

Contents

1. Effective (Isotropic) Radiated Power Output Data 2

2. Frequency Stability 8

3. 99% & 26dB Bandwidth 10

4. Peak-Average Ratio..... 48

5. Spurious Emission 70

6. Adjacent Channel Leakage Ratio..... 116

7. Field Strength of Spurious Radiation..... 139

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
Band48	5MHz	QPSK	L	1RB0	19.08	22.48	23	PASS
Band48	5MHz	QPSK	L	1RB12	19.13	22.53	23	PASS
Band48	5MHz	QPSK	L	1RB24	19.08	22.48	23	PASS
Band48	5MHz	QPSK	L	25RB0	19.2	22.6	23	PASS
Band48	5MHz	QPSK	M	1RB0	19.05	22.45	23	PASS
Band48	5MHz	QPSK	M	1RB12	19.15	22.55	23	PASS
Band48	5MHz	QPSK	M	1RB24	19.02	22.42	23	PASS
Band48	5MHz	QPSK	M	25RB0	19.22	22.62	23	PASS
Band48	5MHz	QPSK	H	1RB0	19.02	22.42	23	PASS
Band48	5MHz	QPSK	H	1RB12	19.11	22.51	23	PASS
Band48	5MHz	QPSK	H	1RB24	19.04	22.44	23	PASS
Band48	5MHz	QPSK	H	25RB0	19.19	22.59	23	PASS
Band48	5MHz	16QAM	L	1RB0	19.49	22.89	23	PASS
Band48	5MHz	16QAM	L	1RB12	19.5	22.9	23	PASS
Band48	5MHz	16QAM	L	1RB24	19.51	22.91	23	PASS
Band48	5MHz	16QAM	L	25RB0	19.17	22.57	23	PASS
Band48	5MHz	16QAM	M	1RB0	19.36	22.76	23	PASS
Band48	5MHz	16QAM	M	1RB12	19.44	22.84	23	PASS
Band48	5MHz	16QAM	M	1RB24	19.31	22.71	23	PASS
Band48	5MHz	16QAM	M	25RB0	19.12	22.52	23	PASS
Band48	5MHz	16QAM	H	1RB0	19.41	22.81	23	PASS
Band48	5MHz	16QAM	H	1RB12	19.38	22.78	23	PASS

Band48	5MHz	16QAM	H	1RB24	19.46	22.86	23	PASS
Band48	5MHz	16QAM	H	25RB0	19.11	22.51	23	PASS
Band48	5MHz	64QAM	L	1RB0	19.28	22.68	23	PASS
Band48	5MHz	64QAM	L	1RB12	19.28	22.68	23	PASS
Band48	5MHz	64QAM	L	1RB24	19.22	22.62	23	PASS
Band48	5MHz	64QAM	L	25RB0	19.29	22.69	23	PASS
Band48	5MHz	64QAM	M	1RB0	19.14	22.54	23	PASS
Band48	5MHz	64QAM	M	1RB12	19.27	22.67	23	PASS
Band48	5MHz	64QAM	M	1RB24	19.18	22.58	23	PASS
Band48	5MHz	64QAM	M	25RB0	19.23	22.63	23	PASS
Band48	5MHz	64QAM	H	1RB0	19.19	22.59	23	PASS
Band48	5MHz	64QAM	H	1RB12	19.21	22.61	23	PASS
Band48	5MHz	64QAM	H	1RB24	19.13	22.53	23	PASS
Band48	5MHz	64QAM	H	25RB0	19.31	22.71	23	PASS
Band48	10MHz	QPSK	L	1RB0	19.1	22.5	23	PASS
Band48	10MHz	QPSK	L	1RB24	18.67	22.07	23	PASS
Band48	10MHz	QPSK	L	1RB49	18.54	21.94	23	PASS
Band48	10MHz	QPSK	L	50RB0	18.92	22.32	23	PASS
Band48	10MHz	QPSK	M	1RB0	18.64	22.04	23	PASS
Band48	10MHz	QPSK	M	1RB24	18.65	22.05	23	PASS
Band48	10MHz	QPSK	M	1RB49	18.38	21.78	23	PASS
Band48	10MHz	QPSK	M	50RB0	18.53	21.93	23	PASS
Band48	10MHz	QPSK	H	1RB0	18.33	21.73	23	PASS
Band48	10MHz	QPSK	H	1RB24	18.28	21.68	23	PASS
Band48	10MHz	QPSK	H	1RB49	18.08	21.48	23	PASS
Band48	10MHz	QPSK	H	50RB0	18.24	21.64	23	PASS

Band48	10MHz	16QAM	L	1RB0	19.4	22.8	23	PASS
Band48	10MHz	16QAM	L	1RB24	19.18	22.58	23	PASS
Band48	10MHz	16QAM	L	1RB49	18.92	22.32	23	PASS
Band48	10MHz	16QAM	L	50RB0	18.97	22.37	23	PASS
Band48	10MHz	16QAM	M	1RB0	19.09	22.49	23	PASS
Band48	10MHz	16QAM	M	1RB24	19	22.4	23	PASS
Band48	10MHz	16QAM	M	1RB49	18.77	22.17	23	PASS
Band48	10MHz	16QAM	M	50RB0	18.59	21.99	23	PASS
Band48	10MHz	16QAM	H	1RB0	18.69	22.09	23	PASS
Band48	10MHz	16QAM	H	1RB24	18.57	21.97	23	PASS
Band48	10MHz	16QAM	H	1RB49	18.49	21.89	23	PASS
Band48	10MHz	16QAM	H	50RB0	18.32	21.72	23	PASS
Band48	10MHz	64QAM	L	1RB0	19.3	22.7	23	PASS
Band48	10MHz	64QAM	L	1RB24	19.1	22.5	23	PASS
Band48	10MHz	64QAM	L	1RB49	18.92	22.32	23	PASS
Band48	10MHz	64QAM	L	50RB0	18.97	22.37	23	PASS
Band48	10MHz	64QAM	M	1RB0	19.05	22.45	23	PASS
Band48	10MHz	64QAM	M	1RB24	18.95	22.35	23	PASS
Band48	10MHz	64QAM	M	1RB49	18.71	22.11	23	PASS
Band48	10MHz	64QAM	M	50RB0	18.65	22.05	23	PASS
Band48	10MHz	64QAM	H	1RB0	18.72	22.12	23	PASS
Band48	10MHz	64QAM	H	1RB24	18.59	21.99	23	PASS
Band48	10MHz	64QAM	H	1RB49	18.41	21.81	23	PASS
Band48	10MHz	64QAM	H	50RB0	18.29	21.69	23	PASS
Band48	15MHz	QPSK	L	1RB0	19.03	22.43	23	PASS
Band48	15MHz	QPSK	L	1RB38	18.7	22.1	23	PASS

Band48	15MHz	QPSK	L	1RB74	18.53	21.93	23	PASS
Band48	15MHz	QPSK	L	75RB0	18.93	22.33	23	PASS
Band48	15MHz	QPSK	M	1RB0	18.82	22.22	23	PASS
Band48	15MHz	QPSK	M	1RB38	18.54	21.94	23	PASS
Band48	15MHz	QPSK	M	1RB74	18.37	21.77	23	PASS
Band48	15MHz	QPSK	M	75RB0	18.67	22.07	23	PASS
Band48	15MHz	QPSK	H	1RB0	18.56	21.96	23	PASS
Band48	15MHz	QPSK	H	1RB38	18.18	21.58	23	PASS
Band48	15MHz	QPSK	H	1RB74	18.1	21.5	23	PASS
Band48	15MHz	QPSK	H	75RB0	18.36	21.76	23	PASS
Band48	15MHz	16QAM	L	1RB0	19.27	22.67	23	PASS
Band48	15MHz	16QAM	L	1RB38	19.08	22.48	23	PASS
Band48	15MHz	16QAM	L	1RB74	18.8	22.2	23	PASS
Band48	15MHz	16QAM	L	75RB0	18.94	22.34	23	PASS
Band48	15MHz	16QAM	M	1RB0	19.19	22.59	23	PASS
Band48	15MHz	16QAM	M	1RB38	18.97	22.37	23	PASS
Band48	15MHz	16QAM	M	1RB74	18.6	22	23	PASS
Band48	15MHz	16QAM	M	75RB0	18.69	22.09	23	PASS
Band48	15MHz	16QAM	H	1RB0	18.9	22.3	23	PASS
Band48	15MHz	16QAM	H	1RB38	18.52	21.92	23	PASS
Band48	15MHz	16QAM	H	1RB74	18.19	21.59	23	PASS
Band48	15MHz	16QAM	H	75RB0	18.38	21.78	23	PASS
Band48	15MHz	64QAM	L	1RB0	19.31	22.71	23	PASS
Band48	15MHz	64QAM	L	1RB38	19.13	22.53	23	PASS
Band48	15MHz	64QAM	L	1RB74	18.85	22.25	23	PASS
Band48	15MHz	64QAM	L	75RB0	18.95	22.35	23	PASS

Band48	15MHz	64QAM	M	1RB0	19.11	22.51	23	PASS
Band48	15MHz	64QAM	M	1RB38	19.05	22.45	23	PASS
Band48	15MHz	64QAM	M	1RB74	18.63	22.03	23	PASS
Band48	15MHz	64QAM	M	75RB0	18.73	22.13	23	PASS
Band48	15MHz	64QAM	H	1RB0	18.88	22.28	23	PASS
Band48	15MHz	64QAM	H	1RB38	18.65	22.05	23	PASS
Band48	15MHz	64QAM	H	1RB74	18.41	21.81	23	PASS
Band48	15MHz	64QAM	H	75RB0	18.46	21.86	23	PASS
Band48	20MHz	QPSK	L	1RB0	18.8	22.2	23	PASS
Band48	20MHz	QPSK	L	1RB49	18.53	21.93	23	PASS
Band48	20MHz	QPSK	L	1RB99	18.36	21.76	23	PASS
Band48	20MHz	QPSK	L	100RB0	18.69	22.09	23	PASS
Band48	20MHz	QPSK	M	1RB0	18.7	22.1	23	PASS
Band48	20MHz	QPSK	M	1RB49	18.37	21.77	23	PASS
Band48	20MHz	QPSK	M	1RB99	18.1	21.5	23	PASS
Band48	20MHz	QPSK	M	100RB0	18.55	21.95	23	PASS
Band48	20MHz	QPSK	H	1RB0	18.45	21.85	23	PASS
Band48	20MHz	QPSK	H	1RB49	18.28	21.68	23	PASS
Band48	20MHz	QPSK	H	1RB99	18.22	21.62	23	PASS
Band48	20MHz	QPSK	H	100RB0	18.49	21.89	23	PASS
Band48	20MHz	16QAM	L	1RB0	19.22	22.62	23	PASS
Band48	20MHz	16QAM	L	1RB49	18.91	22.31	23	PASS
Band48	20MHz	16QAM	L	1RB99	18.69	22.09	23	PASS
Band48	20MHz	16QAM	L	100RB0	18.68	22.08	23	PASS
Band48	20MHz	16QAM	M	1RB0	19.04	22.44	23	PASS
Band48	20MHz	16QAM	M	1RB49	19.19	22.59	23	PASS

Band48	20MHz	16QAM	M	1RB99	18.37	21.77	23	PASS
Band48	20MHz	16QAM	M	100RB0	18.54	21.94	23	PASS
Band48	20MHz	16QAM	H	1RB0	18.77	22.17	23	PASS
Band48	20MHz	16QAM	H	1RB49	18.69	22.09	23	PASS
Band48	20MHz	16QAM	H	1RB99	18.45	21.85	23	PASS
Band48	20MHz	16QAM	H	100RB0	18.48	21.88	23	PASS
Band48	20MHz	64QAM	L	1RB0	19.13	22.53	23	PASS
Band48	20MHz	64QAM	L	1RB49	18.84	22.24	23	PASS
Band48	20MHz	64QAM	L	1RB99	18.62	22.02	23	PASS
Band48	20MHz	64QAM	L	100RB0	18.67	22.07	23	PASS
Band48	20MHz	64QAM	M	1RB0	19.01	22.41	23	PASS
Band48	20MHz	64QAM	M	1RB49	18.78	22.18	23	PASS
Band48	20MHz	64QAM	M	1RB99	18.47	21.87	23	PASS
Band48	20MHz	64QAM	M	100RB0	18.58	21.98	23	PASS
Band48	20MHz	64QAM	H	1RB0	18.82	22.22	23	PASS
Band48	20MHz	64QAM	H	1RB49	18.68	22.08	23	PASS
Band48	20MHz	64QAM	H	1RB99	18.42	21.82	23	PASS
Band48	20MHz	64QAM	H	100RB0	18.5	21.9	23	PASS

2. Frequency Stability

2.4 B48_20MHz

2.4.1 Test Result

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	3.27	-2.262	-0.0006	-2.5 to 2.5	Pass
					3.85	-4.051	-0.0011	-2.5 to 2.5	Pass
					4.43	0.401	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.657	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.775	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.069	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.736	0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.171	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.532	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.755	-0.0002	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	3.855	0.0011	-2.5 to 2.5	Pass
					3.85	4.611	0.0013	-2.5 to 2.5	Pass
					4.43	0.709	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.651	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.412	0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.928	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.449	-0.0001	-2.5 to 2.5	Pass
				10	3.85	3.389	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.357	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.188	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.525	0.0010	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-0.888	-0.0002	-2.5 to 2.5	Pass
					3.85	-2.331	-0.0006	-2.5 to 2.5	Pass
					4.43	2.725	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.355	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.443	0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.570	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.190	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.965	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.533	0.0001	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	3.27	1.786	0.0005	-2.5 to 2.5	Pass
					3.85	-3.012	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.990	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.959	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.035	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.190	-0.0012	-2.5 to 2.5	Pass
				0	3.85	0.962	0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.210	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.395	0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.091	-0.0006	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	1.910	0.0005	-2.5 to 2.5	Pass
					3.85	4.187	0.0012	-2.5 to 2.5	Pass
					4.43	0.678	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.640	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.851	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.595	0.0004	-2.5 to 2.5	Pass

				0	3.85	1.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.928	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.253	0.0012	-2.5 to 2.5	Pass
				50	3.85	4.262	0.0012	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	1.299	0.0004	-2.5 to 2.5	Pass
					3.85	1.628	0.0004	-2.5 to 2.5	Pass
					4.43	2.884	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.251	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.436	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.729	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.486	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.989	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.537	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.831	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.822	-0.0002	-2.5 to 2.5	Pass
64QAM	3560	100	0	20	3.27	1.622	0.0005	-2.5 to 2.5	Pass
					3.85	-2.291	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.359	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.411	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.040	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.754	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.284	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.051	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.598	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.959	0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.002	-0.0008	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	1.872	0.0005	-2.5 to 2.5	Pass
					3.85	0.066	0.0000	-2.5 to 2.5	Pass
					4.43	4.065	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.248	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.302	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.299	-0.0004	-2.5 to 2.5	Pass
				0	3.85	4.743	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.445	0.0001	-2.5 to 2.5	Pass
				30	3.85	4.743	0.0013	-2.5 to 2.5	Pass
				40	3.85	3.741	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.899	0.0005	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	2.021	0.0005	-2.5 to 2.5	Pass
					3.85	0.635	0.0002	-2.5 to 2.5	Pass
					4.43	-2.487	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.356	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.549	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.199	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.121	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.299	0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.962	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.567	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.115	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band48_OBW

3.1.1 Test Result

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.569	/	Pass
		3625	25	0	4.568	/	Pass
		3697.5	25	0	4.566	/	Pass
	16QAM	3552.5	25	0	4.567	/	Pass
		3625	25	0	4.559	/	Pass
		3697.5	25	0	4.558	/	Pass
	64QAM	3552.5	25	0	4.574	/	Pass
		3625	25	0	4.538	/	Pass
		3697.5	25	0	4.549	/	Pass
10	QPSK	3555	50	0	9.058	/	Pass
		3625	50	0	9.042	/	Pass
		3695	50	0	9.078	/	Pass
	16QAM	3555	50	0	9.082	/	Pass
		3625	50	0	9.072	/	Pass
		3695	50	0	9.078	/	Pass
	64QAM	3555	50	0	9.051	/	Pass
		3625	50	0	9.033	/	Pass
		3695	50	0	9.041	/	Pass
15	QPSK	3557.5	75	0	13.618	/	Pass
		3625	75	0	13.640	/	Pass
		3692.5	75	0	13.595	/	Pass
	16QAM	3557.5	75	0	13.637	/	Pass
		3625	75	0	13.546	/	Pass
		3692.5	75	0	13.611	/	Pass
	64QAM	3557.5	75	0	13.603	/	Pass
		3625	75	0	13.567	/	Pass
		3692.5	75	0	13.561	/	Pass
20	QPSK	3560	100	0	18.142	/	Pass
		3625	100	0	18.057	/	Pass
		3690	100	0	18.117	/	Pass
	16QAM	3560	100	0	18.161	/	Pass
		3625	100	0	18.041	/	Pass
		3690	100	0	18.045	/	Pass
	64QAM	3560	100	0	18.129	/	Pass
		3625	100	0	18.023	/	Pass
		3690	100	0	18.083	/	Pass

3.2 Band48_XDB

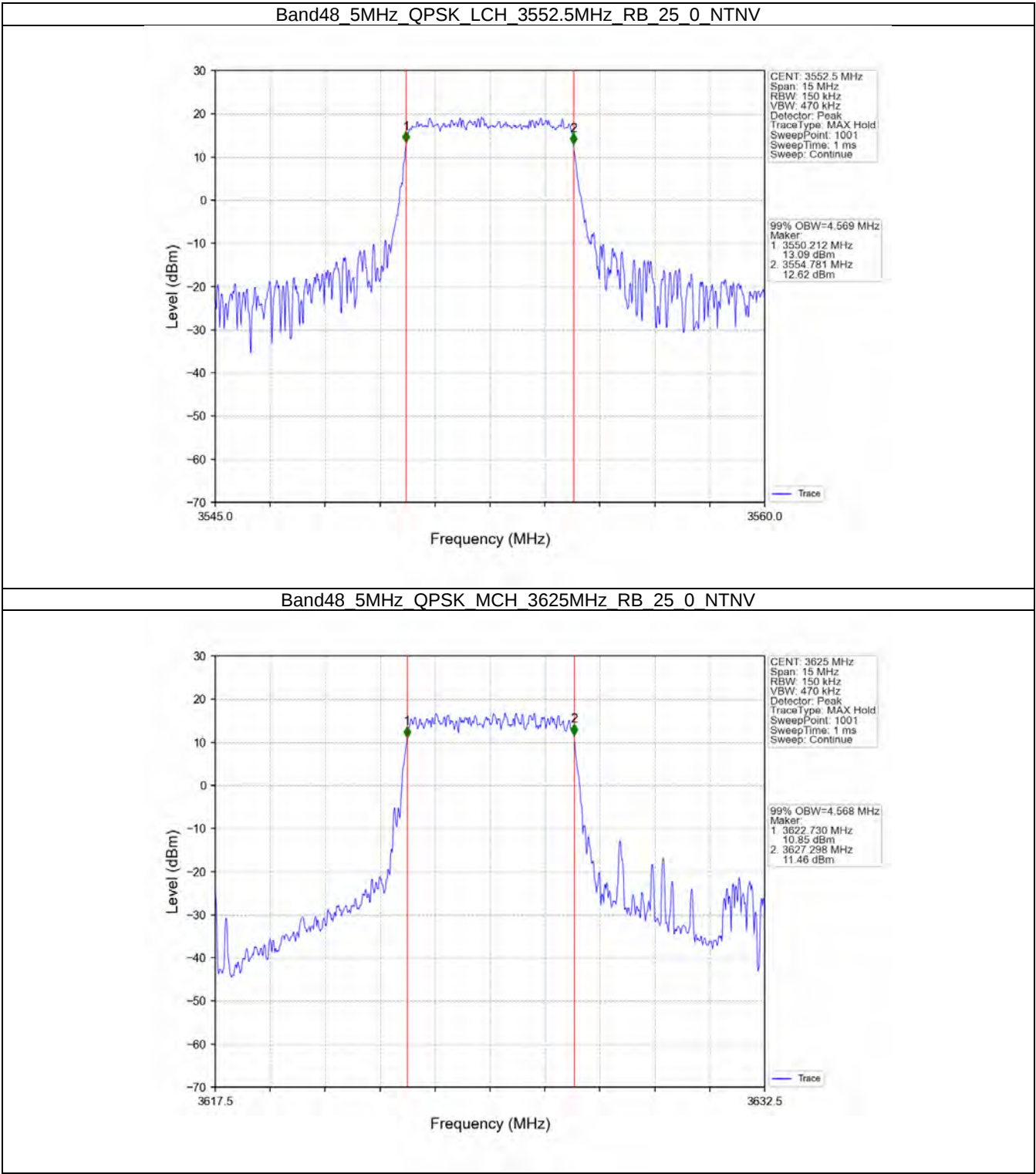
3.2.1 Test Result

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.256	/	Pass
		3625	25	0	5.172	/	Pass
		3697.5	25	0	5.090	/	Pass

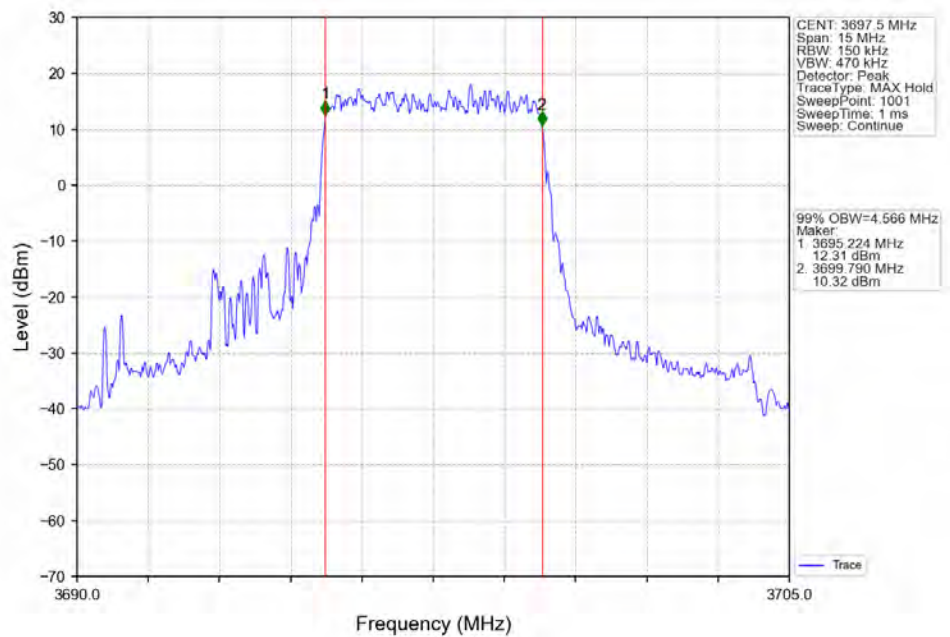
	16QAM	3552.5	25	0	5.452	/	Pass
		3625	25	0	5.120	/	Pass
		3697.5	25	0	5.100	/	Pass
	64QAM	3552.5	25	0	5.257	/	Pass
		3625	25	0	5.449	/	Pass
		3697.5	25	0	5.100	/	Pass
10	QPSK	3555	50	0	10.182	/	Pass
		3625	50	0	9.895	/	Pass
		3695	50	0	11.427	/	Pass
	16QAM	3555	50	0	10.244	/	Pass
		3625	50	0	10.052	/	Pass
		3695	50	0	10.010	/	Pass
	64QAM	3555	50	0	10.862	/	Pass
		3625	50	0	9.942	/	Pass
		3695	50	0	10.013	/	Pass
15	QPSK	3557.5	75	0	16.254	/	Pass
		3625	75	0	14.904	/	Pass
		3692.5	75	0	14.949	/	Pass
	16QAM	3557.5	75	0	15.563	/	Pass
		3625	75	0	14.986	/	Pass
		3692.5	75	0	15.229	/	Pass
	64QAM	3557.5	75	0	16.397	/	Pass
		3625	75	0	14.906	/	Pass
		3692.5	75	0	15.119	/	Pass
20	QPSK	3560	100	0	20.167	/	Pass
		3625	100	0	19.839	/	Pass
		3690	100	0	19.851	/	Pass
	16QAM	3560	100	0	20.885	/	Pass
		3625	100	0	19.777	/	Pass
		3690	100	0	19.659	/	Pass
	64QAM	3560	100	0	20.034	/	Pass
		3625	100	0	19.889	/	Pass
		3690	100	0	19.957	/	Pass

3.1 Band48_OBW

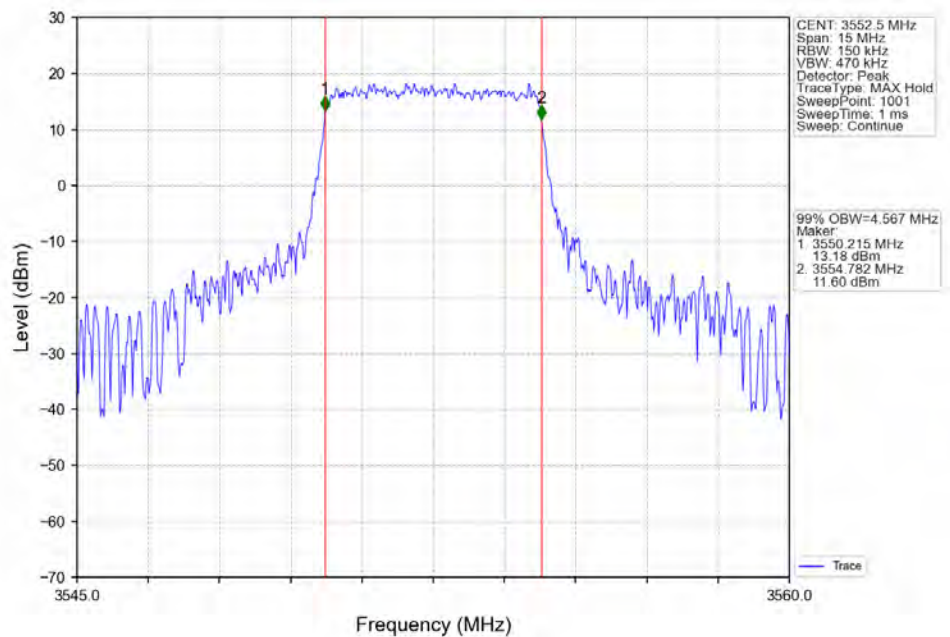
3.1.2 Test Graph



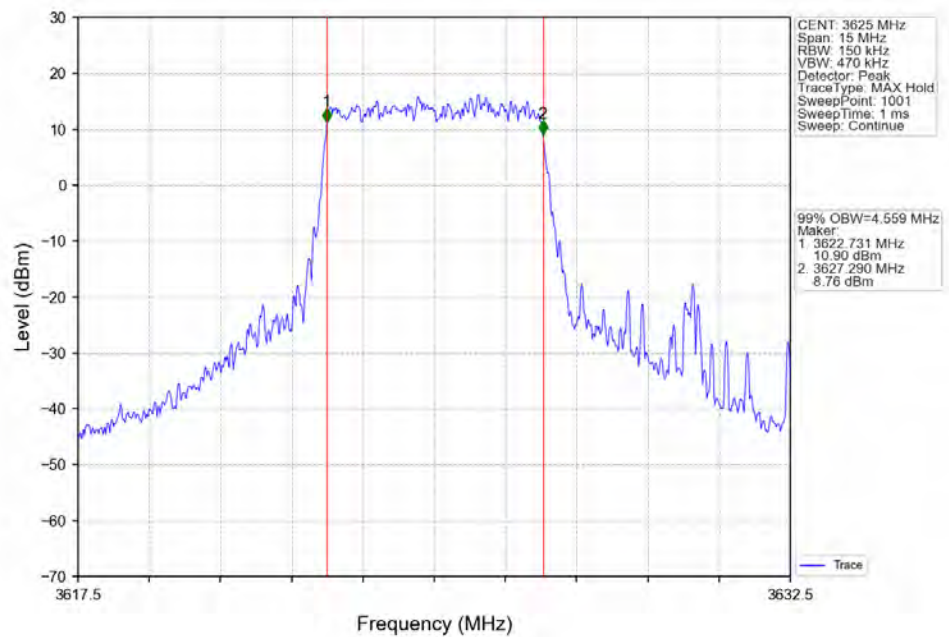
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV



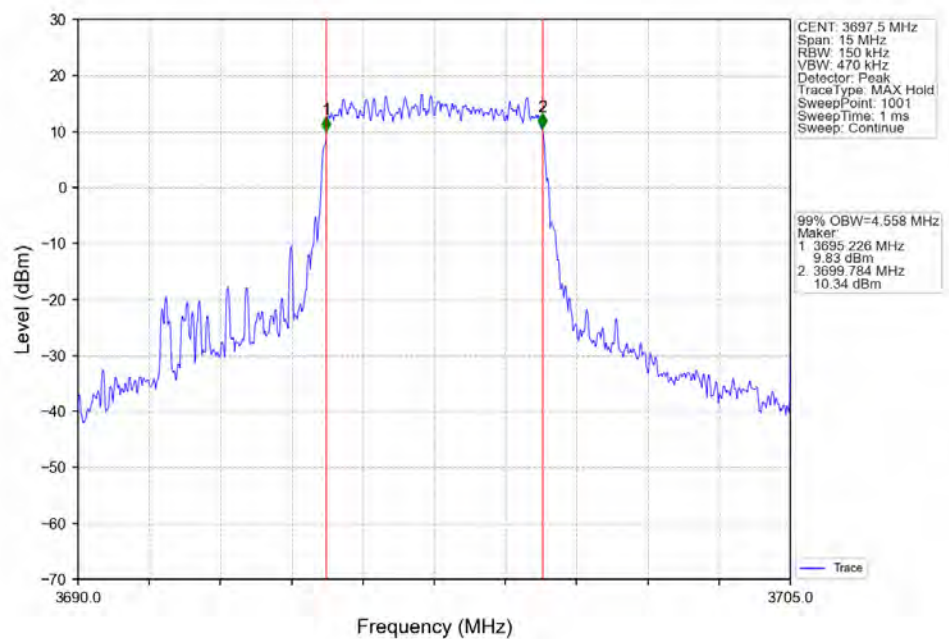
Band48 5MHz 16QAM LCH 3552.5MHz RB 25 0 NTNV

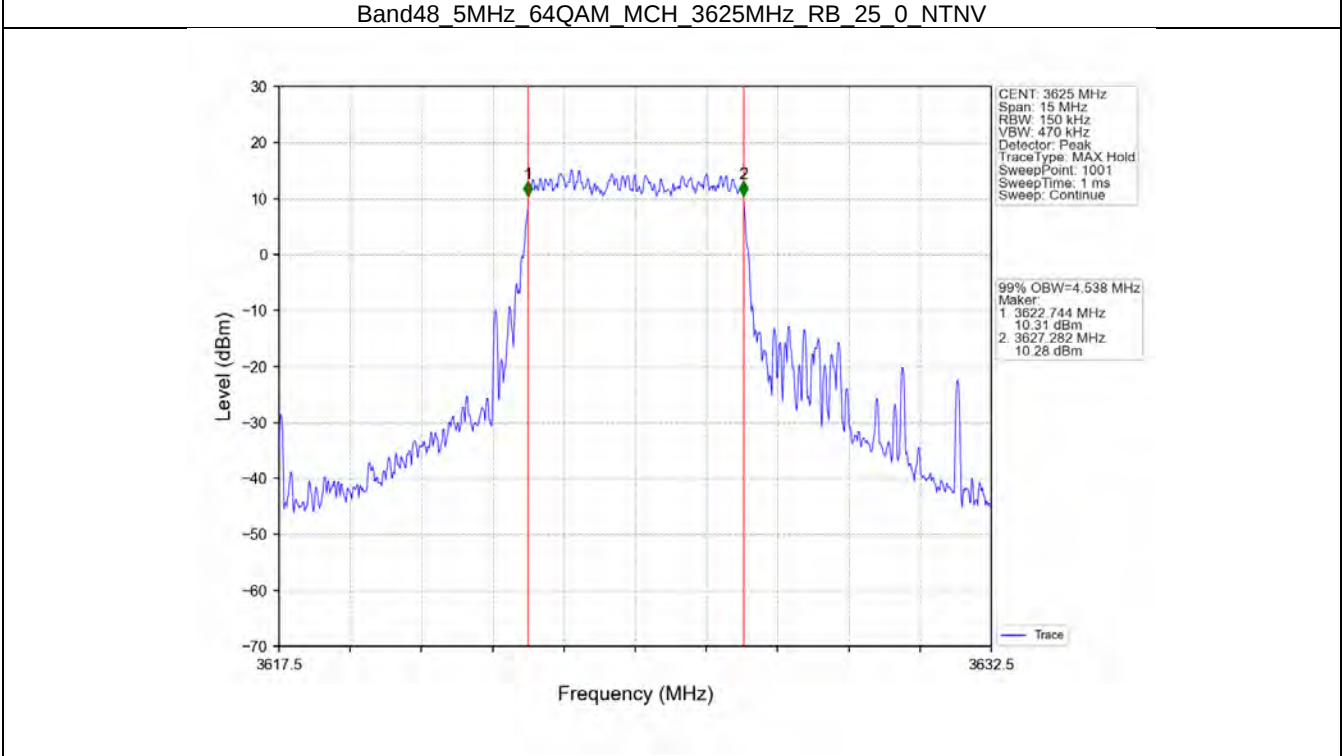
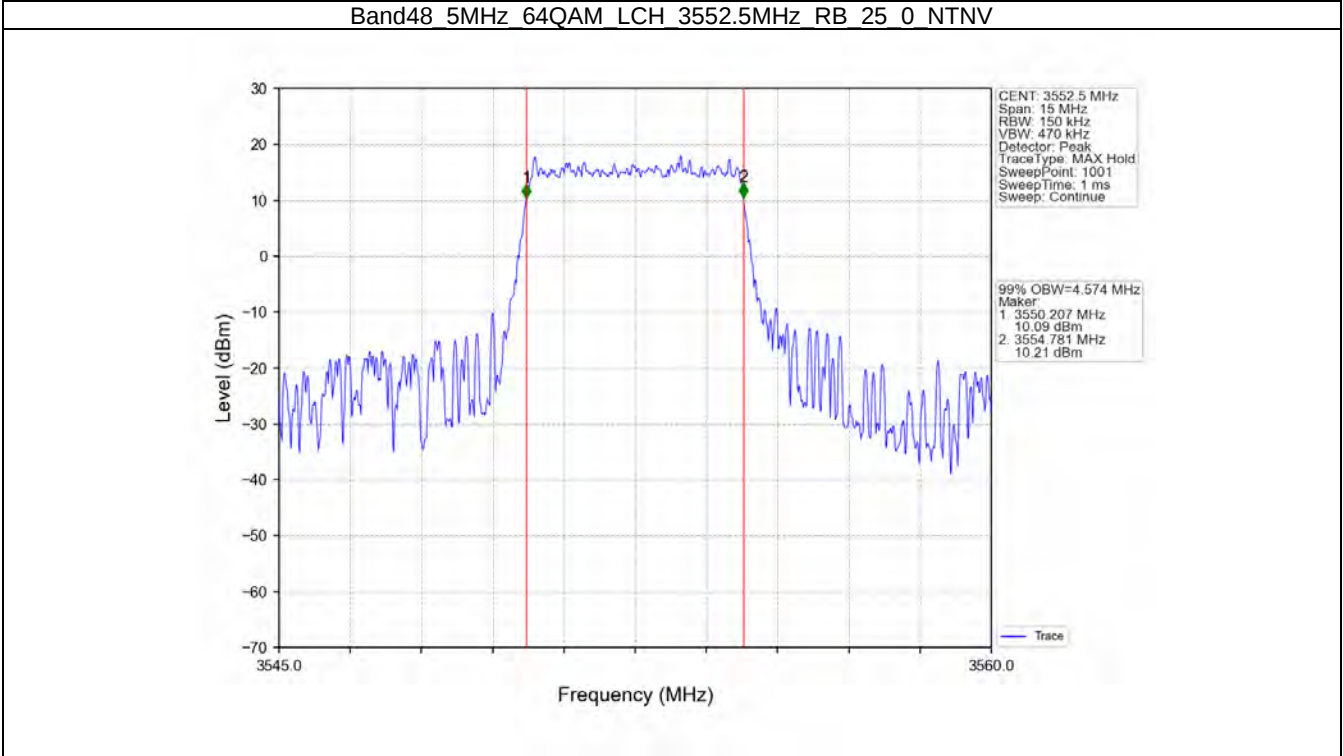


Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV

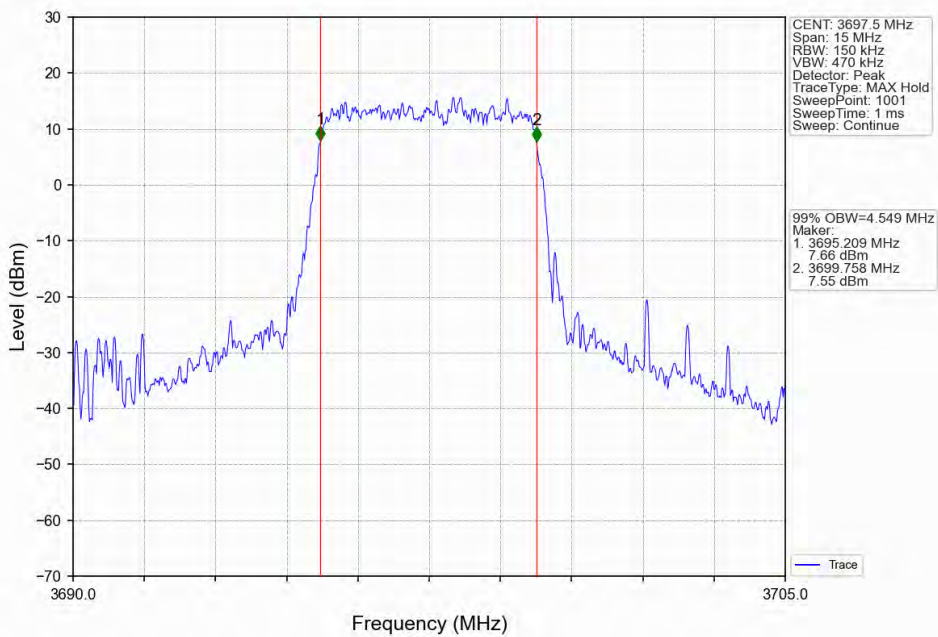


Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

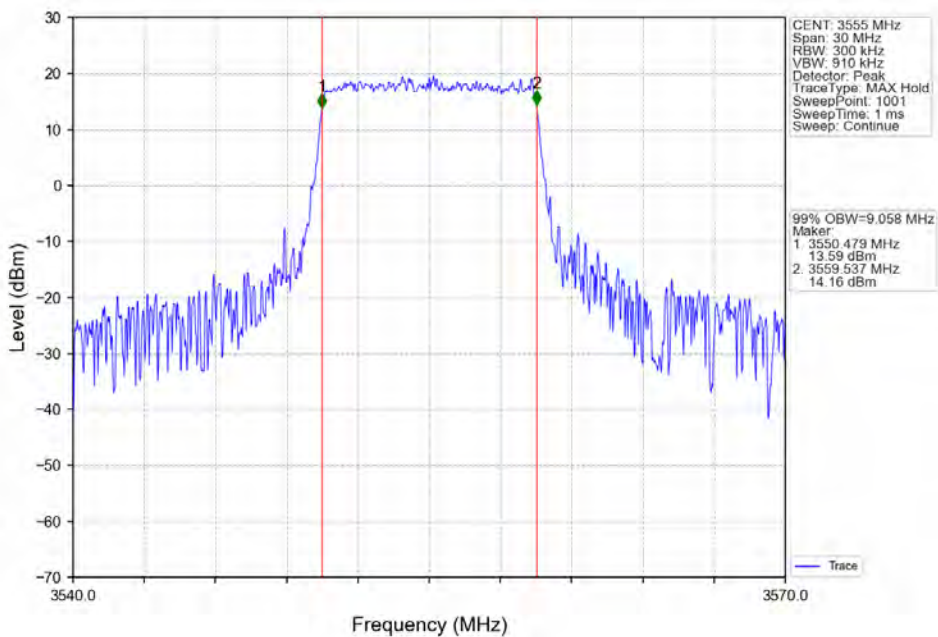




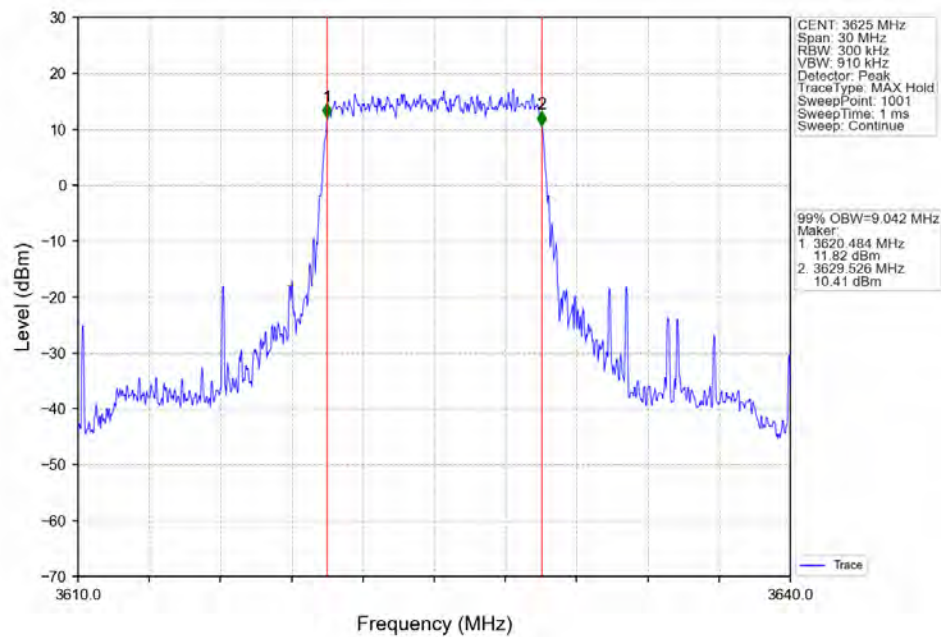
Band48 5MHz 64QAM HCH 3697.5MHz RB 25 0 NTN



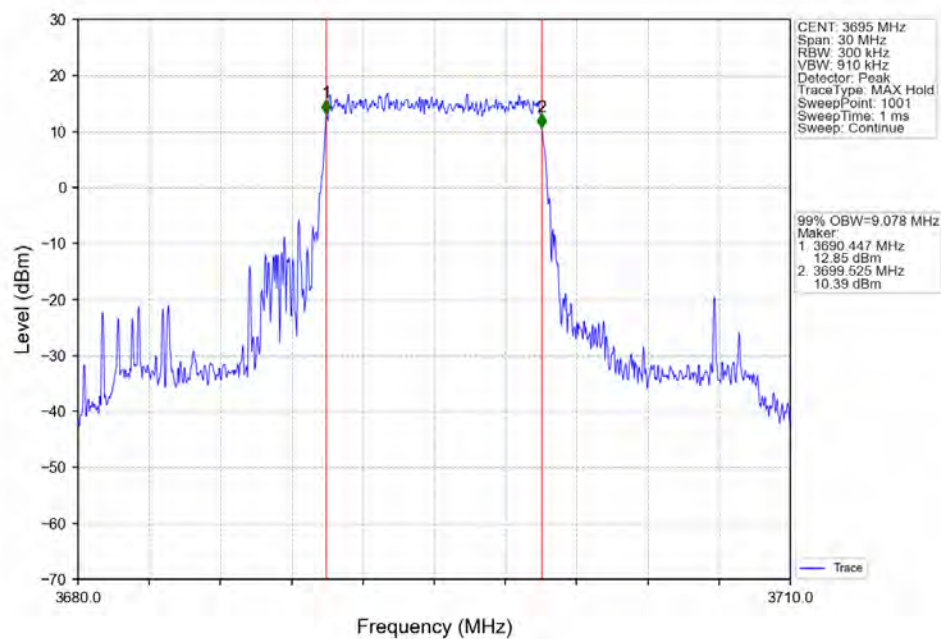
Band48_10MHz_QPSK_LCH 3555MHz RB 50 0 NTN



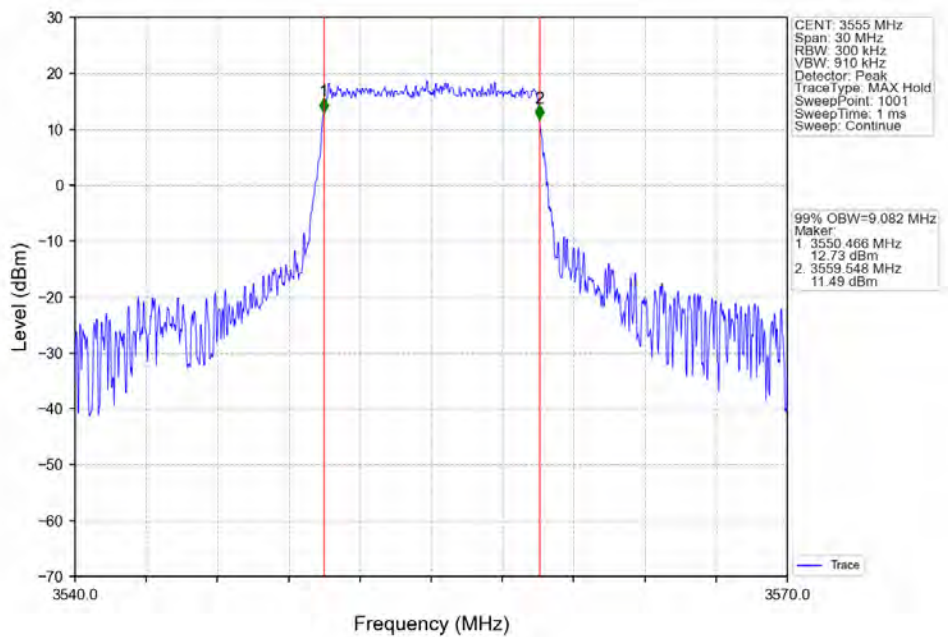
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



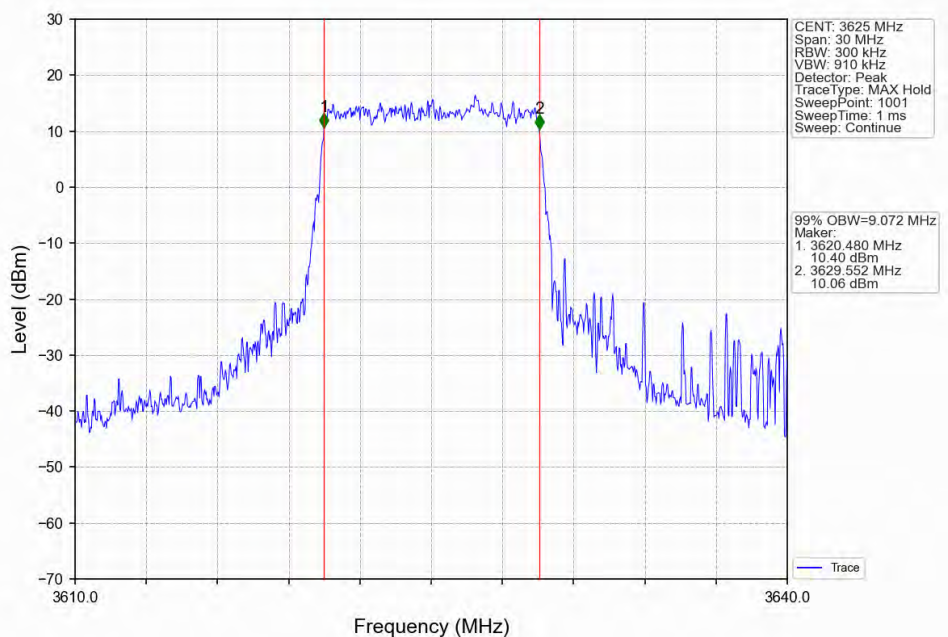
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



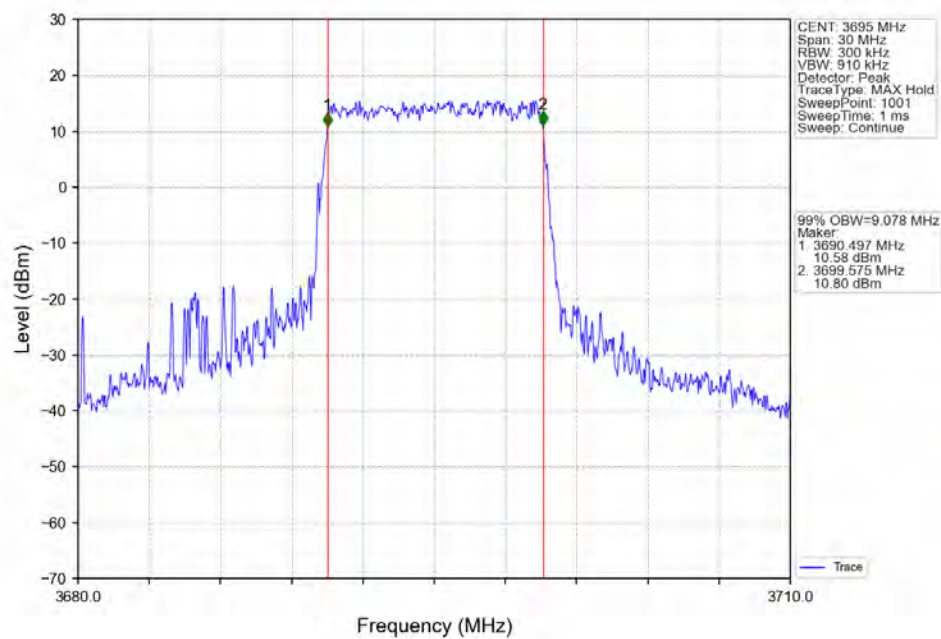
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



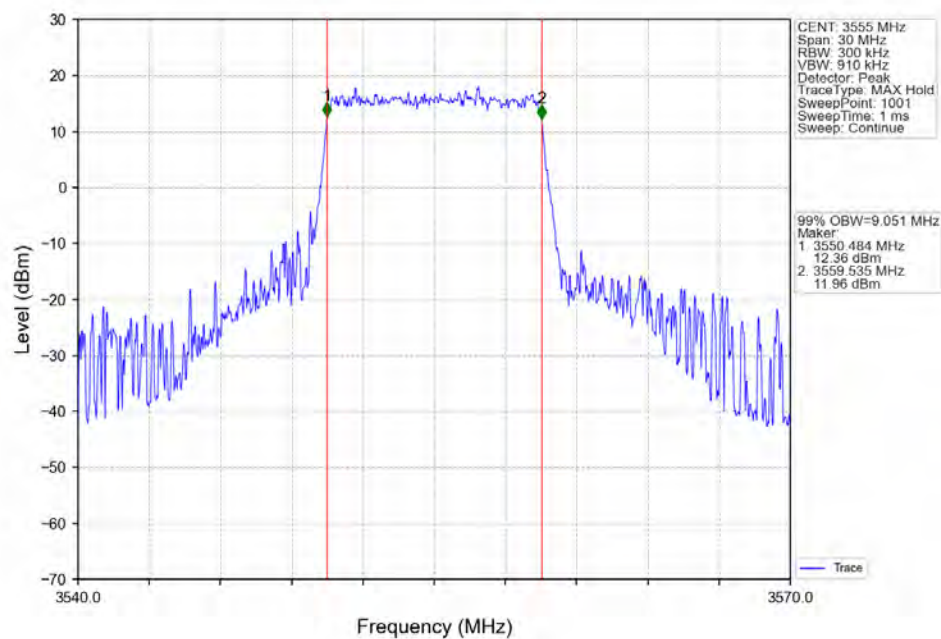
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



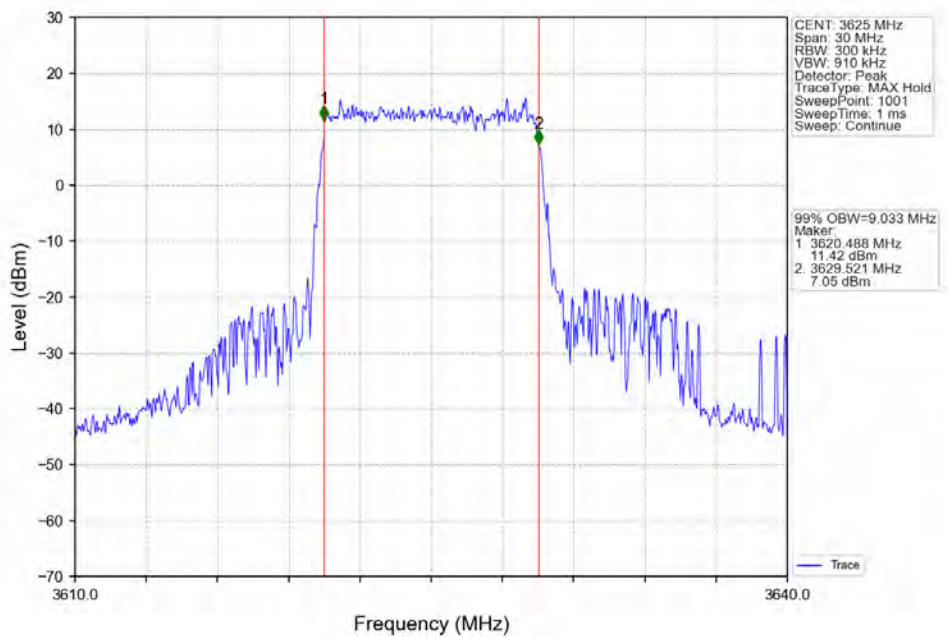
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



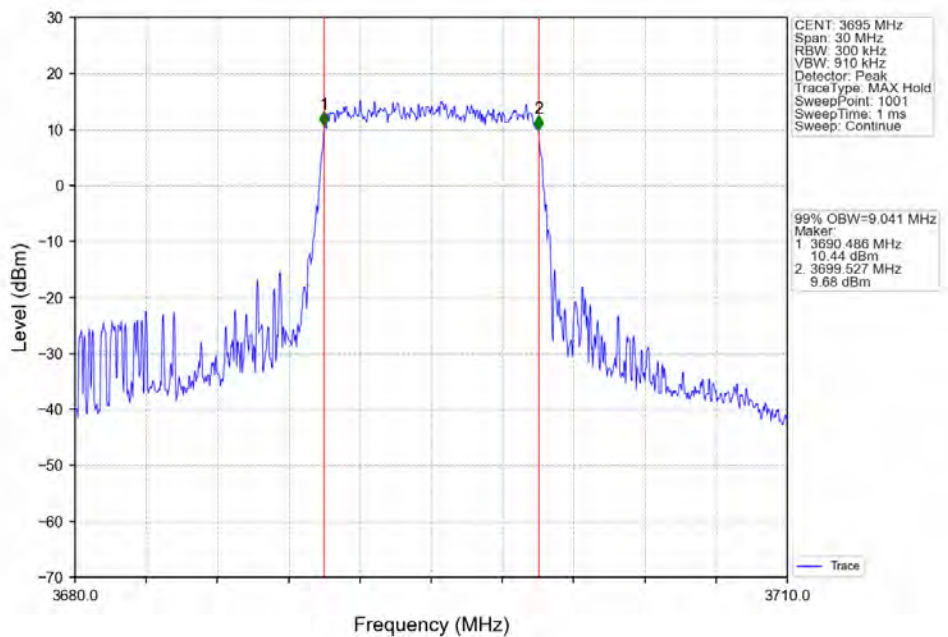
Band48 10MHz 64QAM LCH 3555MHz RB 50 0 NTNV

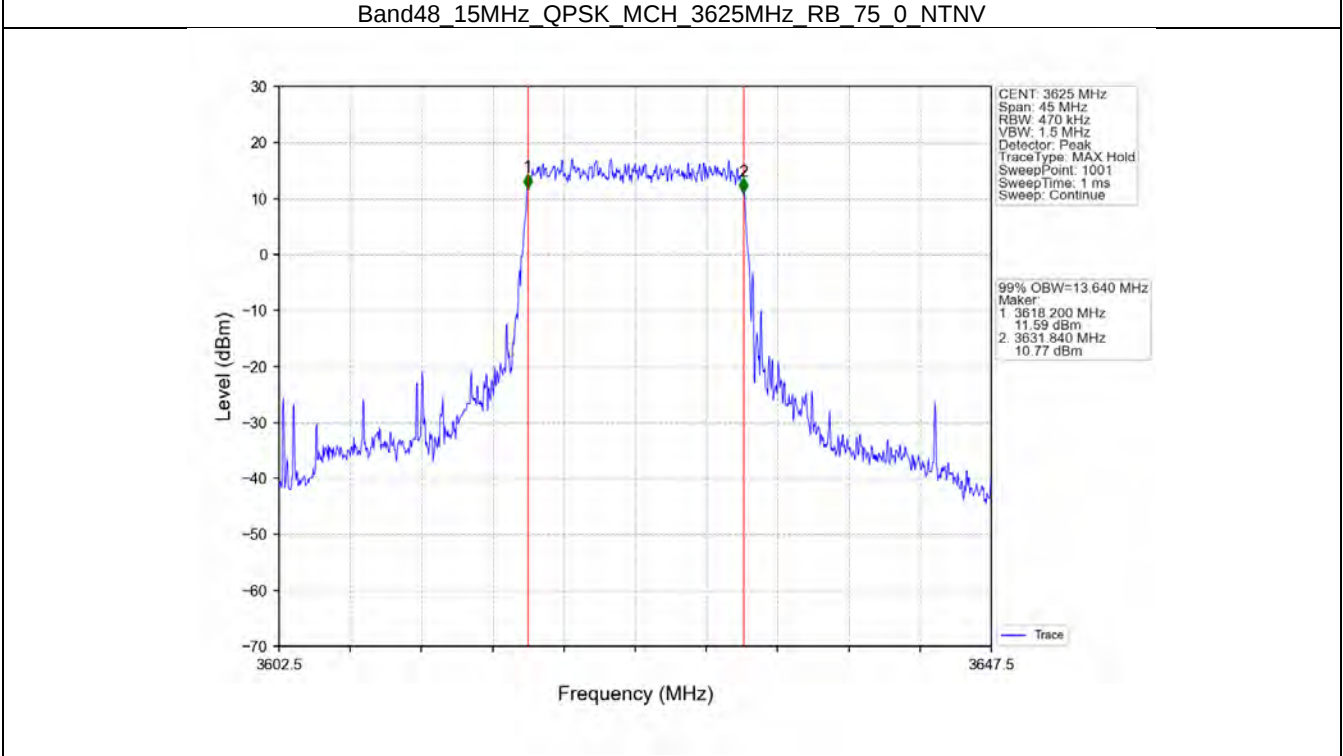
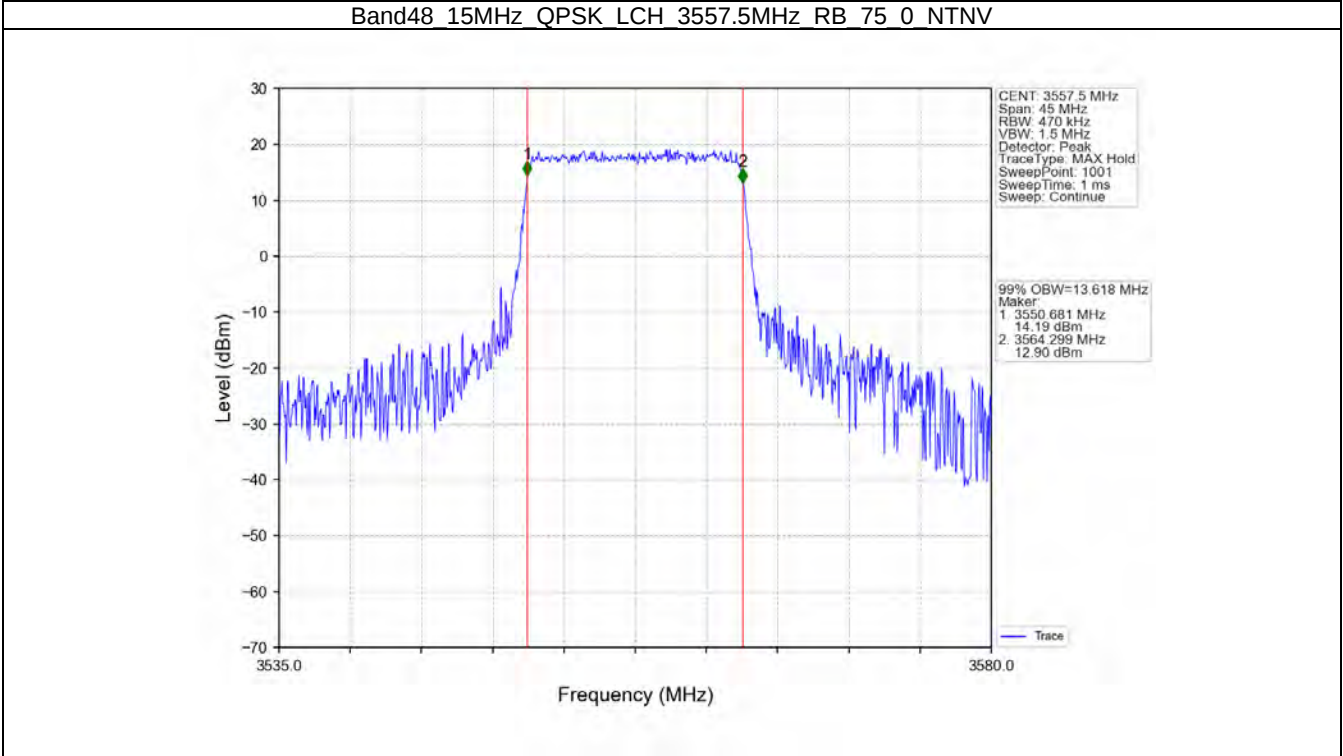


