

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B40_5MHz_EIRP

Band: 40 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2302.5	1	0	21.76	3.50	25.26	/	Pass
			13	21.66	3.50	25.16	/	Pass
			24	21.77	3.50	25.27	/	Pass
		12	0	20.80	3.50	24.30	/	Pass
			6	20.90	3.50	24.40	/	Pass
			13	20.73	3.50	24.23	/	Pass
		25	0	20.81	3.50	24.31	/	Pass
	2350	1	0	21.15	3.50	24.65	/	Pass
			13	21.23	3.50	24.73	/	Pass
			24	21.19	3.50	24.69	/	Pass
		12	0	20.15	3.50	23.65	/	Pass
			6	20.20	3.50	23.70	/	Pass
			13	19.86	3.50	23.36	/	Pass
		25	0	20.04	3.50	23.54	/	Pass
	2397.5	1	0	20.69	3.50	24.19	/	Pass
			13	20.59	3.50	24.09	/	Pass
			24	20.63	3.50	24.13	/	Pass
		12	0	19.69	3.50	23.19	/	Pass
			6	19.78	3.50	23.28	/	Pass
			13	19.87	3.50	23.37	/	Pass
		25	0	19.71	3.50	23.21	/	Pass
16QAM	2302.5	1	0	21.10	3.50	24.60	/	Pass
			13	21.40	3.50	24.90	/	Pass
			24	21.32	3.50	24.82	/	Pass
		12	0	19.54	3.50	23.04	/	Pass
			6	19.66	3.50	23.16	/	Pass
			13	19.62	3.50	23.12	/	Pass
		25	0	19.73	3.50	23.23	/	Pass
	2350	1	0	19.89	3.50	23.39	/	Pass
			13	19.55	3.50	23.05	/	Pass
			24	20.07	3.50	23.57	/	Pass
		12	0	18.83	3.50	22.33	/	Pass
			6	18.88	3.50	22.38	/	Pass
			13	18.98	3.50	22.48	/	Pass
		25	0	18.99	3.50	22.49	/	Pass
	2397.5	1	0	19.93	3.50	23.43	/	Pass
			13	20.26	3.50	23.76	/	Pass
			24	19.93	3.50	23.43	/	Pass
		12	0	18.24	3.50	21.74	/	Pass
			6	18.40	3.50	21.90	/	Pass
			13	18.33	3.50	21.83	/	Pass
		25	0	18.66	3.50	22.16	/	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B40_10MHz_EIRP

Band: 40 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2305	1	0	21.63	3.50	25.13	/	Pass
			25	21.79	3.50	25.29	/	Pass
			49	21.22	3.50	24.72	/	Pass
		25	0	20.61	3.50	24.11	/	Pass
			13	20.67	3.50	24.17	/	Pass
			25	20.51	3.50	24.01	/	Pass
		50	0	20.62	3.50	24.12	/	Pass
	2350	1	0	20.97	3.50	24.47	/	Pass
			25	21.16	3.50	24.66	/	Pass
			49	20.72	3.50	24.22	/	Pass
		25	0	20.14	3.50	23.64	/	Pass
			13	20.13	3.50	23.63	/	Pass
			25	19.92	3.50	23.42	/	Pass
		50	0	20.01	3.50	23.51	/	Pass
	2395	1	0	20.67	3.50	24.17	/	Pass
			25	20.61	3.50	24.11	/	Pass
			49	20.78	3.50	24.28	/	Pass
		25	0	19.80	3.50	23.30	/	Pass
			13	19.83	3.50	23.33	/	Pass
			25	19.84	3.50	23.34	/	Pass
		50	0	19.63	3.50	23.13	/	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B40_15MHz_EIRP

Band: 40 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	21.66	3.50	25.16	/	Pass
			38	21.59	3.50	25.09	/	Pass
			74	21.40	3.50	24.90	/	Pass
		36	0	20.90	3.50	24.40	/	Pass
			18	20.70	3.50	24.20	/	Pass
			39	20.71	3.50	24.21	/	Pass
		75	0	20.64	3.50	24.14	/	Pass
	2350	1	0	21.05	3.50	24.55	/	Pass
			38	20.98	3.50	24.48	/	Pass
			74	21.10	3.50	24.60	/	Pass
		36	0	20.15	3.50	23.65	/	Pass
			18	20.09	3.50	23.59	/	Pass
			39	20.13	3.50	23.63	/	Pass
		75	0	20.34	3.50	23.84	/	Pass
	2392.5	1	0	20.98	3.50	24.48	/	Pass
			38	20.72	3.50	24.22	/	Pass
			74	20.64	3.50	24.14	/	Pass
		36	0	19.83	3.50	23.33	/	Pass
			18	19.94	3.50	23.44	/	Pass
			39	19.67	3.50	23.17	/	Pass
		75	0	19.82	3.50	23.32	/	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B40_20MHz_EIRP

Band: 40 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2310	1	0	22.19	3.50	25.69	/	Pass	
			50	21.84	3.50	25.34	/	Pass	
			99	21.54	3.50	25.04	/	Pass	
		50	0	20.77	3.50	24.27	/	Pass	
			25	20.73	3.50	24.23	/	Pass	
			50	20.47	3.50	23.97	/	Pass	
		100	0	20.70	3.50	24.20	/	Pass	
		2350	1	0	21.29	3.50	24.79	/	Pass
				50	21.59	3.50	25.09	/	Pass
	99			21.25	3.50	24.75	/	Pass	
	50		0	20.35	3.50	23.85	/	Pass	
			25	20.35	3.50	23.85	/	Pass	
			50	20.10	3.50	23.60	/	Pass	
	100	0	20.10	3.50	23.60	/	Pass		
	2390	1	0	21.02	3.50	24.52	/	Pass	
			50	21.13	3.50	24.63	/	Pass	
			99	20.92	3.50	24.42	/	Pass	
		50	0	20.12	3.50	23.62	/	Pass	
			25	19.89	3.50	23.39	/	Pass	
			50	19.77	3.50	23.27	/	Pass	
		100	0	19.92	3.50	23.42	/	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B40_5MHz

Band: 40 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2302.5	25	0	20	10.2	3.819	0.0017	-2.5 to 2.5	Pass
					12	-10.042	-0.0044	-2.5 to 2.5	Pass
					13.8	-11.415	-0.0050	-2.5 to 2.5	Pass
				-30	12	-5.307	-0.0023	-2.5 to 2.5	Pass
				-20	12	-1.845	-0.0008	-2.5 to 2.5	Pass
				-10	12	2.975	0.0013	-2.5 to 2.5	Pass
				0	12	5.794	0.0025	-2.5 to 2.5	Pass
				10	12	6.495	0.0028	-2.5 to 2.5	Pass
				30	12	3.505	0.0015	-2.5 to 2.5	Pass
				40	12	8.841	0.0038	-2.5 to 2.5	Pass
				50	12	2.089	0.0009	-2.5 to 2.5	Pass
	2350	25	0	20	10.2	0.858	0.0004	-2.5 to 2.5	Pass
					12	0.472	0.0002	-2.5 to 2.5	Pass
					13.8	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	12	1.588	0.0007	-2.5 to 2.5	Pass
				-20	12	9.084	0.0039	-2.5 to 2.5	Pass
				-10	12	1.988	0.0008	-2.5 to 2.5	Pass
				0	12	6.437	0.0027	-2.5 to 2.5	Pass
				10	12	7.753	0.0033	-2.5 to 2.5	Pass
				30	12	0.415	0.0002	-2.5 to 2.5	Pass
				40	12	-3.061	-0.0013	-2.5 to 2.5	Pass
				50	12	1.588	0.0007	-2.5 to 2.5	Pass
	2397.5	25	0	20	10.2	5.908	0.0025	-2.5 to 2.5	Pass
					12	8.440	0.0035	-2.5 to 2.5	Pass
					13.8	-0.744	-0.0003	-2.5 to 2.5	Pass
				-30	12	1.888	0.0008	-2.5 to 2.5	Pass
				-20	12	6.909	0.0029	-2.5 to 2.5	Pass
				-10	12	2.060	0.0009	-2.5 to 2.5	Pass
				0	12	3.104	0.0013	-2.5 to 2.5	Pass
				10	12	4.578	0.0019	-2.5 to 2.5	Pass
				30	12	2.861	0.0012	-2.5 to 2.5	Pass
				40	12	8.197	0.0034	-2.5 to 2.5	Pass
				50	12	8.497	0.0035	-2.5 to 2.5	Pass
16QAM	2302.5	25	0	20	10.2	1.674	0.0007	-2.5 to 2.5	Pass
					12	4.120	0.0018	-2.5 to 2.5	Pass
					13.8	-1.402	-0.0006	-2.5 to 2.5	Pass
				-30	12	-3.519	-0.0015	-2.5 to 2.5	Pass
				-20	12	-5.865	-0.0025	-2.5 to 2.5	Pass
				-10	12	-6.723	-0.0029	-2.5 to 2.5	Pass
				0	12	-0.029	0.0000	-2.5 to 2.5	Pass
				10	12	12.059	0.0052	-2.5 to 2.5	Pass
				30	12	-0.830	-0.0004	-2.5 to 2.5	Pass
				40	12	-1.845	-0.0008	-2.5 to 2.5	Pass
				50	12	-6.137	-0.0027	-2.5 to 2.5	Pass
	2350	25	0	20	10.2	9.127	0.0039	-2.5 to 2.5	Pass
					12	8.841	0.0038	-2.5 to 2.5	Pass
					13.8	-1.202	-0.0005	-2.5 to 2.5	Pass
				-30	12	1.802	0.0008	-2.5 to 2.5	Pass
				-20	12	1.788	0.0008	-2.5 to 2.5	Pass
				-10	12	7.982	0.0034	-2.5 to 2.5	Pass

				0	12	5.293	0.0023	-2.5 to 2.5	Pass
				10	12	9.298	0.0040	-2.5 to 2.5	Pass
				30	12	0.100	0.0000	-2.5 to 2.5	Pass
				40	12	9.327	0.0040	-2.5 to 2.5	Pass
				50	12	5.221	0.0022	-2.5 to 2.5	Pass
	2397.5	25	0	20	10.2	2.775	0.0012	-2.5 to 2.5	Pass
					12	8.912	0.0037	-2.5 to 2.5	Pass
					13.8	7.339	0.0031	-2.5 to 2.5	Pass
				-30	12	7.367	0.0031	-2.5 to 2.5	Pass
				-20	12	9.041	0.0038	-2.5 to 2.5	Pass
				-10	12	6.022	0.0025	-2.5 to 2.5	Pass
				0	12	8.612	0.0036	-2.5 to 2.5	Pass
				10	12	4.506	0.0019	-2.5 to 2.5	Pass
				30	12	2.260	0.0009	-2.5 to 2.5	Pass
				40	12	0.730	0.0003	-2.5 to 2.5	Pass
				50	12	3.533	0.0015	-2.5 to 2.5	Pass

2.1.2 B40_10MHz

Band: 40 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2305	50	0	20	10.2	2.060	0.0009	-2.5 to 2.5	Pass
					12	-2.718	-0.0012	-2.5 to 2.5	Pass
					13.8	4.005	0.0017	-2.5 to 2.5	Pass
				-30	12	0.129	0.0001	-2.5 to 2.5	Pass
				-20	12	0.000	0.0000	-2.5 to 2.5	Pass
				-10	12	-0.873	-0.0004	-2.5 to 2.5	Pass
				0	12	5.550	0.0024	-2.5 to 2.5	Pass
				10	12	6.351	0.0028	-2.5 to 2.5	Pass
				30	12	6.824	0.0030	-2.5 to 2.5	Pass
				40	12	5.579	0.0024	-2.5 to 2.5	Pass
	2350	50	0	20	10.2	0.329	0.0001	-2.5 to 2.5	Pass
					12	0.615	0.0003	-2.5 to 2.5	Pass
					13.8	2.918	0.0012	-2.5 to 2.5	Pass
				-30	12	2.732	0.0012	-2.5 to 2.5	Pass
				-20	12	0.129	0.0001	-2.5 to 2.5	Pass
				-10	12	0.014	0.0000	-2.5 to 2.5	Pass
				0	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				10	12	10.529	0.0045	-2.5 to 2.5	Pass
				30	12	0.815	0.0003	-2.5 to 2.5	Pass
				40	12	7.567	0.0032	-2.5 to 2.5	Pass
	2395	50	0	20	10.2	0.544	0.0002	-2.5 to 2.5	Pass
					12	-2.775	-0.0012	-2.5 to 2.5	Pass
					13.8	-0.801	-0.0003	-2.5 to 2.5	Pass
				-30	12	6.967	0.0029	-2.5 to 2.5	Pass
				-20	12	1.559	0.0007	-2.5 to 2.5	Pass
				-10	12	5.994	0.0025	-2.5 to 2.5	Pass
				0	12	5.364	0.0022	-2.5 to 2.5	Pass
				10	12	2.418	0.0010	-2.5 to 2.5	Pass
				30	12	2.360	0.0010	-2.5 to 2.5	Pass
				40	12	6.666	0.0028	-2.5 to 2.5	Pass
				50	12	8.483	0.0035	-2.5 to 2.5	Pass
				50	12	1.130	0.0005	-2.5 to 2.5	Pass

2.1.3 B40_15MHz

Band: 40 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	75	0	20	10.2	0.300	0.0001	-2.5 to 2.5	Pass
					12	-0.157	-0.0001	-2.5 to 2.5	Pass
					13.8	5.178	0.0022	-2.5 to 2.5	Pass
				-30	12	7.710	0.0033	-2.5 to 2.5	Pass
				-20	12	0.787	0.0003	-2.5 to 2.5	Pass
				-10	12	1.674	0.0007	-2.5 to 2.5	Pass
				0	12	3.805	0.0016	-2.5 to 2.5	Pass
				10	12	6.323	0.0027	-2.5 to 2.5	Pass
				30	12	4.320	0.0019	-2.5 to 2.5	Pass
				40	12	7.439	0.0032	-2.5 to 2.5	Pass
				50	12	0.057	0.0000	-2.5 to 2.5	Pass
	2350	75	0	20	10.2	1.259	0.0005	-2.5 to 2.5	Pass
					12	-0.472	-0.0002	-2.5 to 2.5	Pass
					13.8	8.483	0.0036	-2.5 to 2.5	Pass
				-30	12	7.439	0.0032	-2.5 to 2.5	Pass
				-20	12	6.509	0.0028	-2.5 to 2.5	Pass
				-10	12	10.486	0.0045	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	-0.844	-0.0004	-2.5 to 2.5	Pass
				30	12	6.166	0.0026	-2.5 to 2.5	Pass
				40	12	7.524	0.0032	-2.5 to 2.5	Pass
				50	12	1.917	0.0008	-2.5 to 2.5	Pass
	2392.5	75	0	20	10.2	-4.520	-0.0019	-2.5 to 2.5	Pass
					12	3.490	0.0015	-2.5 to 2.5	Pass
					13.8	-0.472	-0.0002	-2.5 to 2.5	Pass
				-30	12	2.875	0.0012	-2.5 to 2.5	Pass
				-20	12	0.300	0.0001	-2.5 to 2.5	Pass
				-10	12	2.117	0.0009	-2.5 to 2.5	Pass
				0	12	1.459	0.0006	-2.5 to 2.5	Pass
				10	12	2.446	0.0010	-2.5 to 2.5	Pass
				30	12	0.043	0.0000	-2.5 to 2.5	Pass
				40	12	-3.791	-0.0016	-2.5 to 2.5	Pass
				50	12	-6.881	-0.0029	-2.5 to 2.5	Pass

2.1.4 B40_20MHz

Band: 40 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	100	0	20	10.2	-6.909	-0.0030	-2.5 to 2.5	Pass
					12	-2.203	-0.0010	-2.5 to 2.5	Pass
					13.8	-6.123	-0.0027	-2.5 to 2.5	Pass
				-30	12	2.131	0.0009	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0002	-2.5 to 2.5	Pass
				-10	12	-0.629	-0.0003	-2.5 to 2.5	Pass
				0	12	-2.317	-0.0010	-2.5 to 2.5	Pass
				10	12	-0.858	-0.0004	-2.5 to 2.5	Pass
				30	12	-6.709	-0.0029	-2.5 to 2.5	Pass
				40	12	-1.988	-0.0009	-2.5 to 2.5	Pass
				50	12	-4.020	-0.0017	-2.5 to 2.5	Pass
	2350	100	0	20	10.2	3.376	0.0014	-2.5 to 2.5	Pass
					12	4.935	0.0021	-2.5 to 2.5	Pass
					13.8	8.526	0.0036	-2.5 to 2.5	Pass
				-30	12	0.801	0.0003	-2.5 to 2.5	Pass
				-20	12	7.467	0.0032	-2.5 to 2.5	Pass
				-10	12	1.030	0.0004	-2.5 to 2.5	Pass
				0	12	6.166	0.0026	-2.5 to 2.5	Pass
				10	12	6.824	0.0029	-2.5 to 2.5	Pass
				30	12	8.883	0.0038	-2.5 to 2.5	Pass
				40	12	8.054	0.0034	-2.5 to 2.5	Pass
				50	12	0.916	0.0004	-2.5 to 2.5	Pass
	2390	100	0	20	10.2	3.777	0.0016	-2.5 to 2.5	Pass
					12	7.753	0.0032	-2.5 to 2.5	Pass
					13.8	4.649	0.0019	-2.5 to 2.5	Pass
				-30	12	0.801	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.101	-0.0005	-2.5 to 2.5	Pass
				-10	12	6.251	0.0026	-2.5 to 2.5	Pass
				0	12	-0.486	-0.0002	-2.5 to 2.5	Pass
				10	12	8.197	0.0034	-2.5 to 2.5	Pass
				30	12	4.249	0.0018	-2.5 to 2.5	Pass
				40	12	8.168	0.0034	-2.5 to 2.5	Pass
				50	12	-0.672	-0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B40_5MHz

Band: 40 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2350	25	0	Refer To Test Graph		Pass
16QAM	2350	25	0	Refer To Test Graph		Pass

3.1.2 B40_10MHz

Band: 40 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2350	50	0	Refer To Test Graph		Pass

3.1.3 B40_15MHz

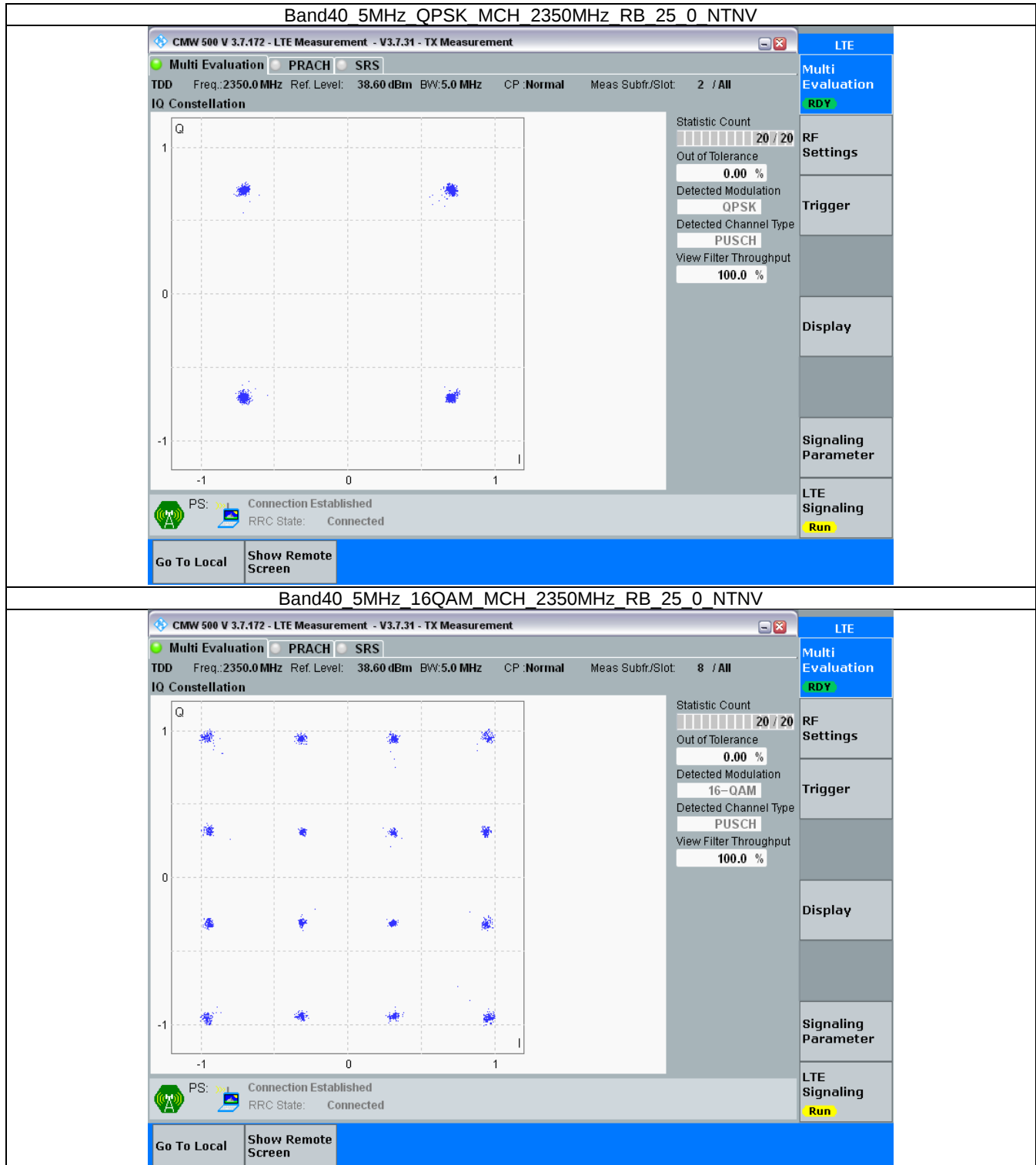
Band: 40 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2350	75	0	Refer To Test Graph		Pass

3.1.4 B40_20MHz

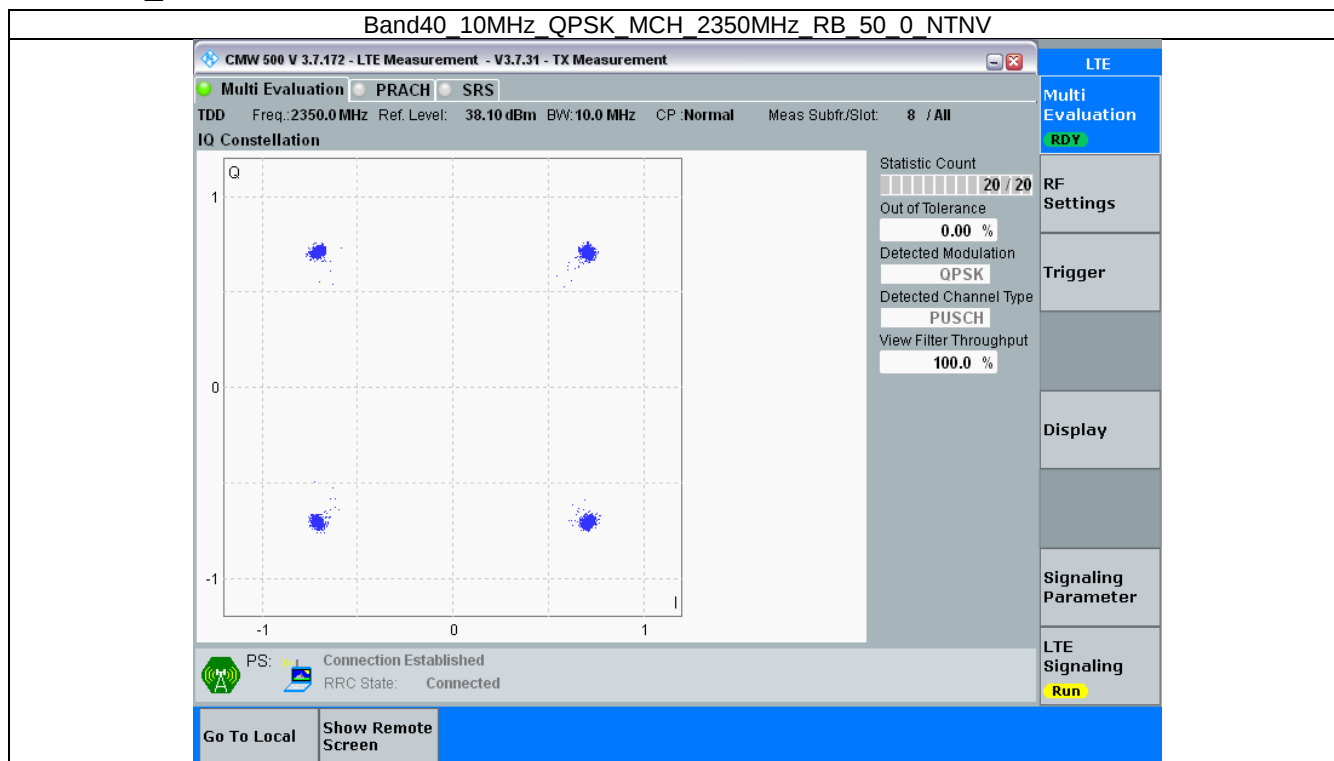
Band: 40 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2350	100	0	Refer To Test Graph		Pass

