

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	23.76	-1.12	22.64	<=33.01	Pass
			13	23.66	-1.12	22.54	<=33.01	Pass
			24	23.71	-1.12	22.59	<=33.01	Pass
		12	0	23.17	-1.12	22.05	<=33.01	Pass
			6	23.14	-1.12	22.02	<=33.01	Pass
			13	23.11	-1.12	21.99	<=33.01	Pass
		25	0	23.16	-1.12	22.04	<=33.01	Pass
	2593	1	0	23.62	-1.12	22.50	<=33.01	Pass
			13	23.81	-1.12	22.69	<=33.01	Pass
			24	23.72	-1.12	22.60	<=33.01	Pass
		12	0	23.13	-1.12	22.01	<=33.01	Pass
			6	23.05	-1.12	21.93	<=33.01	Pass
			13	23.07	-1.12	21.95	<=33.01	Pass
		25	0	23.10	-1.12	21.98	<=33.01	Pass
	2687.5	1	0	24.24	-1.12	23.12	<=33.01	Pass
			13	24.09	-1.12	22.97	<=33.01	Pass
			24	24.19	-1.12	23.07	<=33.01	Pass
		12	0	23.65	-1.12	22.53	<=33.01	Pass
			6	23.66	-1.12	22.54	<=33.01	Pass
			13	23.60	-1.12	22.48	<=33.01	Pass
		25	0	23.68	-1.12	22.56	<=33.01	Pass
16QAM	2498.5	1	0	22.62	-1.12	21.50	<=33.01	Pass
			13	22.89	-1.12	21.77	<=33.01	Pass
			24	22.90	-1.12	21.78	<=33.01	Pass
		12	0	22.05	-1.12	20.93	<=33.01	Pass
			6	22.12	-1.12	21.00	<=33.01	Pass
			13	22.01	-1.12	20.89	<=33.01	Pass
		25	0	22.21	-1.12	21.09	<=33.01	Pass
	2593	1	0	22.61	-1.12	21.49	<=33.01	Pass
			13	22.63	-1.12	21.51	<=33.01	Pass
			24	22.71	-1.12	21.59	<=33.01	Pass
		12	0	22.06	-1.12	20.94	<=33.01	Pass
			6	22.11	-1.12	20.99	<=33.01	Pass
			13	22.10	-1.12	20.98	<=33.01	Pass
		25	0	22.12	-1.12	21.00	<=33.01	Pass
	2687.5	1	0	23.18	-1.12	22.06	<=33.01	Pass
			13	23.13	-1.12	22.01	<=33.01	Pass
			24	23.27	-1.12	22.15	<=33.01	Pass
		12	0	22.66	-1.12	21.54	<=33.01	Pass
			6	22.58	-1.12	21.46	<=33.01	Pass
			13	22.69	-1.12	21.57	<=33.01	Pass
		25	0	22.67	-1.12	21.55	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	23.71	-1.12	22.59	<=33.01	Pass
			25	23.72	-1.12	22.60	<=33.01	Pass
			49	23.65	-1.12	22.53	<=33.01	Pass
		25	0	23.13	-1.12	22.01	<=33.01	Pass
			13	23.13	-1.12	22.01	<=33.01	Pass
			25	23.12	-1.12	22.00	<=33.01	Pass
		50	0	23.20	-1.12	22.08	<=33.01	Pass
	2593	1	0	23.58	-1.12	22.46	<=33.01	Pass
			25	23.62	-1.12	22.50	<=33.01	Pass
			49	23.51	-1.12	22.39	<=33.01	Pass
		25	0	23.09	-1.12	21.97	<=33.01	Pass
			13	23.05	-1.12	21.93	<=33.01	Pass
			25	23.11	-1.12	21.99	<=33.01	Pass
		50	0	23.09	-1.12	21.97	<=33.01	Pass
	2685	1	0	24.08	-1.12	22.96	<=33.01	Pass
			25	24.12	-1.12	23.00	<=33.01	Pass
			49	24.08	-1.12	22.96	<=33.01	Pass
		25	0	23.58	-1.12	22.46	<=33.01	Pass
			13	23.65	-1.12	22.53	<=33.01	Pass
			25	23.63	-1.12	22.51	<=33.01	Pass
		50	0	23.68	-1.12	22.56	<=33.01	Pass
16QAM	2501	1	0	22.46	-1.12	21.34	<=33.01	Pass
			25	22.69	-1.12	21.57	<=33.01	Pass
			49	22.71	-1.12	21.59	<=33.01	Pass
		25	0	22.18	-1.12	21.06	<=33.01	Pass
			13	22.11	-1.12	20.99	<=33.01	Pass
			25	22.11	-1.12	20.99	<=33.01	Pass
		50	0	22.11	-1.12	20.99	<=33.01	Pass
	2593	1	0	22.49	-1.12	21.37	<=33.01	Pass
			25	22.54	-1.12	21.42	<=33.01	Pass
			49	22.56	-1.12	21.44	<=33.01	Pass
		25	0	22.05	-1.12	20.93	<=33.01	Pass
			13	22.15	-1.12	21.03	<=33.01	Pass
			25	22.13	-1.12	21.01	<=33.01	Pass
		50	0	22.11	-1.12	20.99	<=33.01	Pass
	2685	1	0	22.99	-1.12	21.87	<=33.01	Pass
			25	23.04	-1.12	21.92	<=33.01	Pass
			49	22.89	-1.12	21.77	<=33.01	Pass
		25	0	22.66	-1.12	21.54	<=33.01	Pass
			13	22.65	-1.12	21.53	<=33.01	Pass
			25	22.72	-1.12	21.60	<=33.01	Pass
		50	0	22.70	-1.12	21.58	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	23.57	-1.12	22.45	<=33.01	Pass
			38	23.61	-1.12	22.49	<=33.01	Pass
			74	23.54	-1.12	22.42	<=33.01	Pass
		36	0	23.09	-1.12	21.97	<=33.01	Pass
			18	23.06	-1.12	21.94	<=33.01	Pass

		75	39	23.00	-1.12	21.88	<=33.01	Pass
			0	23.08	-1.12	21.96	<=33.01	Pass
			0	23.56	-1.12	22.44	<=33.01	Pass
	2593	1	38	23.68	-1.12	22.56	<=33.01	Pass
			74	23.48	-1.12	22.36	<=33.01	Pass
			0	23.05	-1.12	21.93	<=33.01	Pass
		36	18	23.04	-1.12	21.92	<=33.01	Pass
			39	23.06	-1.12	21.94	<=33.01	Pass
			75	23.06	-1.12	21.94	<=33.01	Pass
	2682.5	1	0	24.03	-1.12	22.91	<=33.01	Pass
			38	24.19	-1.12	23.07	<=33.01	Pass
			74	24.10	-1.12	22.98	<=33.01	Pass
		36	0	23.59	-1.12	22.47	<=33.01	Pass
			18	23.63	-1.12	22.51	<=33.01	Pass
			39	23.62	-1.12	22.50	<=33.01	Pass
16QAM	2503.5	1	0	23.60	-1.12	22.48	<=33.01	Pass
			0	22.68	-1.12	21.56	<=33.01	Pass
			38	22.61	-1.12	21.49	<=33.01	Pass
		36	74	22.51	-1.12	21.39	<=33.01	Pass
			0	22.08	-1.12	20.96	<=33.01	Pass
			18	22.04	-1.12	20.92	<=33.01	Pass
	2593	1	39	22.01	-1.12	20.89	<=33.01	Pass
			75	22.04	-1.12	20.92	<=33.01	Pass
			0	22.39	-1.12	21.27	<=33.01	Pass
		36	38	22.52	-1.12	21.40	<=33.01	Pass
			74	22.32	-1.12	21.20	<=33.01	Pass
			0	22.00	-1.12	20.88	<=33.01	Pass
	2682.5	1	18	22.11	-1.12	20.99	<=33.01	Pass
			39	22.14	-1.12	21.02	<=33.01	Pass
			75	22.06	-1.12	20.94	<=33.01	Pass
		36	0	23.02	-1.12	21.90	<=33.01	Pass
			38	23.01	-1.12	21.89	<=33.01	Pass
			74	22.94	-1.12	21.82	<=33.01	Pass
		1	0	22.59	-1.12	21.47	<=33.01	Pass
			18	22.62	-1.12	21.50	<=33.01	Pass
			39	22.62	-1.12	21.50	<=33.01	Pass
		36	75	22.59	-1.12	21.47	<=33.01	Pass
			0	22.59	-1.12	21.47	<=33.01	Pass
			0	22.59	-1.12	21.47	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	23.43	-1.12	22.31	<=33.01	Pass
			50	23.62	-1.12	22.50	<=33.01	Pass
			99	23.45	-1.12	22.33	<=33.01	Pass
		50	0	23.08	-1.12	21.96	<=33.01	Pass
			25	23.07	-1.12	21.95	<=33.01	Pass
			50	23.06	-1.12	21.94	<=33.01	Pass
	2593	100	0	23.10	-1.12	21.98	<=33.01	Pass
		1	0	23.47	-1.12	22.35	<=33.01	Pass
			50	23.64	-1.12	22.52	<=33.01	Pass
			99	23.63	-1.12	22.51	<=33.01	Pass
		50	0	23.09	-1.12	21.97	<=33.01	Pass
			25	23.12	-1.12	22.00	<=33.01	Pass
			50	23.10	-1.12	21.98	<=33.01	Pass
		100	0	23.08	-1.12	21.96	<=33.01	Pass

16QAM	2680	1	0	24.05	-1.12	22.93	<=33.01	Pass
			50	24.16	-1.12	23.04	<=33.01	Pass
			99	24.00	-1.12	22.88	<=33.01	Pass
		50	0	23.63	-1.12	22.51	<=33.01	Pass
			25	23.68	-1.12	22.56	<=33.01	Pass
			50	23.67	-1.12	22.55	<=33.01	Pass
		100	0	23.62	-1.12	22.50	<=33.01	Pass
	2506	1	0	22.37	-1.12	21.25	<=33.01	Pass
			50	22.40	-1.12	21.28	<=33.01	Pass
			99	22.54	-1.12	21.42	<=33.01	Pass
		50	0	22.04	-1.12	20.92	<=33.01	Pass
			25	22.09	-1.12	20.97	<=33.01	Pass
			50	21.98	-1.12	20.86	<=33.01	Pass
		100	0	22.01	-1.12	20.89	<=33.01	Pass
	2593	1	0	22.38	-1.12	21.26	<=33.01	Pass
			50	22.90	-1.12	21.78	<=33.01	Pass
			99	22.55	-1.12	21.43	<=33.01	Pass
		50	0	22.05	-1.12	20.93	<=33.01	Pass
			25	22.12	-1.12	21.00	<=33.01	Pass
			50	22.10	-1.12	20.98	<=33.01	Pass
		100	0	22.09	-1.12	20.97	<=33.01	Pass
	2680	1	0	23.13	-1.12	22.01	<=33.01	Pass
			50	23.26	-1.12	22.14	<=33.01	Pass
			99	22.65	-1.12	21.53	<=33.01	Pass
		50	0	22.62	-1.12	21.50	<=33.01	Pass
			25	22.67	-1.12	21.55	<=33.01	Pass
			50	22.65	-1.12	21.53	<=33.01	Pass
		100	0	22.66	-1.12	21.54	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	25.420	0.0102	-2.5 to 2.5	Pass
					3.85	20.313	0.0081	-2.5 to 2.5	Pass
					4.43	20.642	0.0083	-2.5 to 2.5	Pass
				-30	3.85	6.781	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.561	0.0010	-2.5 to 2.5	Pass
				-10	3.85	5.007	0.0020	-2.5 to 2.5	Pass
				0	3.85	20.642	0.0083	-2.5 to 2.5	Pass
				10	3.85	45.576	0.0182	-2.5 to 2.5	Pass
				30	3.85	34.990	0.0140	-2.5 to 2.5	Pass
				40	3.85	38.037	0.0152	-2.5 to 2.5	Pass
				50	3.85	31.257	0.0125	-2.5 to 2.5	Pass
				2593	25	0	20	3.27	-18.411
	3.85	-25.263	-0.0097					-2.5 to 2.5	Pass
	4.43	-28.996	-0.0112					-2.5 to 2.5	Pass
	-30	3.85	-10.672				-0.0041	-2.5 to 2.5	Pass
	-20	3.85	-34.561				-0.0133	-2.5 to 2.5	Pass
	-10	3.85	-8.898				-0.0034	-2.5 to 2.5	Pass

				0	3.85	-18.296	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-11.101	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-35.419	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-33.145	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-36.507	-0.0141	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	32.802	0.0122	-2.5 to 2.5	Pass
					3.85	33.603	0.0125	-2.5 to 2.5	Pass
					4.43	48.165	0.0179	-2.5 to 2.5	Pass
				-30	3.85	22.917	0.0085	-2.5 to 2.5	Pass
				-20	3.85	21.944	0.0082	-2.5 to 2.5	Pass
				-10	3.85	49.853	0.0185	-2.5 to 2.5	Pass
				0	3.85	14.963	0.0056	-2.5 to 2.5	Pass
				10	3.85	32.144	0.0120	-2.5 to 2.5	Pass
				30	3.85	28.195	0.0105	-2.5 to 2.5	Pass
				40	3.85	45.104	0.0168	-2.5 to 2.5	Pass
				50	3.85	26.121	0.0097	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.27	37.365	0.0150	-2.5 to 2.5	Pass
					3.85	30.828	0.0123	-2.5 to 2.5	Pass
					4.43	22.631	0.0091	-2.5 to 2.5	Pass
				-30	3.85	34.633	0.0139	-2.5 to 2.5	Pass
				-20	3.85	20.957	0.0084	-2.5 to 2.5	Pass
				-10	3.85	19.155	0.0077	-2.5 to 2.5	Pass
				0	3.85	37.551	0.0150	-2.5 to 2.5	Pass
				10	3.85	21.329	0.0085	-2.5 to 2.5	Pass
				30	3.85	28.067	0.0112	-2.5 to 2.5	Pass
				40	3.85	12.860	0.0051	-2.5 to 2.5	Pass
				50	3.85	24.590	0.0098	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	-3.147	-0.0012	-2.5 to 2.5	Pass
					3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
					4.43	-27.266	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-21.272	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-31.328	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-17.552	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-14.949	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-22.917	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-18.497	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-37.622	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-34.962	-0.0135	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	24.691	0.0092	-2.5 to 2.5	Pass
					3.85	26.135	0.0097	-2.5 to 2.5	Pass
					4.43	40.283	0.0150	-2.5 to 2.5	Pass
				-30	3.85	52.714	0.0196	-2.5 to 2.5	Pass
				-20	3.85	27.566	0.0103	-2.5 to 2.5	Pass
				-10	3.85	22.373	0.0083	-2.5 to 2.5	Pass
				0	3.85	54.216	0.0202	-2.5 to 2.5	Pass
				10	3.85	60.039	0.0223	-2.5 to 2.5	Pass
				30	3.85	27.609	0.0103	-2.5 to 2.5	Pass
				40	3.85	61.612	0.0229	-2.5 to 2.5	Pass
				50	3.85	55.461	0.0206	-2.5 to 2.5	Pass

2.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.27	6.437	0.0026	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0024	-2.5 to 2.5	Pass

				-30	3.85	6.251	0.0025	-2.5 to 2.5	Pass
				-20	3.85	9.484	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-9.255	-0.0037	-2.5 to 2.5	Pass
				0	3.85	3.734	0.0015	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				30	3.85	5.193	0.0021	-2.5 to 2.5	Pass
				40	3.85	10.200	0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0025	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-5.136	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.848	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-9.427	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				30	3.85	10.858	0.0042	-2.5 to 2.5	Pass
				40	3.85	12.374	0.0048	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0007	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-8.655	-0.0032	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0016	-2.5 to 2.5	Pass
					4.43	-17.281	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-9.027	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.873	0.0003	-2.5 to 2.5	Pass
				0	3.85	6.695	0.0025	-2.5 to 2.5	Pass
				10	3.85	4.950	0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.047	0.0011	-2.5 to 2.5	Pass
				50	3.85	10.786	0.0040	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.27	9.212	0.0037	-2.5 to 2.5	Pass
					3.85	4.992	0.0020	-2.5 to 2.5	Pass
					4.43	-9.885	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				-20	3.85	10.157	0.0041	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	5.479	0.0022	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.460	0.0010	-2.5 to 2.5	Pass
				50	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	0.687	0.0003	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0029	-2.5 to 2.5	Pass
					4.43	-9.756	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	15.292	0.0059	-2.5 to 2.5	Pass
				-20	3.85	7.682	0.0030	-2.5 to 2.5	Pass
				-10	3.85	-11.988	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0019	-2.5 to 2.5	Pass
				30	3.85	12.617	0.0049	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0013	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-11.415	-0.0043	-2.5 to 2.5	Pass
					3.85	4.077	0.0015	-2.5 to 2.5	Pass
					4.43	10.886	0.0041	-2.5 to 2.5	Pass
				-30	3.85	-9.642	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0002	-2.5 to 2.5	Pass
				0	3.85	-6.380	-0.0024	-2.5 to 2.5	Pass

				10	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-13.361	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-9.670	-0.0036	-2.5 to 2.5	Pass

2.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.27	0.973	0.0004	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.764	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.717	0.0007	-2.5 to 2.5	Pass
				10	3.85	4.435	0.0018	-2.5 to 2.5	Pass
				30	3.85	4.549	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.748	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.190	0.0013	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-9.241	-0.0036	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
					4.43	9.069	0.0035	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				-10	3.85	6.766	0.0026	-2.5 to 2.5	Pass
				0	3.85	-10.586	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				40	3.85	4.592	0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-1.473	-0.0005	-2.5 to 2.5	Pass
					3.85	1.473	0.0005	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-15.564	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				0	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0028	-2.5 to 2.5	Pass
				40	3.85	5.465	0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.922	-0.0022	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-0.558	-0.0002	-2.5 to 2.5	Pass
					3.85	4.406	0.0018	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	6.480	0.0026	-2.5 to 2.5	Pass
				-20	3.85	11.201	0.0045	-2.5 to 2.5	Pass
				-10	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.345	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.406	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.732	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.429	0.0002	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-11.101	-0.0043	-2.5 to 2.5	Pass
					3.85	4.892	0.0019	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	6.580	0.0025	-2.5 to 2.5	Pass

				-20	3.85	6.294	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0023	-2.5 to 2.5	Pass
				0	3.85	2.975	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				30	3.85	5.980	0.0023	-2.5 to 2.5	Pass
				40	3.85	-11.988	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-1.302	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	6.309	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-9.871	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-11.115	-0.0041	-2.5 to 2.5	Pass
				10	3.85	3.190	0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				40	3.85	7.982	0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.292	-0.0016	-2.5 to 2.5	Pass

2.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-0.701	-0.0003	-2.5 to 2.5	Pass
					3.85	8.426	0.0034	-2.5 to 2.5	Pass
					4.43	1.774	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	3.605	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0008	-2.5 to 2.5	Pass
				0	3.85	2.503	0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				40	3.85	2.546	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	4.535	0.0017	-2.5 to 2.5	Pass
					3.85	-9.713	-0.0037	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	3.963	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				0	3.85	4.277	0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
				30	3.85	6.409	0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-10.901	-0.0042	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	5.708	0.0021	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.789	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.890	0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0015	-2.5 to 2.5	Pass
				30	3.85	4.406	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.675	0.0010	-2.5 to 2.5	Pass
				50	3.85	6.351	0.0024	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	5.980	0.0024	-2.5 to 2.5	Pass

					3.85	2.546	0.0010	-2.5 to 2.5	Pass
					4.43	8.583	0.0034	-2.5 to 2.5	Pass
				-30	3.85	6.537	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	8.712	0.0035	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				10	3.85	11.816	0.0047	-2.5 to 2.5	Pass
				30	3.85	2.775	0.0011	-2.5 to 2.5	Pass
				40	3.85	10.629	0.0042	-2.5 to 2.5	Pass
				50	3.85	4.563	0.0018	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	2.761	0.0011	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0031	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	5.980	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				10	3.85	3.448	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-5.279	-0.0020	-2.5 to 2.5	Pass
					3.85	1.502	0.0006	-2.5 to 2.5	Pass
					4.43	3.018	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.734	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.260	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0003	-2.5 to 2.5	Pass
				10	3.85	3.991	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0012	-2.5 to 2.5	Pass
				40	3.85	11.172	0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.047	-0.0011	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass

3.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

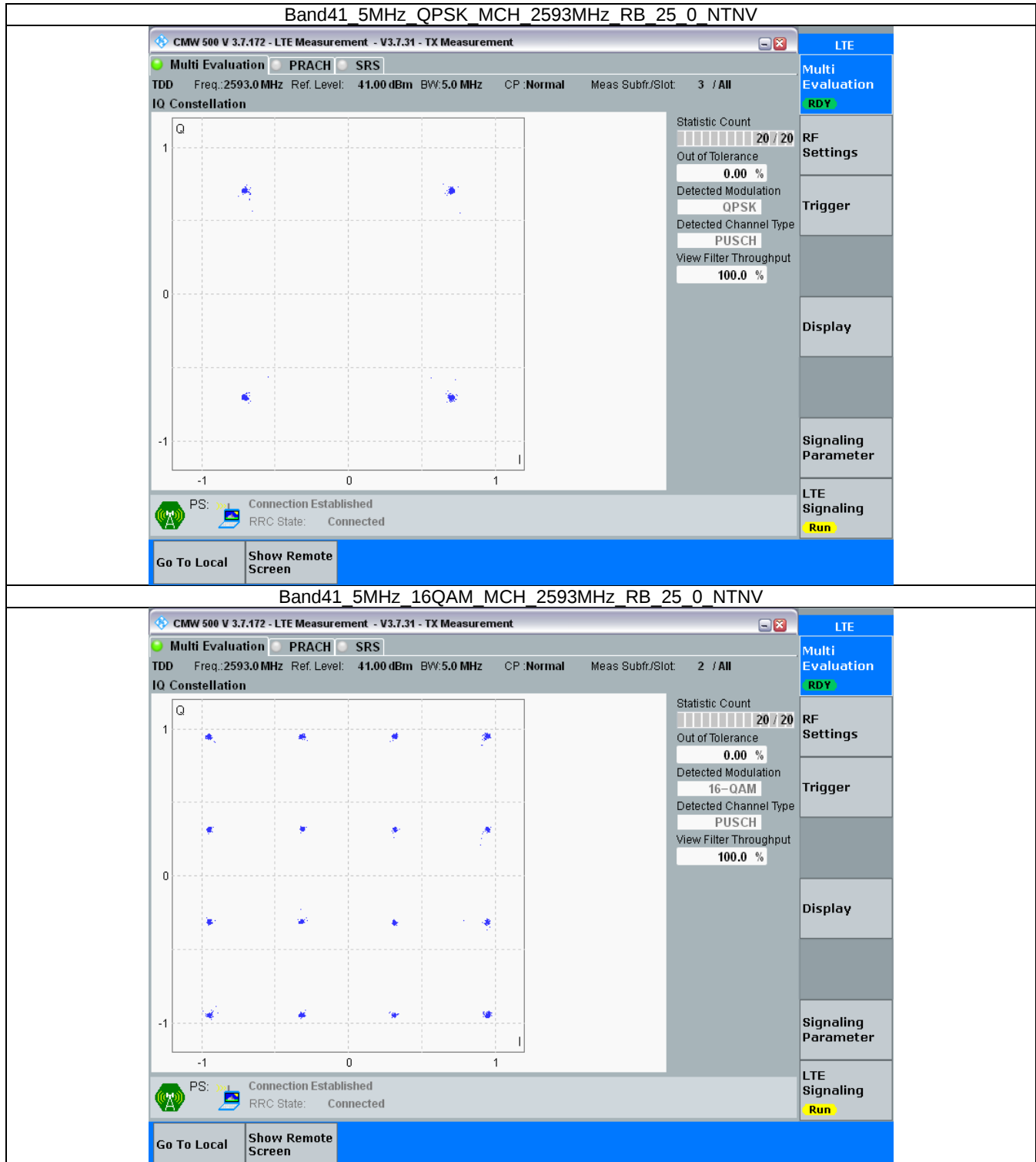
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

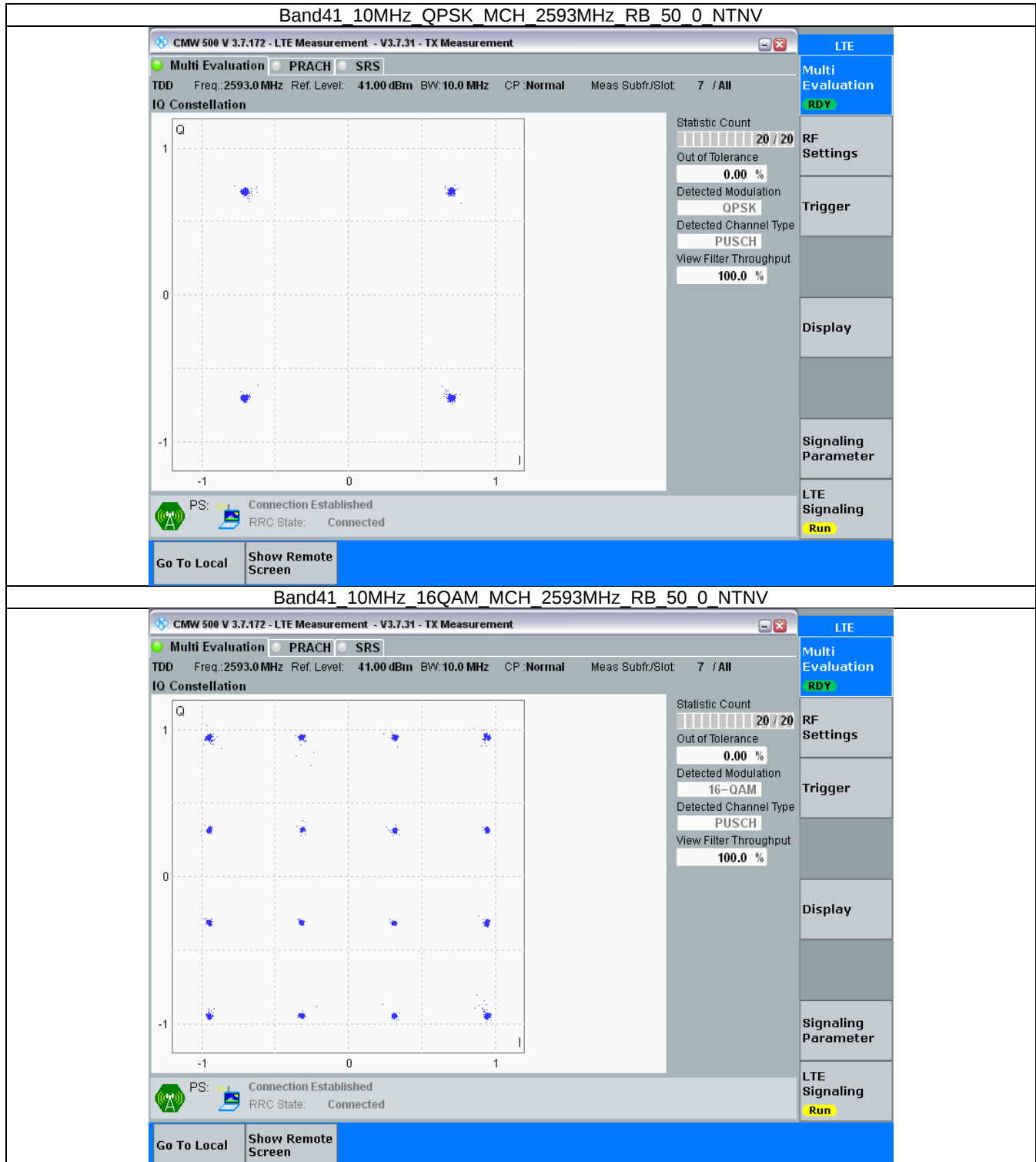
Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

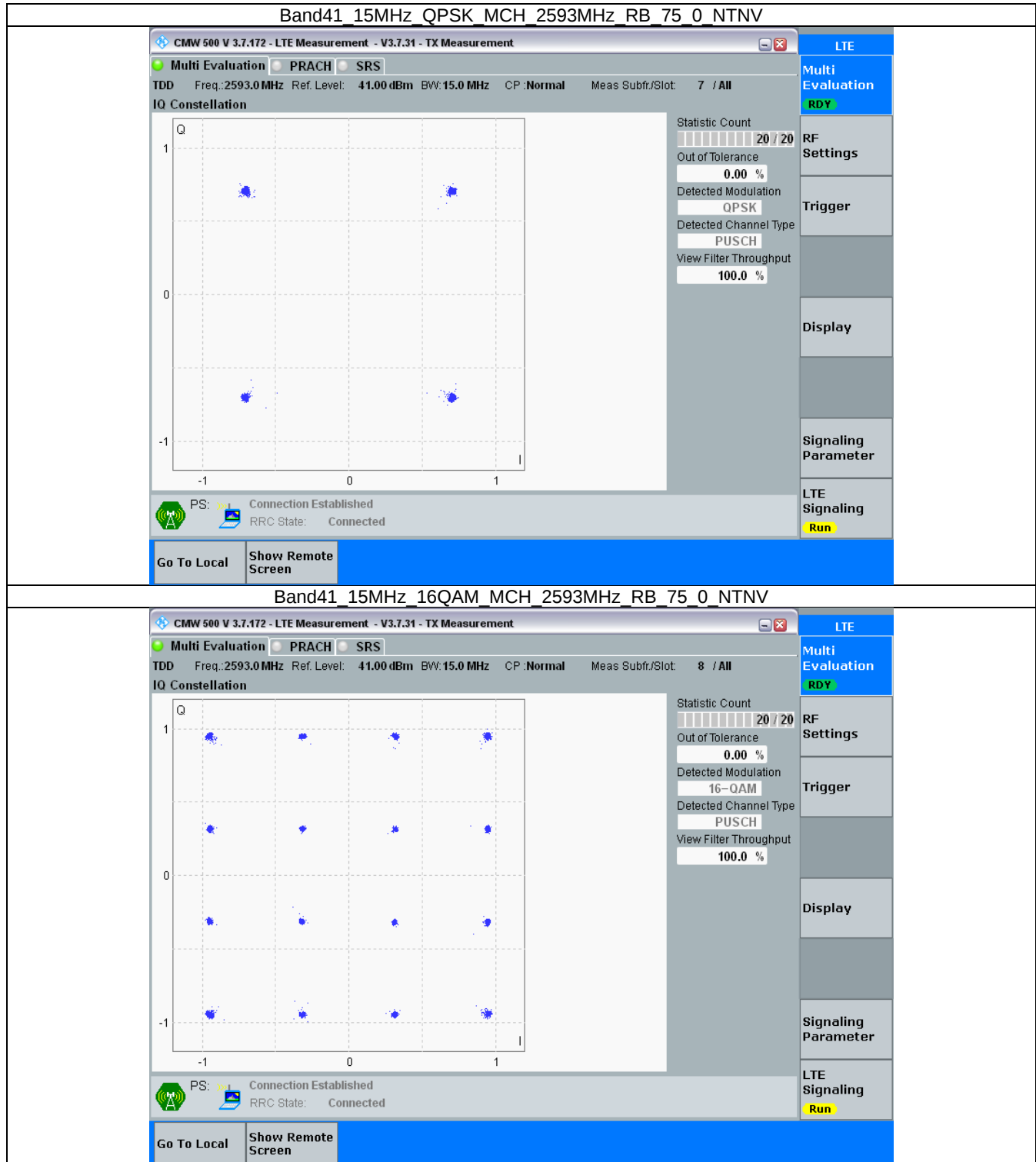
3.2.1 B41_5MHz



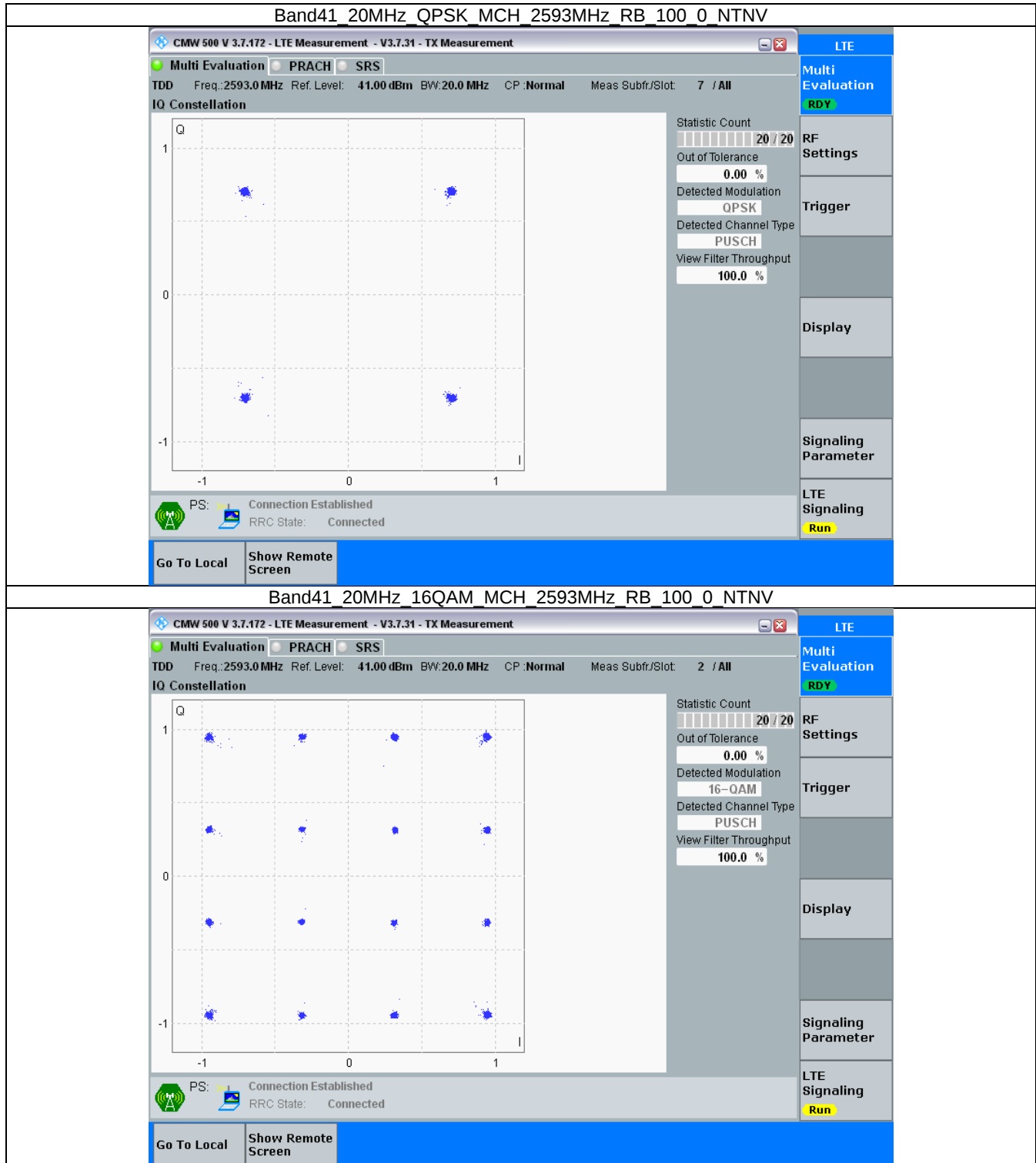
3.2.2 B41_10MHz



3.2.3 B41_15MHz



3.2.4 B41_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.555	/	Pass
		2593	25	0	4.550	/	Pass
		2687.5	25	0	4.563	/	Pass
	16QAM	2498.5	25	0	4.543	/	Pass
		2593	25	0	4.537	/	Pass
		2687.5	25	0	4.582	/	Pass
10	QPSK	2501	50	0	9.072	/	Pass
		2593	50	0	9.073	/	Pass
		2685	50	0	9.081	/	Pass
	16QAM	2501	50	0	9.067	/	Pass
		2593	50	0	9.051	/	Pass
		2685	50	0	9.086	/	Pass
15	QPSK	2503.5	75	0	13.606	/	Pass
		2593	75	0	13.618	/	Pass
		2682.5	75	0	13.566	/	Pass
	16QAM	2503.5	75	0	13.582	/	Pass
		2593	75	0	13.598	/	Pass
		2682.5	75	0	13.618	/	Pass
20	QPSK	2506	100	0	18.070	/	Pass
		2593	100	0	18.097	/	Pass
		2680	100	0	18.129	/	Pass
	16QAM	2506	100	0	18.117	/	Pass
		2593	100	0	18.073	/	Pass
		2680	100	0	18.103	/	Pass

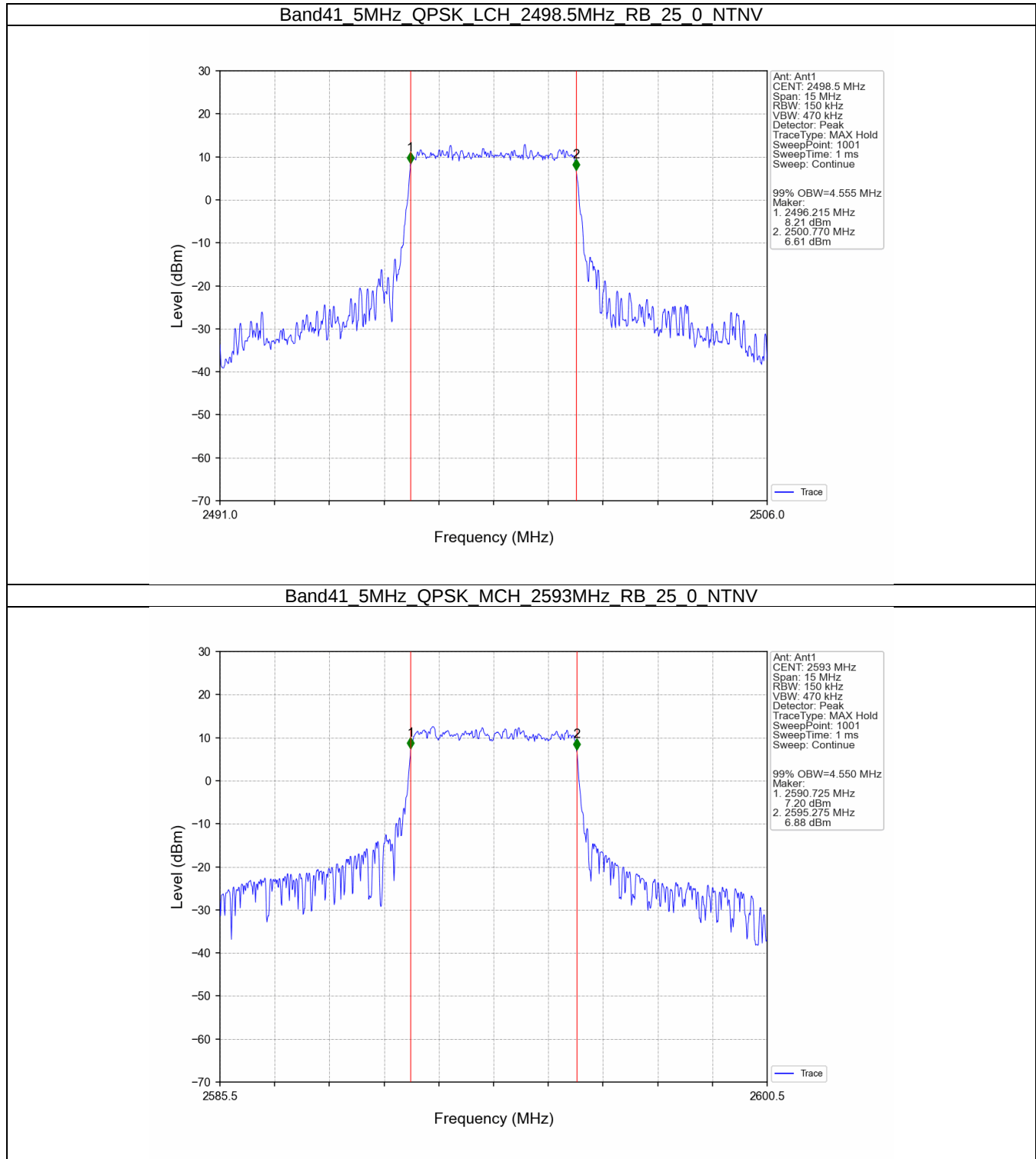
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.054	/	Pass
		2593	25	0	5.561	/	Pass
		2687.5	25	0	5.224	/	Pass
	16QAM	2498.5	25	0	5.116	/	Pass
		2593	25	0	5.143	/	Pass
		2687.5	25	0	5.238	/	Pass
10	QPSK	2501	50	0	10.395	/	Pass
		2593	50	0	11.092	/	Pass
		2685	50	0	10.773	/	Pass
	16QAM	2501	50	0	11.231	/	Pass
		2593	50	0	10.827	/	Pass
		2685	50	0	9.911	/	Pass
15	QPSK	2503.5	75	0	16.172	/	Pass
		2593	75	0	15.195	/	Pass
		2682.5	75	0	15.708	/	Pass