Band48 10MHz 64QAM MCH 3625MHz RB 50 0 NTNV

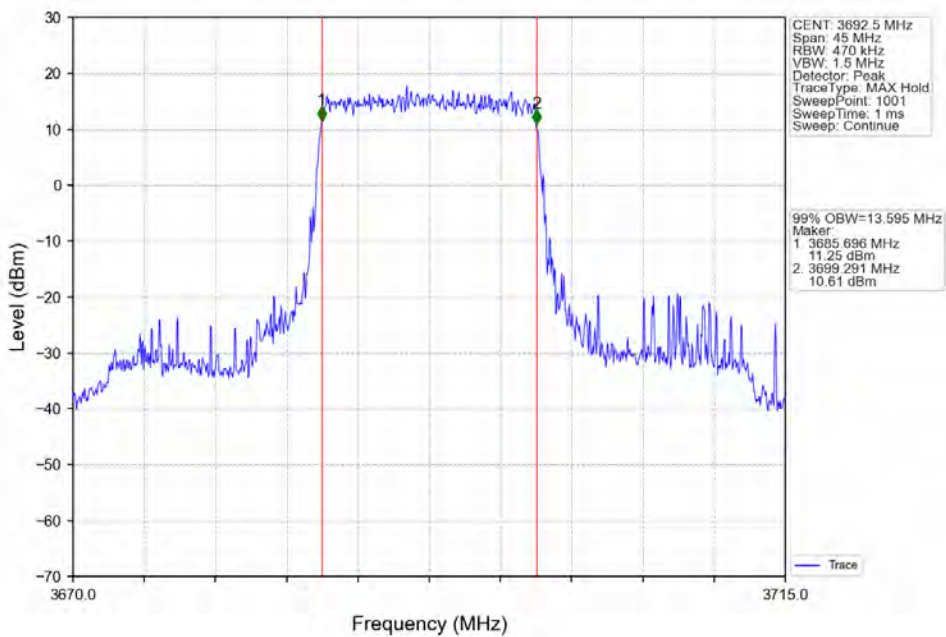


Band48 10MHz 64QAM HCH 3695MHz RB 50 0 NTNV

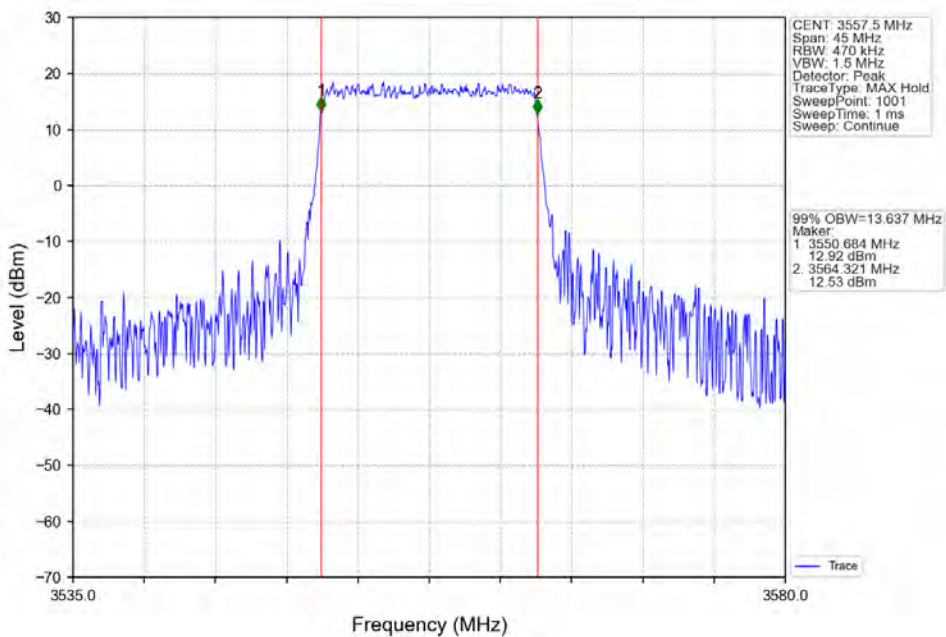




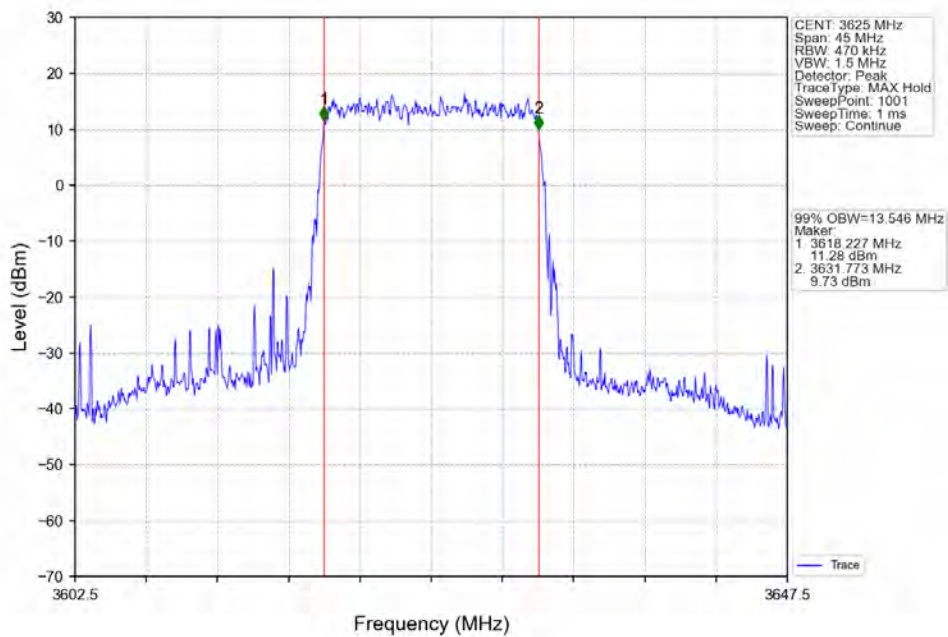
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



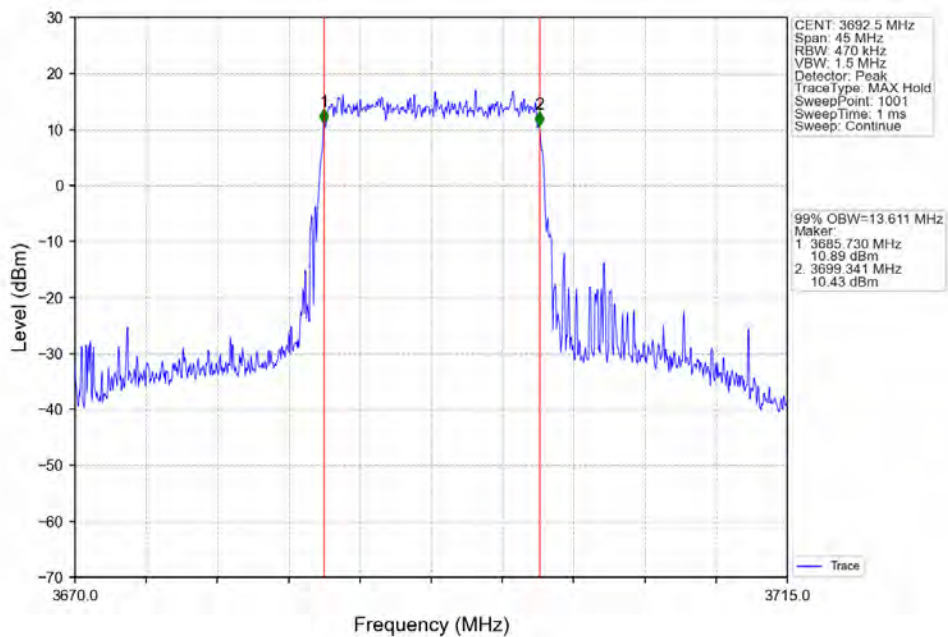
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



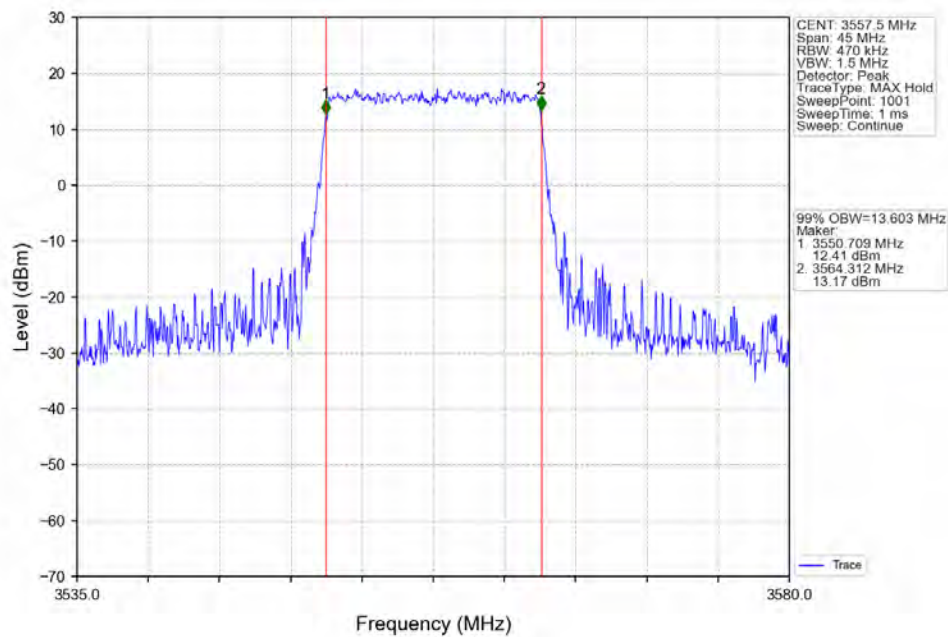
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



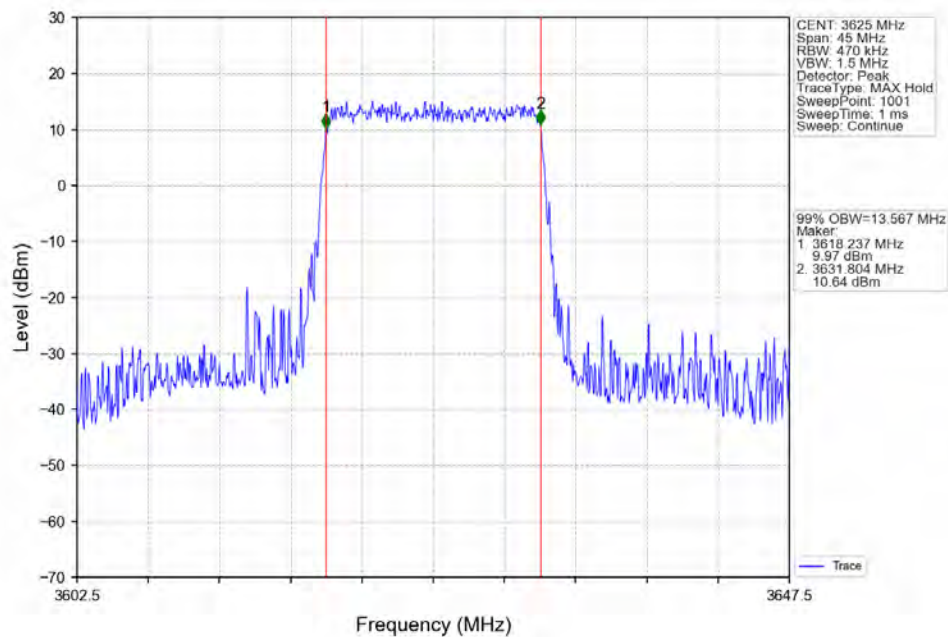
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



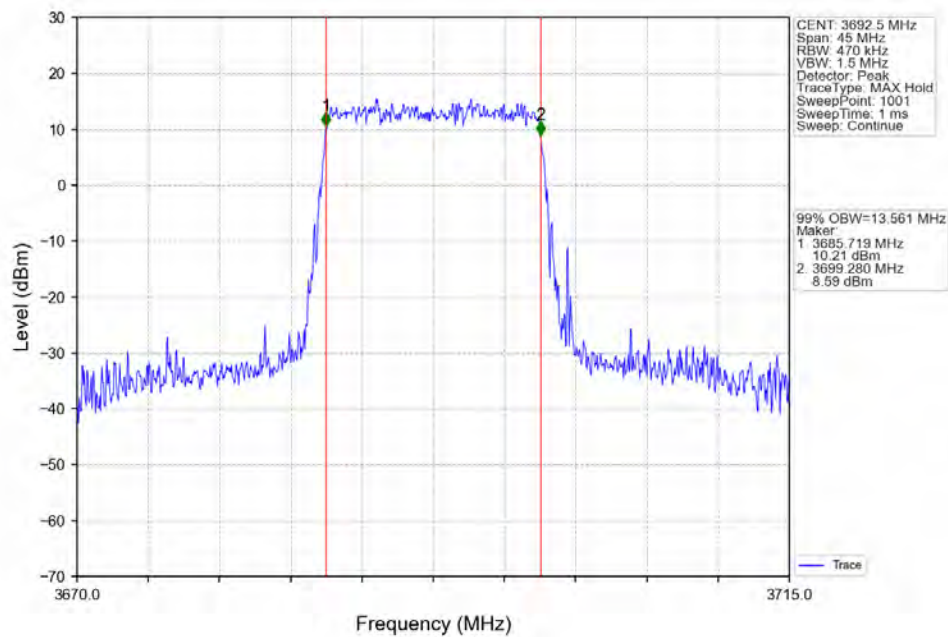
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



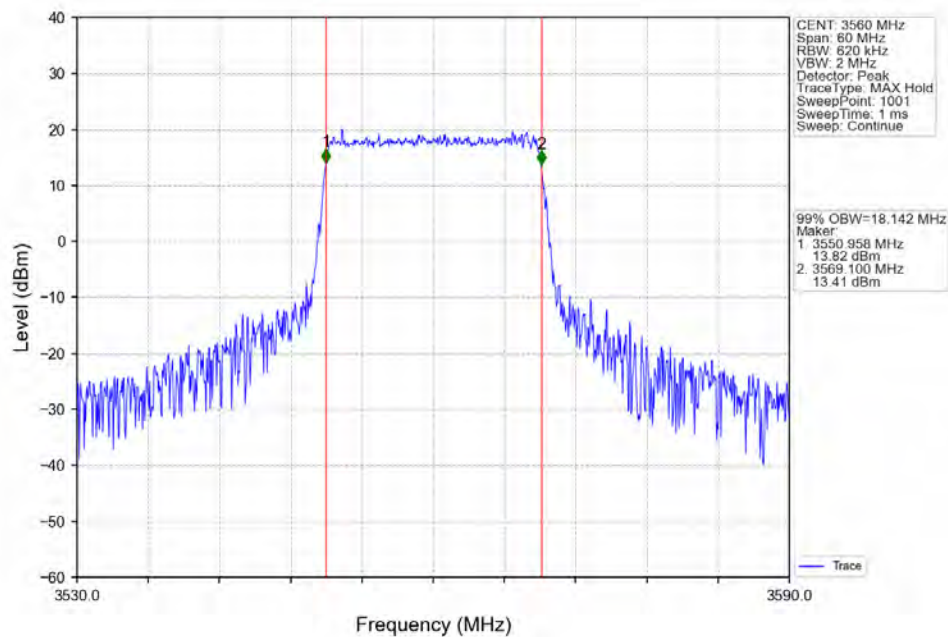
Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV

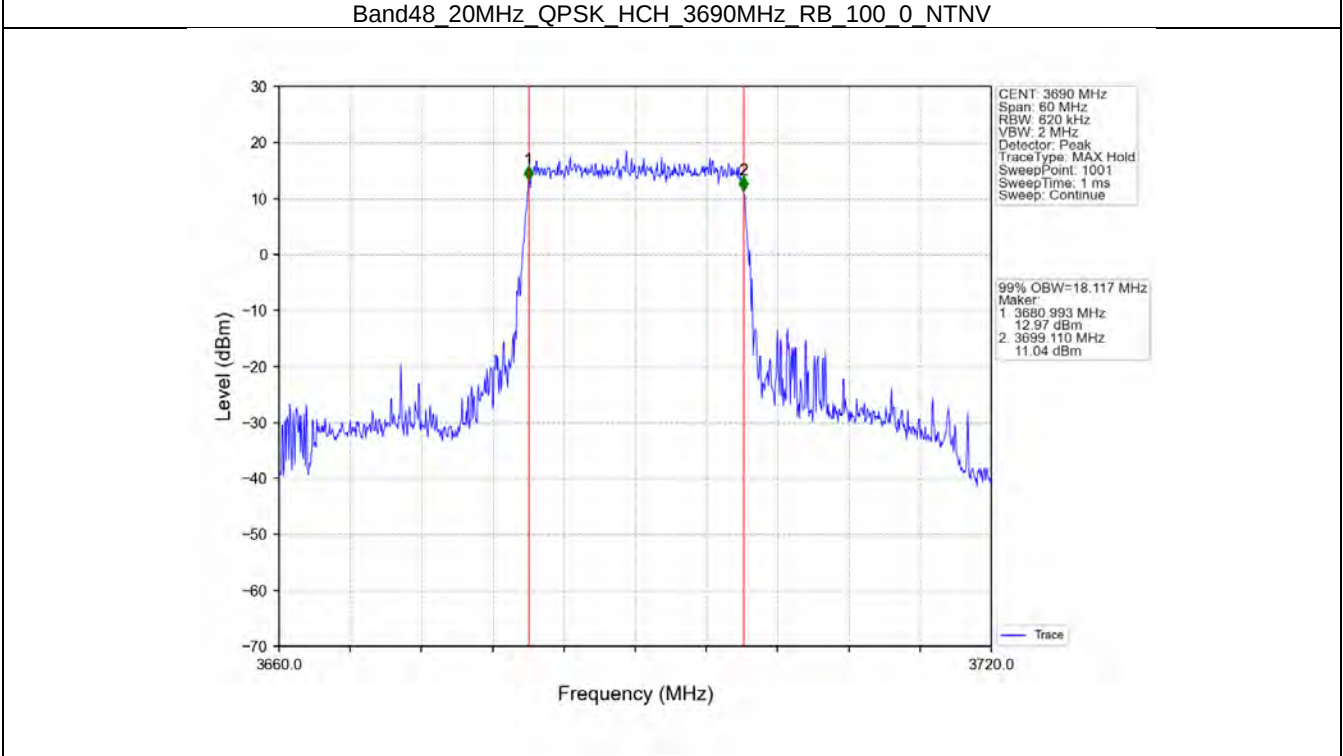
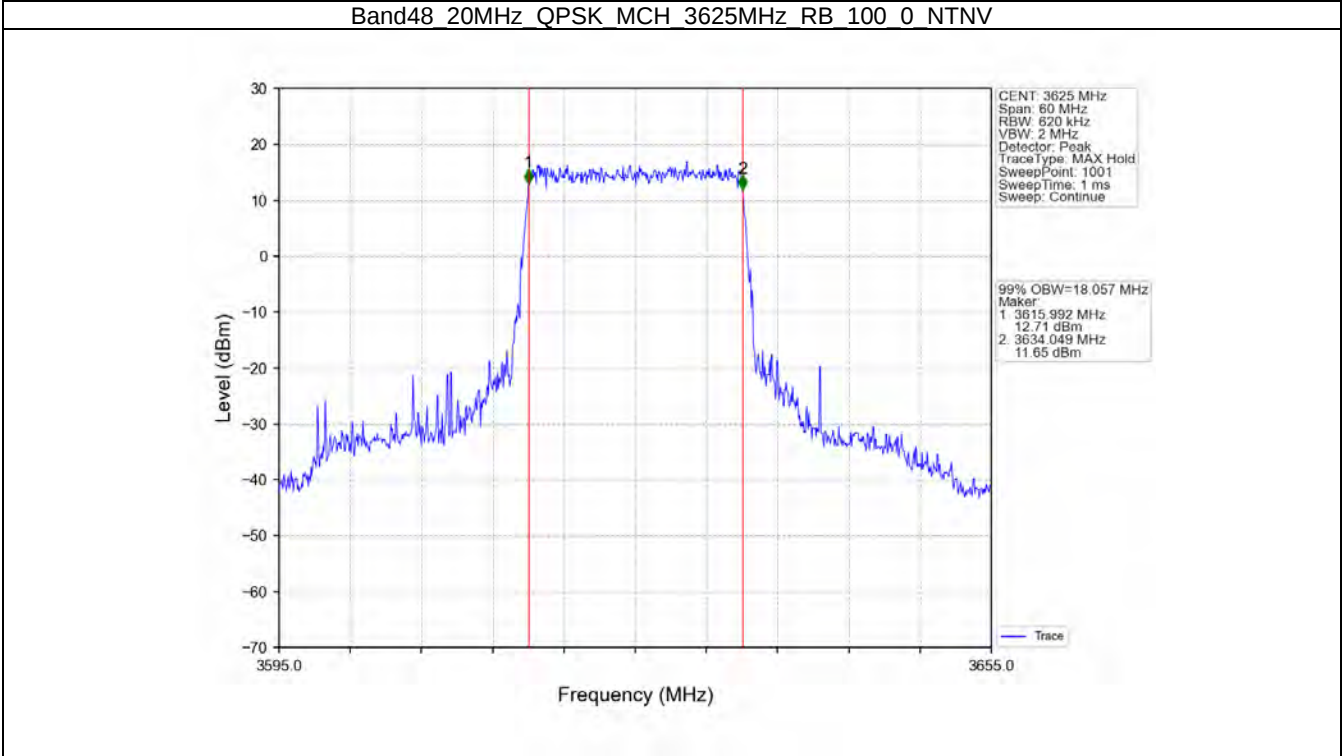


Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV

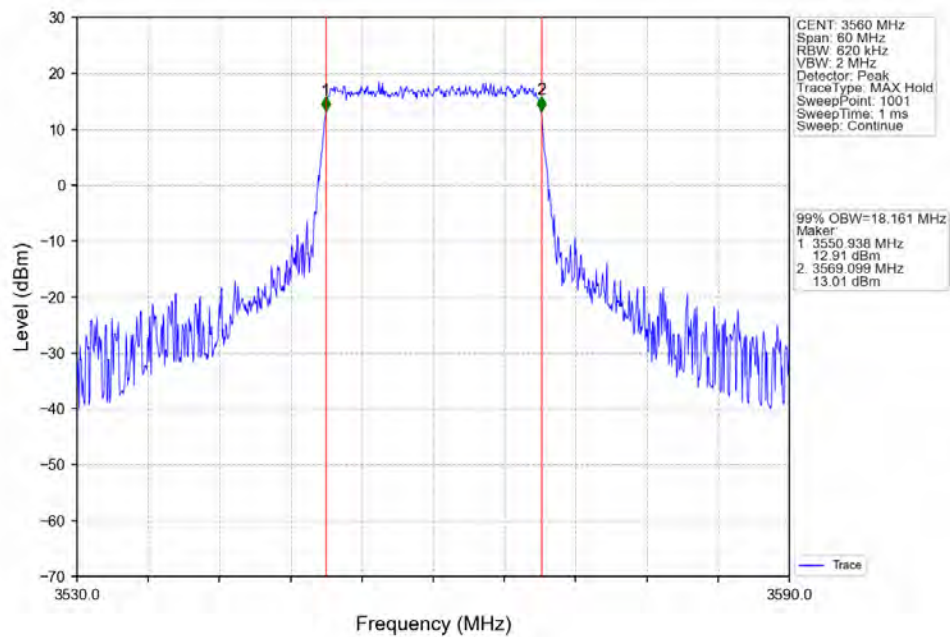


Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV

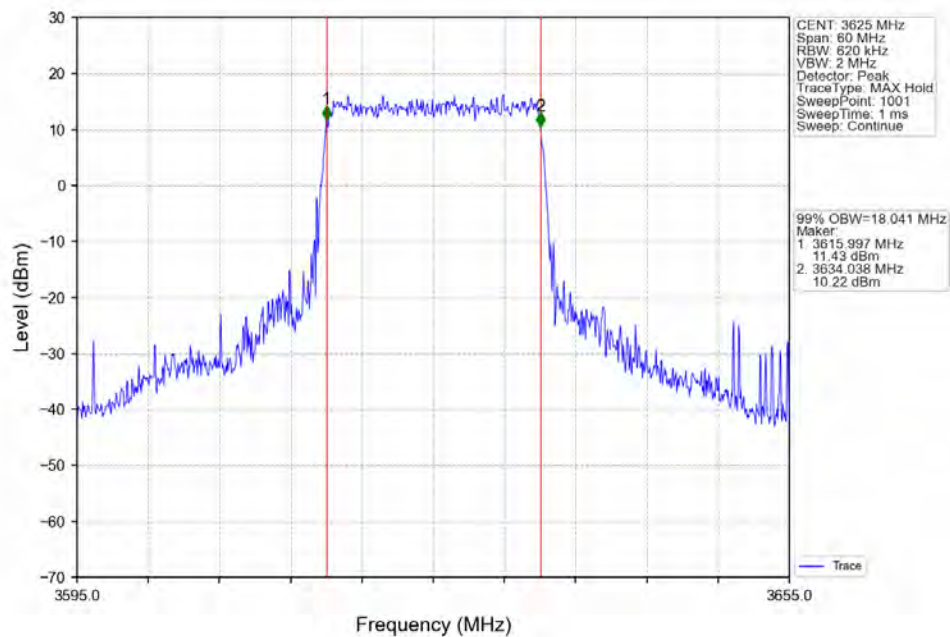




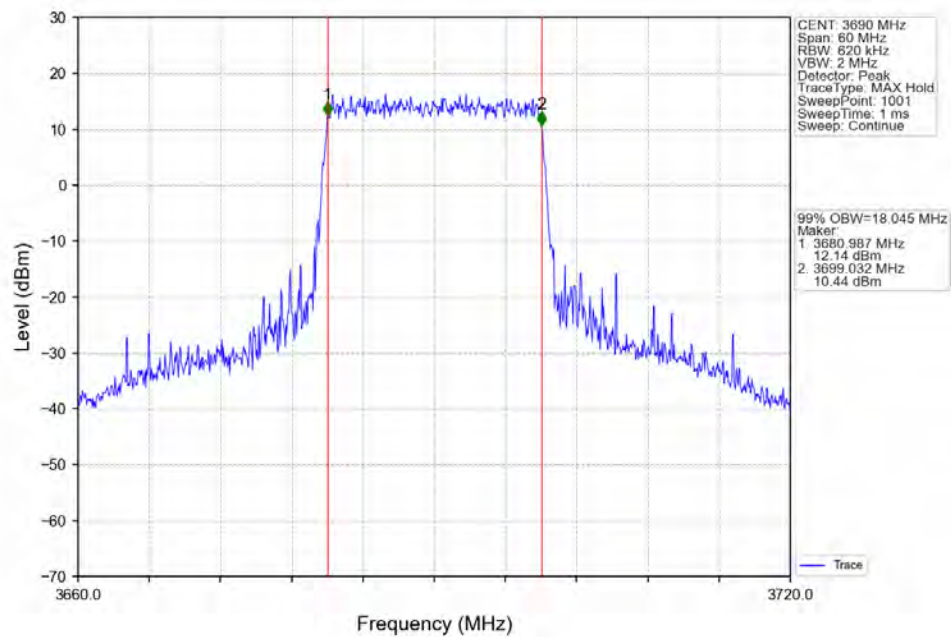
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTN



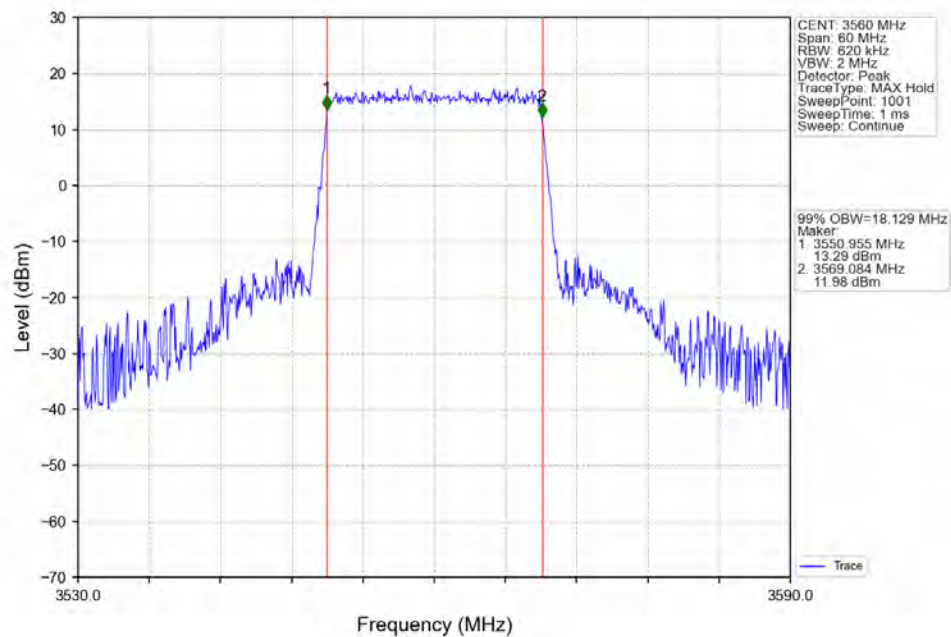
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTN



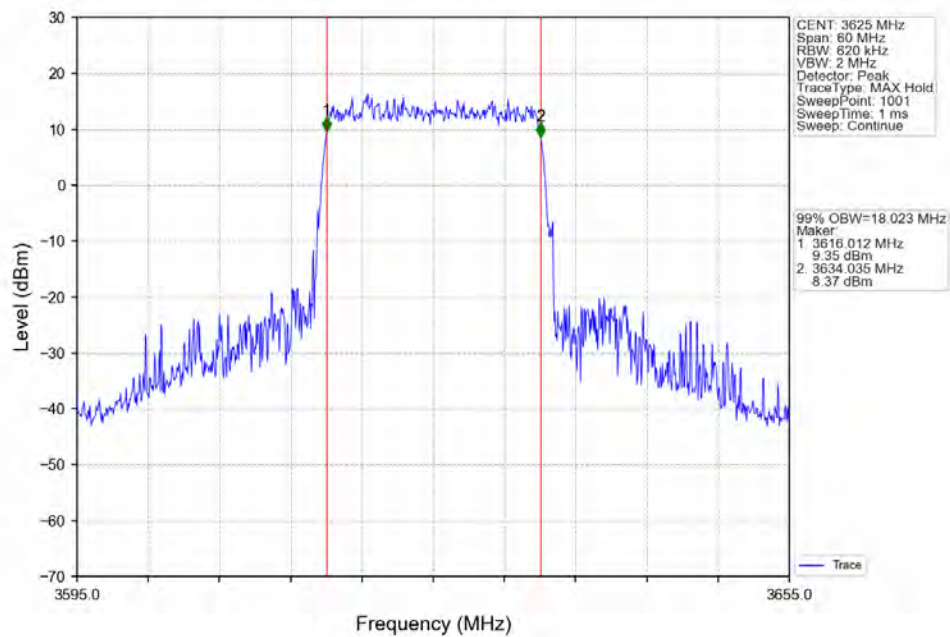
Band48 20MHz 16QAM HCH 3690MHz RB 100 0 NTNV



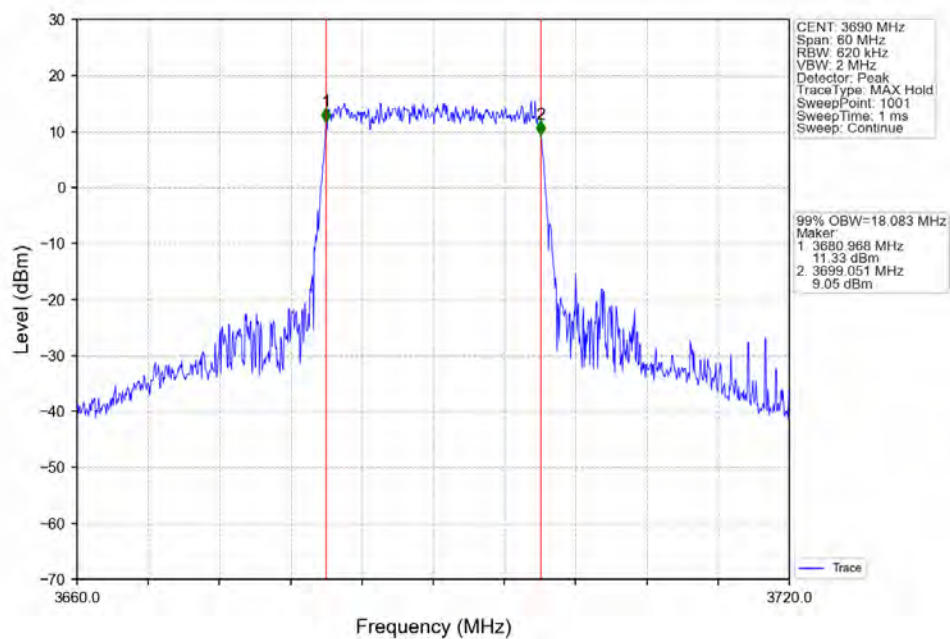
Band48 20MHz 64QAM LCH 3560MHz RB 100 0 NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV

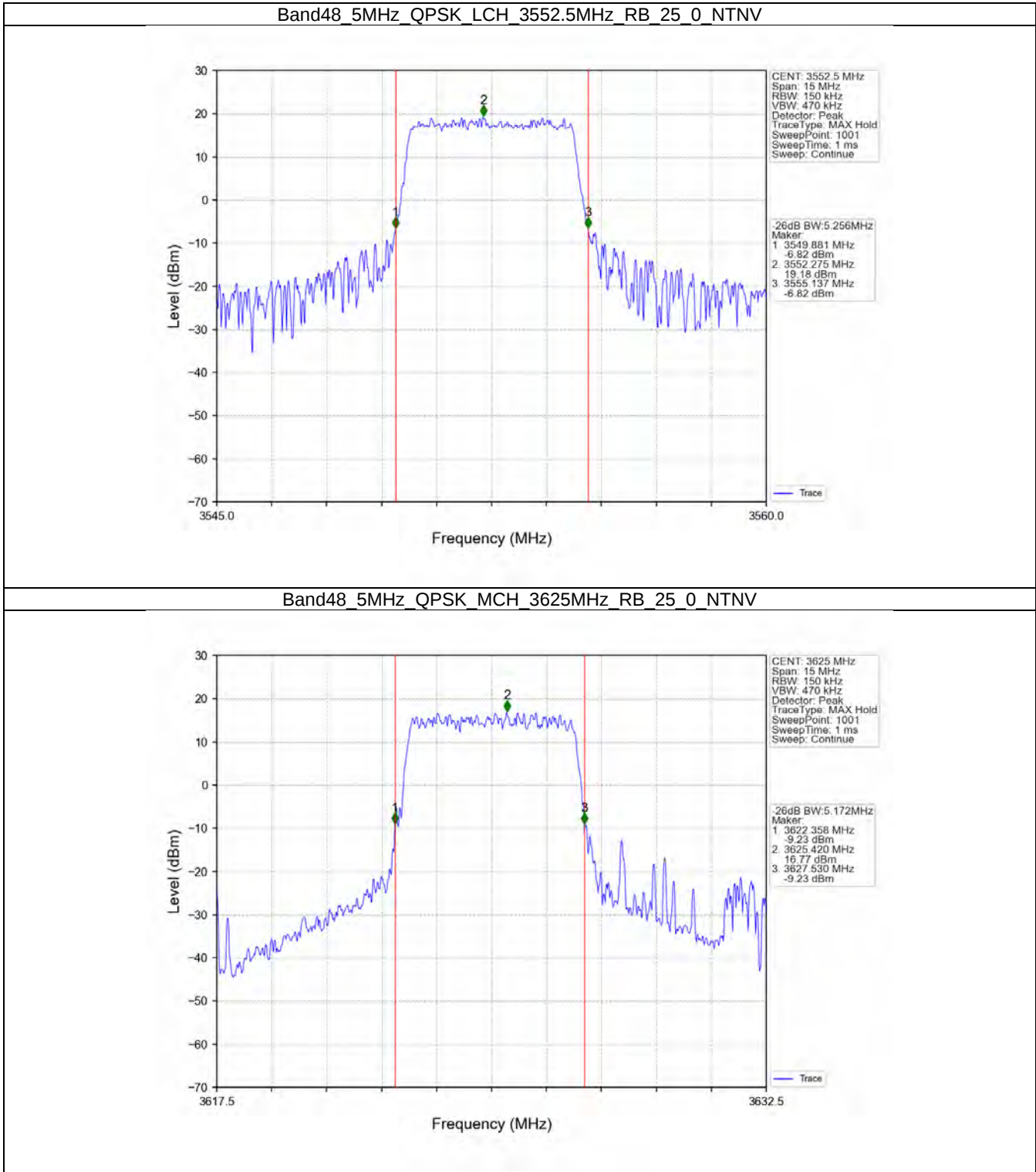


Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV

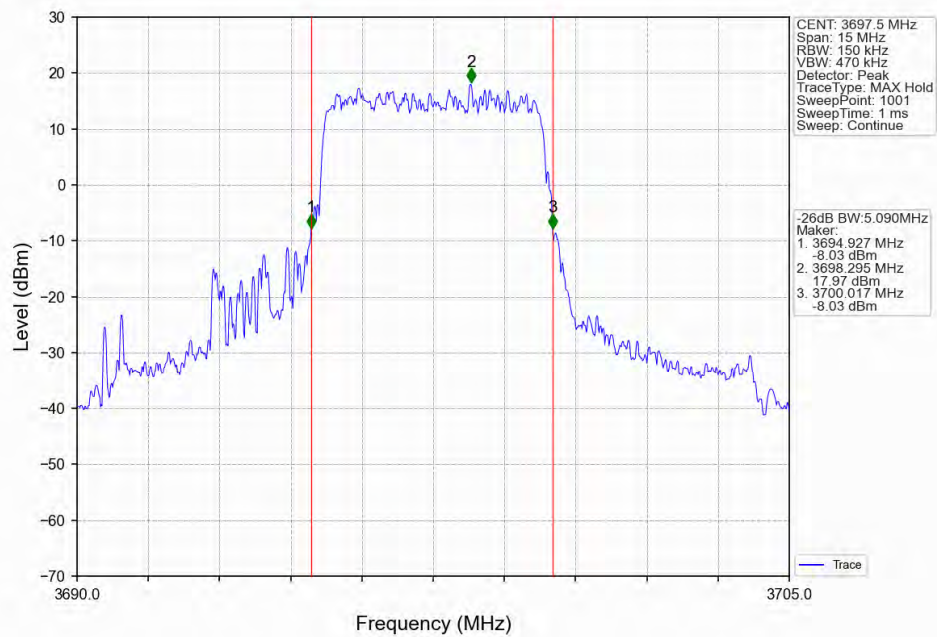


3.2 Band48_XDB

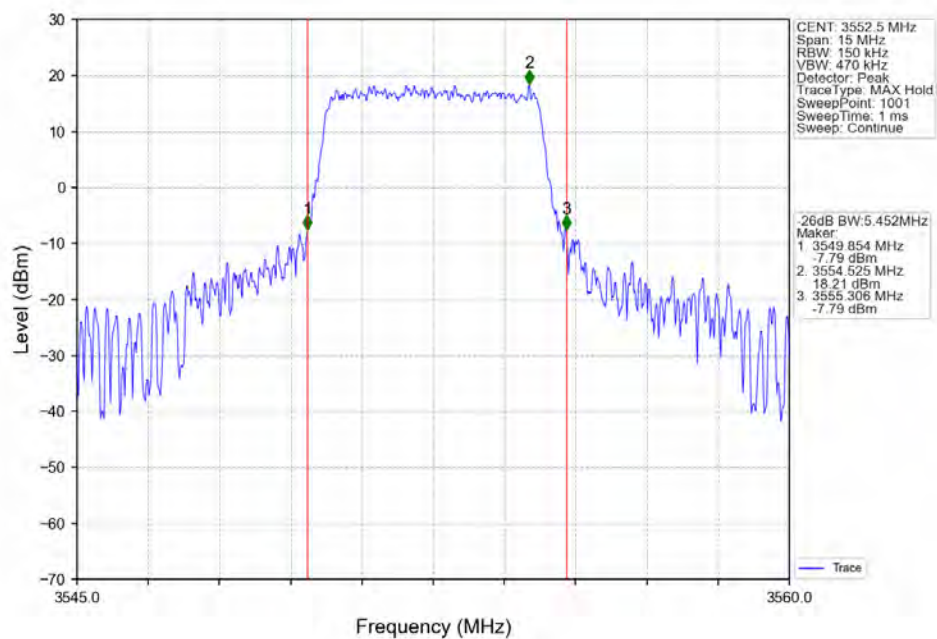
3.2.2 Test Graph



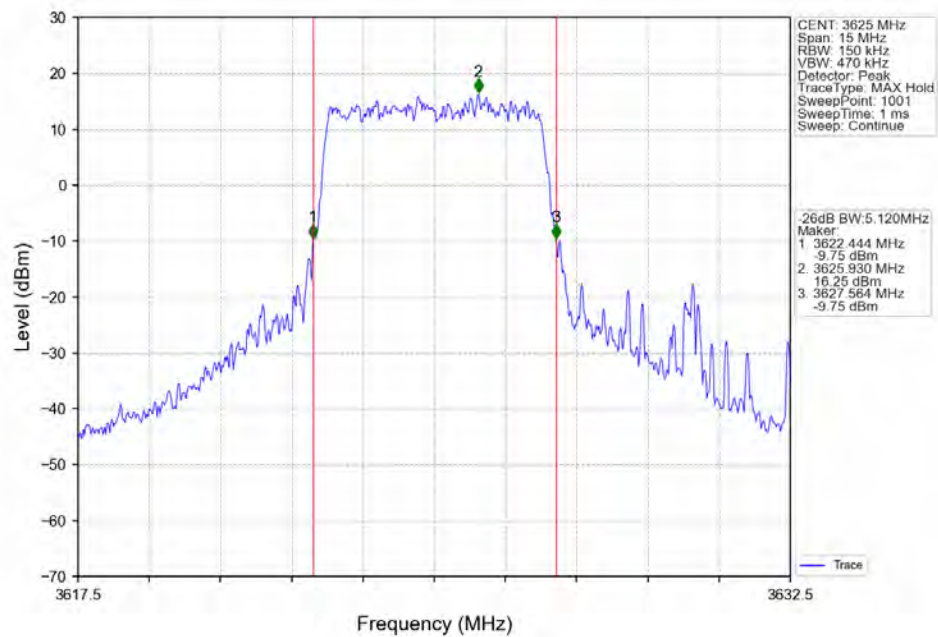
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



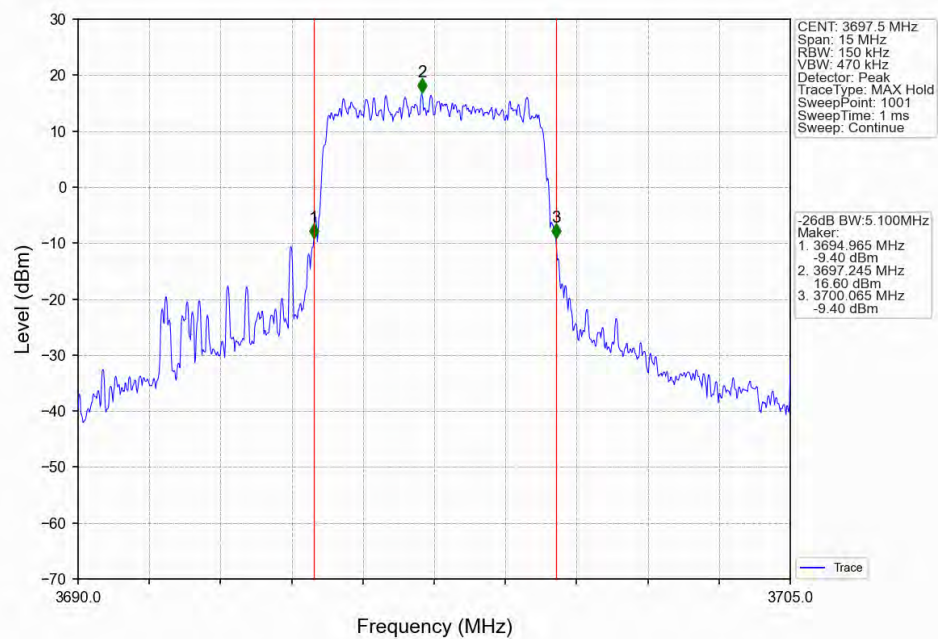
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



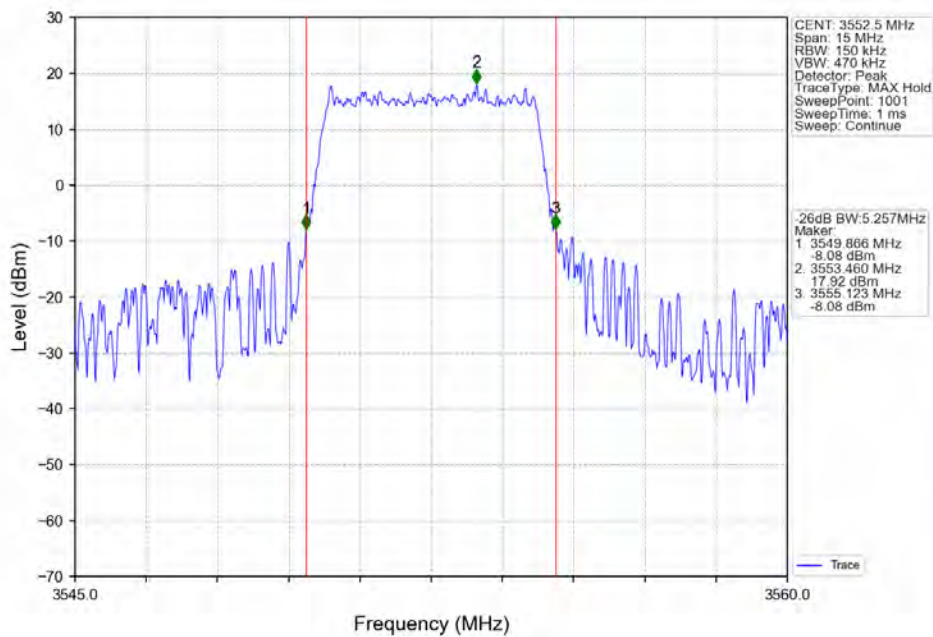
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



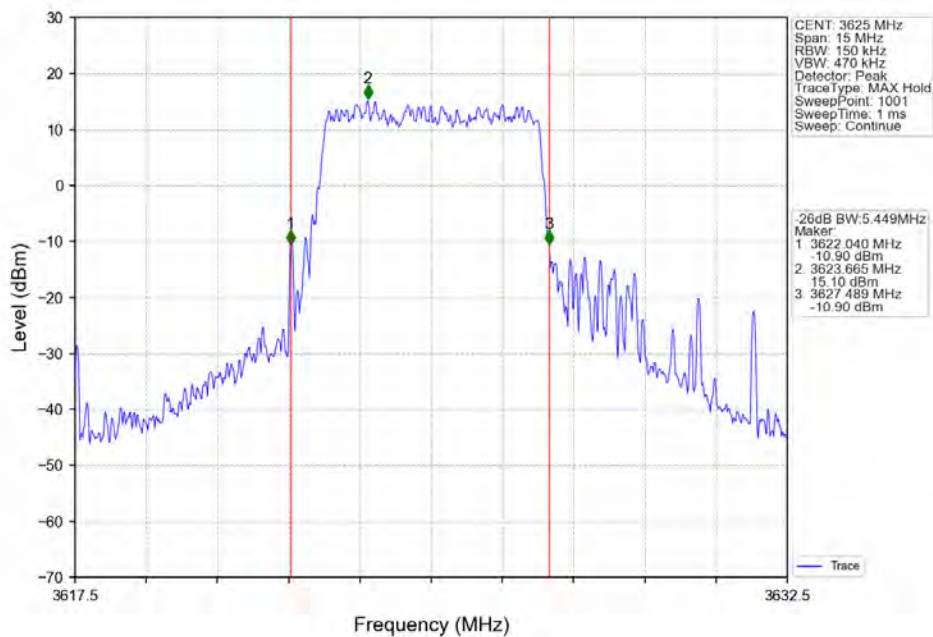
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



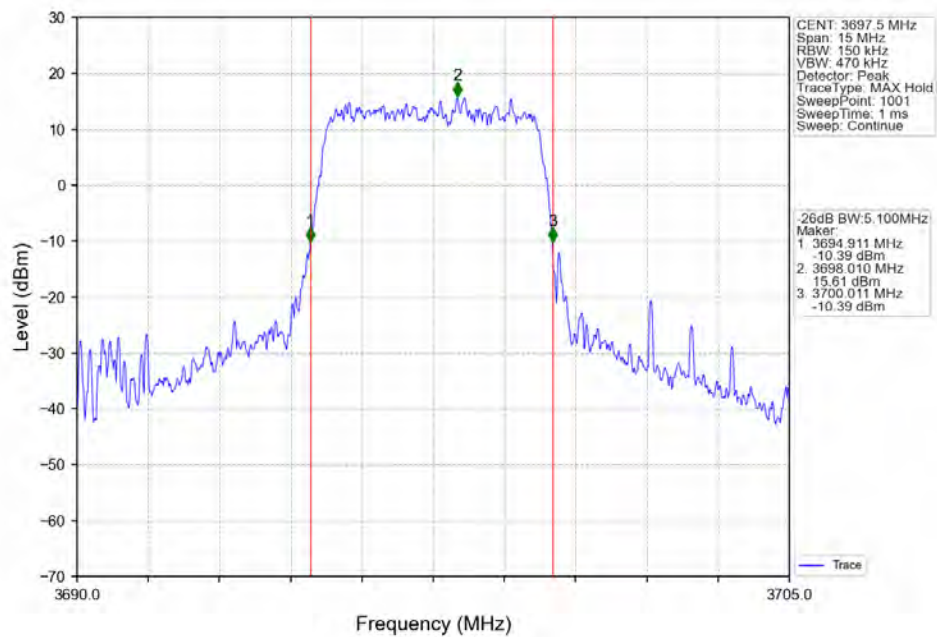
Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



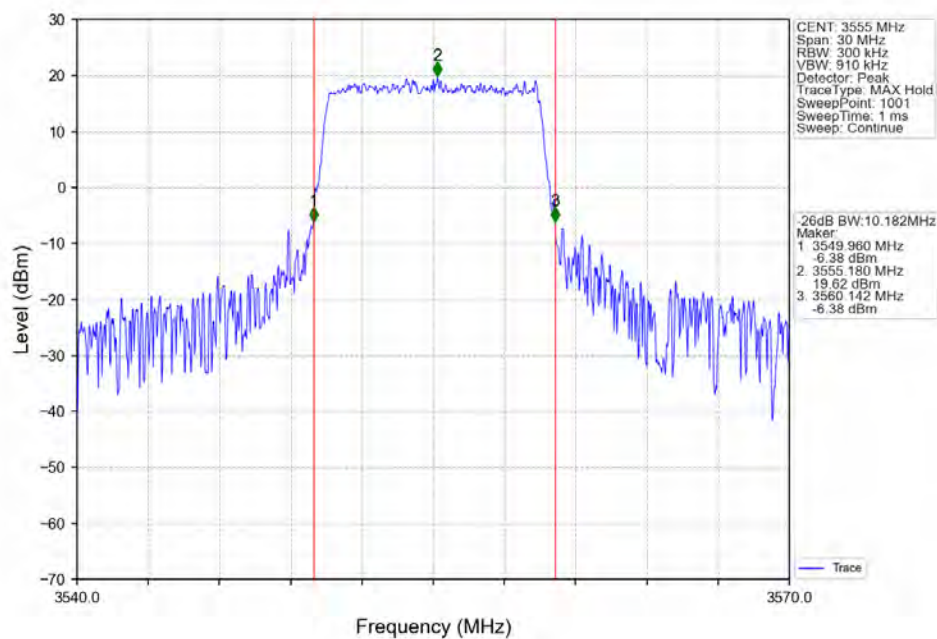
Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



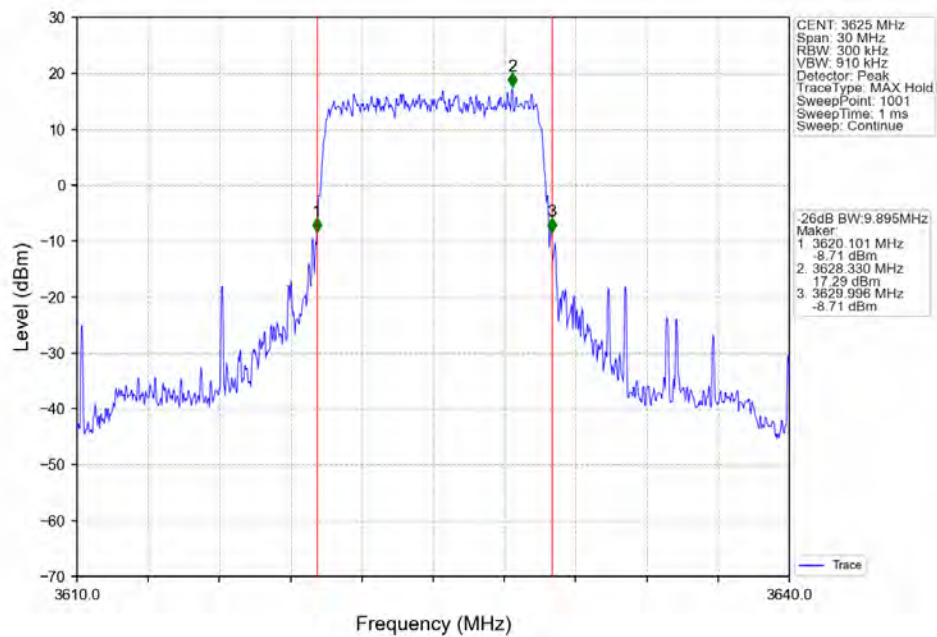
Band48 5MHz 64QAM HCH 3697.5MHz RB 25 0 NTN



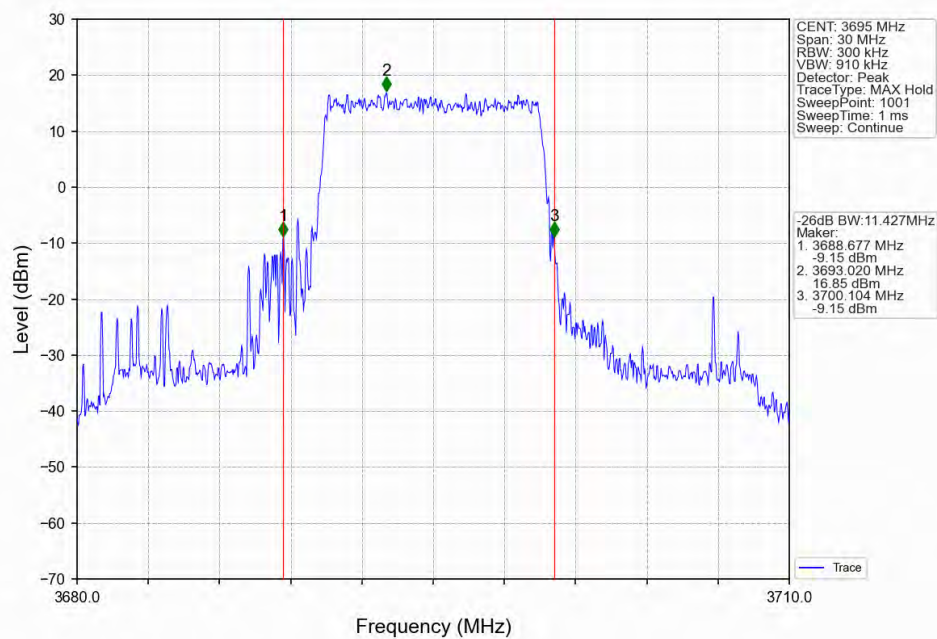
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0 NTN



