

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	22.05	1.29	23.34	<=33.01	Pass
			25	22.12	1.29	23.41	<=33.01	Pass
			49	22.25	1.29	23.54	<=33.01	Pass
		25	0	21.16	1.29	22.45	<=33.01	Pass
			13	21.20	1.29	22.49	<=33.01	Pass
			25	21.26	1.29	22.55	<=33.01	Pass
		50	0	21.24	1.29	22.53	<=33.01	Pass
	2593	1	0	22.59	1.29	23.88	<=33.01	Pass
			25	22.61	1.29	23.90	<=33.01	Pass
			49	22.73	1.29	24.02	<=33.01	Pass
		25	0	21.62	1.29	22.91	<=33.01	Pass
			13	21.61	1.29	22.90	<=33.01	Pass
			25	21.63	1.29	22.92	<=33.01	Pass
		50	0	21.68	1.29	22.97	<=33.01	Pass
	2685	1	0	23.77	1.29	25.06	<=33.01	Pass
			25	23.85	1.29	25.14	<=33.01	Pass
			49	23.81	1.29	25.10	<=33.01	Pass
		25	0	22.71	1.29	24.00	<=33.01	Pass
			13	22.76	1.29	24.05	<=33.01	Pass
			25	22.71	1.29	24.00	<=33.01	Pass
		50	0	22.74	1.29	24.03	<=33.01	Pass
16QAM	2501	1	0	21.10	1.29	22.39	<=33.01	Pass
			25	20.95	1.29	22.24	<=33.01	Pass
			49	21.53	1.29	22.82	<=33.01	Pass
		25	0	20.17	1.29	21.46	<=33.01	Pass
			13	20.23	1.29	21.52	<=33.01	Pass
			25	20.24	1.29	21.53	<=33.01	Pass
		50	0	20.19	1.29	21.48	<=33.01	Pass
	2593	1	0	21.46	1.29	22.75	<=33.01	Pass
			25	21.50	1.29	22.79	<=33.01	Pass
			49	21.53	1.29	22.82	<=33.01	Pass
		25	0	20.65	1.29	21.94	<=33.01	Pass
			13	20.62	1.29	21.91	<=33.01	Pass
			25	20.68	1.29	21.97	<=33.01	Pass
		50	0	20.63	1.29	21.92	<=33.01	Pass
	2685	1	0	22.81	1.29	24.10	<=33.01	Pass
			25	22.79	1.29	24.08	<=33.01	Pass
			49	22.82	1.29	24.11	<=33.01	Pass
		25	0	21.73	1.29	23.02	<=33.01	Pass
			13	21.79	1.29	23.08	<=33.01	Pass
			25	21.75	1.29	23.04	<=33.01	Pass
		50	0	21.71	1.29	23.00	<=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	22.12	1.29	23.41	<=33.01	Pass
			38	22.13	1.29	23.42	<=33.01	Pass
			74	22.22	1.29	23.51	<=33.01	Pass
		36	0	21.09	1.29	22.38	<=33.01	Pass
			18	21.13	1.29	22.42	<=33.01	Pass
			39	21.20	1.29	22.49	<=33.01	Pass
		75	0	21.18	1.29	22.47	<=33.01	Pass

16QAM	2593	1	0	22.52	1.29	23.81	<=33.01	Pass
			38	22.58	1.29	23.87	<=33.01	Pass
			74	22.54	1.29	23.83	<=33.01	Pass
		36	0	21.58	1.29	22.87	<=33.01	Pass
			18	21.59	1.29	22.88	<=33.01	Pass
			39	21.60	1.29	22.89	<=33.01	Pass
		75	0	21.62	1.29	22.91	<=33.01	Pass
	2682.5	1	0	23.68	1.29	24.97	<=33.01	Pass
			38	23.81	1.29	25.10	<=33.01	Pass
			74	23.80	1.29	25.09	<=33.01	Pass
		36	0	22.67	1.29	23.96	<=33.01	Pass
			18	22.68	1.29	23.97	<=33.01	Pass
			39	22.71	1.29	24.00	<=33.01	Pass
		75	0	22.72	1.29	24.01	<=33.01	Pass
	2503.5	1	0	21.09	1.29	22.38	<=33.01	Pass
			38	21.53	1.29	22.82	<=33.01	Pass
			74	21.22	1.29	22.51	<=33.01	Pass
		36	0	20.11	1.29	21.40	<=33.01	Pass
			18	20.16	1.29	21.45	<=33.01	Pass
			39	20.27	1.29	21.56	<=33.01	Pass
		75	0	20.14	1.29	21.43	<=33.01	Pass
	2593	1	0	21.41	1.29	22.70	<=33.01	Pass
			38	21.54	1.29	22.83	<=33.01	Pass
			74	21.35	1.29	22.64	<=33.01	Pass
		36	0	20.59	1.29	21.88	<=33.01	Pass
			18	20.58	1.29	21.87	<=33.01	Pass
			39	20.62	1.29	21.91	<=33.01	Pass
		75	0	20.58	1.29	21.87	<=33.01	Pass
	2682.5	1	0	22.74	1.29	24.03	<=33.01	Pass
			38	22.86	1.29	24.15	<=33.01	Pass
			74	22.83	1.29	24.12	<=33.01	Pass
		36	0	21.63	1.29	22.92	<=33.01	Pass
			18	21.68	1.29	22.97	<=33.01	Pass
			39	21.70	1.29	22.99	<=33.01	Pass
		75	0	21.72	1.29	23.01	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	21.99	1.29	23.28	<=33.01	Pass
			50	22.28	1.29	23.57	<=33.01	Pass
			99	22.21	1.29	23.50	<=33.01	Pass
		50	0	21.13	1.29	22.42	<=33.01	Pass
			25	21.25	1.29	22.54	<=33.01	Pass
			50	21.37	1.29	22.66	<=33.01	Pass
		100	0	21.25	1.29	22.54	<=33.01	Pass
	2593	1	0	22.49	1.29	23.78	<=33.01	Pass
			50	22.55	1.29	23.84	<=33.01	Pass
			99	22.50	1.29	23.79	<=33.01	Pass
		50	0	21.62	1.29	22.91	<=33.01	Pass
			25	21.68	1.29	22.97	<=33.01	Pass
			50	21.66	1.29	22.95	<=33.01	Pass
		100	0	21.61	1.29	22.90	<=33.01	Pass
	2680	1	0	23.52	1.29	24.81	<=33.01	Pass
			50	23.72	1.29	25.01	<=33.01	Pass

16QAM		50	99	23.69	1.29	24.98	<=33.01	Pass
			0	22.70	1.29	23.99	<=33.01	Pass
			25	22.73	1.29	24.02	<=33.01	Pass
			50	22.65	1.29	23.94	<=33.01	Pass
		100	0	22.64	1.29	23.93	<=33.01	Pass
	2506	1	0	21.17	1.29	22.46	<=33.01	Pass
			50	21.41	1.29	22.70	<=33.01	Pass
			99	21.36	1.29	22.65	<=33.01	Pass
			0	20.14	1.29	21.43	<=33.01	Pass
		50	25	20.22	1.29	21.51	<=33.01	Pass
			50	20.31	1.29	21.60	<=33.01	Pass
			0	20.20	1.29	21.49	<=33.01	Pass
		100	0	20.20	1.29	21.49	<=33.01	Pass
	2593	1	0	21.36	1.29	22.65	<=33.01	Pass
			50	21.74	1.29	23.03	<=33.01	Pass
			99	21.32	1.29	22.61	<=33.01	Pass
			0	20.65	1.29	21.94	<=33.01	Pass
		50	25	20.65	1.29	21.94	<=33.01	Pass
			50	20.63	1.29	21.92	<=33.01	Pass
			0	20.61	1.29	21.90	<=33.01	Pass
		100	0	20.61	1.29	21.90	<=33.01	Pass
	2680	1	0	22.52	1.29	23.81	<=33.01	Pass
			50	22.73	1.29	24.02	<=33.01	Pass
			99	22.64	1.29	23.93	<=33.01	Pass
			0	21.66	1.29	22.95	<=33.01	Pass
		50	25	21.67	1.29	22.96	<=33.01	Pass
			50	21.66	1.29	22.95	<=33.01	Pass
			0	21.67	1.29	22.96	<=33.01	Pass
		100	0	21.67	1.29	22.96	<=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	3.15	15.035	0.0060	-2.5 to 2.5	Pass
					3.70	-2.975	-0.0012	-2.5 to 2.5	Pass
					4.30	-2.317	-0.0009	-2.5 to 2.5	Pass
				-30	3.70	-4.992	-0.0020	-2.5 to 2.5	Pass
				-20	3.70	11.301	0.0045	-2.5 to 2.5	Pass
				-10	3.70	1.359	0.0005	-2.5 to 2.5	Pass
				0	3.70	9.370	0.0038	-2.5 to 2.5	Pass
				10	3.70	-6.781	-0.0027	-2.5 to 2.5	Pass
				30	3.70	2.460	0.0010	-2.5 to 2.5	Pass
				40	3.70	0.415	0.0002	-2.5 to 2.5	Pass
				50	3.70	-9.398	-0.0038	-2.5 to 2.5	Pass
	2593	25	0	20	3.15	2.089	0.0008	-2.5 to 2.5	Pass
					3.70	8.984	0.0035	-2.5 to 2.5	Pass
					4.30	-0.944	-0.0004	-2.5 to 2.5	Pass
				-30	3.70	-6.466	-0.0025	-2.5 to 2.5	Pass
				-20	3.70	-8.612	-0.0033	-2.5 to 2.5	Pass
				-10	3.70	-3.977	-0.0015	-2.5 to 2.5	Pass
				0	3.70	-2.046	-0.0008	-2.5 to 2.5	Pass
				10	3.70	-2.518	-0.0010	-2.5 to 2.5	Pass
				30	3.70	-4.492	-0.0017	-2.5 to 2.5	Pass
				40	3.70	13.604	0.0052	-2.5 to 2.5	Pass
				50	3.70	-3.519	-0.0014	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.15	-7.110	-0.0026	-2.5 to 2.5	Pass
					3.70	4.034	0.0015	-2.5 to 2.5	Pass
					4.30	-8.283	-0.0031	-2.5 to 2.5	Pass
				-30	3.70	-5.264	-0.0020	-2.5 to 2.5	Pass
				-20	3.70	2.232	0.0008	-2.5 to 2.5	Pass
				-10	3.70	1.259	0.0005	-2.5 to 2.5	Pass
				0	3.70	-6.437	-0.0024	-2.5 to 2.5	Pass
				10	3.70	-3.505	-0.0013	-2.5 to 2.5	Pass
				30	3.70	-8.883	-0.0033	-2.5 to 2.5	Pass
				40	3.70	-1.016	-0.0004	-2.5 to 2.5	Pass
				50	3.70	-9.227	-0.0034	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.15	1.945	0.0008	-2.5 to 2.5	Pass
					3.70	6.208	0.0025	-2.5 to 2.5	Pass
					4.30	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.70	8.297	0.0033	-2.5 to 2.5	Pass
				-20	3.70	0.501	0.0002	-2.5 to 2.5	Pass
				-10	3.70	2.232	0.0009	-2.5 to 2.5	Pass
				0	3.70	1.259	0.0005	-2.5 to 2.5	Pass
				10	3.70	8.869	0.0035	-2.5 to 2.5	Pass
				30	3.70	0.701	0.0003	-2.5 to 2.5	Pass
				40	3.70	7.954	0.0032	-2.5 to 2.5	Pass
				50	3.70	11.201	0.0045	-2.5 to 2.5	Pass
	2593	25	0	20	3.15	0.029	0.0000	-2.5 to 2.5	Pass
					3.70	-4.506	-0.0017	-2.5 to 2.5	Pass
					4.30	1.559	0.0006	-2.5 to 2.5	Pass
				-30	3.70	-0.486	-0.0002	-2.5 to 2.5	Pass
				-20	3.70	1.731	0.0007	-2.5 to 2.5	Pass
				-10	3.70	-3.719	-0.0014	-2.5 to 2.5	Pass

				0	3.70	-8.268	-0.0032	-2.5 to 2.5	Pass
				10	3.70	-6.065	-0.0023	-2.5 to 2.5	Pass
				30	3.70	-3.691	-0.0014	-2.5 to 2.5	Pass
				40	3.70	9.727	0.0038	-2.5 to 2.5	Pass
				50	3.70	-1.101	-0.0004	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.15	8.311	0.0031	-2.5 to 2.5	Pass
					3.70	-8.268	-0.0031	-2.5 to 2.5	Pass
					4.30	4.835	0.0018	-2.5 to 2.5	Pass
				-30	3.70	5.393	0.0020	-2.5 to 2.5	Pass
				-20	3.70	2.360	0.0009	-2.5 to 2.5	Pass
				-10	3.70	0.486	0.0002	-2.5 to 2.5	Pass
				0	3.70	-3.419	-0.0013	-2.5 to 2.5	Pass
				10	3.70	7.296	0.0027	-2.5 to 2.5	Pass
				30	3.70	-5.035	-0.0019	-2.5 to 2.5	Pass
				40	3.70	1.273	0.0005	-2.5 to 2.5	Pass
				50	3.70	2.031	0.0008	-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	3.15	-3.734	-0.0015	-2.5 to 2.5	Pass
					3.70	5.736	0.0023	-2.5 to 2.5	Pass
					4.30	2.317	0.0009	-2.5 to 2.5	Pass
				-30	3.70	1.459	0.0006	-2.5 to 2.5	Pass
				-20	3.70	-0.801	-0.0003	-2.5 to 2.5	Pass
				-10	3.70	5.965	0.0024	-2.5 to 2.5	Pass
				0	3.70	-2.518	-0.0010	-2.5 to 2.5	Pass
				10	3.70	-1.202	-0.0005	-2.5 to 2.5	Pass
				30	3.70	-0.858	-0.0003	-2.5 to 2.5	Pass
				40	3.70	1.574	0.0006	-2.5 to 2.5	Pass
				50	3.70	0.157	0.0001	-2.5 to 2.5	Pass
	2593	50	0	20	3.15	-3.819	-0.0015	-2.5 to 2.5	Pass
					3.70	4.034	0.0016	-2.5 to 2.5	Pass
					4.30	5.679	0.0022	-2.5 to 2.5	Pass
				-30	3.70	3.576	0.0014	-2.5 to 2.5	Pass
				-20	3.70	3.562	0.0014	-2.5 to 2.5	Pass
				-10	3.70	3.719	0.0014	-2.5 to 2.5	Pass
				0	3.70	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.70	3.591	0.0014	-2.5 to 2.5	Pass
				30	3.70	-3.061	-0.0012	-2.5 to 2.5	Pass
				40	3.70	-4.048	-0.0016	-2.5 to 2.5	Pass
				50	3.70	3.920	0.0015	-2.5 to 2.5	Pass
	2685	50	0	20	3.15	9.770	0.0036	-2.5 to 2.5	Pass
					3.70	1.960	0.0007	-2.5 to 2.5	Pass
					4.30	7.982	0.0030	-2.5 to 2.5	Pass
				-30	3.70	-1.945	-0.0007	-2.5 to 2.5	Pass
				-20	3.70	-0.587	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	0.787	0.0003	-2.5 to 2.5	Pass
				0	3.70	-2.131	-0.0008	-2.5 to 2.5	Pass
				10	3.70	1.516	0.0006	-2.5 to 2.5	Pass
				30	3.70	0.100	0.0000	-2.5 to 2.5	Pass
				40	3.70	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.70	-3.662	-0.0014	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.15	-1.974	-0.0008	-2.5 to 2.5	Pass
					3.70	9.470	0.0038	-2.5 to 2.5	Pass
					4.30	5.765	0.0023	-2.5 to 2.5	Pass

