Contents

1. Effective (Isotropic) Radiated Power Output Data 2

2. Frequency Stability 11

3. 99% & 26dB Bandwidth 13

4. Peak-Average Ratio 51

5. Spurious Emission 73

6. Field Strength of Spurious Radiation 119

1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band42(3450-3550)	5MHz	QPSK	L	1RB0	23.97	27.47	30	PASS
Band42(3450-3550)	5MHz	QPSK	L	1RB12	23.88	27.38	30	PASS
Band42(3450-3550)	5MHz	QPSK	L	1RB24	23.87	27.37	30	PASS
Band42(3450-3550)	5MHz	QPSK	L	25RB0	23.04	26.54	30	PASS
Band42(3450-3550)	5MHz	QPSK	M	1RB0	23.88	27.38	30	PASS
Band42(3450-3550)	5MHz	QPSK	M	1RB12	23.79	27.29	30	PASS
Band42(3450-3550)	5MHz	QPSK	M	1RB24	23.92	27.42	30	PASS
Band42(3450-3550)	5MHz	QPSK	M	25RB0	23.03	26.53	30	PASS
Band42(3450-3550)	5MHz	QPSK	H	1RB0	23.99	27.49	30	PASS
Band42(3450-3550)	5MHz	QPSK	H	1RB12	23.89	27.39	30	PASS
Band42(3450-3550)	5MHz	QPSK	H	1RB24	23.85	27.35	30	PASS
Band42(3450-3550)	5MHz	QPSK	H	25RB0	23.12	26.62	30	PASS
Band42(3450-3550)	5MHz	16QAM	L	1RB0	23.07	26.57	30	PASS
Band42(3450-3550)	5MHz	16QAM	L	1RB12	23.19	26.69	30	PASS
Band42(3450-	5MHz	16QAM	L	1RB24	23.13	26.63	30	PASS

3550)								
Band42(3450-3550)	5MHz	16QAM	L	25RB0	21.93	25.43	30	PASS
Band42(3450-3550)	5MHz	16QAM	M	1RB0	23.19	26.69	30	PASS
Band42(3450-3550)	5MHz	16QAM	M	1RB12	23.13	26.63	30	PASS
Band42(3450-3550)	5MHz	16QAM	M	1RB24	23.11	26.61	30	PASS
Band42(3450-3550)	5MHz	16QAM	M	25RB0	21.88	25.38	30	PASS
Band42(3450-3550)	5MHz	16QAM	H	1RB0	23.29	26.79	30	PASS
Band42(3450-3550)	5MHz	16QAM	H	1RB12	23.17	26.67	30	PASS
Band42(3450-3550)	5MHz	16QAM	H	1RB24	23.19	26.69	30	PASS
Band42(3450-3550)	5MHz	16QAM	H	25RB0	22.04	25.54	30	PASS
Band42(3450-3550)	5MHz	64QAM	L	1RB0	23.04	26.54	30	PASS
Band42(3450-3550)	5MHz	64QAM	L	1RB12	23.12	26.62	30	PASS
Band42(3450-3550)	5MHz	64QAM	L	1RB24	22.92	26.42	30	PASS
Band42(3450-3550)	5MHz	64QAM	L	25RB0	21.96	25.46	30	PASS
Band42(3450-3550)	5MHz	64QAM	M	1RB0	22.94	26.44	30	PASS
Band42(3450-3550)	5MHz	64QAM	M	1RB12	23	26.5	30	PASS
Band42(3450-3550)	5MHz	64QAM	M	1RB24	23.06	26.56	30	PASS

Band42(3450-3550)	5MHz	64QAM	M	25RB0	21.96	25.46	30	PASS
Band42(3450-3550)	5MHz	64QAM	H	1RB0	23.06	26.56	30	PASS
Band42(3450-3550)	5MHz	64QAM	H	1RB12	23.04	26.54	30	PASS
Band42(3450-3550)	5MHz	64QAM	H	1RB24	23.1	26.6	30	PASS
Band42(3450-3550)	5MHz	64QAM	H	25RB0	22.03	25.53	30	PASS
Band42(3450-3550)	10MHz	QPSK	L	1RB0	23.82	27.32	30	PASS
Band42(3450-3550)	10MHz	QPSK	L	1RB24	23.87	27.37	30	PASS
Band42(3450-3550)	10MHz	QPSK	L	1RB49	24.05	27.55	30	PASS
Band42(3450-3550)	10MHz	QPSK	L	50RB0	23.13	26.63	30	PASS
Band42(3450-3550)	10MHz	QPSK	M	1RB0	23.78	27.28	30	PASS
Band42(3450-3550)	10MHz	QPSK	M	1RB24	23.93	27.43	30	PASS
Band42(3450-3550)	10MHz	QPSK	M	1RB49	23.88	27.38	30	PASS
Band42(3450-3550)	10MHz	QPSK	M	50RB0	22.89	26.39	30	PASS
Band42(3450-3550)	10MHz	QPSK	H	1RB0	23.9	27.4	30	PASS
Band42(3450-3550)	10MHz	QPSK	H	1RB24	23.99	27.49	30	PASS
Band42(3450-3550)	10MHz	QPSK	H	1RB49	23.85	27.35	30	PASS
Band42(3450-3550)	10MHz	QPSK	H	50RB0	23.13	26.63	30	PASS

Band42(3450-3550)	10MHz	16QAM	L	1RB0	23.12	26.62	30	PASS
Band42(3450-3550)	10MHz	16QAM	L	1RB24	23.21	26.71	30	PASS
Band42(3450-3550)	10MHz	16QAM	L	1RB49	23.26	26.76	30	PASS
Band42(3450-3550)	10MHz	16QAM	L	50RB0	22.21	25.71	30	PASS
Band42(3450-3550)	10MHz	16QAM	M	1RB0	23.03	26.53	30	PASS
Band42(3450-3550)	10MHz	16QAM	M	1RB24	23.05	26.55	30	PASS
Band42(3450-3550)	10MHz	16QAM	M	1RB49	23.11	26.61	30	PASS
Band42(3450-3550)	10MHz	16QAM	M	50RB0	21.96	25.46	30	PASS
Band42(3450-3550)	10MHz	16QAM	H	1RB0	23.28	26.78	30	PASS
Band42(3450-3550)	10MHz	16QAM	H	1RB24	23.23	26.73	30	PASS
Band42(3450-3550)	10MHz	16QAM	H	1RB49	23.07	26.57	30	PASS
Band42(3450-3550)	10MHz	16QAM	H	50RB0	21.99	25.49	30	PASS
Band42(3450-3550)	10MHz	64QAM	L	1RB0	21.95	25.45	30	PASS
Band42(3450-3550)	10MHz	64QAM	L	1RB24	21.87	25.37	30	PASS
Band42(3450-3550)	10MHz	64QAM	L	1RB49	21.96	25.46	30	PASS
Band42(3450-3550)	10MHz	64QAM	L	50RB0	21.08	24.58	30	PASS
Band42(3450-3550)	10MHz	64QAM	M	1RB0	21.92	25.42	30	PASS

Band42(3450-3550)	10MHz	64QAM	M	1RB24	21.9	25.4	30	PASS
Band42(3450-3550)	10MHz	64QAM	M	1RB49	21.93	25.43	30	PASS
Band42(3450-3550)	10MHz	64QAM	M	50RB0	21.09	24.59	30	PASS
Band42(3450-3550)	10MHz	64QAM	H	1RB0	21.97	25.47	30	PASS
Band42(3450-3550)	10MHz	64QAM	H	1RB24	21.85	25.35	30	PASS
Band42(3450-3550)	10MHz	64QAM	H	1RB49	22.01	25.51	30	PASS
Band42(3450-3550)	10MHz	64QAM	H	50RB0	21.04	24.54	30	PASS
Band42(3450-3550)	15MHz	QPSK	L	1RB0	23.82	27.32	30	PASS
Band42(3450-3550)	15MHz	QPSK	L	1RB38	23.98	27.48	30	PASS
Band42(3450-3550)	15MHz	QPSK	L	1RB74	23.93	27.43	30	PASS
Band42(3450-3550)	15MHz	QPSK	L	75RB0	23.06	26.56	30	PASS
Band42(3450-3550)	15MHz	QPSK	M	1RB0	23.73	27.23	30	PASS
Band42(3450-3550)	15MHz	QPSK	M	1RB38	23.87	27.37	30	PASS
Band42(3450-3550)	15MHz	QPSK	M	1RB74	23.85	27.35	30	PASS
Band42(3450-3550)	15MHz	QPSK	M	75RB0	22.89	26.39	30	PASS
Band42(3450-3550)	15MHz	QPSK	H	1RB0	23.8	27.3	30	PASS
Band42(3450-3550)	15MHz	QPSK	H	1RB38	23.94	27.44	30	PASS

Band42(3450-3550)	15MHz	QPSK	H	1RB74	23.86	27.36	30	PASS
Band42(3450-3550)	15MHz	QPSK	H	75RB0	22.96	26.46	30	PASS
Band42(3450-3550)	15MHz	16QAM	L	1RB0	23.01	26.51	30	PASS
Band42(3450-3550)	15MHz	16QAM	L	1RB38	23.16	26.66	30	PASS
Band42(3450-3550)	15MHz	16QAM	L	1RB74	23.33	26.83	30	PASS
Band42(3450-3550)	15MHz	16QAM	L	75RB0	22.16	25.66	30	PASS
Band42(3450-3550)	15MHz	16QAM	M	1RB0	23	26.5	30	PASS
Band42(3450-3550)	15MHz	16QAM	M	1RB38	23.17	26.67	30	PASS
Band42(3450-3550)	15MHz	16QAM	M	1RB74	23.17	26.67	30	PASS
Band42(3450-3550)	15MHz	16QAM	M	75RB0	22.05	25.55	30	PASS
Band42(3450-3550)	15MHz	16QAM	H	1RB0	23.13	26.63	30	PASS
Band42(3450-3550)	15MHz	16QAM	H	1RB38	23.25	26.75	30	PASS
Band42(3450-3550)	15MHz	16QAM	H	1RB74	23.26	26.76	30	PASS
Band42(3450-3550)	15MHz	16QAM	H	75RB0	21.99	25.49	30	PASS
Band42(3450-3550)	15MHz	64QAM	L	1RB0	21.87	25.37	30	PASS
Band42(3450-3550)	15MHz	64QAM	L	1RB38	21.91	25.41	30	PASS
Band42(3450-3550)	15MHz	64QAM	L	1RB74	22.17	25.67	30	PASS

Band42(3450-3550)	15MHz	64QAM	L	75RB0	21.12	24.62	30	PASS
Band42(3450-3550)	15MHz	64QAM	M	1RB0	21.76	25.26	30	PASS
Band42(3450-3550)	15MHz	64QAM	M	1RB38	21.9	25.4	30	PASS
Band42(3450-3550)	15MHz	64QAM	M	1RB74	21.87	25.37	30	PASS
Band42(3450-3550)	15MHz	64QAM	M	75RB0	20.95	24.45	30	PASS
Band42(3450-3550)	15MHz	64QAM	H	1RB0	21.93	25.43	30	PASS
Band42(3450-3550)	15MHz	64QAM	H	1RB38	21.94	25.44	30	PASS
Band42(3450-3550)	15MHz	64QAM	H	1RB74	21.99	25.49	30	PASS
Band42(3450-3550)	15MHz	64QAM	H	75RB0	20.98	24.48	30	PASS
Band42(3450-3550)	20MHz	QPSK	L	1RB0	23.81	27.31	30	PASS
Band42(3450-3550)	20MHz	QPSK	L	1RB49	23.94	27.44	30	PASS
Band42(3450-3550)	20MHz	QPSK	L	1RB99	23.91	27.41	30	PASS
Band42(3450-3550)	20MHz	QPSK	L	100RB0	23.18	26.68	30	PASS
Band42(3450-3550)	20MHz	QPSK	M	1RB0	23.81	27.31	30	PASS
Band42(3450-3550)	20MHz	QPSK	M	1RB49	23.85	27.35	30	PASS
Band42(3450-3550)	20MHz	QPSK	M	1RB99	23.94	27.44	30	PASS
Band42(3450-3550)	20MHz	QPSK	M	100RB0	22.91	26.41	30	PASS

Band42(3450-3550)	20MHz	QPSK	H	1RB0	23.86	27.36	30	PASS
Band42(3450-3550)	20MHz	QPSK	H	1RB49	23.93	27.43	30	PASS
Band42(3450-3550)	20MHz	QPSK	H	1RB99	23.81	27.31	30	PASS
Band42(3450-3550)	20MHz	QPSK	H	100RB0	22.99	26.49	30	PASS
Band42(3450-3550)	20MHz	16QAM	L	1RB0	22.94	26.44	30	PASS
Band42(3450-3550)	20MHz	16QAM	L	1RB49	23.28	26.78	30	PASS
Band42(3450-3550)	20MHz	16QAM	L	1RB99	23.24	26.74	30	PASS
Band42(3450-3550)	20MHz	16QAM	L	100RB0	22.1	25.6	30	PASS
Band42(3450-3550)	20MHz	16QAM	M	1RB0	22.98	26.48	30	PASS
Band42(3450-3550)	20MHz	16QAM	M	1RB49	23.05	26.55	30	PASS
Band42(3450-3550)	20MHz	16QAM	M	1RB99	23.05	26.55	30	PASS
Band42(3450-3550)	20MHz	16QAM	M	100RB0	22.06	25.56	30	PASS
Band42(3450-3550)	20MHz	16QAM	H	1RB0	23	26.5	30	PASS
Band42(3450-3550)	20MHz	16QAM	H	1RB49	23.16	26.66	30	PASS
Band42(3450-3550)	20MHz	16QAM	H	1RB99	23.2	26.7	30	PASS
Band42(3450-3550)	20MHz	16QAM	H	100RB0	22.17	25.67	30	PASS
Band42(3450-3550)	20MHz	64QAM	L	1RB0	21.73	25.23	30	PASS

Band42(3450-3550)	20MHz	64QAM	L	1RB49	22.03	25.53	30	PASS
Band42(3450-3550)	20MHz	64QAM	L	1RB99	22	25.5	30	PASS
Band42(3450-3550)	20MHz	64QAM	L	100RB0	21.09	24.59	30	PASS
Band42(3450-3550)	20MHz	64QAM	M	1RB0	21.8	25.3	30	PASS
Band42(3450-3550)	20MHz	64QAM	M	1RB49	21.8	25.3	30	PASS
Band42(3450-3550)	20MHz	64QAM	M	1RB99	21.85	25.35	30	PASS
Band42(3450-3550)	20MHz	64QAM	M	100RB0	21.05	24.55	30	PASS
Band42(3450-3550)	20MHz	64QAM	H	1RB0	21.93	25.43	30	PASS
Band42(3450-3550)	20MHz	64QAM	H	1RB49	22.02	25.52	30	PASS
Band42(3450-3550)	20MHz	64QAM	H	1RB99	22.03	25.53	30	PASS
Band42(3450-3550)	20MHz	64QAM	H	100RB0	21.1	24.6	30	PASS

2. Frequency Stability

2.4 B42a_20MHz

2.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	3.27	-1.822	-0.0005	-2.5 to 2.5	Pass
					3.85	3.838	0.0011	-2.5 to 2.5	Pass
					4.43	0.544	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.404	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0011	-2.5 to 2.5	Pass
				-10	3.85	4.195	0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.456	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.059	0.0000	-2.5 to 2.5	Pass
				30	3.85	3.447	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.222	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.669	-0.0005	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-1.151	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.035	-0.0006	-2.5 to 2.5	Pass
					4.43	0.266	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.172	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.143	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.326	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.012	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.022	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.088	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.481	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-2.345	-0.0007	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	2.077	0.0006	-2.5 to 2.5	Pass
					3.85	-0.893	-0.0003	-2.5 to 2.5	Pass
					4.43	2.820	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.969	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.310	0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.507	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.986	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.264	-0.0001	-2.5 to 2.5	Pass
				30	3.85	3.429	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.785	0.0008	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	3.27	4.058	0.0012	-2.5 to 2.5	Pass
					3.85	4.144	0.0012	-2.5 to 2.5	Pass
					4.43	0.945	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.036	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.838	0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.599	0.0013	-2.5 to 2.5	Pass
				0	3.85	3.323	0.0010	-2.5 to 2.5	Pass
				10	3.85	4.348	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.121	0.0000	-2.5 to 2.5	Pass
				40	3.85	4.215	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.637	0.0008	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	0.465	0.0001	-2.5 to 2.5	Pass
					3.85	-2.248	-0.0006	-2.5 to 2.5	Pass
					4.43	1.567	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.168	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.446	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.571	-0.0007	-2.5 to 2.5	Pass

				0	3.85	0.461	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.461	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.216	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.967	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.529	0.0002	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	1.680	0.0005	-2.5 to 2.5	Pass
					3.85	2.540	0.0007	-2.5 to 2.5	Pass
					4.43	0.096	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.047	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.508	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.408	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.255	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.874	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.766	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.751	0.0005	-2.5 to 2.5	Pass
64QAM	3460	100	0	20	3.27	0.712	0.0002	-2.5 to 2.5	Pass
					3.85	4.976	0.0014	-2.5 to 2.5	Pass
					4.43	3.142	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.689	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.197	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.056	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.834	0.0008	-2.5 to 2.5	Pass
				10	3.85	4.082	0.0012	-2.5 to 2.5	Pass
				30	3.85	4.691	0.0014	-2.5 to 2.5	Pass
				40	3.85	0.987	0.0003	-2.5 to 2.5	Pass
				50	3.85	3.568	0.0010	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-1.237	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.657	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.743	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.916	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.424	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.451	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.616	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.561	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.682	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.674	0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.399	-0.0004	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	0.973	0.0003	-2.5 to 2.5	Pass
					3.85	3.260	0.0009	-2.5 to 2.5	Pass
					4.43	2.452	0.0007	-2.5 to 2.5	Pass
				-30	3.85	4.182	0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.592	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.884	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.331	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.454	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.123	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.949	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.251	0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band42a_OBW

3.1.1 Test Result

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.565	/	Pass
		3500	25	0	4.564	/	Pass
		3547.5	25	0	4.571	/	Pass
	16QAM	3452.5	25	0	4.580	/	Pass
		3500	25	0	4.574	/	Pass
		3547.5	25	0	4.568	/	Pass
	64QAM	3452.5	25	0	4.553	/	Pass
		3500	25	0	4.553	/	Pass
		3547.5	25	0	4.548	/	Pass
10	QPSK	3455	50	0	9.106	/	Pass
		3500	50	0	9.107	/	Pass
		3545	50	0	9.066	/	Pass
	16QAM	3455	50	0	9.164	/	Pass
		3500	50	0	9.076	/	Pass
		3545	50	0	9.083	/	Pass
	64QAM	3455	50	0	9.083	/	Pass
		3500	50	0	9.080	/	Pass
		3545	50	0	9.069	/	Pass
15	QPSK	3457.5	75	0	13.633	/	Pass
		3500	75	0	13.632	/	Pass
		3542.5	75	0	13.605	/	Pass
	16QAM	3457.5	75	0	13.629	/	Pass
		3500	75	0	13.593	/	Pass
		3542.5	75	0	13.670	/	Pass
	64QAM	3457.5	75	0	13.637	/	Pass
		3500	75	0	13.607	/	Pass
		3542.5	75	0	13.628	/	Pass
20	QPSK	3460	100	0	18.153	/	Pass
		3500	100	0	18.136	/	Pass
		3540	100	0	18.123	/	Pass
	16QAM	3460	100	0	18.121	/	Pass
		3500	100	0	18.160	/	Pass
		3540	100	0	18.123	/	Pass
	64QAM	3460	100	0	18.117	/	Pass
		3500	100	0	18.070	/	Pass
		3540	100	0	18.139	/	Pass

3.2 Band42a_XDB

3.2.1 Test Result

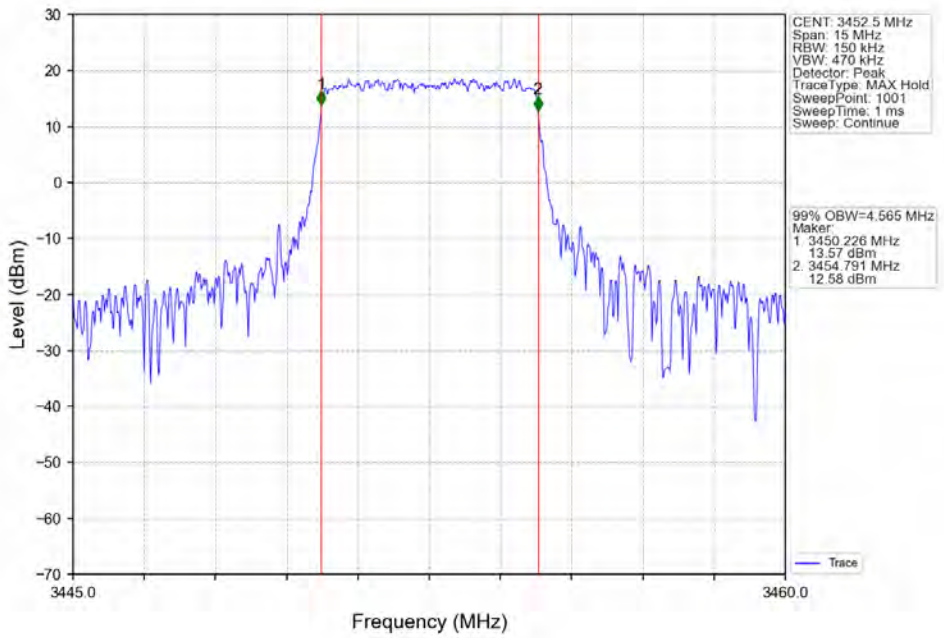
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.458	/	Pass
		3500	25	0	5.301	/	Pass
		3547.5	25	0	5.516	/	Pass

	16QAM	3452.5	25	0	5.292	/	Pass
		3500	25	0	5.674	/	Pass
		3547.5	25	0	5.274	/	Pass
	64QAM	3452.5	25	0	5.280	/	Pass
		3500	25	0	5.166	/	Pass
		3547.5	25	0	5.207	/	Pass
10	QPSK	3455	50	0	10.923	/	Pass
		3500	50	0	10.175	/	Pass
		3545	50	0	10.178	/	Pass
	16QAM	3455	50	0	10.200	/	Pass
		3500	50	0	10.159	/	Pass
		3545	50	0	10.574	/	Pass
	64QAM	3455	50	0	10.400	/	Pass
		3500	50	0	10.114	/	Pass
		3545	50	0	10.203	/	Pass
15	QPSK	3457.5	75	0	15.815	/	Pass
		3500	75	0	15.342	/	Pass
		3542.5	75	0	15.242	/	Pass
	16QAM	3457.5	75	0	15.501	/	Pass
		3500	75	0	15.252	/	Pass
		3542.5	75	0	15.630	/	Pass
	64QAM	3457.5	75	0	15.620	/	Pass
		3500	75	0	15.078	/	Pass
		3542.5	75	0	15.384	/	Pass
20	QPSK	3460	100	0	20.445	/	Pass
		3500	100	0	20.928	/	Pass
		3540	100	0	20.530	/	Pass
	16QAM	3460	100	0	20.562	/	Pass
		3500	100	0	20.256	/	Pass
		3540	100	0	20.728	/	Pass
	64QAM	3460	100	0	21.356	/	Pass
		3500	100	0	20.030	/	Pass
		3540	100	0	19.894	/	Pass

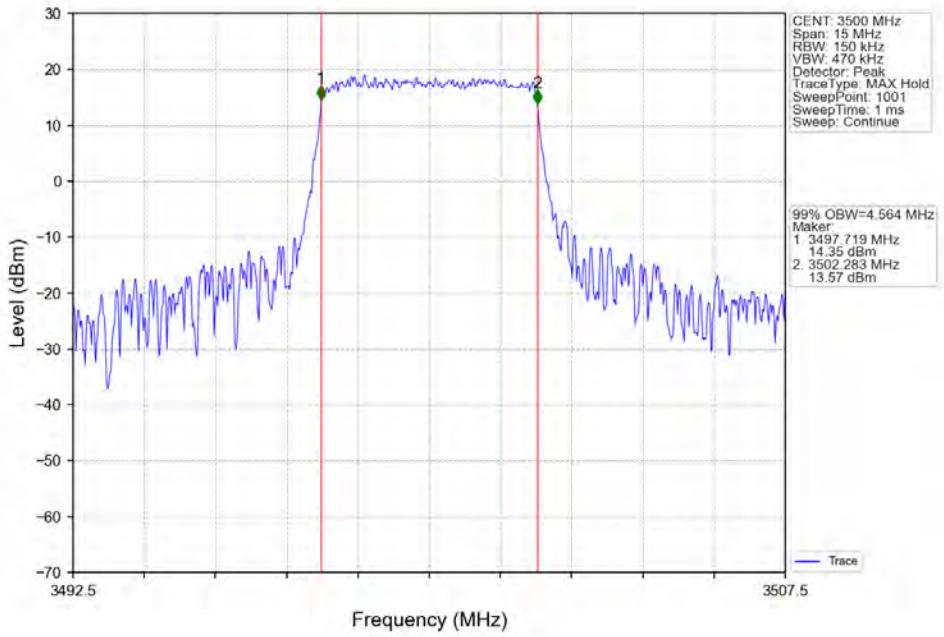
3.1 Band42a_OBW

3.1.2 Test Graph

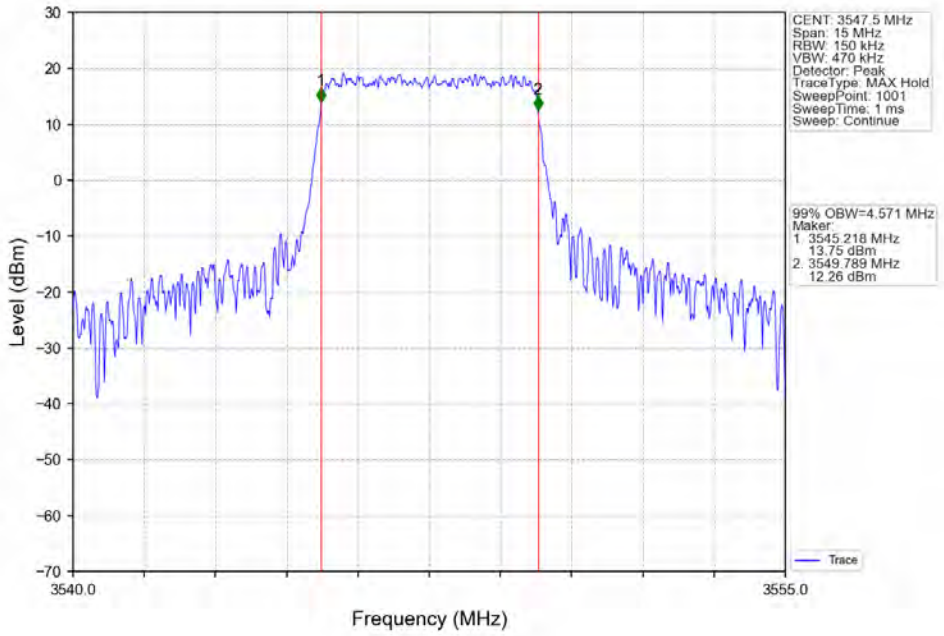
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



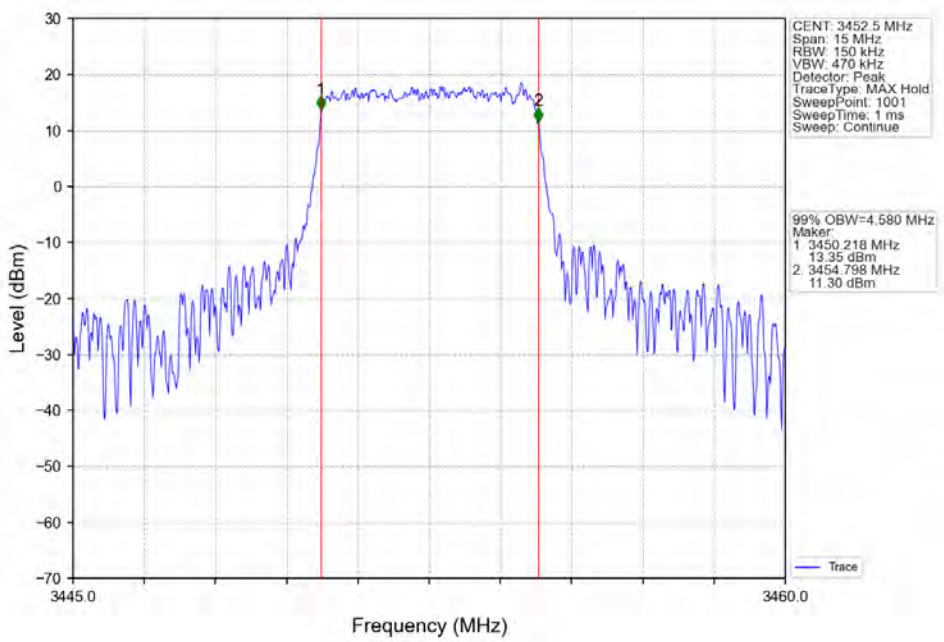
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



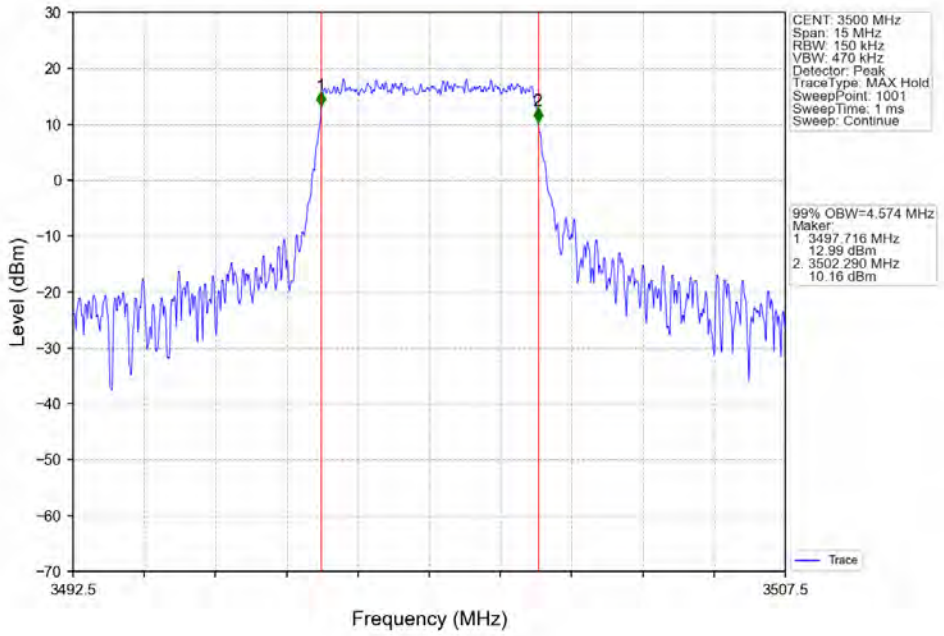
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



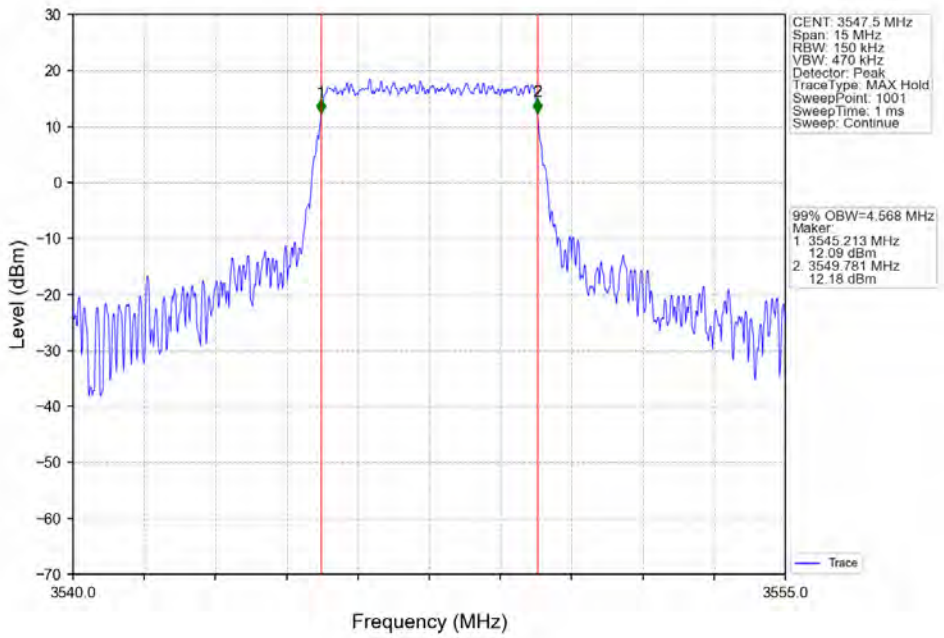
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



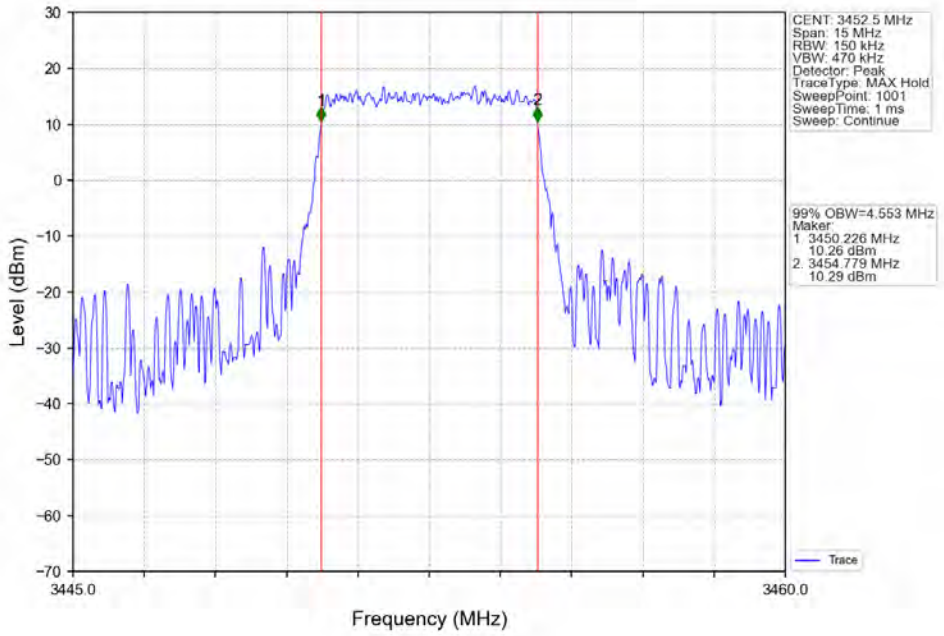
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



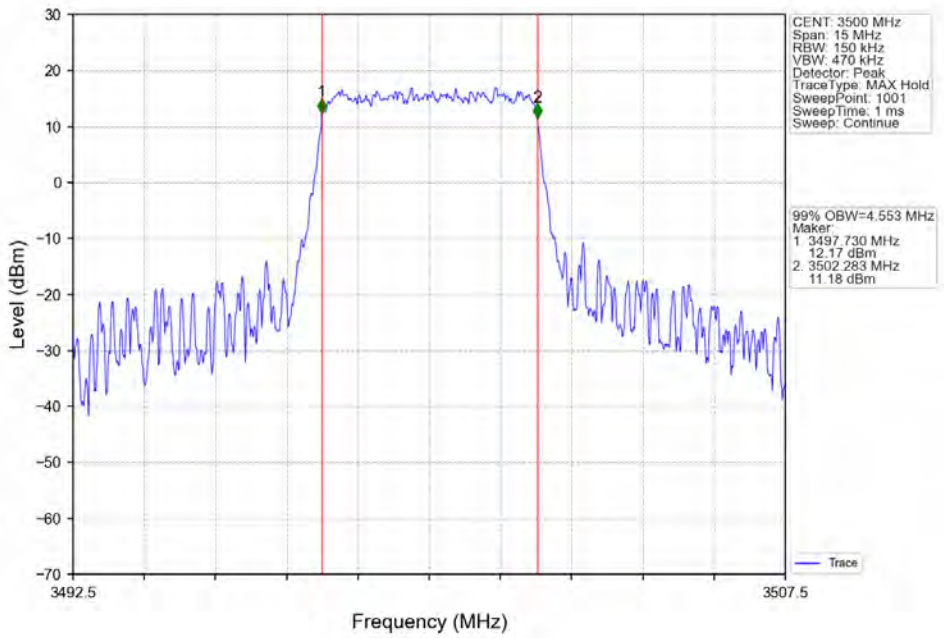
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



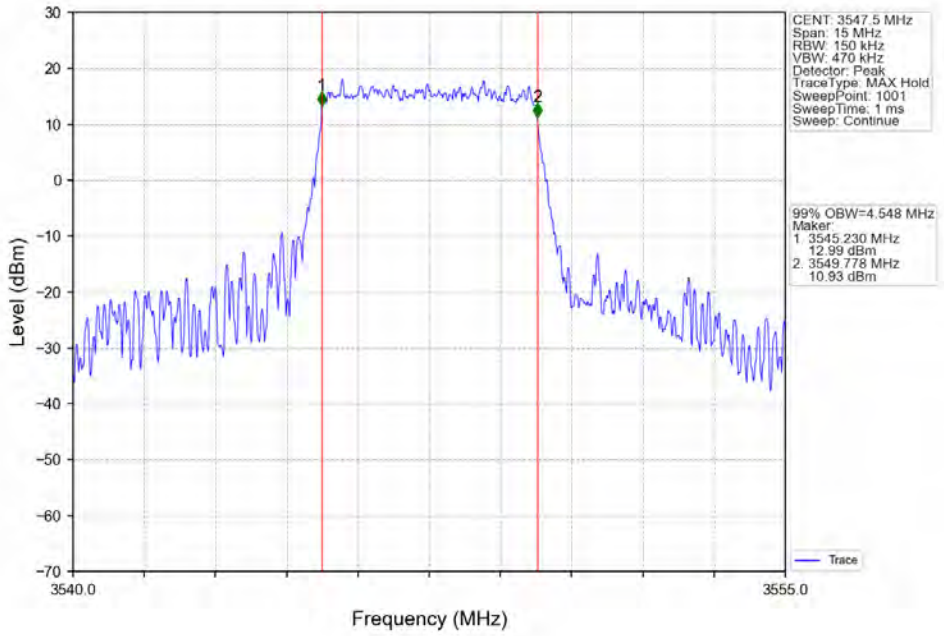
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



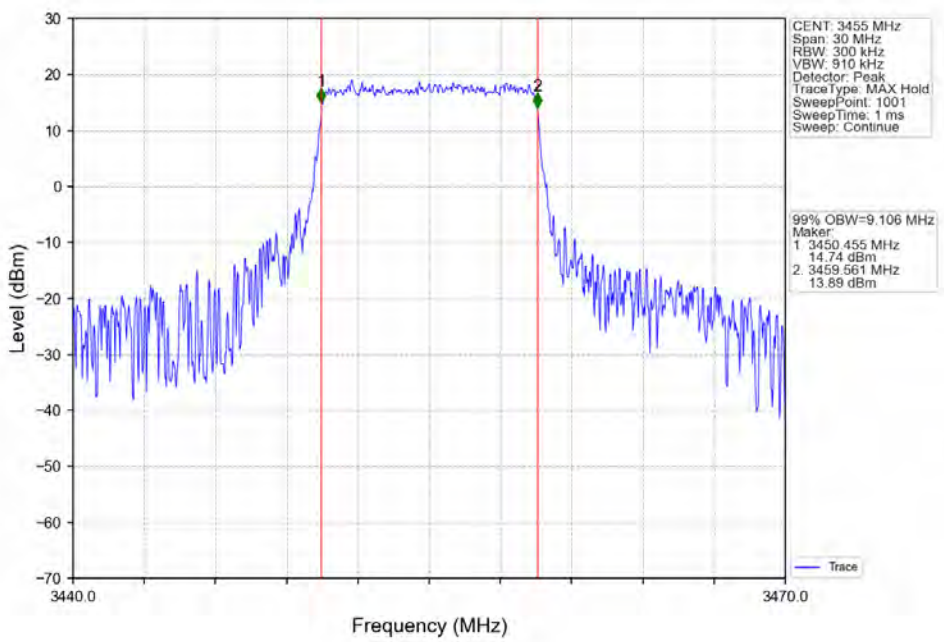
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



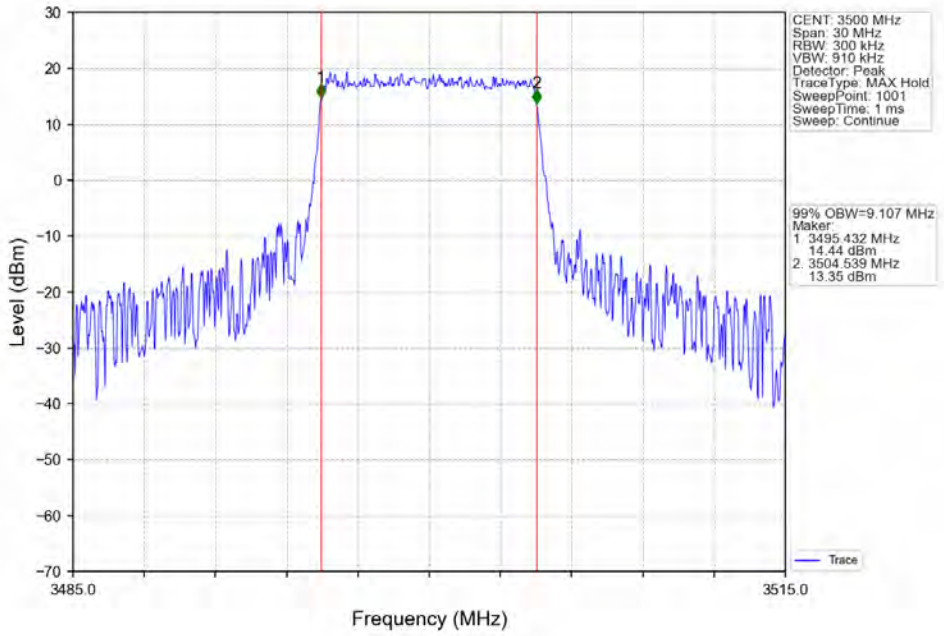
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



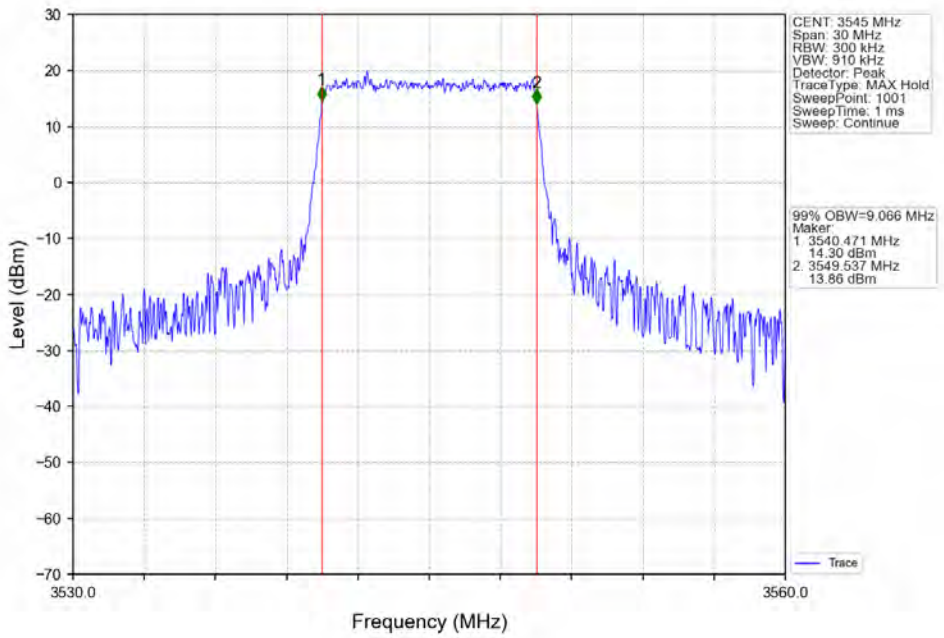
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



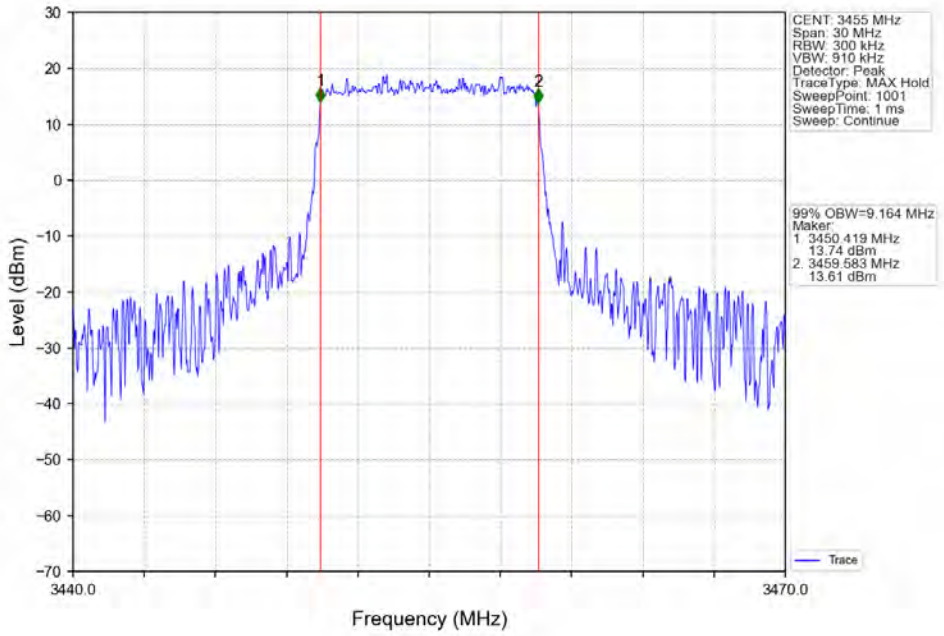
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



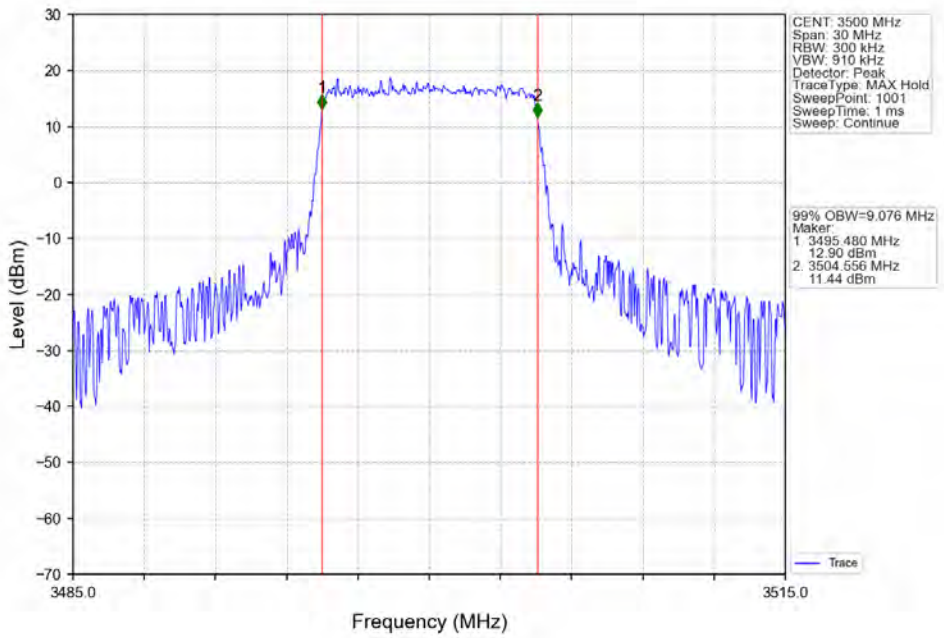
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



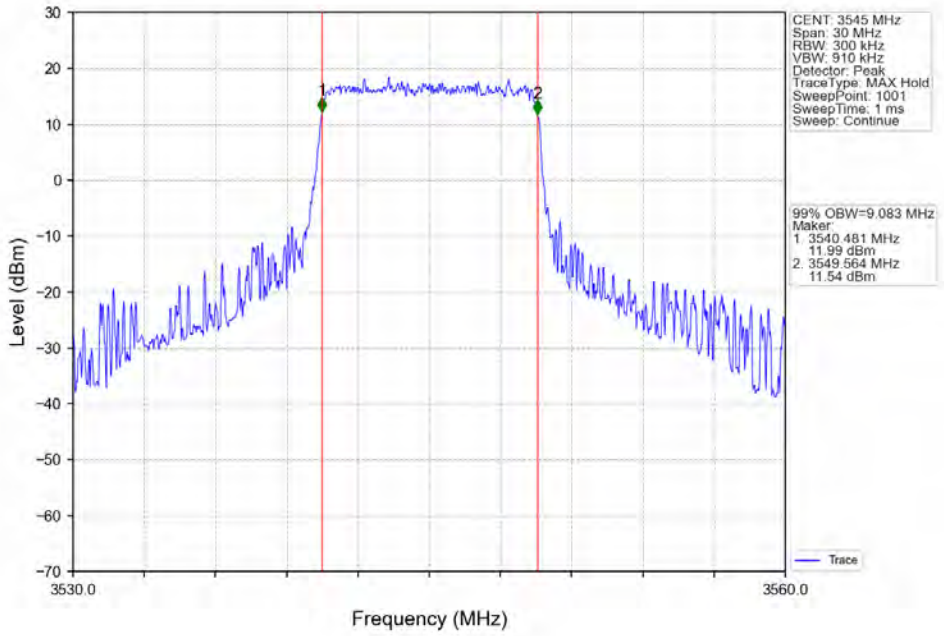
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



