

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	21.64	0.31	21.95	<=33.01	Pass
			13	21.81	0.31	22.12	<=33.01	Pass
			24	21.55	0.31	21.86	<=33.01	Pass
		12	0	20.65	0.31	20.96	<=33.01	Pass
			6	20.61	0.31	20.92	<=33.01	Pass
			13	20.61	0.31	20.92	<=33.01	Pass
		25	0	20.67	0.31	20.98	<=33.01	Pass
	2593	1	0	22.47	0.31	22.78	<=33.01	Pass
			13	22.52	0.31	22.83	<=33.01	Pass
			24	22.38	0.31	22.69	<=33.01	Pass
		12	0	21.50	0.31	21.81	<=33.01	Pass
			6	21.47	0.31	21.78	<=33.01	Pass
			13	21.49	0.31	21.80	<=33.01	Pass
		25	0	21.51	0.31	21.82	<=33.01	Pass
	2687.5	1	0	22.71	0.31	23.02	<=33.01	Pass
			13	22.84	0.31	23.15	<=33.01	Pass
			24	22.67	0.31	22.98	<=33.01	Pass
		12	0	21.62	0.31	21.93	<=33.01	Pass
			6	21.66	0.31	21.97	<=33.01	Pass
			13	21.68	0.31	21.99	<=33.01	Pass
		25	0	21.63	0.31	21.94	<=33.01	Pass
16QAM	2498.5	1	0	20.83	0.31	21.14	<=33.01	Pass
			13	20.69	0.31	21.00	<=33.01	Pass
			24	20.55	0.31	20.86	<=33.01	Pass
		12	0	19.63	0.31	19.94	<=33.01	Pass
			6	19.72	0.31	20.03	<=33.01	Pass
			13	19.61	0.31	19.92	<=33.01	Pass
		25	0	19.56	0.31	19.87	<=33.01	Pass
	2593	1	0	21.42	0.31	21.73	<=33.01	Pass
			13	21.26	0.31	21.57	<=33.01	Pass
			24	21.38	0.31	21.69	<=33.01	Pass
		12	0	20.51	0.31	20.82	<=33.01	Pass
			6	20.61	0.31	20.92	<=33.01	Pass
			13	20.45	0.31	20.76	<=33.01	Pass
		25	0	20.47	0.31	20.78	<=33.01	Pass
	2687.5	1	0	21.82	0.31	22.13	<=33.01	Pass
			13	21.68	0.31	21.99	<=33.01	Pass
			24	21.84	0.31	22.15	<=33.01	Pass
		12	0	20.55	0.31	20.86	<=33.01	Pass
			6	20.67	0.31	20.98	<=33.01	Pass
			13	20.62	0.31	20.93	<=33.01	Pass
		25	0	20.57	0.31	20.88	<=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	21.72	0.31	22.03	<=33.01	Pass
			25	21.85	0.31	22.16	<=33.01	Pass
			49	21.68	0.31	21.99	<=33.01	Pass
		25	0	20.61	0.31	20.92	<=33.01	Pass
			13	20.64	0.31	20.95	<=33.01	Pass
			25	20.64	0.31	20.95	<=33.01	Pass
		50	0	20.66	0.31	20.97	<=33.01	Pass
	2593	1	0	22.59	0.31	22.90	<=33.01	Pass
			25	22.74	0.31	23.05	<=33.01	Pass
			49	22.57	0.31	22.88	<=33.01	Pass
		25	0	21.51	0.31	21.82	<=33.01	Pass
			13	21.55	0.31	21.86	<=33.01	Pass
			25	21.56	0.31	21.87	<=33.01	Pass
		50	0	21.54	0.31	21.85	<=33.01	Pass
	2685	1	0	22.69	0.31	23.00	<=33.01	Pass
			25	22.98	0.31	23.29	<=33.01	Pass
			49	22.71	0.31	23.02	<=33.01	Pass
		25	0	21.66	0.31	21.97	<=33.01	Pass
			13	21.74	0.31	22.05	<=33.01	Pass
			25	21.72	0.31	22.03	<=33.01	Pass
		50	0	21.69	0.31	22.00	<=33.01	Pass
16QAM	2501	1	0	20.67	0.31	20.98	<=33.01	Pass
			25	20.79	0.31	21.10	<=33.01	Pass
			49	20.54	0.31	20.85	<=33.01	Pass
		25	0	19.64	0.31	19.95	<=33.01	Pass
			13	19.64	0.31	19.95	<=33.01	Pass
			25	19.65	0.31	19.96	<=33.01	Pass
		50	0	19.65	0.31	19.96	<=33.01	Pass
	2593	1	0	21.39	0.31	21.70	<=33.01	Pass
			25	21.58	0.31	21.89	<=33.01	Pass
			49	21.48	0.31	21.79	<=33.01	Pass
		25	0	20.56	0.31	20.87	<=33.01	Pass
			13	20.58	0.31	20.89	<=33.01	Pass
			25	20.55	0.31	20.86	<=33.01	Pass
		50	0	20.54	0.31	20.85	<=33.01	Pass
	2685	1	0	21.64	0.31	21.95	<=33.01	Pass
			25	21.91	0.31	22.22	<=33.01	Pass
			49	21.83	0.31	22.14	<=33.01	Pass
		25	0	20.60	0.31	20.91	<=33.01	Pass
			13	20.57	0.31	20.88	<=33.01	Pass
			25	20.67	0.31	20.98	<=33.01	Pass
		50	0	20.61	0.31	20.92	<=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	21.67	0.31	21.98	<=33.01	Pass
			38	21.76	0.31	22.07	<=33.01	Pass
			74	21.47	0.31	21.78	<=33.01	Pass
		36	0	20.62	0.31	20.93	<=33.01	Pass
			18	20.66	0.31	20.97	<=33.01	Pass
			39	20.62	0.31	20.93	<=33.01	Pass

16QAM	2593	75	0	20.66	0.31	20.97	<=33.01	Pass	
			0	22.54	0.31	22.85	<=33.01	Pass	
		1	38	22.64	0.31	22.95	<=33.01	Pass	
			74	22.52	0.31	22.83	<=33.01	Pass	
			36	0	21.56	0.31	21.87	<=33.01	Pass
				18	21.60	0.31	21.91	<=33.01	Pass
		39		21.58	0.31	21.89	<=33.01	Pass	
		75	0	21.59	0.31	21.90	<=33.01	Pass	
		2682.5	1	0	22.61	0.31	22.92	<=33.01	Pass
				38	22.71	0.31	23.02	<=33.01	Pass
	74			22.65	0.31	22.96	<=33.01	Pass	
	36		0	21.64	0.31	21.95	<=33.01	Pass	
			18	21.68	0.31	21.99	<=33.01	Pass	
			39	21.79	0.31	22.10	<=33.01	Pass	
			75	0	21.77	0.31	22.08	<=33.01	Pass
	2503.5		1	0	20.66	0.31	20.97	<=33.01	Pass
38		20.66		0.31	20.97	<=33.01	Pass		
74		20.36		0.31	20.67	<=33.01	Pass		
36		0		19.71	0.31	20.02	<=33.01	Pass	
		18		19.63	0.31	19.94	<=33.01	Pass	
		39		19.60	0.31	19.91	<=33.01	Pass	
75		0		19.61	0.31	19.92	<=33.01	Pass	
2593		1	0	21.32	0.31	21.63	<=33.01	Pass	
			38	21.53	0.31	21.84	<=33.01	Pass	
			74	21.37	0.31	21.68	<=33.01	Pass	
		36	0	20.53	0.31	20.84	<=33.01	Pass	
			18	20.54	0.31	20.85	<=33.01	Pass	
			39	20.55	0.31	20.86	<=33.01	Pass	
		75	0	20.56	0.31	20.87	<=33.01	Pass	
2682.5		1	0	21.46	0.31	21.77	<=33.01	Pass	
			38	21.46	0.31	21.77	<=33.01	Pass	
			74	21.40	0.31	21.71	<=33.01	Pass	
		36	0	20.60	0.31	20.91	<=33.01	Pass	
			18	20.66	0.31	20.97	<=33.01	Pass	
			39	20.76	0.31	21.07	<=33.01	Pass	
		75	0	20.64	0.31	20.95	<=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	21.54	0.31	21.85	<=33.01	Pass
			50	21.79	0.31	22.10	<=33.01	Pass
			99	21.32	0.31	21.63	<=33.01	Pass
		50	0	20.57	0.31	20.88	<=33.01	Pass
			25	20.56	0.31	20.87	<=33.01	Pass
			50	20.57	0.31	20.88	<=33.01	Pass
		100	0	20.57	0.31	20.88	<=33.01	Pass
		1	0	22.27	0.31	22.58	<=33.01	Pass
			50	22.71	0.31	23.02	<=33.01	Pass
			99	22.31	0.31	22.62	<=33.01	Pass
	2593	50	0	21.47	0.31	21.78	<=33.01	Pass
			25	21.52	0.31	21.83	<=33.01	Pass
			50	21.49	0.31	21.80	<=33.01	Pass
		100	0	21.50	0.31	21.81	<=33.01	Pass

16QAM	2680	1	0	22.43	0.31	22.74	<=33.01	Pass
			50	22.74	0.31	23.05	<=33.01	Pass
			99	22.52	0.31	22.83	<=33.01	Pass
		50	0	21.51	0.31	21.82	<=33.01	Pass
			25	21.61	0.31	21.92	<=33.01	Pass
			50	21.64	0.31	21.95	<=33.01	Pass
		100	0	21.59	0.31	21.90	<=33.01	Pass
			50	21.59	0.31	21.90	<=33.01	Pass
			99	21.59	0.31	21.90	<=33.01	Pass
	2506	1	0	20.58	0.31	20.89	<=33.01	Pass
			50	20.75	0.31	21.06	<=33.01	Pass
			99	20.37	0.31	20.68	<=33.01	Pass
		50	0	19.59	0.31	19.90	<=33.01	Pass
			25	19.61	0.31	19.92	<=33.01	Pass
			50	19.57	0.31	19.88	<=33.01	Pass
		100	0	19.52	0.31	19.83	<=33.01	Pass
			50	19.52	0.31	19.83	<=33.01	Pass
			99	19.52	0.31	19.83	<=33.01	Pass
	2593	1	0	21.14	0.31	21.45	<=33.01	Pass
			50	21.43	0.31	21.74	<=33.01	Pass
			99	21.05	0.31	21.36	<=33.01	Pass
		50	0	20.52	0.31	20.83	<=33.01	Pass
			25	20.47	0.31	20.78	<=33.01	Pass
			50	20.52	0.31	20.83	<=33.01	Pass
		100	0	20.48	0.31	20.79	<=33.01	Pass
			50	20.48	0.31	20.79	<=33.01	Pass
			99	20.48	0.31	20.79	<=33.01	Pass
	2680	1	0	21.32	0.31	21.63	<=33.01	Pass
			50	21.74	0.31	22.05	<=33.01	Pass
			99	21.43	0.31	21.74	<=33.01	Pass
		50	0	20.39	0.31	20.70	<=33.01	Pass
			25	20.62	0.31	20.93	<=33.01	Pass
			50	20.54	0.31	20.85	<=33.01	Pass
		100	0	20.53	0.31	20.84	<=33.01	Pass
			50	20.53	0.31	20.84	<=33.01	Pass
			99	20.53	0.31	20.84	<=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	-10.815	-0.0043	-2.5 to 2.5	Pass
					3.85	-7.825	-0.0031	-2.5 to 2.5	Pass
					4.43	-12.374	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0016	-2.5 to 2.5	Pass
					3.85	2.732	0.0011	-2.5 to 2.5	Pass
					3.85	-14.148	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0033	-2.5 to 2.5	Pass
					3.85	1.903	0.0008	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.85	-9.842	-0.0039	-2.5 to 2.5	Pass
					3.85	-21.901	-0.0088	-2.5 to 2.5	Pass
					3.85	-21.901	-0.0088	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	11.573	0.0045	-2.5 to 2.5	Pass
					3.85	11.644	0.0045	-2.5 to 2.5	Pass
					4.43	-2.847	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
					3.85	-10.400	-0.0040	-2.5 to 2.5	Pass
					3.85	16.193	0.0062	-2.5 to 2.5	Pass

16QAM	2687.5	25	0	0	3.85	7.224	0.0028	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				40	3.85	17.266	0.0067	-2.5 to 2.5	Pass
				50	3.85	23.918	0.0092	-2.5 to 2.5	Pass
	2498.5	25	0	20	3.27	-18.711	-0.0070	-2.5 to 2.5	Pass
					3.85	-33.016	-0.0123	-2.5 to 2.5	Pass
					4.43	5.007	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-17.409	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-20.499	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-27.852	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-13.189	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-37.379	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-16.308	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-12.774	-0.0048	-2.5 to 2.5	Pass
				20	3.27	-13.704	-0.0055	-2.5 to 2.5	Pass
					3.85	-7.496	-0.0030	-2.5 to 2.5	Pass
					4.43	-25.148	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	4.663	0.0019	-2.5 to 2.5	Pass
				-20	3.85	8.283	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-19.526	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0025	-2.5 to 2.5	Pass
				30	3.85	7.353	0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0032	-2.5 to 2.5	Pass
16QAM	2593	25	0	20	3.27	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	17.953	0.0069	-2.5 to 2.5	Pass
					4.43	26.264	0.0101	-2.5 to 2.5	Pass
				-30	3.85	27.695	0.0107	-2.5 to 2.5	Pass
				-20	3.85	42.729	0.0165	-2.5 to 2.5	Pass
				-10	3.85	25.463	0.0098	-2.5 to 2.5	Pass
				0	3.85	46.949	0.0181	-2.5 to 2.5	Pass
				10	3.85	29.726	0.0115	-2.5 to 2.5	Pass
				30	3.85	41.556	0.0160	-2.5 to 2.5	Pass
				40	3.85	40.612	0.0157	-2.5 to 2.5	Pass
				50	3.85	42.372	0.0163	-2.5 to 2.5	Pass
				20	3.27	-23.618	-0.0088	-2.5 to 2.5	Pass
					3.85	-9.928	-0.0037	-2.5 to 2.5	Pass
					4.43	-16.007	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-14.606	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-29.325	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-15.764	-0.0059	-2.5 to 2.5	Pass
				0	3.85	3.090	0.0011	-2.5 to 2.5	Pass
				10	3.85	-18.053	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-11.959	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-15.922	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-11.344	-0.0042	-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	-8.368	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0026	-2.5 to 2.5	Pass

16QAM					4.43	-6.838	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.955	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-17.467	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.161	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	3.719	0.0014	-2.5 to 2.5	Pass
					3.85	9.041	0.0035	-2.5 to 2.5	Pass
					4.43	-10.514	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-10.843	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-10.929	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-9.313	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.280	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-23.189	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-10.386	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-14.648	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-10.443	-0.0040	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-9.656	-0.0036	-2.5 to 2.5	Pass
					3.85	-11.988	-0.0045	-2.5 to 2.5	Pass
					4.43	-7.582	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-16.994	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				0	3.85	-15.893	-0.0059	-2.5 to 2.5	Pass
				10	3.85	5.994	0.0022	-2.5 to 2.5	Pass
				30	3.85	-16.236	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-13.289	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-8.311	-0.0031	-2.5 to 2.5	Pass
	2501	50	0	20	3.27	-13.204	-0.0053	-2.5 to 2.5	Pass
					3.85	-12.374	-0.0049	-2.5 to 2.5	Pass
					4.43	-11.773	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-11.029	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-11.072	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-16.437	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-9.842	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-24.805	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-8.454	-0.0034	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-1.202	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-15.621	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	2.704	0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-16.193	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-20.413	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-16.966	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-12.774	-0.0049	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-0.501	-0.0002	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.566	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-13.404	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-11.916	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-10.614	-0.0040	-2.5 to 2.5	Pass

