

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	22.08	0.28	22.36	<=33.01	Pass
			13	22.15	0.28	22.43	<=33.01	Pass
			24	21.77	0.28	22.05	<=33.01	Pass
		12	0	21.16	0.28	21.44	<=33.01	Pass
			6	21.16	0.28	21.44	<=33.01	Pass
			13	20.94	0.28	21.22	<=33.01	Pass
		25	0	21.12	0.28	21.40	<=33.01	Pass
	2593	1	0	23.50	0.28	23.78	<=33.01	Pass
			13	23.46	0.28	23.74	<=33.01	Pass
			24	23.71	0.28	23.99	<=33.01	Pass
		12	0	22.55	0.28	22.83	<=33.01	Pass
			6	22.63	0.28	22.91	<=33.01	Pass
			13	22.56	0.28	22.84	<=33.01	Pass
		25	0	22.54	0.28	22.82	<=33.01	Pass
	2687.5	1	0	23.14	0.28	23.42	<=33.01	Pass
			13	23.23	0.28	23.51	<=33.01	Pass
			24	23.08	0.28	23.36	<=33.01	Pass
		12	0	22.24	0.28	22.52	<=33.01	Pass
			6	22.26	0.28	22.54	<=33.01	Pass
			13	21.96	0.28	22.24	<=33.01	Pass
		25	0	22.20	0.28	22.48	<=33.01	Pass
16QAM	2498.5	1	0	21.14	0.28	21.42	<=33.01	Pass
			13	21.13	0.28	21.41	<=33.01	Pass
			24	21.00	0.28	21.28	<=33.01	Pass
		12	0	20.17	0.28	20.45	<=33.01	Pass
			6	20.15	0.28	20.43	<=33.01	Pass
			13	20.00	0.28	20.28	<=33.01	Pass
		25	0	20.04	0.28	20.32	<=33.01	Pass
	2593	1	0	22.27	0.28	22.55	<=33.01	Pass
			13	22.68	0.28	22.96	<=33.01	Pass
			24	22.38	0.28	22.66	<=33.01	Pass
		12	0	21.46	0.28	21.74	<=33.01	Pass
			6	21.54	0.28	21.82	<=33.01	Pass
			13	21.37	0.28	21.65	<=33.01	Pass
		25	0	21.56	0.28	21.84	<=33.01	Pass
	2687.5	1	0	22.03	0.28	22.31	<=33.01	Pass
			13	22.26	0.28	22.54	<=33.01	Pass
			24	22.07	0.28	22.35	<=33.01	Pass
		12	0	21.00	0.28	21.28	<=33.01	Pass
			6	21.00	0.28	21.28	<=33.01	Pass
			13	21.11	0.28	21.39	<=33.01	Pass
		25	0	21.21	0.28	21.49	<=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	22.24	0.28	22.52	<=33.01	Pass
			25	21.96	0.28	22.24	<=33.01	Pass
			49	21.84	0.28	22.12	<=33.01	Pass
		25	0	21.02	0.28	21.30	<=33.01	Pass
			13	21.03	0.28	21.31	<=33.01	Pass
			25	20.76	0.28	21.04	<=33.01	Pass
		50	0	20.92	0.28	21.20	<=33.01	Pass
	2593	1	0	23.48	0.28	23.76	<=33.01	Pass
			25	23.48	0.28	23.76	<=33.01	Pass
			49	23.78	0.28	24.06	<=33.01	Pass
		25	0	22.52	0.28	22.80	<=33.01	Pass
			13	22.67	0.28	22.95	<=33.01	Pass
			25	22.47	0.28	22.75	<=33.01	Pass
		50	0	22.41	0.28	22.69	<=33.01	Pass
	2685	1	0	23.25	0.28	23.53	<=33.01	Pass
			25	23.48	0.28	23.76	<=33.01	Pass
			49	23.06	0.28	23.34	<=33.01	Pass
		25	0	21.96	0.28	22.24	<=33.01	Pass
			13	21.95	0.28	22.23	<=33.01	Pass
			25	21.93	0.28	22.21	<=33.01	Pass
		50	0	22.14	0.28	22.42	<=33.01	Pass
16QAM	2501	1	0	21.00	0.28	21.28	<=33.01	Pass
			25	20.89	0.28	21.17	<=33.01	Pass
			49	20.57	0.28	20.85	<=33.01	Pass
		25	0	20.05	0.28	20.33	<=33.01	Pass
			13	19.93	0.28	20.21	<=33.01	Pass
			25	19.88	0.28	20.16	<=33.01	Pass
		50	0	19.87	0.28	20.15	<=33.01	Pass
	2593	1	0	22.25	0.28	22.53	<=33.01	Pass
			25	22.45	0.28	22.73	<=33.01	Pass
			49	22.73	0.28	23.01	<=33.01	Pass
		25	0	21.25	0.28	21.53	<=33.01	Pass
			13	21.61	0.28	21.89	<=33.01	Pass
			25	21.49	0.28	21.77	<=33.01	Pass
		50	0	21.54	0.28	21.82	<=33.01	Pass
	2685	1	0	21.67	0.28	21.95	<=33.01	Pass
			25	22.09	0.28	22.37	<=33.01	Pass
			49	22.22	0.28	22.50	<=33.01	Pass
		25	0	21.34	0.28	21.62	<=33.01	Pass
			13	21.44	0.28	21.72	<=33.01	Pass
			25	21.14	0.28	21.42	<=33.01	Pass
		50	0	21.41	0.28	21.69	<=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	22.09	0.28	22.37	<=33.01	Pass
			38	21.87	0.28	22.15	<=33.01	Pass
			74	21.71	0.28	21.99	<=33.01	Pass
		36	0	21.08	0.28	21.36	<=33.01	Pass
			18	20.99	0.28	21.27	<=33.01	Pass

16QAM			39	20.81	0.28	21.09	<=33.01	Pass
		75	0	21.03	0.28	21.31	<=33.01	Pass
	2593	1	0	23.30	0.28	23.58	<=33.01	Pass
			38	23.42	0.28	23.70	<=33.01	Pass
			74	23.79	0.28	24.07	<=33.01	Pass
			0	22.17	0.28	22.45	<=33.01	Pass
		36	18	22.58	0.28	22.86	<=33.01	Pass
			39	22.67	0.28	22.95	<=33.01	Pass
			75	0	22.34	0.28	22.62	<=33.01
	2682.5	1	0	23.37	0.28	23.65	<=33.01	Pass
			38	23.39	0.28	23.67	<=33.01	Pass
			74	22.84	0.28	23.12	<=33.01	Pass
			0	22.07	0.28	22.35	<=33.01	Pass
		36	18	22.31	0.28	22.59	<=33.01	Pass
			39	22.03	0.28	22.31	<=33.01	Pass
			75	0	22.37	0.28	22.65	<=33.01
16QAM	2503.5	1	0	20.96	0.28	21.24	<=33.01	Pass
			38	20.76	0.28	21.04	<=33.01	Pass
			74	20.37	0.28	20.65	<=33.01	Pass
			0	20.03	0.28	20.31	<=33.01	Pass
		36	18	19.90	0.28	20.18	<=33.01	Pass
			39	19.78	0.28	20.06	<=33.01	Pass
			75	0	19.94	0.28	20.22	<=33.01
	2593	1	0	22.15	0.28	22.43	<=33.01	Pass
			38	22.42	0.28	22.70	<=33.01	Pass
			74	22.61	0.28	22.89	<=33.01	Pass
			0	21.13	0.28	21.41	<=33.01	Pass
		36	18	21.49	0.28	21.77	<=33.01	Pass
			39	21.63	0.28	21.91	<=33.01	Pass
			75	0	21.48	0.28	21.76	<=33.01
	2682.5	1	0	22.55	0.28	22.83	<=33.01	Pass
			38	22.17	0.28	22.45	<=33.01	Pass
74			22.05	0.28	22.33	<=33.01	Pass	
0			21.45	0.28	21.73	<=33.01	Pass	
36		18	21.47	0.28	21.75	<=33.01	Pass	
		39	21.16	0.28	21.44	<=33.01	Pass	
		75	0	21.30	0.28	21.58	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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	21.07	0.28	21.35	<=33.01	Pass
			50	21.78	0.28	22.06	<=33.01	Pass
			99	21.24	0.28	21.52	<=33.01	Pass
		50	0	20.91	0.28	21.19	<=33.01	Pass
			25	20.89	0.28	21.17	<=33.01	Pass
			50	20.71	0.28	20.99	<=33.01	Pass
		100	0	20.85	0.28	21.13	<=33.01	Pass
			0	22.13	0.28	22.41	<=33.01	Pass
			50	23.70	0.28	23.98	<=33.01	Pass
	2593	1	99	23.49	0.28	23.77	<=33.01	Pass
			0	22.37	0.28	22.65	<=33.01	Pass
			25	22.37	0.28	22.65	<=33.01	Pass
		50	50	22.49	0.28	22.77	<=33.01	Pass

	2680	100	0	22.52	0.28	22.80	<=33.01	Pass		
			1	0	22.43	0.28	22.71	<=33.01	Pass	
				50	23.61	0.28	23.89	<=33.01	Pass	
				99	22.85	0.28	23.13	<=33.01	Pass	
		50		0	22.53	0.28	22.81	<=33.01	Pass	
			25	22.27	0.28	22.55	<=33.01	Pass		
			50	22.14	0.28	22.42	<=33.01	Pass		
		100	0	22.31	0.28	22.59	<=33.01	Pass		
		16QAM	2506	1	0	20.18	0.28	20.46	<=33.01	Pass
					50	20.51	0.28	20.79	<=33.01	Pass
99	20.22				0.28	20.50	<=33.01	Pass		
50	0			19.96	0.28	20.24	<=33.01	Pass		
	25			19.84	0.28	20.12	<=33.01	Pass		
	50			19.71	0.28	19.99	<=33.01	Pass		
100	0			19.70	0.28	19.98	<=33.01	Pass		
2593	1		0	20.93	0.28	21.21	<=33.01	Pass		
			50	22.84	0.28	23.12	<=33.01	Pass		
			99	22.95	0.28	23.23	<=33.01	Pass		
	50		0	21.08	0.28	21.36	<=33.01	Pass		
			25	21.40	0.28	21.68	<=33.01	Pass		
			50	21.67	0.28	21.95	<=33.01	Pass		
	100		0	21.48	0.28	21.76	<=33.01	Pass		
2680	1		0	21.63	0.28	21.91	<=33.01	Pass		
			50	22.64	0.28	22.92	<=33.01	Pass		
			99	22.01	0.28	22.29	<=33.01	Pass		
	50		0	21.70	0.28	21.98	<=33.01	Pass		
			25	21.60	0.28	21.88	<=33.01	Pass		
		50	21.37	0.28	21.65	<=33.01	Pass			
	100	0	21.54	0.28	21.82	<=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	-38.323	-0.0153	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	-14.977	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-10.600	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-6.194	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.276	-0.0013	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	-9.484	-0.0037	-2.5 to 2.5	Pass
					3.85	-12.732	-0.0049	-2.5 to 2.5	Pass
					4.43	-15.850	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-9.127	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	5.150	0.0020	-2.5 to 2.5	Pass

16QAM	2687.5	25	0	-10	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0003	-2.5 to 2.5	Pass
				30	3.85	-11.888	-0.0046	-2.5 to 2.5	Pass
				40	3.85	5.679	0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-3.662	-0.0014	-2.5 to 2.5	Pass
					3.85	-22.831	-0.0085	-2.5 to 2.5	Pass
					4.43	-19.312	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-45.705	-0.0170	-2.5 to 2.5	Pass
	2498.5	25	0	-20	3.85	-53.101	-0.0198	-2.5 to 2.5	Pass
				-10	3.85	-51.370	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-58.508	-0.0218	-2.5 to 2.5	Pass
				10	3.85	-50.411	-0.0188	-2.5 to 2.5	Pass
				30	3.85	-57.850	-0.0215	-2.5 to 2.5	Pass
				40	3.85	-53.473	-0.0199	-2.5 to 2.5	Pass
				50	3.85	-36.492	-0.0136	-2.5 to 2.5	Pass
				20	3.27	-8.926	-0.0036	-2.5 to 2.5	Pass
					3.85	5.465	0.0022	-2.5 to 2.5	Pass
					4.43	4.492	0.0018	-2.5 to 2.5	Pass
16QAM	2593	25	0	-30	3.85	-13.075	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	1.187	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.818	0.0011	-2.5 to 2.5	Pass
				10	3.85	5.322	0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-1.631	-0.0006	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0014	-2.5 to 2.5	Pass
					4.43	3.576	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.190	0.0012	-2.5 to 2.5	Pass
				-10	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				0	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				10	3.85	6.995	0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				40	3.85	5.307	0.0020	-2.5 to 2.5	Pass
				50	3.85	0.558	0.0002	-2.5 to 2.5	Pass
	2498.5	25	0	20	3.27	-37.107	-0.0138	-2.5 to 2.5	Pass
					3.85	-18.926	-0.0070	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	5.264	0.0020	-2.5 to 2.5	Pass
				-10	3.85	4.663	0.0017	-2.5 to 2.5	Pass
				0	3.85	7.267	0.0027	-2.5 to 2.5	Pass
				10	3.85	3.948	0.0015	-2.5 to 2.5	Pass
				30	3.85	10.672	0.0040	-2.5 to 2.5	Pass
				40	3.85	7.725	0.0029	-2.5 to 2.5	Pass
				50	3.85	21.558	0.0080	-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	-7.010	-0.0028	-2.5 to 2.5	Pass

					3.85	-9.270	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-9.012	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.176	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0020	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				40	3.85	-6.866	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-13.232	-0.0053	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-7.353	-0.0028	-2.5 to 2.5	Pass
					3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				4.43	-3.147	-0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-9.427	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-5.765	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
	50	3.85	-9.584	-0.0037	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-3.920	-0.0015	-2.5 to 2.5	Pass
					3.85	-6.938	-0.0026	-2.5 to 2.5	Pass
				4.43	-3.476	-0.0013	-2.5 to 2.5	Pass	
				-30	3.85	-14.520	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.237	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-14.434	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-10.486	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-15.092	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0029	-2.5 to 2.5	Pass
50	3.85	-6.809	-0.0025	-2.5 to 2.5	Pass				
16QAM	2501	50	0	20	3.27	-12.803	-0.0051	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				4.43	-5.522	-0.0022	-2.5 to 2.5	Pass	
				-30	3.85	-5.236	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-8.841	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0017	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
	50	3.85	-8.726	-0.0035	-2.5 to 2.5	Pass			
	2593	50	0	20	3.27	-8.283	-0.0032	-2.5 to 2.5	Pass
					3.85	-16.422	-0.0063	-2.5 to 2.5	Pass
				4.43	-5.221	-0.0020	-2.5 to 2.5	Pass	
				-30	3.85	-5.894	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-8.512	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-10.443	-0.0040	-2.5 to 2.5	Pass
	50	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-1.445	-0.0005	-2.5 to 2.5	Pass
					3.85	0.687	0.0003	-2.5 to 2.5	Pass
				4.43	-14.277	-0.0053	-2.5 to 2.5	Pass	
-30				3.85	-6.223	-0.0023	-2.5 to 2.5	Pass	

				-20	3.85	-8.125	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.807	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-8.626	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0019	-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	-6.509	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
					4.43	-8.054	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.285	-0.0041	-2.5 to 2.5	Pass
				10	3.85	2.718	0.0011	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-4.907	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.702	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-6.223	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.852	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				50	3.85	1.073	0.0004	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-6.294	-0.0023	-2.5 to 2.5	Pass
					3.85	1.888	0.0007	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-6.280	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.459	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.133	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-11.373	-0.0042	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-9.727	-0.0039	-2.5 to 2.5	Pass
					3.85	-12.074	-0.0048	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-10.099	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0005	-2.5 to 2.5	Pass

	2593	75	0	20	3.27	0.629	0.0002	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.945	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.336	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-10.057	-0.0039	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	0.744	0.0003	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0036	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.988	0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.136	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-4.549	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0019	-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	-6.280	-0.0025	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-8.354	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
					4.43	-10.200	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				10	3.85	6.781	0.0026	-2.5 to 2.5	Pass
				30	3.85	-9.370	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0025	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-9.184	-0.0034	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0015	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-8.540	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.831	-0.0007	-2.5 to 2.5	Pass

16QAM	2506	100	0	10	3.85	-9.842	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-9.599	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-10.757	-0.0040	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				20	3.27	-6.251	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0017	-2.5 to 2.5	Pass
					4.43	-12.589	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0028	-2.5 to 2.5	Pass
	2593	100	0	0	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.662	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.436	-0.0022	-2.5 to 2.5	Pass
				20	3.27	2.189	0.0008	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.85	4.392	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0028	-2.5 to 2.5	Pass
	2680	100	0	-10	3.85	1.144	0.0004	-2.5 to 2.5	Pass
				0	3.85	-12.374	-0.0048	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-7.339	-0.0028	-2.5 to 2.5	Pass
				20	3.27	-2.489	-0.0009	-2.5 to 2.5	Pass
					3.85	-9.942	-0.0037	-2.5 to 2.5	Pass
					4.43	-1.488	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-12.531	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				0	3.85	3.018	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-7.167	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0023	-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	
		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	RB Allocation		Modulation Characteristics
				Verdict

	(MHz)	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

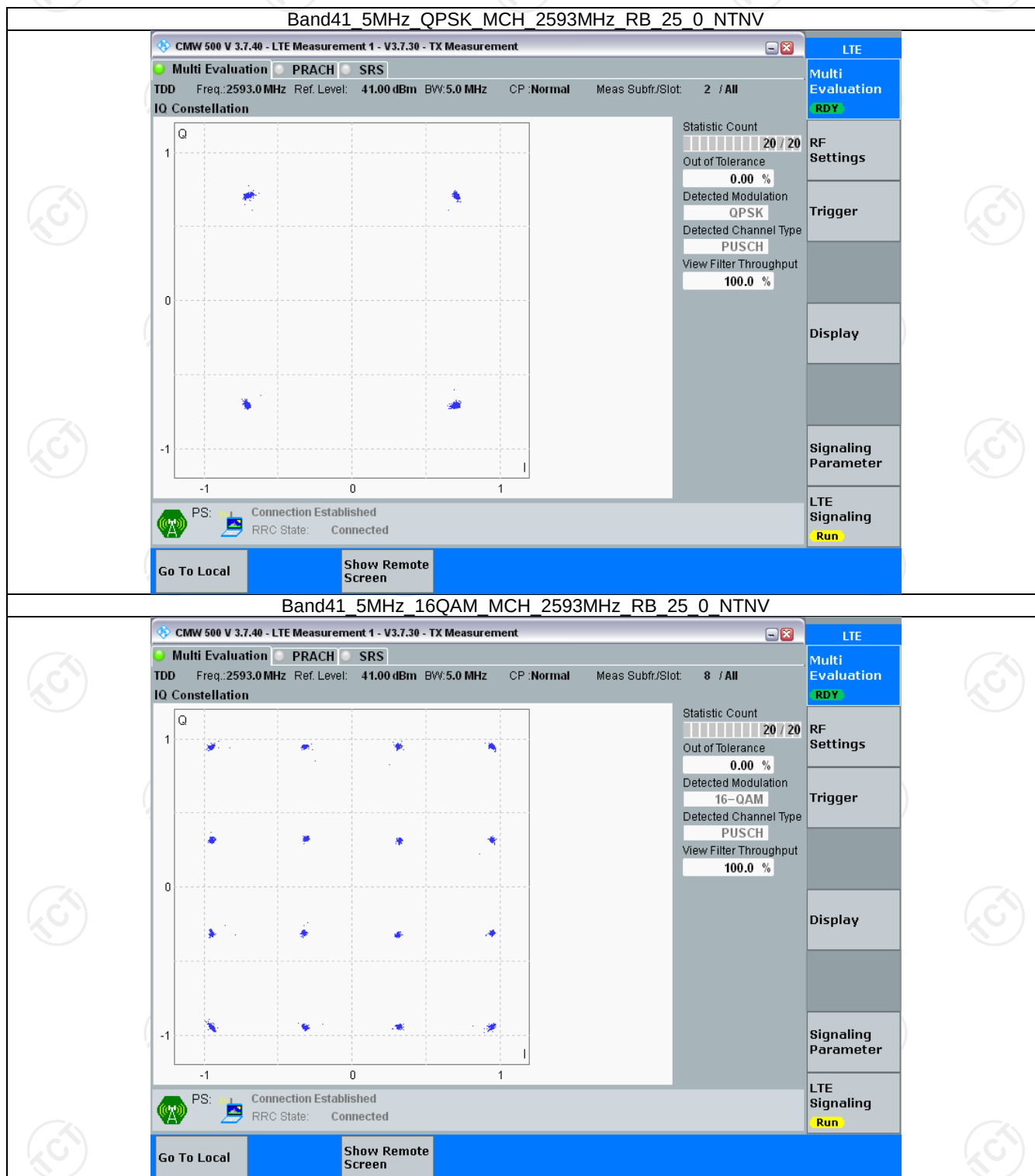
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