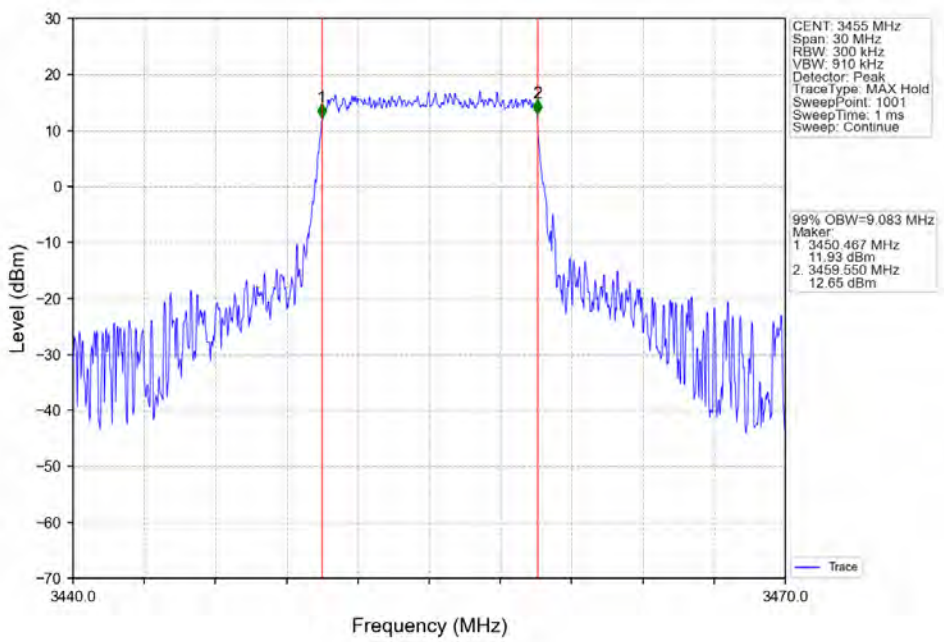
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



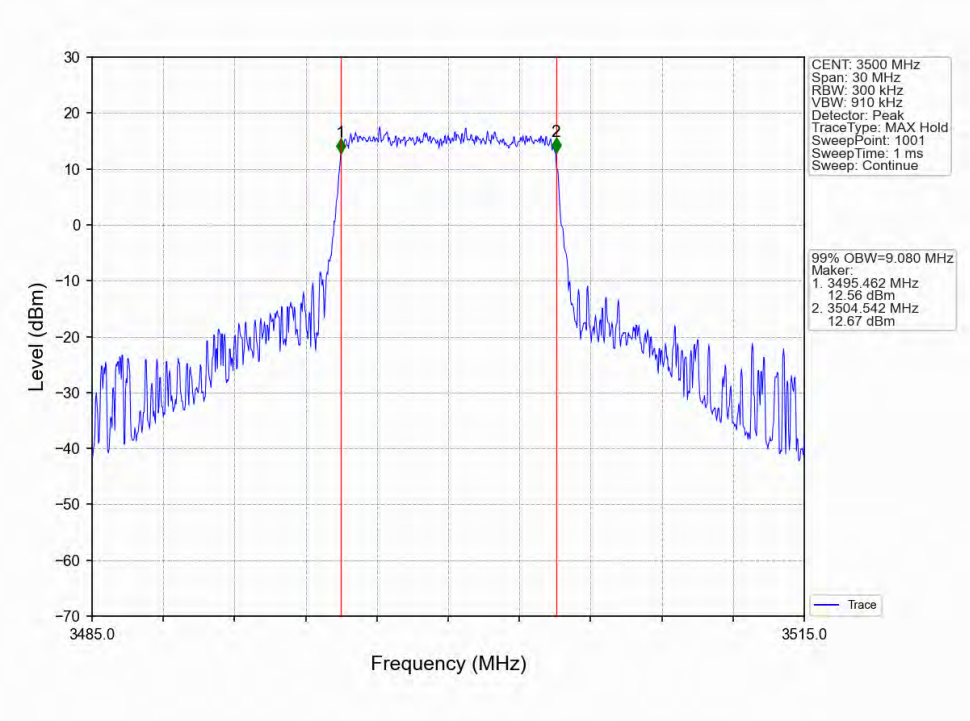
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



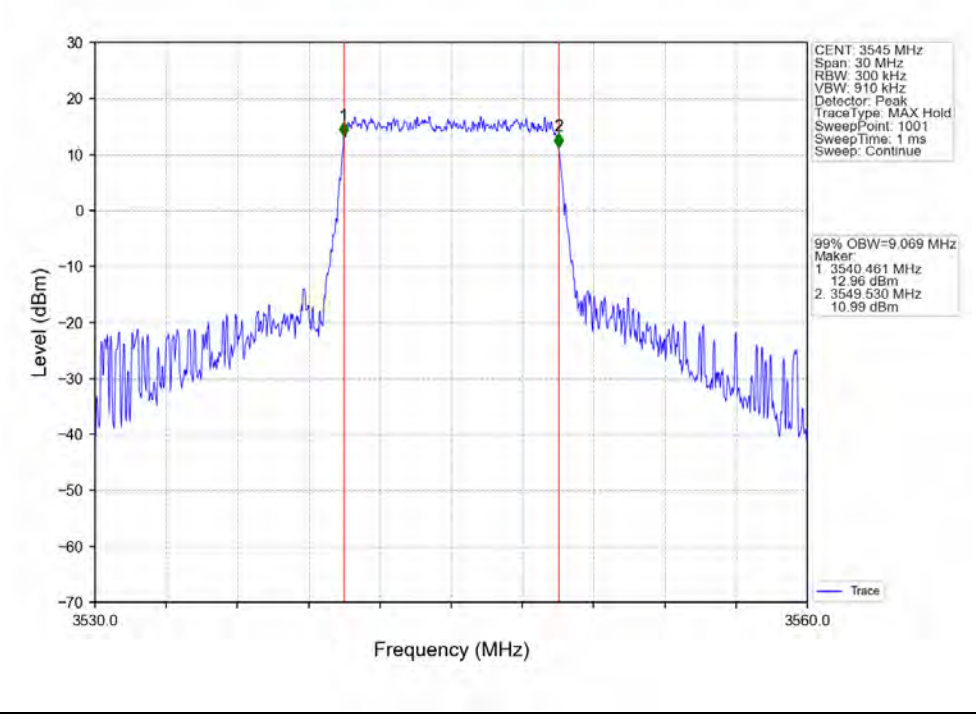
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



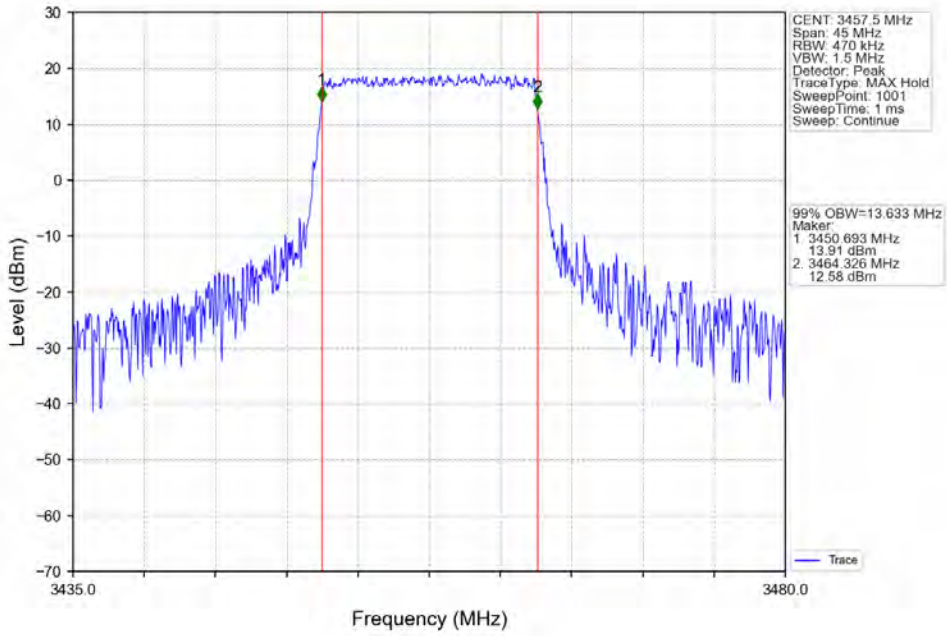
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



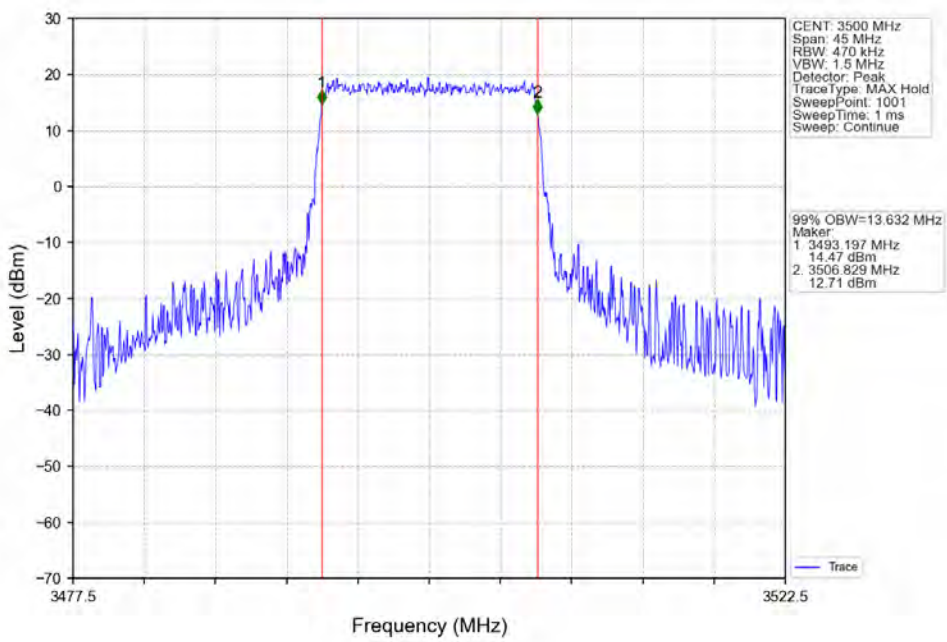
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



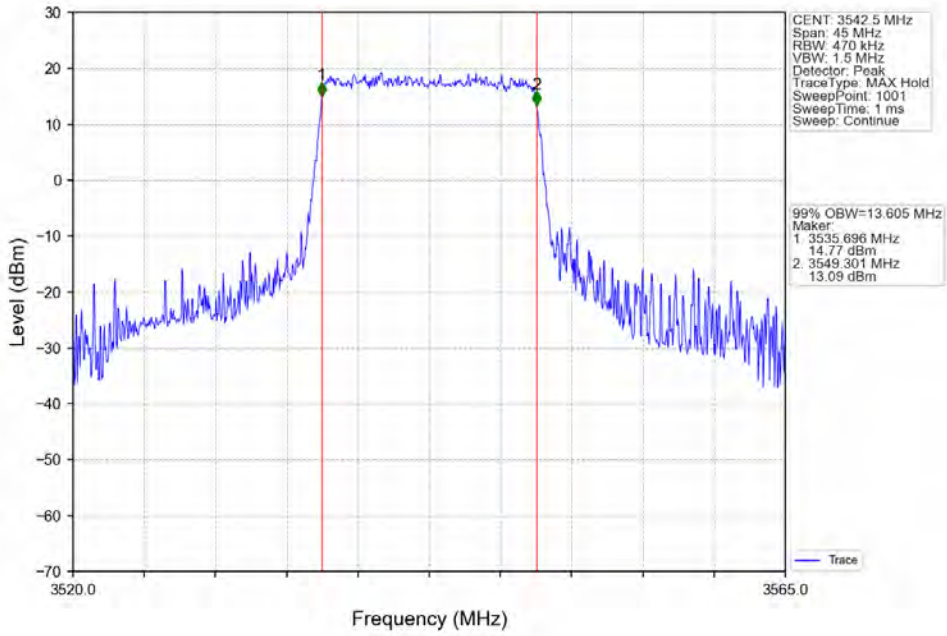
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



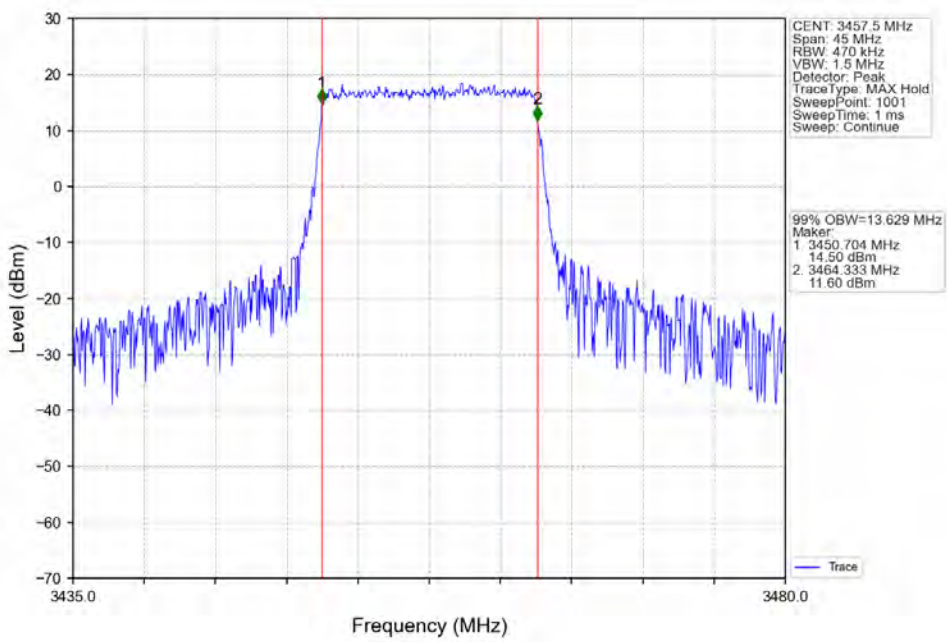
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



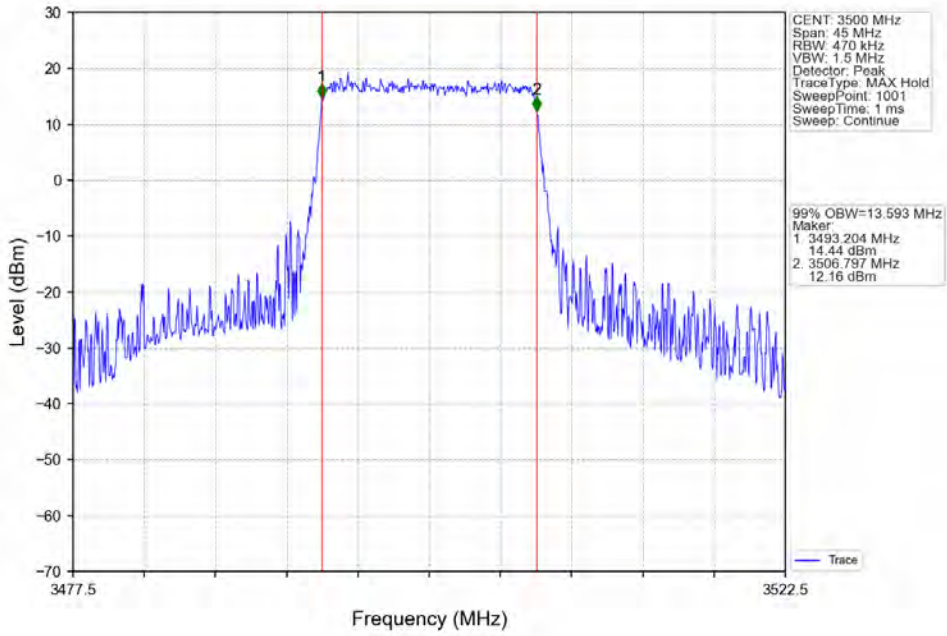
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



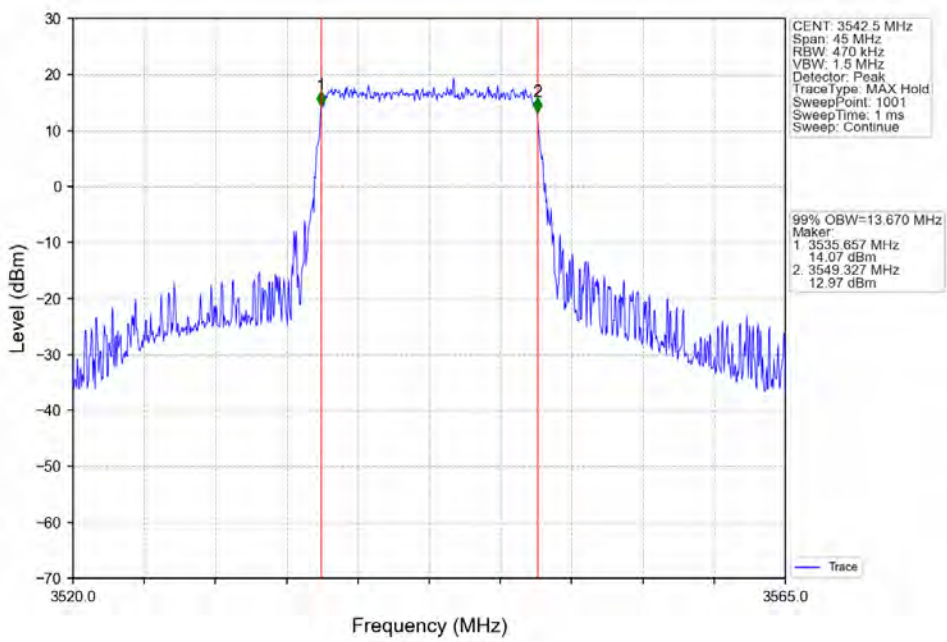
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



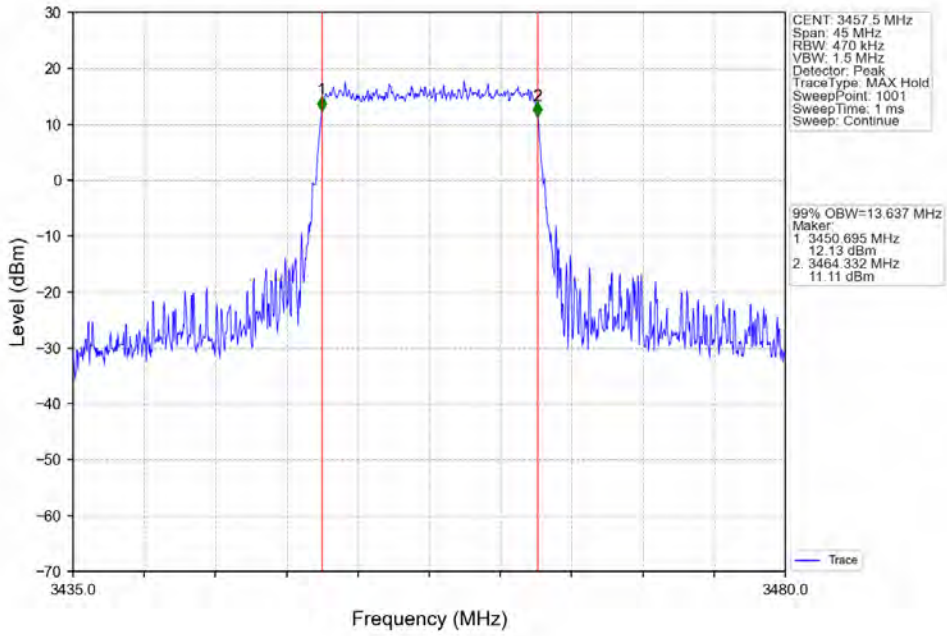
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



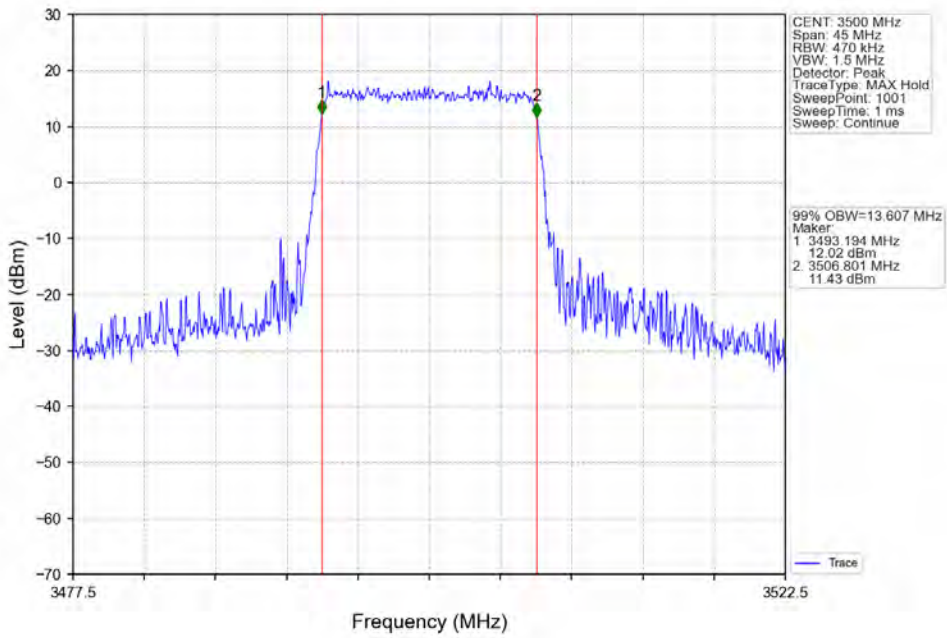
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



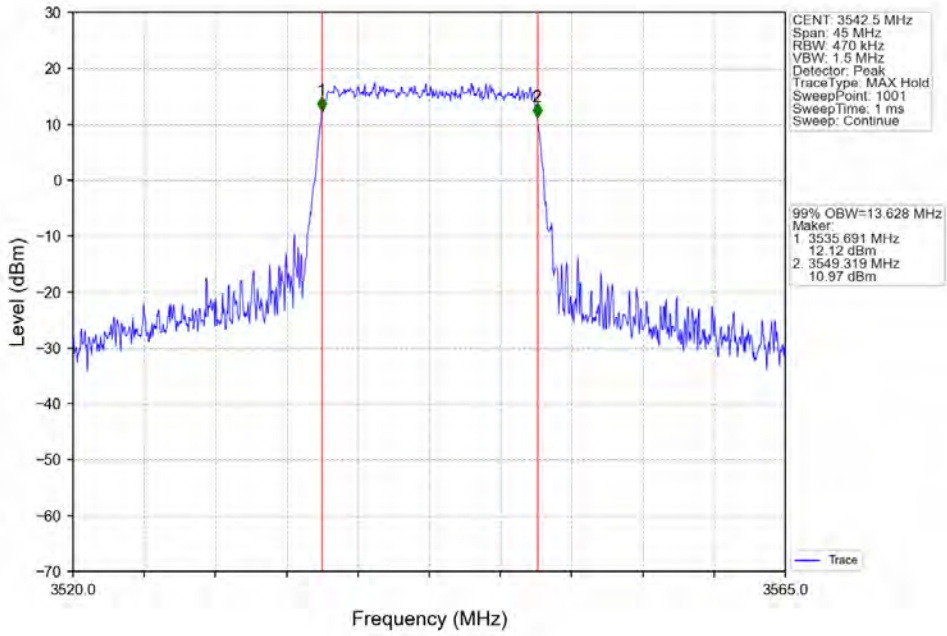
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



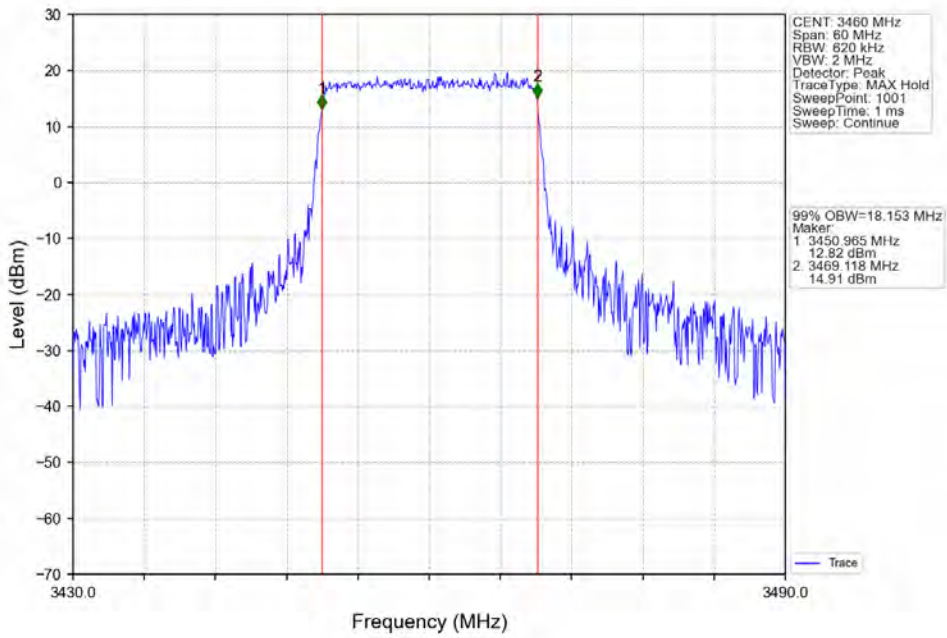
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



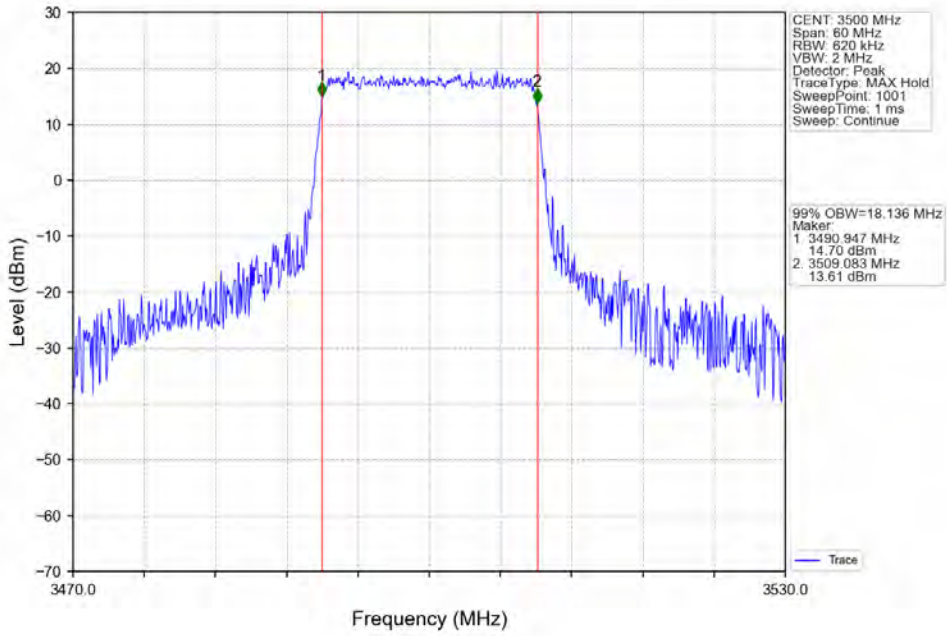
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



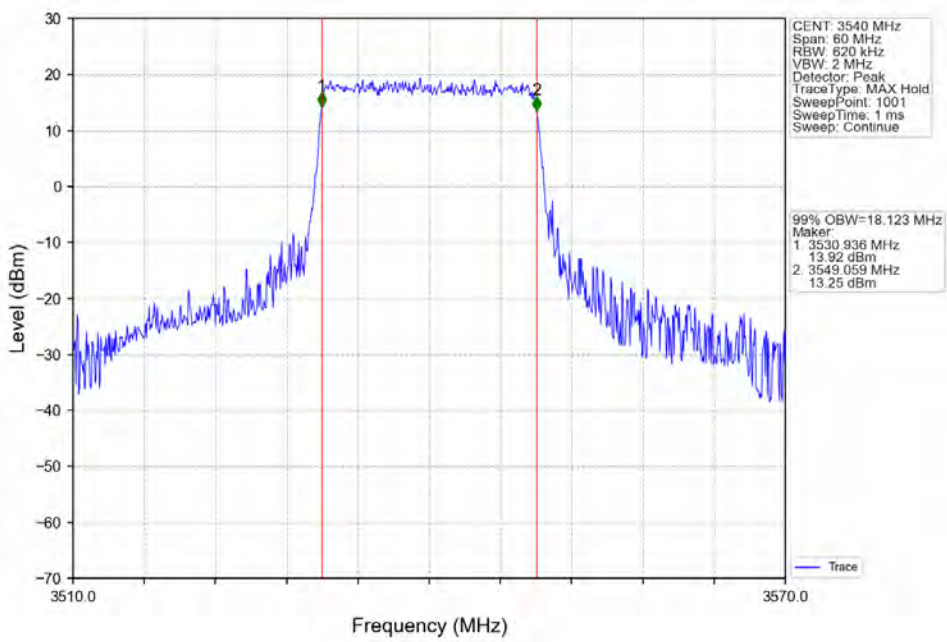
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



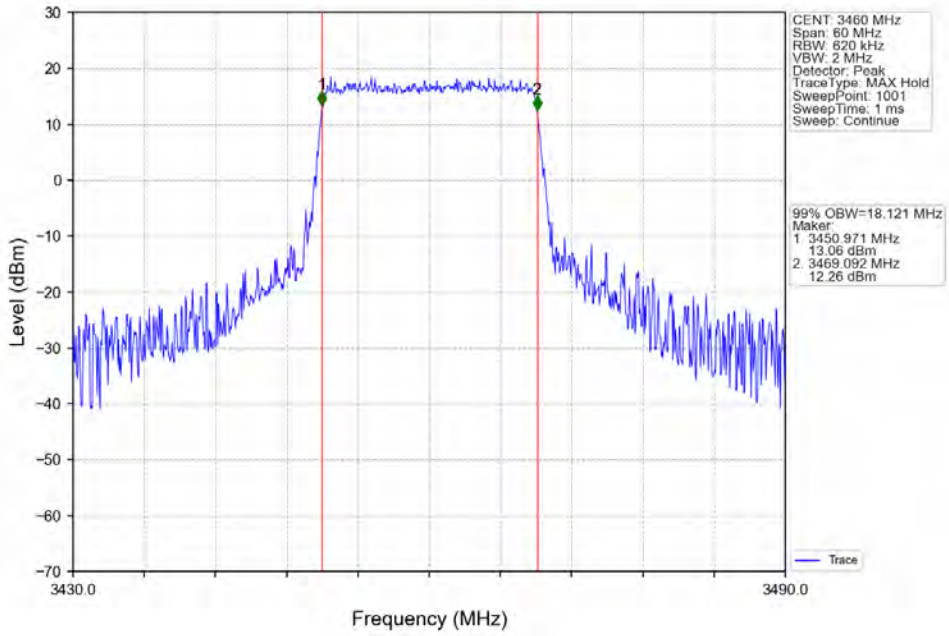
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



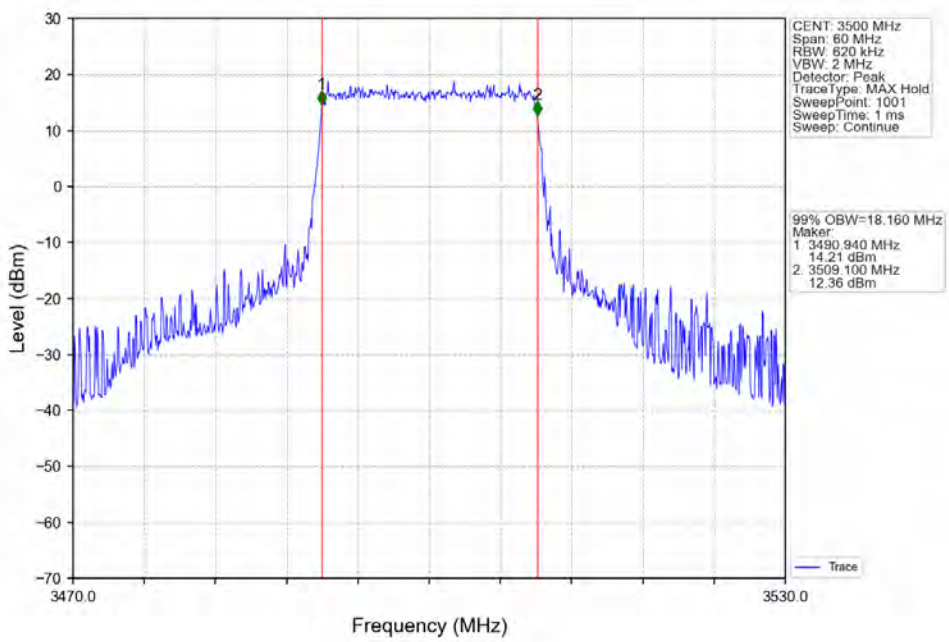
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



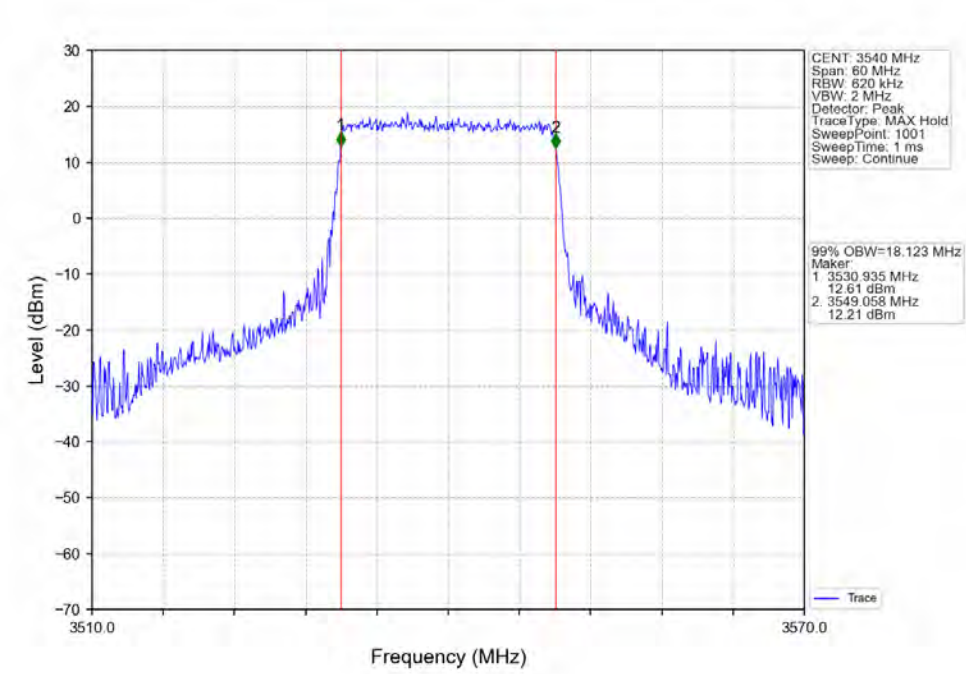
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



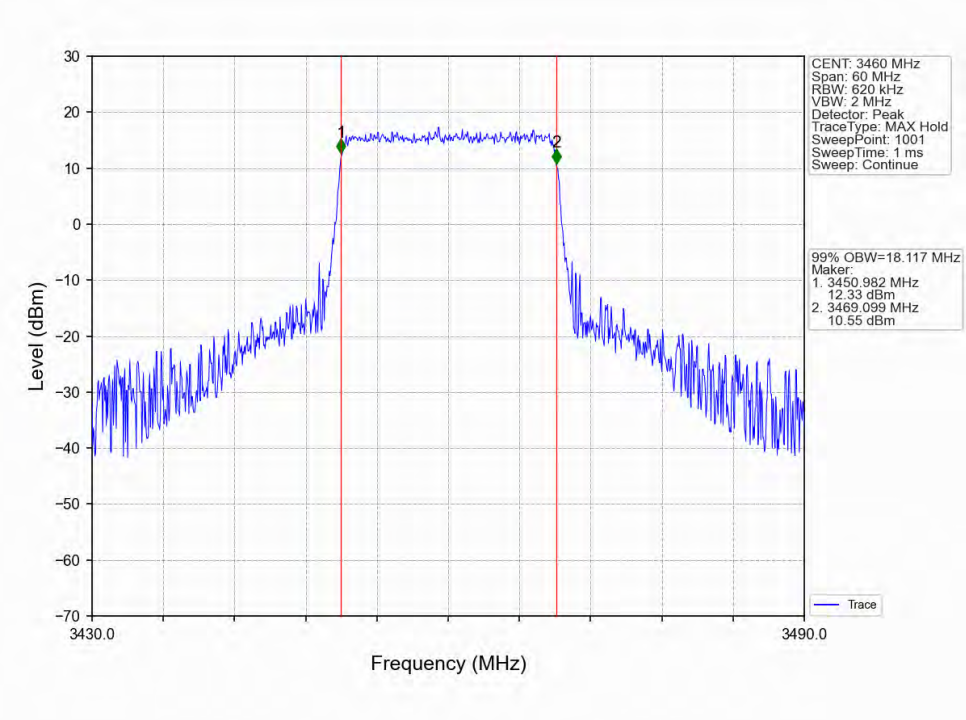
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



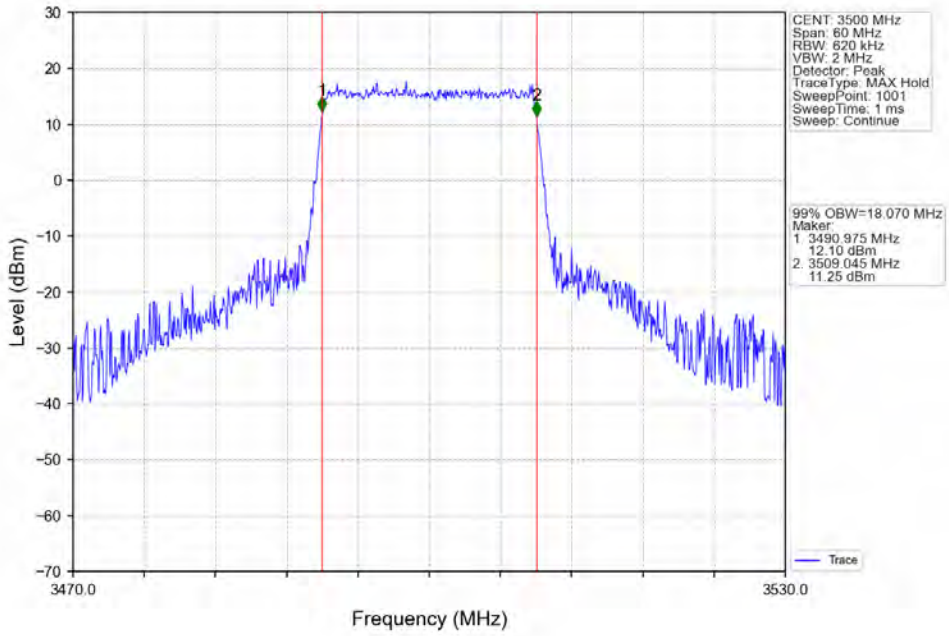
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



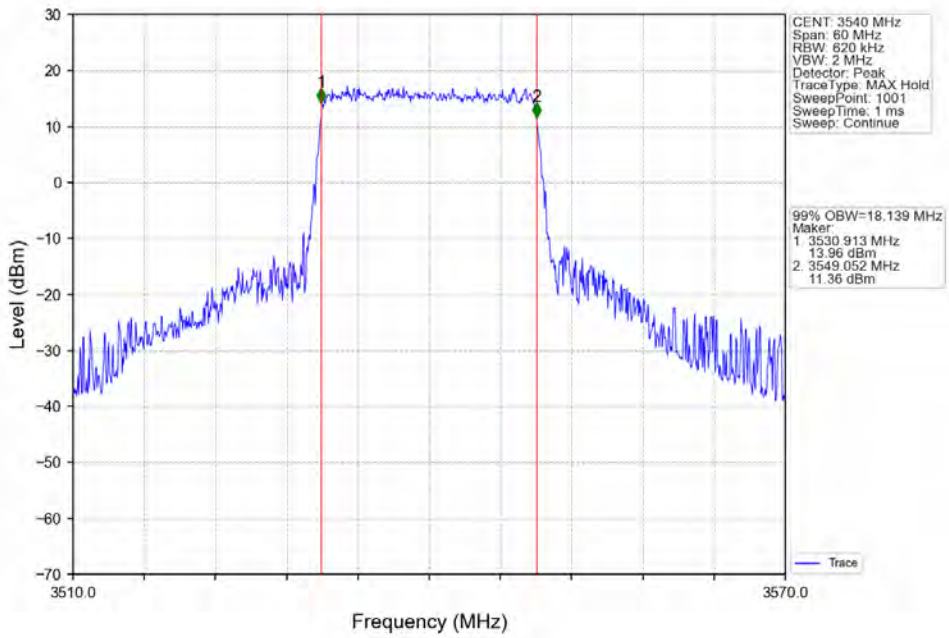
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



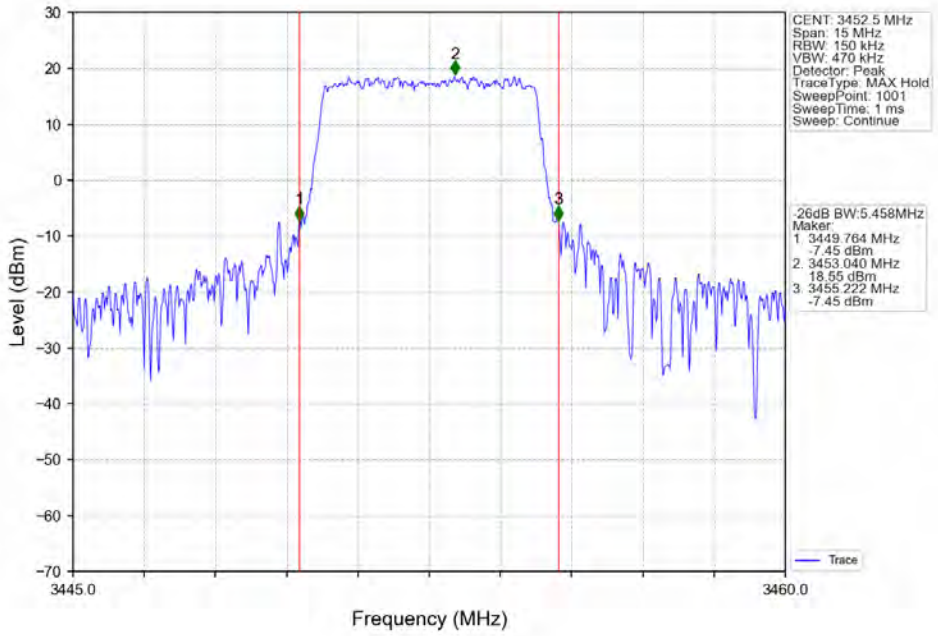
Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



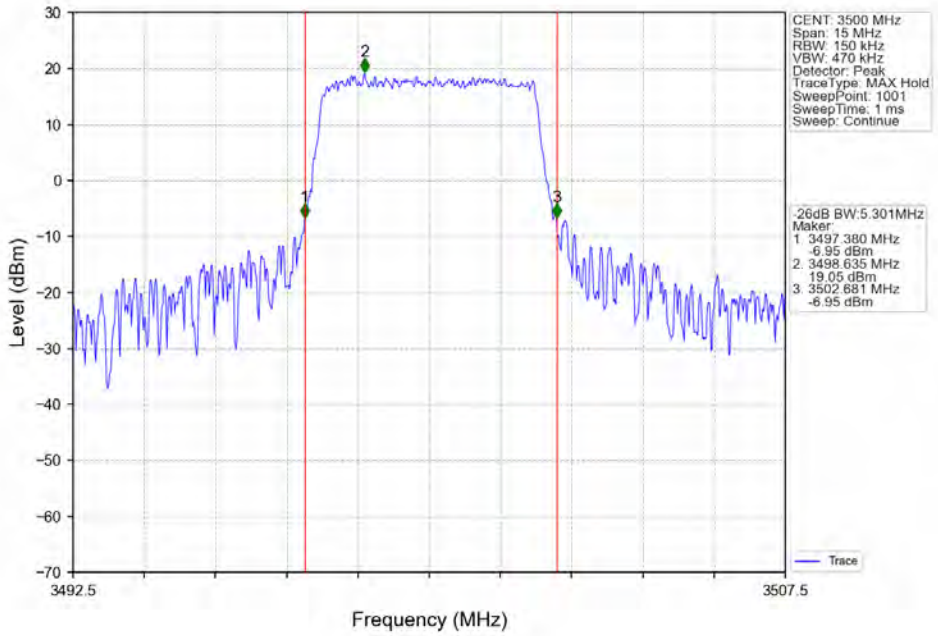
3.2 Band42a_XDB

3.2.2 Test Graph

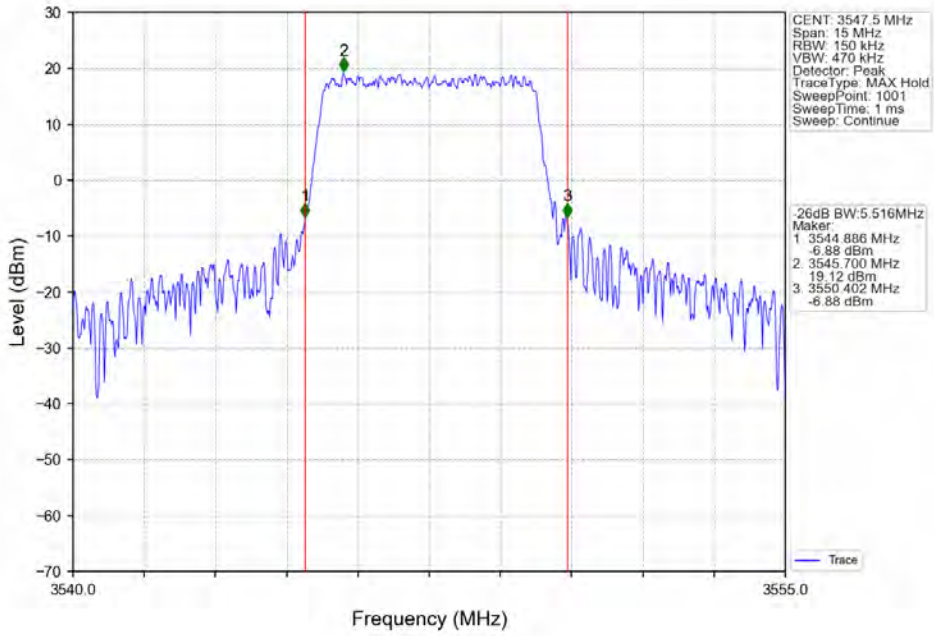
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



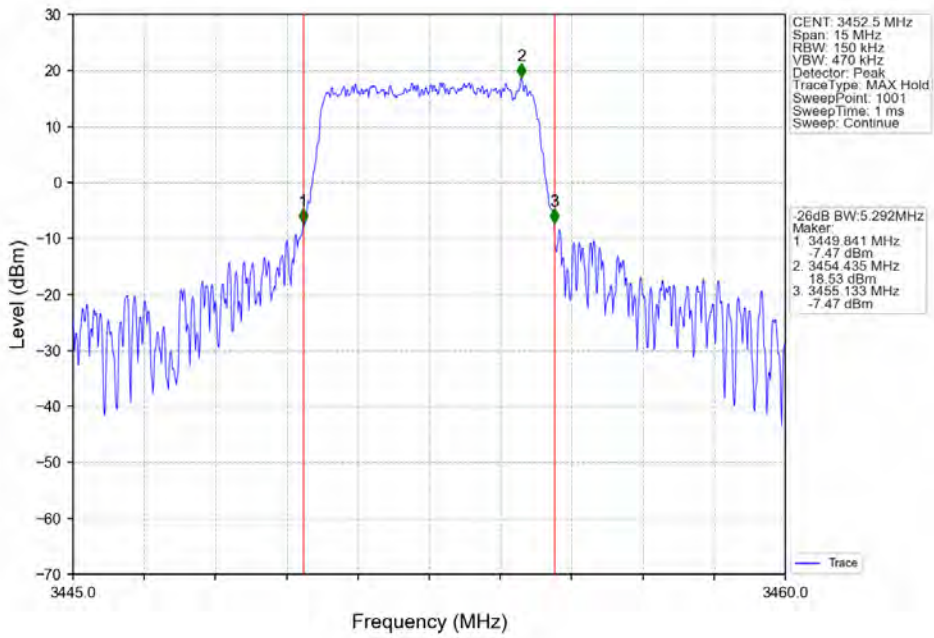
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



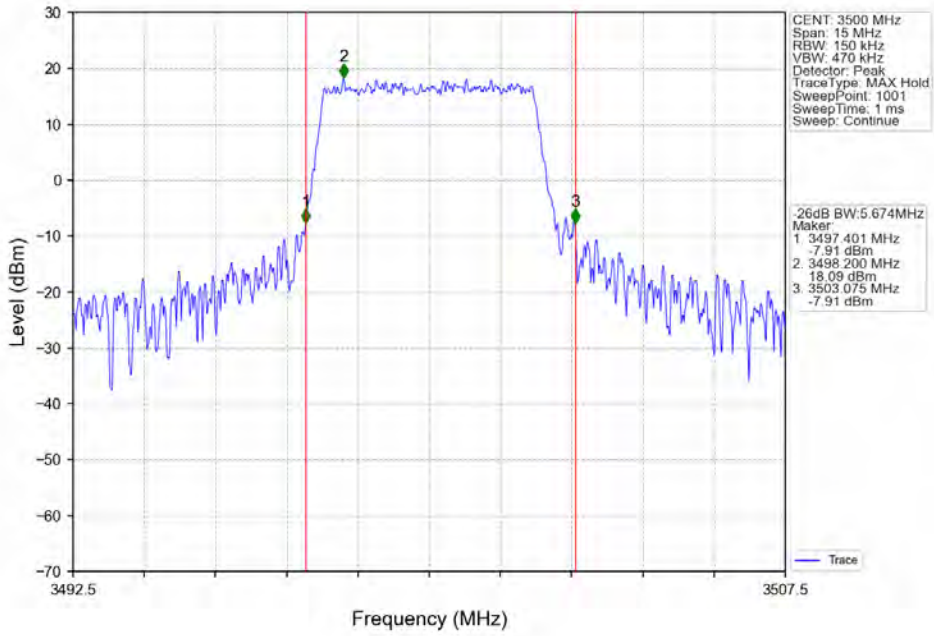
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