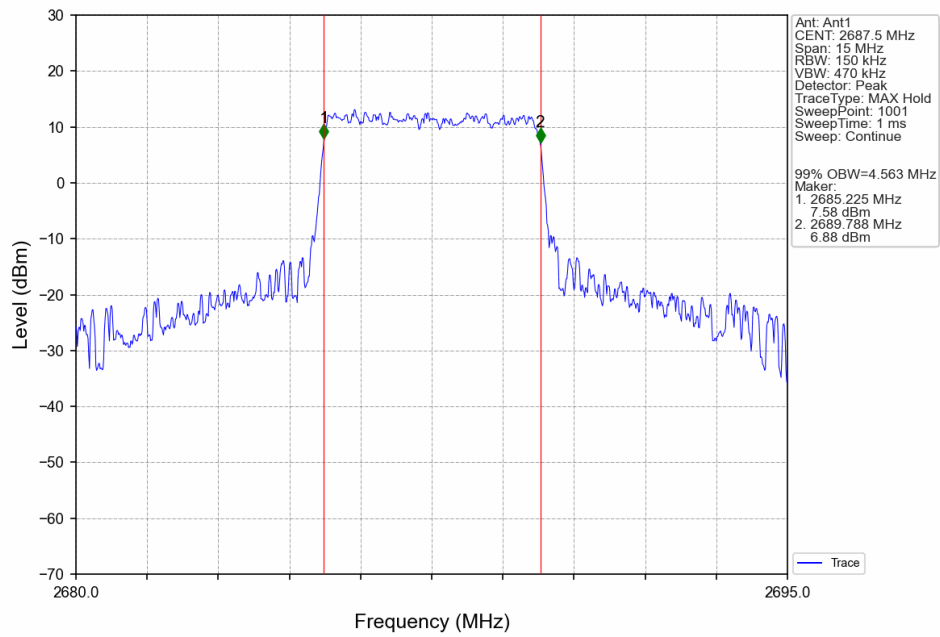
20	16QAM	2503.5	75	0	15.324	/	Pass
		2593	75	0	15.166	/	Pass
		2682.5	75	0	16.354	/	Pass
	QPSK	2506	100	0	20.781	/	Pass
		2593	100	0	19.734	/	Pass
		2680	100	0	19.876	/	Pass
	16QAM	2506	100	0	22.040	/	Pass
		2593	100	0	20.295	/	Pass
		2680	100	0	19.670	/	Pass

4.2 Test Graph

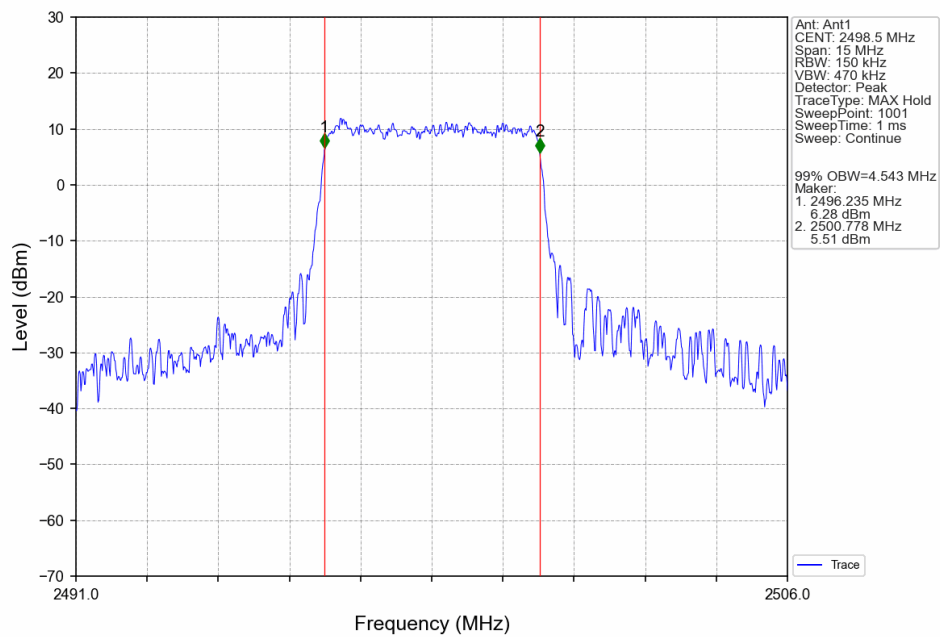
4.2.1 Band41_OBW



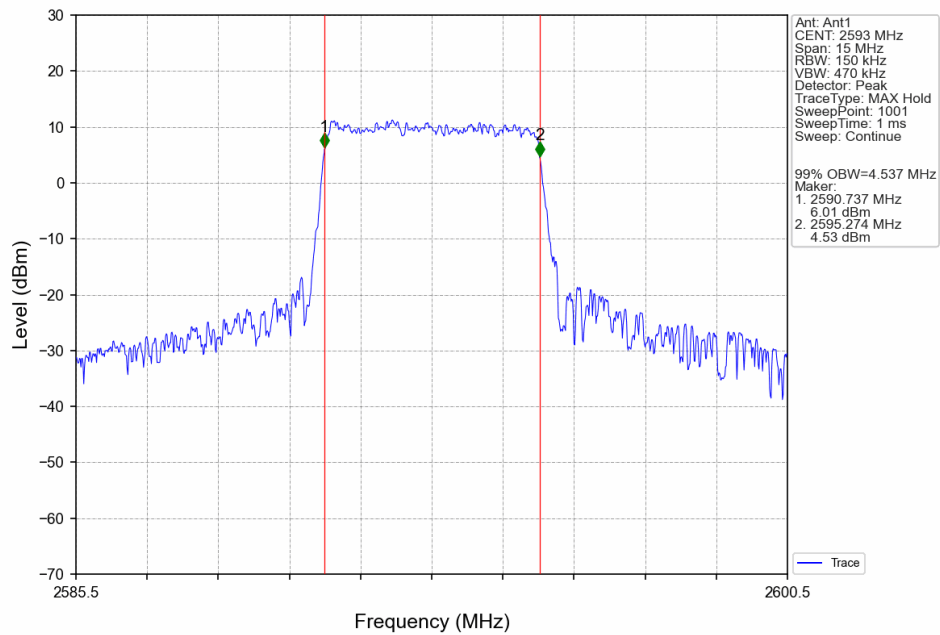
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



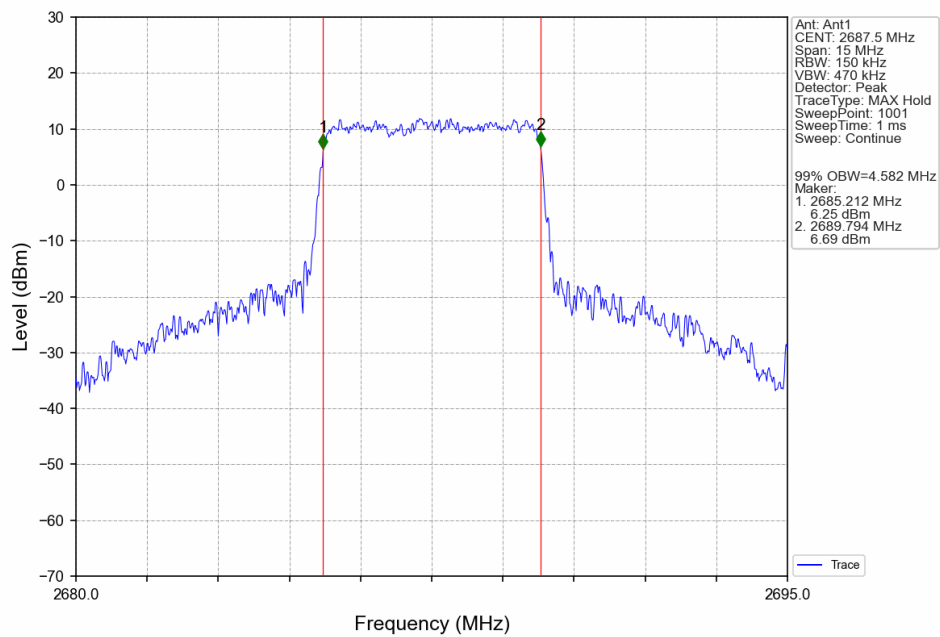
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



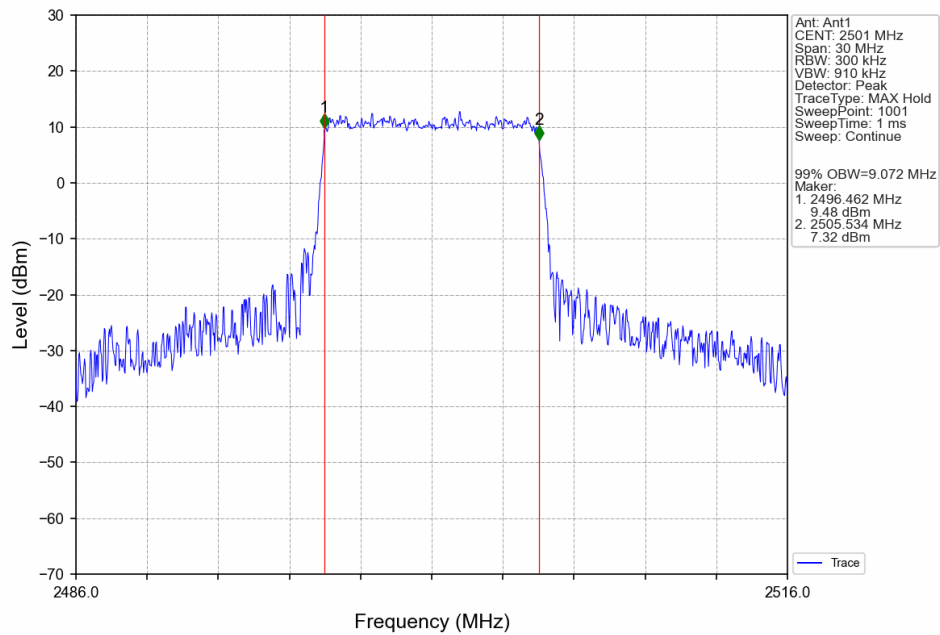
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



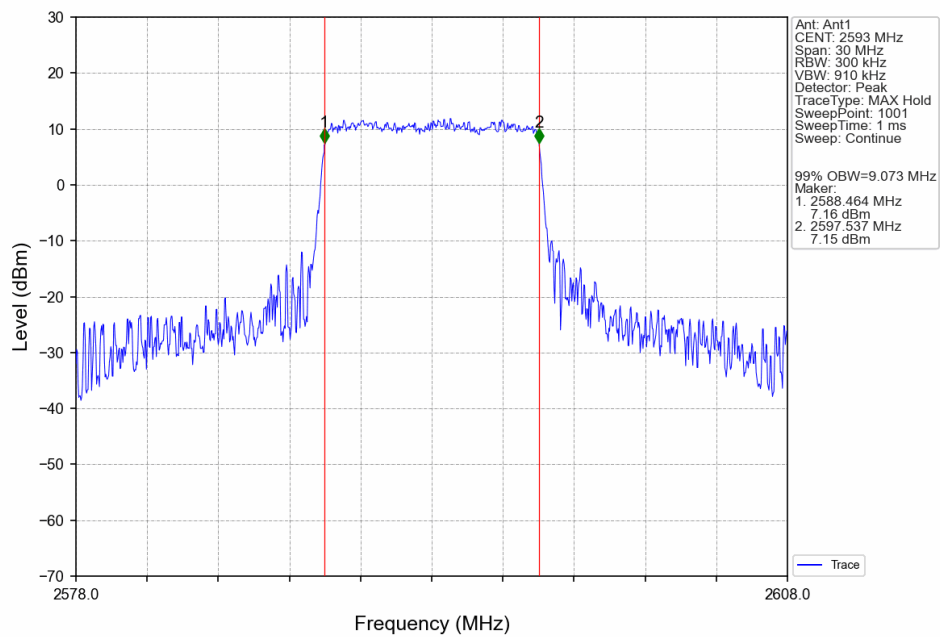
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



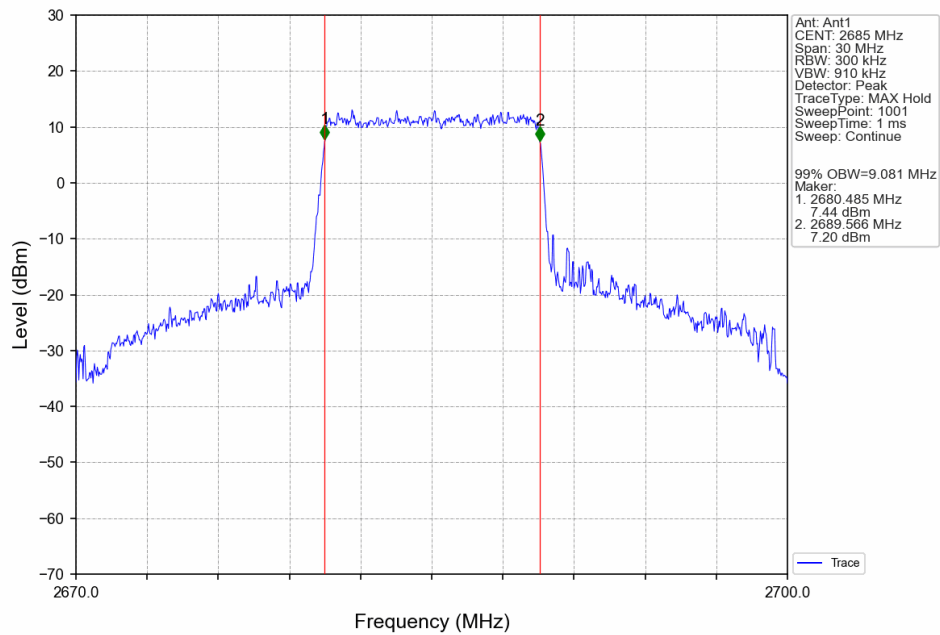
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



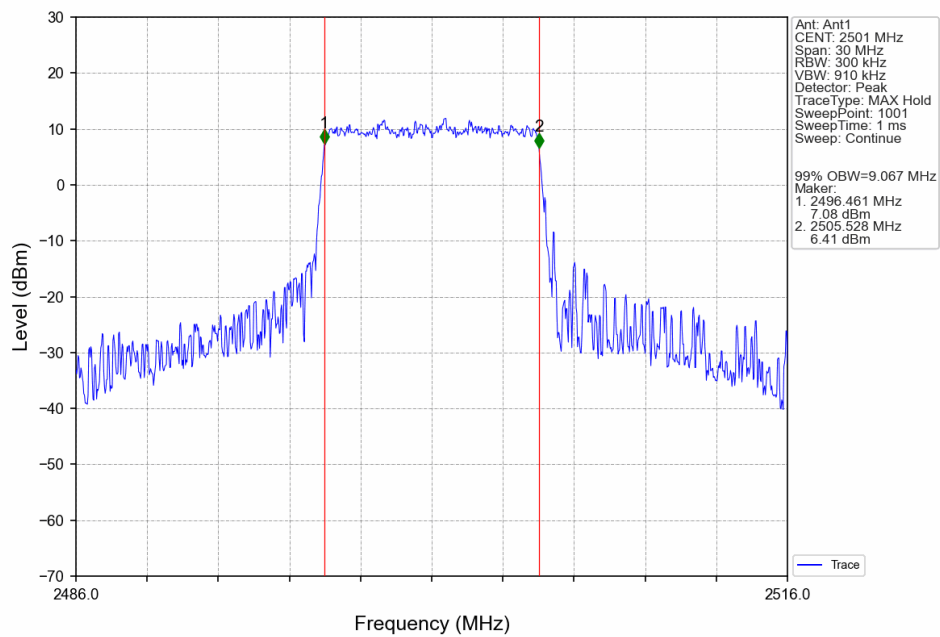
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



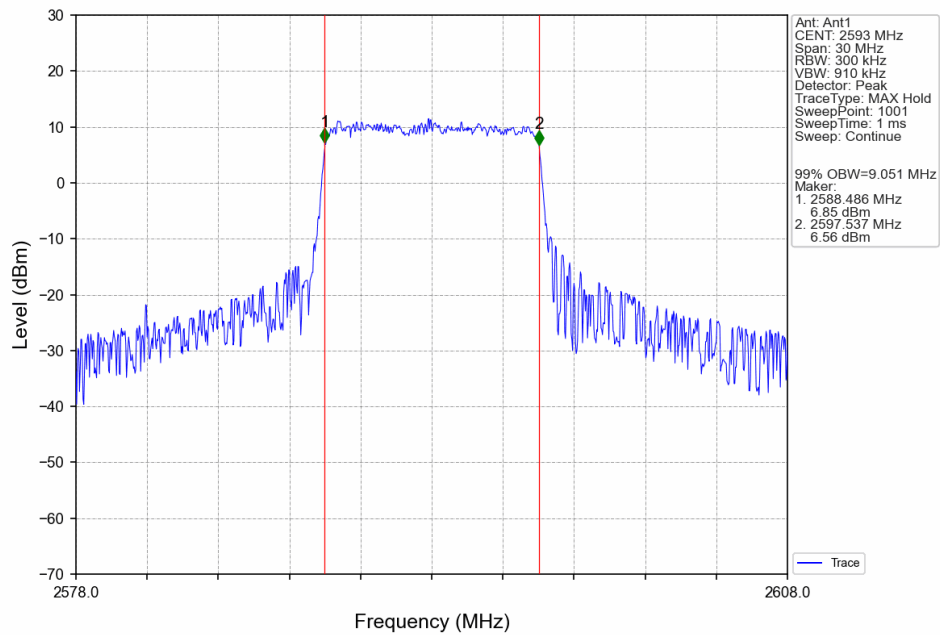
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



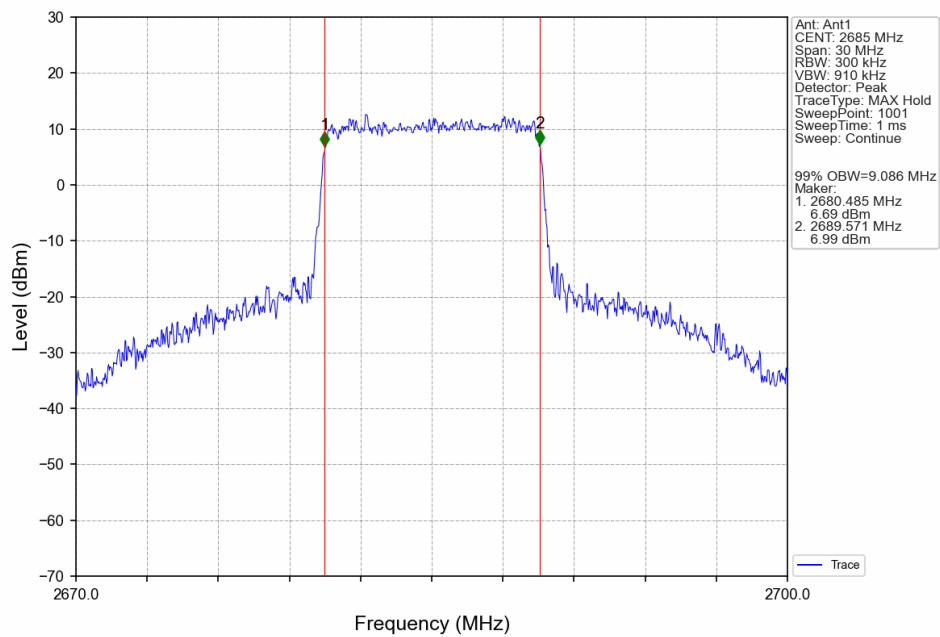
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