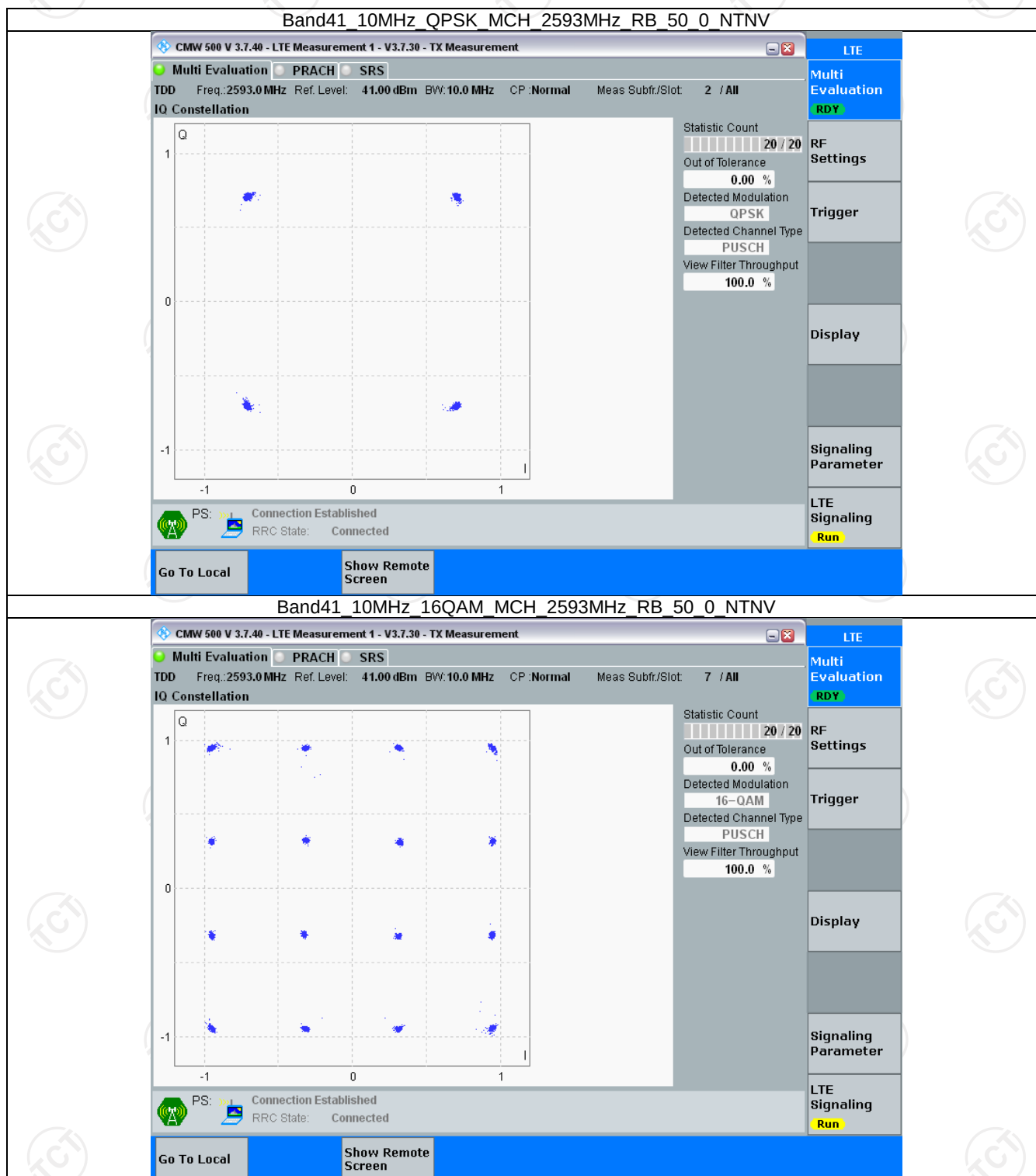
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

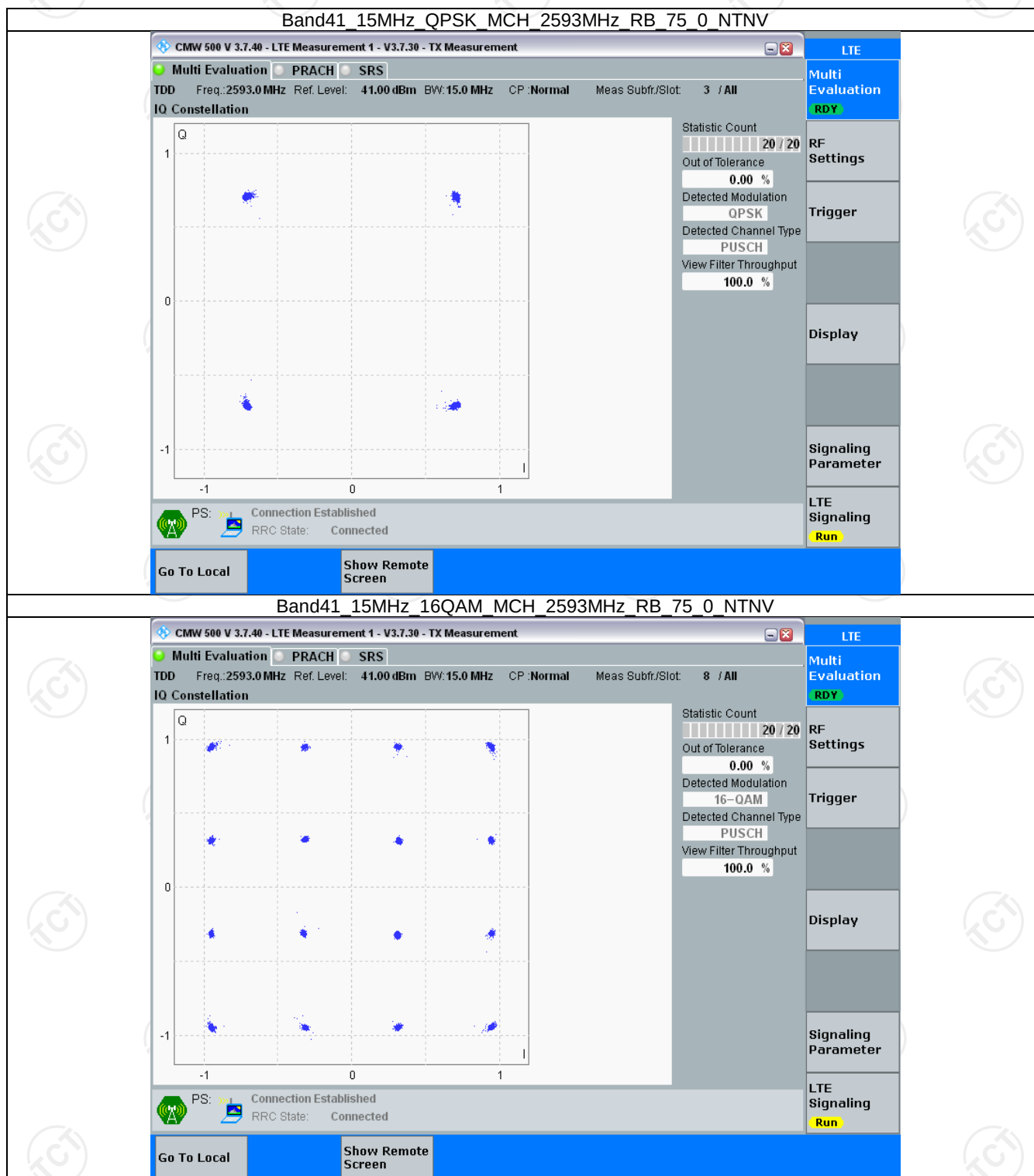
3.2.1 B41_5MHz



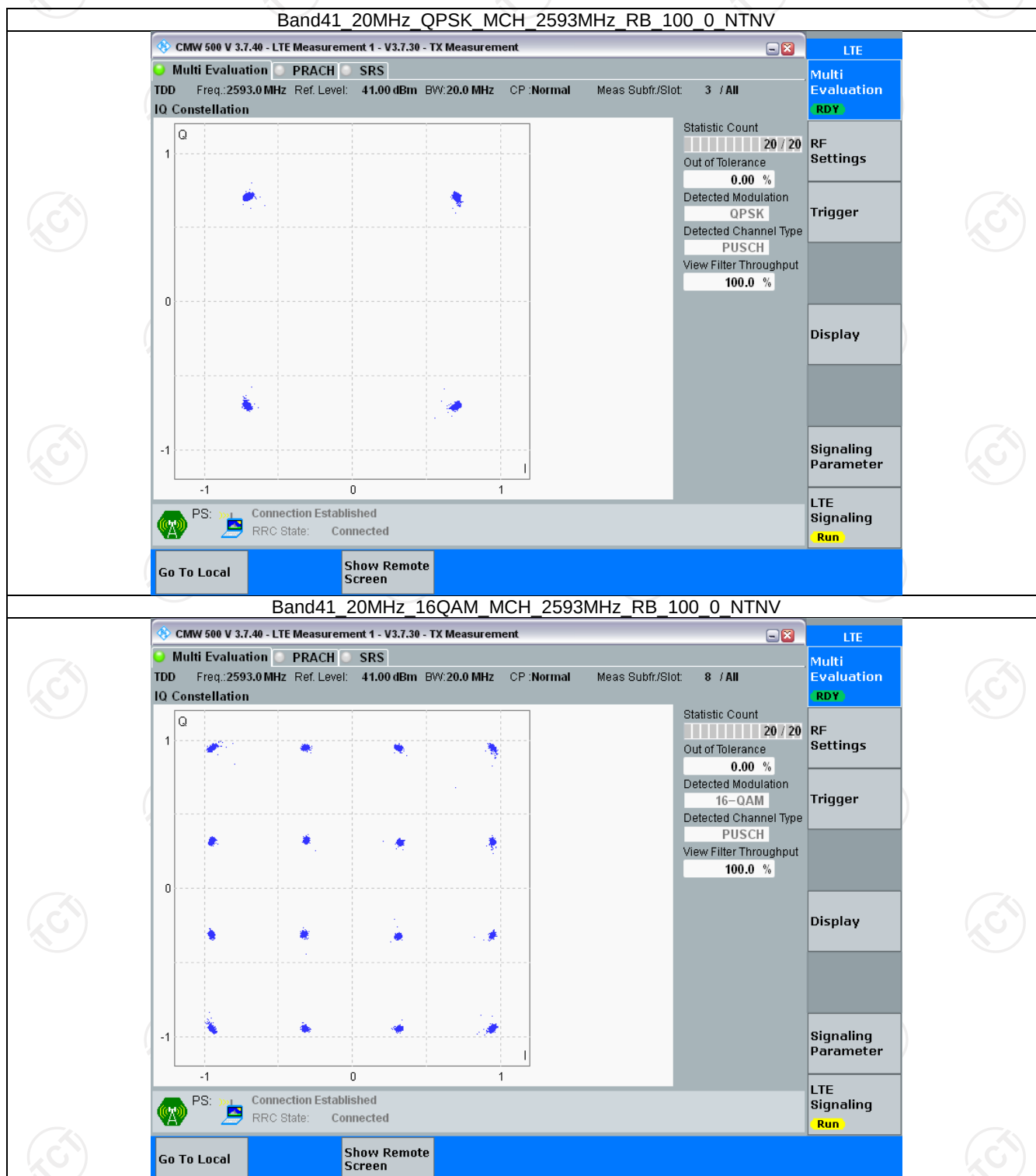
3.2.2 B41_10MHz



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	4.550	/	Pass
		2593	25	0	4.536	/	Pass
		2687.5	25	0	4.559	/	Pass
	16QAM	2498.5	25	0	4.534	/	Pass
		2593	25	0	4.546	/	Pass
		2687.5	25	0	4.567	/	Pass
10	QPSK	2501	50	0	9.071	/	Pass
		2593	50	0	9.064	/	Pass
		2685	50	0	9.078	/	Pass
	16QAM	2501	50	0	9.058	/	Pass
		2593	50	0	9.032	/	Pass
		2685	50	0	9.099	/	Pass
15	QPSK	2503.5	75	0	13.540	/	Pass
		2593	75	0	13.558	/	Pass
		2682.5	75	0	13.643	/	Pass
	16QAM	2503.5	75	0	13.624	/	Pass
		2593	75	0	13.540	/	Pass
		2682.5	75	0	13.578	/	Pass
20	QPSK	2506	100	0	18.088	/	Pass
		2593	100	0	18.058	/	Pass
		2680	100	0	18.109	/	Pass
	16QAM	2506	100	0	18.141	/	Pass
		2593	100	0	18.101	/	Pass
		2680	100	0	18.110	/	Pass

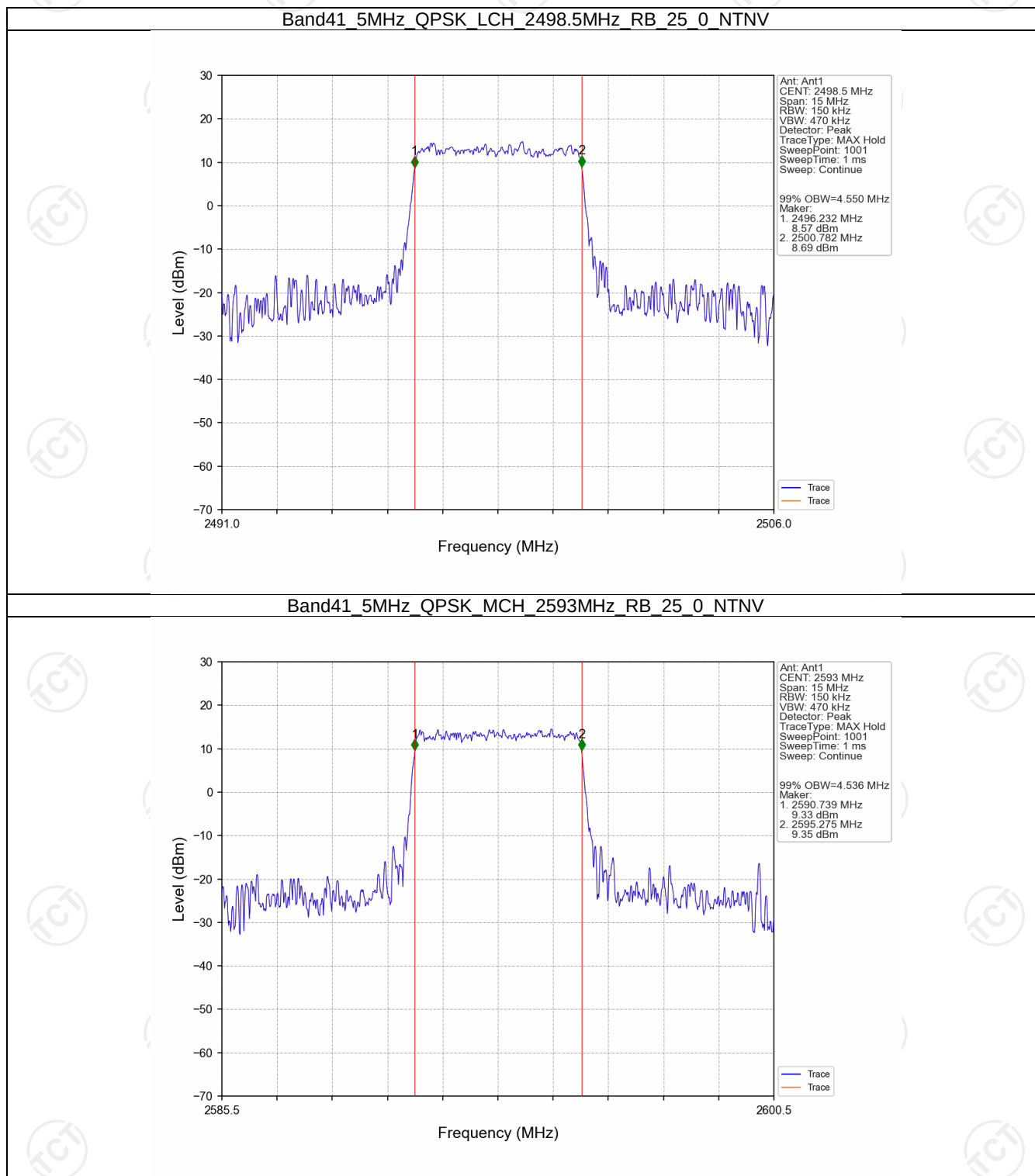
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.145	/	Pass
		2593	25	0	5.112	/	Pass
		2687.5	25	0	4.986	/	Pass
	16QAM	2498.5	25	0	5.052	/	Pass
		2593	25	0	5.146	/	Pass
		2687.5	25	0	5.720	/	Pass
10	QPSK	2501	50	0	9.907	/	Pass
		2593	50	0	10.176	/	Pass
		2685	50	0	9.878	/	Pass
	16QAM	2501	50	0	10.525	/	Pass
		2593	50	0	9.912	/	Pass
		2685	50	0	9.886	/	Pass
15	QPSK	2503.5	75	0	14.906	/	Pass
		2593	75	0	16.964	/	Pass

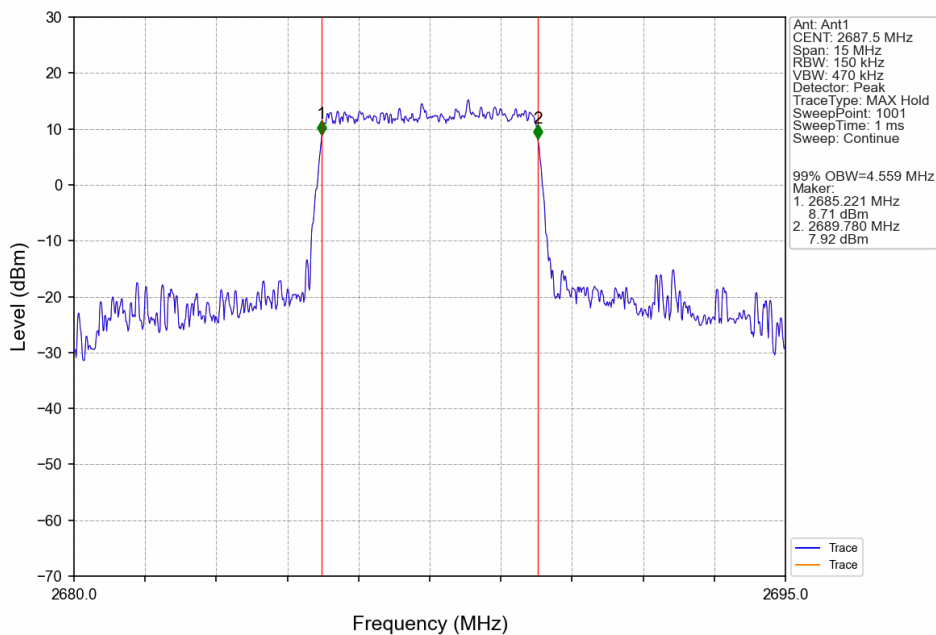
	16QAM	2682.5	75	0	16.022	/	Pass
		2503.5	75	0	16.966	/	Pass
		2593	75	0	14.813	/	Pass
		2682.5	75	0	15.292	/	Pass
20	QPSK	2506	100	0	19.806	/	Pass
		2593	100	0	20.603	/	Pass
		2680	100	0	19.659	/	Pass
	16QAM	2506	100	0	19.620	/	Pass
		2593	100	0	21.185	/	Pass
		2680	100	0	19.804	/	Pass

4.2 Test Graph

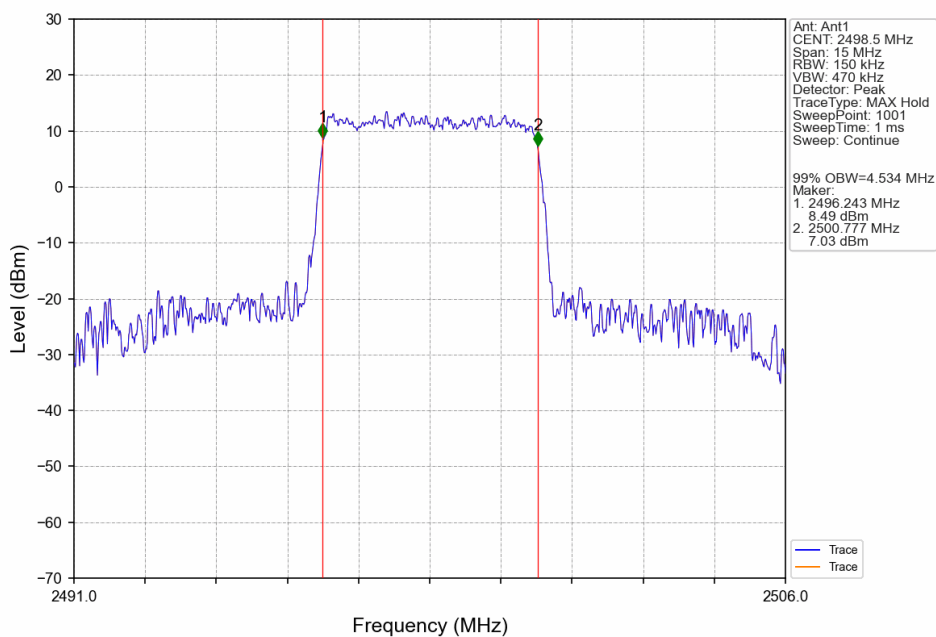
4.2.1 Band41_OBW



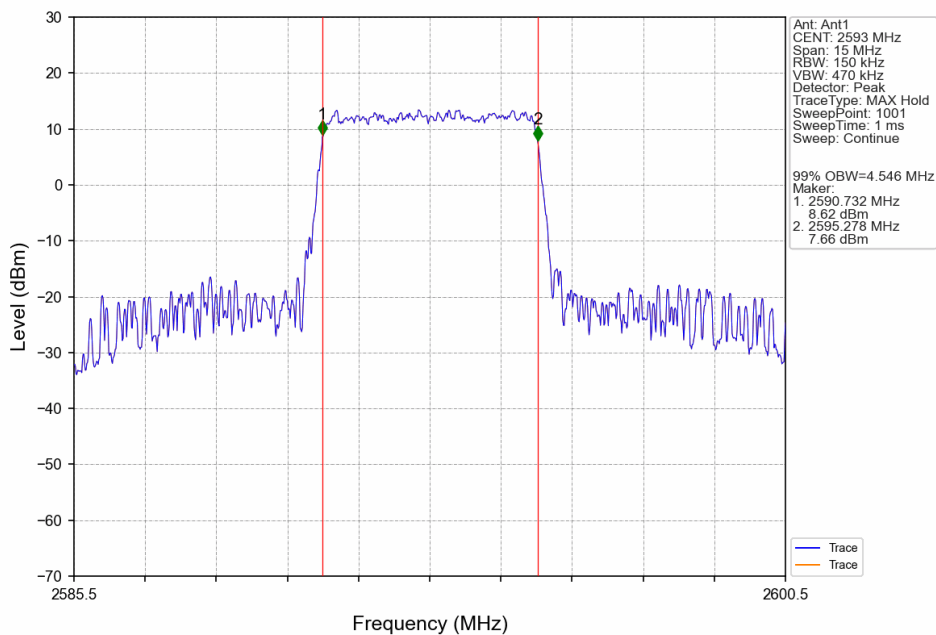
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