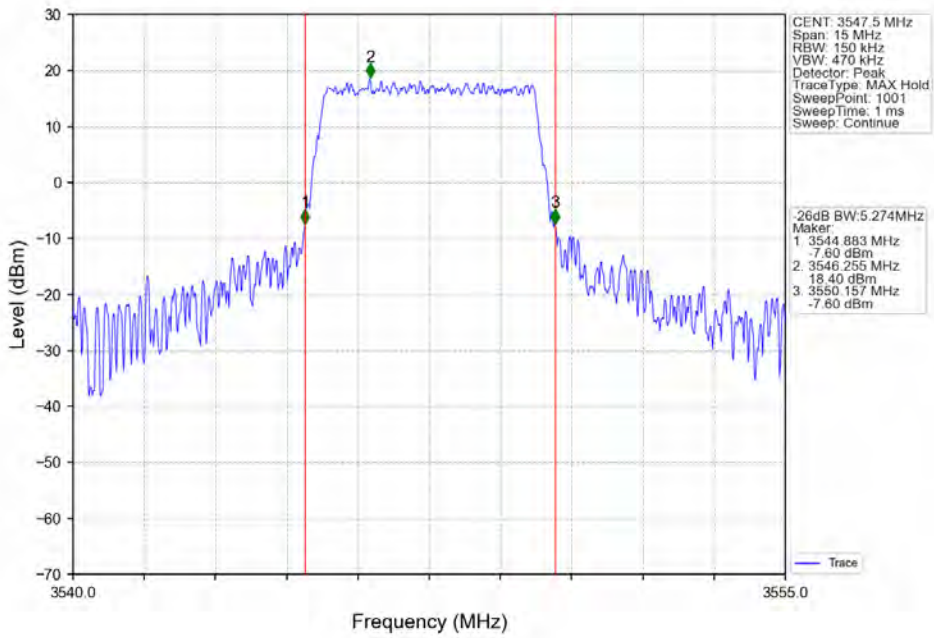
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



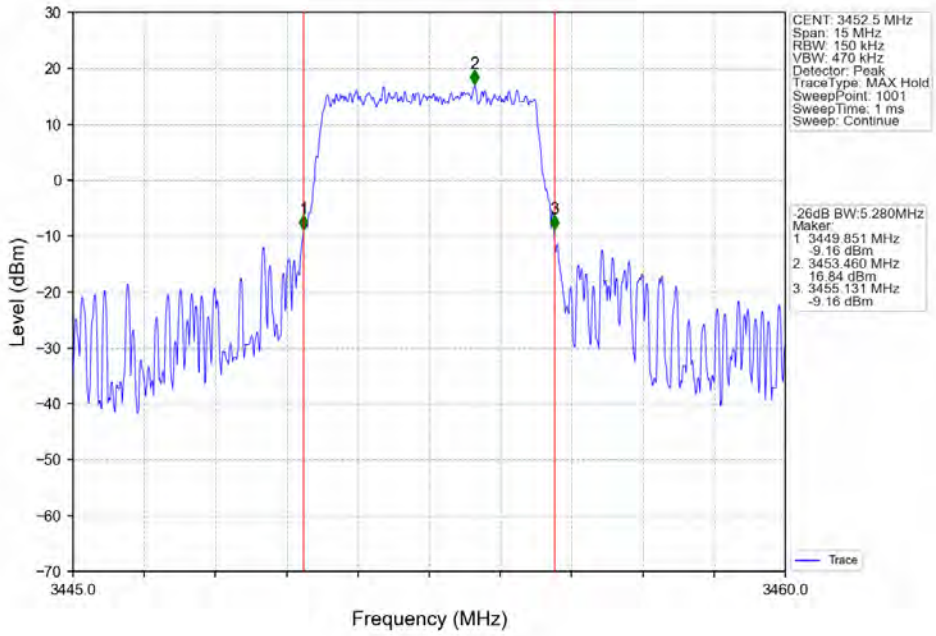
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



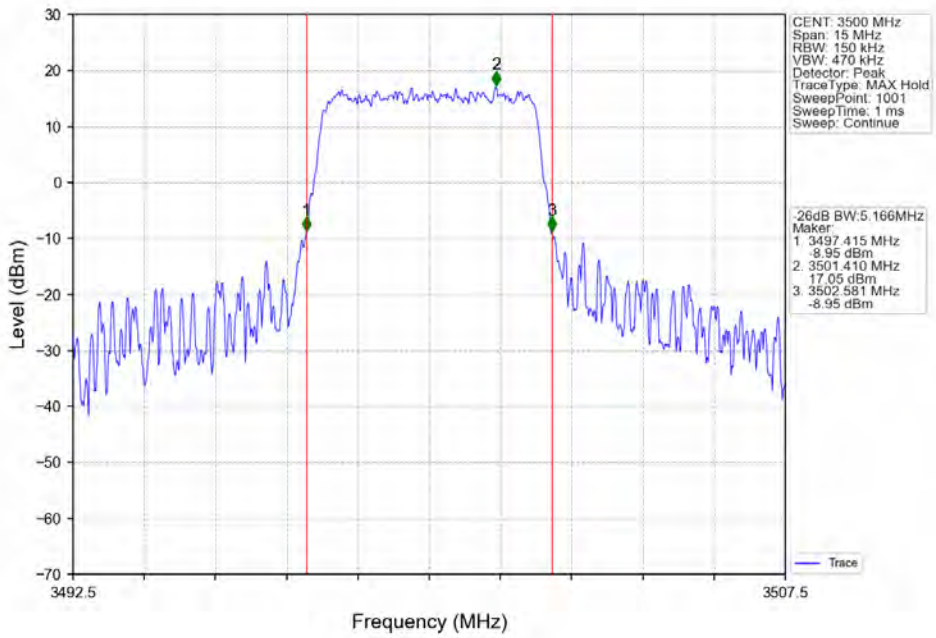
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



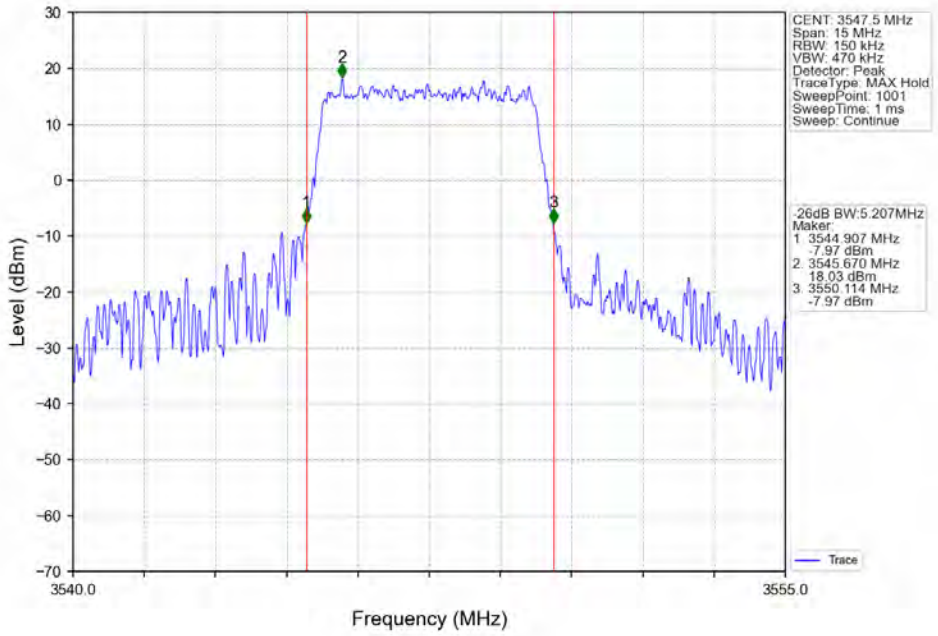
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



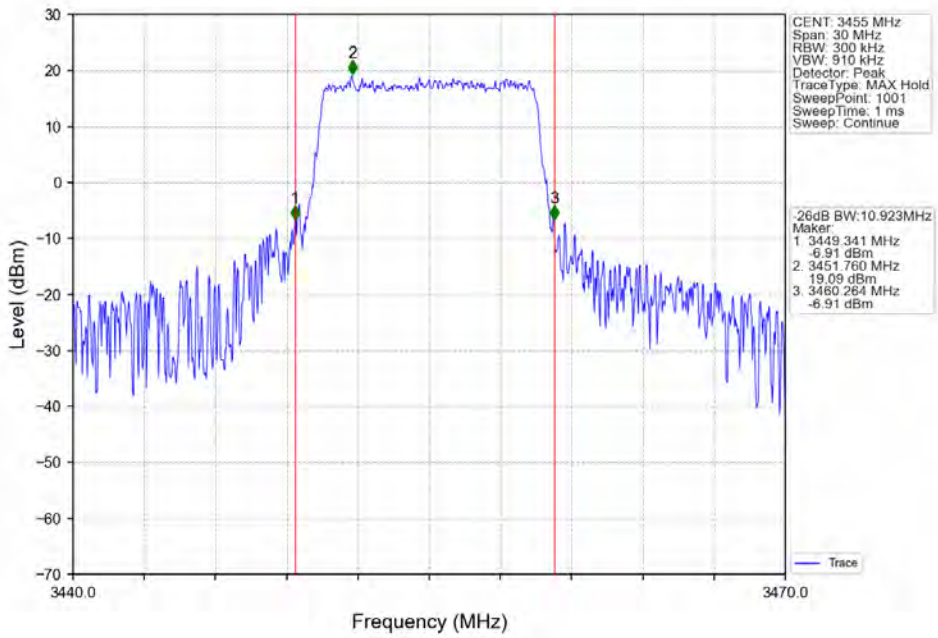
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



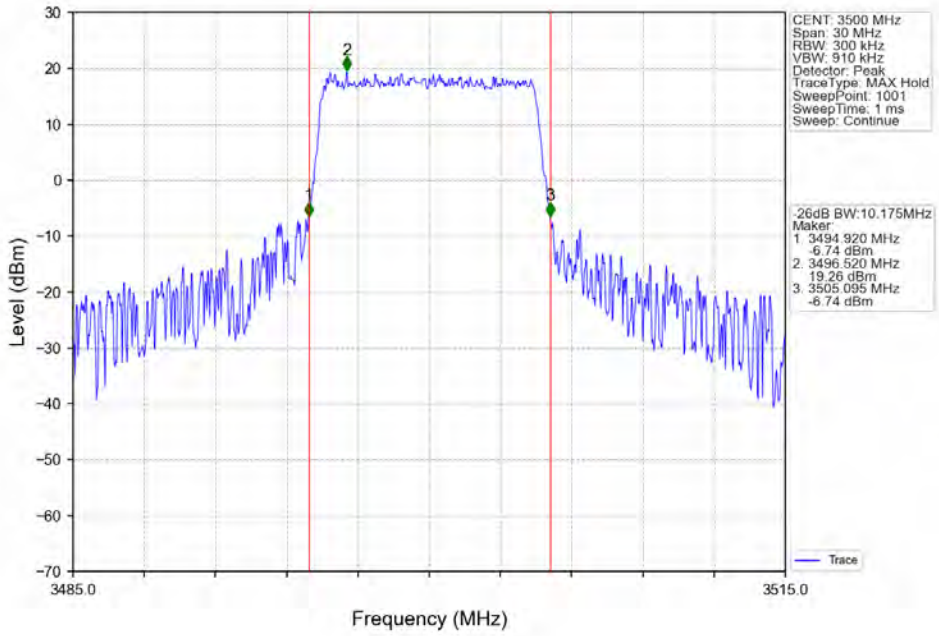
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



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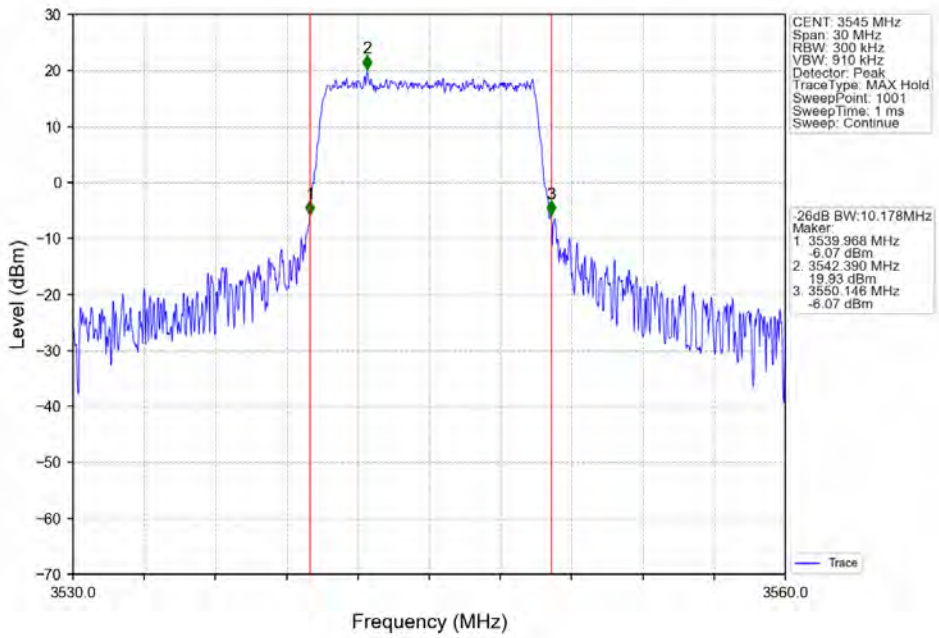
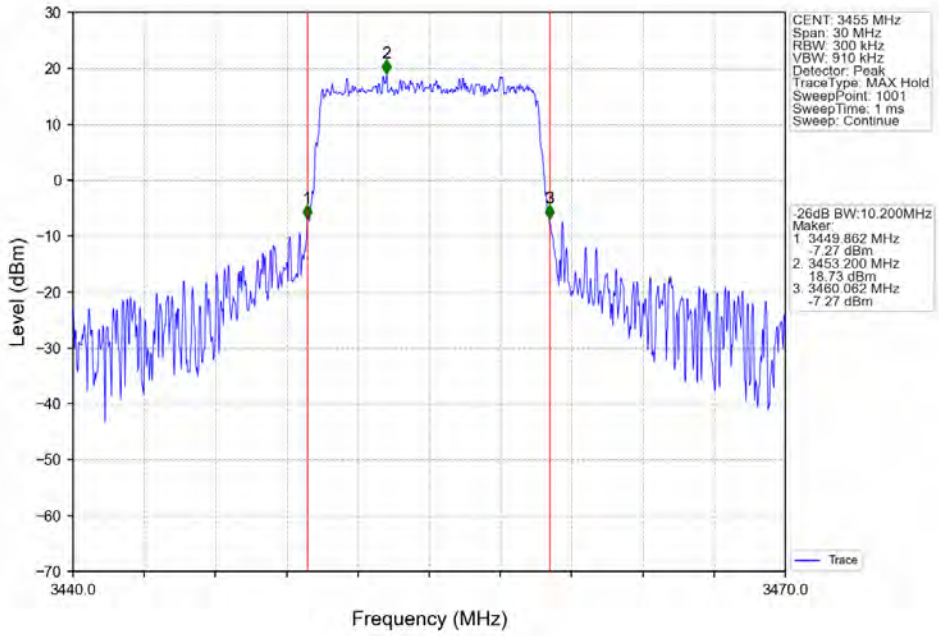
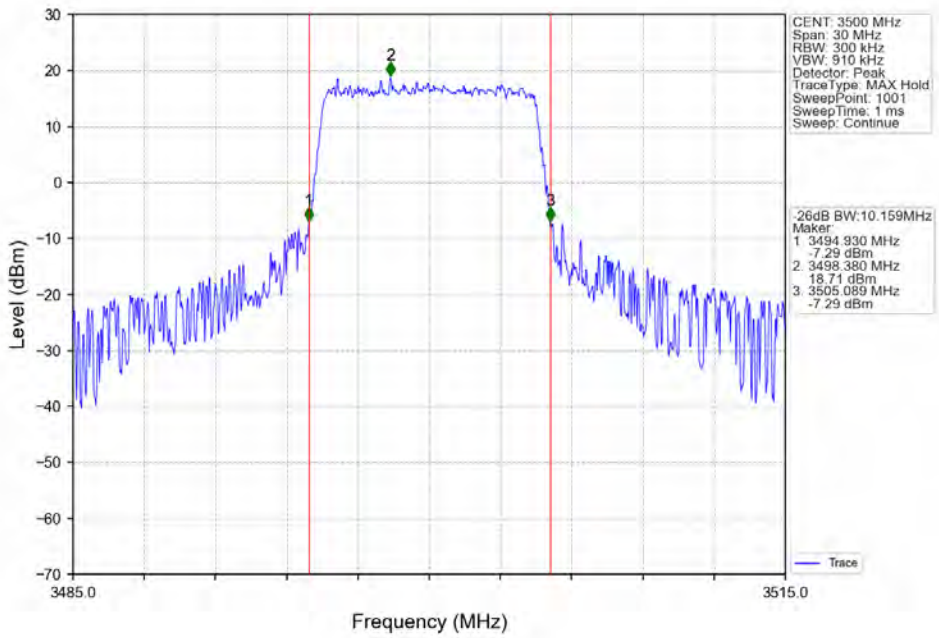


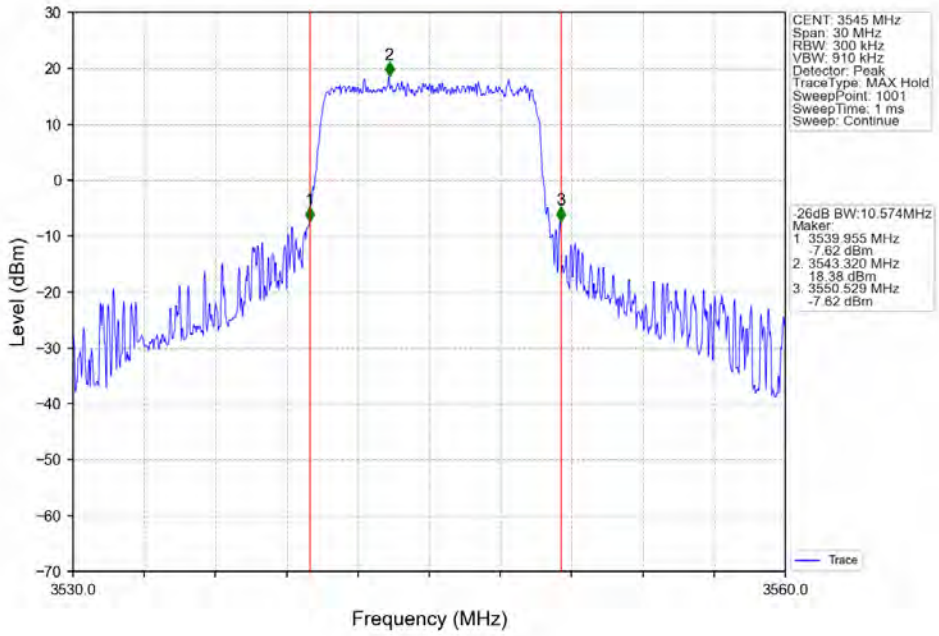
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



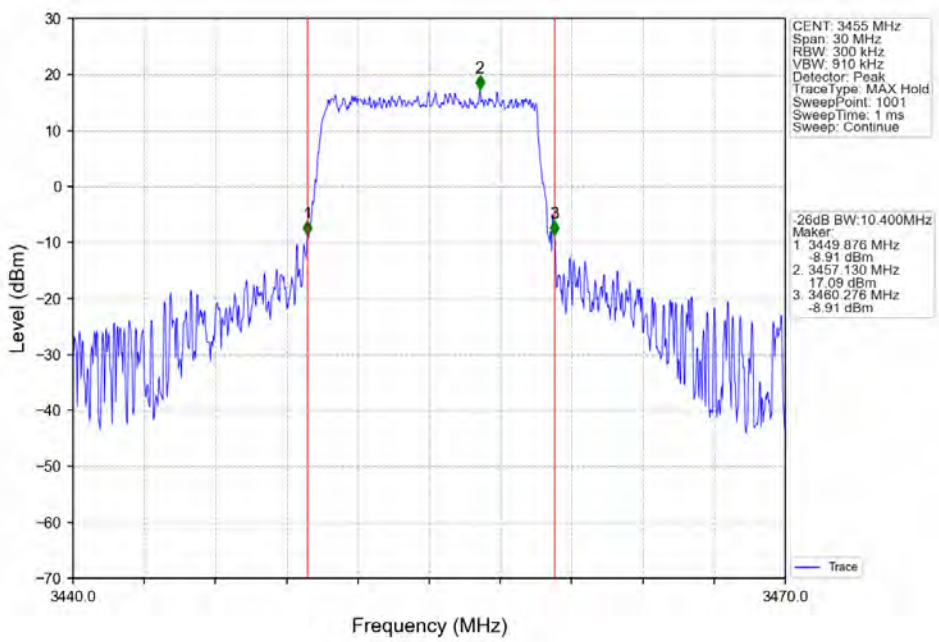
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



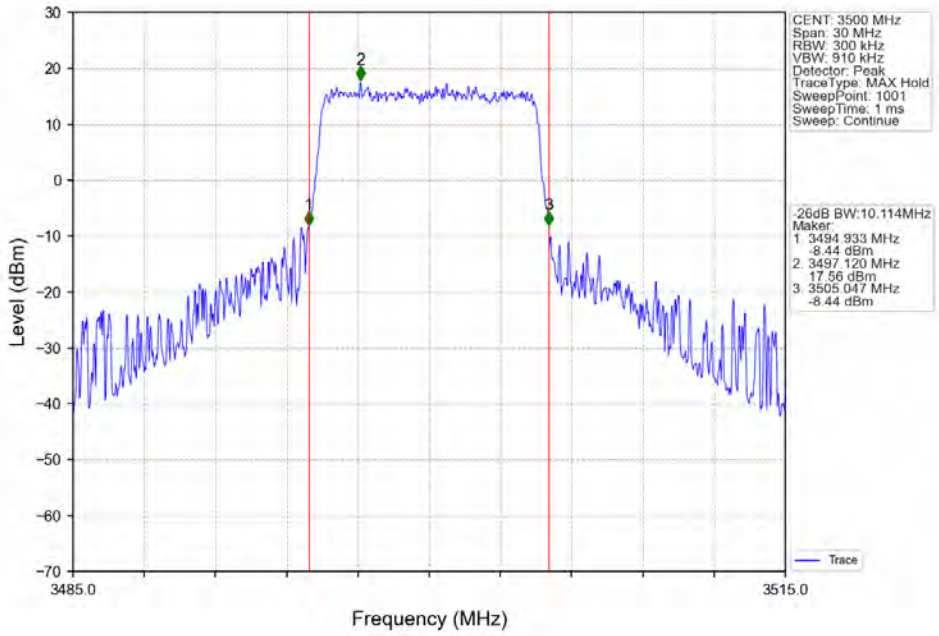
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



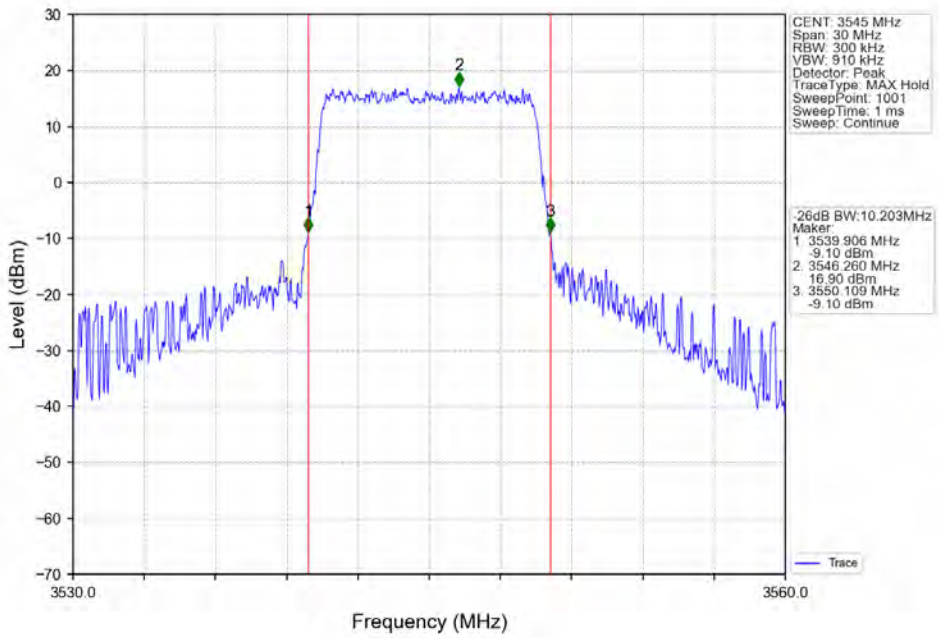
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



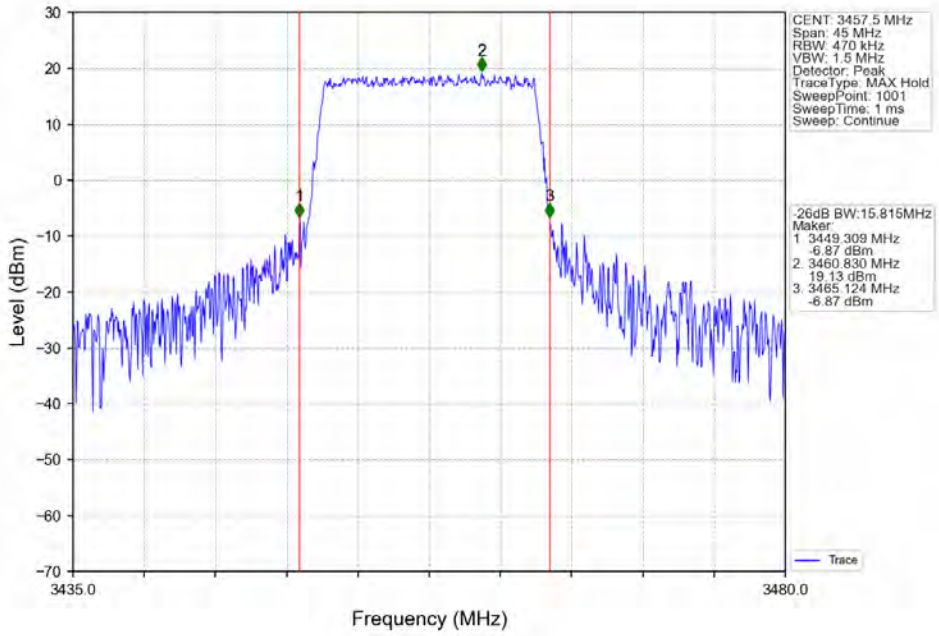
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



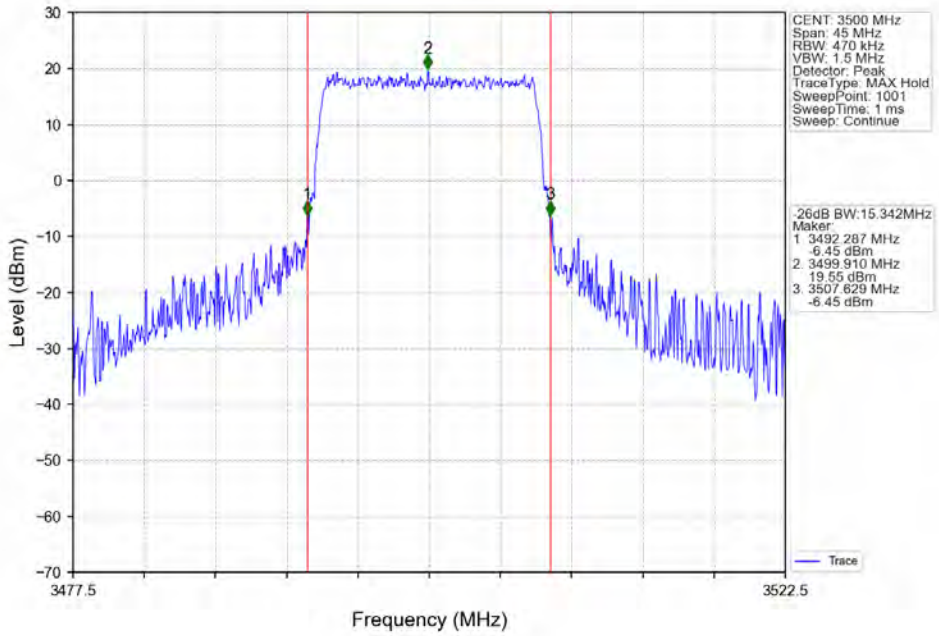
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



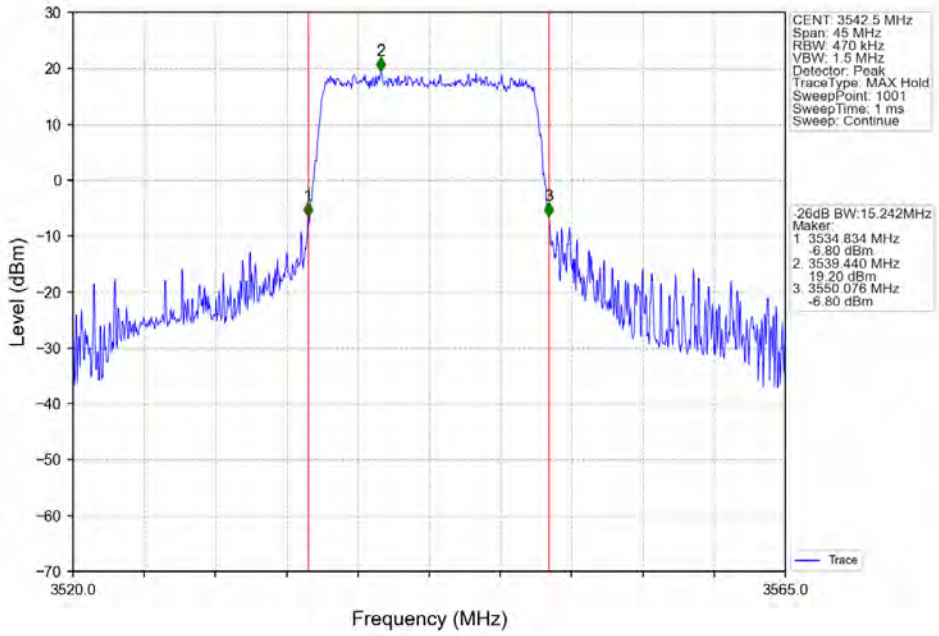
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



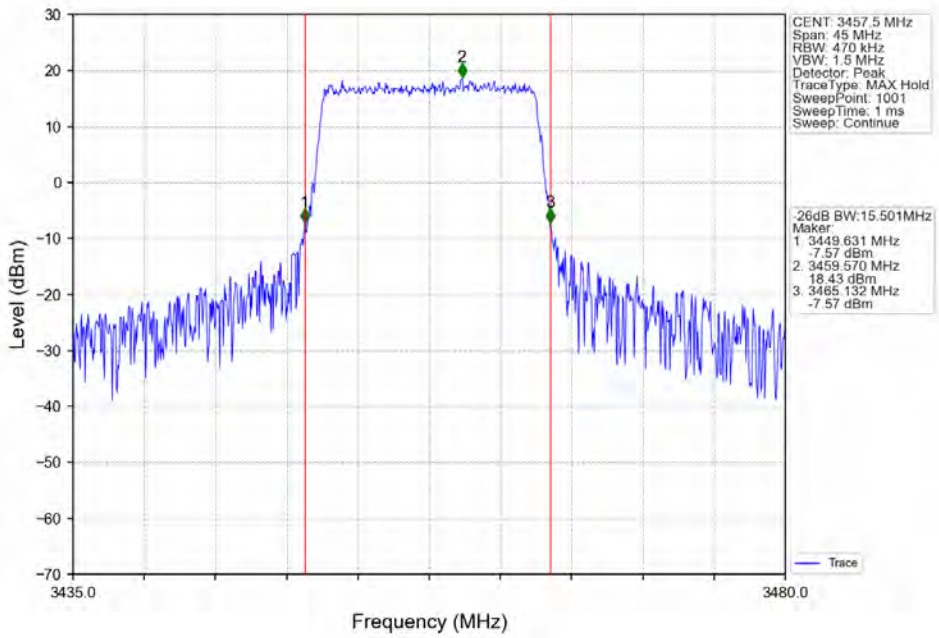
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



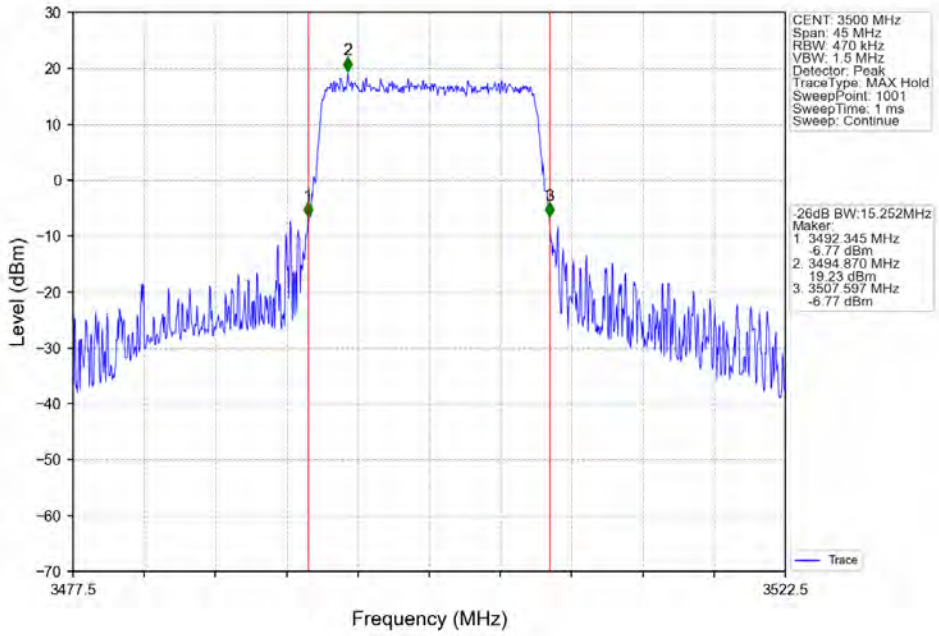
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



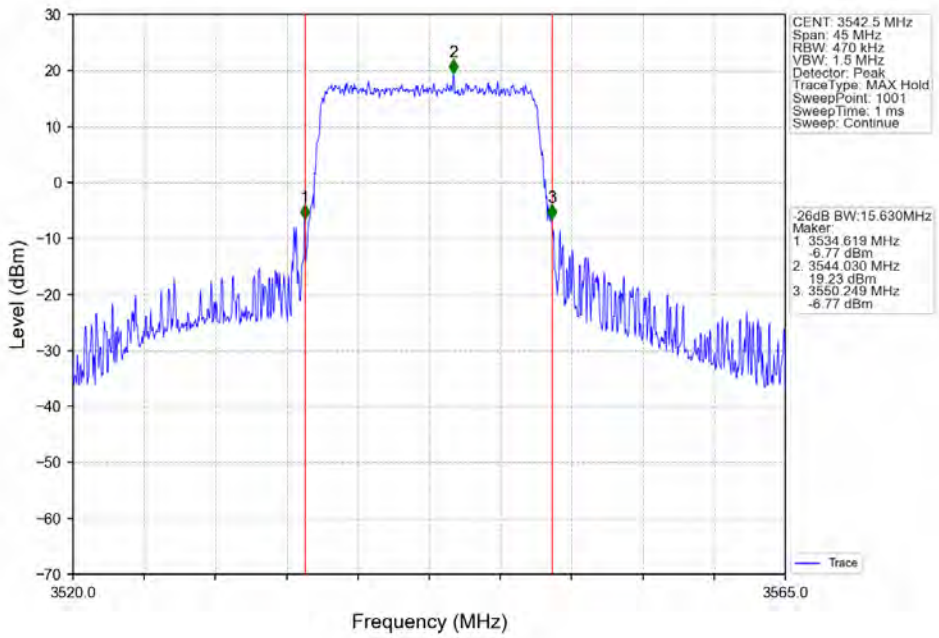
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



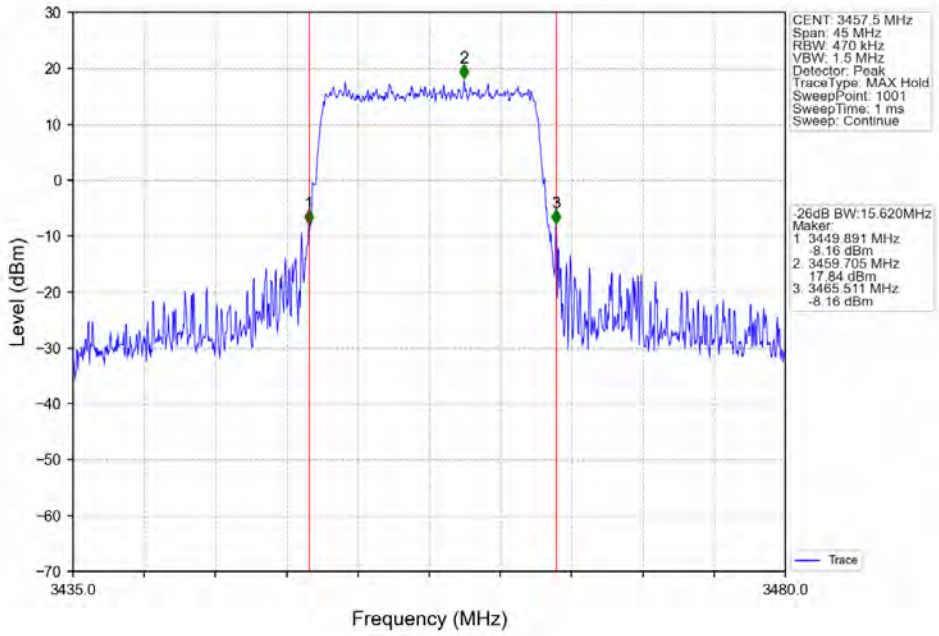
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



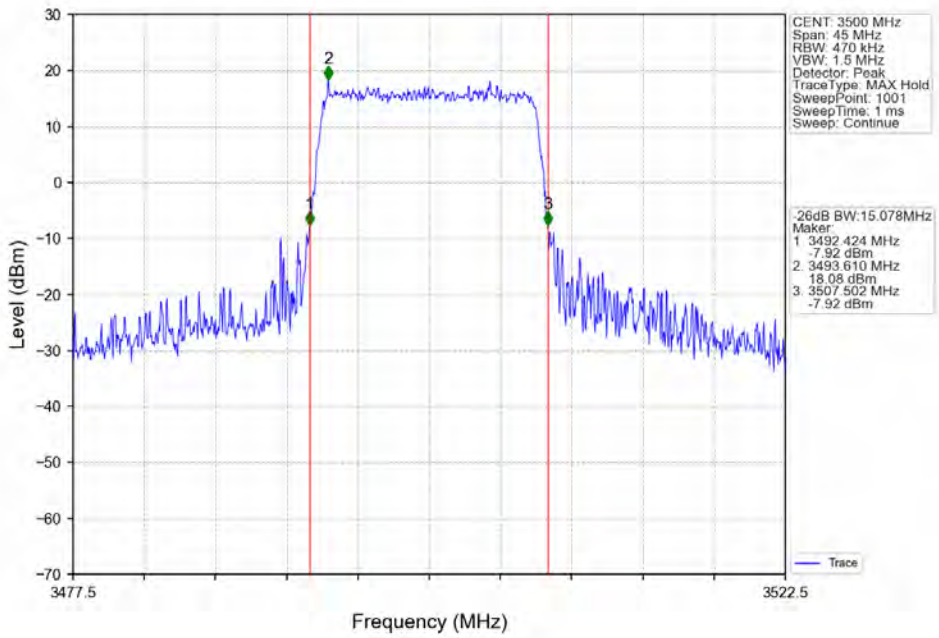
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



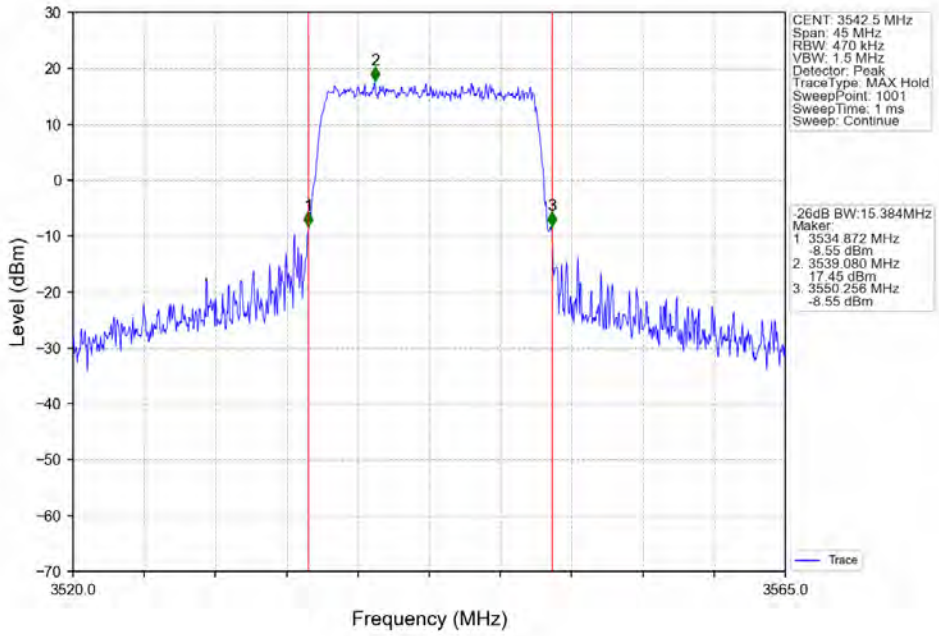
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



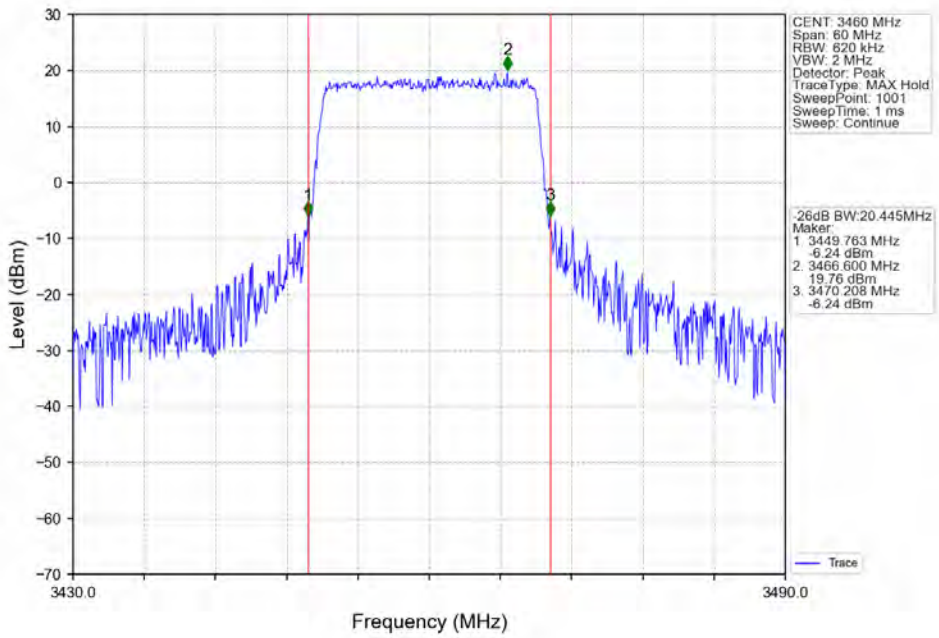
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



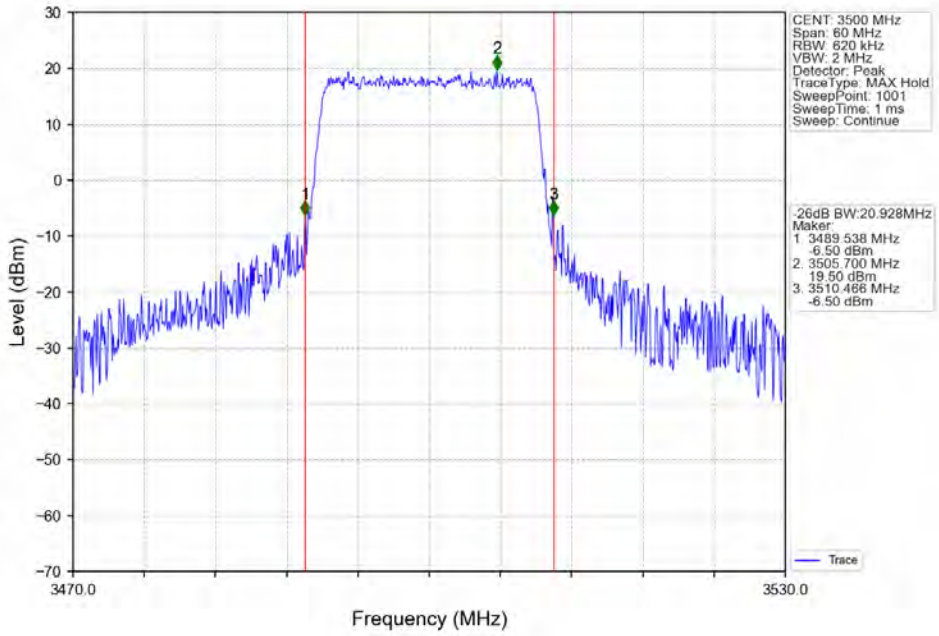
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



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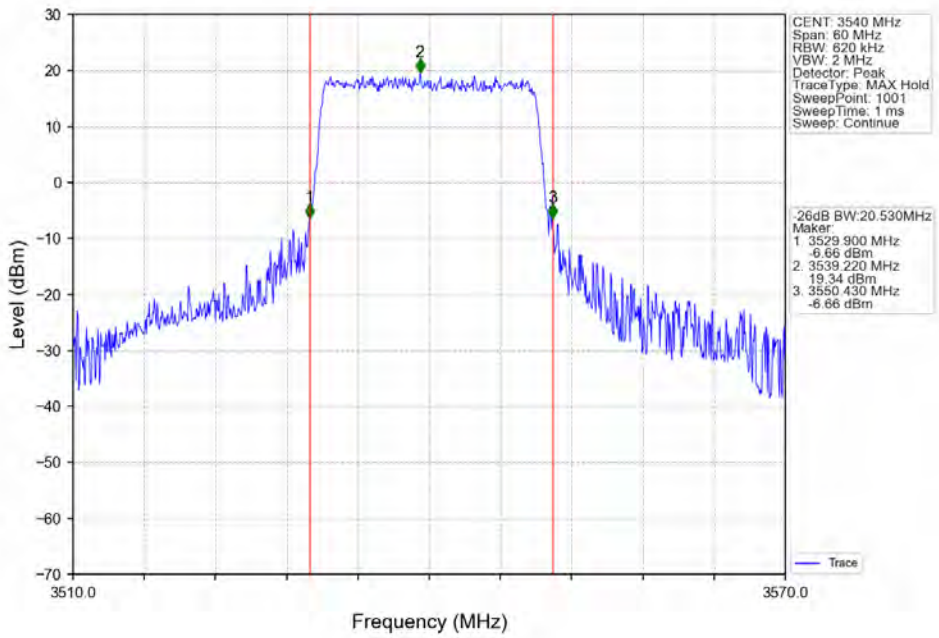
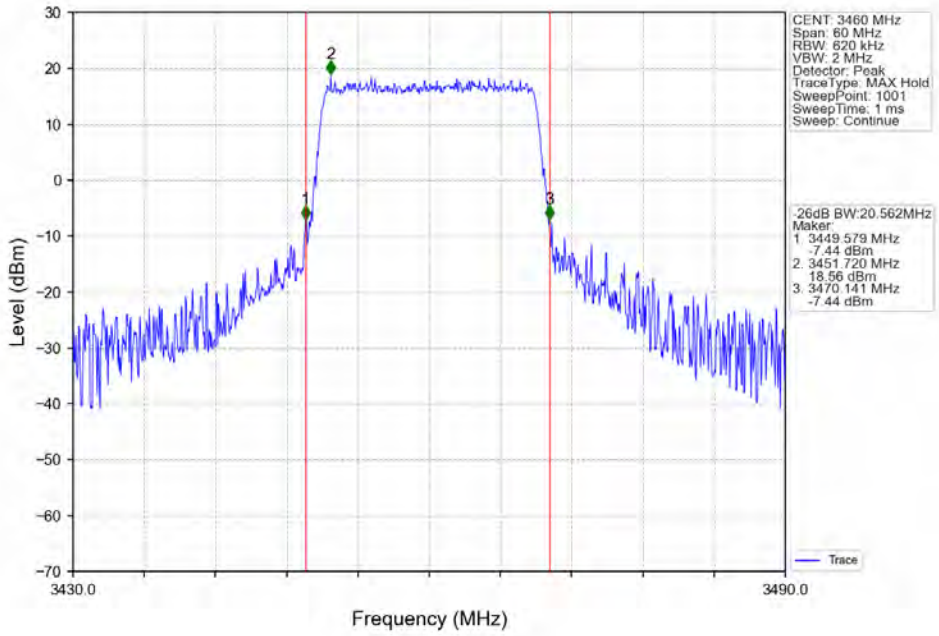
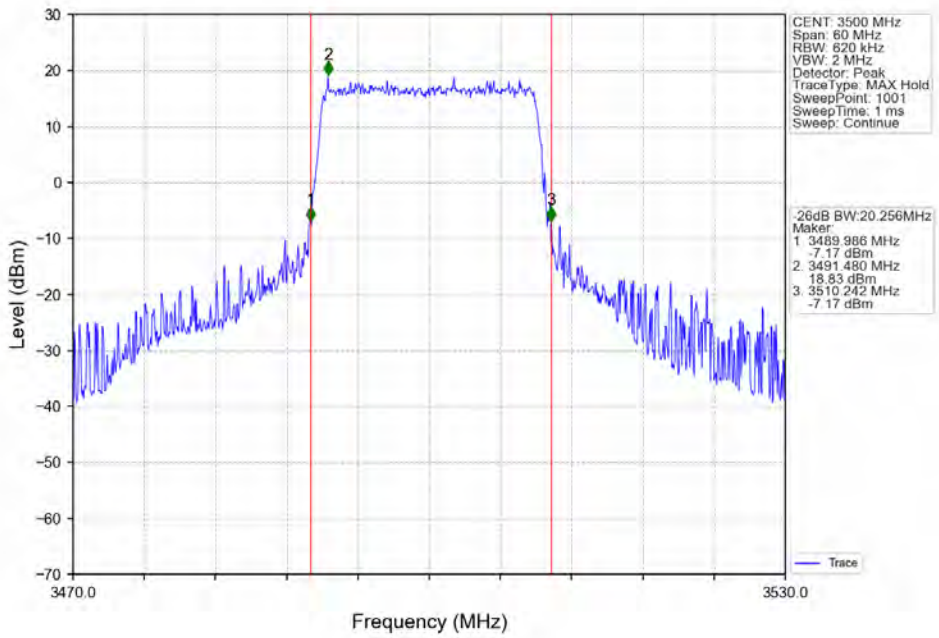