			0	3.85	-7.882	-0.0029	-2.5 to 2.5	Pass
			10	3.85	-13.304	-0.0050	-2.5 to 2.5	Pass
			30	3.85	-2.217	-0.0008	-2.5 to 2.5	Pass
			40	3.85	-12.760	-0.0048	-2.5 to 2.5	Pass
			50	3.85	-21.658	-0.0081	-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	-13.804	-0.0055	-2.5 to 2.5	Pass
					3.85	-11.344	-0.0045	-2.5 to 2.5	Pass
					4.43	-13.332	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-14.076	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-12.674	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.253	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.948	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-12.732	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0027	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-15.421	-0.0059	-2.5 to 2.5	Pass
					3.85	-13.590	-0.0052	-2.5 to 2.5	Pass
					4.43	2.575	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-6.080	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.674	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-6.351	-0.0024	-2.5 to 2.5	Pass
					3.85	-17.552	-0.0065	-2.5 to 2.5	Pass
					4.43	-10.729	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-23.332	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-10.414	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-12.417	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-7.982	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-10.185	-0.0038	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-3.805	-0.0015	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0018	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-8.011	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-12.431	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-20.843	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-11.830	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-11.086	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-15.407	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-10.986	-0.0044	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-10.643	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.522	-0.0021	-2.5 to 2.5	Pass

					4.43	2.604	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-18.482	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-2.975	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-15.850	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-4.420	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-10.471	-0.0040	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	2.317	0.0009	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0028	-2.5 to 2.5	Pass
					4.43	-13.504	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-10.285	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-13.776	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-15.864	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-15.392	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-18.854	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0007	-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	-12.546	-0.0050	-2.5 to 2.5	Pass
					3.85	-12.403	-0.0049	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-9.756	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-7.839	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.569	-0.0034	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0012	-2.5 to 2.5	Pass
				40	3.85	-13.404	-0.0053	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-13.604	-0.0052	-2.5 to 2.5	Pass
					3.85	-12.560	-0.0048	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-10.514	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-11.544	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-11.859	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-15.707	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-15.135	-0.0058	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-9.570	-0.0036	-2.5 to 2.5	Pass
					3.85	-10.328	-0.0039	-2.5 to 2.5	Pass
					4.43	2.575	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-17.037	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-11.673	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-20.256	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-10.257	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-7.782	-0.0029	-2.5 to 2.5	Pass

16QAM	2506	100	0	40	3.85	-2.446	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-15.092	-0.0056	-2.5 to 2.5	Pass
				20	3.27	-2.804	-0.0011	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0039	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-12.231	-0.0049	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				40	3.85	-10.200	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0028	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-5.980	-0.0023	-2.5 to 2.5	Pass
					3.85	-10.328	-0.0040	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-15.435	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-8.912	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-11.945	-0.0046	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-16.851	-0.0063	-2.5 to 2.5	Pass
					3.85	-9.084	-0.0034	-2.5 to 2.5	Pass
					4.43	-0.644	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-8.254	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-15.864	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-10.271	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-11.101	-0.0041	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0008	-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

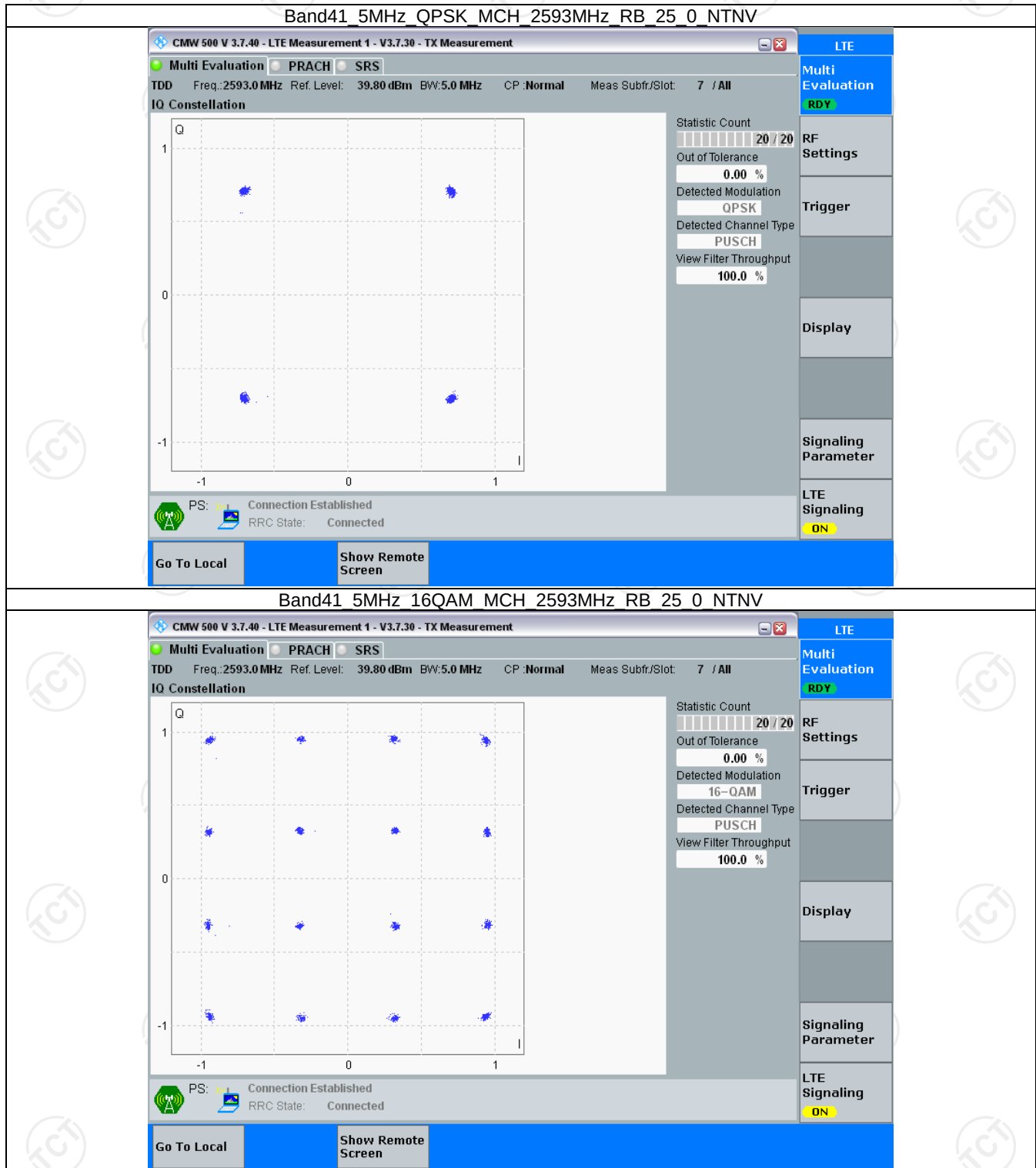
Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

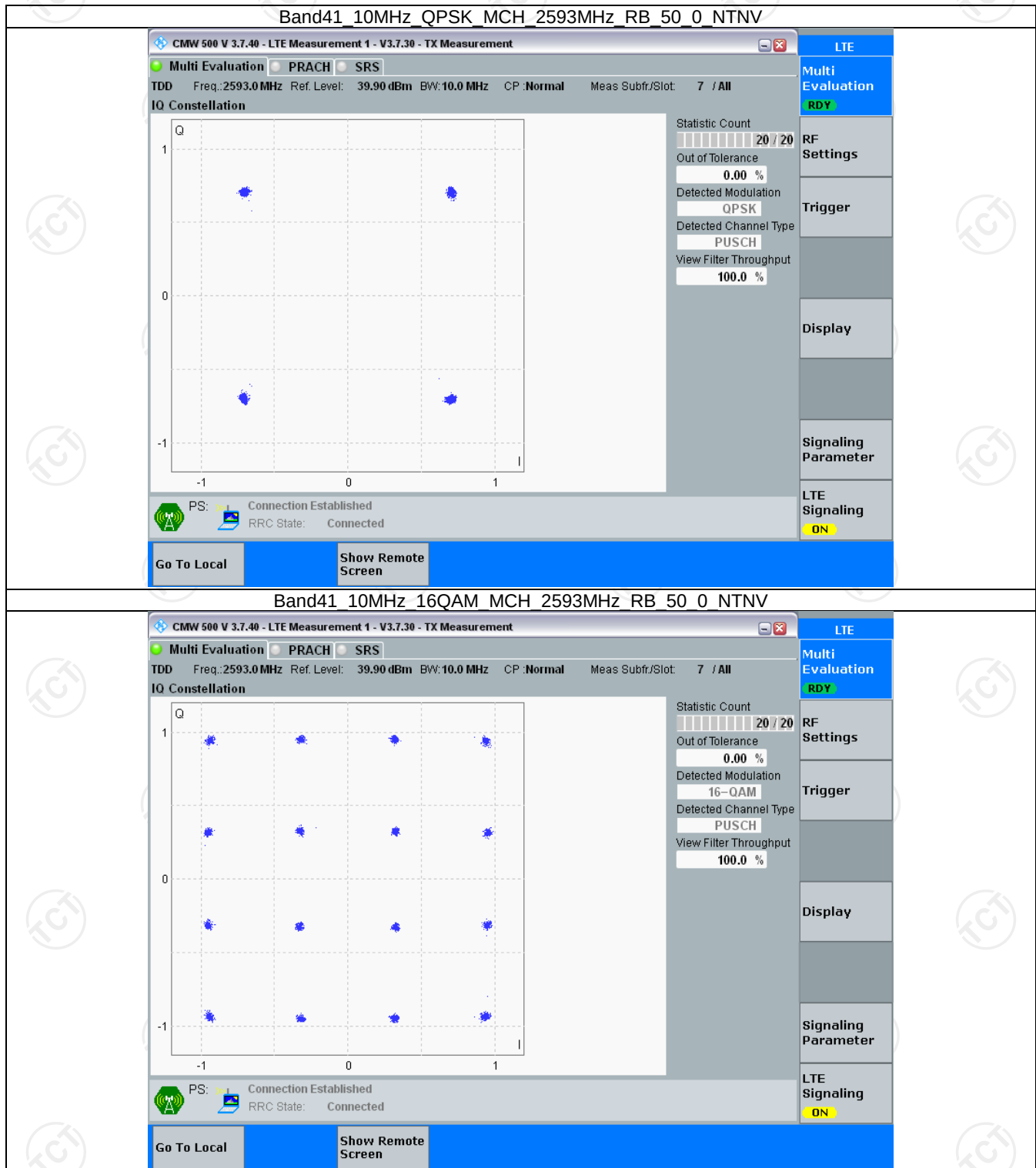
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