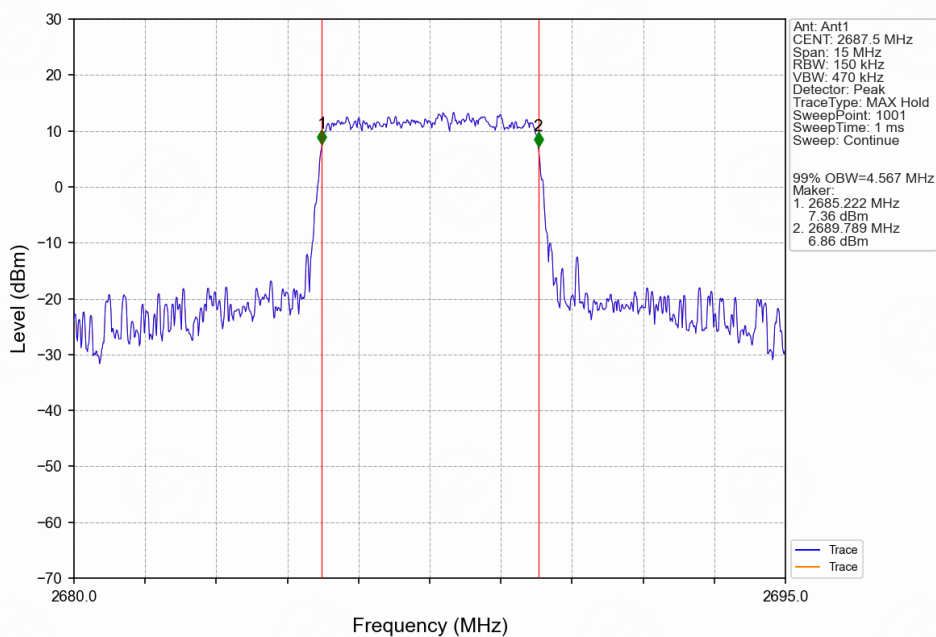
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



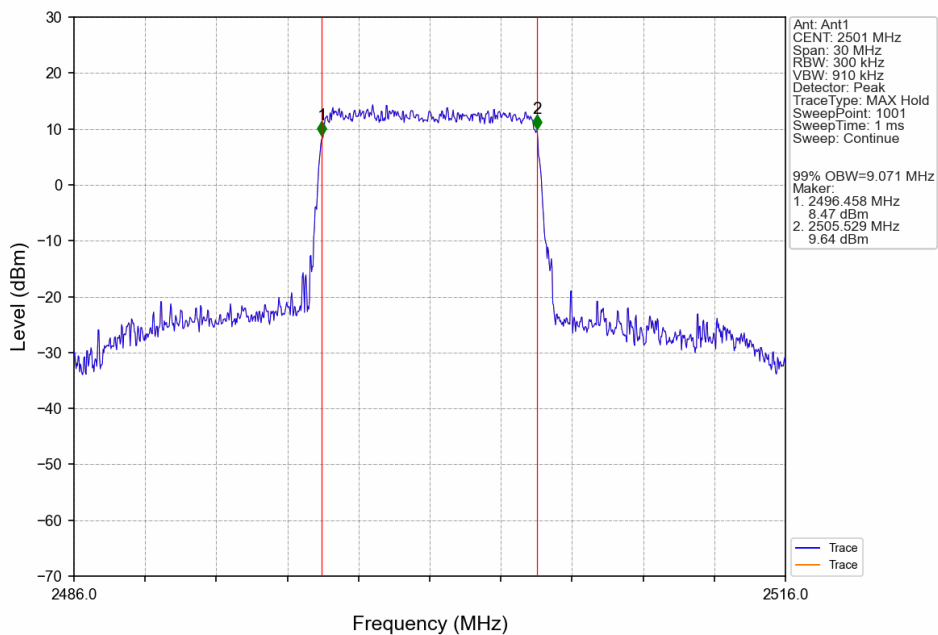
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



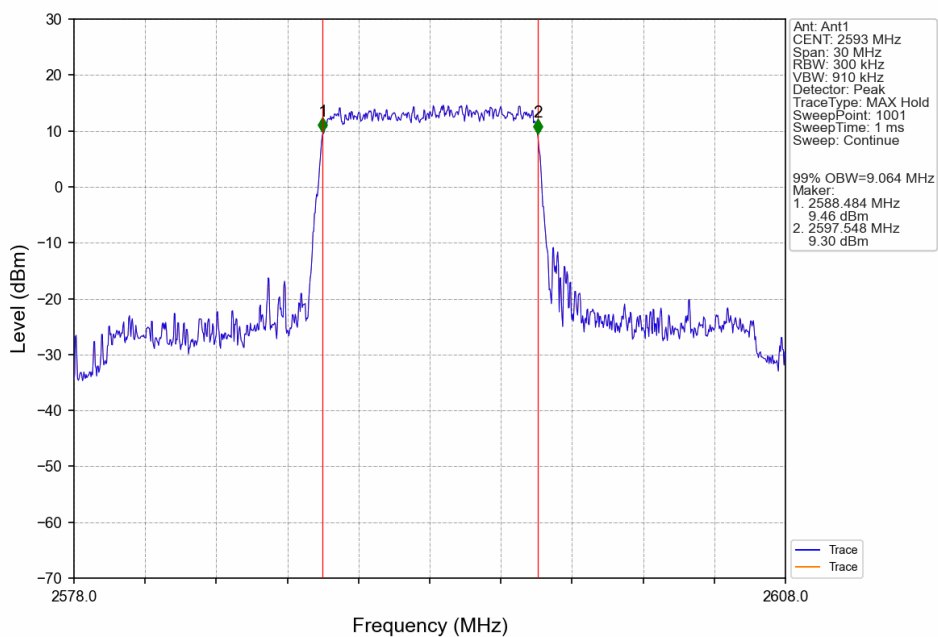
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



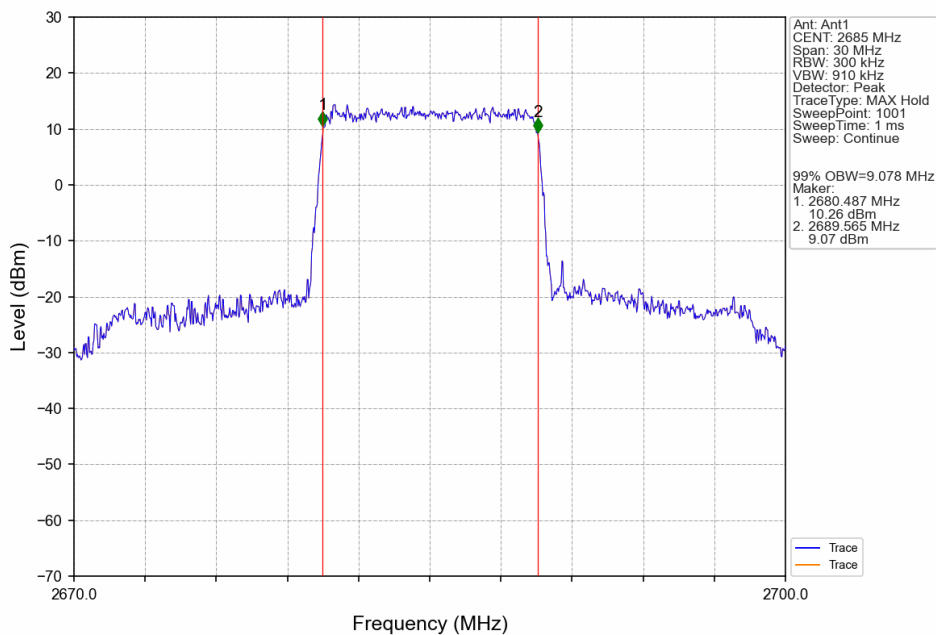
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



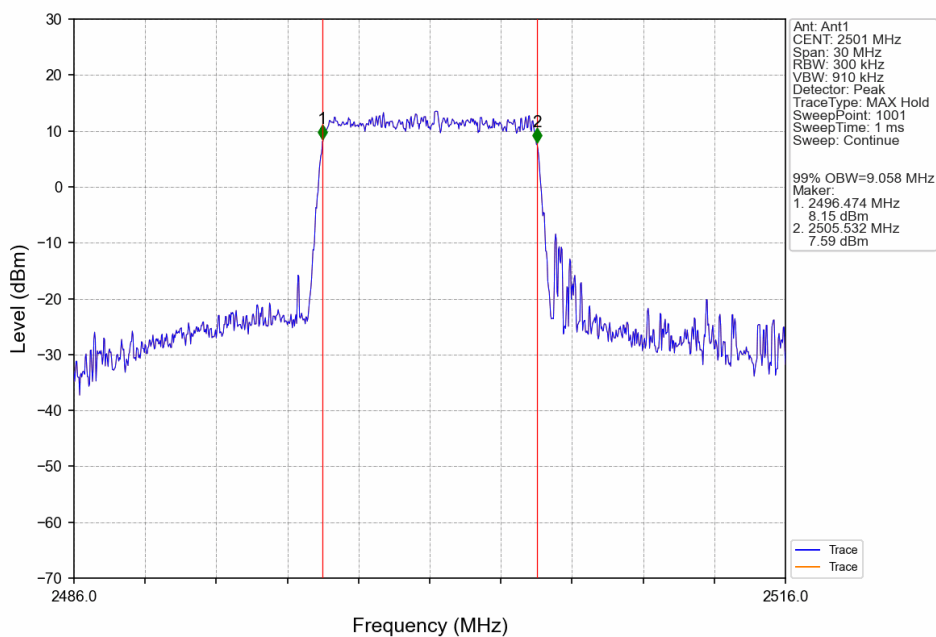
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



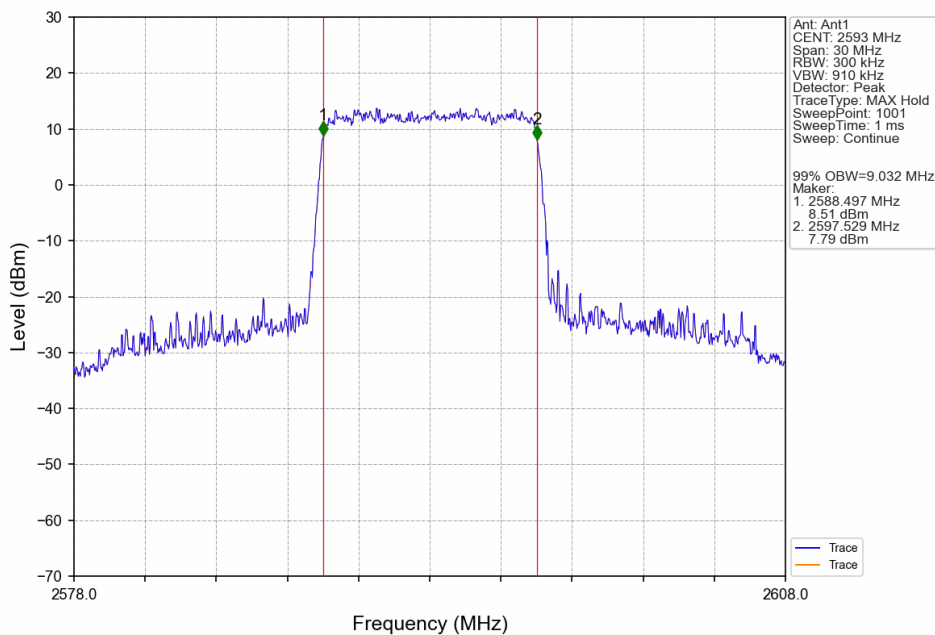
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



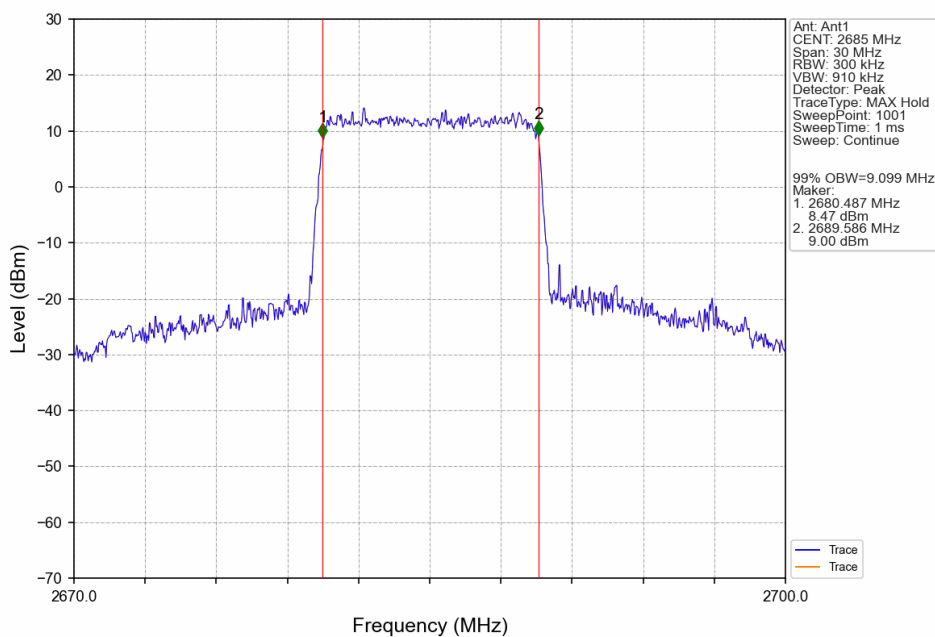
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



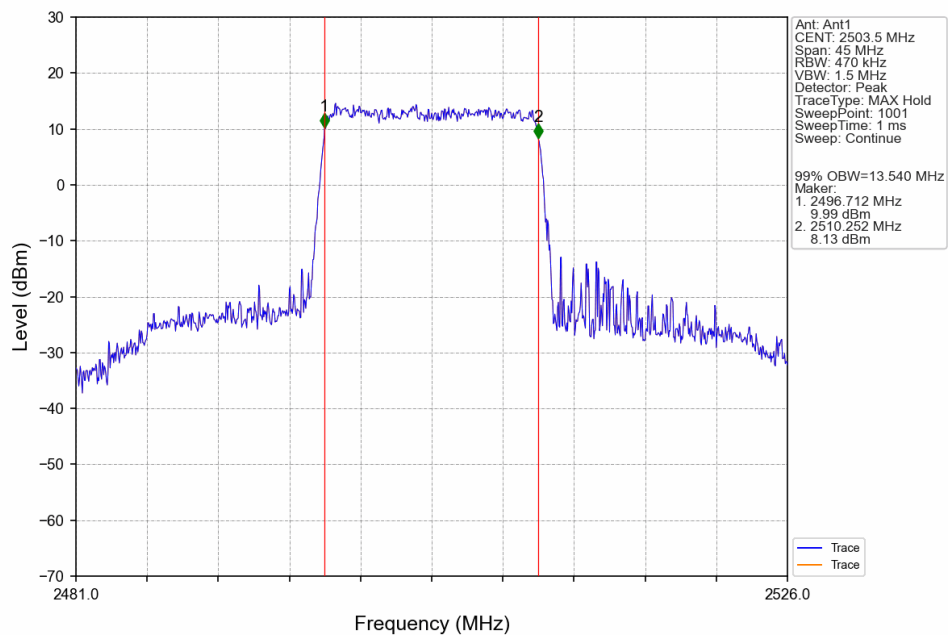
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



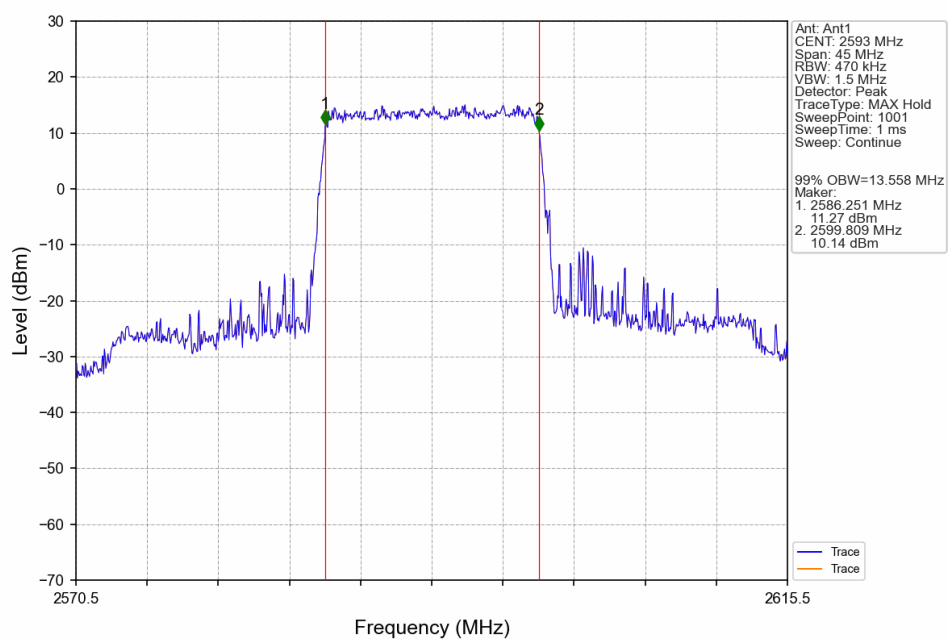
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



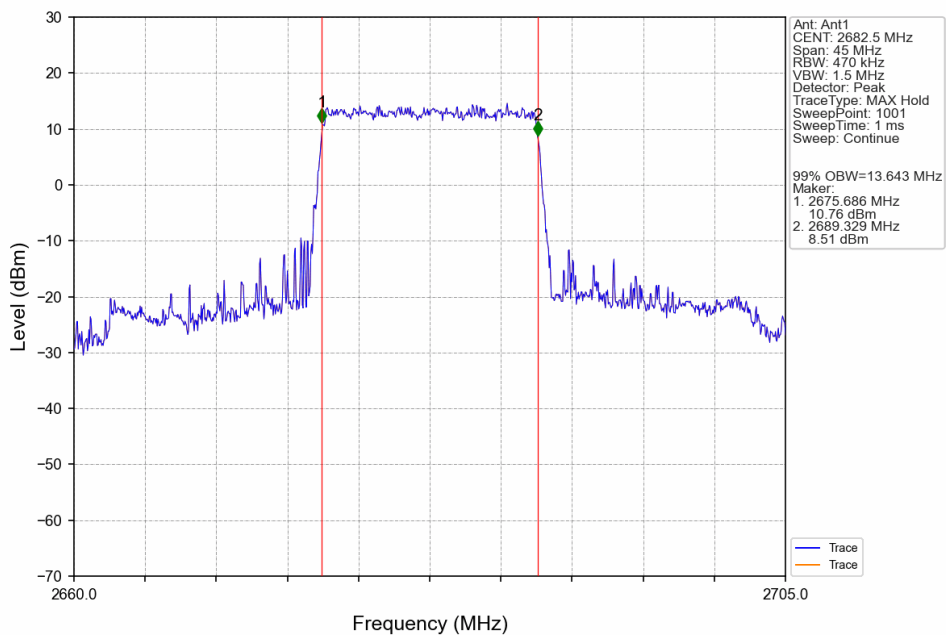
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