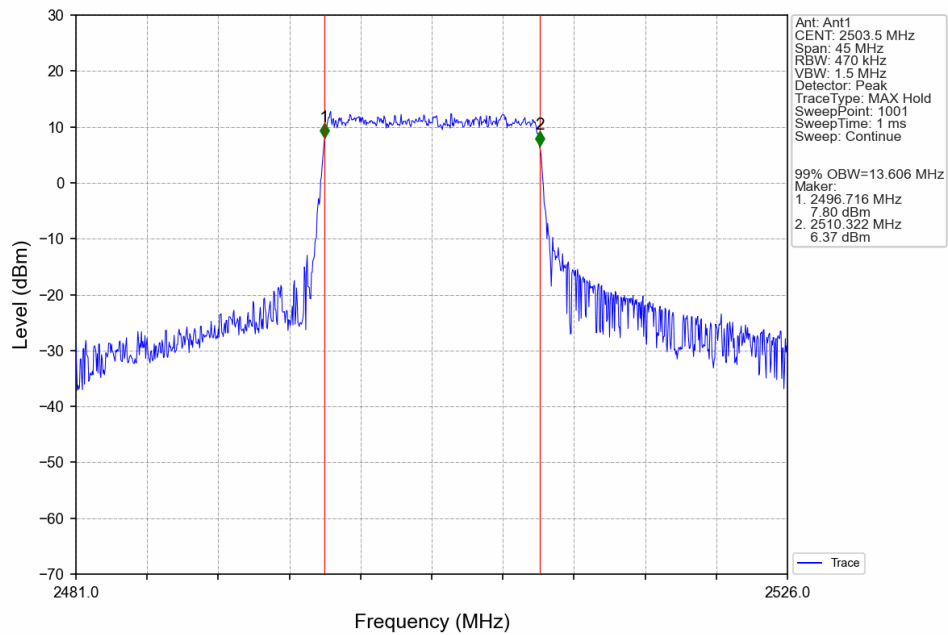
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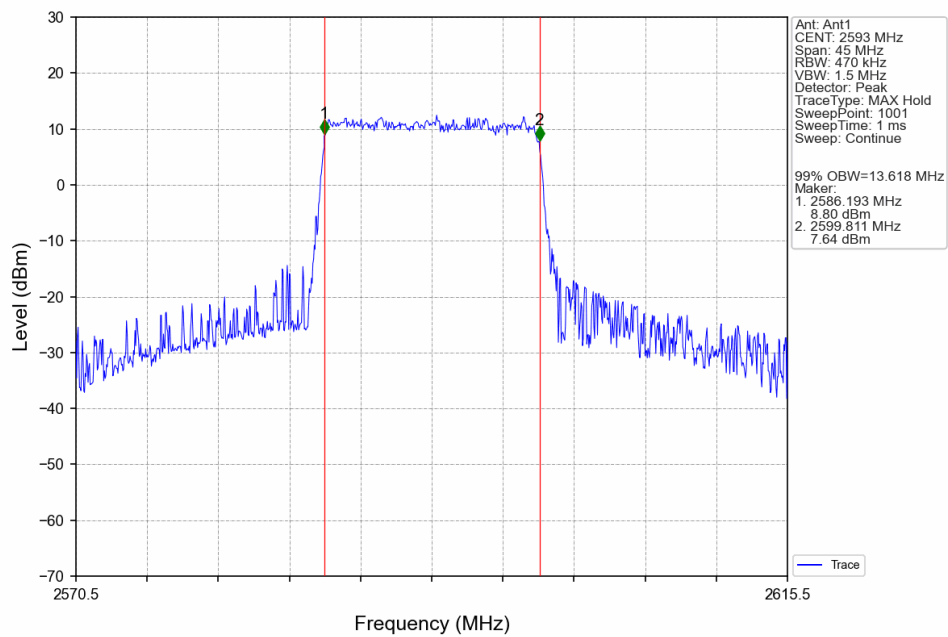
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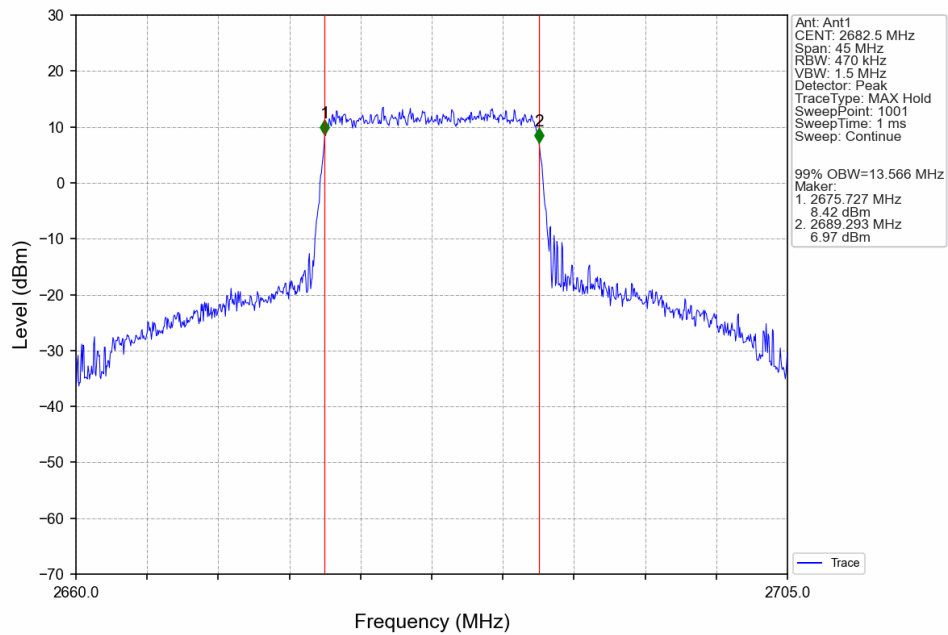
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



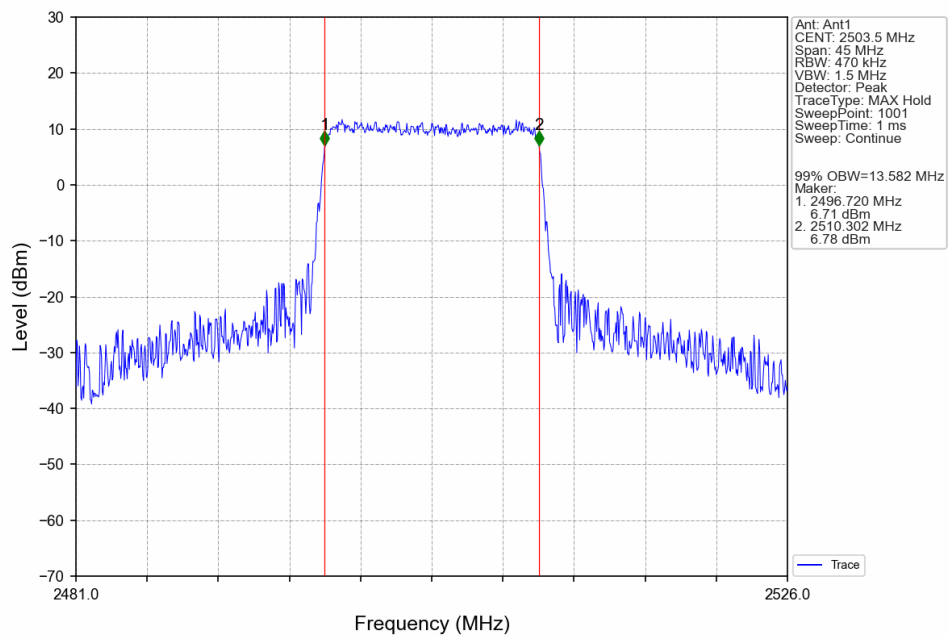
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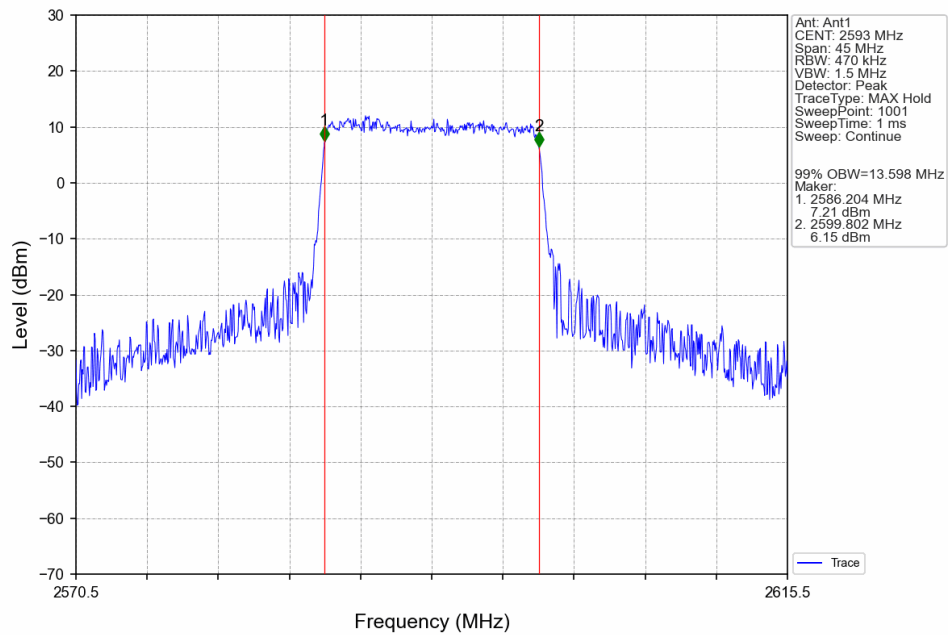
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



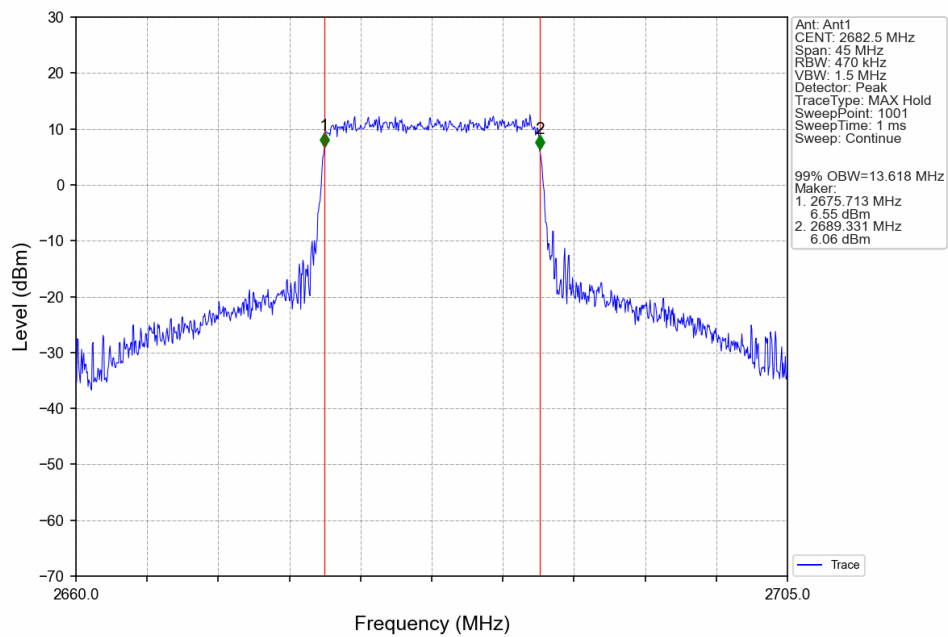
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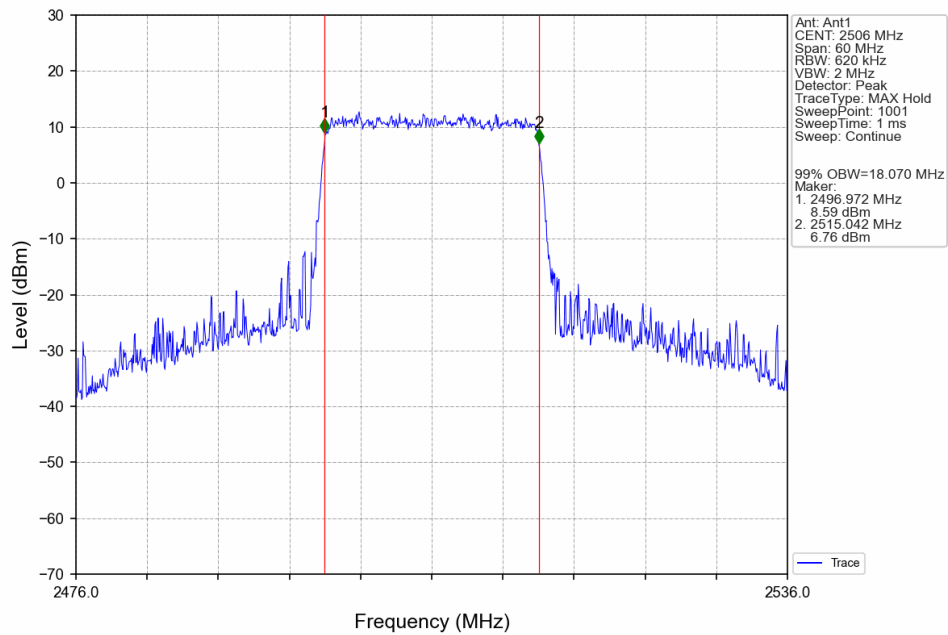
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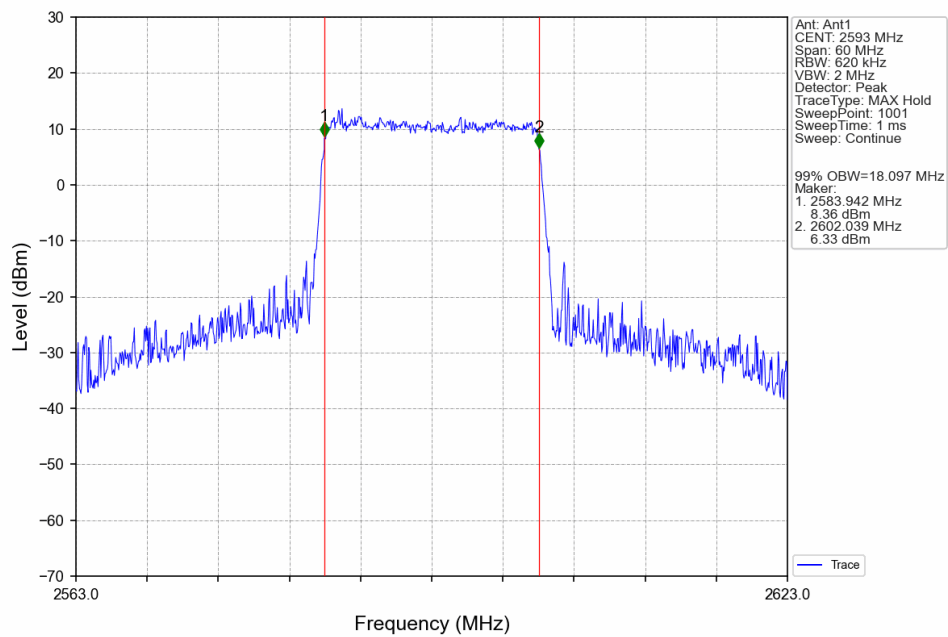
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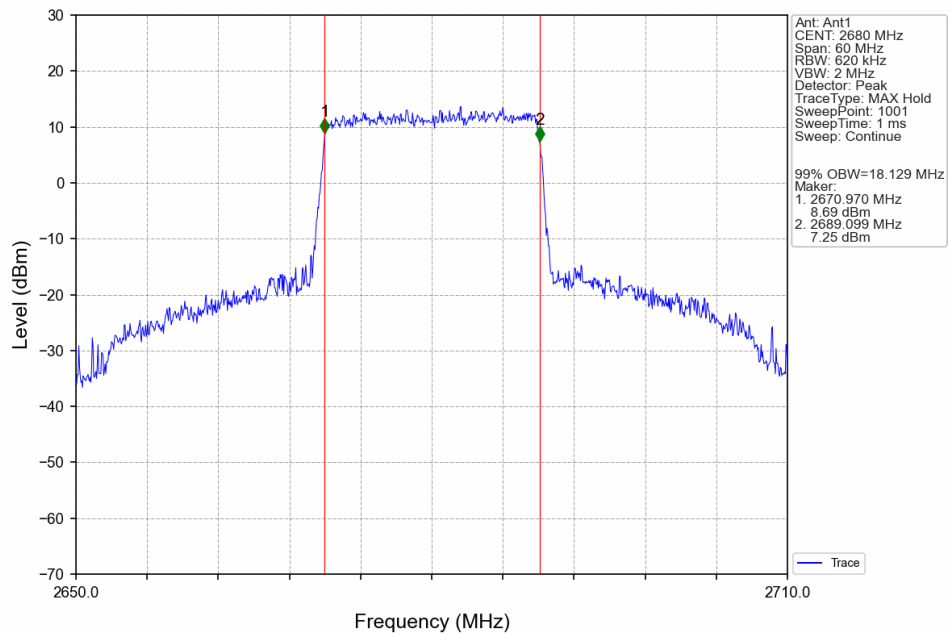
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



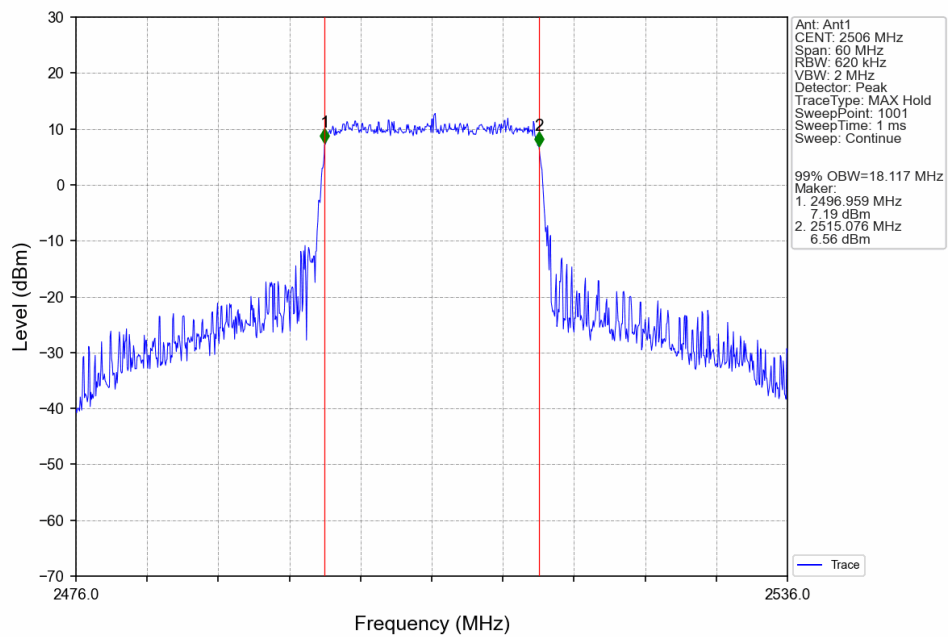
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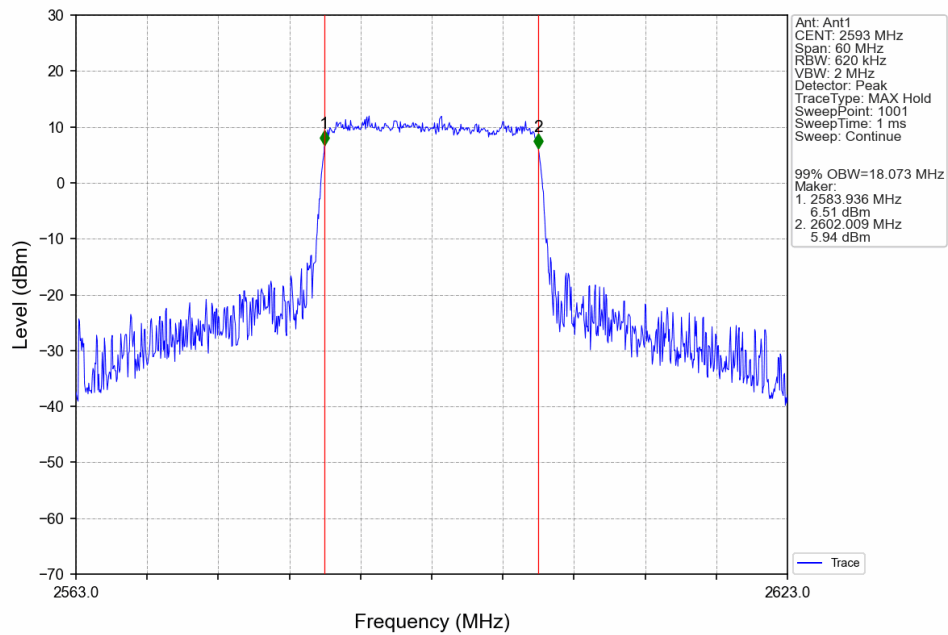
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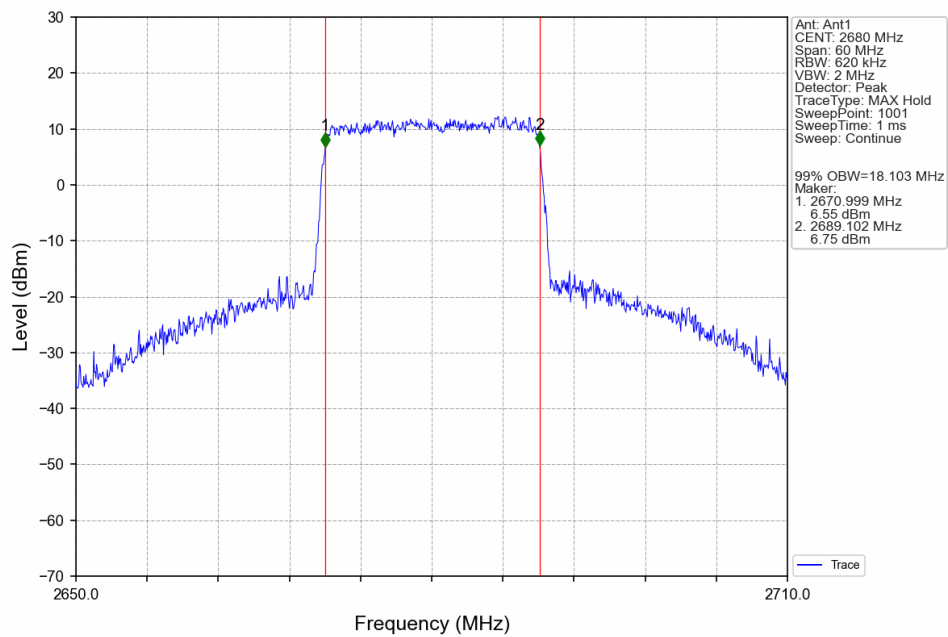
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Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