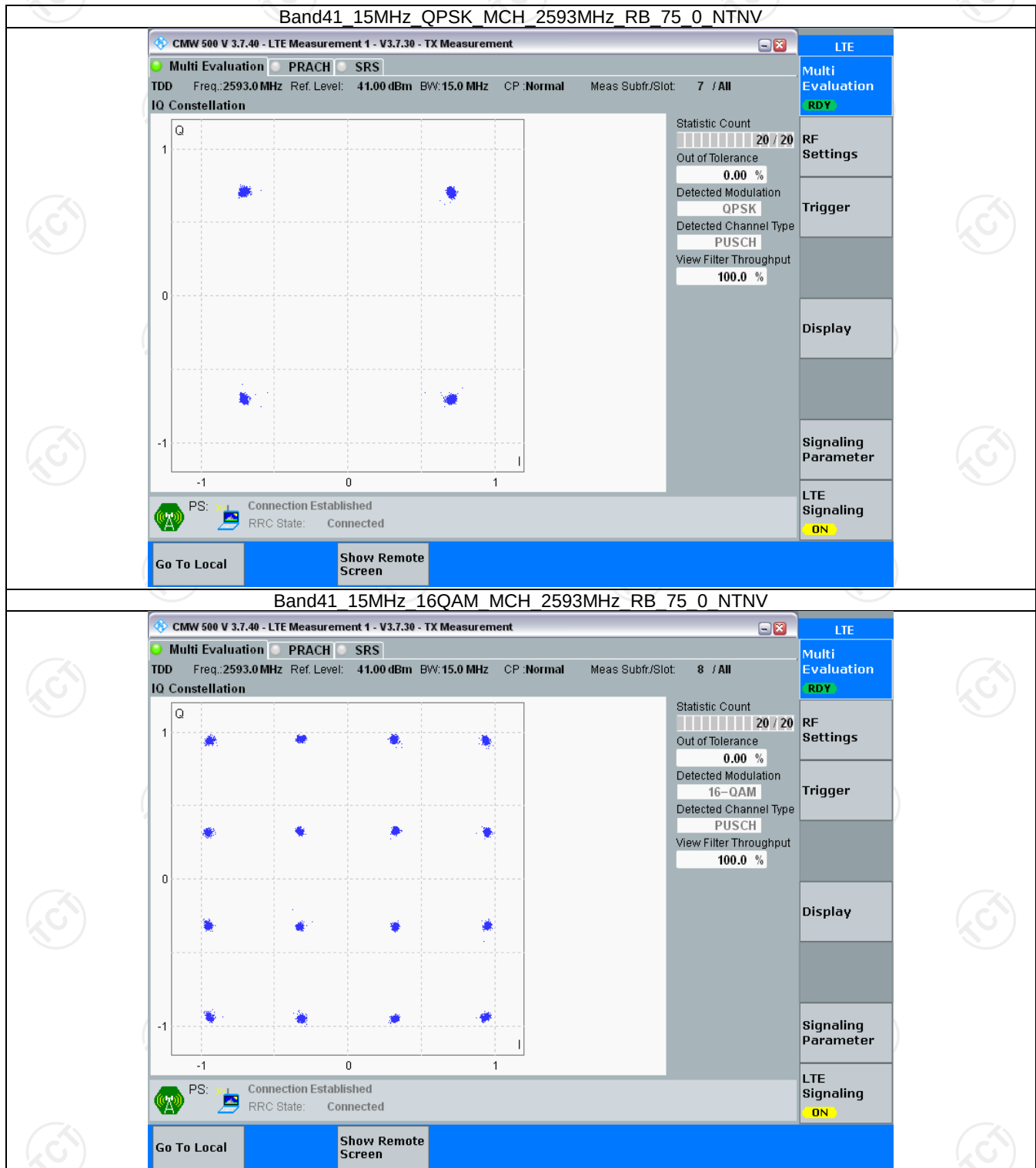
3.2.1 B41_5MHz



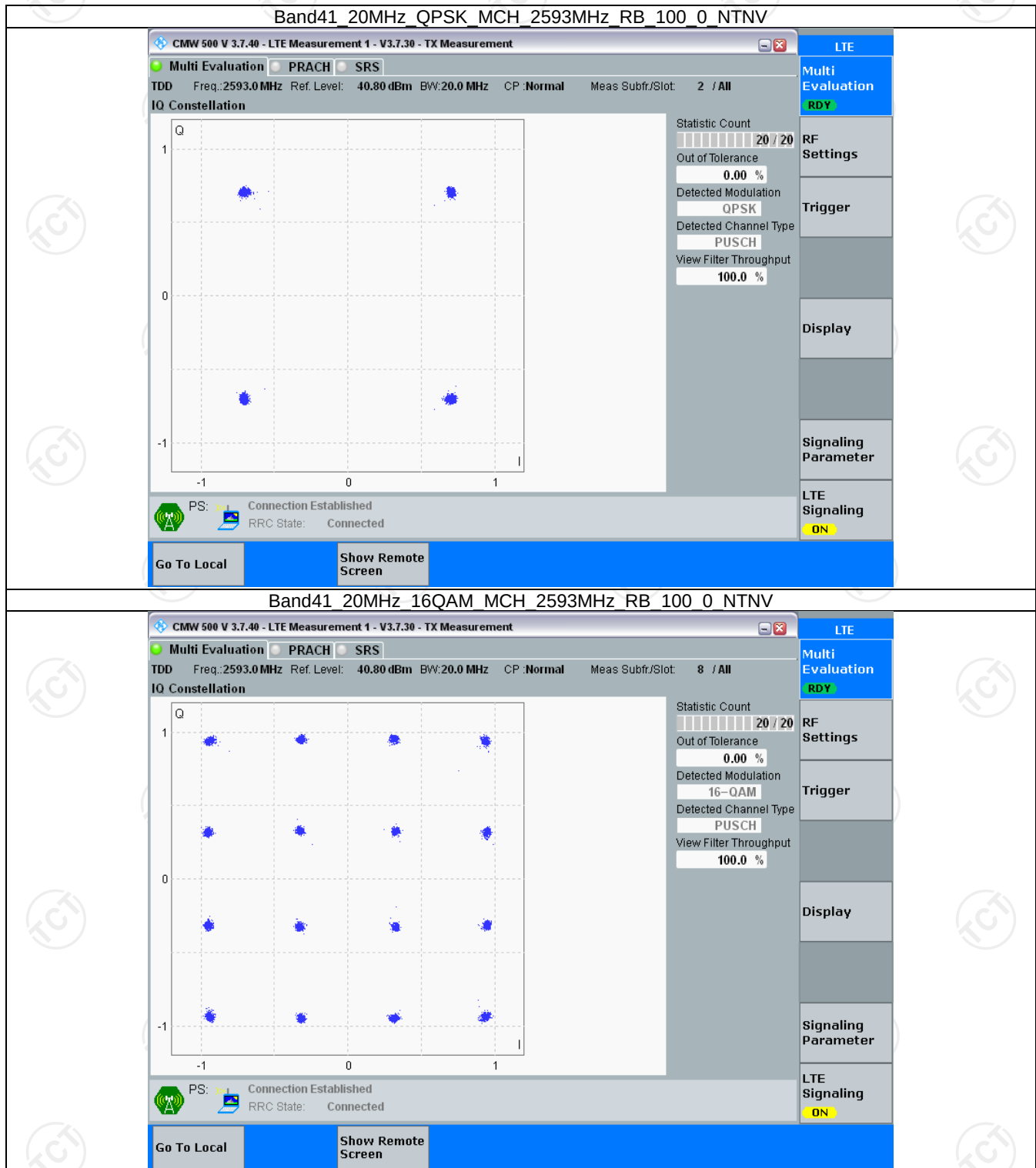
3.2.2 B41_10MHz



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	4.575	/	Pass
		2593	25	0	4.558	/	Pass
		2687.5	25	0	4.556	/	Pass
	16QAM	2498.5	25	0	4.576	/	Pass
		2593	25	0	4.557	/	Pass
		2687.5	25	0	4.594	/	Pass
10	QPSK	2501	50	0	9.079	/	Pass
		2593	50	0	9.061	/	Pass
		2685	50	0	9.075	/	Pass
	16QAM	2501	50	0	9.096	/	Pass
		2593	50	0	9.073	/	Pass
		2685	50	0	9.113	/	Pass
15	QPSK	2503.5	75	0	13.596	/	Pass
		2593	75	0	13.584	/	Pass
		2682.5	75	0	13.648	/	Pass
	16QAM	2503.5	75	0	13.674	/	Pass
		2593	75	0	13.638	/	Pass
		2682.5	75	0	13.639	/	Pass
20	QPSK	2506	100	0	18.166	/	Pass
		2593	100	0	18.105	/	Pass
		2680	100	0	18.138	/	Pass
	16QAM	2506	100	0	18.124	/	Pass
		2593	100	0	18.131	/	Pass
		2680	100	0	18.103	/	Pass

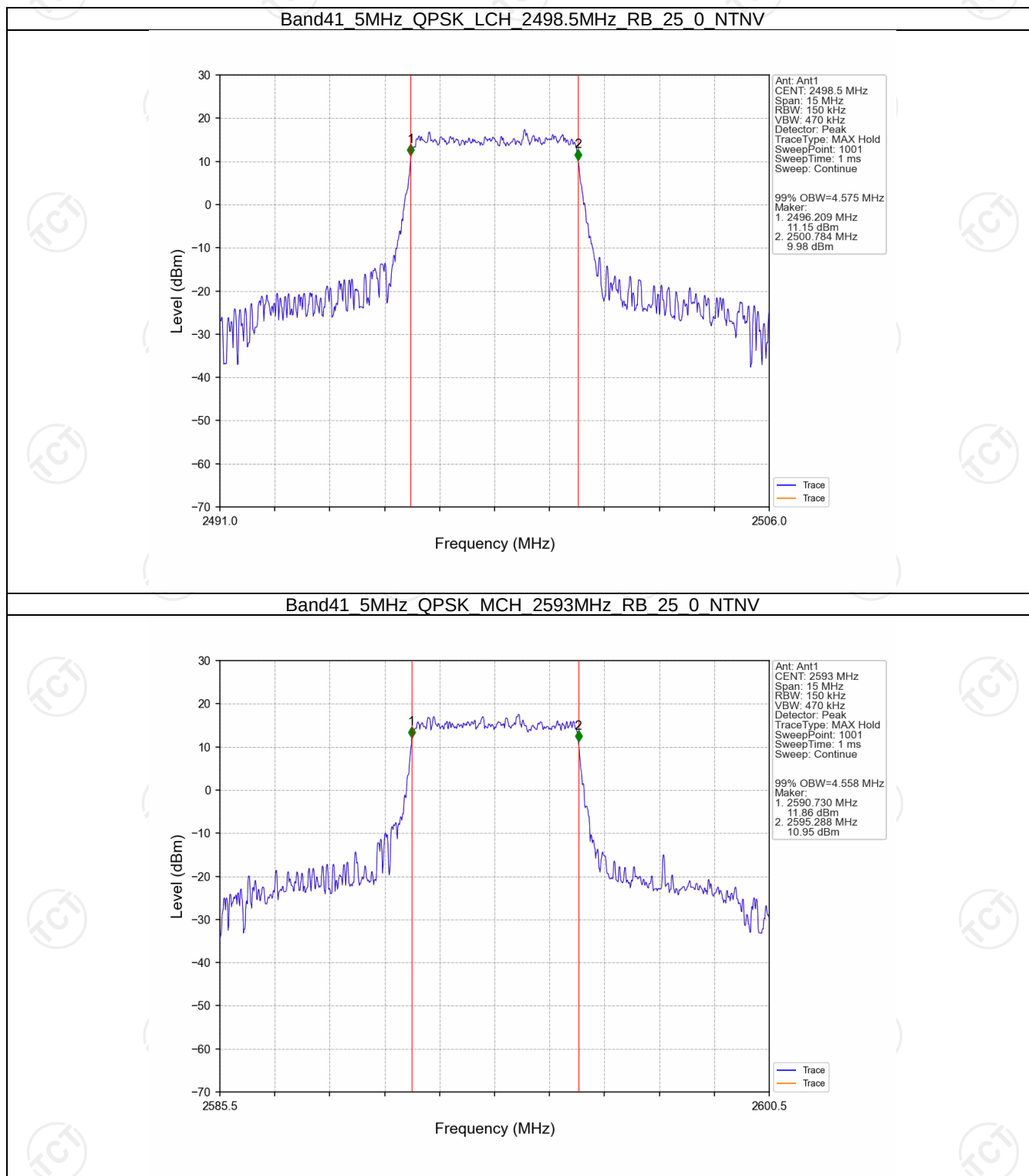
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.280	/	Pass
		2593	25	0	5.360	/	Pass
		2687.5	25	0	5.339	/	Pass
	16QAM	2498.5	25	0	5.402	/	Pass
		2593	25	0	5.231	/	Pass
		2687.5	25	0	5.548	/	Pass
10	QPSK	2501	50	0	10.279	/	Pass
		2593	50	0	10.293	/	Pass
		2685	50	0	10.342	/	Pass
	16QAM	2501	50	0	11.262	/	Pass
		2593	50	0	10.135	/	Pass
		2685	50	0	10.172	/	Pass
15	QPSK	2503.5	75	0	15.915	/	Pass
		2593	75	0	15.571	/	Pass
		2682.5	75	0	15.511	/	Pass

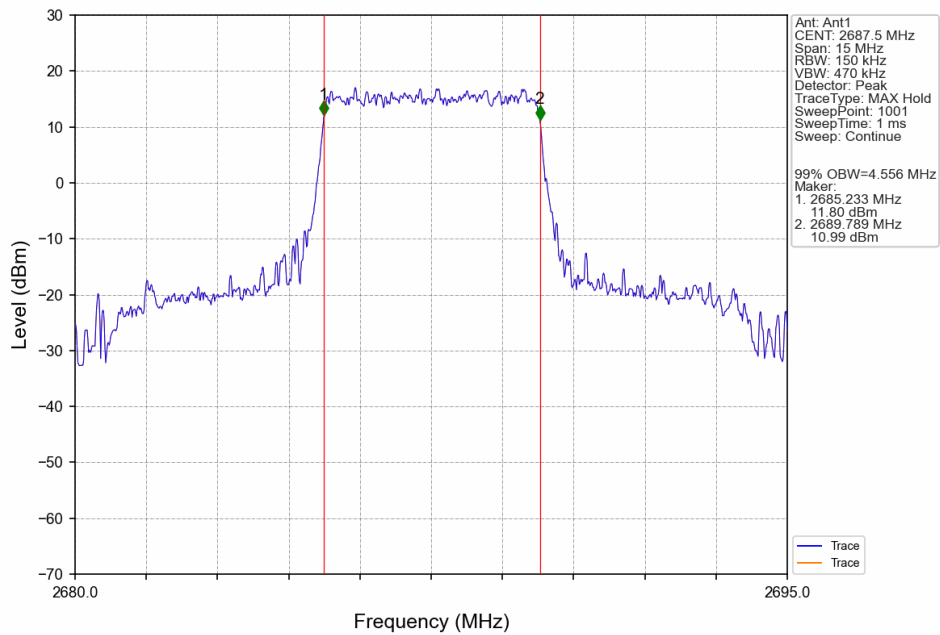
20	16QAM	2503.5	75	0	16.527	/	Pass
		2593	75	0	15.268	/	Pass
		2682.5	75	0	16.627	/	Pass
	QPSK	2506	100	0	20.740	/	Pass
		2593	100	0	20.096	/	Pass
		2680	100	0	20.156	/	Pass
	16QAM	2506	100	0	19.991	/	Pass
		2593	100	0	20.454	/	Pass
		2680	100	0	20.009	/	Pass

4.2 Test Graph

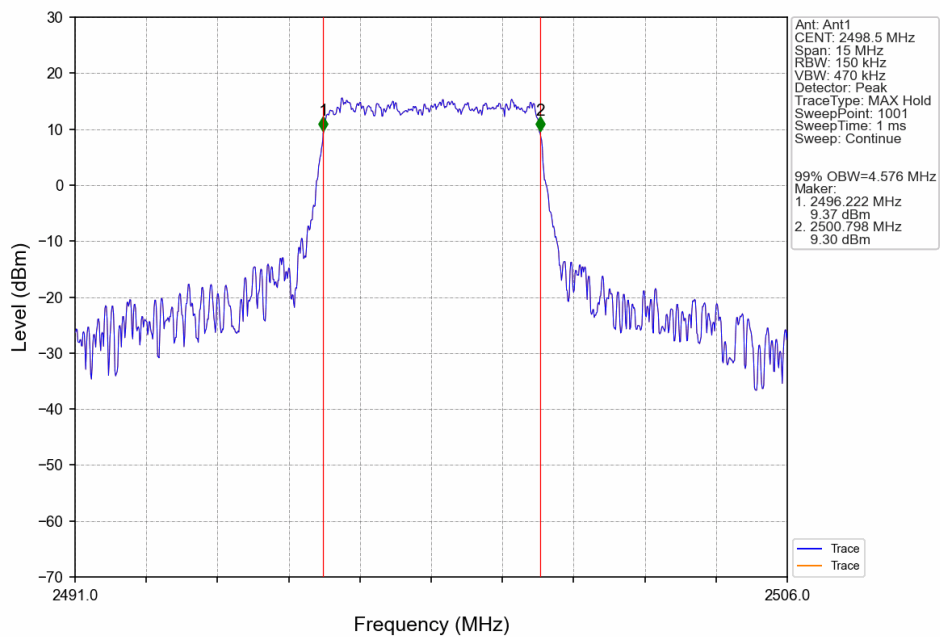
4.2.1 Band41_OBW



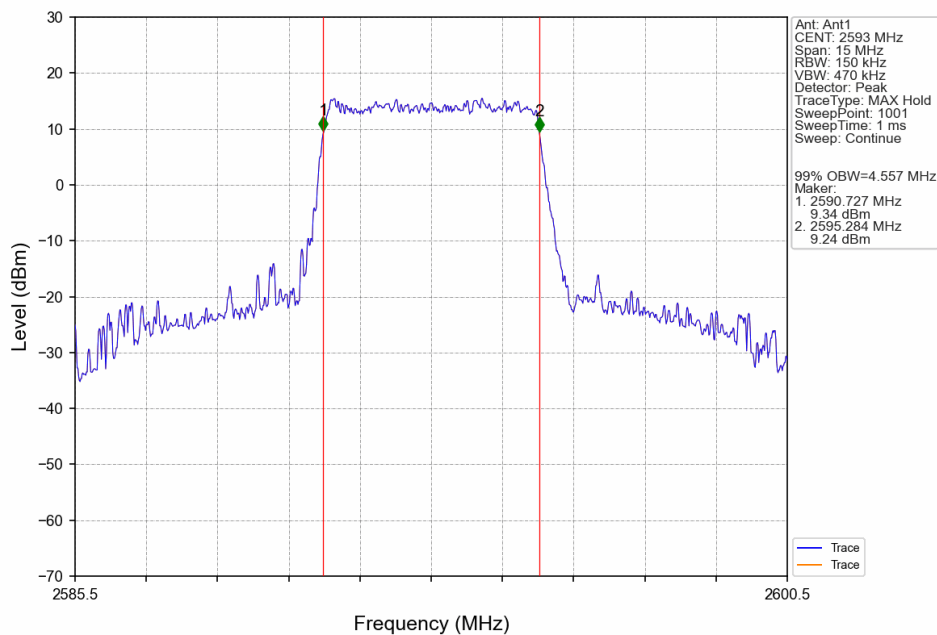
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



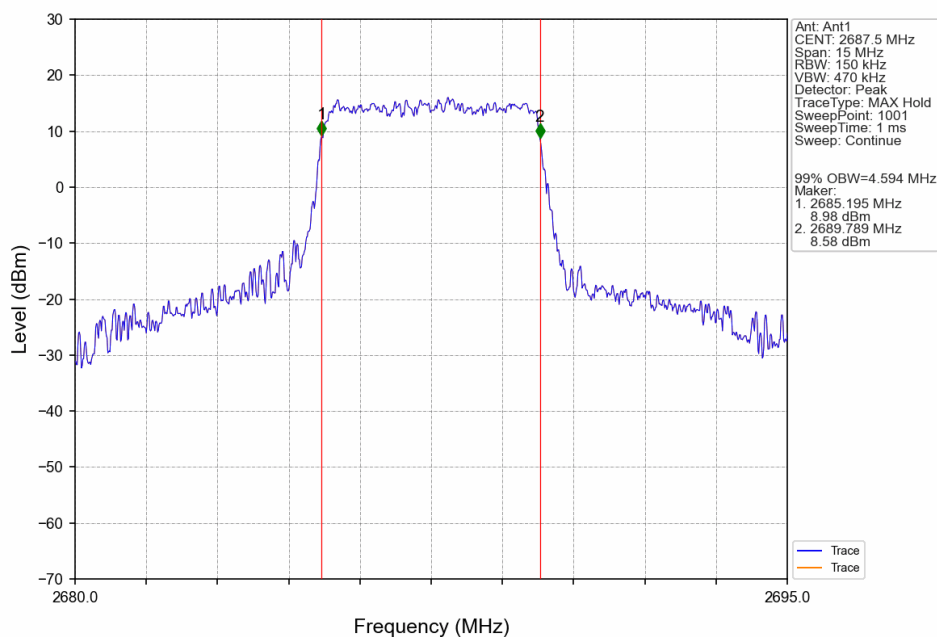
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