				-30	3.70	2.861	0.0011	-2.5 to 2.5	Pass
				-20	3.70	11.387	0.0046	-2.5 to 2.5	Pass
				-10	3.70	1.674	0.0007	-2.5 to 2.5	Pass
				0	3.70	1.531	0.0006	-2.5 to 2.5	Pass
				10	3.70	-2.332	-0.0009	-2.5 to 2.5	Pass
				30	3.70	6.609	0.0026	-2.5 to 2.5	Pass
				40	3.70	0.458	0.0002	-2.5 to 2.5	Pass
				50	3.70	0.329	0.0001	-2.5 to 2.5	Pass
	2593	50	0	20	3.15	8.125	0.0031	-2.5 to 2.5	Pass
					3.70	4.463	0.0017	-2.5 to 2.5	Pass
					4.30	0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.70	-2.017	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	2.074	0.0008	-2.5 to 2.5	Pass
				-10	3.70	1.159	0.0004	-2.5 to 2.5	Pass
				0	3.70	1.030	0.0004	-2.5 to 2.5	Pass
				10	3.70	1.087	0.0004	-2.5 to 2.5	Pass
				30	3.70	3.748	0.0014	-2.5 to 2.5	Pass
				40	3.70	0.944	0.0004	-2.5 to 2.5	Pass
				50	3.70	0.715	0.0003	-2.5 to 2.5	Pass
	2685	50	0	20	3.15	2.489	0.0009	-2.5 to 2.5	Pass
					3.70	0.644	0.0002	-2.5 to 2.5	Pass
					4.30	-1.831	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	3.133	0.0012	-2.5 to 2.5	Pass
				-20	3.70	-2.675	-0.0010	-2.5 to 2.5	Pass
				-10	3.70	1.245	0.0005	-2.5 to 2.5	Pass
				0	3.70	1.273	0.0005	-2.5 to 2.5	Pass
				10	3.70	6.309	0.0023	-2.5 to 2.5	Pass
				30	3.70	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	3.70	7.982	0.0030	-2.5 to 2.5	Pass
				50	3.70	-1.101	-0.0004	-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	3.15	2.747	0.0011	-2.5 to 2.5	Pass
					3.70	-1.559	-0.0006	-2.5 to 2.5	Pass
					4.30	-3.319	-0.0013	-2.5 to 2.5	Pass
				-30	3.70	0.715	0.0003	-2.5 to 2.5	Pass
				-20	3.70	1.988	0.0008	-2.5 to 2.5	Pass
				-10	3.70	2.217	0.0009	-2.5 to 2.5	Pass
				0	3.70	-1.531	-0.0006	-2.5 to 2.5	Pass
				10	3.70	-1.245	-0.0005	-2.5 to 2.5	Pass
				30	3.70	2.303	0.0009	-2.5 to 2.5	Pass
				40	3.70	-1.431	-0.0006	-2.5 to 2.5	Pass
				50	3.70	-0.787	-0.0003	-2.5 to 2.5	Pass
	2593	75	0	20	3.15	-4.449	-0.0017	-2.5 to 2.5	Pass
					3.70	-8.540	-0.0033	-2.5 to 2.5	Pass
					4.30	2.789	0.0011	-2.5 to 2.5	Pass
				-30	3.70	-1.473	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	2.975	0.0011	-2.5 to 2.5	Pass
				-10	3.70	0.701	0.0003	-2.5 to 2.5	Pass
				0	3.70	-0.744	-0.0003	-2.5 to 2.5	Pass
				10	3.70	1.245	0.0005	-2.5 to 2.5	Pass
				30	3.70	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.70	4.964	0.0019	-2.5 to 2.5	Pass
				50	3.70	0.830	0.0003	-2.5 to 2.5	Pass

	2682.5	75	0	20	3.15	-2.246	-0.0008	-2.5 to 2.5	Pass
					3.70	0.744	0.0003	-2.5 to 2.5	Pass
					4.30	-0.300	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	3.70	3.934	0.0015	-2.5 to 2.5	Pass
				-10	3.70	7.567	0.0028	-2.5 to 2.5	Pass
				0	3.70	6.895	0.0026	-2.5 to 2.5	Pass
				10	3.70	-3.920	-0.0015	-2.5 to 2.5	Pass
				30	3.70	0.844	0.0003	-2.5 to 2.5	Pass
				40	3.70	1.230	0.0005	-2.5 to 2.5	Pass
				50	3.70	-0.057	0.0000	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.15	5.951	0.0024	-2.5 to 2.5	Pass
					3.70	4.077	0.0016	-2.5 to 2.5	Pass
					4.30	3.333	0.0013	-2.5 to 2.5	Pass
				-30	3.70	-1.974	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	-2.747	-0.0011	-2.5 to 2.5	Pass
				-10	3.70	-0.315	-0.0001	-2.5 to 2.5	Pass
				0	3.70	4.807	0.0019	-2.5 to 2.5	Pass
				10	3.70	2.804	0.0011	-2.5 to 2.5	Pass
				30	3.70	6.595	0.0026	-2.5 to 2.5	Pass
				40	3.70	0.343	0.0001	-2.5 to 2.5	Pass
				50	3.70	1.917	0.0008	-2.5 to 2.5	Pass
	2593	75	0	20	3.15	-1.831	-0.0007	-2.5 to 2.5	Pass
					3.70	-1.817	-0.0007	-2.5 to 2.5	Pass
					4.30	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.70	-0.615	-0.0002	-2.5 to 2.5	Pass
				-20	3.70	1.101	0.0004	-2.5 to 2.5	Pass
				-10	3.70	-4.234	-0.0016	-2.5 to 2.5	Pass
				0	3.70	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.70	3.047	0.0012	-2.5 to 2.5	Pass
				30	3.70	6.752	0.0026	-2.5 to 2.5	Pass
				40	3.70	6.666	0.0026	-2.5 to 2.5	Pass
				50	3.70	0.014	0.0000	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.15	5.221	0.0019	-2.5 to 2.5	Pass
					3.70	5.293	0.0020	-2.5 to 2.5	Pass
					4.30	-0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.70	5.136	0.0019	-2.5 to 2.5	Pass
				-20	3.70	1.702	0.0006	-2.5 to 2.5	Pass
				-10	3.70	1.130	0.0004	-2.5 to 2.5	Pass
				0	3.70	4.978	0.0019	-2.5 to 2.5	Pass
				10	3.70	-0.472	-0.0002	-2.5 to 2.5	Pass
				30	3.70	2.503	0.0009	-2.5 to 2.5	Pass
				40	3.70	-0.429	-0.0002	-2.5 to 2.5	Pass
				50	3.70	-2.260	-0.0008	-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	3.15	1.144	0.0005	-2.5 to 2.5	Pass
					3.70	-0.043	0.0000	-2.5 to 2.5	Pass
					4.30	-4.206	-0.0017	-2.5 to 2.5	Pass
				-30	3.70	1.960	0.0008	-2.5 to 2.5	Pass
				-20	3.70	5.636	0.0022	-2.5 to 2.5	Pass
				-10	3.70	3.891	0.0016	-2.5 to 2.5	Pass
				0	3.70	-0.901	-0.0004	-2.5 to 2.5	Pass
				10	3.70	4.721	0.0019	-2.5 to 2.5	Pass

				30	3.70	5.264	0.0021	-2.5 to 2.5	Pass
				40	3.70	-1.259	-0.0005	-2.5 to 2.5	Pass
				50	3.70	6.580	0.0026	-2.5 to 2.5	Pass
	2593	100	0	20	3.15	-1.330	-0.0005	-2.5 to 2.5	Pass
					3.70	-2.260	-0.0009	-2.5 to 2.5	Pass
					4.30	3.748	0.0014	-2.5 to 2.5	Pass
				-30	3.70	-5.221	-0.0020	-2.5 to 2.5	Pass
				-20	3.70	-0.300	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	3.748	0.0014	-2.5 to 2.5	Pass
				0	3.70	-1.874	-0.0007	-2.5 to 2.5	Pass
				10	3.70	-2.747	-0.0011	-2.5 to 2.5	Pass
				30	3.70	0.100	0.0000	-2.5 to 2.5	Pass
				40	3.70	-1.016	-0.0004	-2.5 to 2.5	Pass
				50	3.70	5.622	0.0022	-2.5 to 2.5	Pass
	2680	100	0	20	3.15	1.459	0.0005	-2.5 to 2.5	Pass
					3.70	-3.548	-0.0013	-2.5 to 2.5	Pass
					4.30	-3.991	-0.0015	-2.5 to 2.5	Pass
				-30	3.70	-1.402	-0.0005	-2.5 to 2.5	Pass
				-20	3.70	0.100	0.0000	-2.5 to 2.5	Pass
				-10	3.70	-5.221	-0.0019	-2.5 to 2.5	Pass
				0	3.70	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.70	-2.260	-0.0008	-2.5 to 2.5	Pass
				30	3.70	2.589	0.0010	-2.5 to 2.5	Pass
				40	3.70	-3.548	-0.0013	-2.5 to 2.5	Pass
				50	3.70	4.835	0.0018	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.15	-0.930	-0.0004	-2.5 to 2.5	Pass
					3.70	0.730	0.0003	-2.5 to 2.5	Pass
					4.30	3.920	0.0016	-2.5 to 2.5	Pass
				-30	3.70	4.821	0.0019	-2.5 to 2.5	Pass
				-20	3.70	2.604	0.0010	-2.5 to 2.5	Pass
				-10	3.70	7.682	0.0031	-2.5 to 2.5	Pass
				0	3.70	5.636	0.0022	-2.5 to 2.5	Pass
				10	3.70	3.991	0.0016	-2.5 to 2.5	Pass
				30	3.70	5.279	0.0021	-2.5 to 2.5	Pass
				40	3.70	2.317	0.0009	-2.5 to 2.5	Pass
				50	3.70	3.963	0.0016	-2.5 to 2.5	Pass
	2593	100	0	20	3.15	1.388	0.0005	-2.5 to 2.5	Pass
					3.70	-7.811	-0.0030	-2.5 to 2.5	Pass
					4.30	-0.558	-0.0002	-2.5 to 2.5	Pass
				-30	3.70	-1.559	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	-0.930	-0.0004	-2.5 to 2.5	Pass
				-10	3.70	-0.644	-0.0002	-2.5 to 2.5	Pass
				0	3.70	1.302	0.0005	-2.5 to 2.5	Pass
				10	3.70	-0.730	-0.0003	-2.5 to 2.5	Pass
				30	3.70	-2.704	-0.0010	-2.5 to 2.5	Pass
				40	3.70	-1.087	-0.0004	-2.5 to 2.5	Pass
				50	3.70	1.488	0.0006	-2.5 to 2.5	Pass
	2680	100	0	20	3.15	-1.674	-0.0006	-2.5 to 2.5	Pass
					3.70	2.260	0.0008	-2.5 to 2.5	Pass
					4.30	3.090	0.0012	-2.5 to 2.5	Pass
				-30	3.70	3.519	0.0013	-2.5 to 2.5	Pass
				-20	3.70	1.559	0.0006	-2.5 to 2.5	Pass
				-10	3.70	-0.572	-0.0002	-2.5 to 2.5	Pass
				0	3.70	3.648	0.0014	-2.5 to 2.5	Pass
				10	3.70	0.572	0.0002	-2.5 to 2.5	Pass
				30	3.70	-2.904	-0.0011	-2.5 to 2.5	Pass
				40	3.70	2.346	0.0009	-2.5 to 2.5	Pass
				50	3.70	-0.029	0.0000	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
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

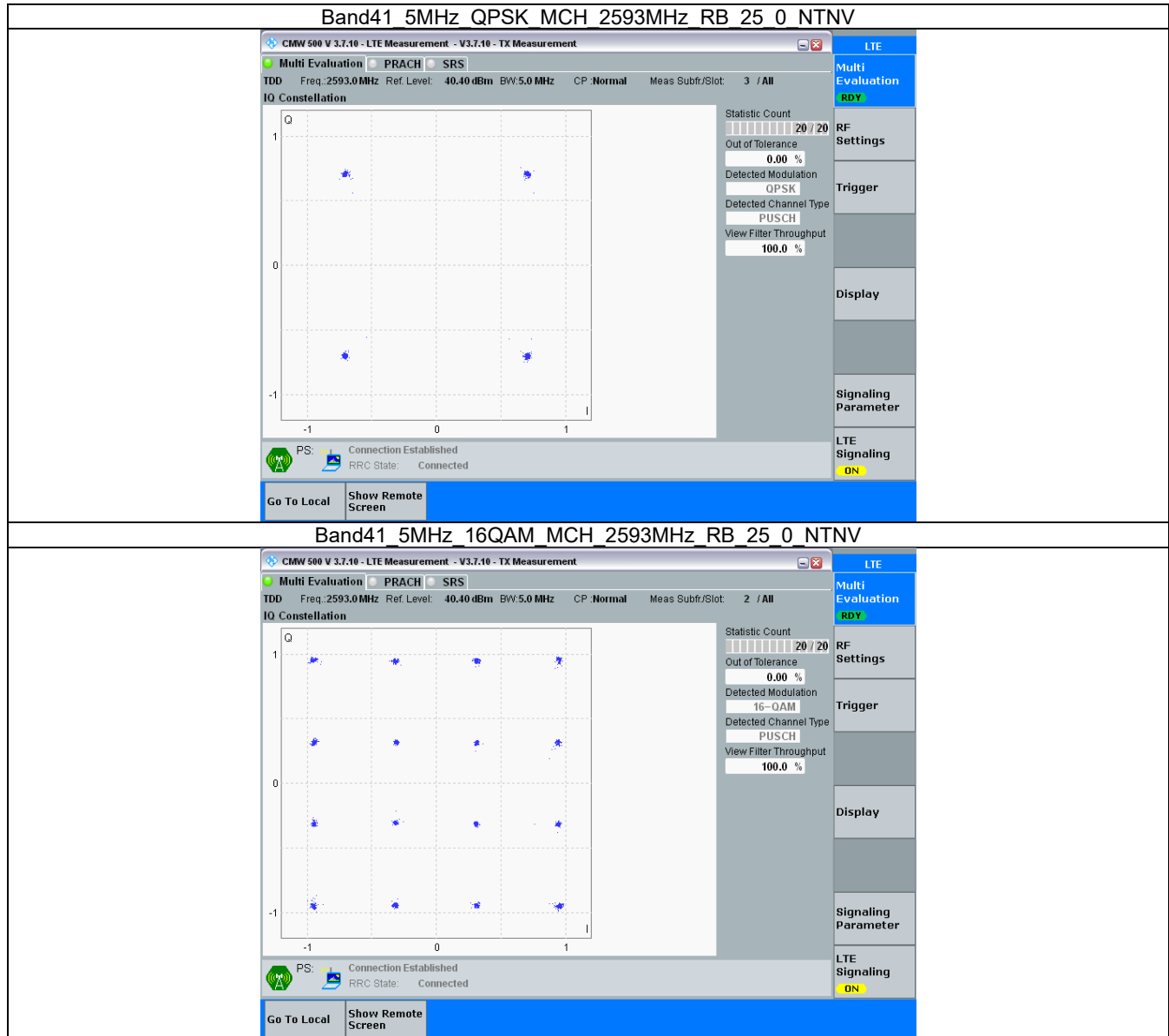
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

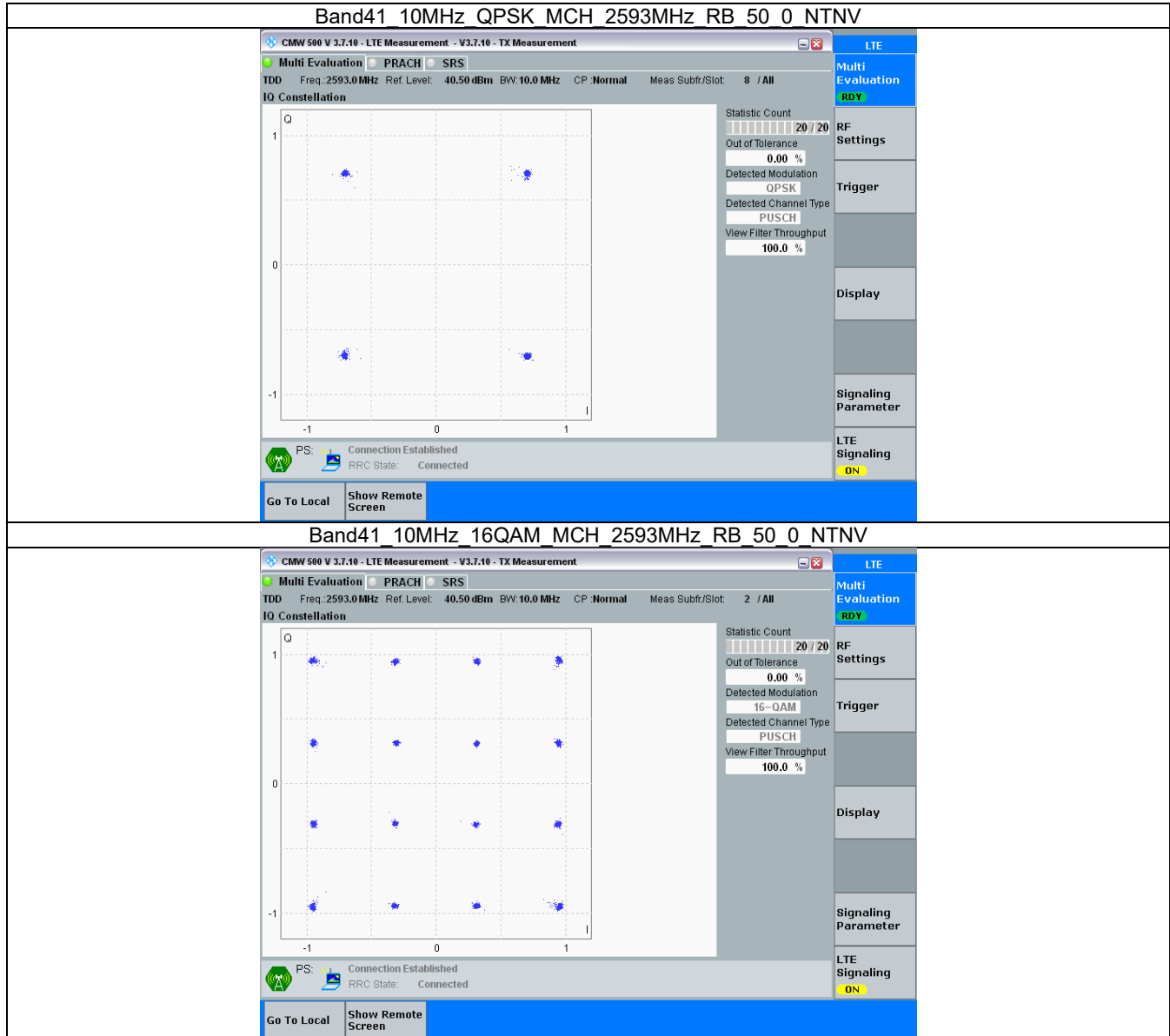
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