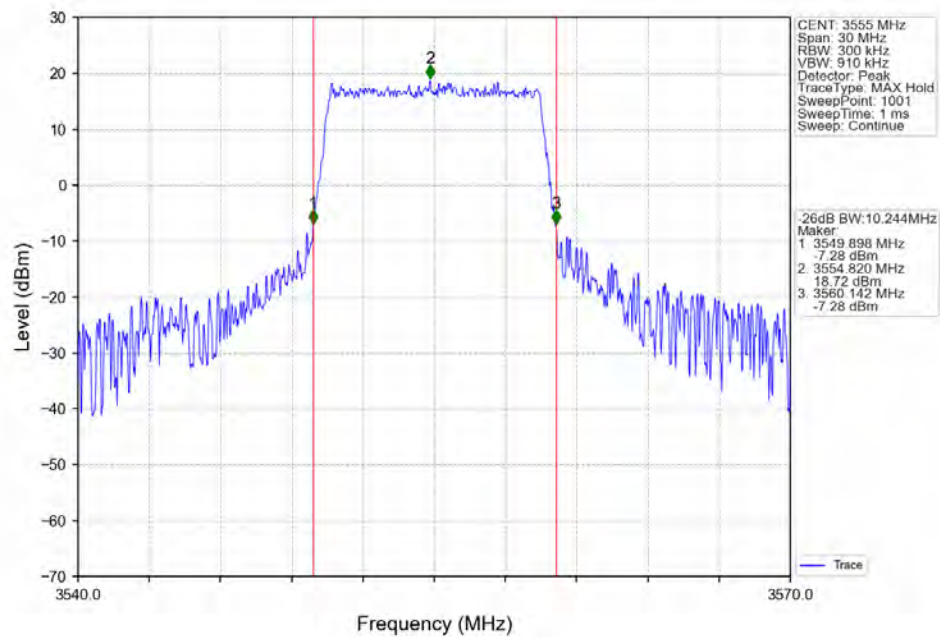
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



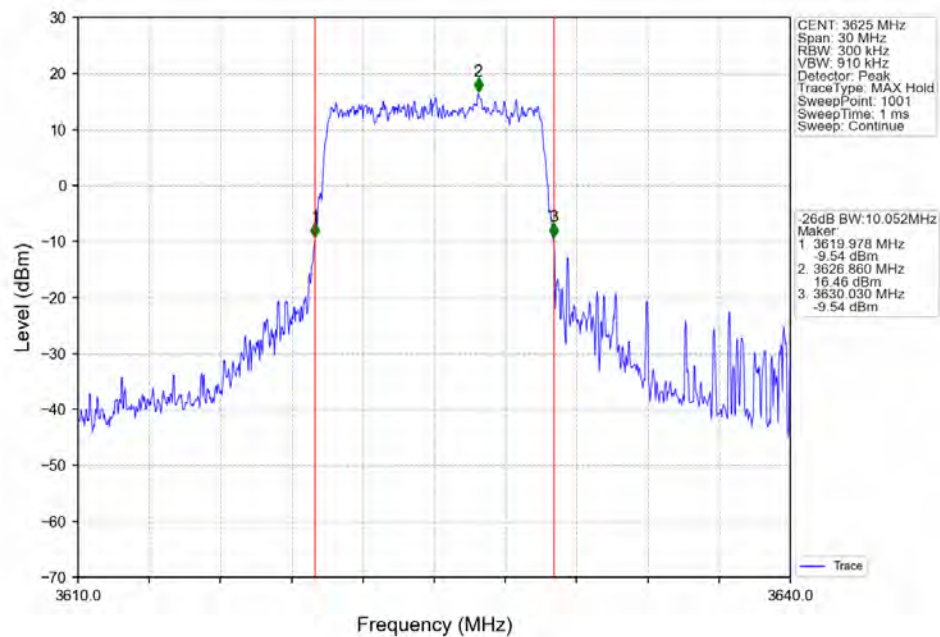
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



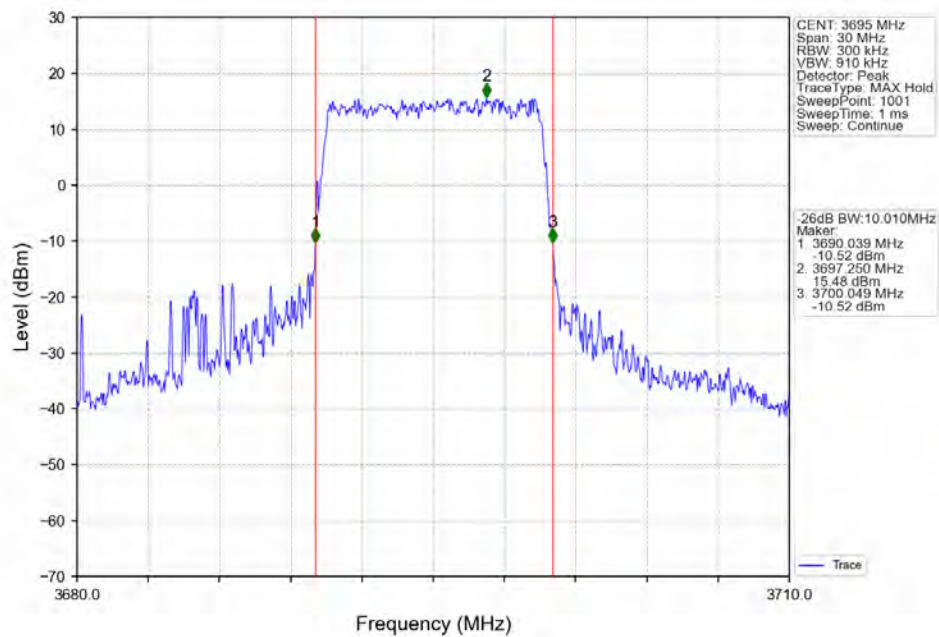
Band48 10MHz 16QAM LCH 3555MHz RB 50 0 NTNV



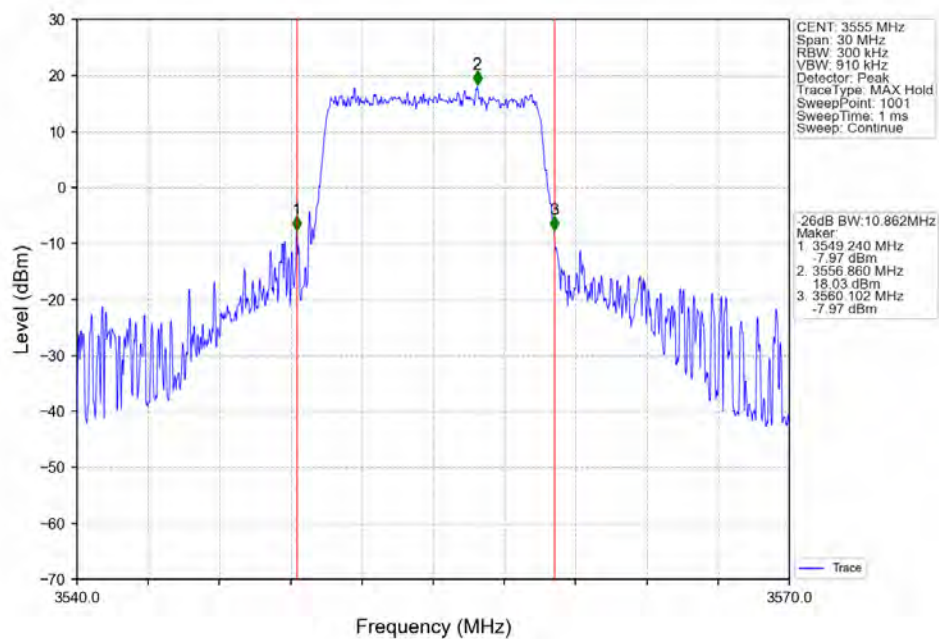
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



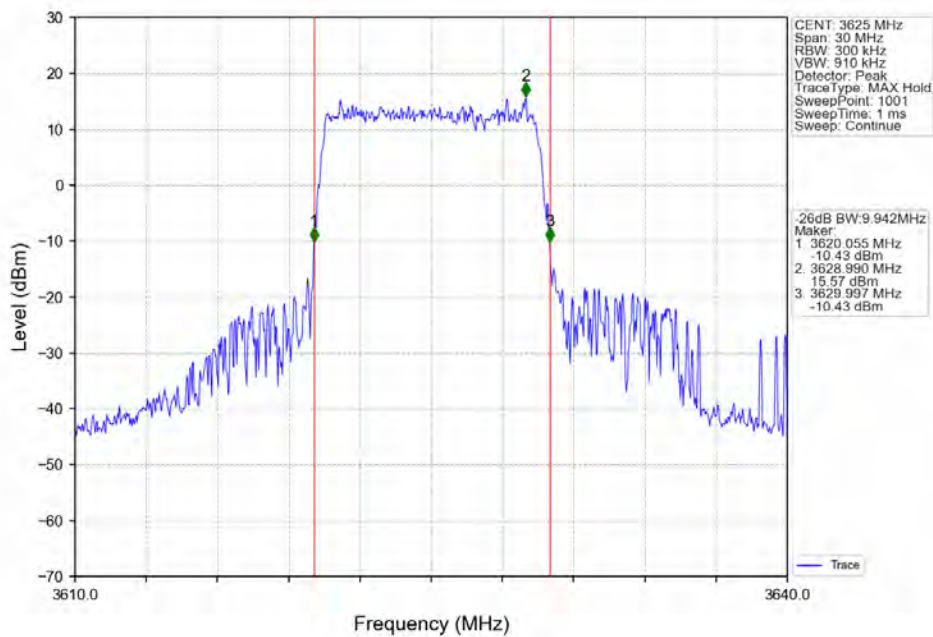
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



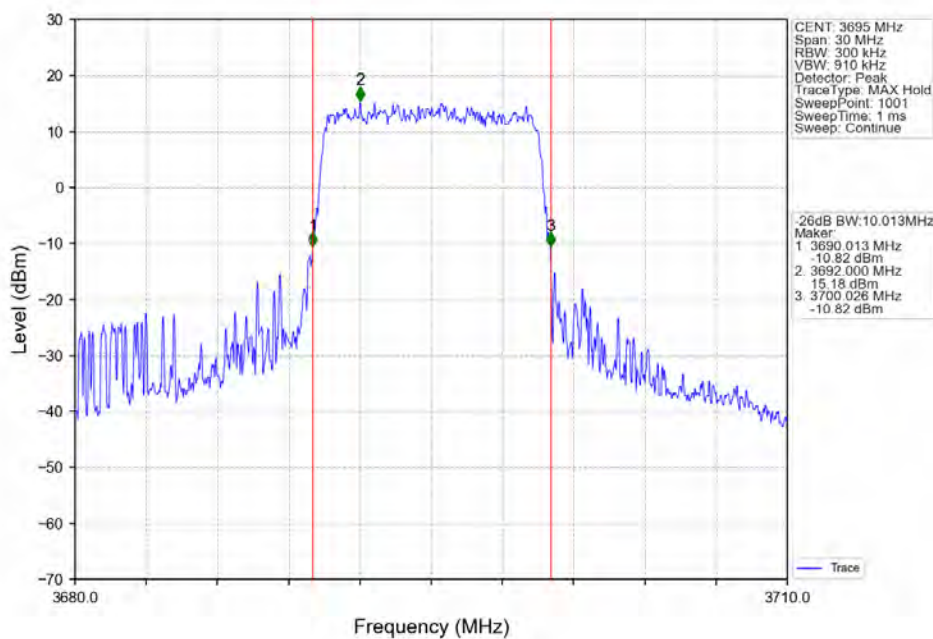
Band48 10MHz 64QAM LCH 3555MHz RB 50 0 NTNV



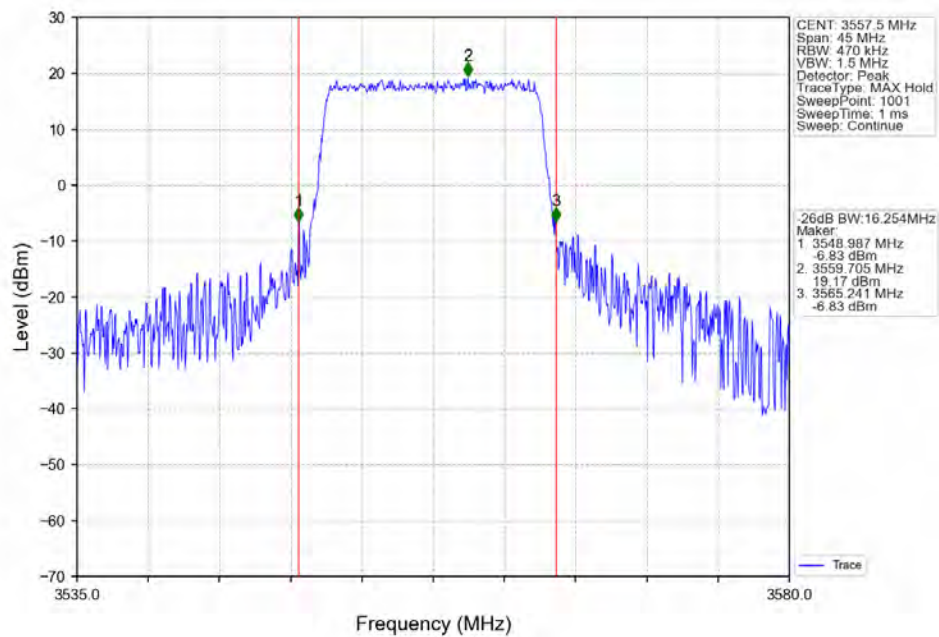
Band48 10MHz 64QAM MCH 3625MHz RB 50 0 NTNV



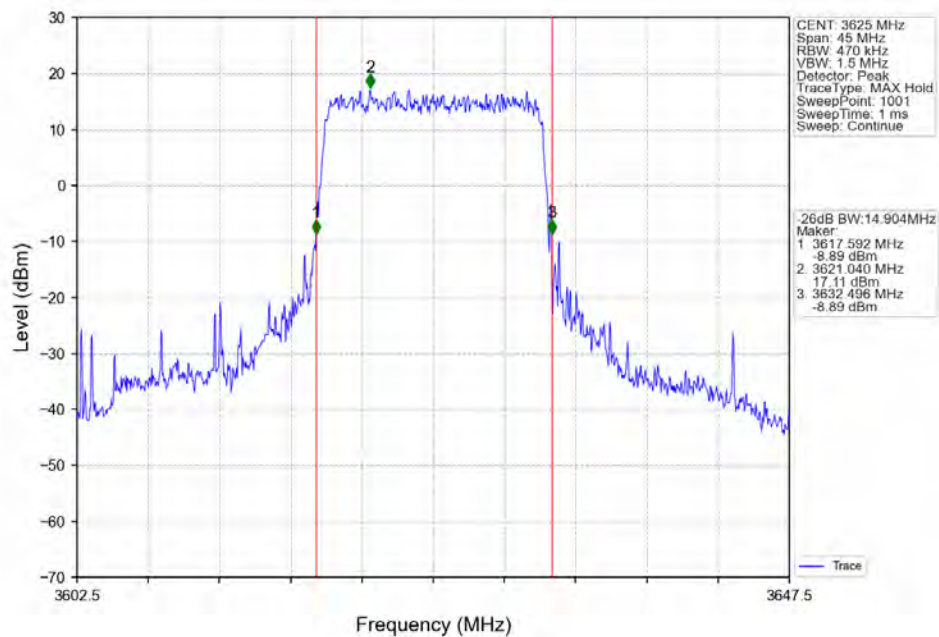
Band48 10MHz 64QAM HCH 3695MHz RB 50 0 NTNV



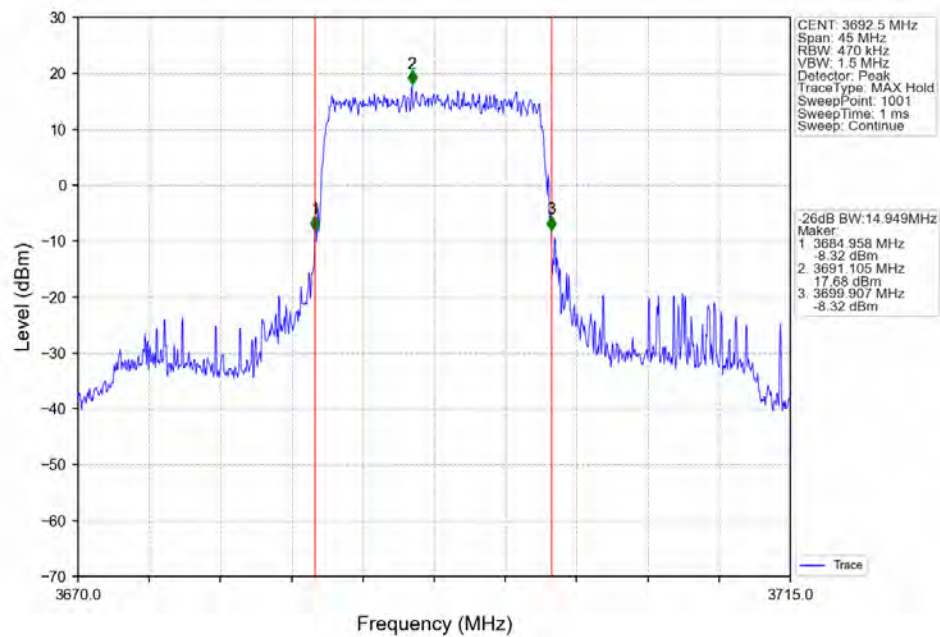
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



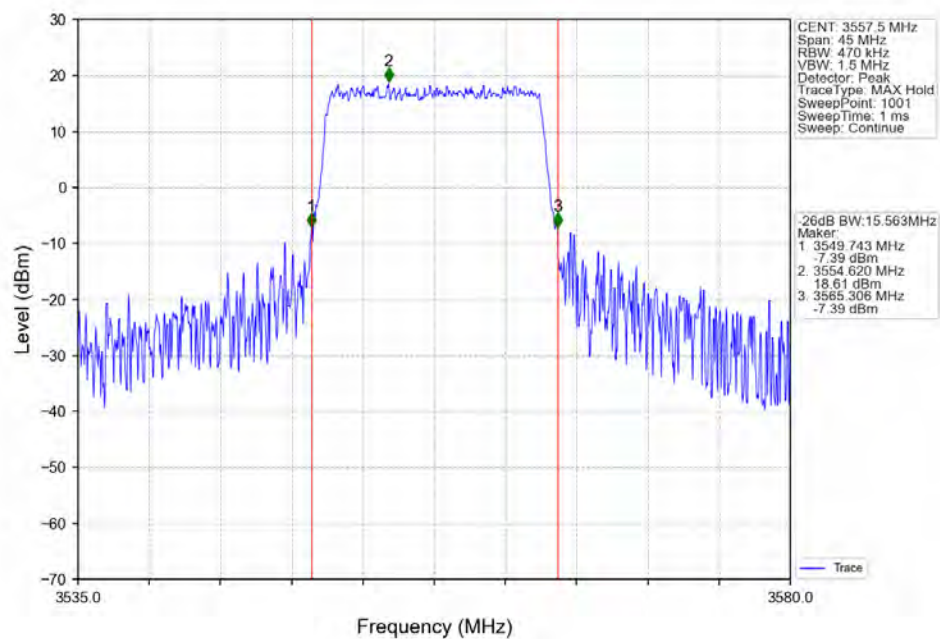
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



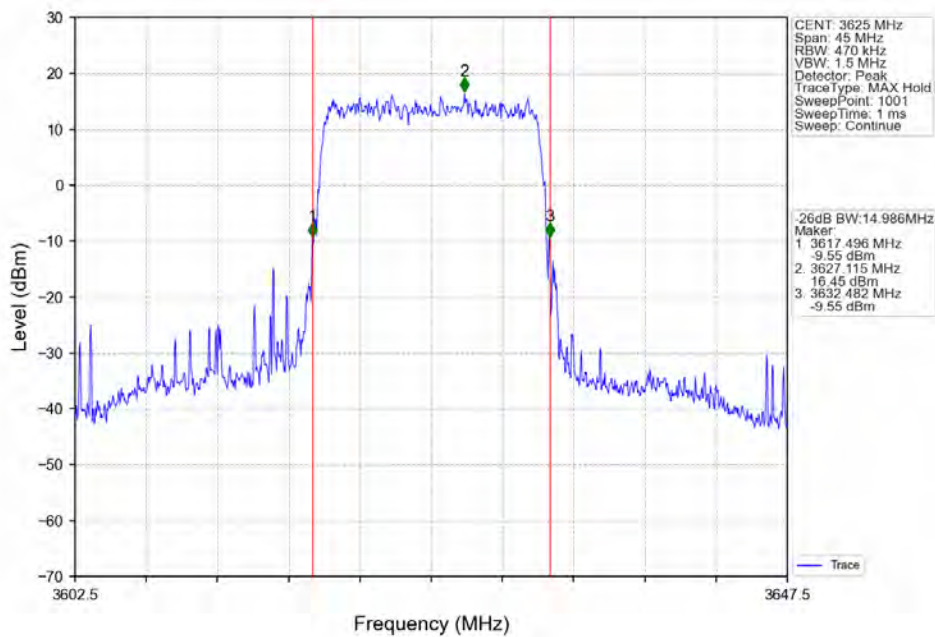
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



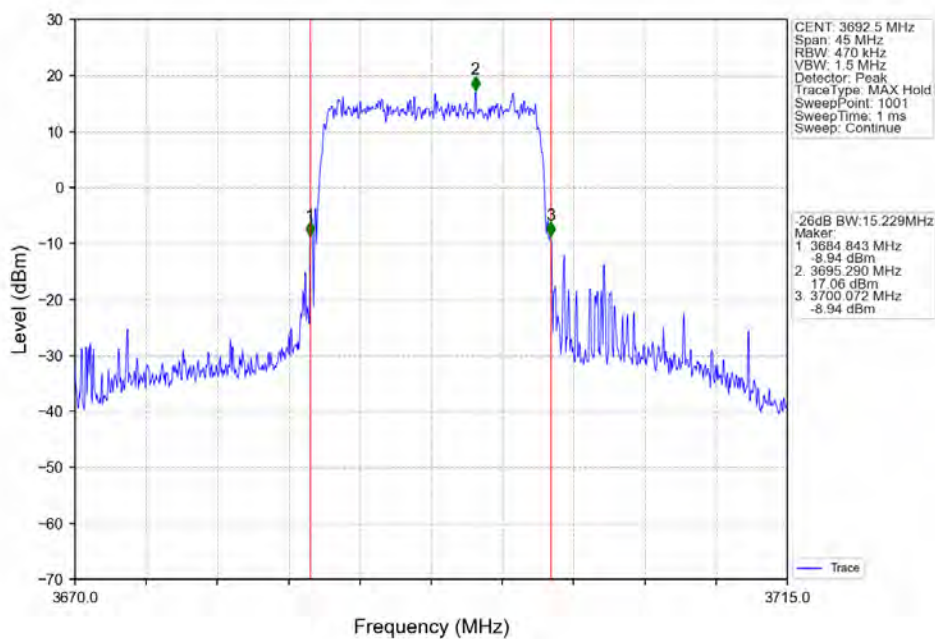
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



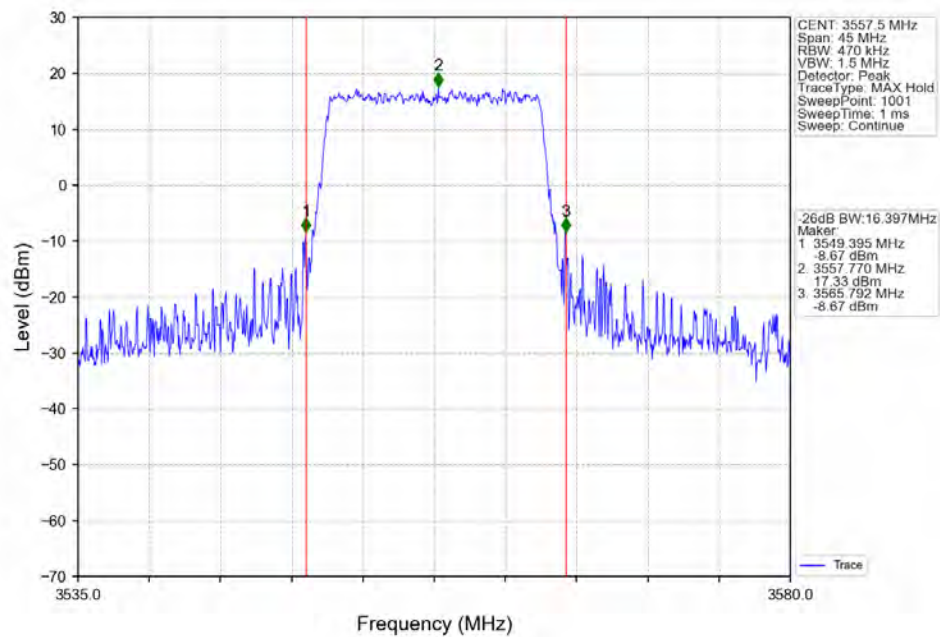
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



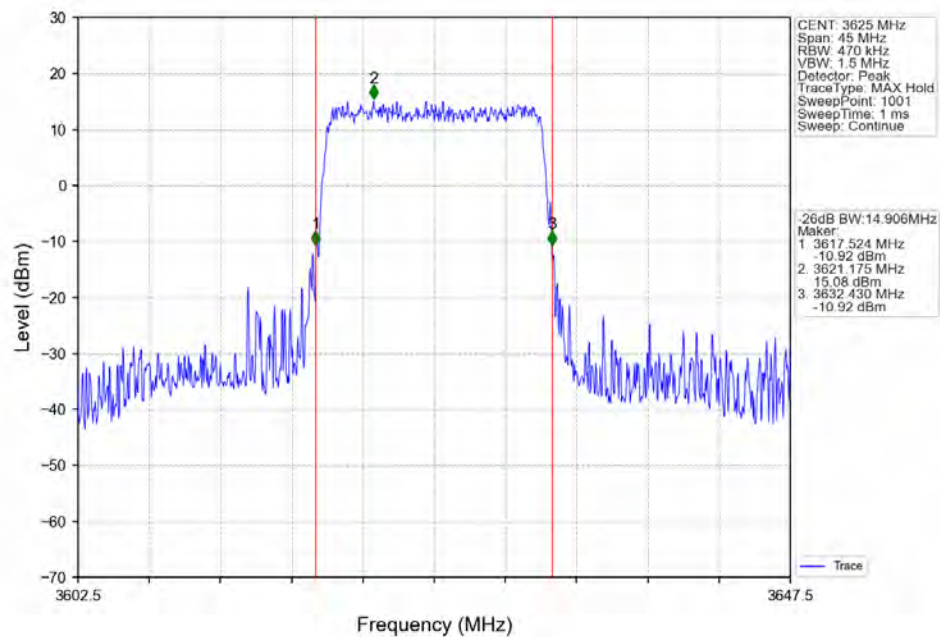
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



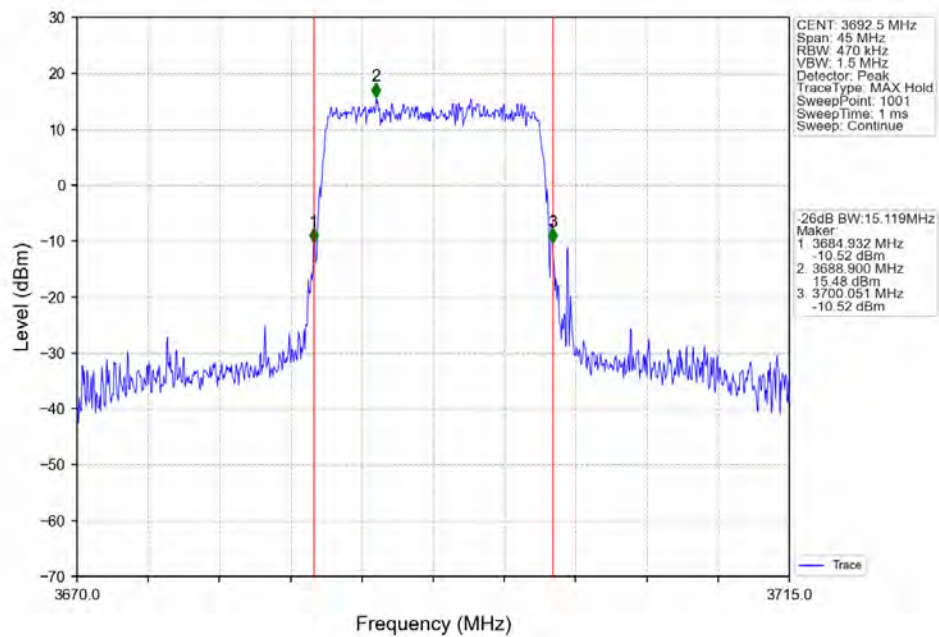
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



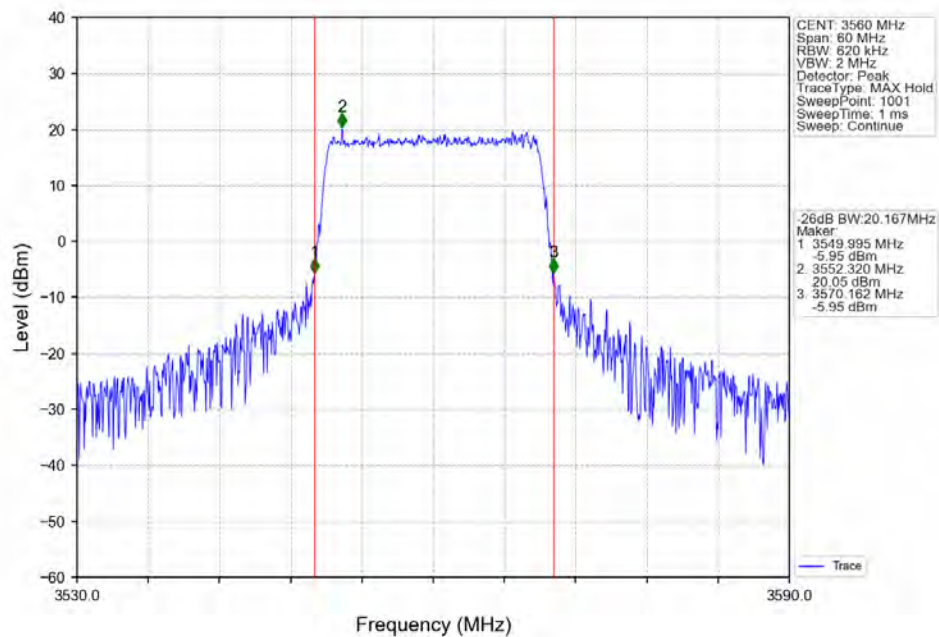
Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



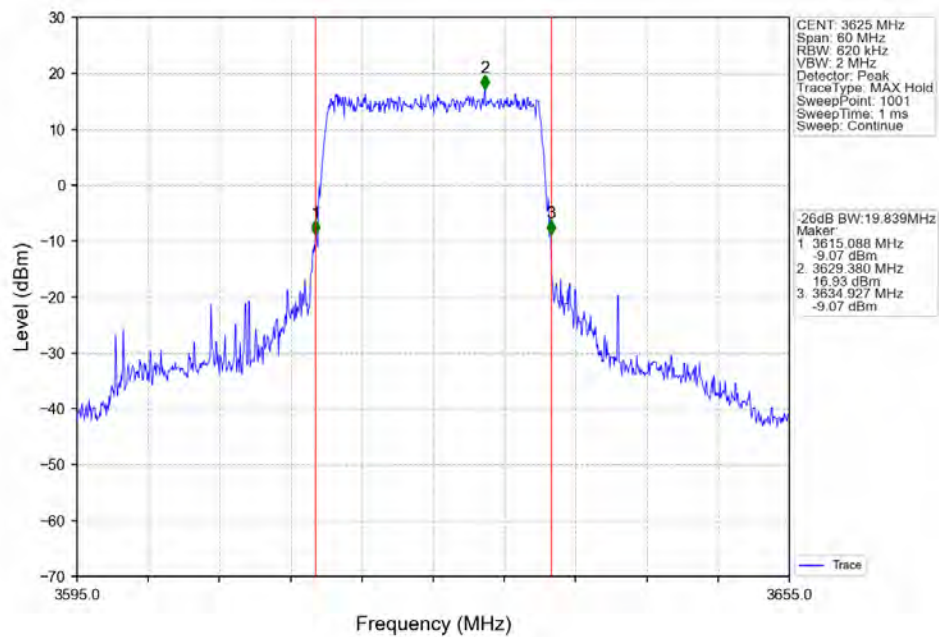
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



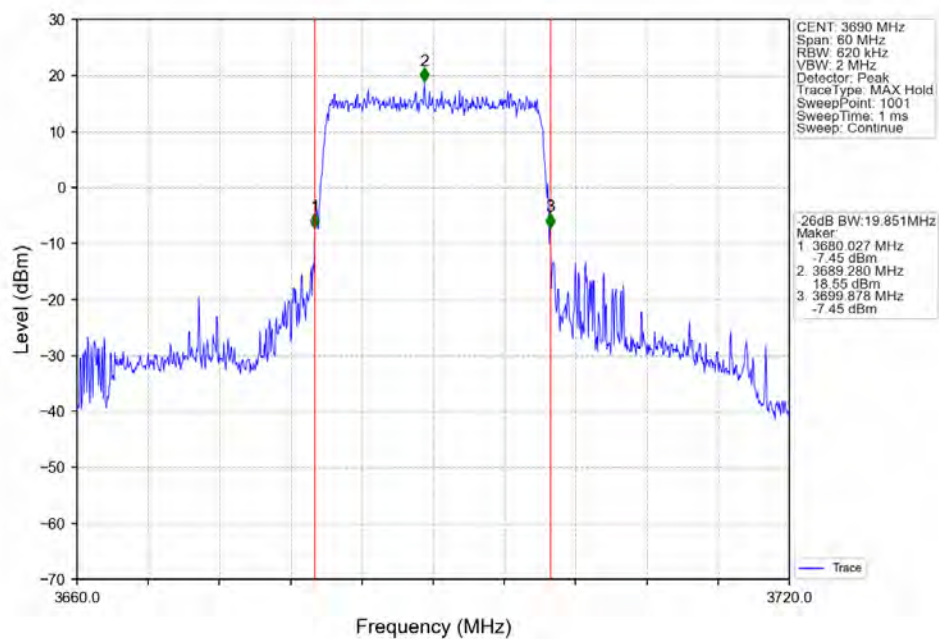
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



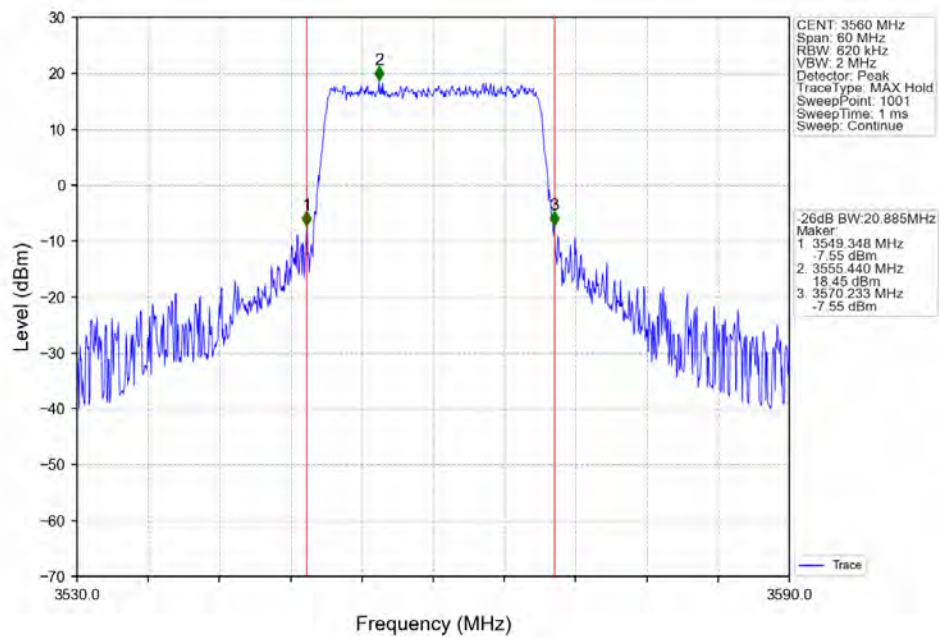
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTNV



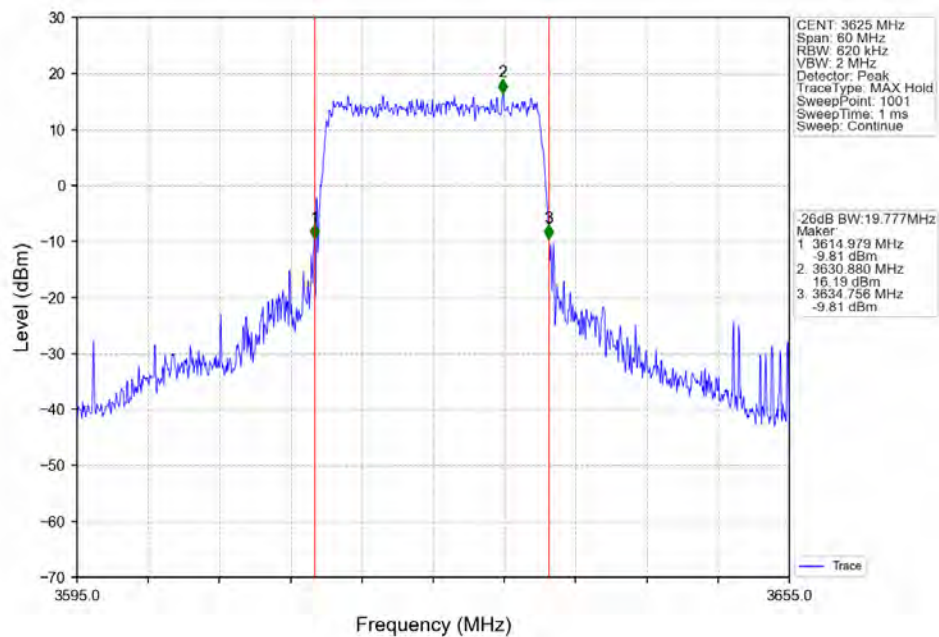
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



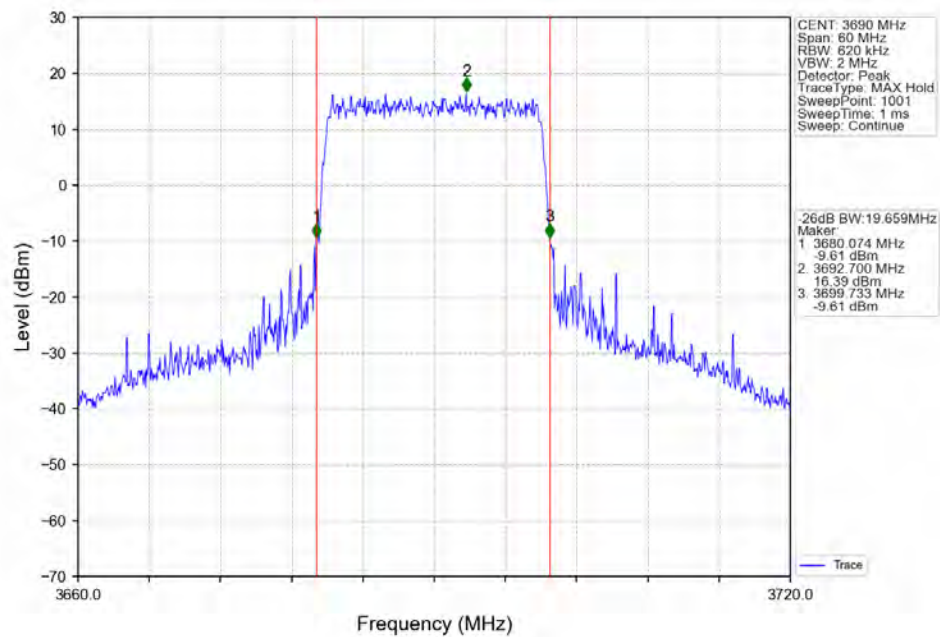
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTN



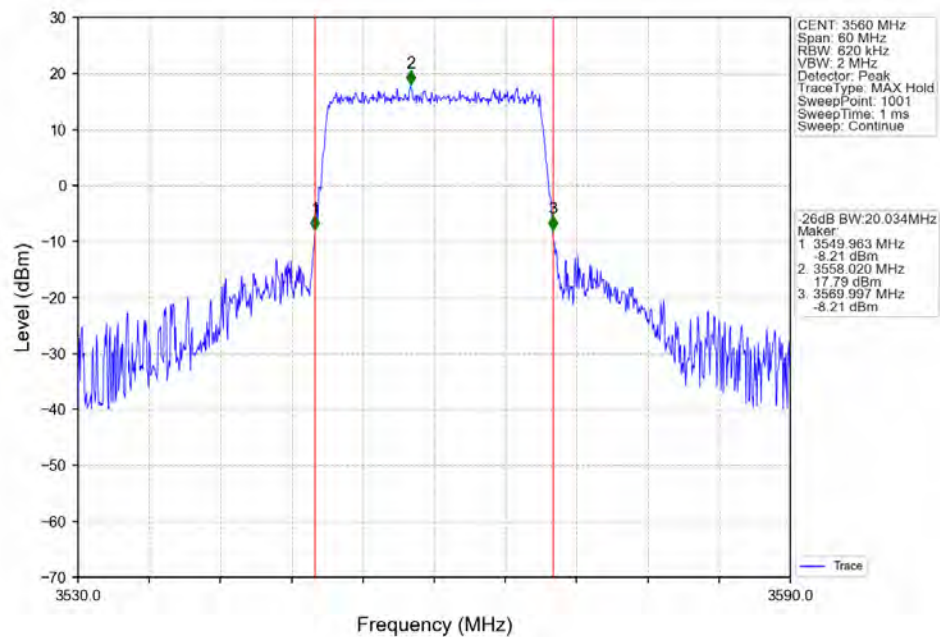
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTN



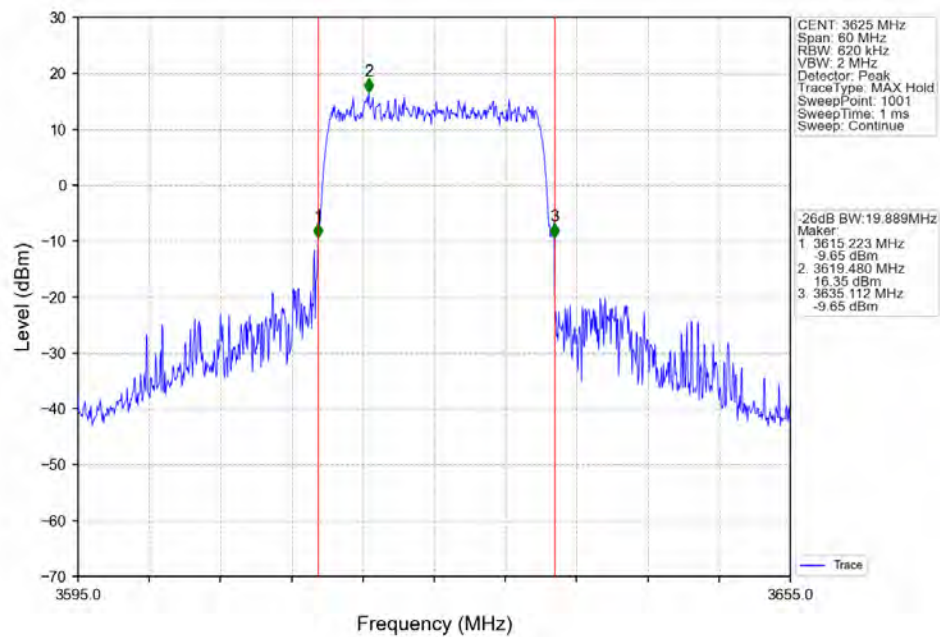
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



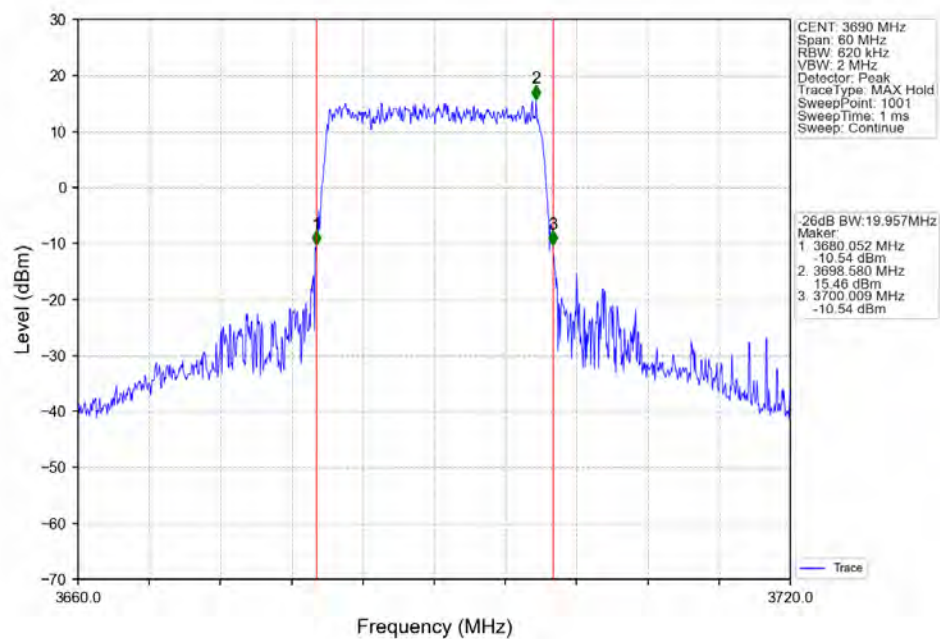
Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 B48_5MHz

4.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	7.05	<=13	Pass
	3625	25	0	7.10	<=13	Pass
	3697.5	25	0	7.20	<=13	Pass
16QAM	3552.5	25	0	8.03	<=13	Pass
	3625	25	0	8.33	<=13	Pass
	3697.5	25	0	8.41	<=13	Pass
64QAM	3552.5	25	0	12.43	<=13	Pass
	3625	25	0	12.85	<=13	Pass
	3697.5	25	0	12.54	<=13	Pass

4.2 B48_10MHz

4.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	6.84	<=13	Pass
	3625	50	0	7.07	<=13	Pass
	3695	50	0	7.06	<=13	Pass
16QAM	3555	50	0	8.06	<=13	Pass
	3625	50	0	8.09	<=13	Pass
	3695	50	0	8.13	<=13	Pass
64QAM	3555	50	0	12.43	<=13	Pass
	3625	50	0	12.57	<=13	Pass
	3695	50	0	12.87	<=13	Pass

4.3 B48_15MHz

4.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	6.90	<=13	Pass
	3625	75	0	7.05	<=13	Pass
	3692.5	75	0	7.30	<=13	Pass
16QAM	3557.5	75	0	8.50	<=13	Pass
	3625	75	0	8.61	<=13	Pass
	3692.5	75	0	8.51	<=13	Pass
64QAM	3557.5	75	0	11.21	<=13	Pass
	3625	75	0	8.68	<=13	Pass
	3692.5	75	0	11.34	<=13	Pass

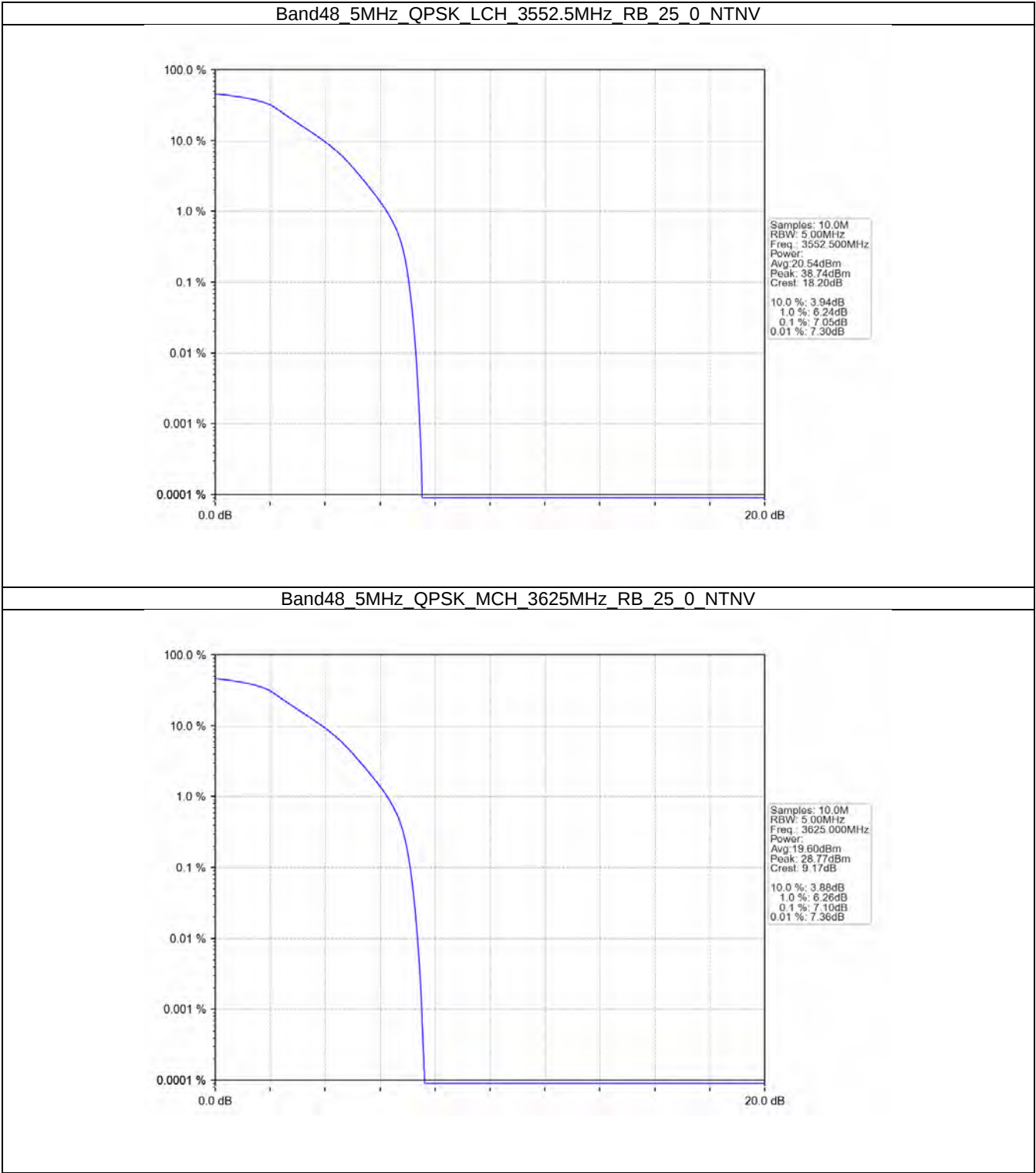
4.4 B48_20MHz

4.4.1 Test Result

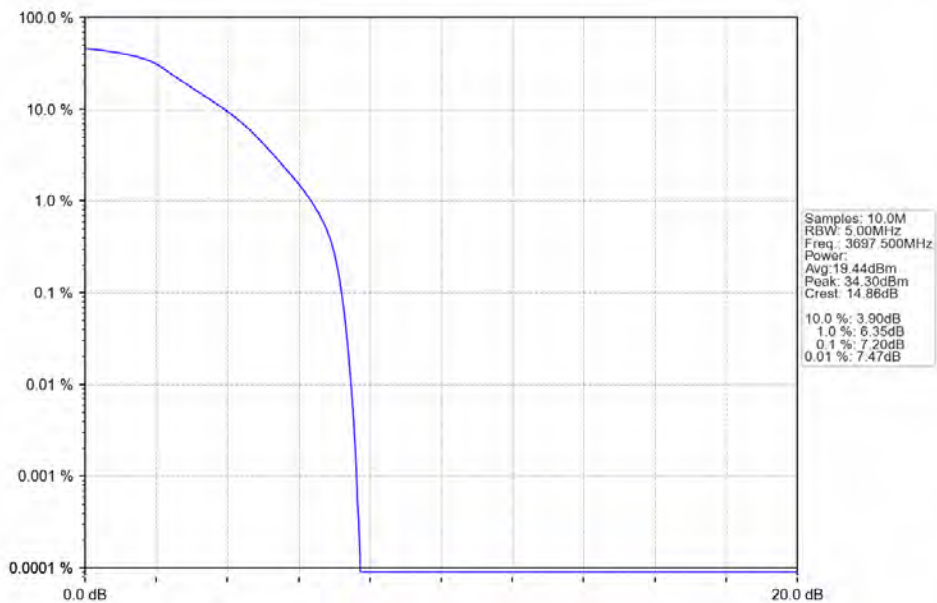
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	7.00	<=13	Pass
	3625	100	0	7.01	<=13	Pass
	3690	100	0	7.10	<=13	Pass
16QAM	3560	100	0	8.06	<=13	Pass
	3625	100	0	8.15	<=13	Pass
	3690	100	0	7.95	<=13	Pass
64QAM	3560	100	0	10.66	<=13	Pass
	3625	100	0	10.86	<=13	Pass
	3690	100	0	10.89	<=13	Pass

4.1 B48_5MHz

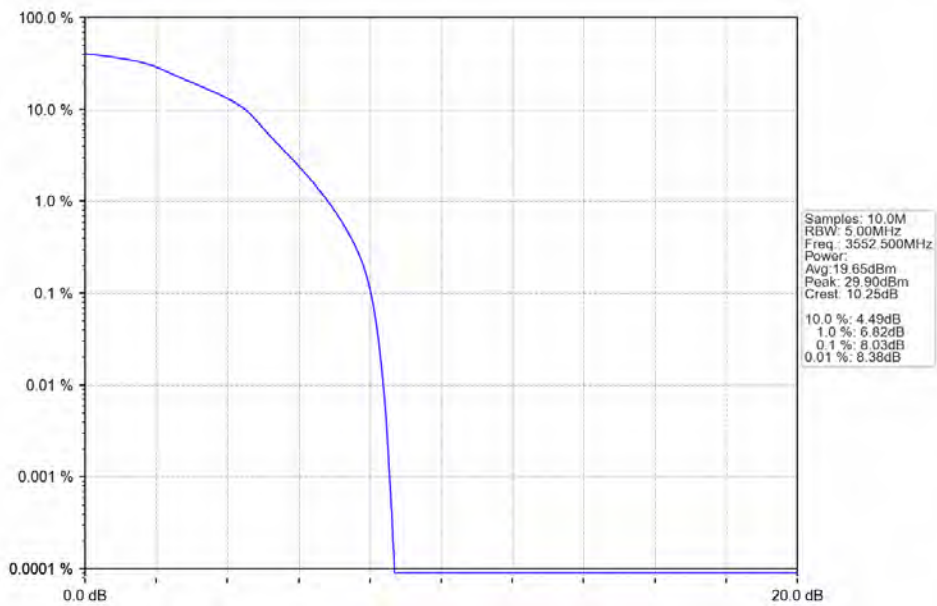
4.1.2 Test Graph



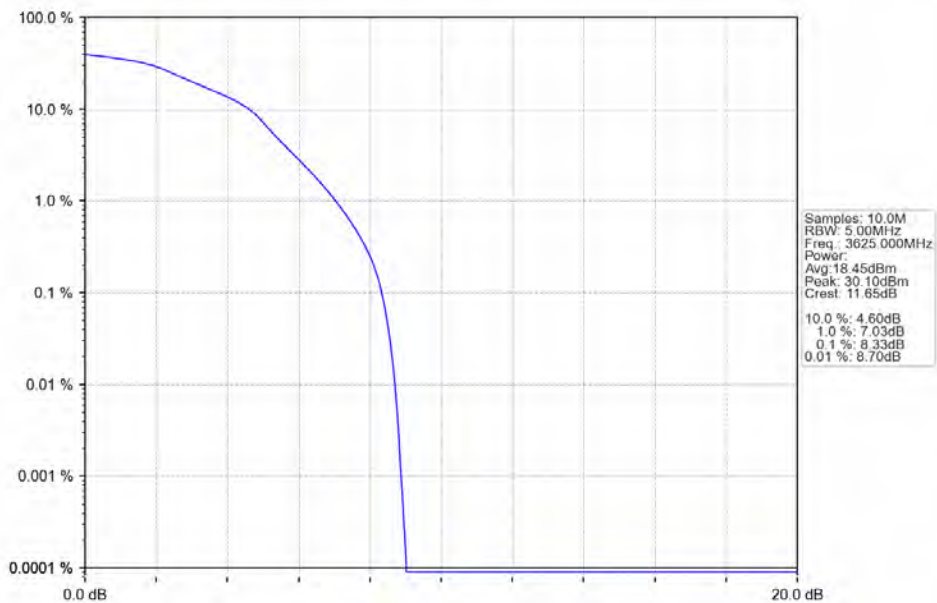
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



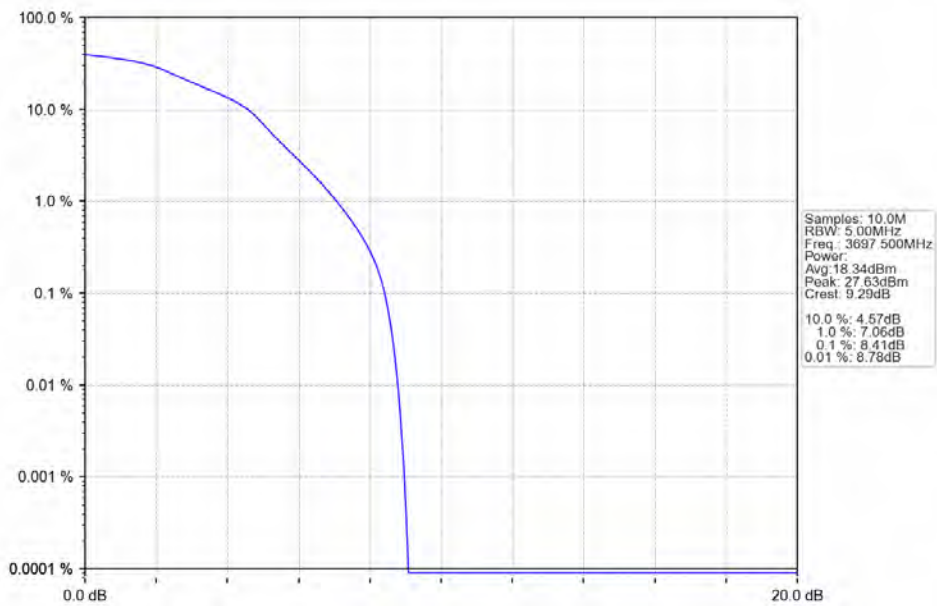
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



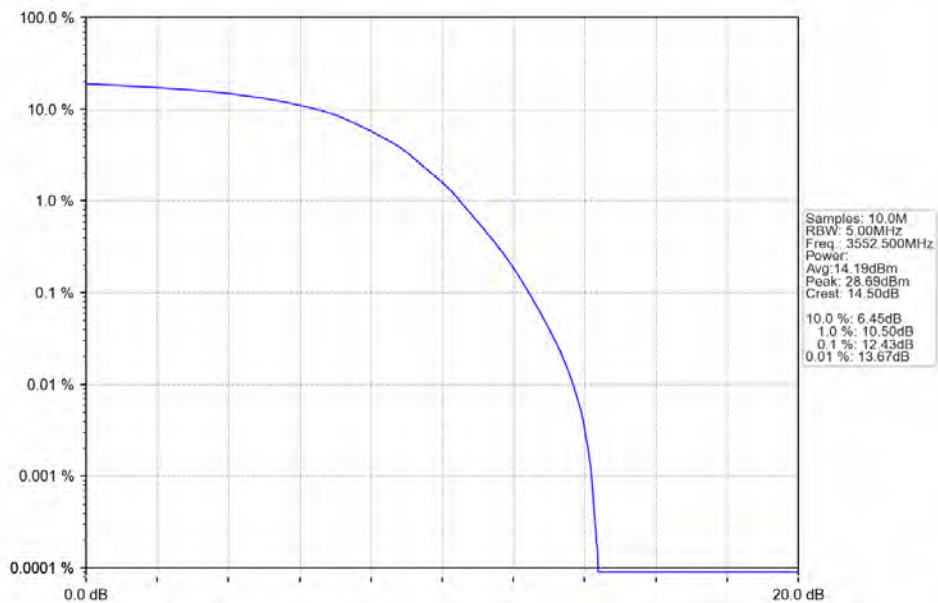
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



