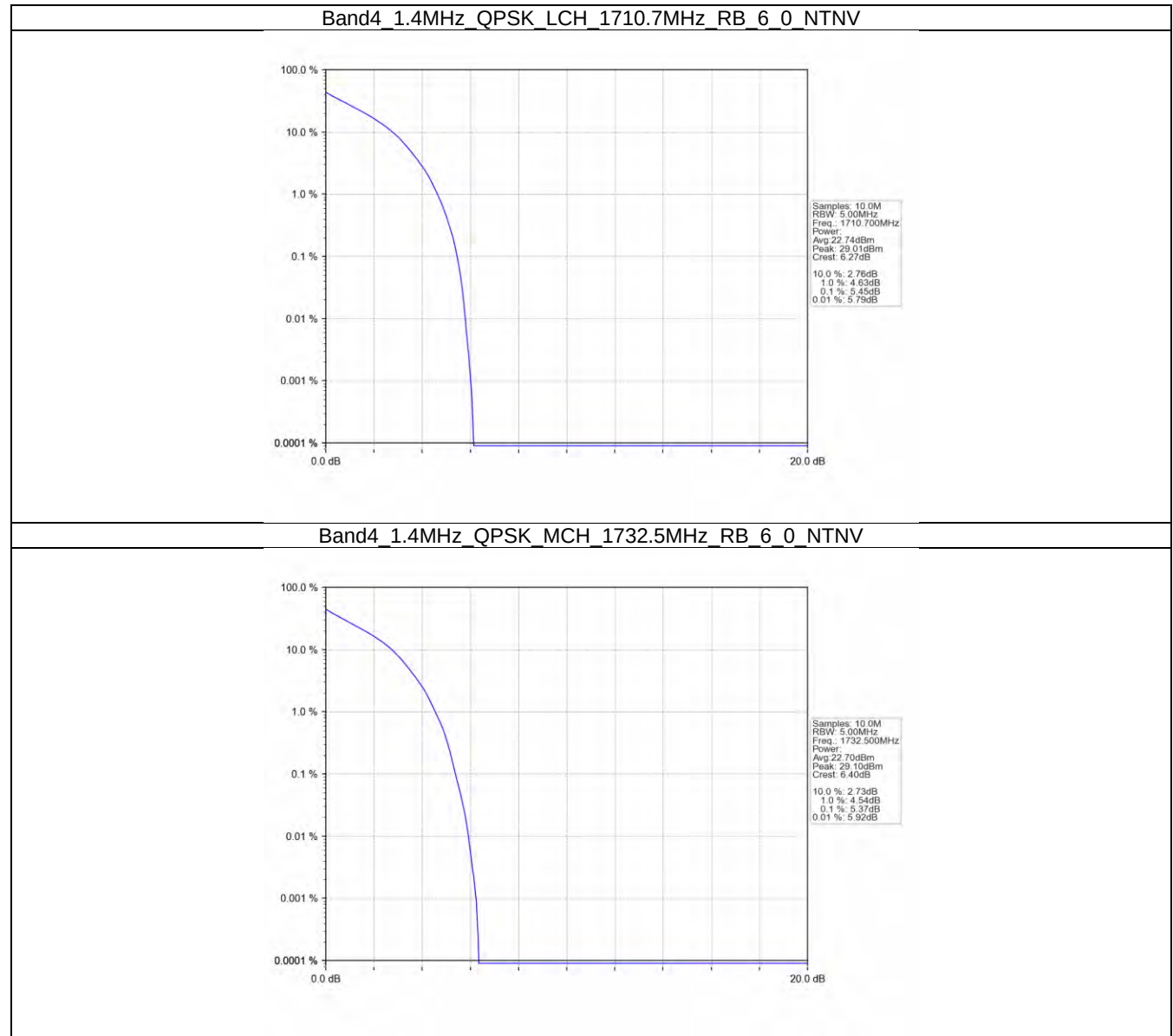
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.94	<=13	Pass
	1732.5	75	0	5.87	<=13	Pass
	1747.5	75	0	5.95	<=13	Pass
16QAM	1717.5	75	0	6.58	<=13	Pass
	1732.5	75	0	6.49	<=13	Pass
	1747.5	75	0	6.56	<=13	Pass

5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.71	<=13	Pass
	1732.5	100	0	5.63	<=13	Pass
	1745	100	0	5.58	<=13	Pass
16QAM	1720	100	0	6.49	<=13	Pass
	1732.5	100	0	6.44	<=13	Pass
	1745	100	0	6.44	<=13	Pass