3.2 Test Graph

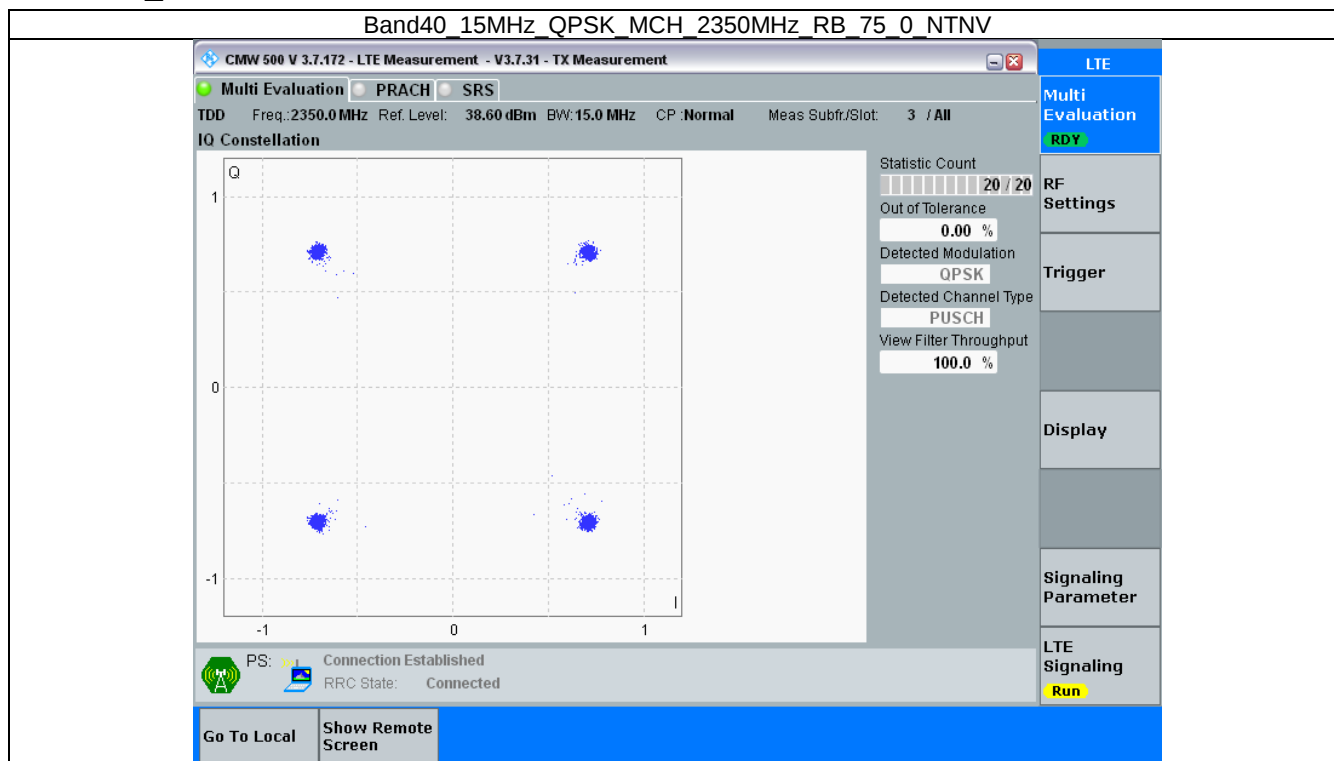
3.2.1 B40_5MHz



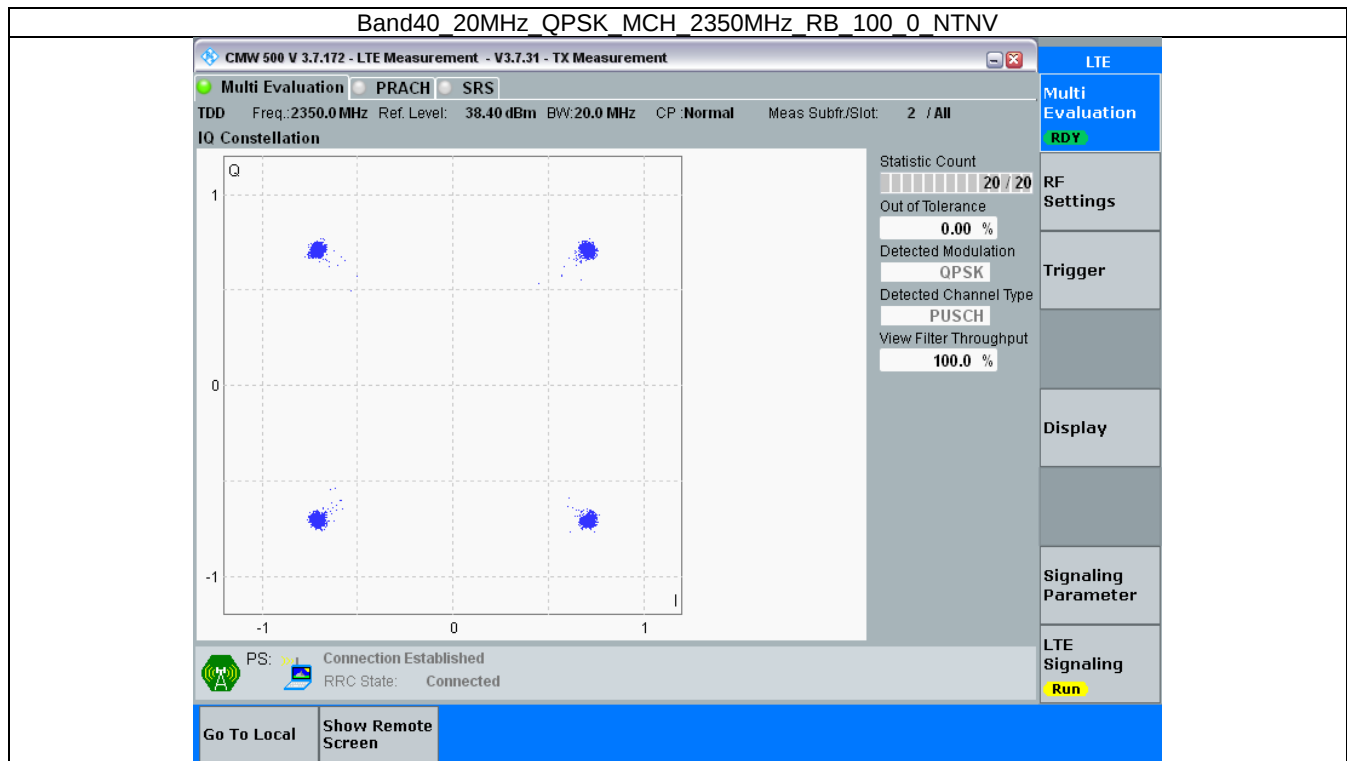
3.2.2 B40_10MHz



3.2.3 B40_15MHz



3.2.4 B40_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band40_OBW

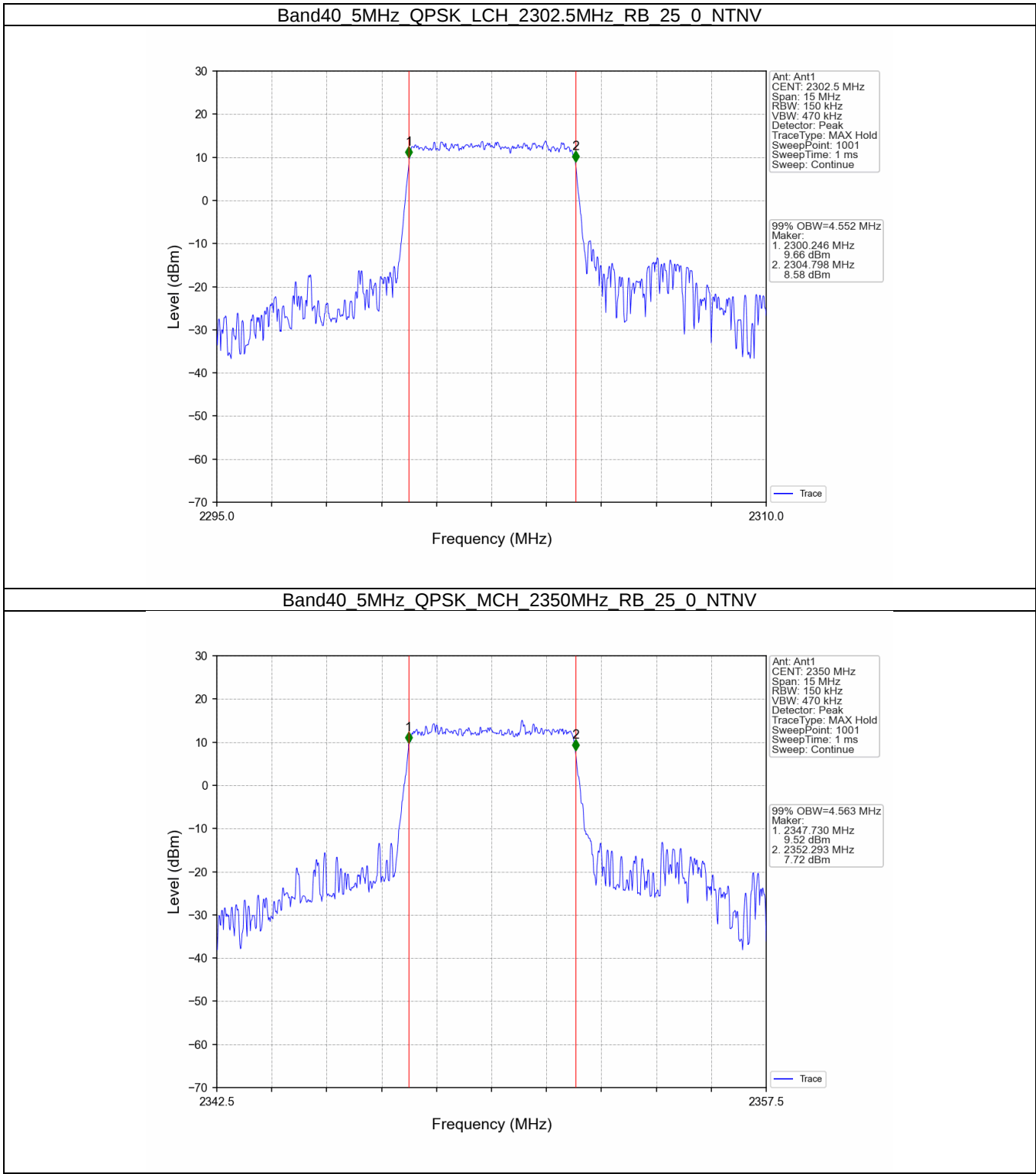
Band: 40 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2302.5	25	0	4.552	/	Pass
		2350	25	0	4.563	/	Pass
		2397.5	25	0	4.550	/	Pass
	16QAM	2302.5	25	0	4.602	/	Pass
		2350	25	0	4.568	/	Pass
		2397.5	25	0	4.541	/	Pass
10	QPSK	2305	50	0	9.064	/	Pass
		2350	50	0	9.195	/	Pass
		2395	50	0	9.078	/	Pass
15	QPSK	2307.5	75	0	13.583	/	Pass
		2350	75	0	13.657	/	Pass
		2392.5	75	0	13.615	/	Pass
20	QPSK	2310	100	0	18.081	/	Pass
		2350	100	0	18.136	/	Pass
		2390	100	0	18.115	/	Pass

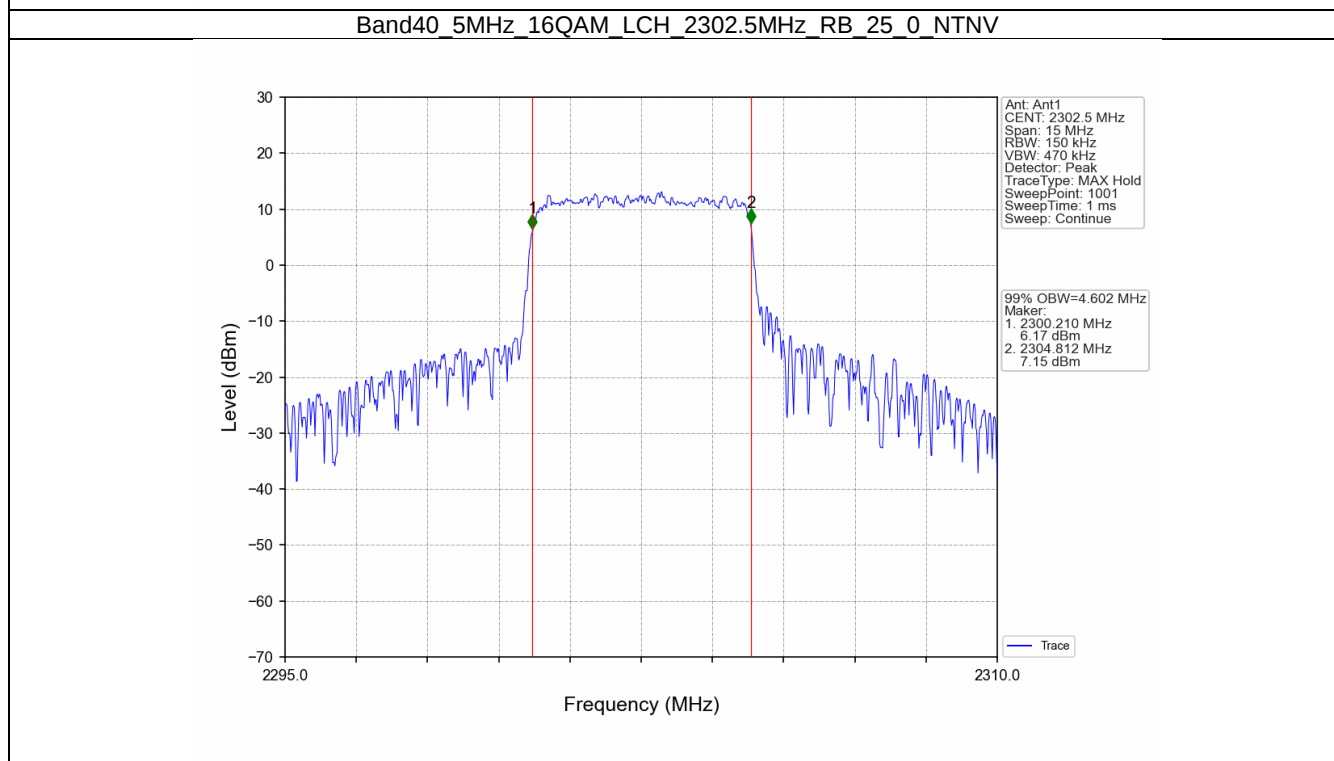
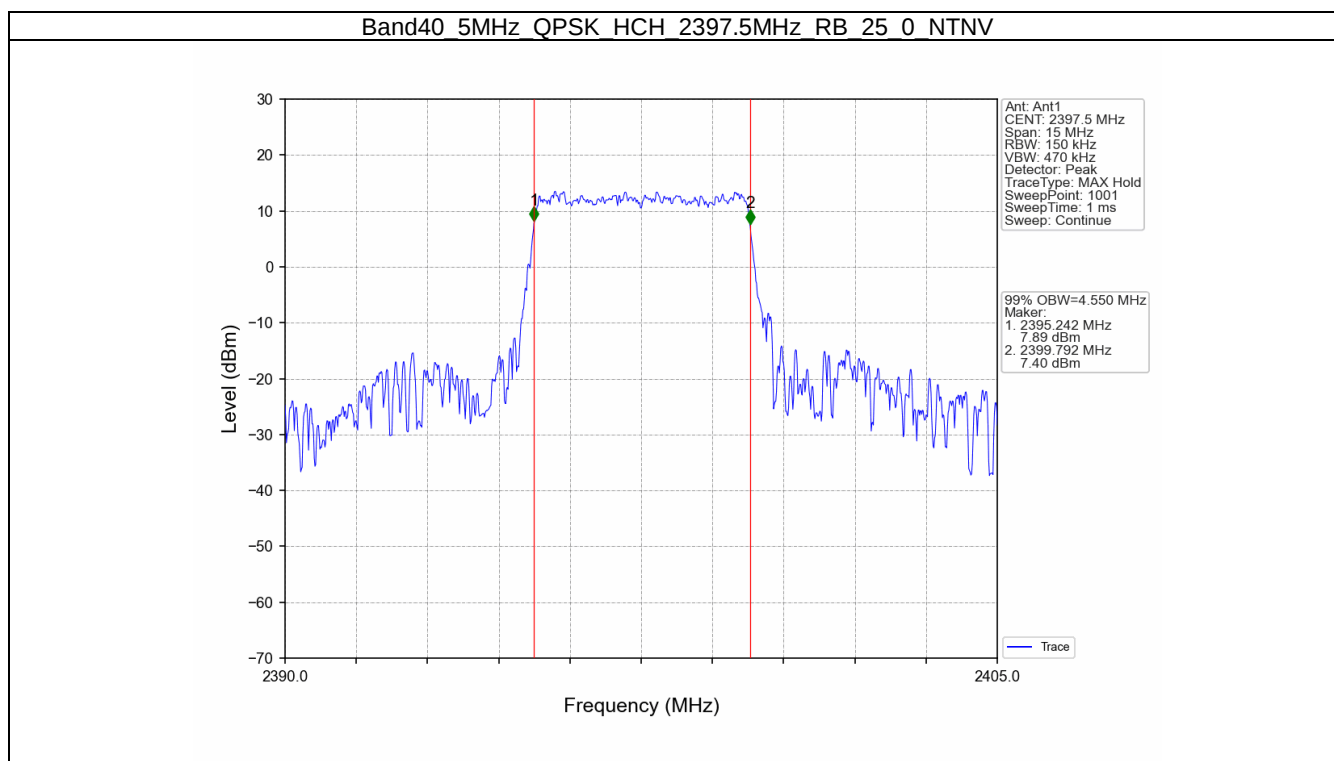
4.1.2 Band40_XDB

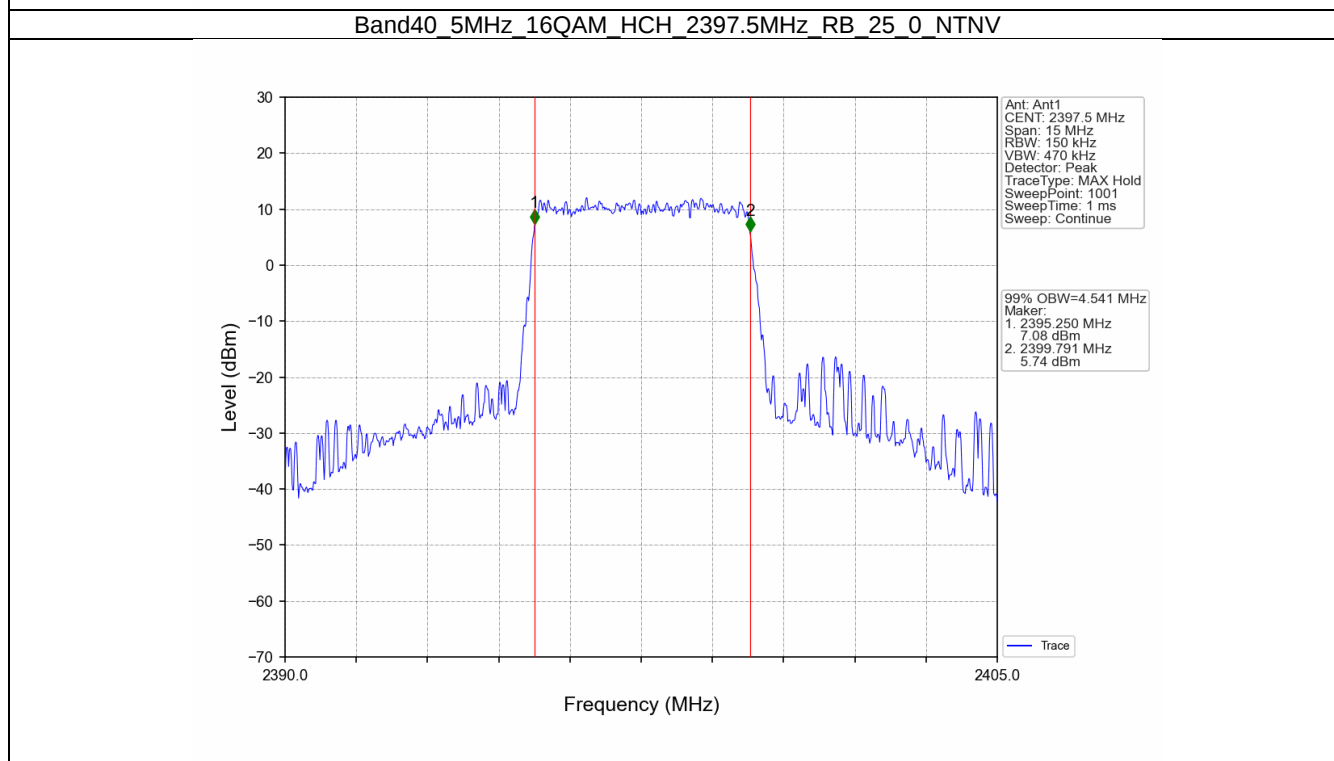
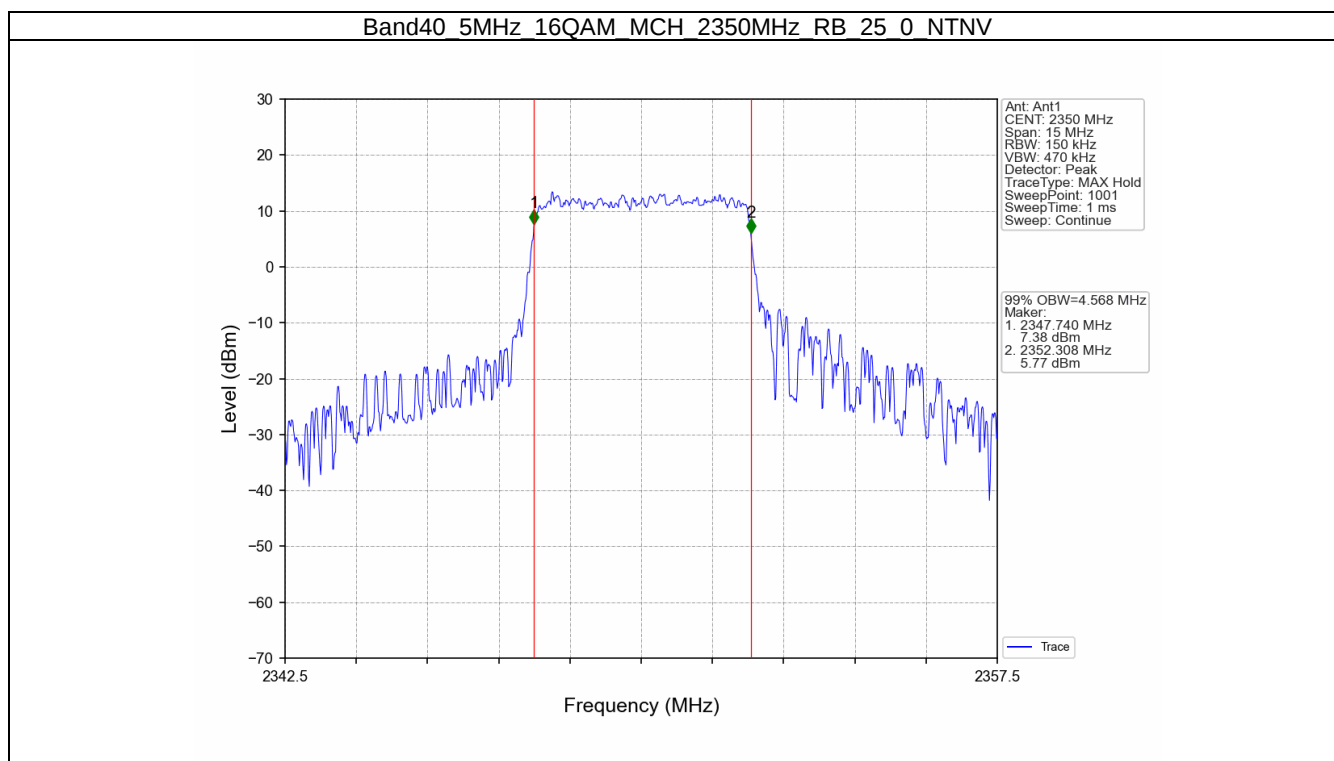
Band: 40 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2302.5	25	0	5.288	/	Pass
		2350	25	0	5.111	/	Pass
		2397.5	25	0	5.305	/	Pass
	16QAM	2302.5	25	0	5.678	/	Pass
		2350	25	0	6.891	/	Pass
		2397.5	25	0	5.077	/	Pass
10	QPSK	2305	50	0	10.974	/	Pass
		2350	50	0	11.894	/	Pass
		2395	50	0	10.870	/	Pass
15	QPSK	2307.5	75	0	19.520	/	Pass
		2350	75	0	18.958	/	Pass
		2392.5	75	0	19.490	/	Pass
20	QPSK	2310	100	0	21.408	/	Pass
		2350	100	0	27.009	/	Pass
		2390	100	0	21.109	/	Pass

4.2 Test Graph

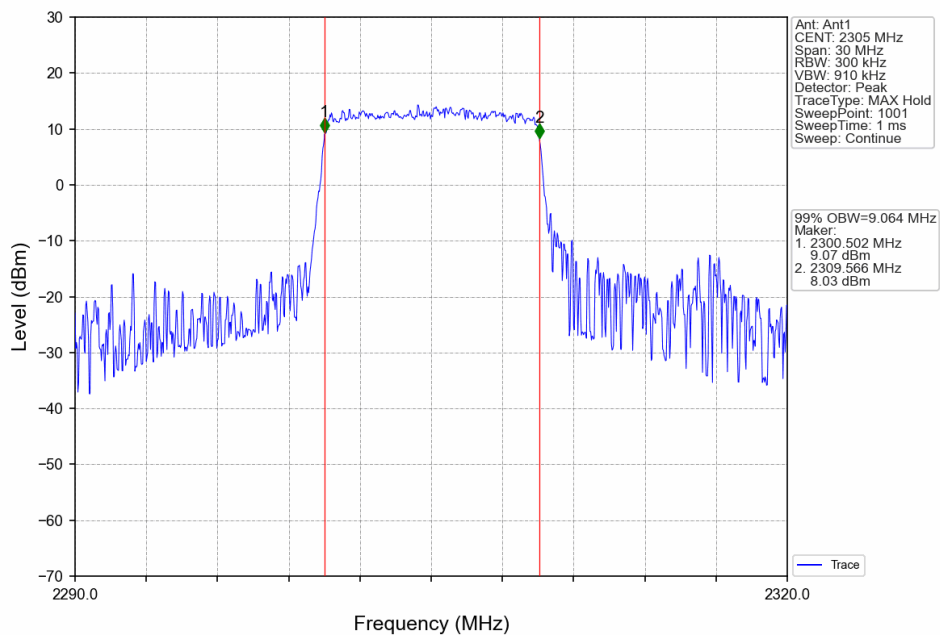
4.2.1 Band40_OBW



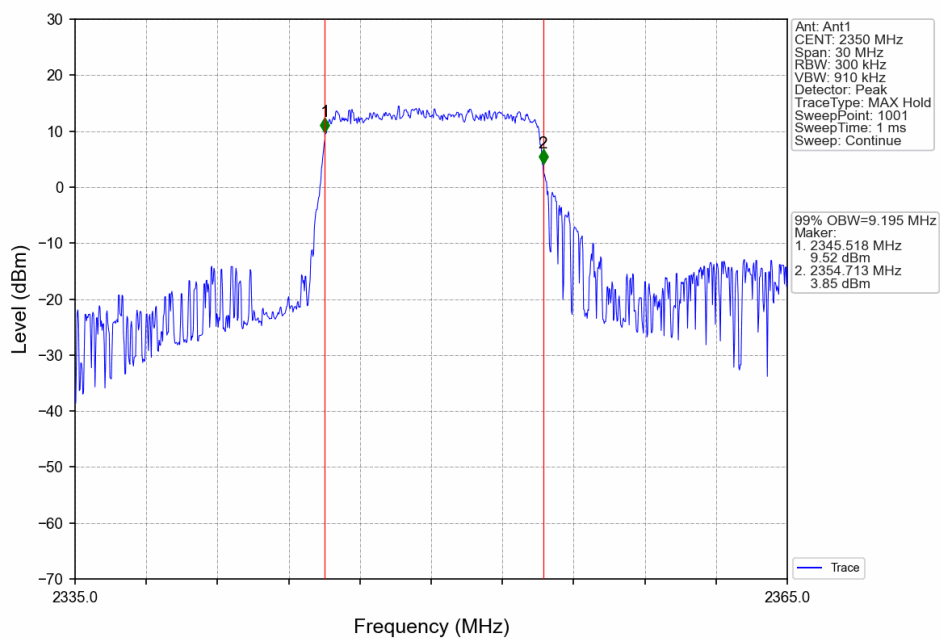




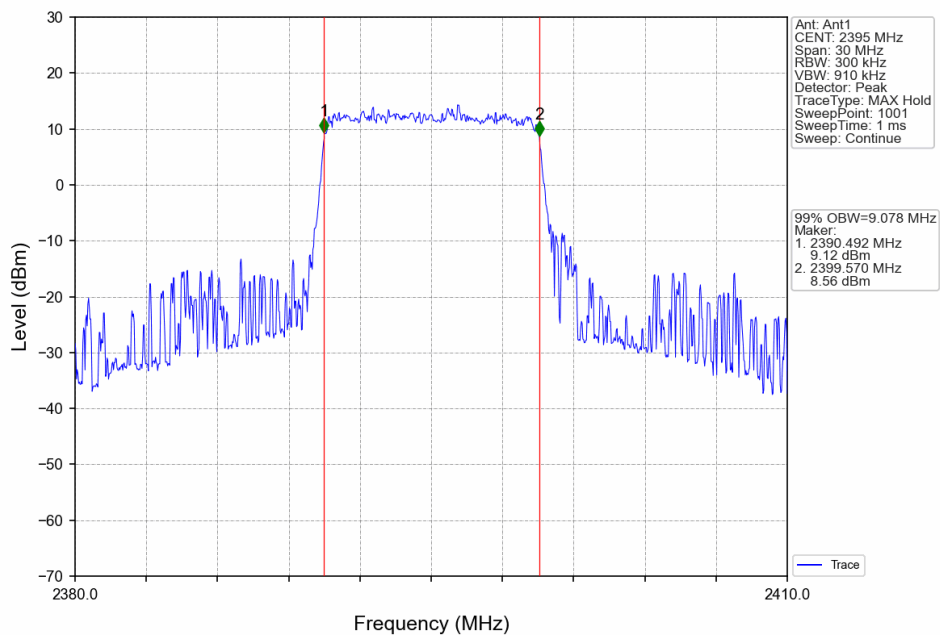
Band40_10MHz_QPSK_LCH_2305MHz_RB_50_0_NTNV