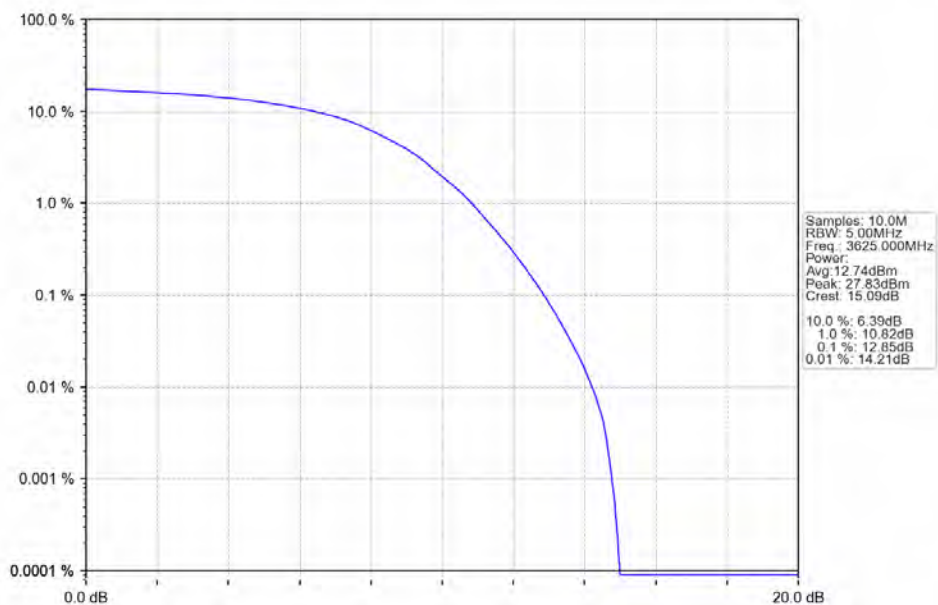
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

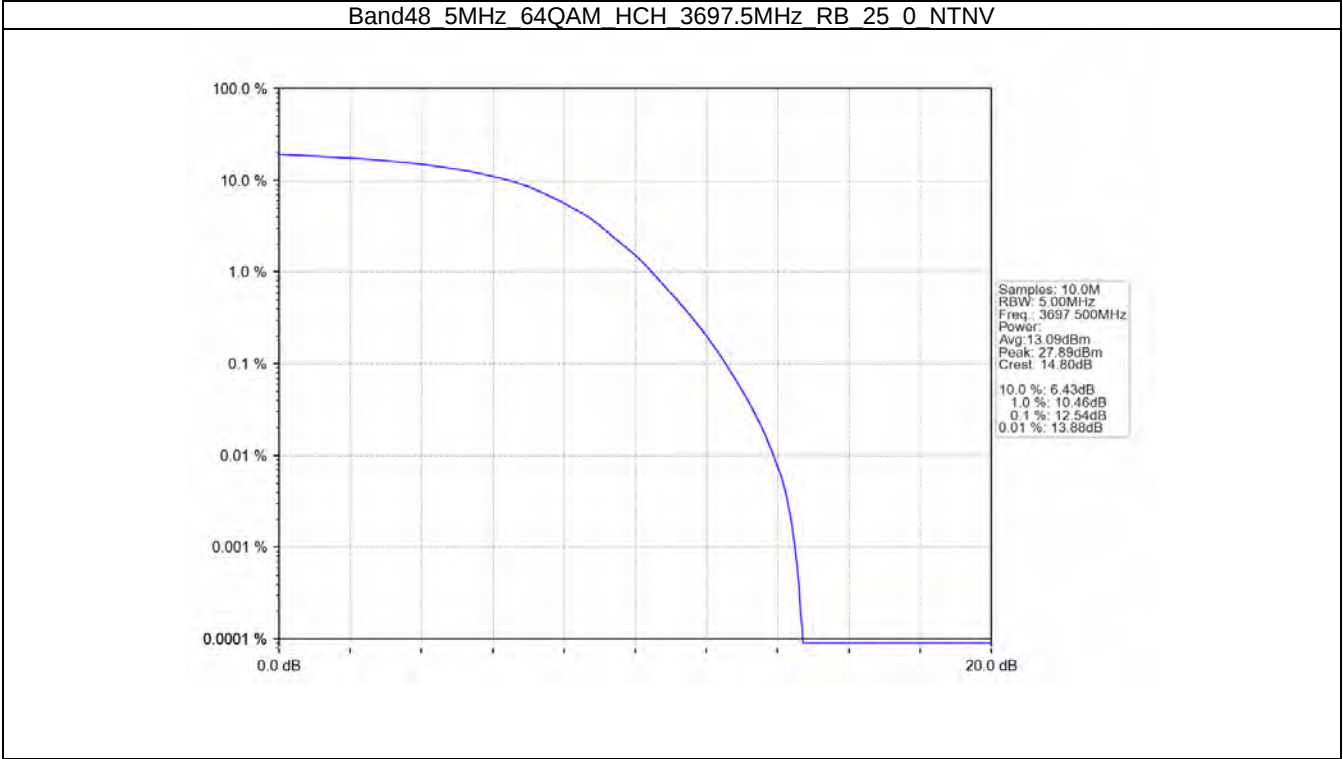


Band48 5MHz 64QAM LCH 3552.5MHz RB 25 0 NTNV



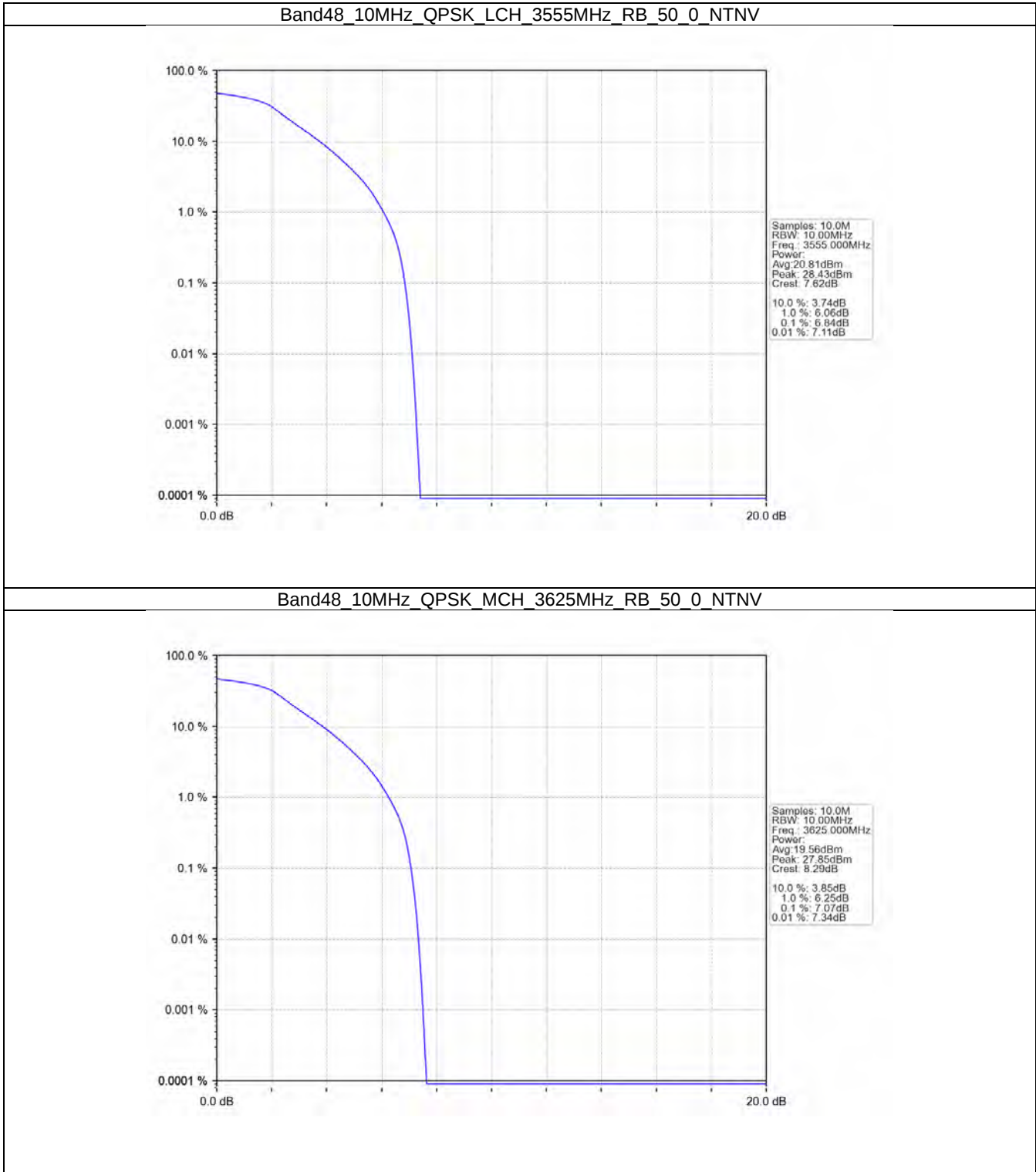
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



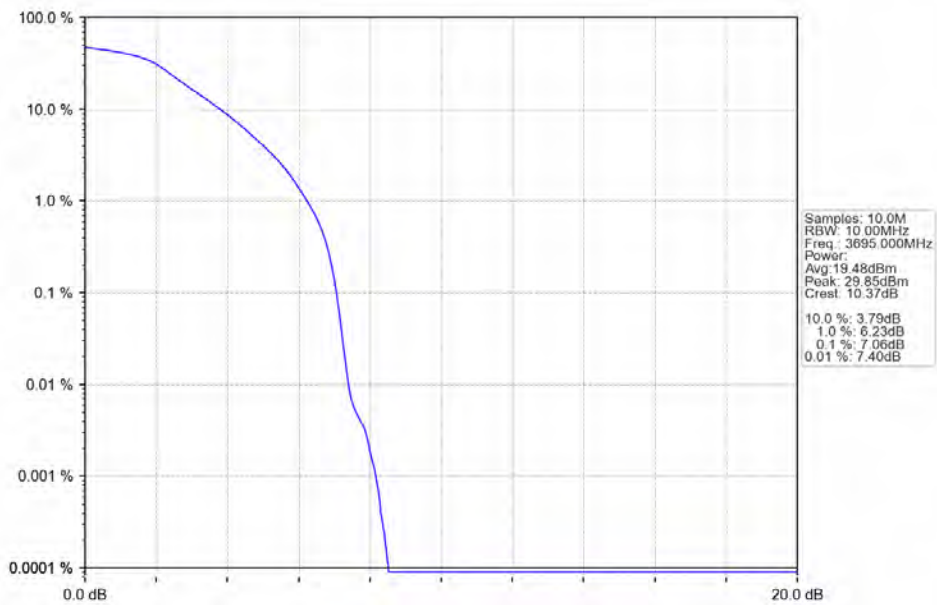


4.2 B48_10MHz

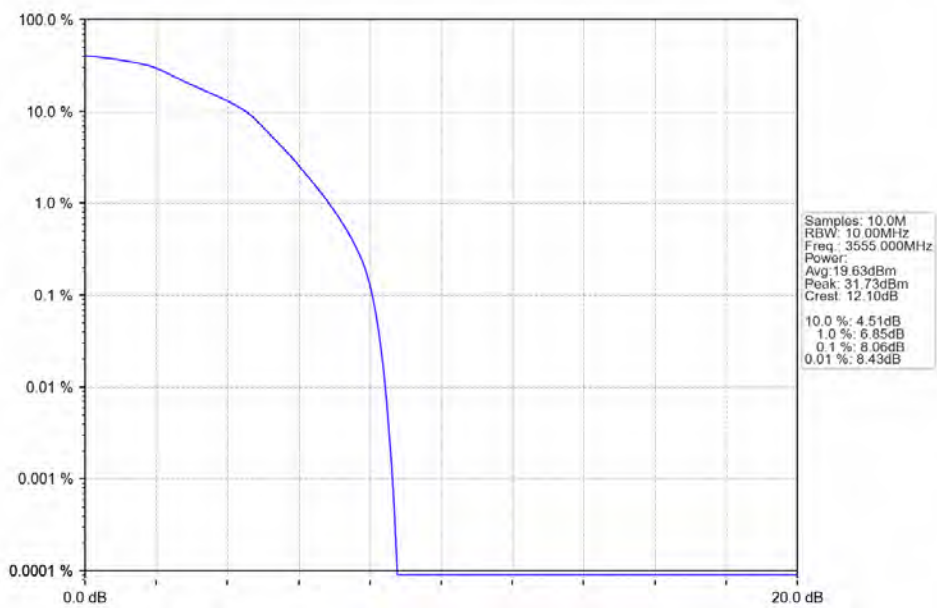
4.2.2 Test Graph



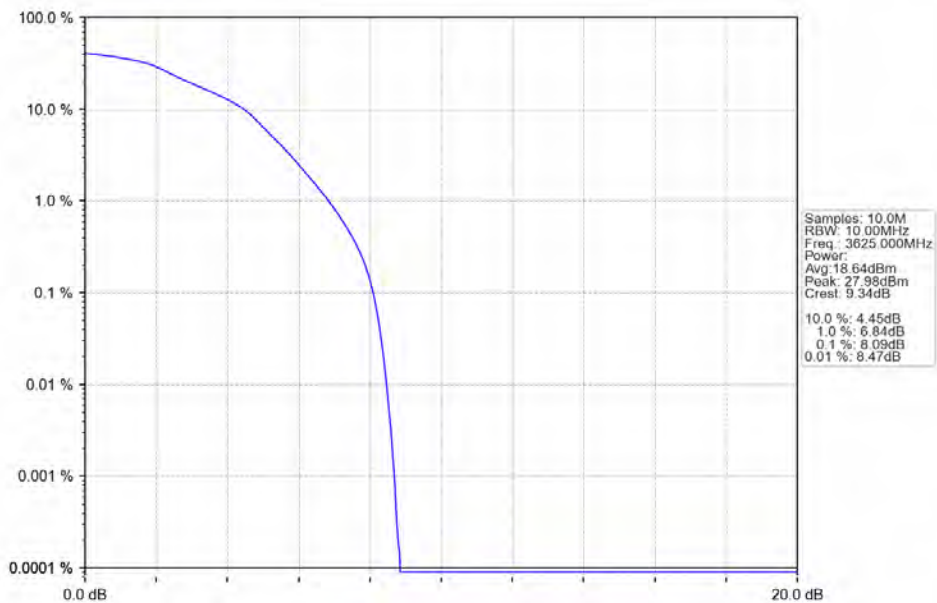
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



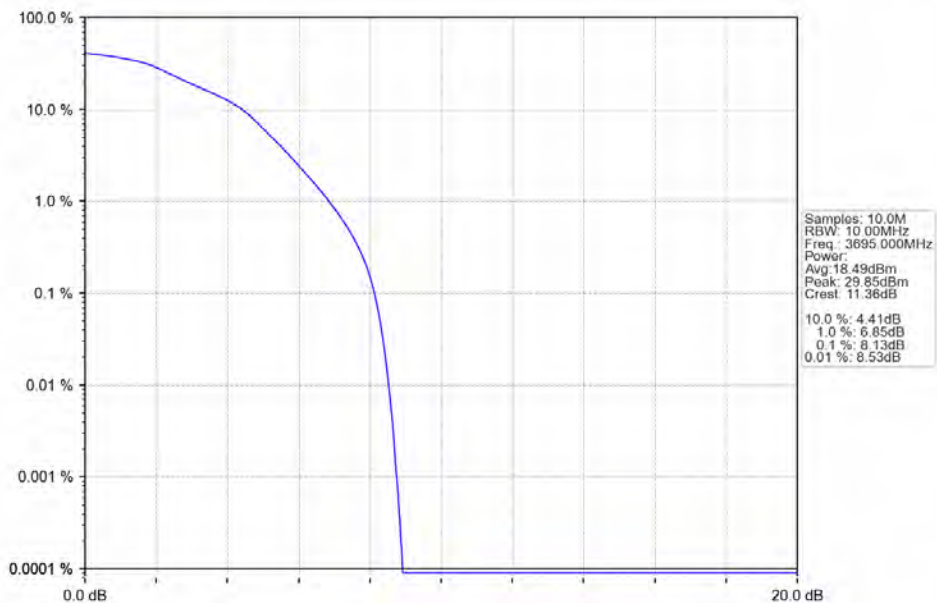
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



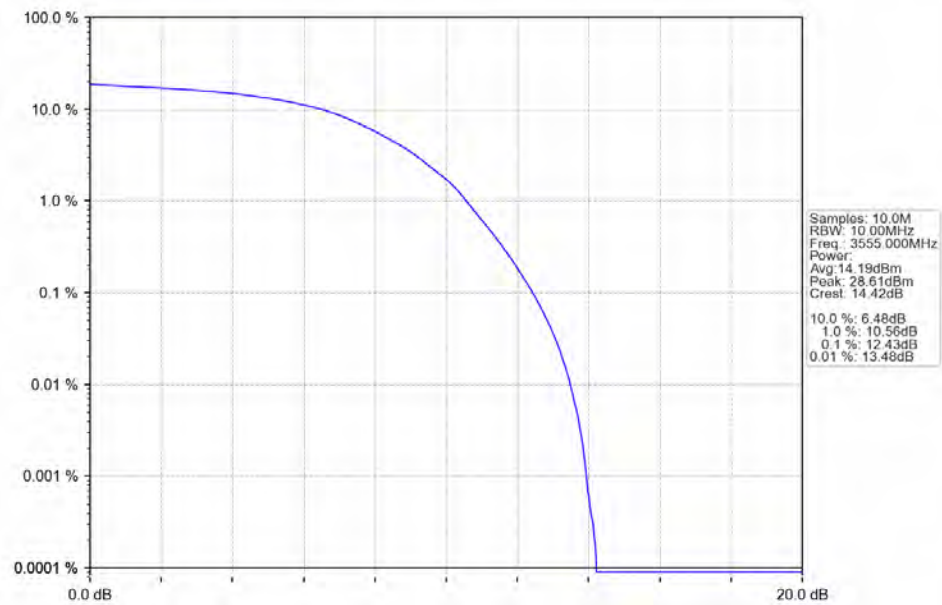
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



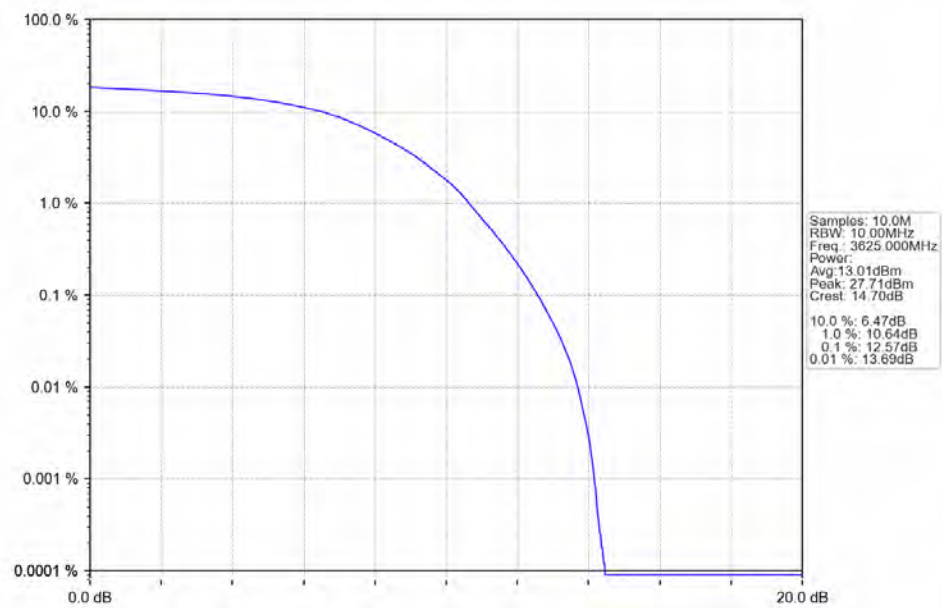
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV

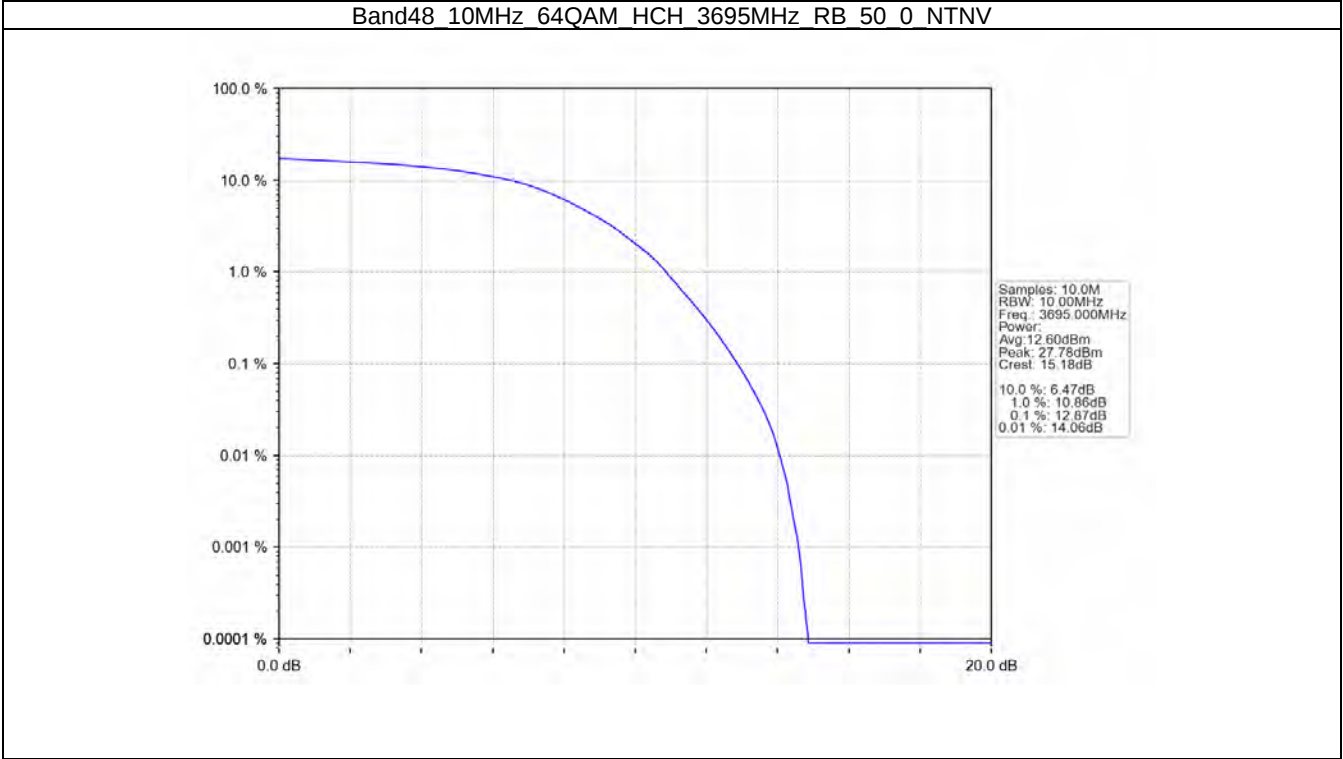


Band48_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



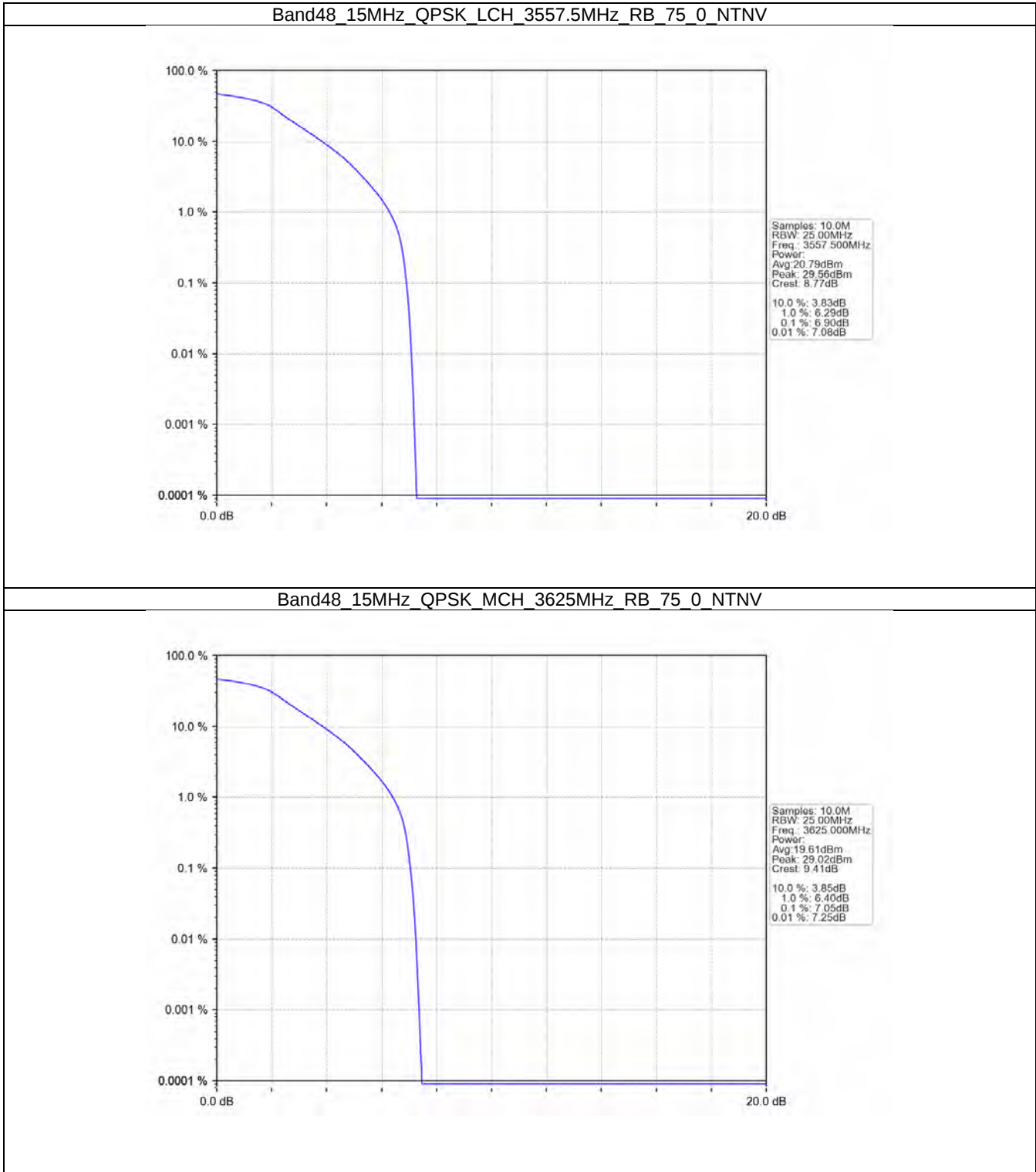
Band48_10MHz_64QAM_MCH_3625MHz_RB_50_0_NTNV



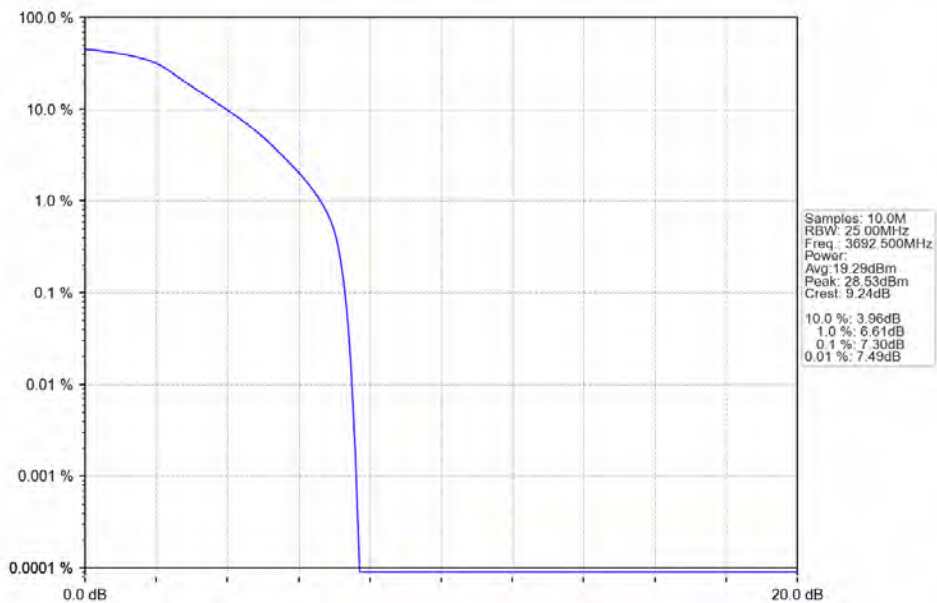


4.3 B48_15MHz

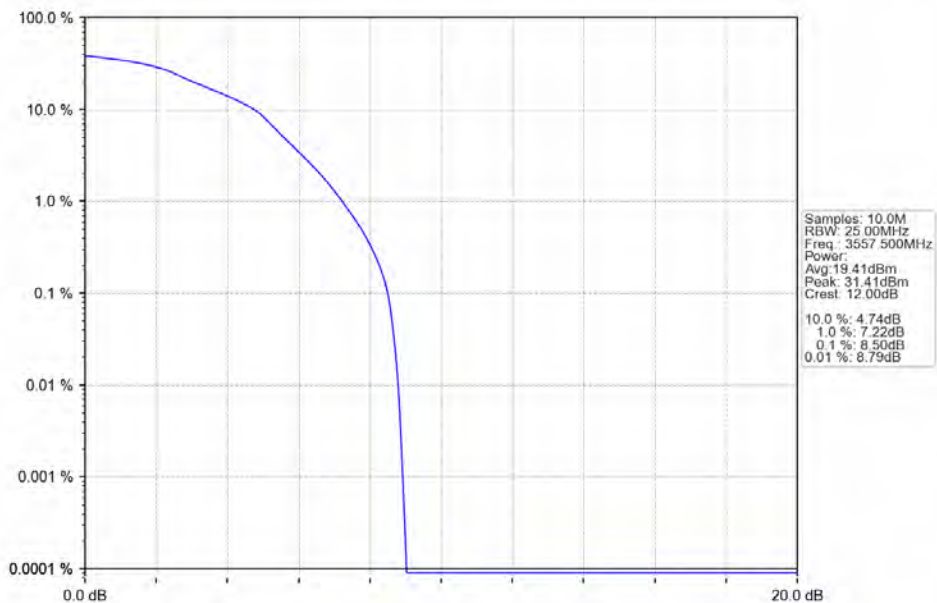
4.3.2 Test Graph



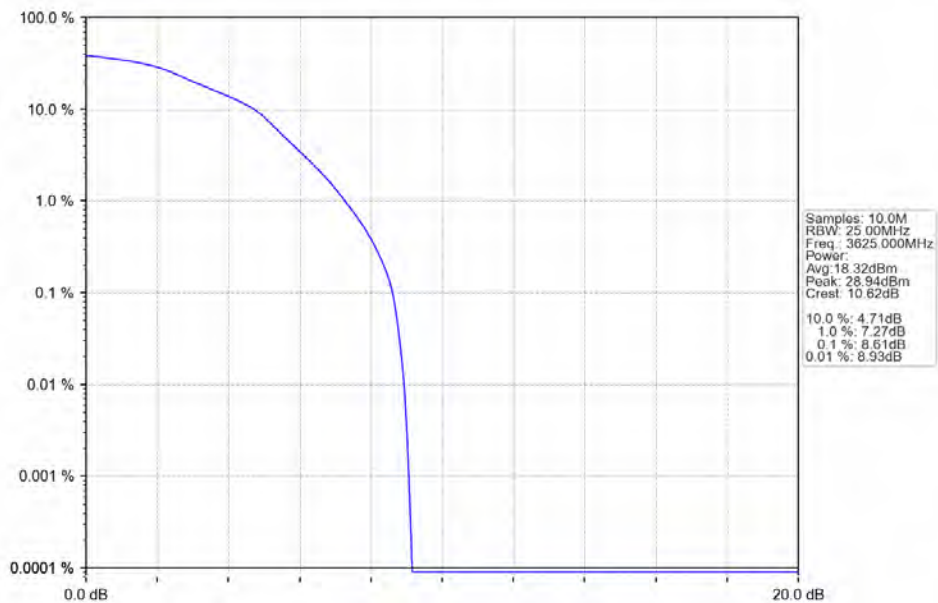
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



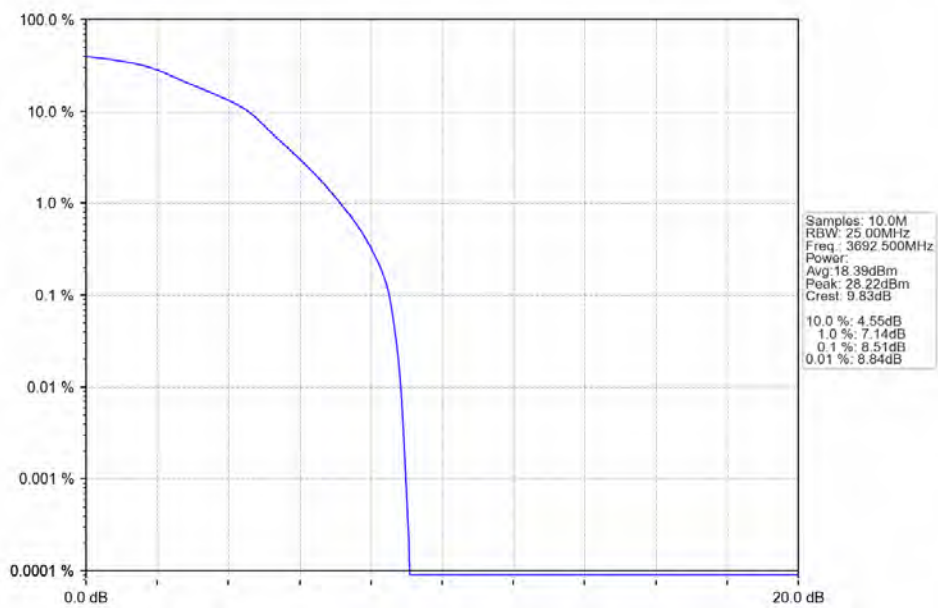
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



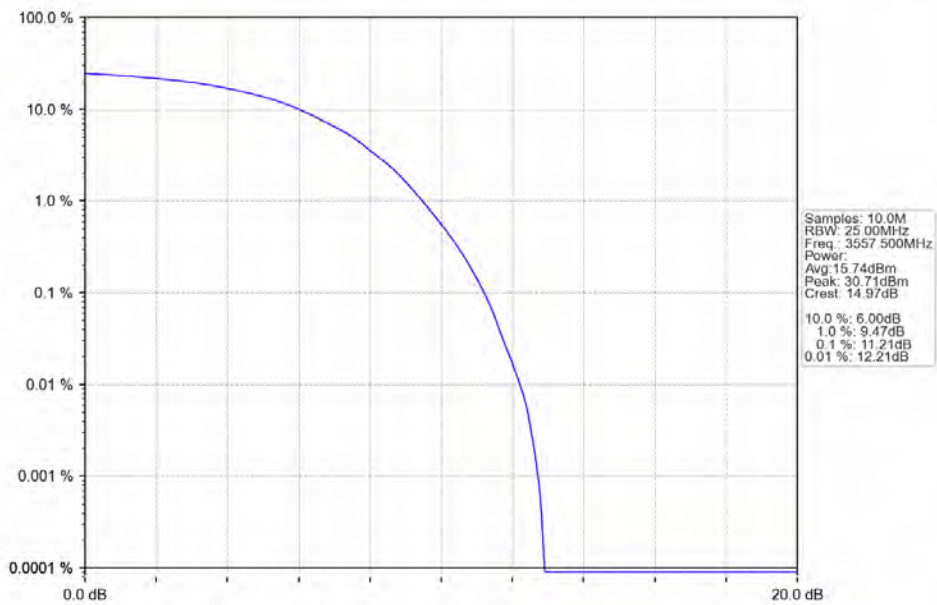
Band48 15MHz 16QAM MCH 3625MHz RB 75 0 NTNV



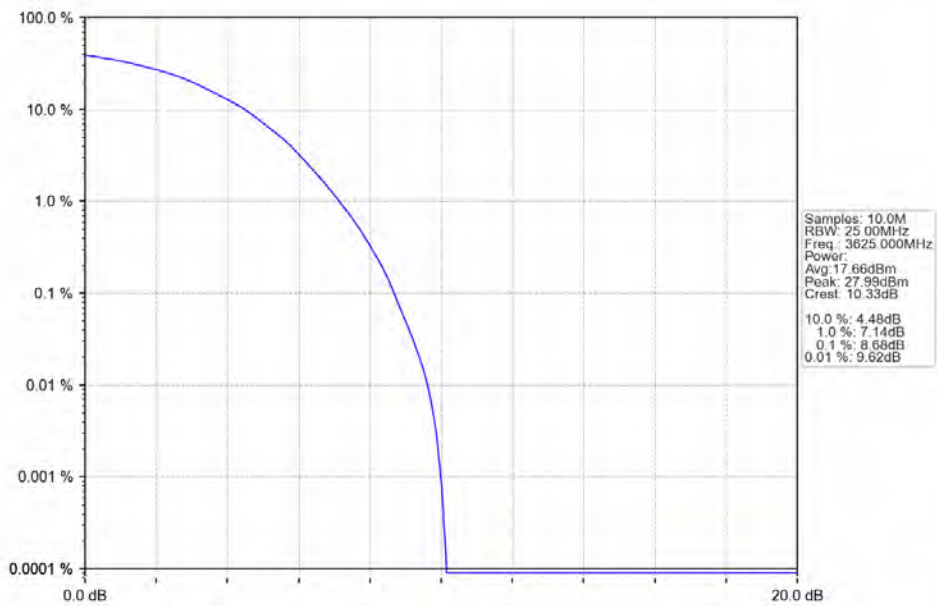
Band48 15MHz 16QAM HCH 3692.5MHz RB 75 0 NTNV



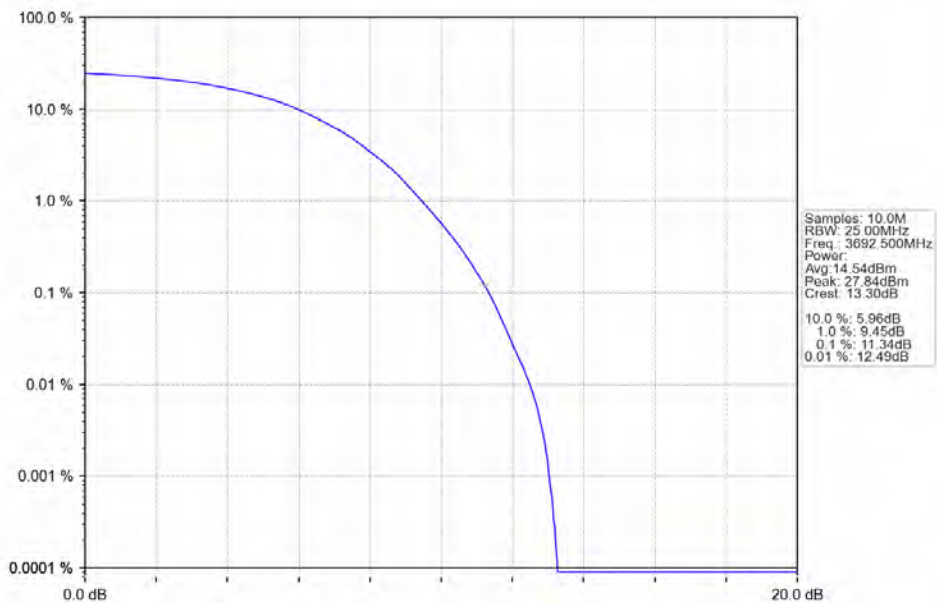
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV

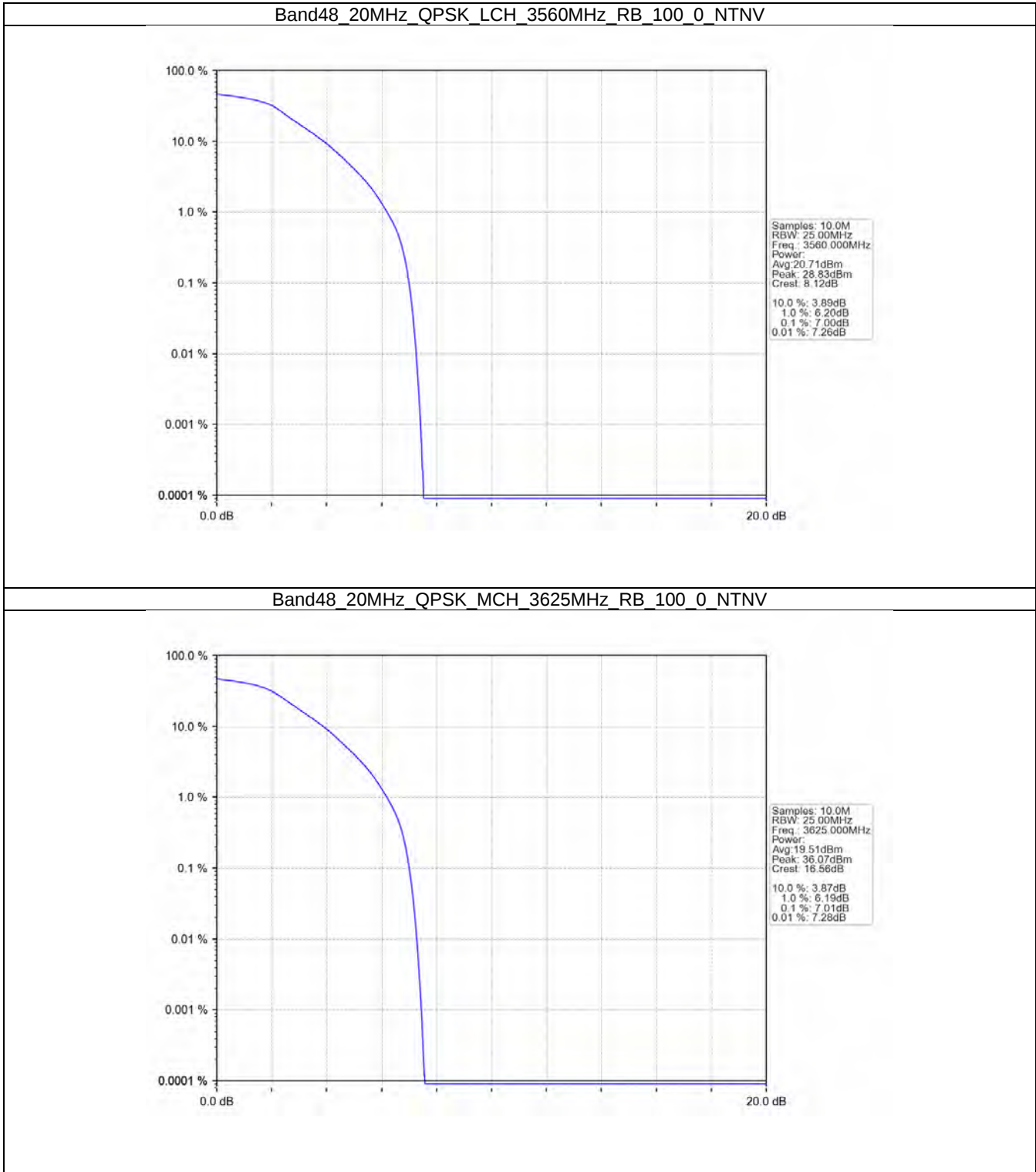


Band48 15MHz 64QAM HCH 3692.5MHz RB 75 0 NTV

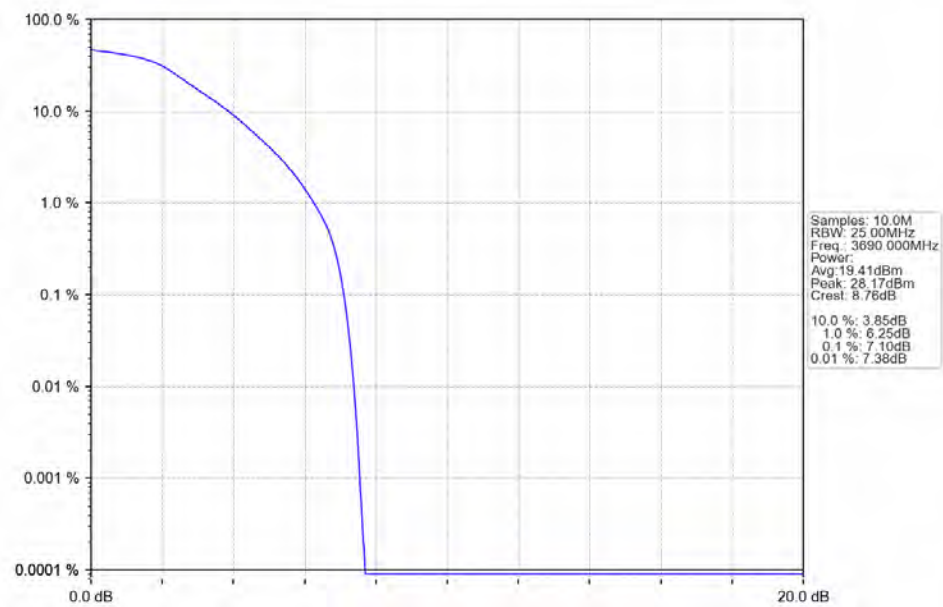


4.4 B48_20MHz

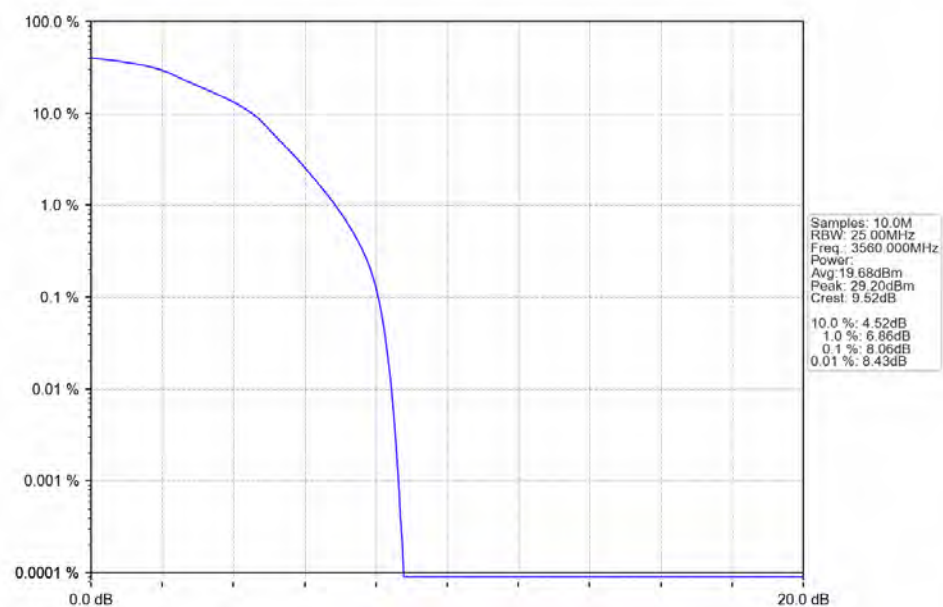
4.4.2 Test Graph



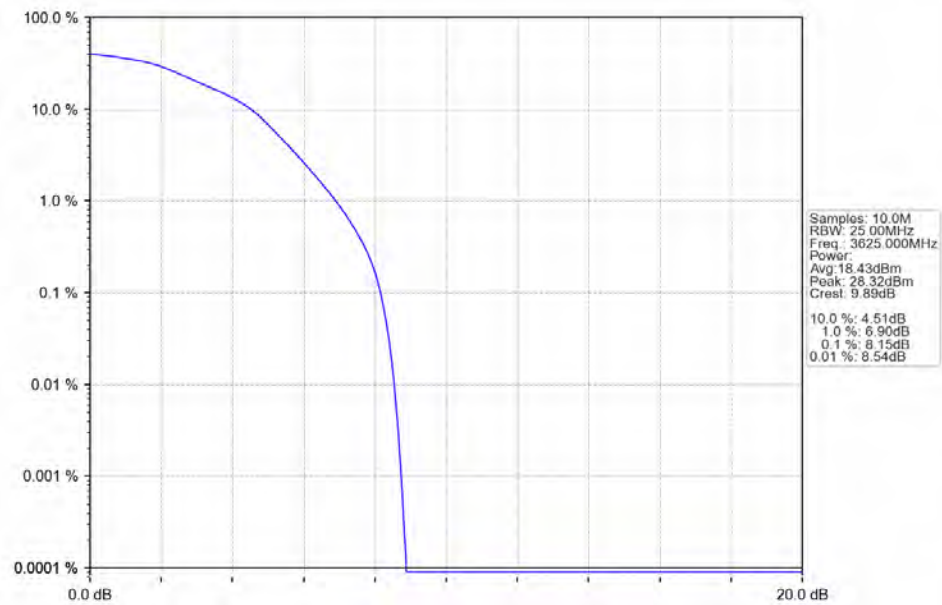
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTV



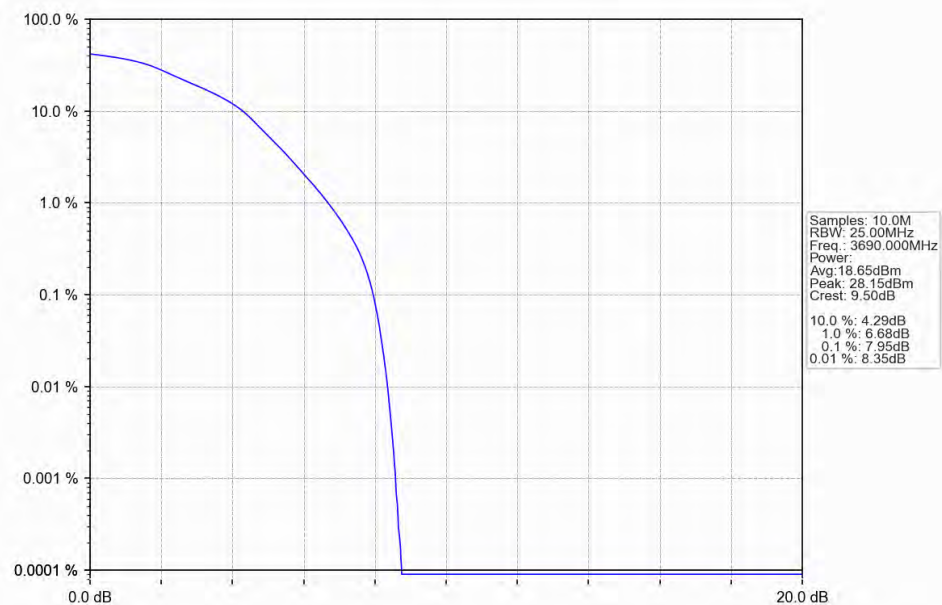
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTV



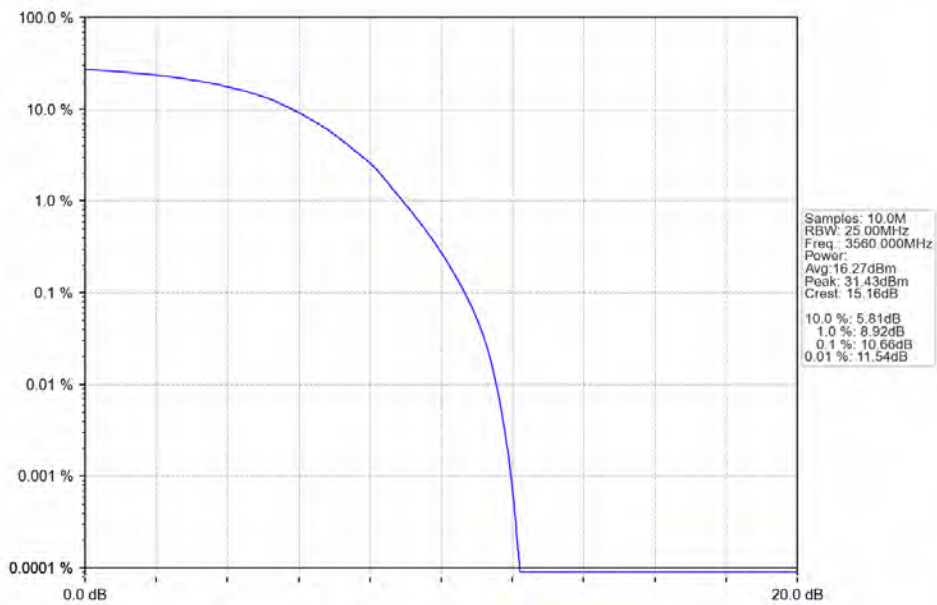
Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



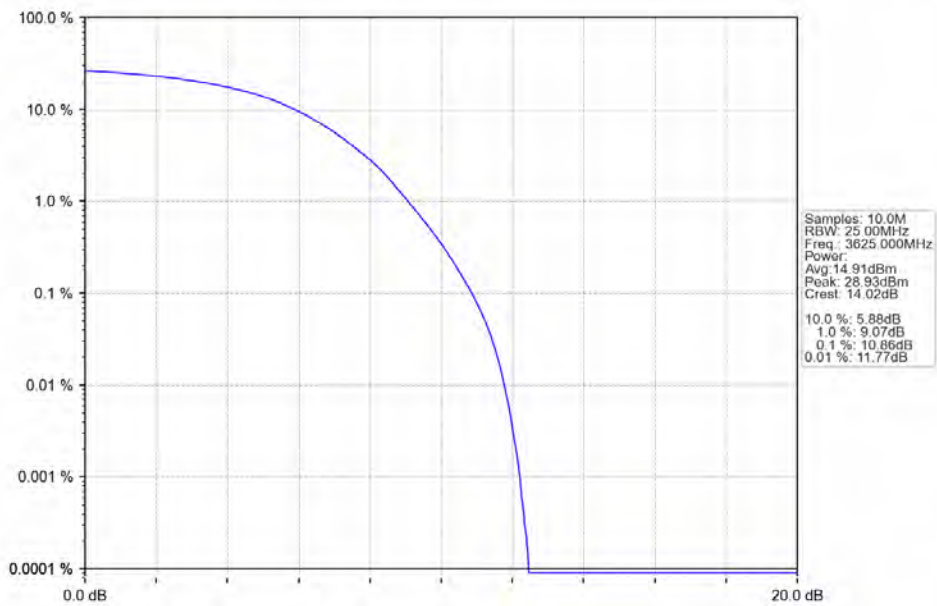
Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV





5. Spurious Emission

5.1 B48_5MHz

5.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.2 B48_10MHz

5.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.3 B48_15MHz

5.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.4 B48_20MHz

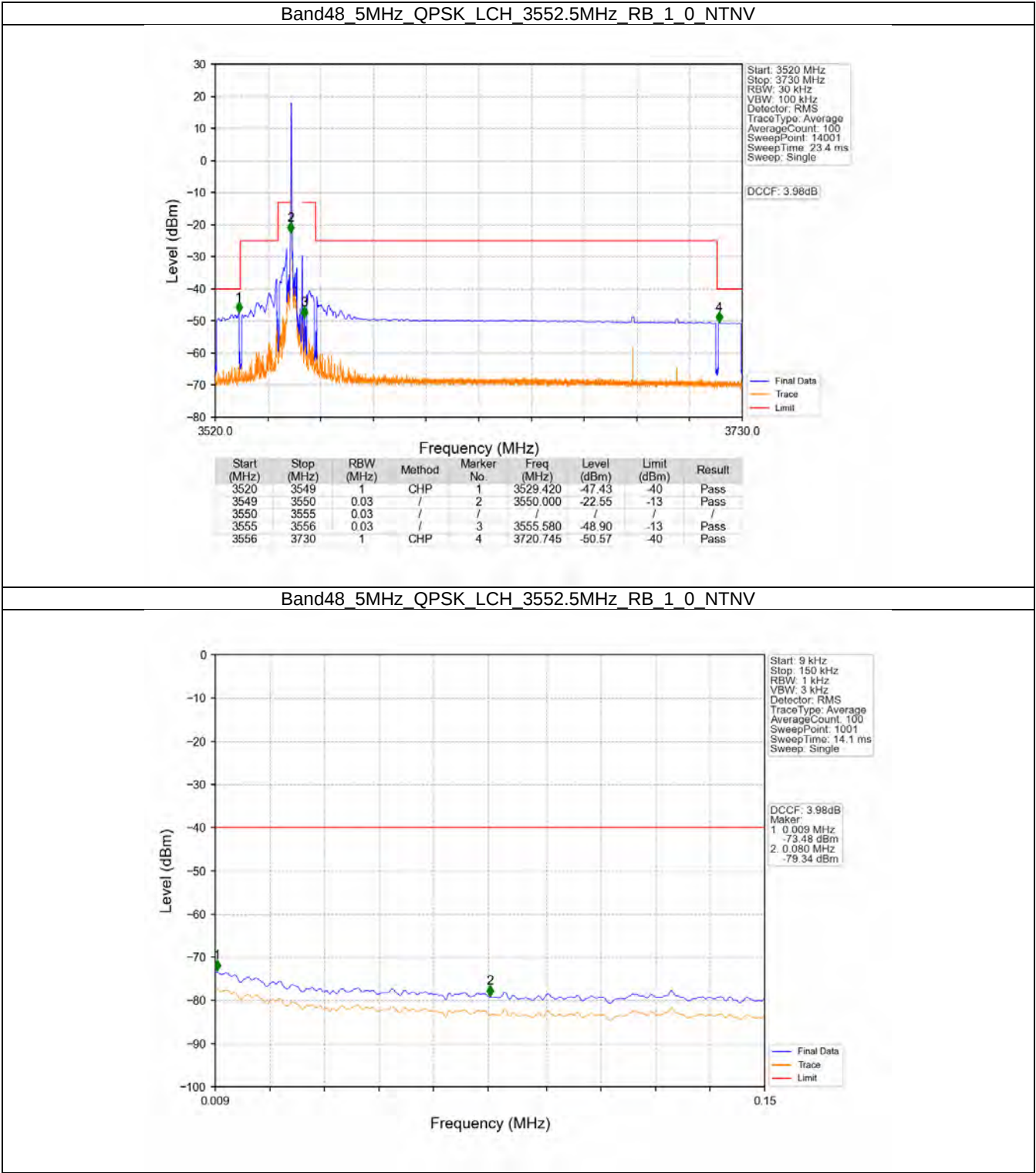
5.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