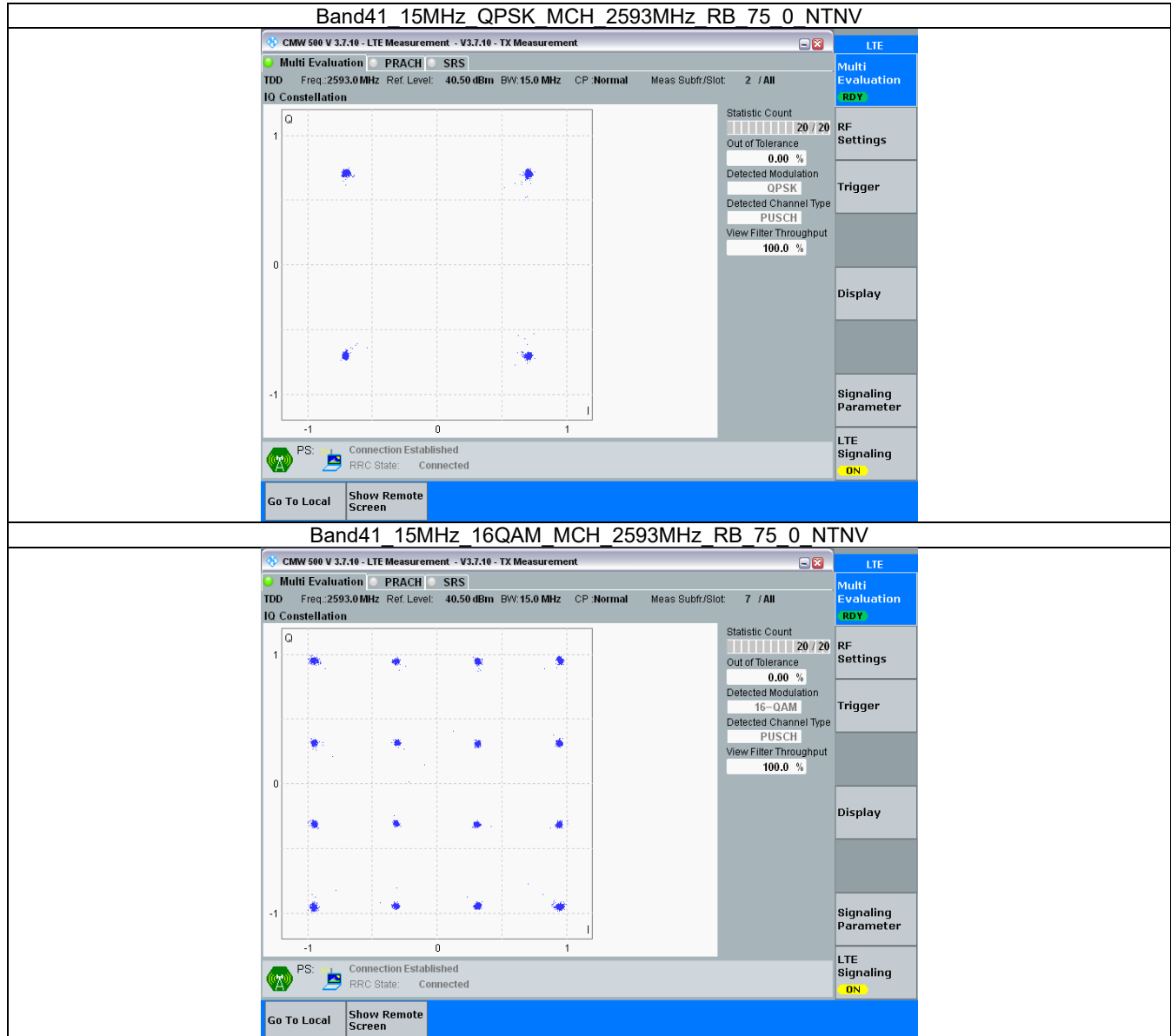
3.2.1 B41_5MHz



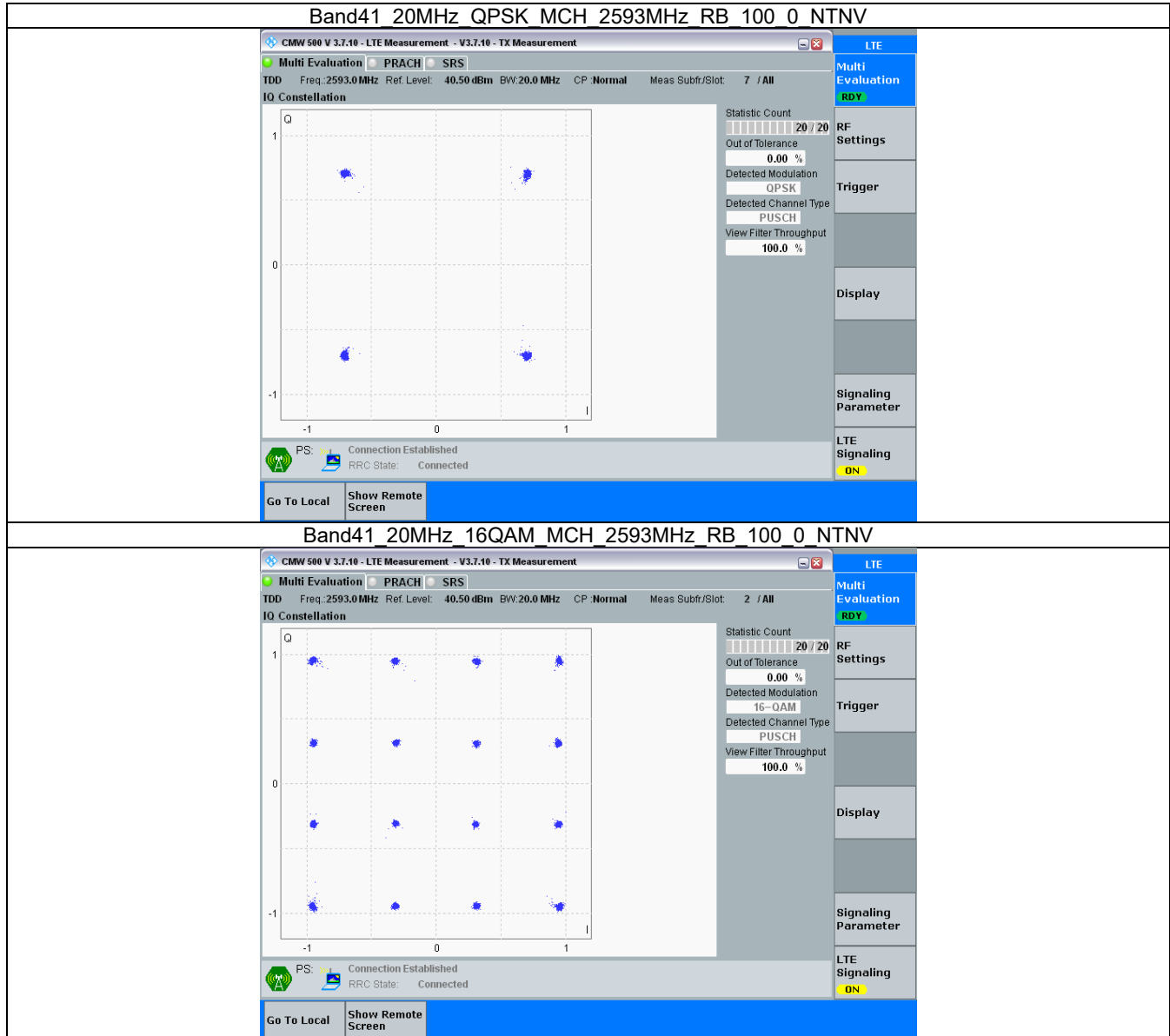
3.2.2 B41_10MHz



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	4.563	/	Pass
		2593	25	0	4.564	/	Pass
		2687.5	25	0	4.553	/	Pass
	16QAM	2498.5	25	0	4.541	/	Pass
		2593	25	0	4.552	/	Pass
		2687.5	25	0	4.543	/	Pass
10	QPSK	2501	50	0	9.063	/	Pass
		2593	50	0	9.055	/	Pass
		2685	50	0	9.069	/	Pass
	16QAM	2501	50	0	9.073	/	Pass
		2593	50	0	9.096	/	Pass
		2685	50	0	9.054	/	Pass
15	QPSK	2503.5	75	0	13.558	/	Pass
		2593	75	0	13.611	/	Pass
		2682.5	75	0	13.621	/	Pass
	16QAM	2503.5	75	0	13.636	/	Pass
		2593	75	0	13.599	/	Pass
		2682.5	75	0	13.656	/	Pass
20	QPSK	2506	100	0	18.092	/	Pass
		2593	100	0	18.080	/	Pass
		2680	100	0	18.151	/	Pass
	16QAM	2506	100	0	18.076	/	Pass
		2593	100	0	18.096	/	Pass
		2680	100	0	18.100	/	Pass

4.1.2 Band41_XDB

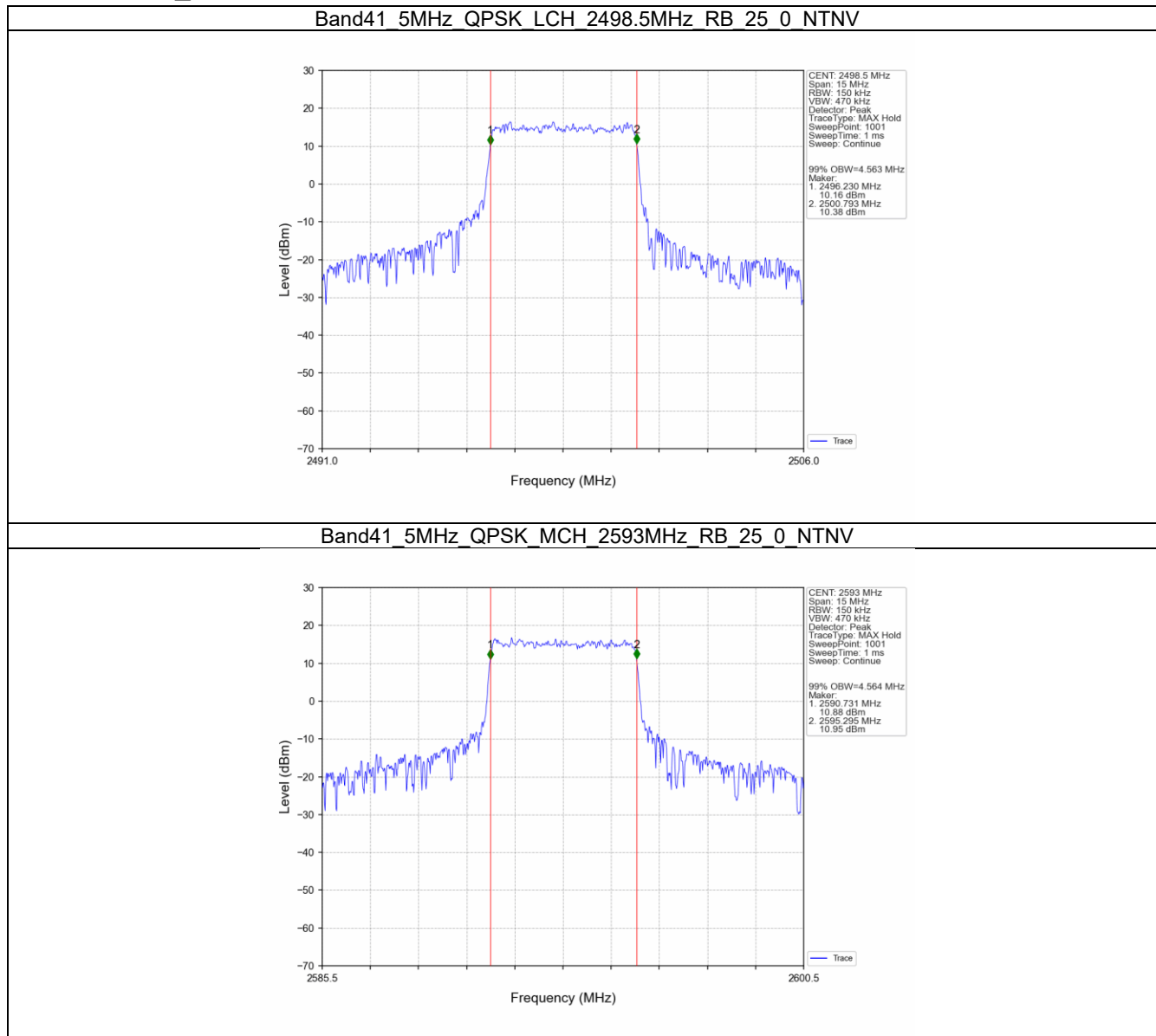
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.694	/	Pass
		2593	25	0	5.842	/	Pass
		2687.5	25	0	5.099	/	Pass
	16QAM	2498.5	25	0	5.047	/	Pass
		2593	25	0	5.147	/	Pass
		2687.5	25	0	5.055	/	Pass
10	QPSK	2501	50	0	11.057	/	Pass
		2593	50	0	10.631	/	Pass
		2685	50	0	10.960	/	Pass
	16QAM	2501	50	0	9.900	/	Pass
		2593	50	0	11.883	/	Pass
		2685	50	0	11.525	/	Pass
15	QPSK	2503.5	75	0	17.422	/	Pass
		2593	75	0	15.990	/	Pass
		2682.5	75	0	16.427	/	Pass
	16QAM	2503.5	75	0	16.083	/	Pass
		2593	75	0	15.216	/	Pass
		2682.5	75	0	18.204	/	Pass
20	QPSK	2506	100	0	20.611	/	Pass



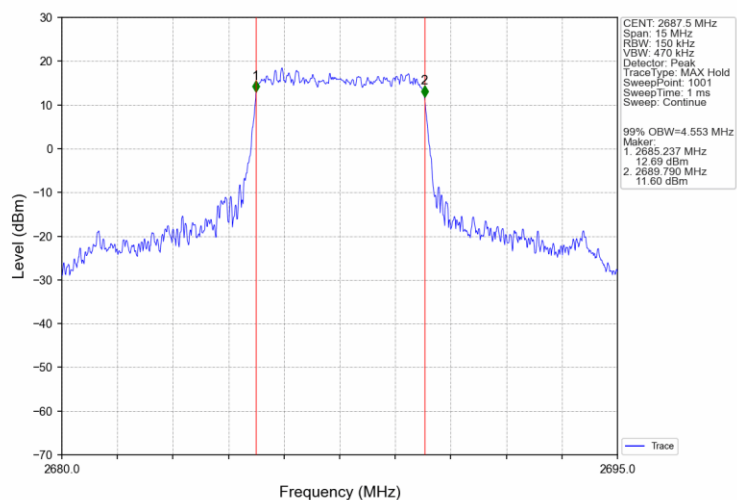
		2593	100	0	23.736	/	Pass
		2680	100	0	19.813	/	Pass
	16QAM	2506	100	0	20.068	/	Pass
		2593	100	0	20.428	/	Pass
		2680	100	0	20.519	/	Pass