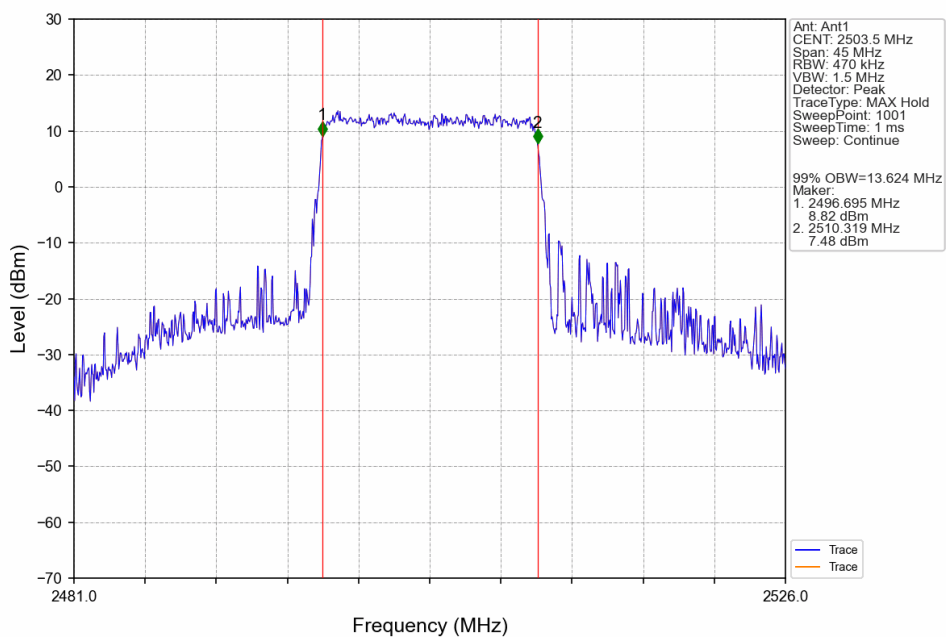
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



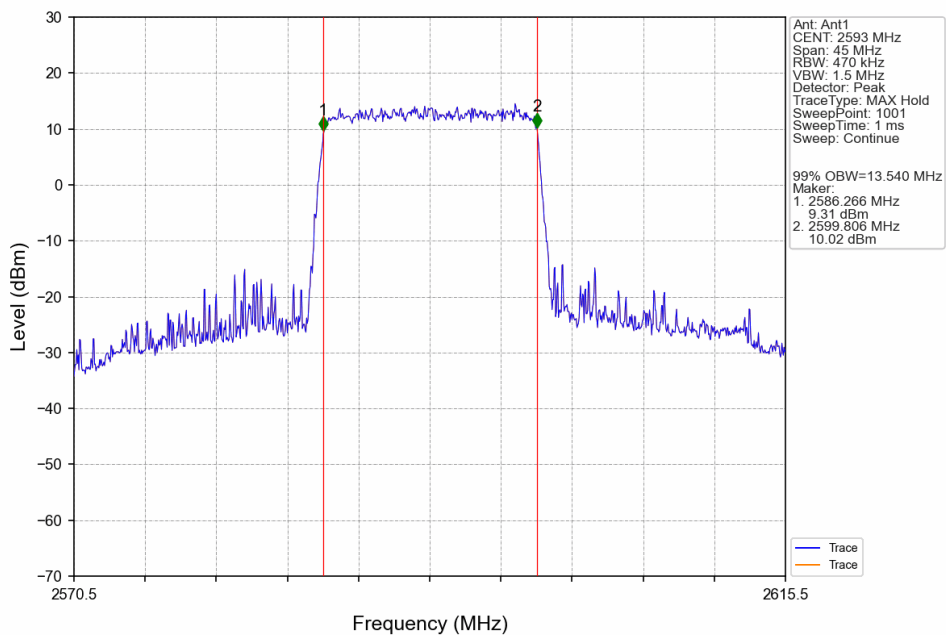
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



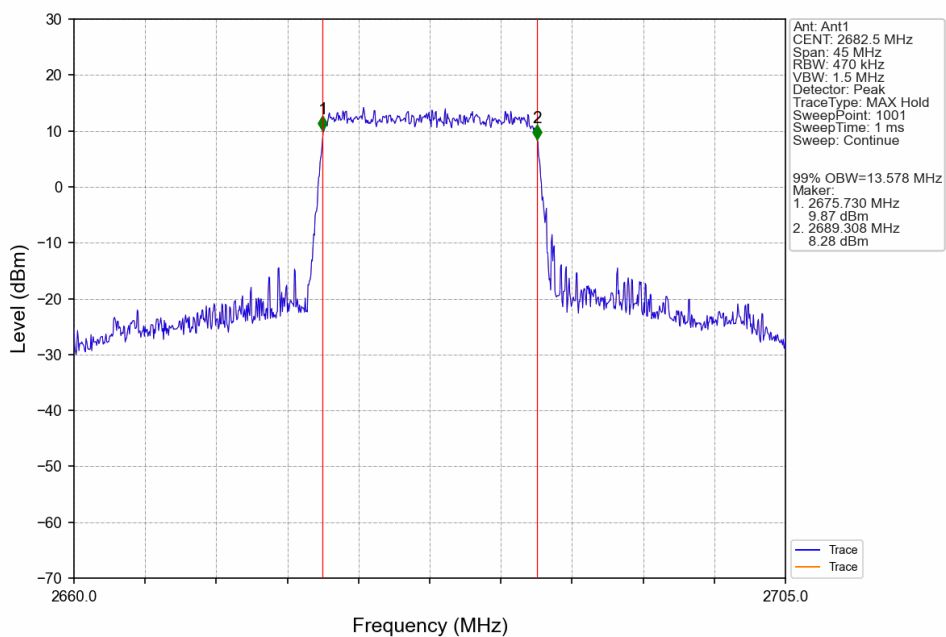
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



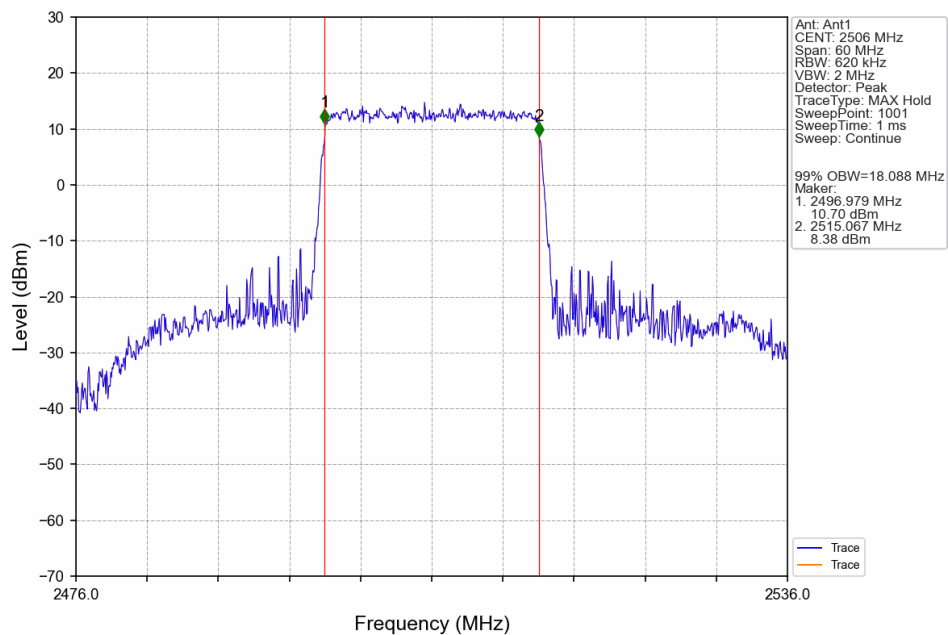
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



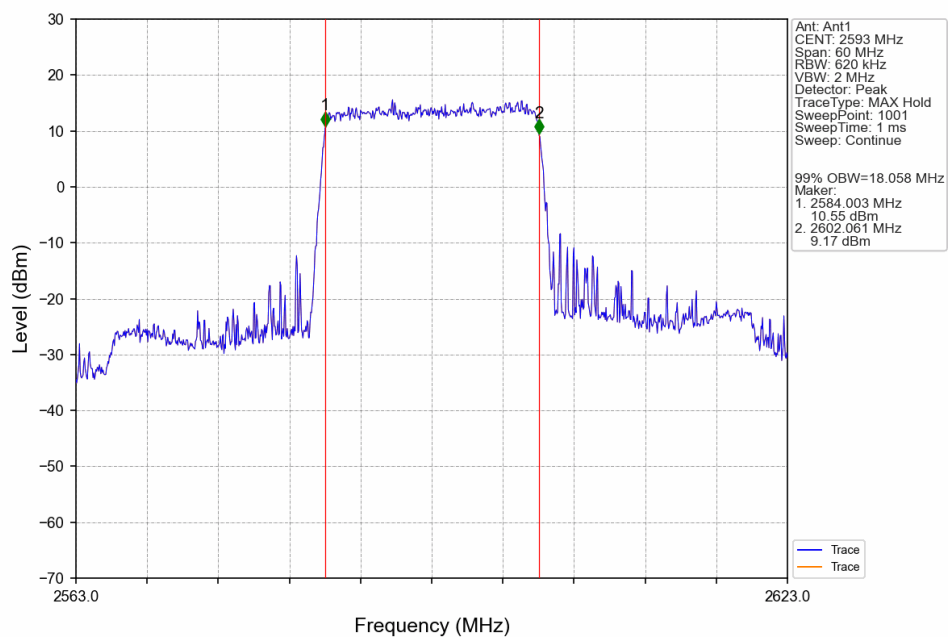
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



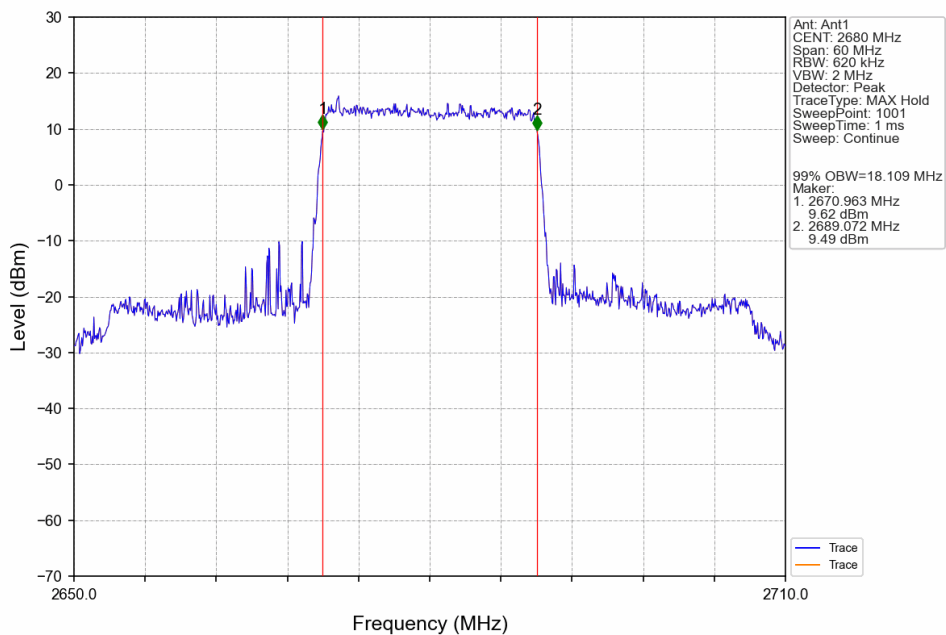
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



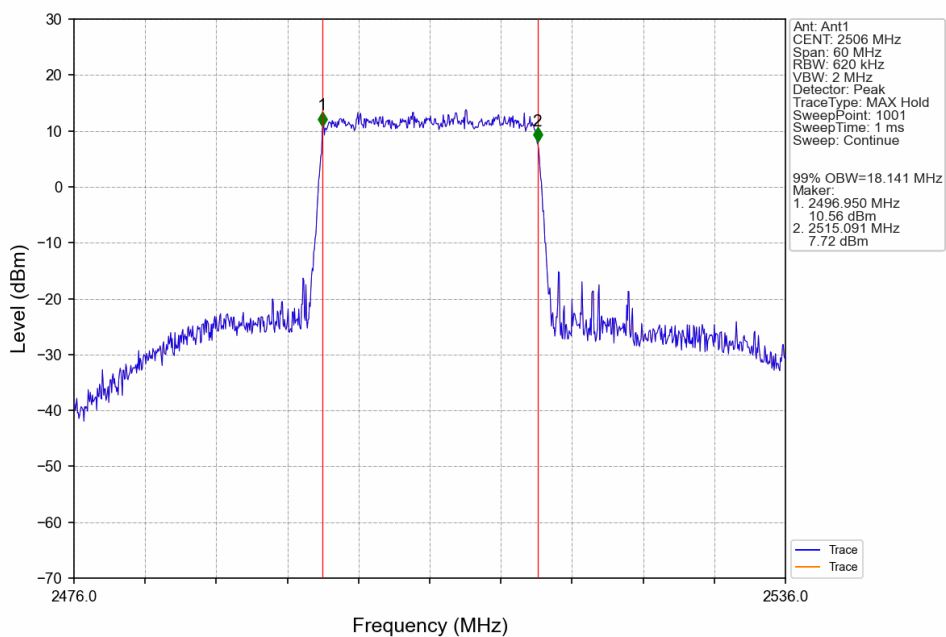
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



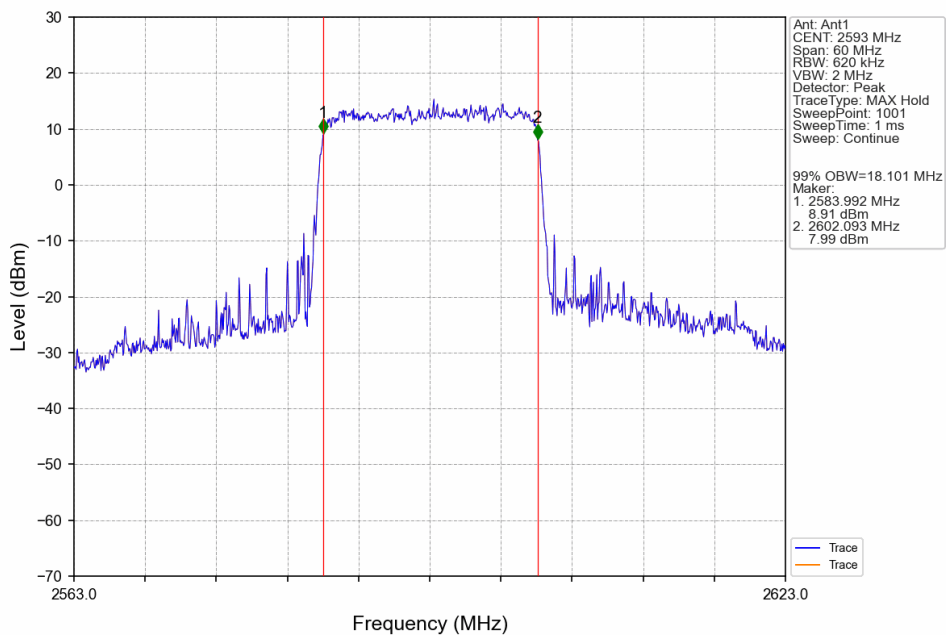
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



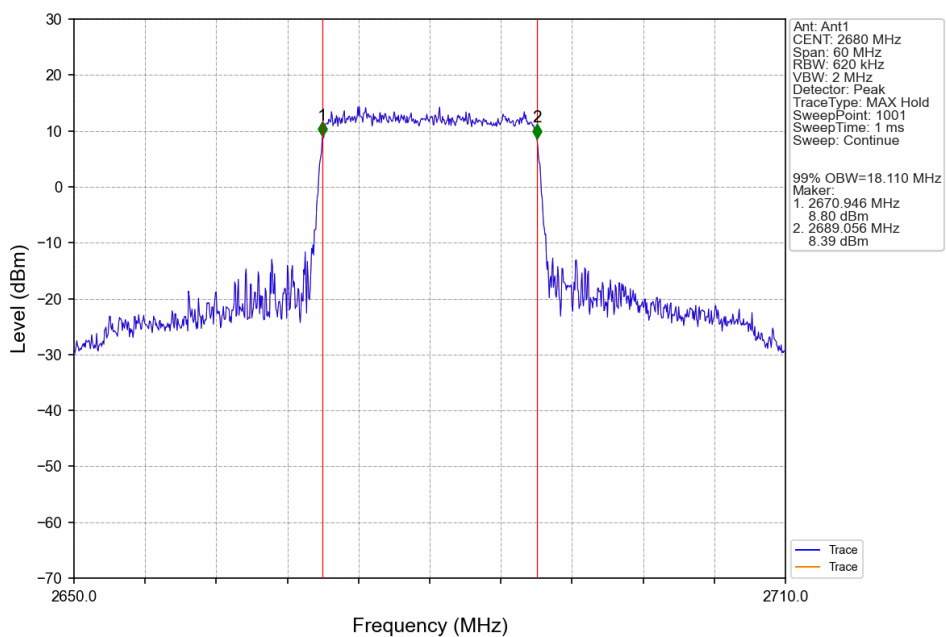
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



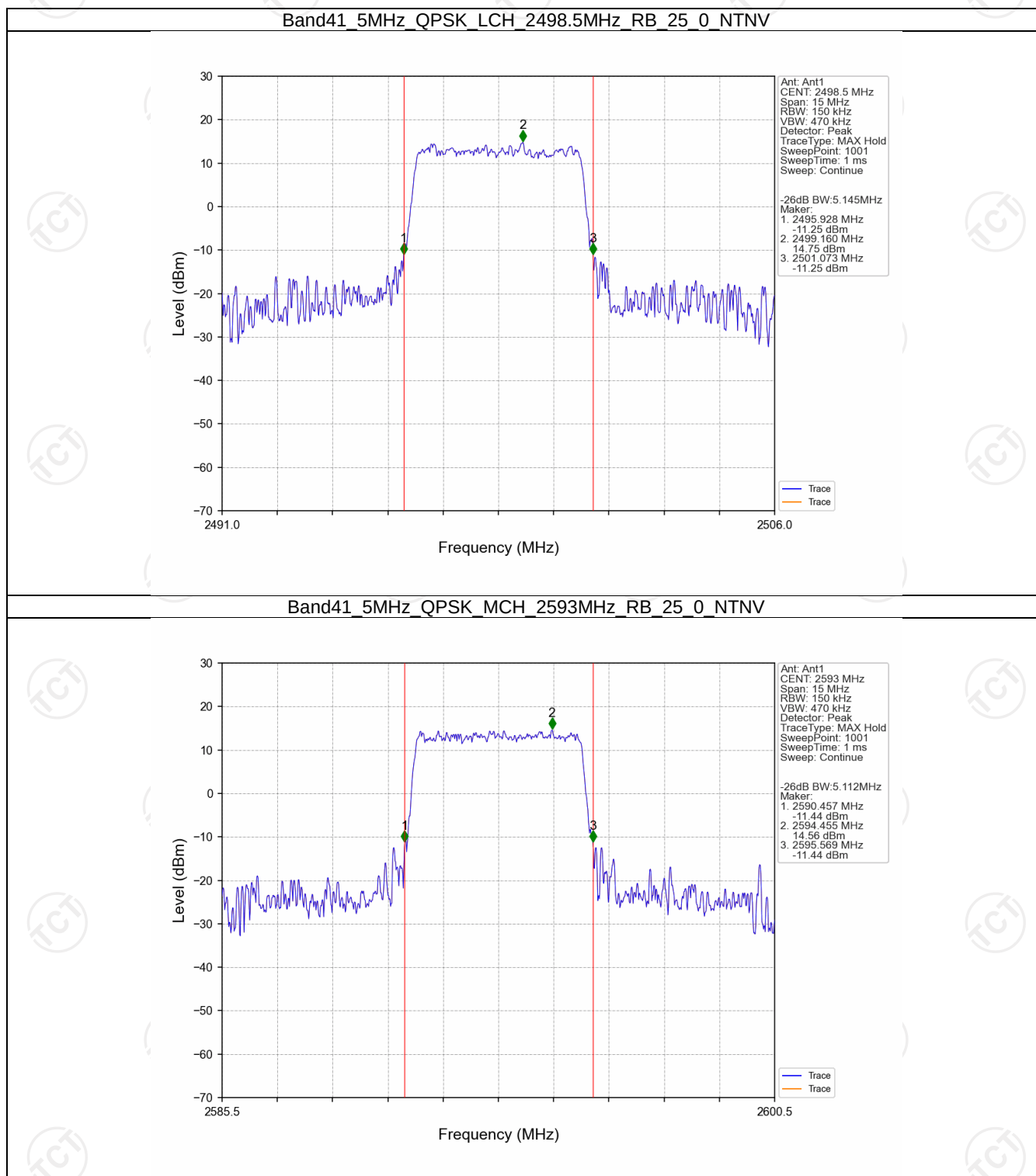
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