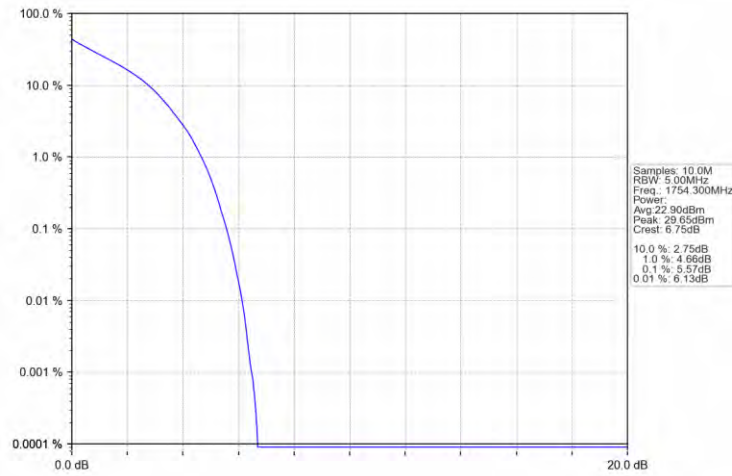
5.2 Test Graph

5.2.1 B4_1.4MHz

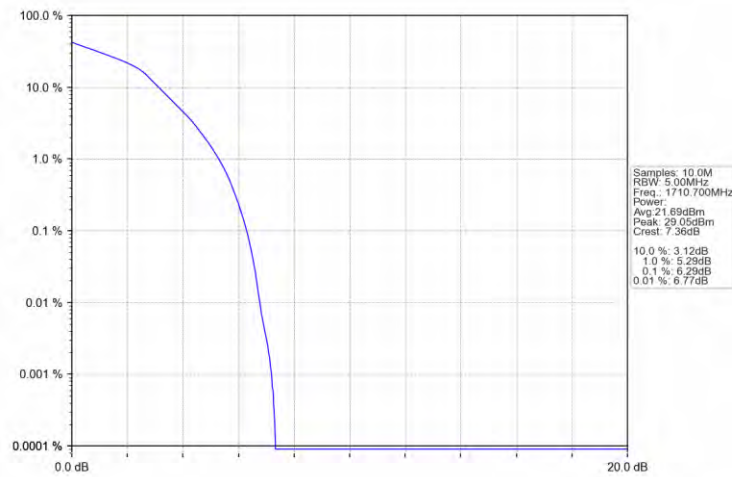


240930017FW6

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

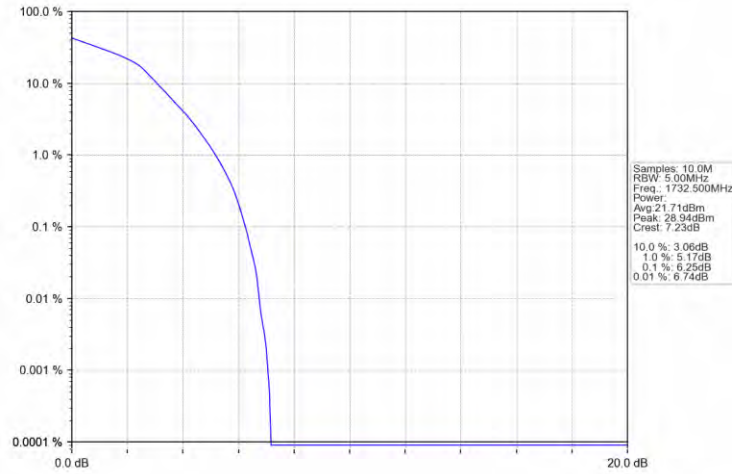


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

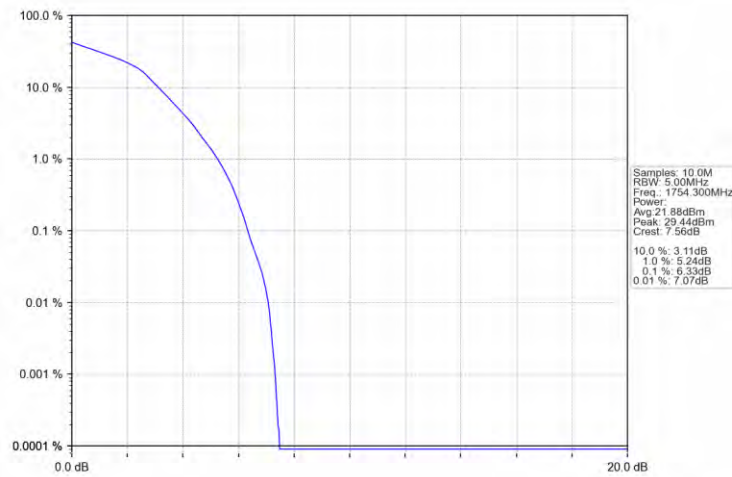


240930017FW6

Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN

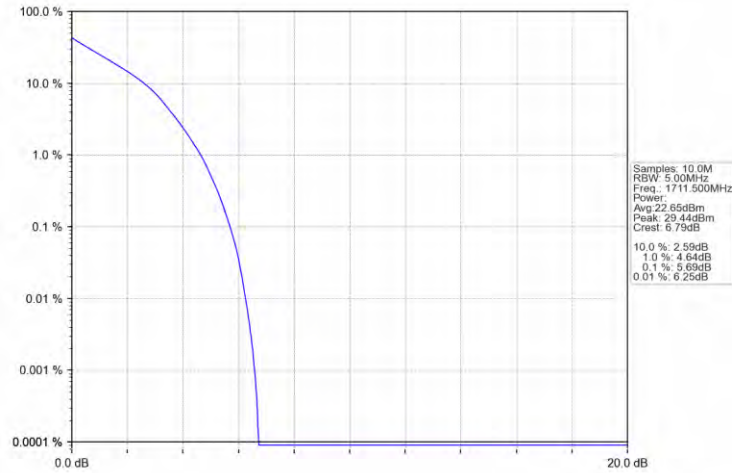


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN

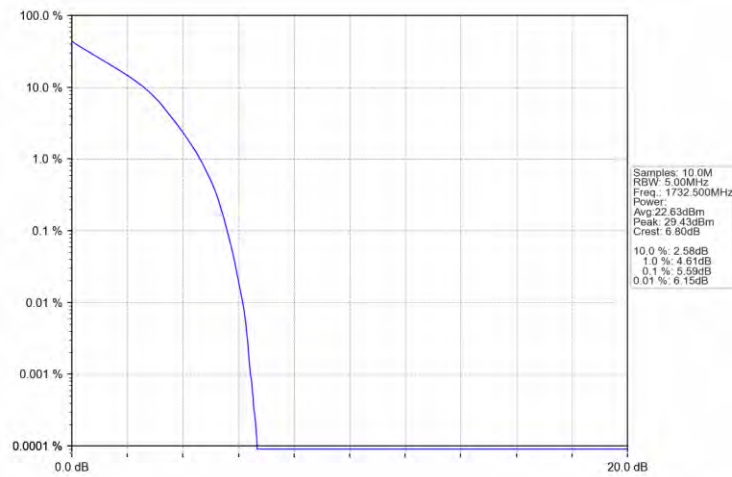


5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

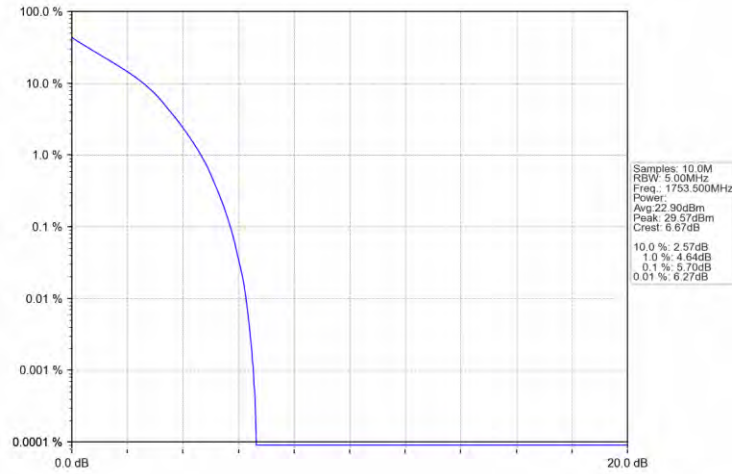


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

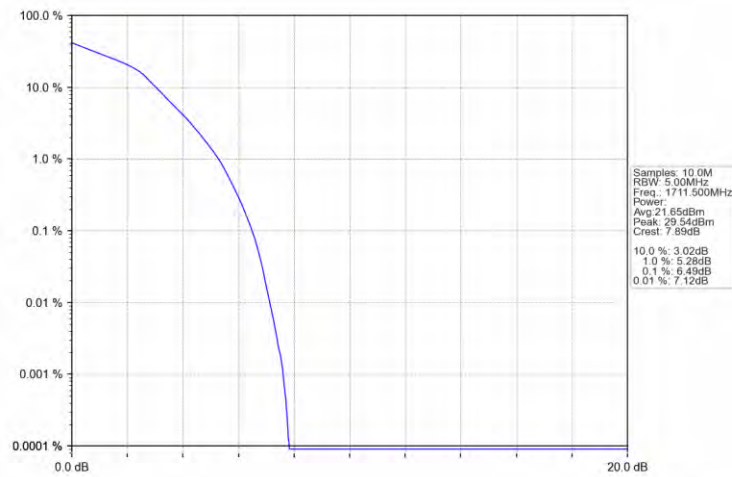


240930017FW6

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

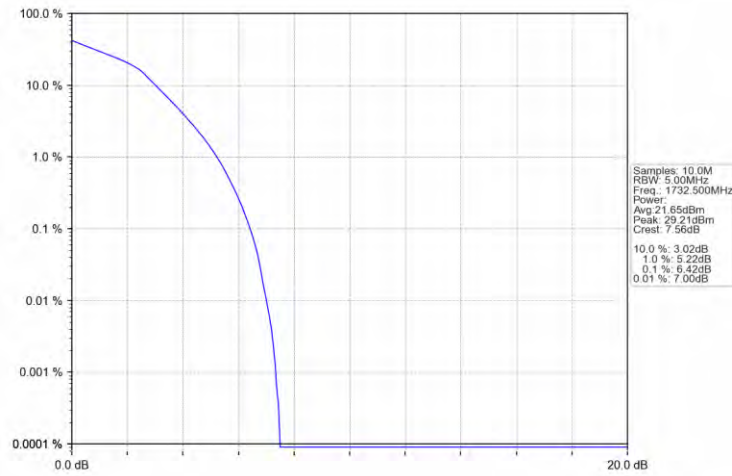


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

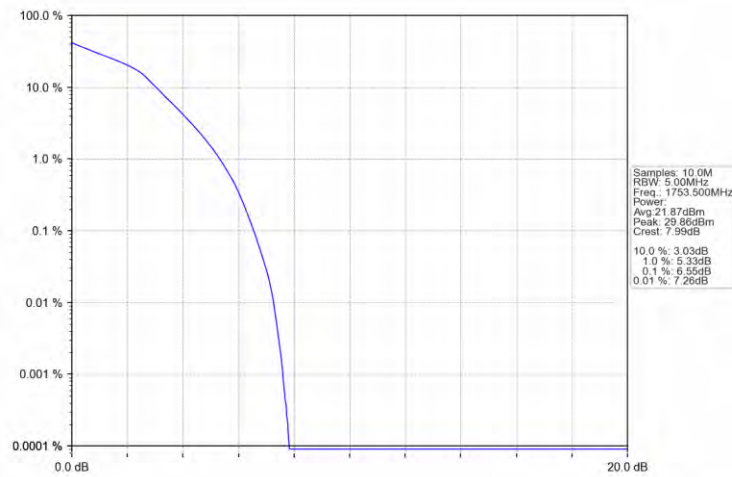


240930017FW6

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

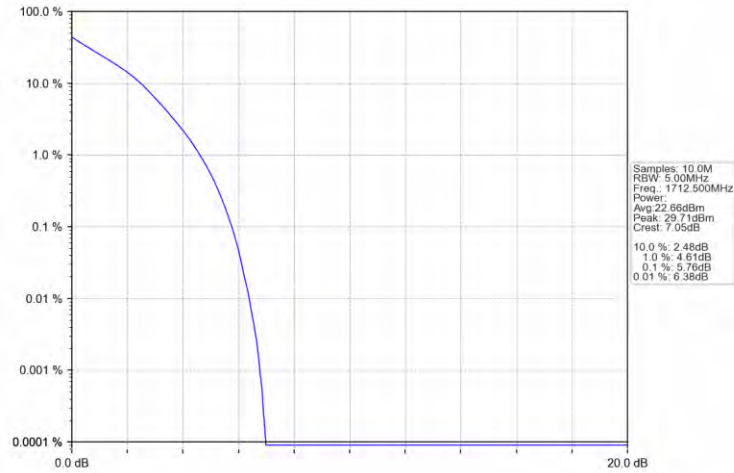


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

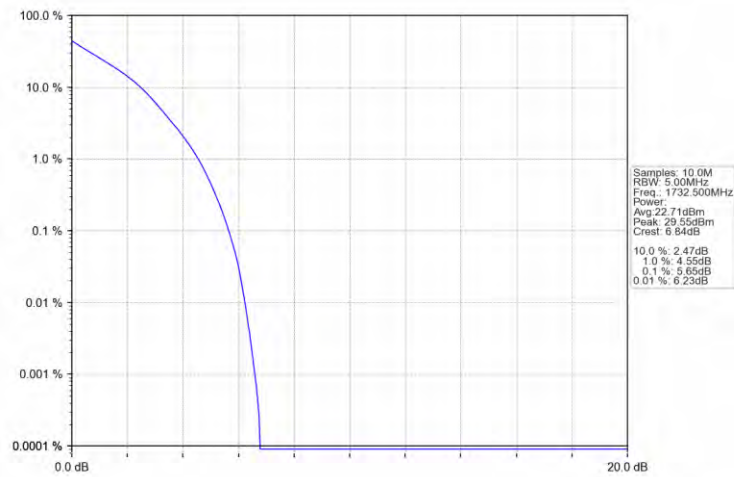


5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

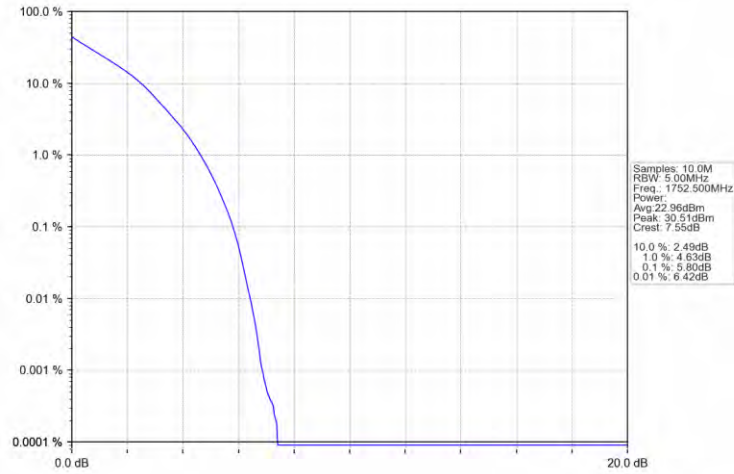


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

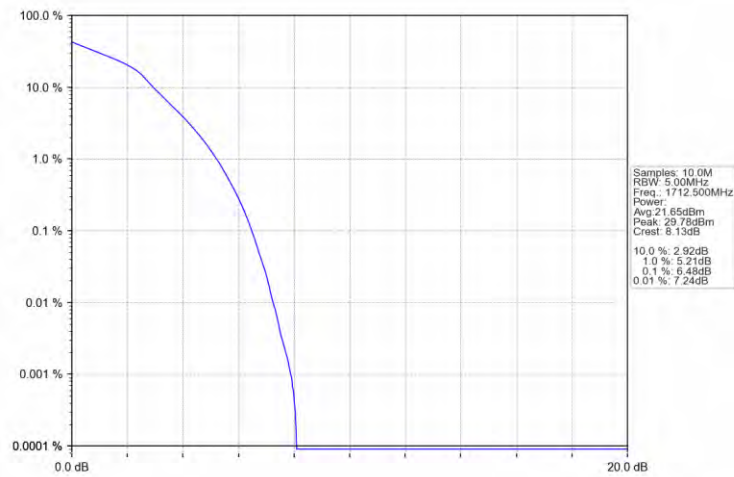


240930017FW6

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

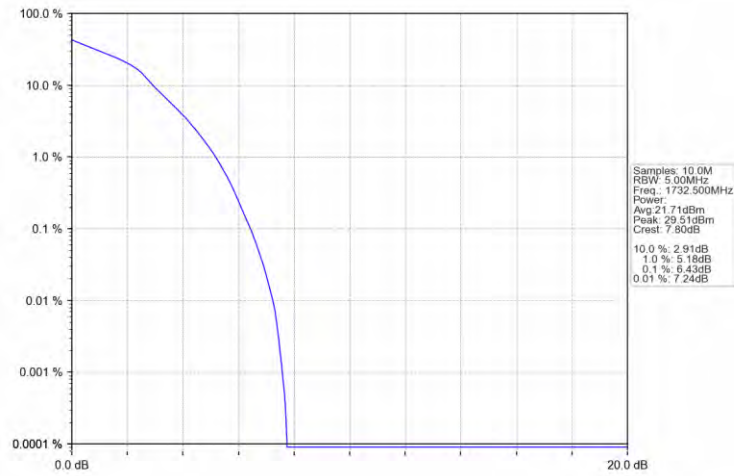


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

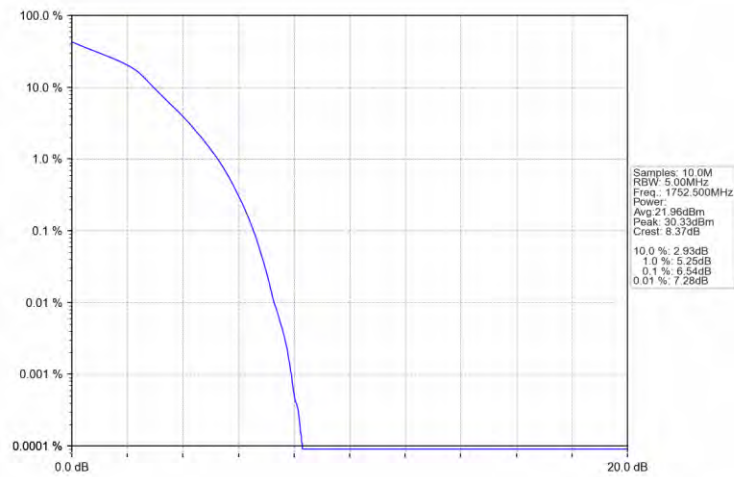


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Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