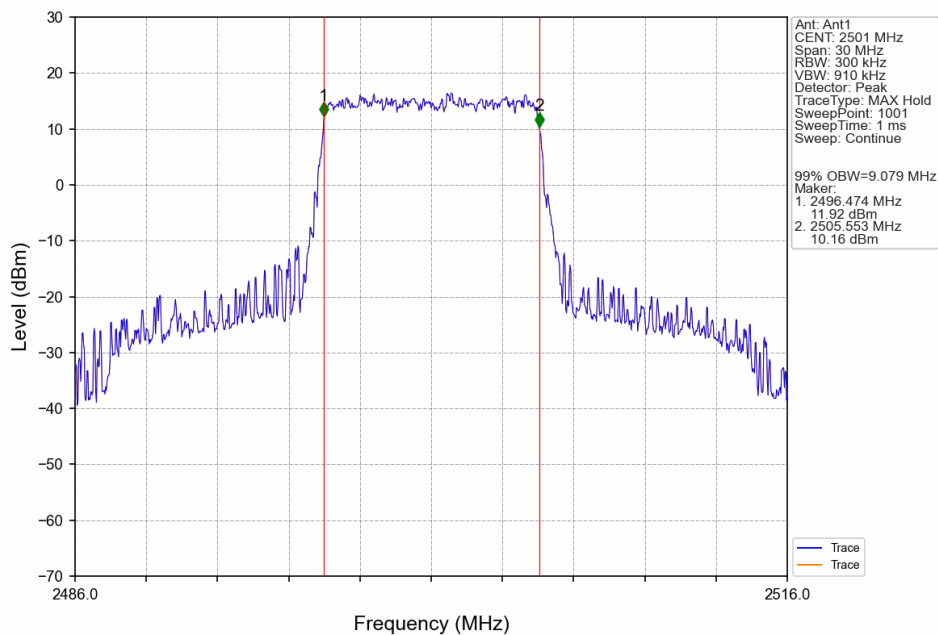
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



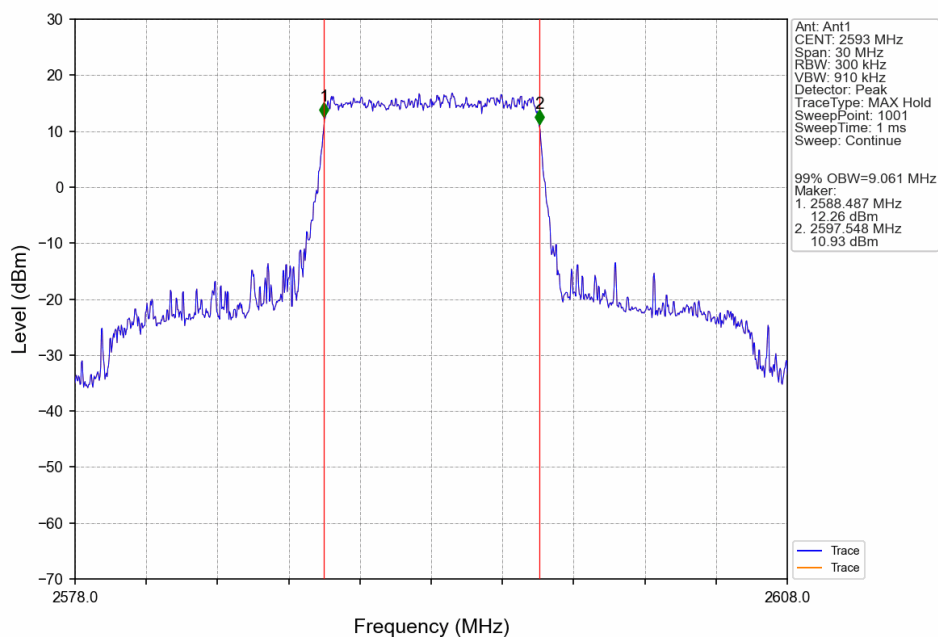
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



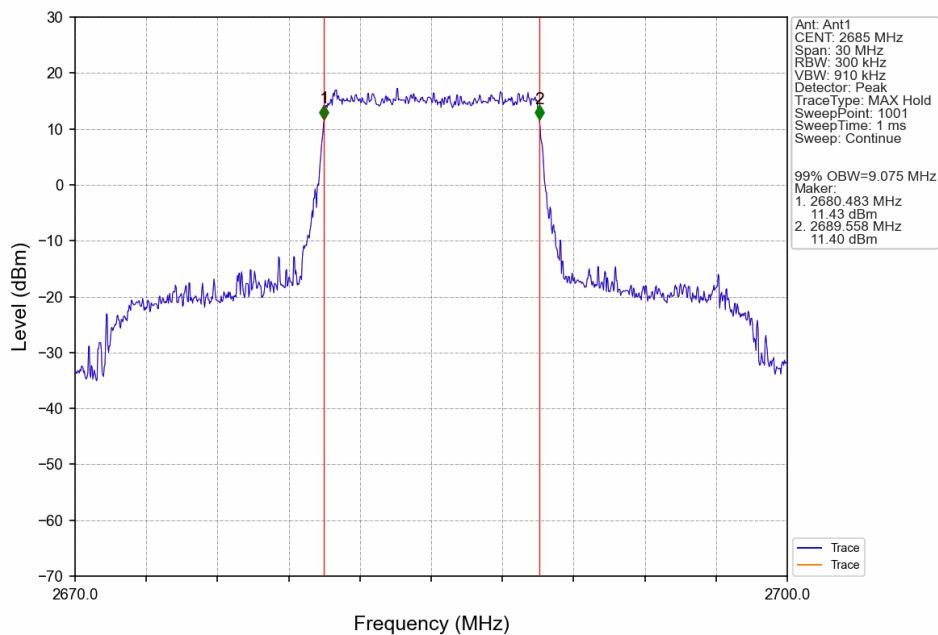
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



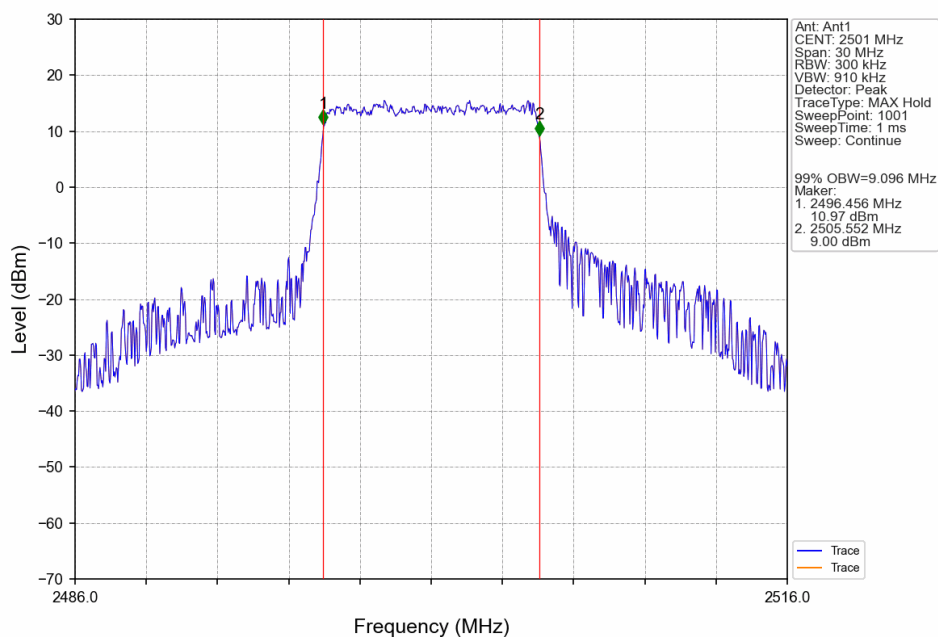
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



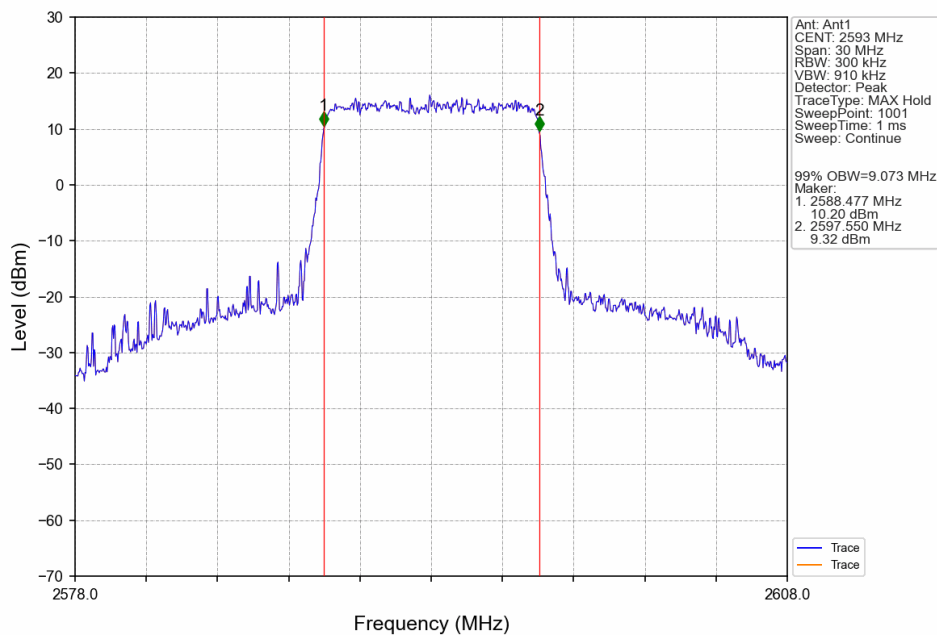
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



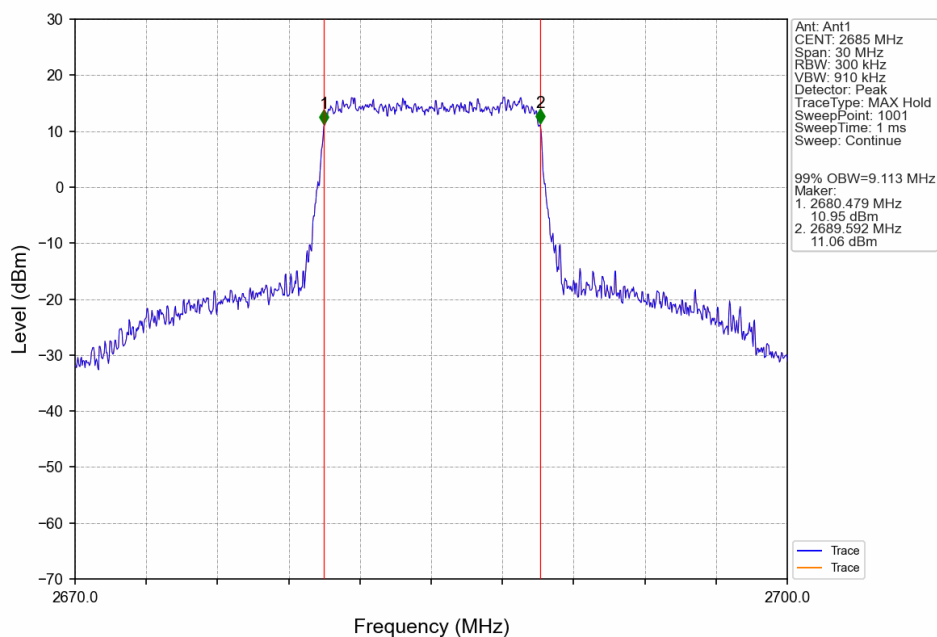
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



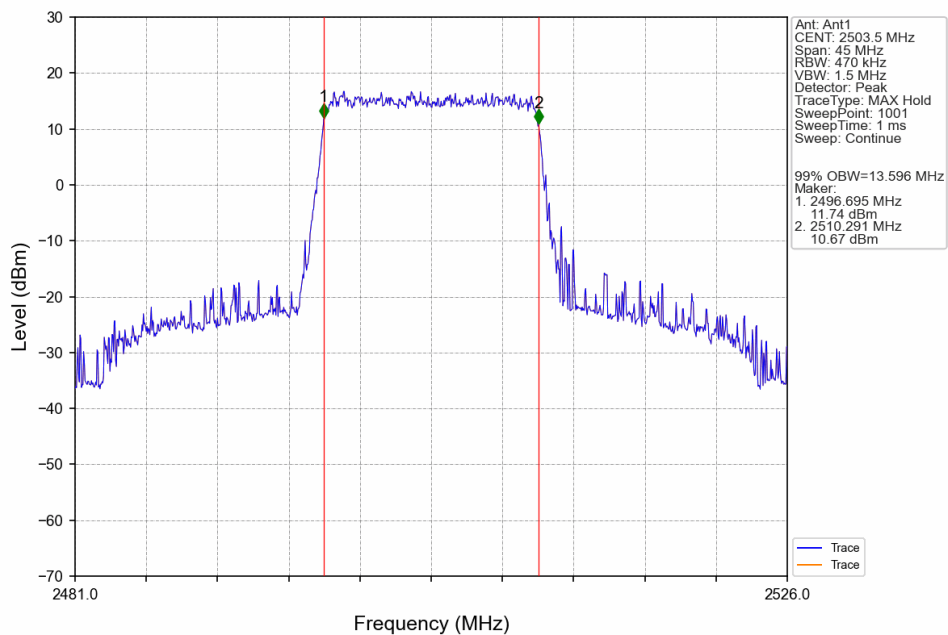
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTN



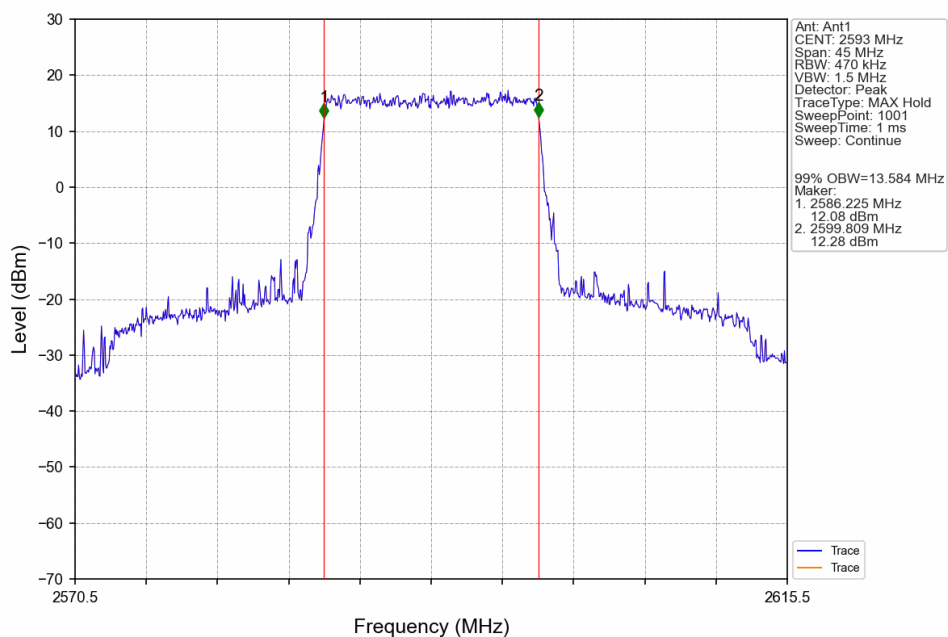
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTN



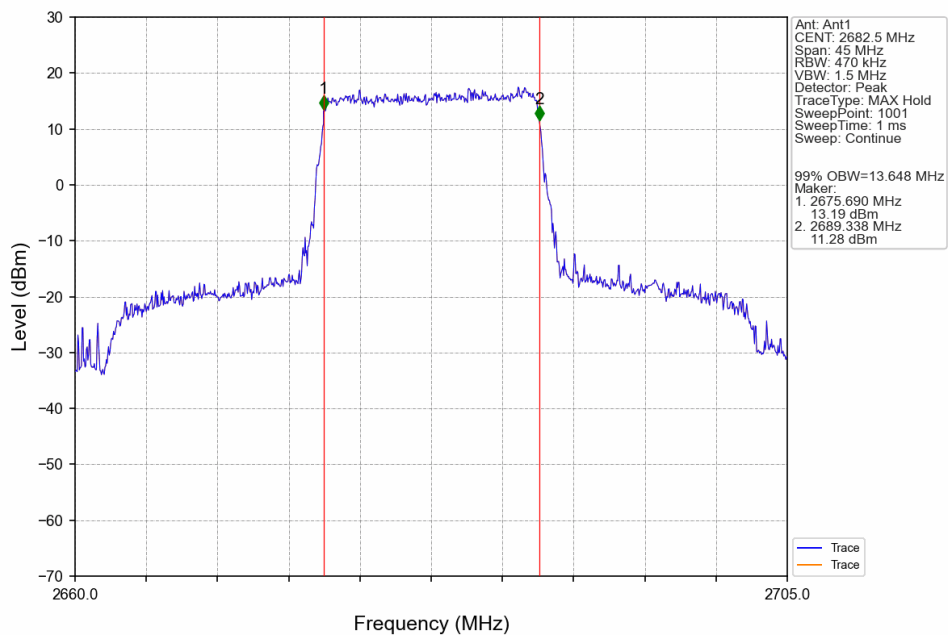
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