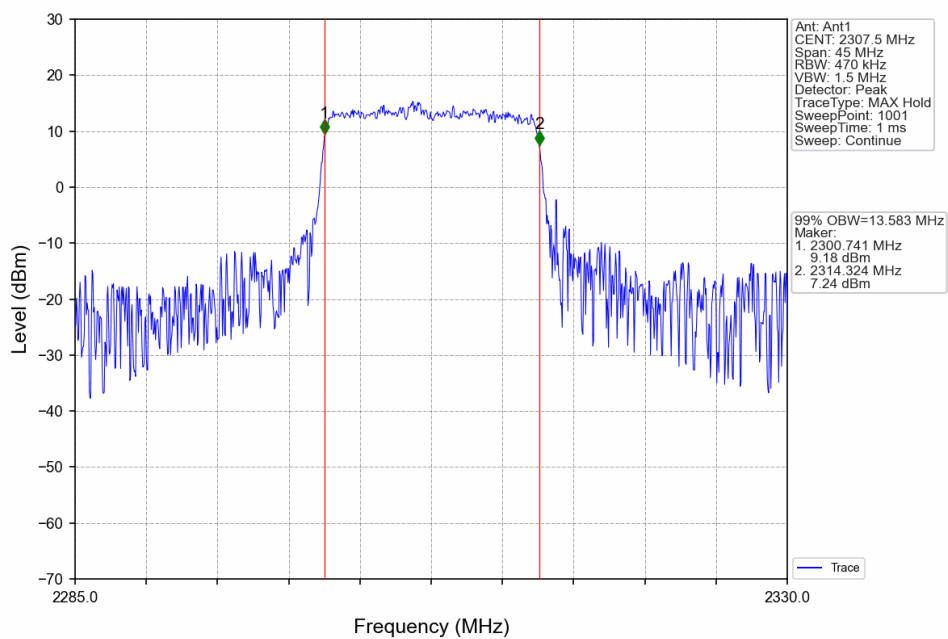
Band40_10MHz_QPSK_MCH_2350MHz_RB_50_0_NTNV



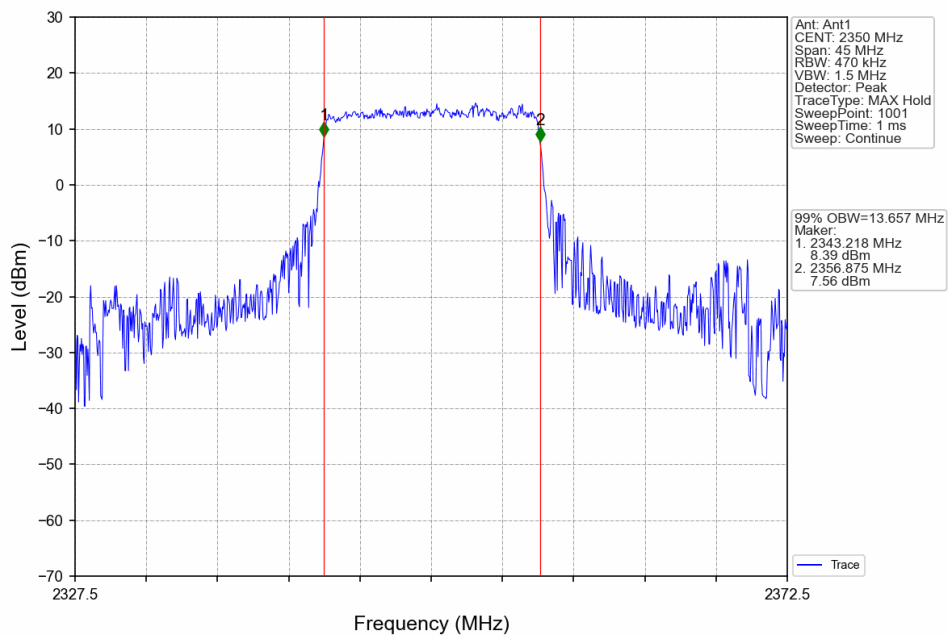
Band40_10MHz_QPSK_HCH_2395MHz_RB_50_0_NTNV



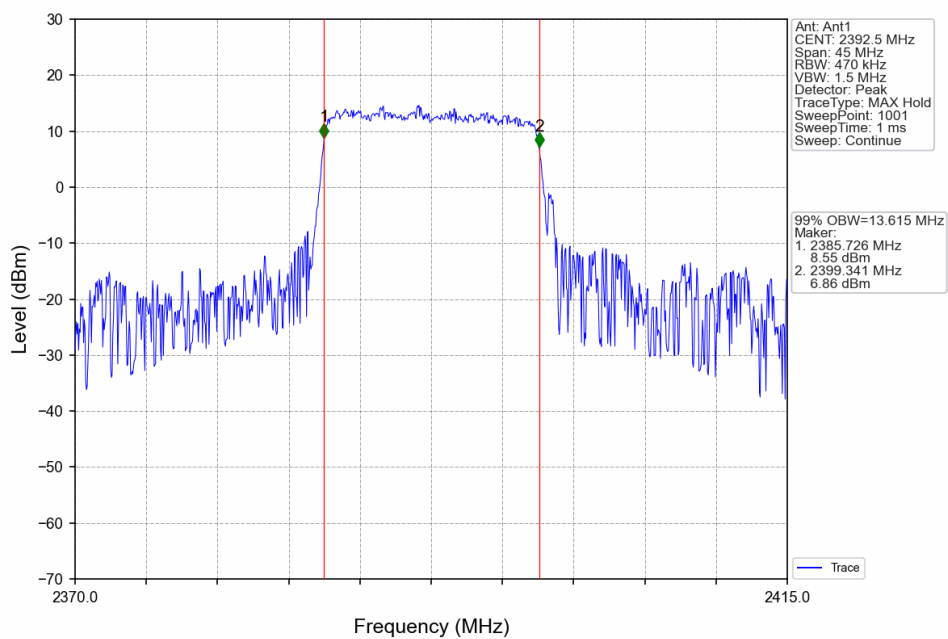
Band40_15MHz_QPSK_LCH_2307.5MHz_RB_75_0_NTNV

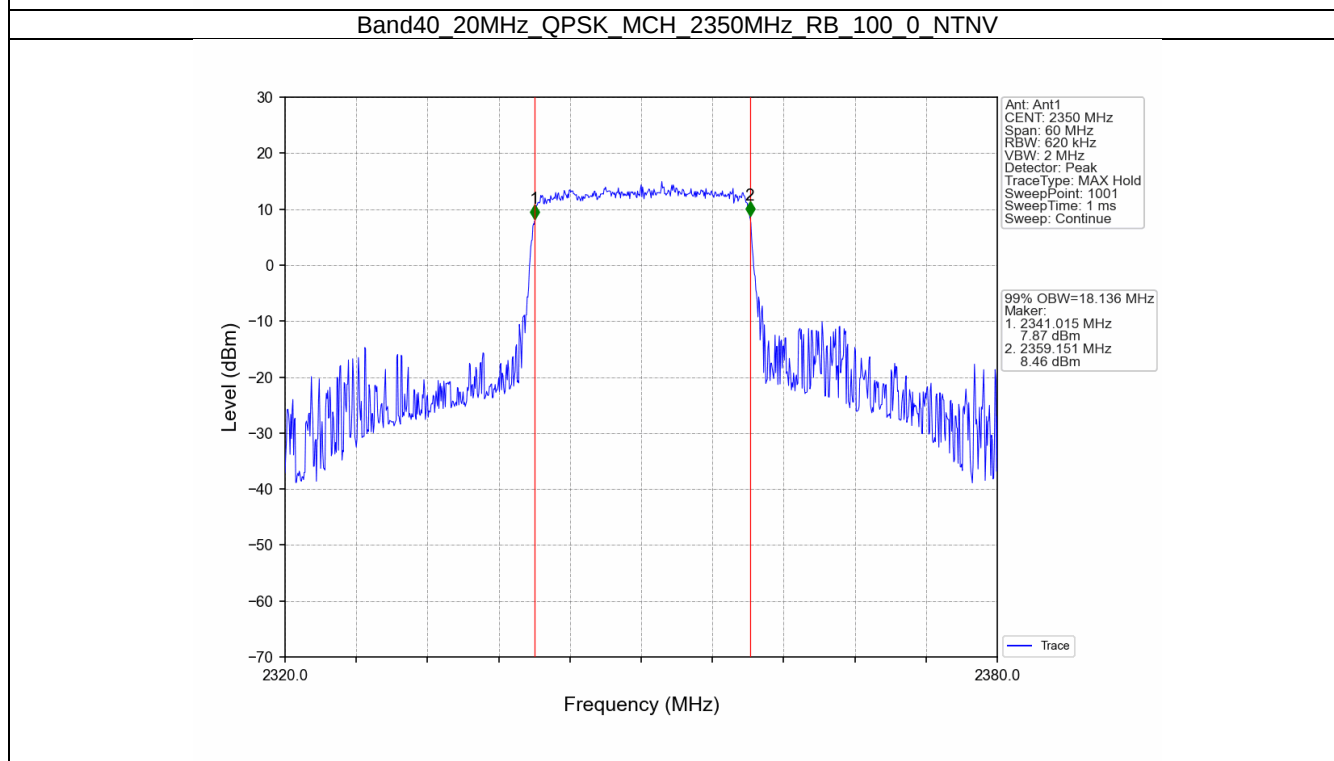
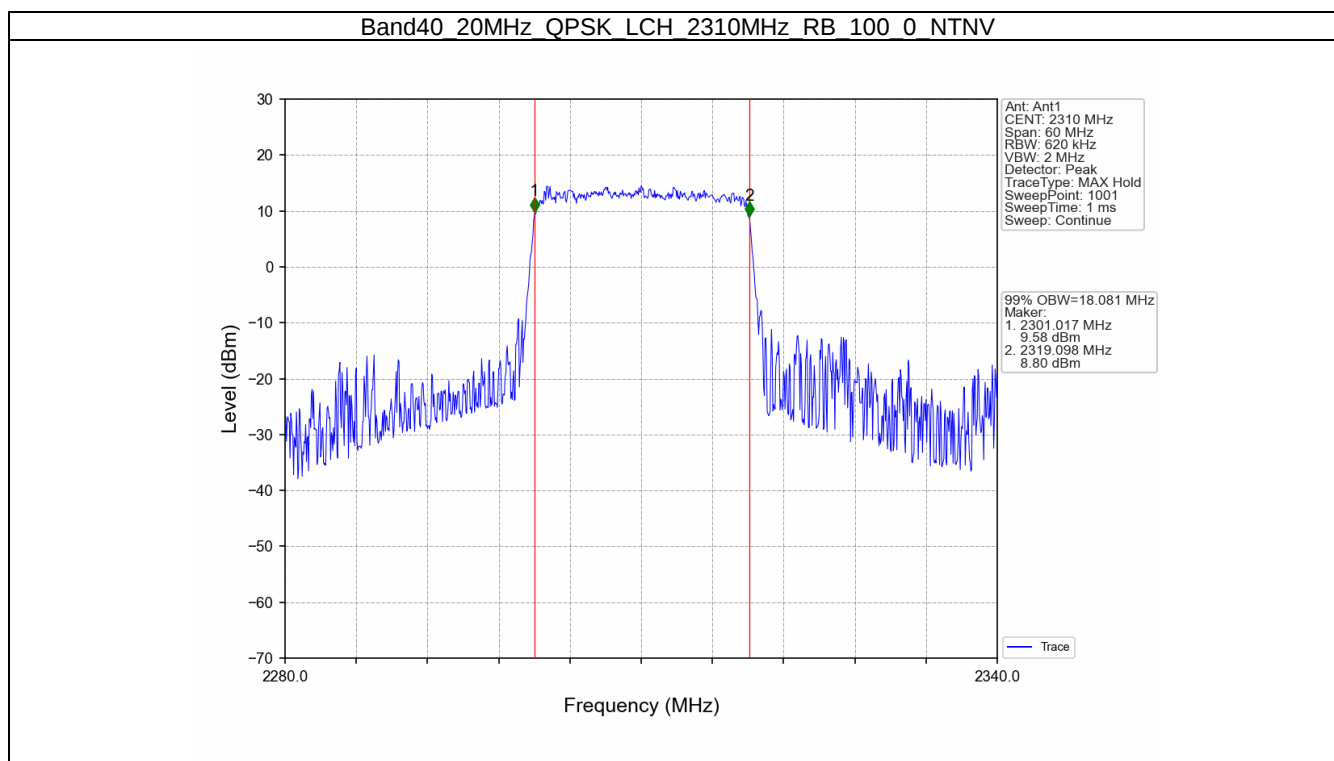


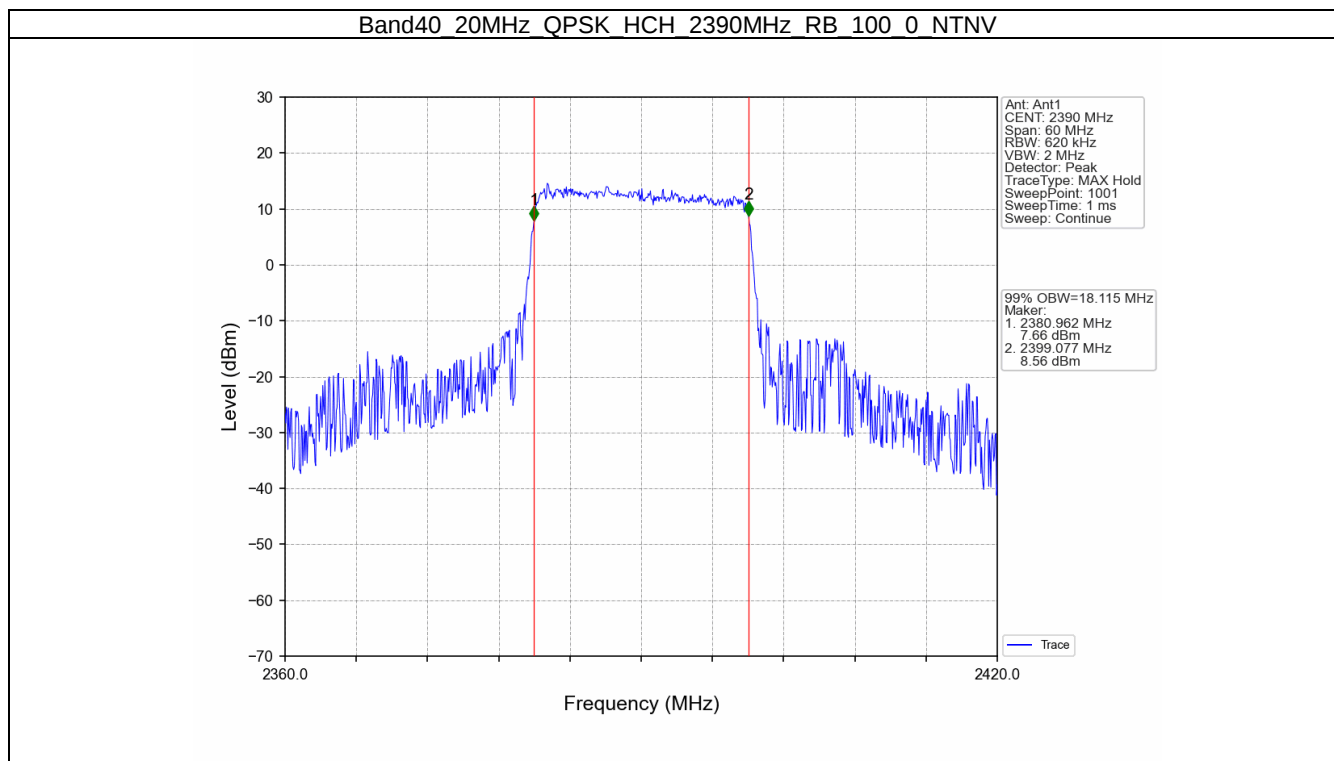
Band40_15MHz_QPSK_MCH_2350MHz_RB_75_0_NTNV



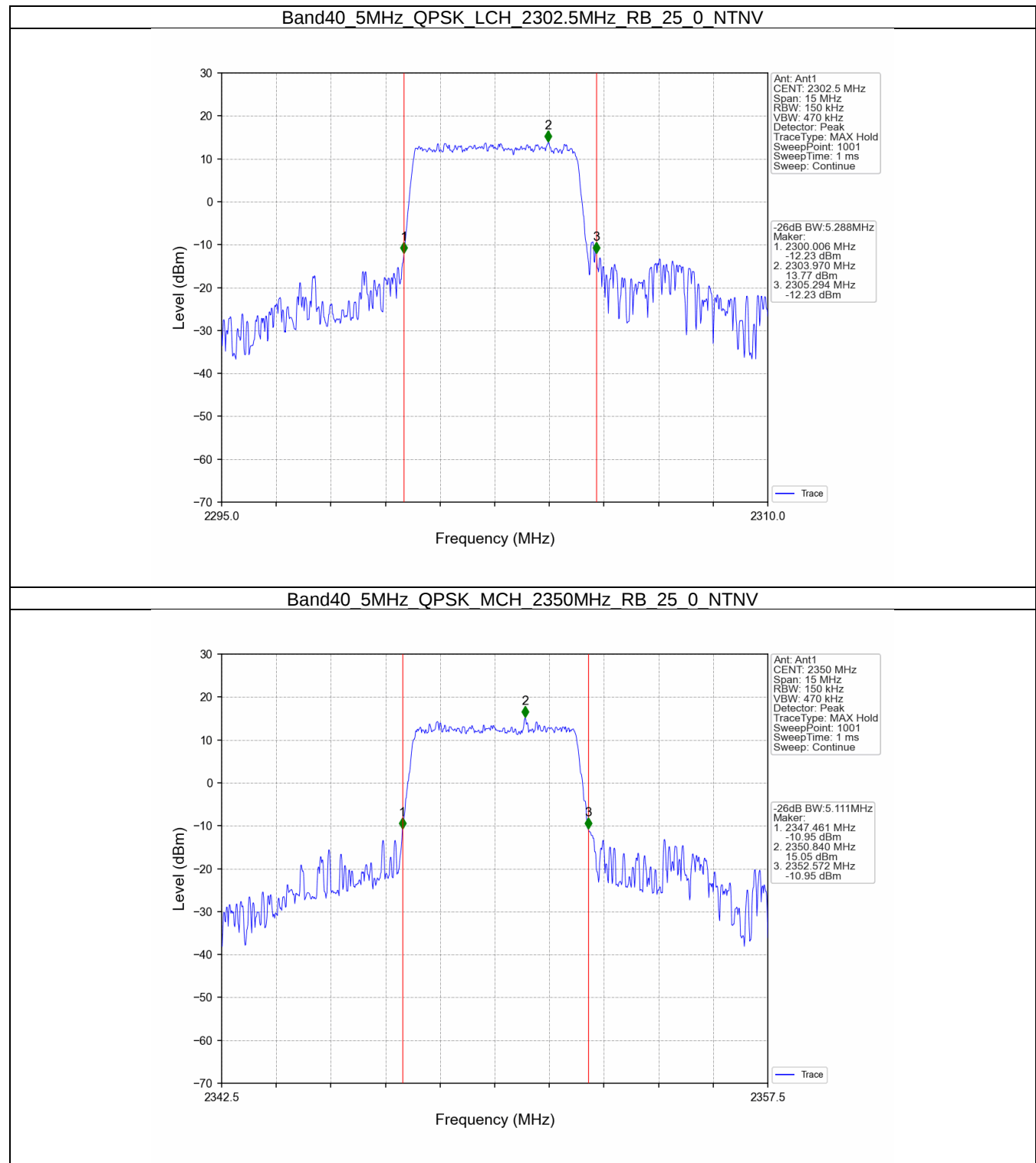
Band40_15MHz_QPSK_HCH_2392.5MHz_RB_75_0_NTNV

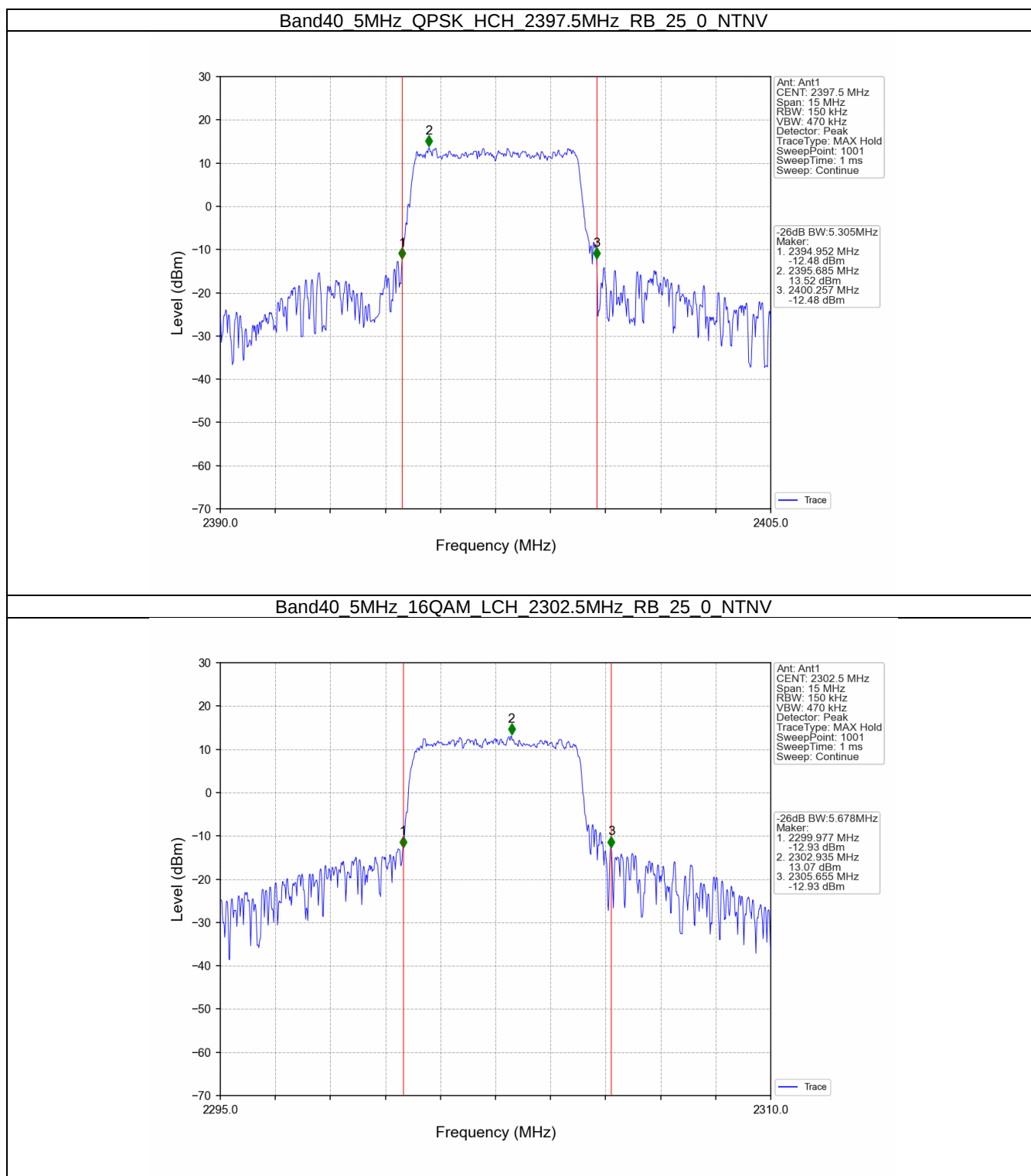


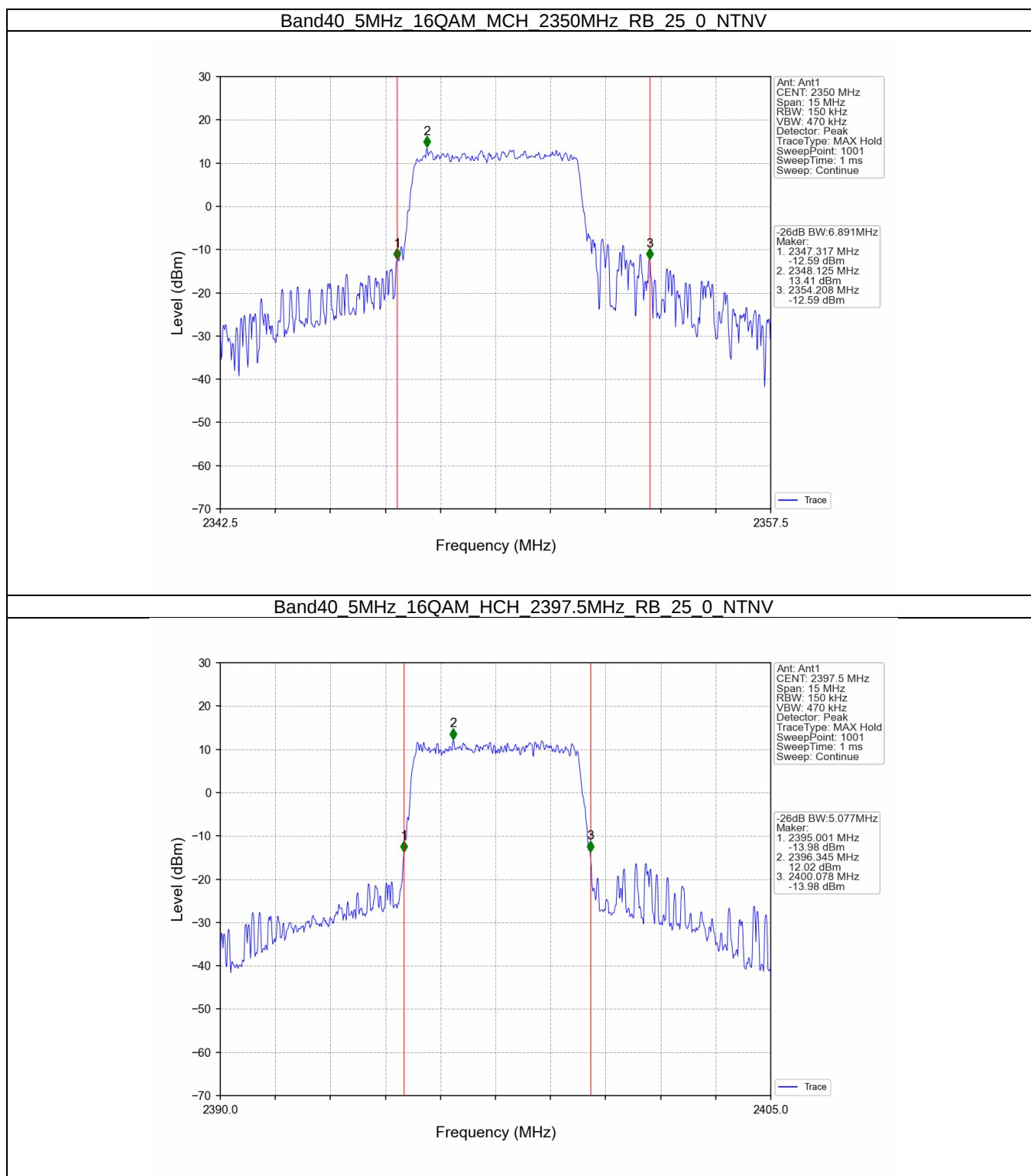




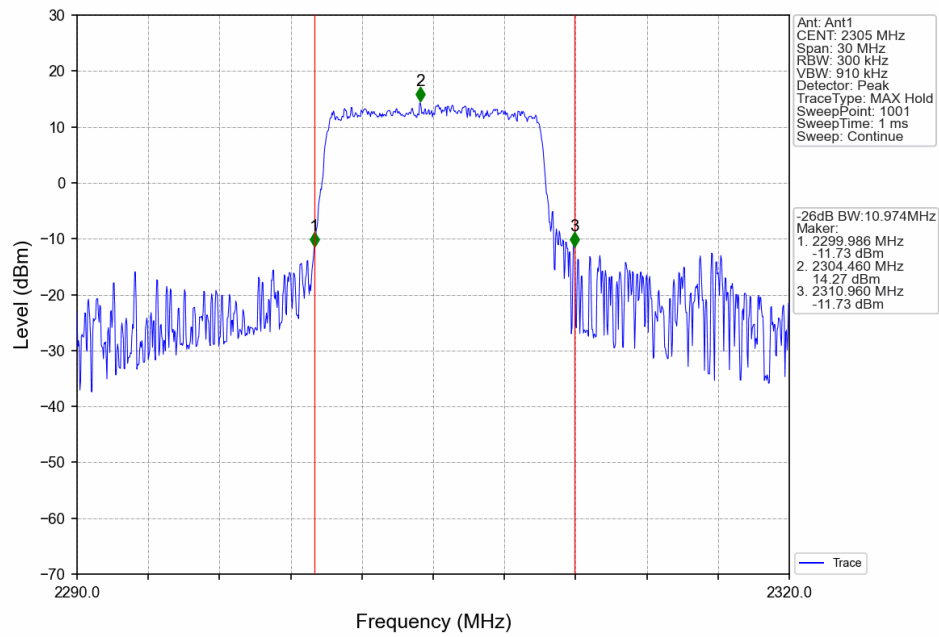
4.2.2 Band40_XDB



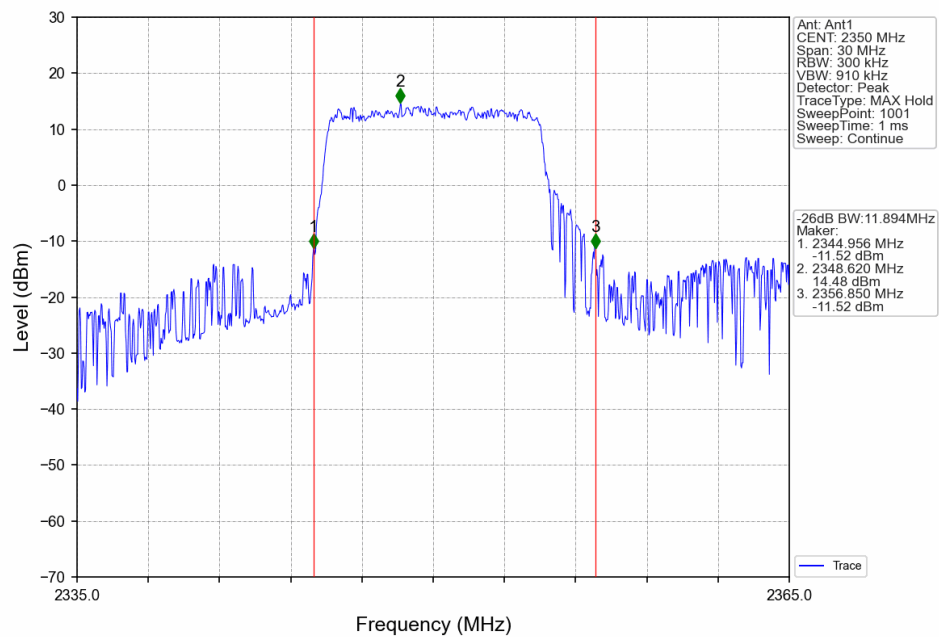




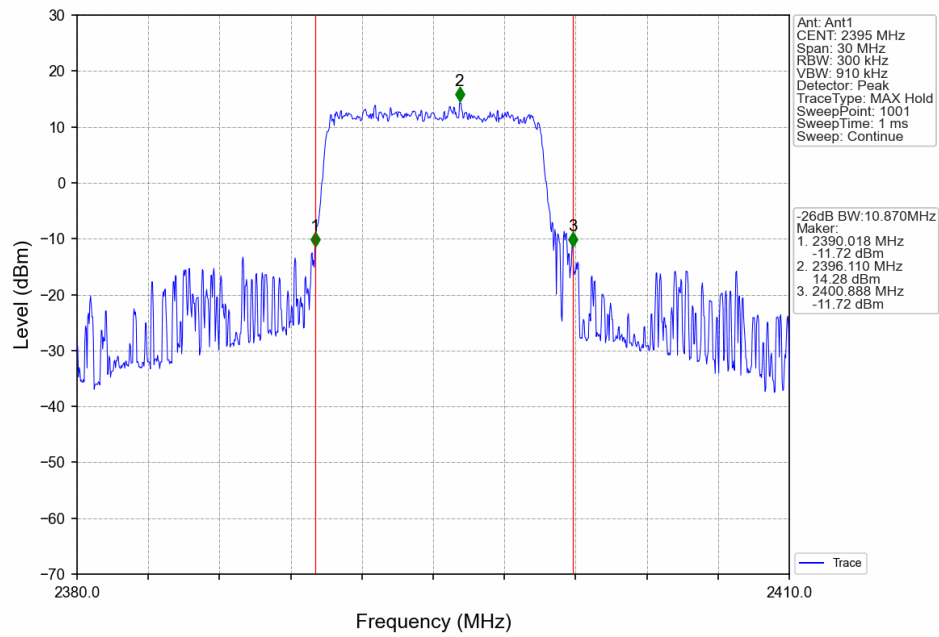
Band40_10MHz_QPSK_LCH_2305MHz_RB_50_0_NTNV