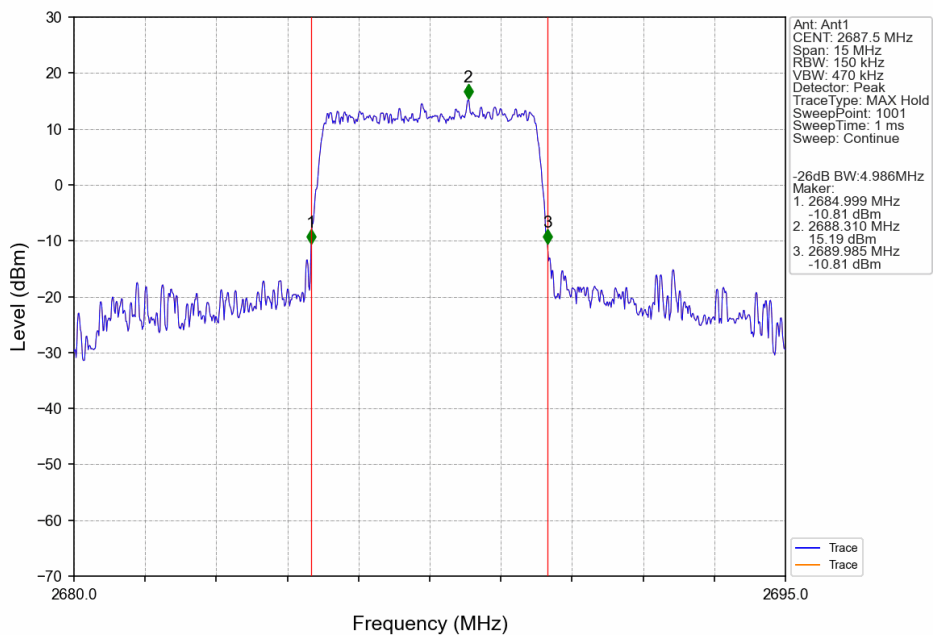
Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



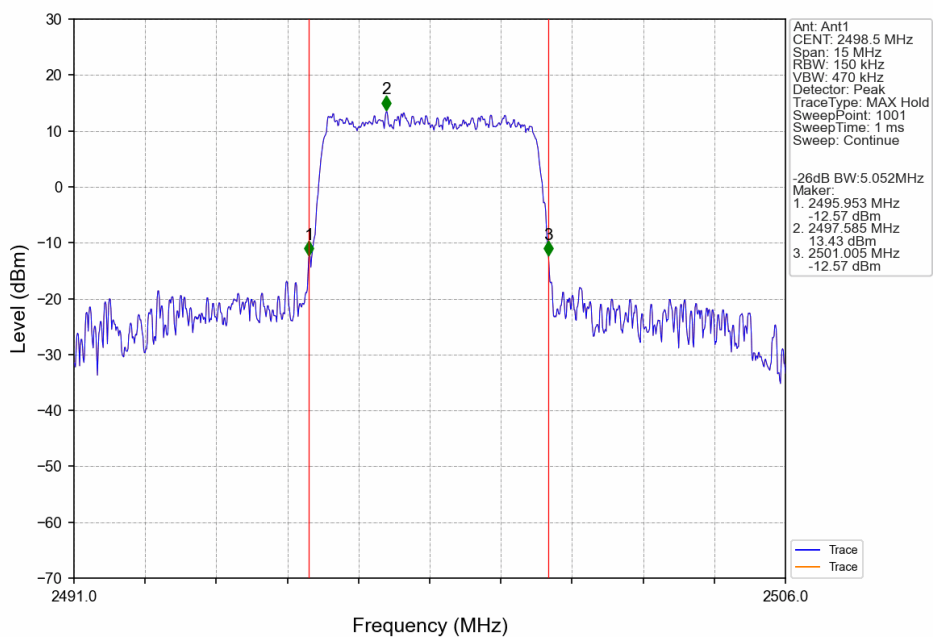
4.2.2 Band41_XDB



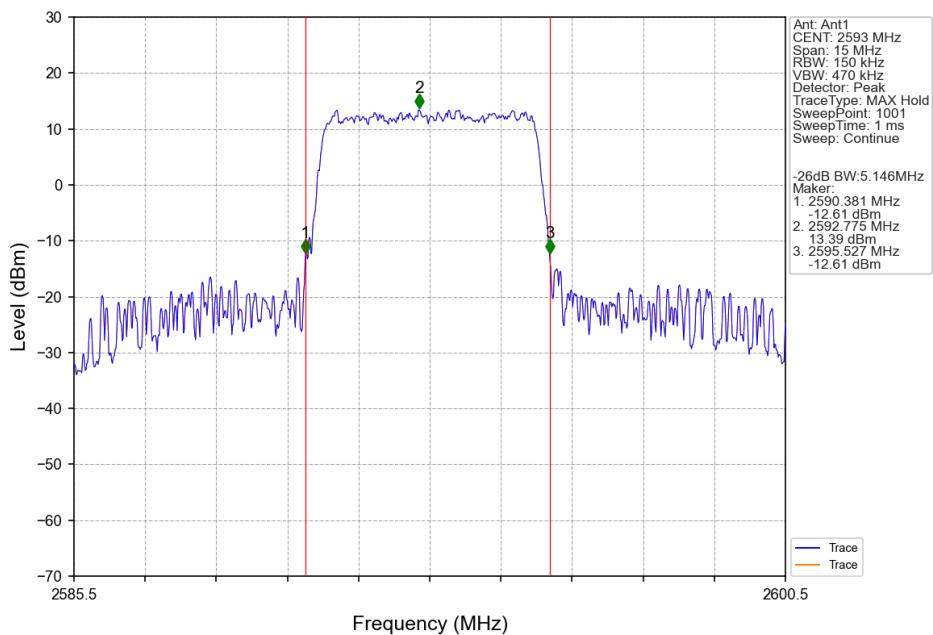
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



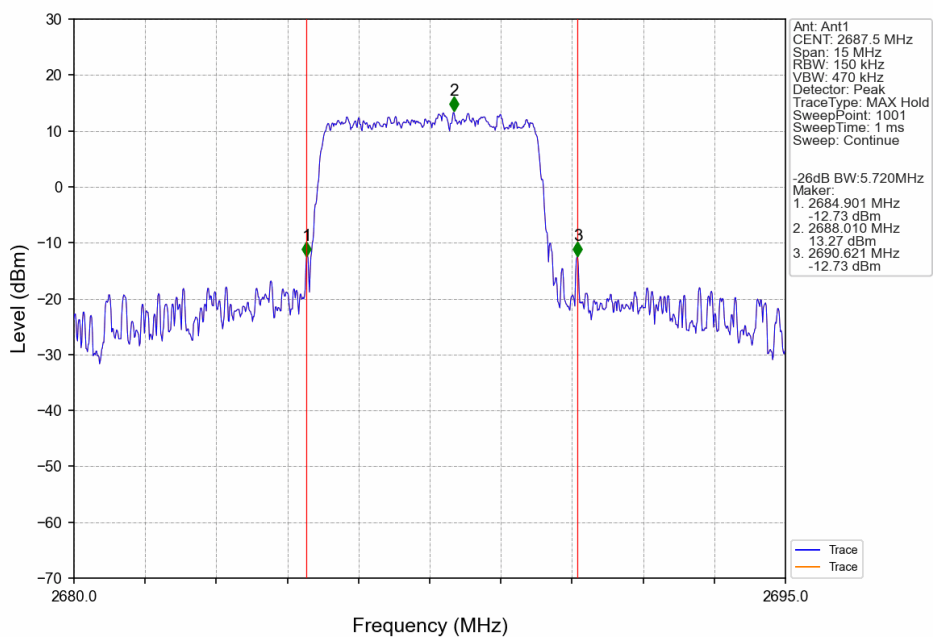
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



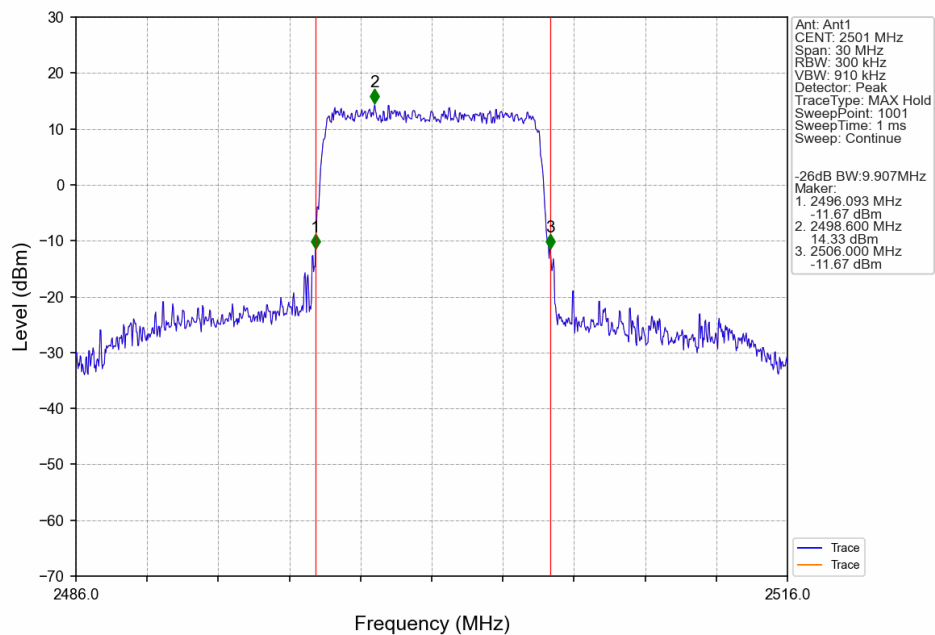
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



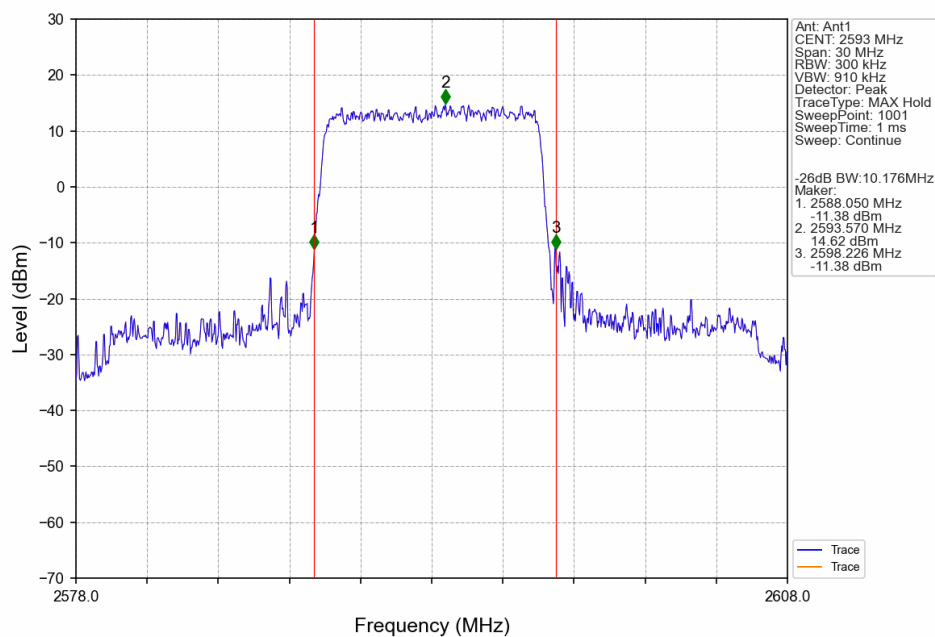
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



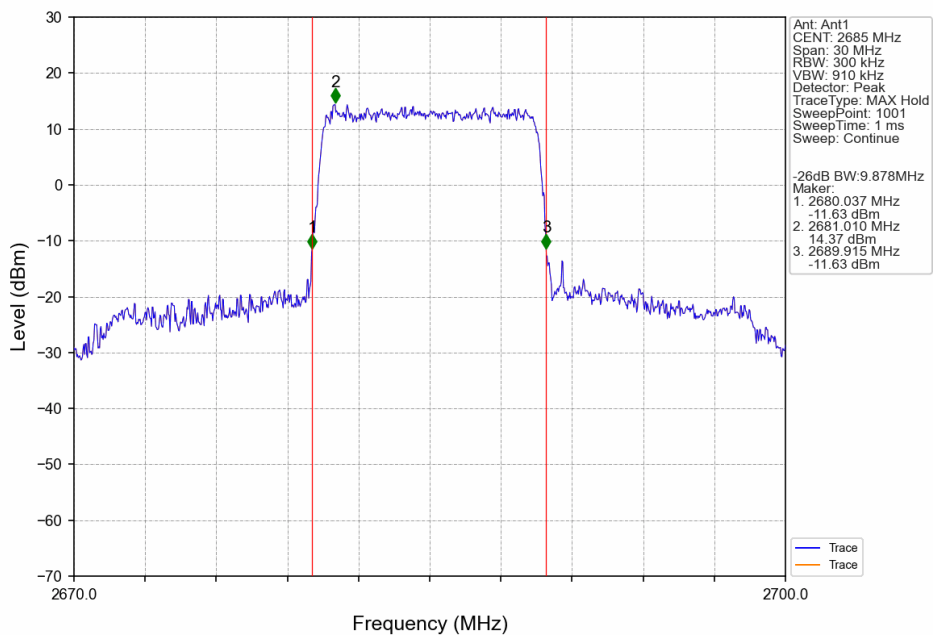
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



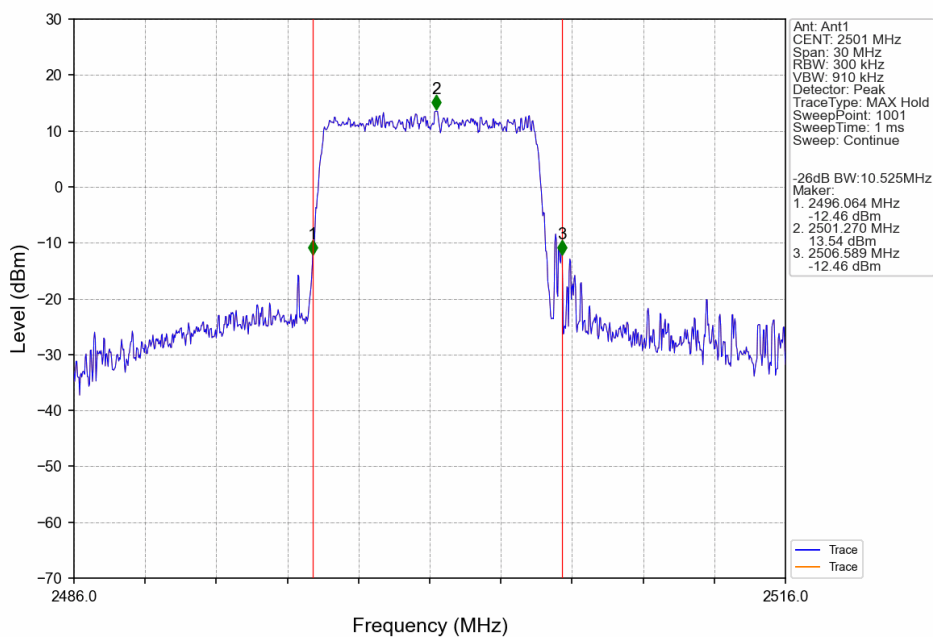
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



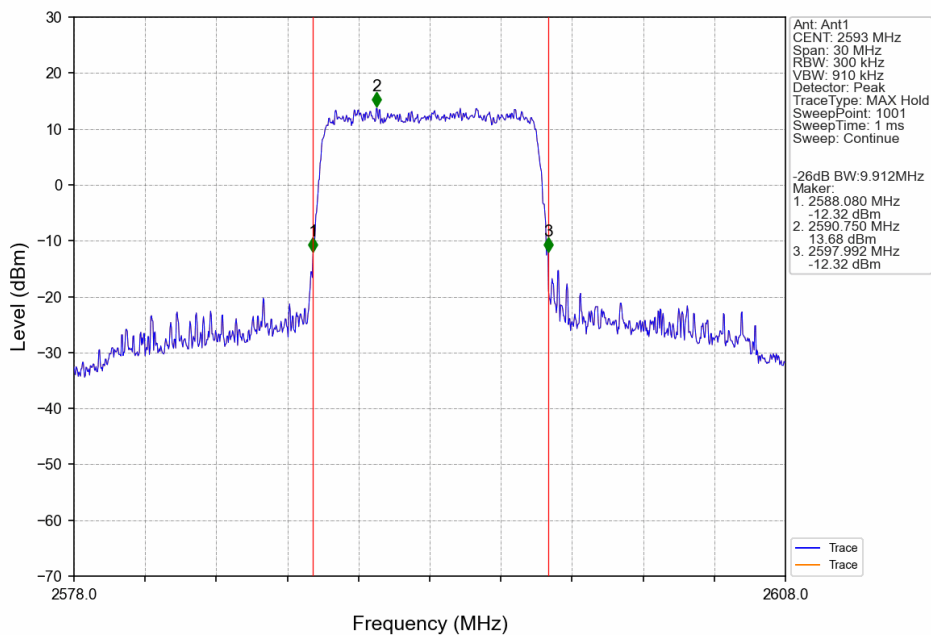
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTN



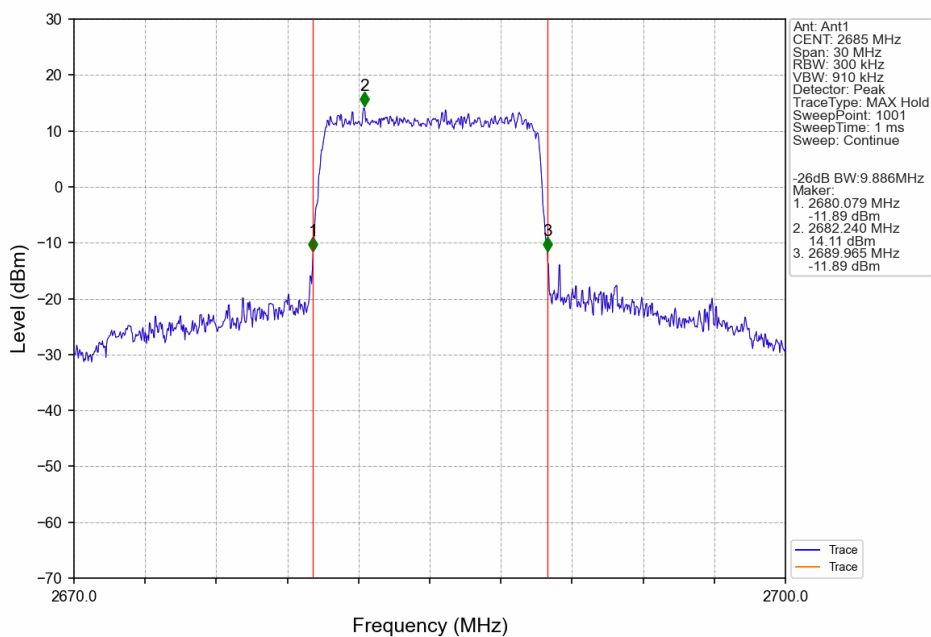
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTN



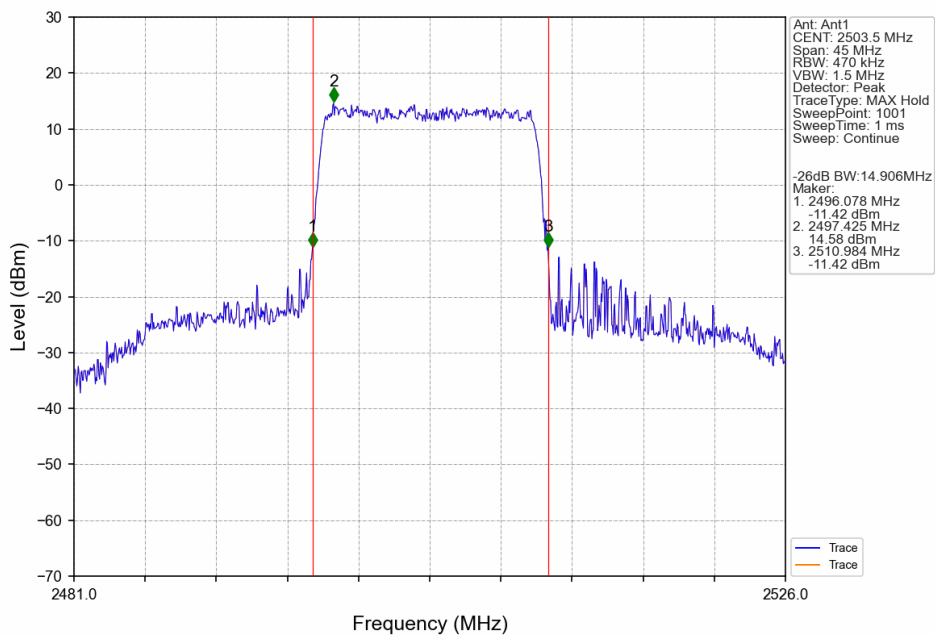
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



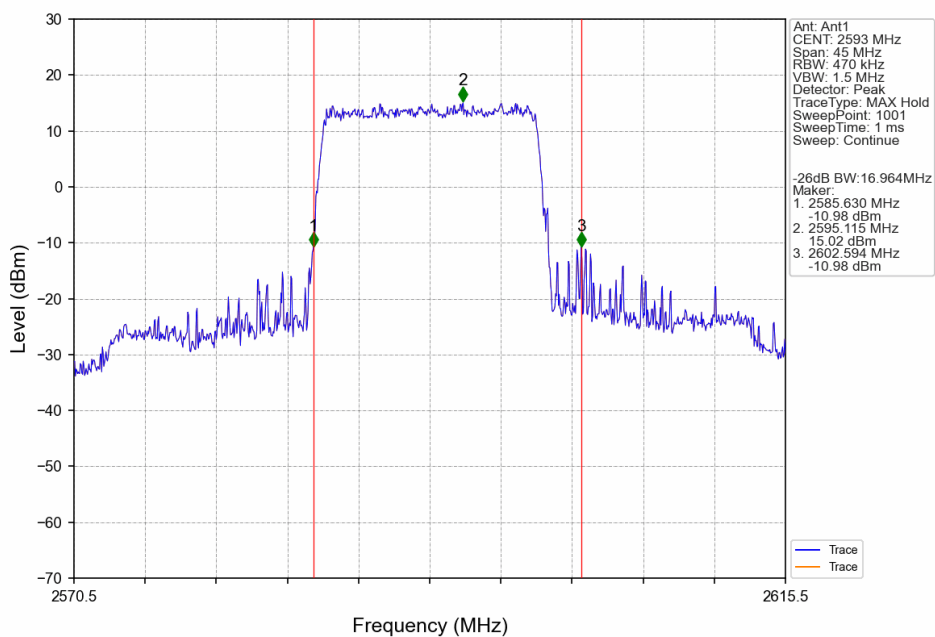
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