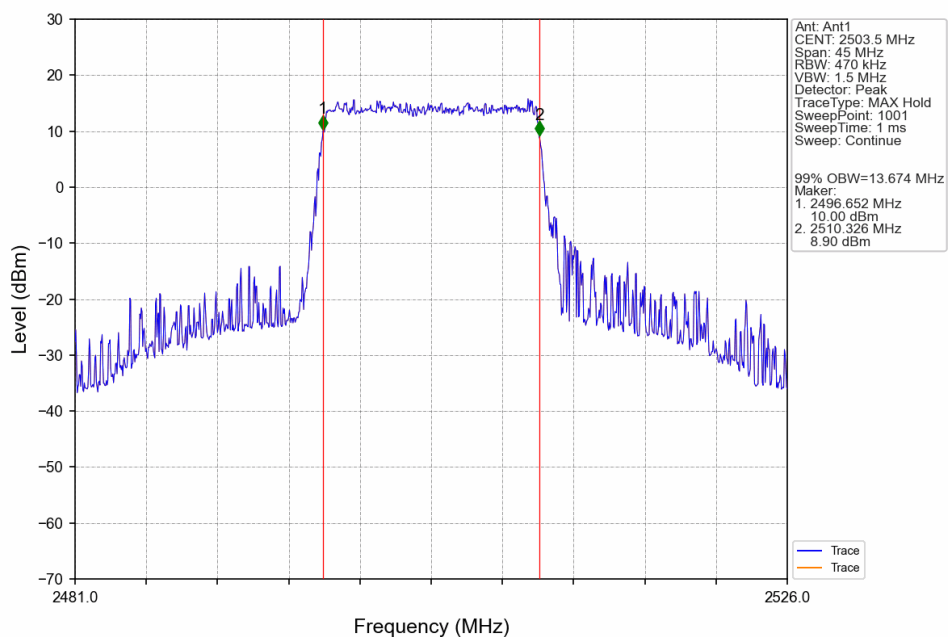
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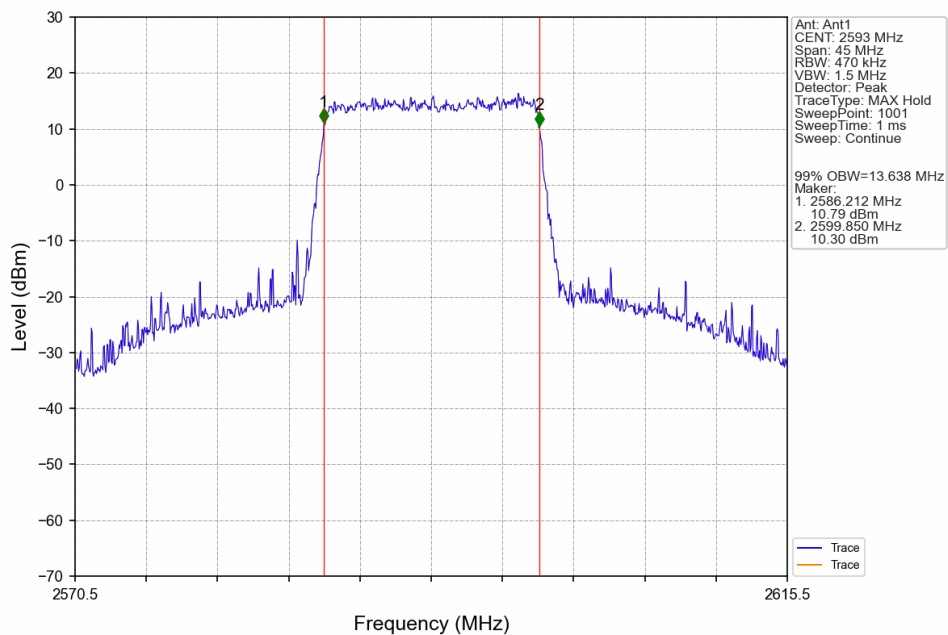
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



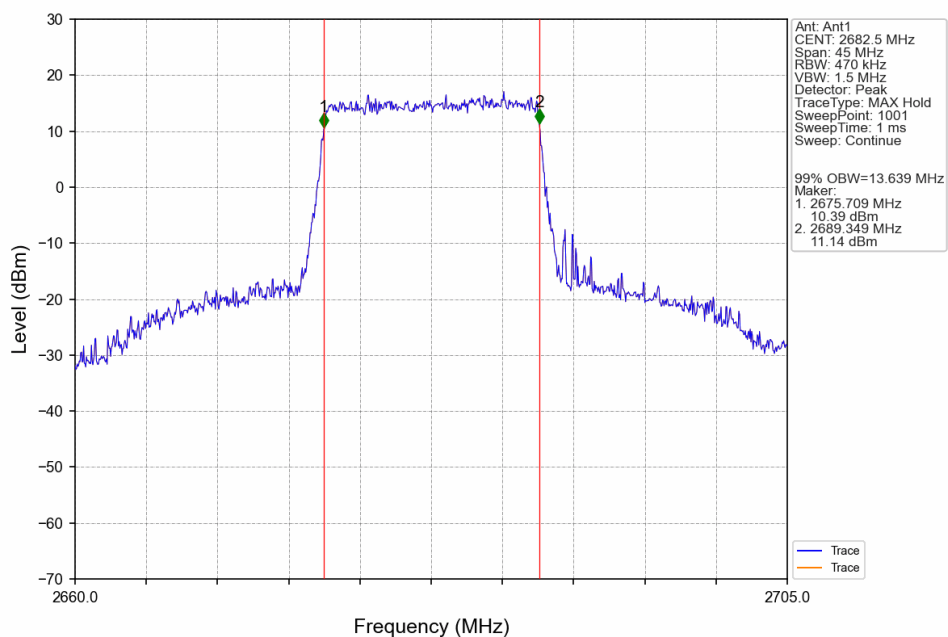
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



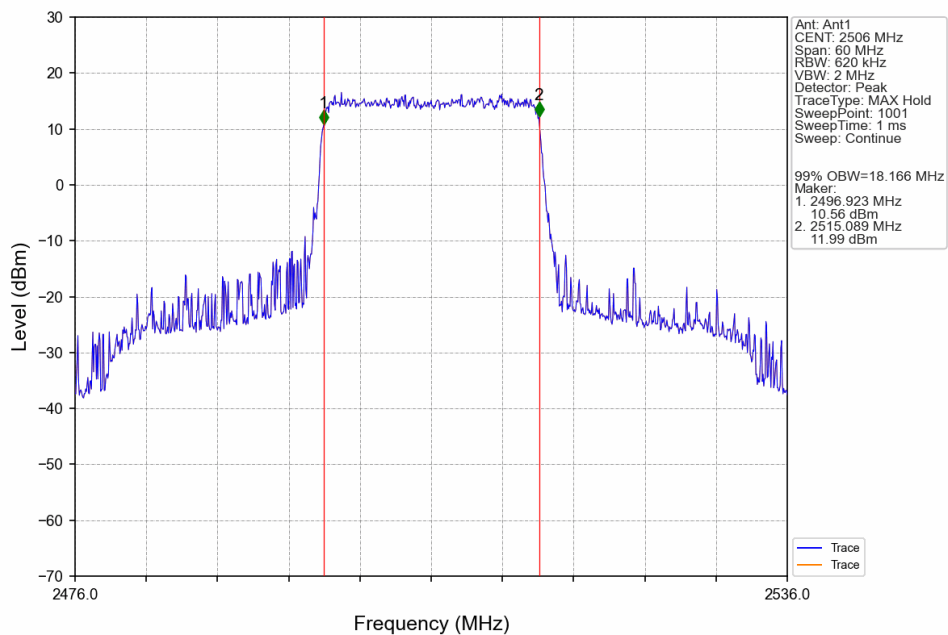
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



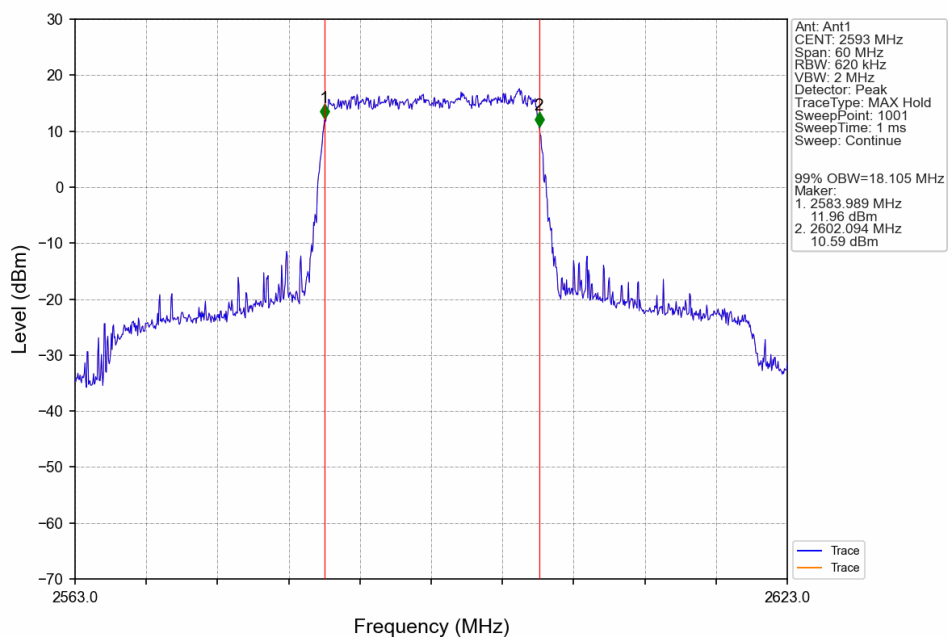
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



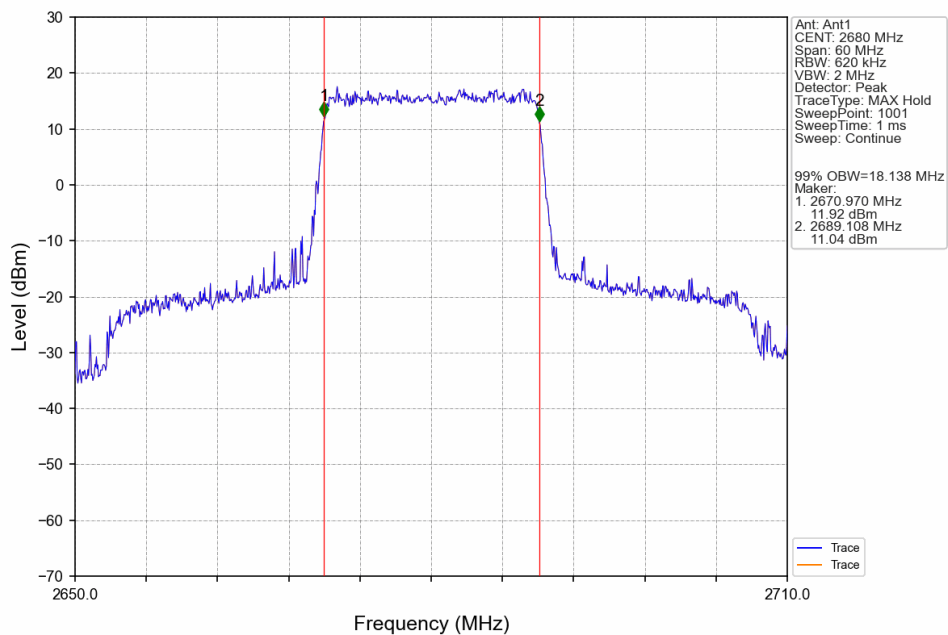
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



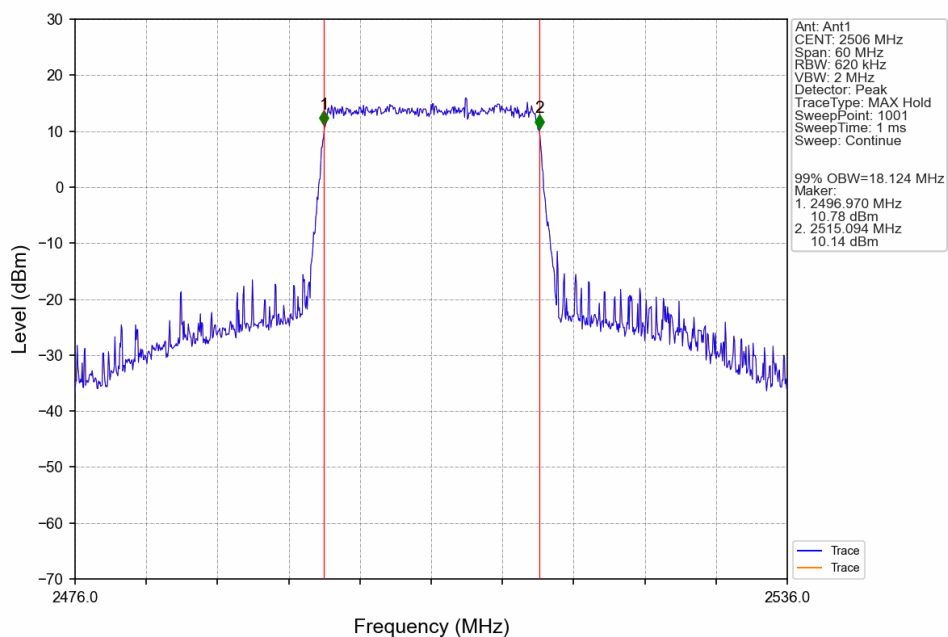
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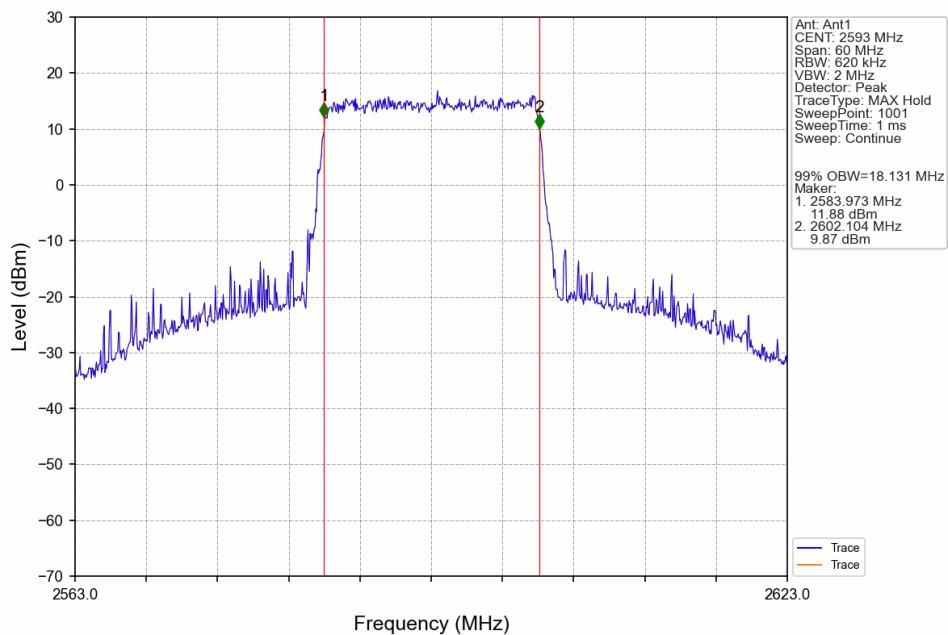
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