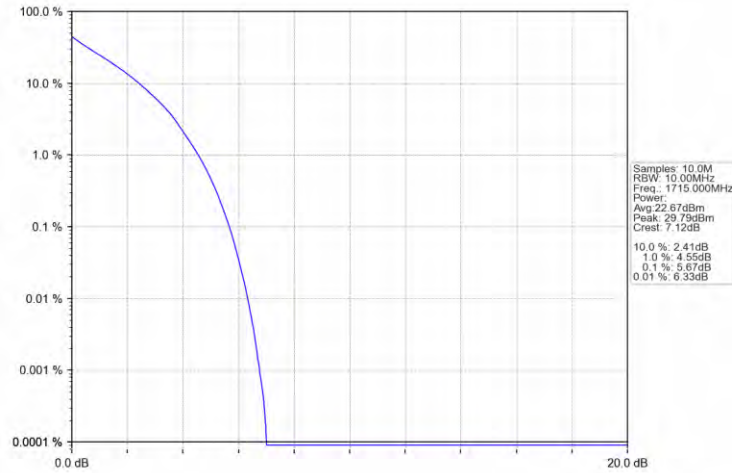


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

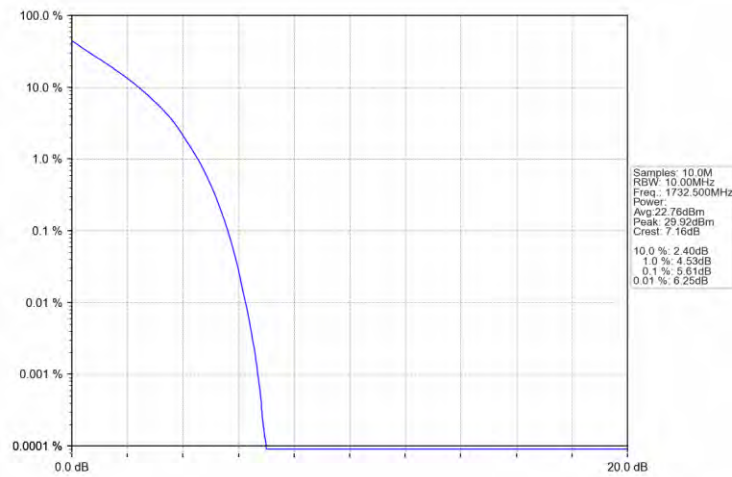


5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

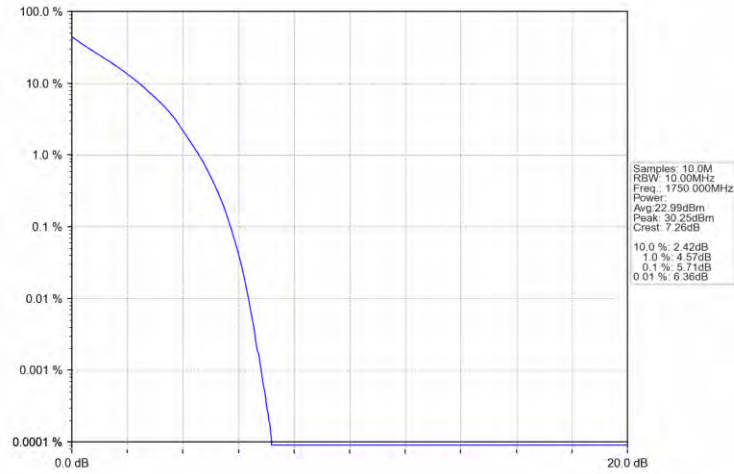


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

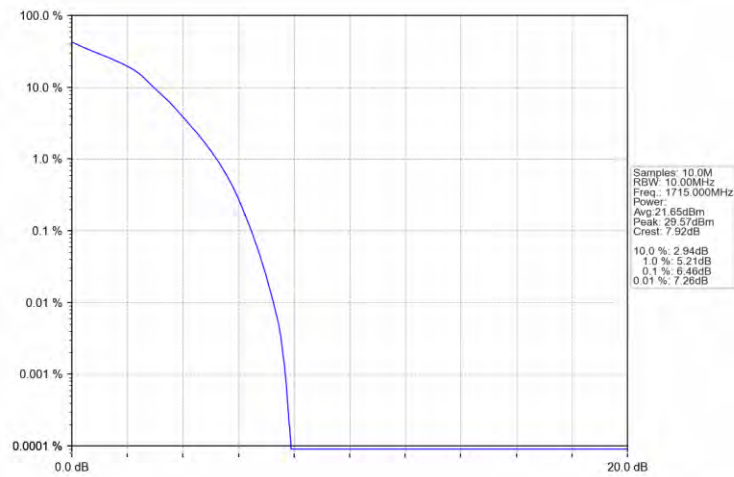


240930017FW6

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

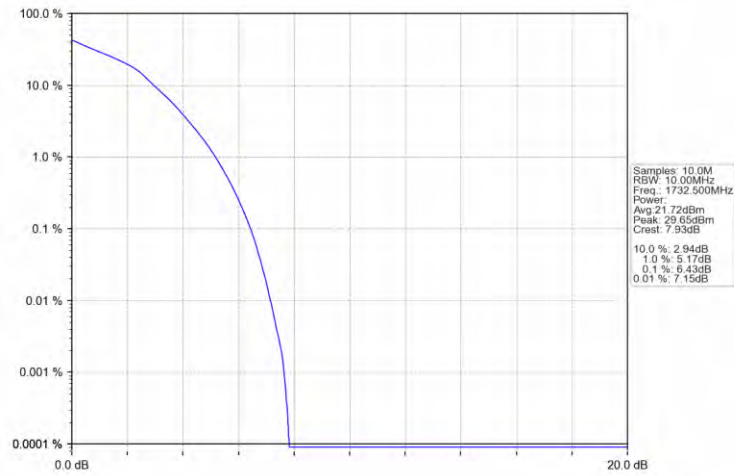


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

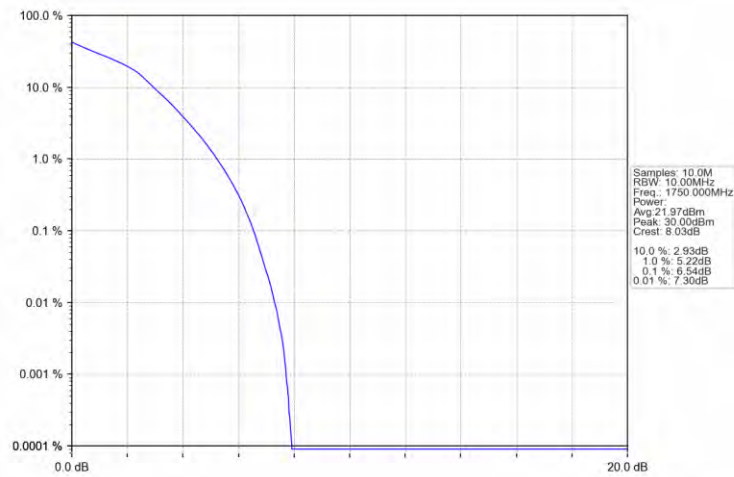


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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

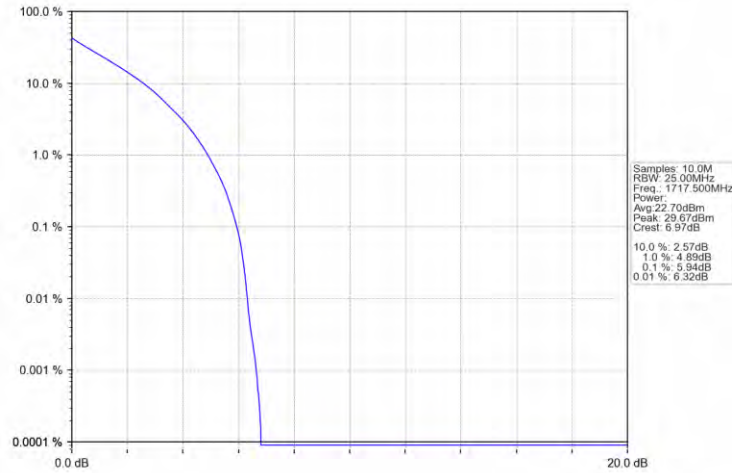


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

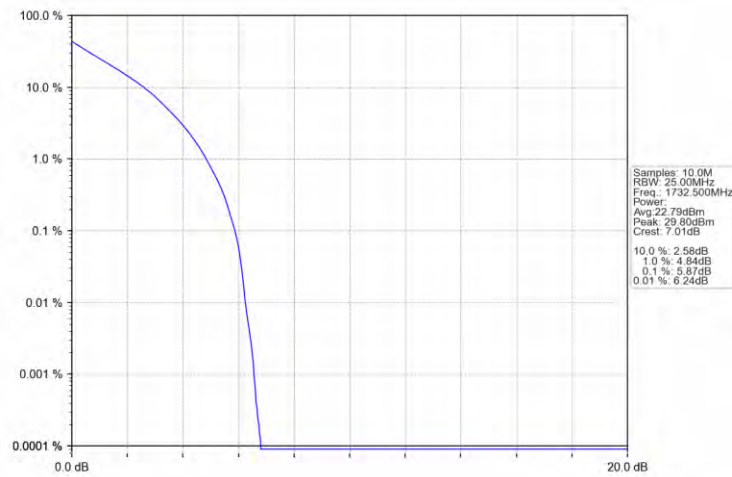


5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

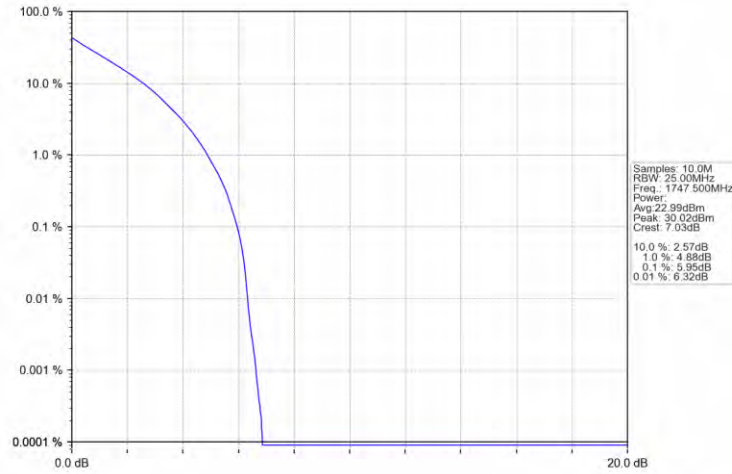


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

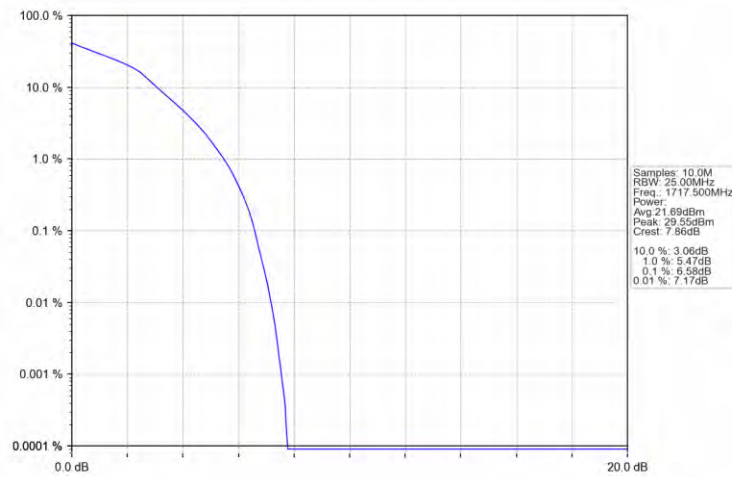


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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

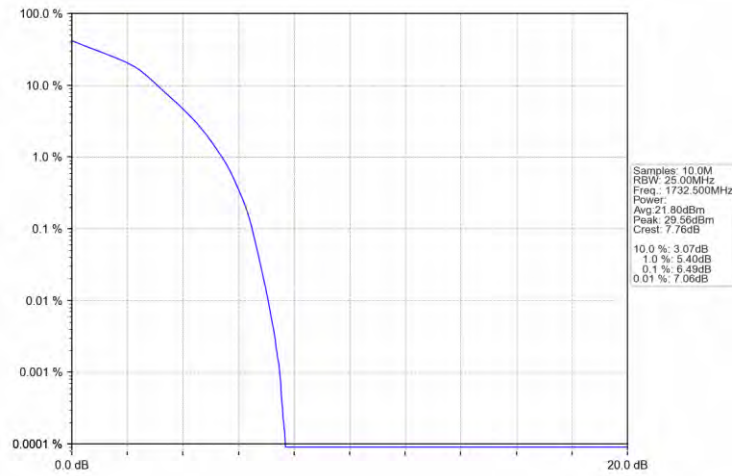


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

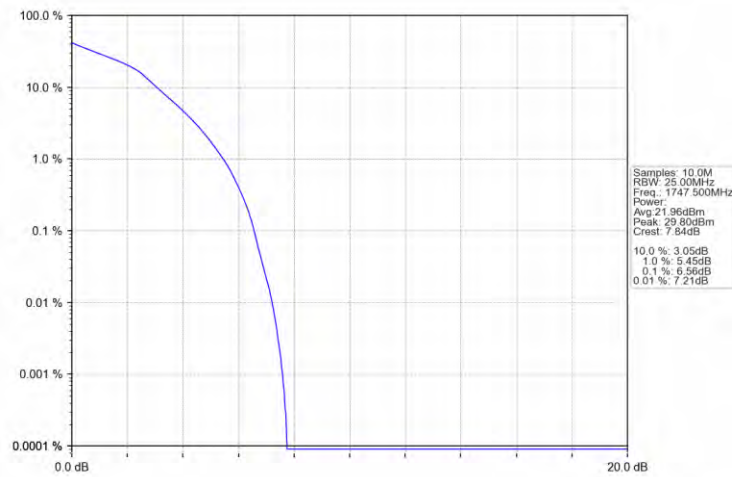


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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