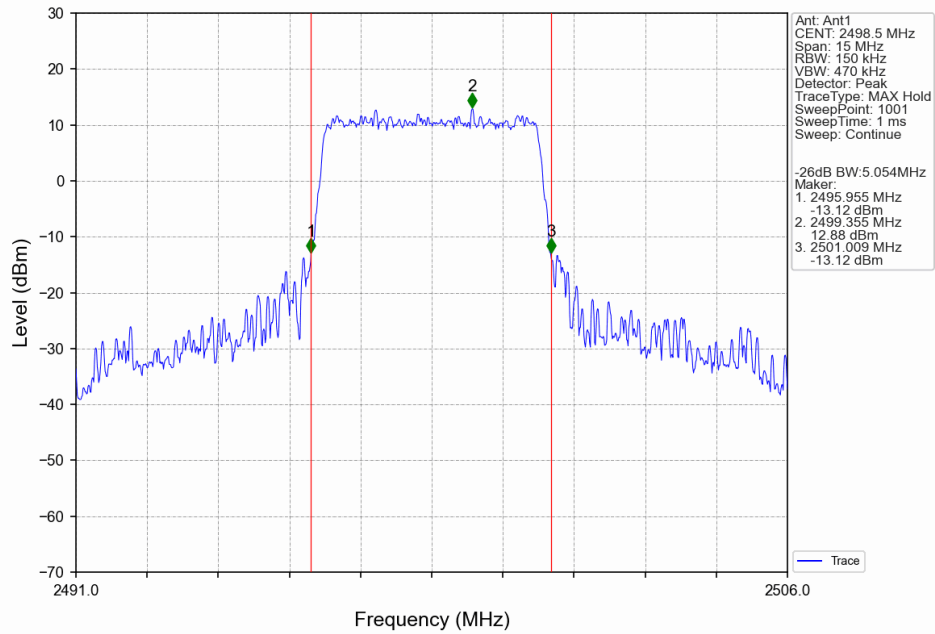


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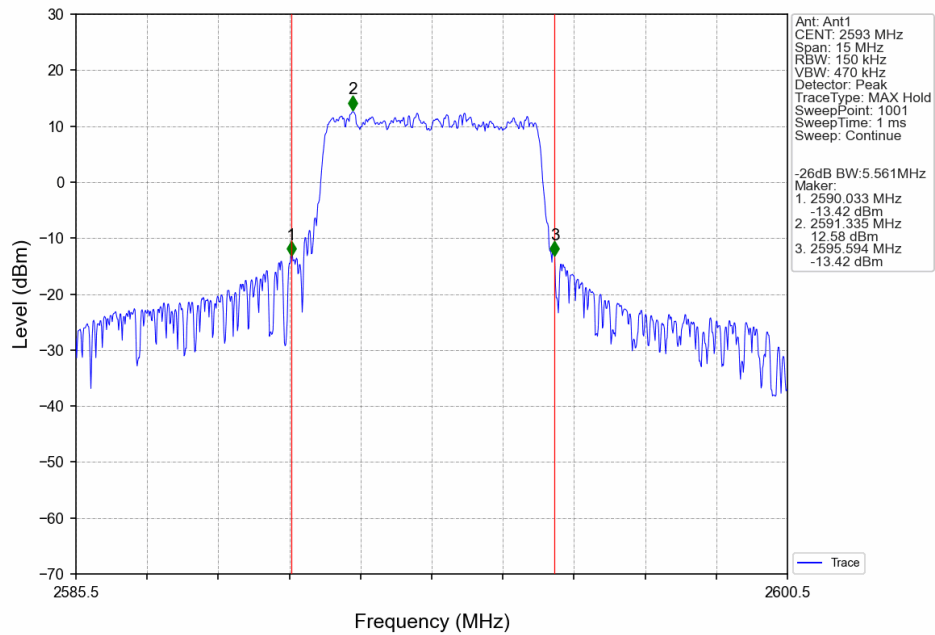


4.2.2 Band41_XDB

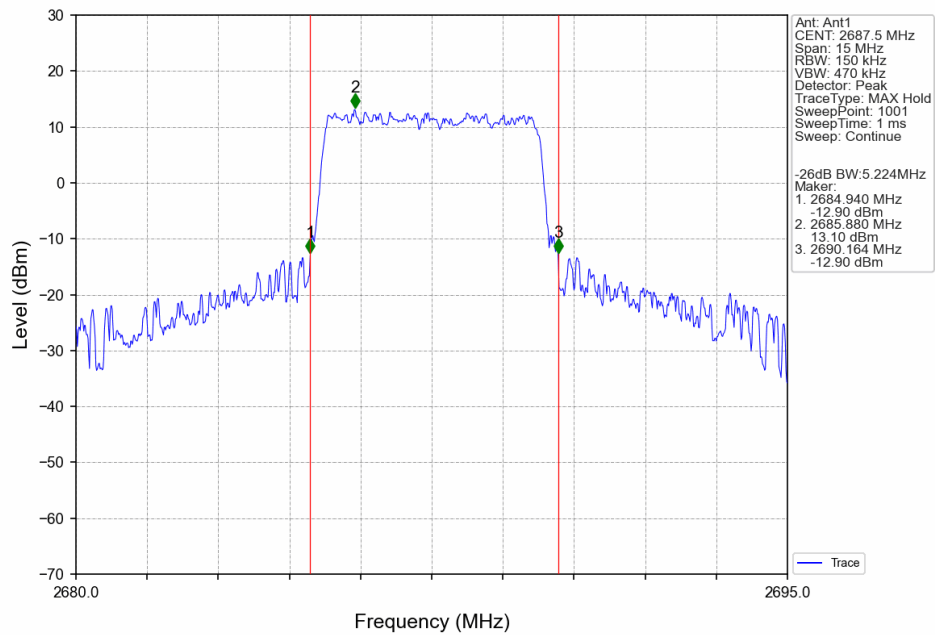
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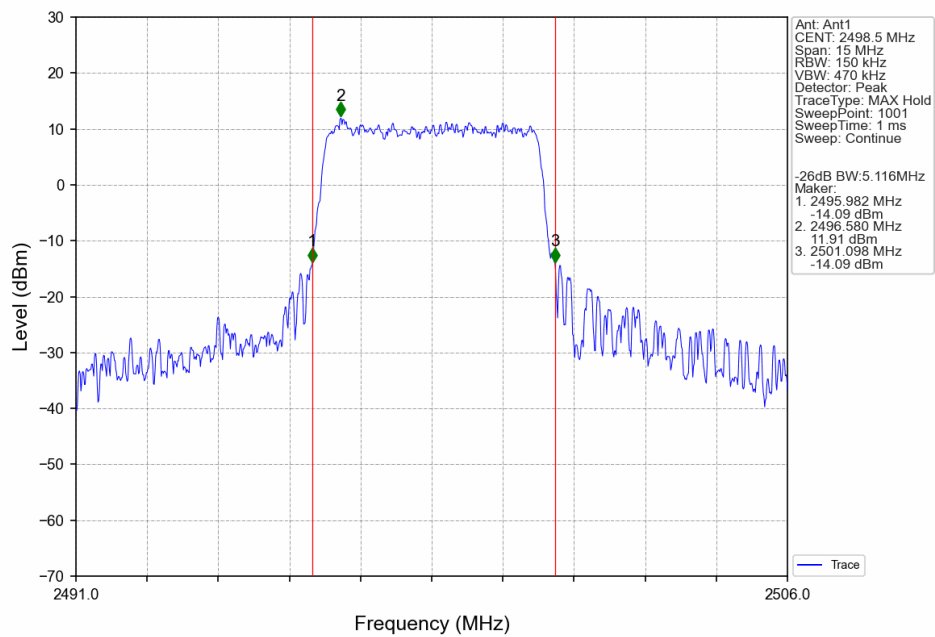
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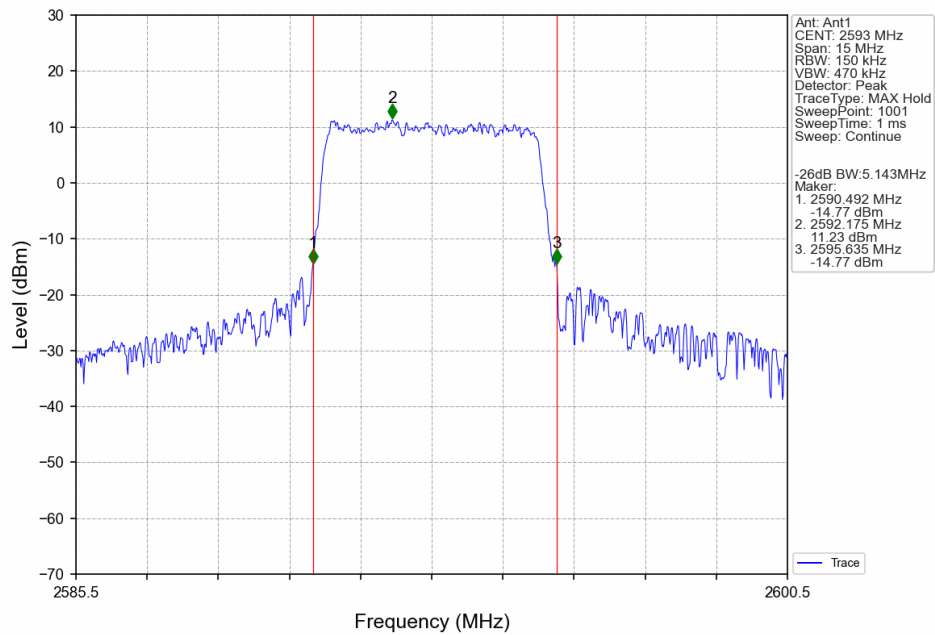
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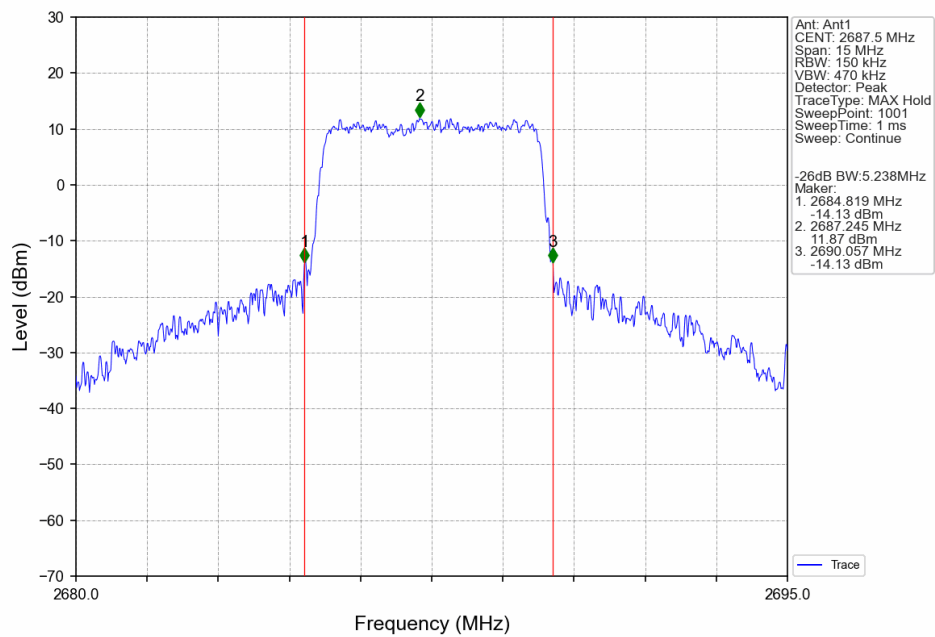
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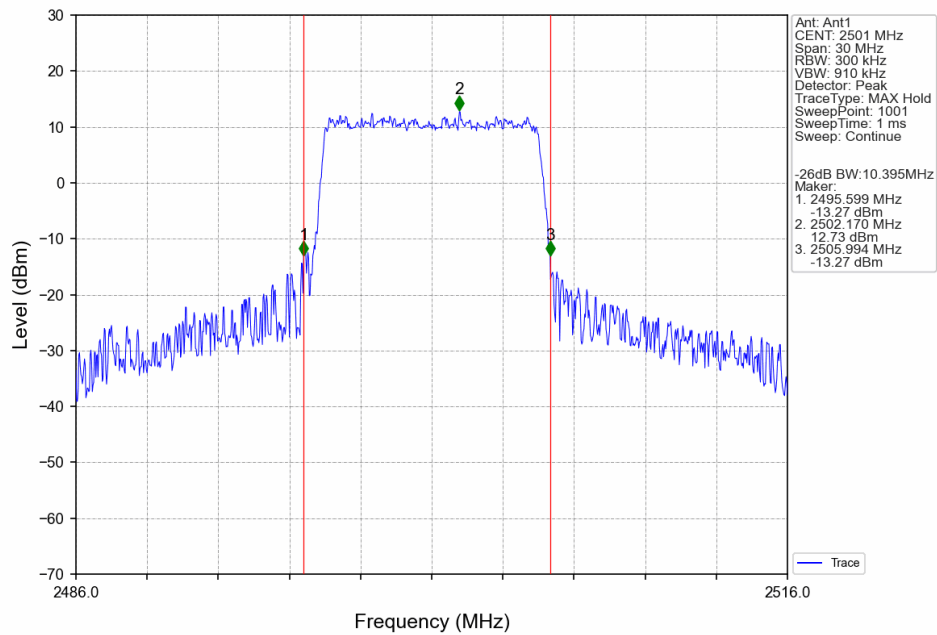
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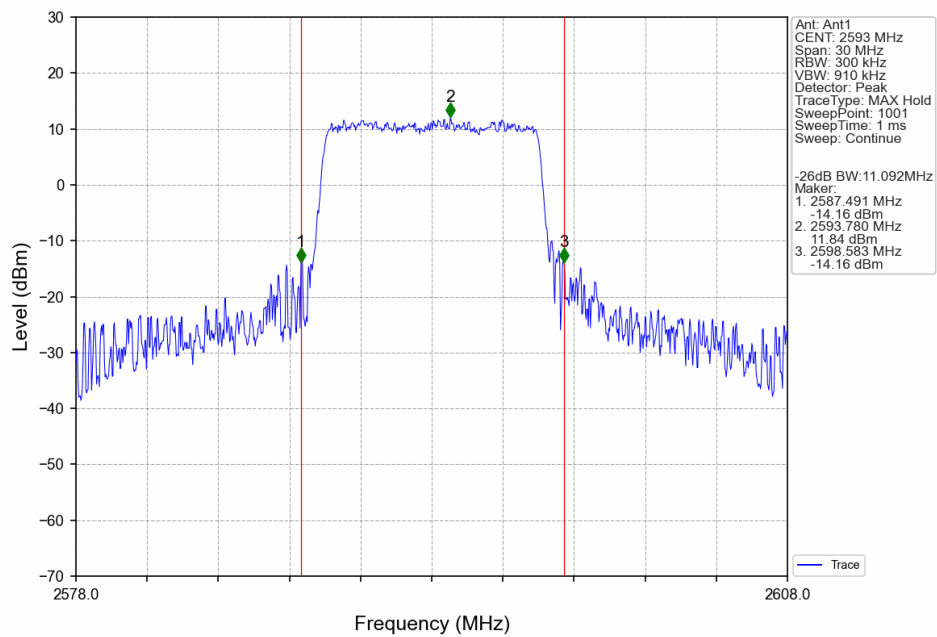
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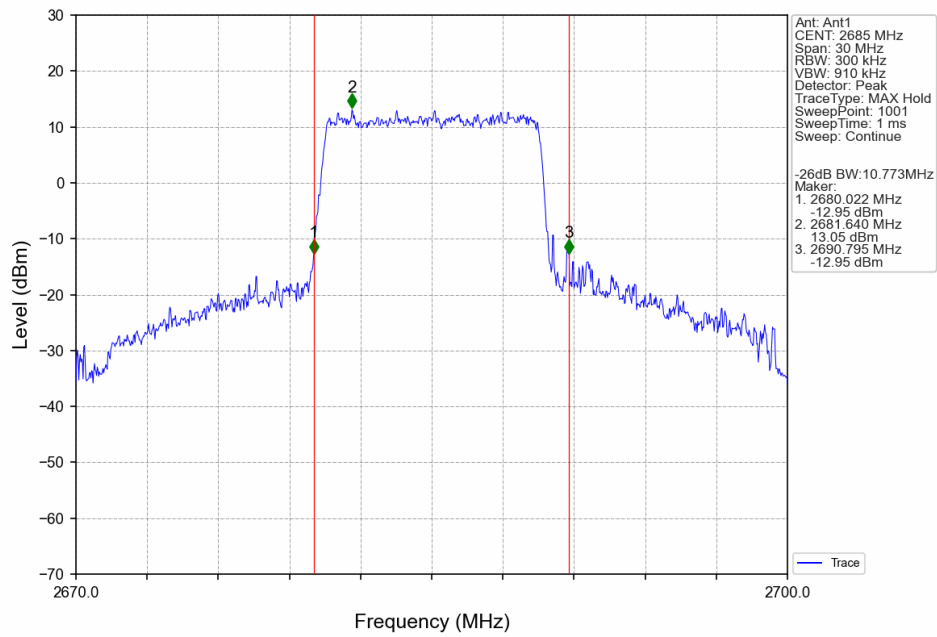
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