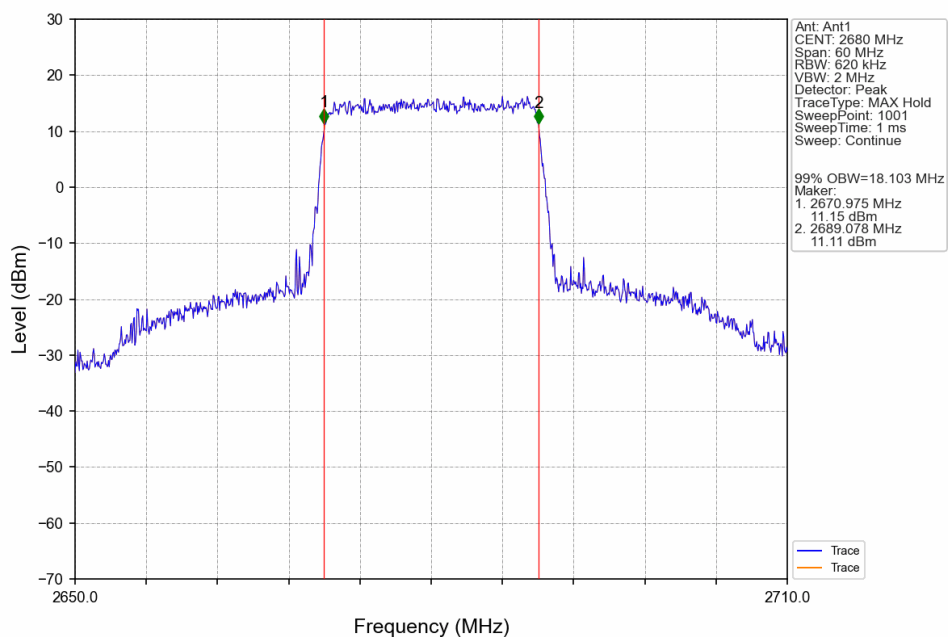
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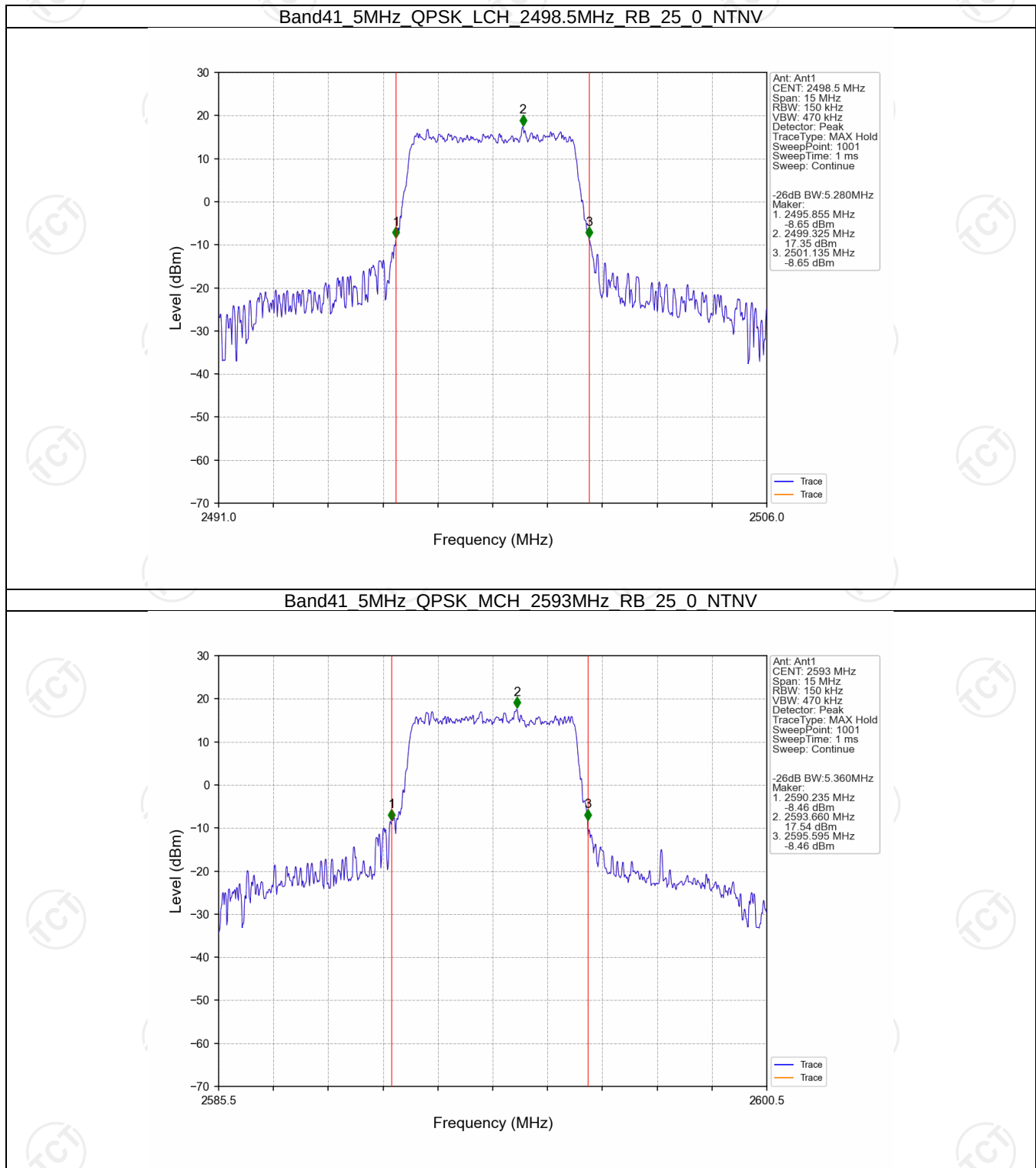
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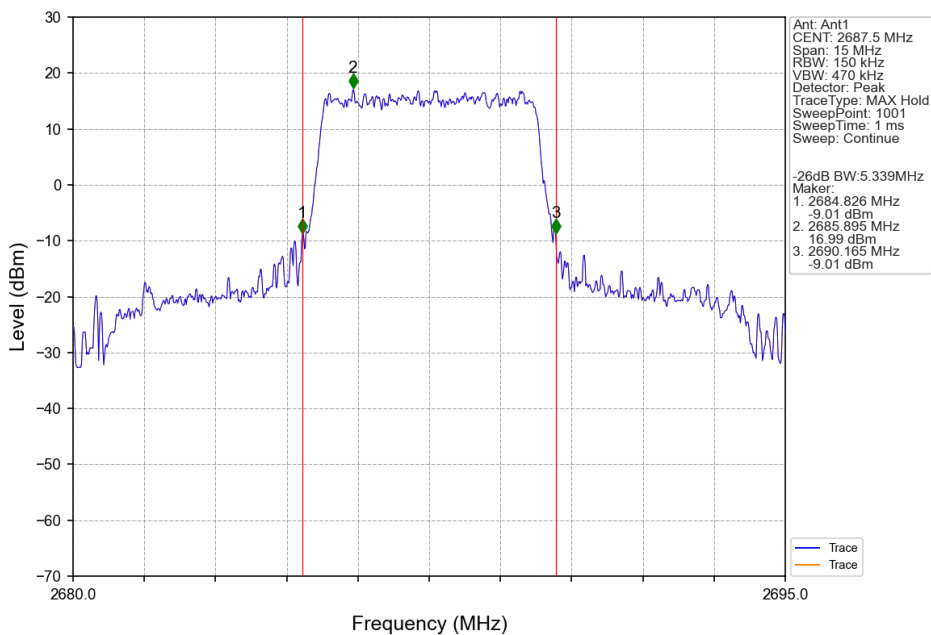
Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



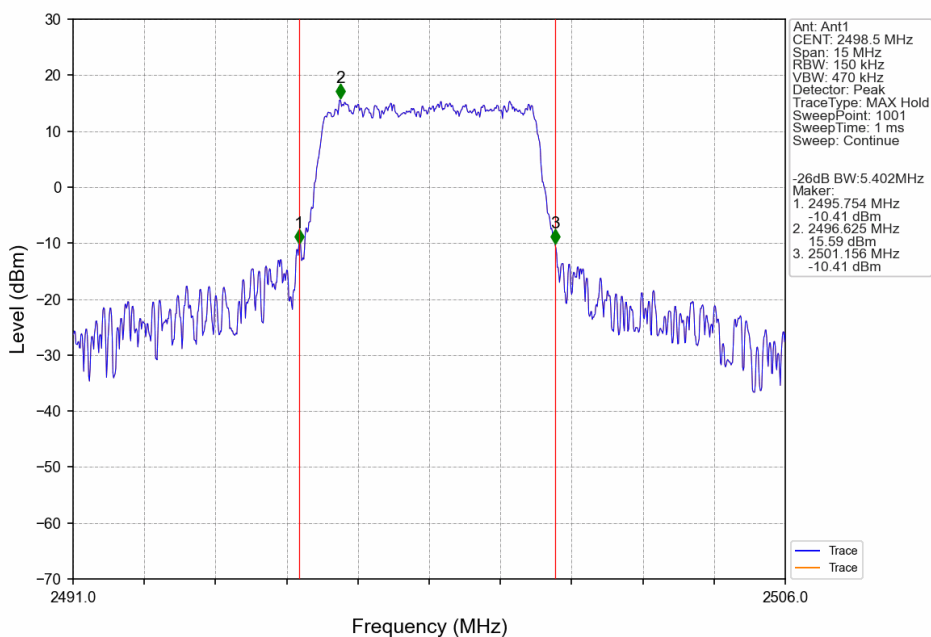
4.2.2 Band41_XDB



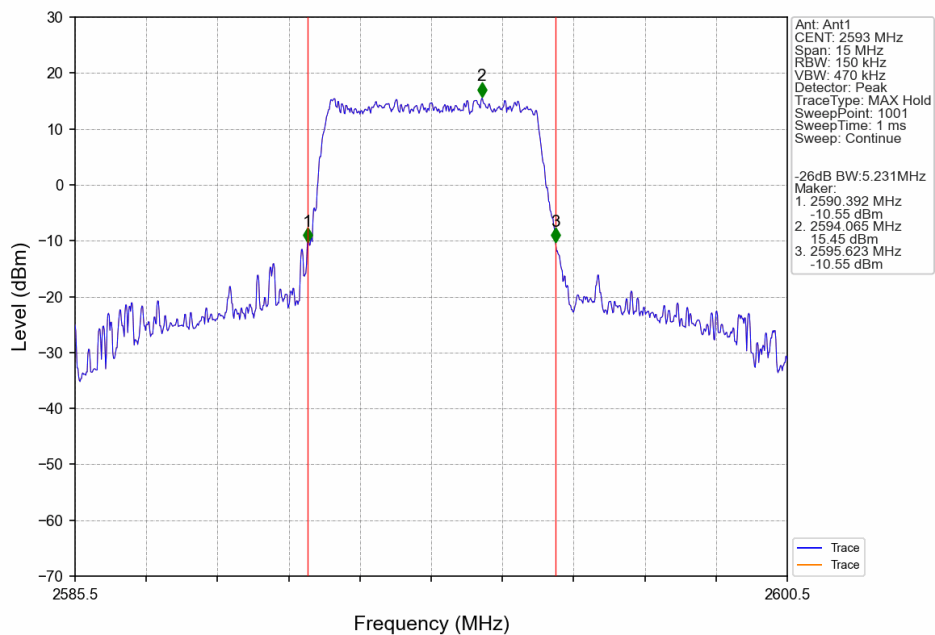
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



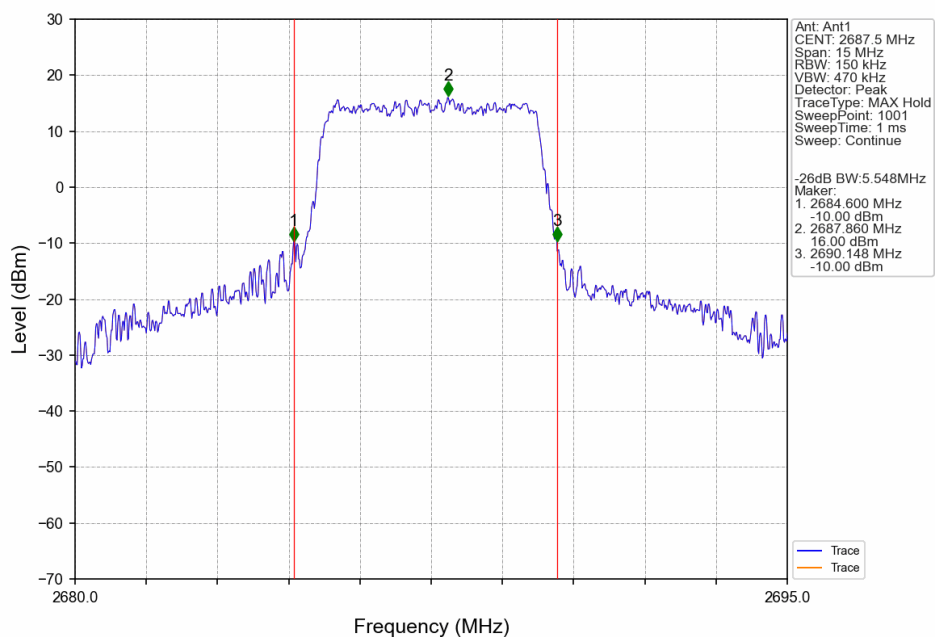
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTNV



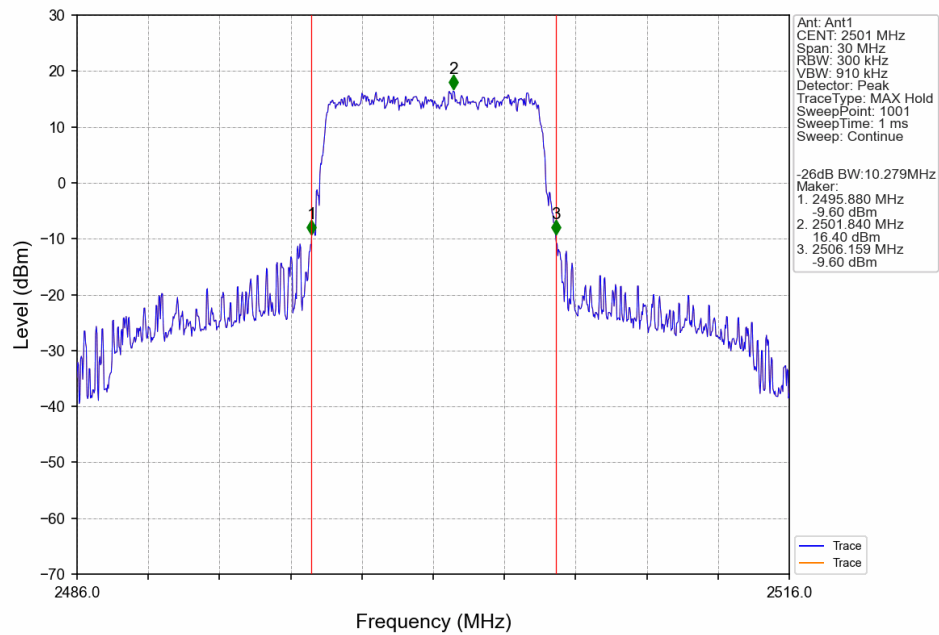
Band41 5MHz 16QAM MCH 2593MHz RB 25 0 NTNV



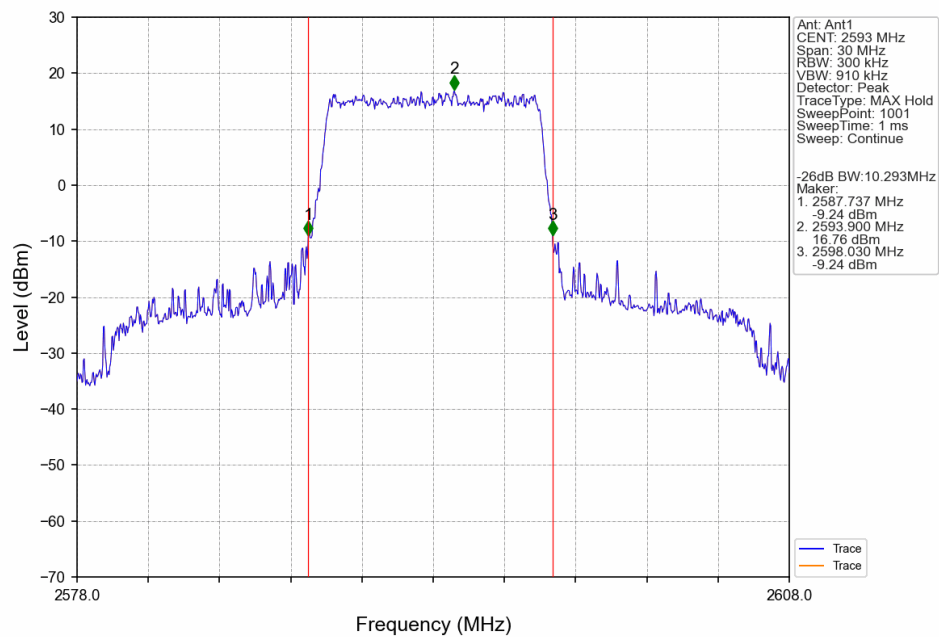
Band41 5MHz 16QAM HCH 2687.5MHz RB 25 0 NTNV