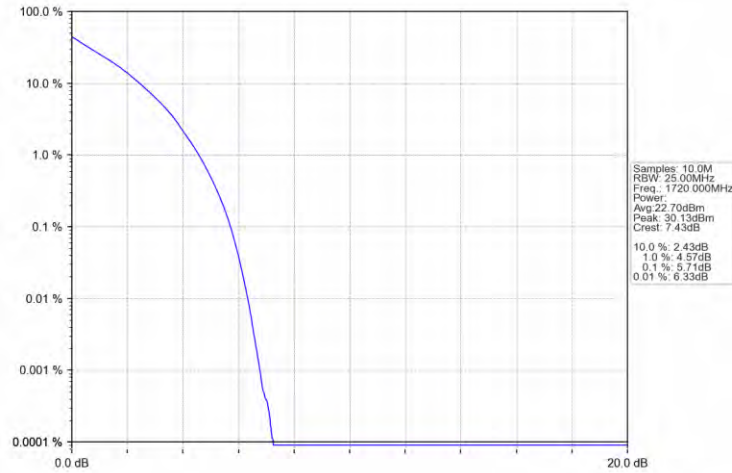


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

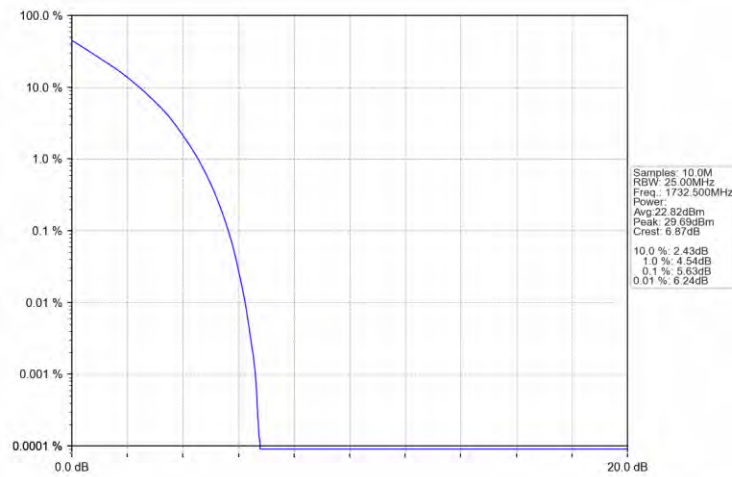


5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

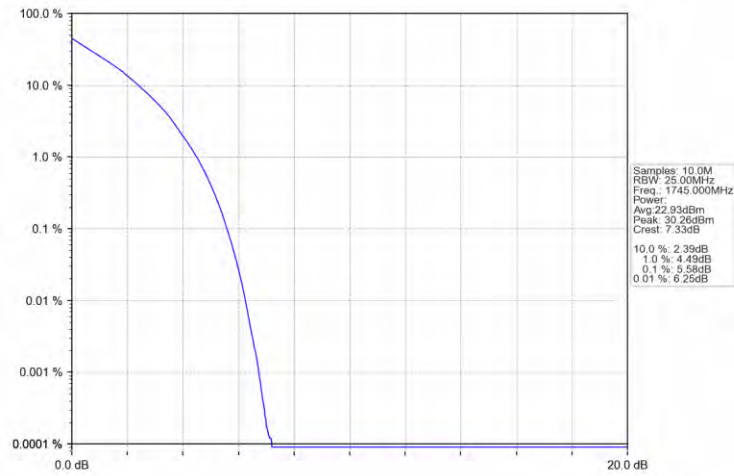


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

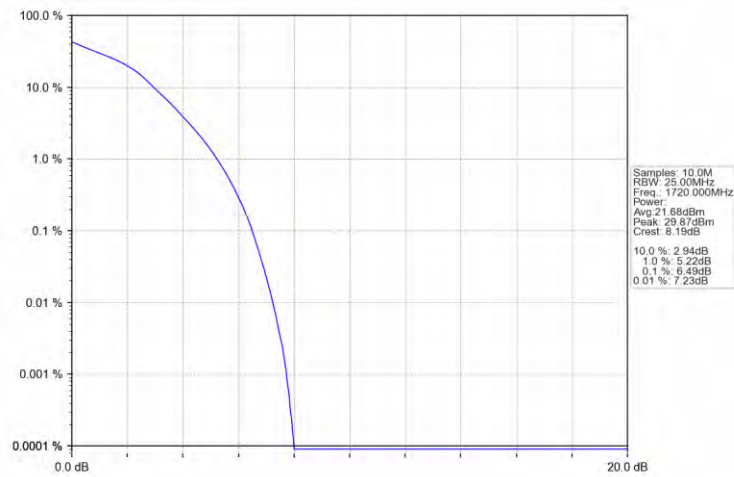


240930017FW6

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

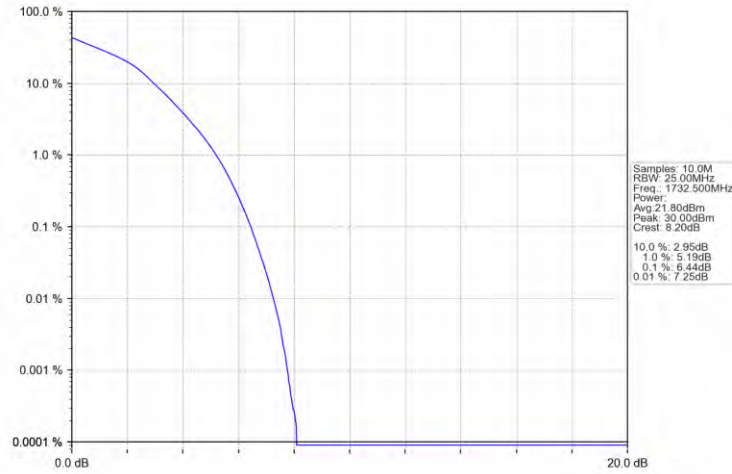


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

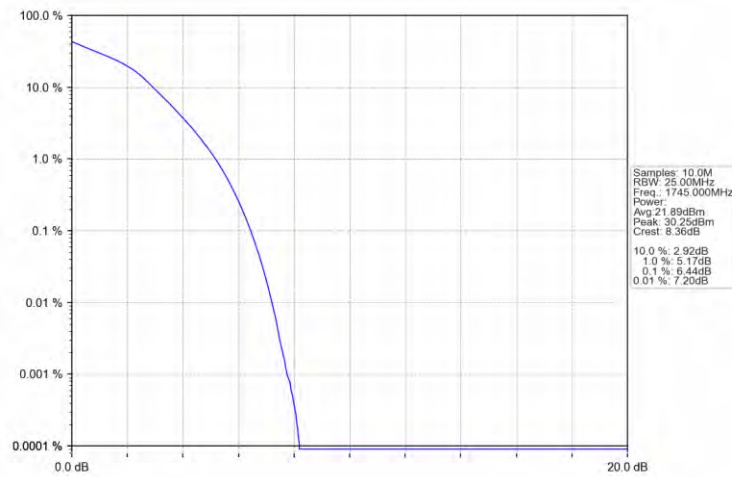


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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	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

6.1.2 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
16QAM	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

6.1.3 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
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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	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

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	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

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	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
16QAM	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

6.1.6 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
16QAM	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



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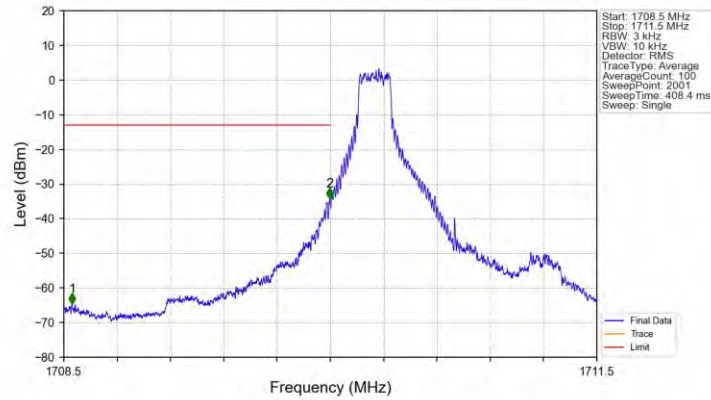
		100	0	Refer To Test Graph	Pass
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6.2 Test Graph

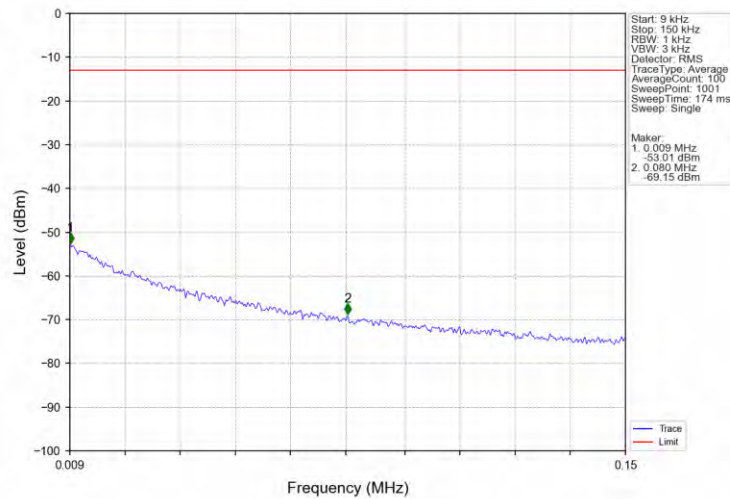
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



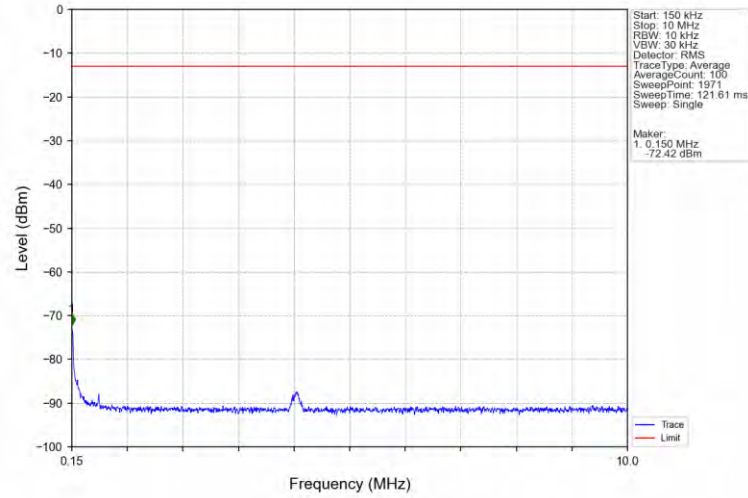
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	/	1	1708.546	-64.73	-13	Pass
1709	1710	0.003	/	2	1709.995	-34.15	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

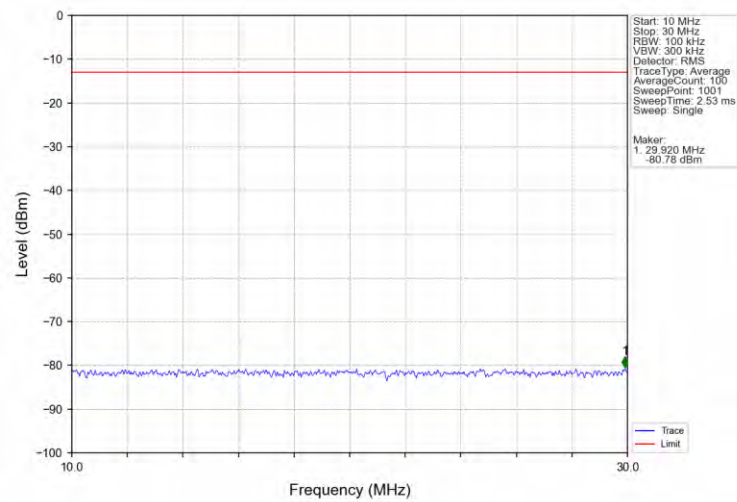


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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

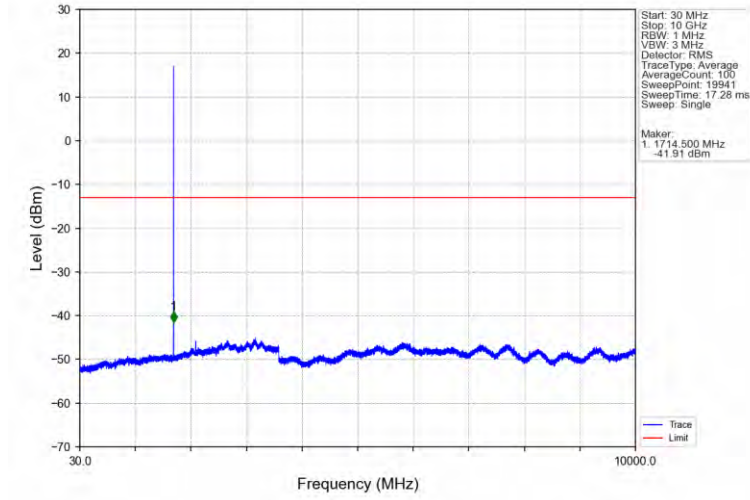


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

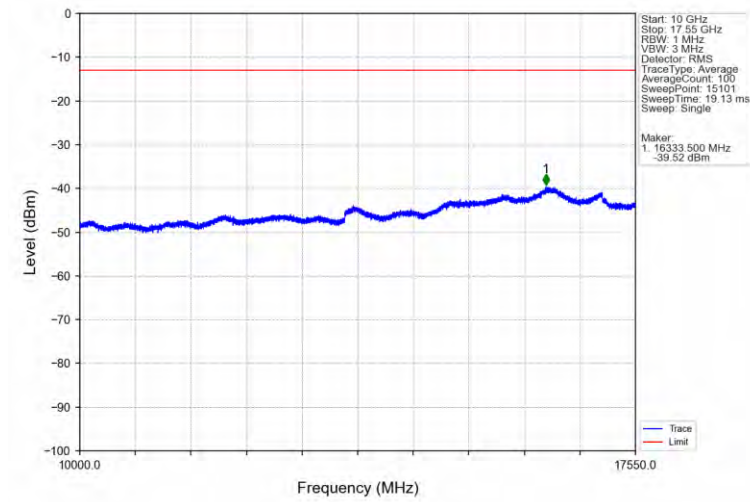


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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

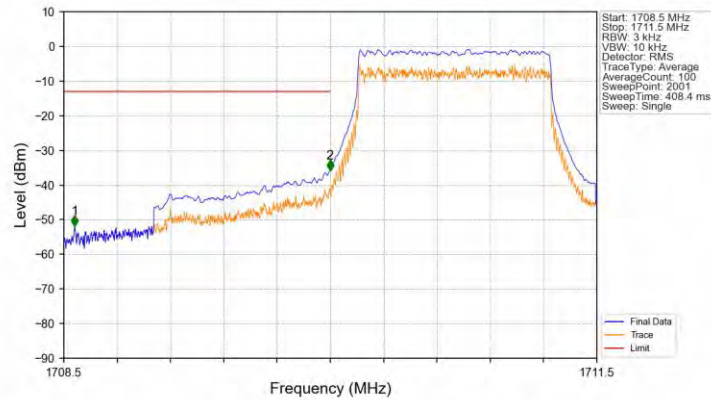


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



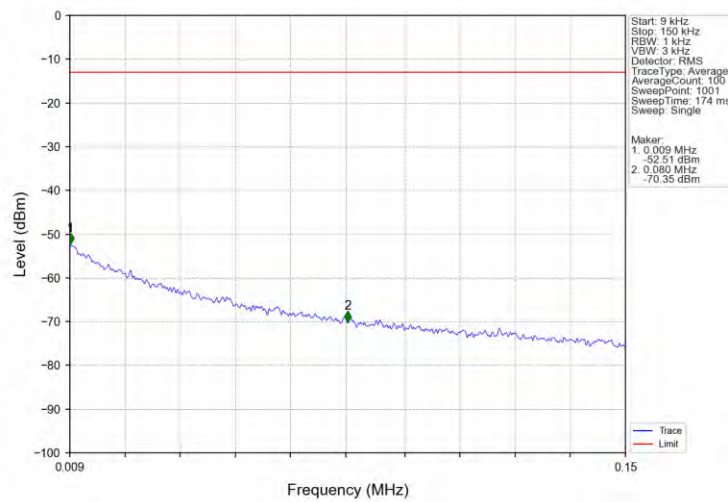
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