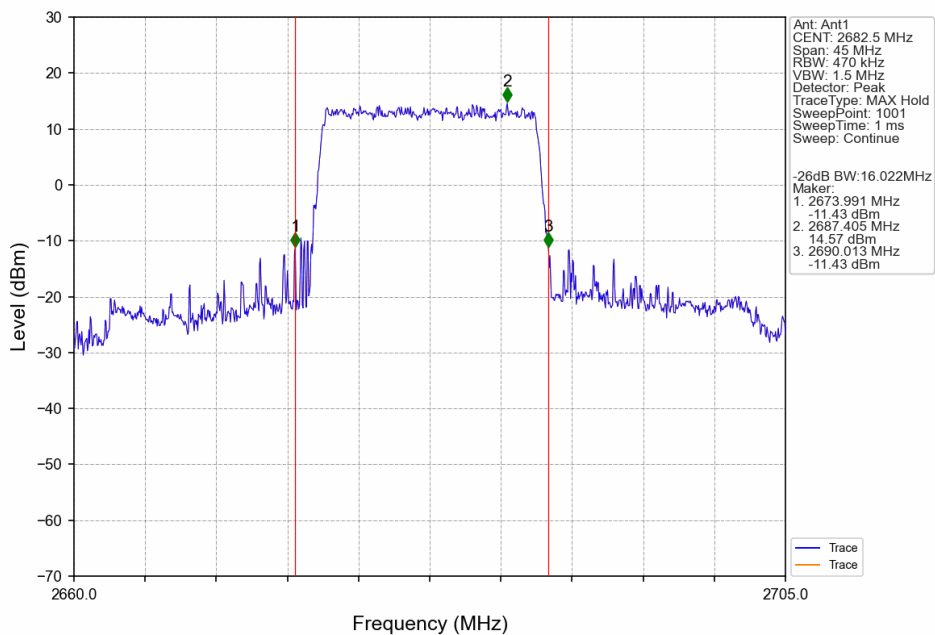
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



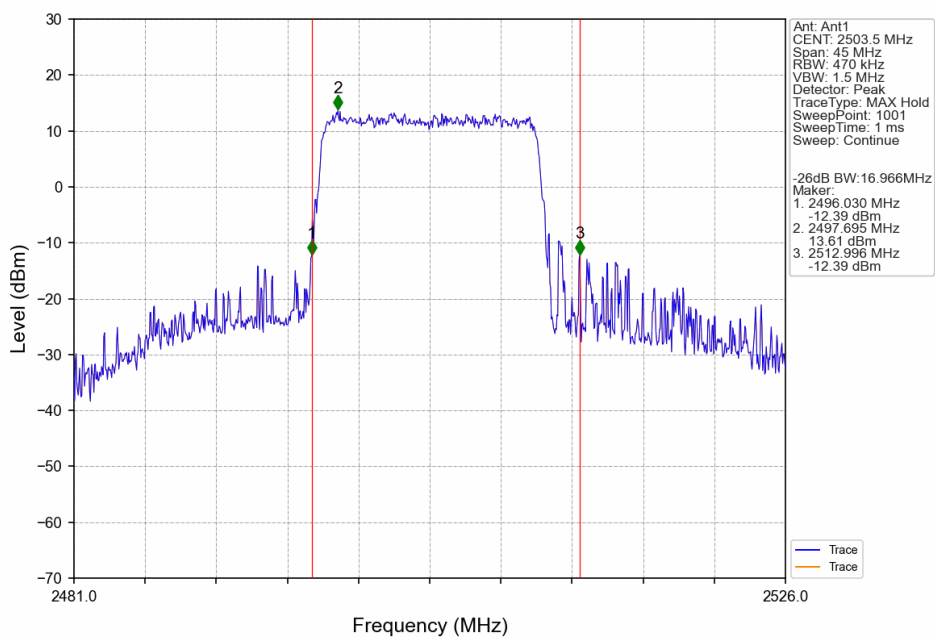
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



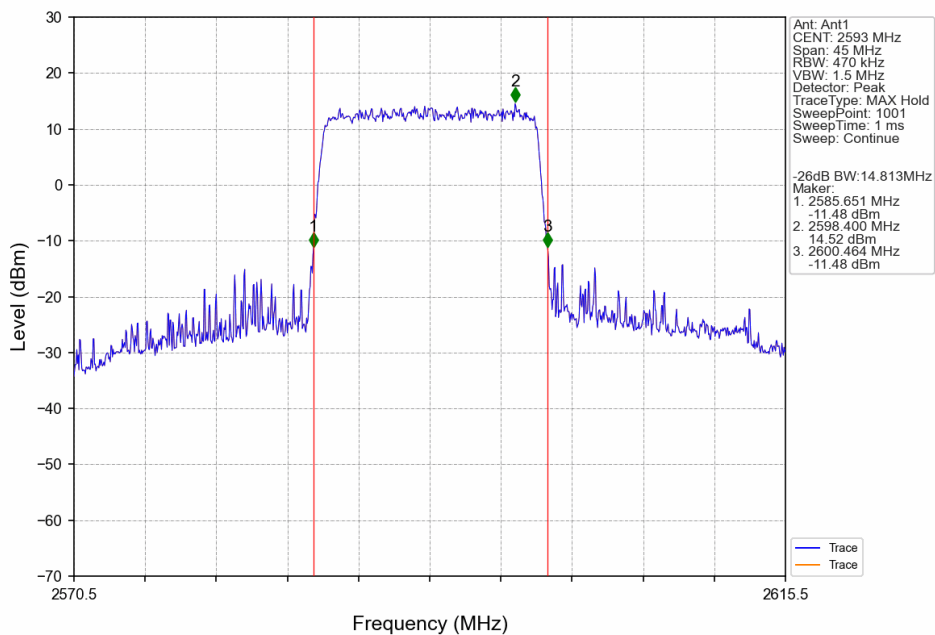
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



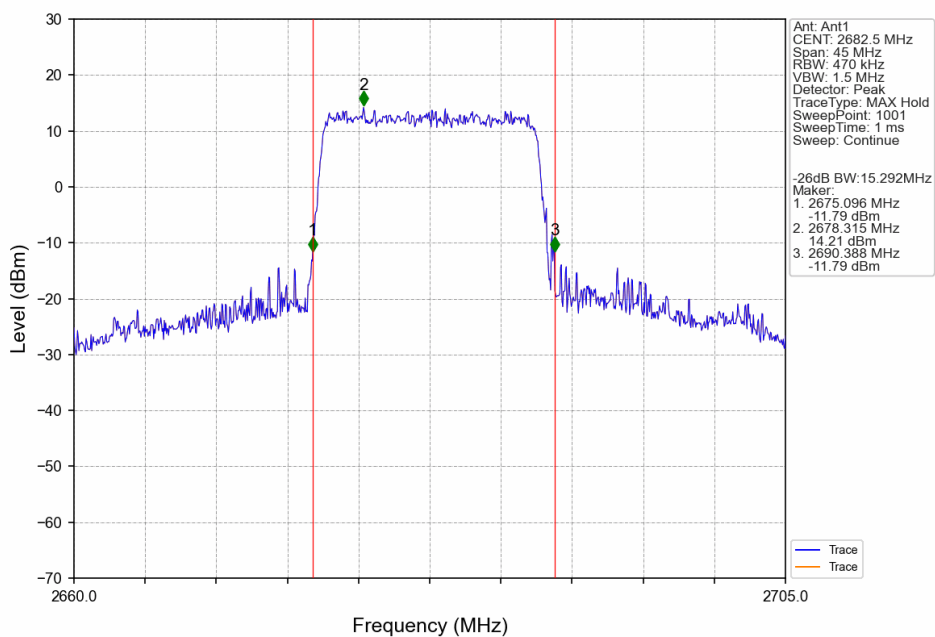
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



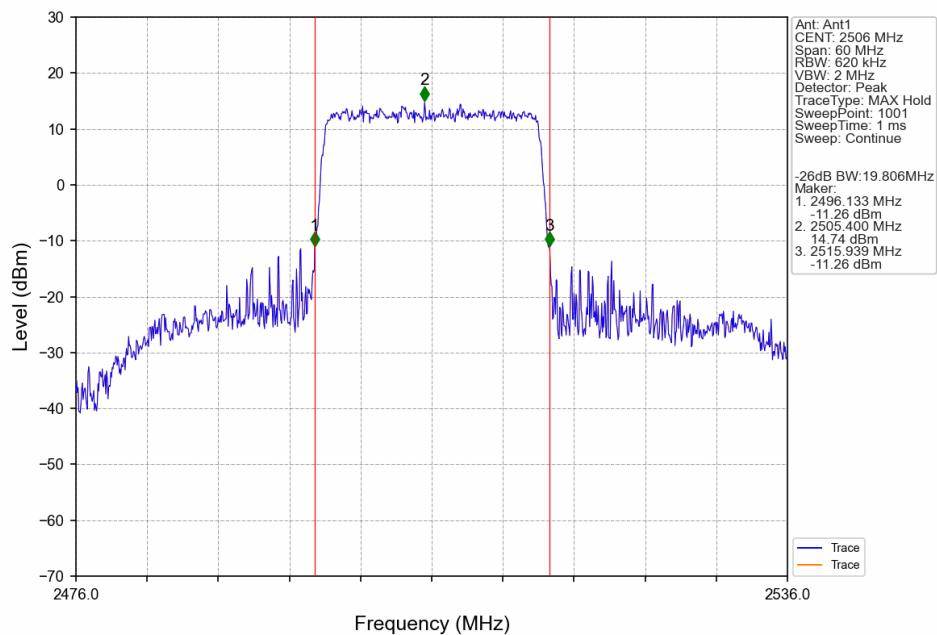
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



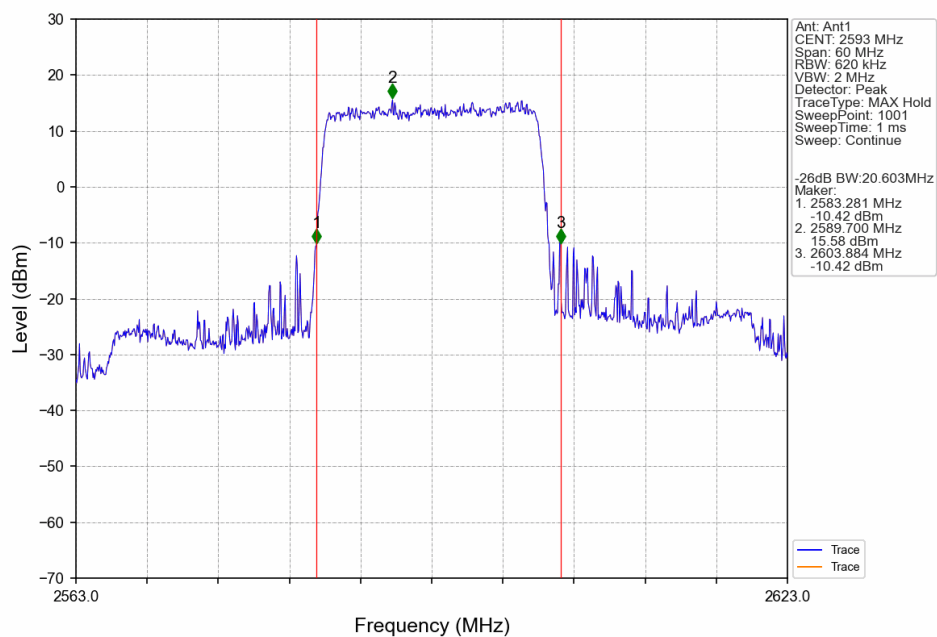
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



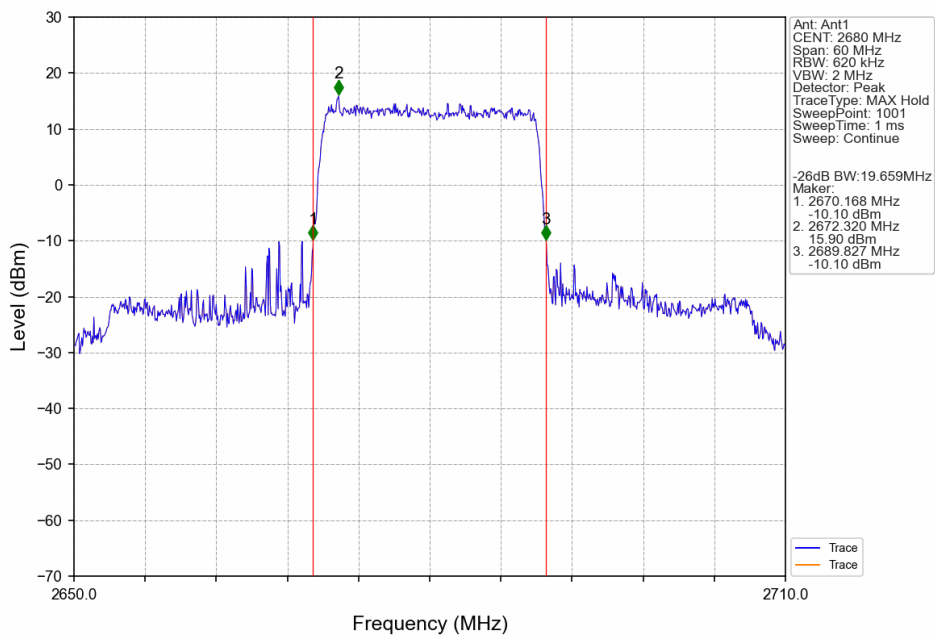
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



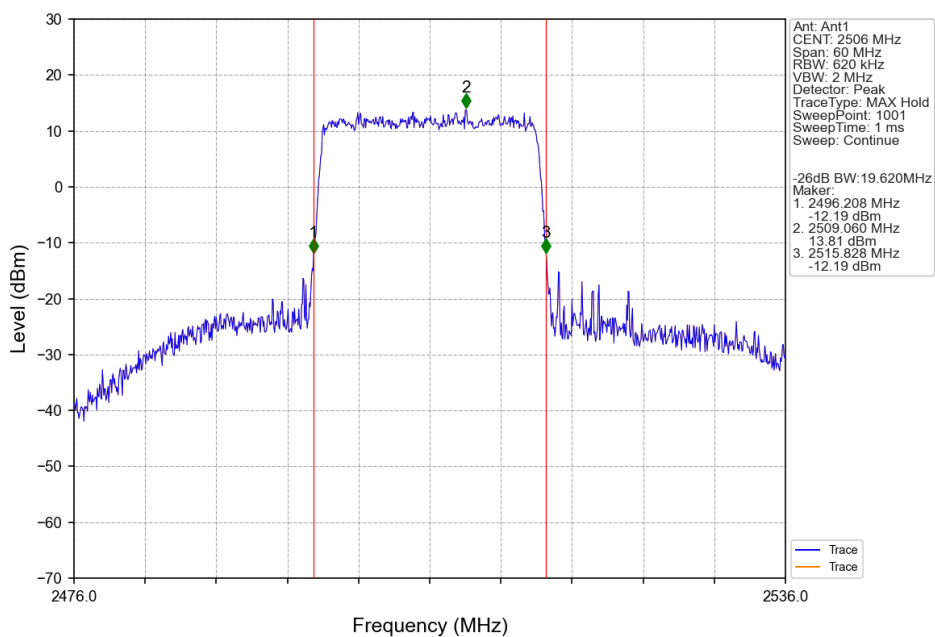
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



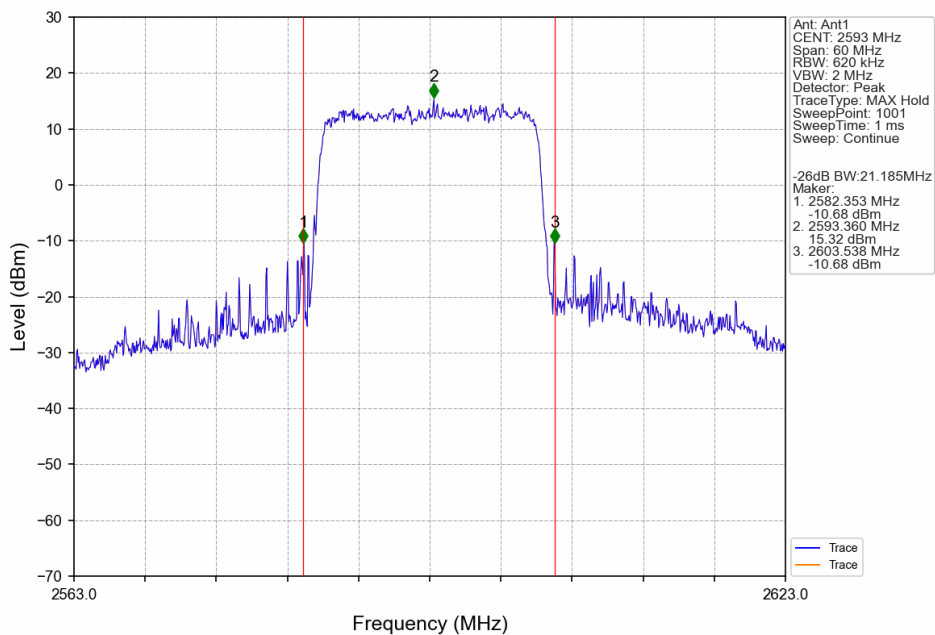
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



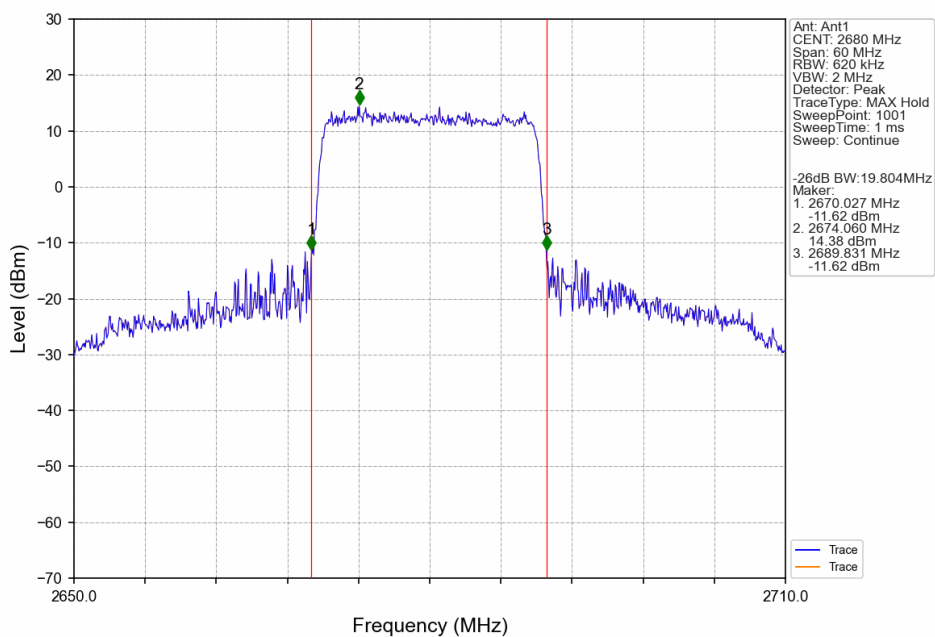
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



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	7.37	<=13	Pass
	2593	25	0	7.56	<=13	Pass
	2687.5	25	0	7.58	<=13	Pass
16QAM	2498.5	25	0	7.96	<=13	Pass
	2593	25	0	8.36	<=13	Pass
	2687.5	25	0	8.08	<=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	7.47	<=13	Pass
	2593	50	0	7.59	<=13	Pass
	2685	50	0	7.38	<=13	Pass
16QAM	2501	50	0	8.25	<=13	Pass
	2593	50	0	8.22	<=13	Pass
	2685	50	0	8.26	<=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	7.36	<=13	Pass
	2593	75	0	8.27	<=13	Pass
	2682.5	75	0	7.64	<=13	Pass
16QAM	2503.5	75	0	8.17	<=13	Pass
	2593	75	0	8.51	<=13	Pass
	2682.5	75	0	8.43	<=13	Pass