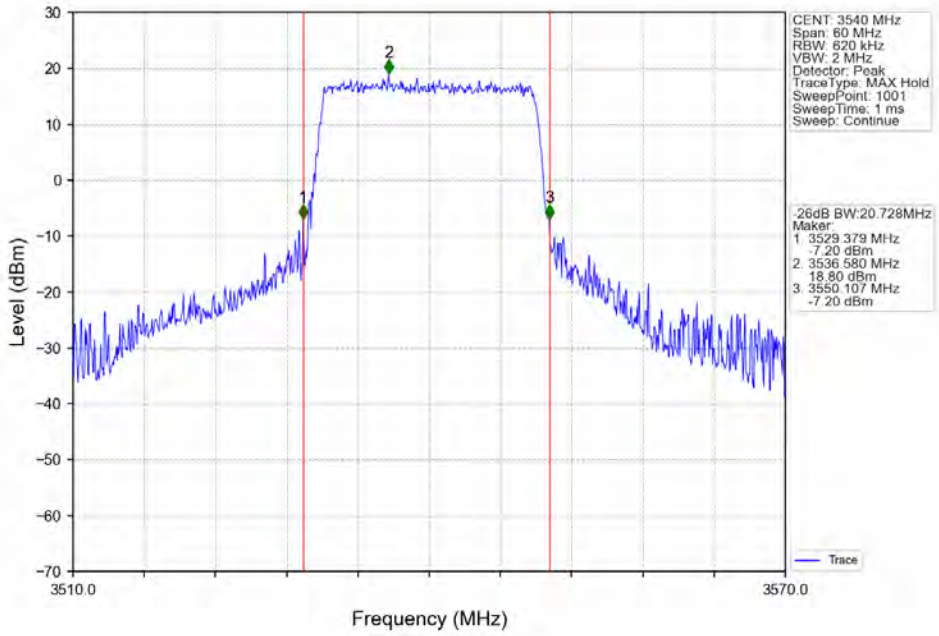
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



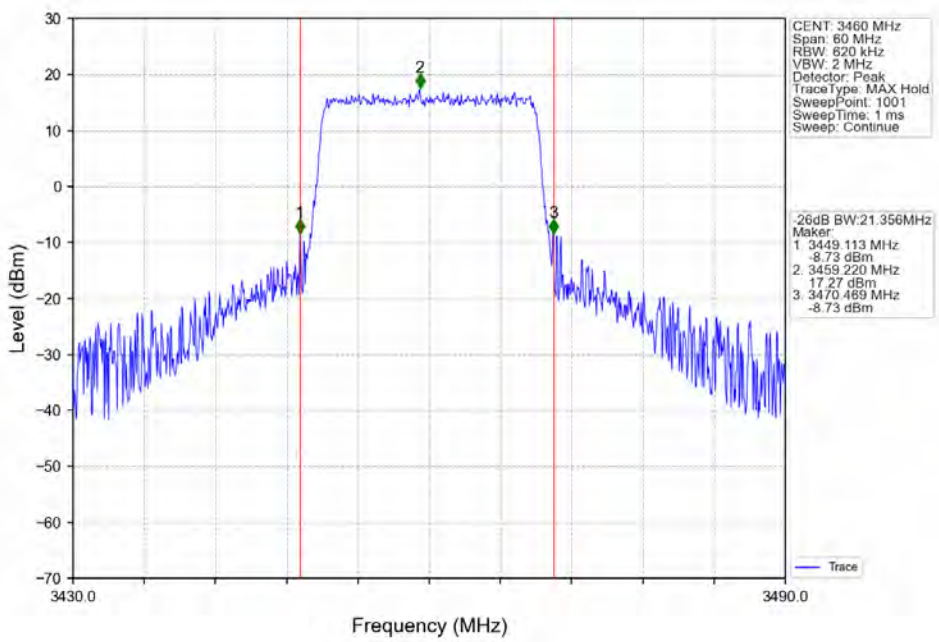
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



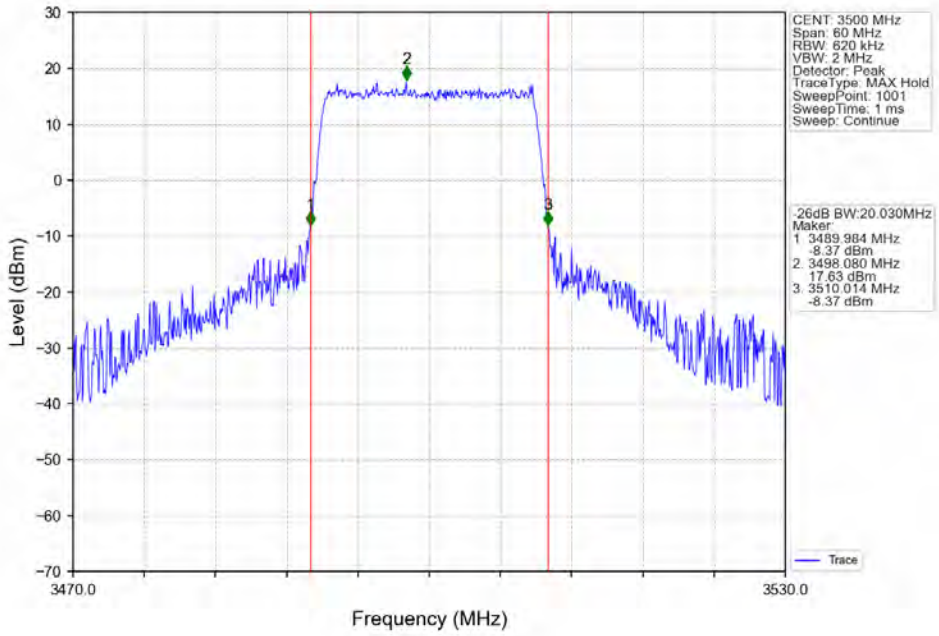
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



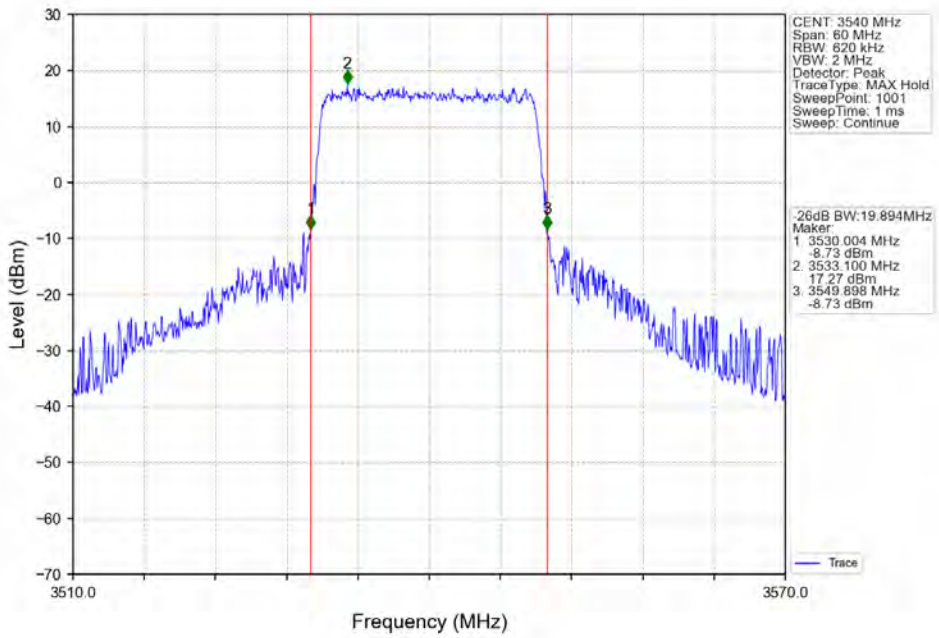
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 B42a_5MHz

4.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	7.11	<=13	Pass
	3500	25	0	6.96	<=13	Pass
	3547.5	25	0	6.89	<=13	Pass
16QAM	3452.5	25	0	8.12	<=13	Pass
	3500	25	0	8.12	<=13	Pass
	3547.5	25	0	7.82	<=13	Pass
64QAM	3452.5	25	0	11.92	<=13	Pass
	3500	25	0	12.81	<=13	Pass
	3547.5	25	0	8.66	<=13	Pass

4.2 B42a_10MHz

4.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	6.98	<=13	Pass
	3500	50	0	6.99	<=13	Pass
	3545	50	0	6.95	<=13	Pass
16QAM	3455	50	0	7.97	<=13	Pass
	3500	50	0	8.09	<=13	Pass
	3545	50	0	8.14	<=13	Pass
64QAM	3455	50	0	12.45	<=13	Pass
	3500	50	0	12.57	<=13	Pass
	3545	50	0	12.97	<=13	Pass

4.3 B42a_15MHz

4.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	7.00	<=13	Pass
	3500	75	0	7.06	<=13	Pass
	3542.5	75	0	7.00	<=13	Pass
16QAM	3457.5	75	0	8.02	<=13	Pass
	3500	75	0	8.26	<=13	Pass
	3542.5	75	0	8.31	<=13	Pass
64QAM	3457.5	75	0	11.32	<=13	Pass
	3500	75	0	8.76	<=13	Pass
	3542.5	75	0	11.54	<=13	Pass

4.4 B42a_20MHz

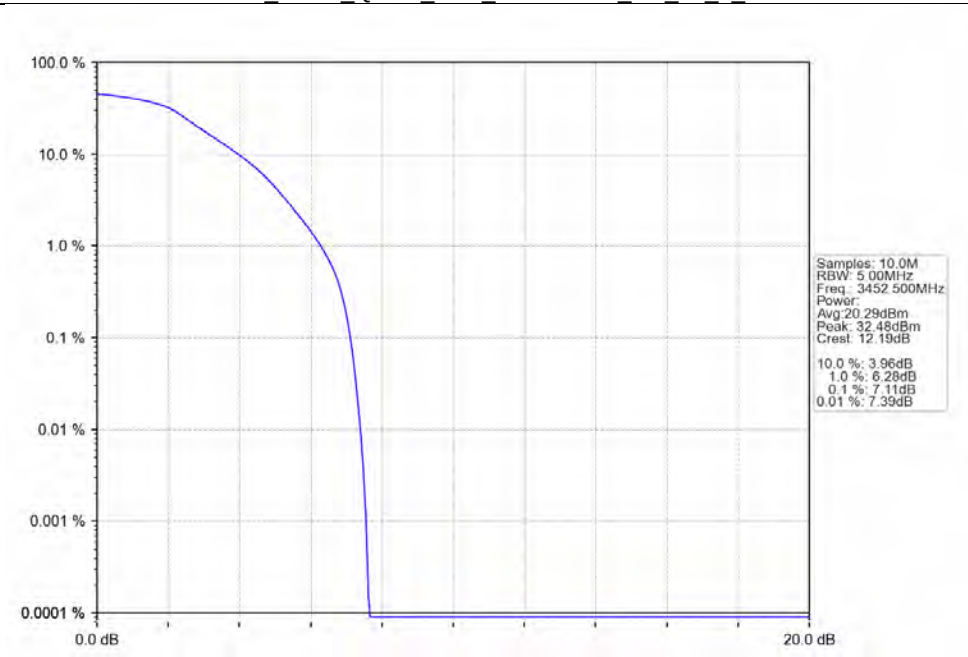
4.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	7.10	<=13	Pass
	3500	100	0	7.03	<=13	Pass
	3540	100	0	6.87	<=13	Pass
16QAM	3460	100	0	7.91	<=13	Pass
	3500	100	0	8.10	<=13	Pass
	3540	100	0	7.87	<=13	Pass
64QAM	3460	100	0	10.74	<=13	Pass
	3500	100	0	8.36	<=13	Pass
	3540	100	0	10.83	<=13	Pass

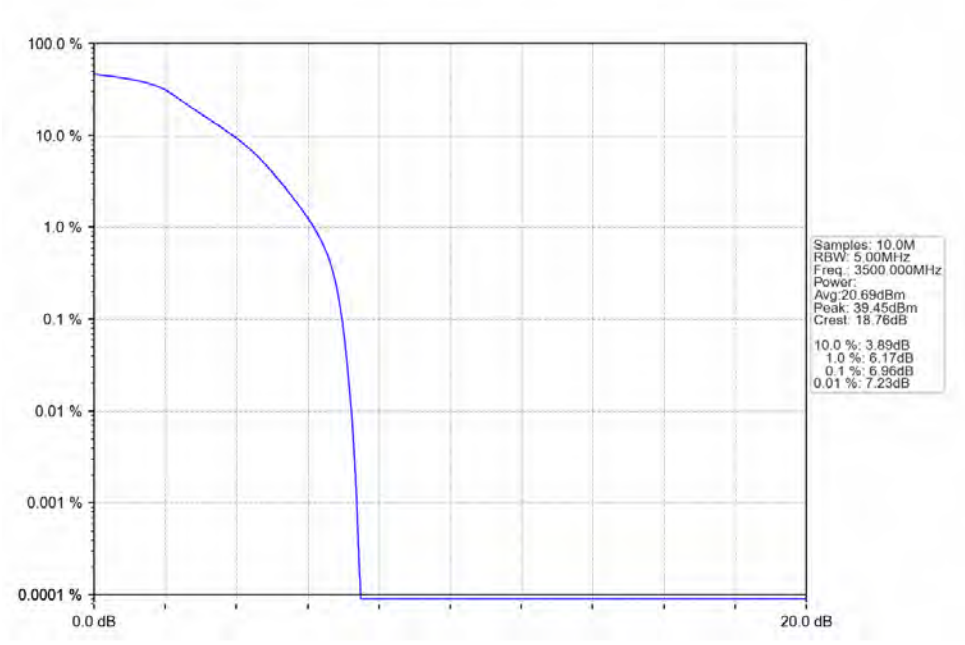
4.1 B42a_5MHz

4.1.2 Test Graph

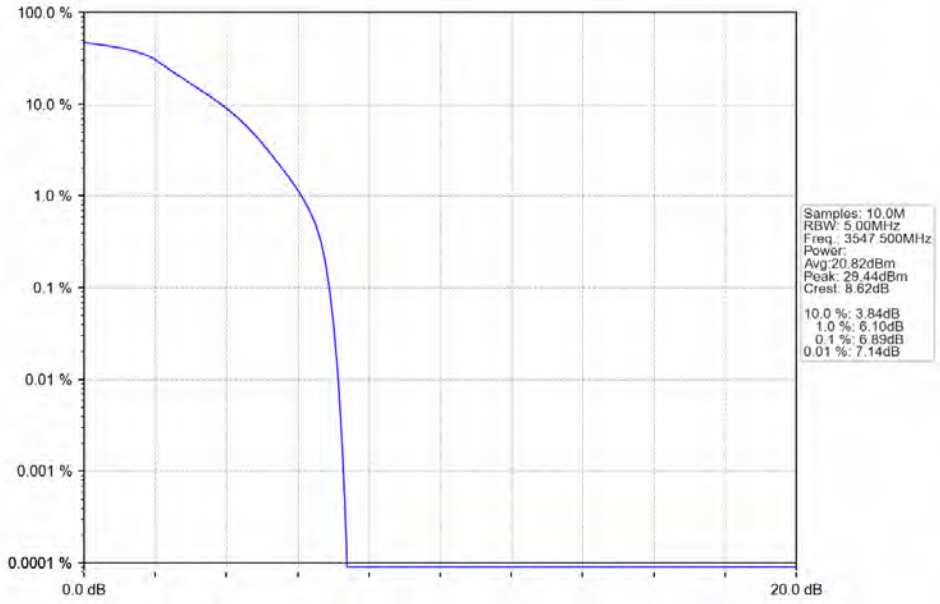
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



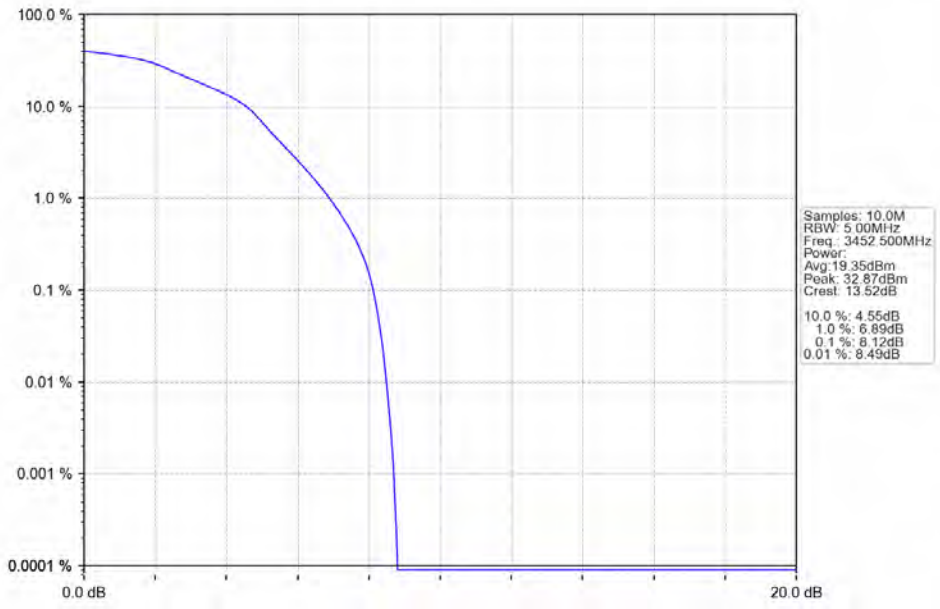
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



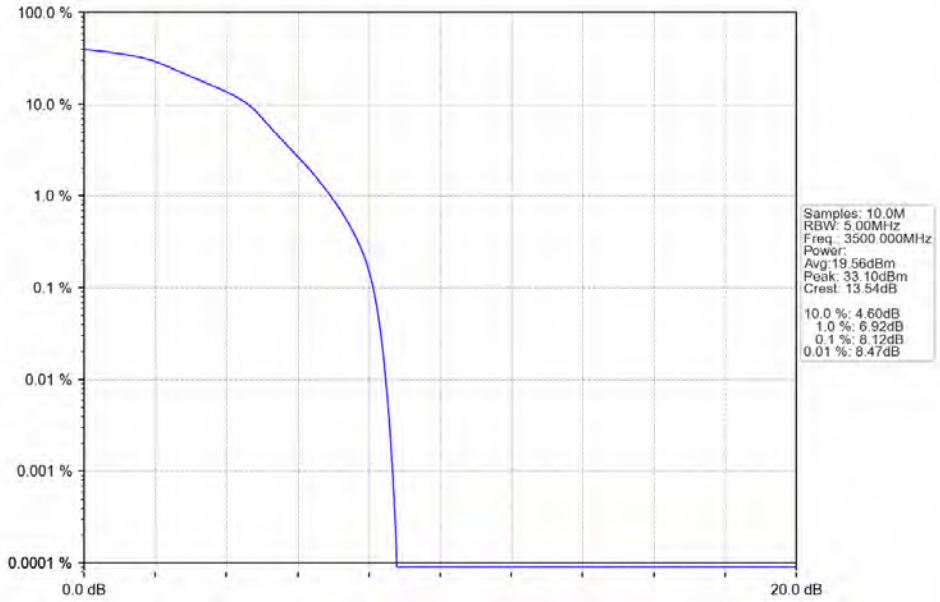
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



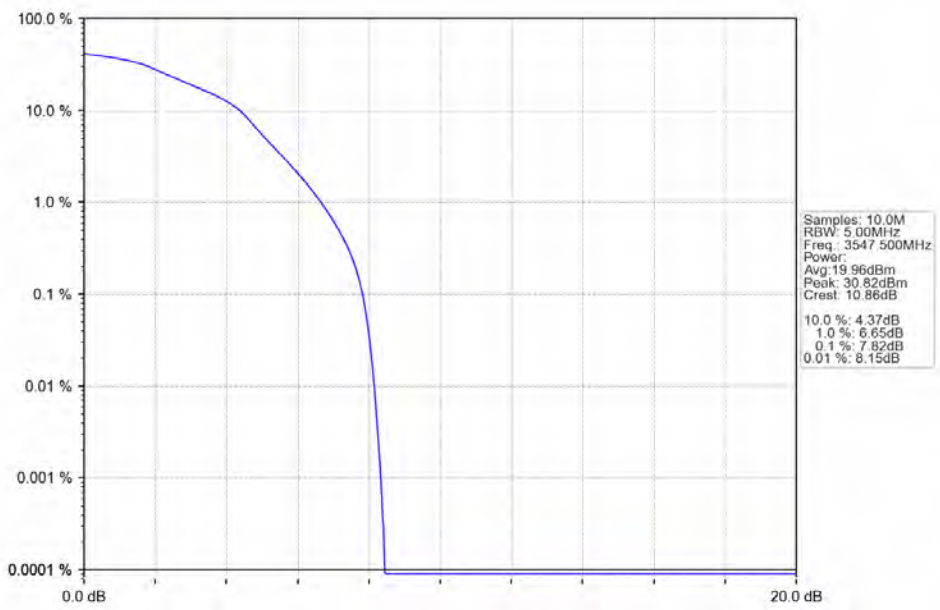
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



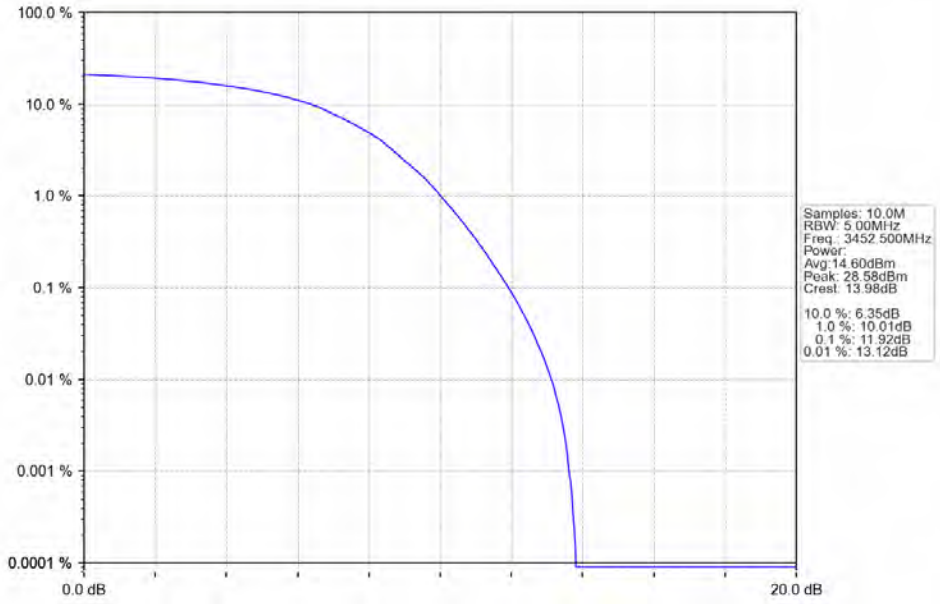
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



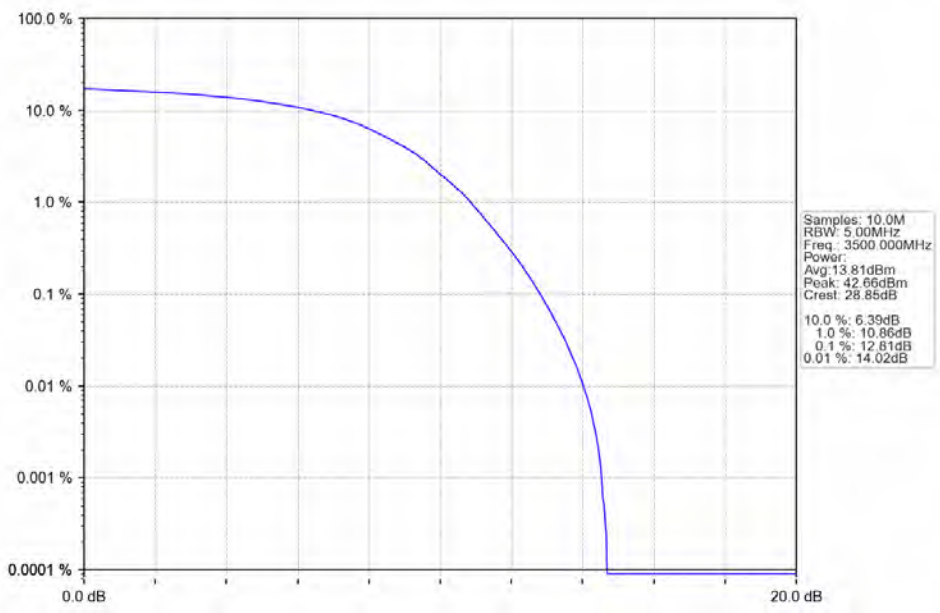
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



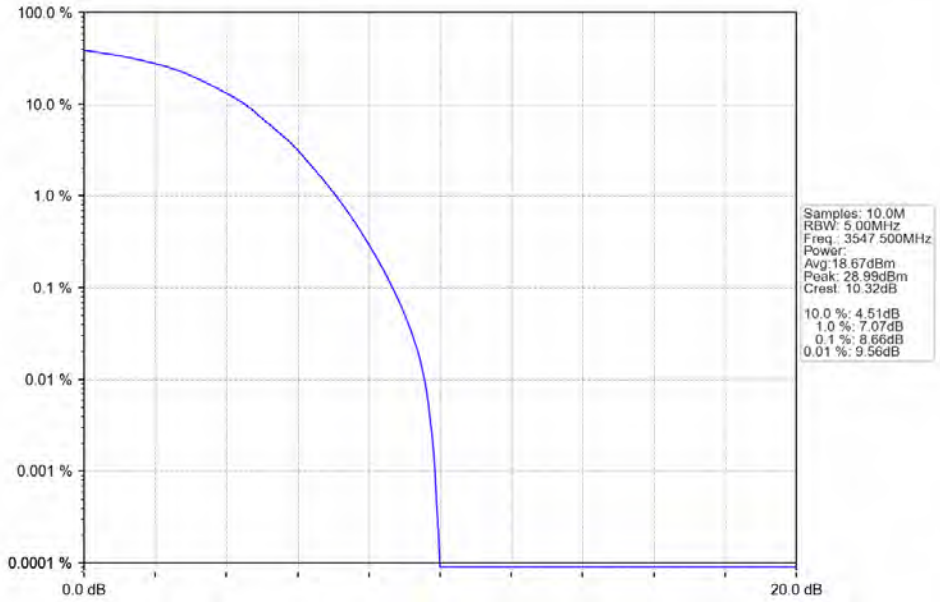
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



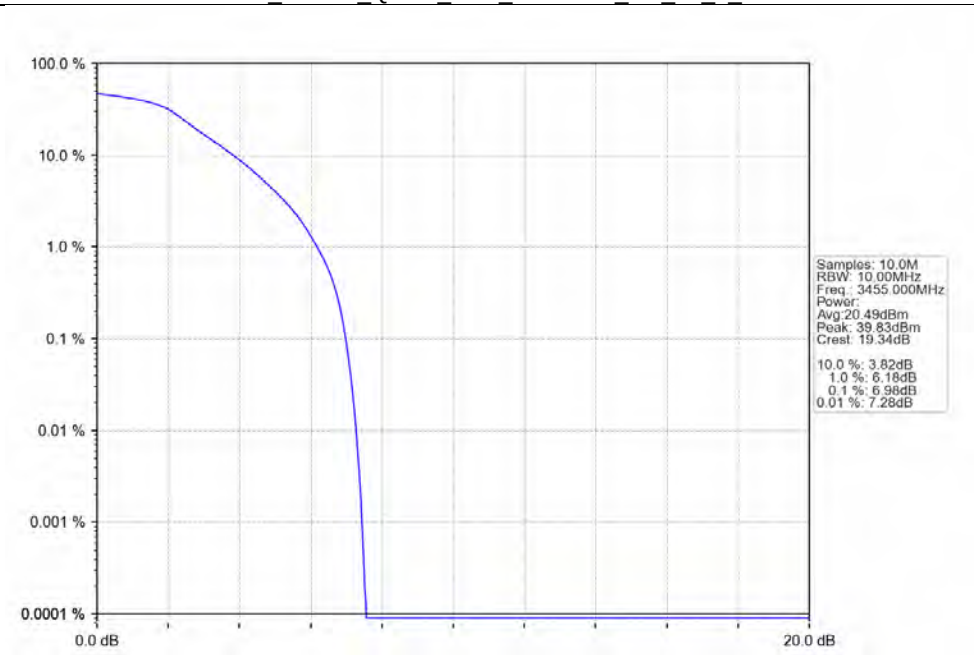
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



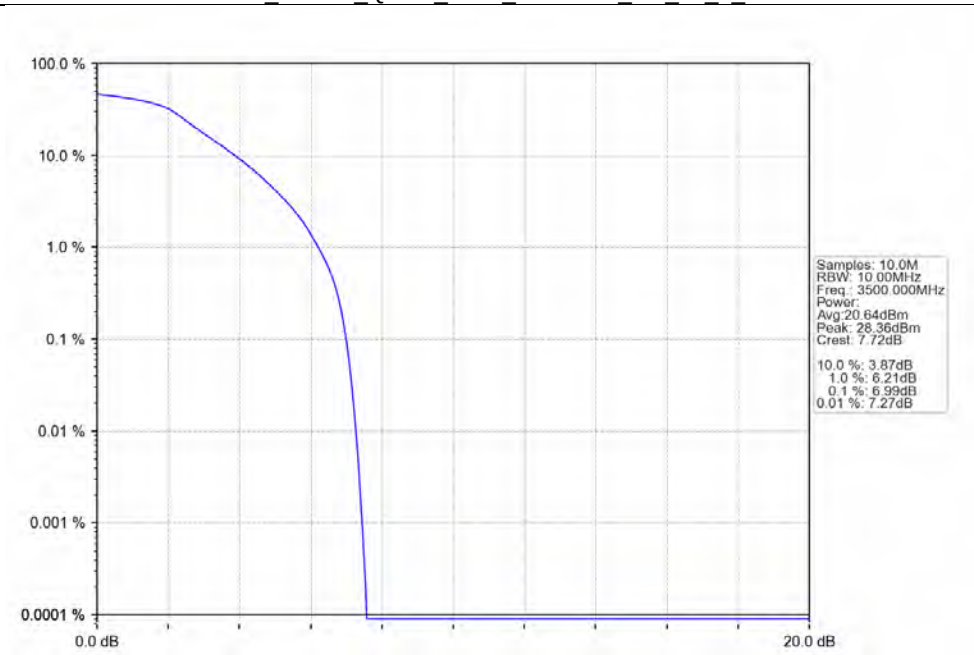
4.2 B42a_10MHz

4.2.2 Test Graph

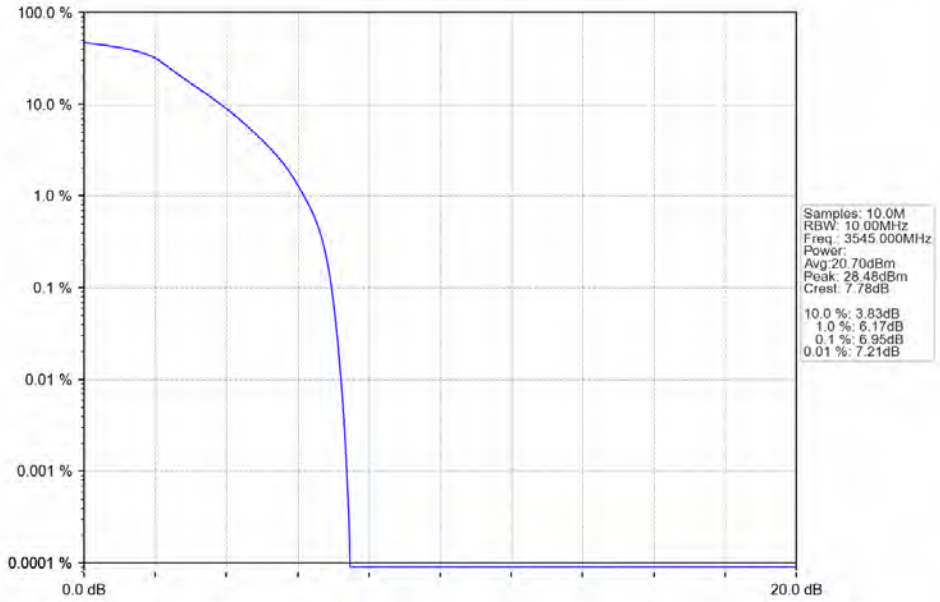
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



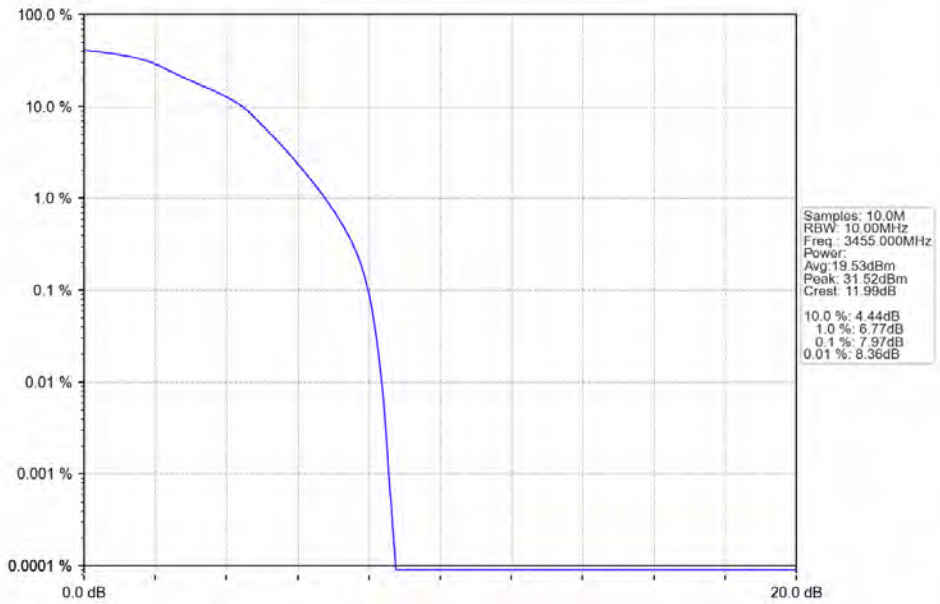
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



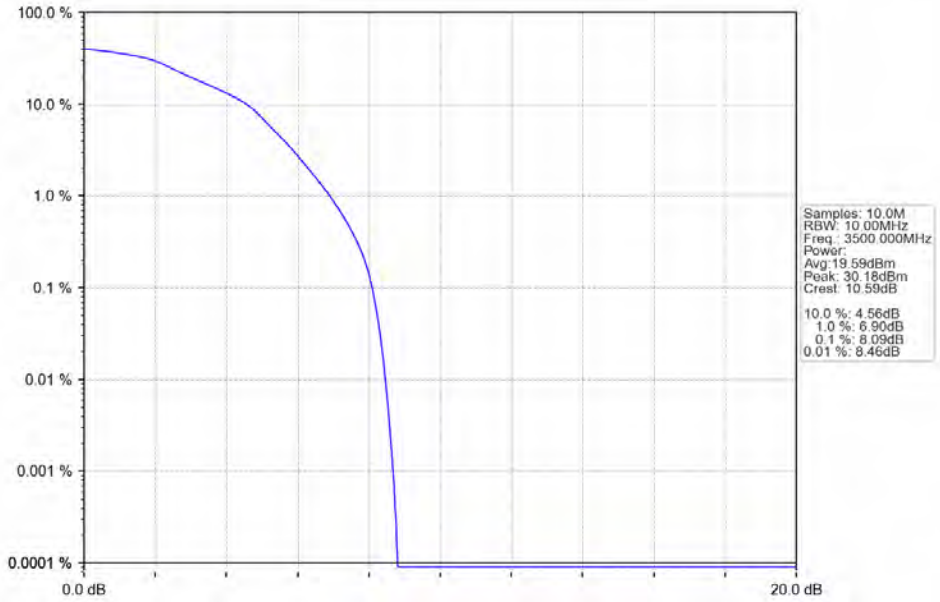
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



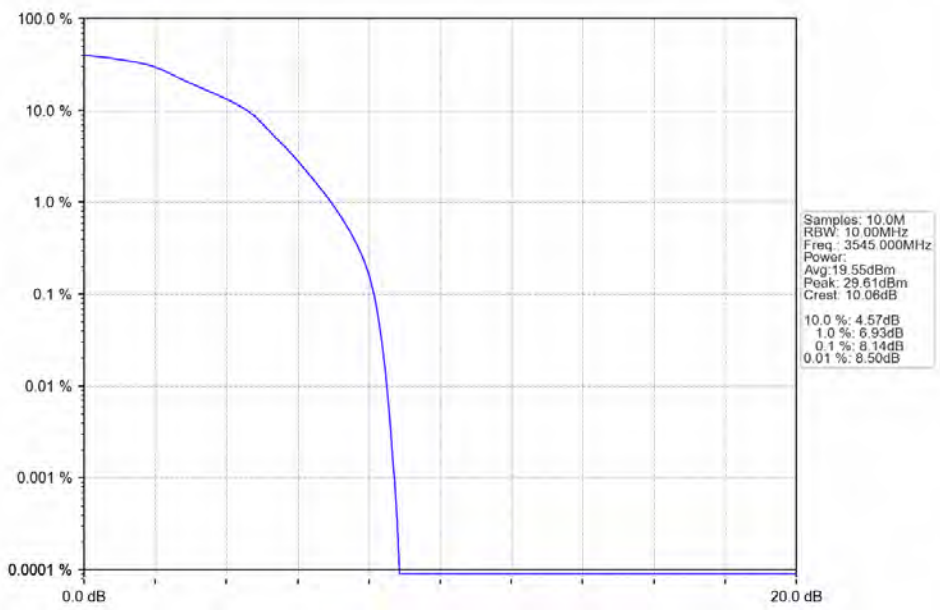
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



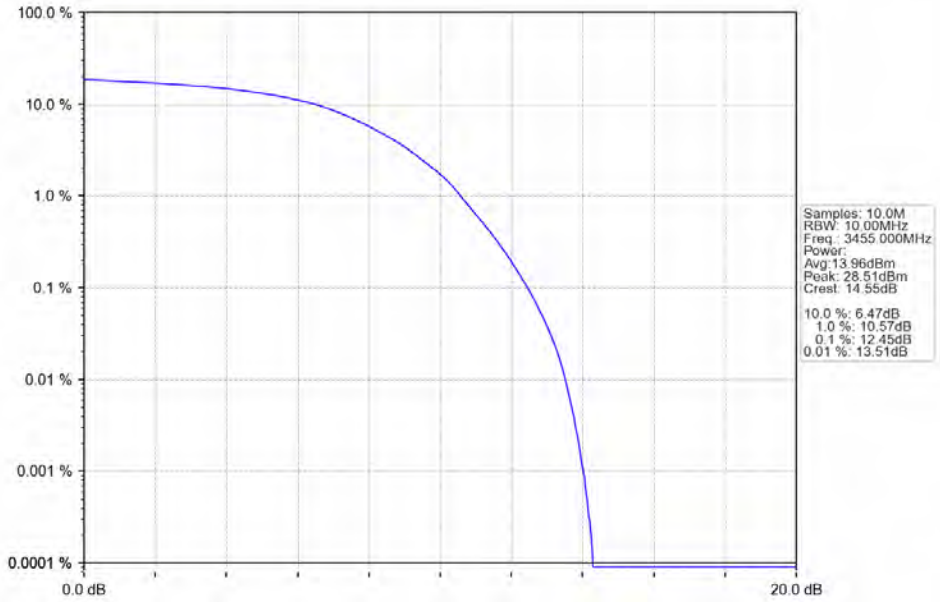
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



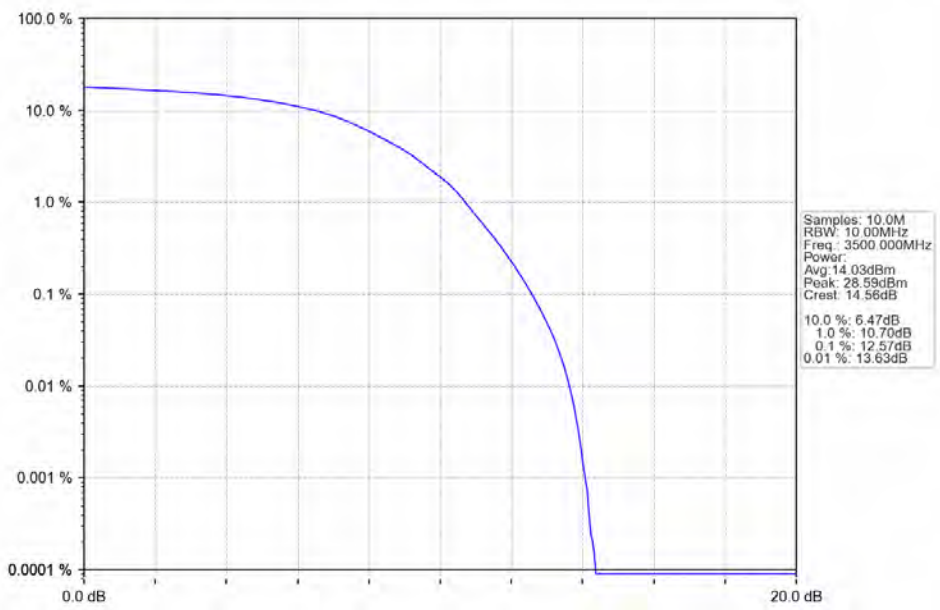
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



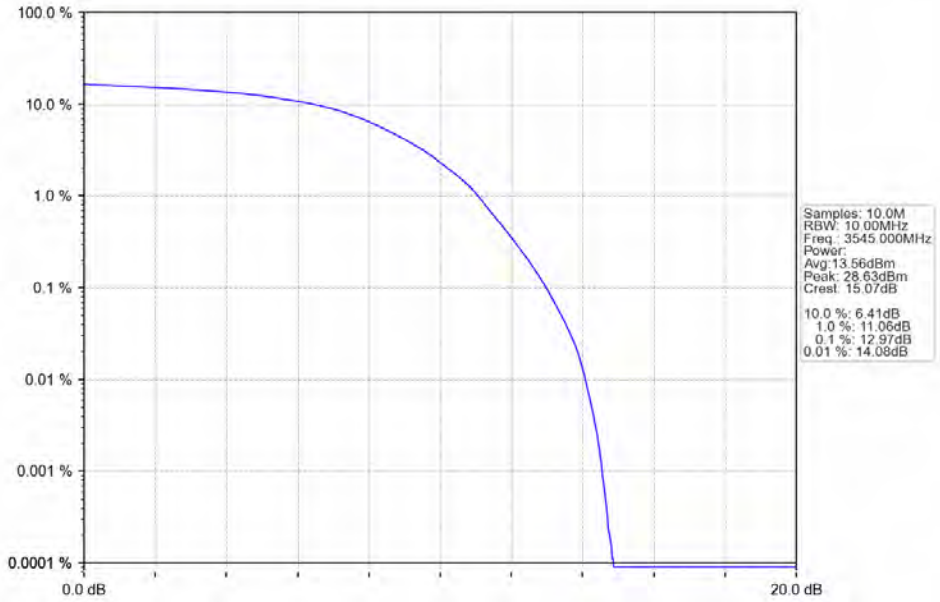
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



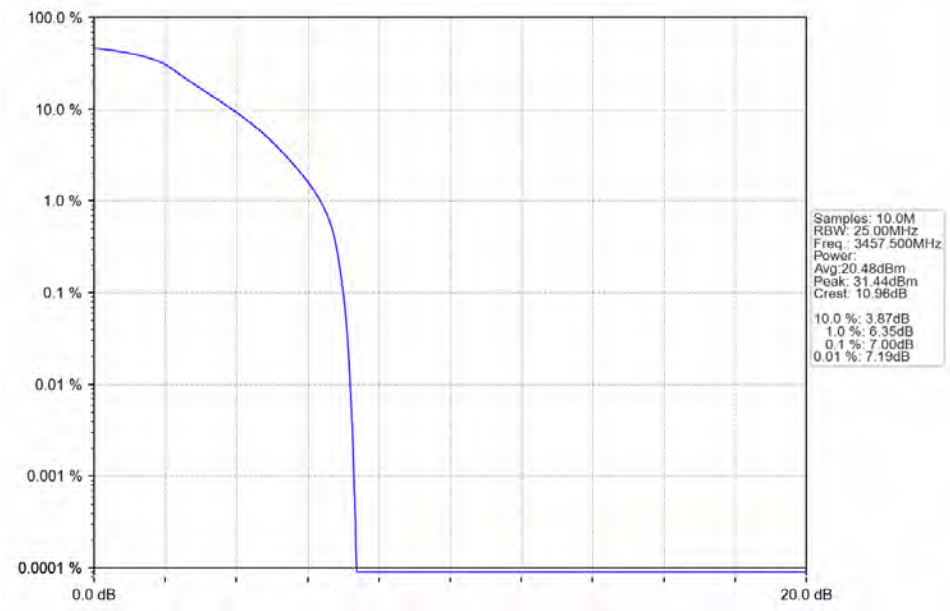
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



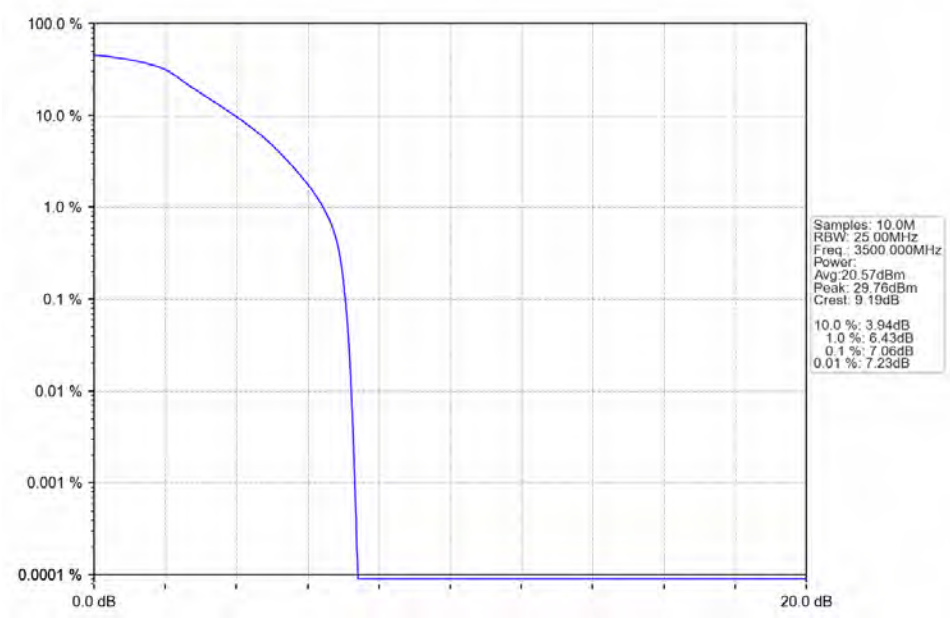
4.3 B42a_15MHz

4.3.2 Test Graph

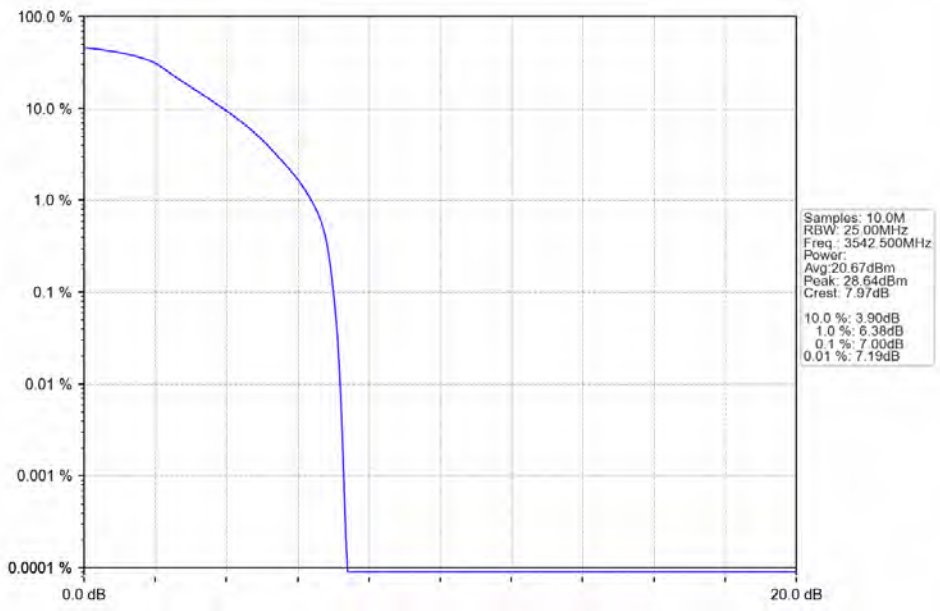
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