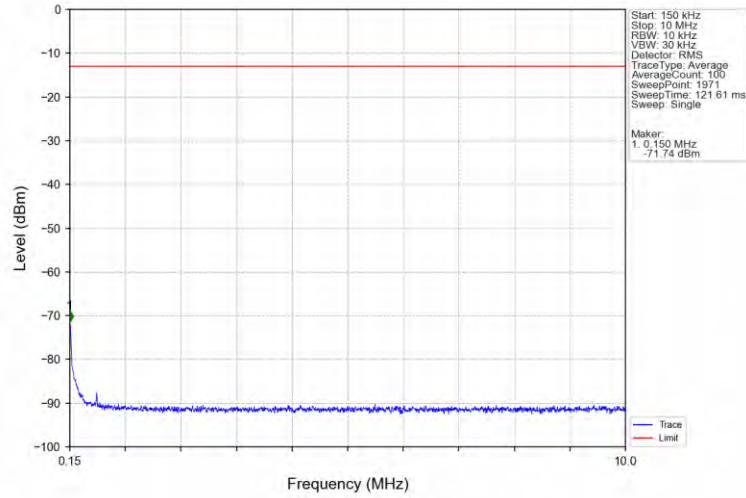
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	/	1	1708.562	-51.83	-13	Pass
1709	1710	0.013	CHP	2	1709.998	-35.91	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

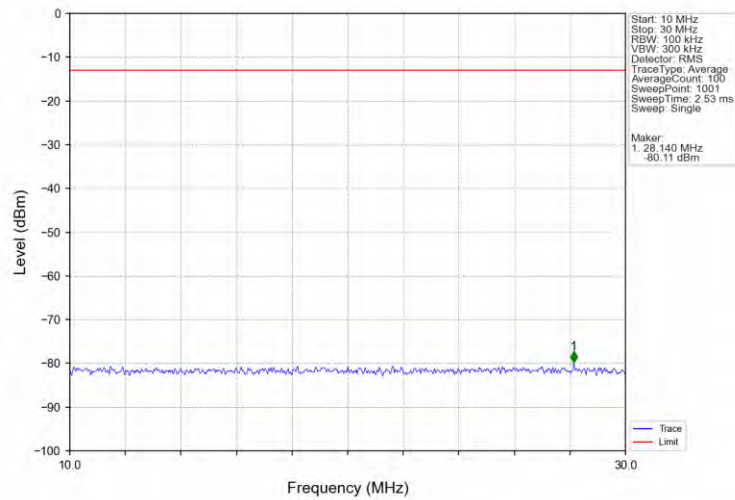


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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

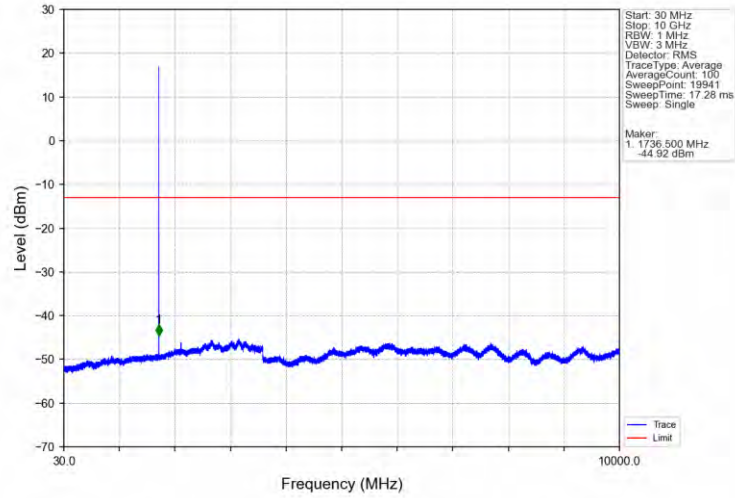


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

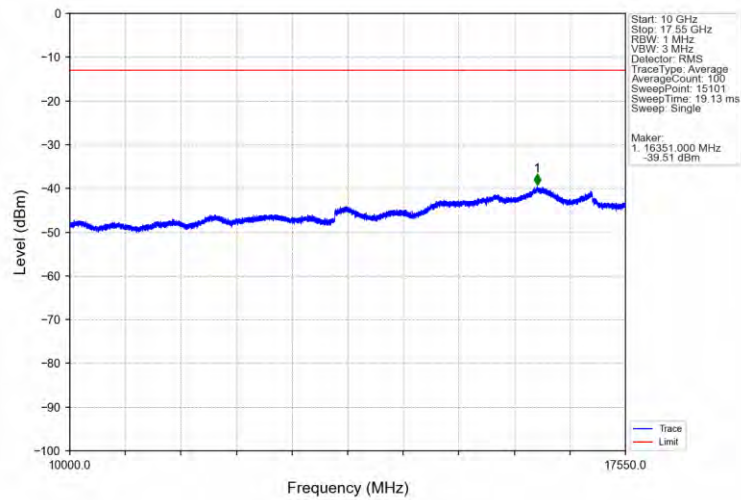


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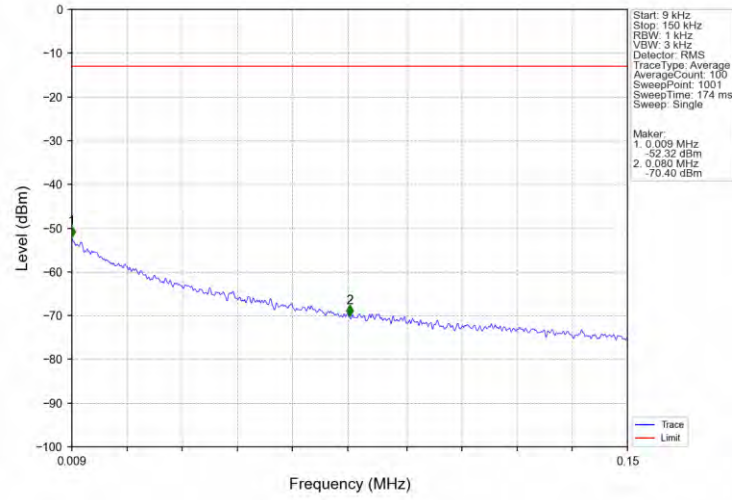
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



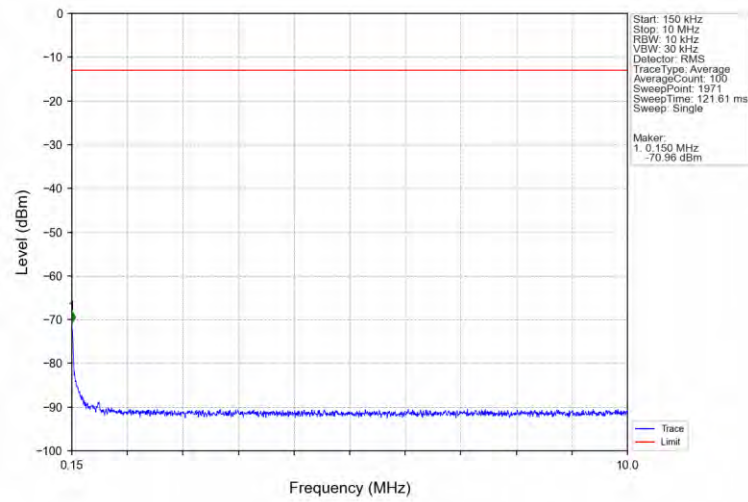
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

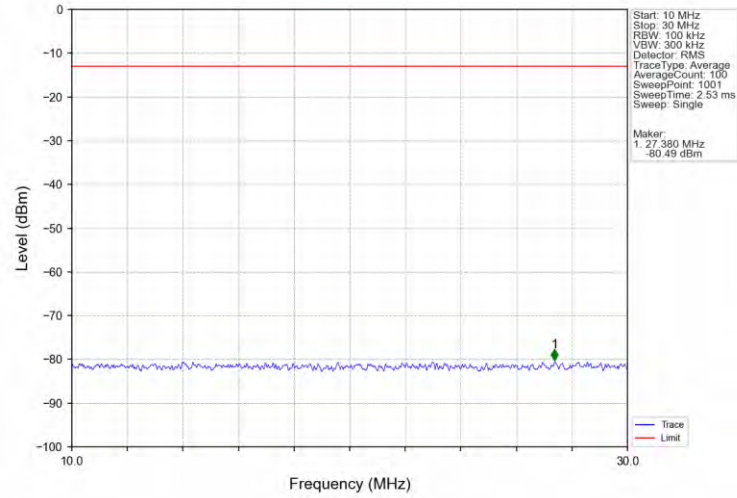


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

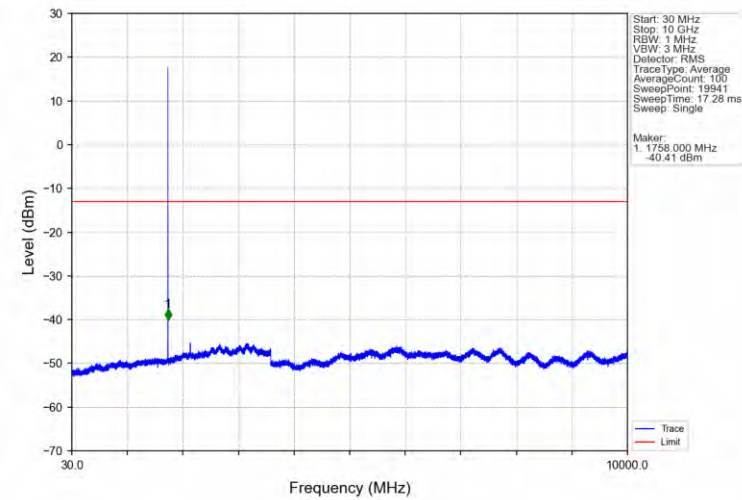


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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

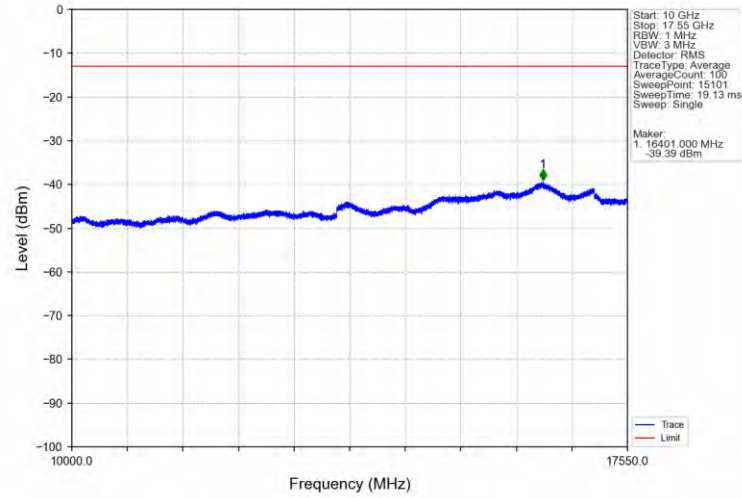


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

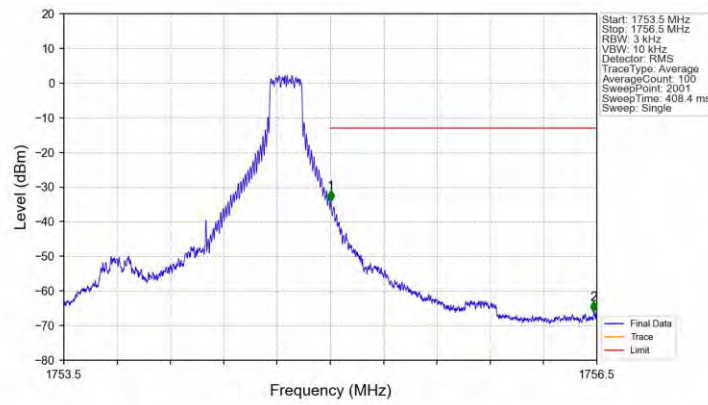


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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

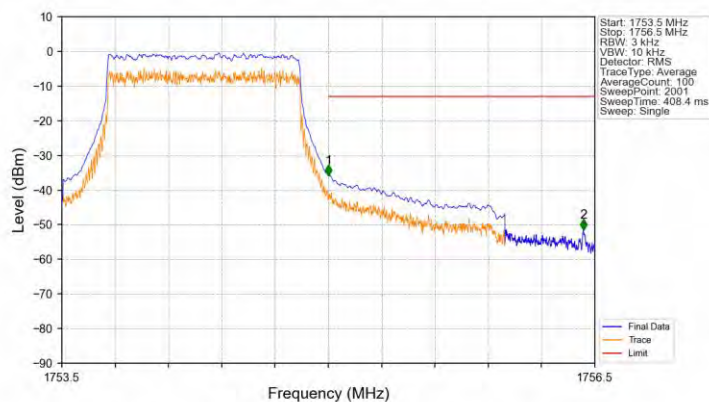


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



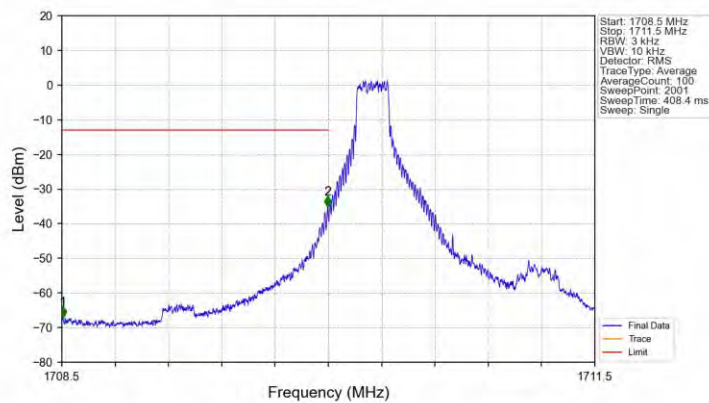
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-34.01	-13	Pass
1756	1758	1	/	2	1756.484	-66.09	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