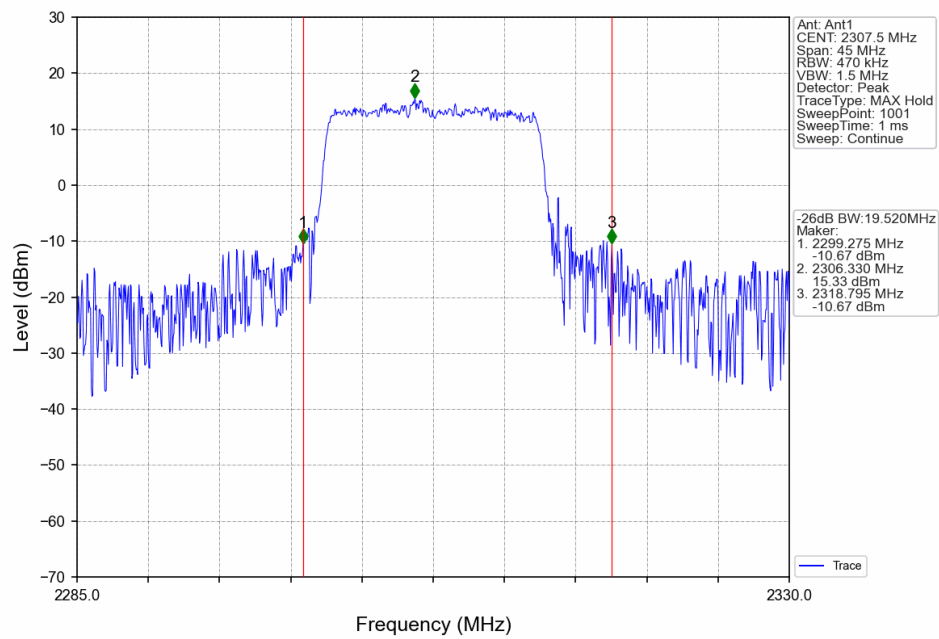
Band40_10MHz_QPSK_MCH_2350MHz_RB_50_0_NTNV



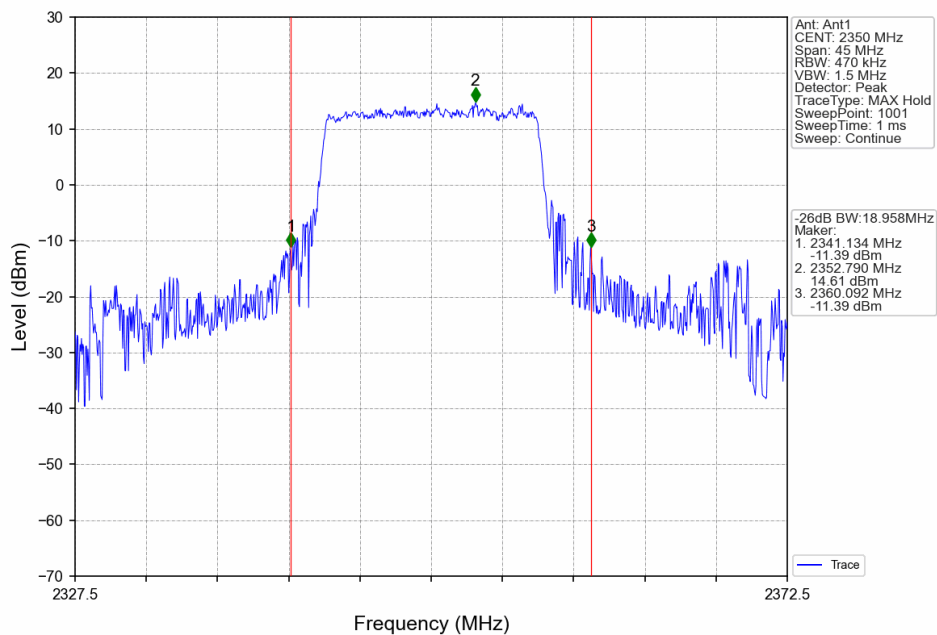
Band40_10MHz_QPSK_HCH_2395MHz_RB_50_0_NTNV



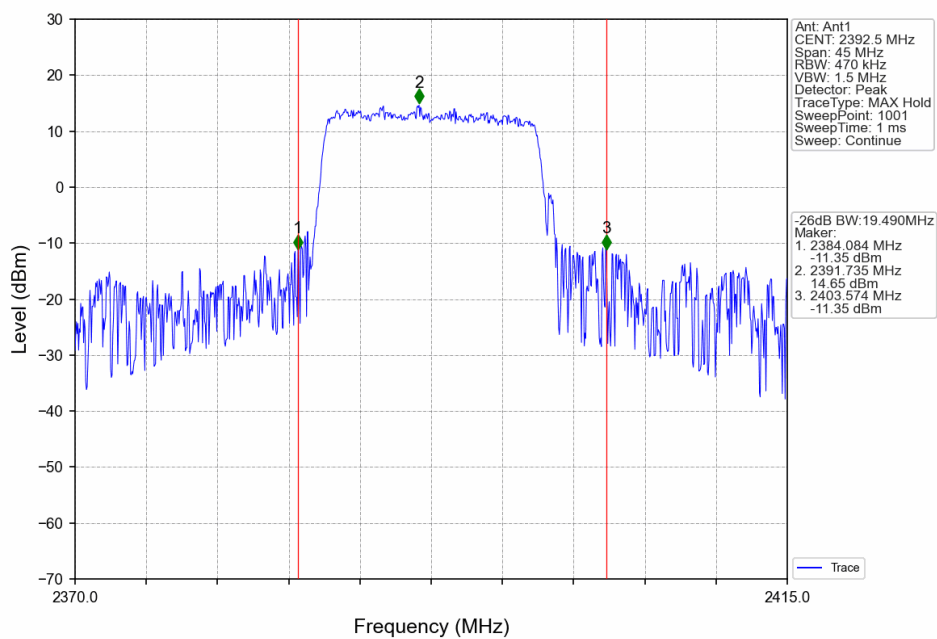
Band40_15MHz_QPSK_LCH_2307.5MHz_RB_75_0_NTNV

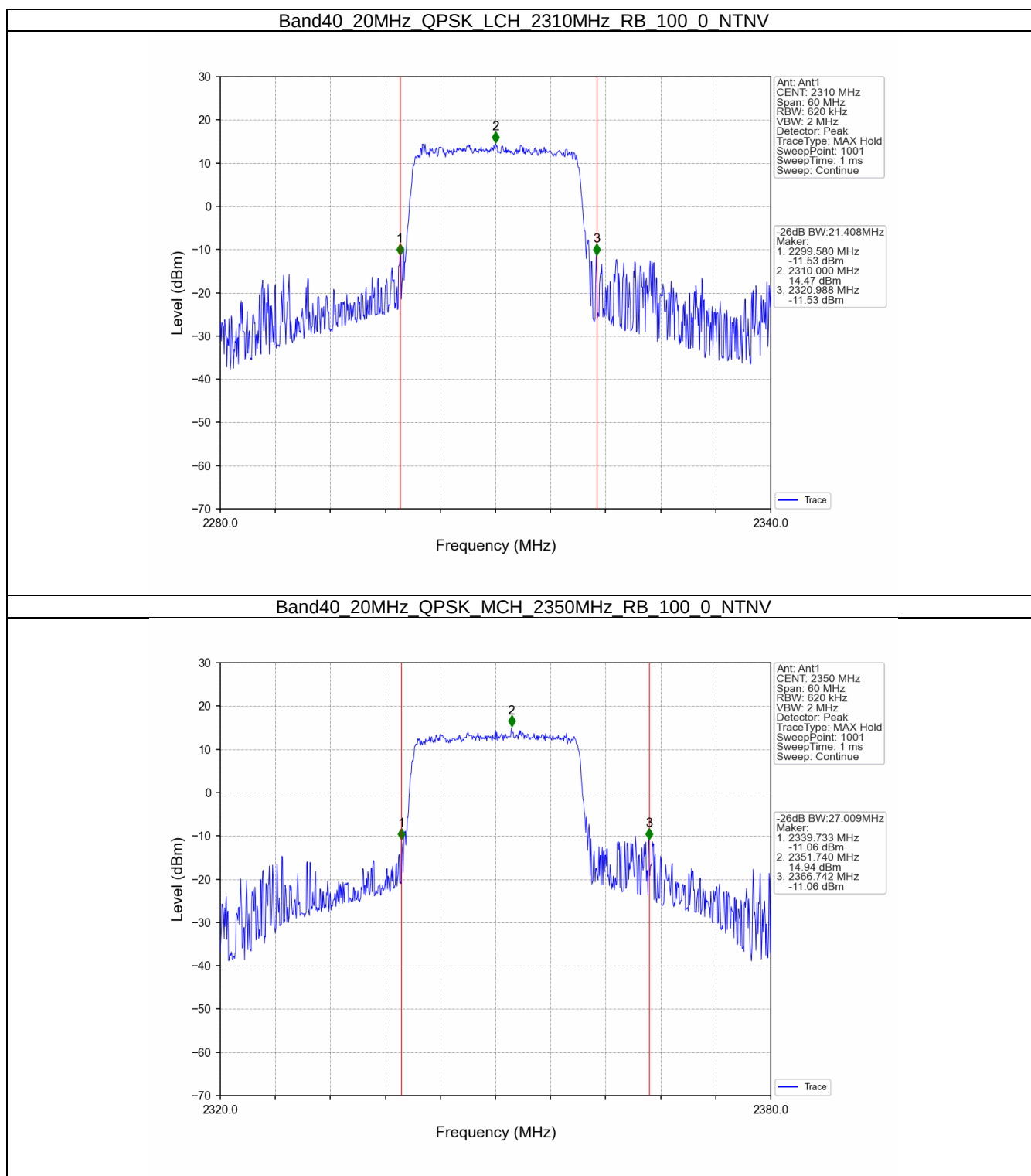


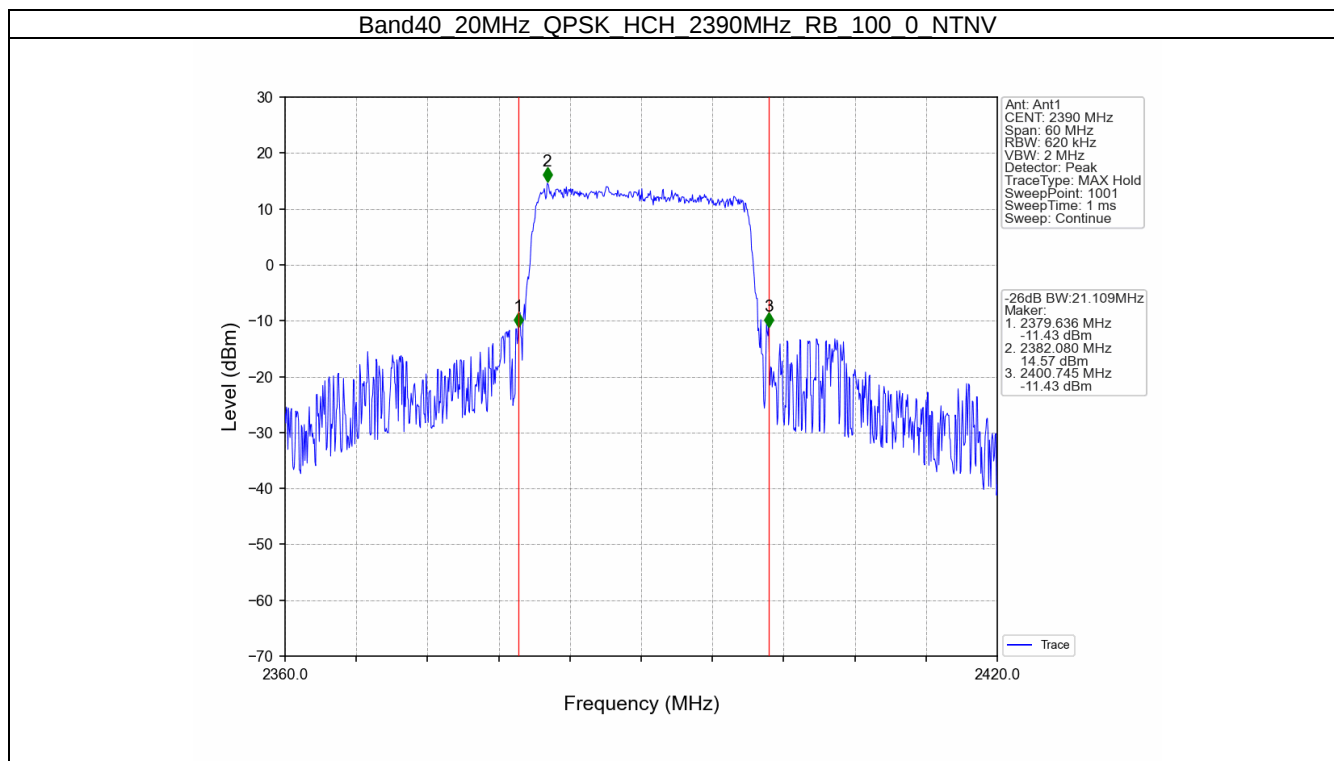
Band40_15MHz_QPSK_MCH_2350MHz_RB_75_0_NTNV



Band40_15MHz_QPSK_HCH_2392.5MHz_RB_75_0_NTNV







5. Peak-Average Ratio

5.1 Test Result

5.1.1 B40_5MHz

Band: 40 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2302.5	25	0	7.38	<=13	Pass
	2350	25	0	7.54	<=13	Pass
	2397.5	25	0	7.64	<=13	Pass
16QAM	2302.5	25	0	8.28	<=13	Pass
	2350	25	0	10.56	<=13	Pass
	2397.5	25	0	8.25	<=13	Pass

5.1.2 B40_10MHz

Band: 40 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2305	50	0	7.37	<=13	Pass
	2350	50	0	7.53	<=13	Pass
	2395	50	0	7.37	<=13	Pass

5.1.3 B40_15MHz

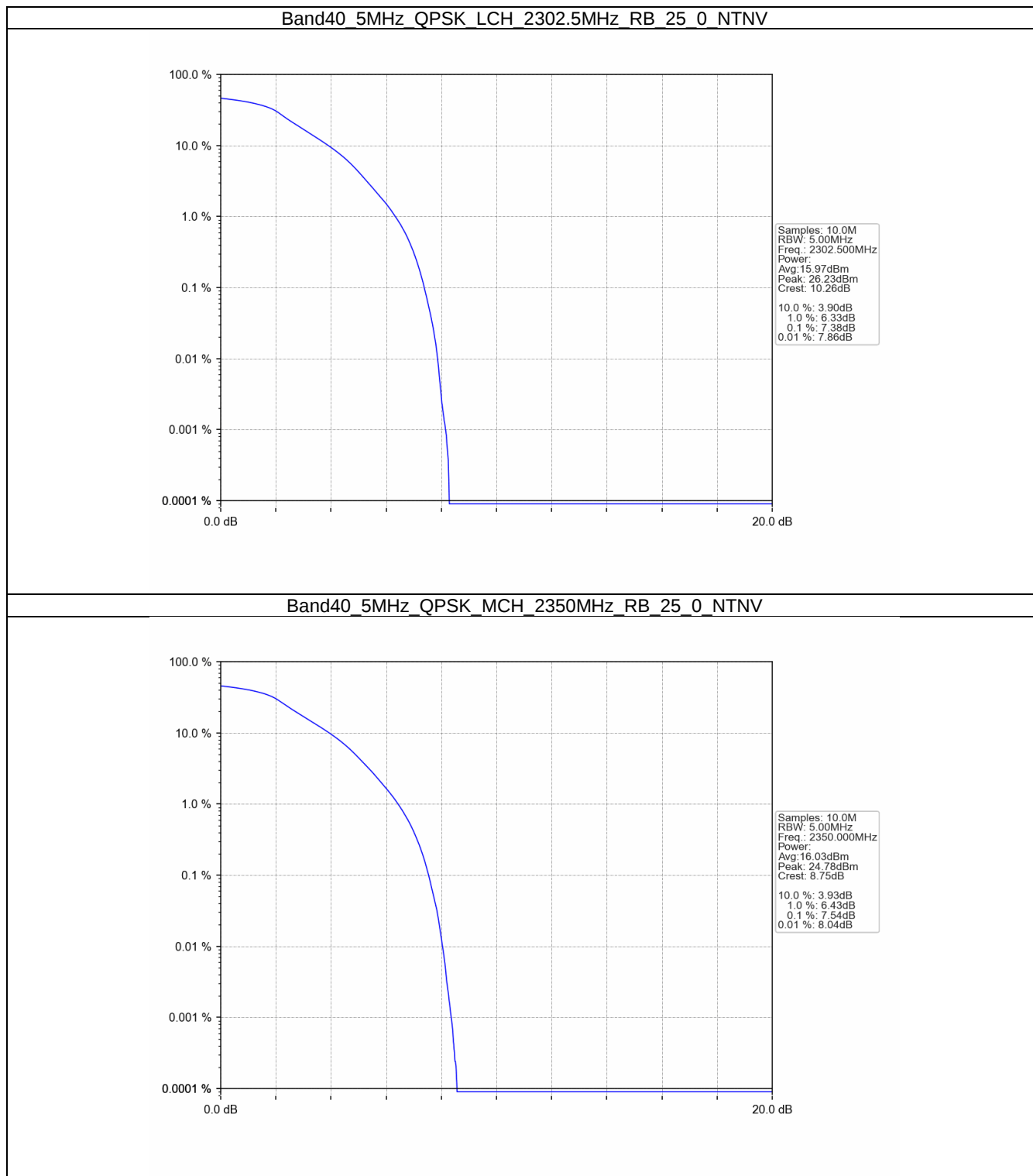
Band: 40 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	75	0	7.56	<=13	Pass
	2350	75	0	7.72	<=13	Pass
	2392.5	75	0	8.37	<=13	Pass

5.1.4 B40_20MHz

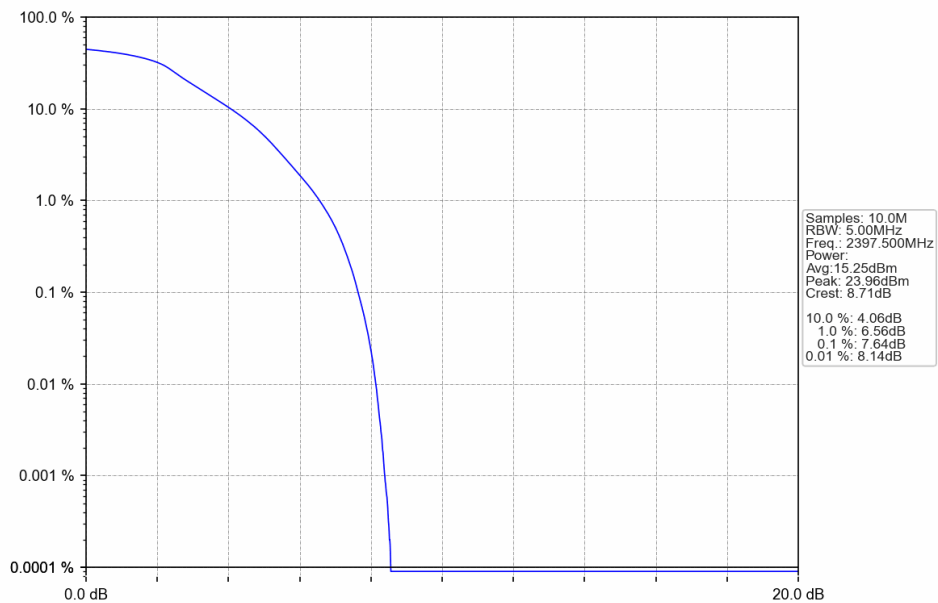
Band: 40 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	100	0	8.35	<=13	Pass
	2350	100	0	7.48	<=13	Pass
	2390	100	0	8.37	<=13	Pass

5.2 Test Graph

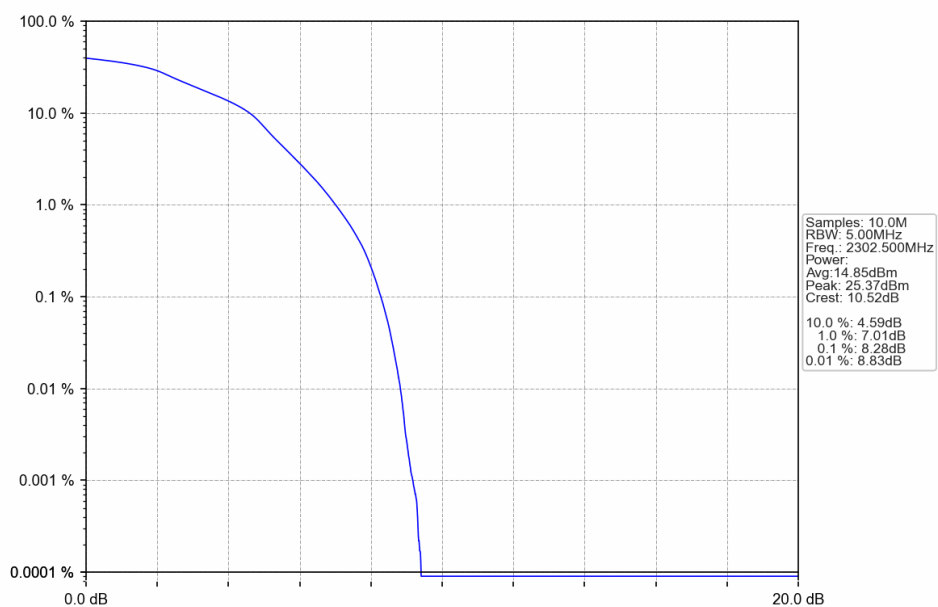
5.2.1 B40_5MHz



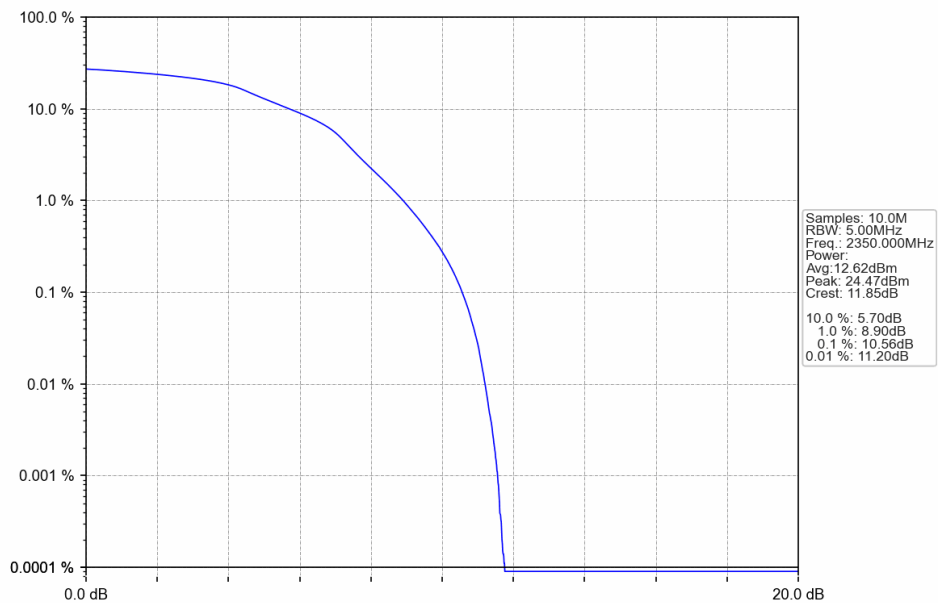
Band40 5MHz QPSK HCH 2397.5MHz RB 25 0 NTNV



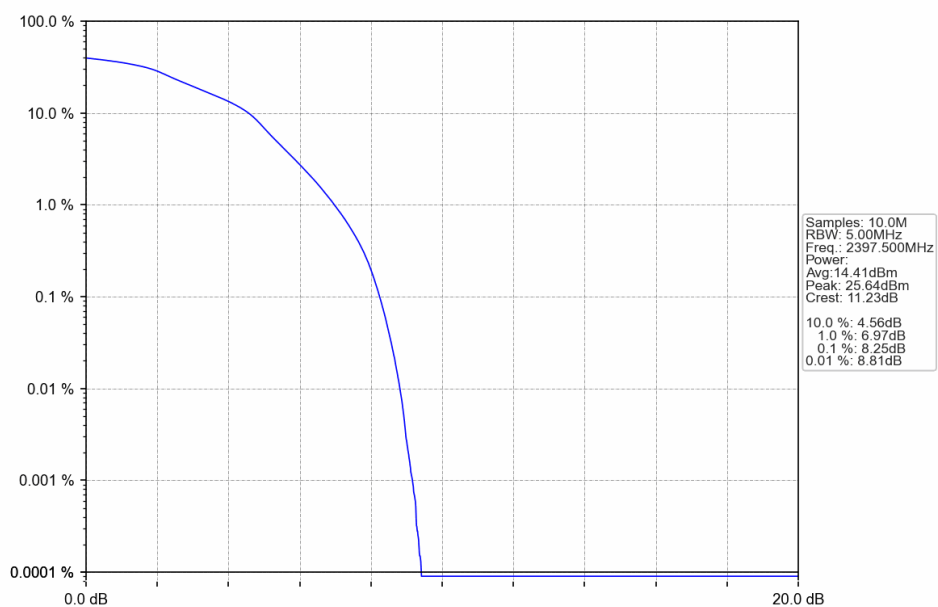
Band40 5MHz 16QAM LCH 2302.5MHz RB 25 0 NTNV