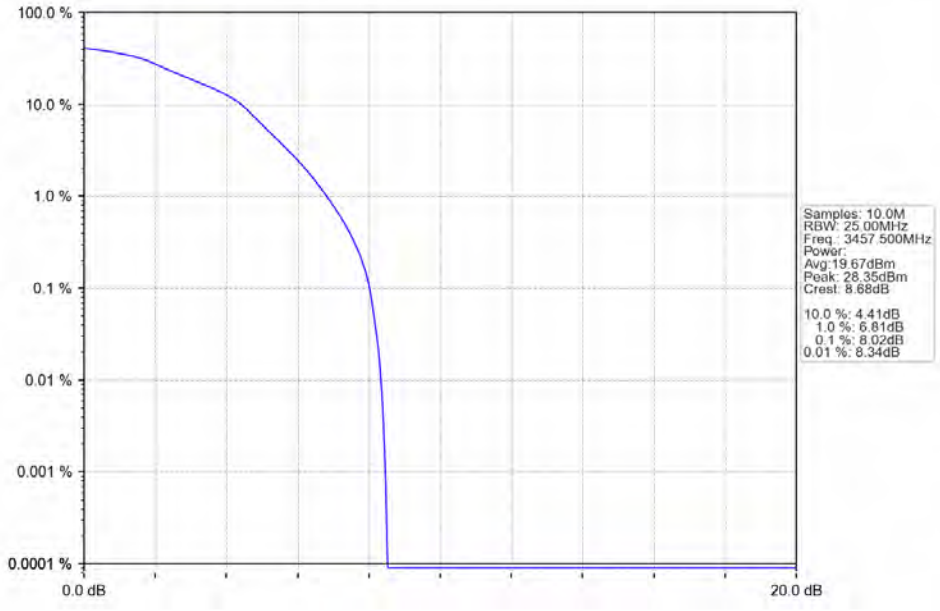
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



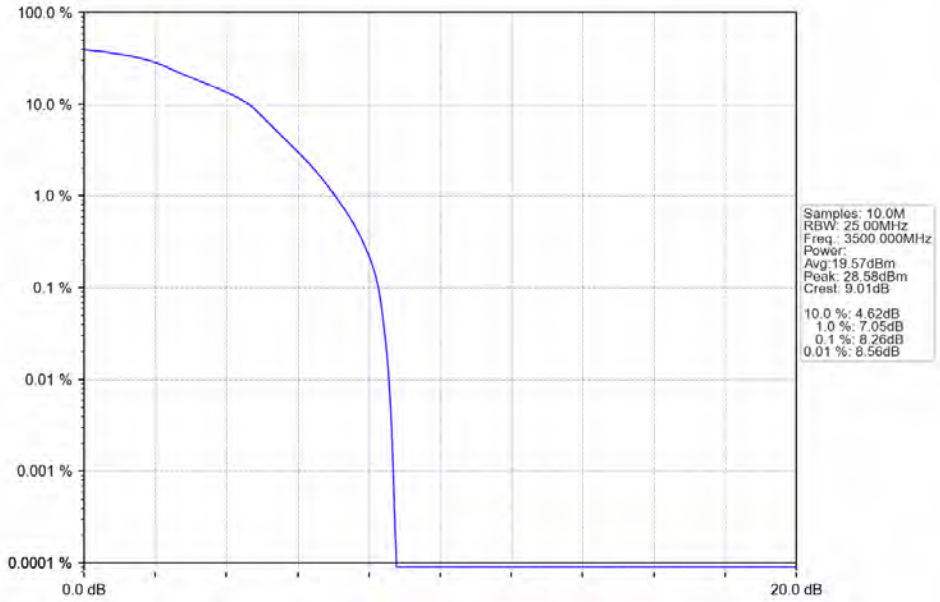
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



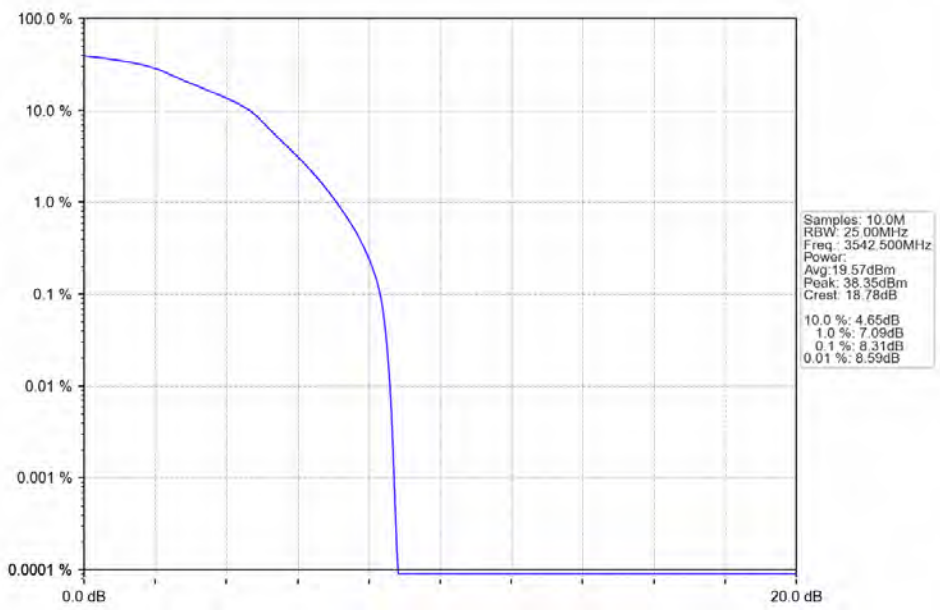
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



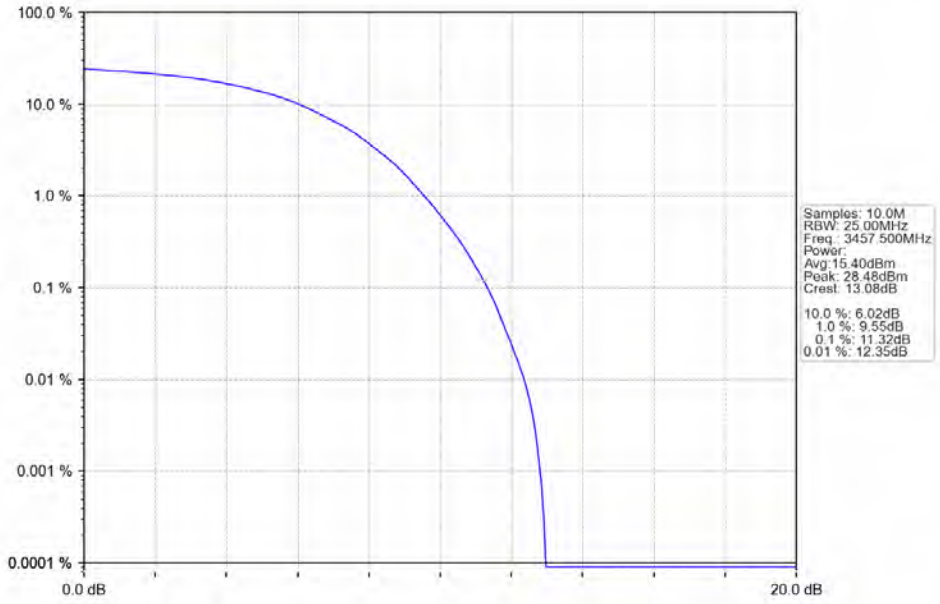
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



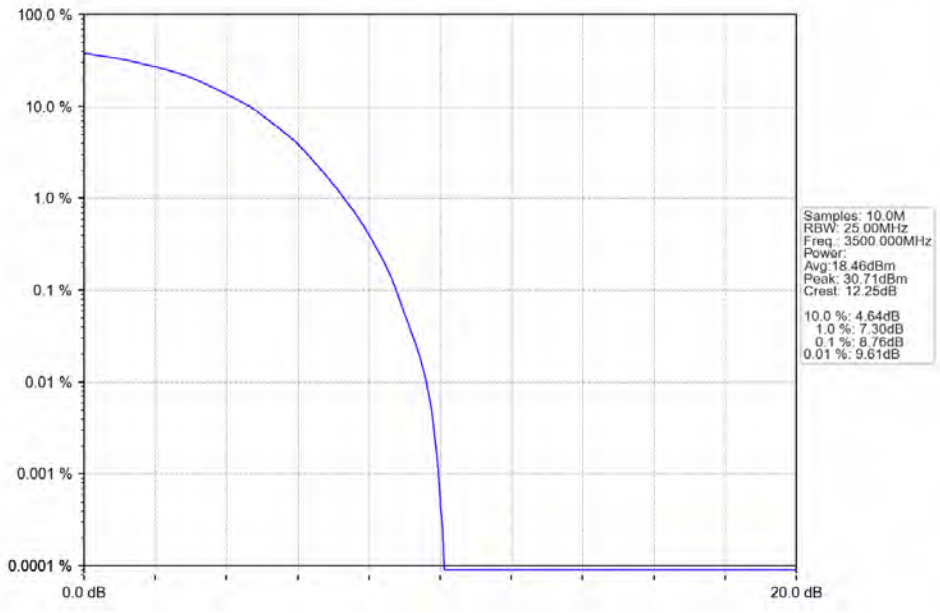
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



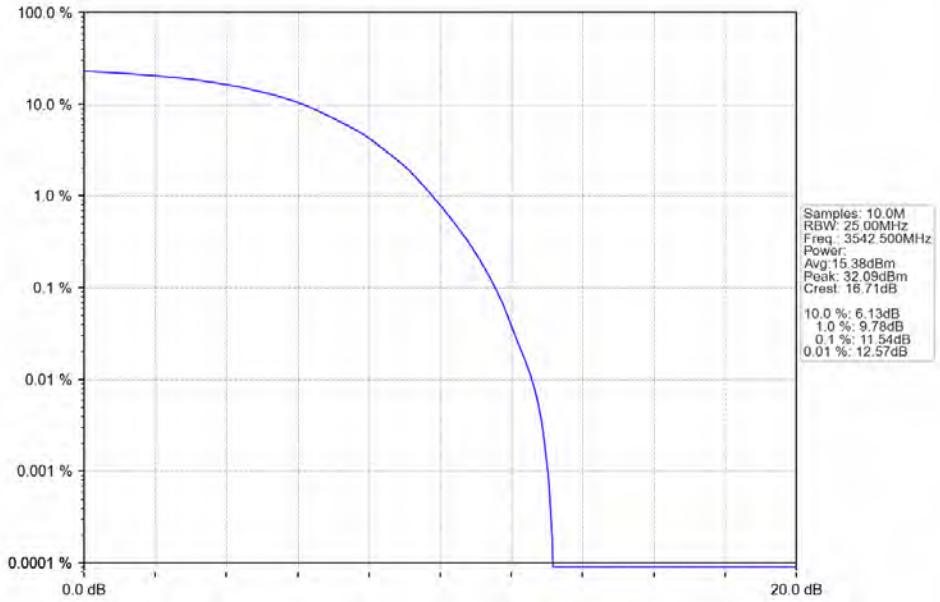
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



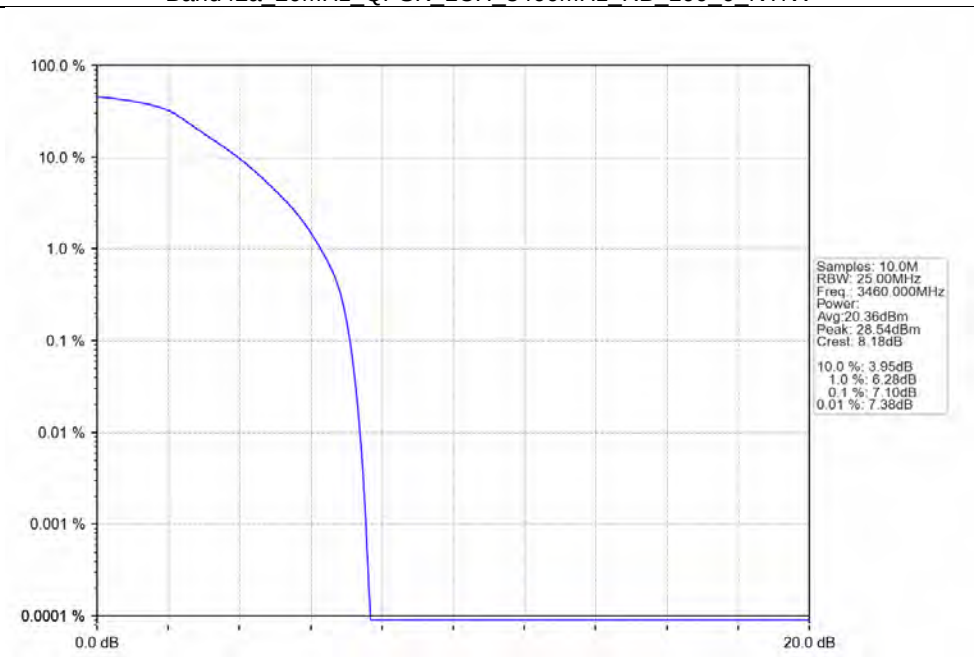
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



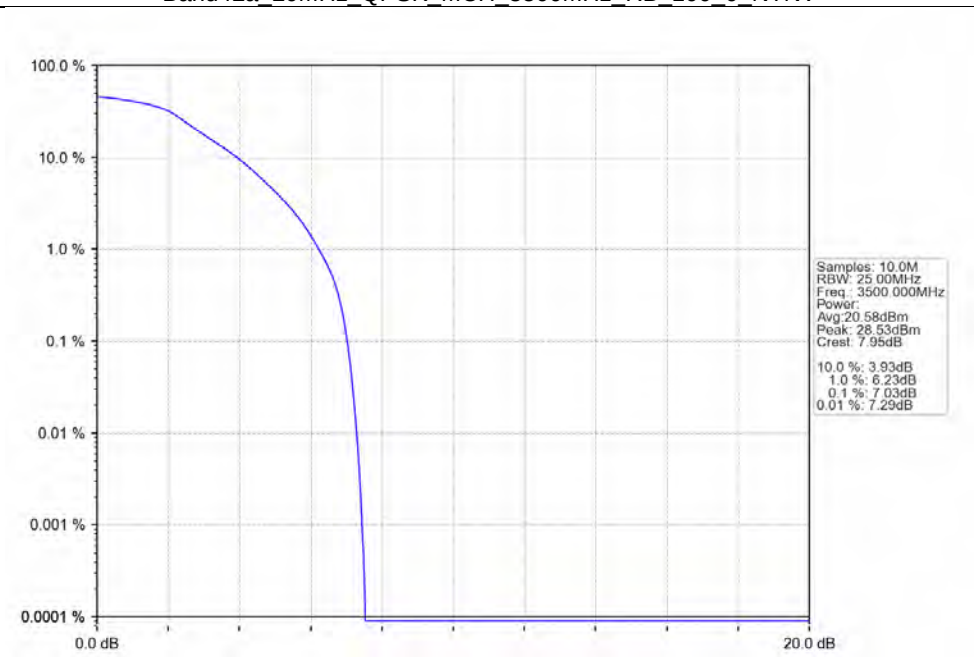
4.4 B42a_20MHz

4.4.2 Test Graph

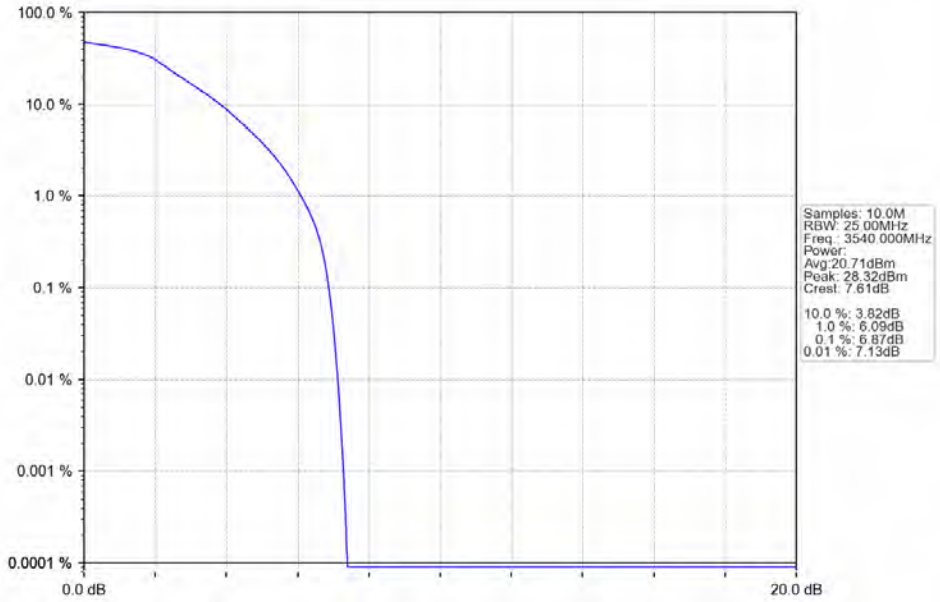
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



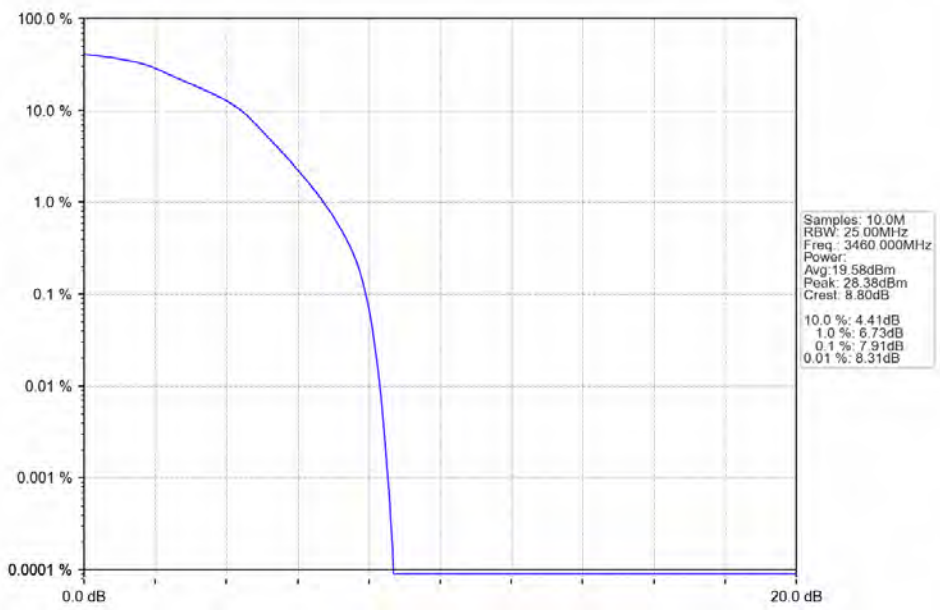
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



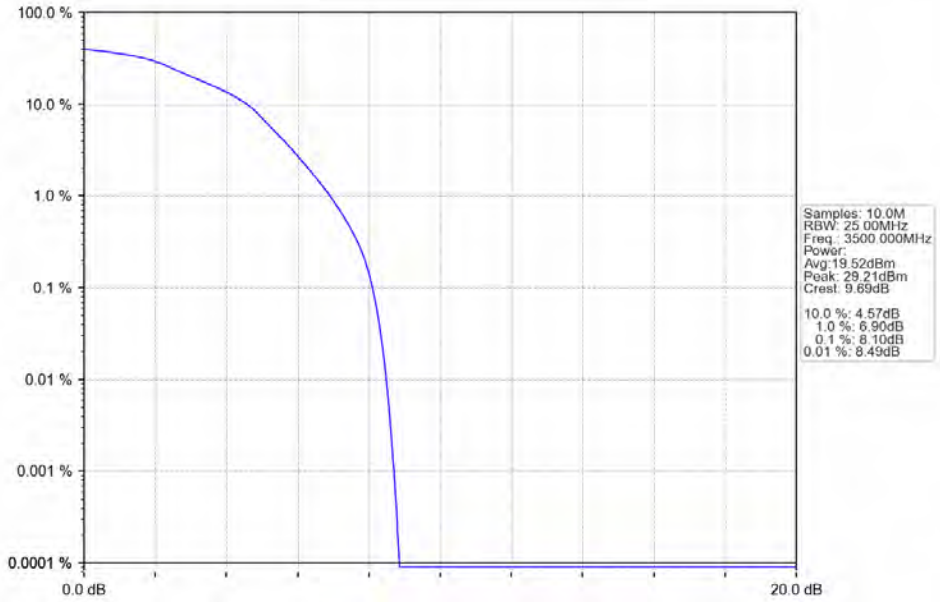
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



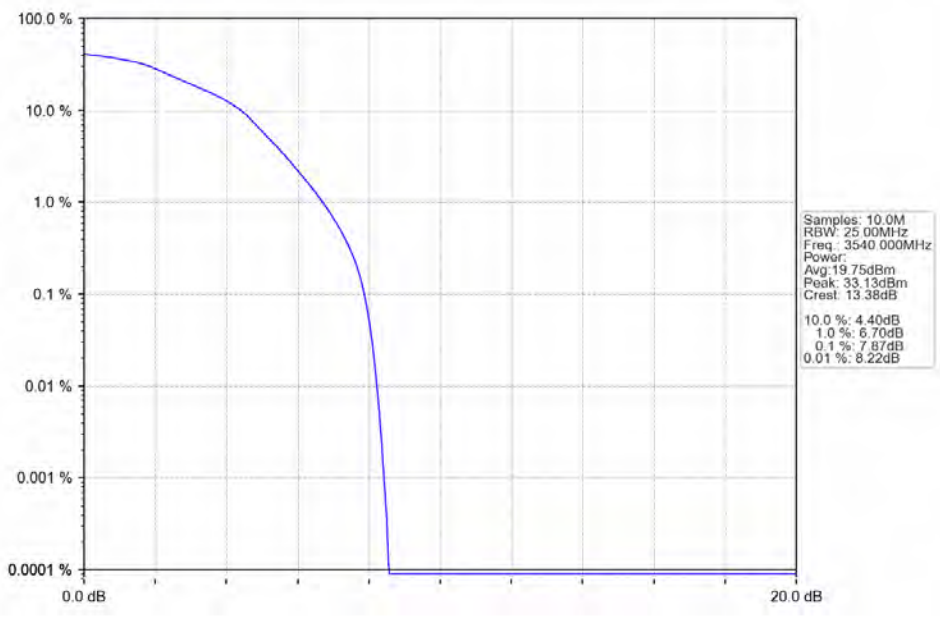
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



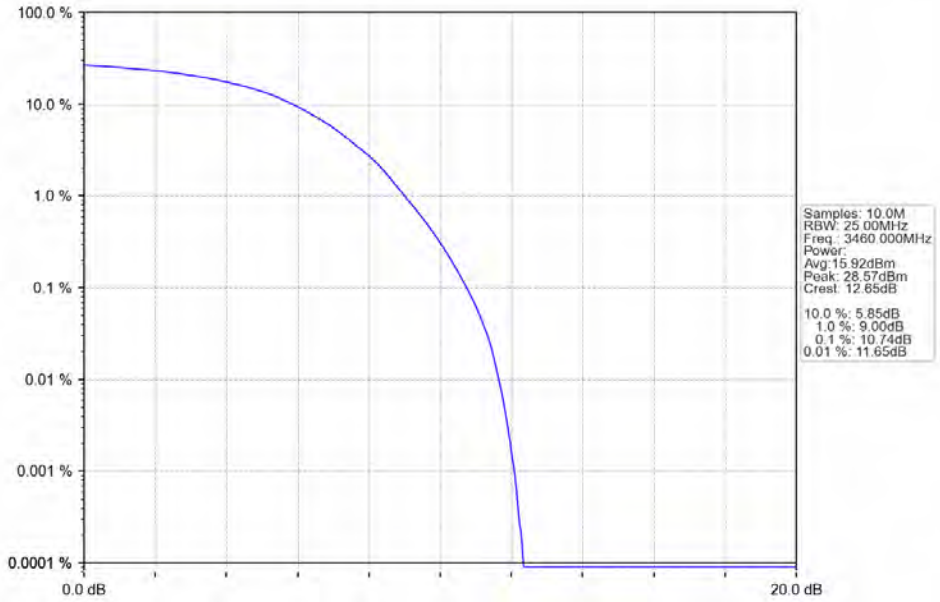
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



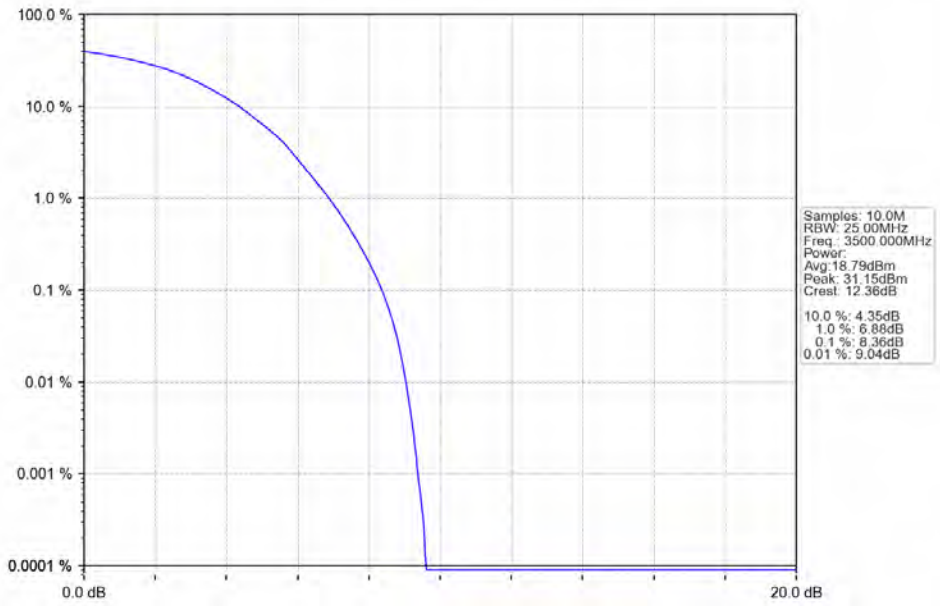
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



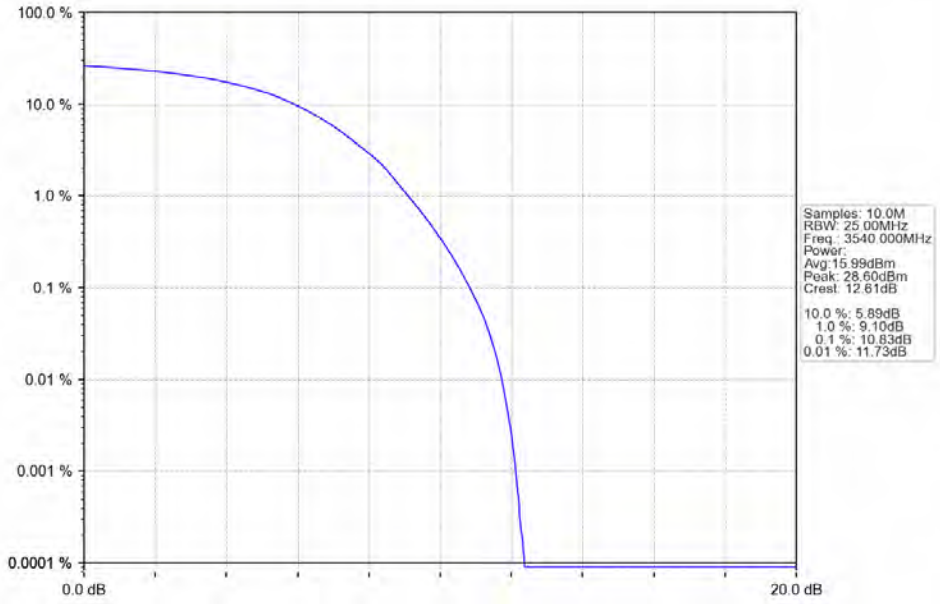
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 B42a_5MHz

5.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3547.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.2 B42a_10MHz

5.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3545	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.3 B42a_15MHz

5.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.4 B42a_20MHz

5.4.1 Test Result

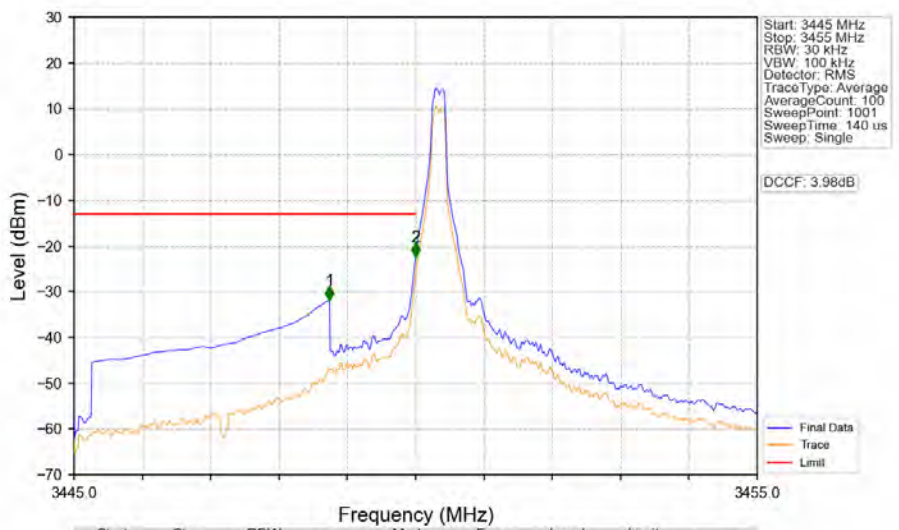
Band: 42a / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.1 B42a_5MHz

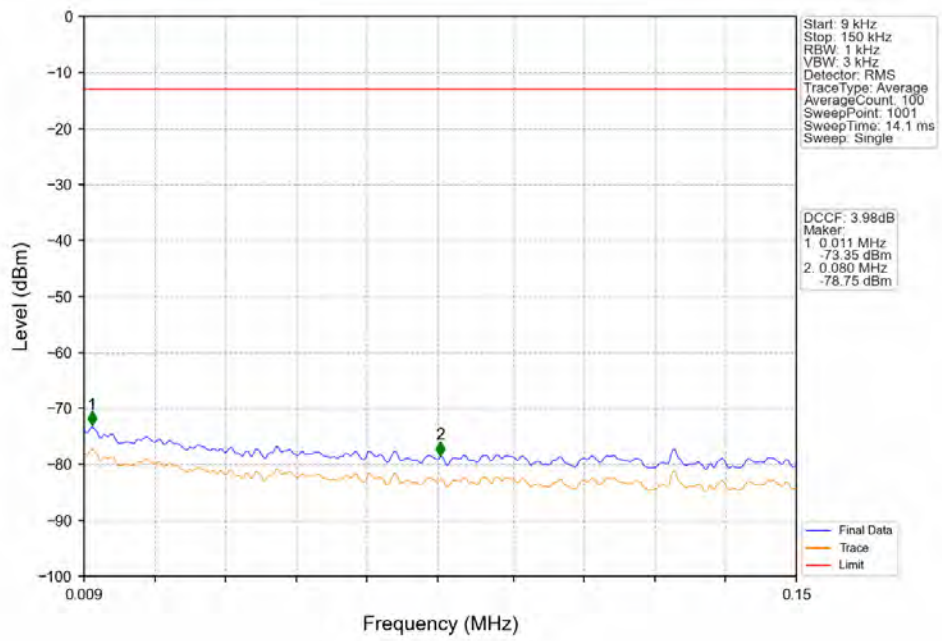
5.1.2 Test Graph

Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

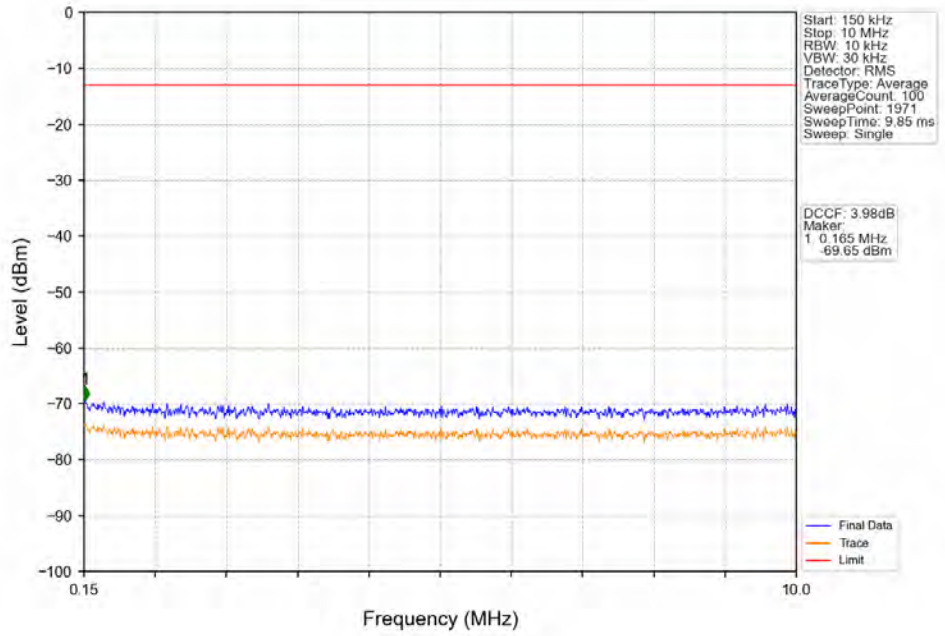


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3448.740	-31.87	-13	Pass
3449	3450	0.03	/	2	3450.000	-22.38	-13	Pass
3450	3455	0.03	/	/	/	/	/	/

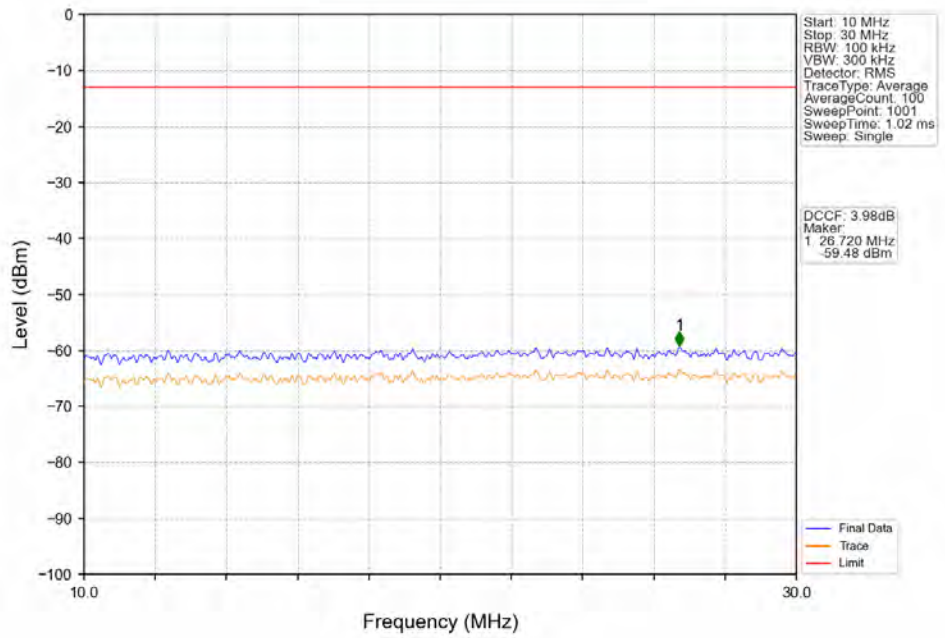
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



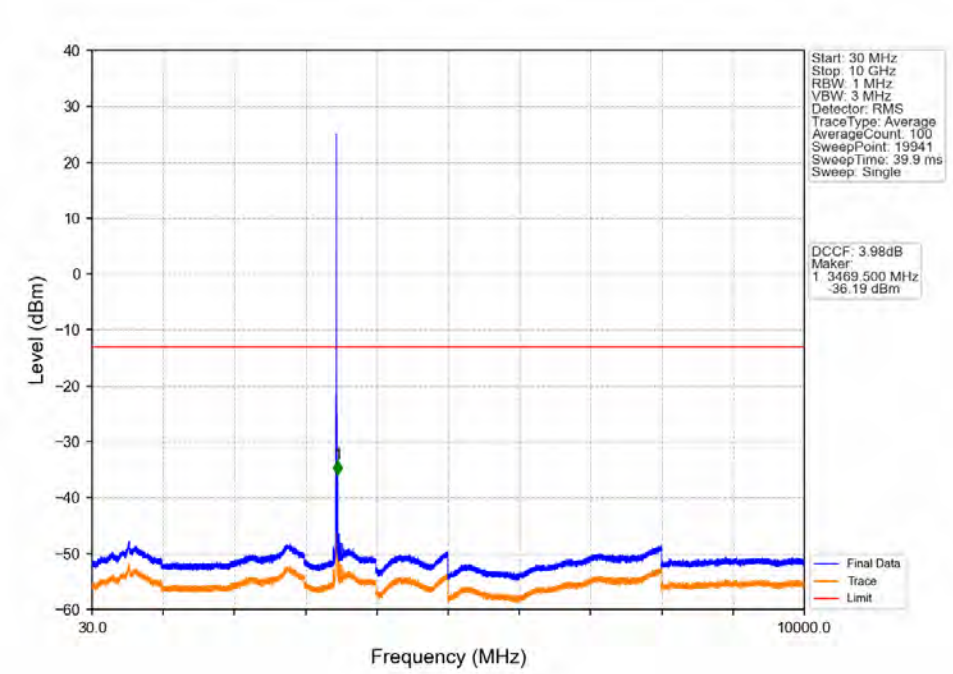
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



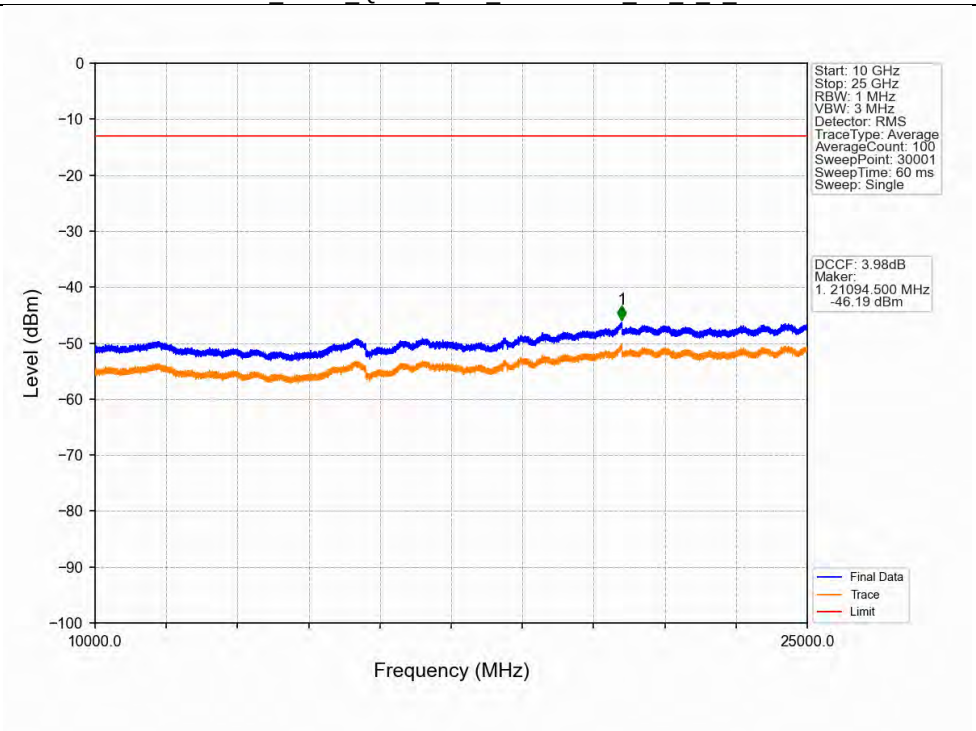
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



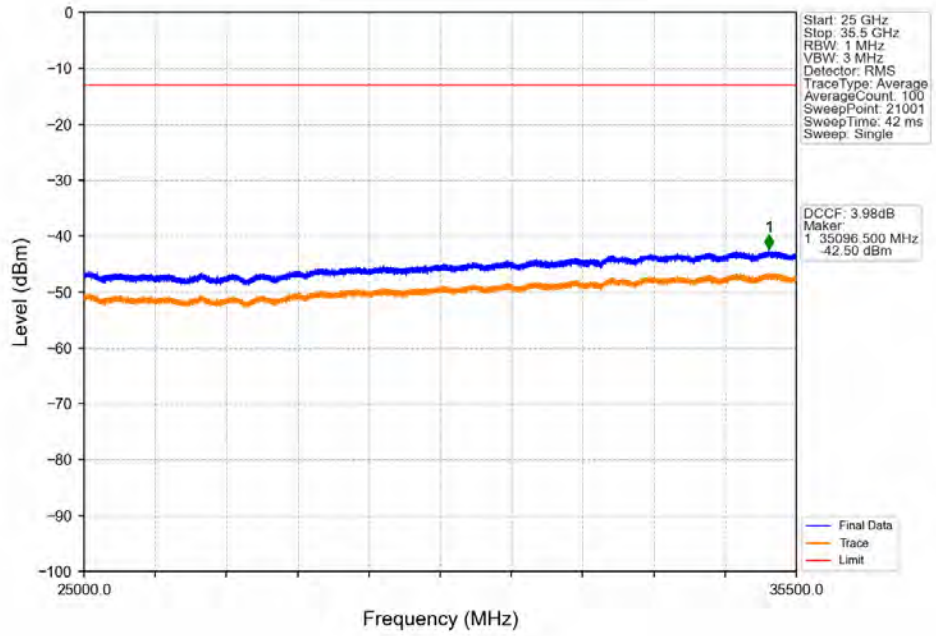
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



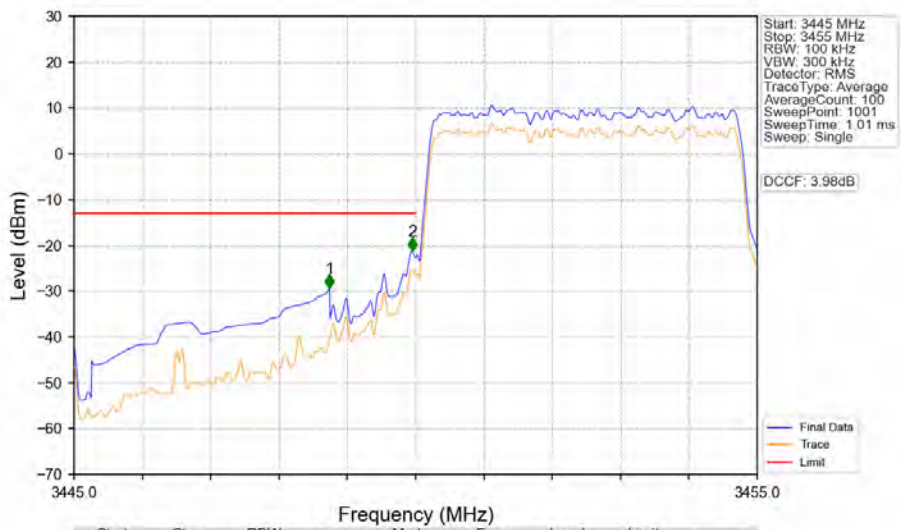
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

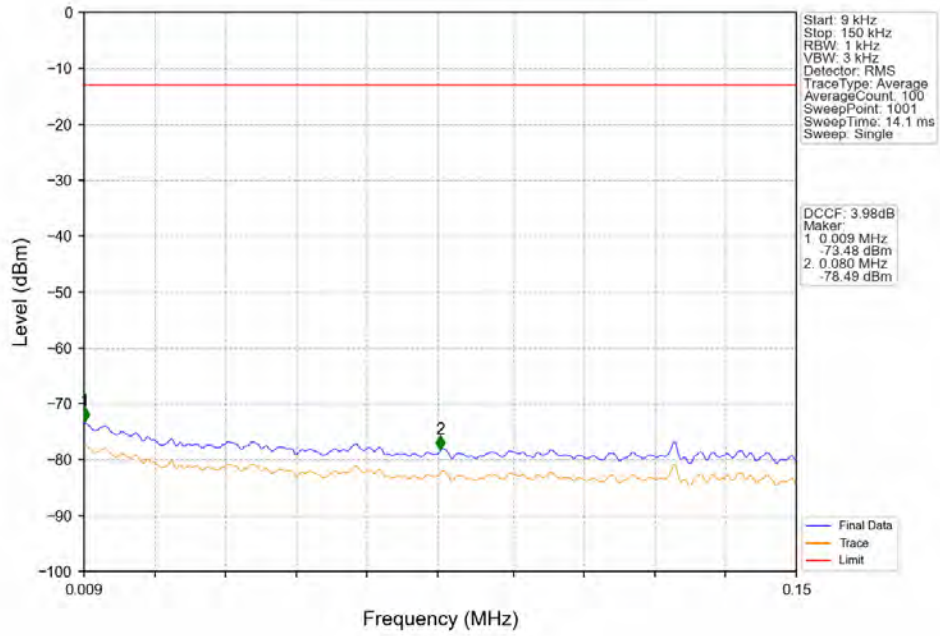


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV

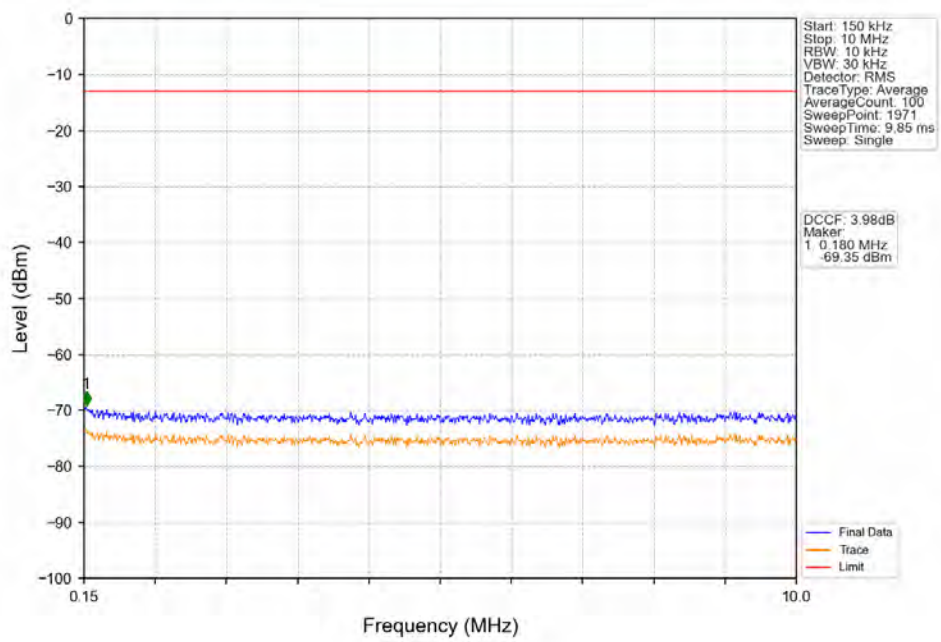


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3448.740	-29.43	-13	Pass
3449	3450	0.1	/	2	3449.950	-21.38	-13	Pass
3450	3455	0.1	/	/	/	/	/	/

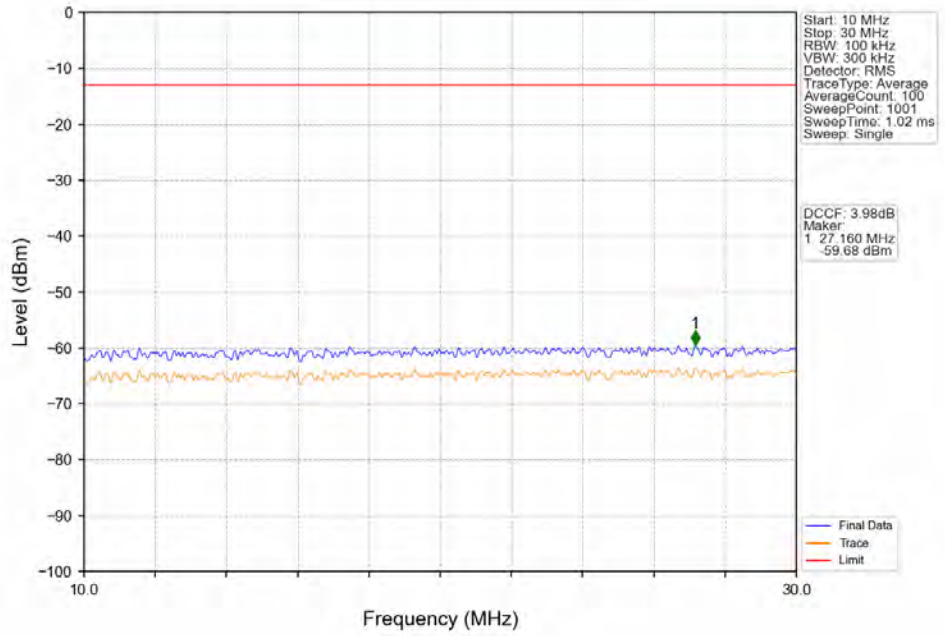
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



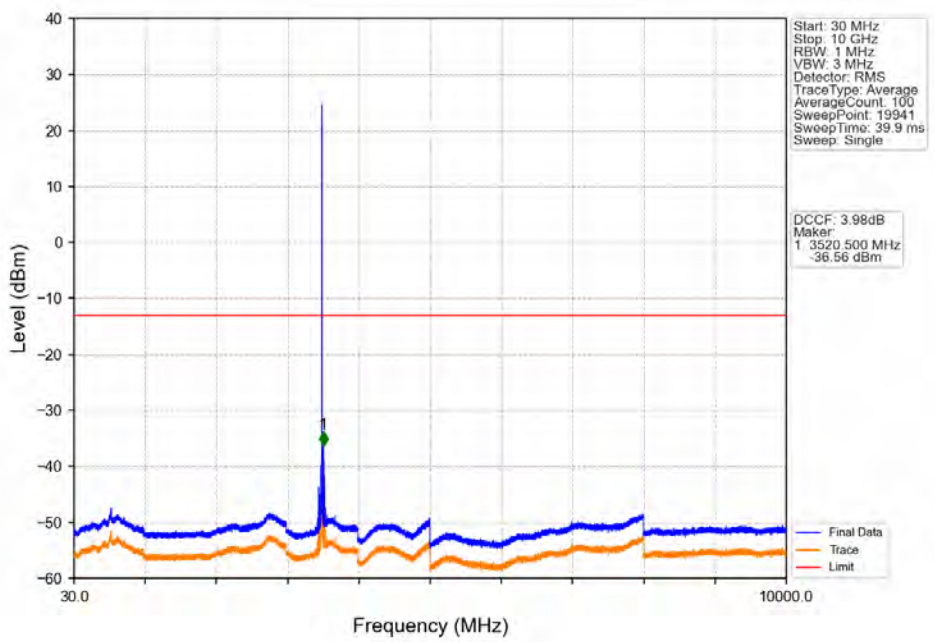
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