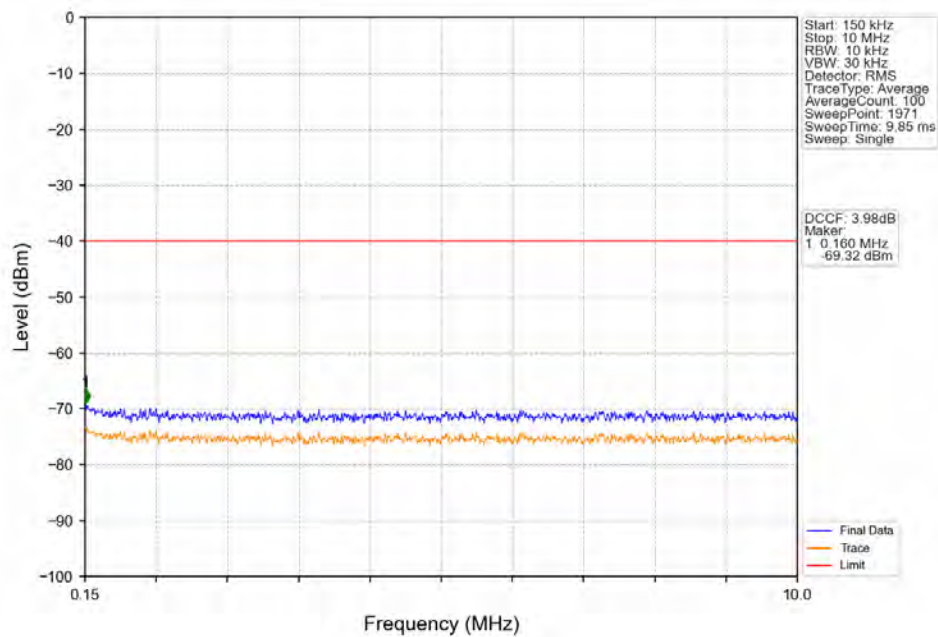
	(MHz)	Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.1 B48_5MHz

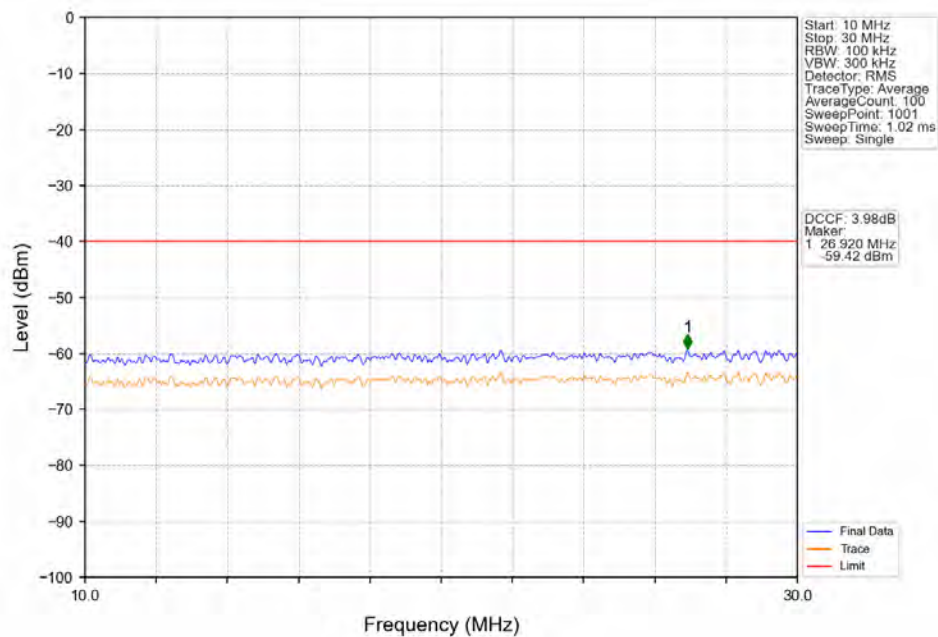
5.1.2 Test Graph



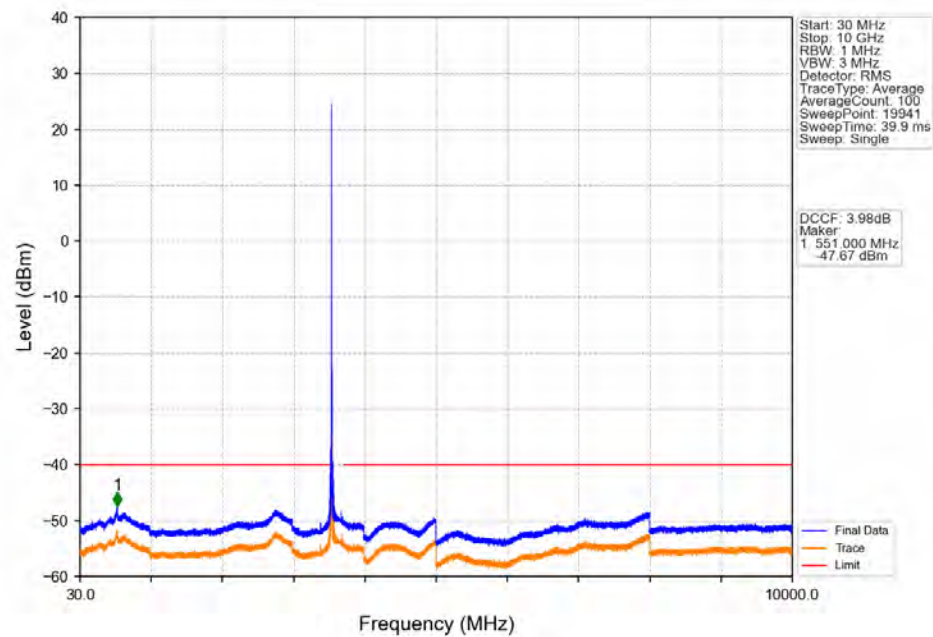
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



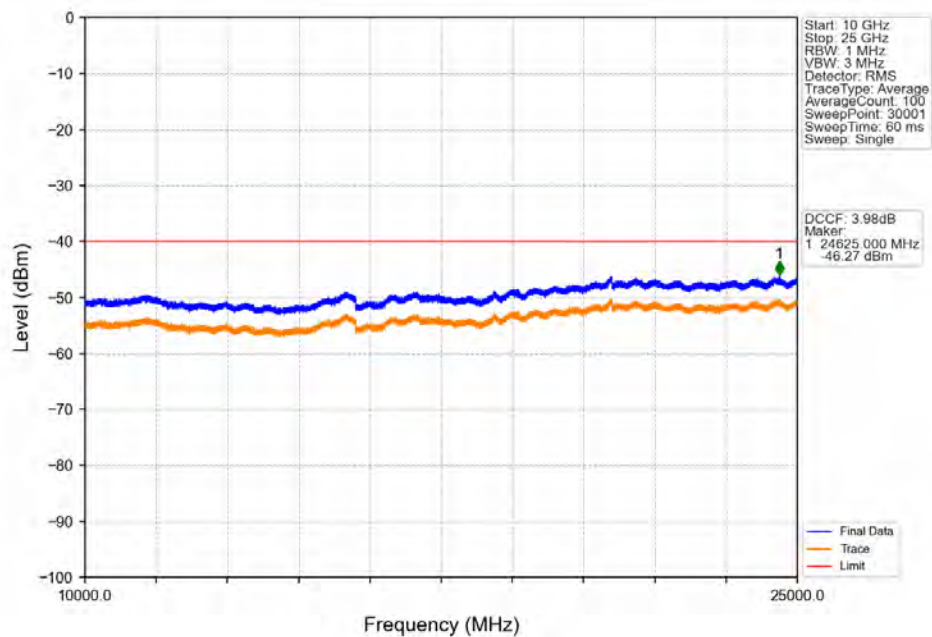
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



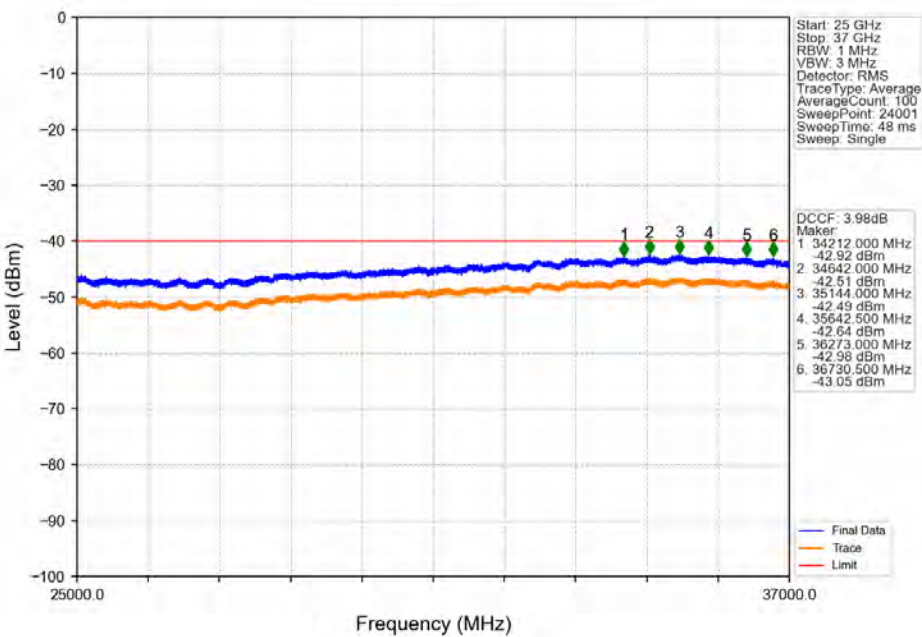
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



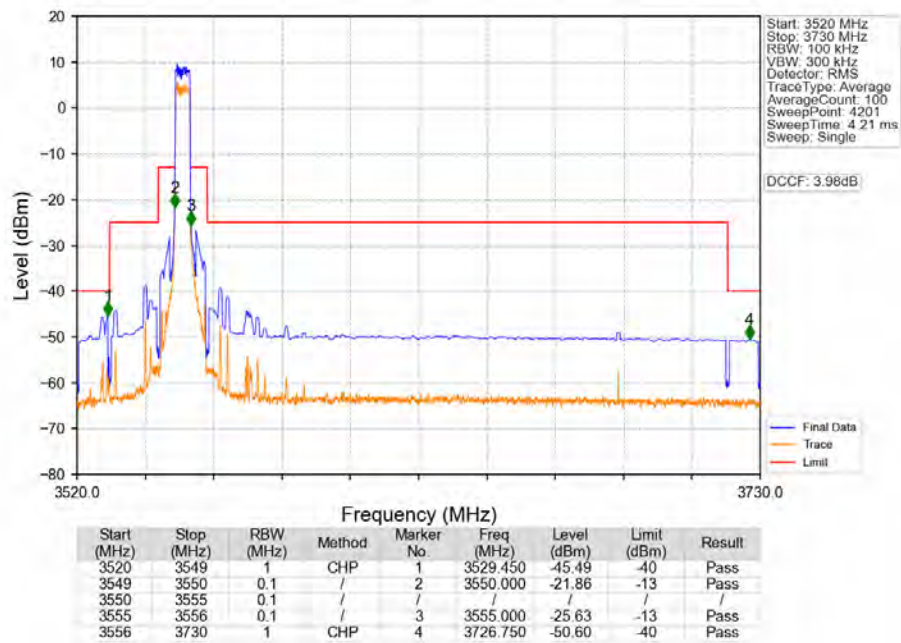
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



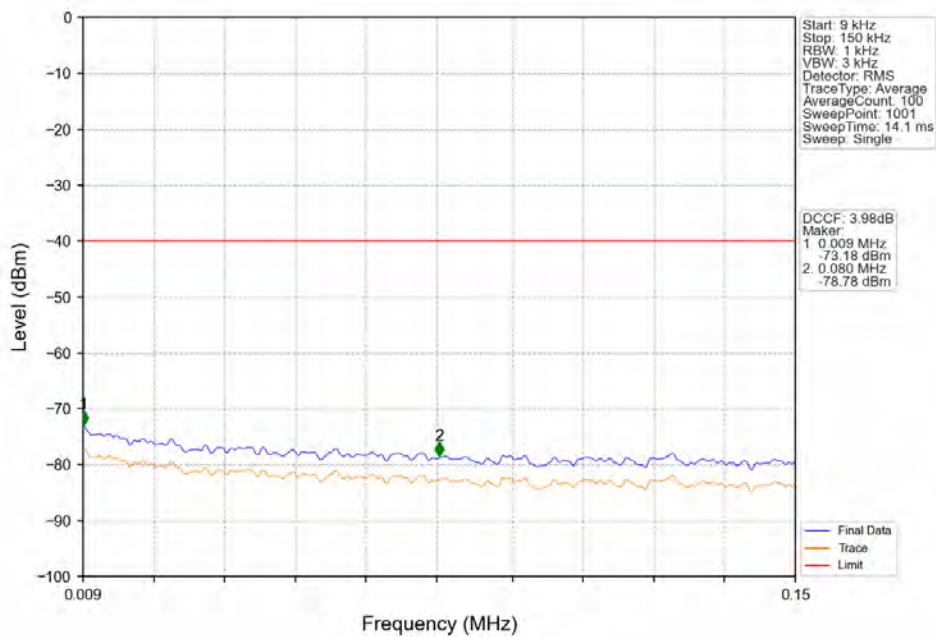
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



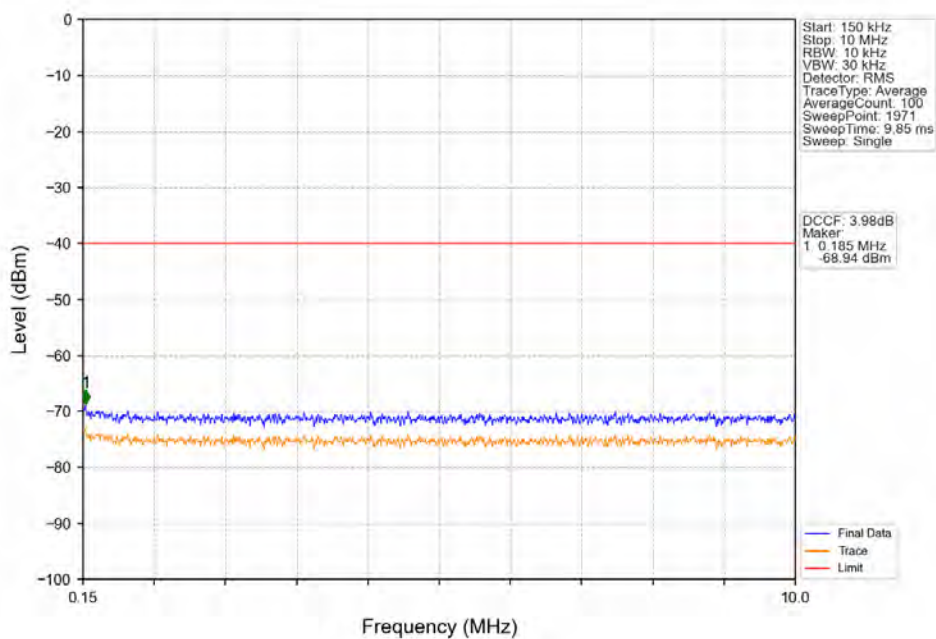
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



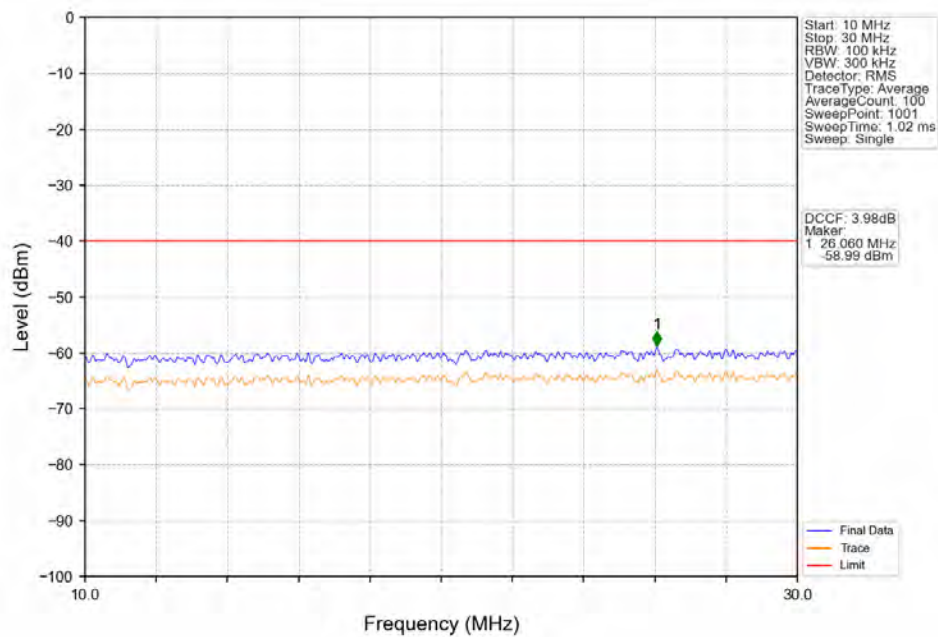
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



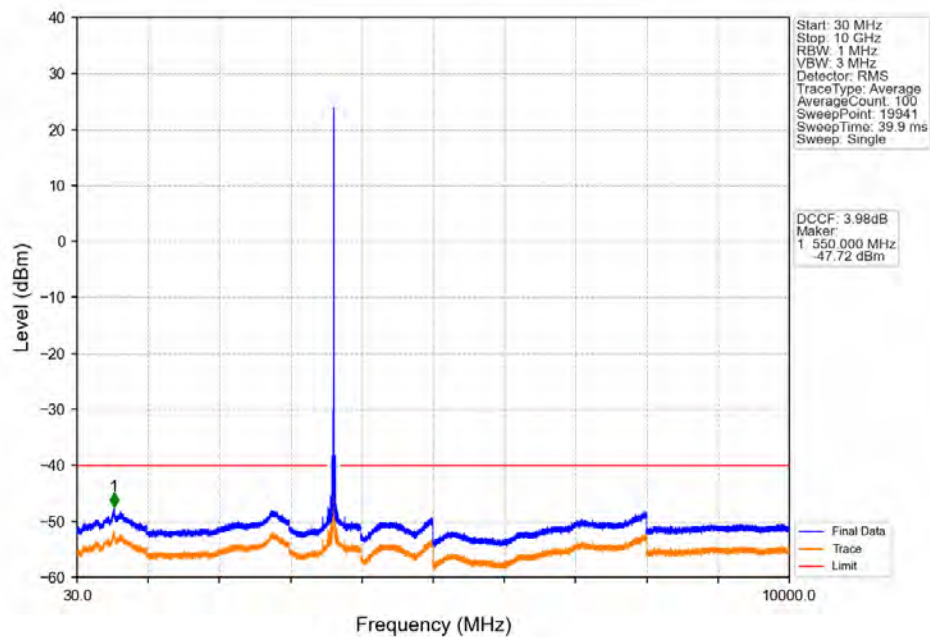
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



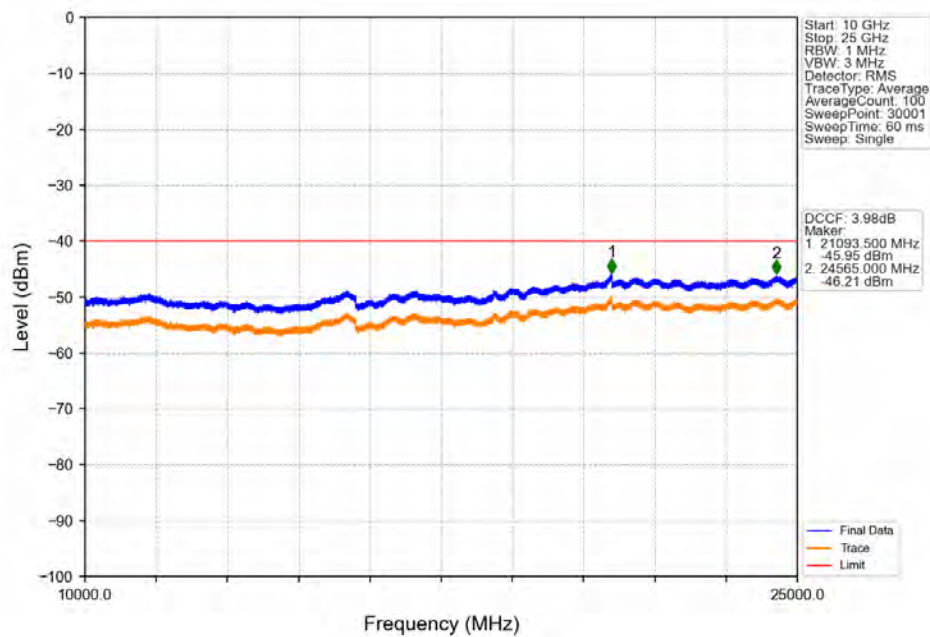
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



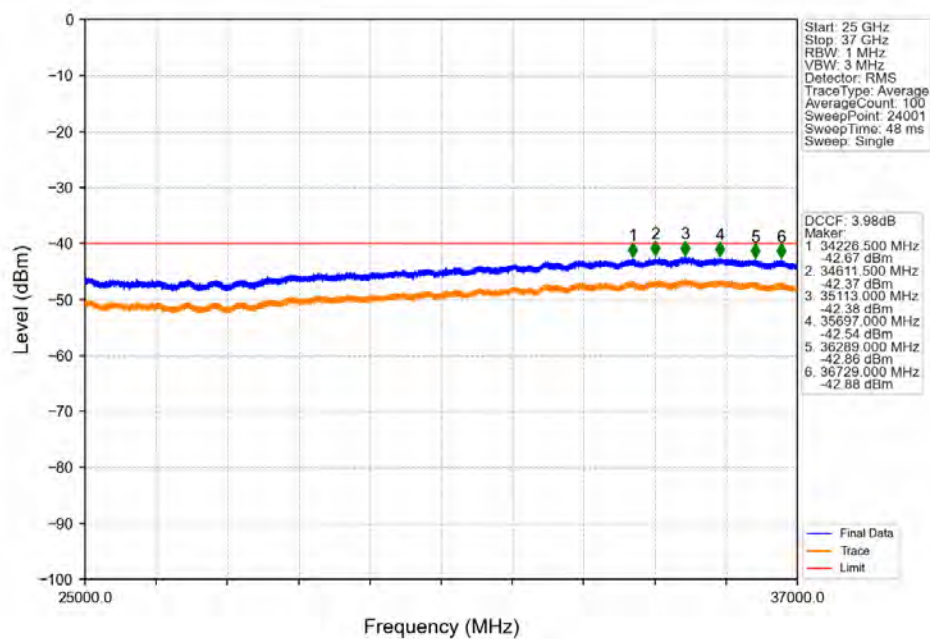
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



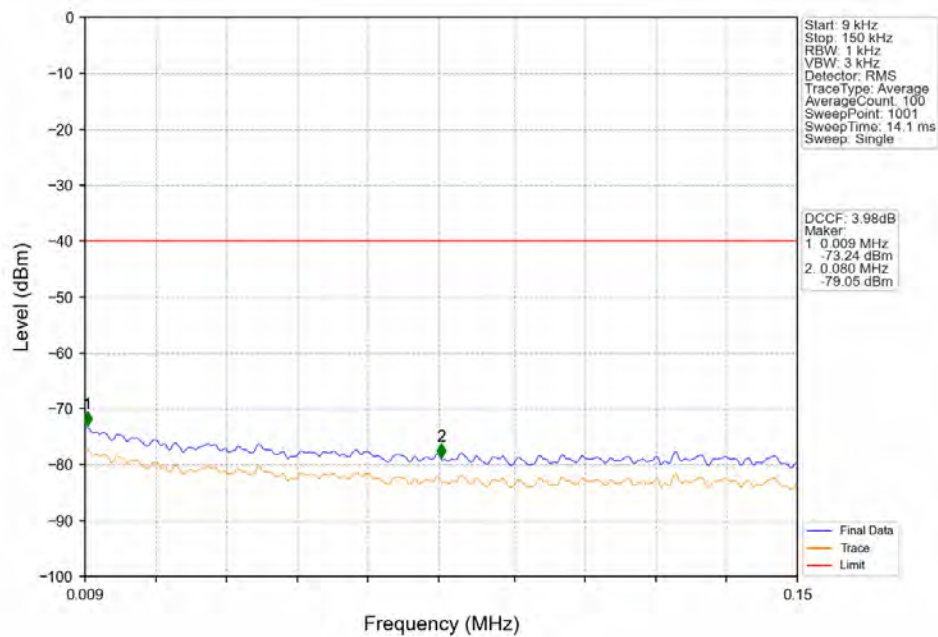
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



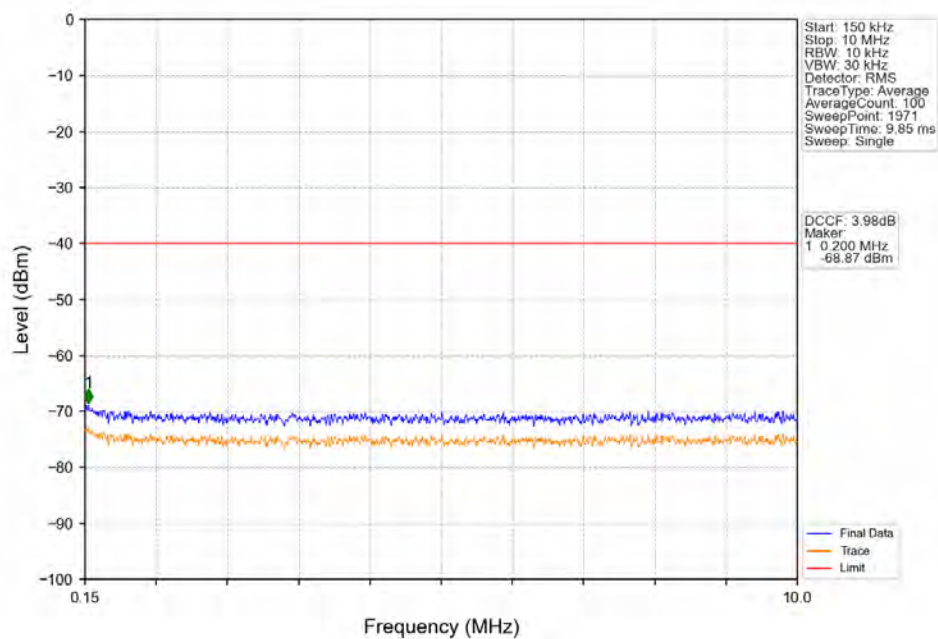
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



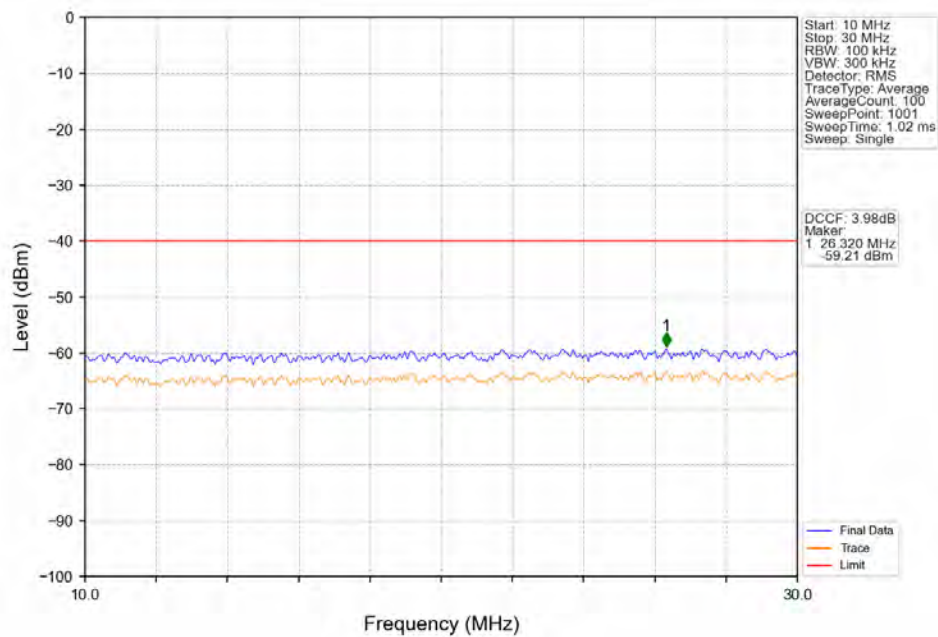
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



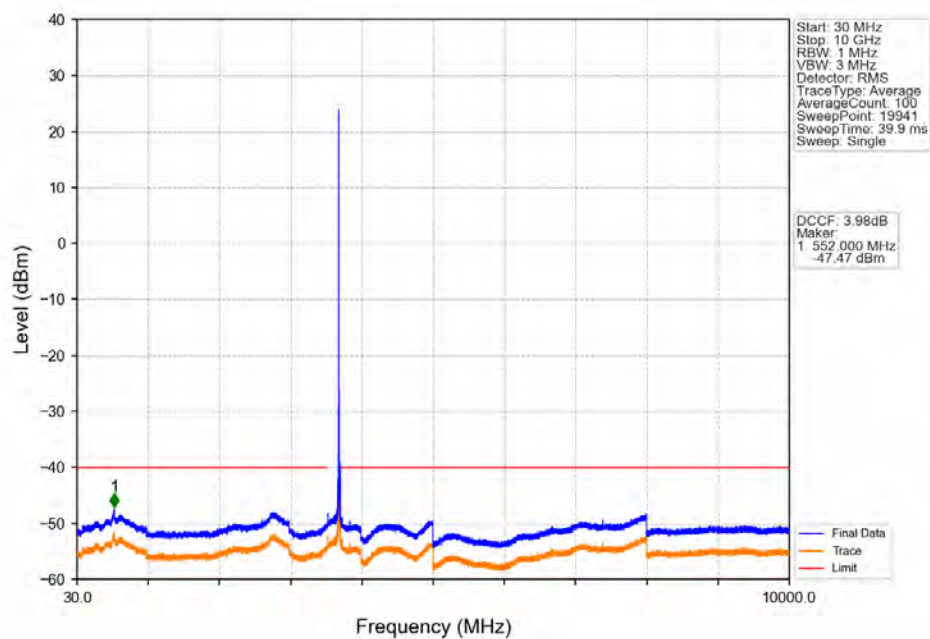
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



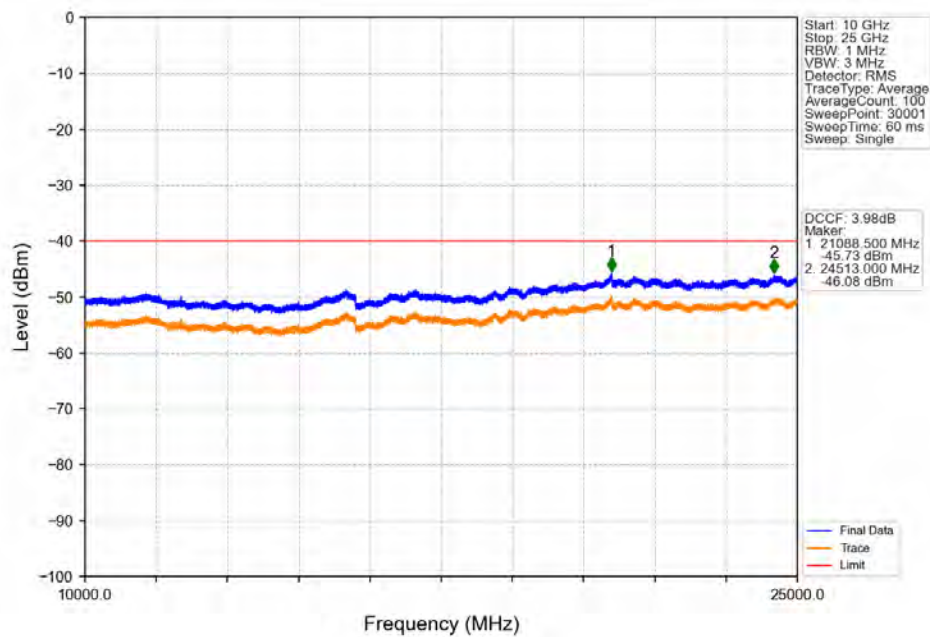
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTV



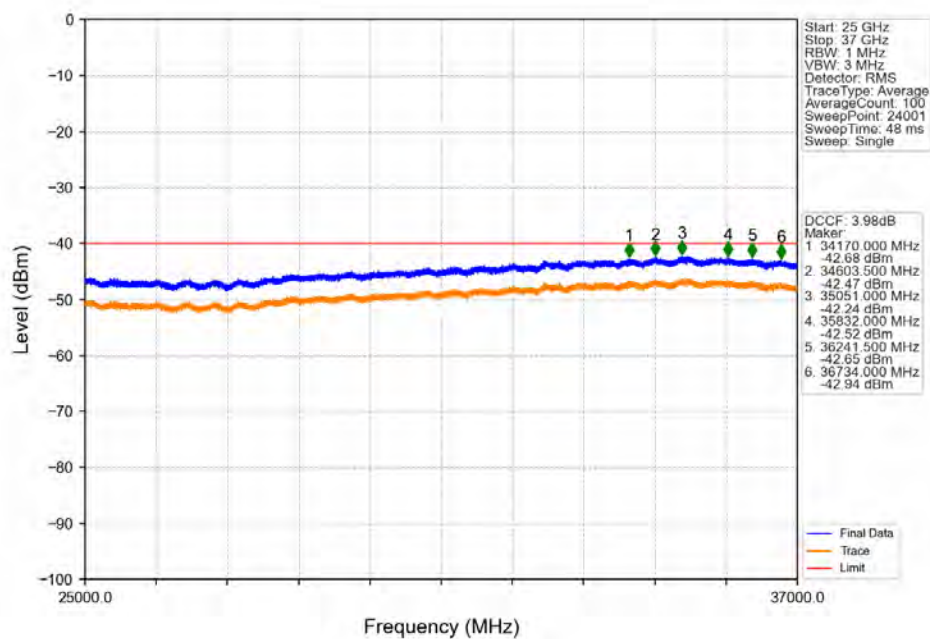
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTV



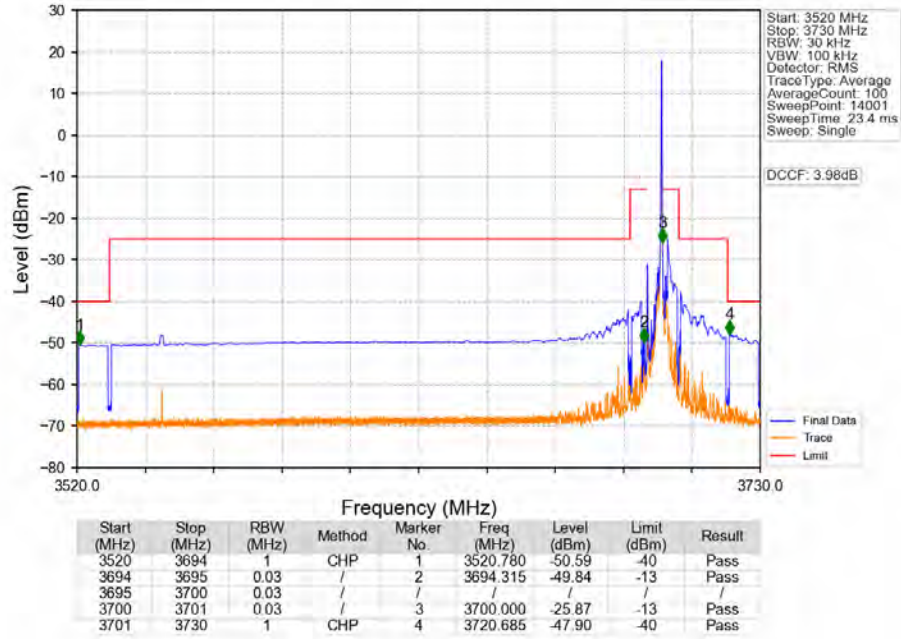
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



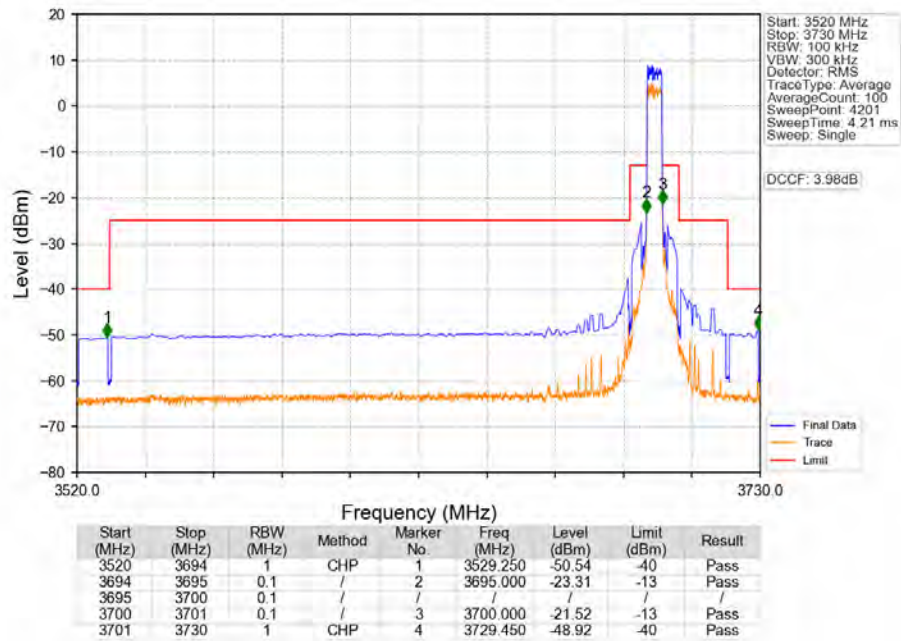
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



Band48 5MHz QPSK HCH 3697.5MHz RB 1 24 NTNV

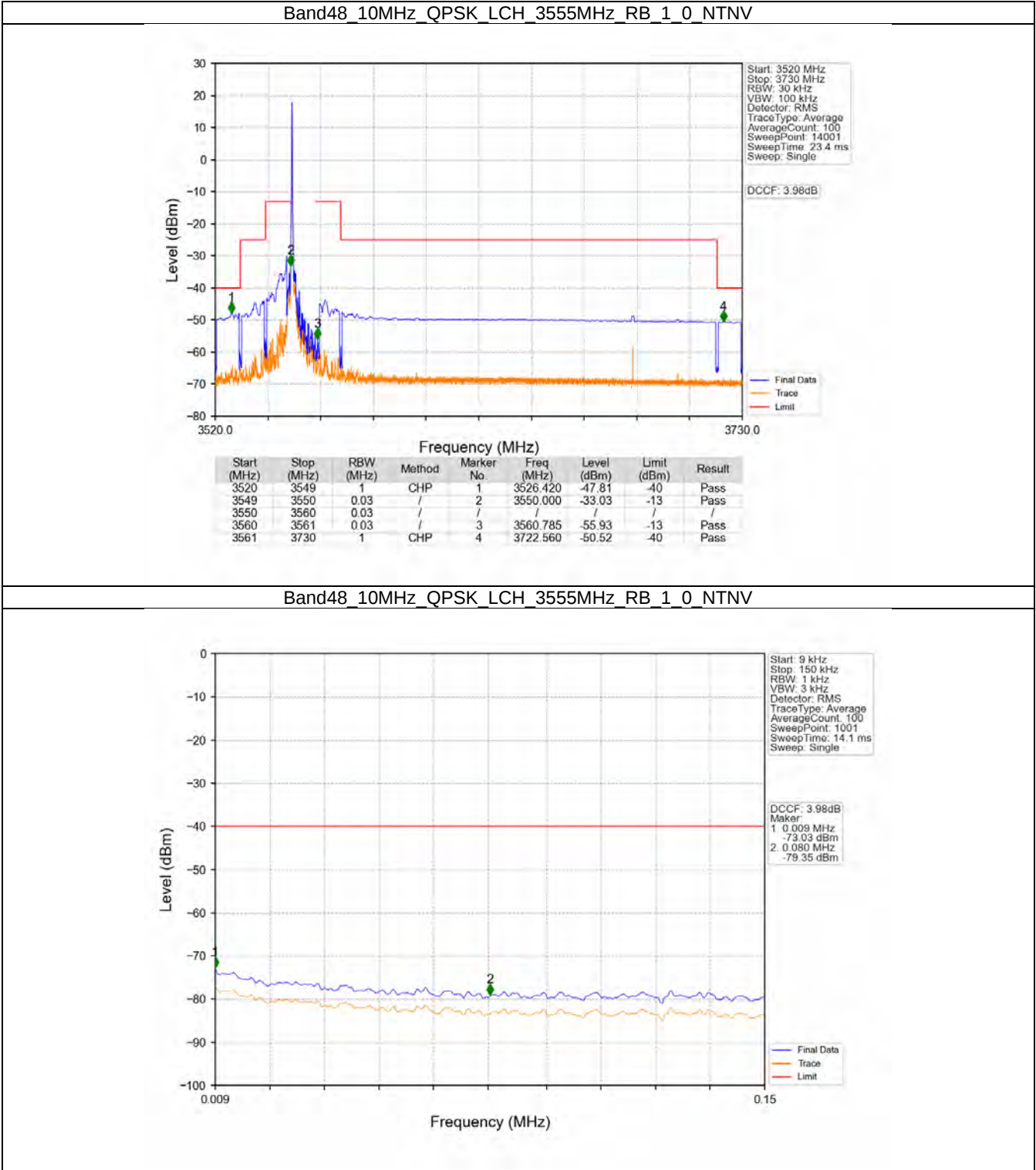


Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV

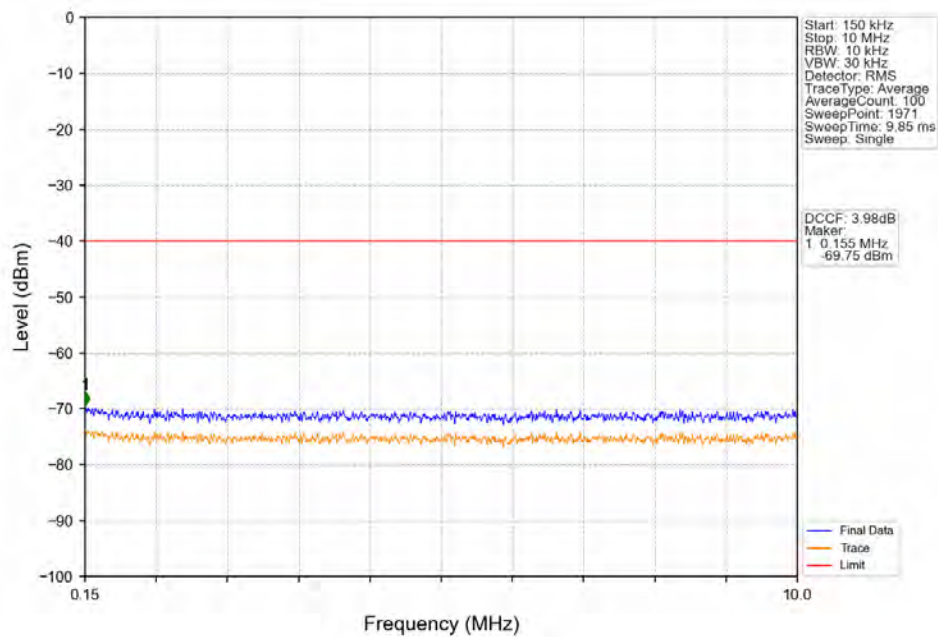


5.2 B48_10MHz

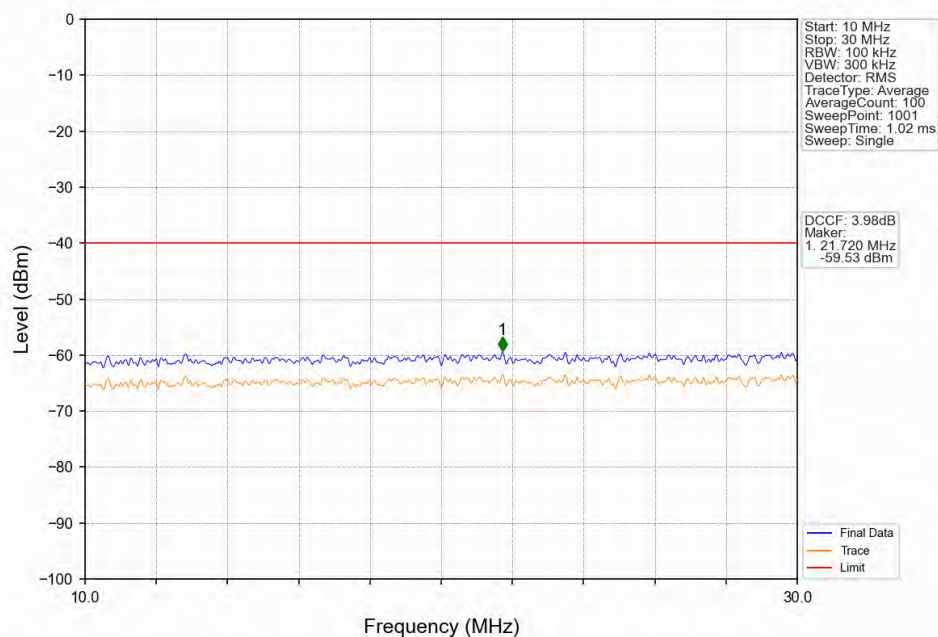
5.2.2 Test Graph



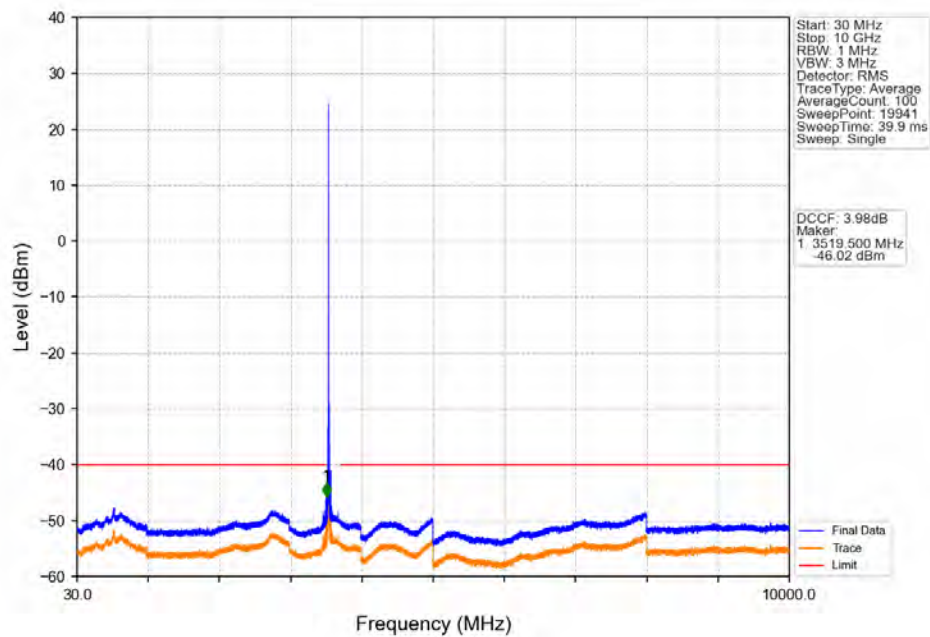
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



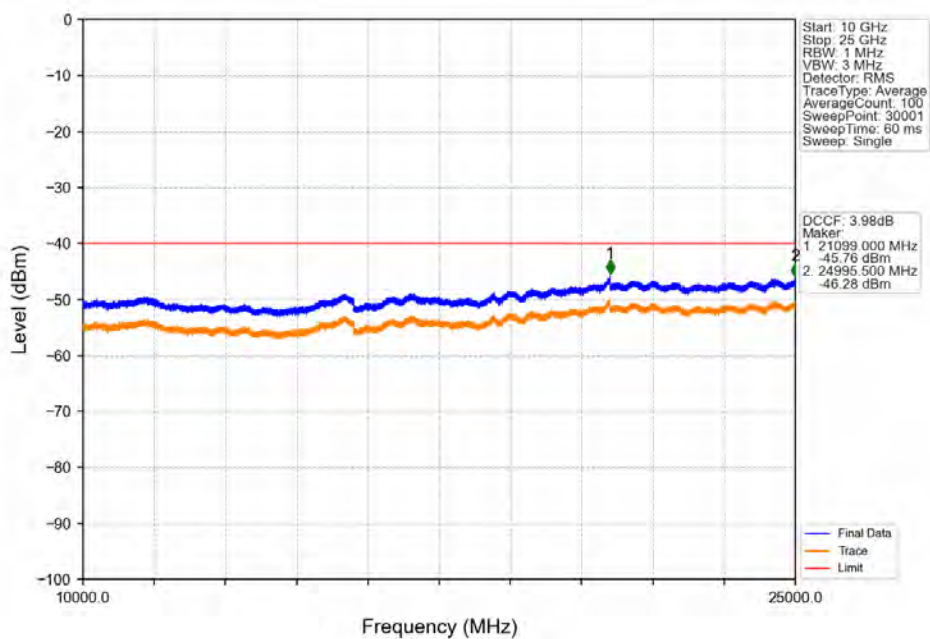
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



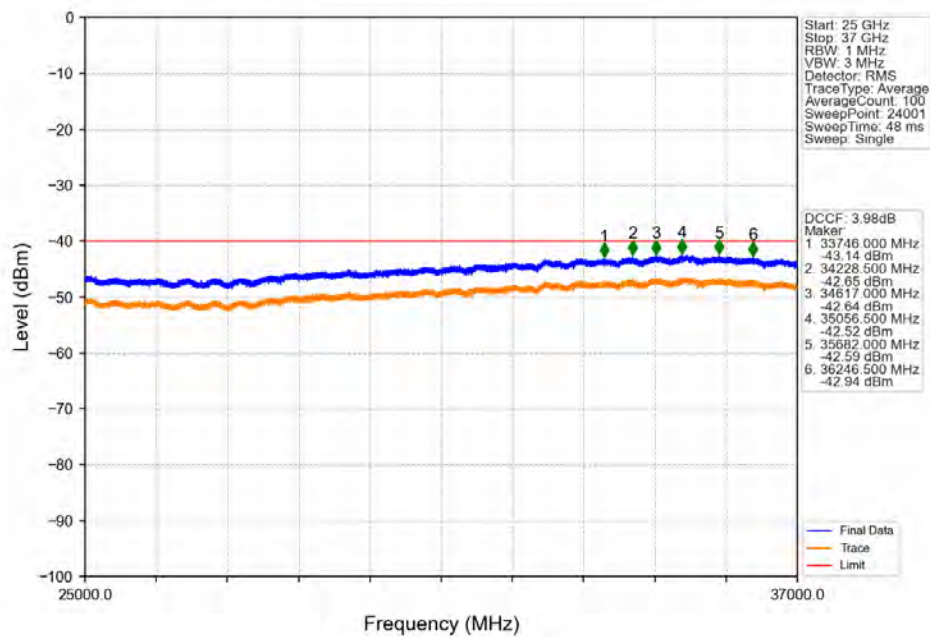
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



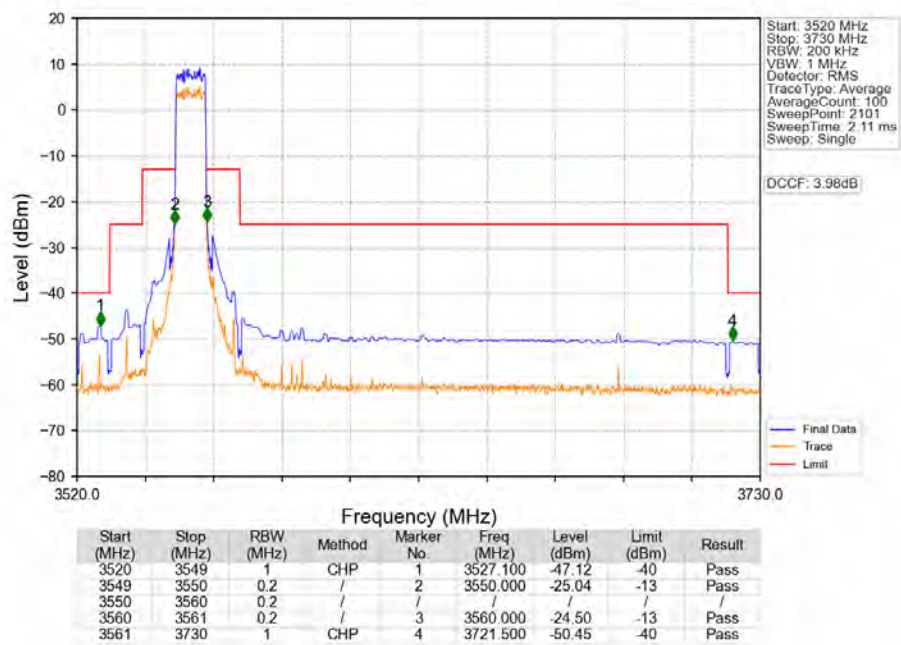
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



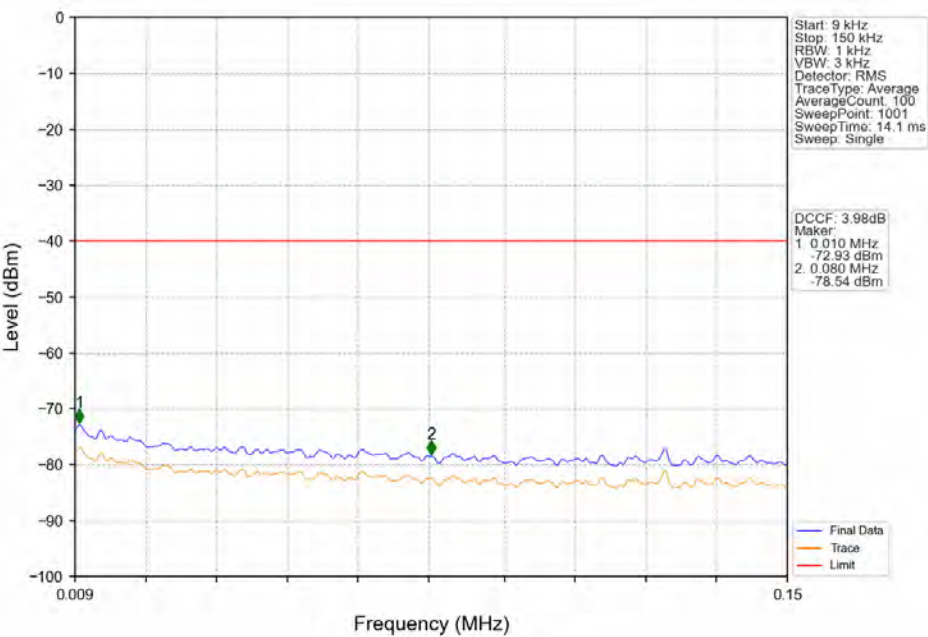
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTN



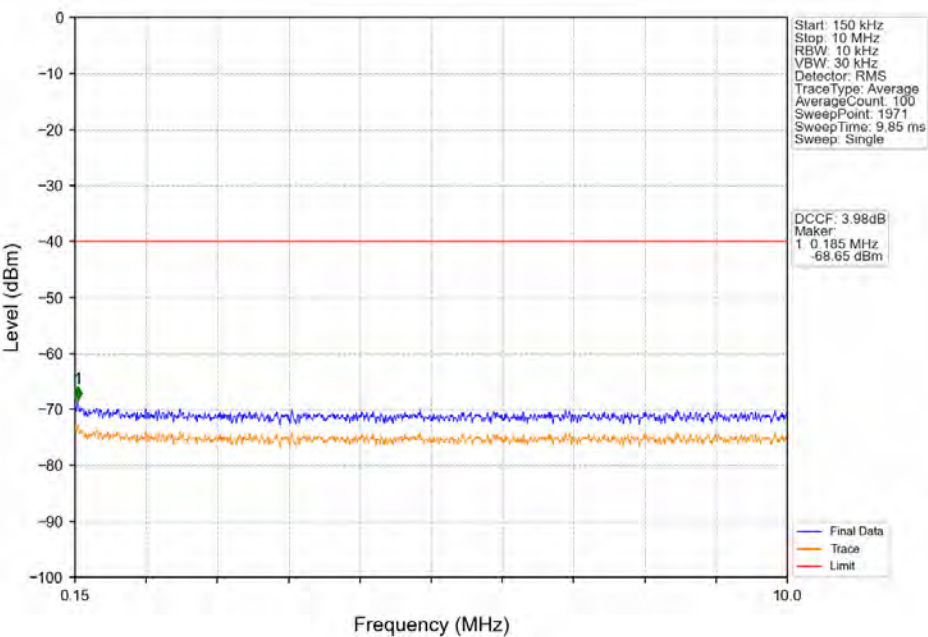
Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTN



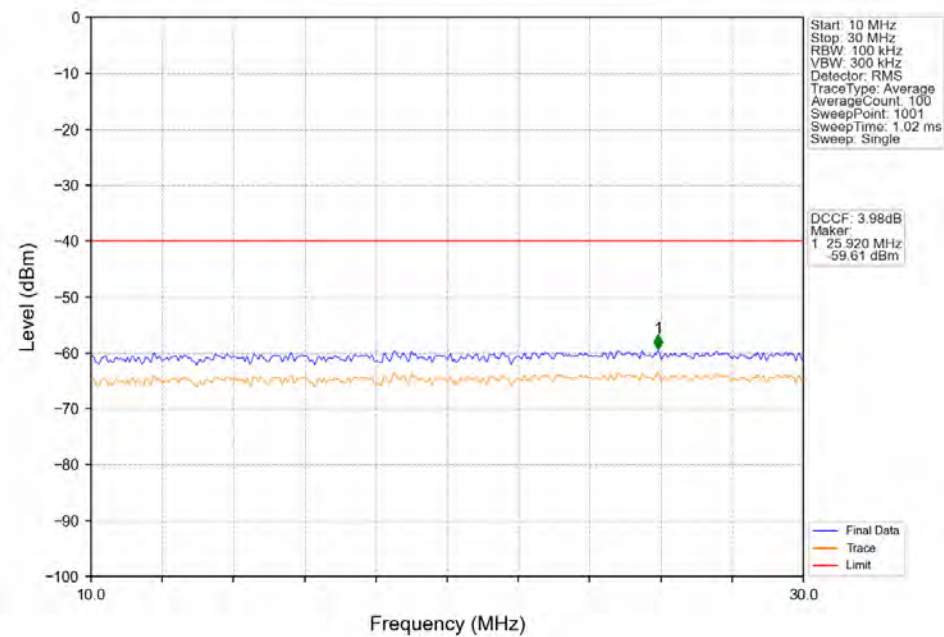
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