4.2 Test Graph

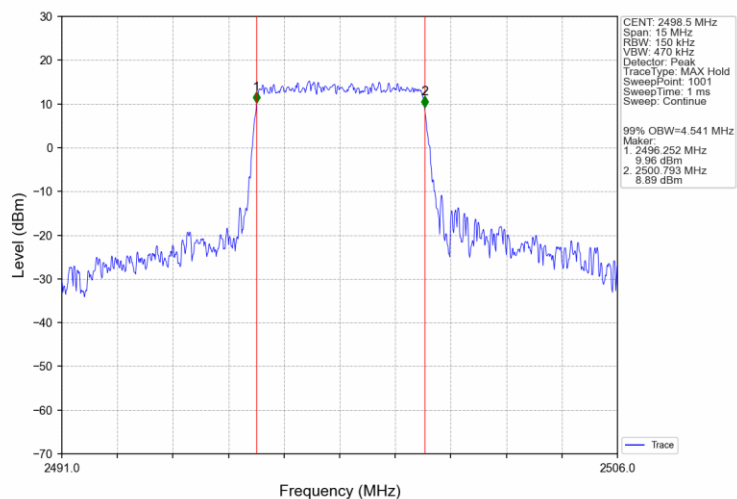
4.2.1 Band41_OBW



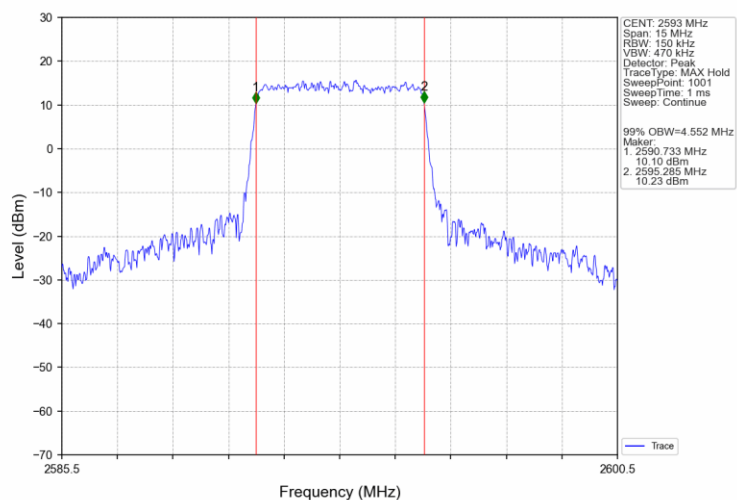
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



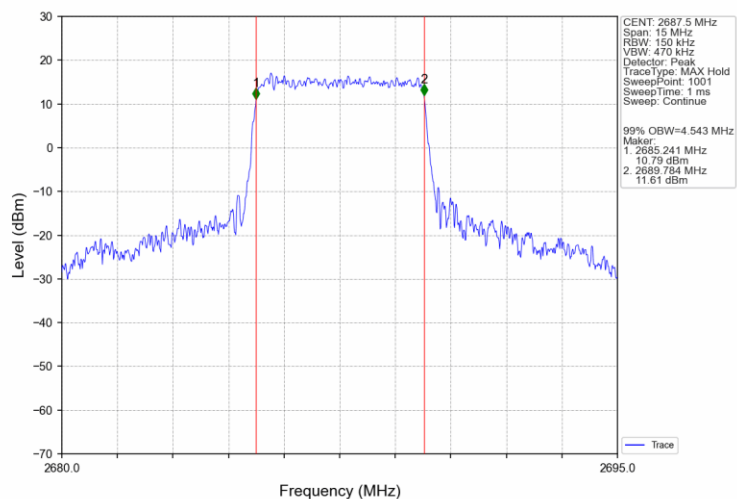
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



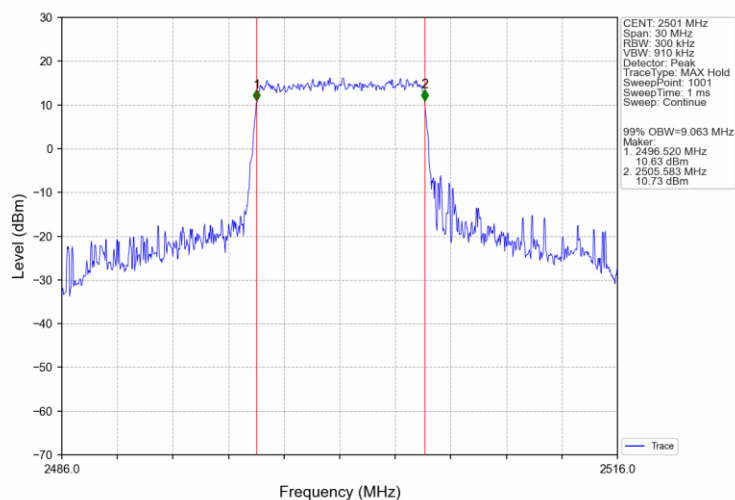
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



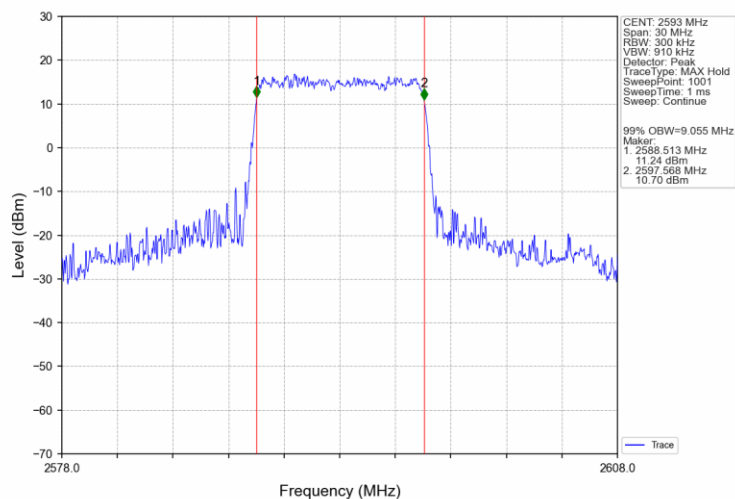
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



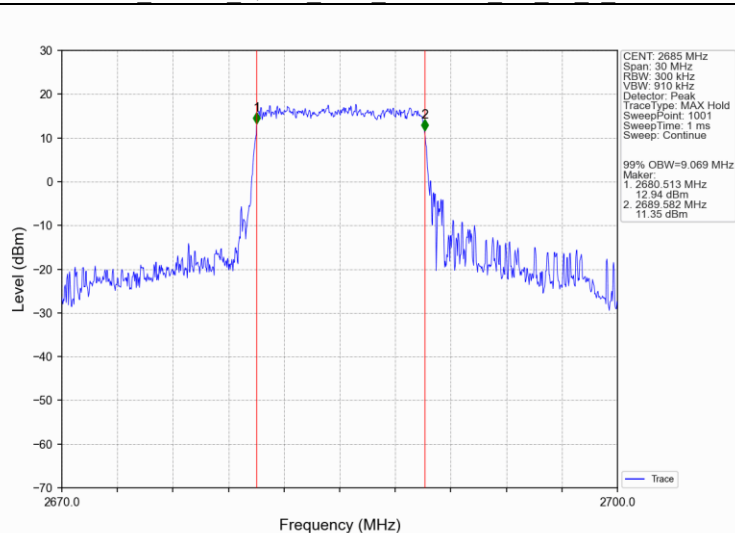
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTV



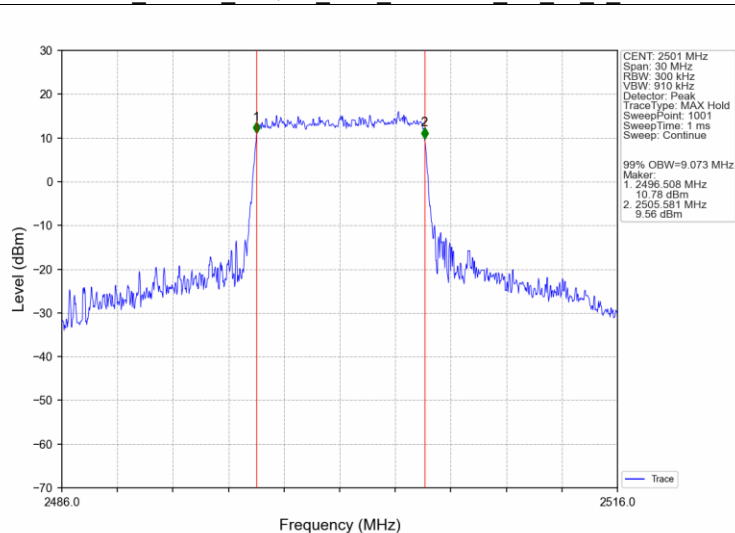
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTV



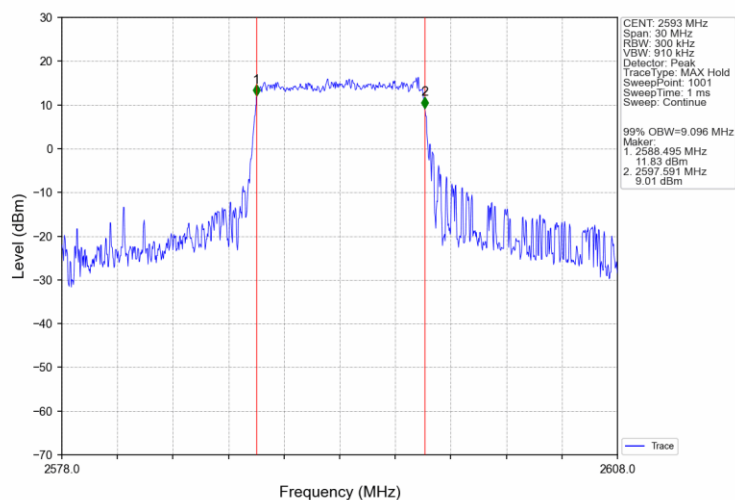
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



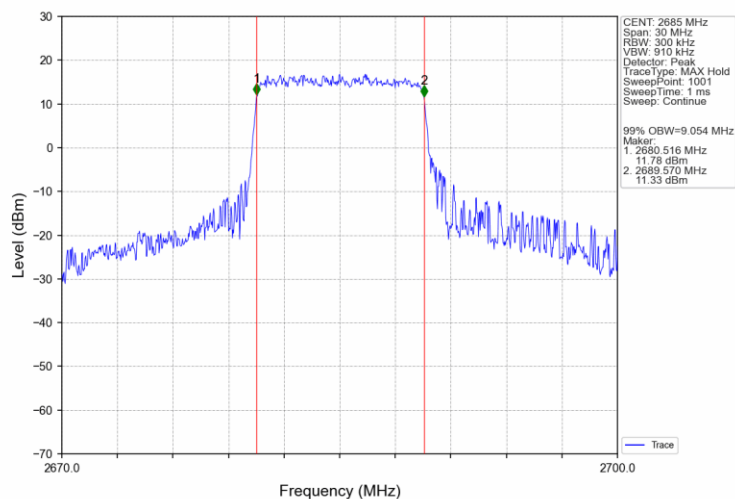
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



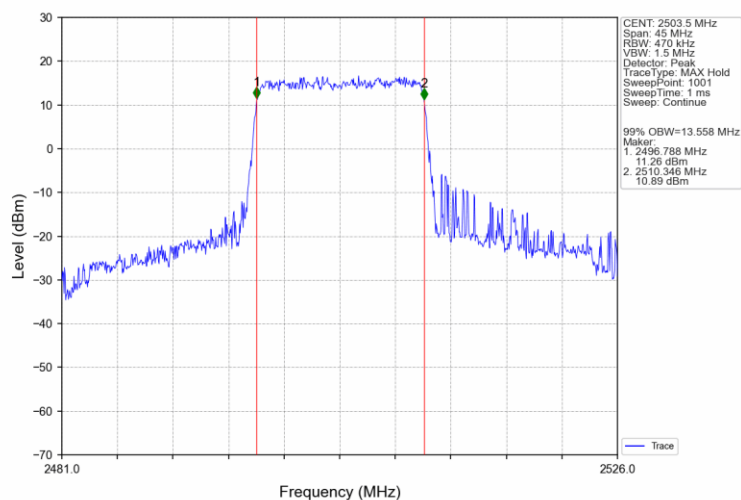
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



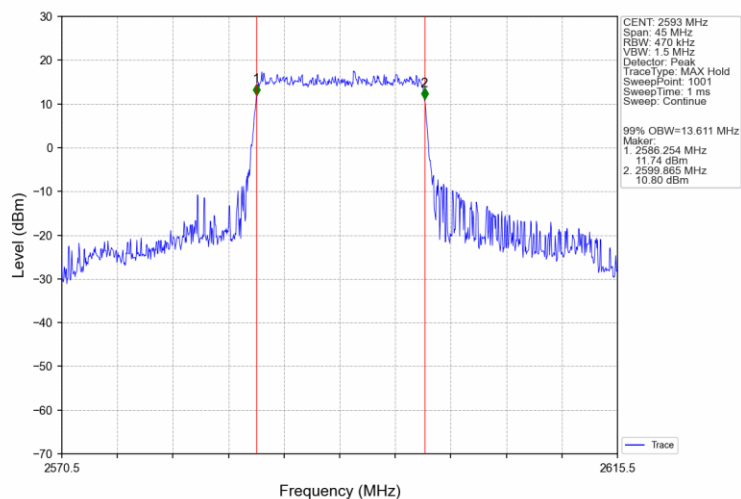
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



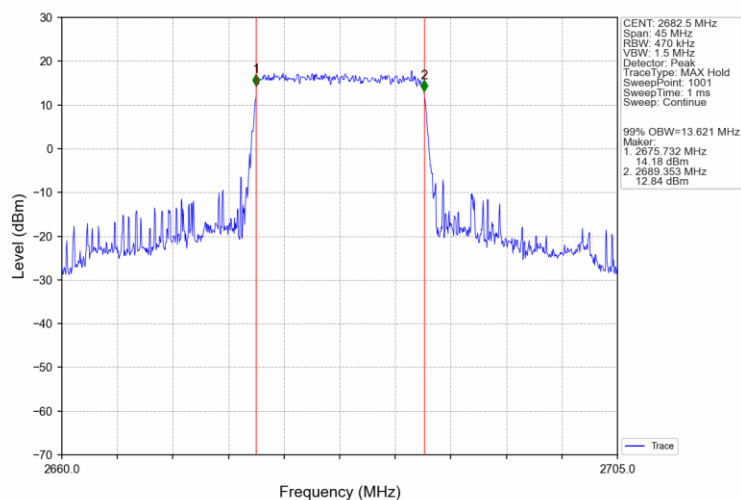
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTN



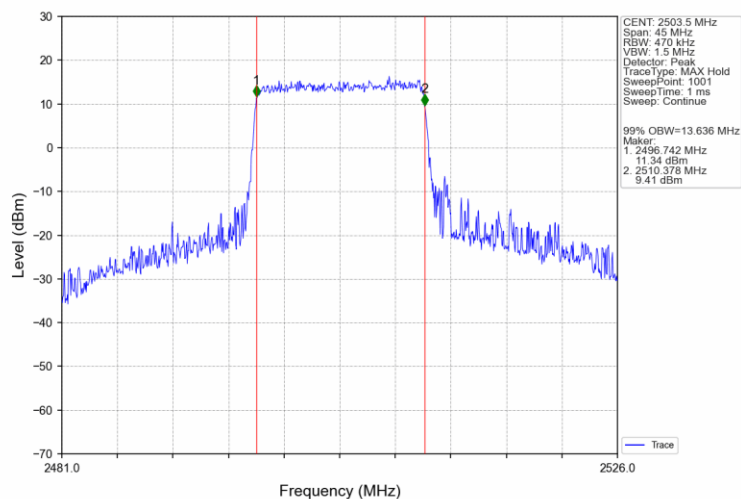
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTN