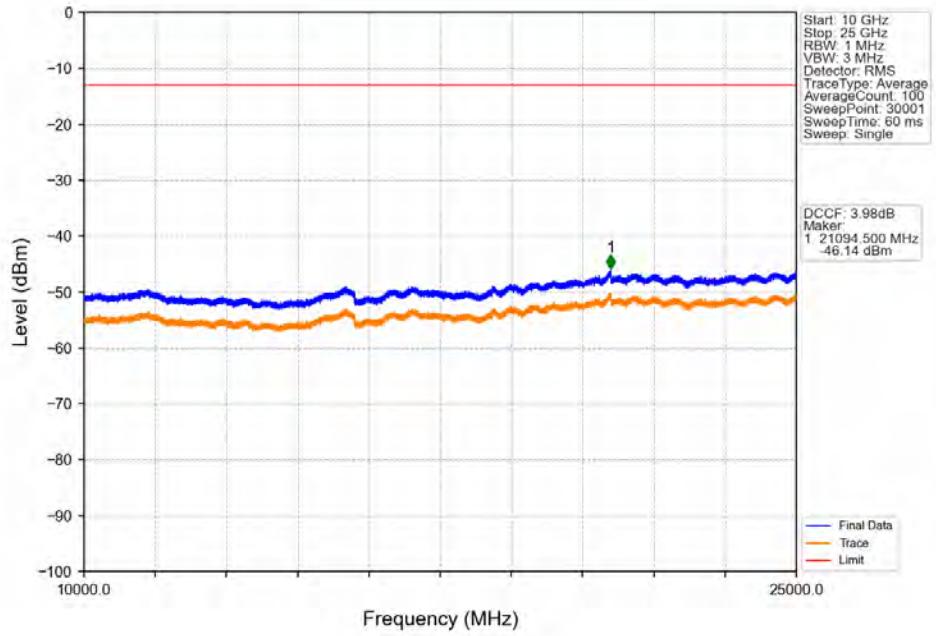
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



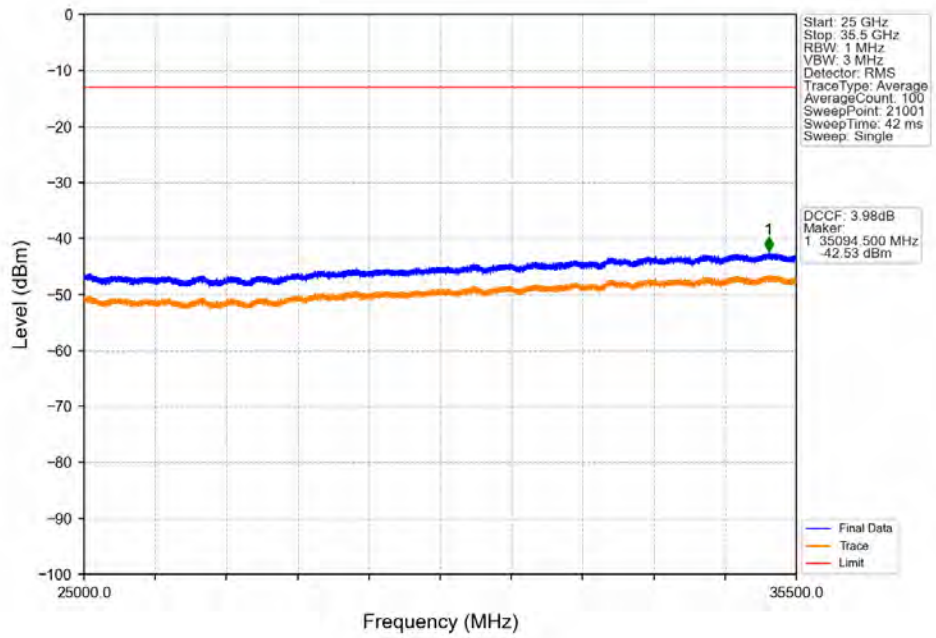
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



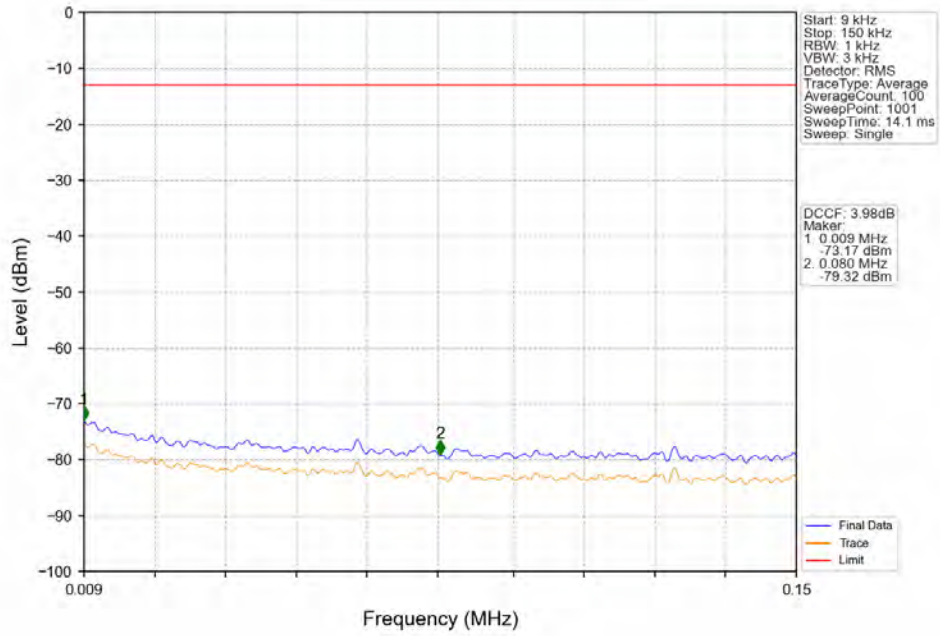
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



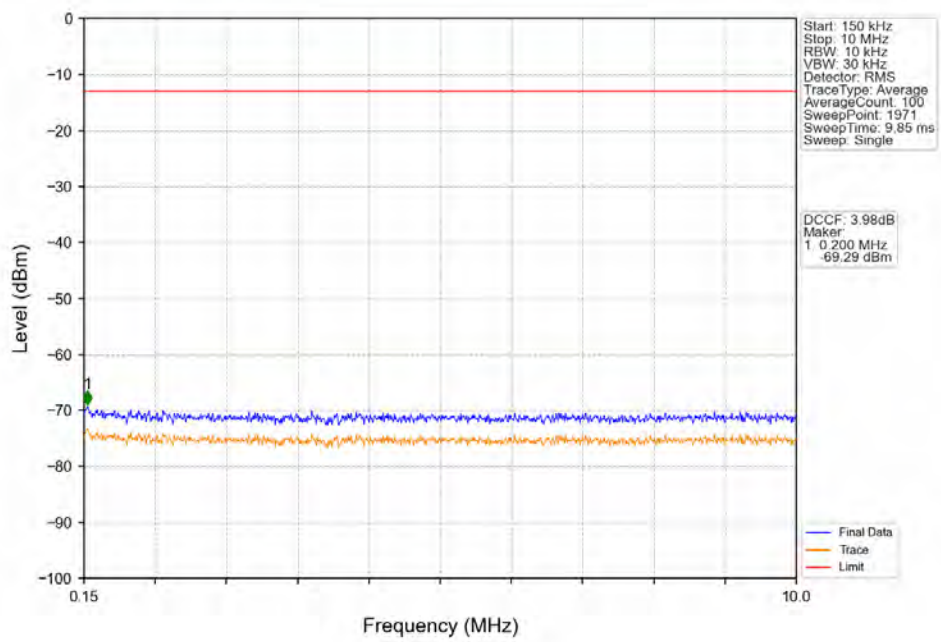
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



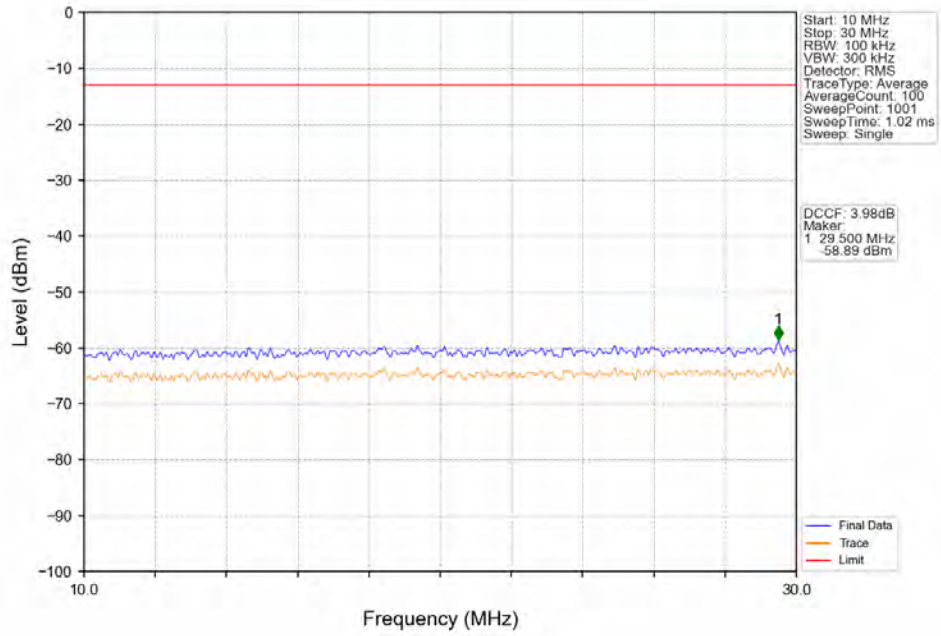
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



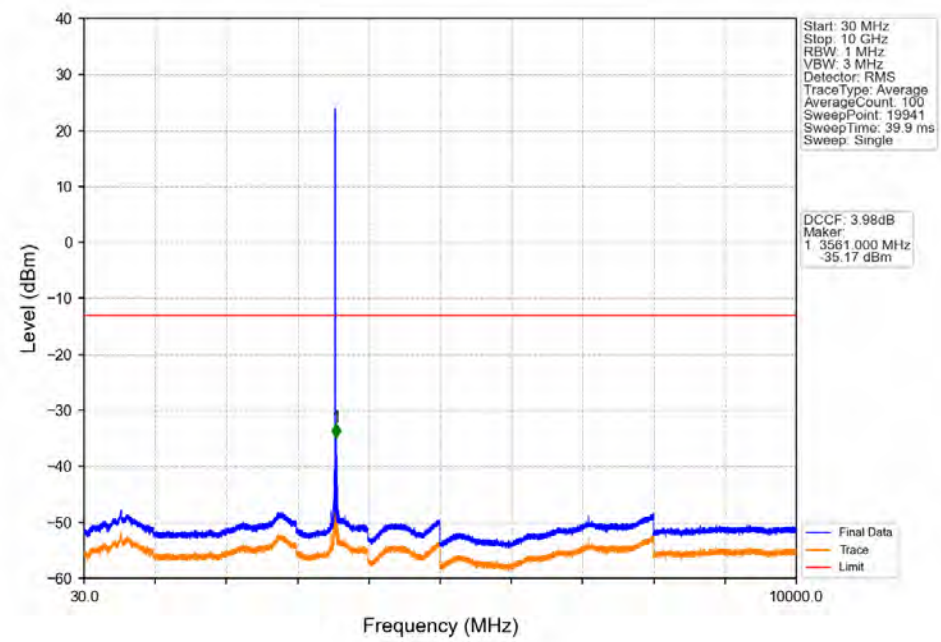
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



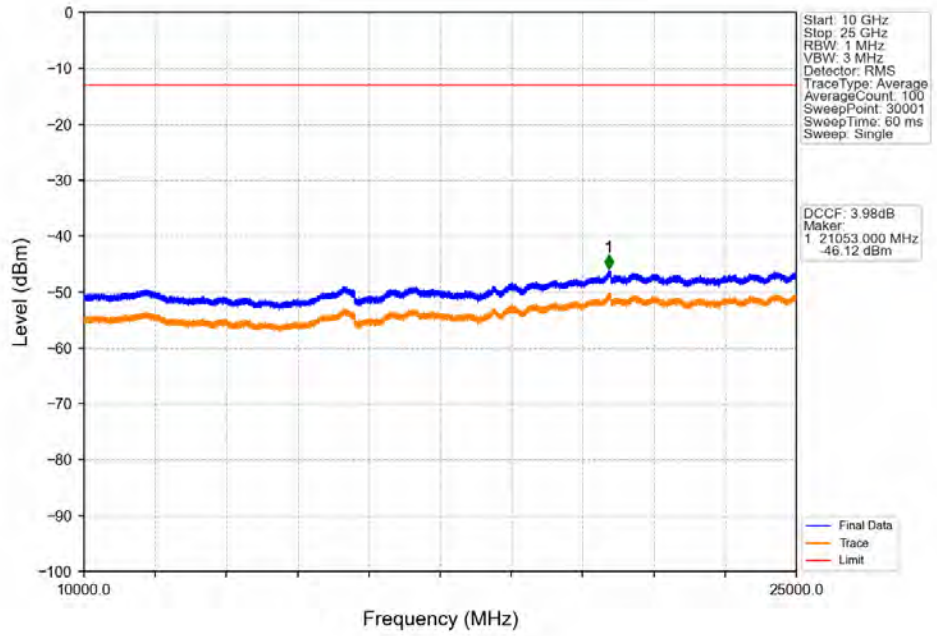
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



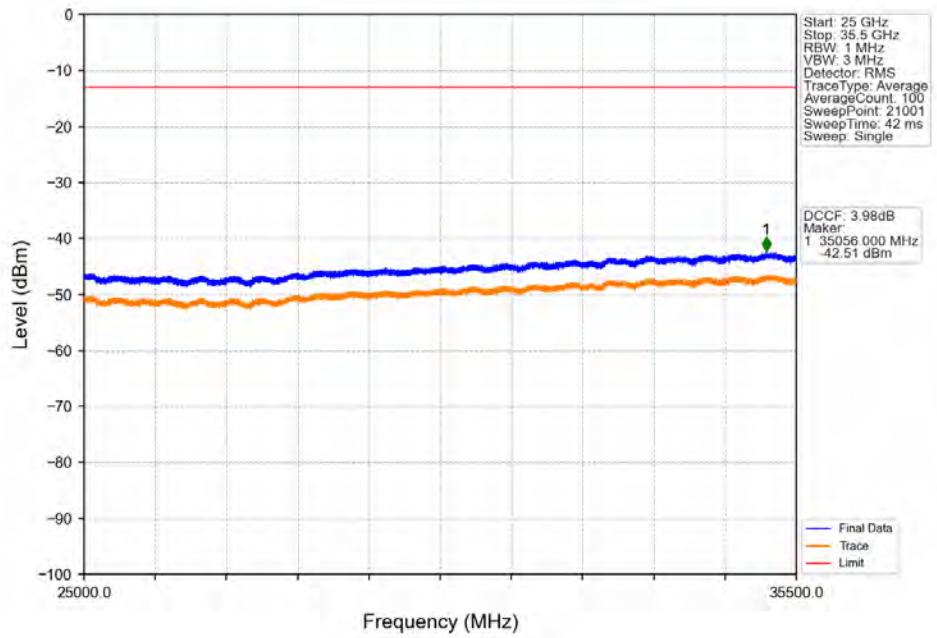
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



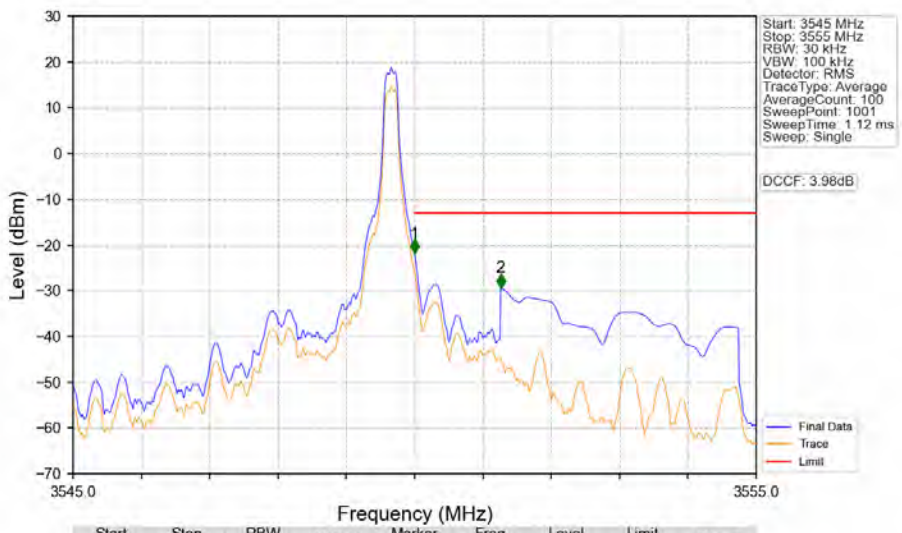
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV

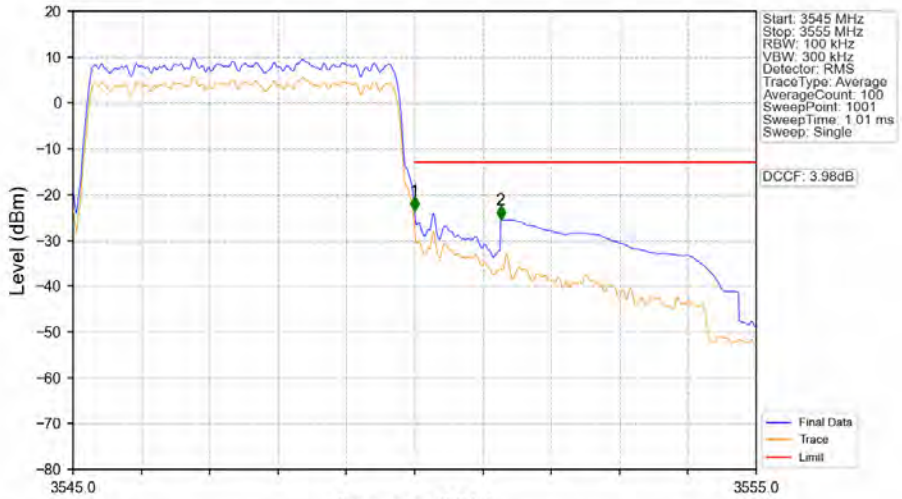


Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3545	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	1	3550.000	-21.91	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-29.36	-13	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV

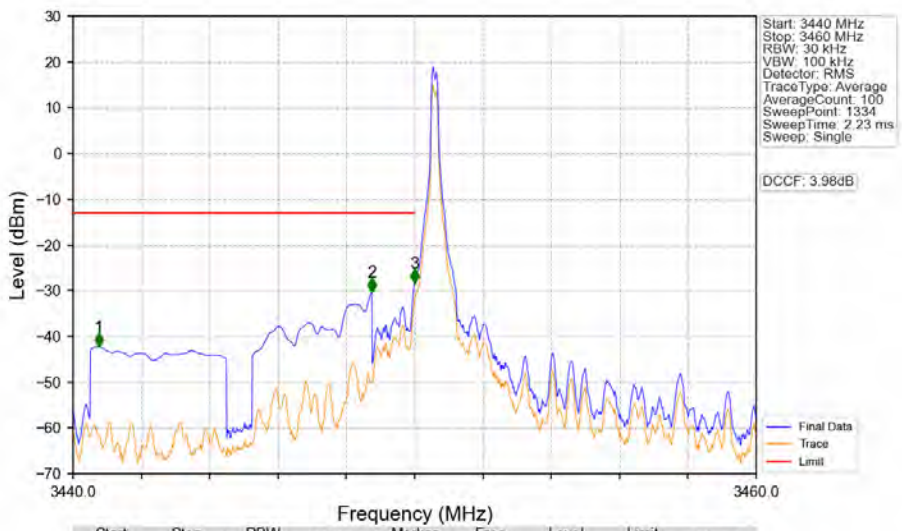


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3545	3550	0.1	/	/	/	/	/	/
3550	3551	0.1	/	1	3550.000	-23.54	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-25.52	-13	Pass

5.2 B42a_10MHz

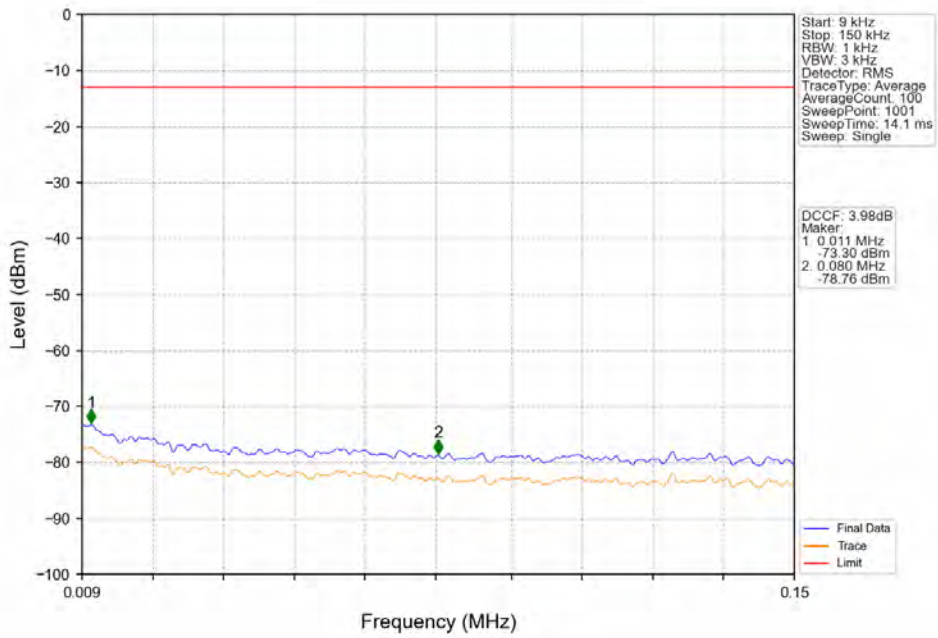
5.2.2 Test Graph

Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

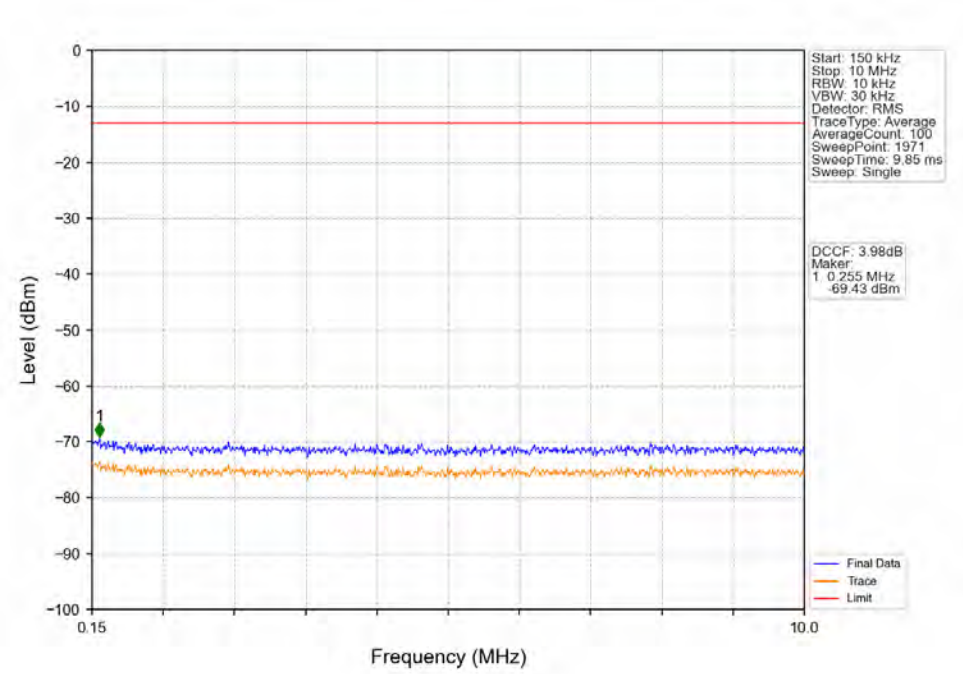


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3440	3445	1	CHP	1	3440.750	-42.31	-13	Pass
3445	3449	0.5	CHP	2	3448.747	-30.28	-13	Pass
3449	3450	0.03	/	3	3449.992	-28.40	-13	Pass
3450	3460	0.03	/	/	/	/	/	/

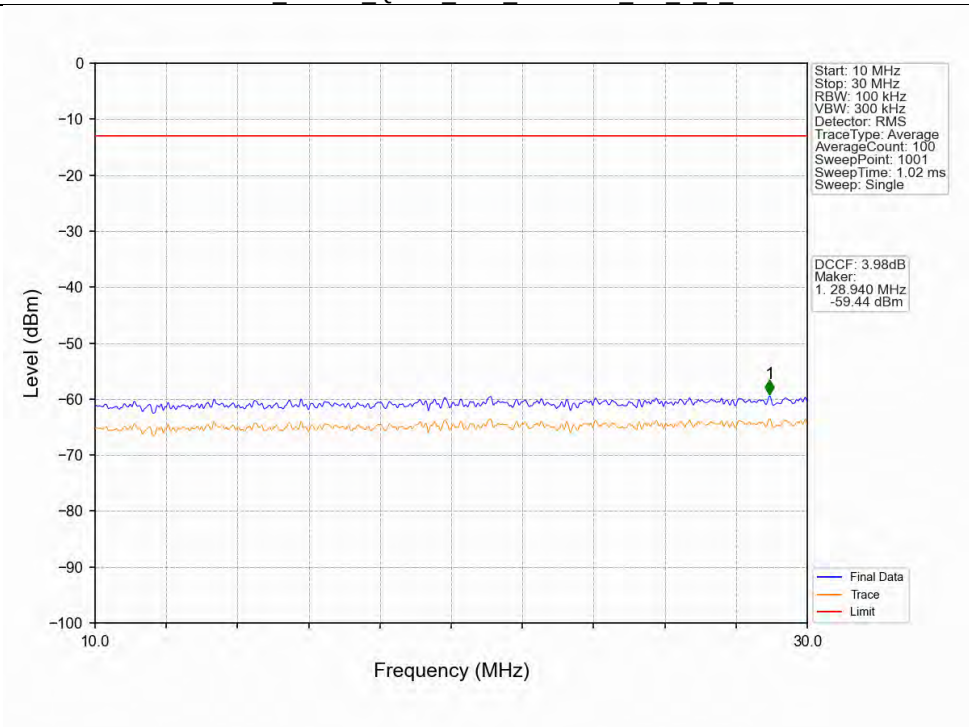
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



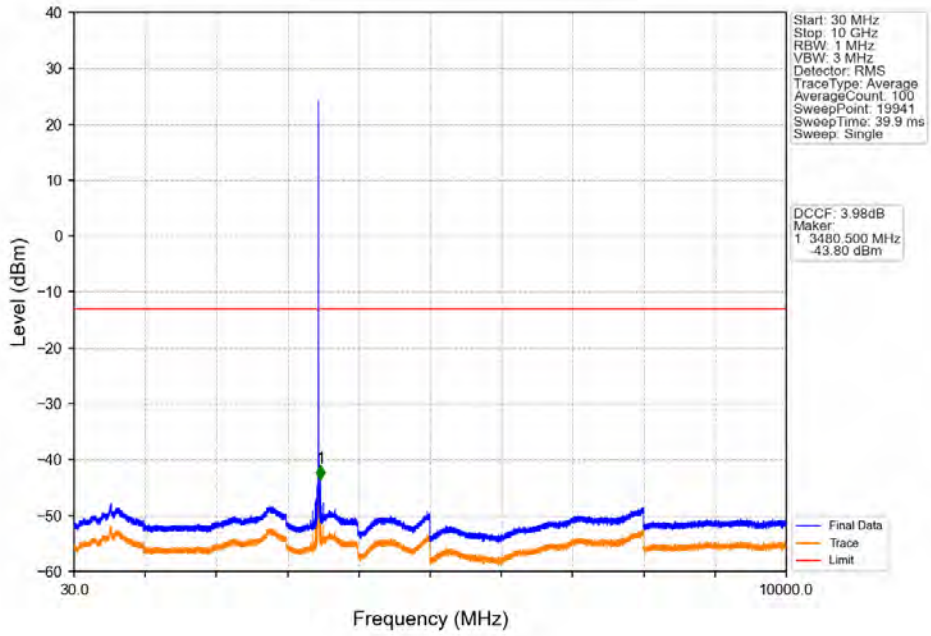
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



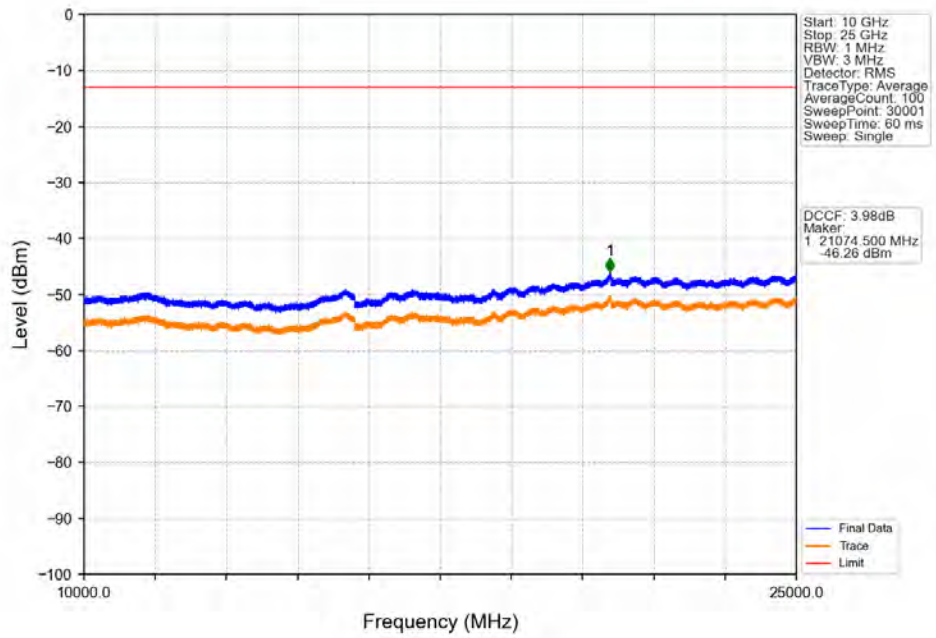
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



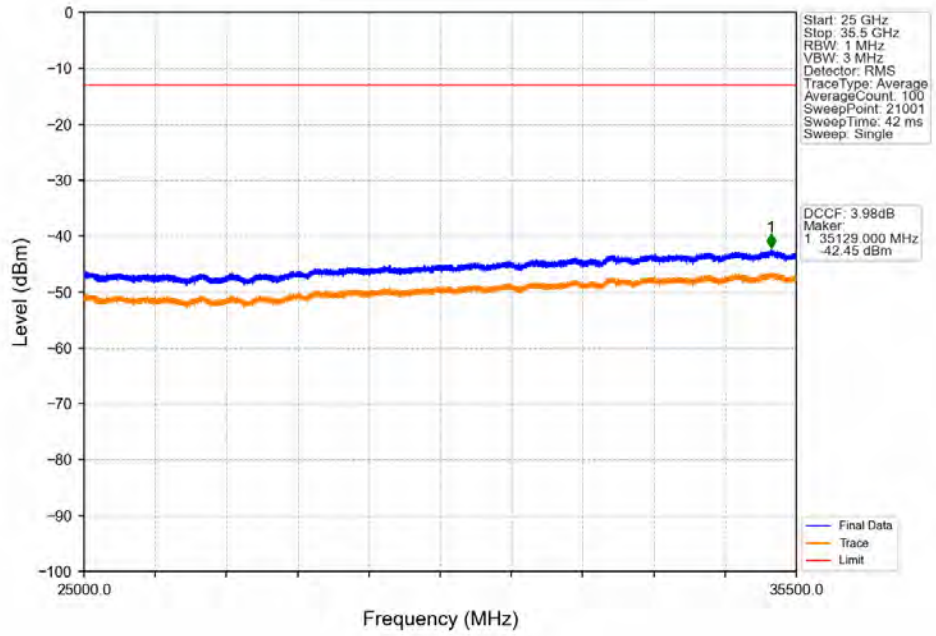
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



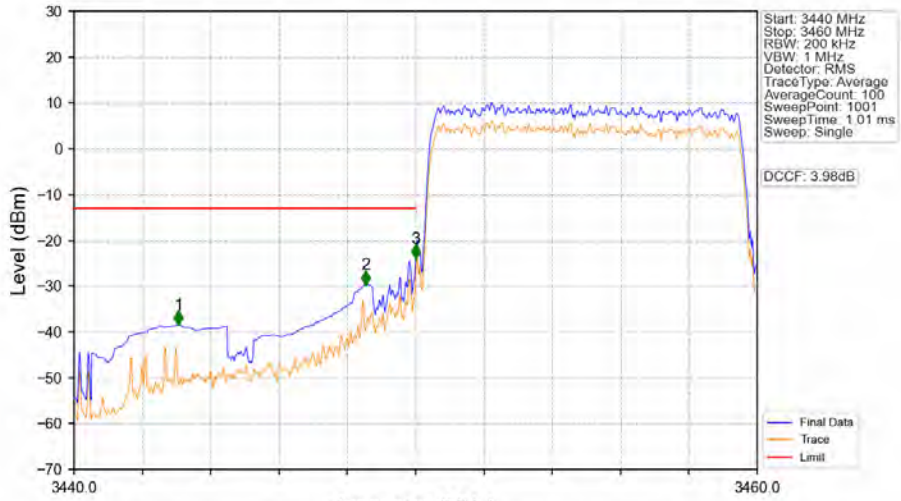
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

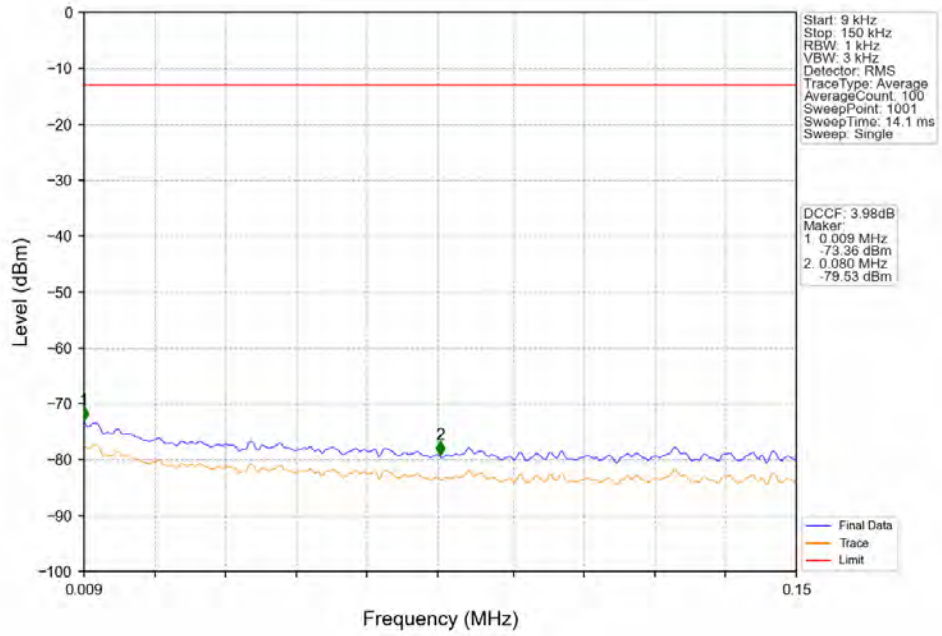


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

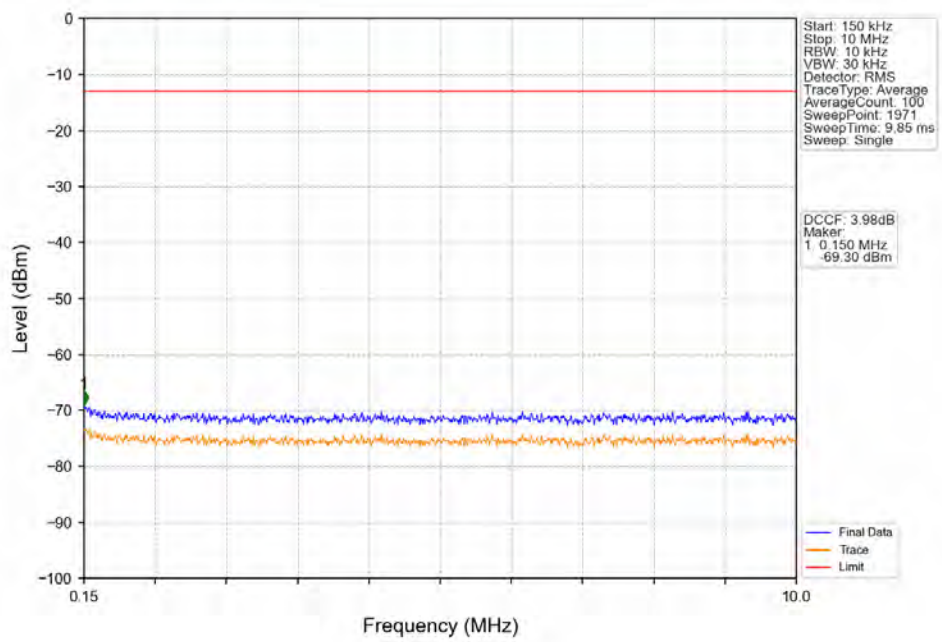


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3440	3445	1	CHP	1	3443.060	-38.51	-13	Pass
3445	3449	0.5	CHP	2	3448.540	-29.73	-13	Pass
3449	3450	0.2	/	3	3450.000	-24.05	-13	Pass
3450	3460	0.2	/	/	/	/	/	/

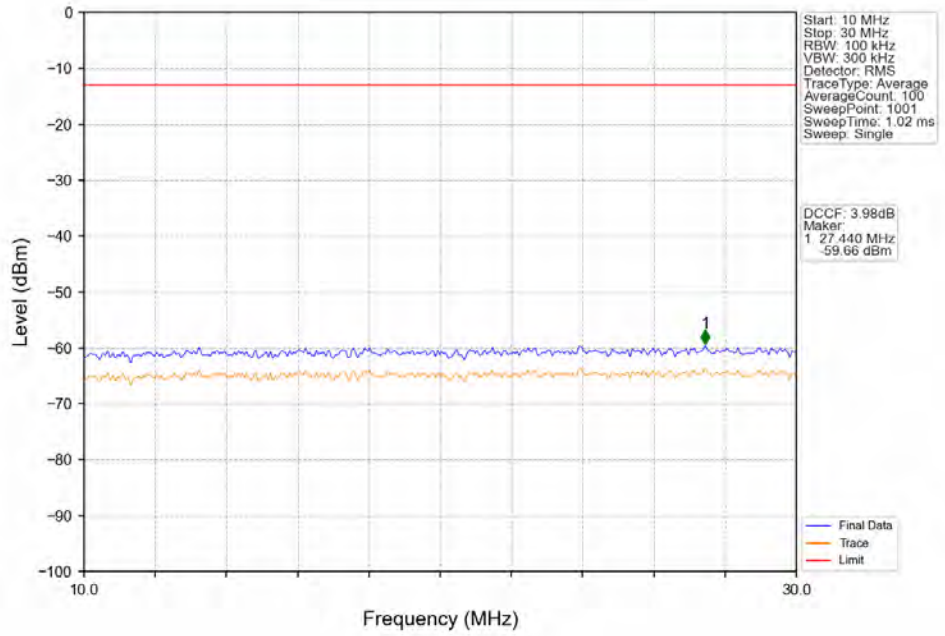
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



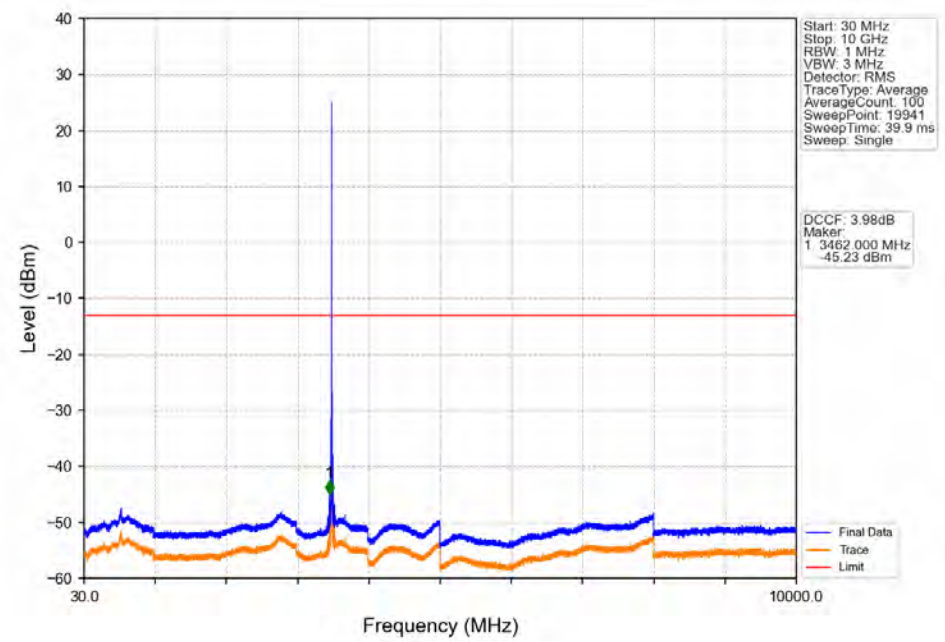
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



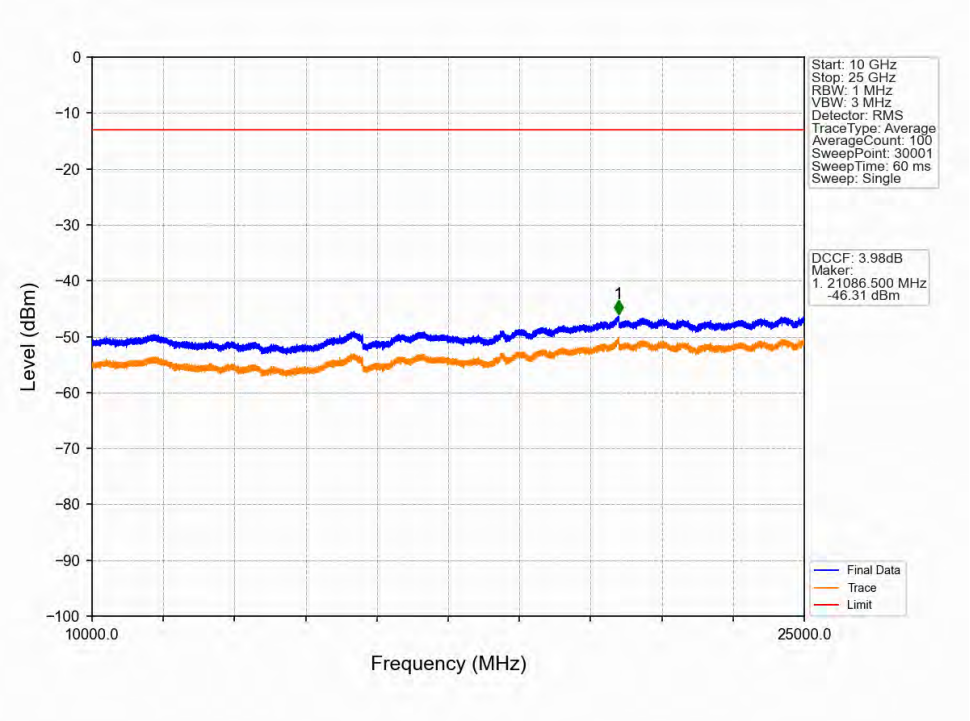
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



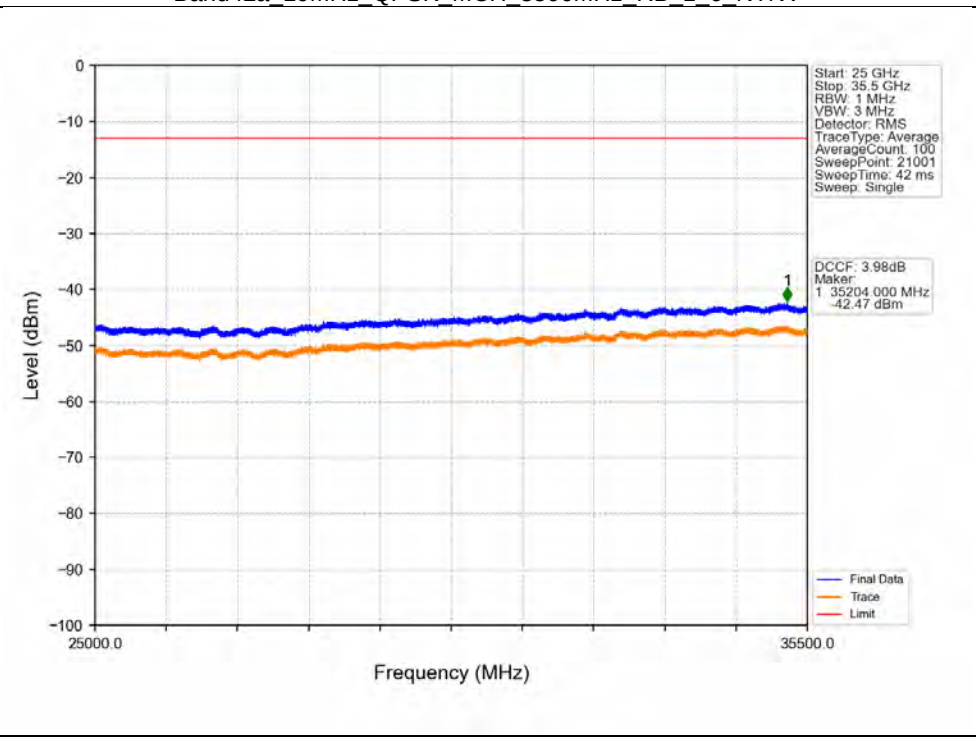
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



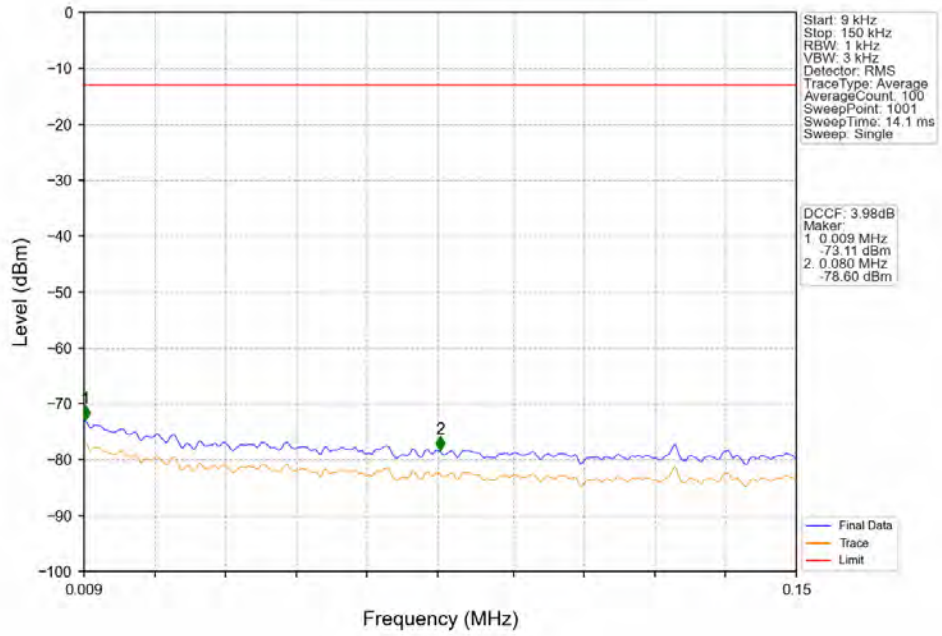
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



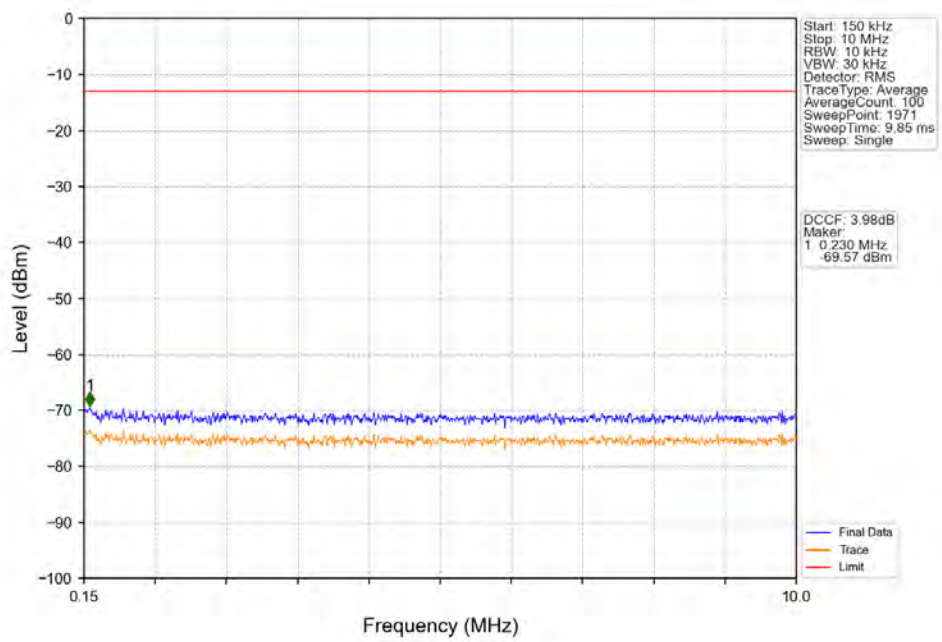
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