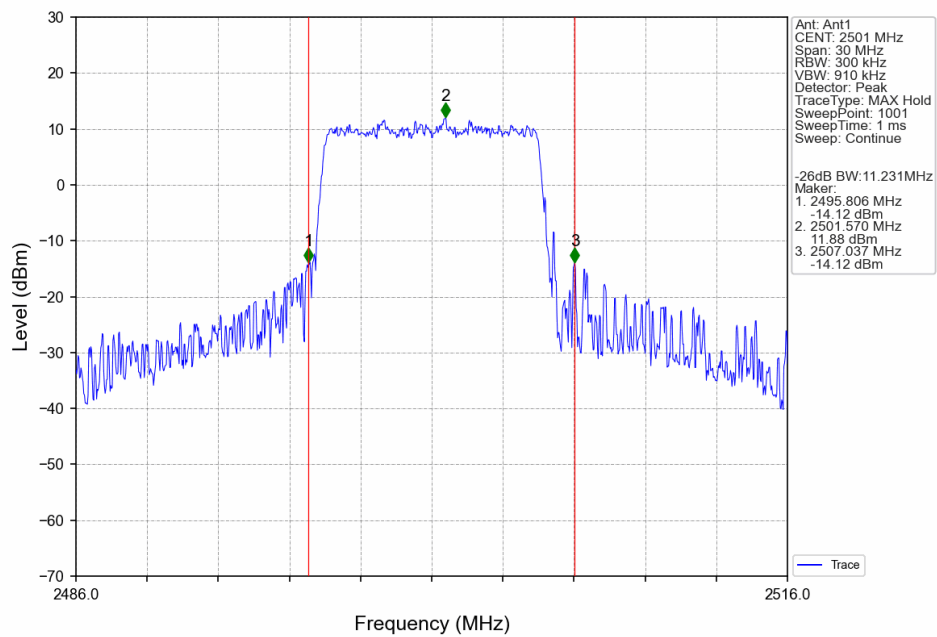
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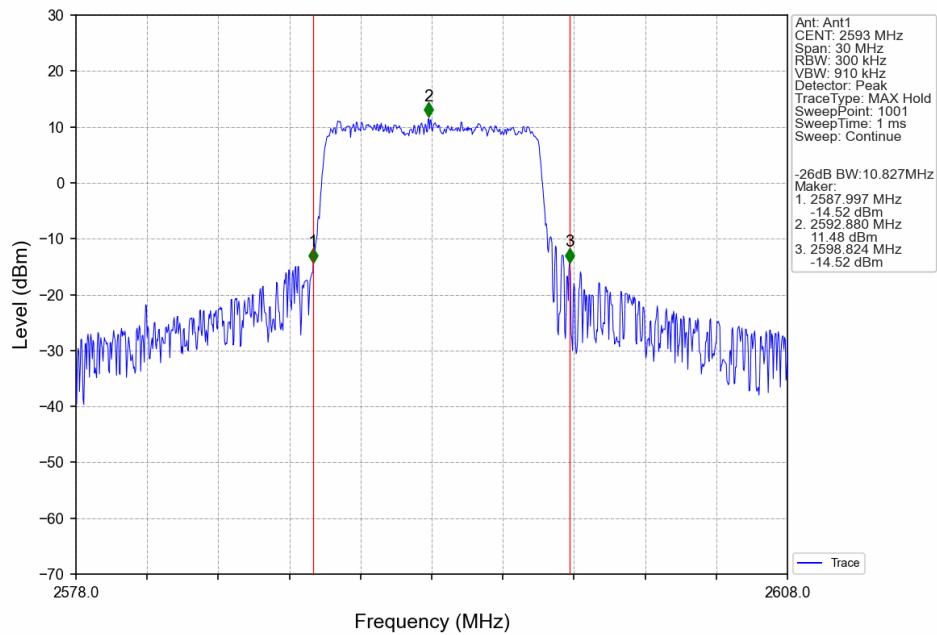
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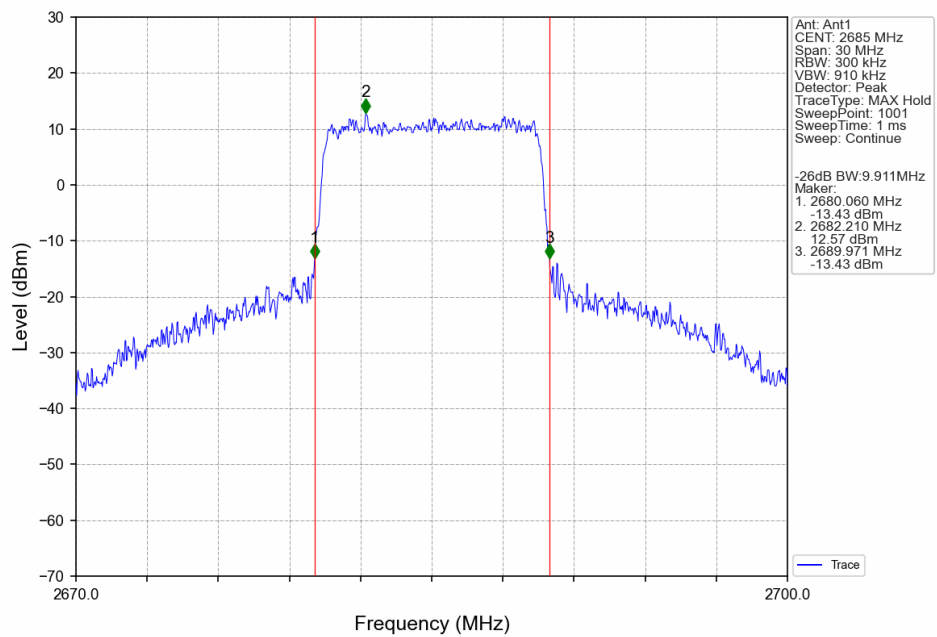
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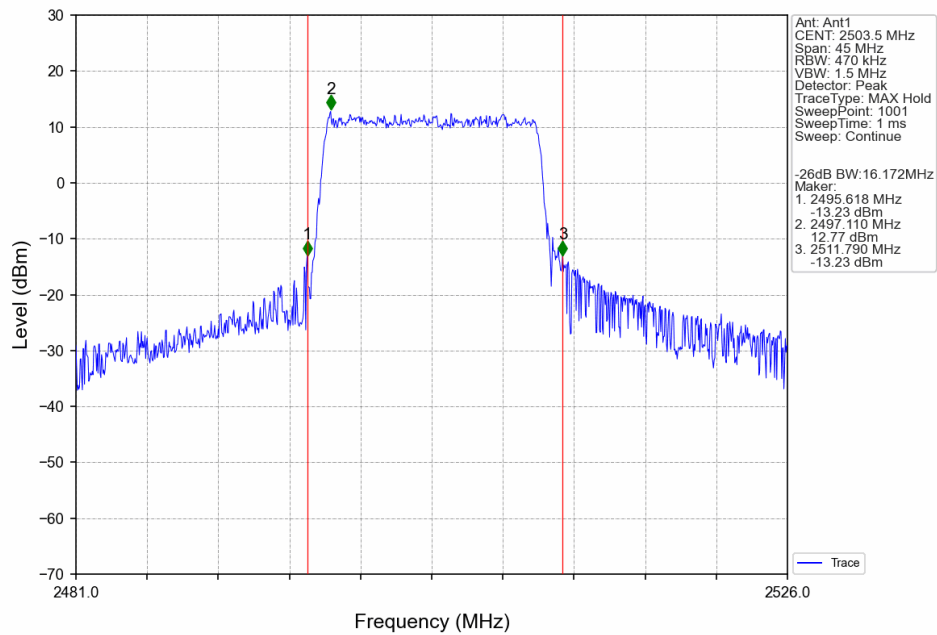
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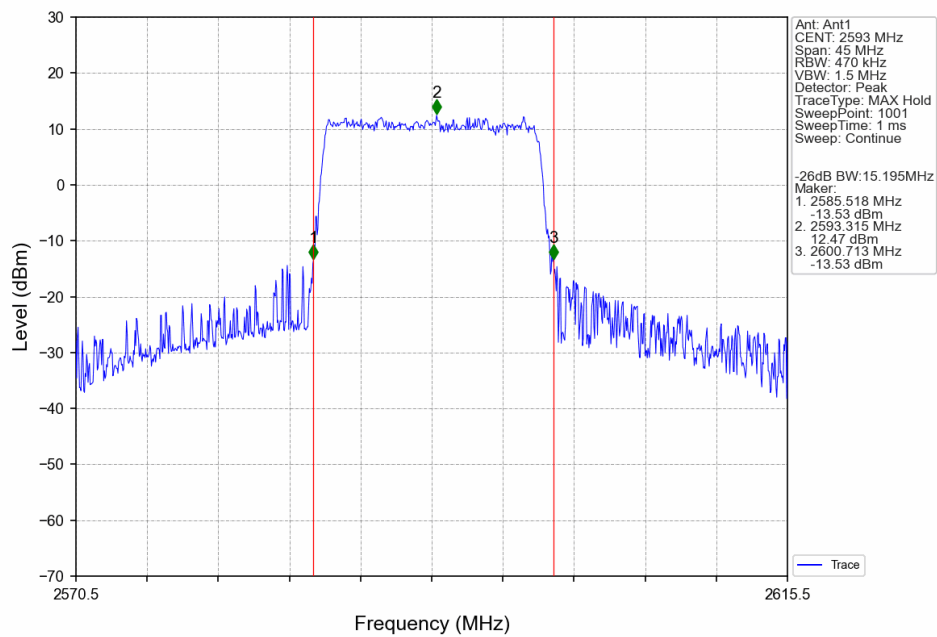
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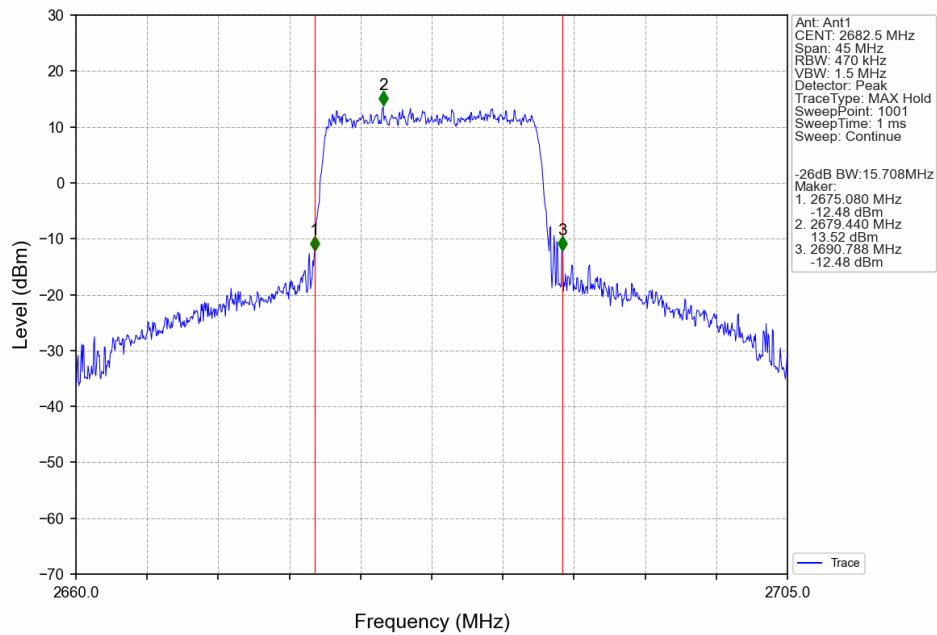
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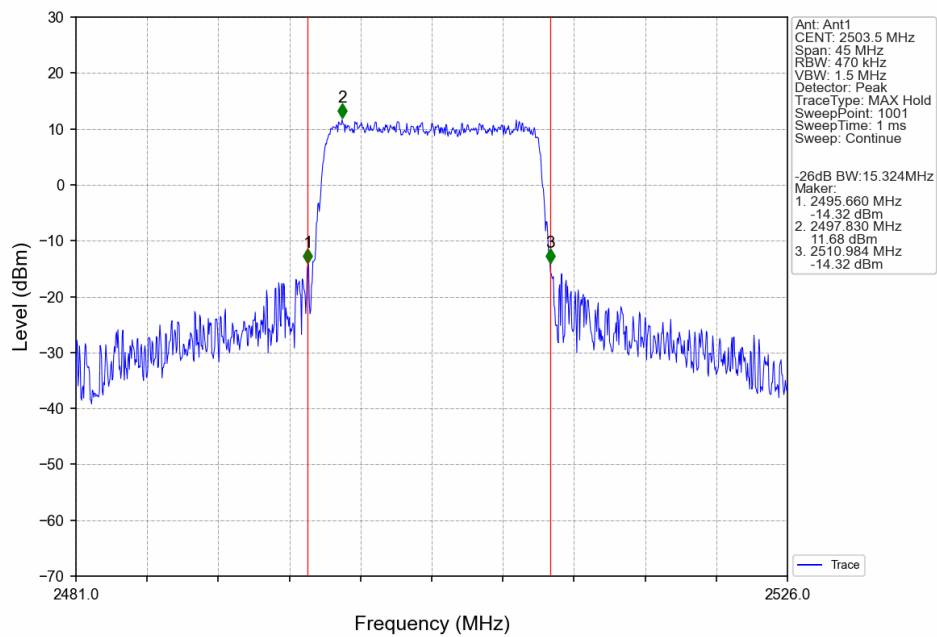
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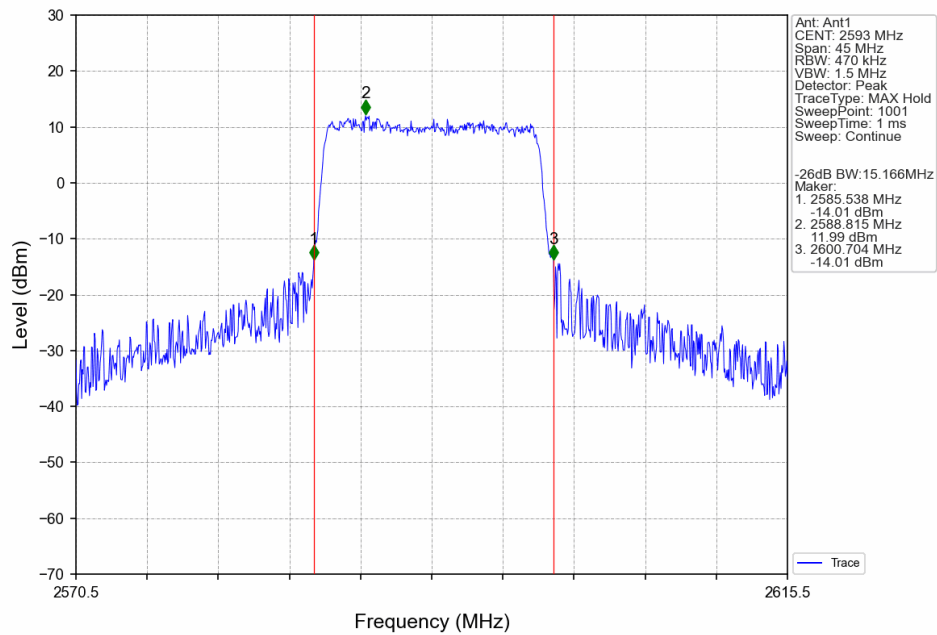
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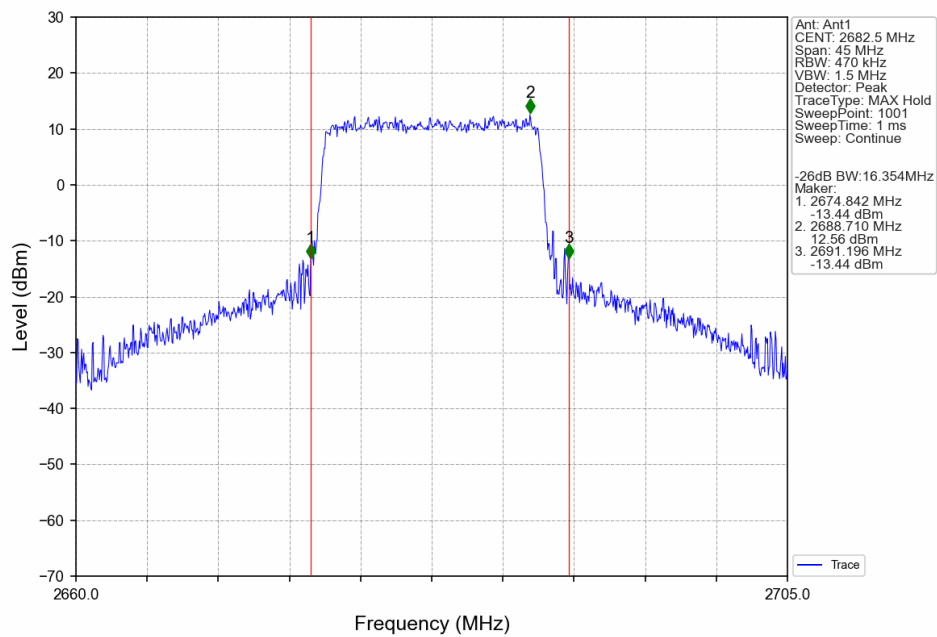
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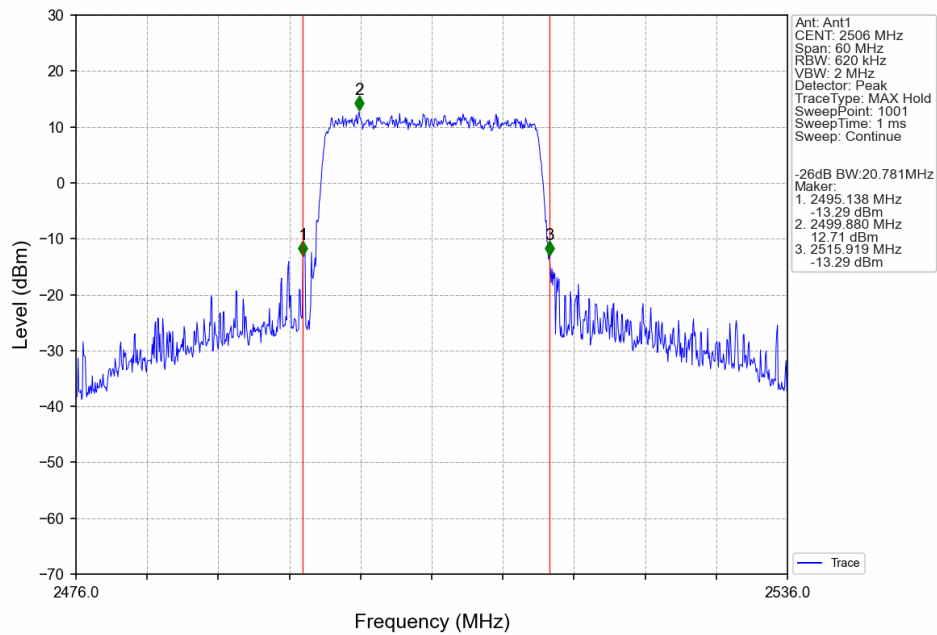
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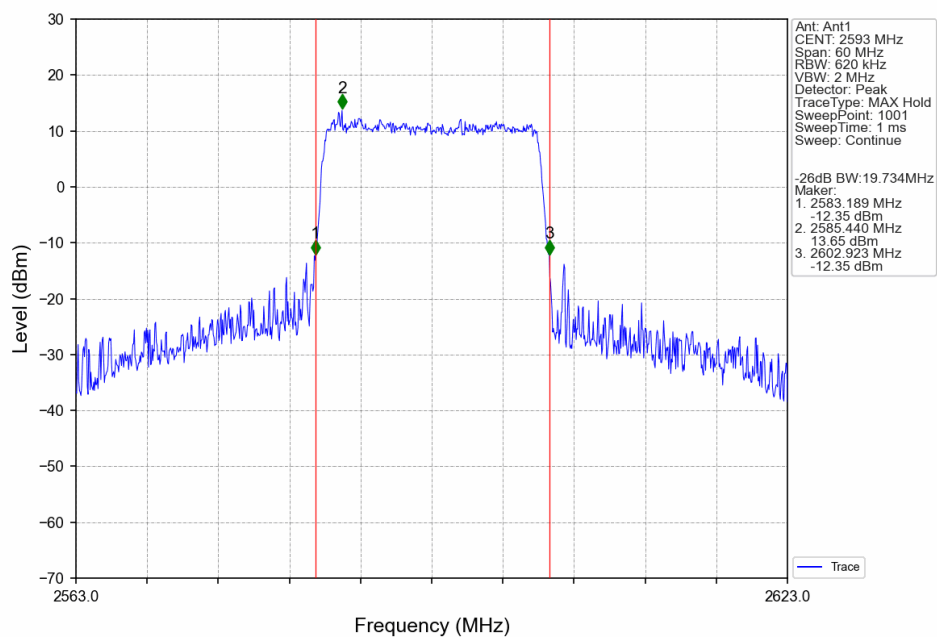
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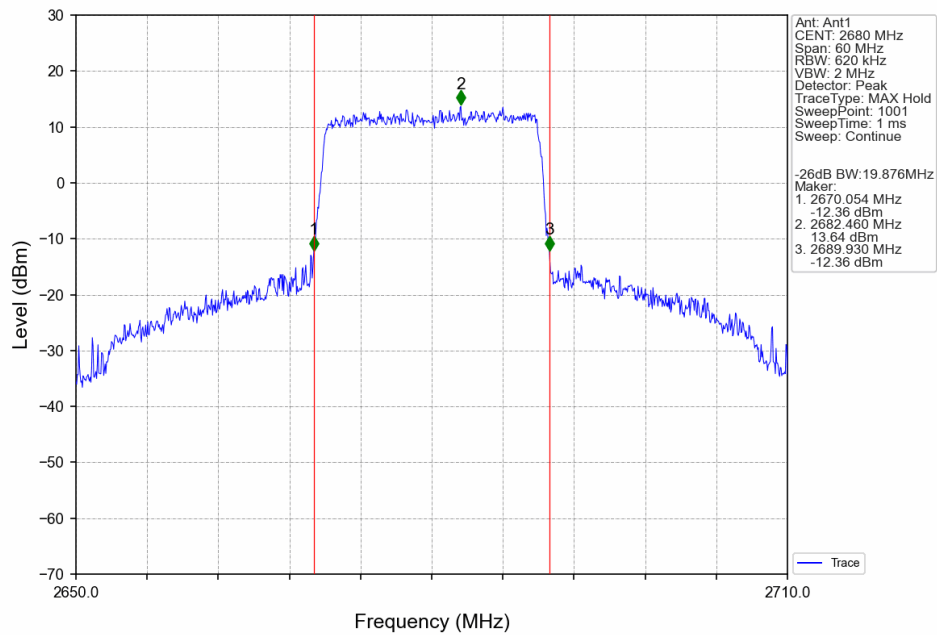
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