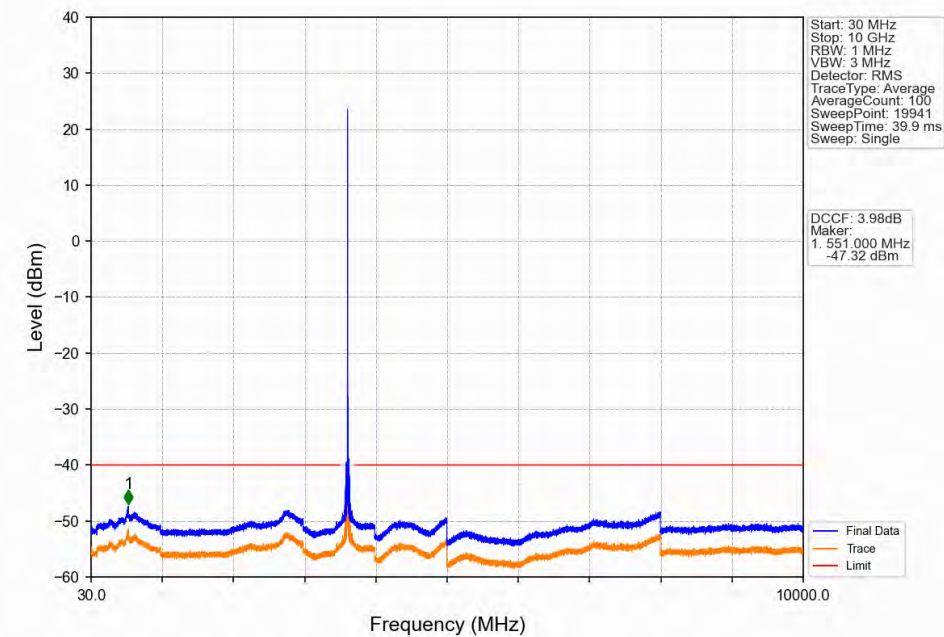
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



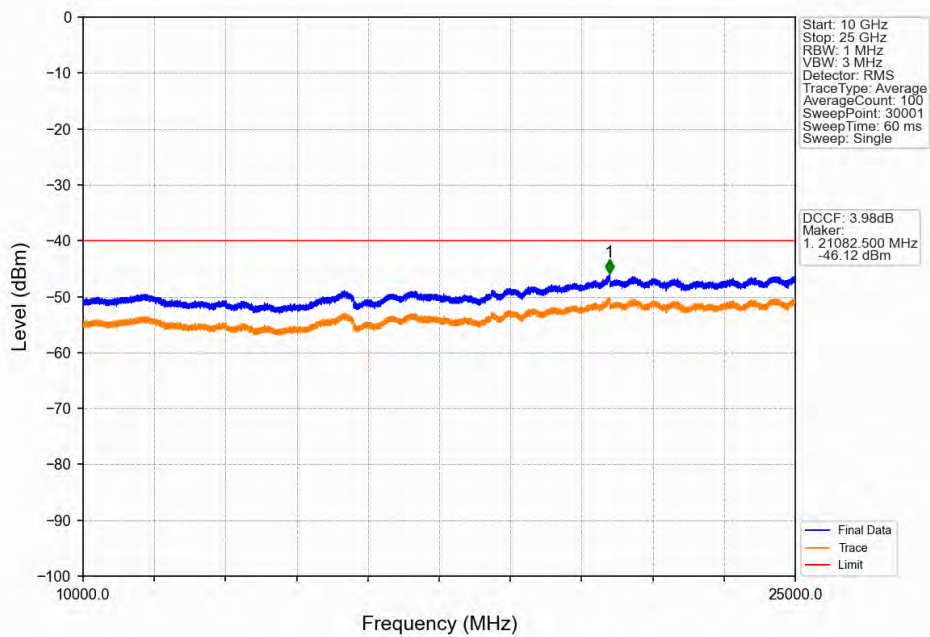
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



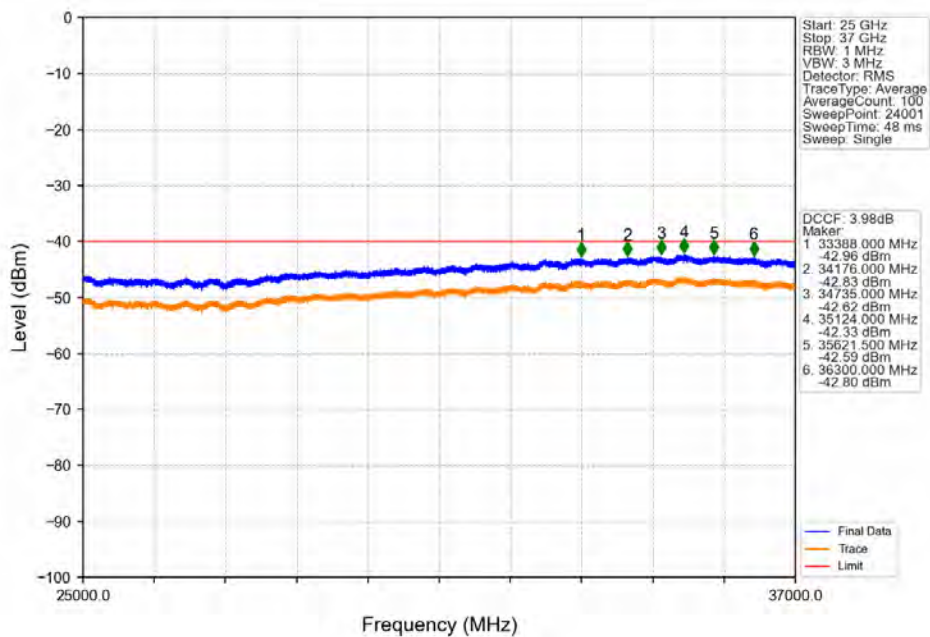
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



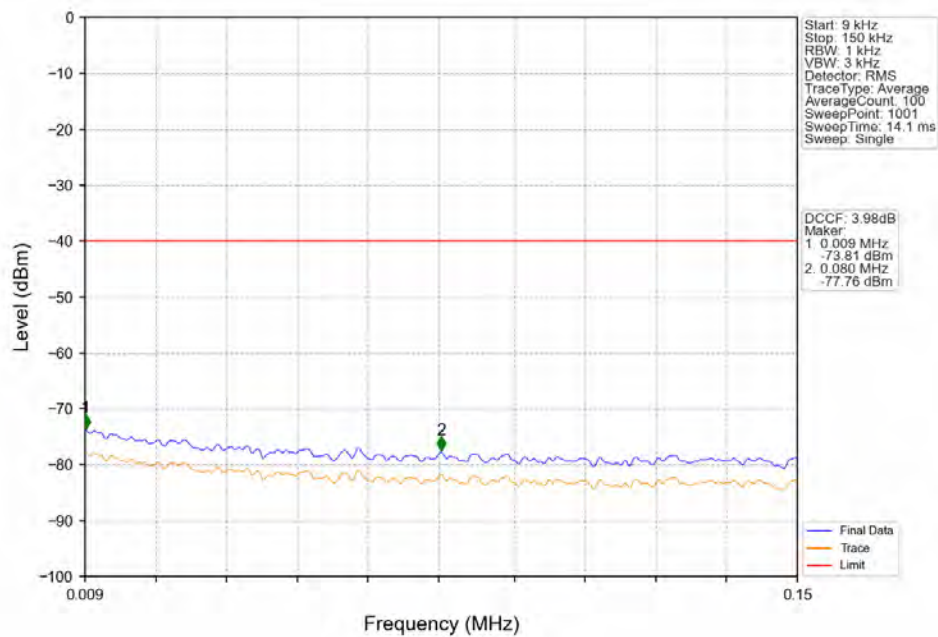
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



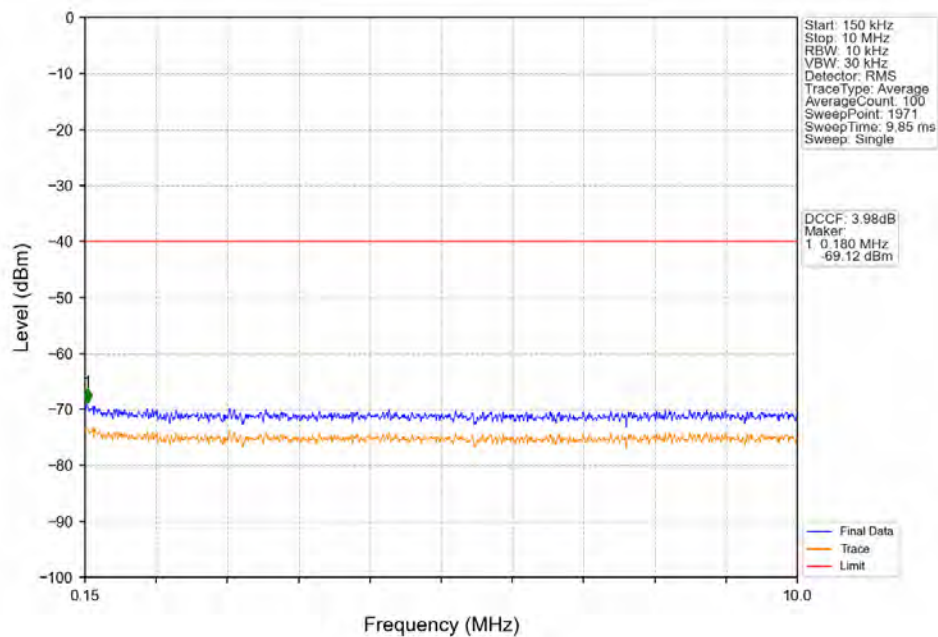
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



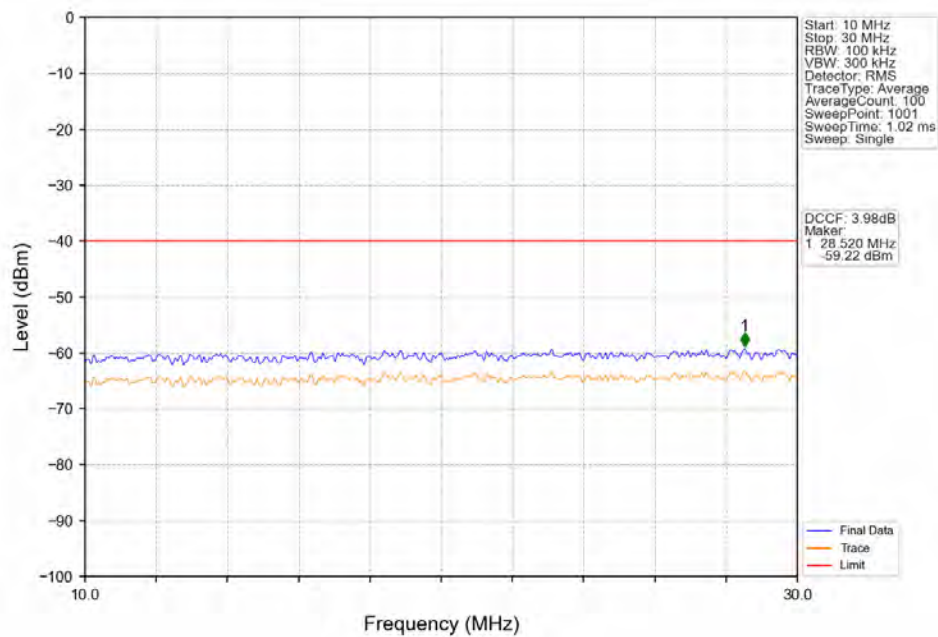
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



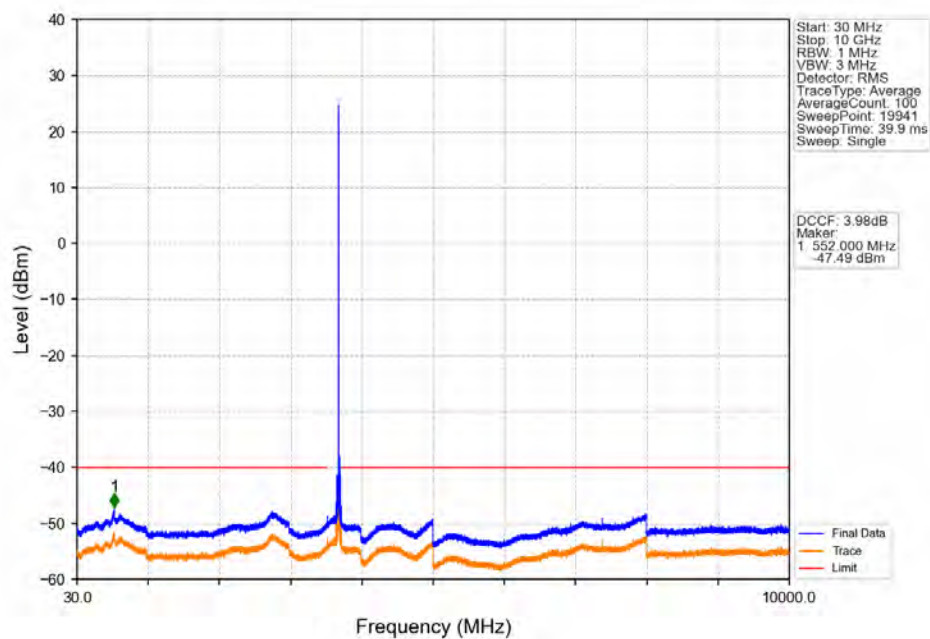
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



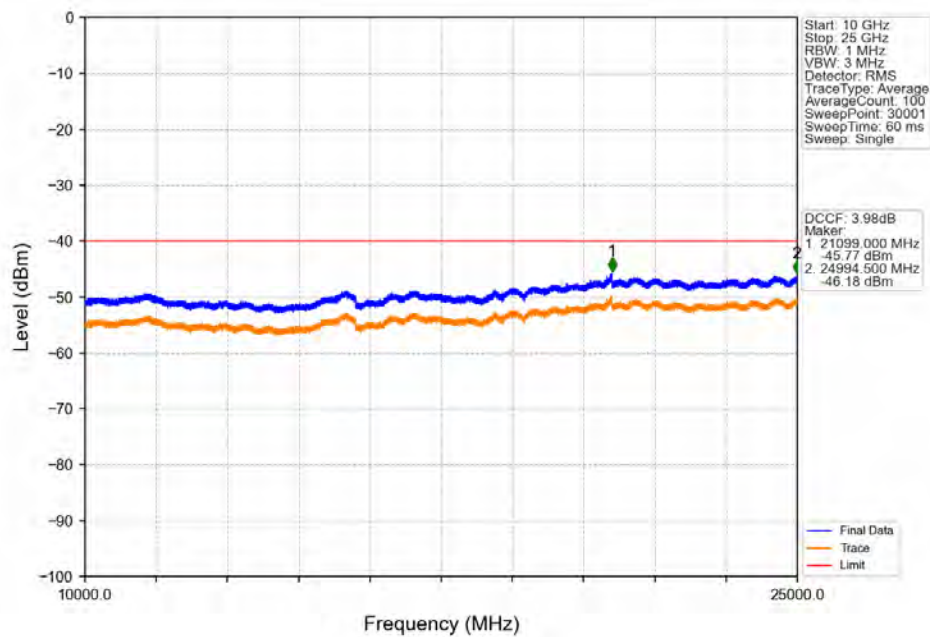
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



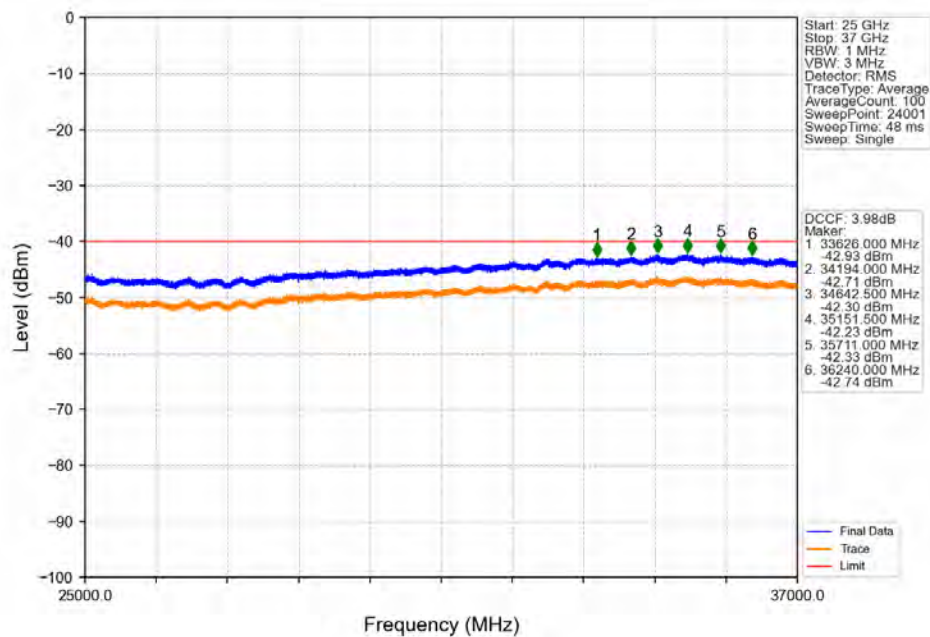
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



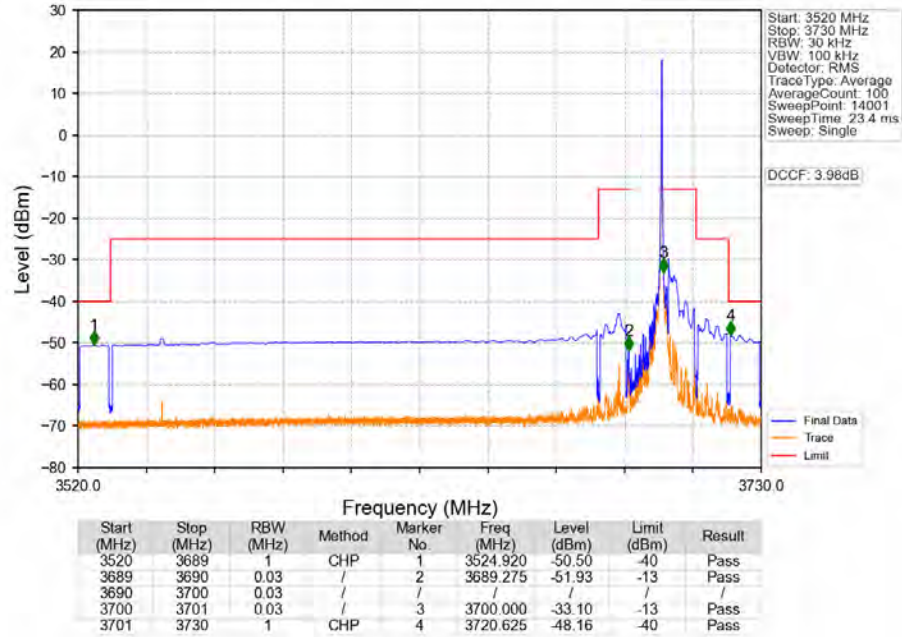
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



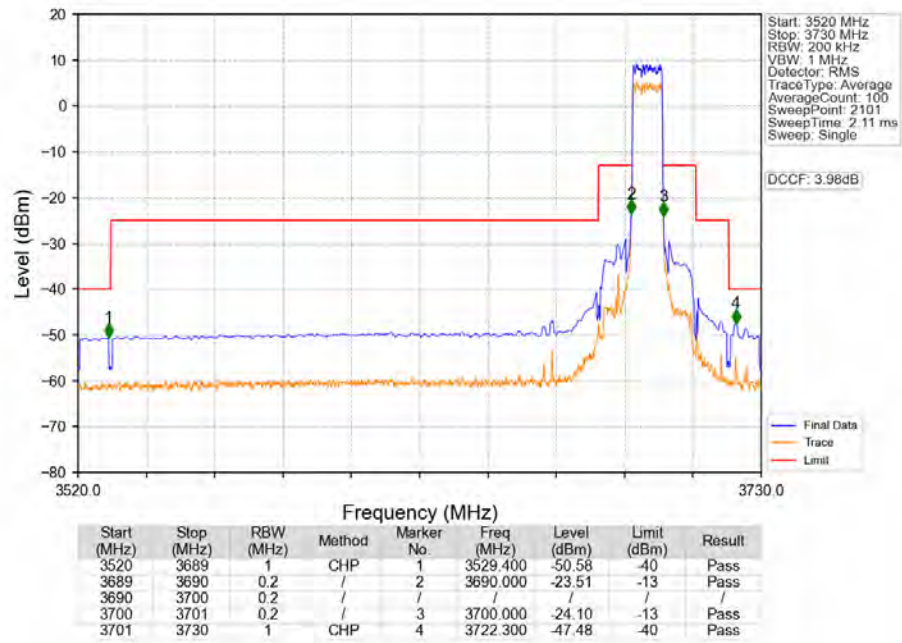
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV

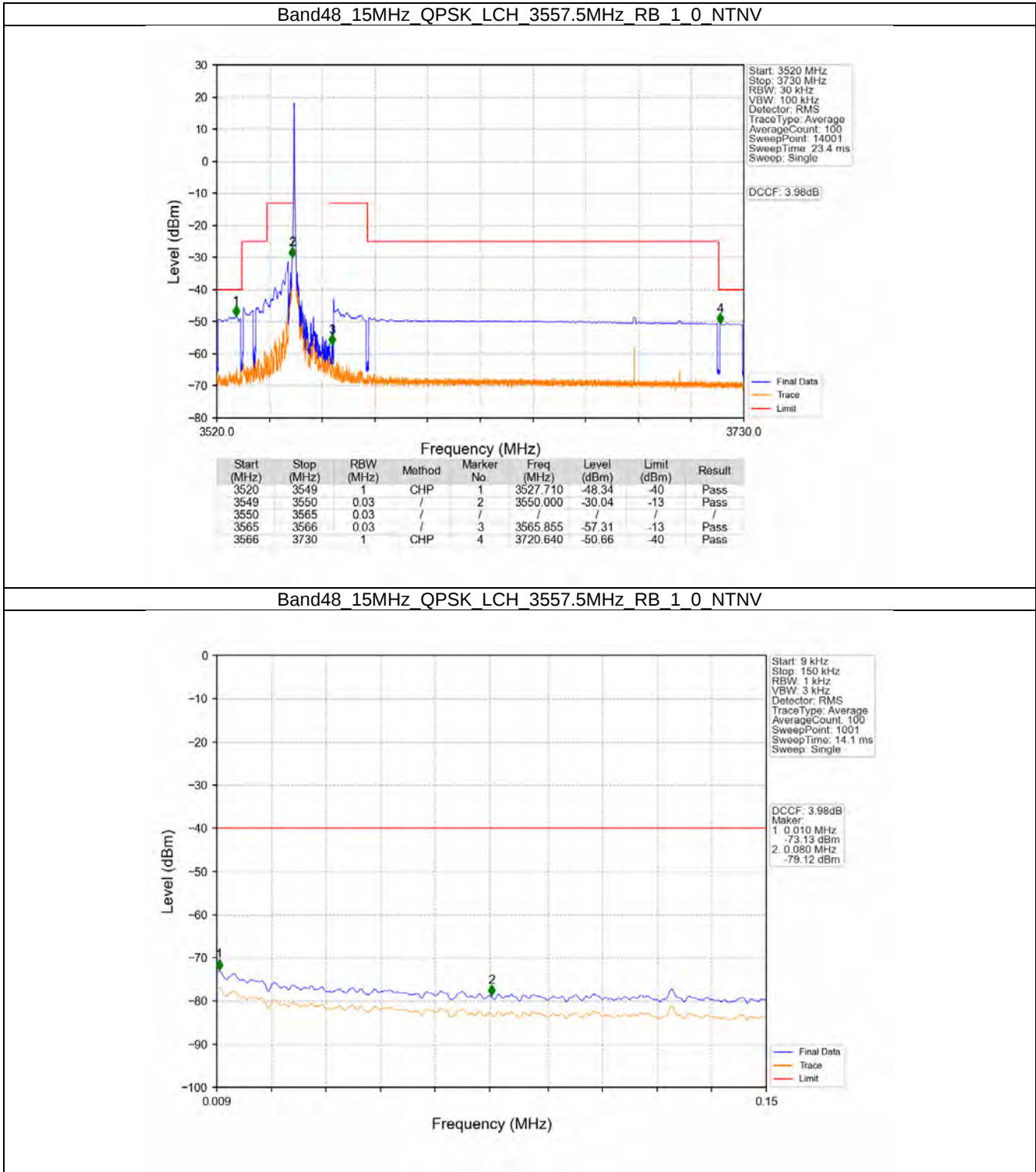


Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV

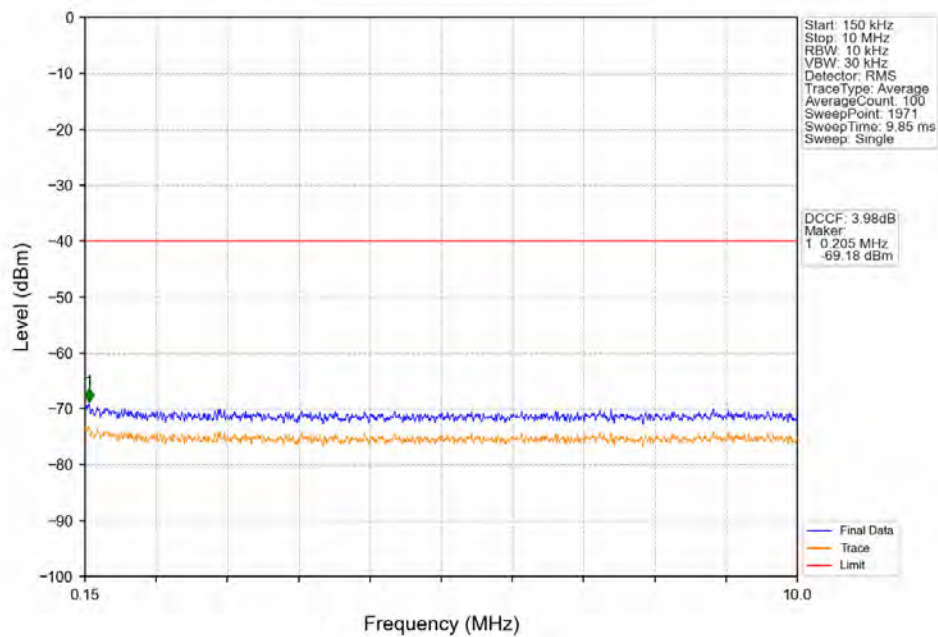


5.3 B48_15MHz

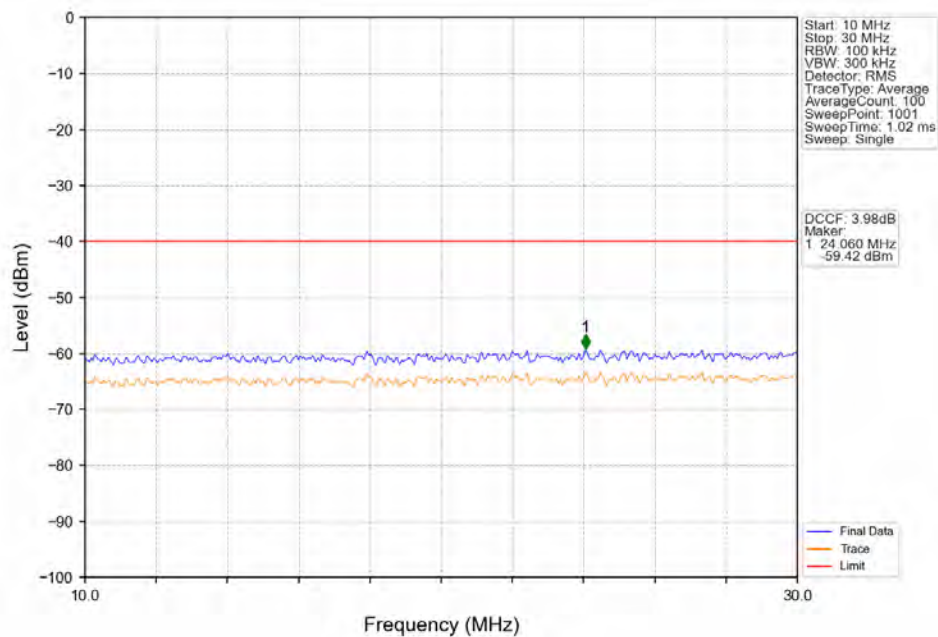
5.3.2 Test Graph



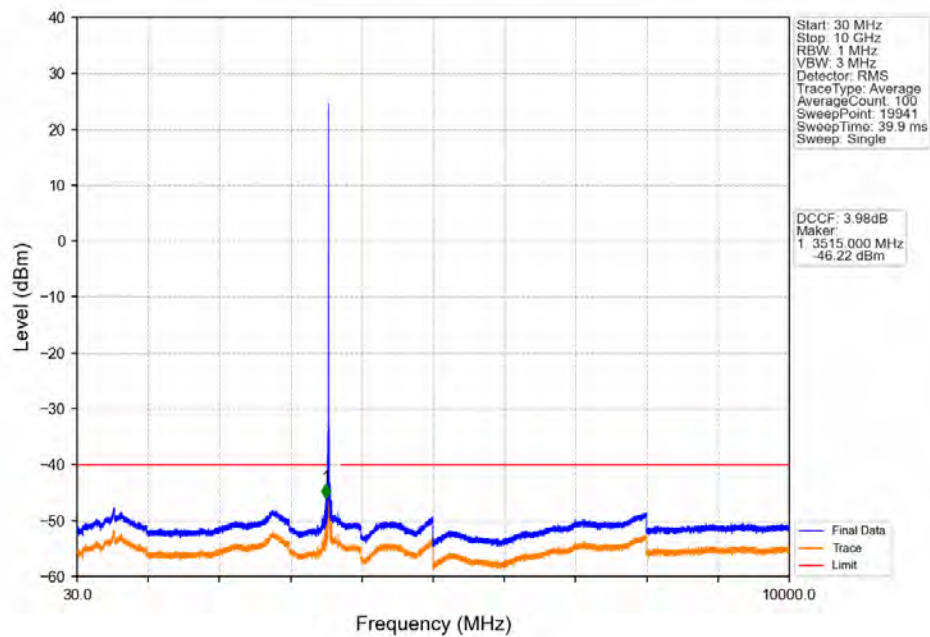
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



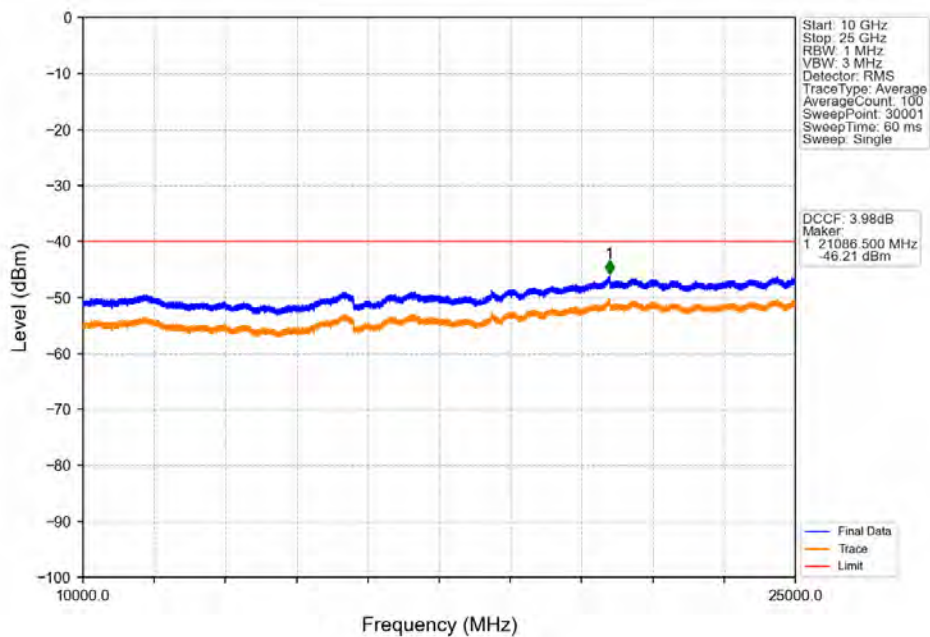
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



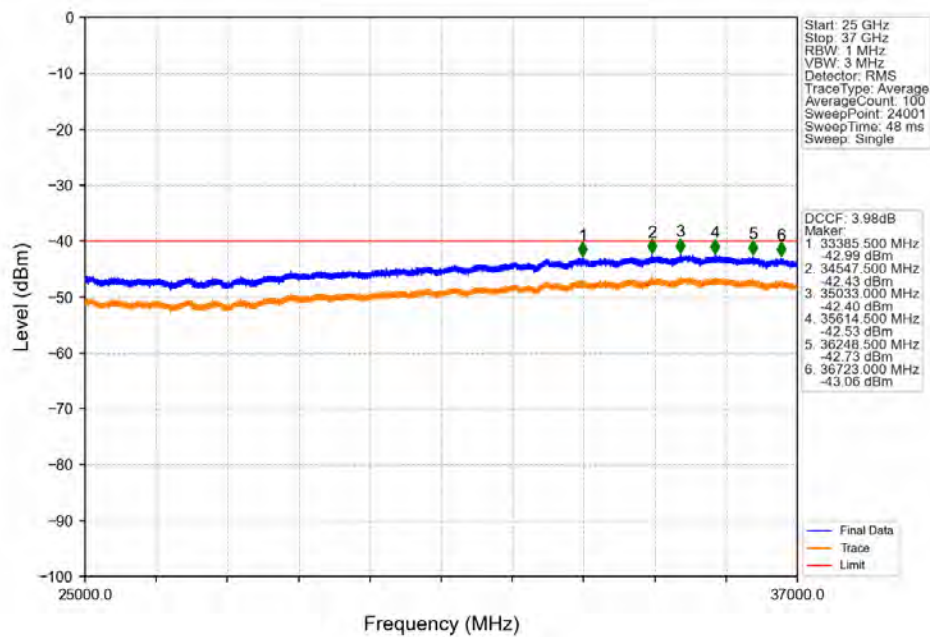
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



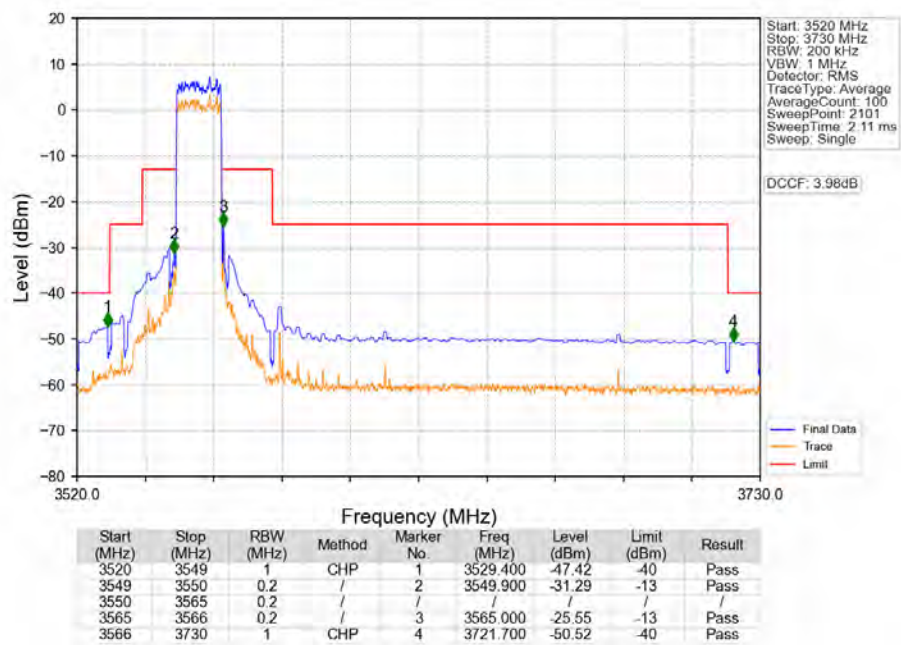
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



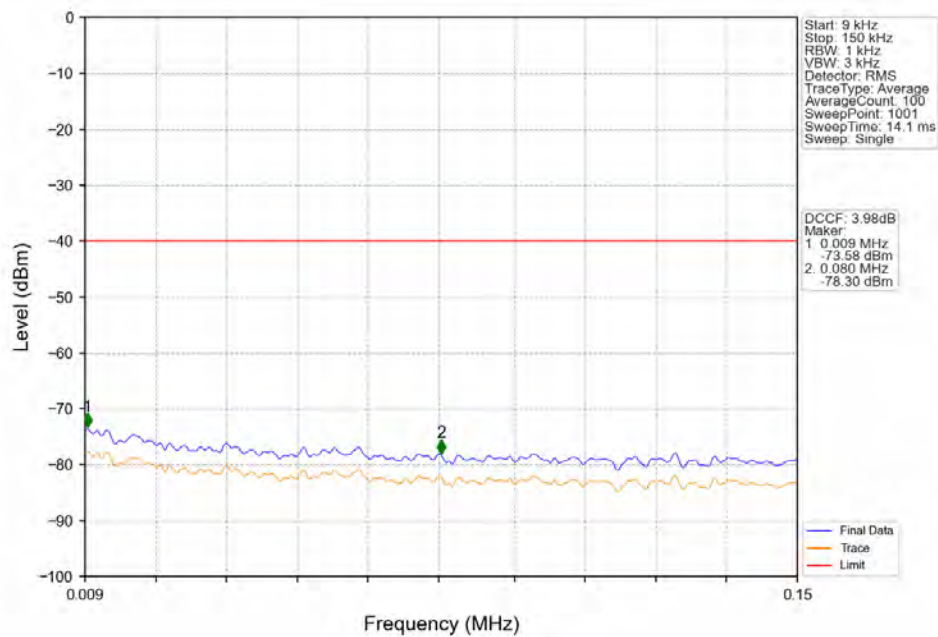
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



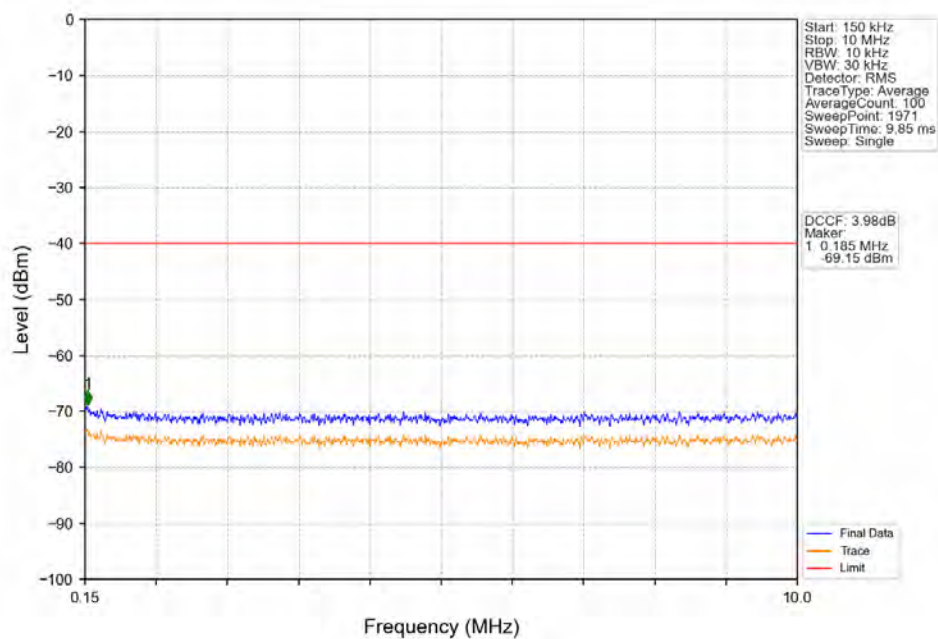
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



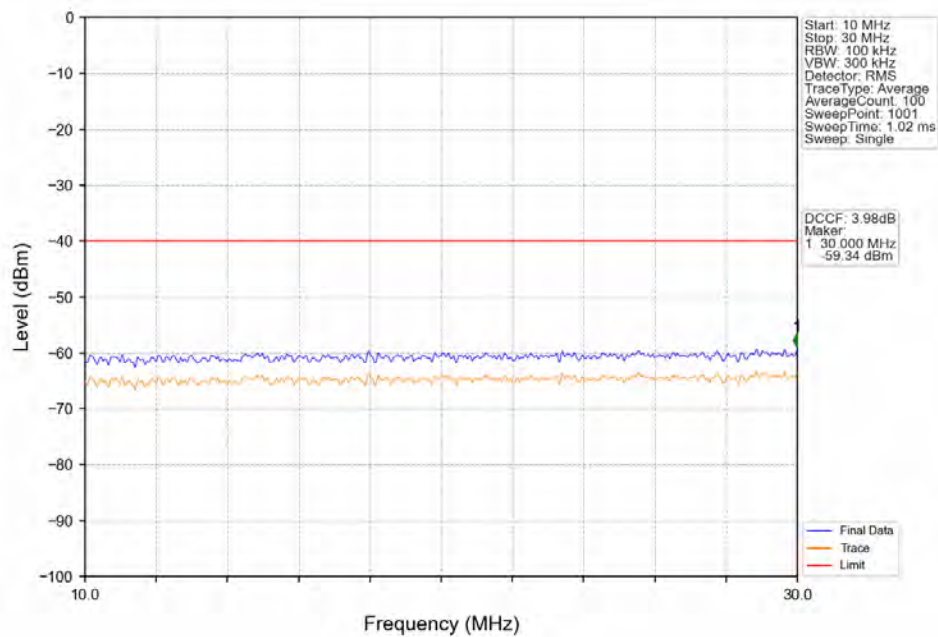
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



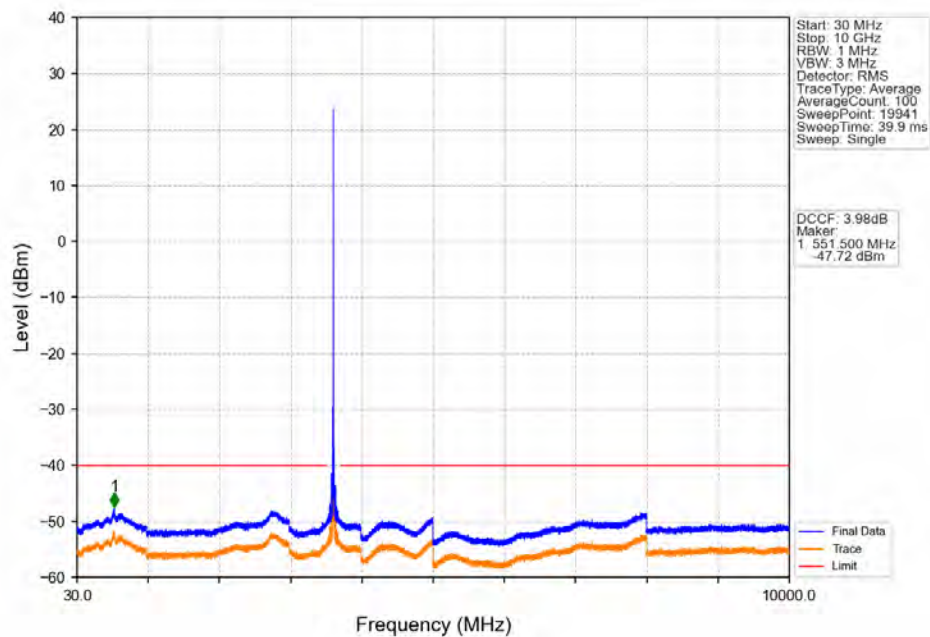
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



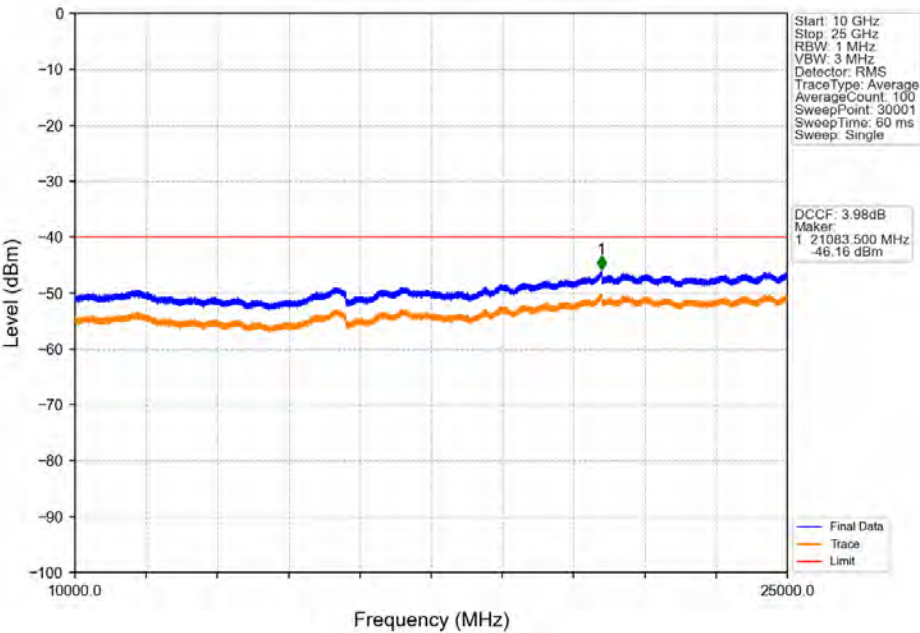
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



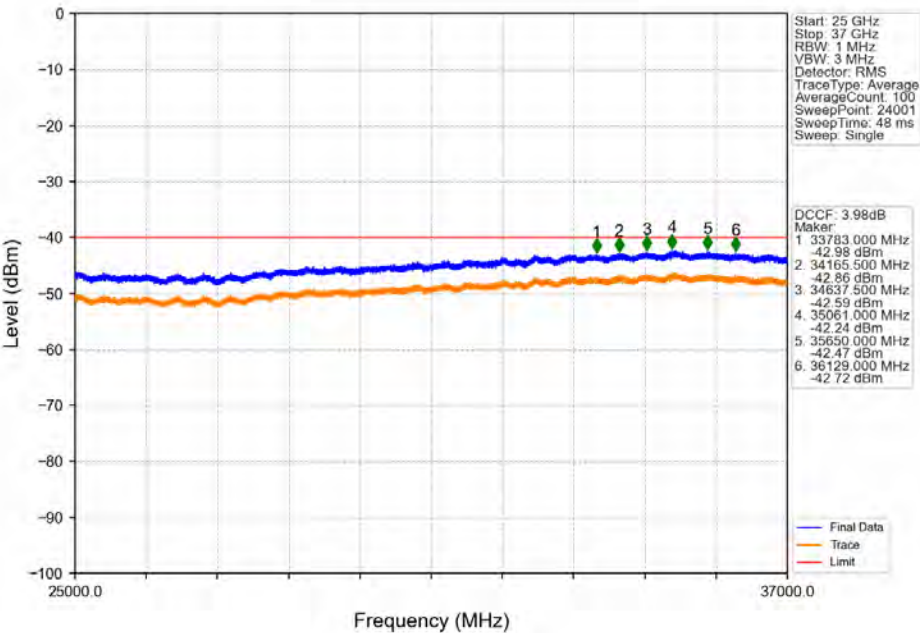
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



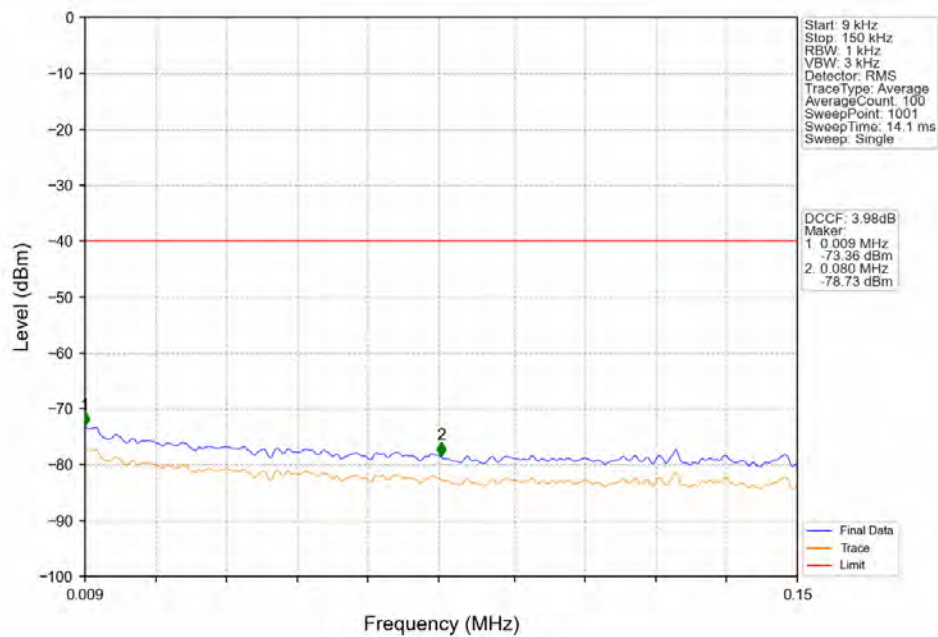
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



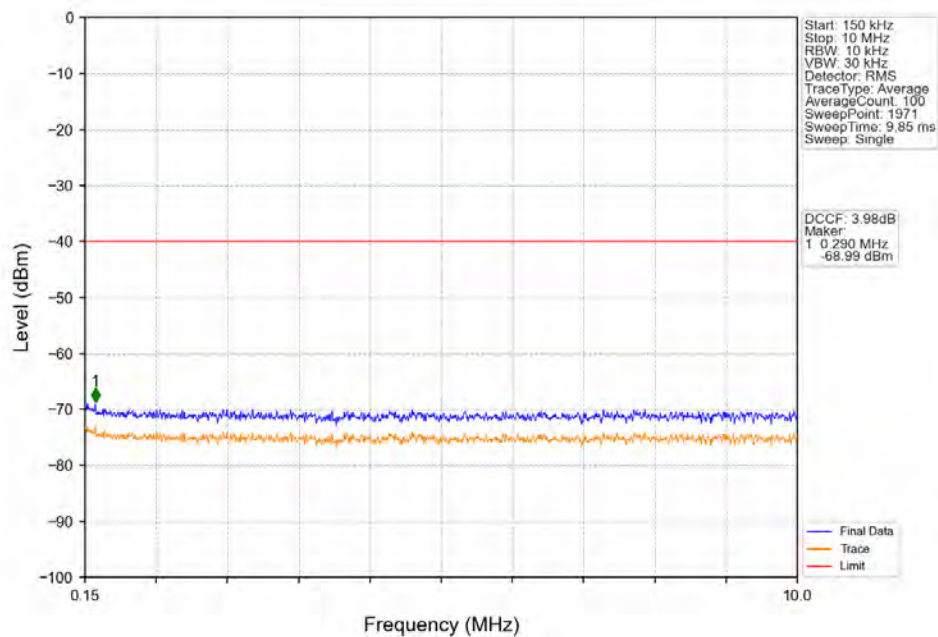
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



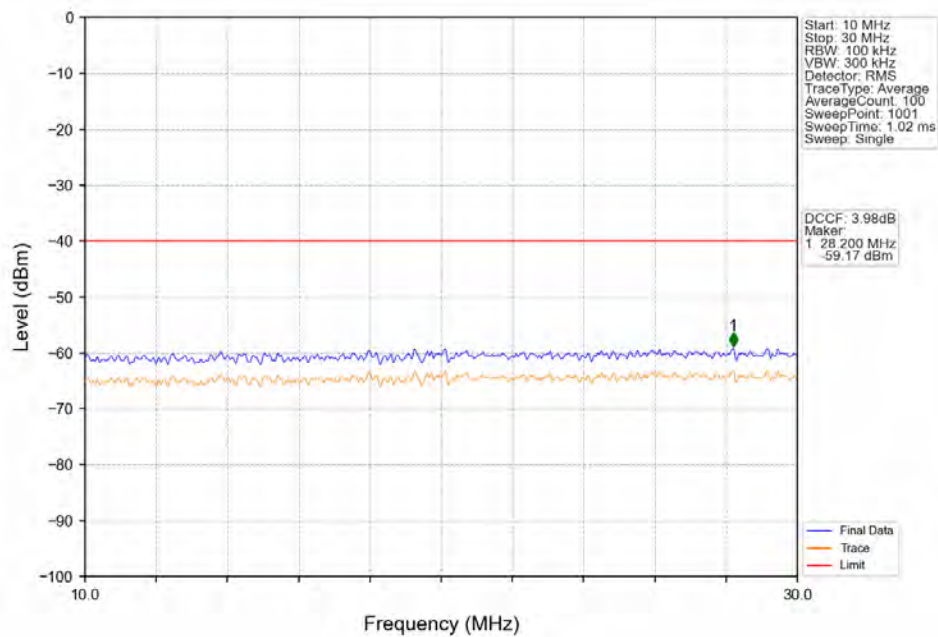
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



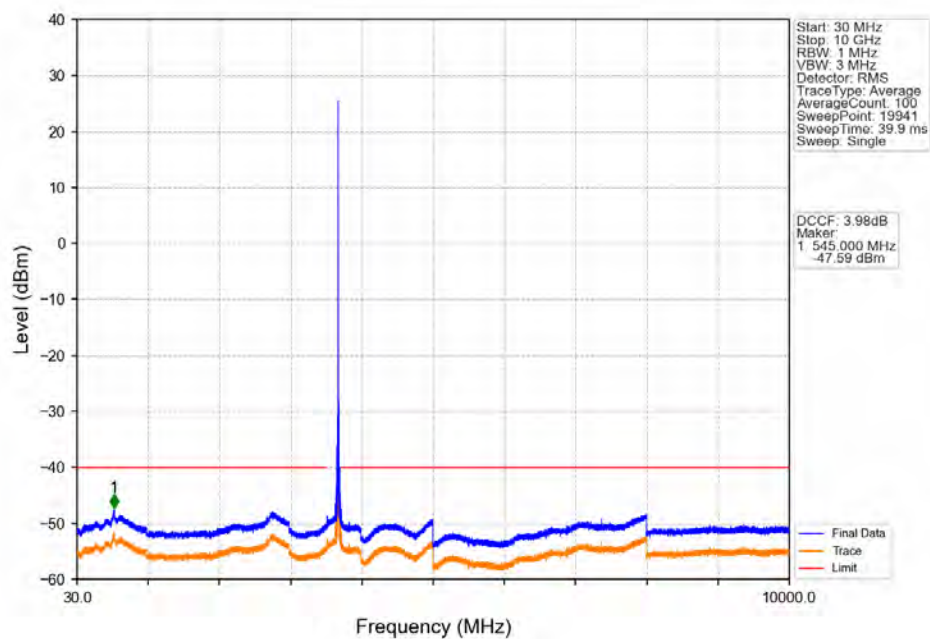
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



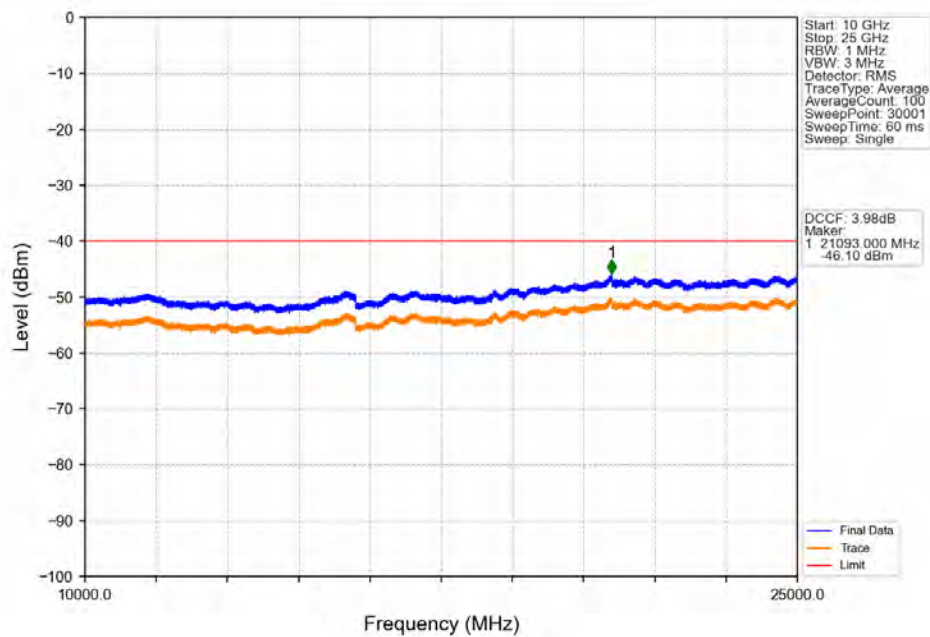
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



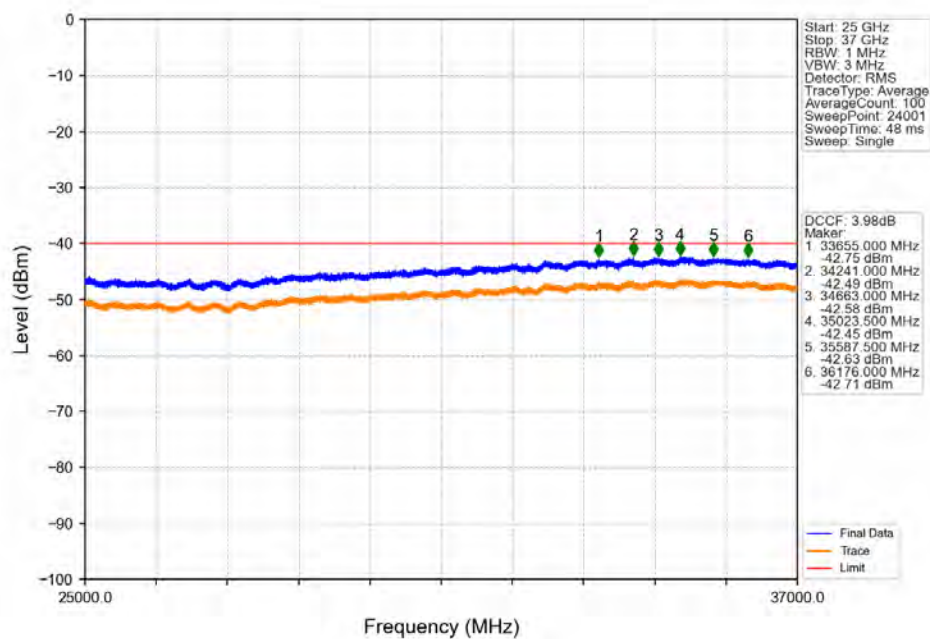
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



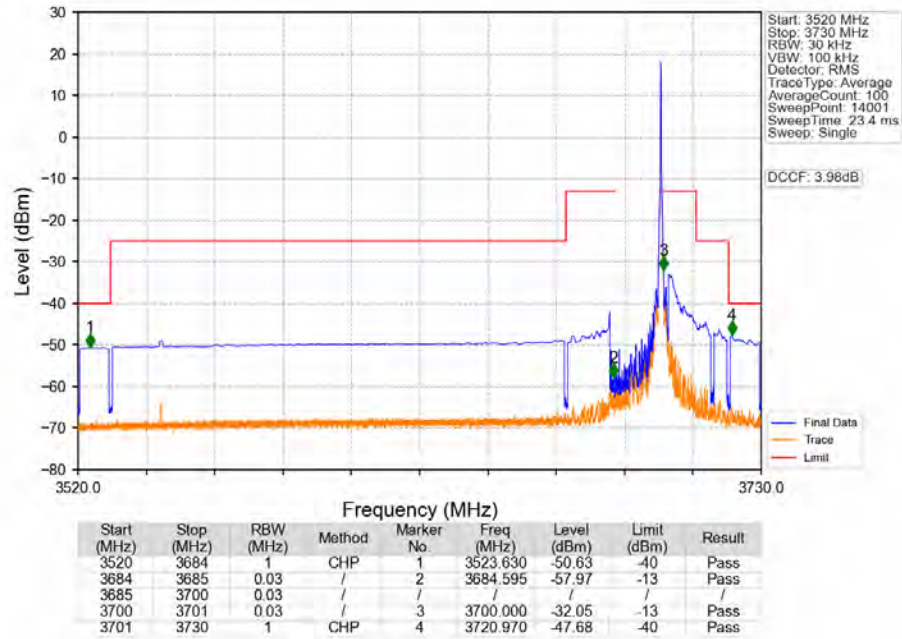
Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTNV