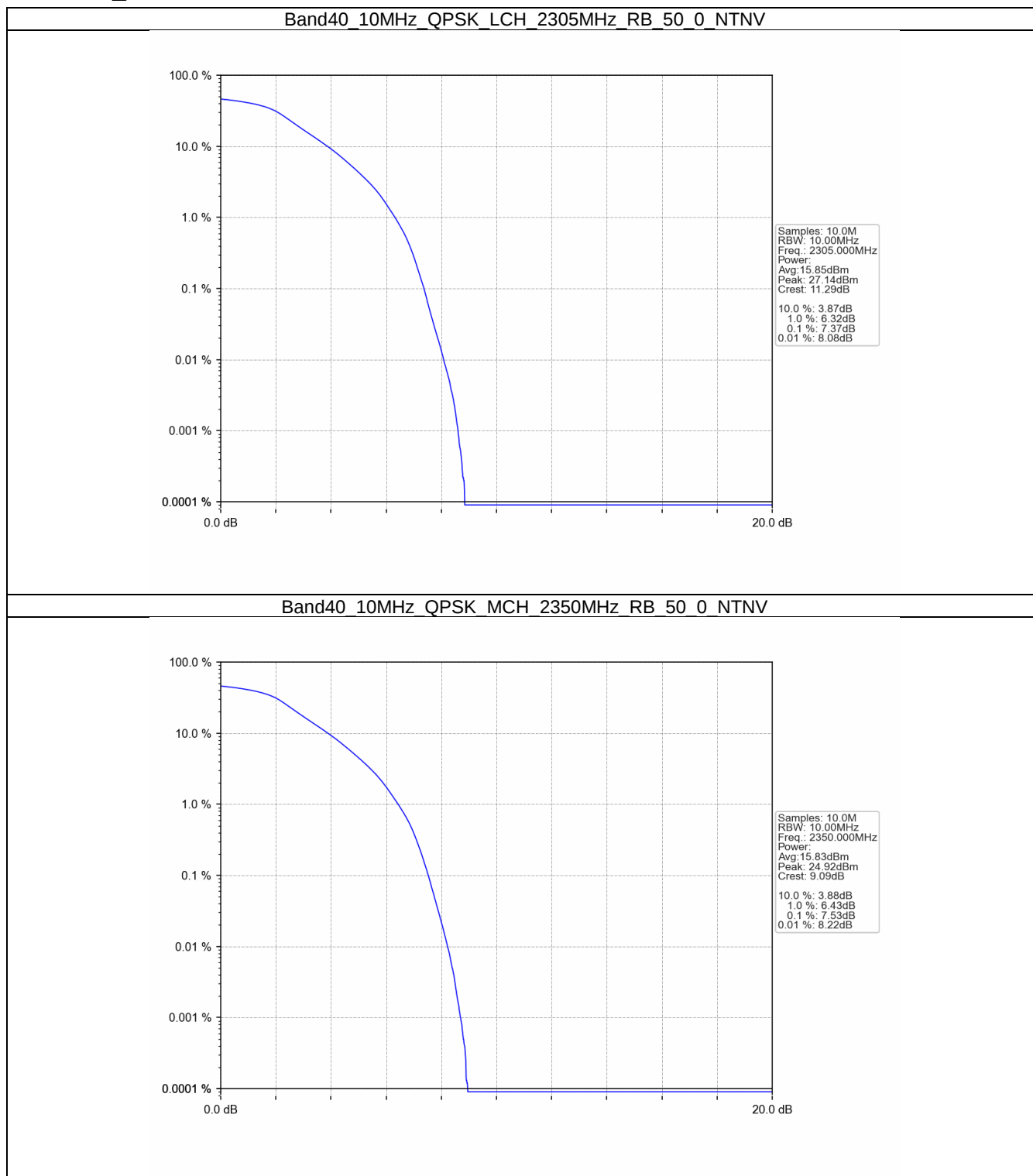
Band40 5MHz 16QAM MCH 2350MHz RB 25 0 NTNV

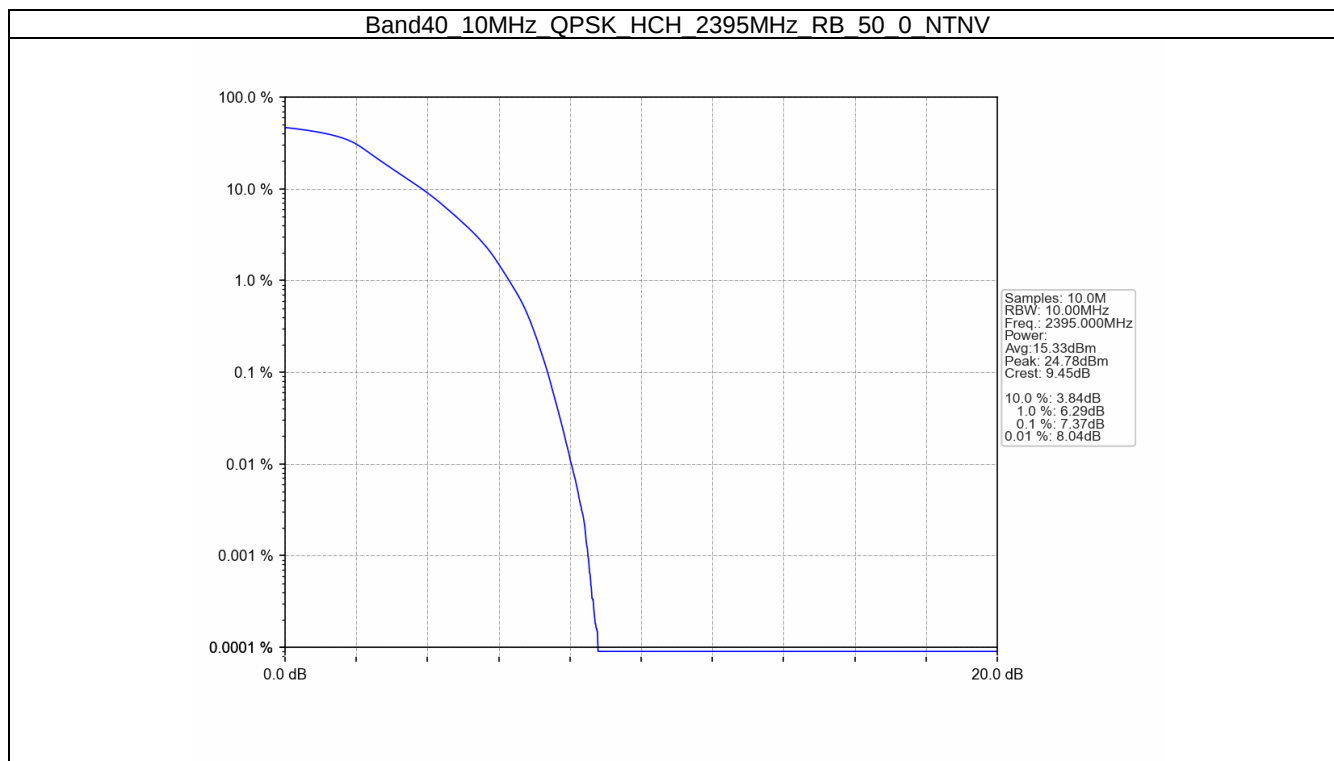


Band40 5MHz 16QAM HCH 2397.5MHz RB 25 0 NTNV

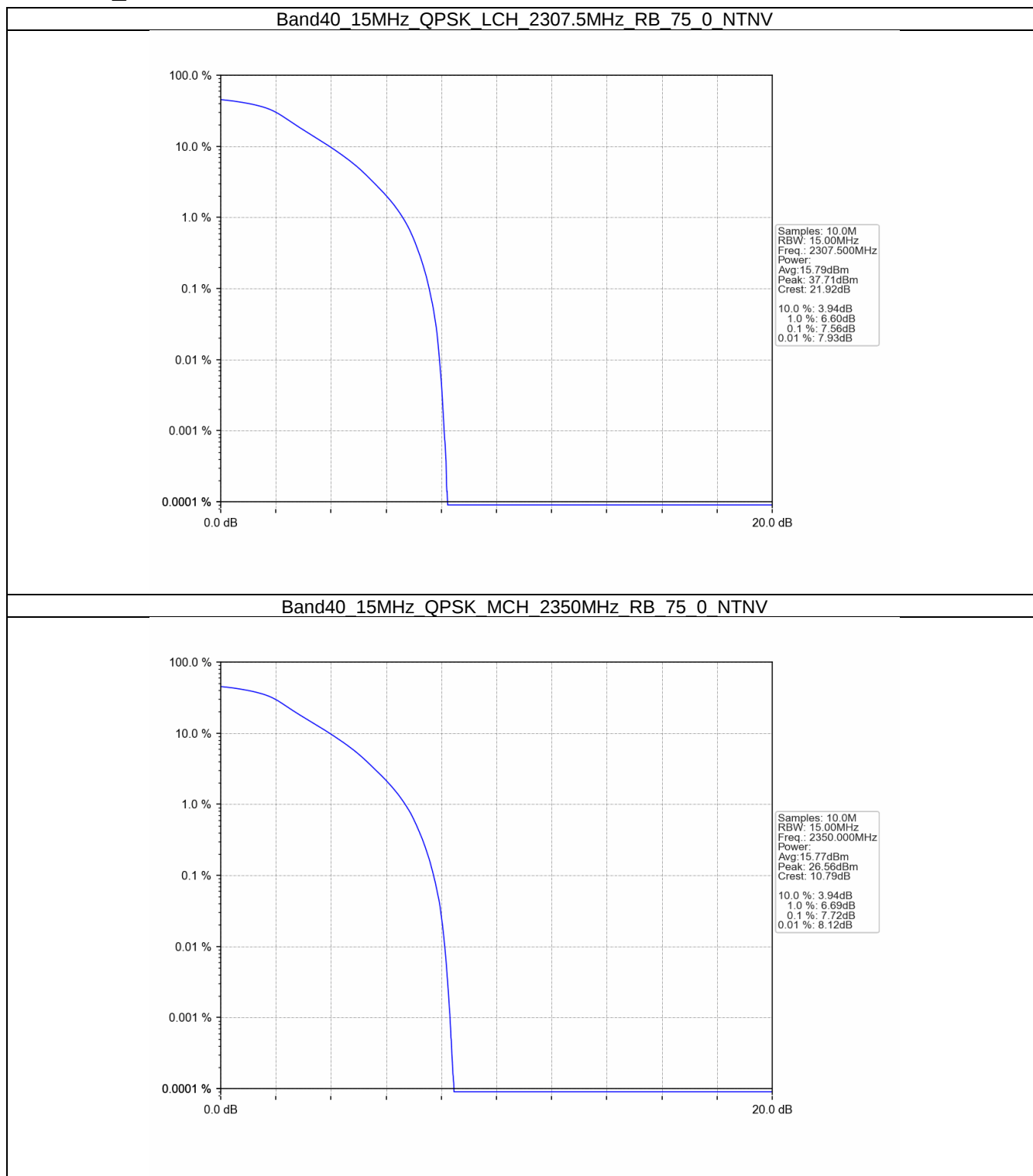


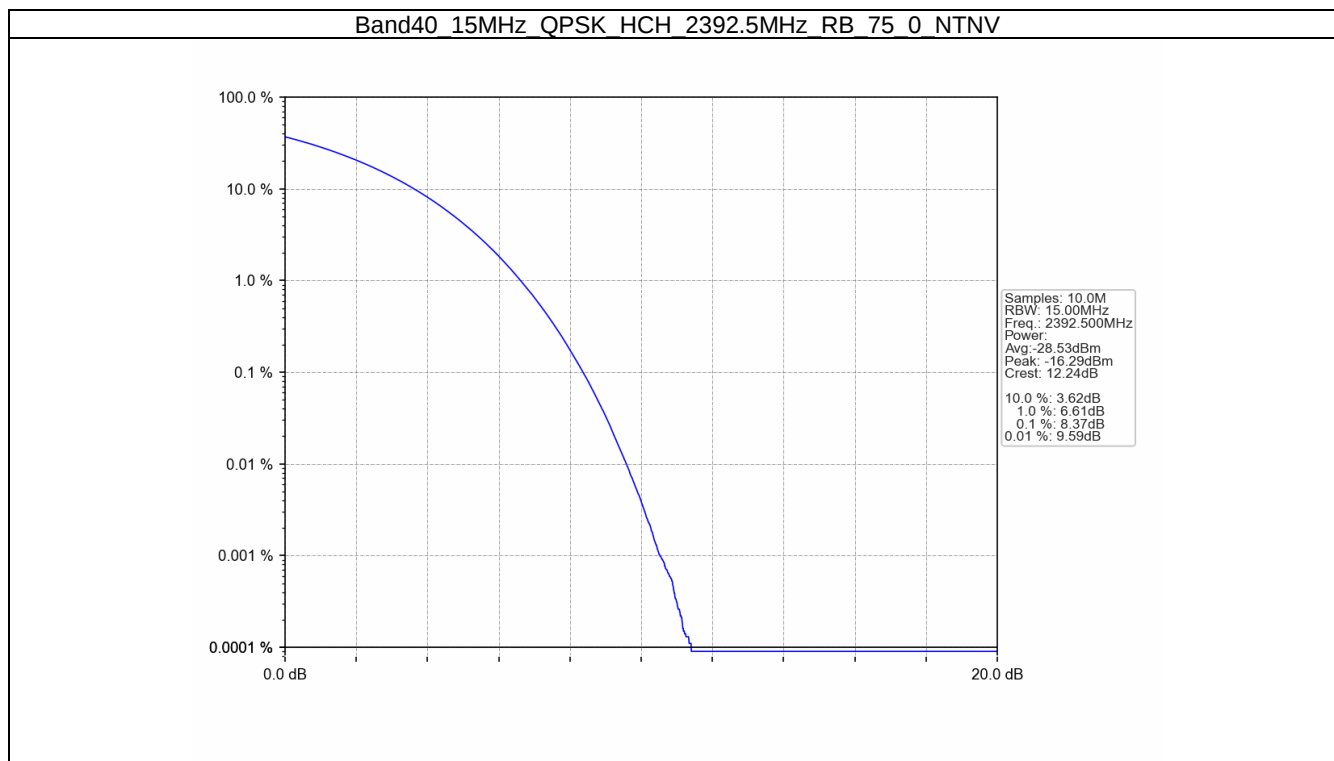
5.2.2 B40_10MHz



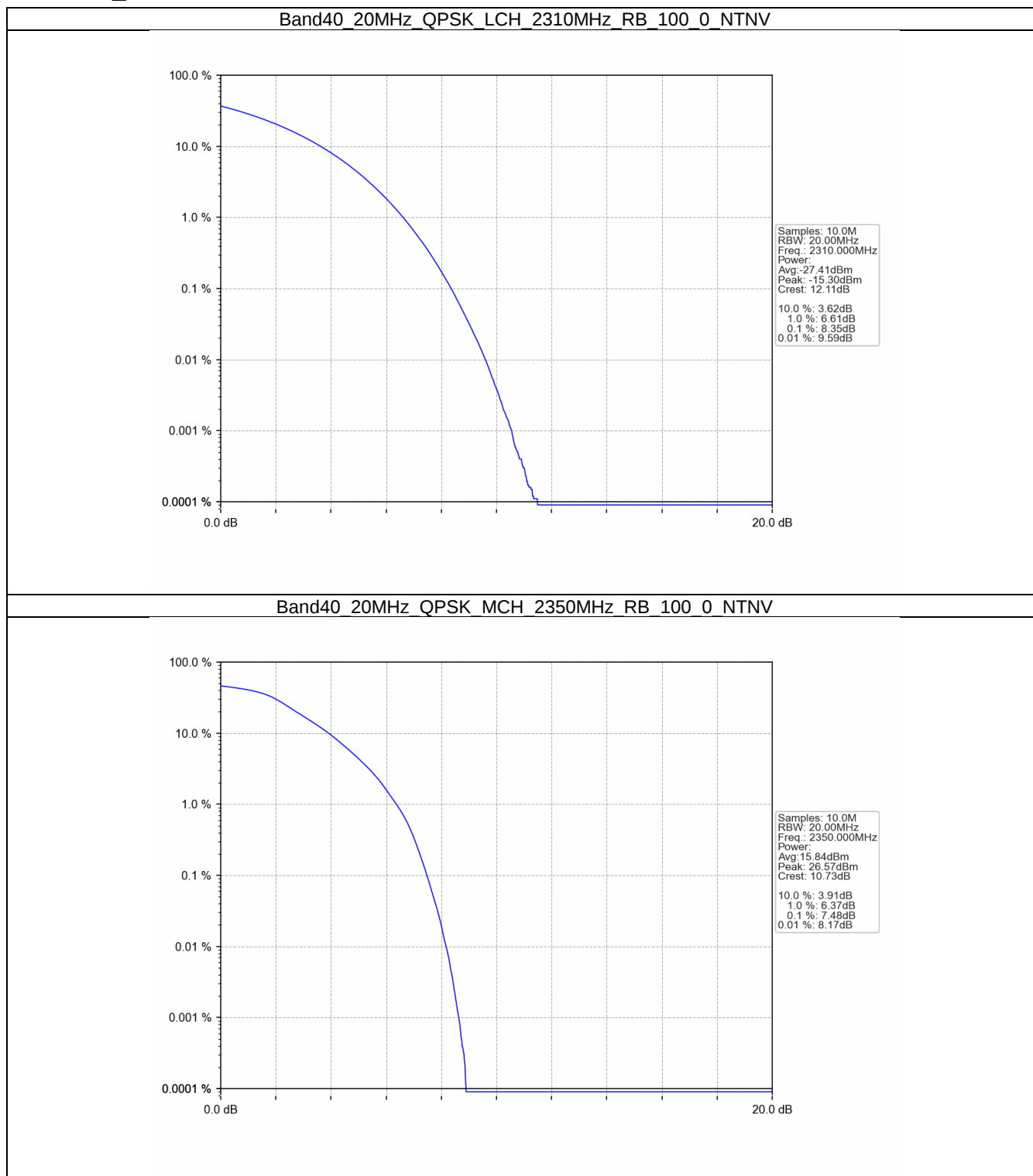


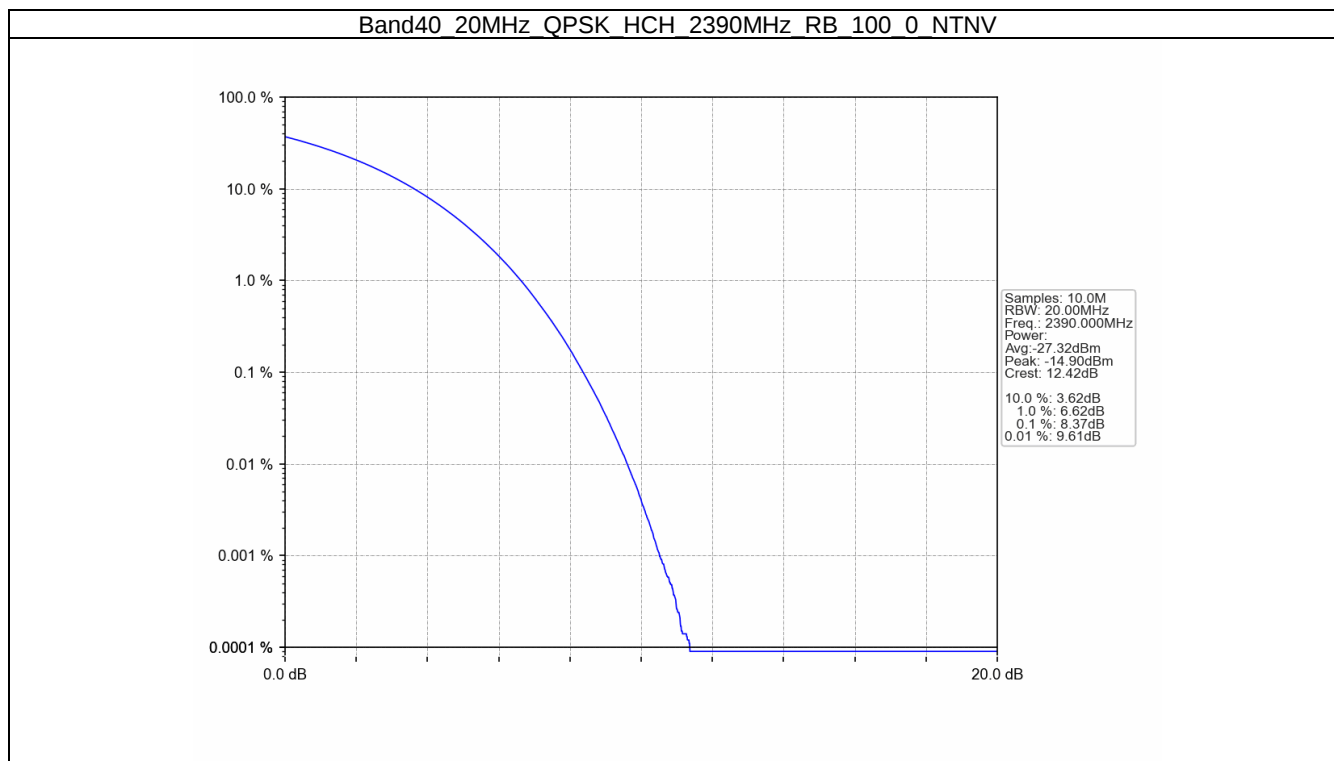
5.2.3 B40_15MHz





5.2.4 B40_20MHz





6. Spurious Emission

6.1 Test Result

6.1.1 B40_5MHz

Band: 40 / Bandwidth: 5MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2302.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2350	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2302.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2350	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.2 B40_10MHz

Band: 40 / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2305	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2350	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B40_15MHz

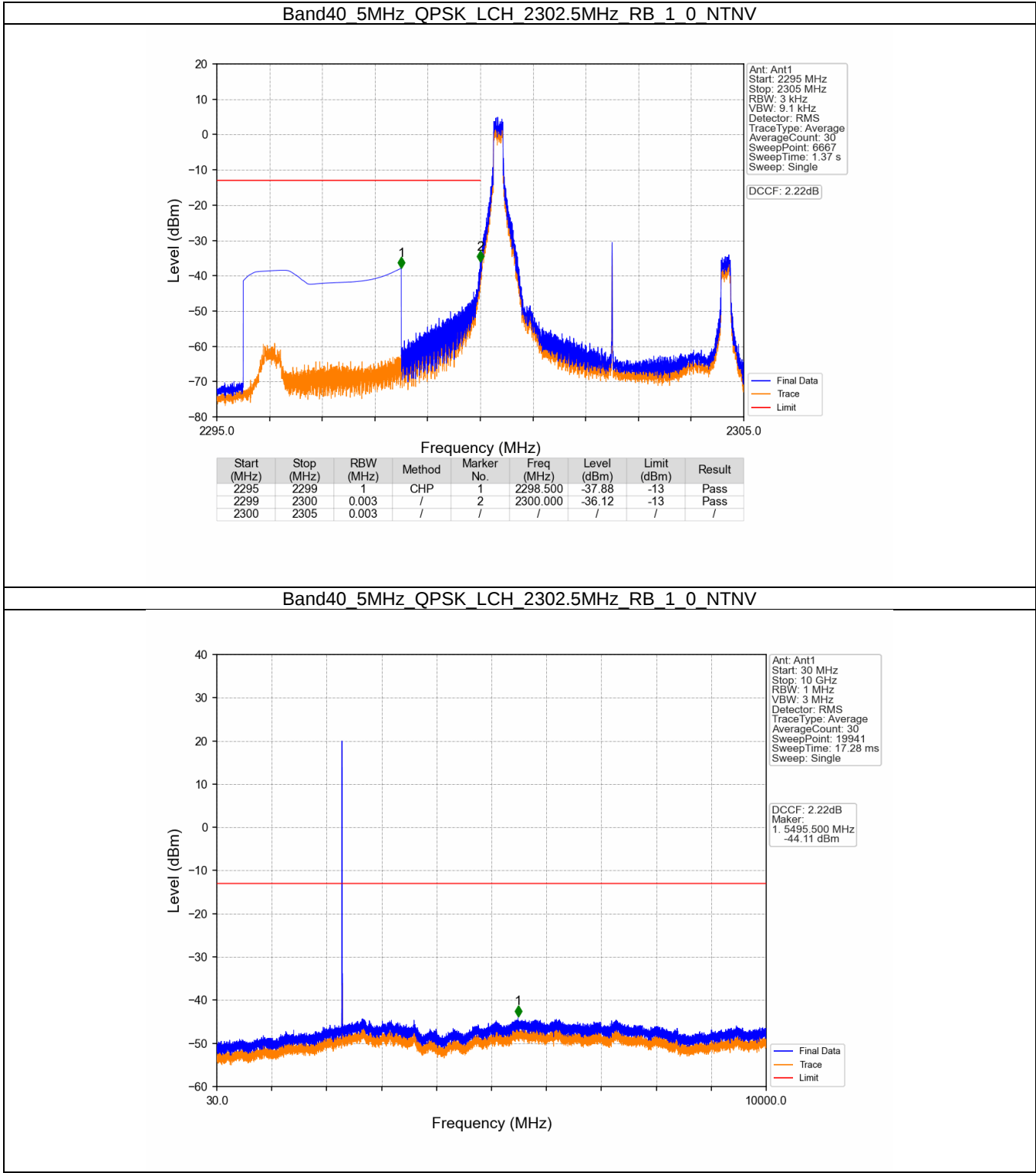
Band: 40 / Bandwidth: 15MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2307.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2350	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B40_20MHz

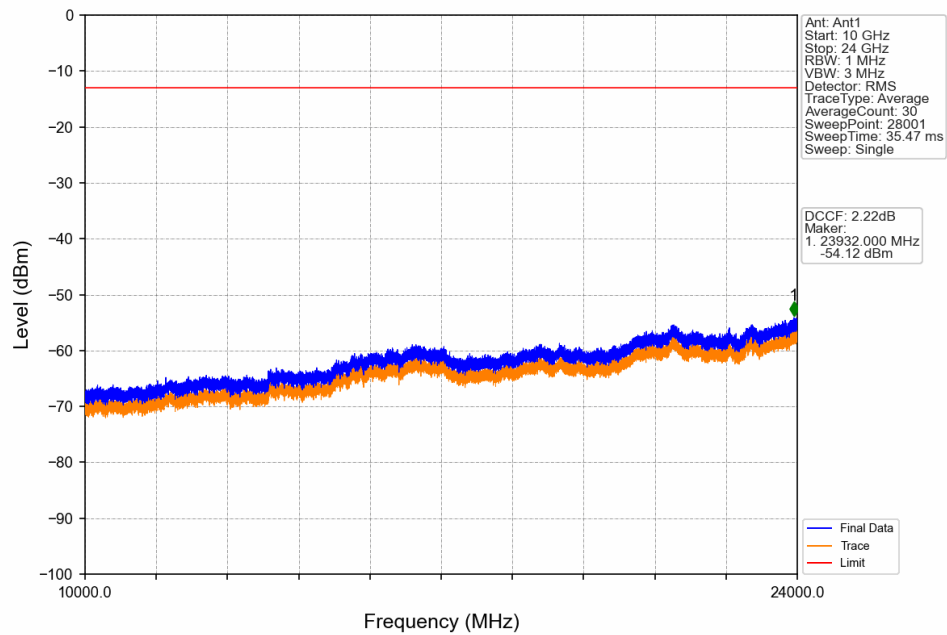
Band: 40 / Bandwidth: 20MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2310	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2350	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