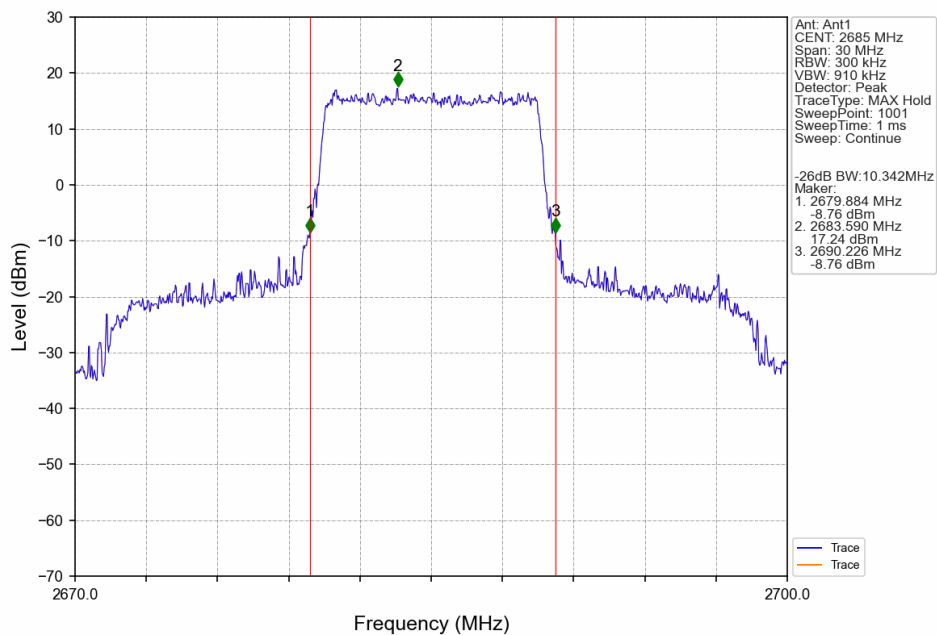
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



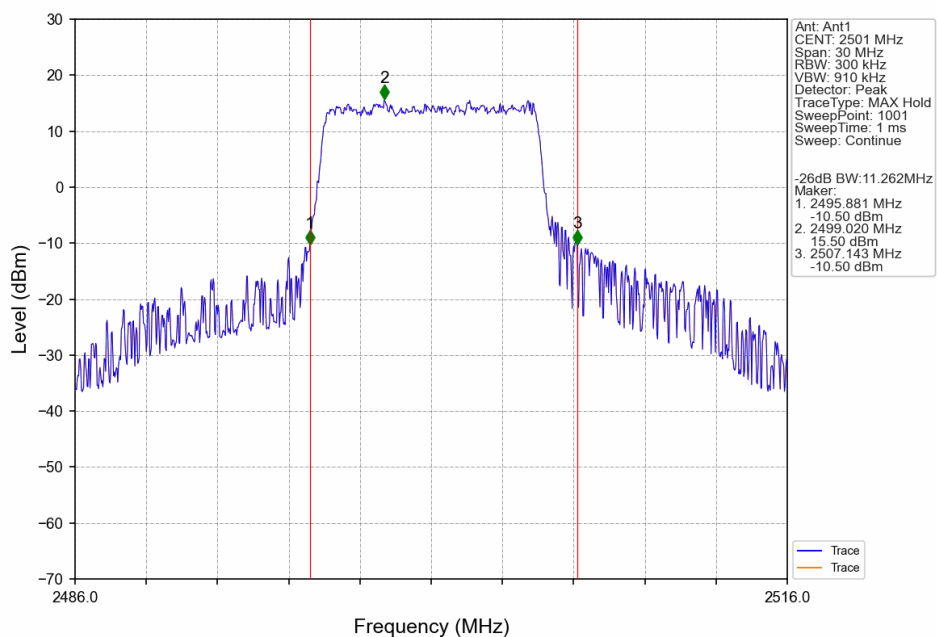
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



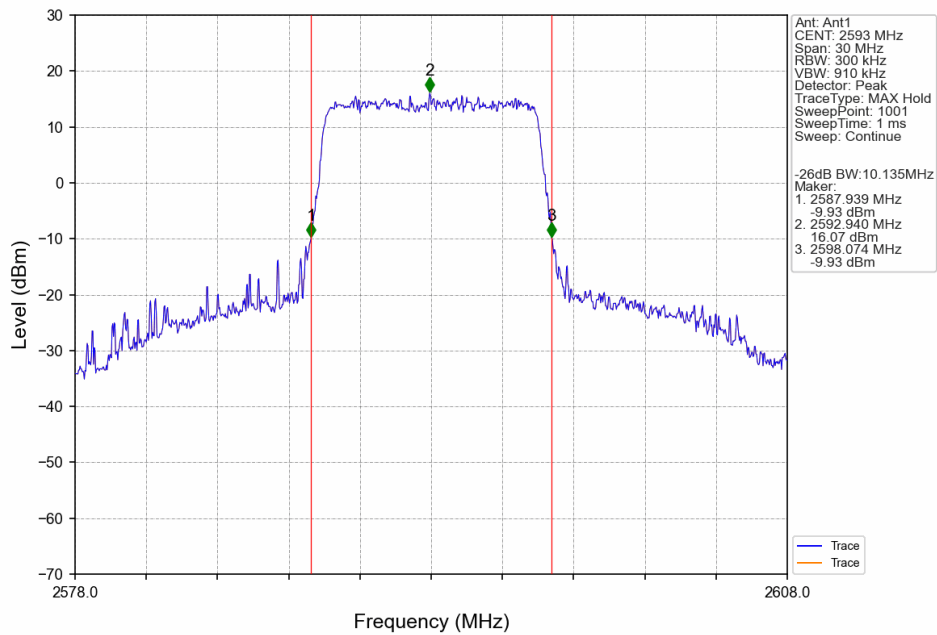
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



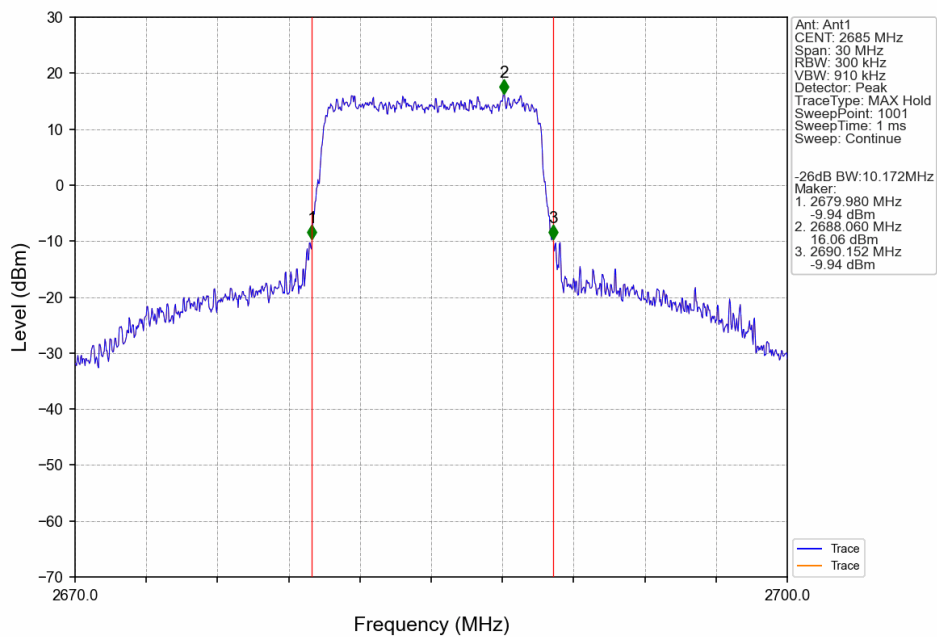
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



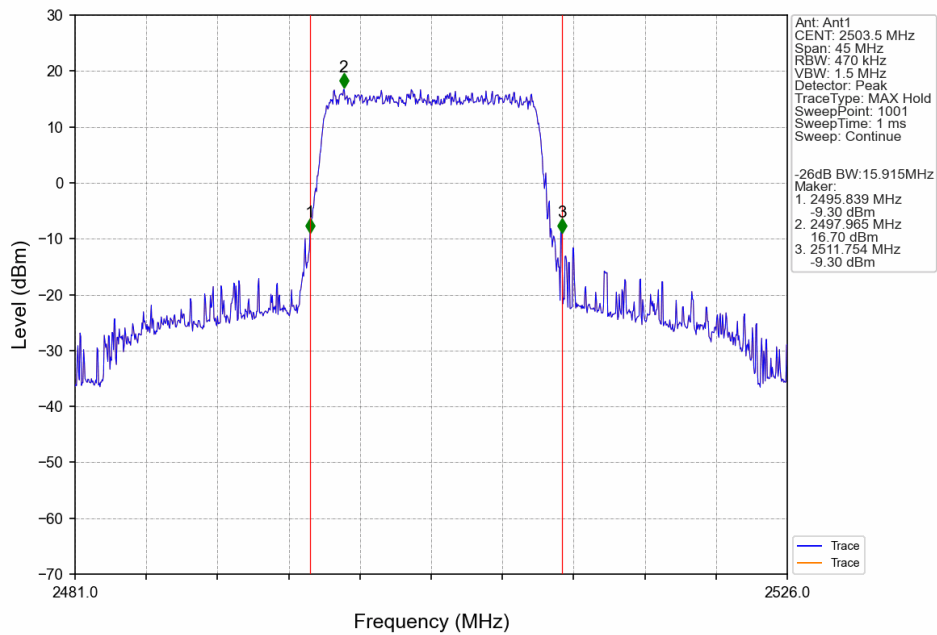
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



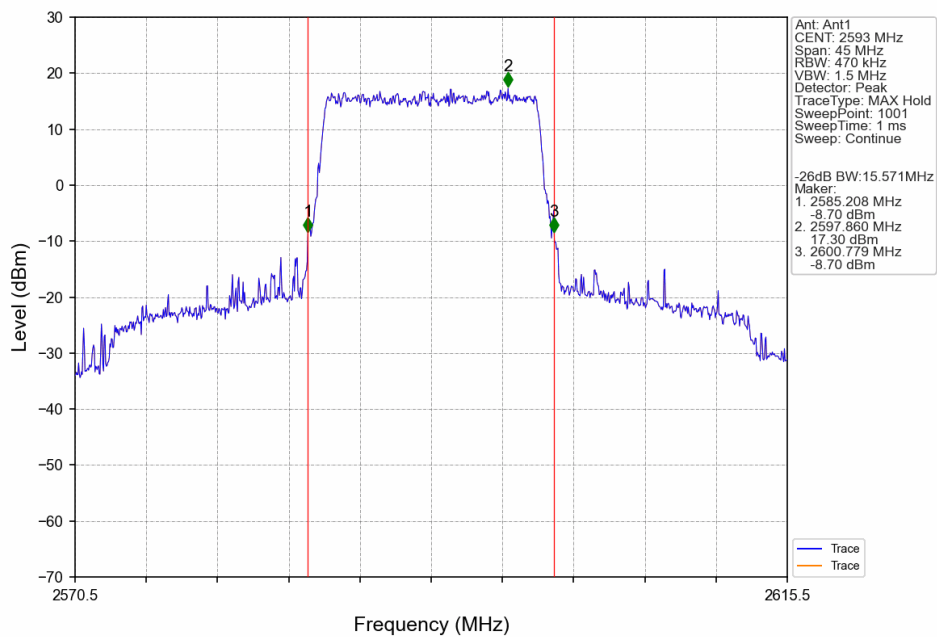
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



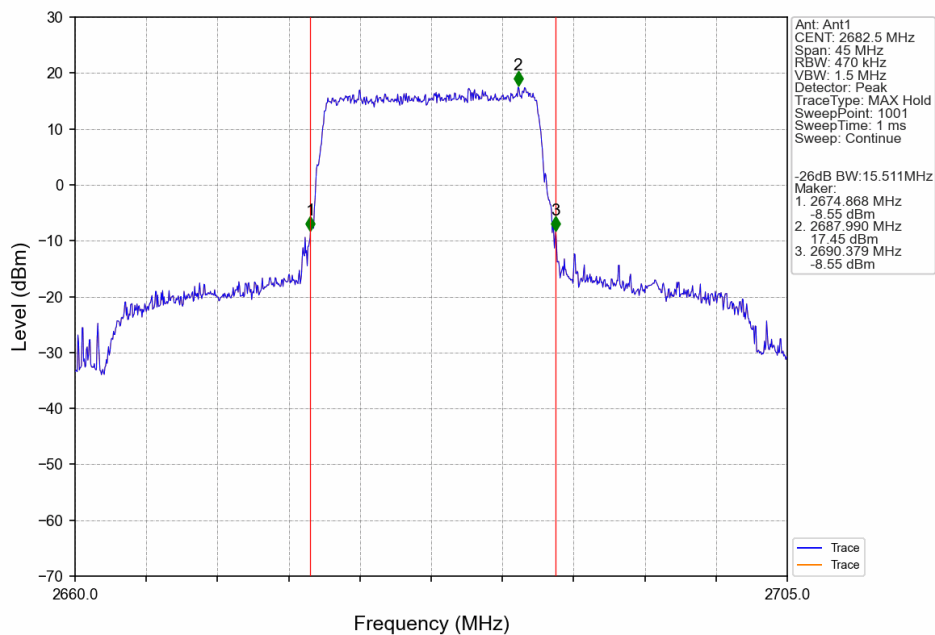
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



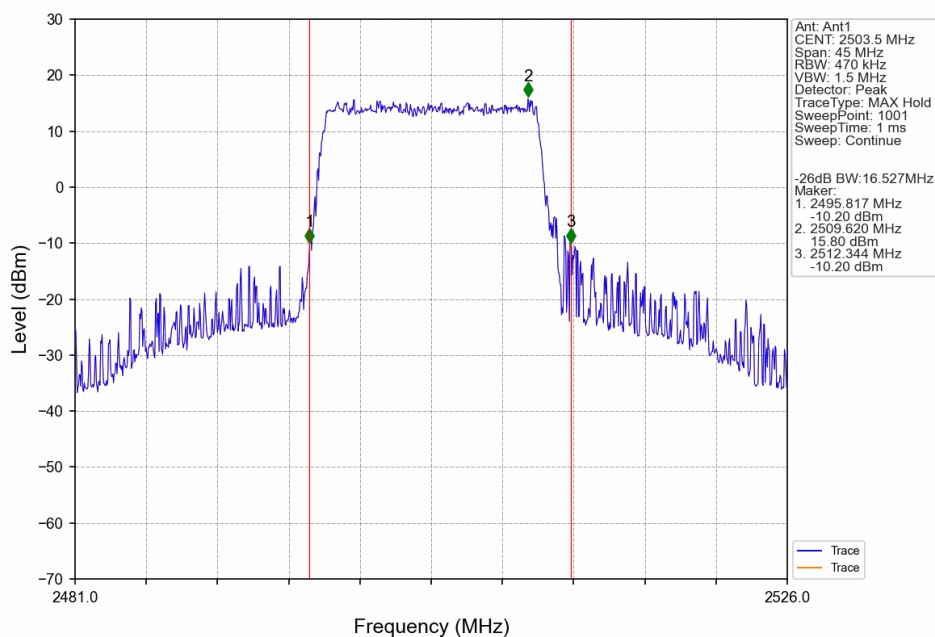
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