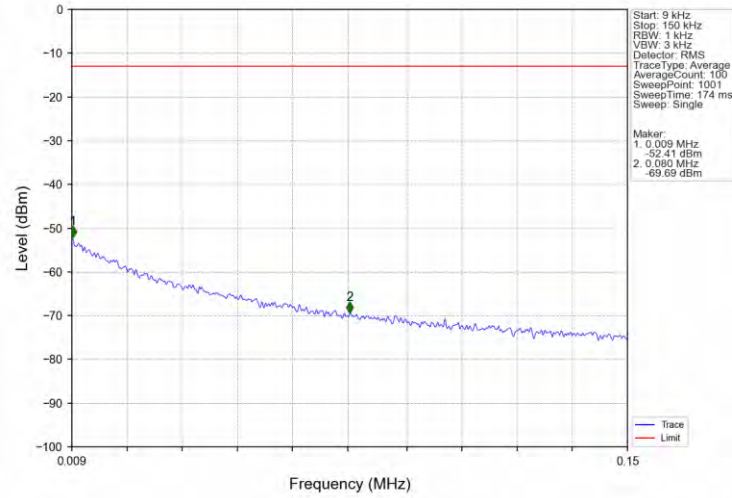
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.002	-35.78	-13	Pass
1756	1758	1	CHP	2	1756.436	-51.43	-13	Pass

Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV

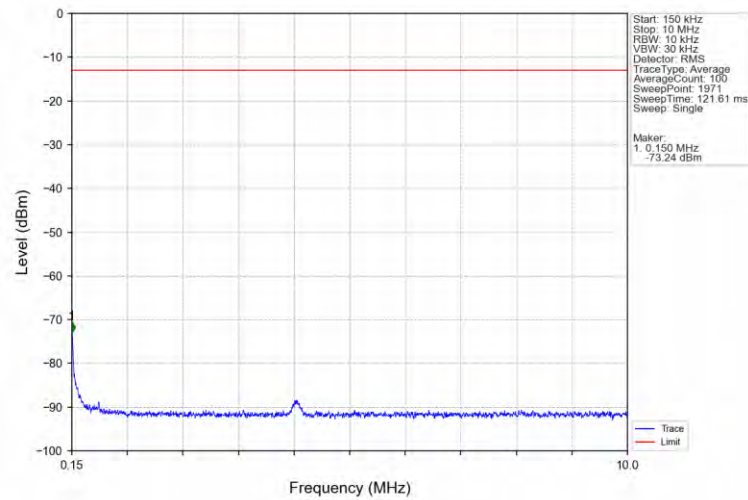


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	/	1	1708.506	-66.96	-13	Pass
1709	1710	0.003	/	2	1709.997	-35.10	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

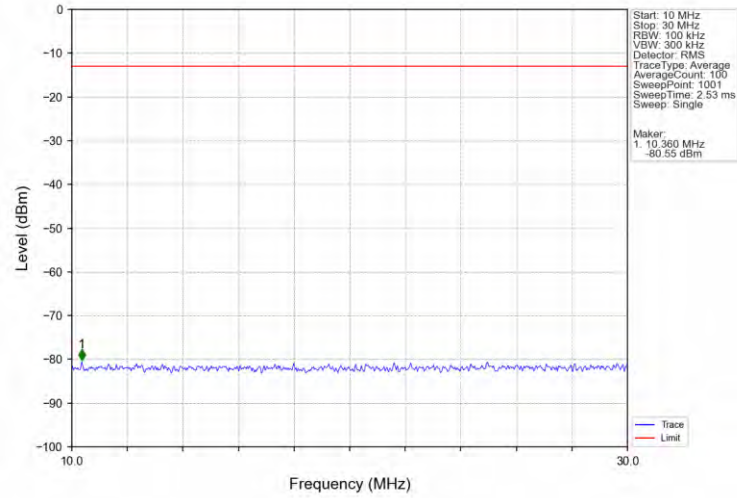


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

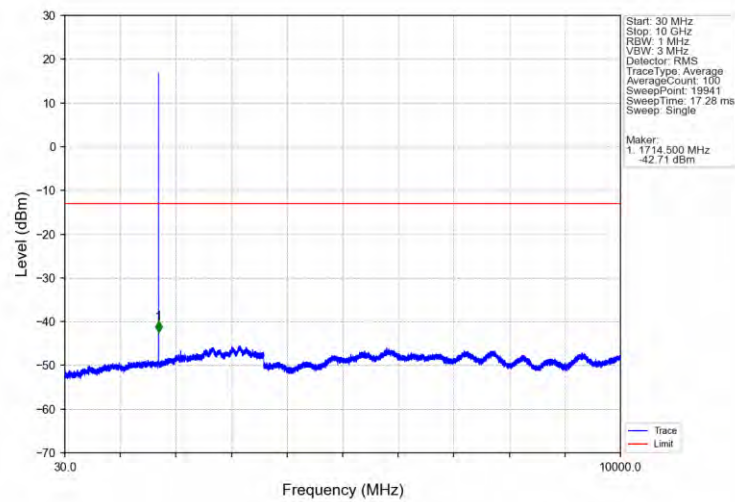


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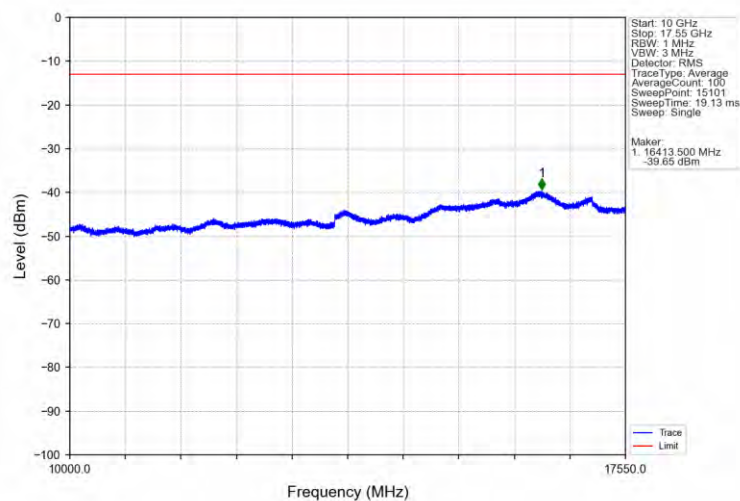
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



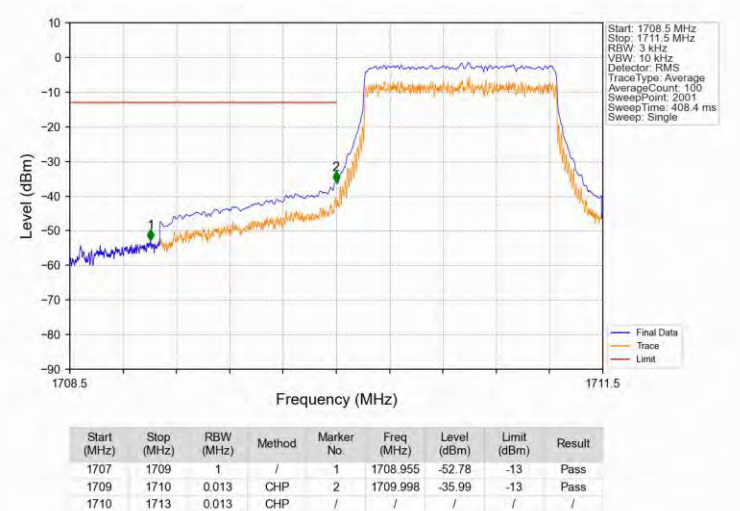
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



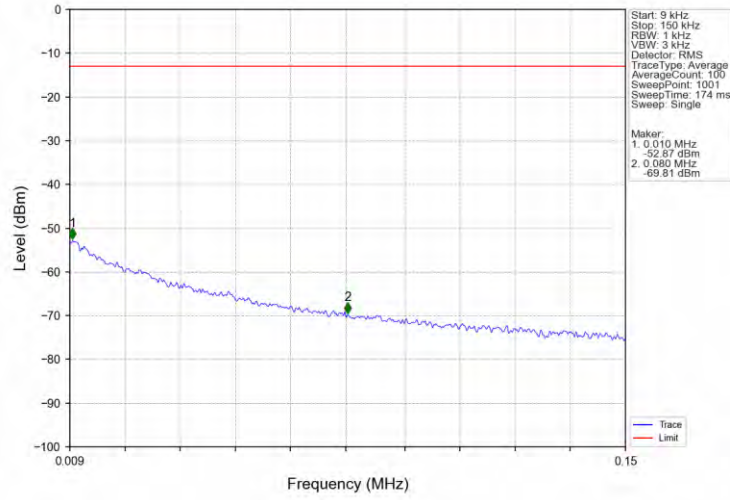
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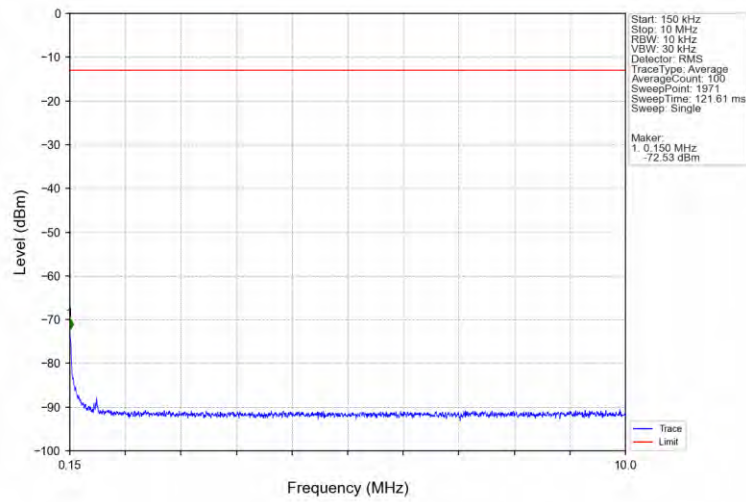
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



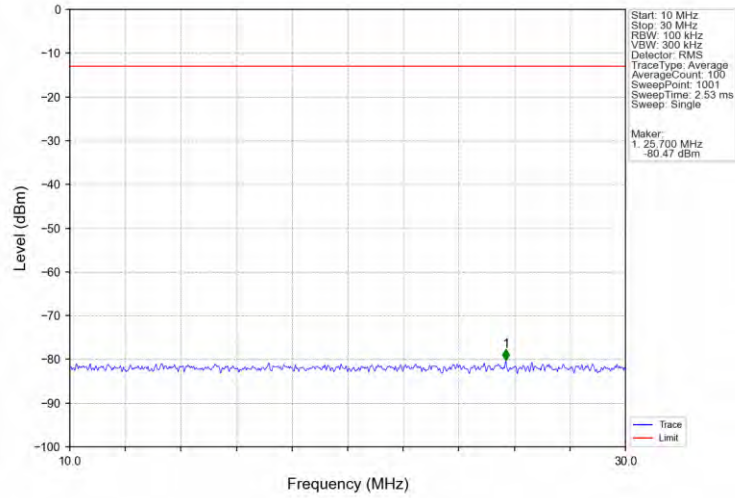
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



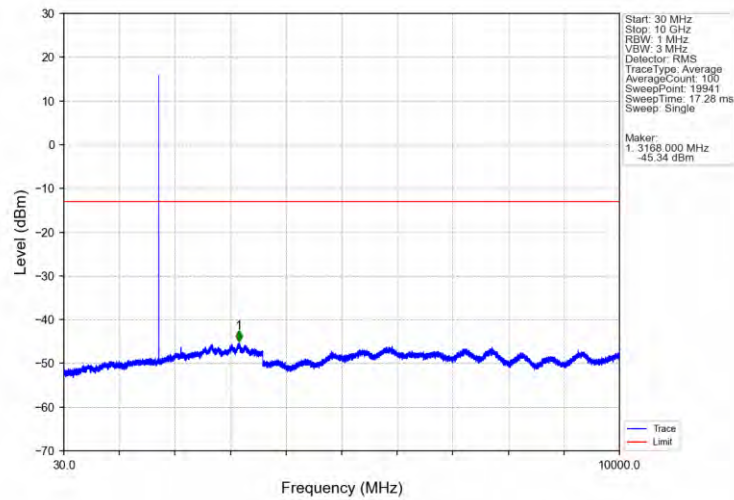
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