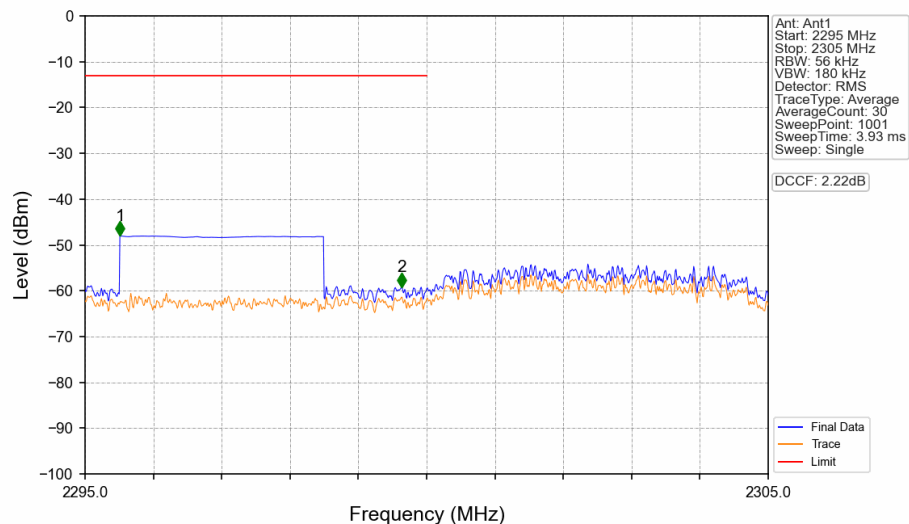
6.2.1 B40_5MHz



Band40 5MHz QPSK LCH 2302.5MHz RB 1 0 NTNV

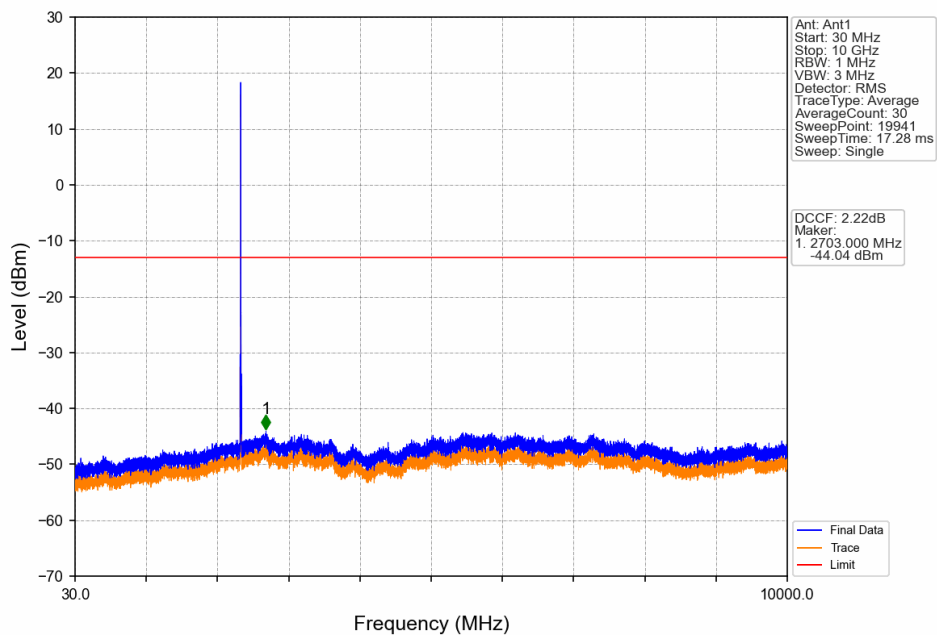


Band40_5MHz_QPSK_LCH_2302.5MHz_RB_25_0_NTNV

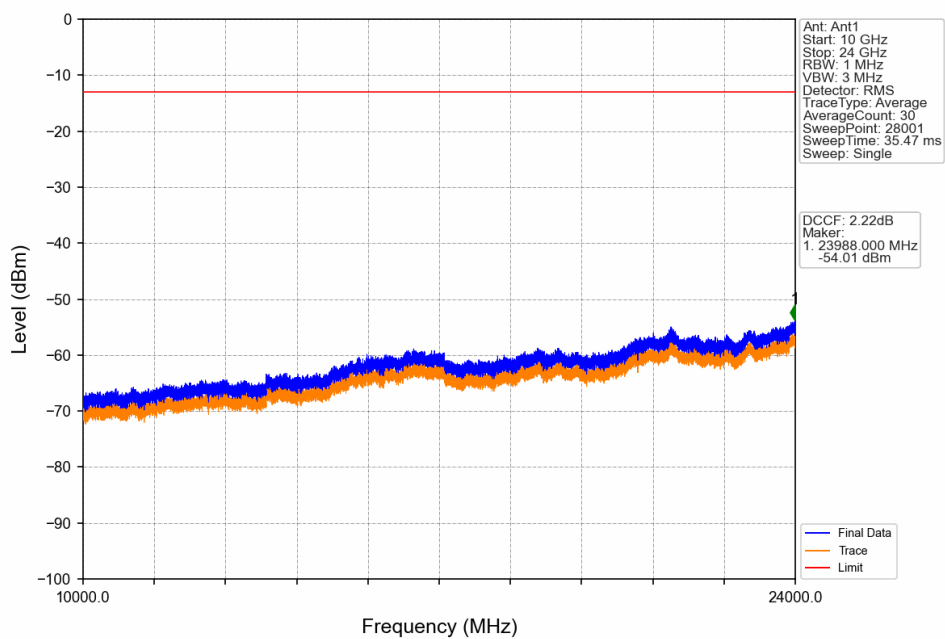


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2295	2299	1	CHP	1	2295.510	-48.04	-13	Pass
2299	2300	0.056	/	2	2299.630	-59.19	-13	Pass
2300	2305	0.056	/	/	/	/	/	/

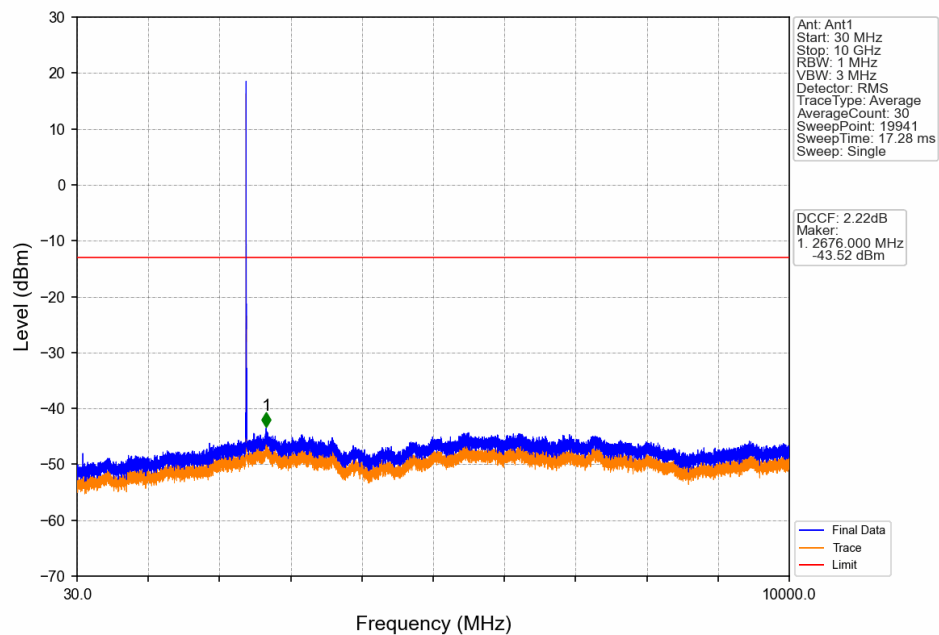
Band40 5MHz QPSK MCH 2350MHz RB 1 0 NTNV



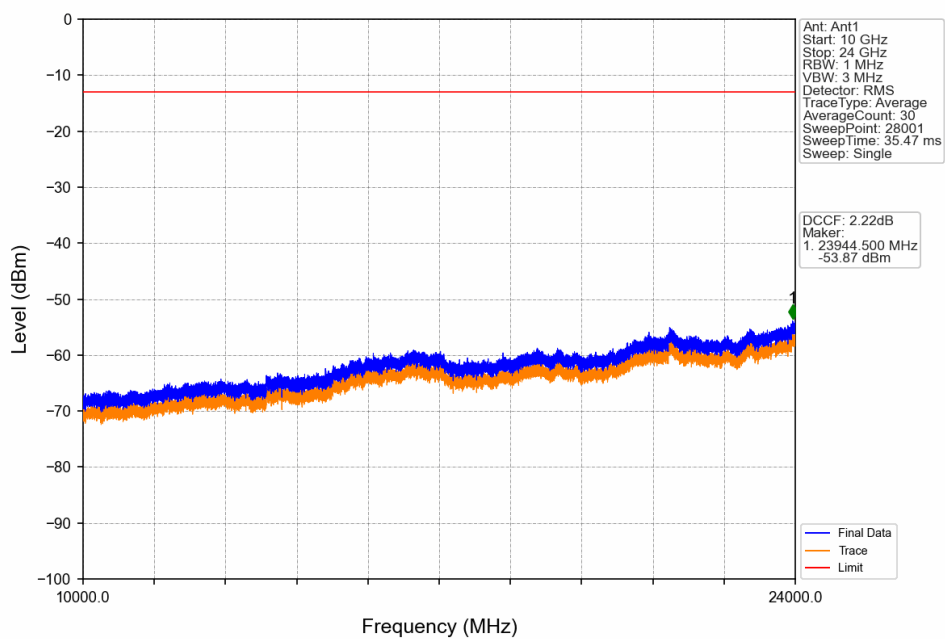
Band40 5MHz QPSK MCH 2350MHz RB 1 0 NTNV



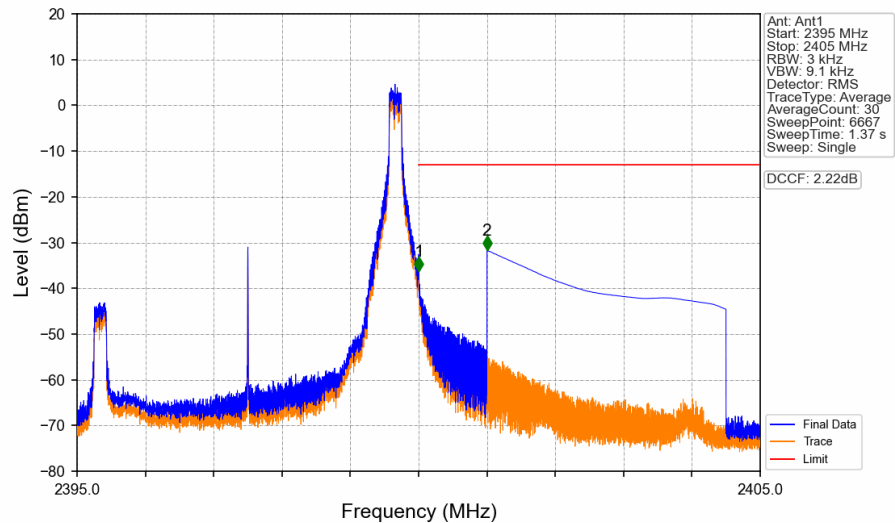
Band40 5MHz QPSK HCH 2397.5MHz RB 1 0 NTV



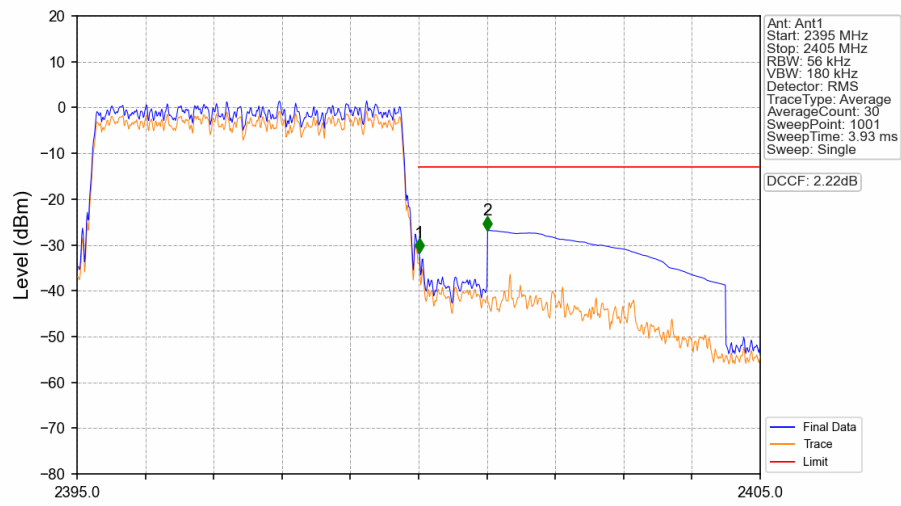
Band40 5MHz QPSK HCH 2397.5MHz RB 1 0 NTV



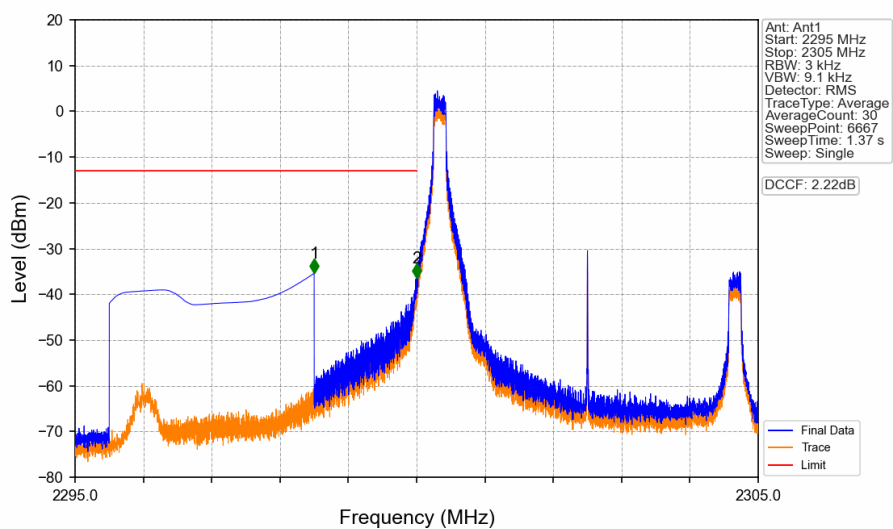
Band40 5MHz QPSK HCH 2397.5MHz RB 1 24 NTNV



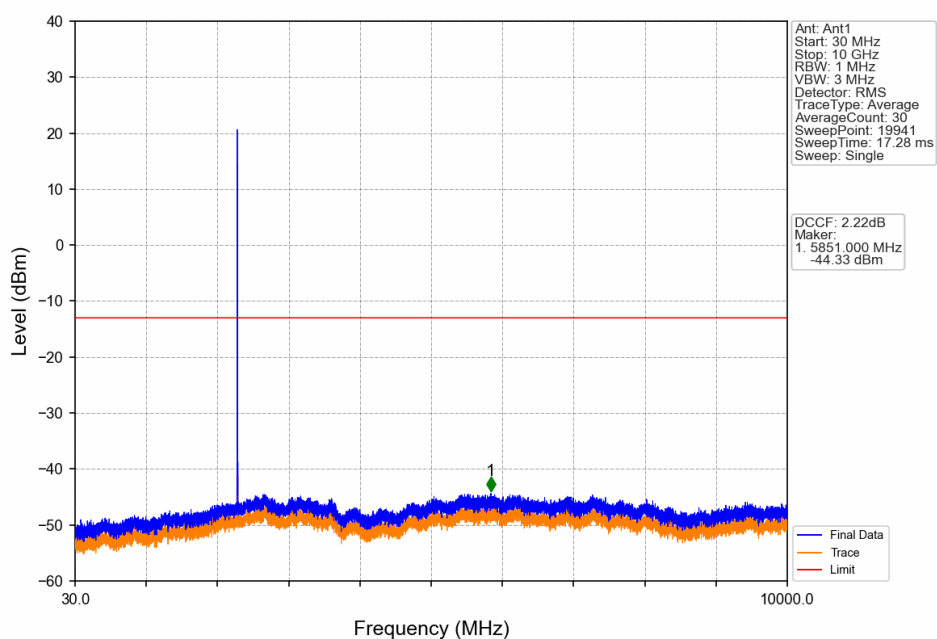
Band40 5MHz QPSK HCH 2397.5MHz RB 25 0 NTNV