5.1.4 B41_20MHz

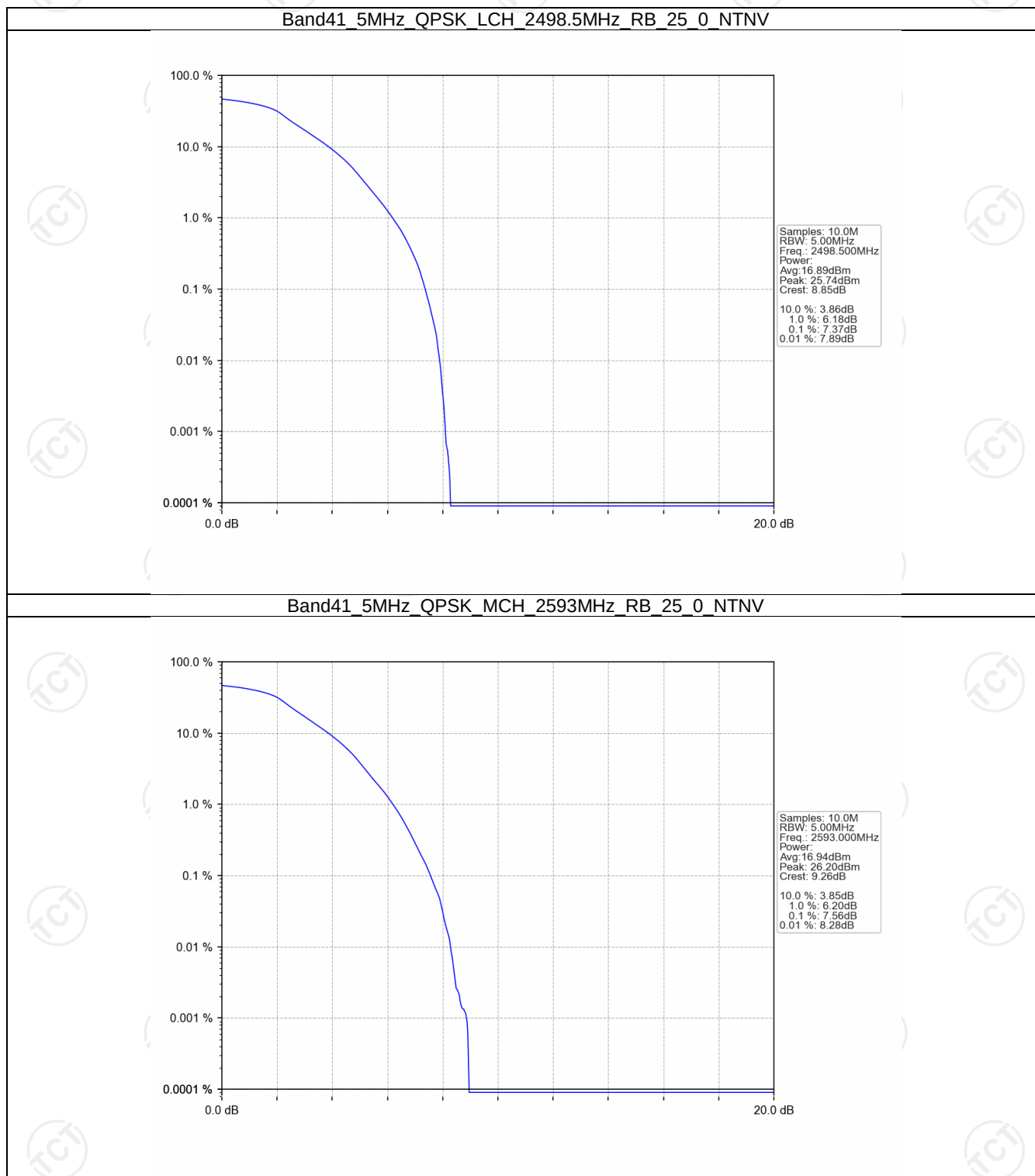
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.83	<=13	Pass
	2593	100	0	7.36	<=13	Pass
	2680	100	0	7.37	<=13	Pass
16QAM	2506	100	0	8.08	<=13	Pass
	2593	100	0	8.30	<=13	Pass

	2680	100	0	7.89	<=13	Pass
--	------	-----	---	------	------	------

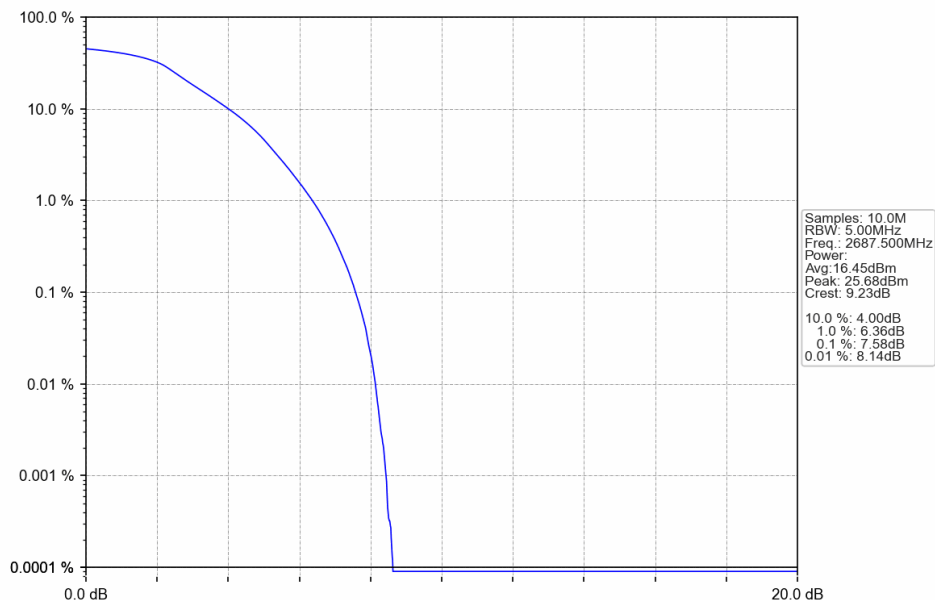


5.2 Test Graph

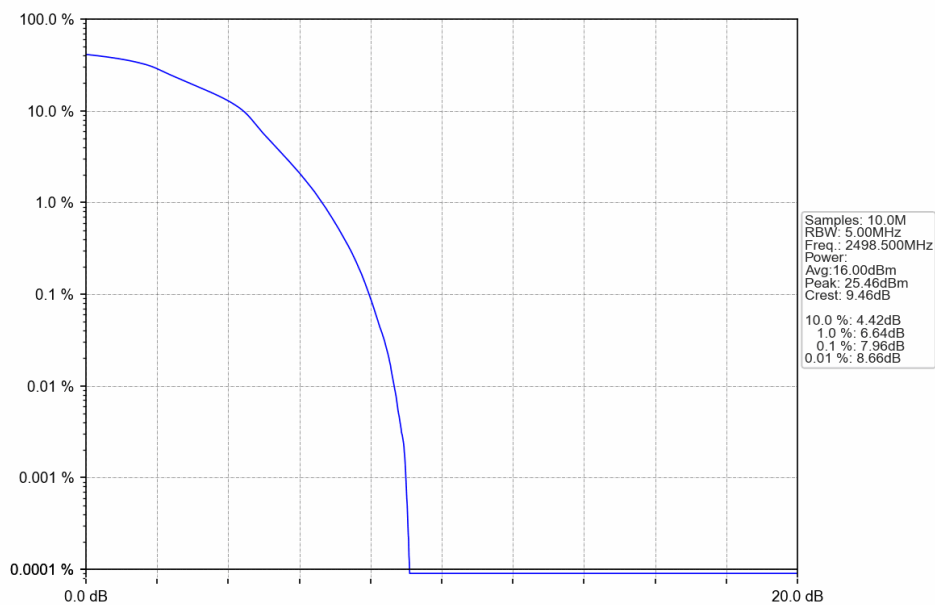
5.2.1 B41_5MHz



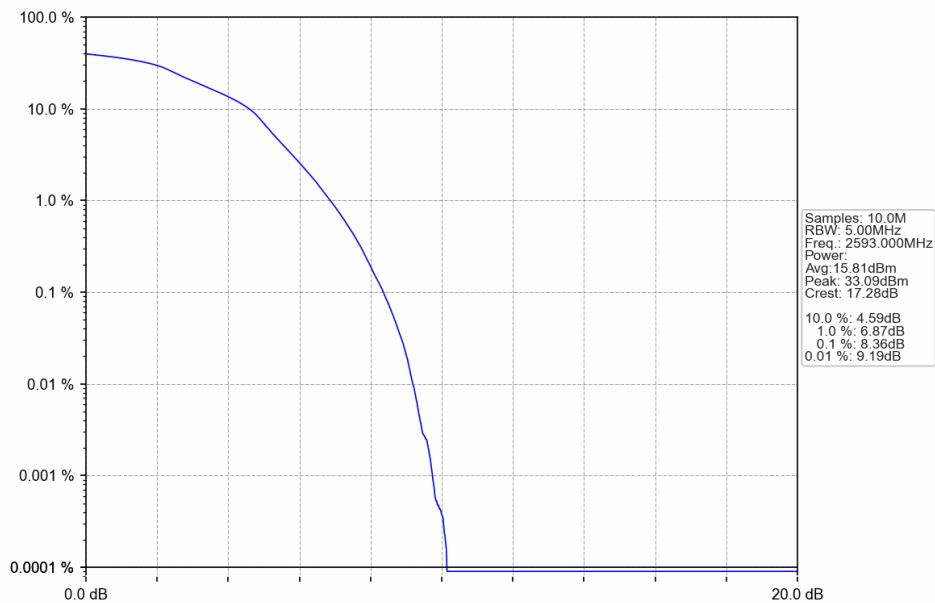
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



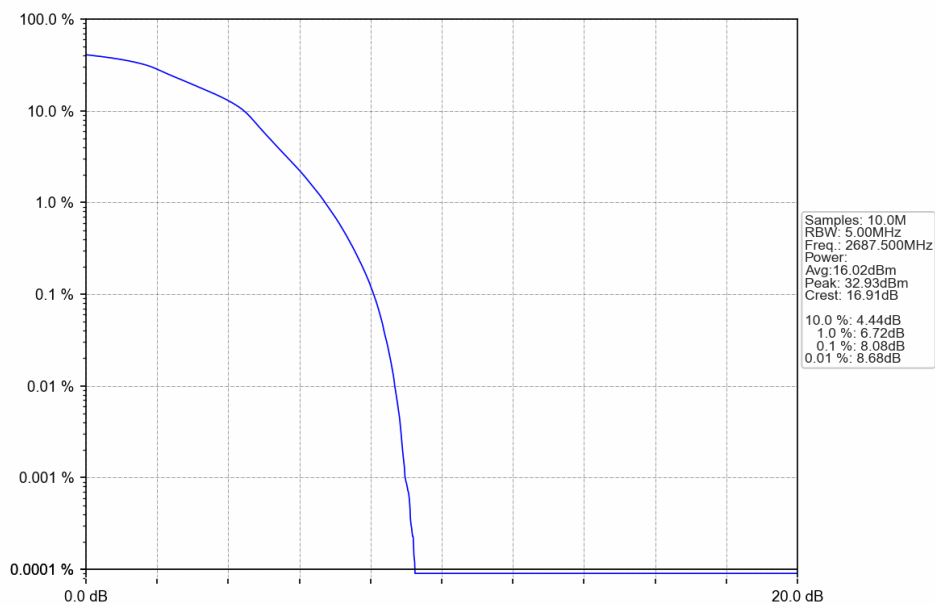
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



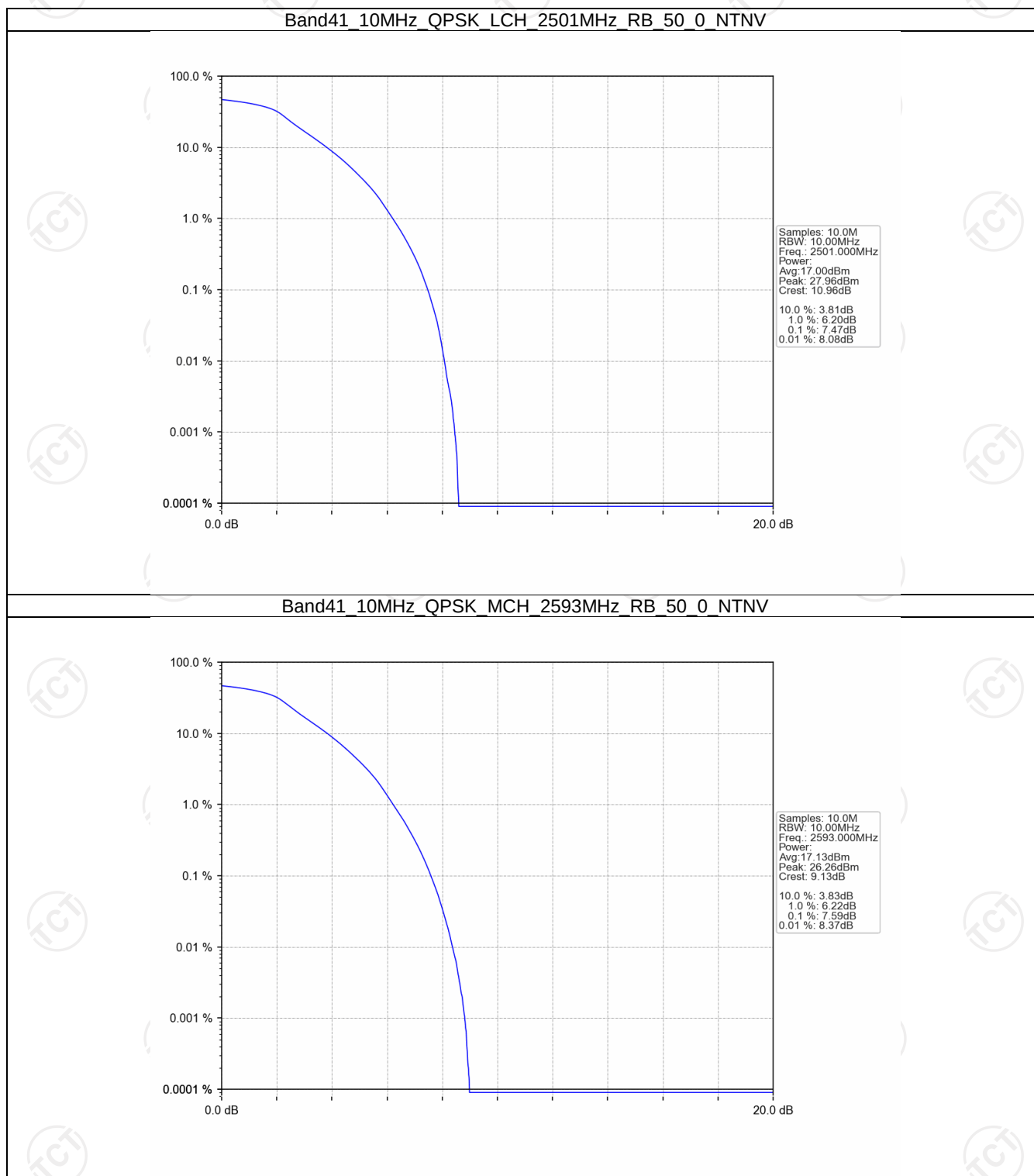
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



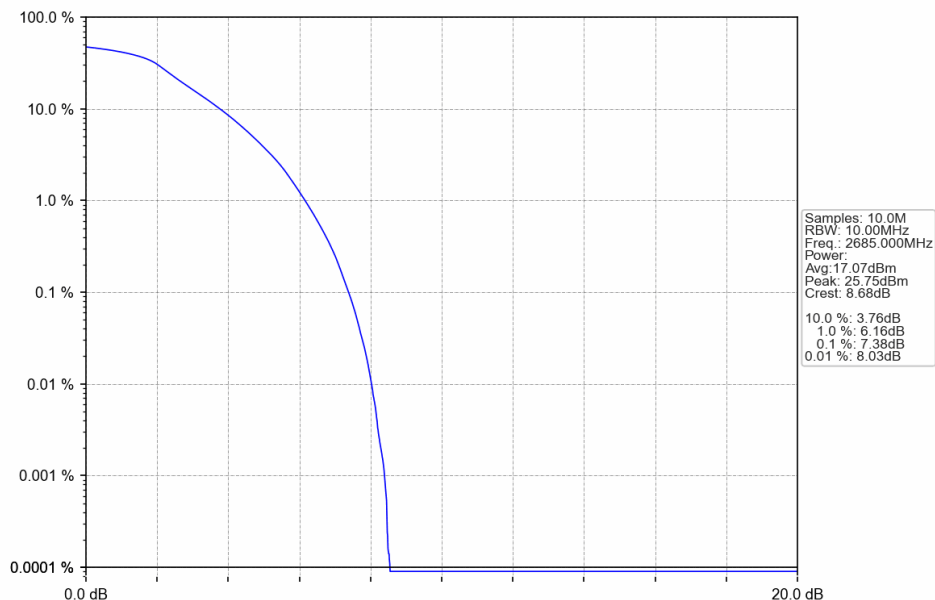
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



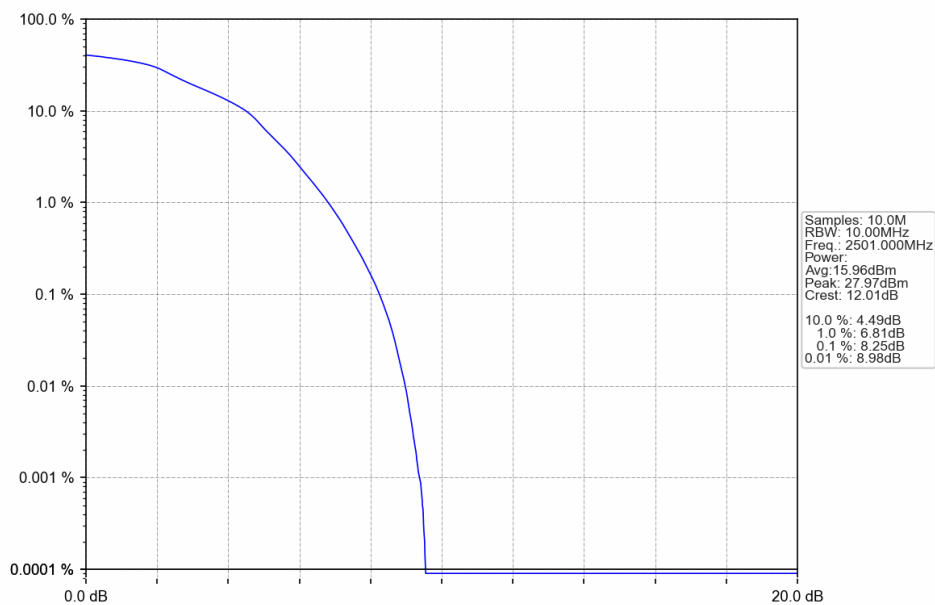
5.2.2 B41_10MHz



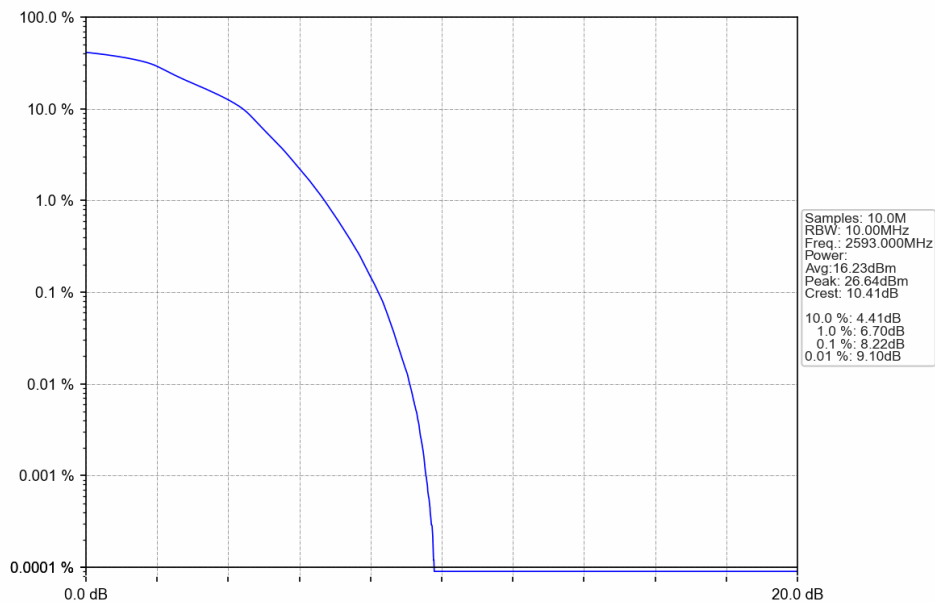
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



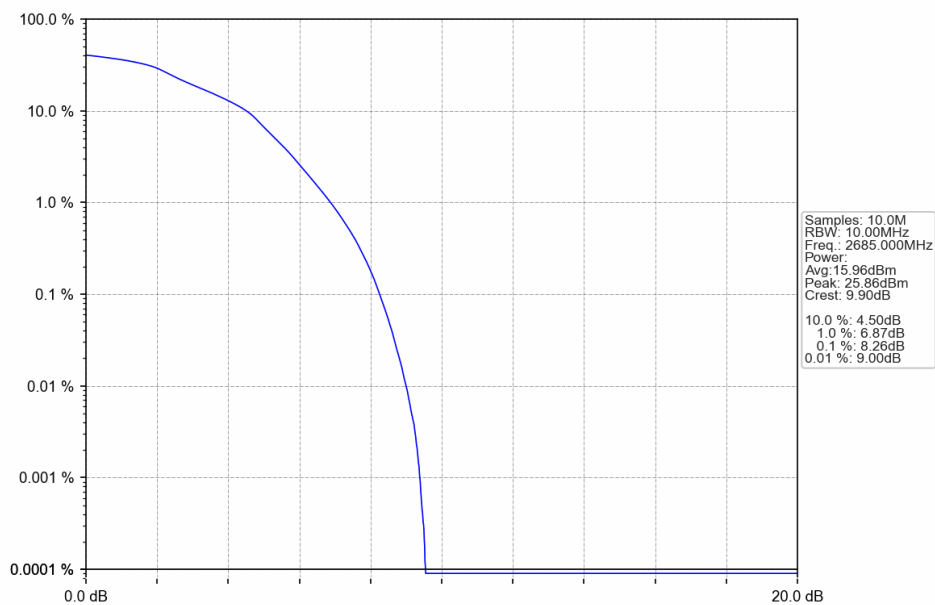
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