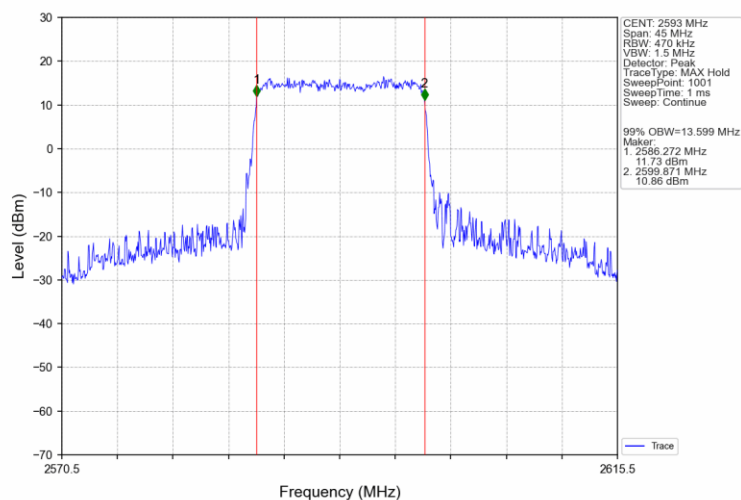
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



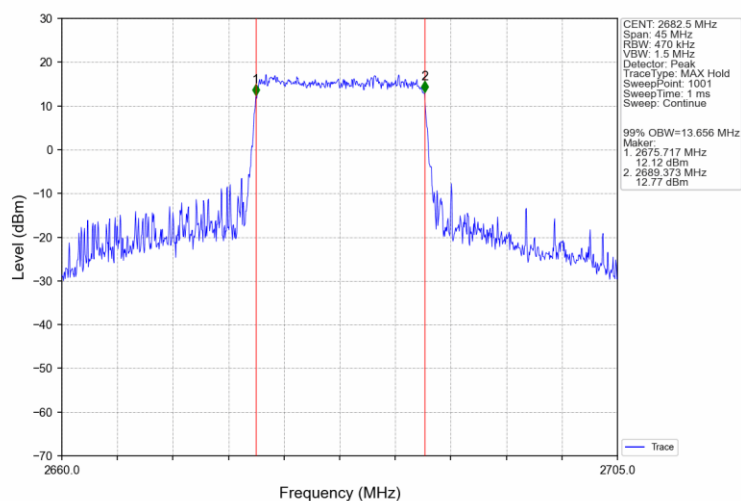
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



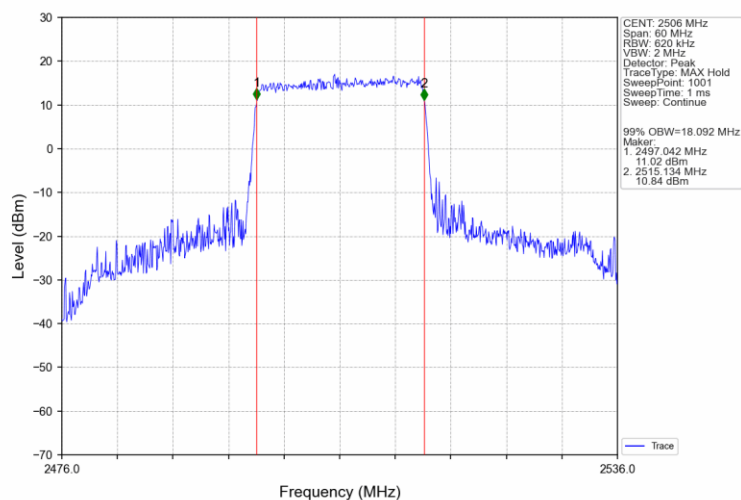
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



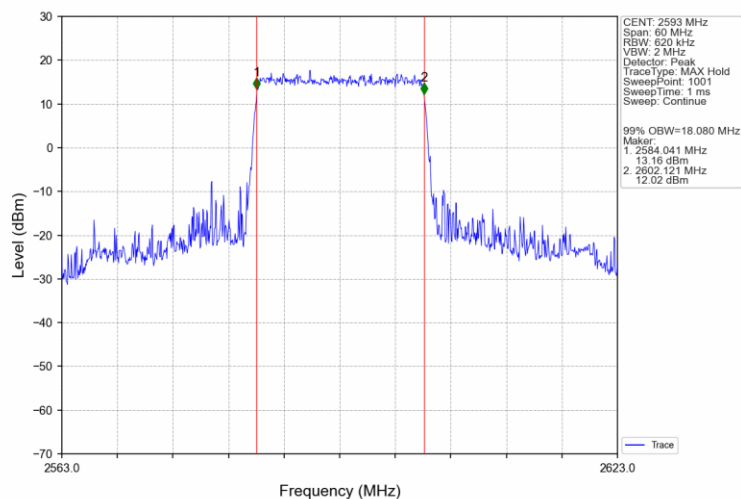
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



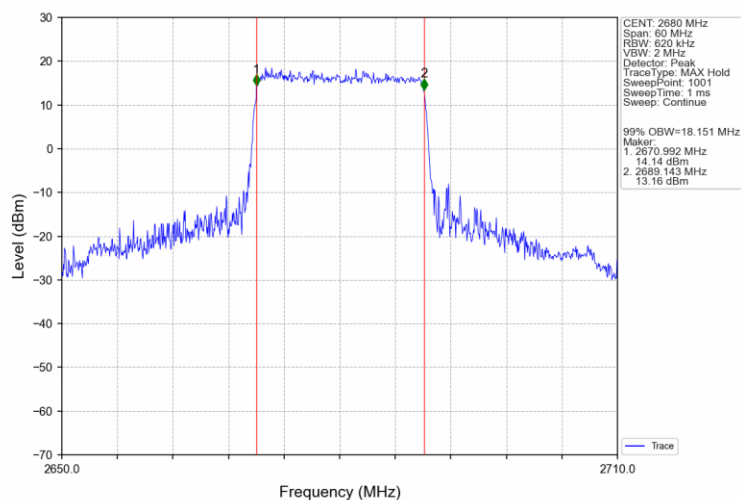
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



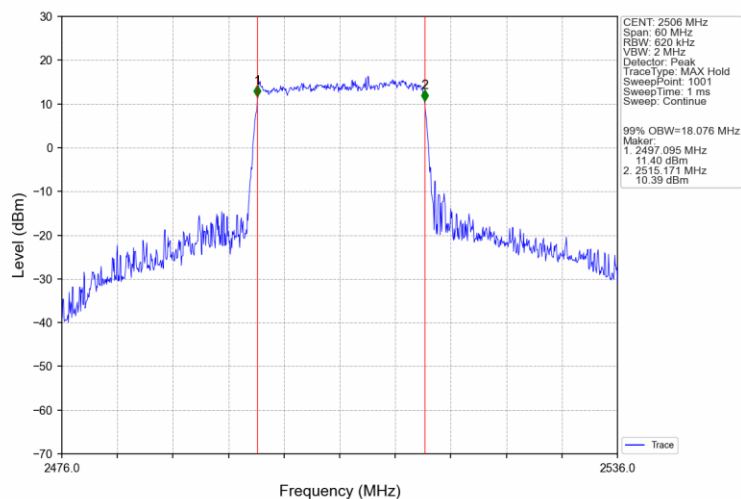
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



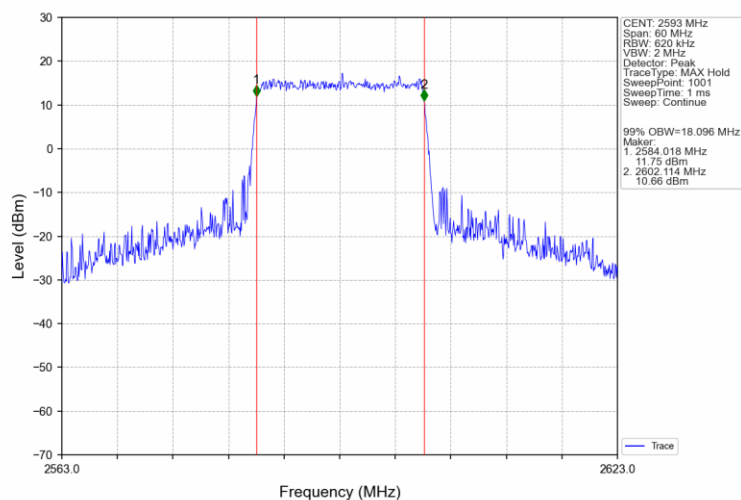
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



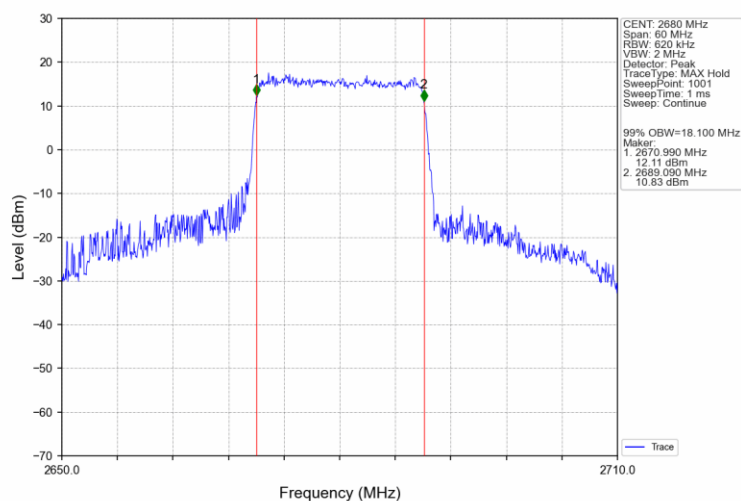
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTN



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

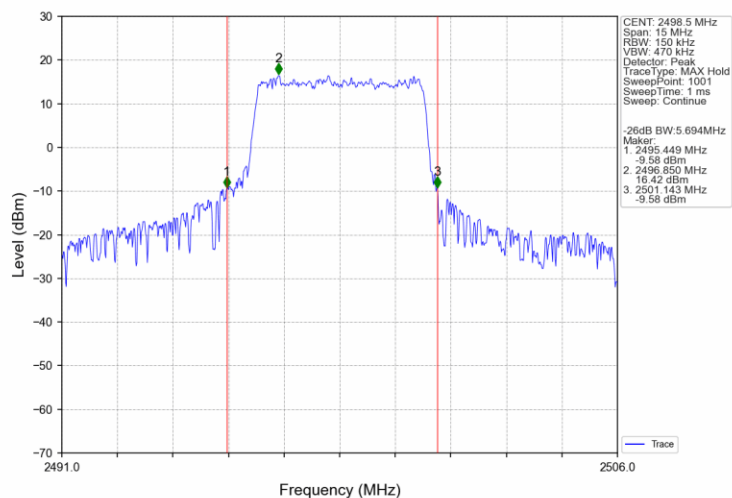


Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV

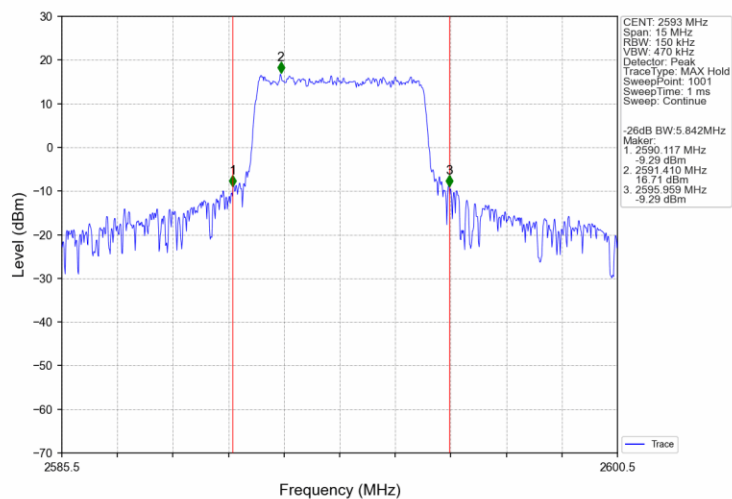


4.2.2 Band41_XDB

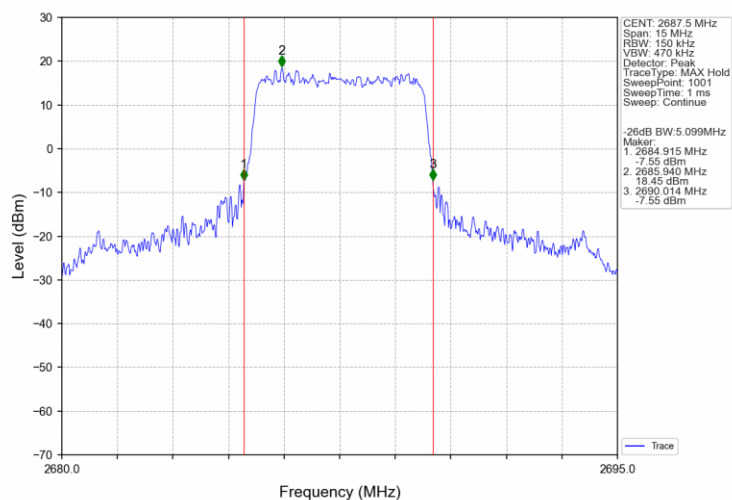
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



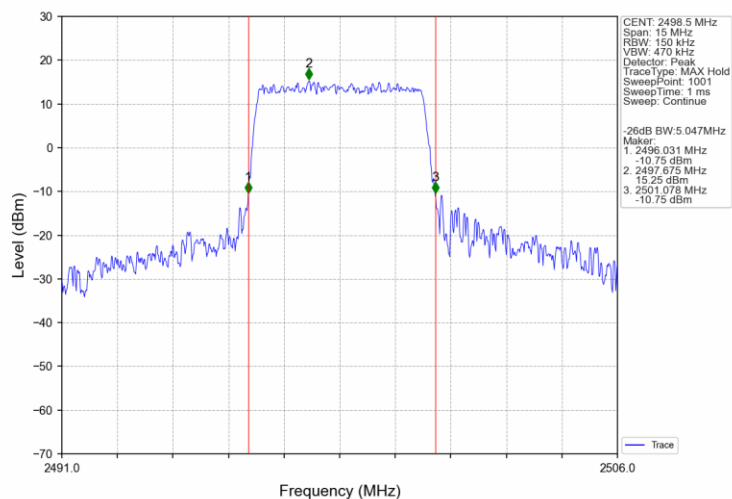
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



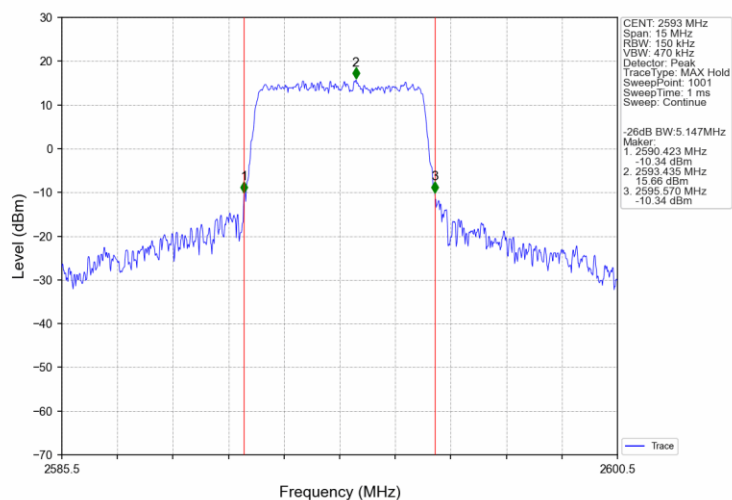
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



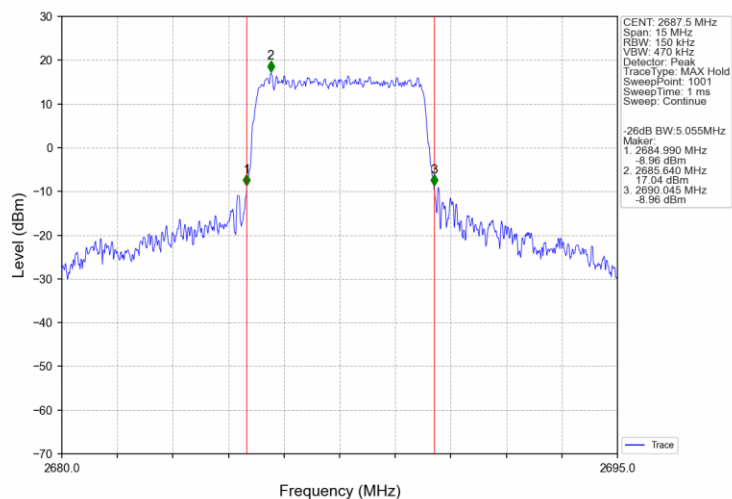
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