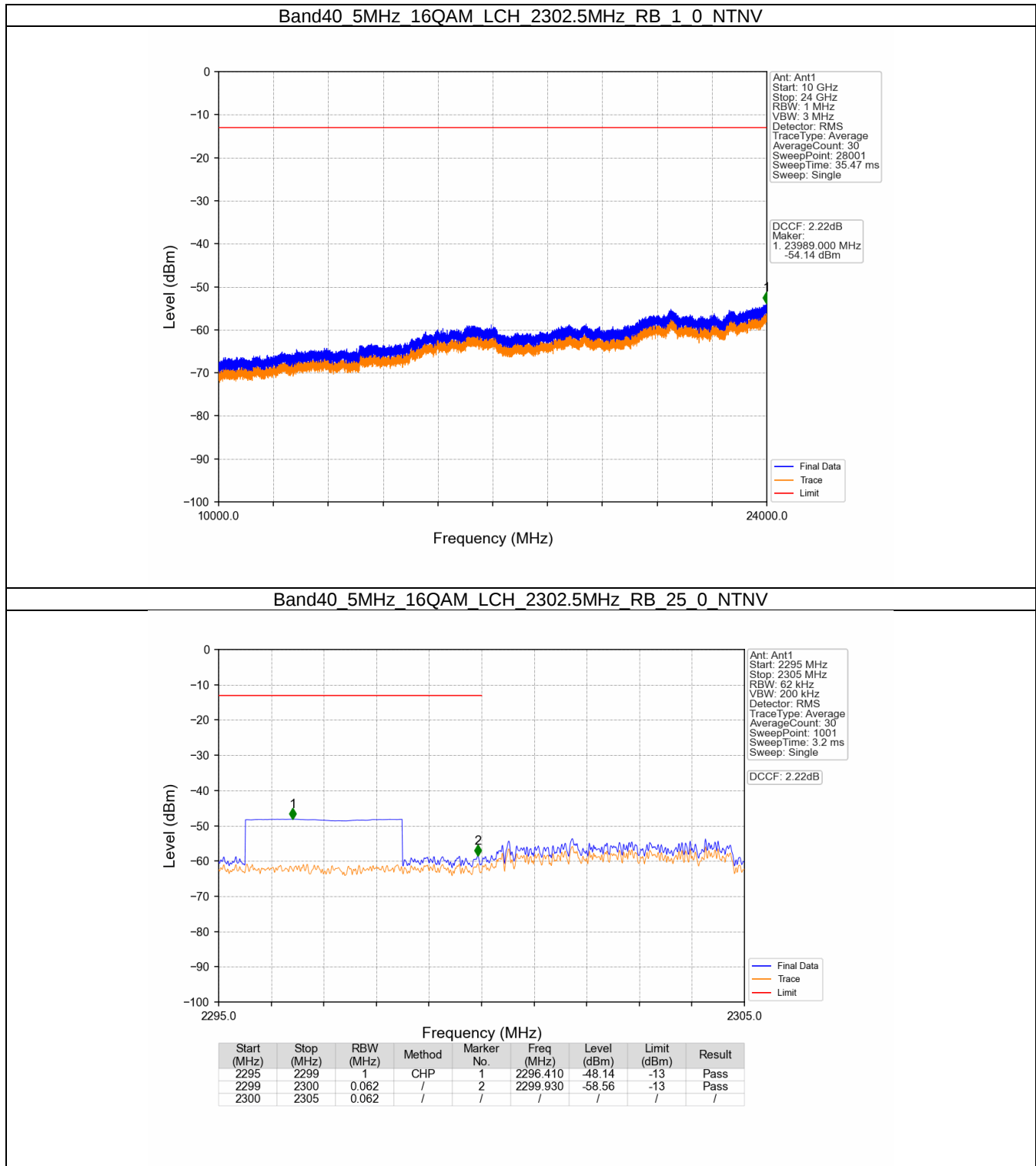


Band40 5MHz 16QAM LCH 2302.5MHz RB 1 0 NTNV

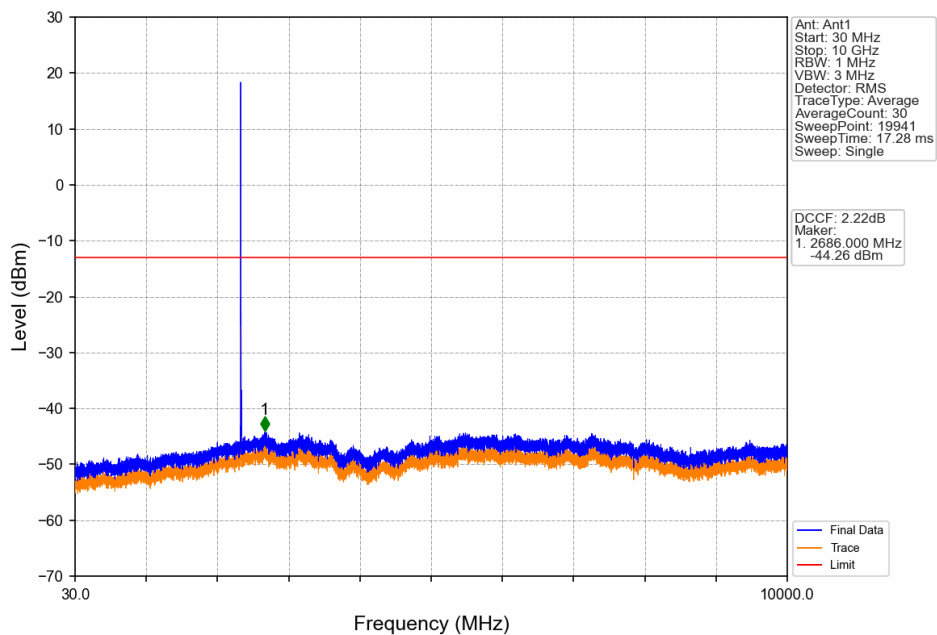


Band40 5MHz 16QAM LCH 2302.5MHz RB 1 0 NTNV

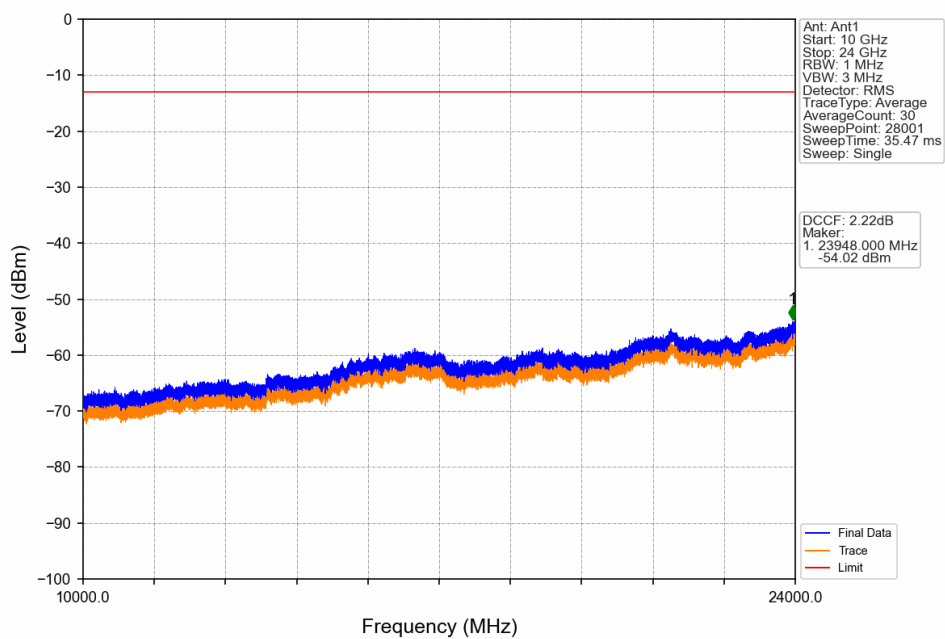


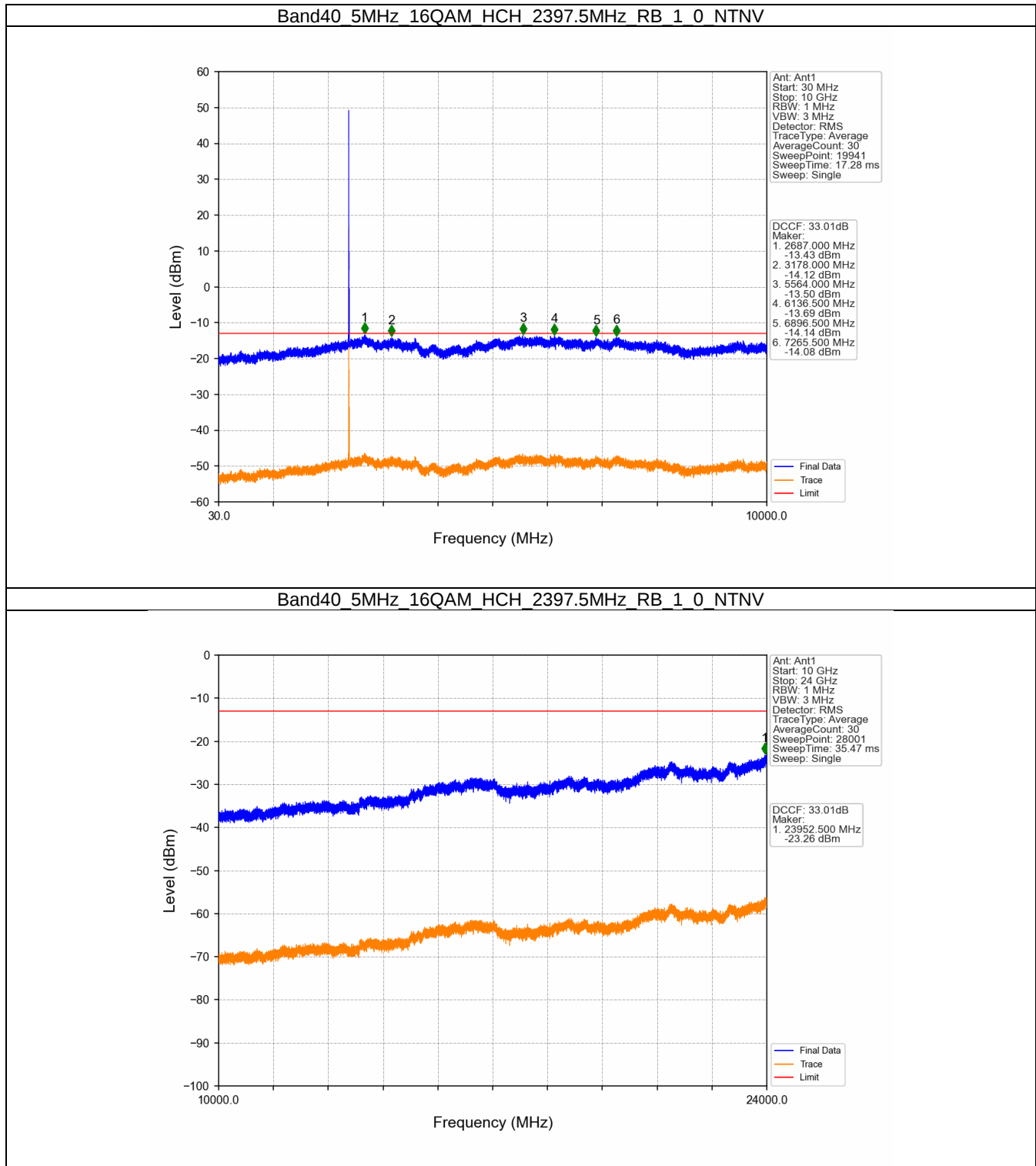


Band40 5MHz 16QAM MCH 2350MHz RB 1 0 NTNV

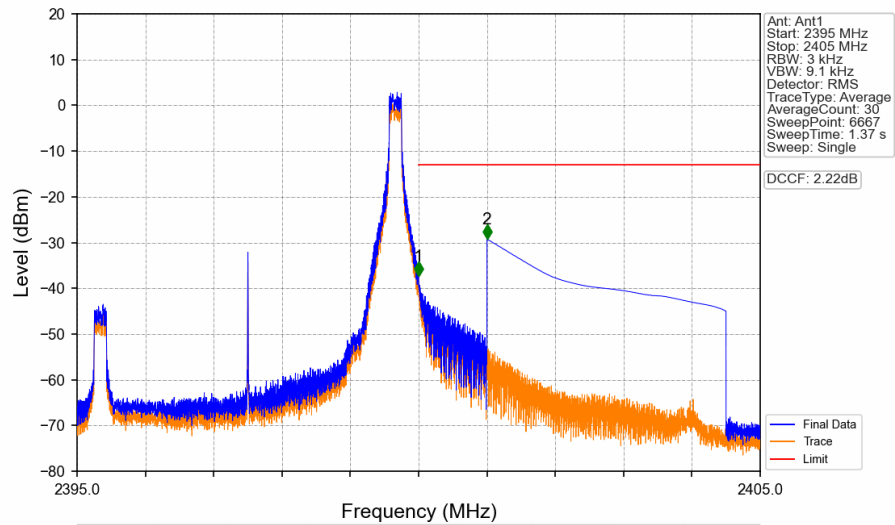


Band40 5MHz 16QAM MCH 2350MHz RB 1 0 NTNV



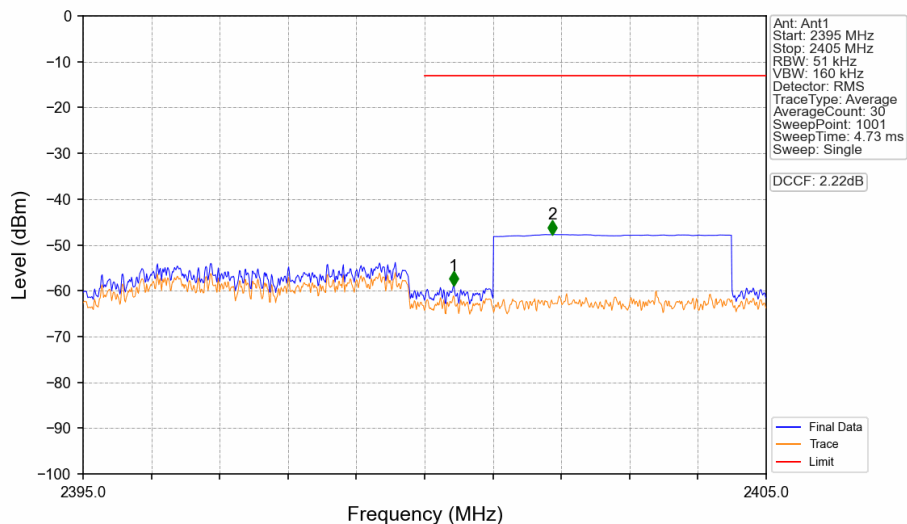


Band40 5MHz 16QAM HCH 2397.5MHz RB 1 24 NTNV



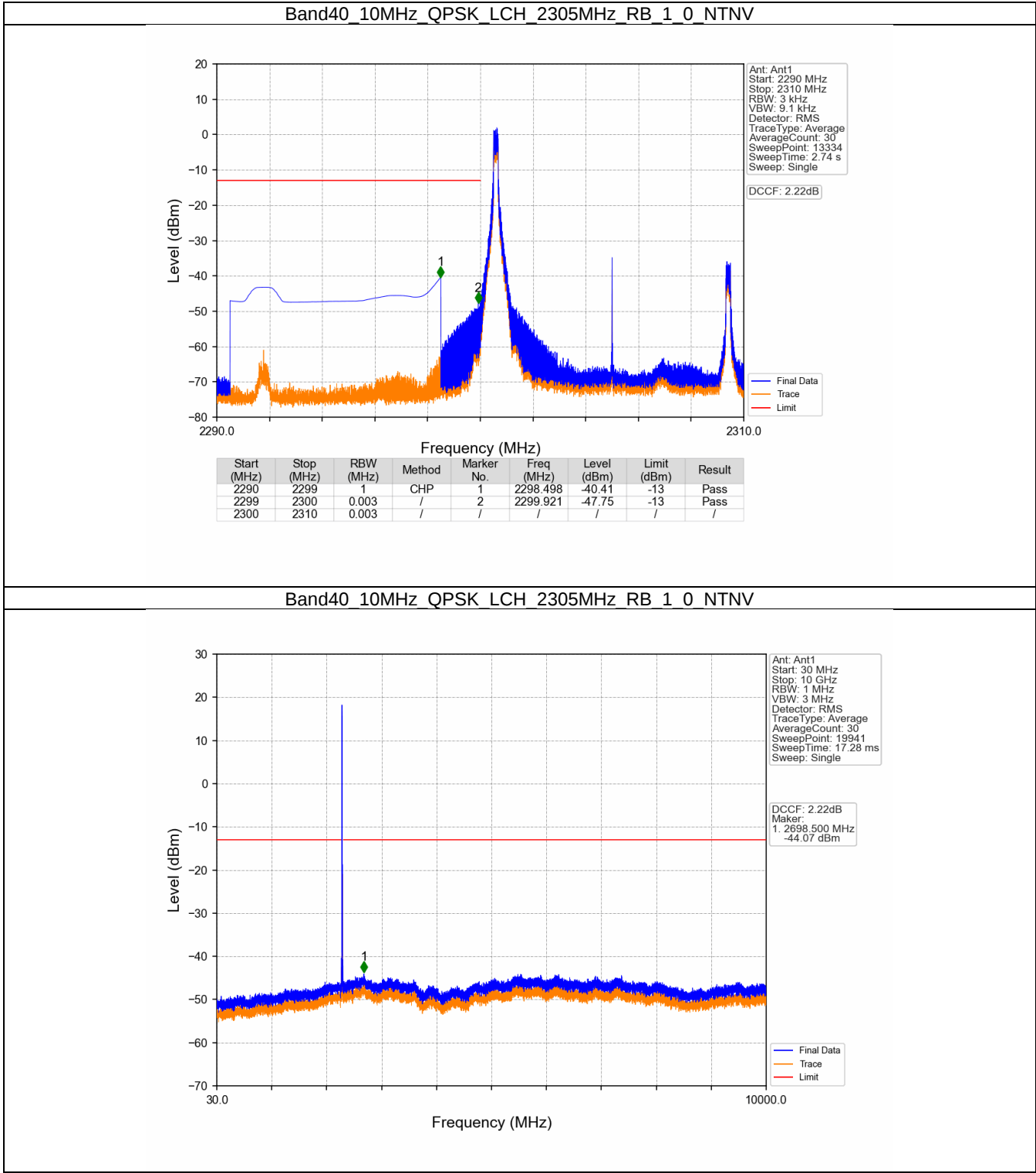
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2395	2400	0.003	/	/	/	/	/	/
2400	2401	0.003	/	1	2400.000	-37.39	-13	Pass
2401	2405	1	CHP	2	2401.001	-29.26	-13	Pass

Band40 5MHz 16QAM HCH 2397.5MHz RB 25 0 NTNV

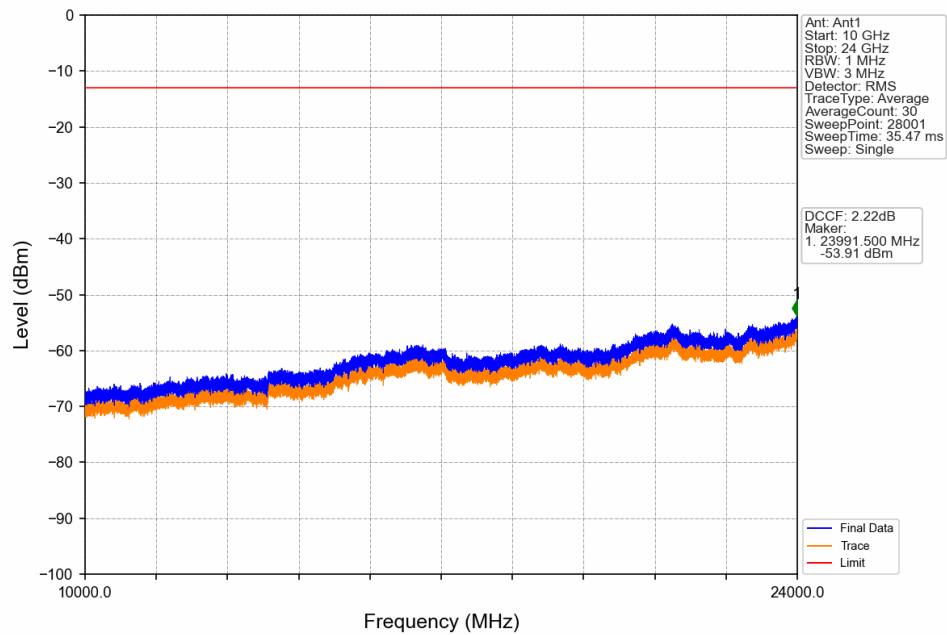


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2395	2400	0.051	/	/	/	/	/	/
2400	2401	0.051	/	1	2400.420	-58.92	-13	Pass
2401	2405	1	CHP	2	2401.870	-47.73	-13	Pass

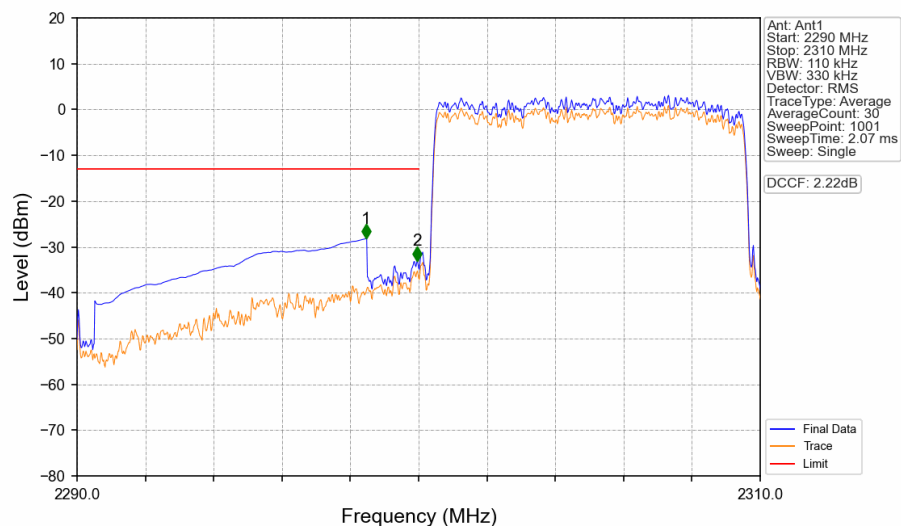
6.2.2 B40_10MHz



Band40_10MHz_QPSK_LCH_2305MHz_RB_1_0_NTNV

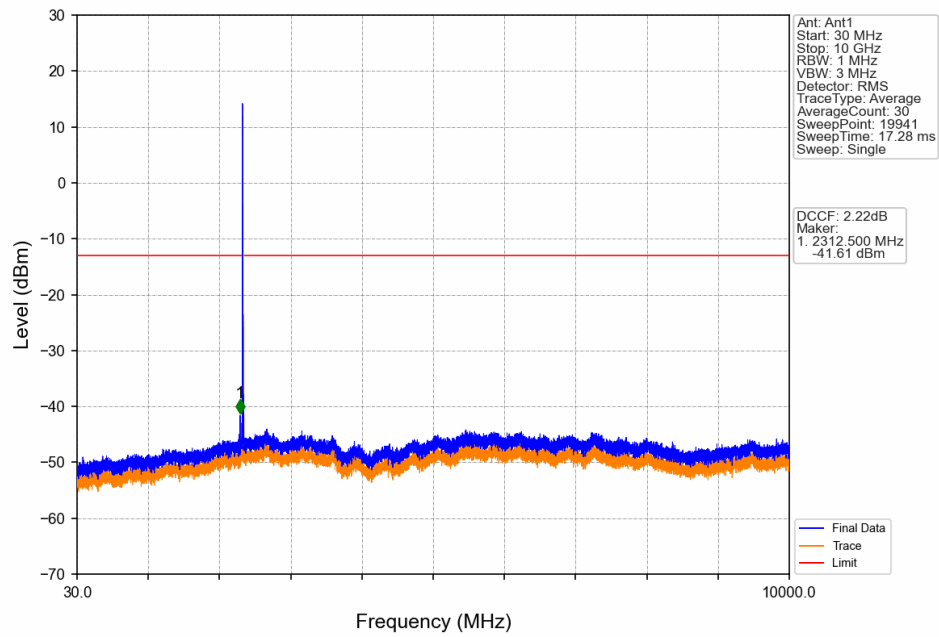


Band40_10MHz_QPSK_LCH_2305MHz_RB_50_0_NTNV

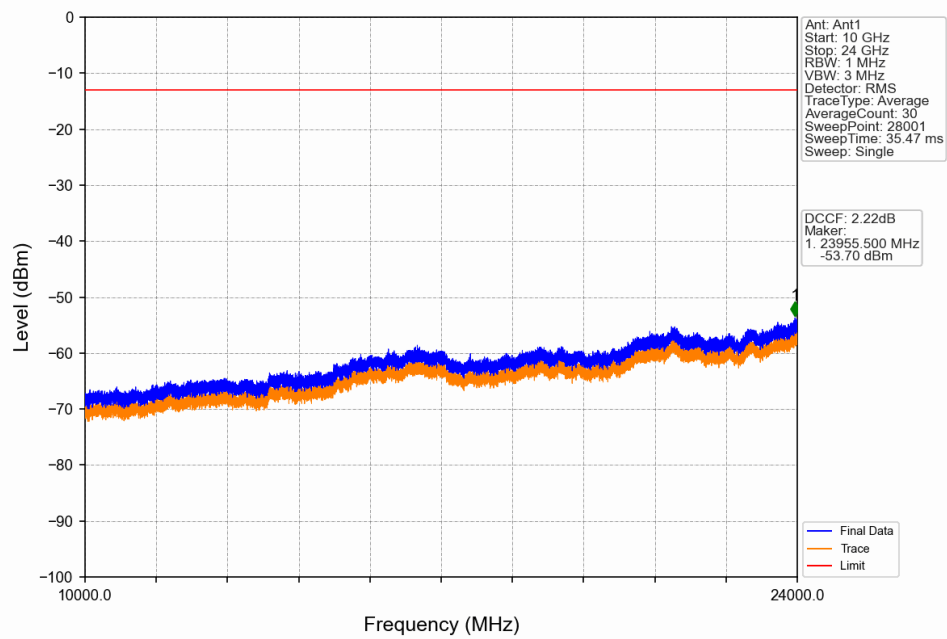


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2290	2299	1	CHP	1	2298.460	-28.22	-13	Pass
2299	2300	0.11	/	2	2299.960	-33.01	-13	Pass
2300	2310	0.11	/	/	/	/	/	/

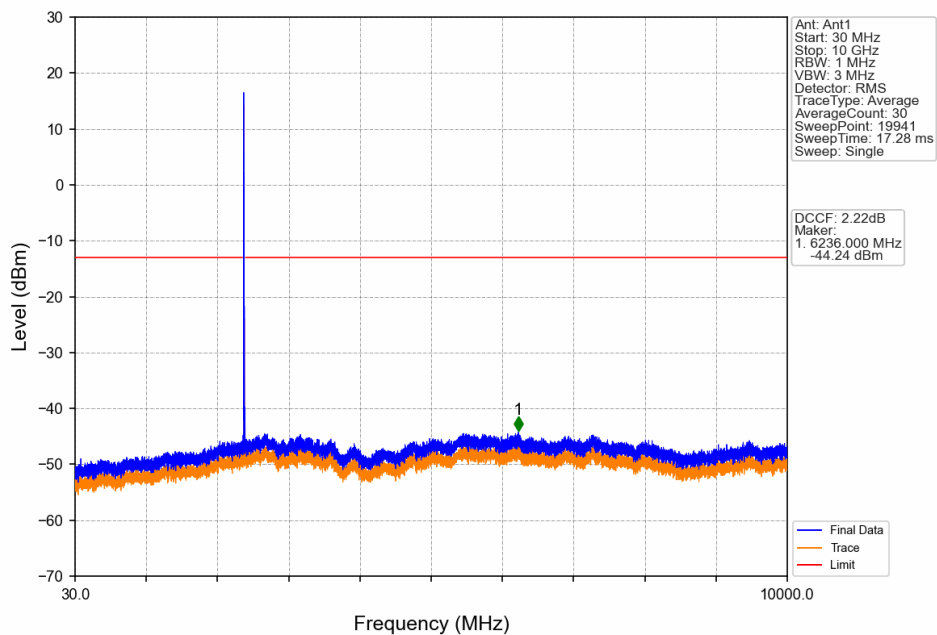
Band40_10MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV



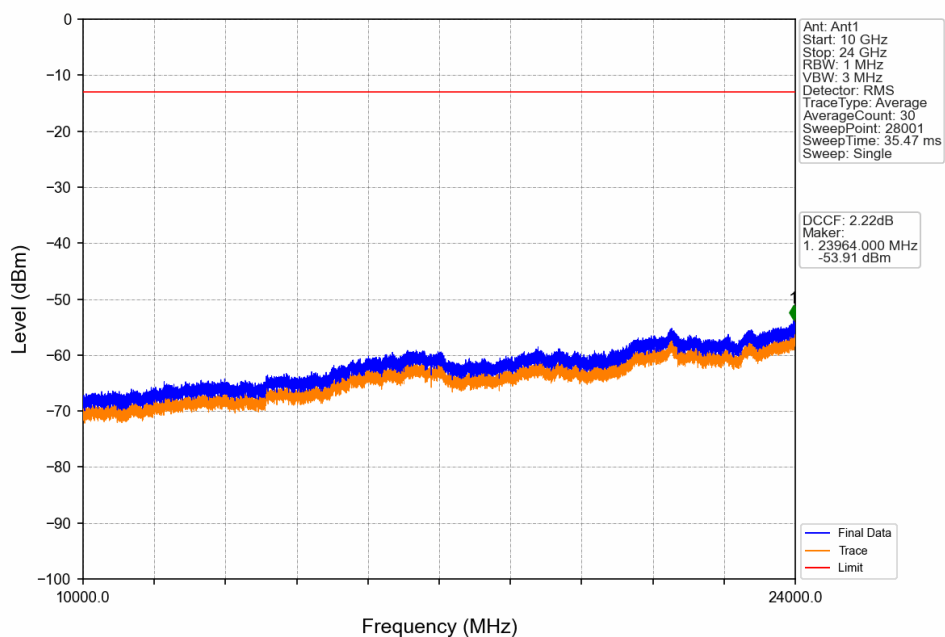
Band40_10MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV



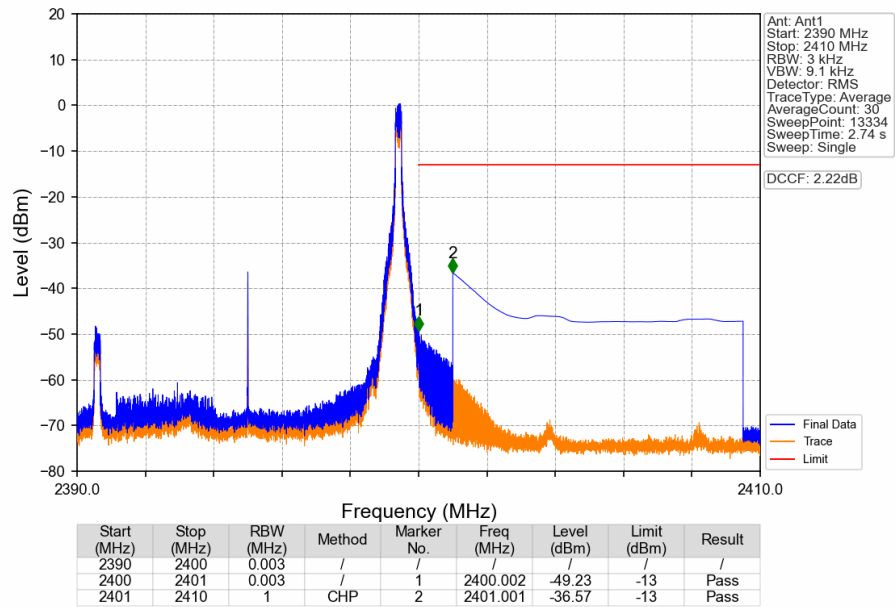
Band40_10MHz_QPSK_HCH_2395MHz_RB_1_0_NTNV



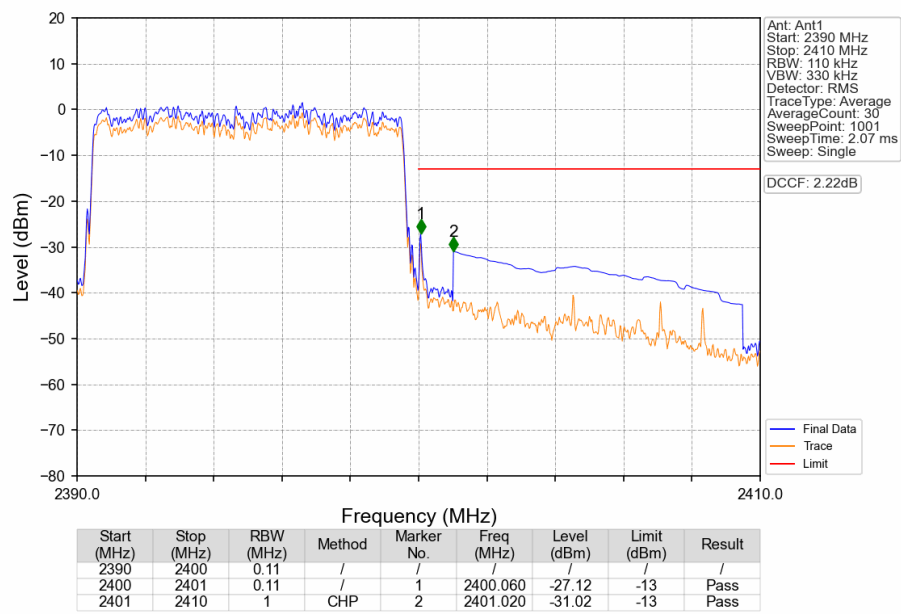
Band40_10MHz_QPSK_HCH_2395MHz_RB_1_0_NTNV



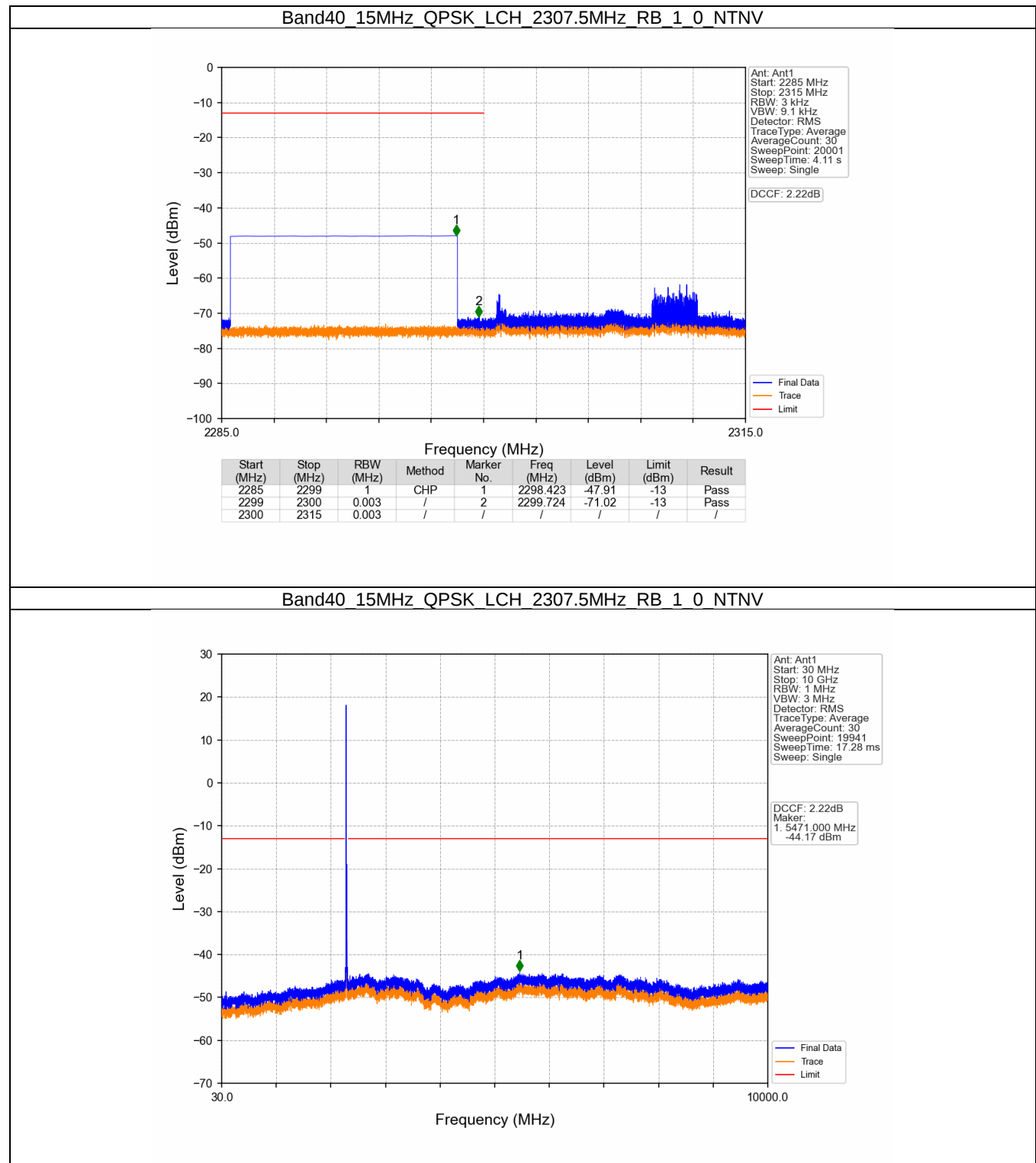
Band40_10MHz_QPSK_HCH_2395MHz_RB_1_49_NTNV



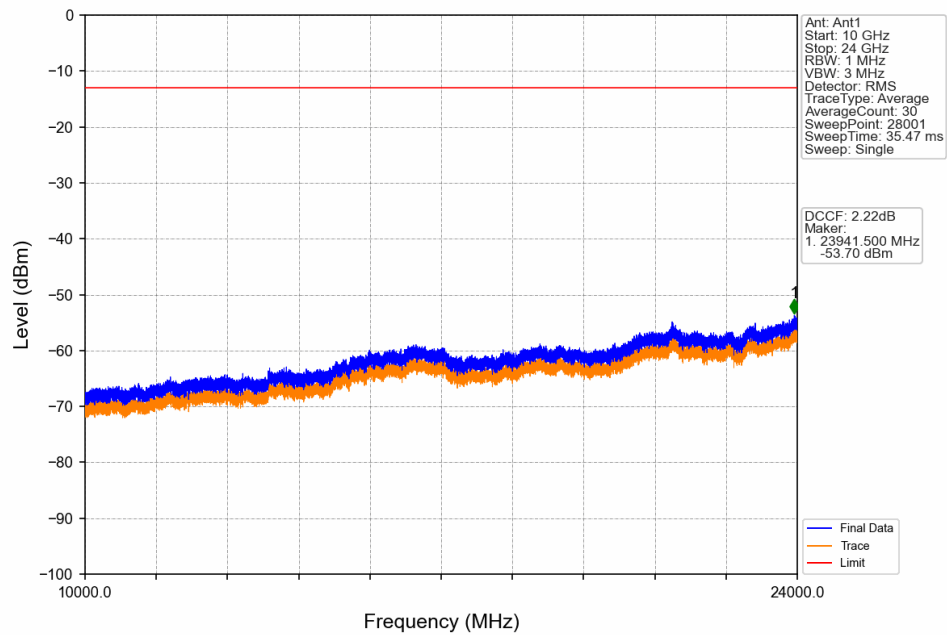
Band40_10MHz_QPSK_HCH_2395MHz_RB_50_0_NTNV