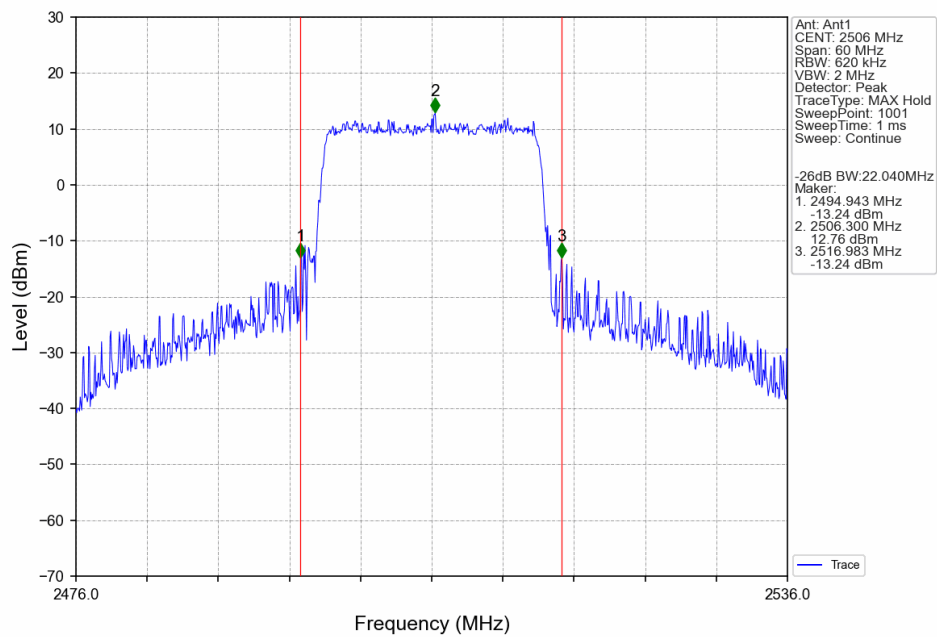
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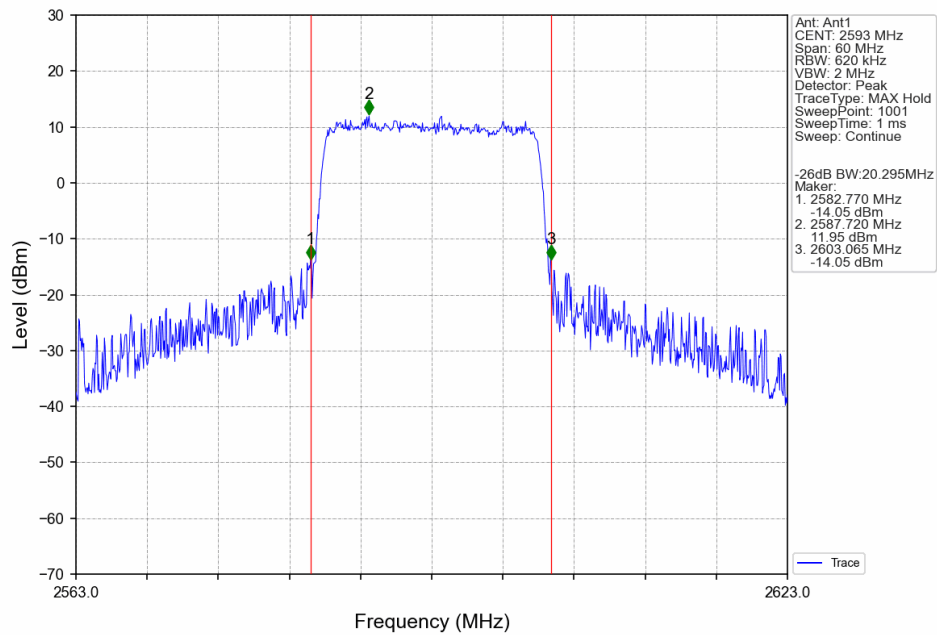
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



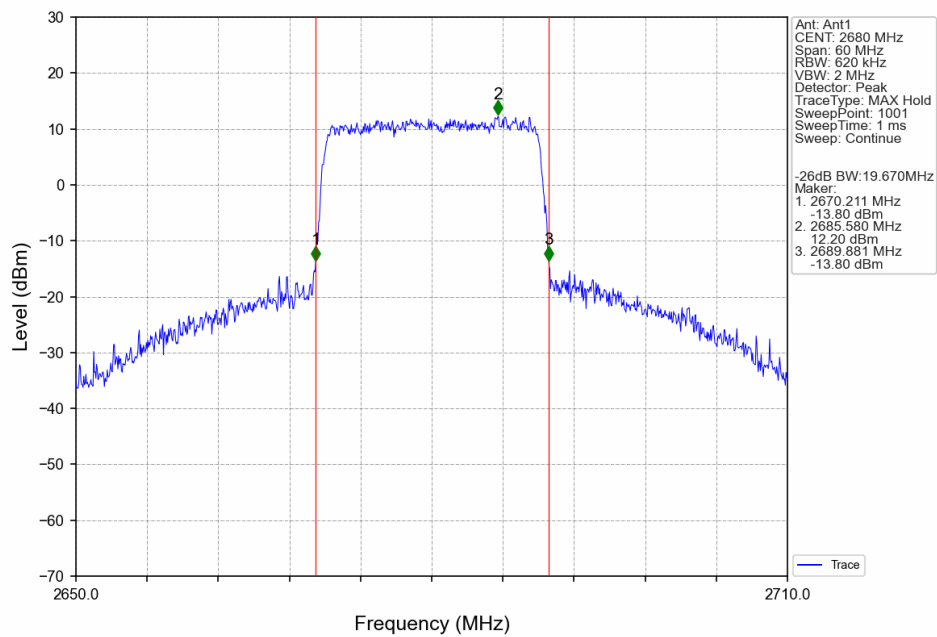
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.41	<=13	Pass
	2593	25	0	7.39	<=13	Pass
	2687.5	25	0	6.80	<=13	Pass
16QAM	2498.5	25	0	8.12	<=13	Pass
	2593	25	0	8.12	<=13	Pass
	2687.5	25	0	7.59	<=13	Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.44	<=13	Pass
	2593	50	0	7.35	<=13	Pass
	2685	50	0	6.89	<=13	Pass
16QAM	2501	50	0	8.09	<=13	Pass
	2593	50	0	8.02	<=13	Pass
	2685	50	0	7.63	<=13	Pass

5.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.28	<=13	Pass
	2593	75	0	7.53	<=13	Pass
	2682.5	75	0	6.90	<=13	Pass
16QAM	2503.5	75	0	8.54	<=13	Pass
	2593	75	0	7.97	<=13	Pass
	2682.5	75	0	7.62	<=13	Pass

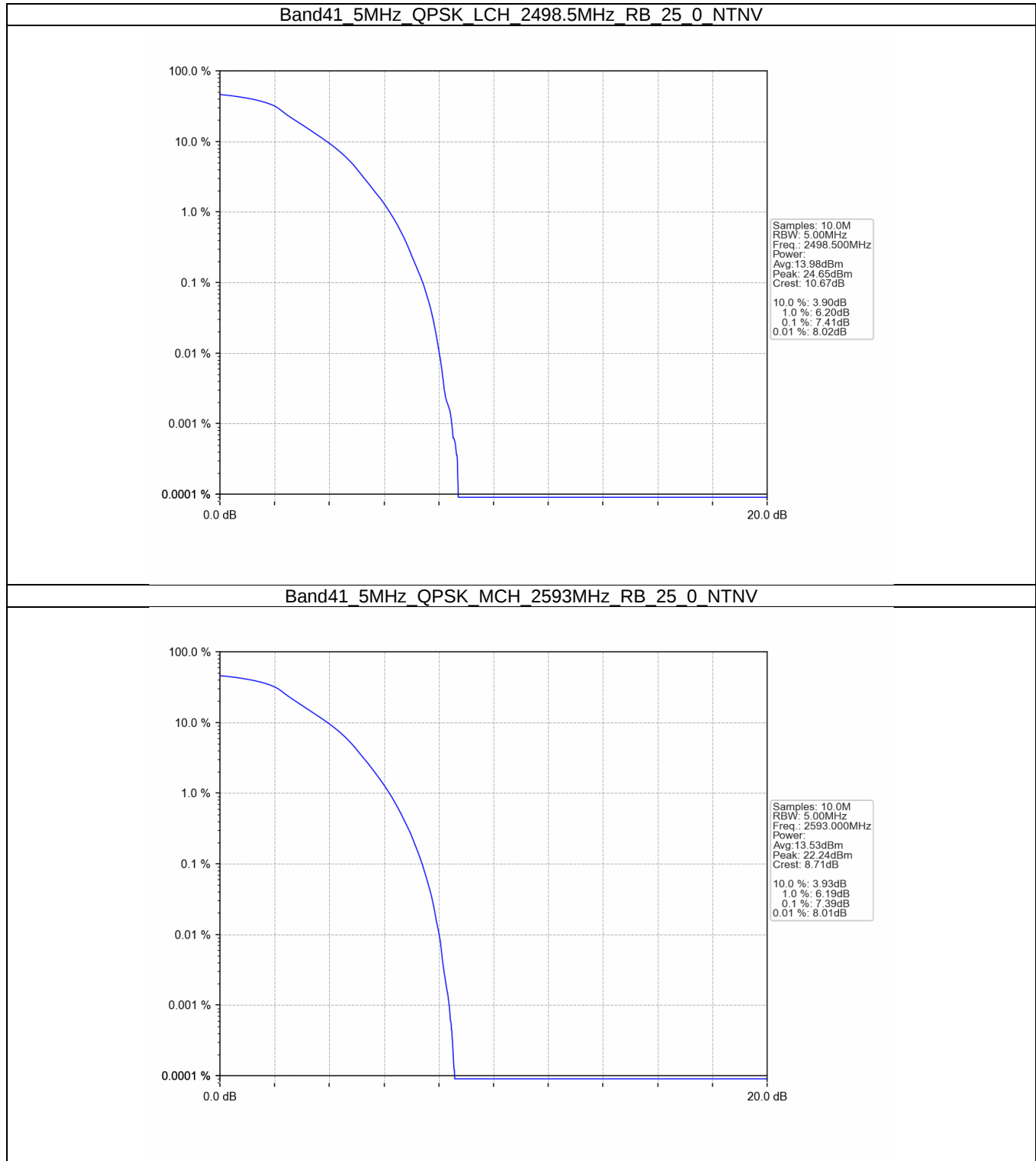
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.51	<=13	Pass
	2593	100	0	7.60	<=13	Pass
	2680	100	0	6.49	<=13	Pass
16QAM	2506	100	0	8.02	<=13	Pass
	2593	100	0	7.87	<=13	Pass
	2680	100	0	7.48	<=13	Pass

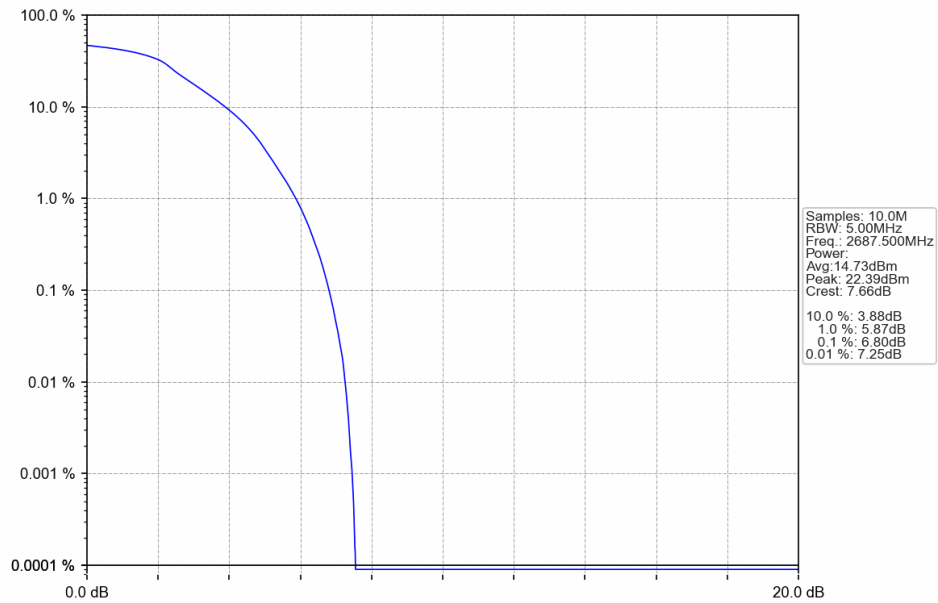


5.2 Test Graph

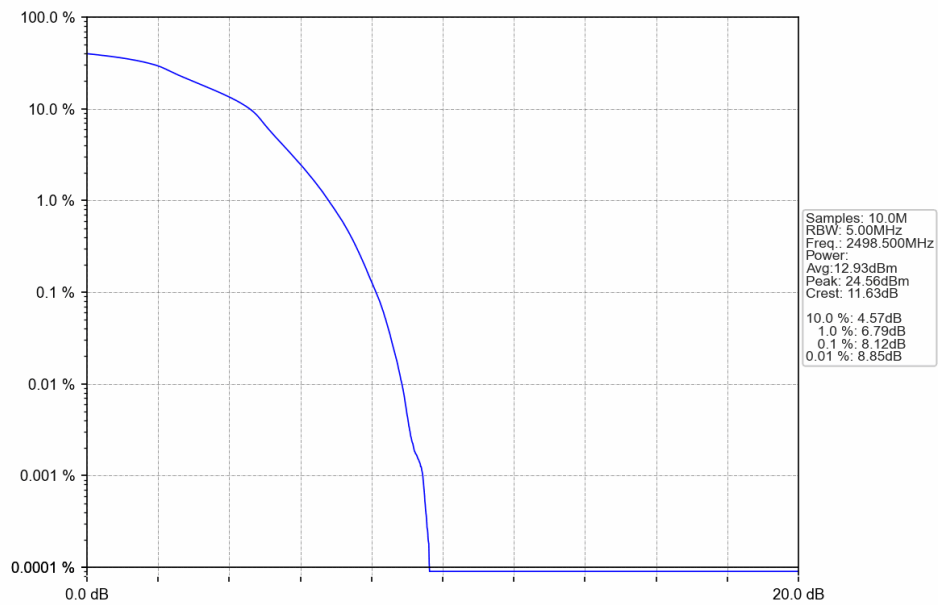
5.2.1 B41_5MHz



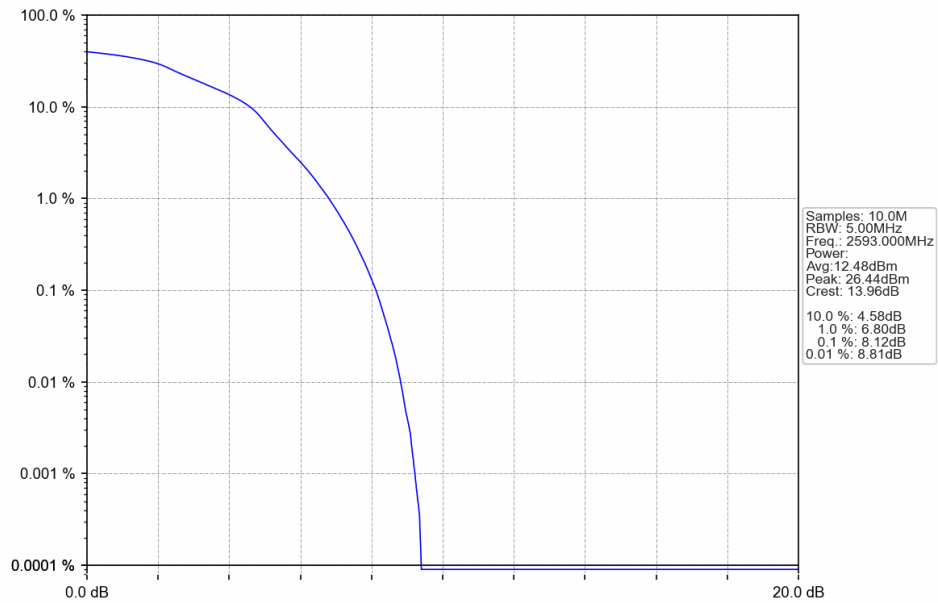
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



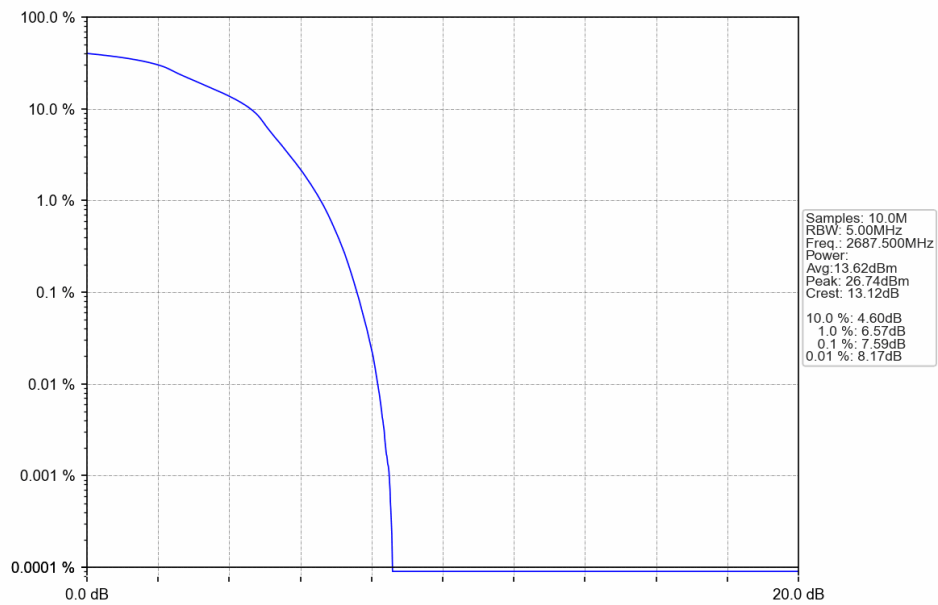
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