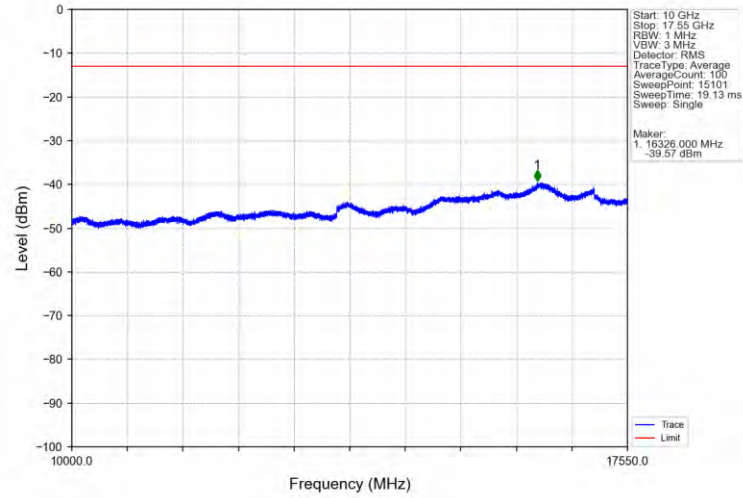


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

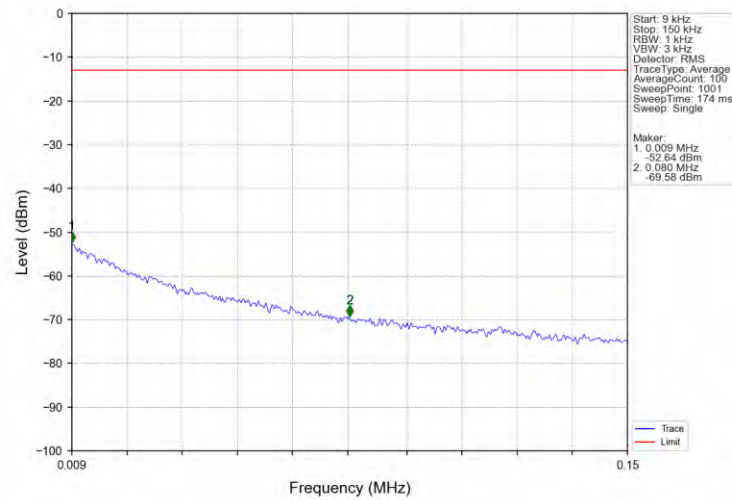


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Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTN

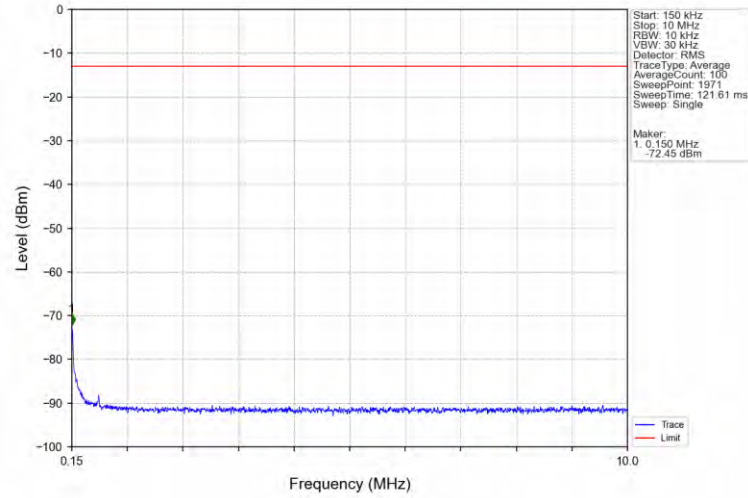


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTN

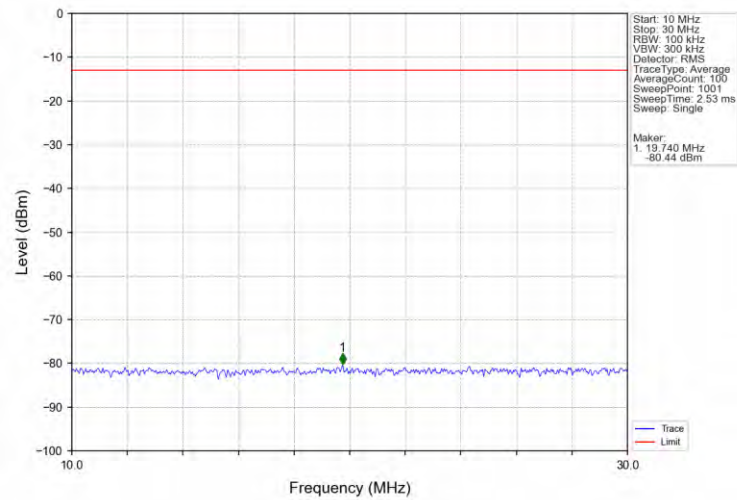


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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

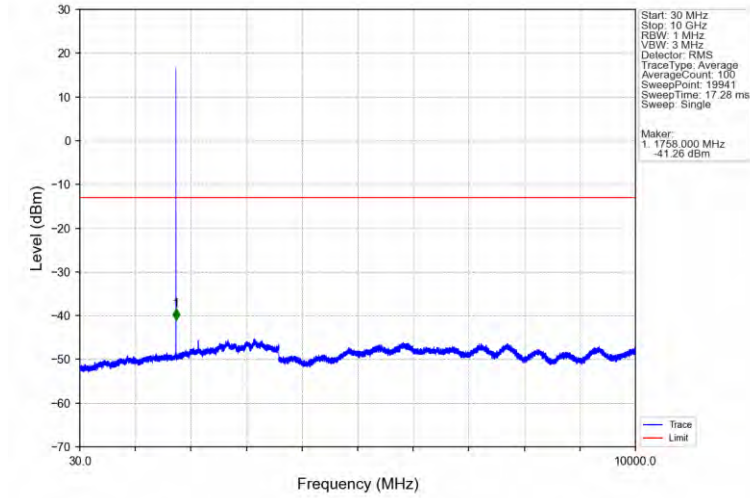


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

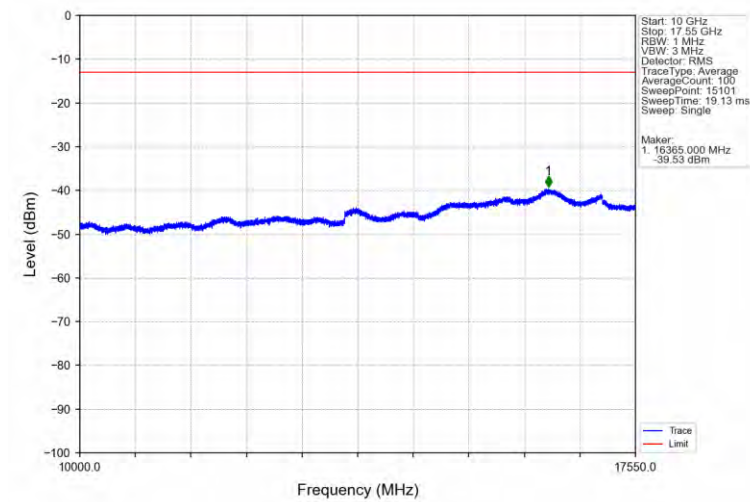


240930017FW6

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

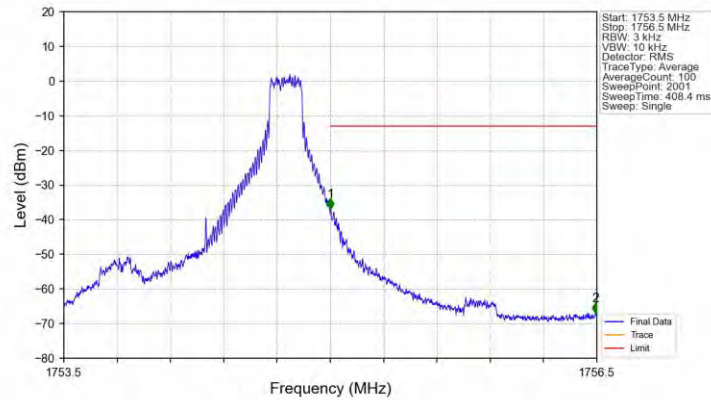


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



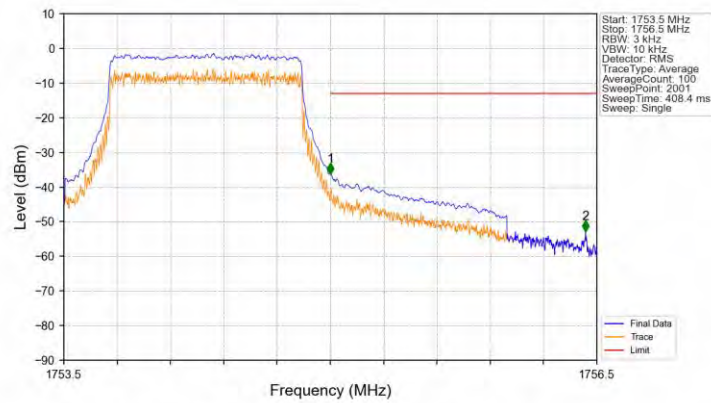
240930017FW6

Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTN



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	-37.04	-13	Pass
1756	1758	1	/	2	1756.493	-66.94	-13	Pass

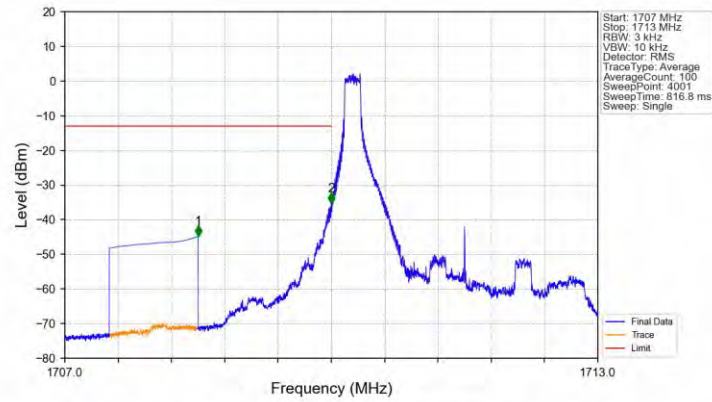
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



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	1755.002	-36.16	-13	Pass
1756	1758	1	CHP	2	1756.437	-52.77	-13	Pass

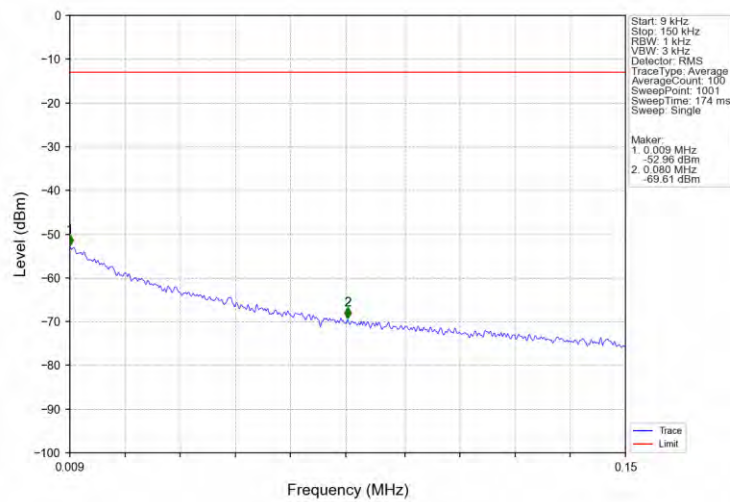
6.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



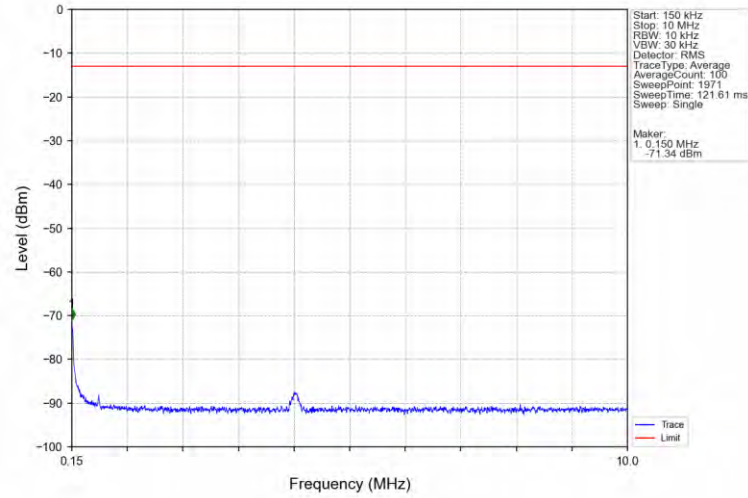
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-44.79	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.27	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

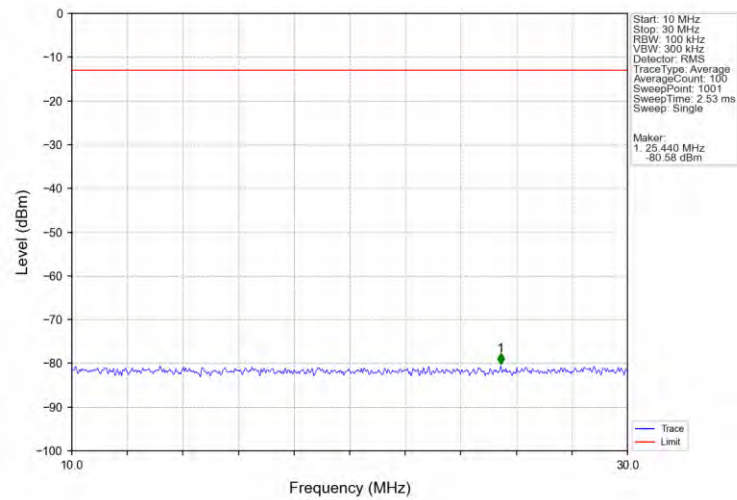


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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