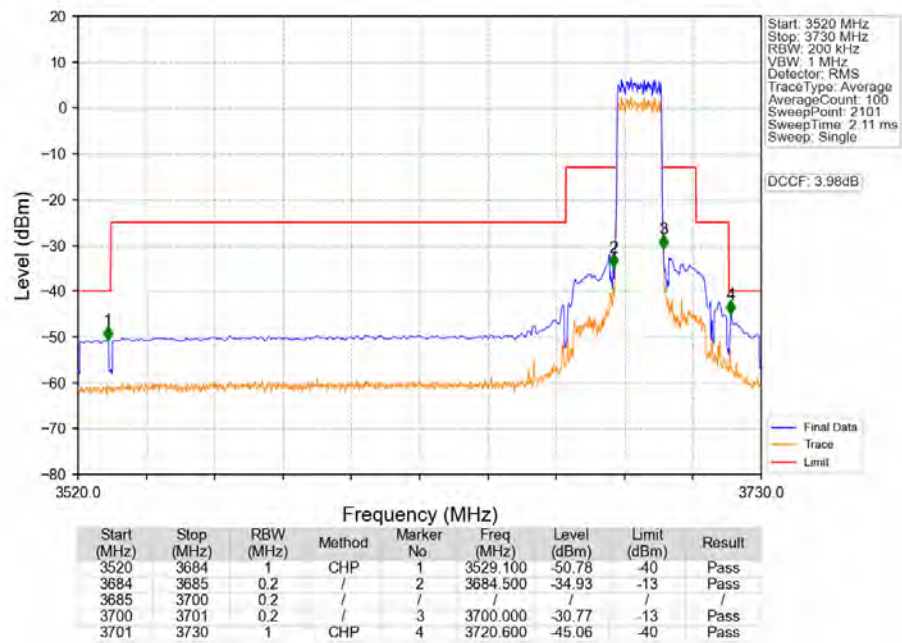
Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTNV



Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTNV

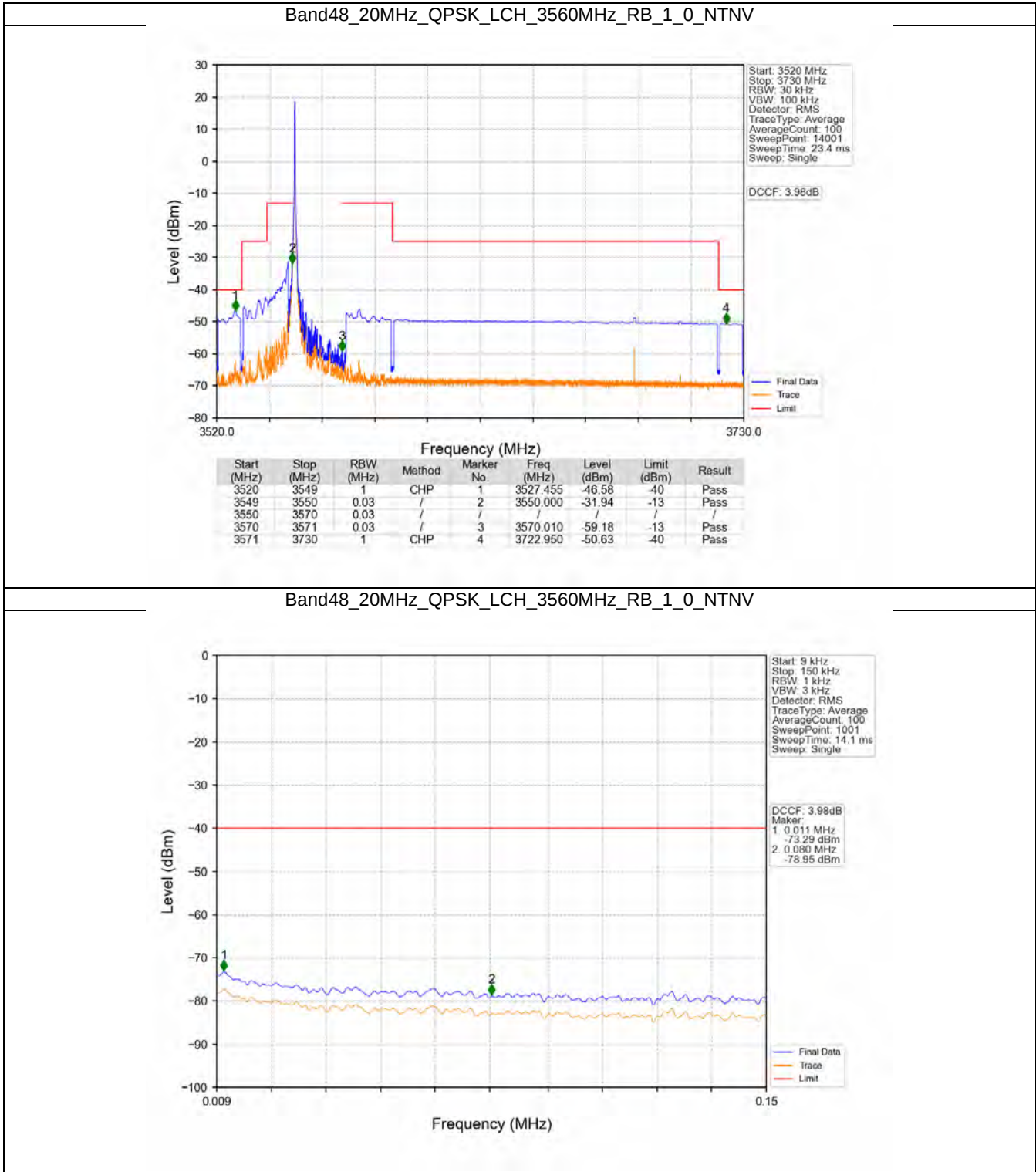


Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTNV

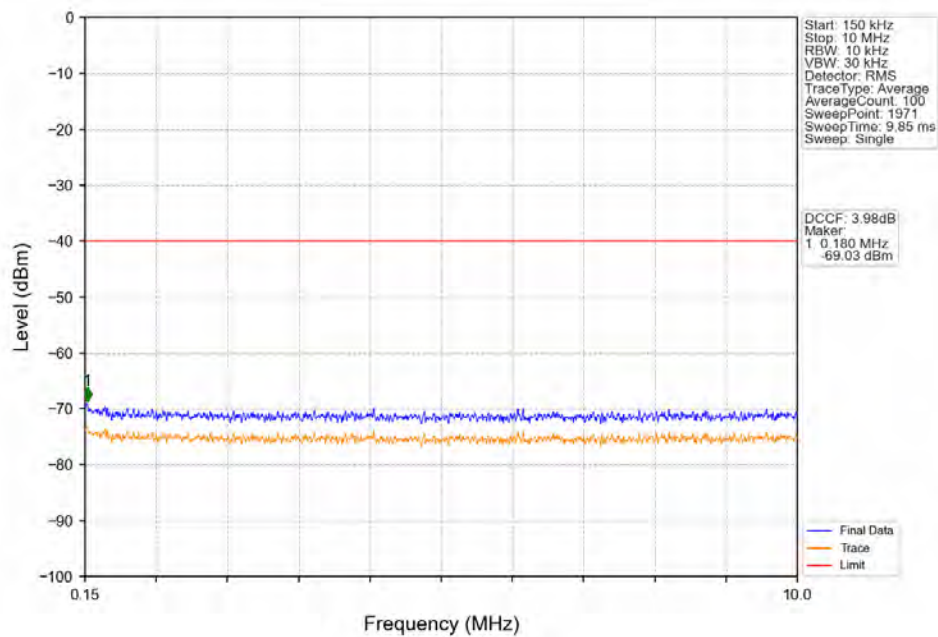


5.4 B48_20MHz

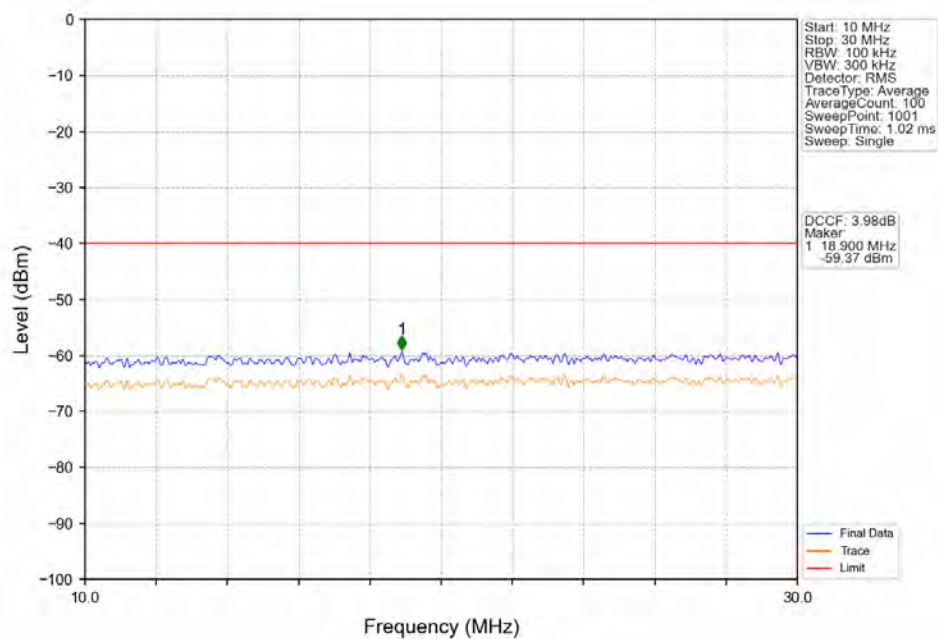
5.4.2 Test Graph



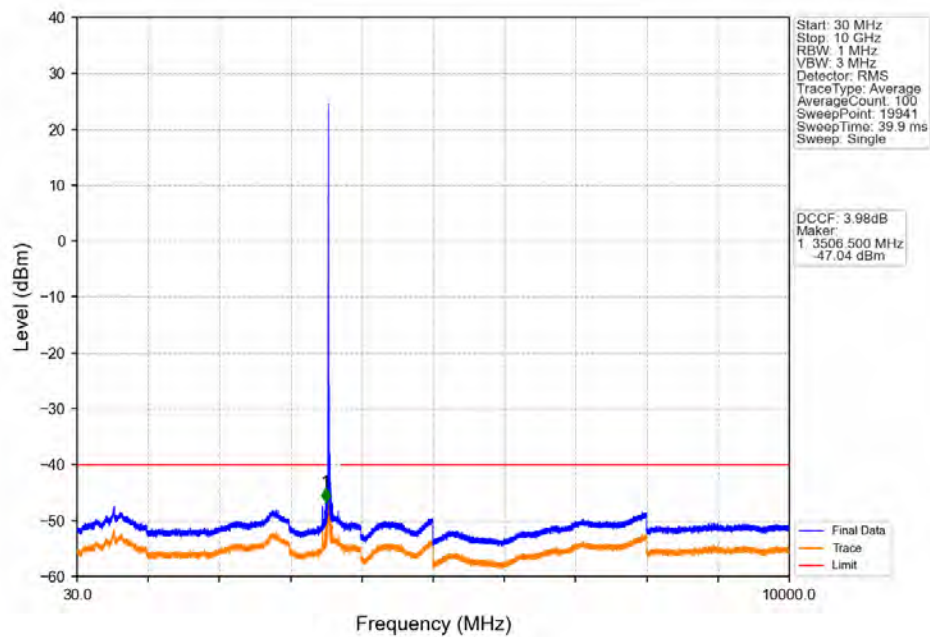
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



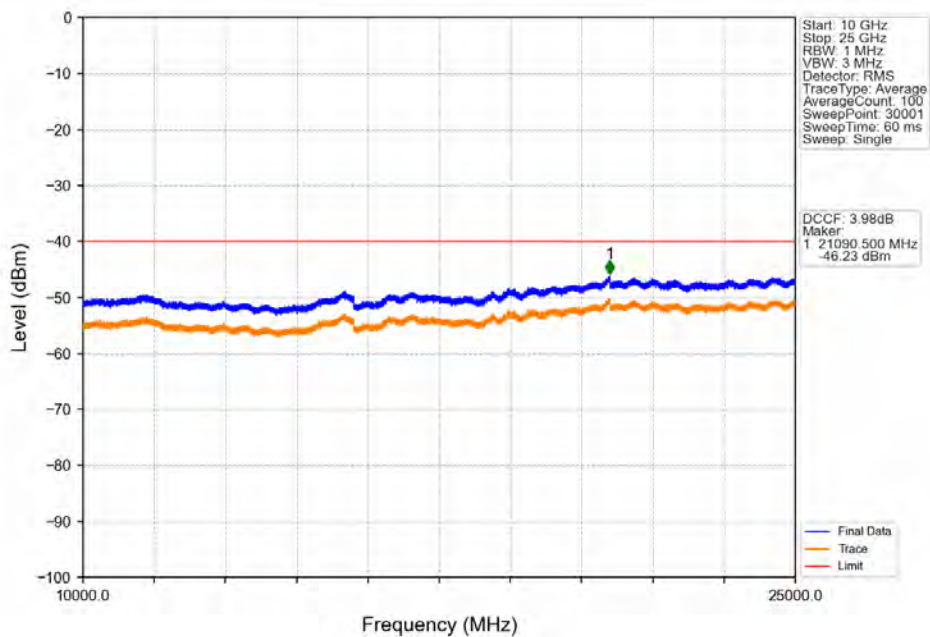
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



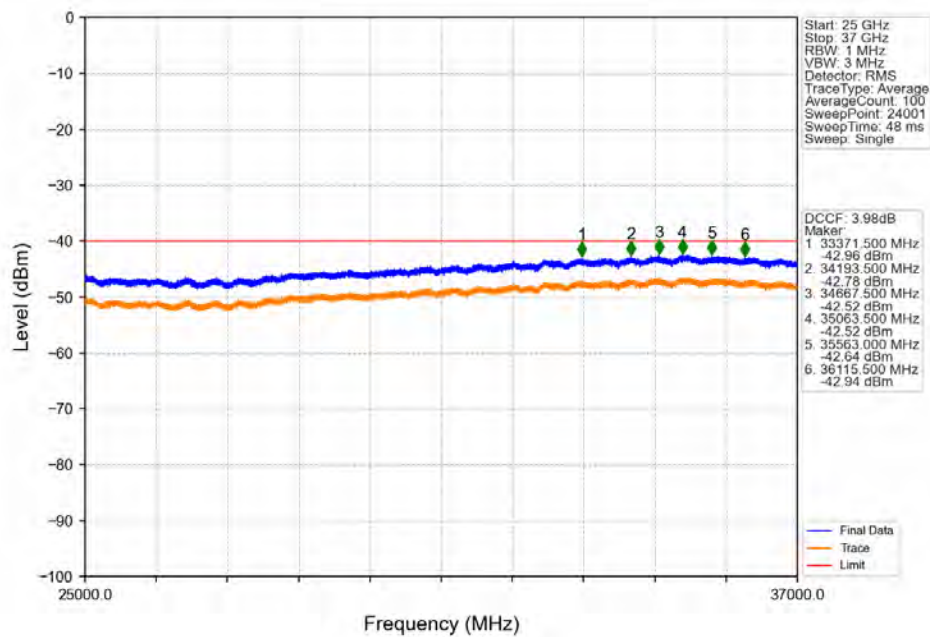
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



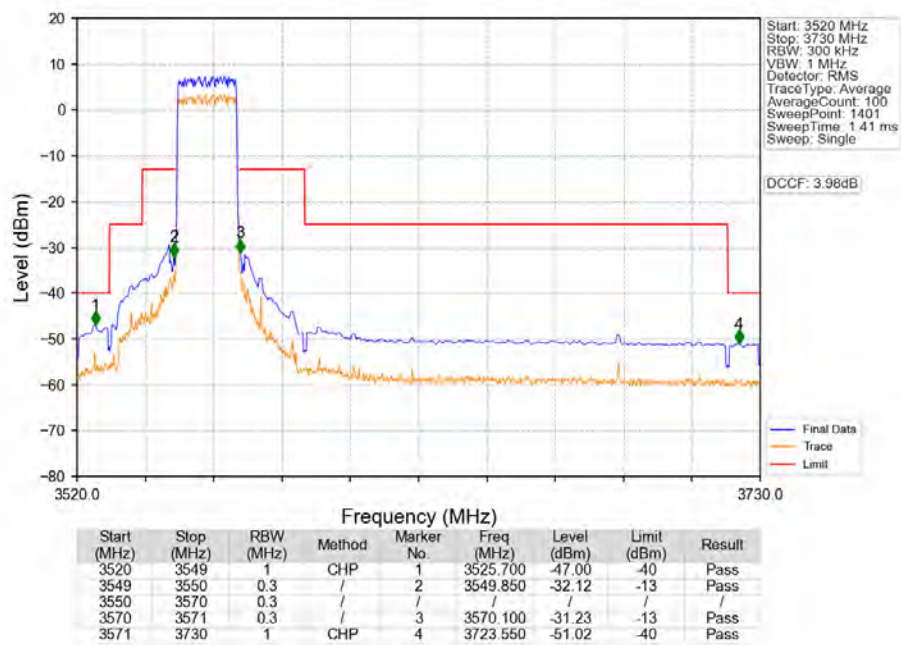
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



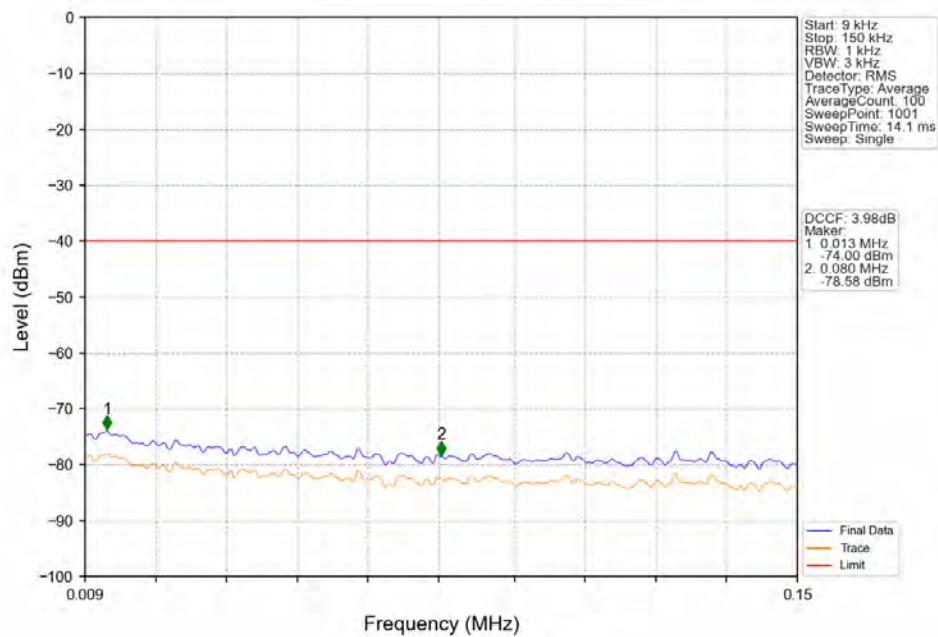
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTNV



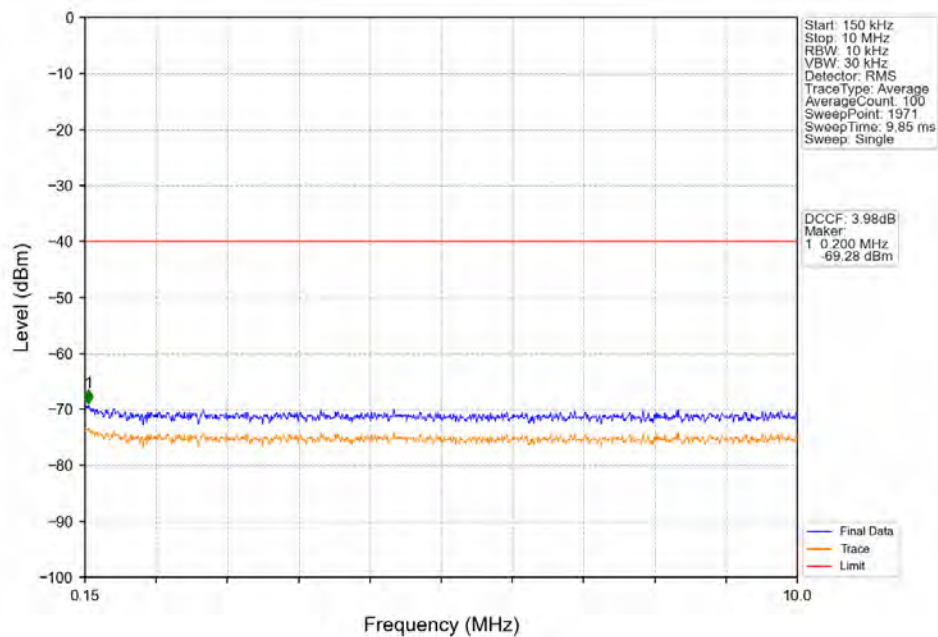
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



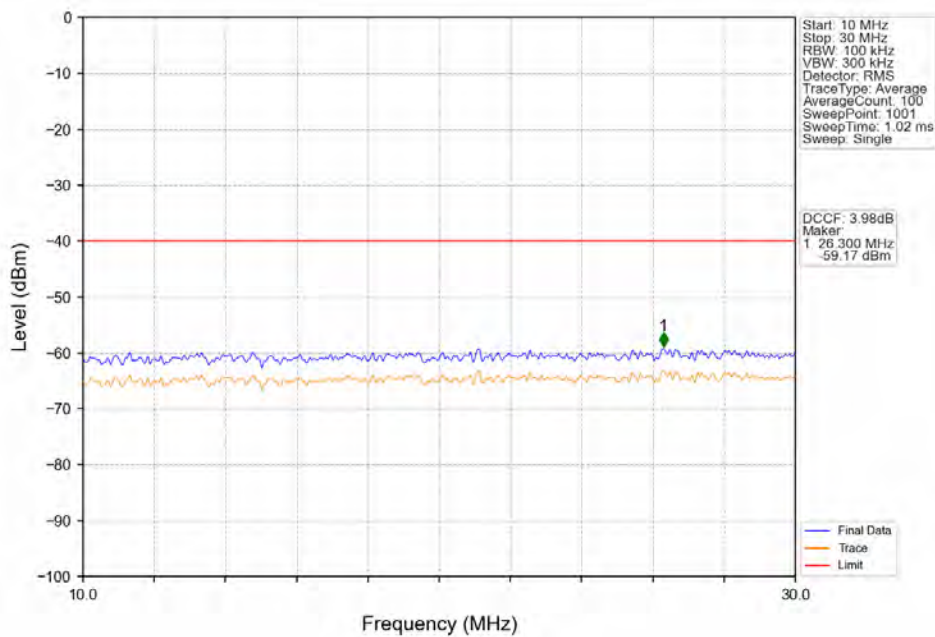
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



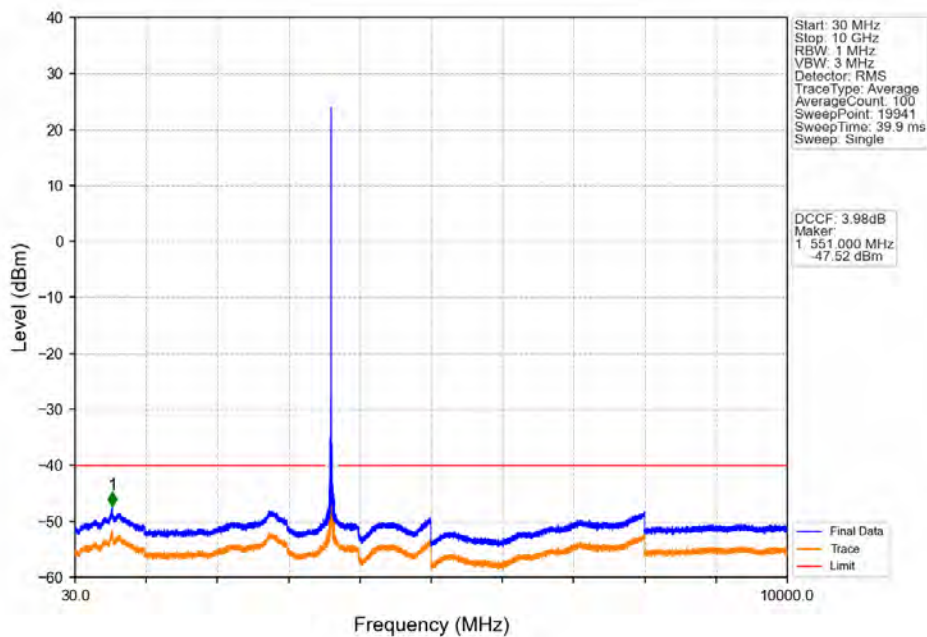
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



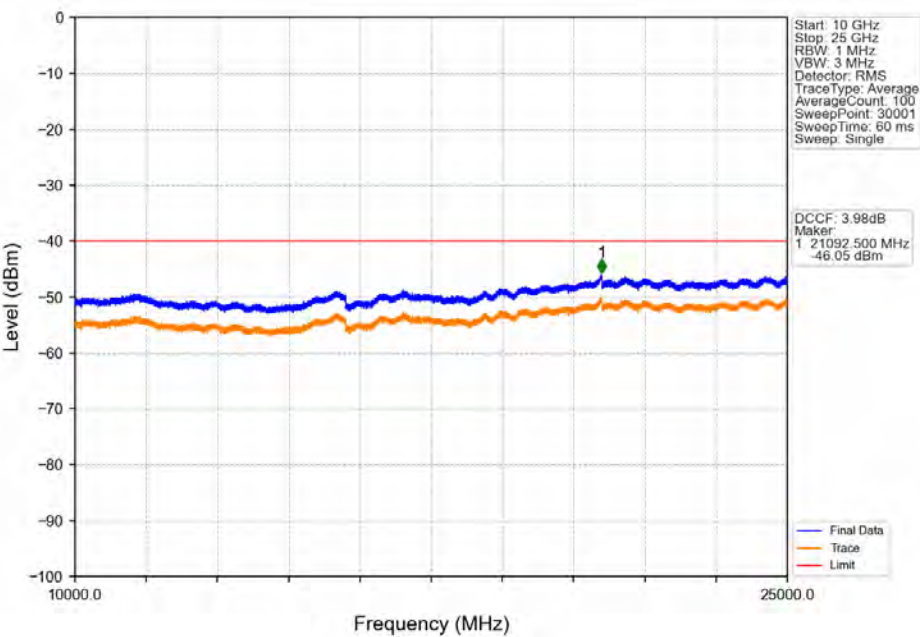
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



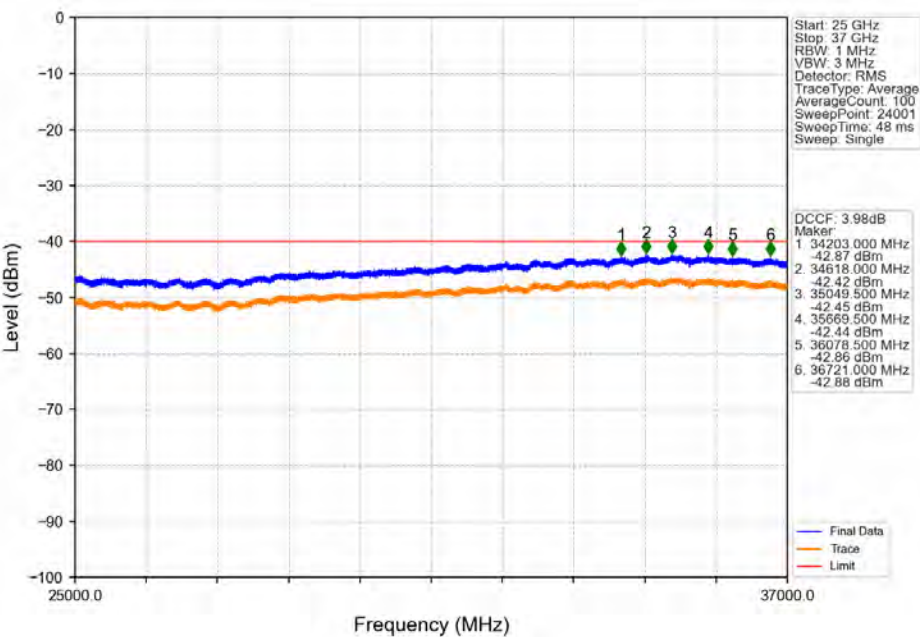
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



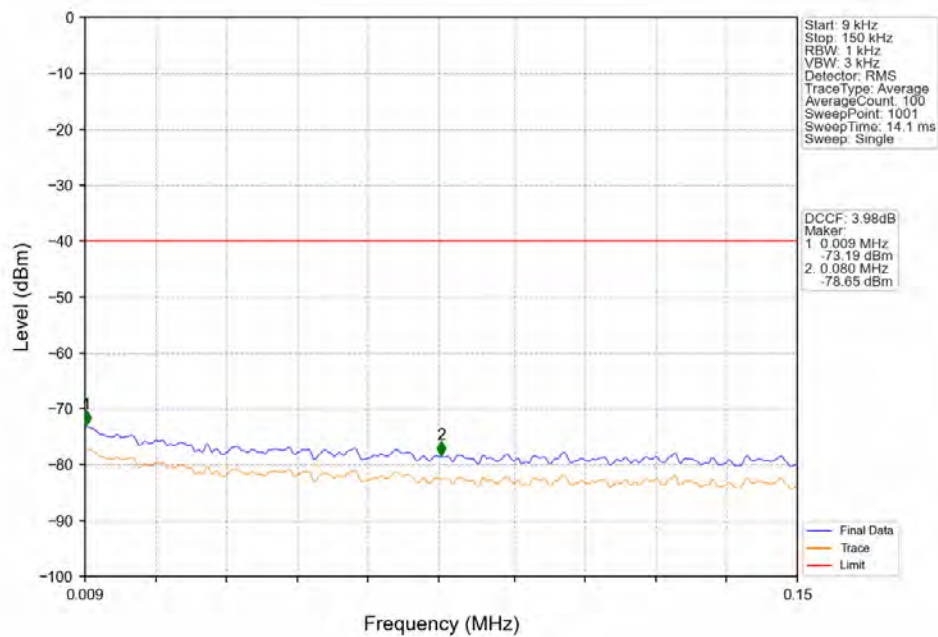
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



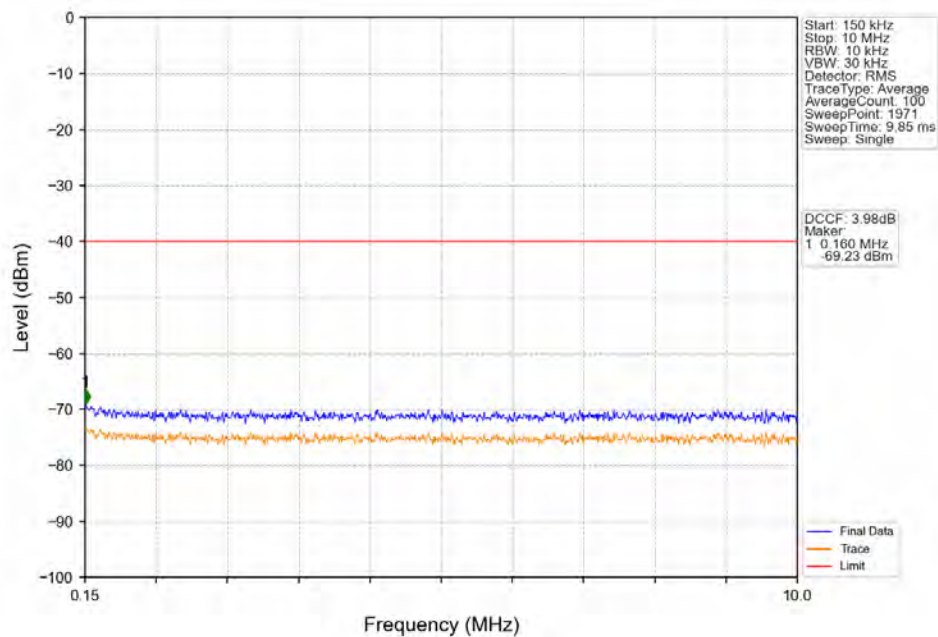
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



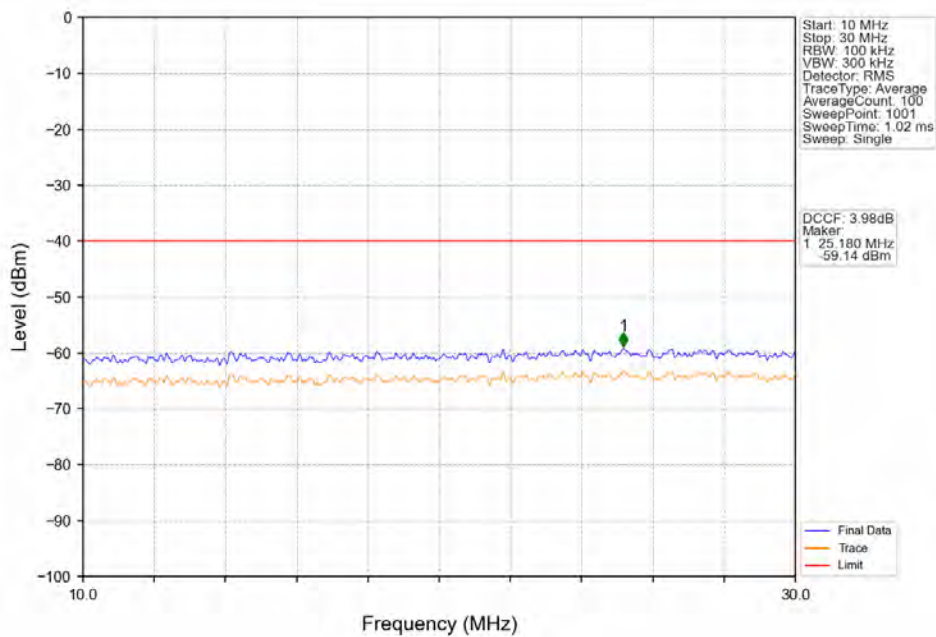
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



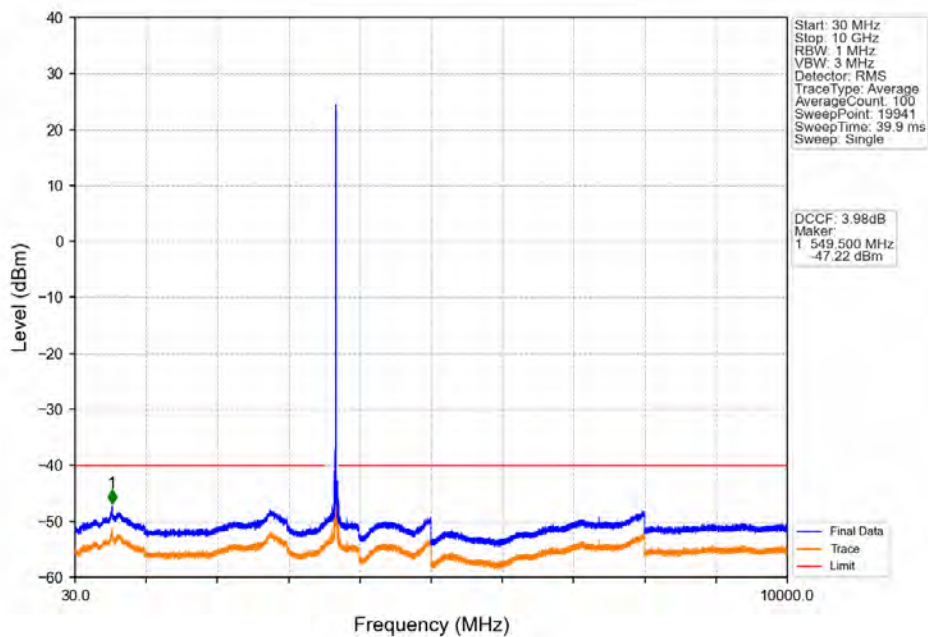
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



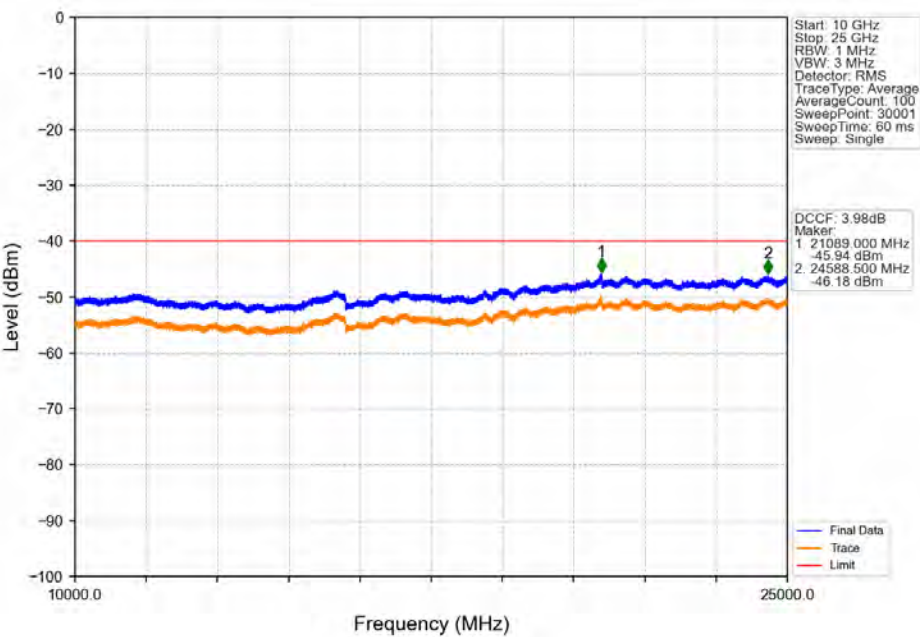
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



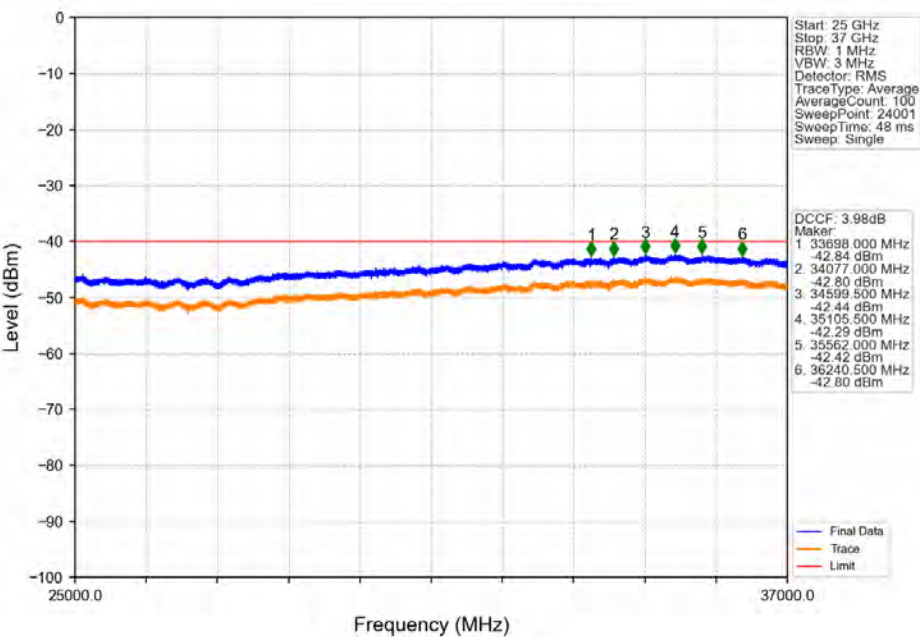
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



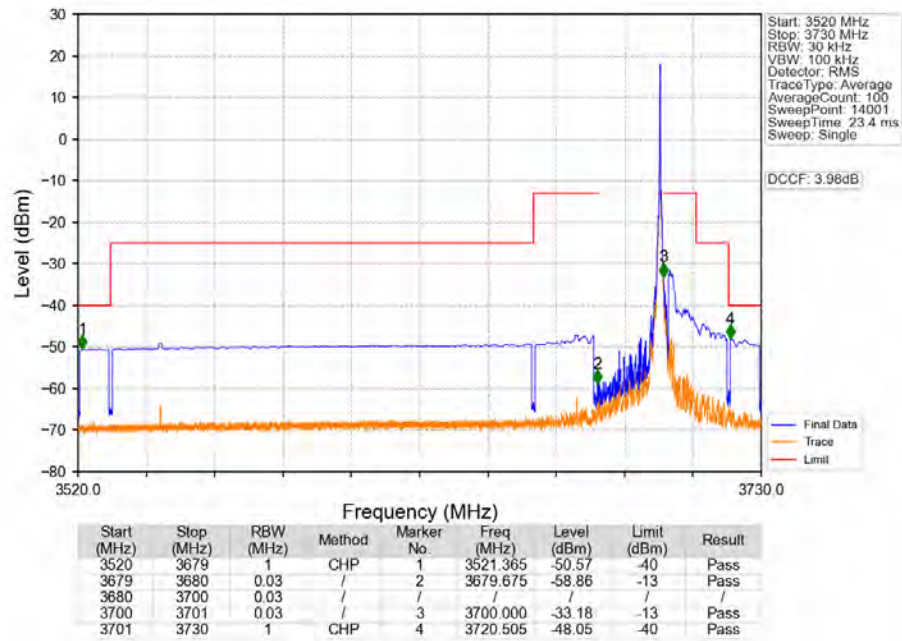
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



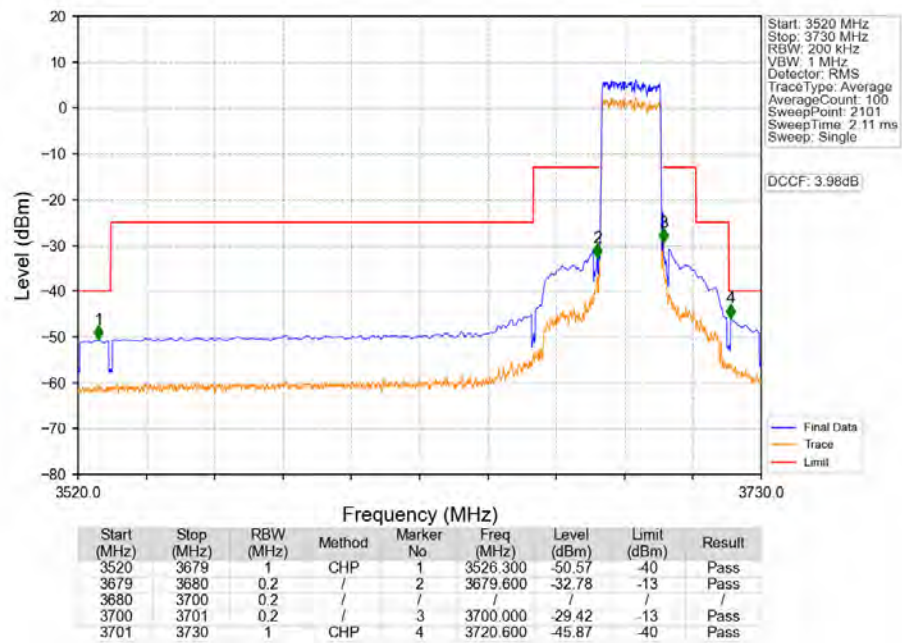
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTNV



Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



6. Adjacent Channel Leakage Ratio

6.1 B48_5MHz

6.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.2 B48_10MHz

6.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.3 B48_15MHz

6.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

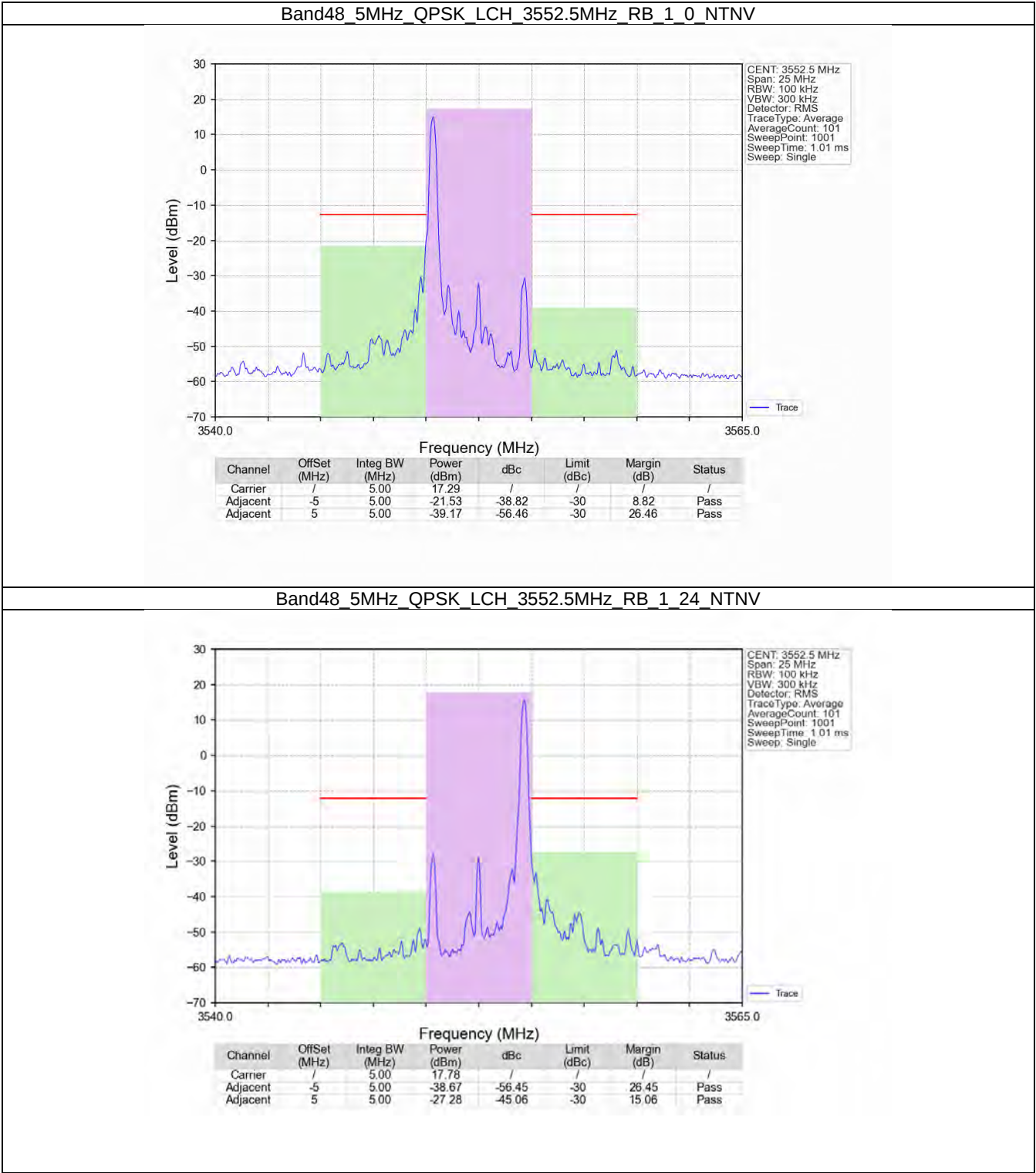
6.4 B48_20MHz

6.4.1 Test Result

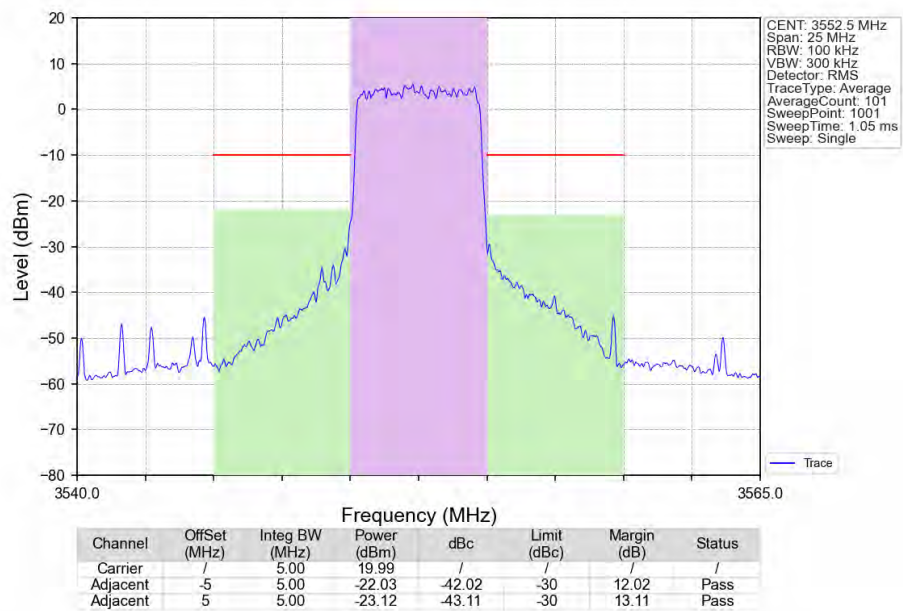
Band: 48 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

6.1 B48_5MHz

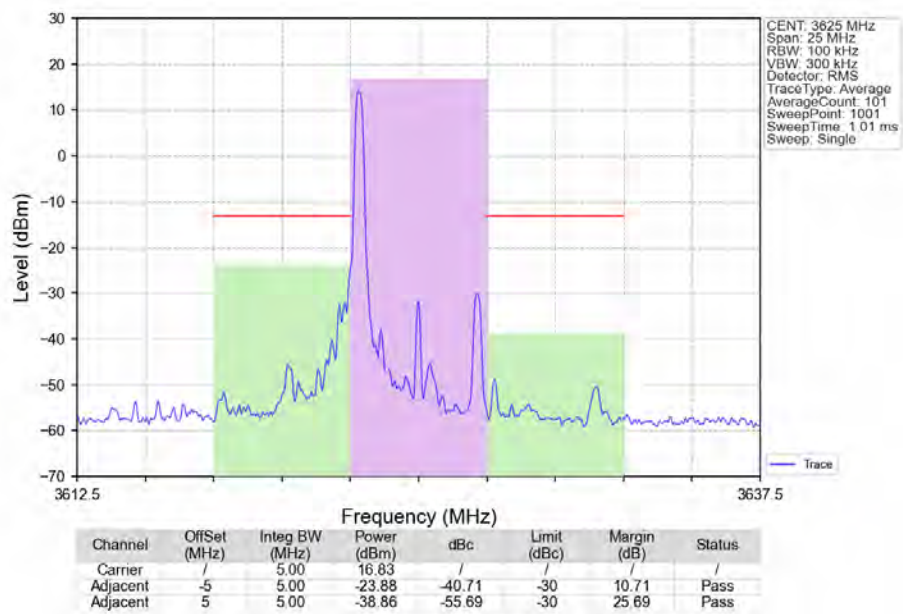
6.1.2 Test Graph



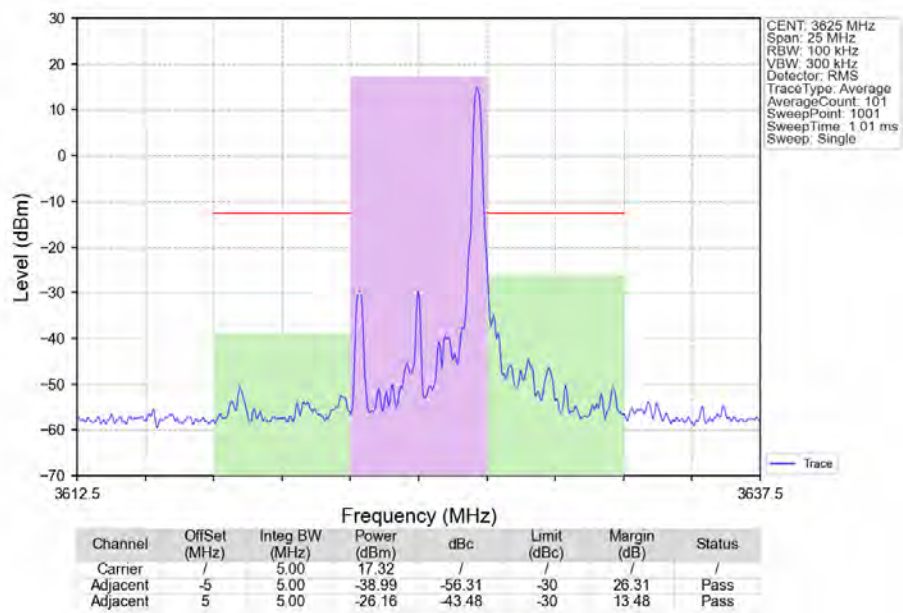
Band48 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



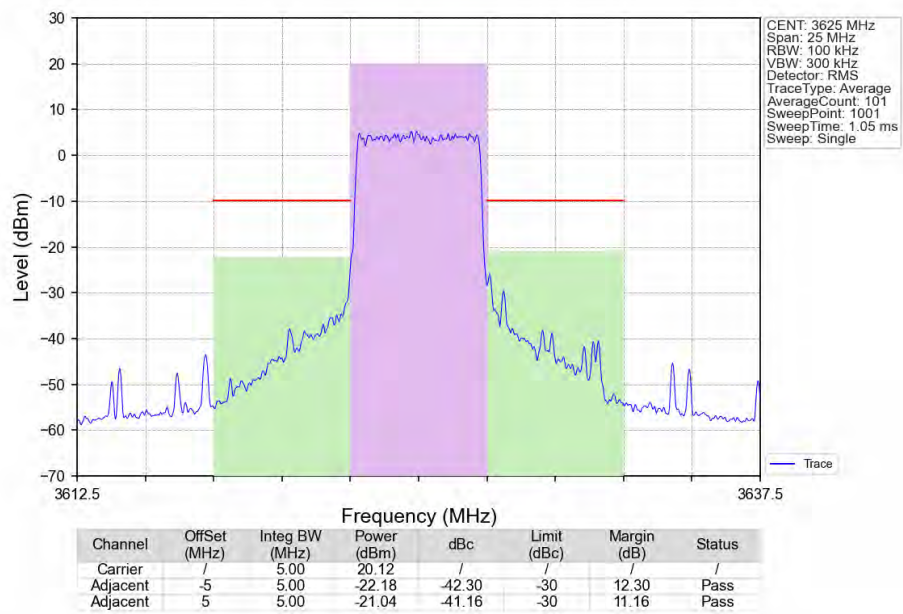
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



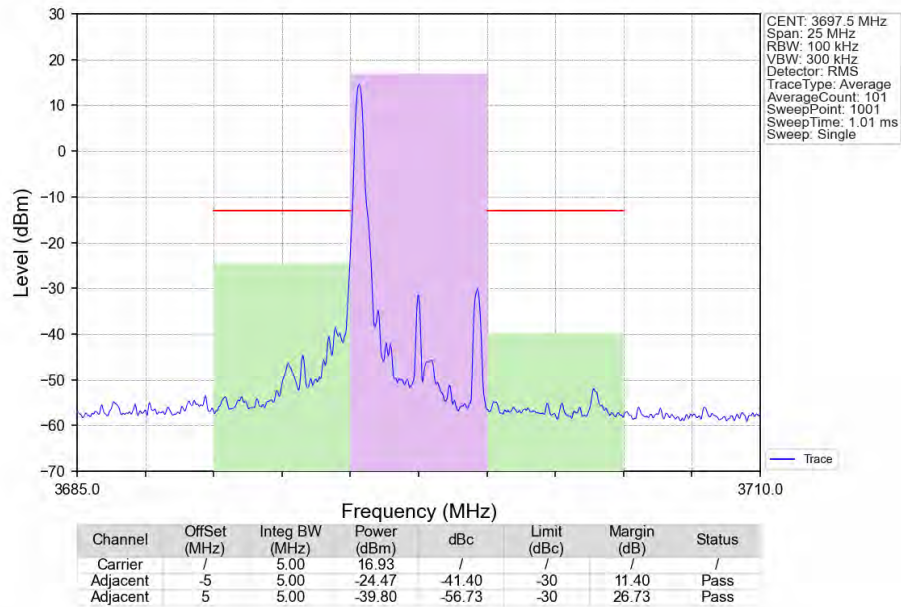
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_24_NTNV



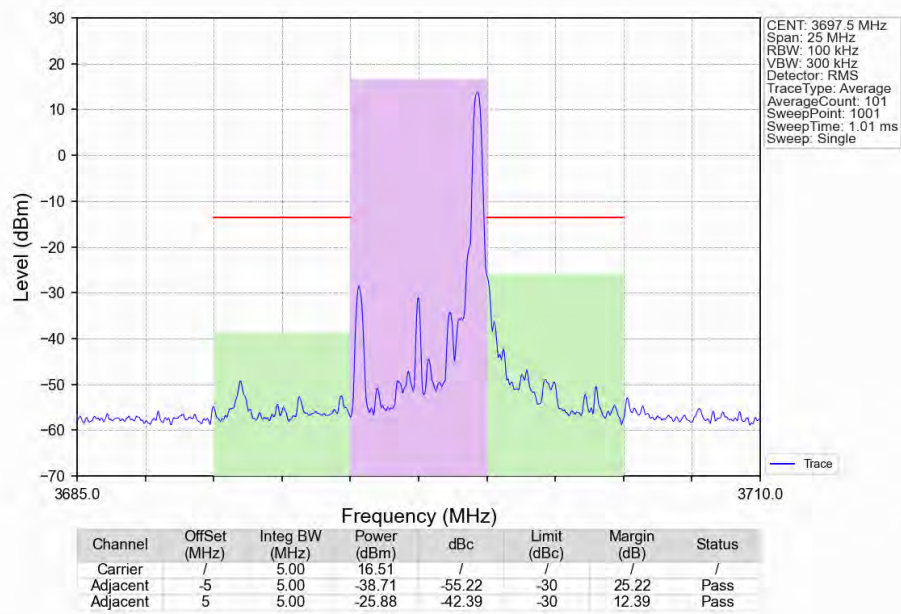
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



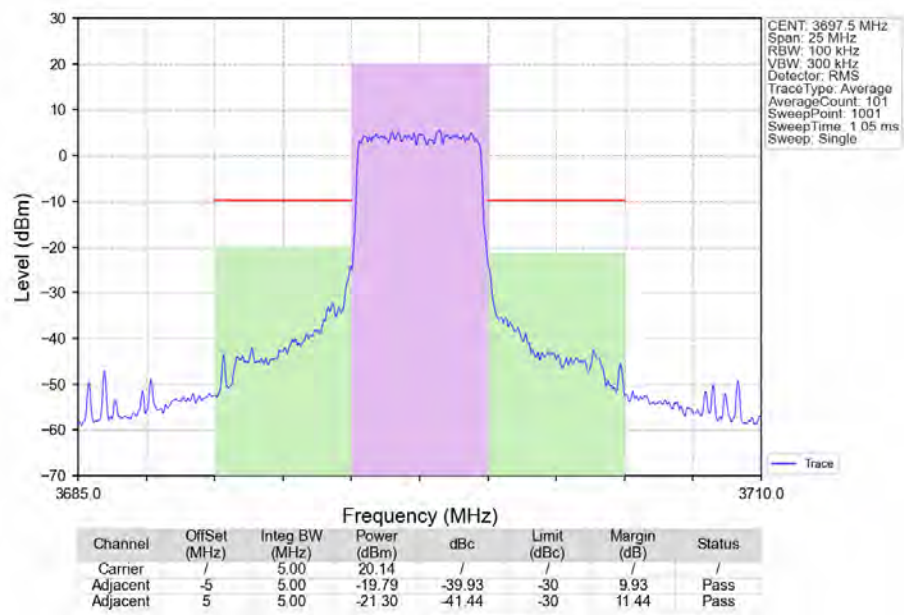
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



Band48 5MHz QPSK HCH 3697.5MHz RB 1 24 NTNV

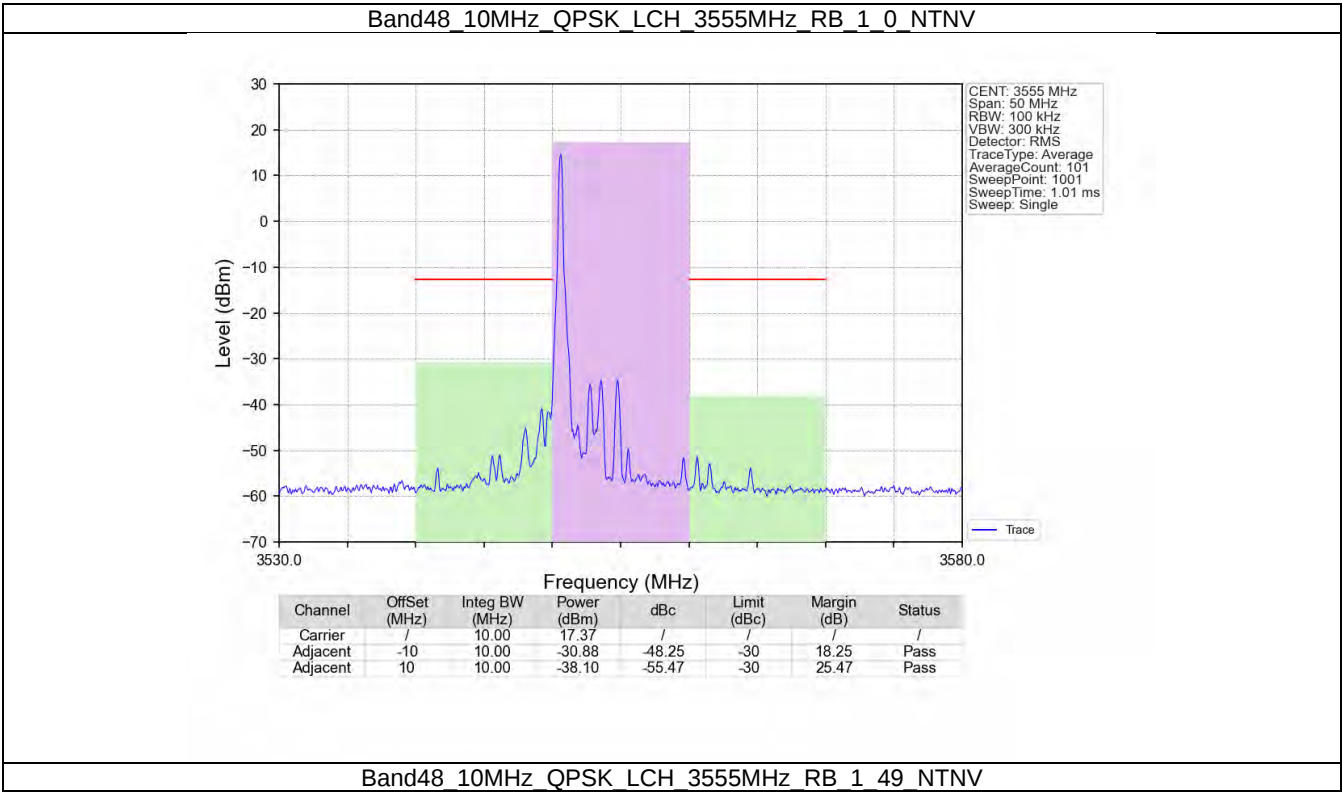


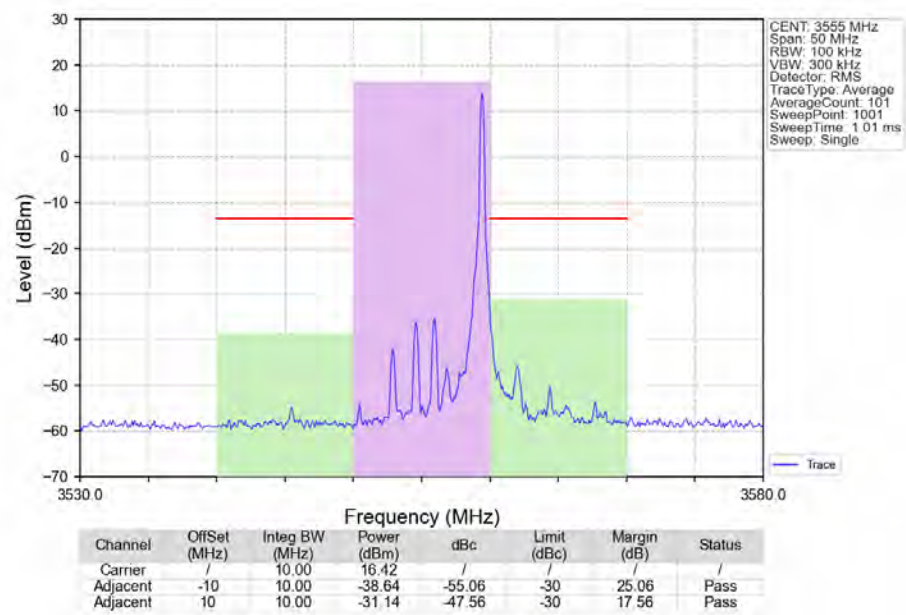
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV



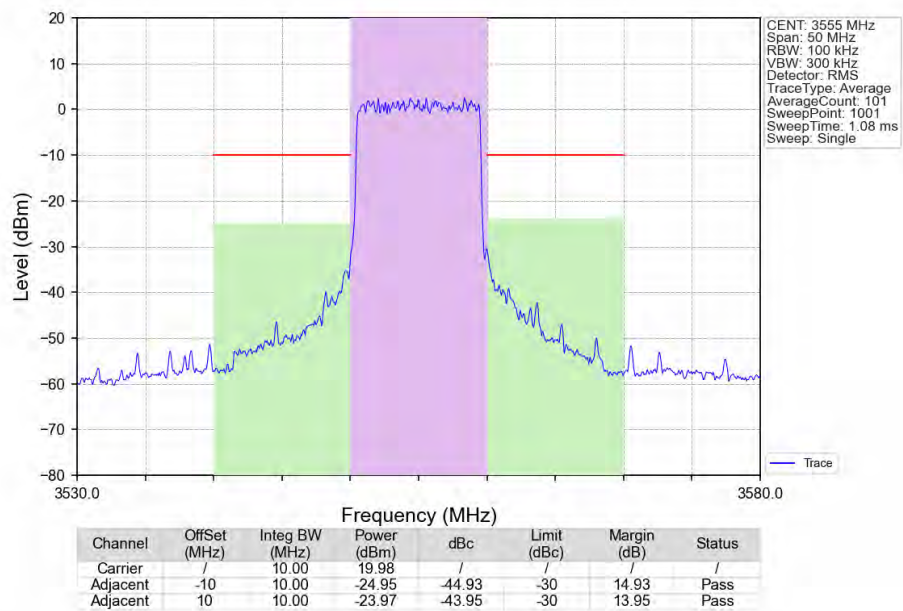
6.2 B48_10MHz

6.2.2 Test Graph

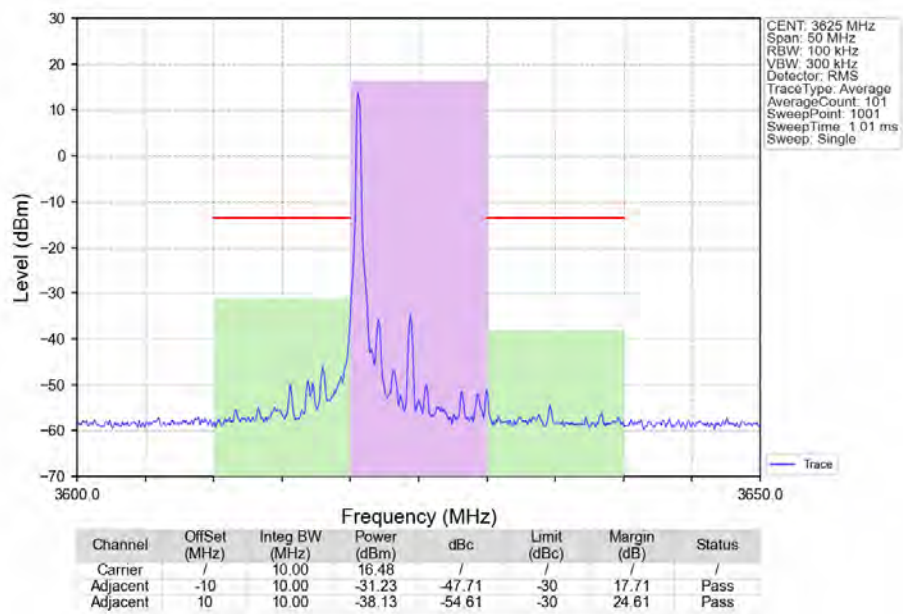




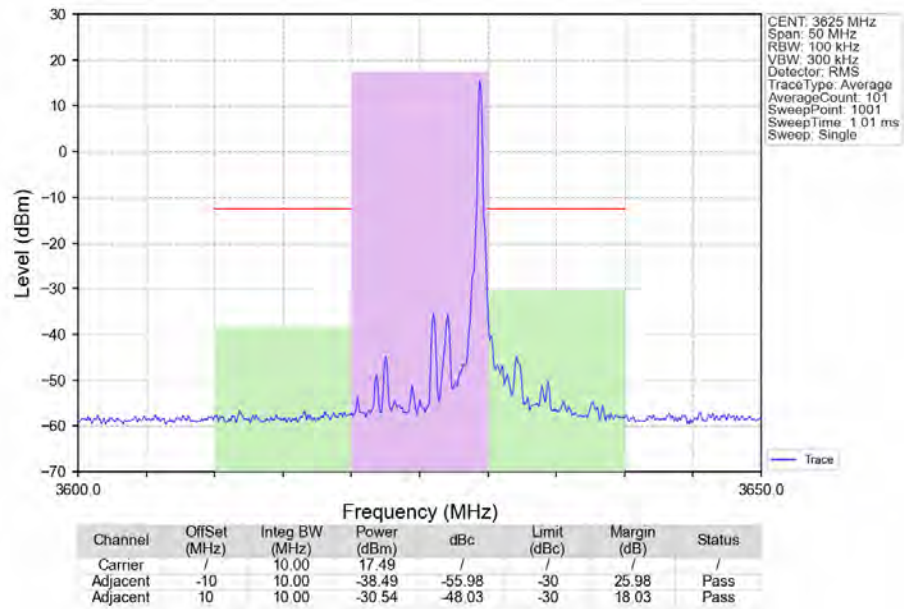
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



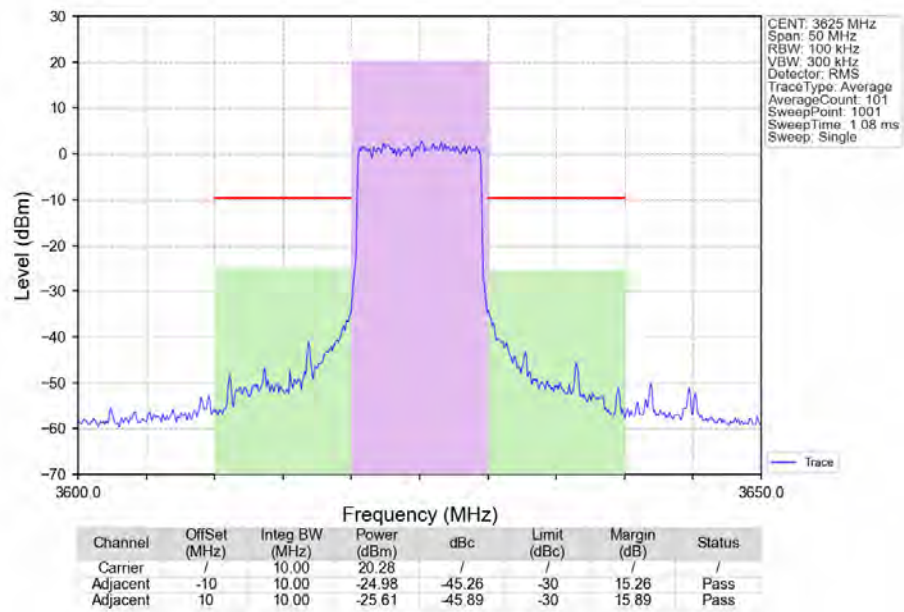
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



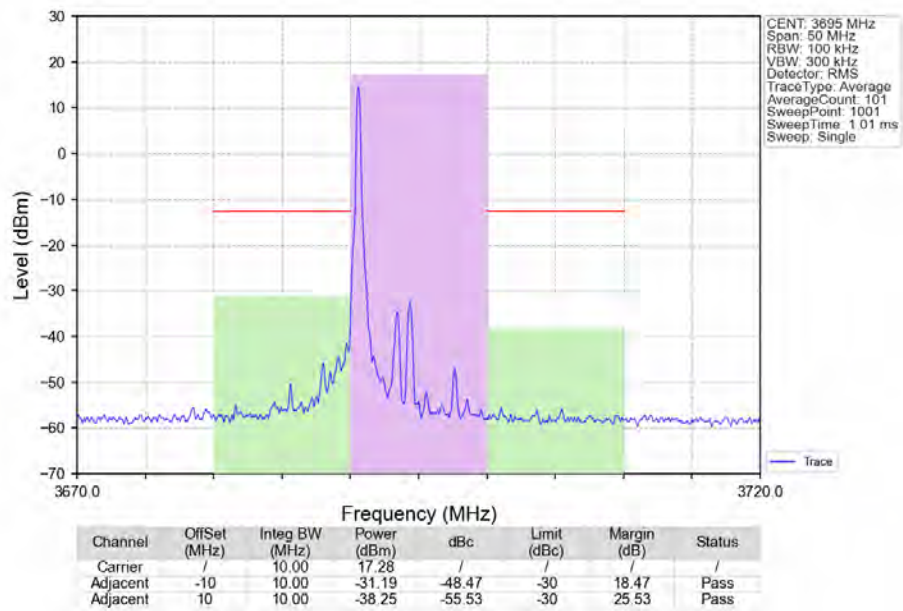
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_49_NTNV



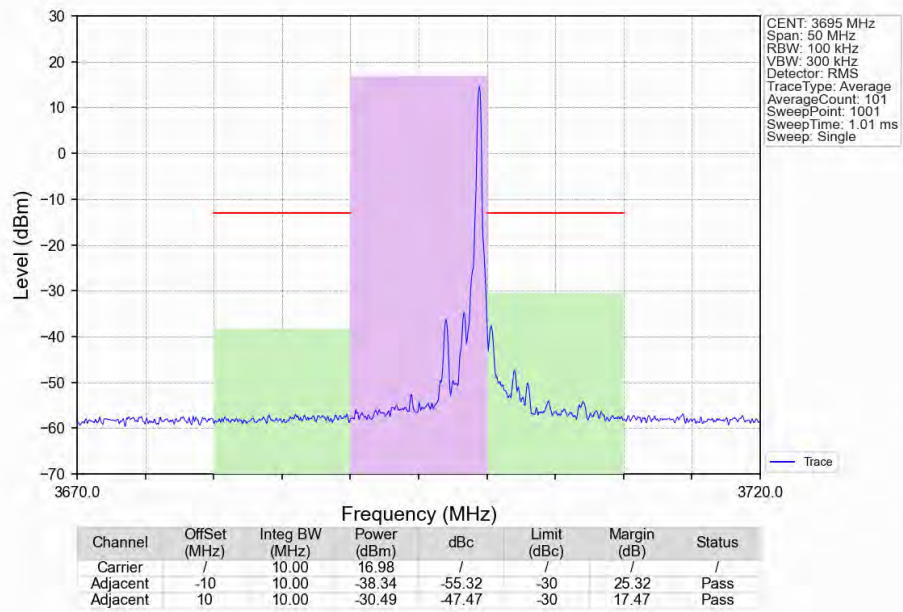
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



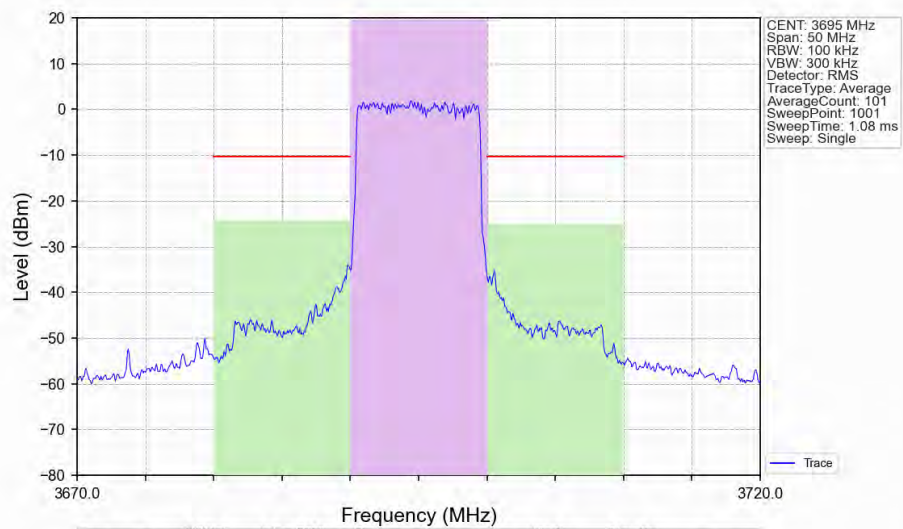
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTN



Band48 10MHz QPSK HCH 3695MHz RB 1 49 NTN



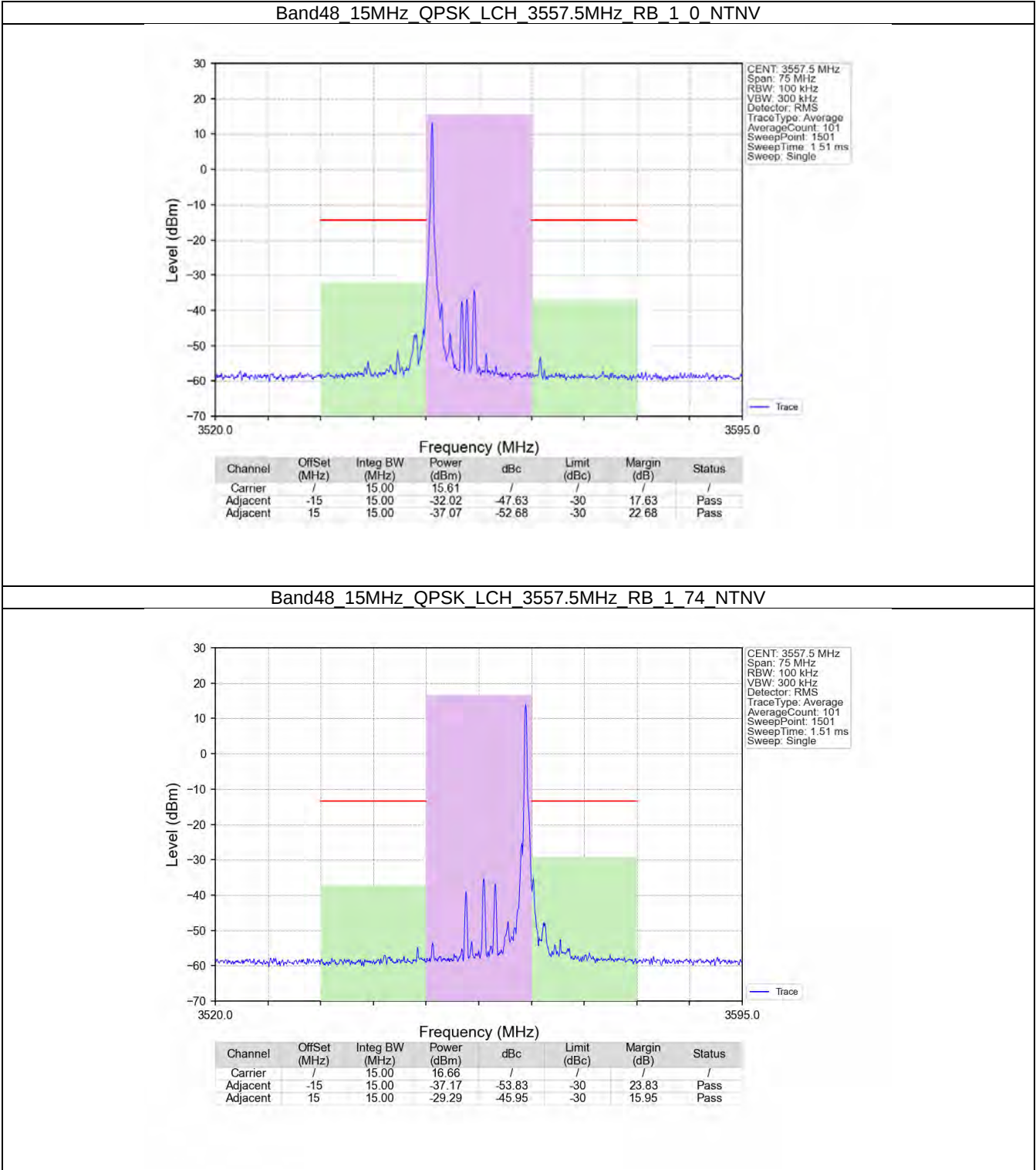
Band48 10MHz QPSK HCH 3695MHz RB 50 0 NTNV



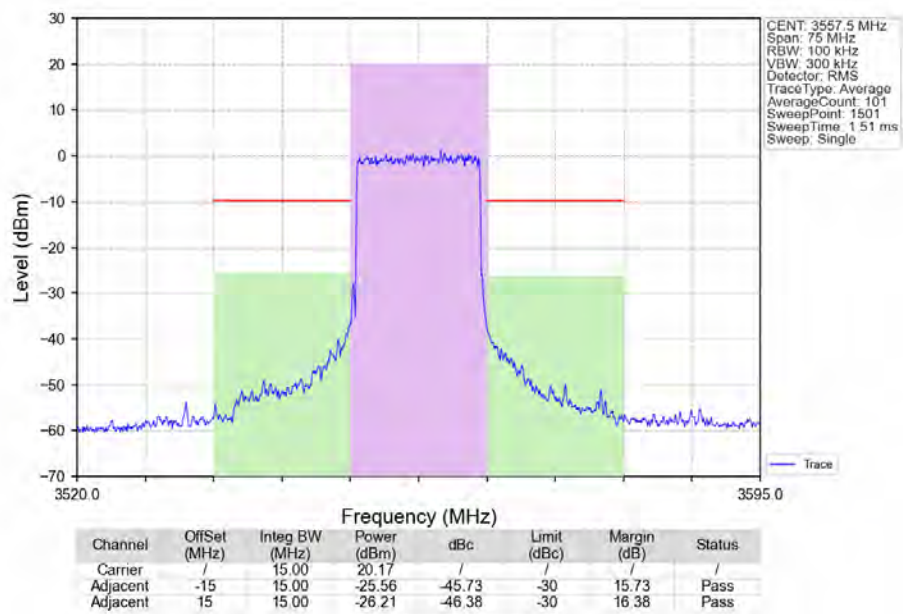
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.68	/	/	/	/
Adjacent	-10	10.00	-24.18	-43.86	-30	13.86	Pass
Adjacent	10	10.00	-25.19	-44.87	-30	14.87	Pass

6.3 B48_15MHz

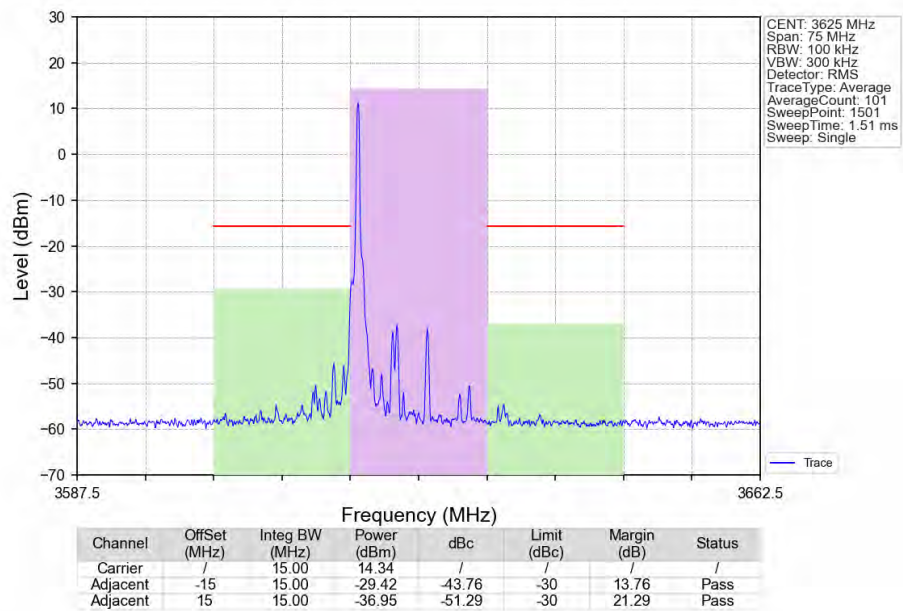
6.3.2 Test Graph



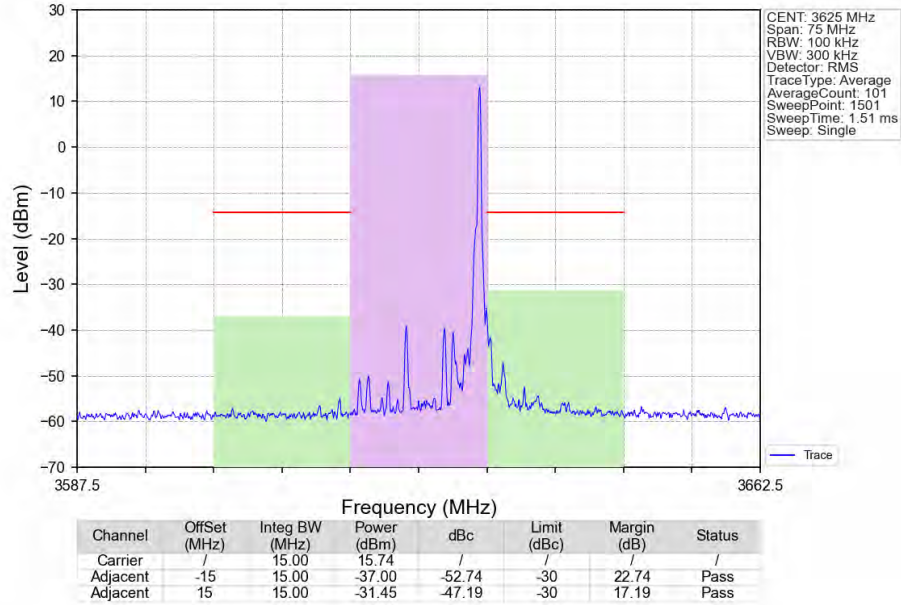
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



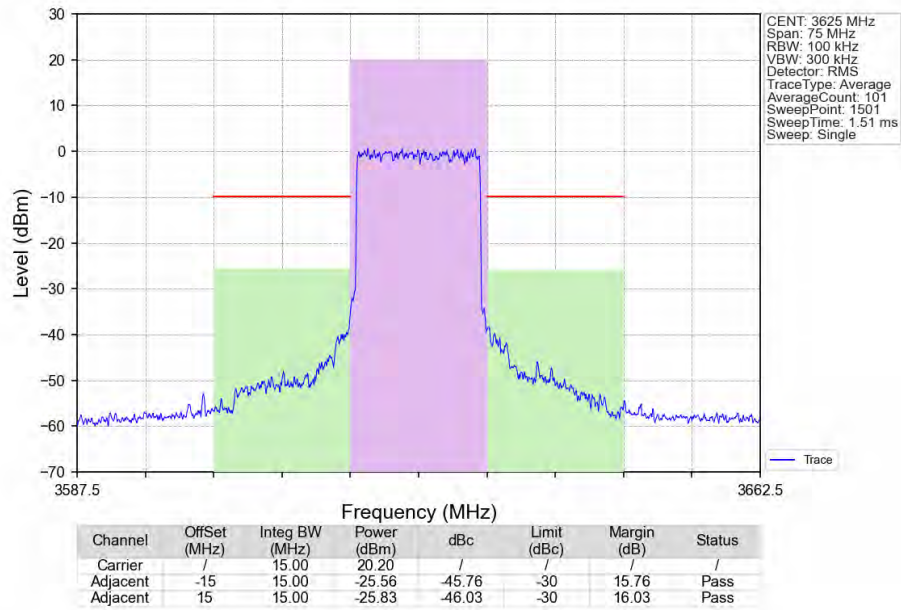
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



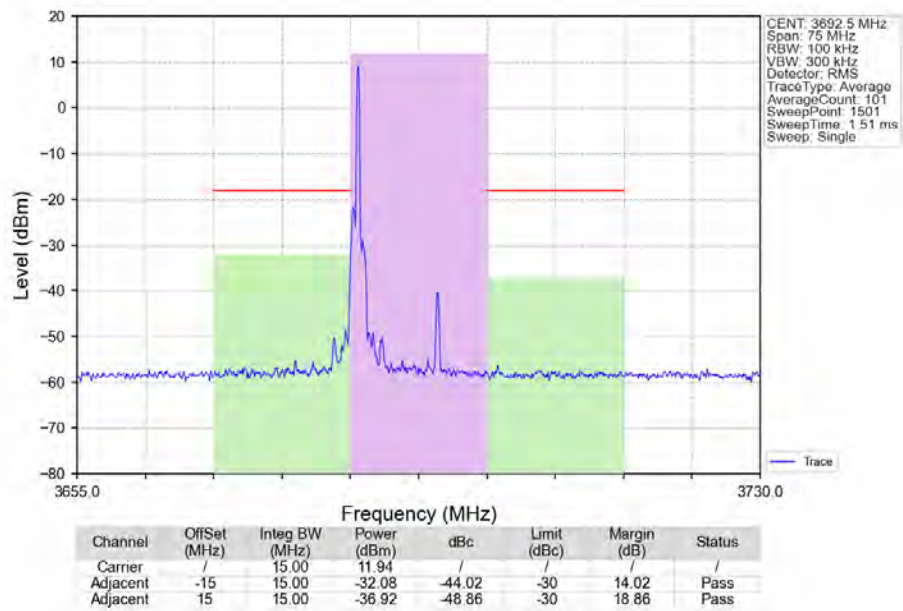
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_74_NTNV



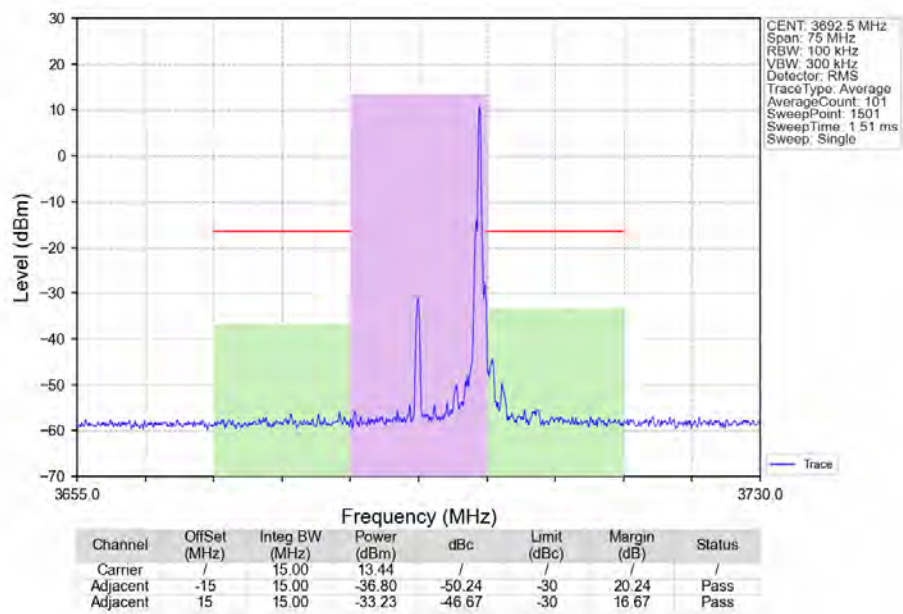
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



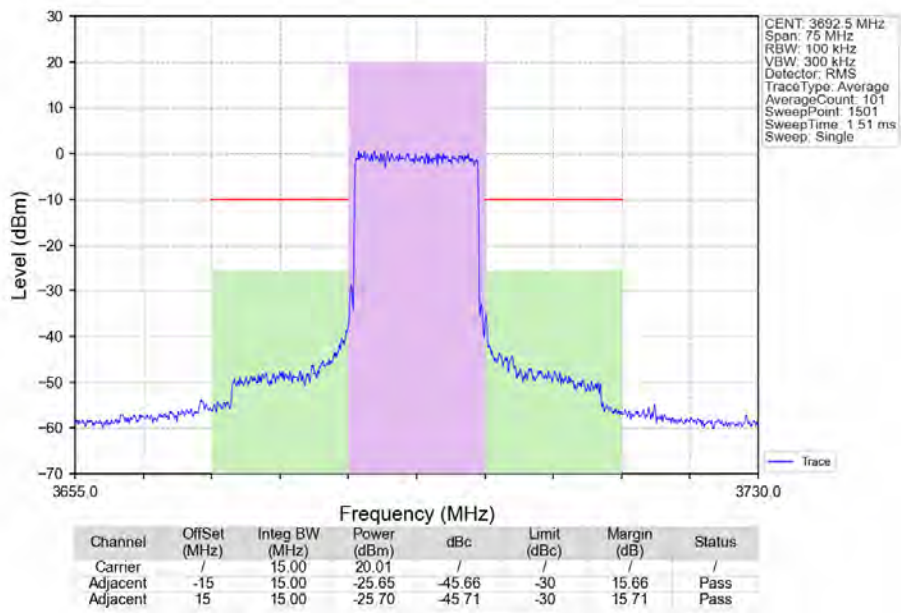
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_74_NTNV

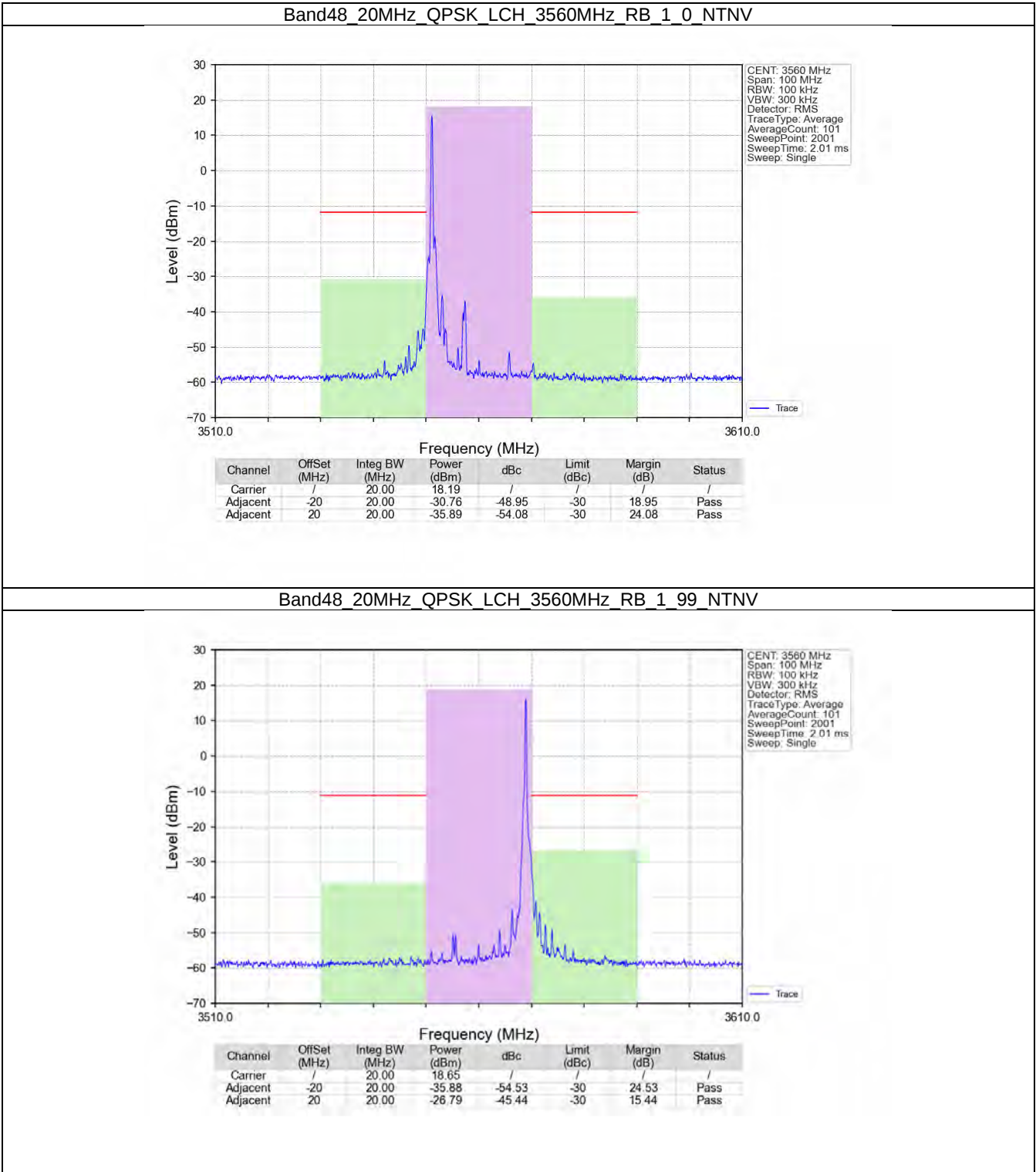


Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTNV

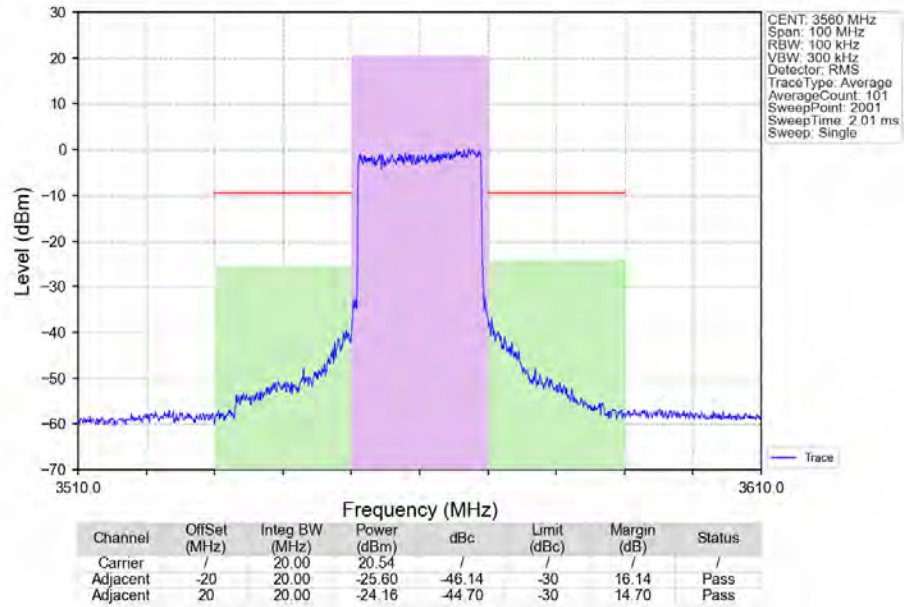


6.4 B48_20MHz

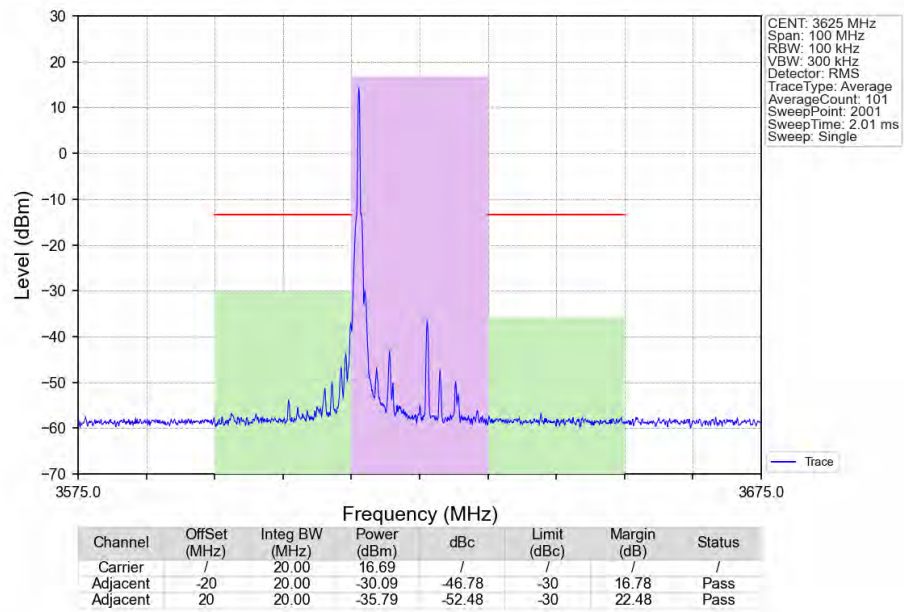
6.4.2 Test Graph



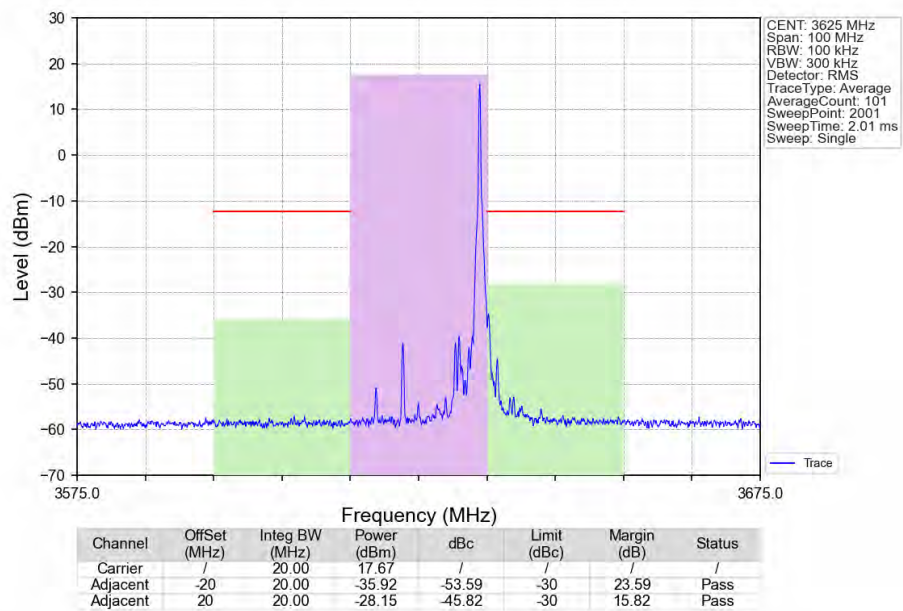
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



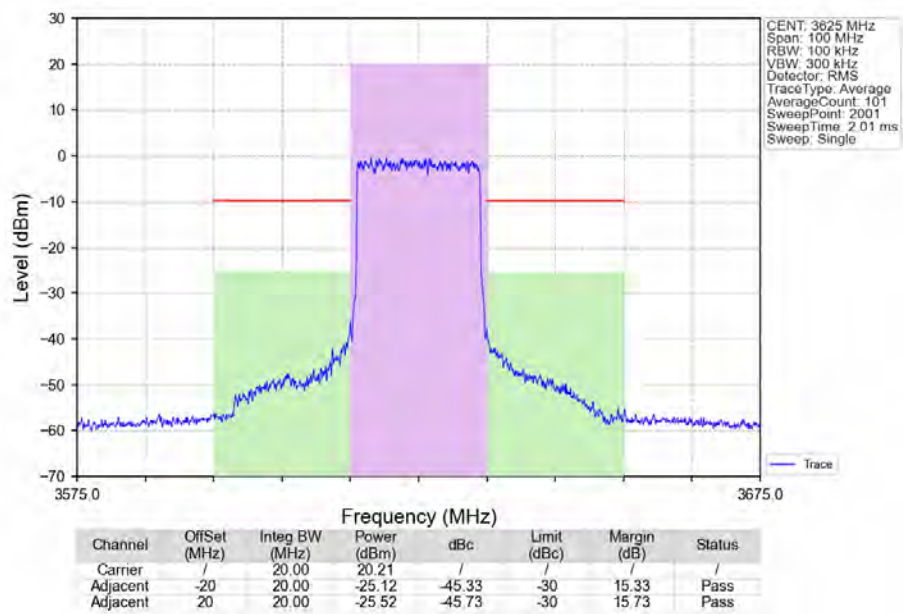
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



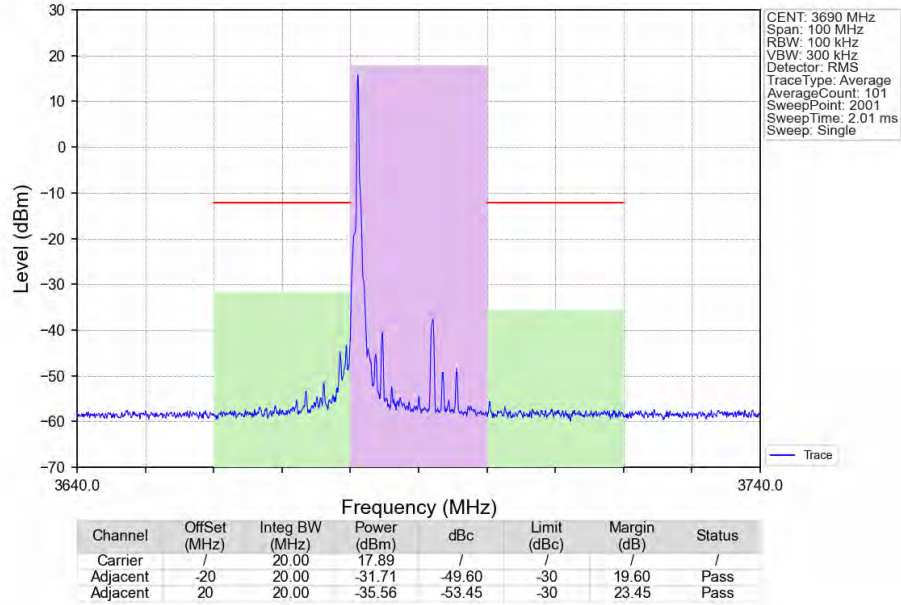
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_99_NTNV



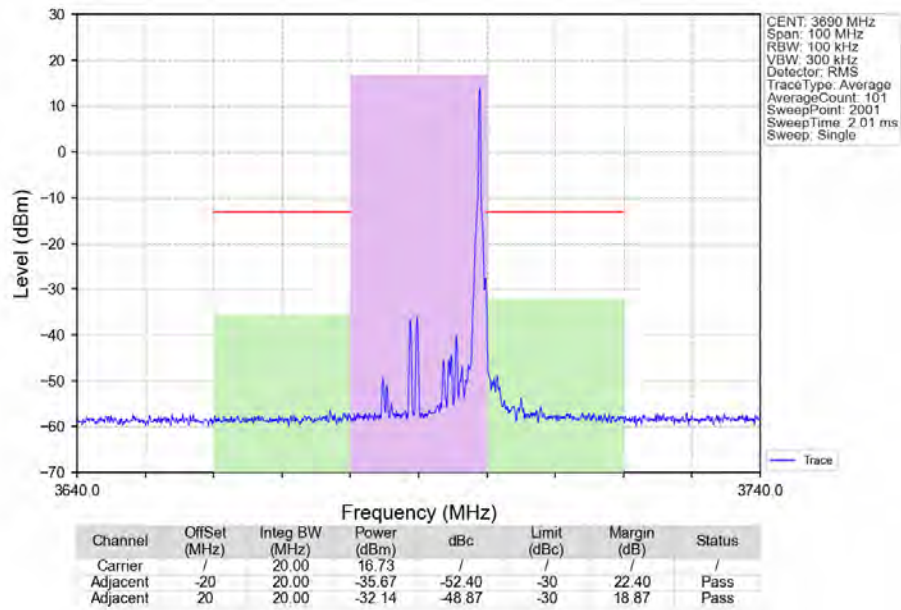
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV

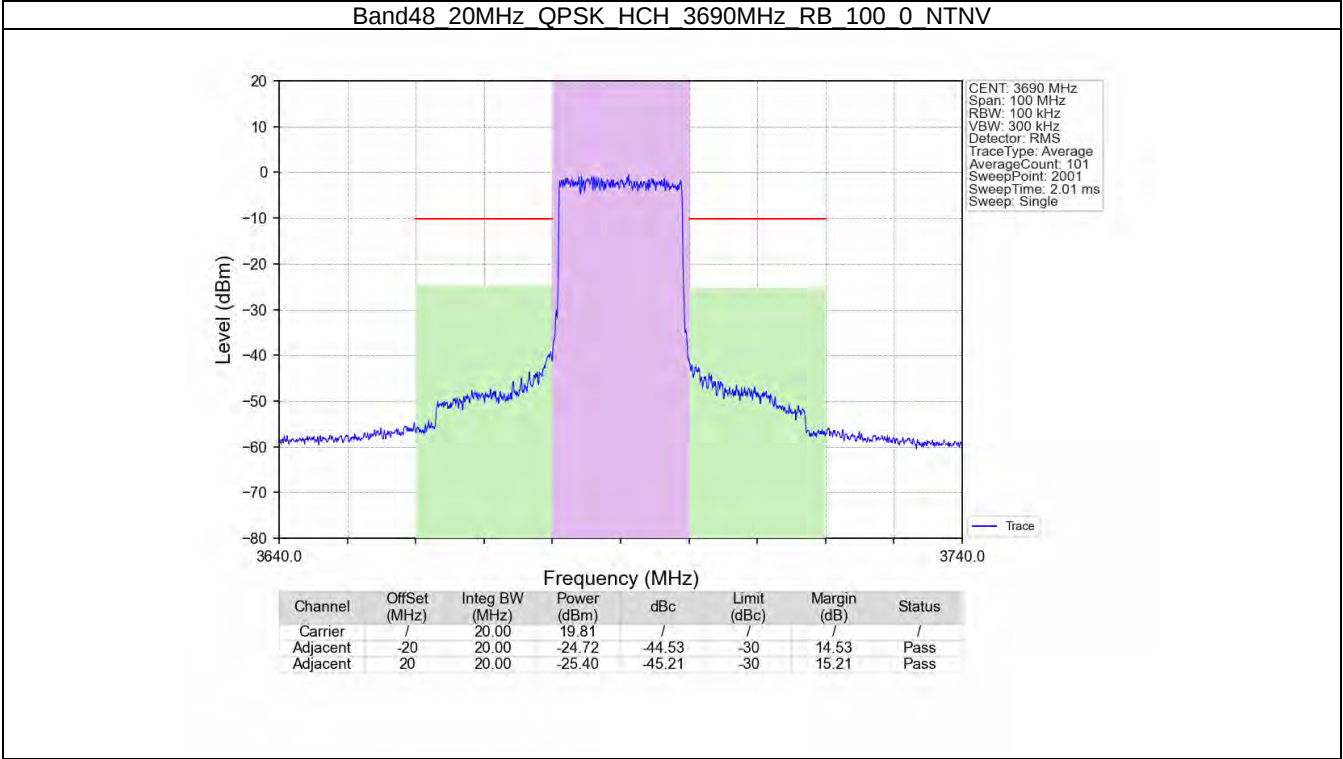


Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTN



Band48 20MHz QPSK HCH 3690MHz RB 1 99 NTN





7. Field Strength of Spurious Radiation

For Sample #1:

Test Band = LTE Band48_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	49.37	-43.66	35.29	-54.26	-40.00	14.26	Horizontal
2	8910.975	40.22	-40.91	36.55	-59.39	-40.00	19.39	Horizontal
3	9871.8	38.25	-39.16	38.24	-57.93	-40.00	17.93	Horizontal
4	11412.225	36.45	-37.39	38.81	-57.39	-40.00	17.39	Horizontal
5	13437.375	35.31	-36.29	40.01	-56.22	-40.00	16.22	Horizontal
6	15058.3	33.55	-34.45	41.48	-54.69	-40.00	14.69	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	49.28	-43.66	35.29	-54.35	-40.00	14.35	Vertical
2	8591.85	40.82	-40.96	36.74	-58.66	-40.00	18.66	Vertical
3	10043.15	38.22	-39.09	38.50	-57.62	-40.00	17.62	Vertical
4	11932.6	36.04	-37.29	39.07	-57.45	-40.00	17.45	Vertical
5	13963.5	33.59	-35.07	40.75	-55.99	-40.00	15.99	Vertical
6	15348.675	32.79	-33.99	40.87	-55.59	-40.00	15.59	Vertical

Test Band = LTE Band48_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7231.975	44.55	-43.52	35.65	-58.58	-40.00	18.58	Horizontal
2	8584.95	41.39	-41.03	36.75	-58.15	-40.00	18.15	Horizontal
3	9565.9	38.76	-39.46	37.63	-58.33	-40.00	18.33	Horizontal
4	10702.675	36.04	-37.52	38.57	-58.17	-40.00	18.17	Horizontal
5	11920.525	36.51	-37.32	39.06	-57.00	-40.00	17.00	Horizontal
6	13700.725	34.77	-35.99	40.38	-56.10	-40.00	16.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7231.975	49.99	-43.52	35.65	-53.14	-40.00	13.14	Vertical
2	8403.25	41.17	-41.38	36.86	-58.62	-40.00	18.62	Vertical
3	9553.825	39.48	-39.55	37.61	-57.72	-40.00	17.72	Vertical
4	11023.525	36.33	-37.63	38.61	-57.95	-40.00	17.95	Vertical
5	12772.675	35.76	-36.68	39.33	-56.85	-40.00	16.85	Vertical
6	14897.3	33.62	-35.13	41.52	-55.25	-40.00	15.25	Vertical

Test Band = LTE Band48_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7413.1	41.67	-42.84	36.16	-60.27	-40.00	20.27	Horizontal
2	9006.425	39.48	-40.84	36.51	-60.11	-40.00	20.11	Horizontal
3	10571.575	36.08	-38.22	38.56	-58.85	-40.00	18.85	Horizontal
4	12052.775	36.08	-37.19	39.12	-57.25	-40.00	17.25	Horizontal
5	13484.525	35.62	-36.56	40.08	-56.12	-40.00	16.12	Horizontal
6	15168.7	31.89	-33.99	41.25	-56.11	-40.00	16.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7362.5	44.95	-42.99	36.02	-57.29	-40.00	17.29	Vertical
2	8748.825	41.37	-41.24	36.65	-58.48	-40.00	18.48	Vertical
3	10312.25	38.16	-38.94	38.53	-57.51	-40.00	17.51	Vertical
4	11784.25	35.99	-37.03	38.99	-57.30	-40.00	17.30	Vertical
5	13972.125	32.98	-35.00	40.76	-56.52	-40.00	16.52	Vertical
6	15353.275	32.43	-33.99	40.86	-55.97	-40.00	15.97	Vertical

For Sample #2:

Test Band = LTE Band48_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	49.02	-43.66	35.29	-54.61	-40.00	14.61	Horizontal
2	8101.95	40.81	-41.36	37.04	-58.77	-40.00	18.77	Horizontal
3	9342.8	39.79	-40.01	37.19	-58.29	-40.00	18.29	Horizontal
4	10956.25	35.93	-37.69	38.60	-58.42	-40.00	18.42	Horizontal
5	12712.875	35.36	-36.80	39.31	-57.39	-40.00	17.39	Horizontal
6	14391.875	34.66	-35.14	41.11	-54.63	-40.00	14.63	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	47.36	-43.66	35.29	-56.27	-40.00	16.27	Vertical
2	8098.5	40.63	-41.35	37.04	-58.94	-40.00	18.94	Vertical
3	9490	40.25	-39.96	37.48	-57.49	-40.00	17.49	Vertical
4	10888.4	36.01	-37.89	38.59	-58.55	-40.00	18.55	Vertical
5	12135	35.77	-37.16	39.14	-57.51	-40.00	17.51	Vertical
6	14276.3	33.26	-35.73	41.02	-56.71	-40.00	16.71	Vertical

Test Band = LTE Band48_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7387.225	42.33	-42.86	36.08	-59.70	-40.00	19.70	Horizontal
2	8760.9	41.25	-41.22	36.64	-58.58	-40.00	18.58	Horizontal
3	10004.05	38.32	-39.35	38.50	-57.79	-40.00	17.79	Horizontal
4	11420.85	36.00	-37.30	38.81	-57.75	-40.00	17.75	Horizontal
5	13511.55	34.51	-36.58	40.12	-57.21	-40.00	17.21	Horizontal
6	14517.8	32.26	-34.43	41.21	-56.22	-40.00	16.22	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7486.7	41.43	-43.12	36.36	-60.59	-40.00	20.59	Vertical
2	9099	38.74	-40.41	36.70	-60.24	-40.00	20.24	Vertical
3	10312.25	38.85	-38.94	38.53	-56.82	-40.00	16.82	Vertical
4	11934.325	35.48	-37.29	39.07	-58.00	-40.00	18.00	Vertical
5	13534.55	33.98	-36.44	40.15	-57.57	-40.00	17.57	Vertical
6	15909.875	31.90	-34.21	39.69	-57.88	-40.00	17.88	Vertical

Test Band = LTE Band48_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7361.925	46.77	-43.00	36.01	-55.47	-40.00	15.47	Horizontal
2	8347.475	41.10	-41.63	36.89	-58.90	-40.00	18.90	Horizontal
3	10029.925	37.94	-39.18	38.50	-57.99	-40.00	17.99	Horizontal
4	11085.05	35.83	-37.73	38.64	-58.51	-40.00	18.51	Horizontal
5	12560.5	35.37	-37.10	39.27	-57.72	-40.00	17.72	Horizontal
6	15326.25	31.76	-33.96	40.91	-56.54	-40.00	16.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7361.925	46.36	-43.00	36.01	-55.88	-40.00	15.88	Vertical
2	8356.675	40.88	-41.59	36.89	-59.08	-40.00	19.08	Vertical
3	9726.9	37.31	-39.37	37.95	-59.36	-40.00	19.36	Vertical
4	11895.8	35.29	-37.34	39.05	-58.27	-40.00	18.27	Vertical
5	13386.775	34.32	-36.20	39.94	-57.19	-40.00	17.19	Vertical
6	14823.125	32.08	-35.03	41.46	-56.75	-40.00	16.75	Vertical