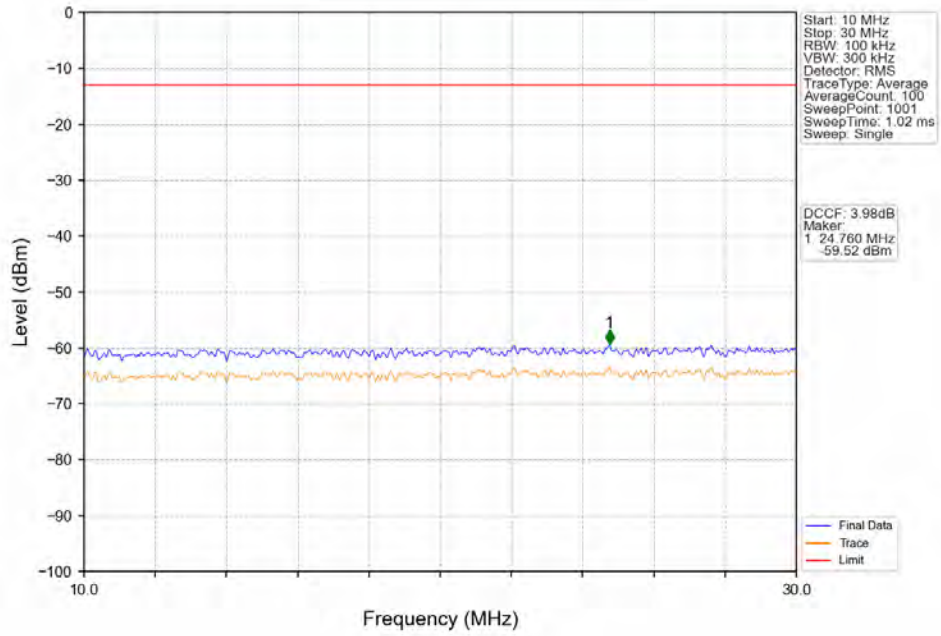
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



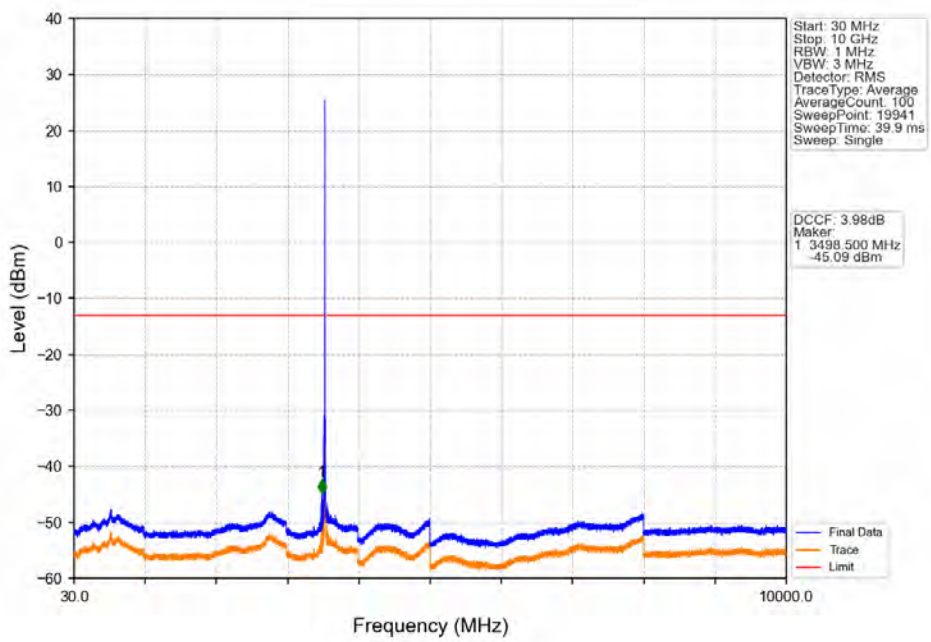
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



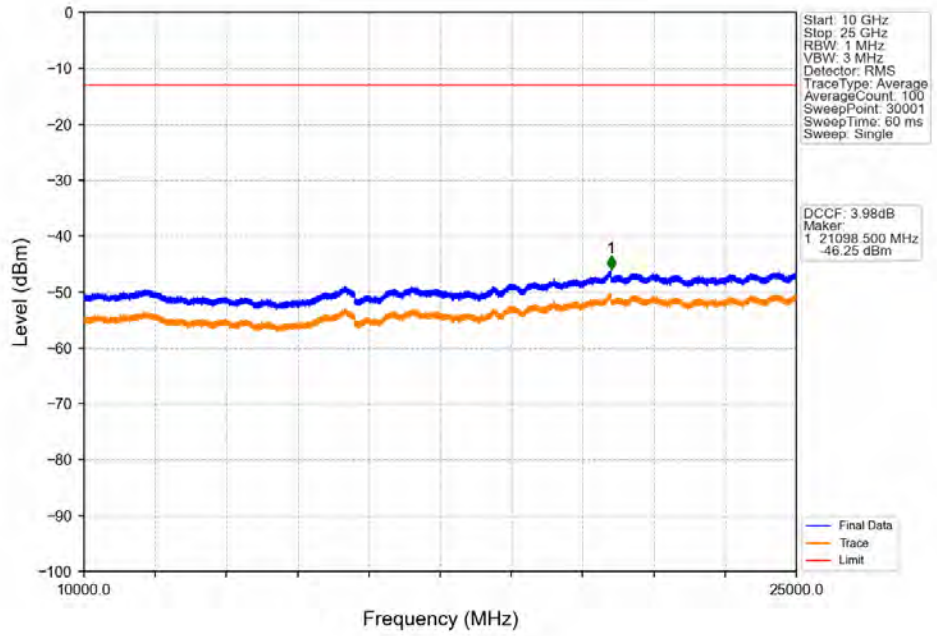
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



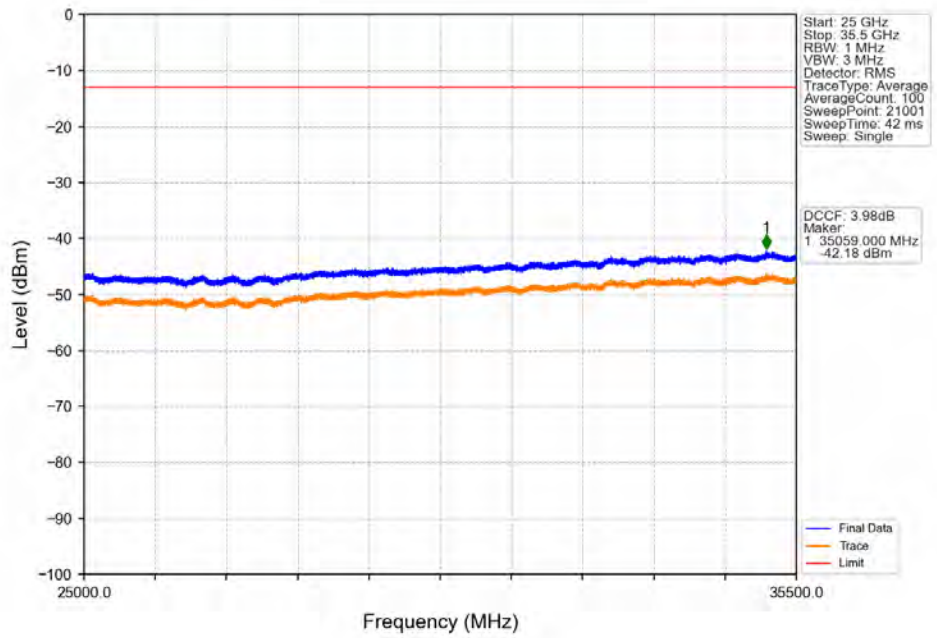
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



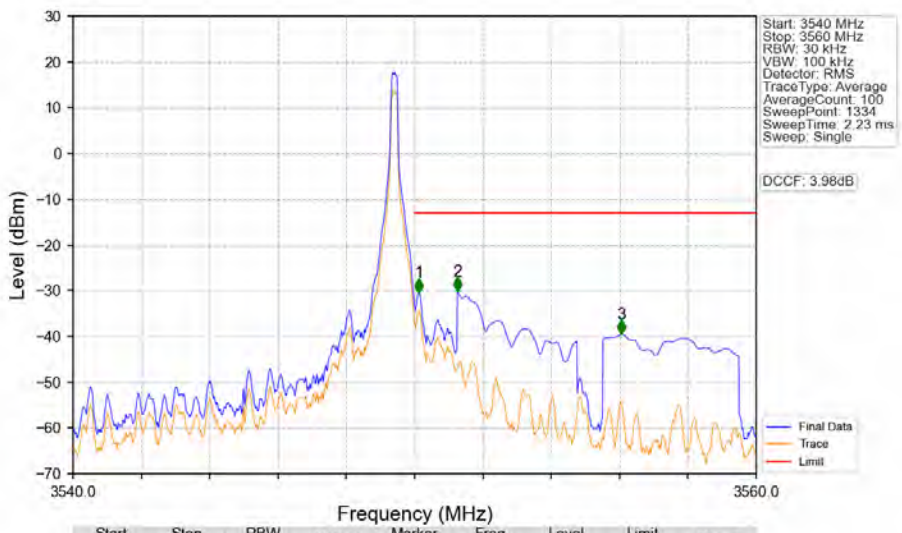
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV

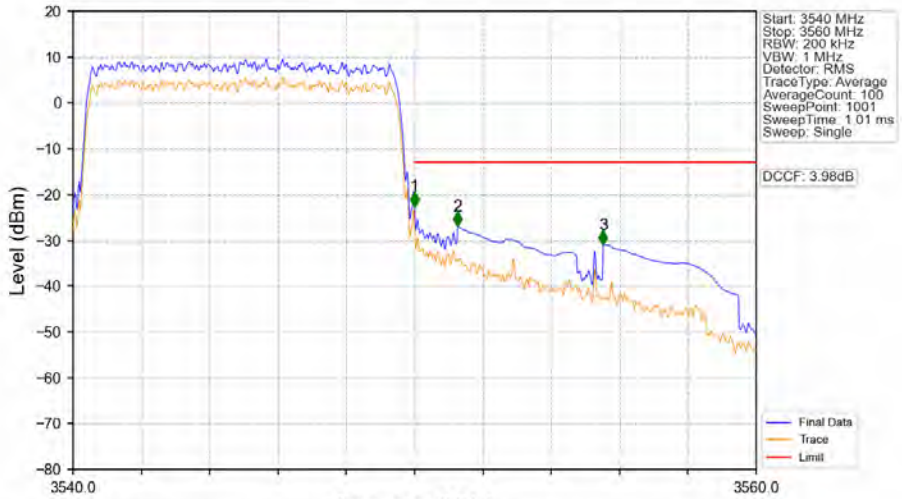


Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	1	3550.128	-30.41	-13	Pass
3551	3555	0.5	CHP	2	3551.253	-30.22	-13	Pass
3555	3560	1	CHP	3	3556.054	-39.55	-13	Pass

Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV

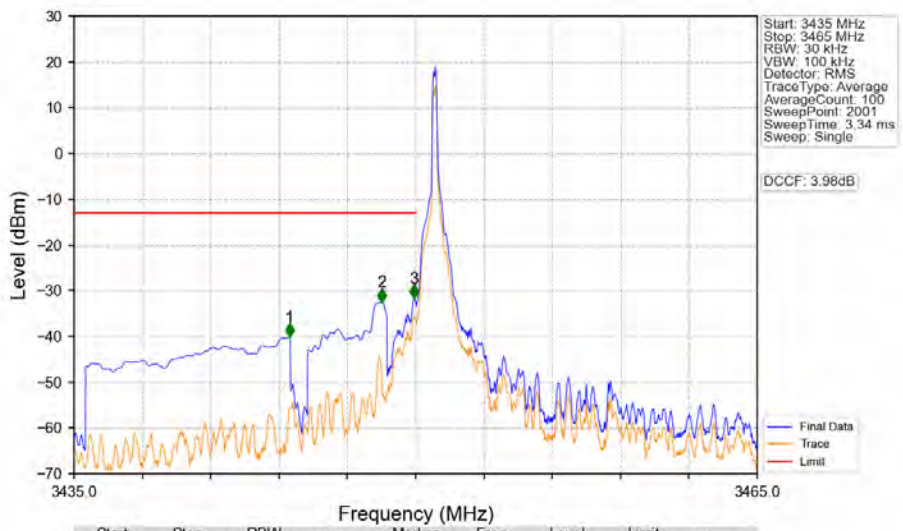


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.000	-22.62	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-26.93	-13	Pass
3555	3560	1	CHP	3	3555.520	-30.97	-13	Pass

5.3 B42a_15MHz

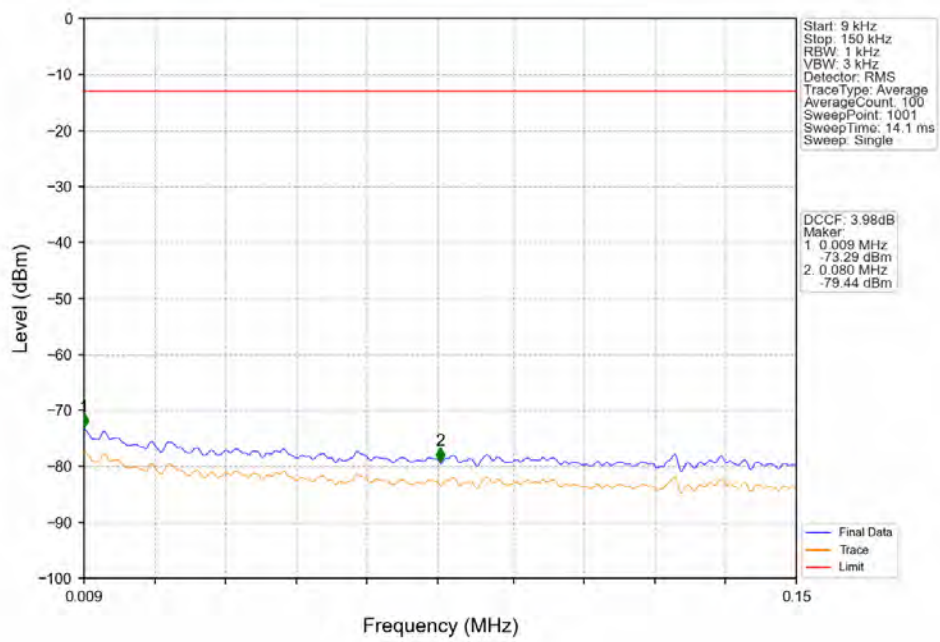
5.3.2 Test Graph

Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

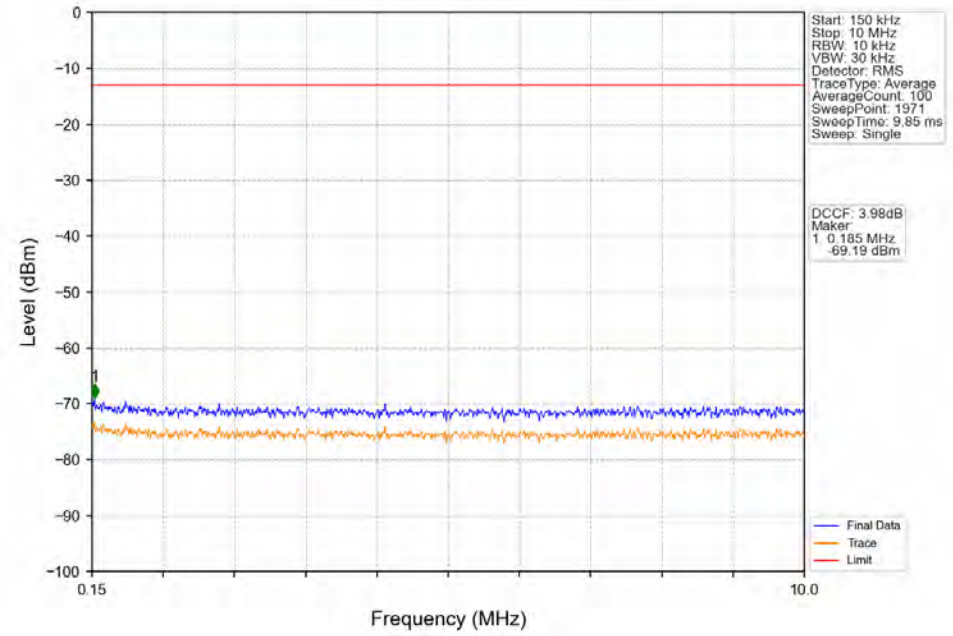


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.465	-40.22	-13	Pass
3445	3449	0.5	CHP	2	3448.515	-32.53	-13	Pass
3449	3450	0.03	/	3	3449.940	-31.73	-13	Pass
3450	3465	0.03	/	/	/	/	/	/

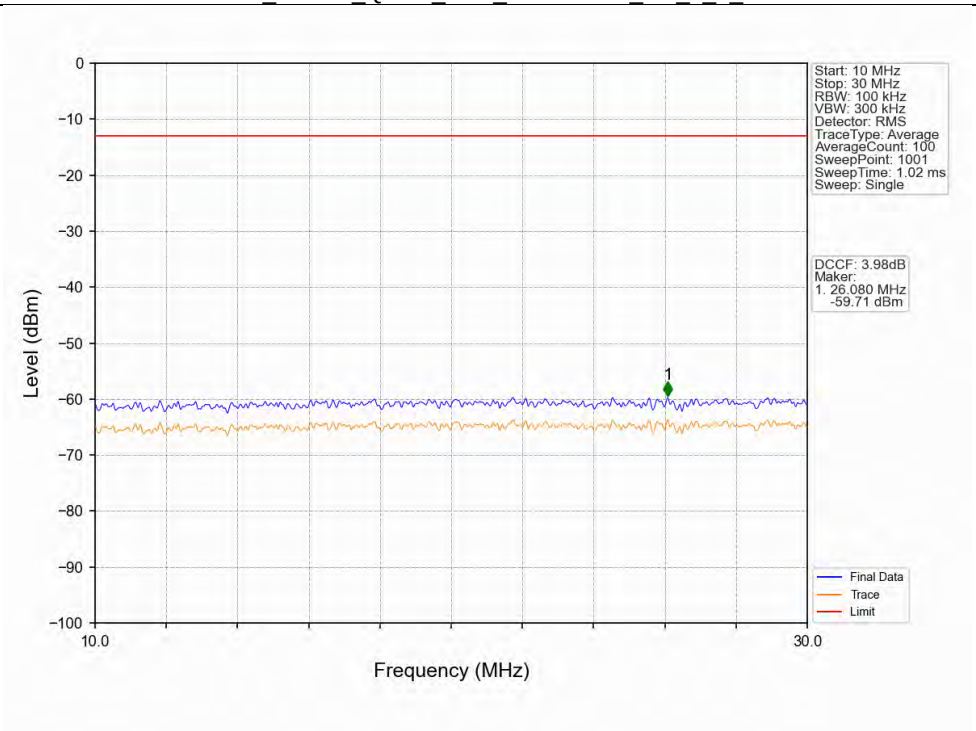
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



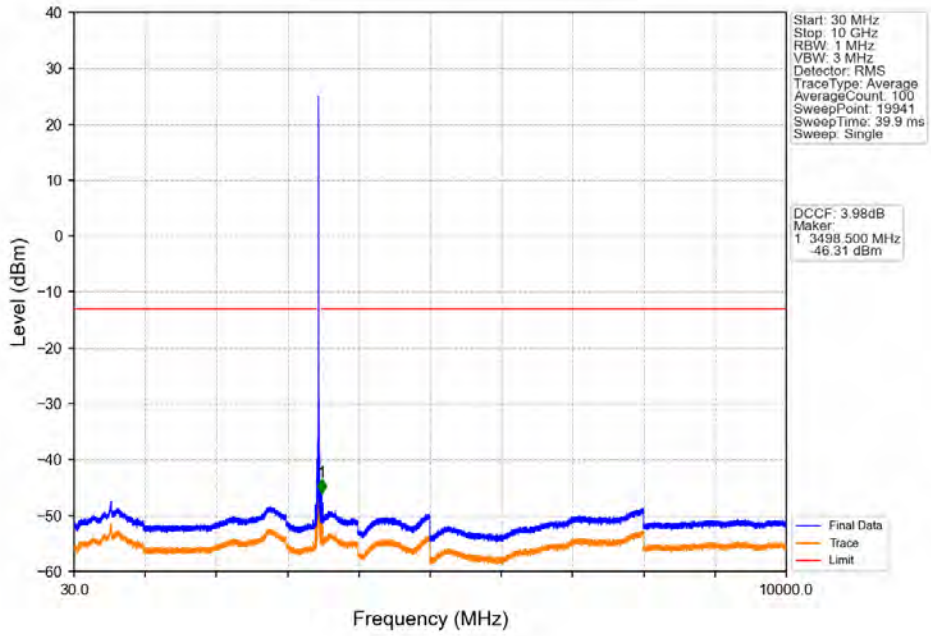
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



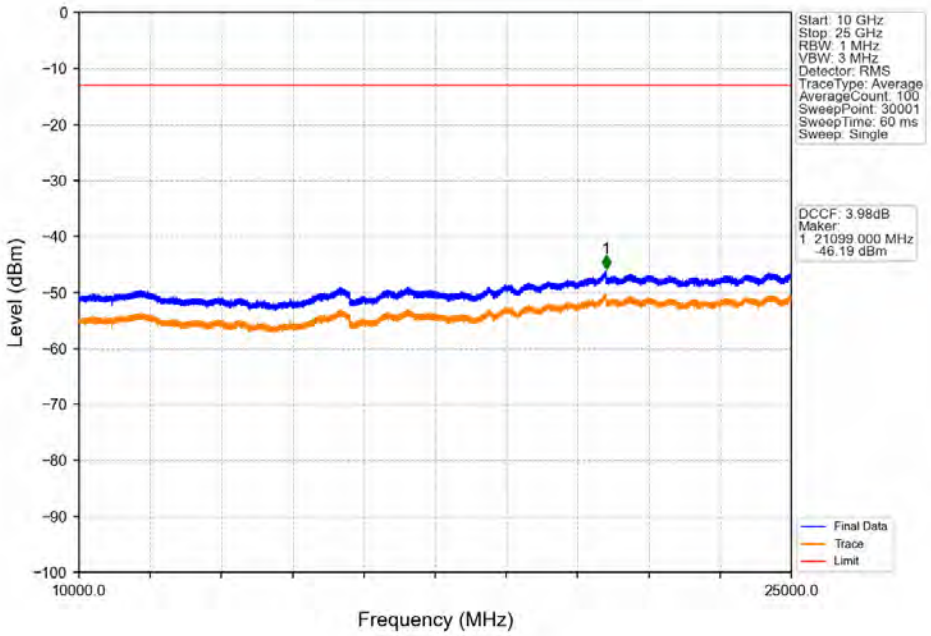
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



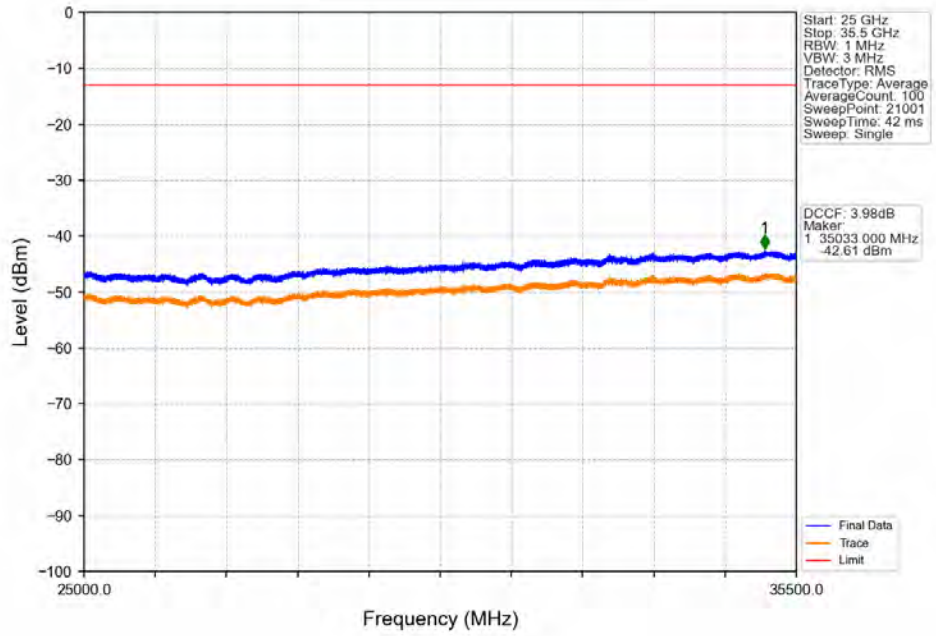
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



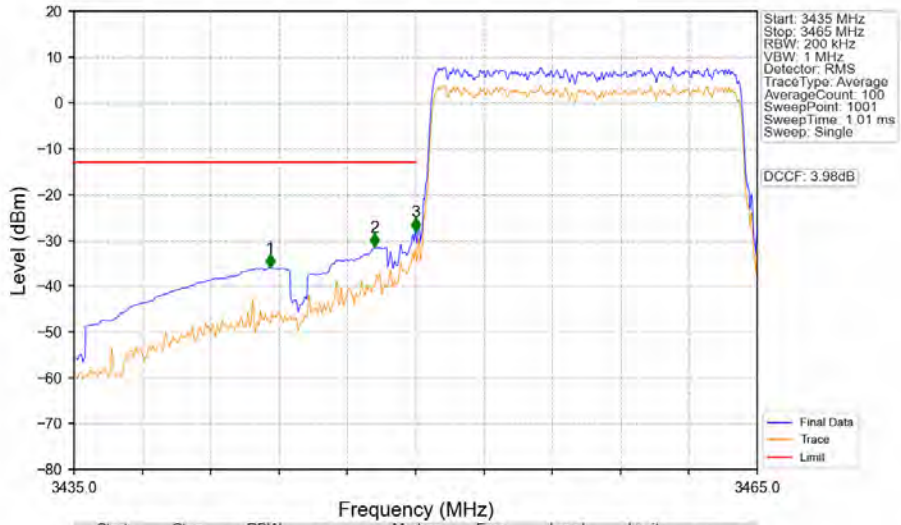
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

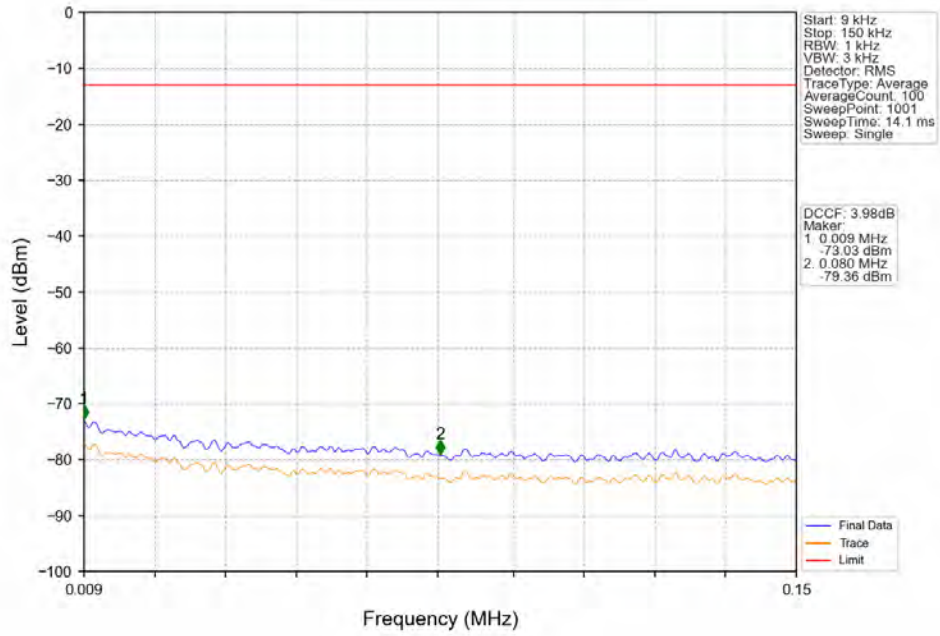


Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV

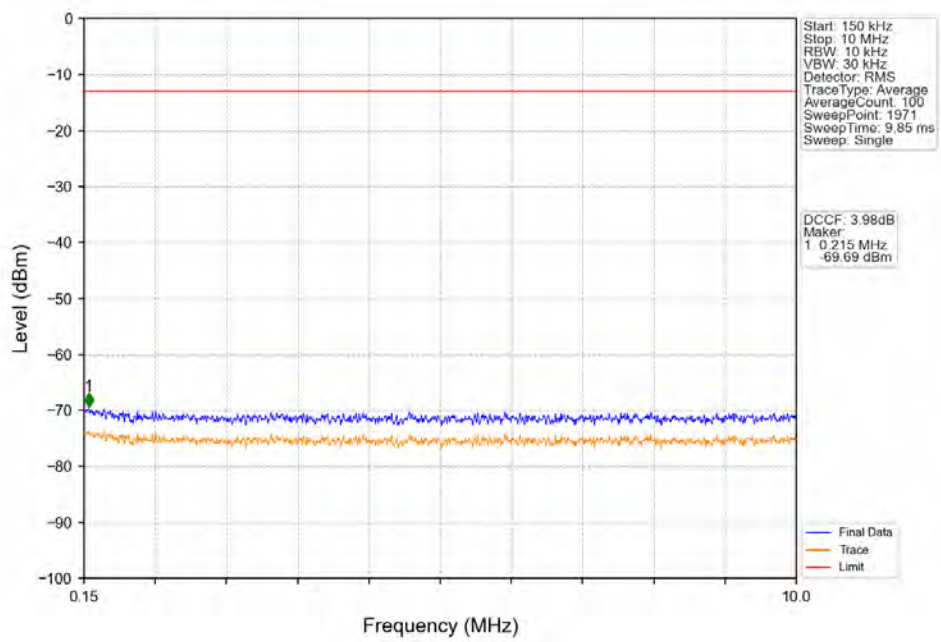


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3443.610	-36.07	-13	Pass
3445	3449	0.5	CHP	2	3448.200	-31.57	-13	Pass
3449	3450	0.2	/	3	3450.000	-28.13	-13	Pass
3450	3465	0.2	/	/	/	/	/	/

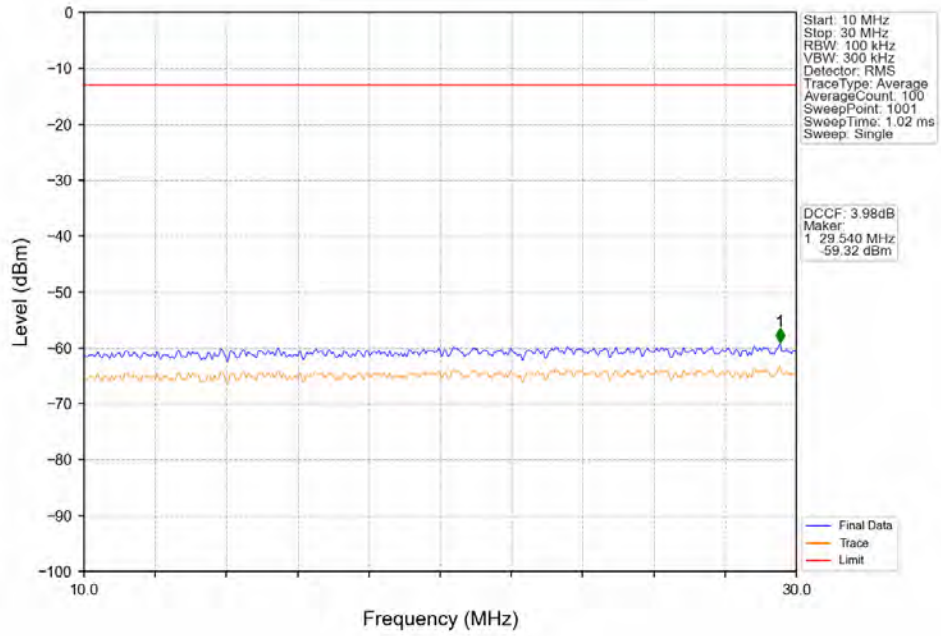
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



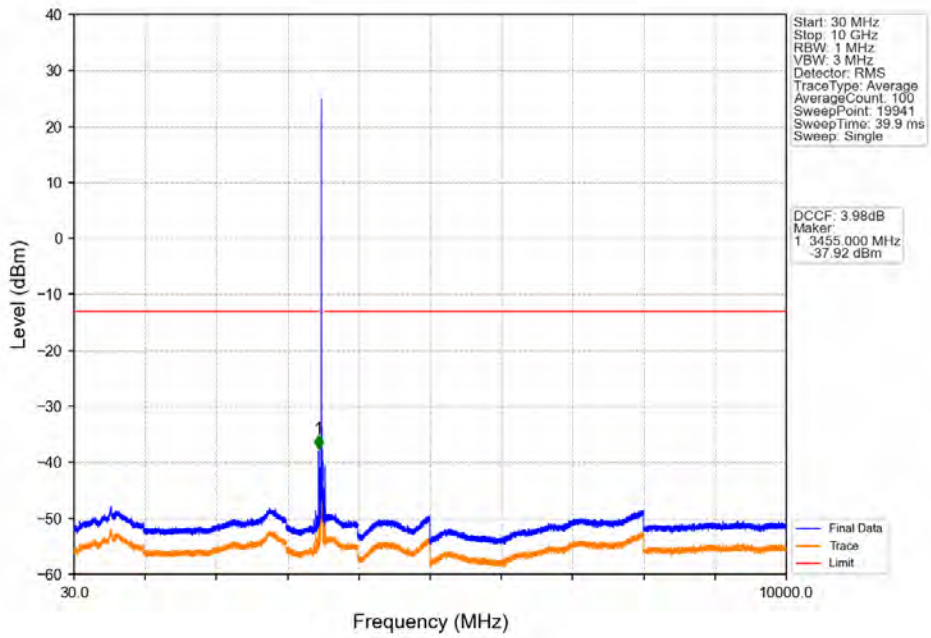
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



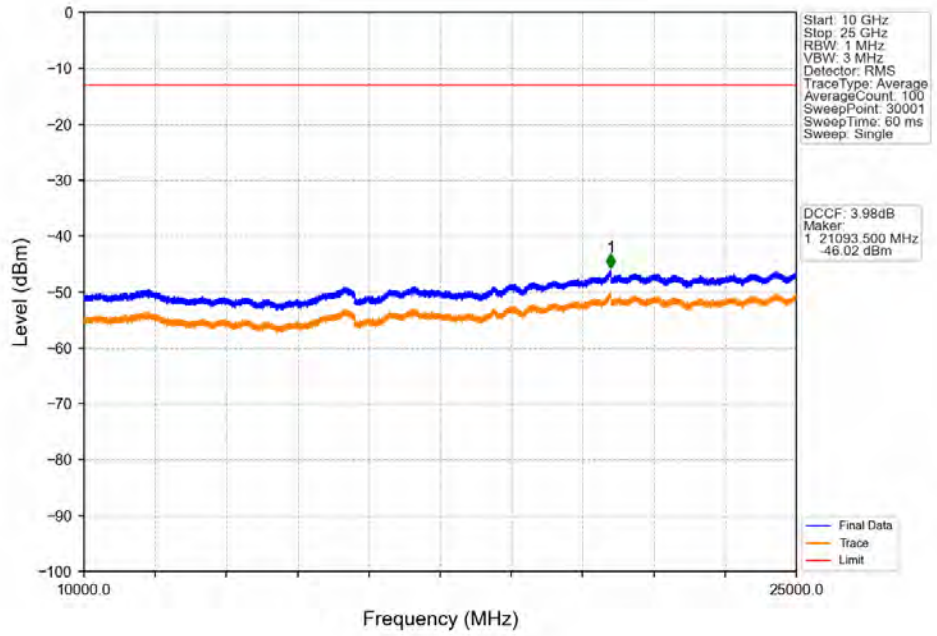
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



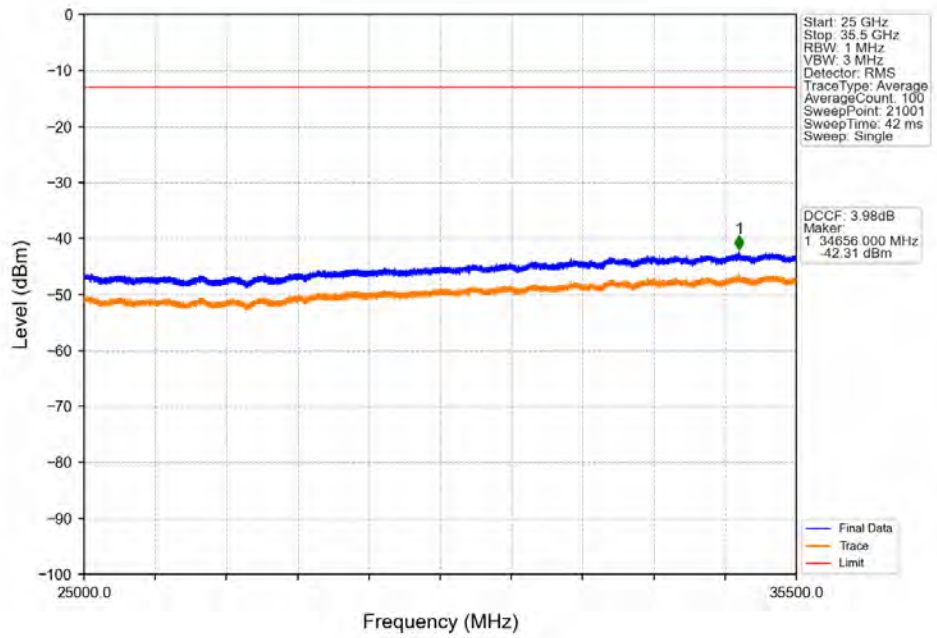
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



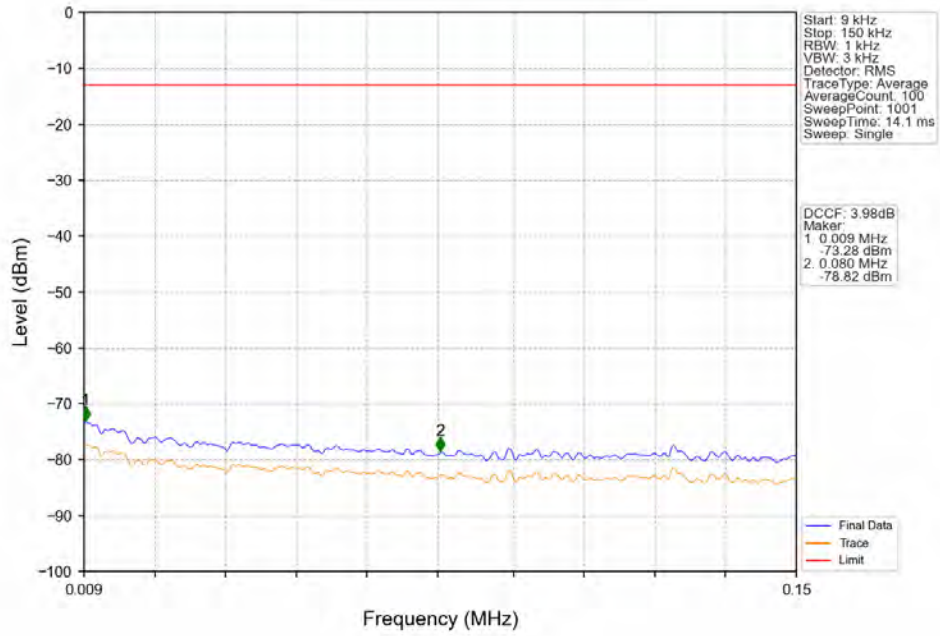
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



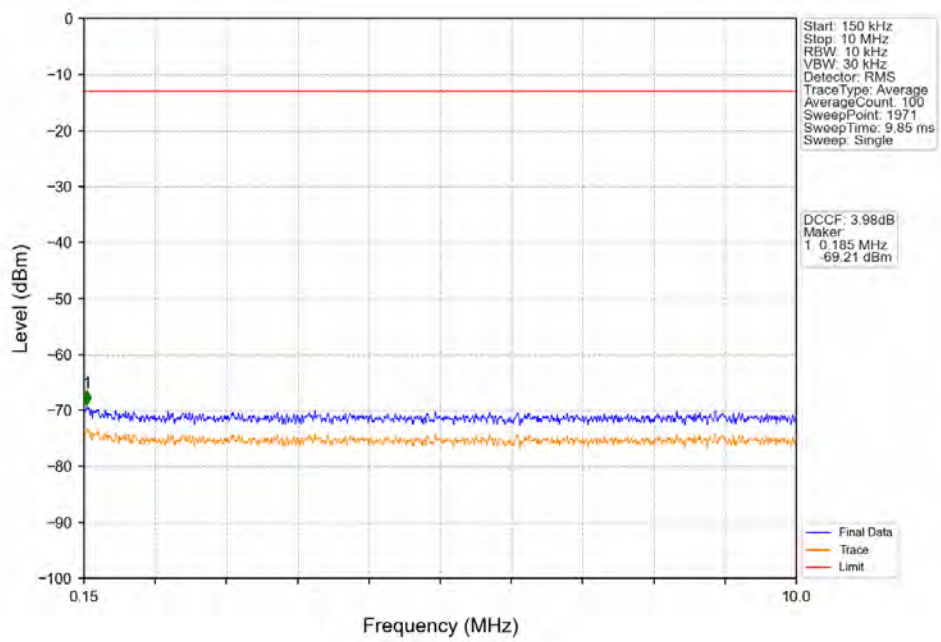
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



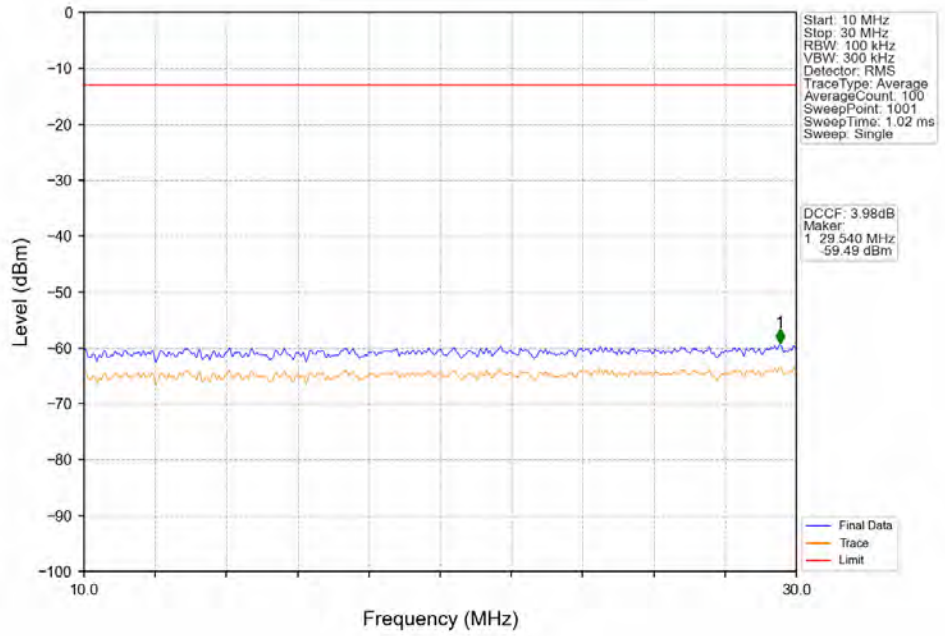
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



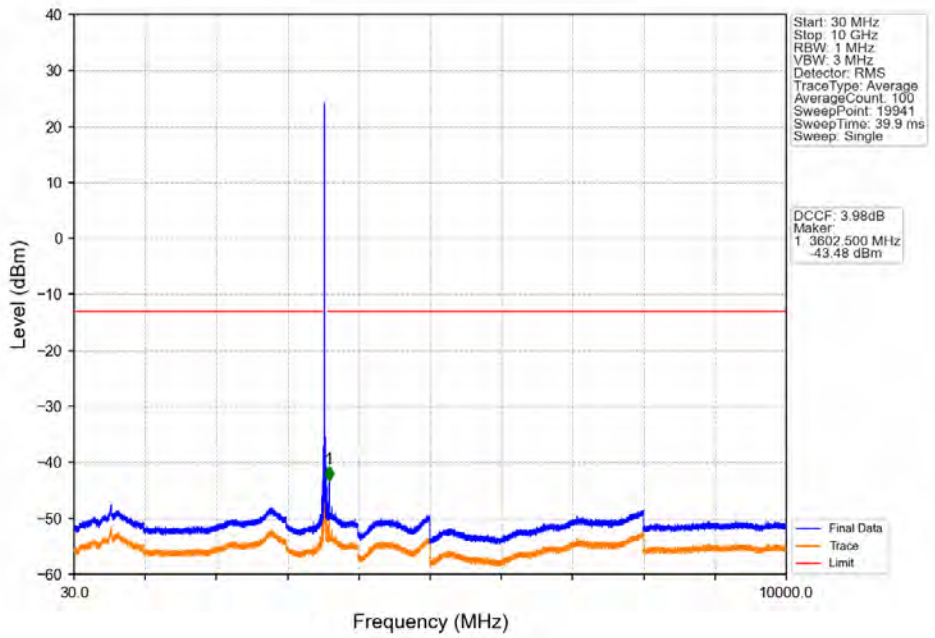
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



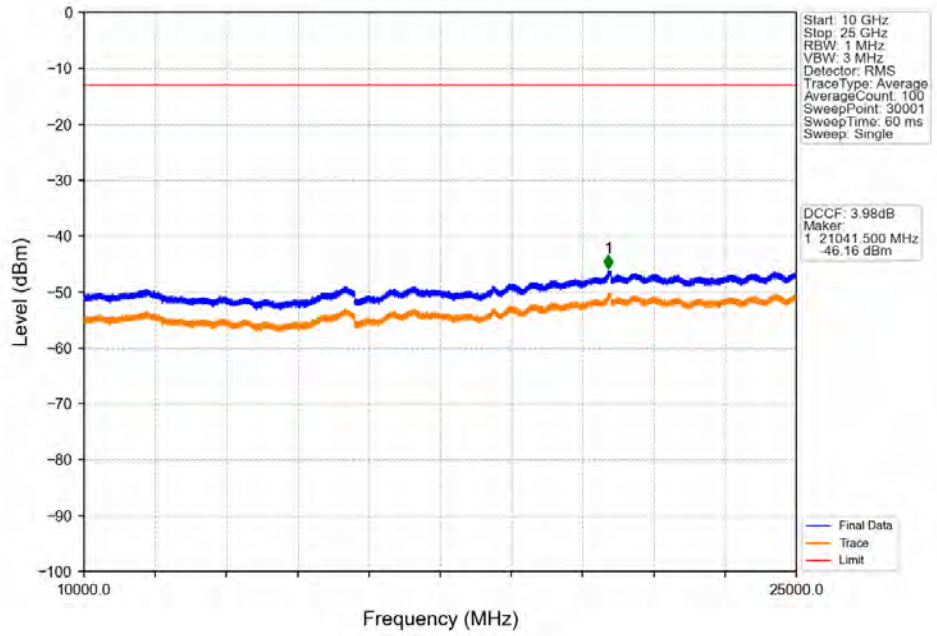
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



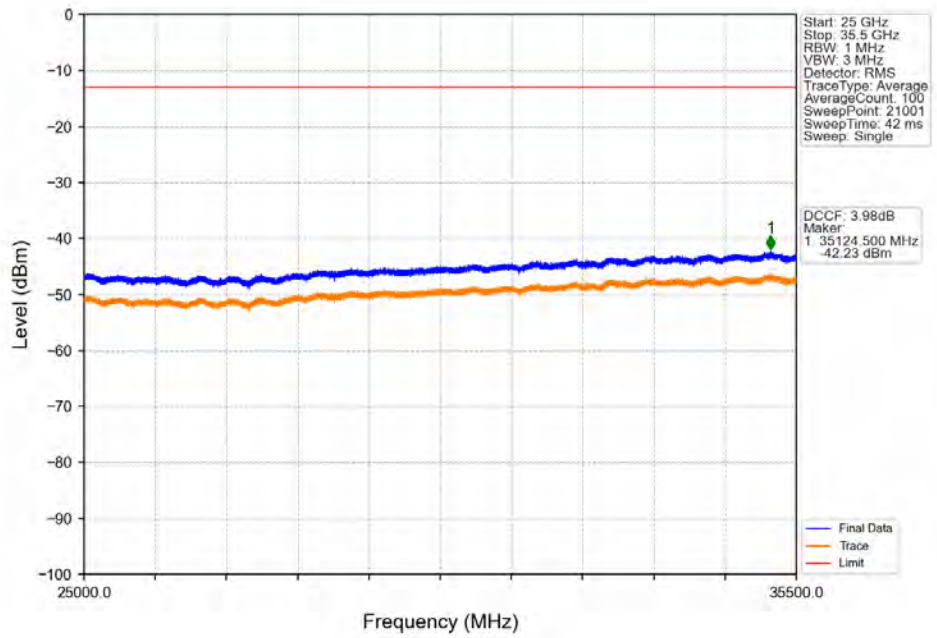
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



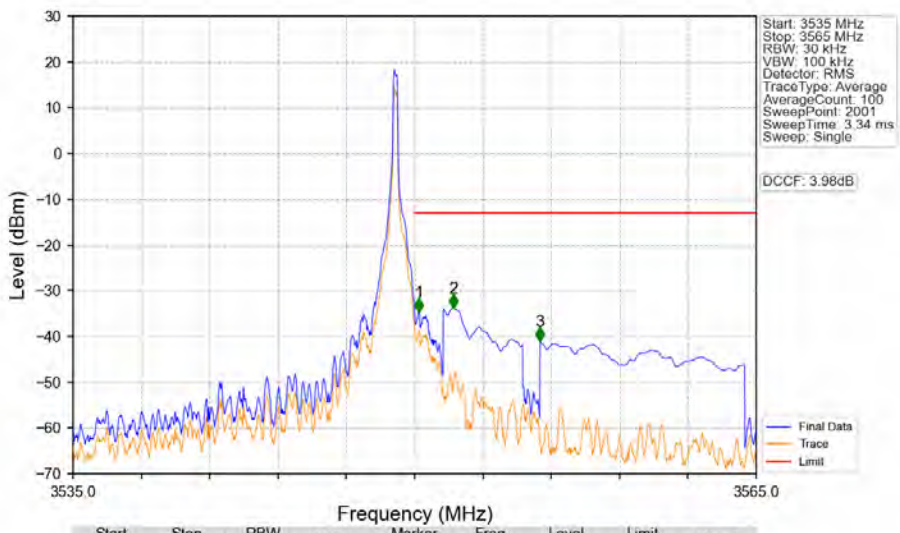
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