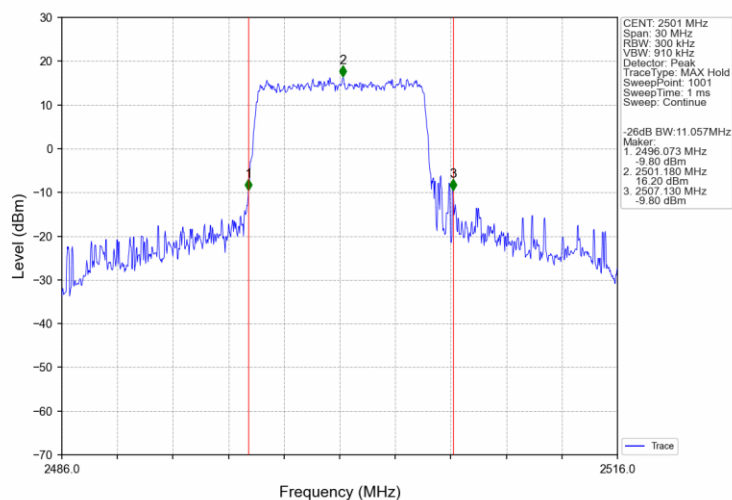
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



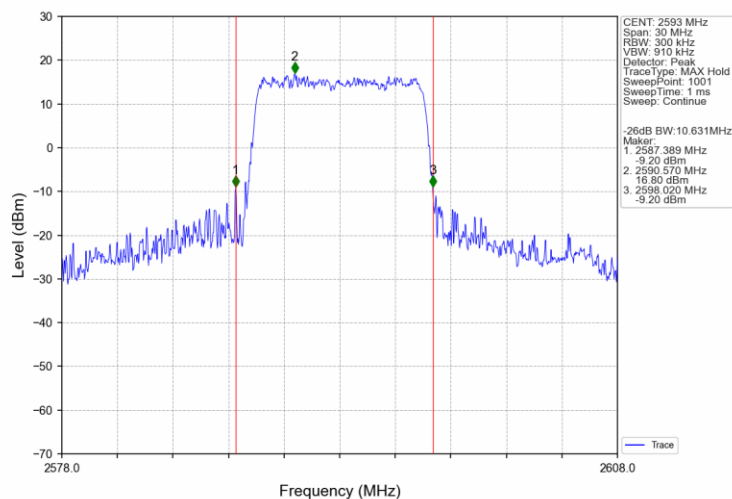
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



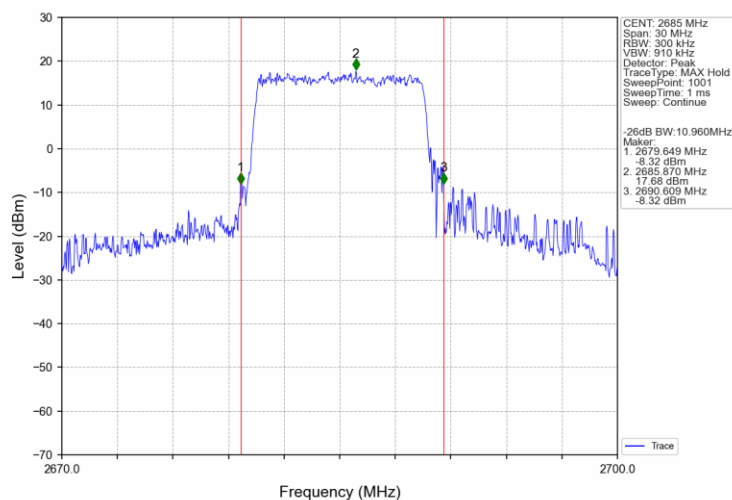
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTV



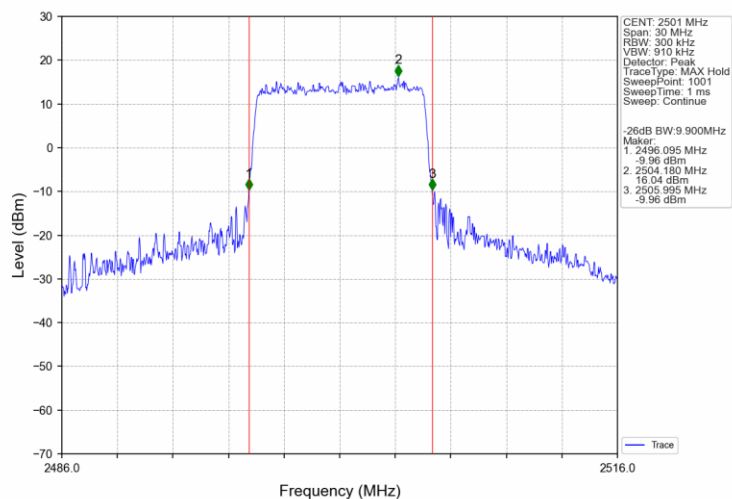
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTV



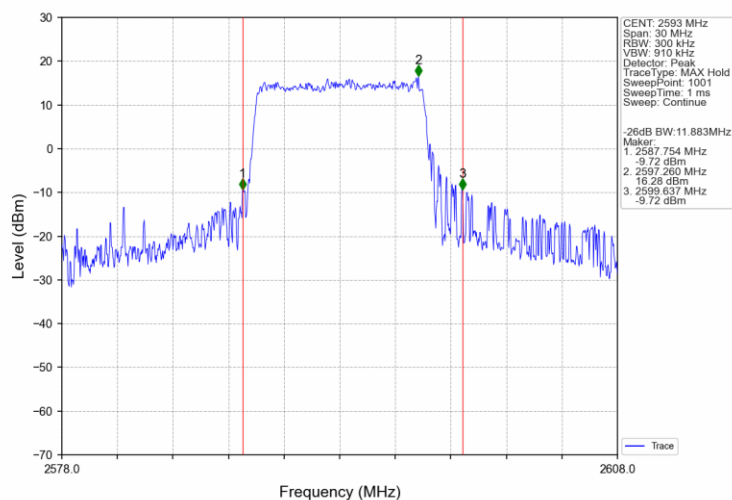
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV



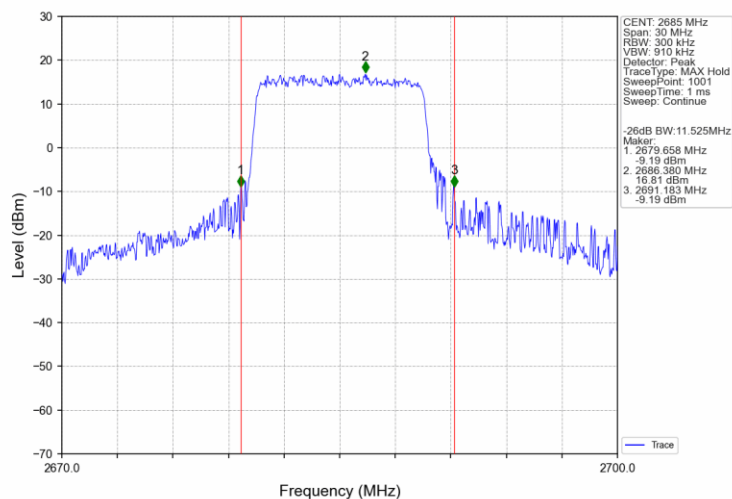
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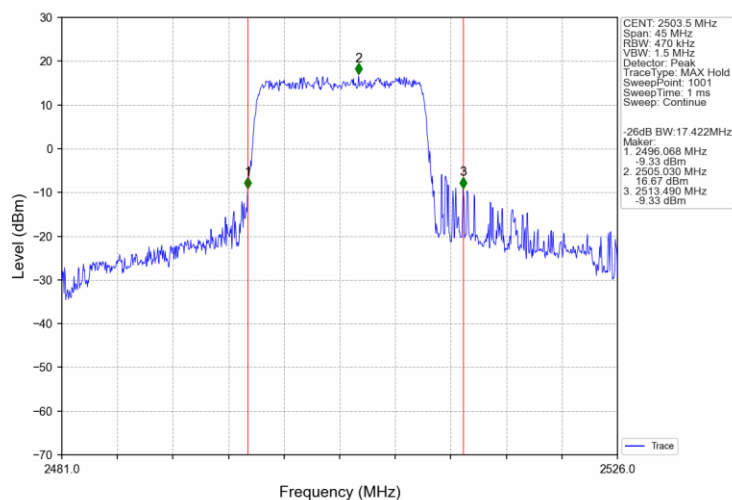
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTN



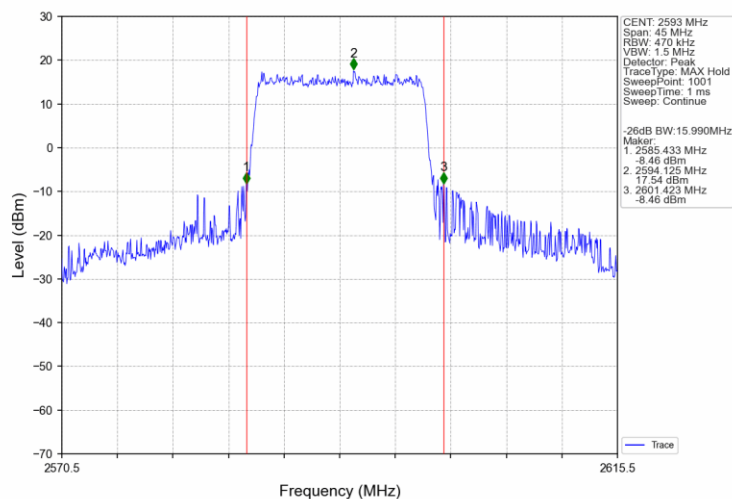
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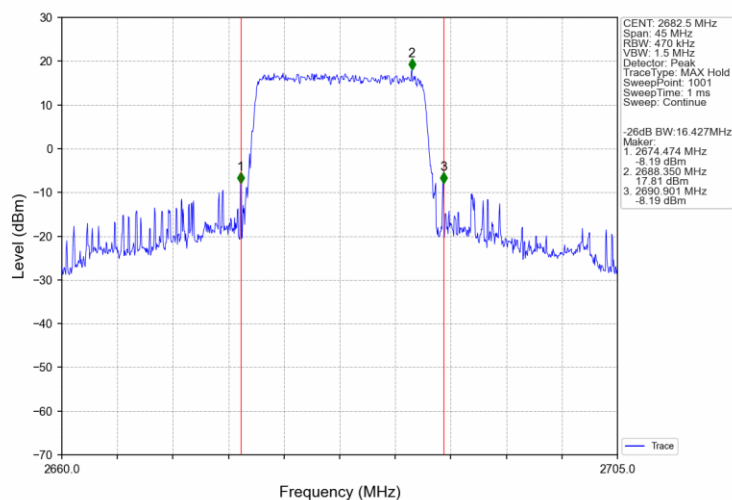
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



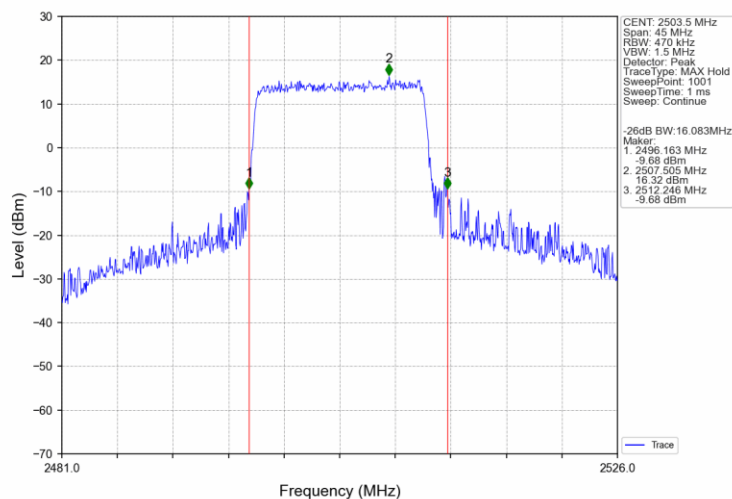
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



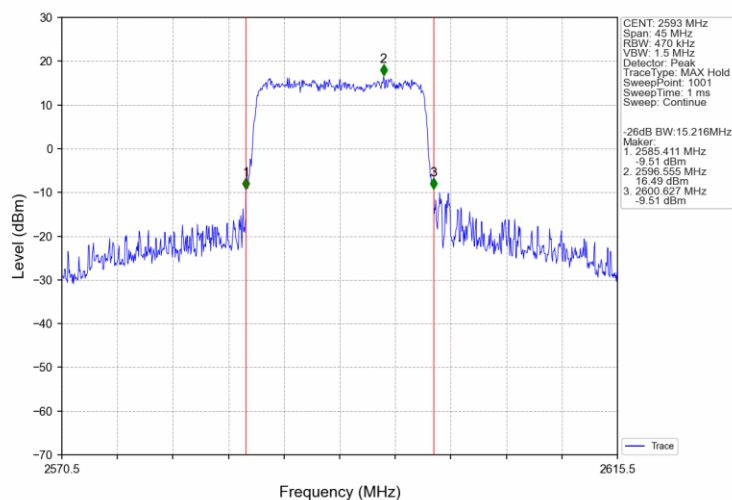
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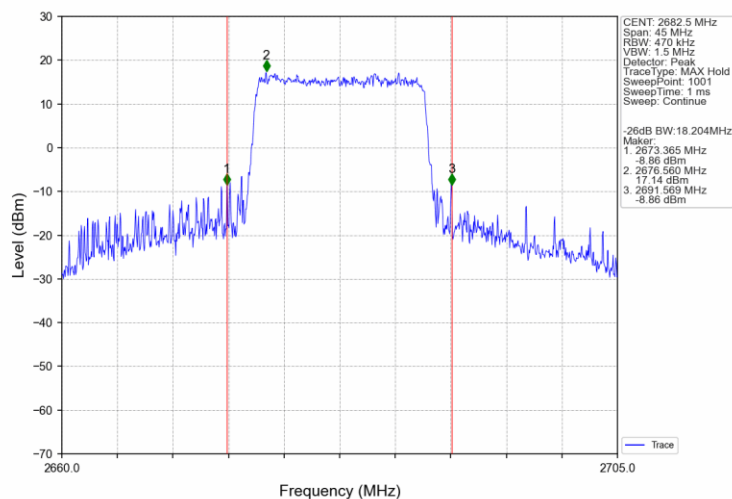
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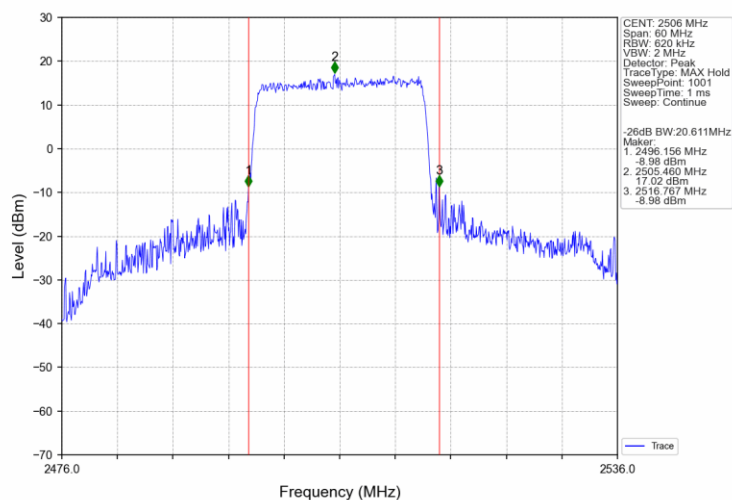
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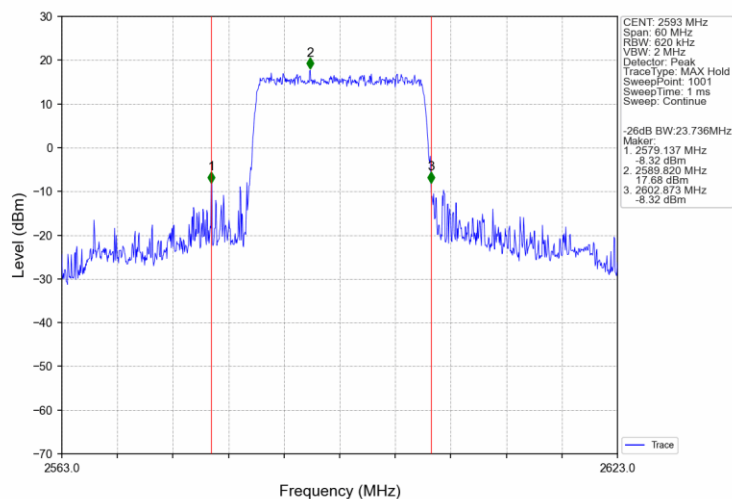
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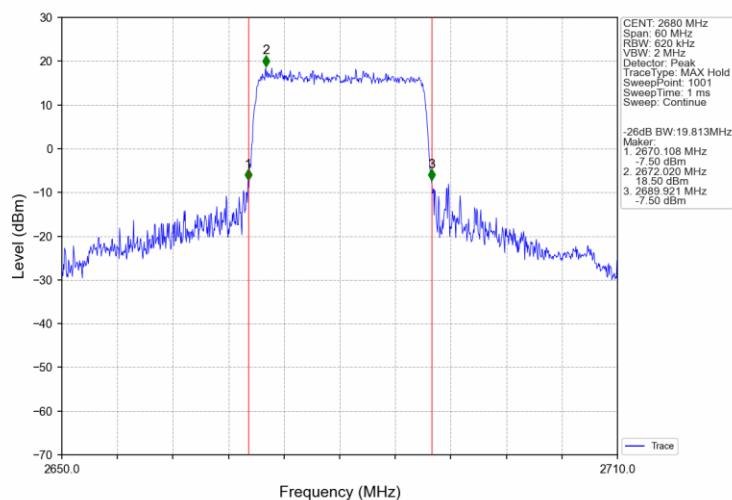
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