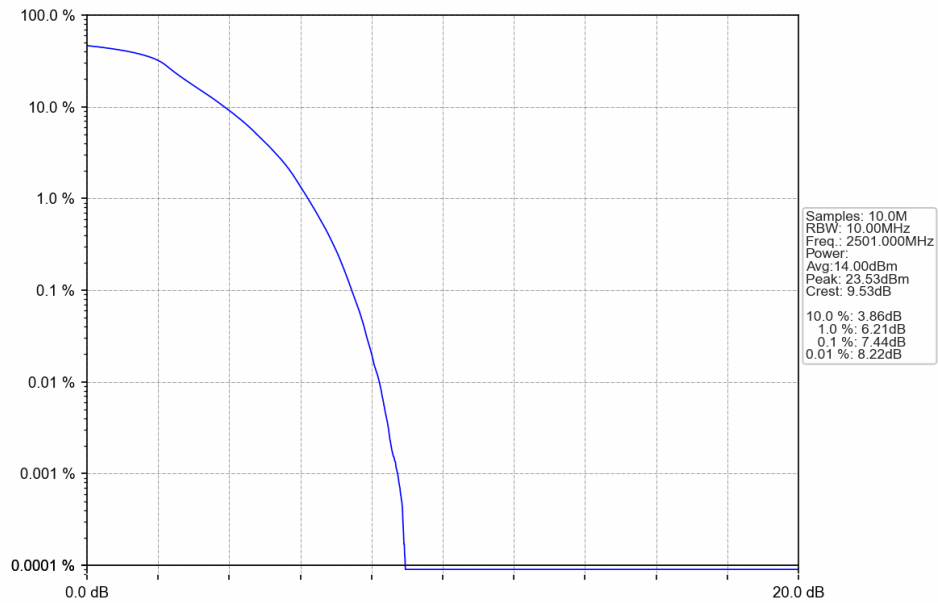


Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

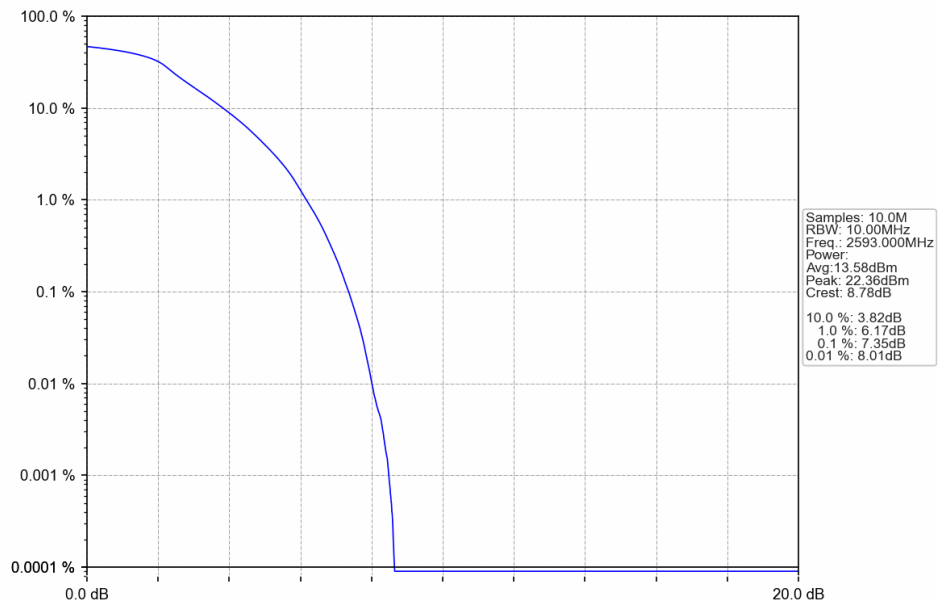


5.2.2 B41_10MHz

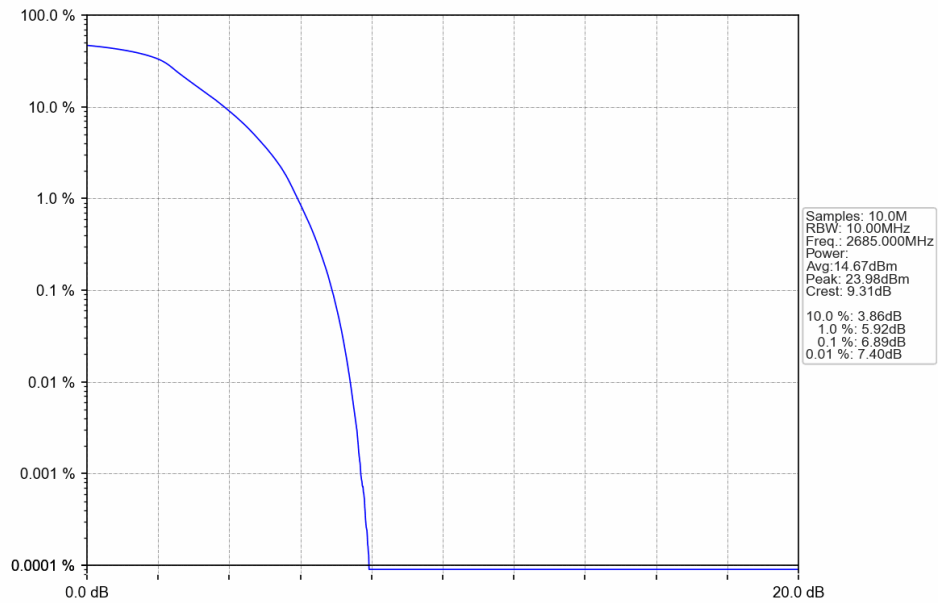
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



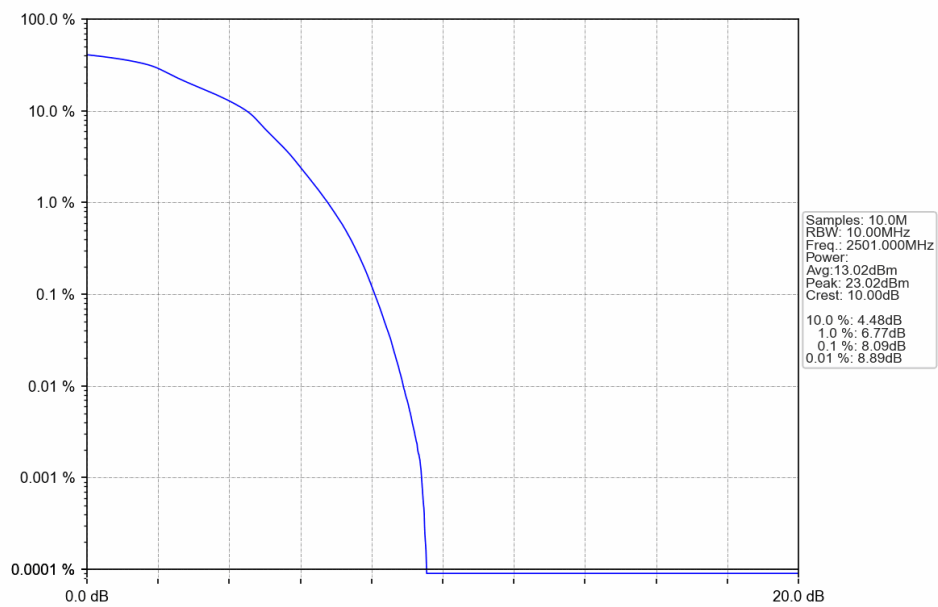
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



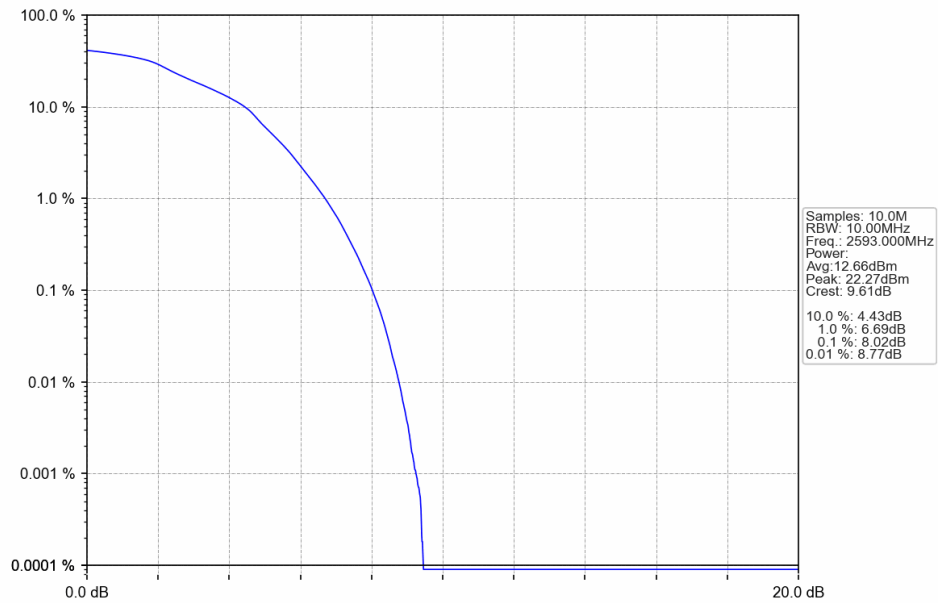
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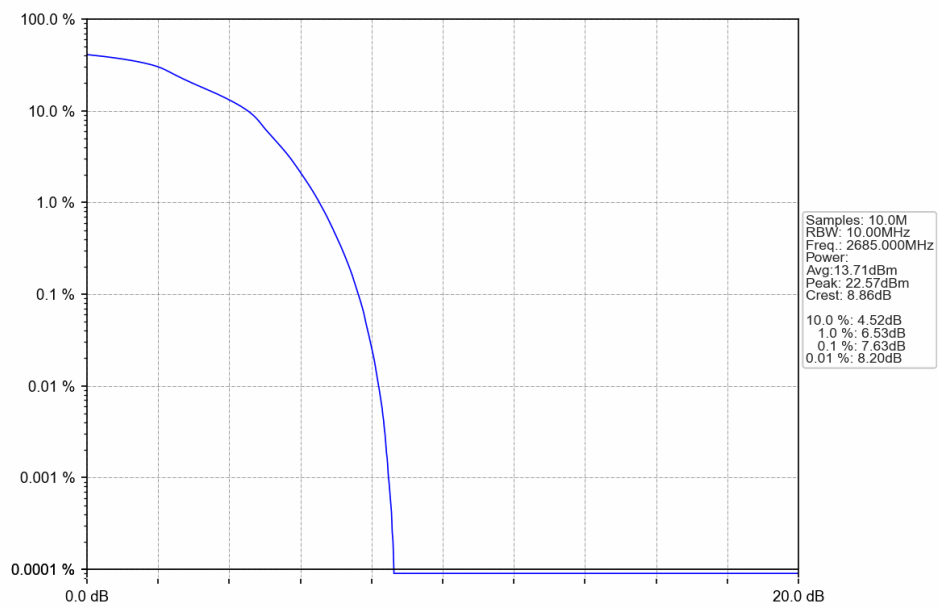
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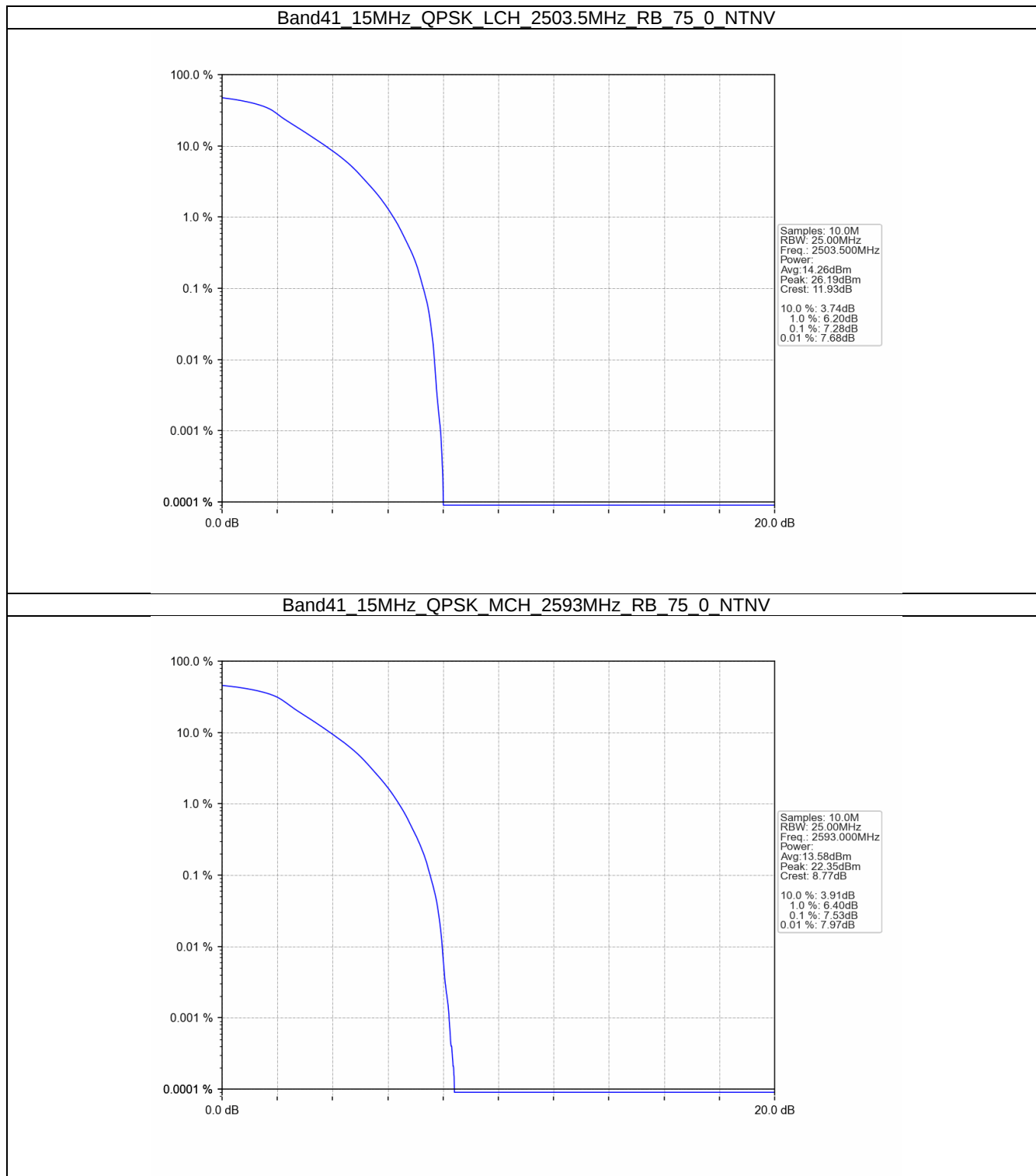
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



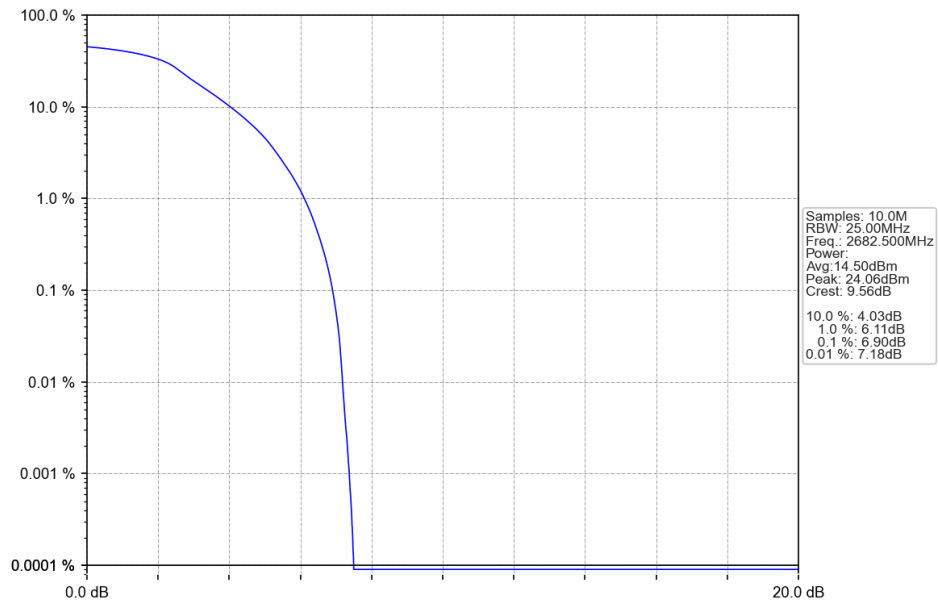
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



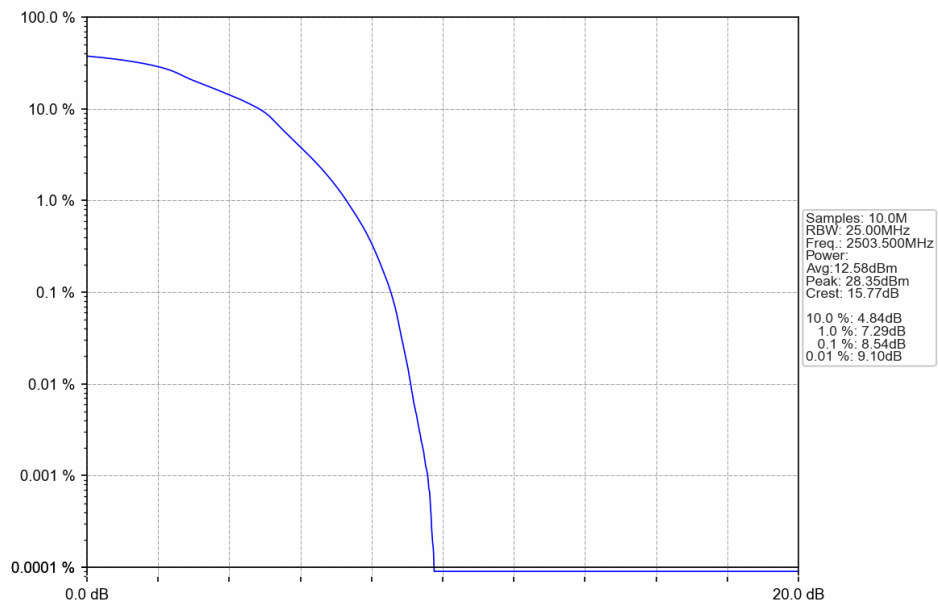
5.2.3 B41_15MHz



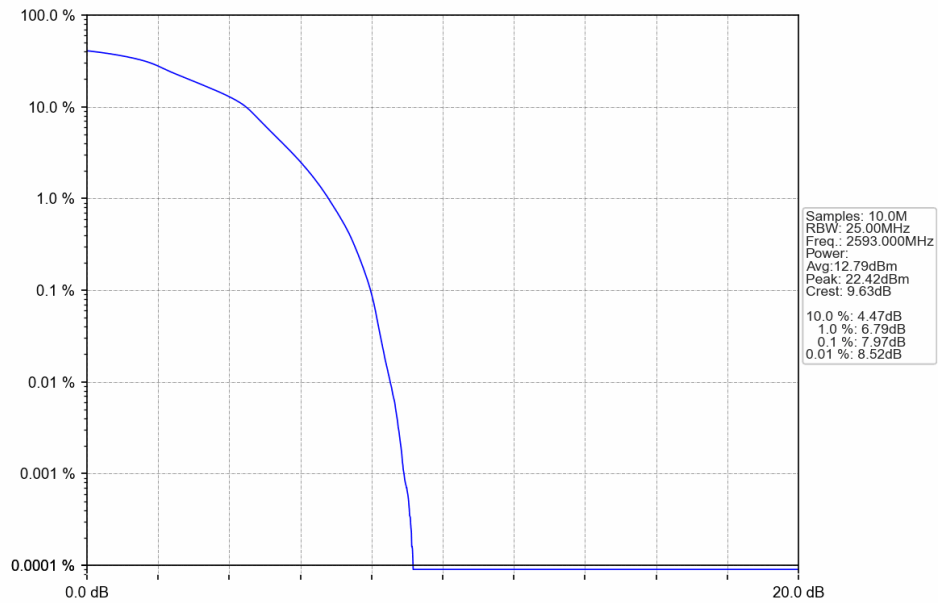
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV