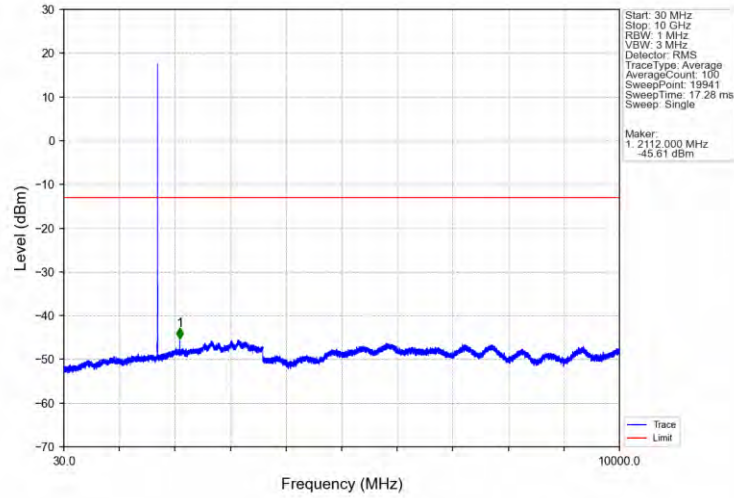


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

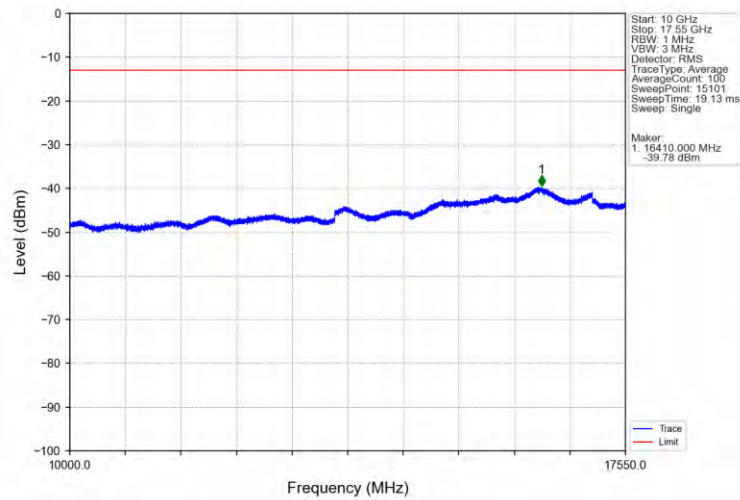


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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

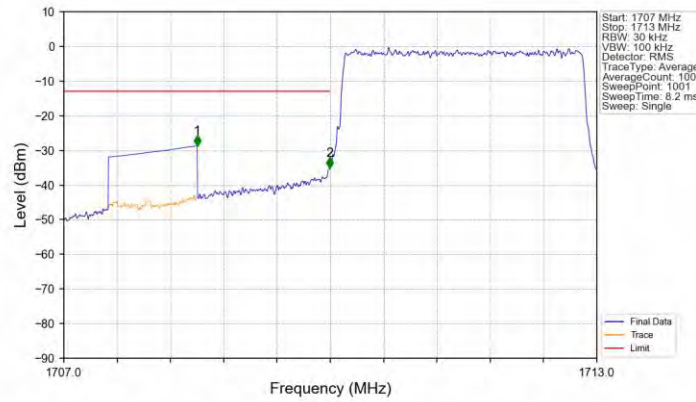


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



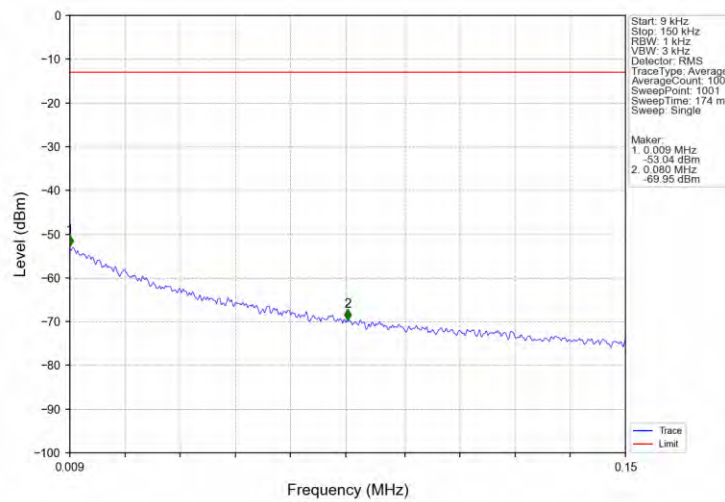
240930017FW6

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



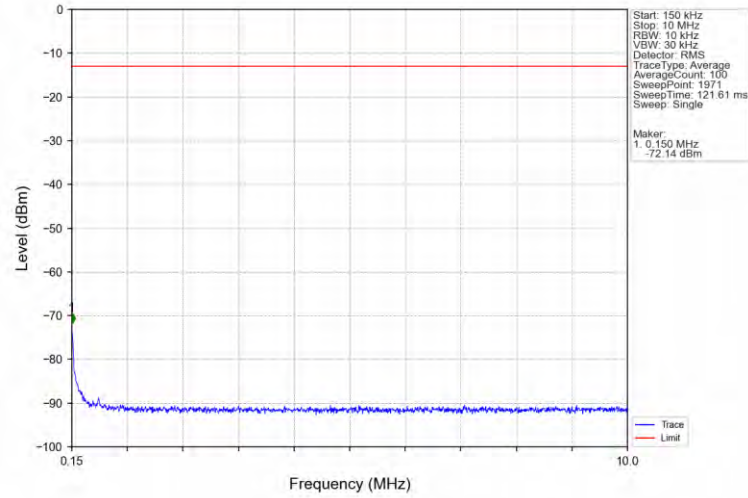
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-28.71	-13	Pass
1709	1710	0.03	/	2	1709.994	-35.13	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

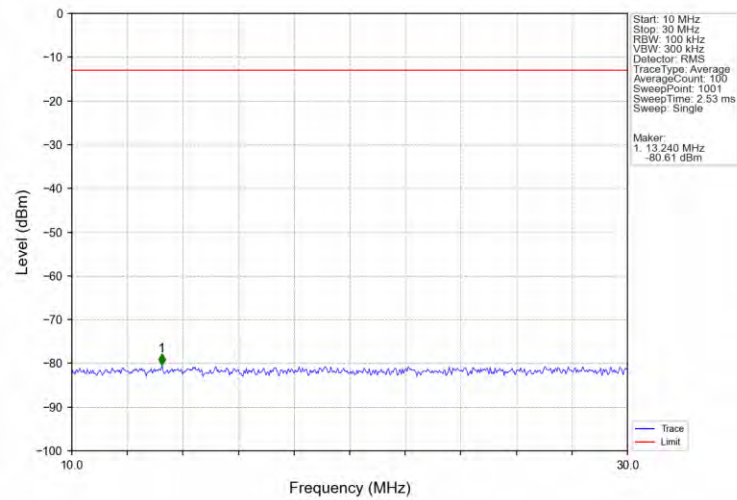


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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

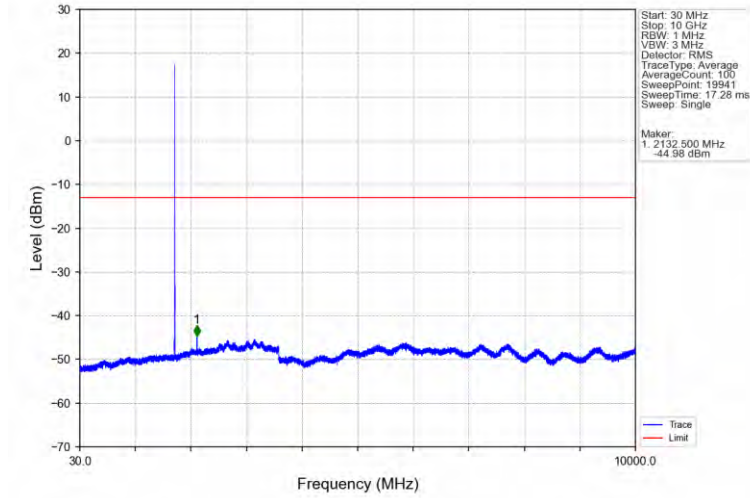


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

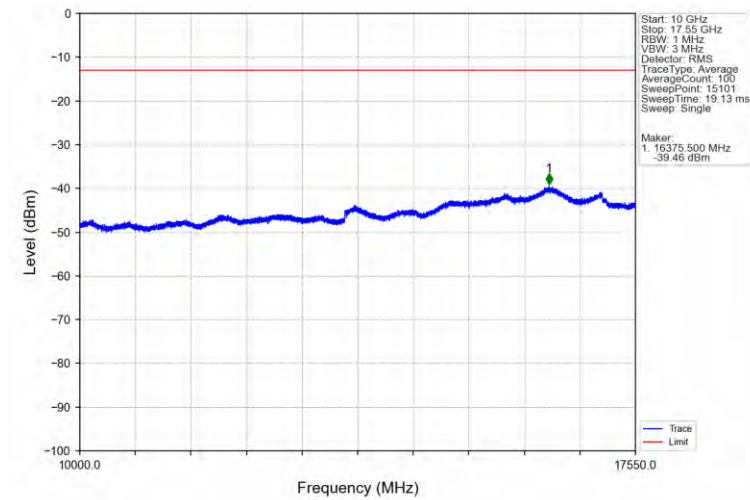


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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

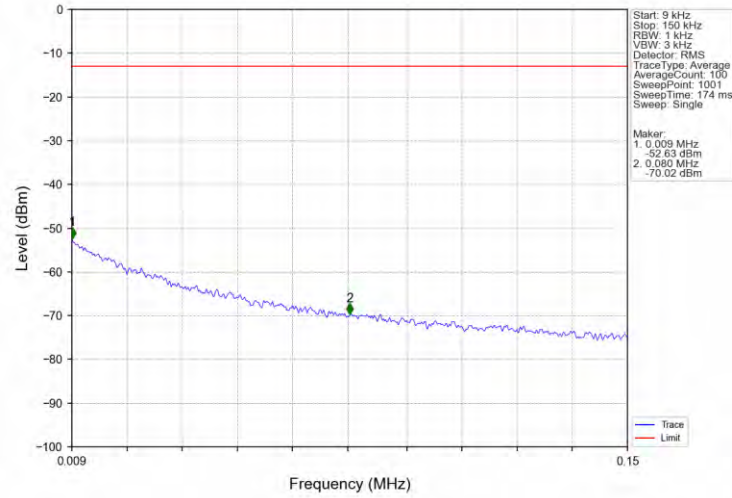


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

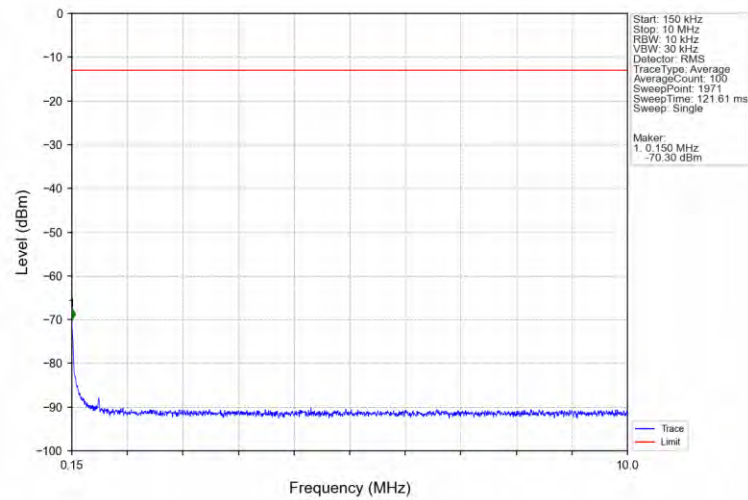


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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

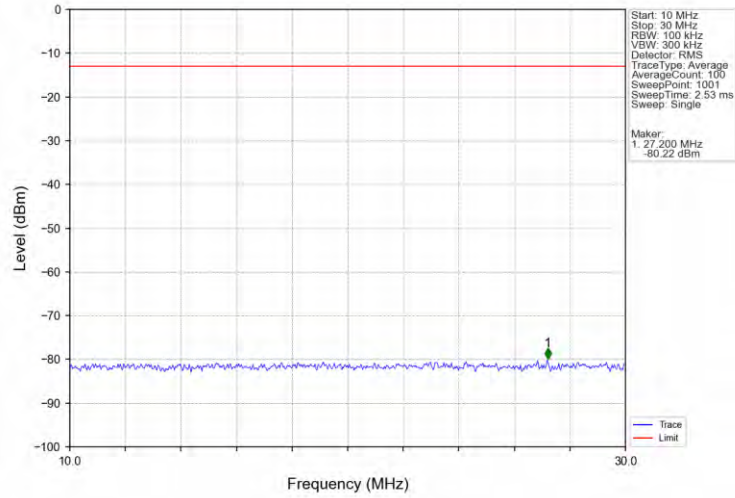


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



240930017FW6

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