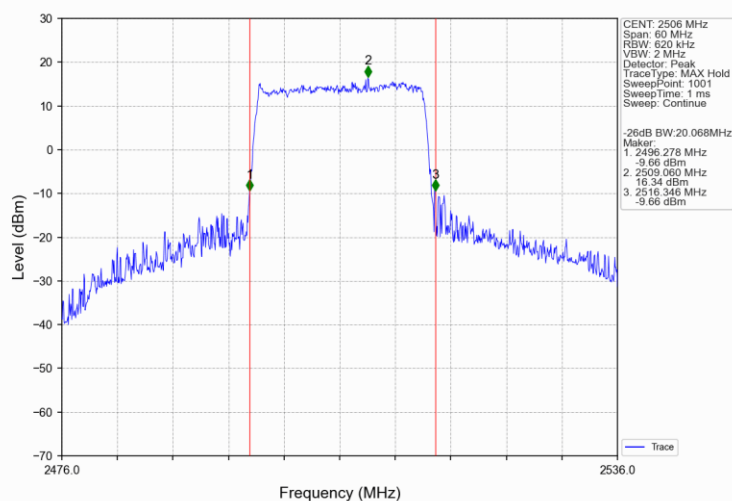
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



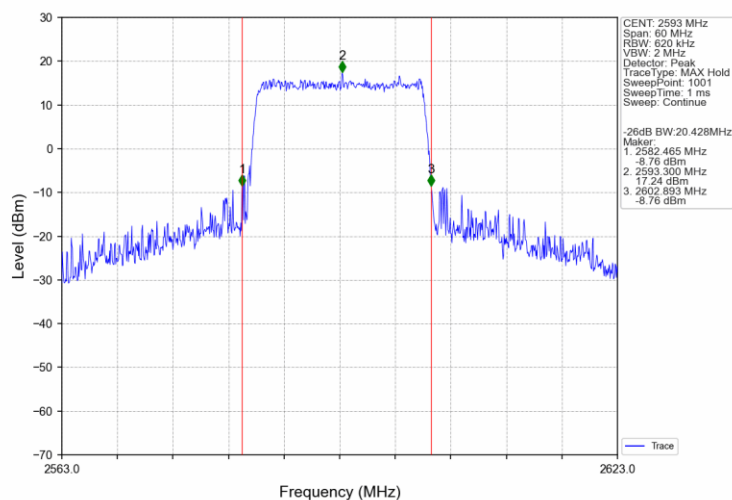
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



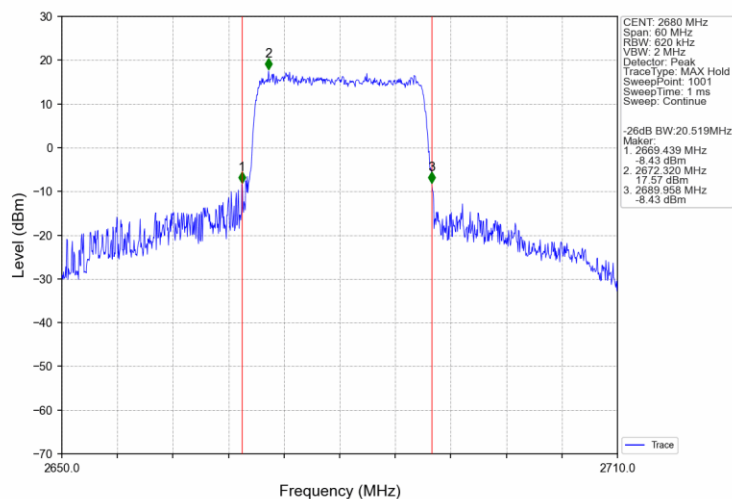
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



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	7.44	<=13	Pass
	2593	25	0	7.45	<=13	Pass
	2687.5	25	0	7.42	<=13	Pass
16QAM	2498.5	25	0	8.08	<=13	Pass
	2593	25	0	8.11	<=13	Pass
	2687.5	25	0	7.96	<=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	7.29	<=13	Pass
	2593	50	0	7.35	<=13	Pass
	2685	50	0	7.41	<=13	Pass
16QAM	2501	50	0	8.07	<=13	Pass
	2593	50	0	8.16	<=13	Pass
	2685	50	0	8.19	<=13	Pass

5.1.3 B41_15MHz

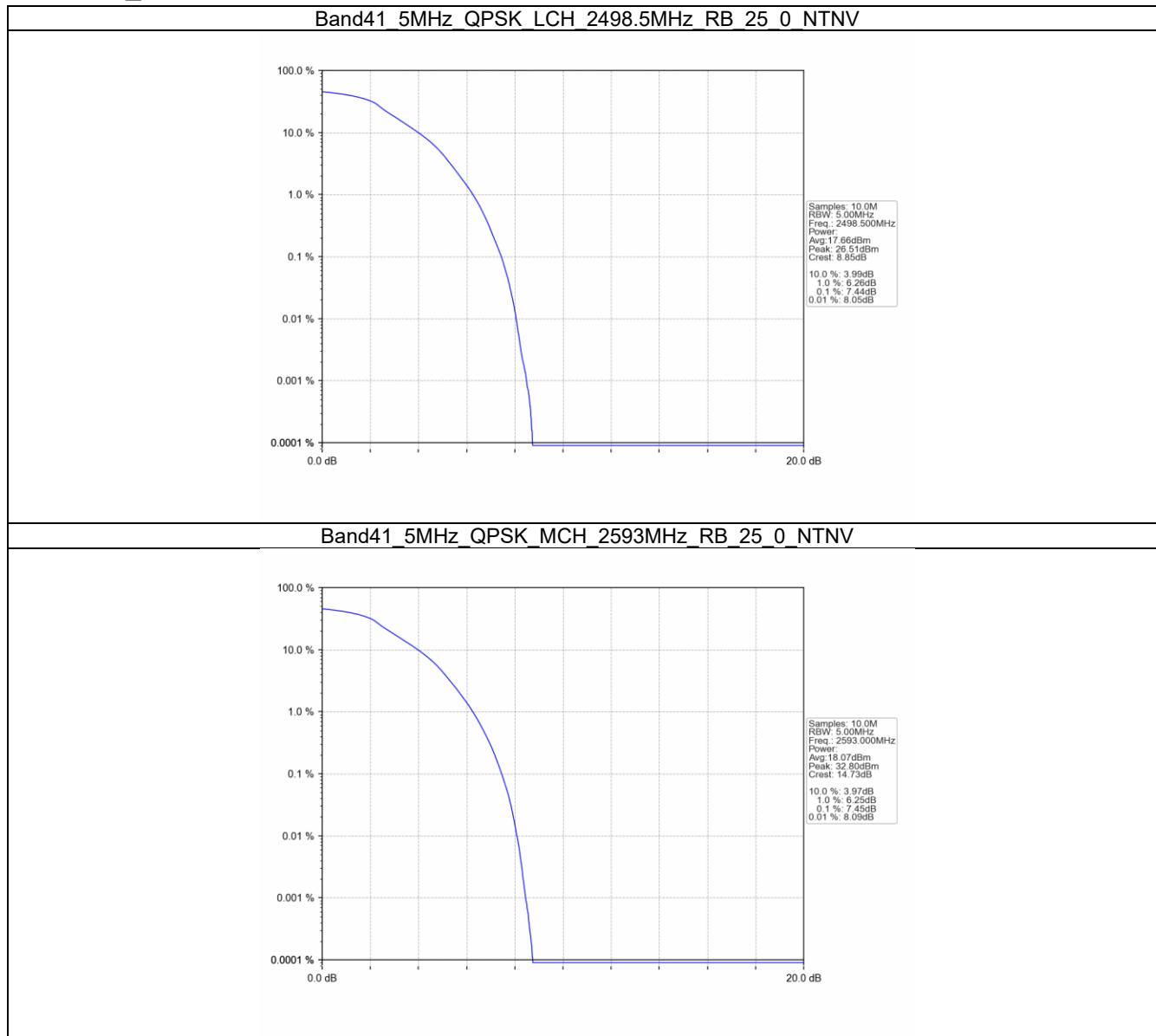
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.25	<=13	Pass
	2593	75	0	7.16	<=13	Pass
	2682.5	75	0	7.12	<=13	Pass
16QAM	2503.5	75	0	7.99	<=13	Pass
	2593	75	0	8.23	<=13	Pass
	2682.5	75	0	8.19	<=13	Pass

5.1.4 B41_20MHz

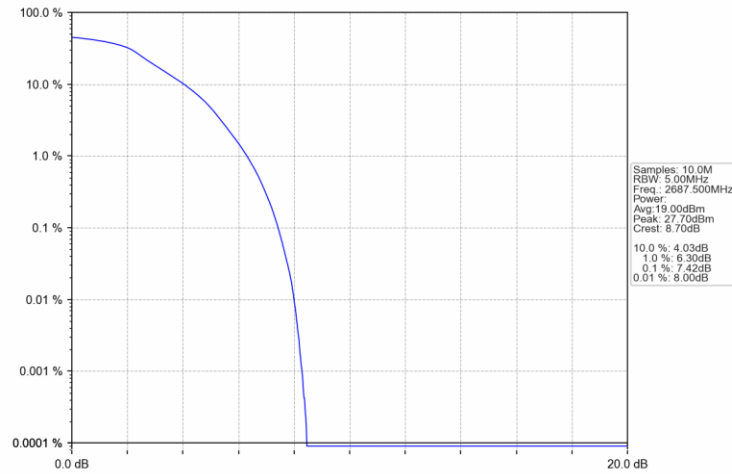
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.61	<=13	Pass
	2593	100	0	7.76	<=13	Pass
	2680	100	0	7.61	<=13	Pass
16QAM	2506	100	0	8.56	<=13	Pass
	2593	100	0	8.76	<=13	Pass
	2680	100	0	8.64	<=13	Pass

5.2 Test Graph

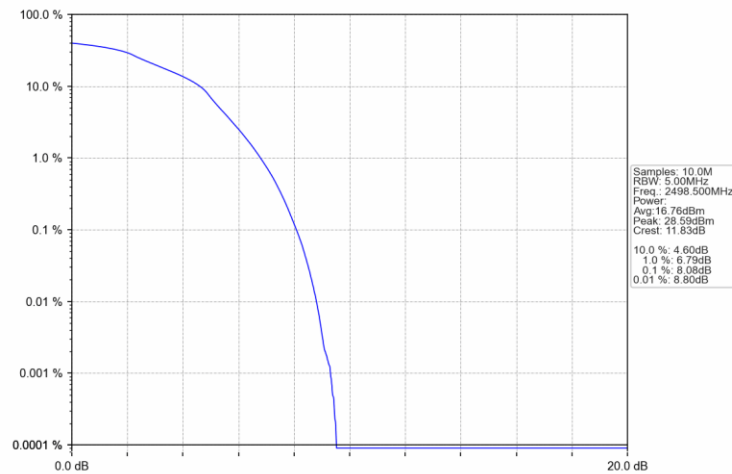
5.2.1 B41_5MHz



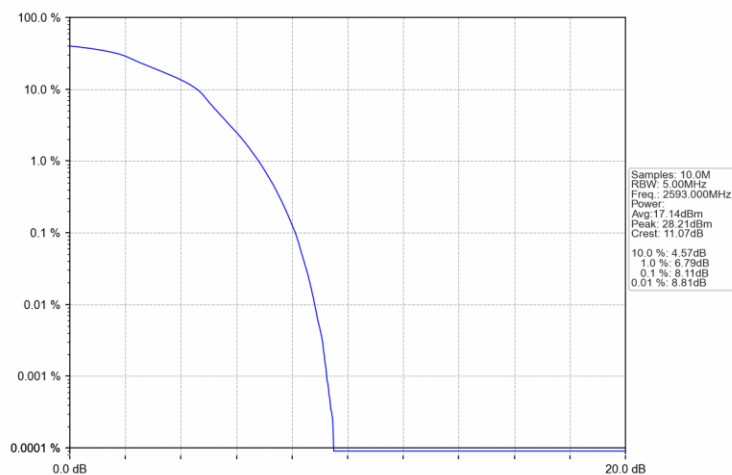
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTN



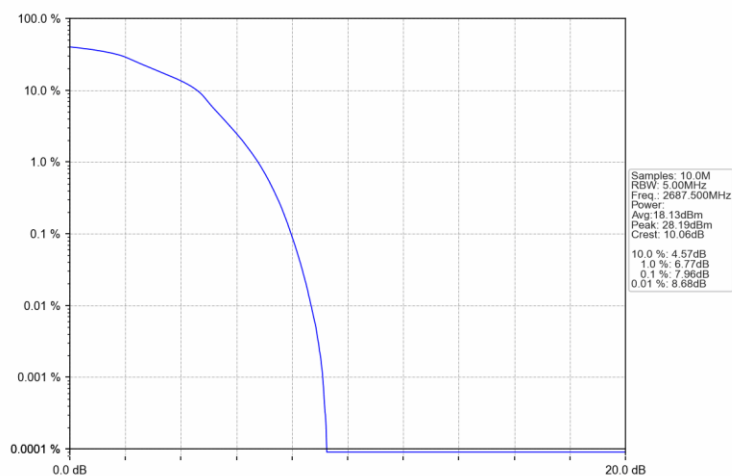
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTN



Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV

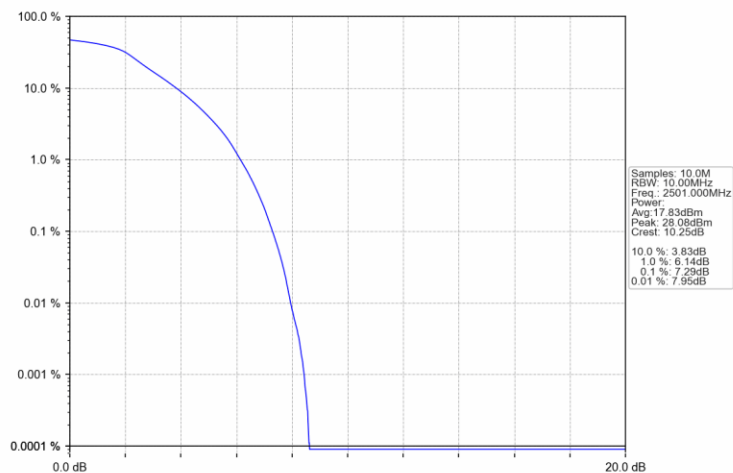


Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV

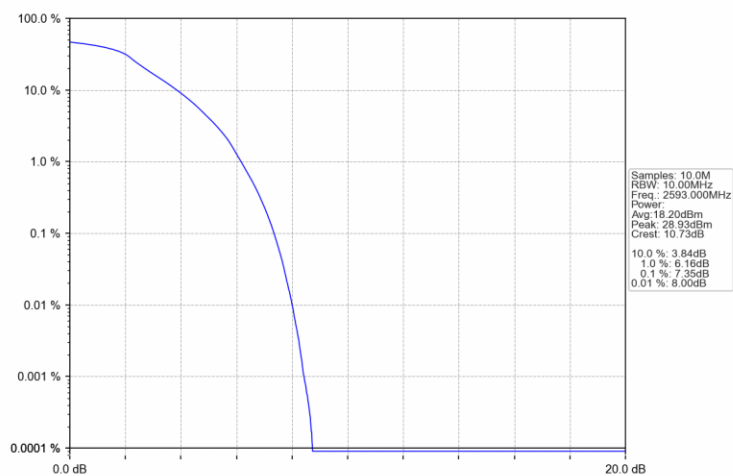


5.2.2 B41_10MHz

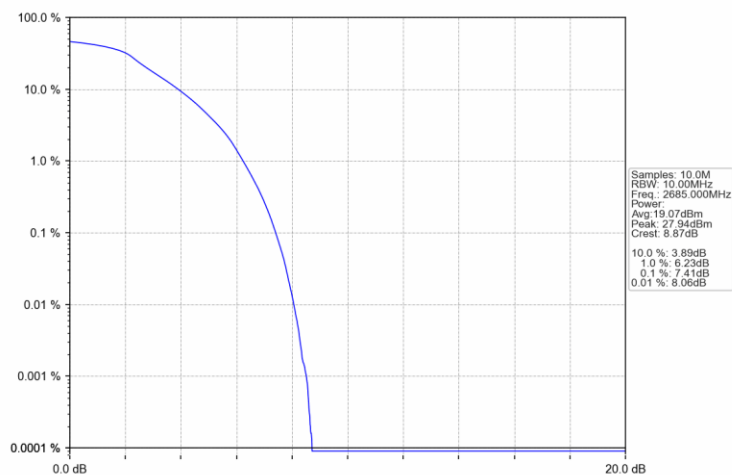
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