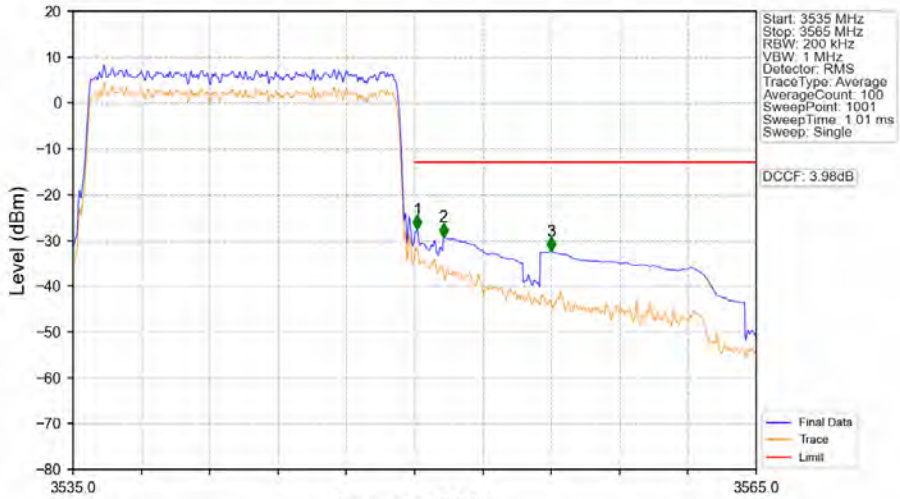


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	1	3550.180	-34.71	-13	Pass
3551	3555	0.5	CHP	2	3551.710	-33.79	-13	Pass
3555	3565	1	CHP	3	3555.505	-41.06	-13	Pass

Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV

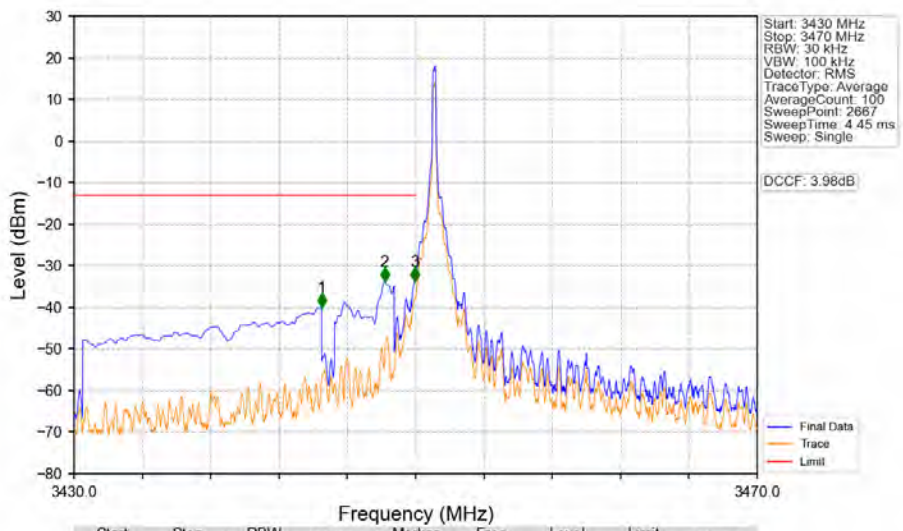


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.120	-27.68	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-29.29	-13	Pass
3555	3565	1	CHP	3	3556.000	-32.42	-13	Pass

5.4 B42a_20MHz

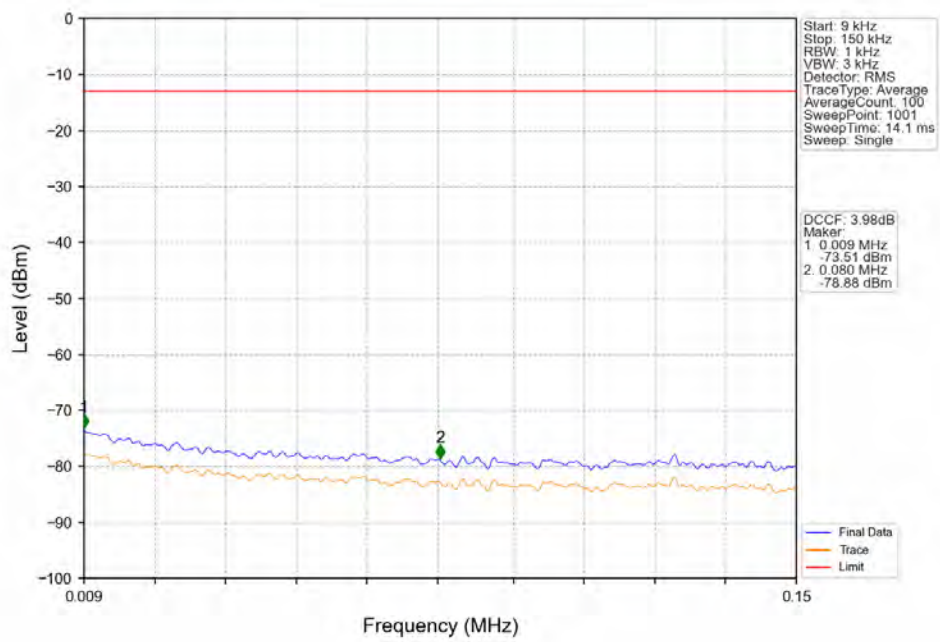
5.4.2 Test Graph

Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

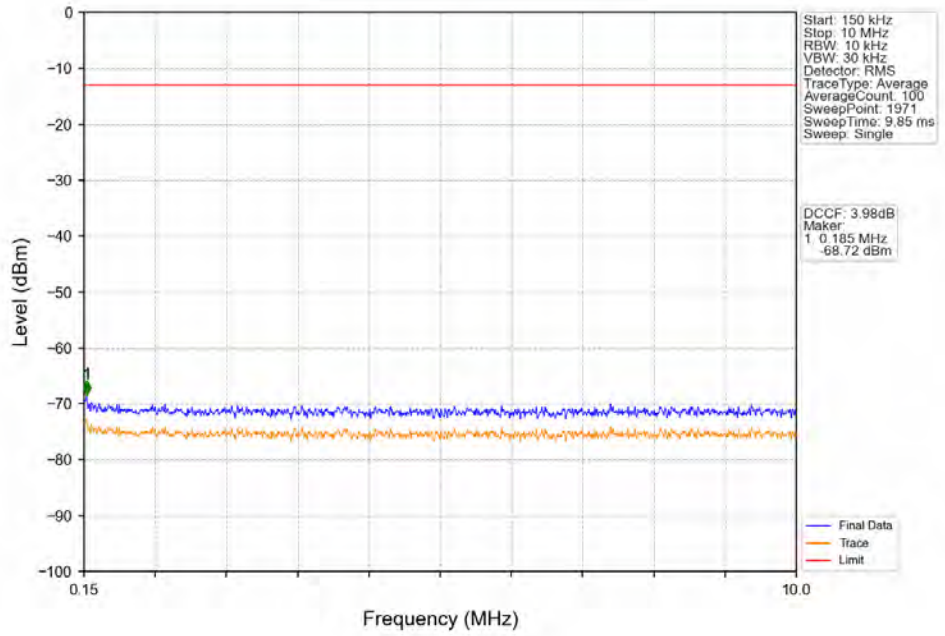


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3445	1	CHP	1	3444.494	-40.03	-13	Pass
3445	3449	0.5	CHP	2	3448.185	-33.87	-13	Pass
3449	3450	0.03	/	3	3449.970	-33.80	-13	Pass
3450	3470	0.03	/	/	/	/	/	/

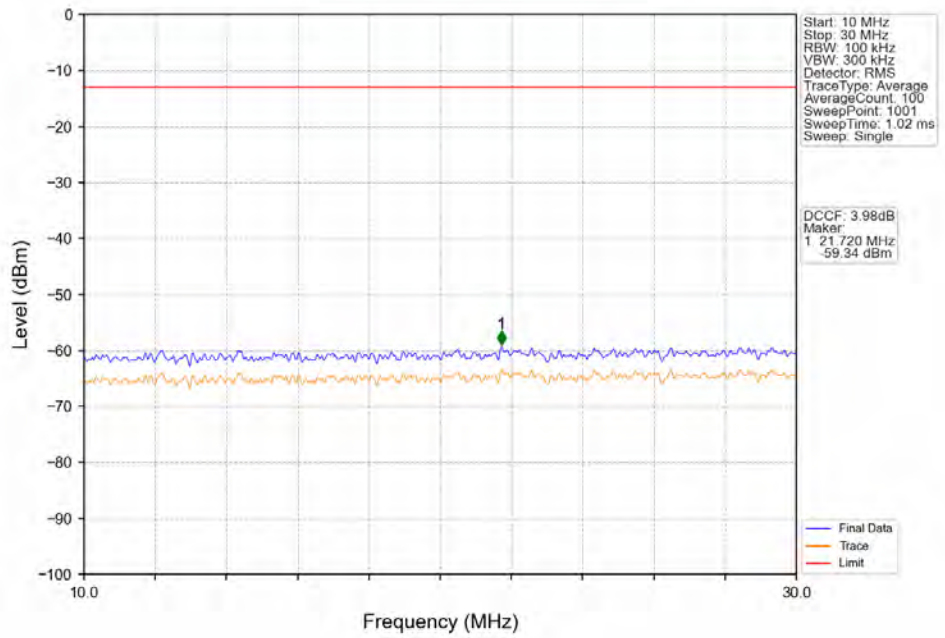
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



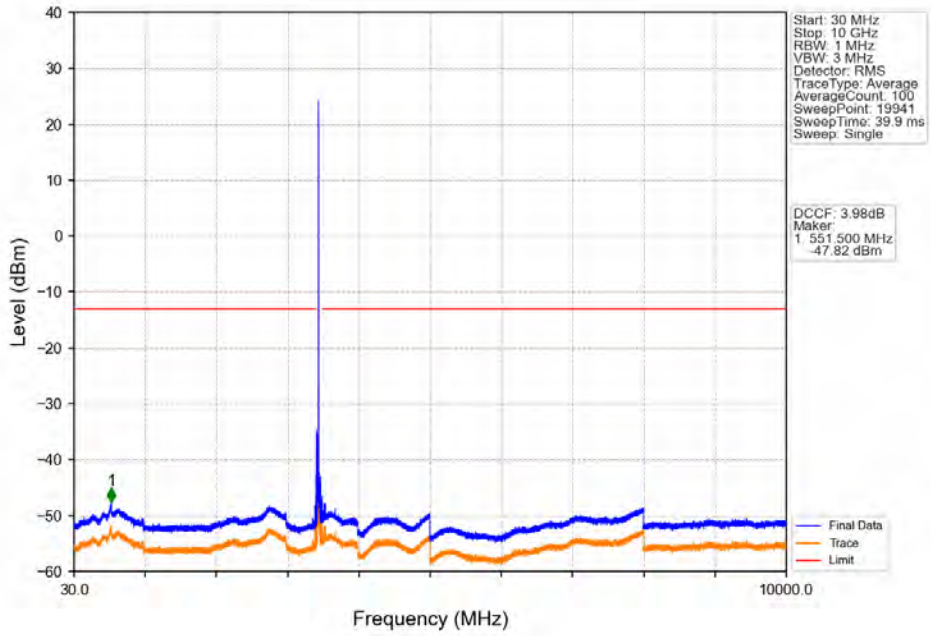
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



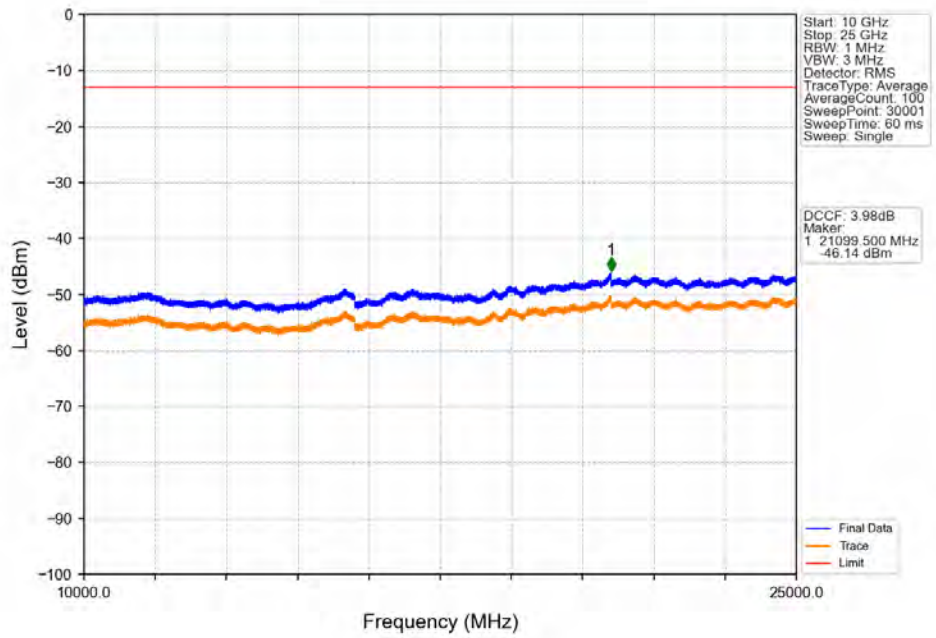
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



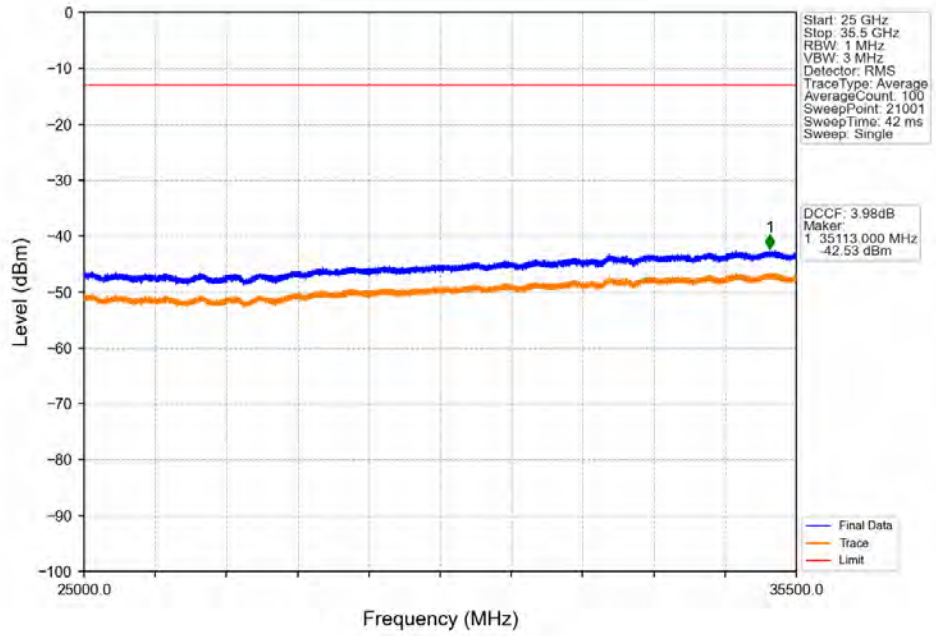
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



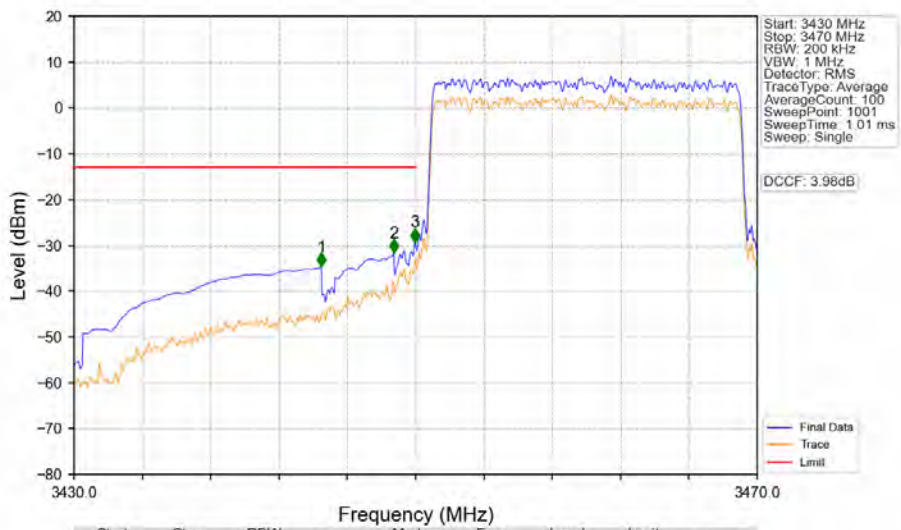
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

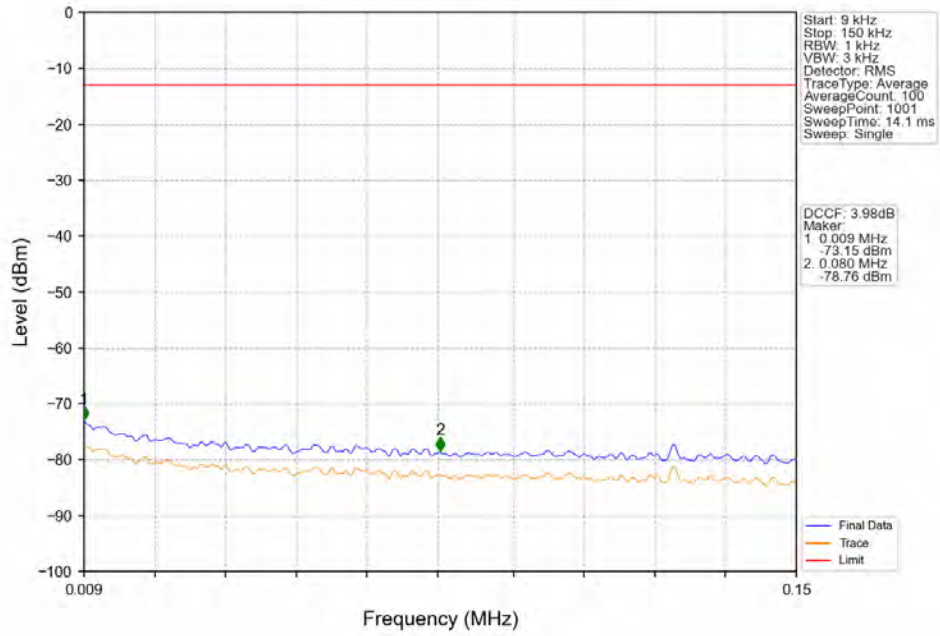


Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV

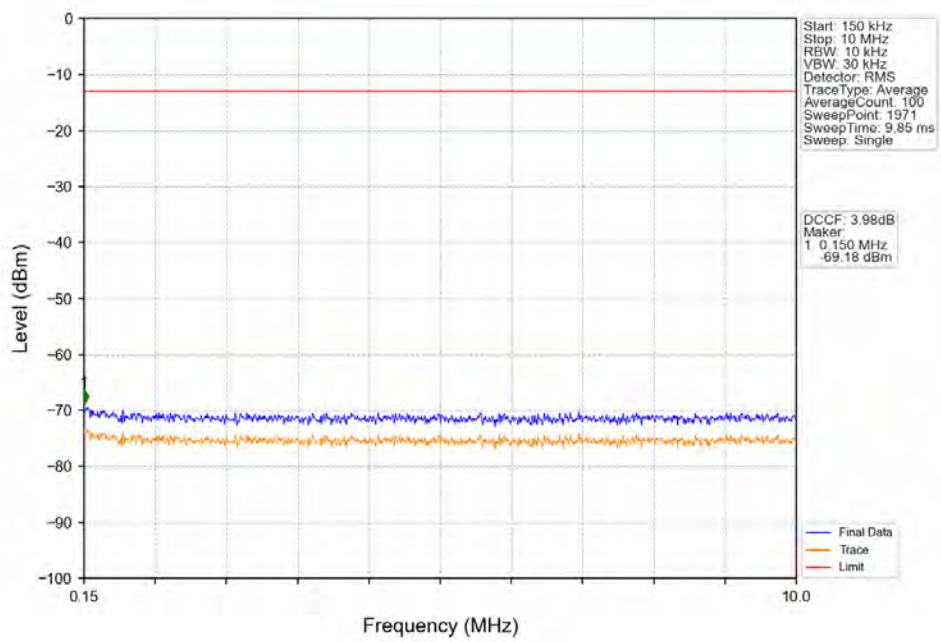


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3445	1	CHP	1	3444.480	-34.71	-13	Pass
3445	3449	0.5	CHP	2	3448.720	-31.70	-13	Pass
3449	3450	0.2	/	3	3449.960	-29.30	-13	Pass
3450	3470	0.2	/	/	/	/	/	/

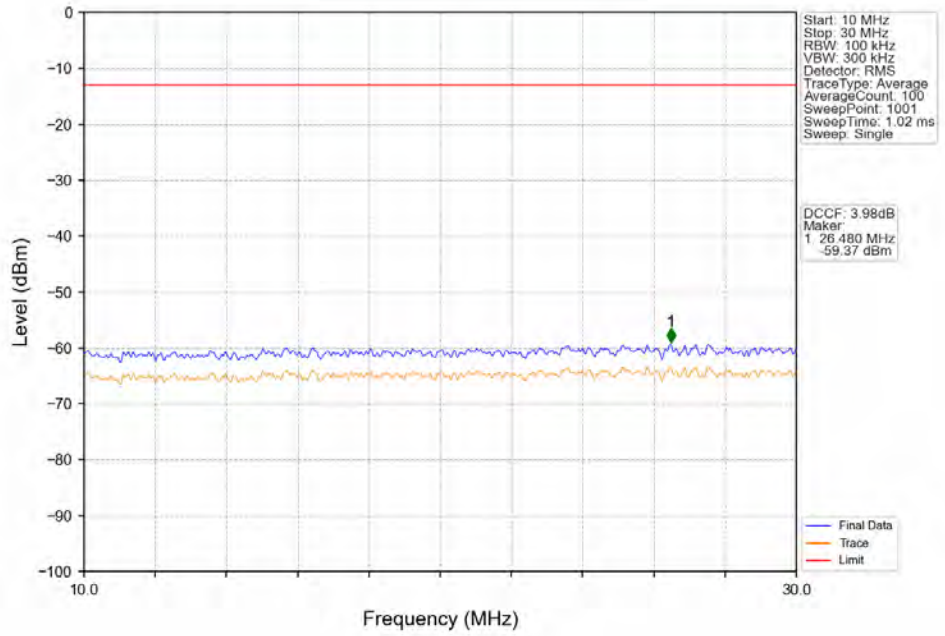
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



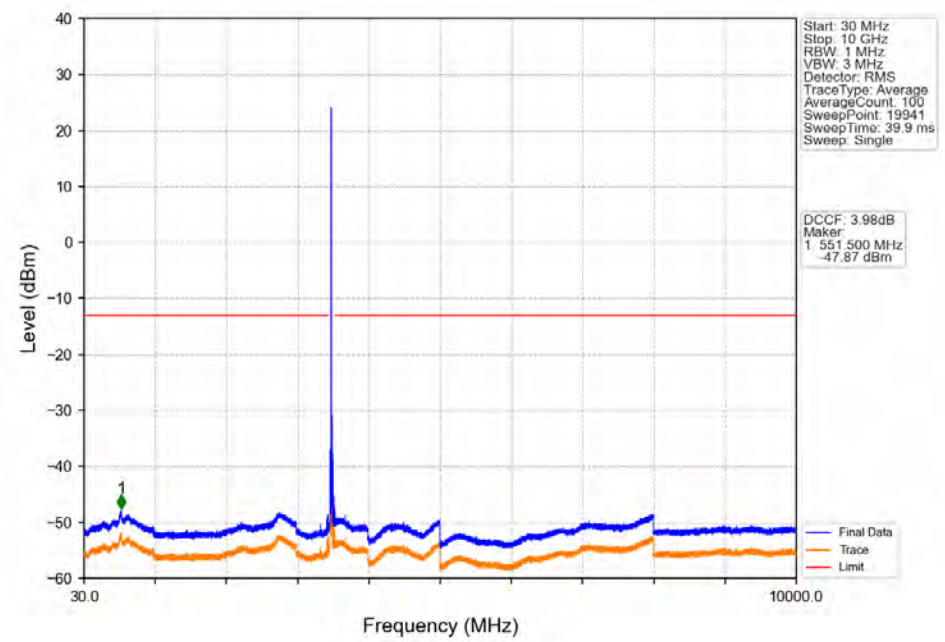
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



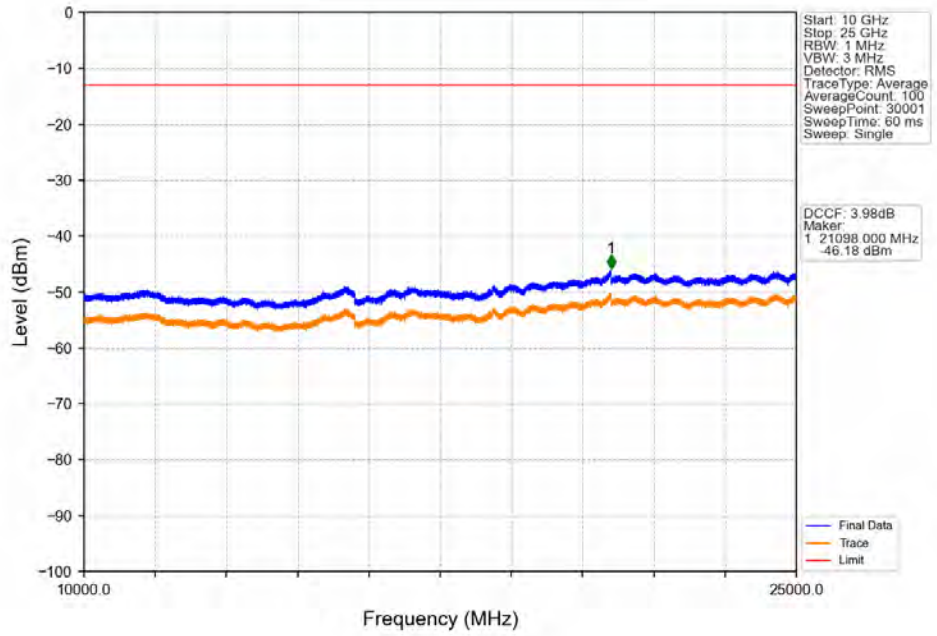
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



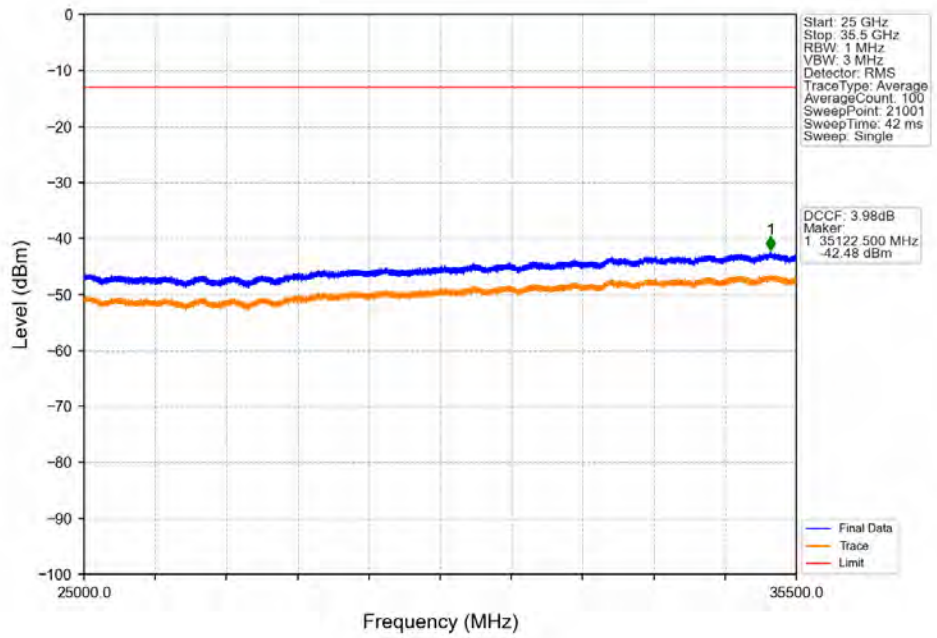
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



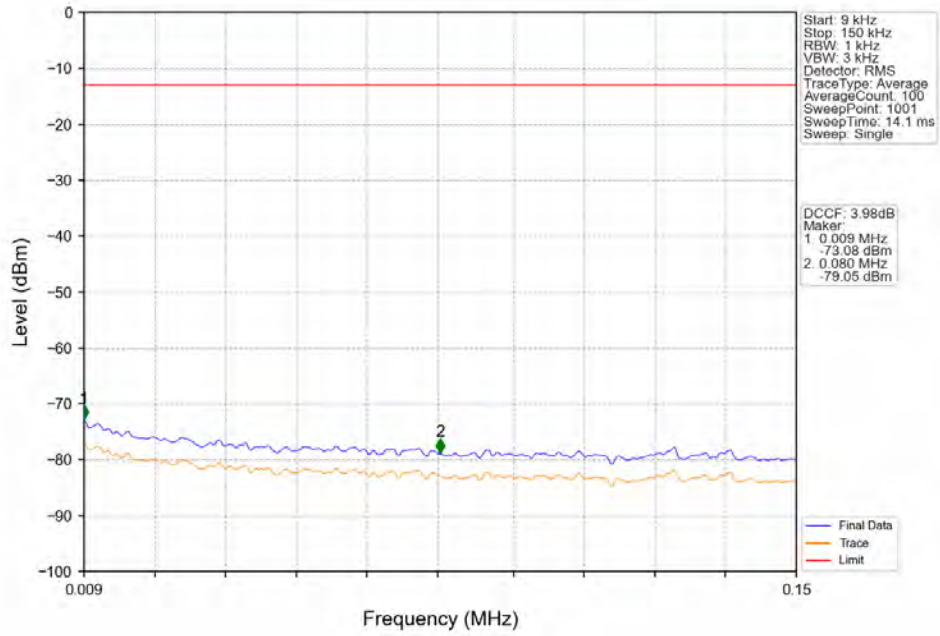
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



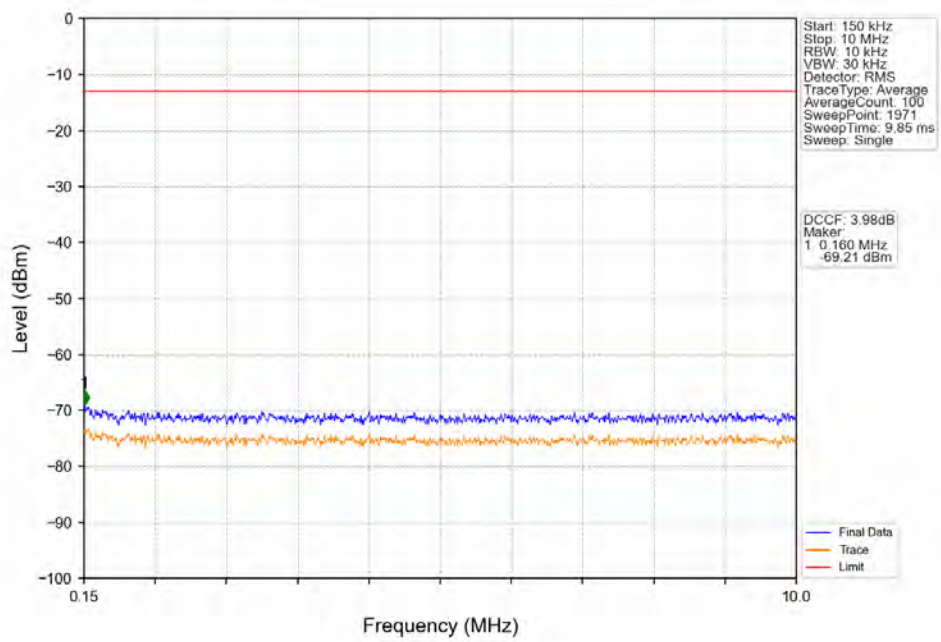
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



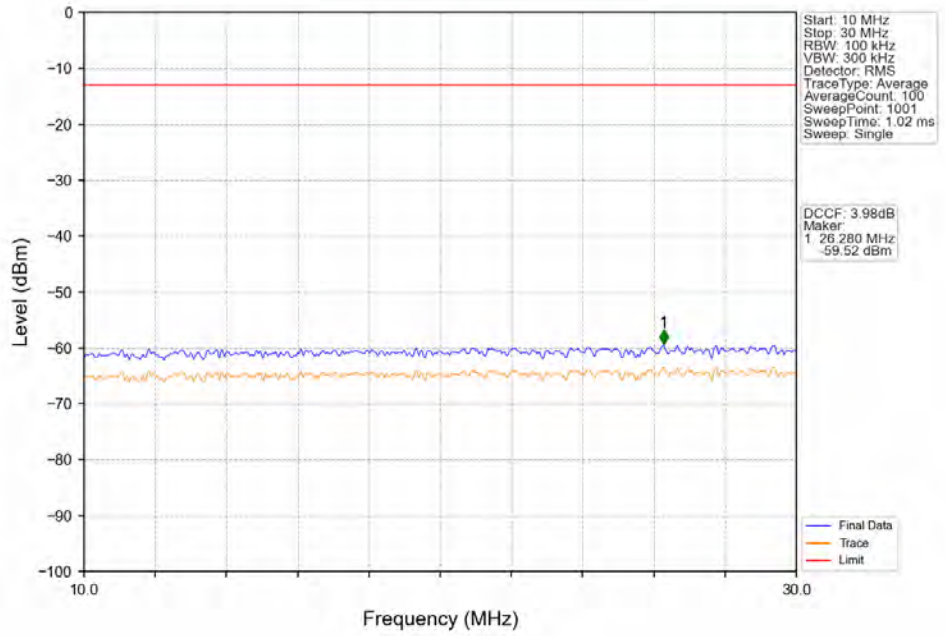
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



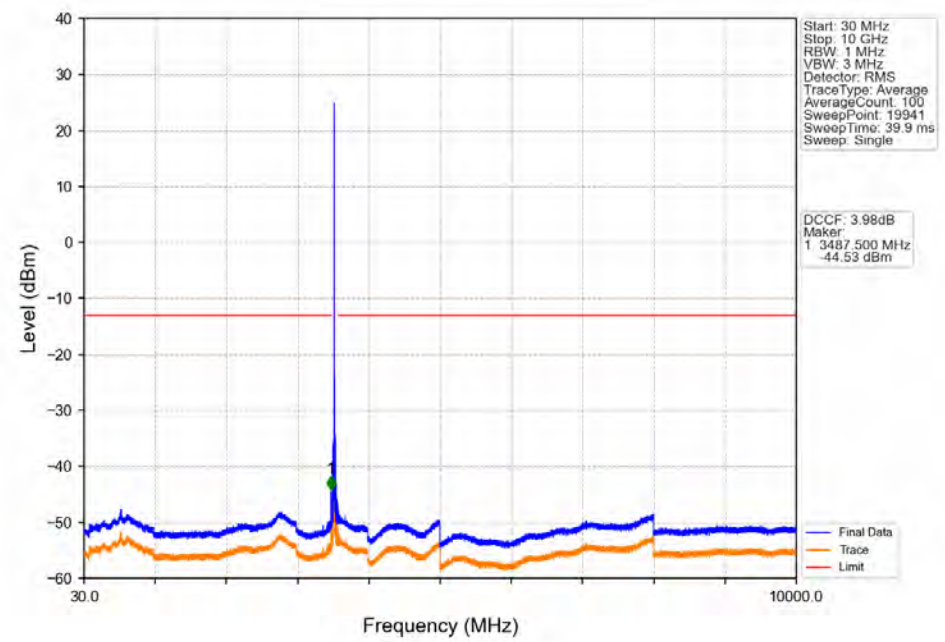
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



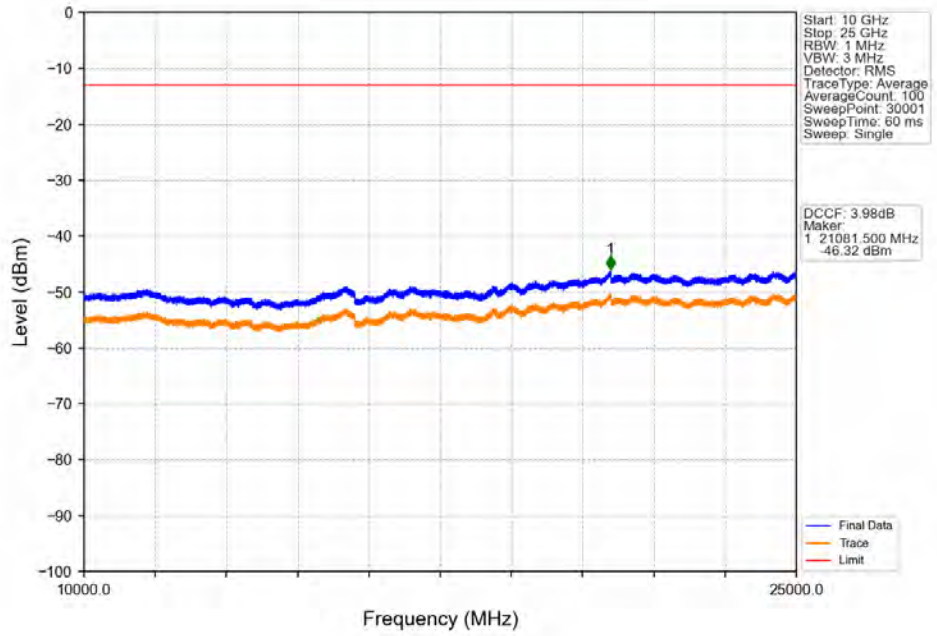
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



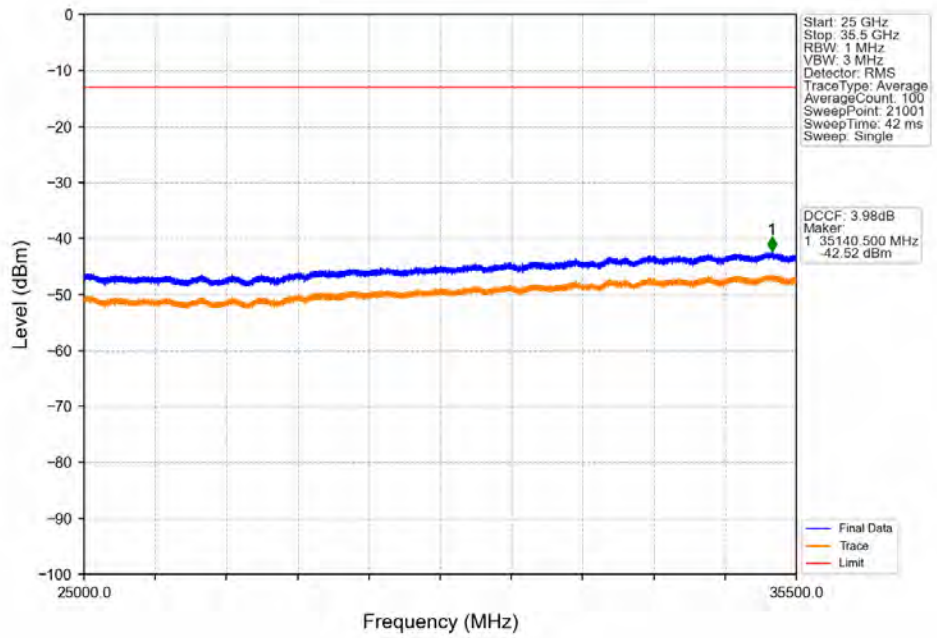
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



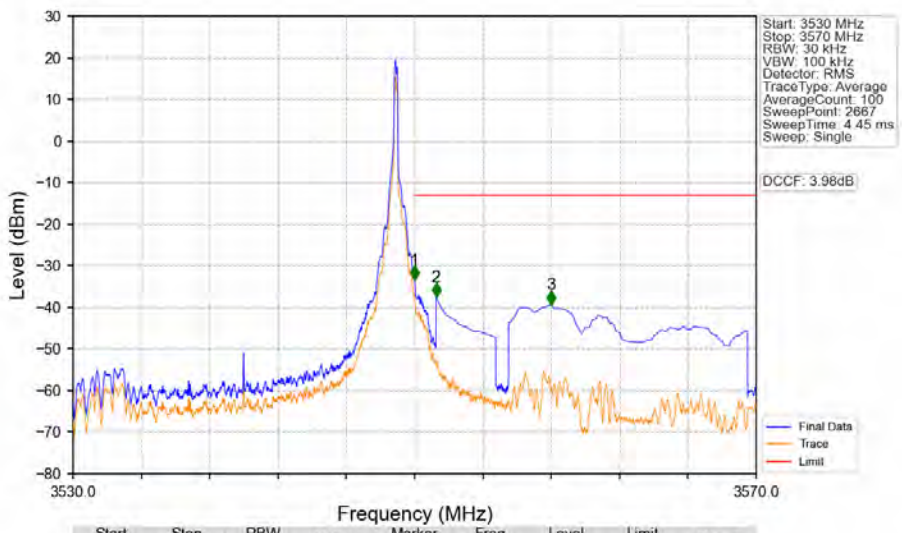
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV

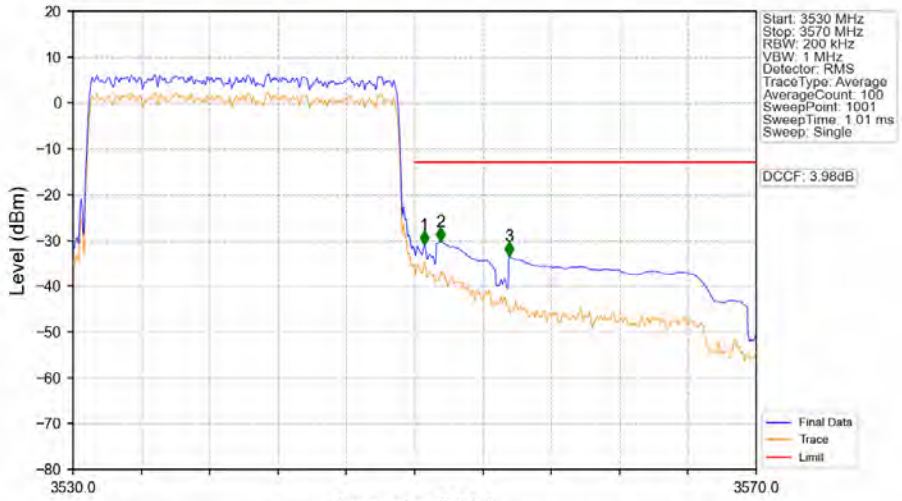


Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	1	3550.000	-33.48	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-37.52	-13	Pass
3555	3570	1	CHP	3	3557.967	-39.38	-13	Pass

Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.560	-30.98	-13	Pass
3551	3555	0.5	CHP	2	3551.520	-30.34	-13	Pass
3555	3570	1	CHP	3	3555.520	-33.46	-13	Pass

6. Field Strength of Spurious Radiation

For Sample #1:

Test Band = LTE Band42_ TM1
Test Channel = Low 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6902.5	54.71	-43.88	34.82	-49.60	-13.00	36.60	Horizontal
2	9209.4	38.98	-39.96	36.92	-59.32	-13.00	46.32	Horizontal
3	10150.1	37.87	-38.99	38.52	-57.87	-13.00	44.87	Horizontal
4	12378.8	35.70	-36.92	39.21	-57.26	-13.00	44.26	Horizontal
5	13741.55	34.78	-36.10	40.44	-56.14	-13.00	43.14	Horizontal
6	14991.6	33.06	-34.48	41.59	-55.09	-13.00	42.09	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6901.925	50.03	-43.88	34.82	-54.29	-13.00	41.29	Vertical
2	8682.125	41.09	-41.26	36.69	-58.74	-13.00	45.74	Vertical
3	9849.95	37.94	-39.13	38.20	-58.25	-13.00	45.25	Vertical
4	11480.075	35.56	-36.71	38.84	-57.57	-13.00	44.57	Vertical
5	13464.975	34.74	-36.45	40.05	-56.92	-13.00	43.92	Vertical
6	14384.4	33.92	-35.20	41.11	-55.43	-13.00	42.43	Vertical

Test Band = LTE Band42_ TM1
Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6982.425	48.85	-43.15	34.97	-54.59	-13.00	41.59	Horizontal
2	8043.875	41.51	-41.78	37.07	-58.46	-13.00	45.46	Horizontal
3	9421.575	40.52	-39.93	37.34	-57.33	-13.00	44.33	Horizontal
4	11185.675	35.91	-36.76	38.69	-57.42	-13.00	44.42	Horizontal
5	12821.55	35.24	-36.67	39.35	-57.35	-13.00	44.35	Horizontal
6	14944.45	33.96	-34.81	41.56	-54.56	-13.00	41.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6982.425	46.63	-43.15	34.97	-56.81	-13.00	43.81	Vertical
2	7600.55	40.14	-42.74	36.54	-61.32	-13.00	48.32	Vertical
3	9887.325	37.77	-39.18	38.27	-58.40	-13.00	45.40	Vertical
4	12773.825	35.16	-36.67	39.33	-57.44	-13.00	44.44	Vertical
5	13960.625	32.61	-35.09	40.74	-57.00	-13.00	44.00	Vertical
6	14946.175	33.32	-34.80	41.56	-55.19	-13.00	42.19	Vertical

Test Band = LTE Band42_ TM1
Test Channel = High 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7062.35	52.85	-43.41	35.17	-50.64	-13.00	37.64	Horizontal
2	8407.85	41.03	-41.40	36.86	-58.78	-13.00	45.78	Horizontal
3	9797.625	38.16	-39.07	38.10	-58.07	-13.00	45.07	Horizontal
4	11442.7	36.48	-37.08	38.82	-57.04	-13.00	44.04	Horizontal
5	13969.825	33.24	-35.02	40.76	-56.28	-13.00	43.28	Horizontal
6	14493.075	33.75	-34.29	41.19	-54.60	-13.00	41.60	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7062.35	46.92	-43.41	35.17	-56.57	-13.00	43.57	Vertical
2	8028.925	41.26	-41.90	37.08	-58.82	-13.00	45.82	Vertical
3	9794.175	37.89	-39.08	38.09	-58.37	-13.00	45.37	Vertical
4	11470.875	35.40	-36.80	38.84	-57.83	-13.00	44.83	Vertical
5	12721.5	35.73	-36.78	39.32	-57.00	-13.00	44.00	Vertical
6	14898.45	33.39	-35.13	41.52	-55.48	-13.00	42.48	Vertical

For Sample #2:

Test Band = LTE Band42_ TM1
Test Channel = Low3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7543.625	41.75	-42.98	36.46	-60.03	-13.00	47.03	Horizontal
2	9393.4	40.84	-39.93	37.29	-57.06	-13.00	44.06	Horizontal
3	10658.4	36.69	-37.71	38.57	-57.71	-13.00	44.71	Horizontal
4	12801.425	35.45	-36.62	39.34	-57.09	-13.00	44.09	Horizontal
5	14118.175	32.72	-35.92	40.89	-57.56	-13.00	44.56	Horizontal
6	14943.3	33.42	-34.82	41.55	-55.11	-13.00	42.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7937.5	42.20	-42.51	37.01	-58.56	-13.00	45.56	Vertical
2	9468.725	39.90	-39.95	37.44	-57.87	-13.00	44.87	Vertical
3	11390.375	35.85	-37.48	38.80	-58.10	-13.00	45.10	Vertical
4	12980.825	35.37	-37.22	39.39	-57.71	-13.00	44.71	Vertical
5	14941.575	33.29	-34.83	41.55	-55.25	-13.00	42.25	Vertical
6	16296.85	32.53	-34.44	40.27	-56.90	-13.00	43.90	Vertical

Test Band = LTE Band42_ TM1
Test Channel = Mid3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7285.45	41.86	-43.37	35.80	-60.97	-13.00	47.97	Horizontal
2	8800.575	41.12	-41.14	36.62	-58.66	-13.00	45.66	Horizontal
3	9855.125	37.93	-39.14	38.21	-58.26	-13.00	45.26	Horizontal
4	12417.9	35.67	-36.98	39.23	-57.35	-13.00	44.35	Horizontal
5	13964.65	33.05	-35.06	40.75	-56.52	-13.00	43.52	Horizontal
6	15729.325	31.87	-33.20	40.07	-56.52	-13.00	43.52	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7537.3	41.28	-43.01	36.45	-60.54	-13.00	47.54	Vertical
2	8813.225	41.48	-41.11	36.61	-58.28	-13.00	45.28	Vertical
3	10491.075	36.79	-38.76	38.55	-58.68	-13.00	45.68	Vertical
4	11560	36.02	-36.79	38.88	-57.15	-13.00	44.15	Vertical
5	13122.275	34.93	-36.60	39.57	-57.36	-13.00	44.36	Vertical
6	14518.375	33.12	-34.44	41.21	-55.36	-13.00	42.36	Vertical

Test Band = LTE Band42_ TM1
Test Channel = High3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7195.175	42.68	-43.61	35.55	-60.65	-13.00	47.65	Horizontal
2	8380.825	41.17	-41.47	36.87	-58.68	-13.00	45.68	Horizontal
3	9717.125	37.84	-39.41	37.93	-58.89	-13.00	45.89	Horizontal
4	11247.775	36.17	-36.90	38.72	-57.27	-13.00	44.27	Horizontal
5	12527.725	35.72	-37.02	39.26	-57.30	-13.00	44.30	Horizontal
6	13496.025	35.34	-36.63	40.09	-56.45	-13.00	43.45	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7564.9	41.58	-42.89	36.49	-60.08	-13.00	47.08	Vertical
2	8925.35	40.35	-40.90	36.54	-59.27	-13.00	46.27	Vertical
3	10320.3	36.70	-38.92	38.53	-58.95	-13.00	45.95	Vertical
4	11718.125	34.39	-36.29	38.96	-58.20	-13.00	45.20	Vertical
5	14003.175	32.42	-34.82	40.80	-56.86	-13.00	43.86	Vertical
6	14850.15	33.05	-35.07	41.48	-55.80	-13.00	42.80	Vertical