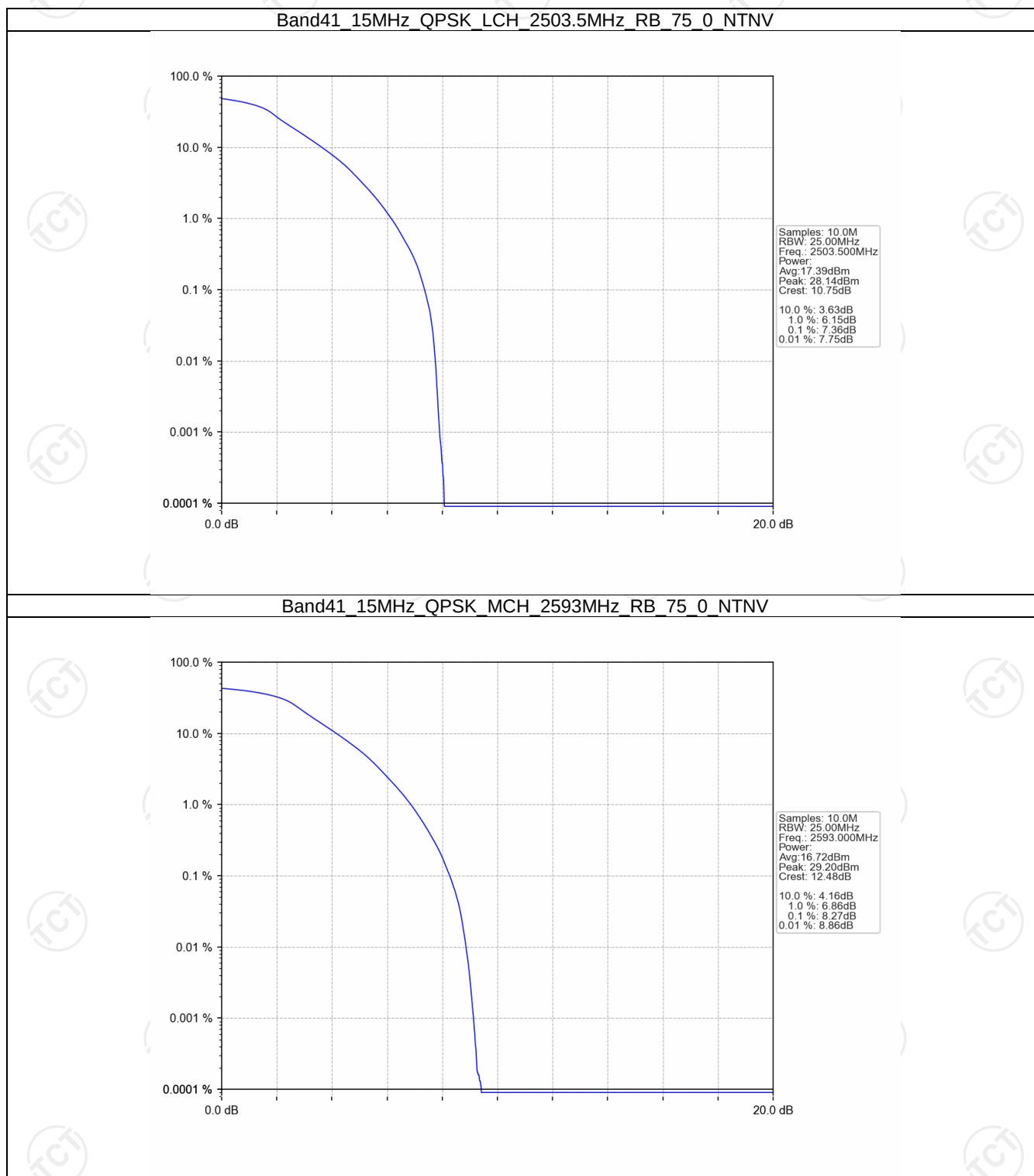
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTN



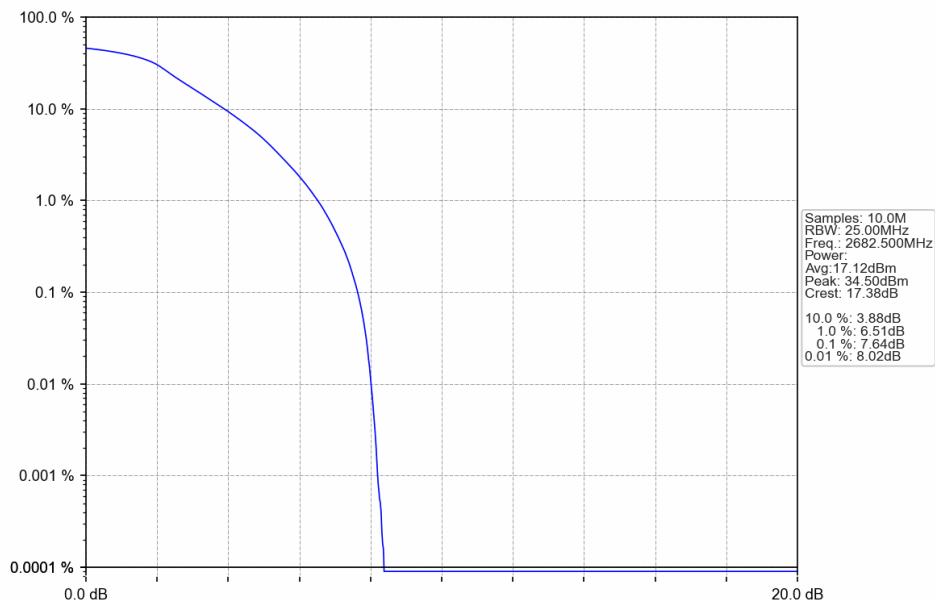
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTN



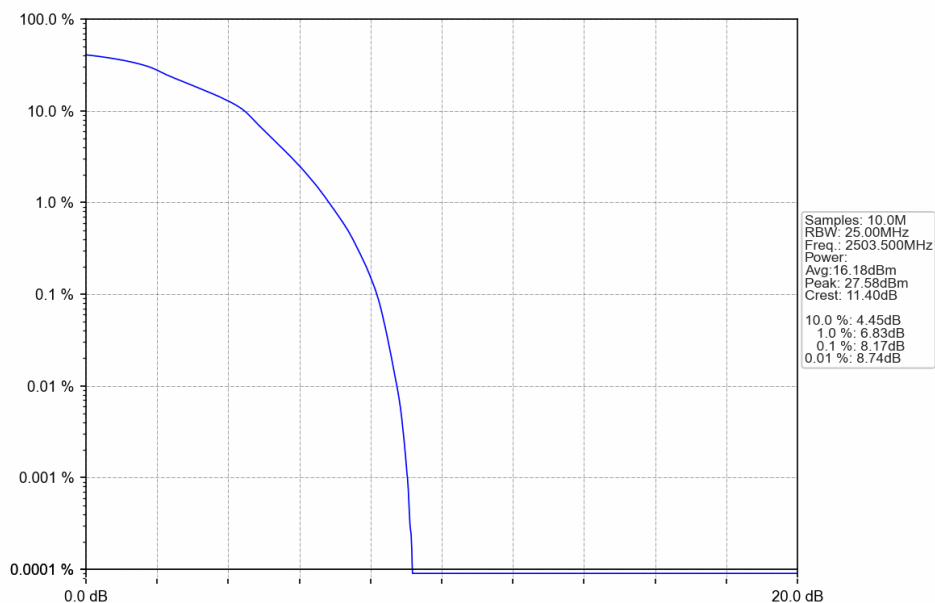
5.2.3 B41_15MHz



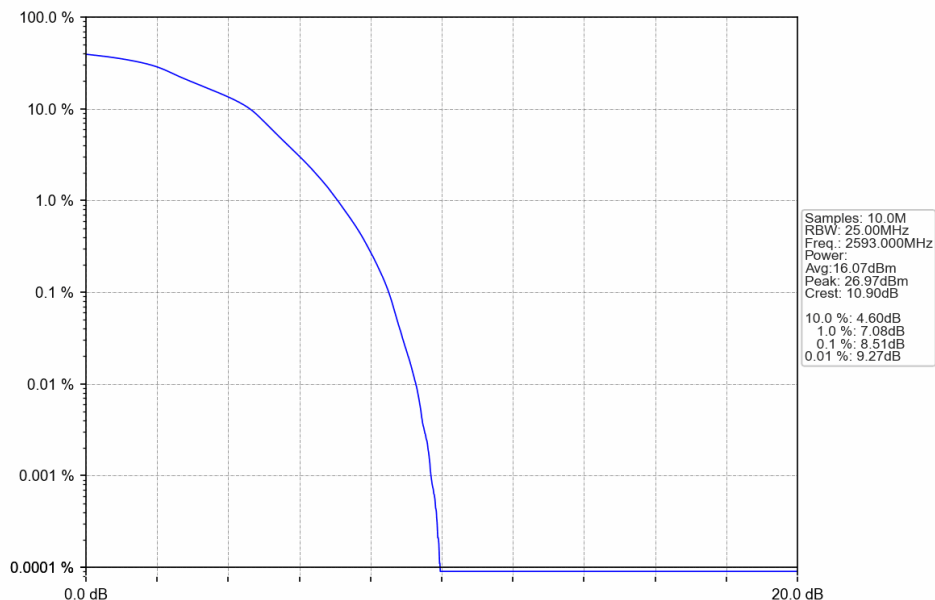
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



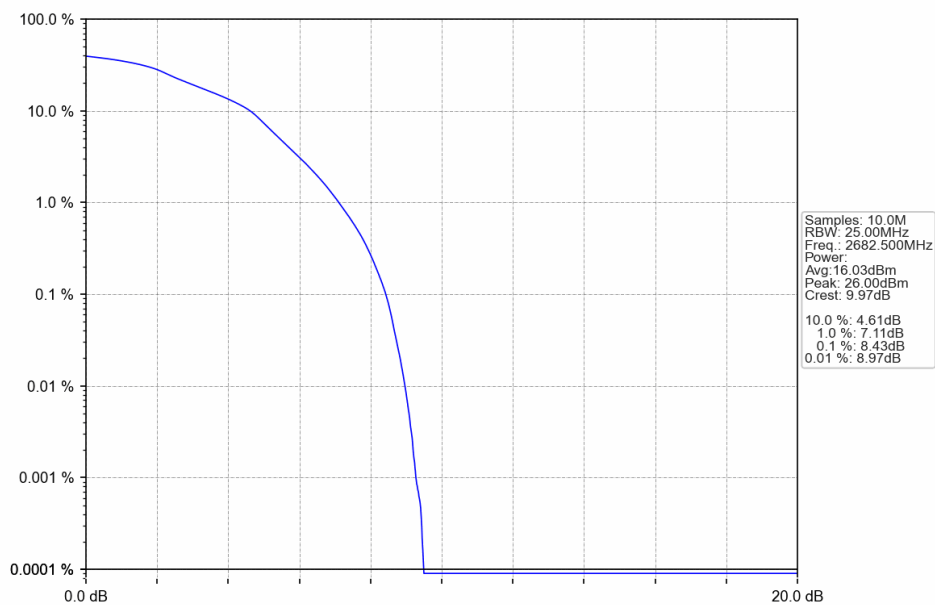
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



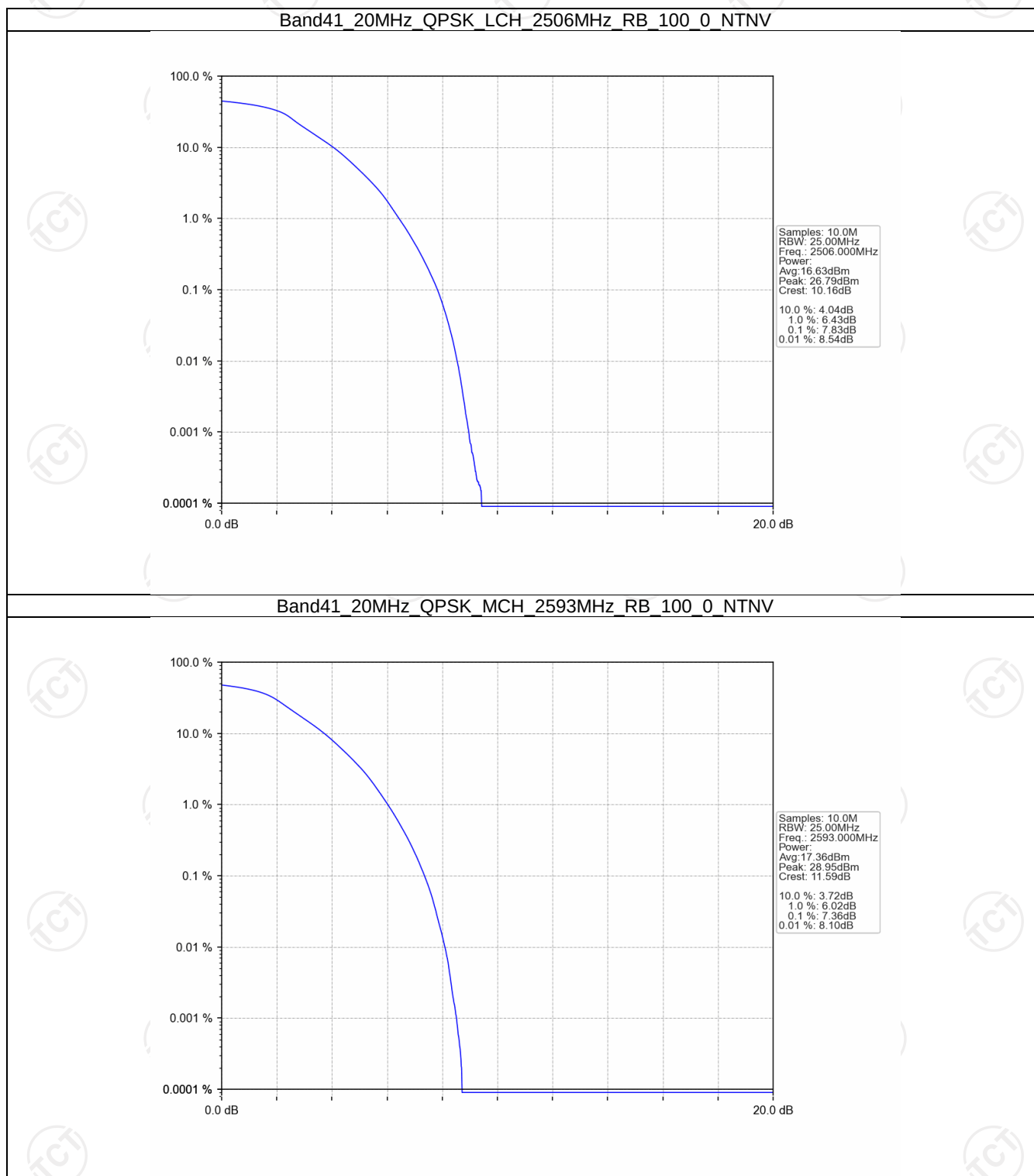
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



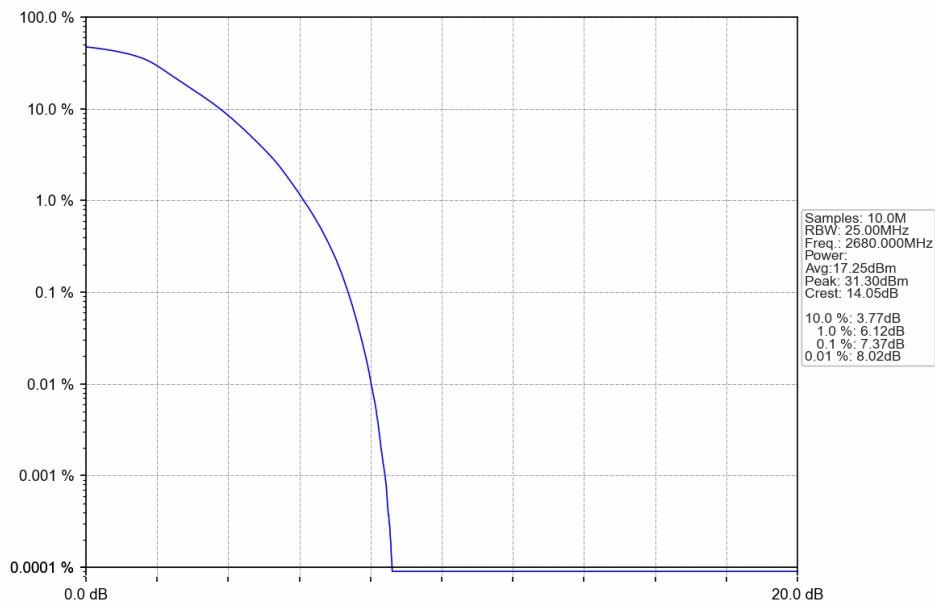
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



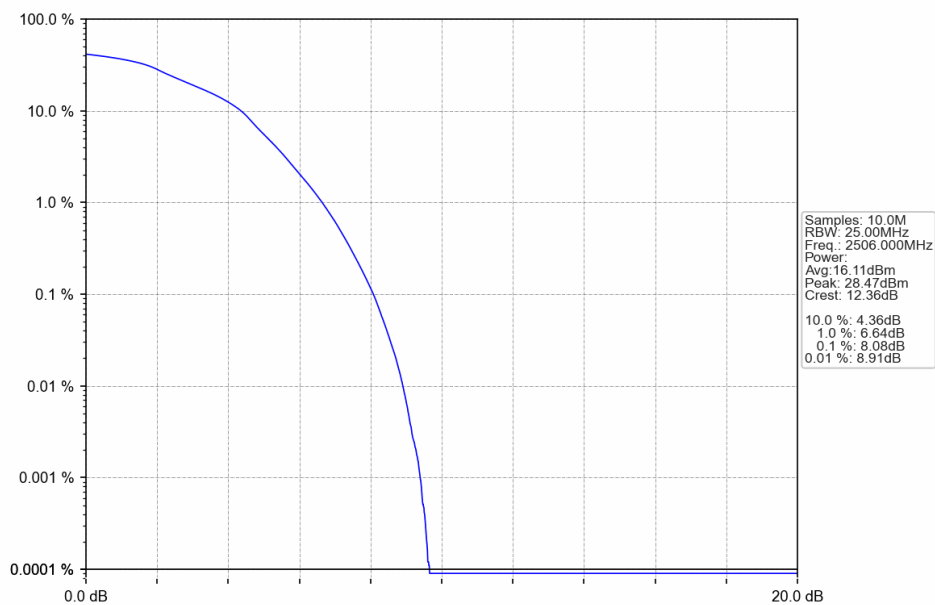
5.2.4 B41_20MHz



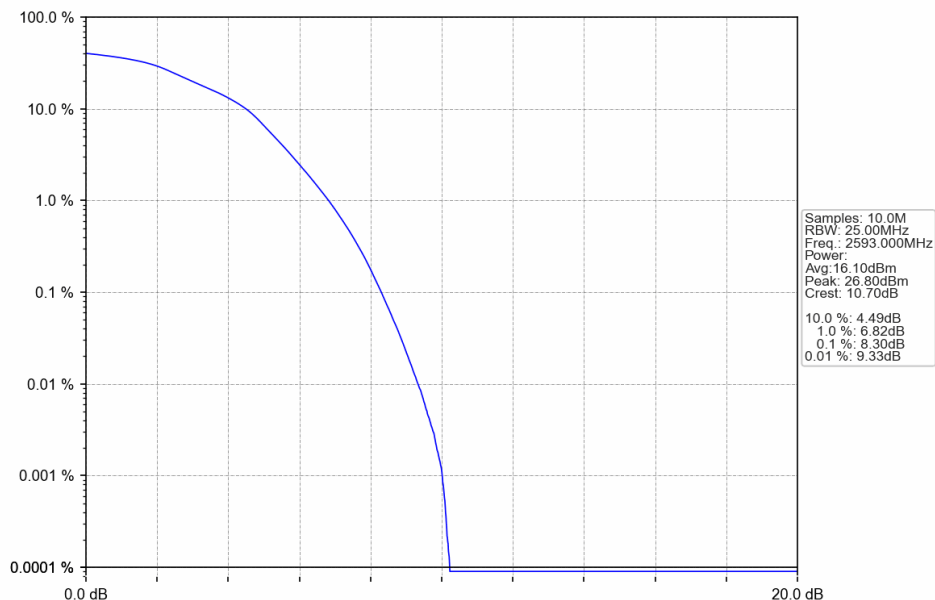
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



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