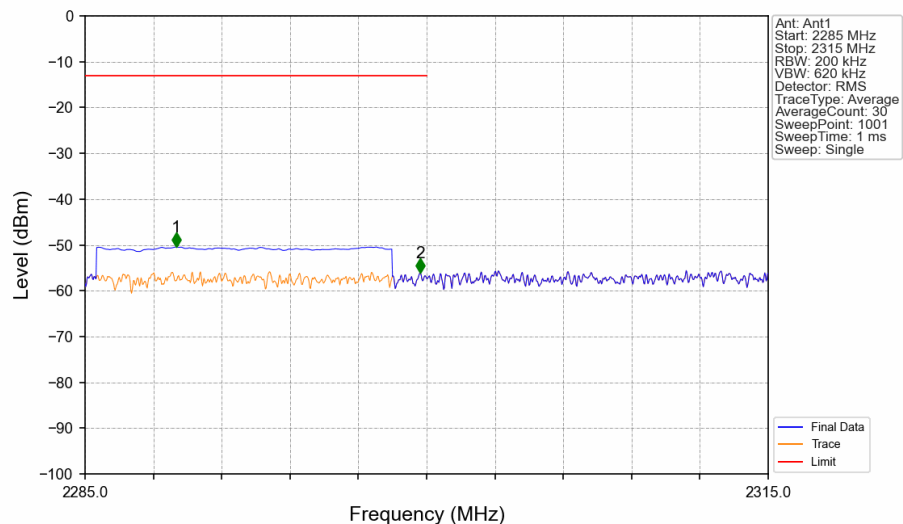
6.2.3 B40_15MHz



Band40_15MHz_QPSK_LCH_2307.5MHz_RB_1_0_NTNV

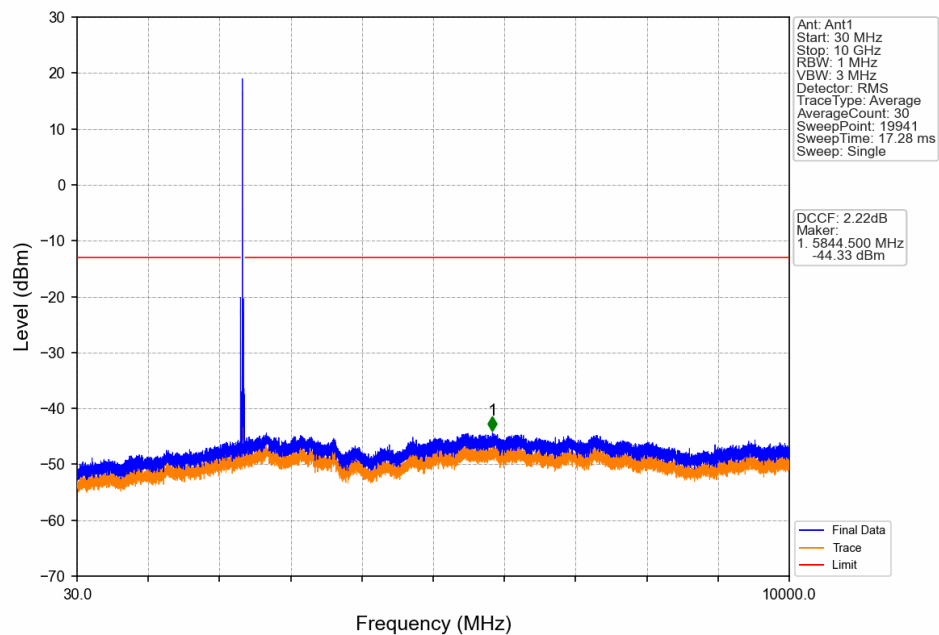


Band40_15MHz_QPSK_LCH_2307.5MHz_RB_75_0_NTNV

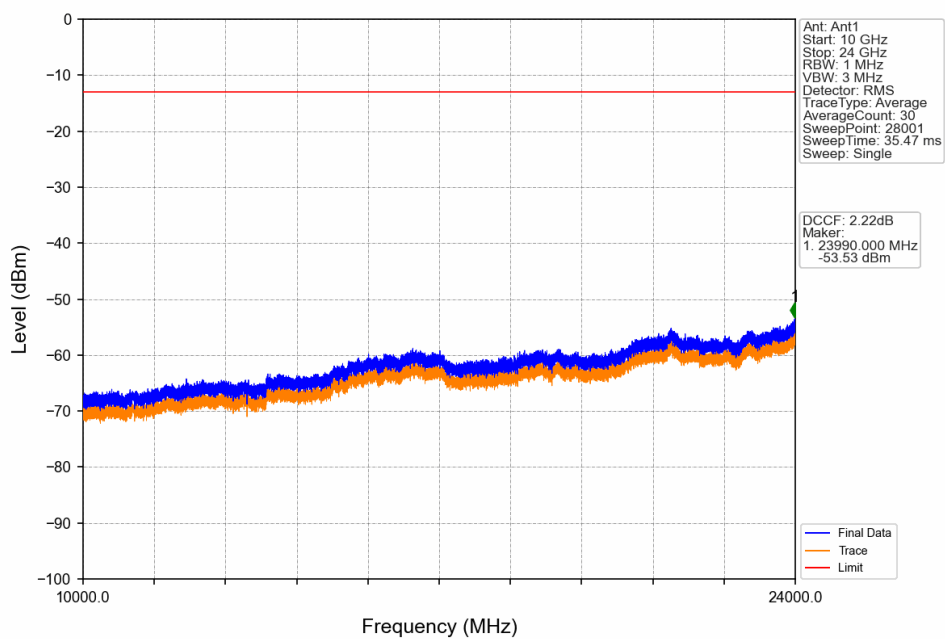


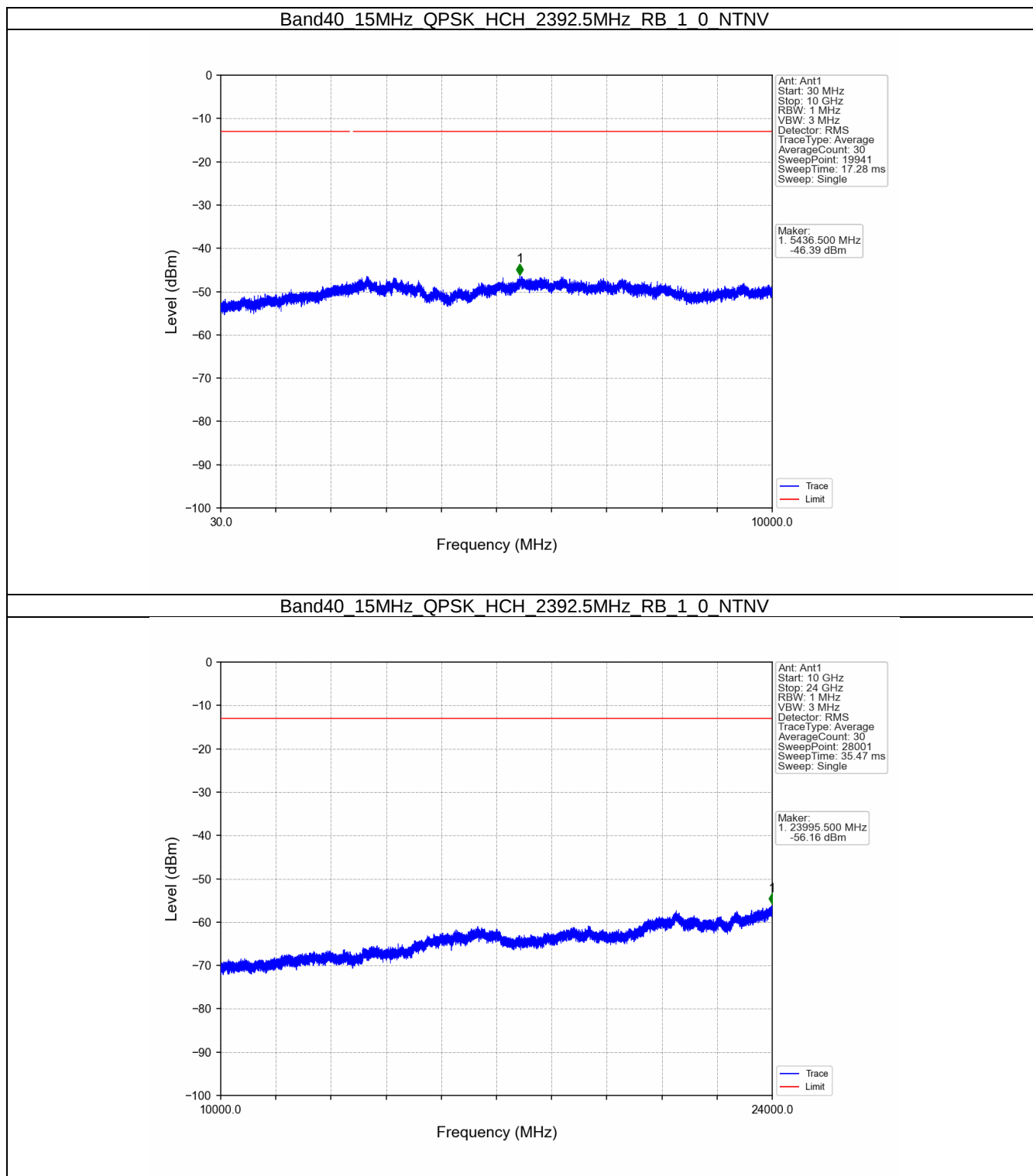
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2285	2299	1	CHP	1	2288.990	-50.47	-13	Pass
2299	2300	0.2	/	2	2299.730	-56.11	-13	Pass
2300	2315	0.2	/	/	/	/	/	/

Band40_15MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV

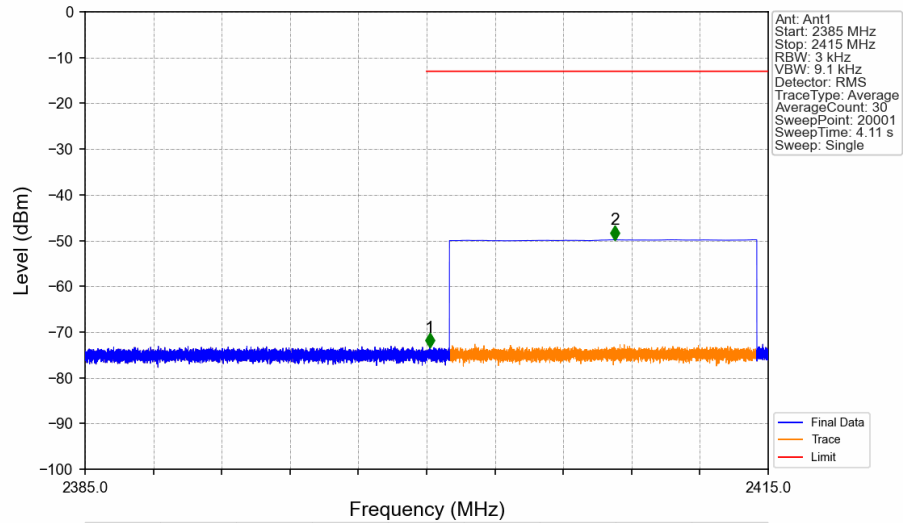


Band40_15MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV

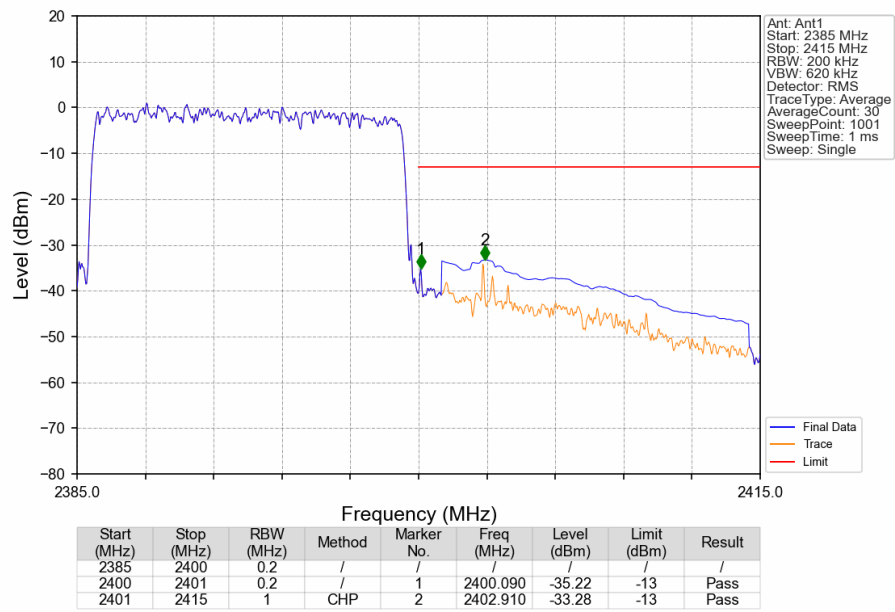




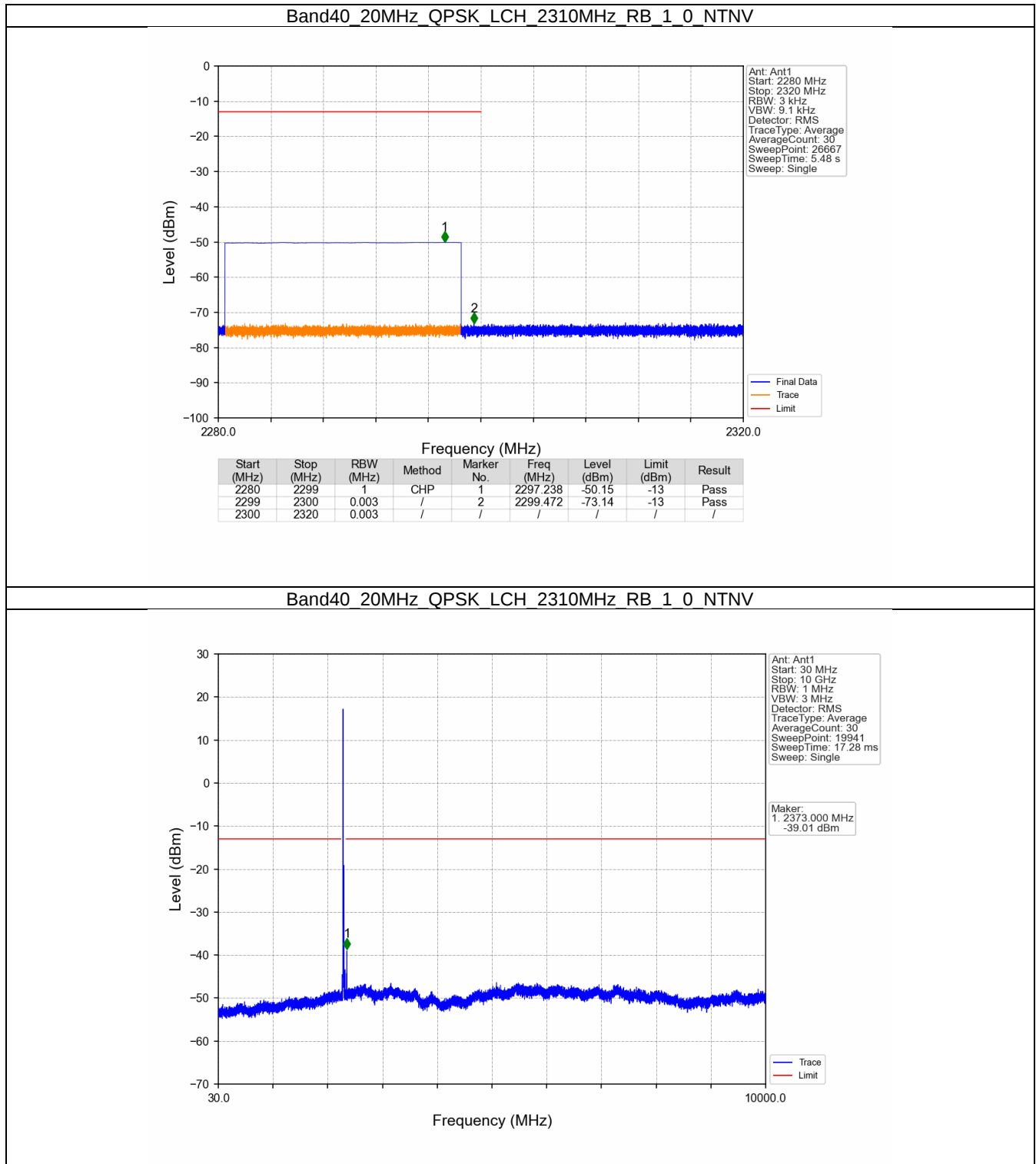
Band40 15MHz QPSK HCH 2392.5MHz RB 1 74 NTNV



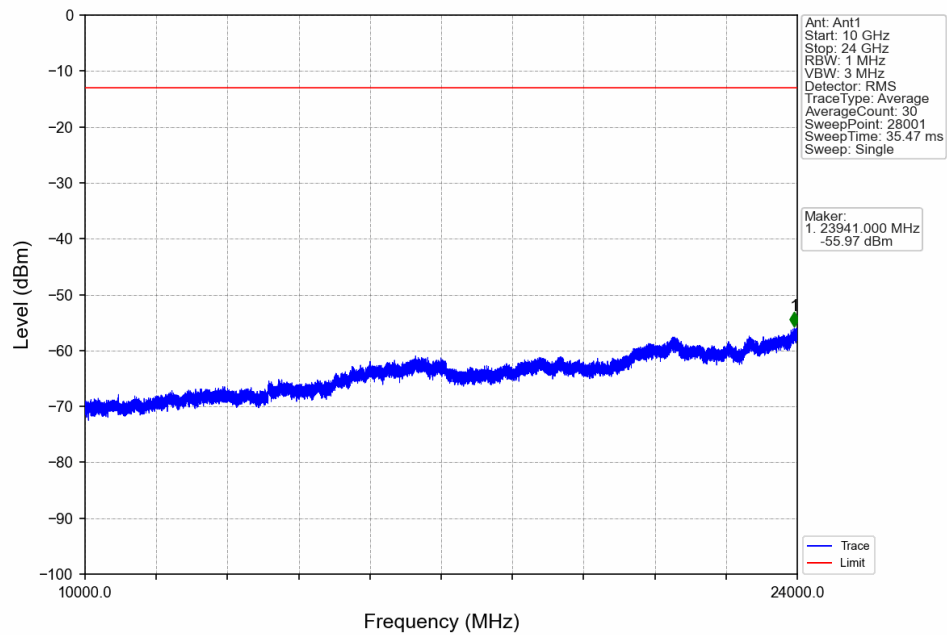
Band40 15MHz QPSK HCH 2392.5MHz RB 75 0 NTNV



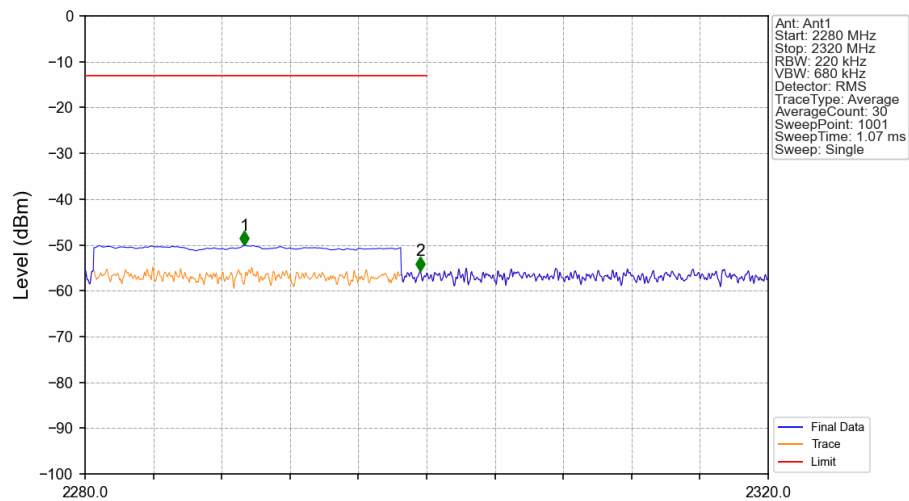
6.2.4 B40_20MHz



Band40 20MHz QPSK LCH 2310MHz RB 1 0 NTNV

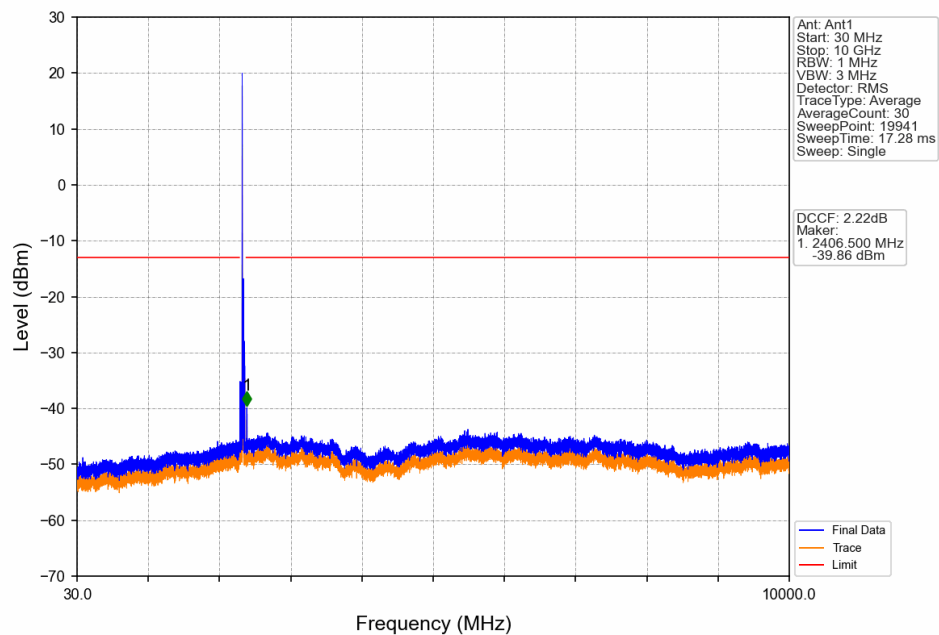


Band40 20MHz QPSK LCH 2310MHz RB 100 0 NTNV

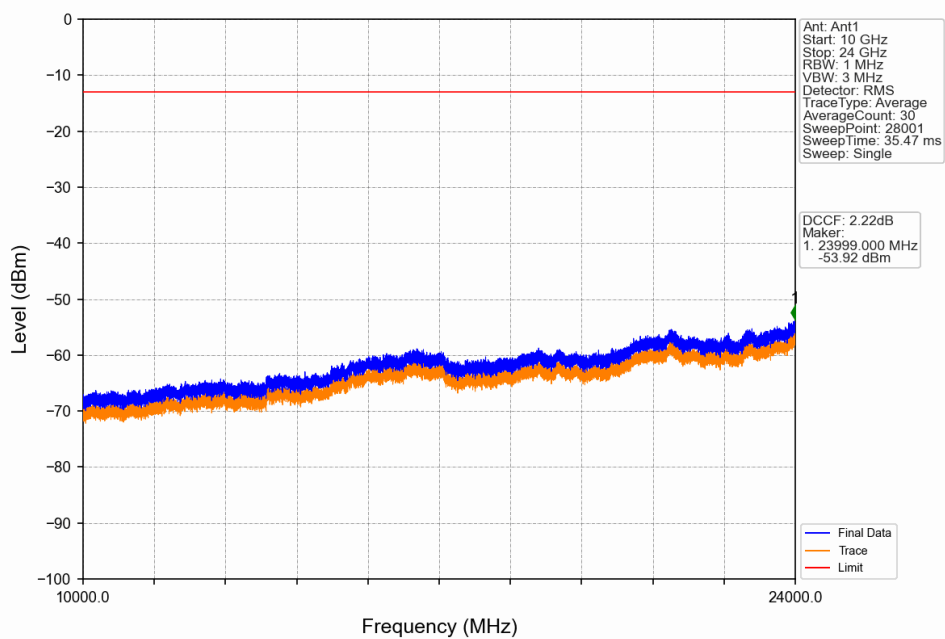


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2280	2299	1	CHP	1	2289.320	-50.14	-13	Pass
2299	2300	0.22	/	2	2299.640	-55.64	-13	Pass
2300	2320	0.22	/	/	/	/	/	/

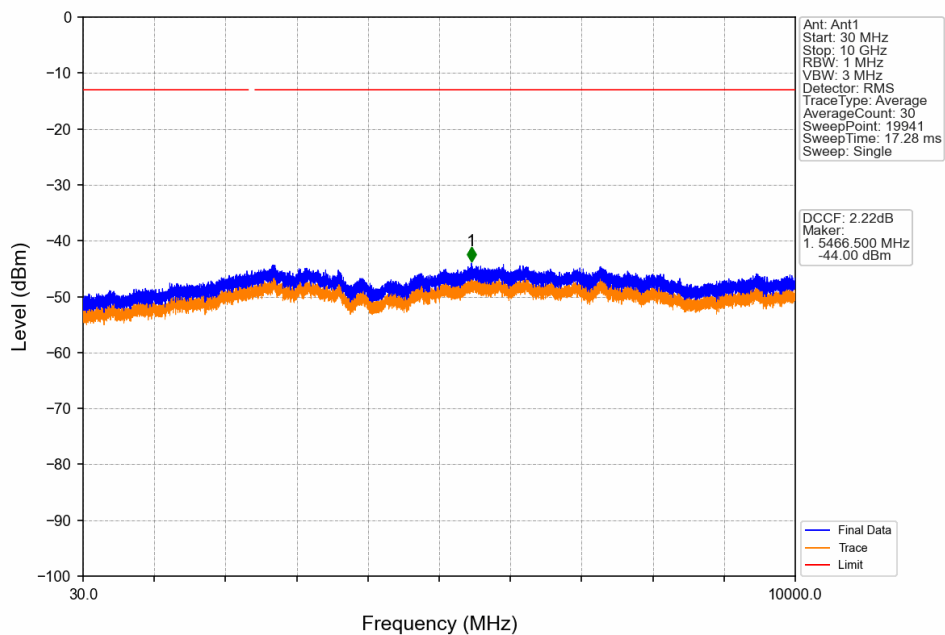
Band40_20MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV



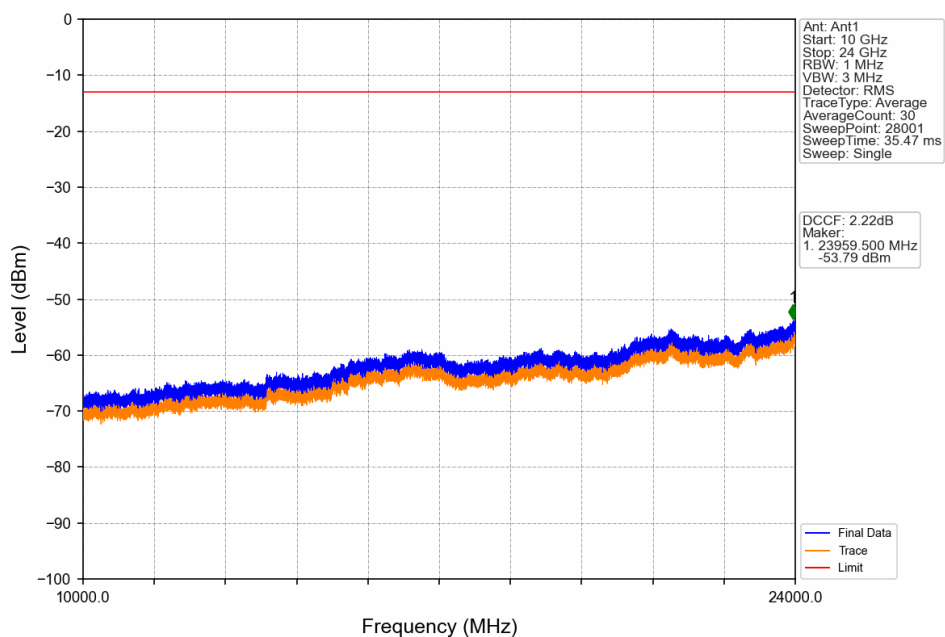
Band40_20MHz_QPSK_MCH_2350MHz_RB_1_0_NTNV



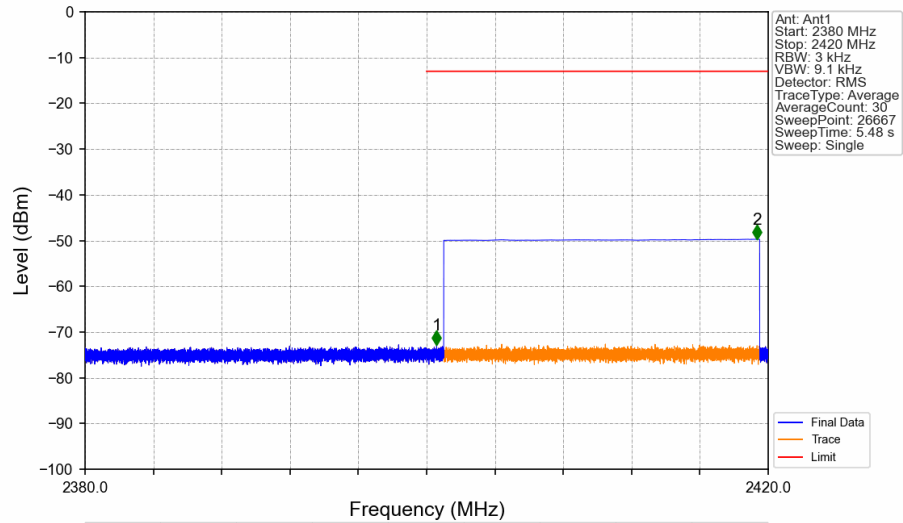
Band40 20MHz QPSK HCH 2390MHz RB 1 0 NTNV



Band40 20MHz QPSK HCH 2390MHz RB 1 0 NTNV



Band40_20MHz_QPSK_HCH_2390MHz_RB_1_99_NTNV



Band40_20MHz_QPSK_HCH_2390MHz_RB_100_0_NTNV