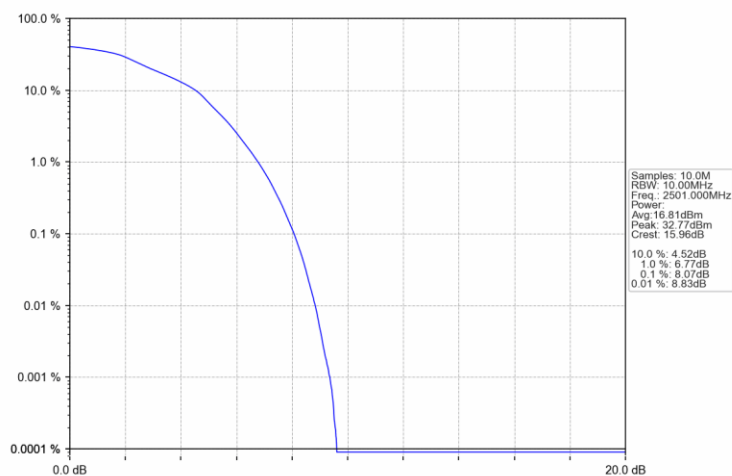
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



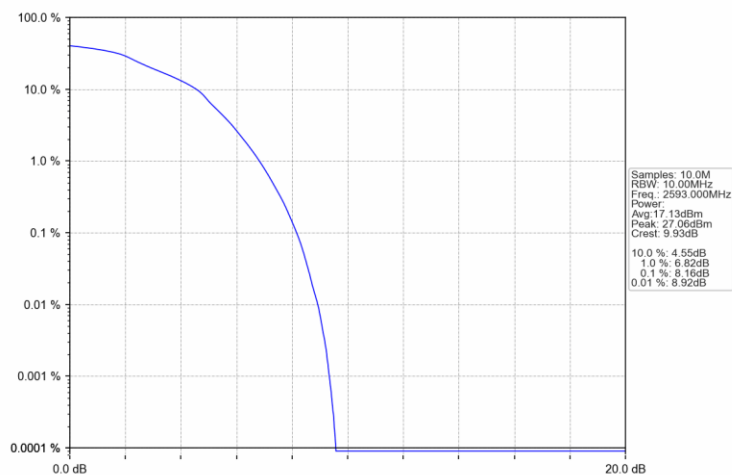
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV



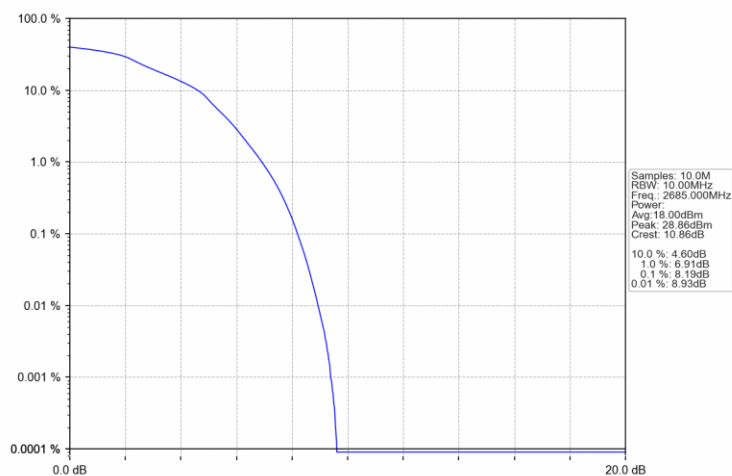
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTV



Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTN

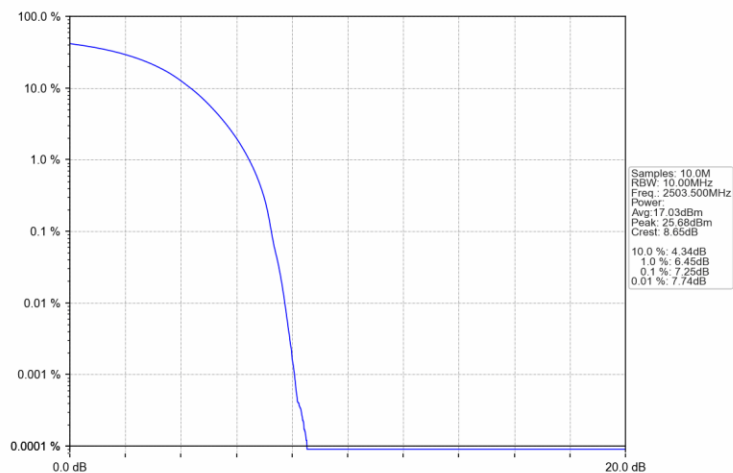


Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTN

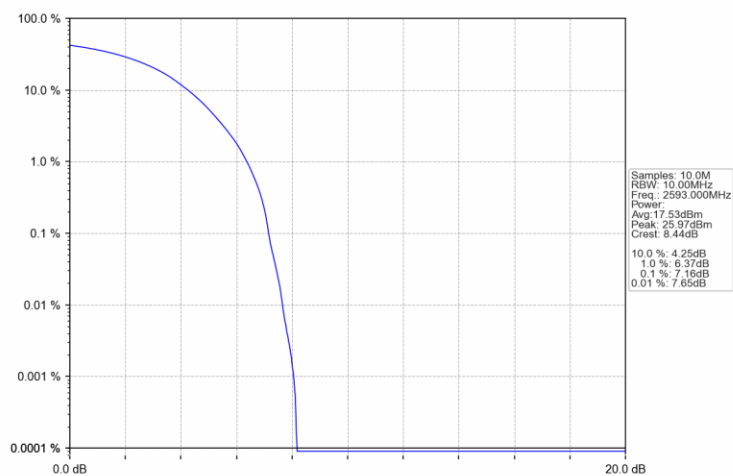


5.2.3 B41_15MHz

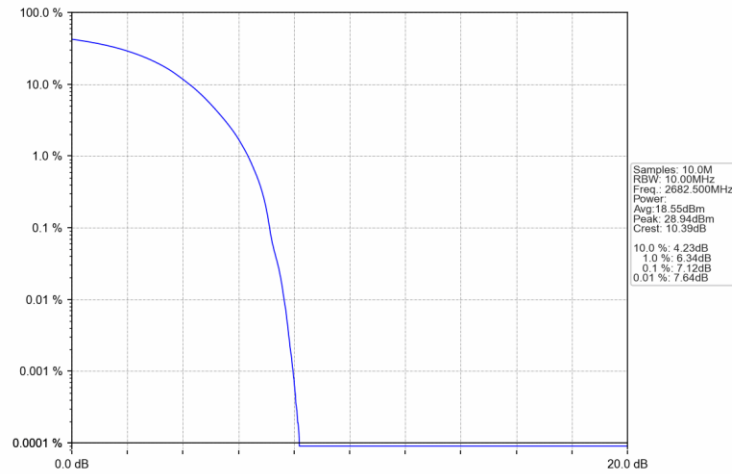
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



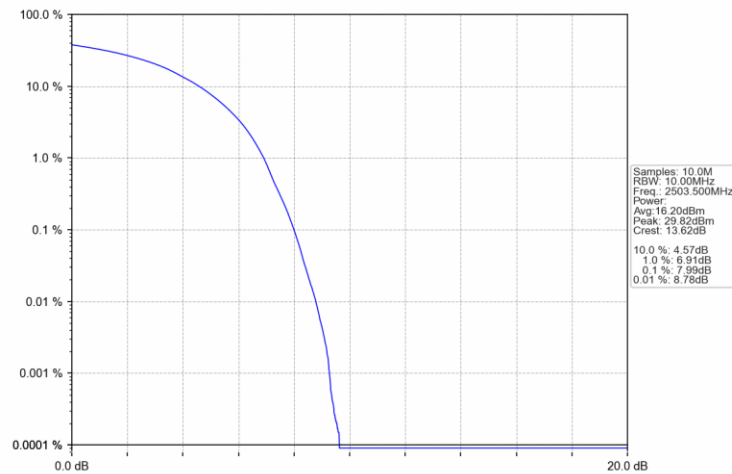
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



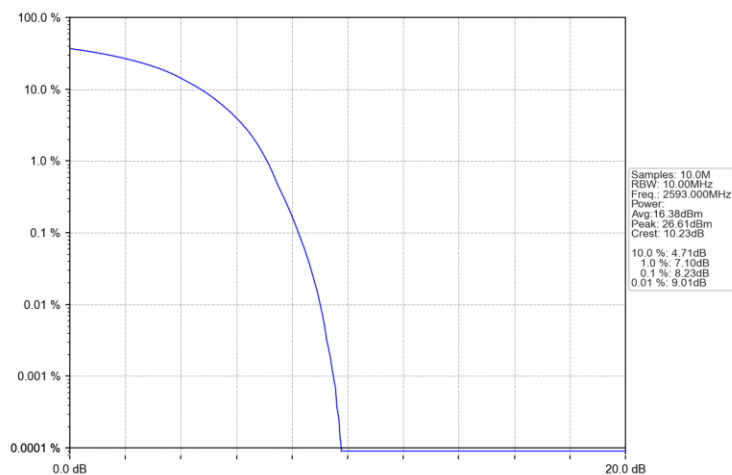
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



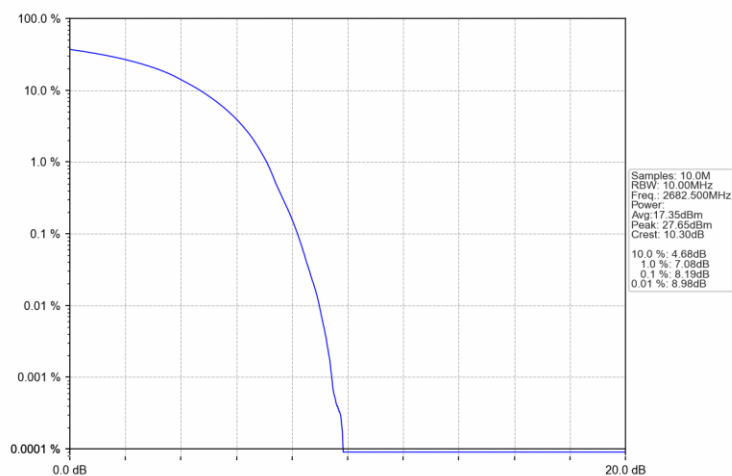
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



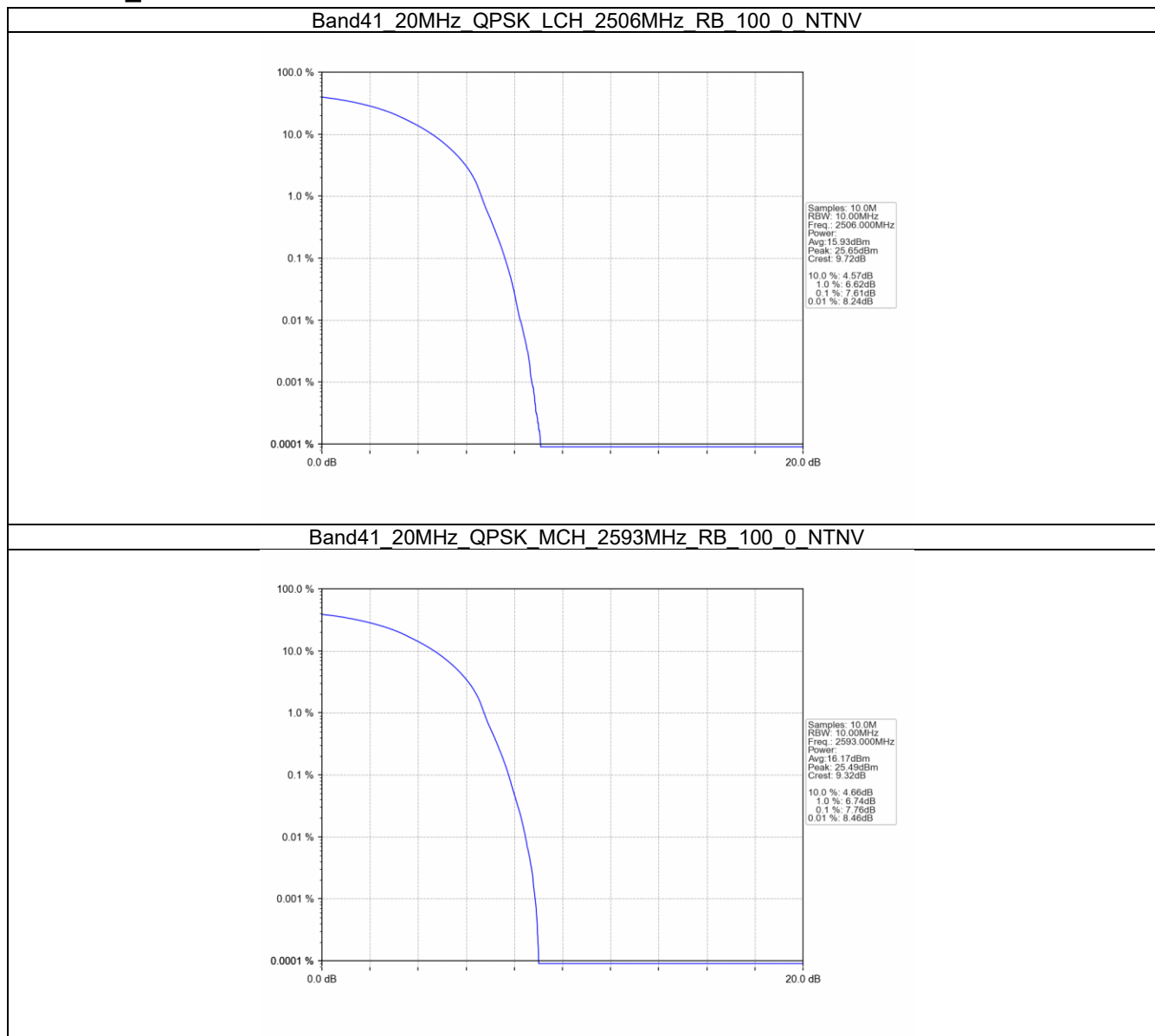
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTN



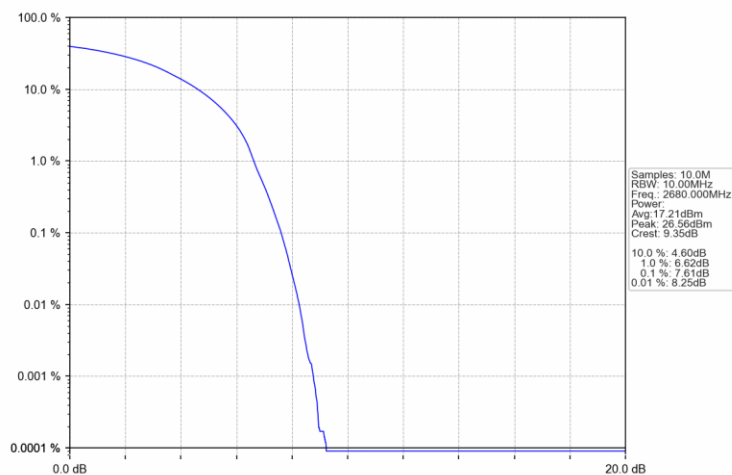
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTN



5.2.4 B41_20MHz



Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTN