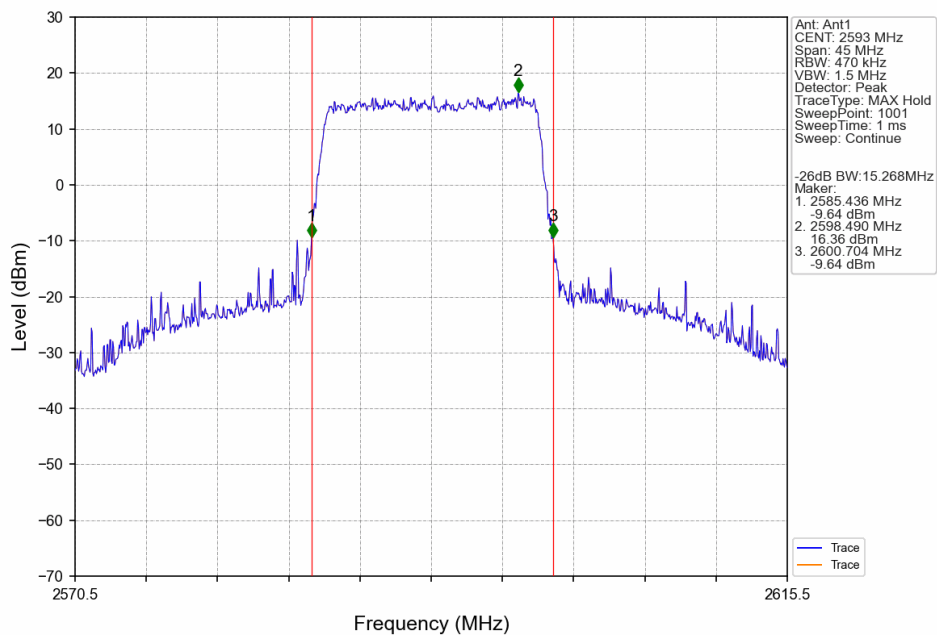
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN



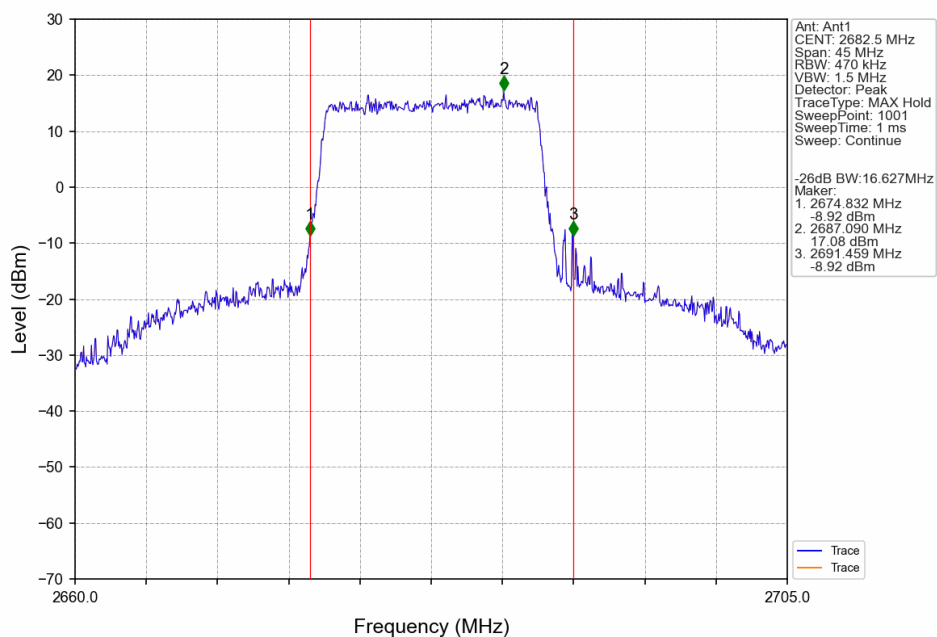
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTN



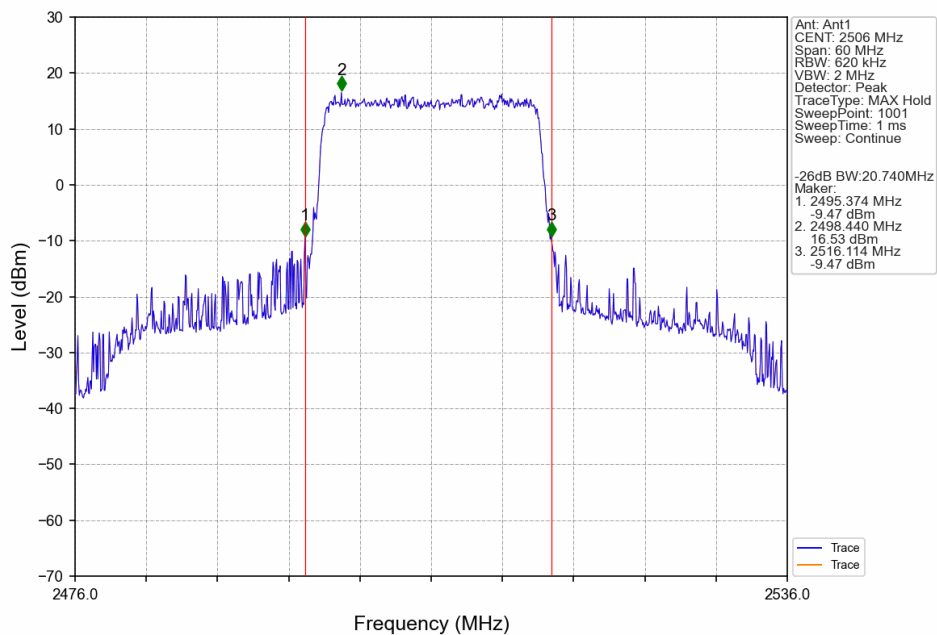
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



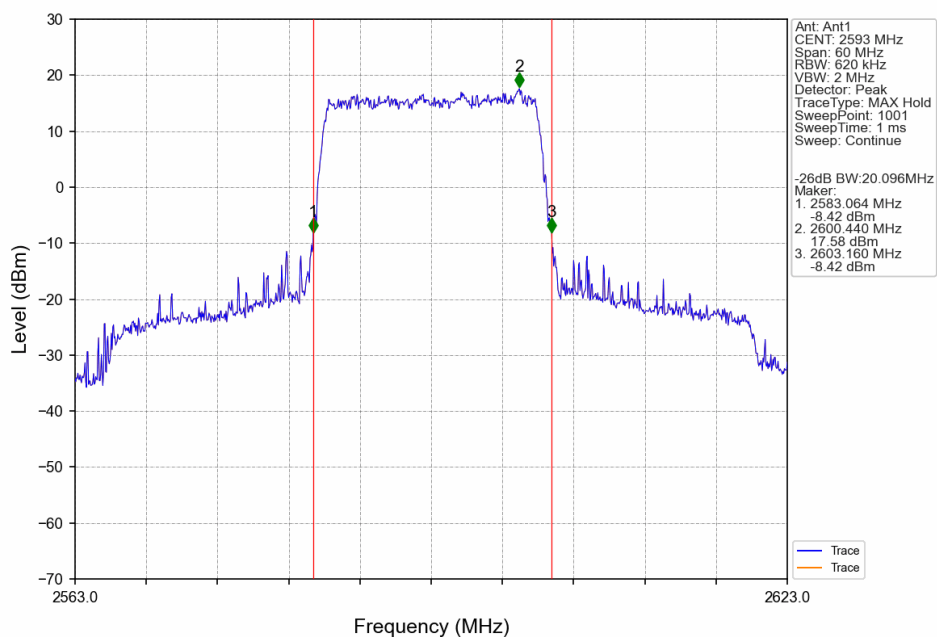
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



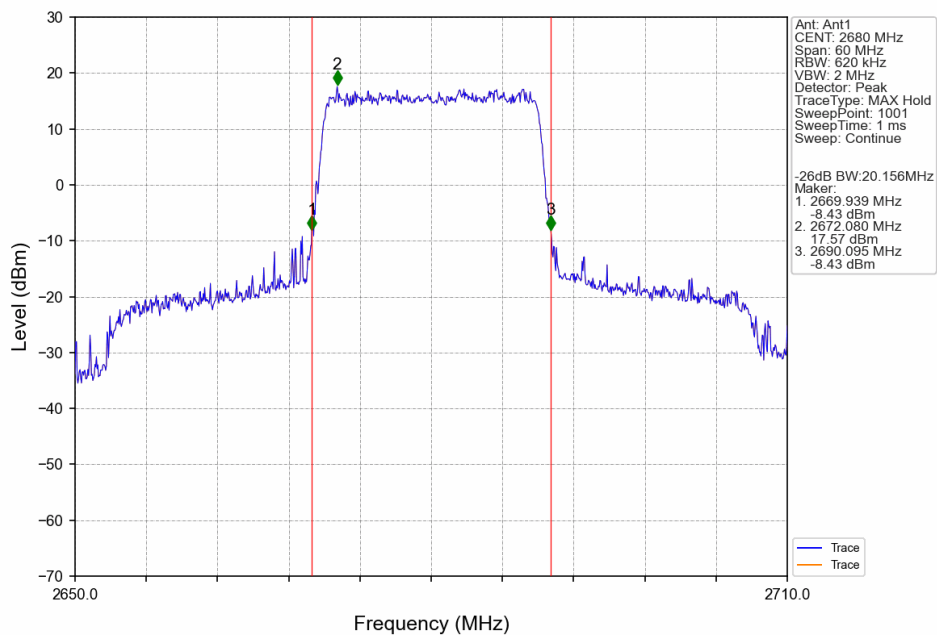
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



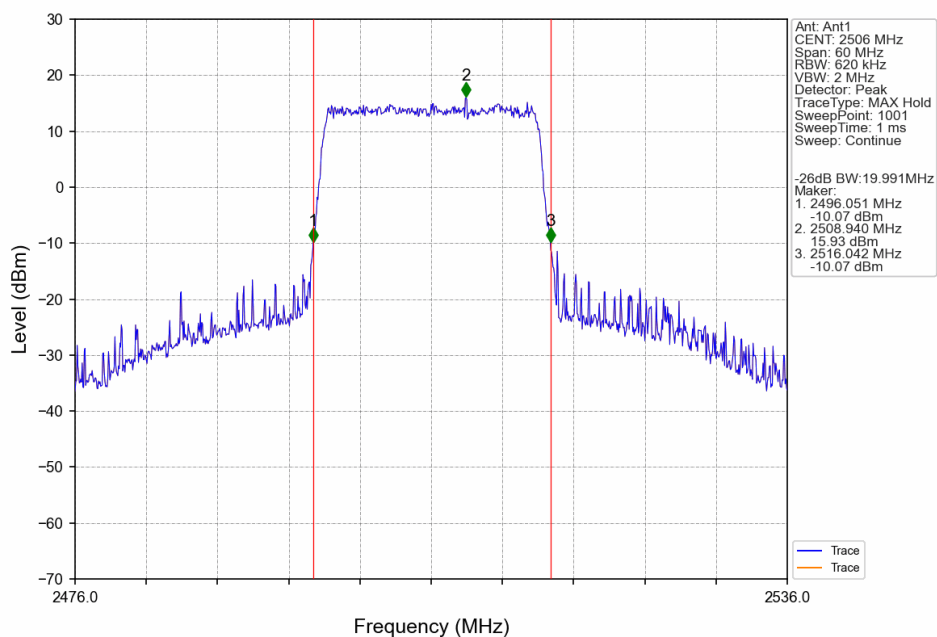
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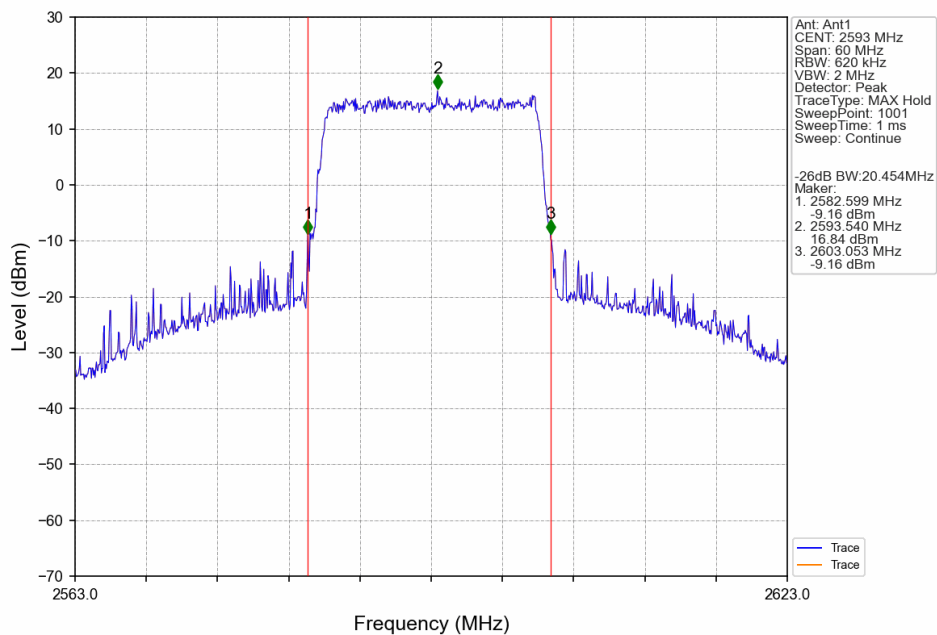
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



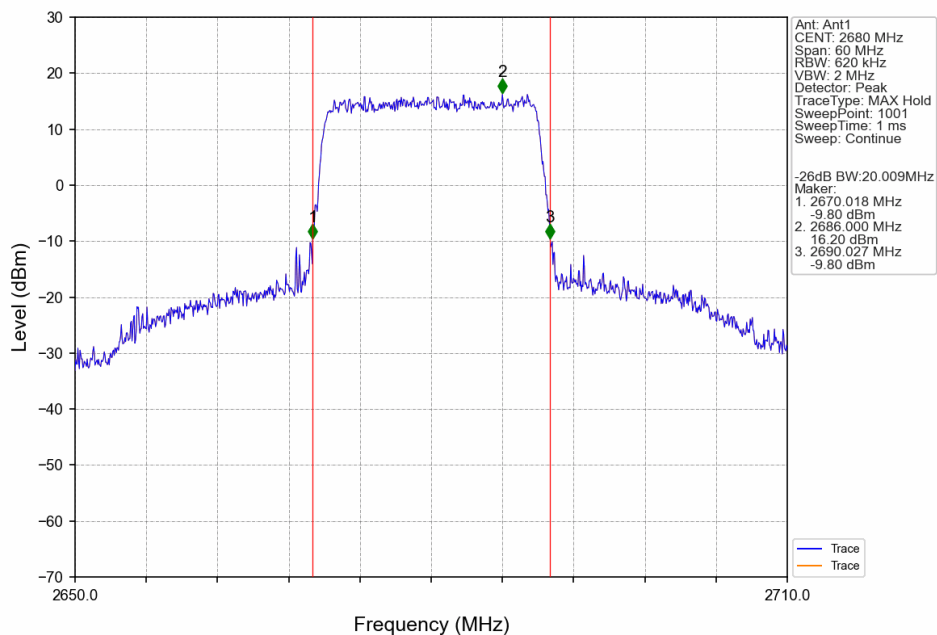
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV



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	7.46	<=13	Pass
	2593	25	0	7.53	<=13	Pass
	2687.5	25	0	7.38	<=13	Pass
16QAM	2498.5	25	0	8.14	<=13	Pass
	2593	25	0	7.93	<=13	Pass
	2687.5	25	0	7.94	<=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	7.42	<=13	Pass
	2593	50	0	7.52	<=13	Pass
	2685	50	0	7.25	<=13	Pass
16QAM	2501	50	0	8.27	<=13	Pass
	2593	50	0	8.14	<=13	Pass
	2685	50	0	7.90	<=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	7.82	<=13	Pass
	2593	75	0	7.88	<=13	Pass
	2682.5	75	0	7.28	<=13	Pass
16QAM	2503.5	75	0	8.34	<=13	Pass
	2593	75	0	8.37	<=13	Pass
	2682.5	75	0	7.96	<=13	Pass

5.1.4 B41_20MHz

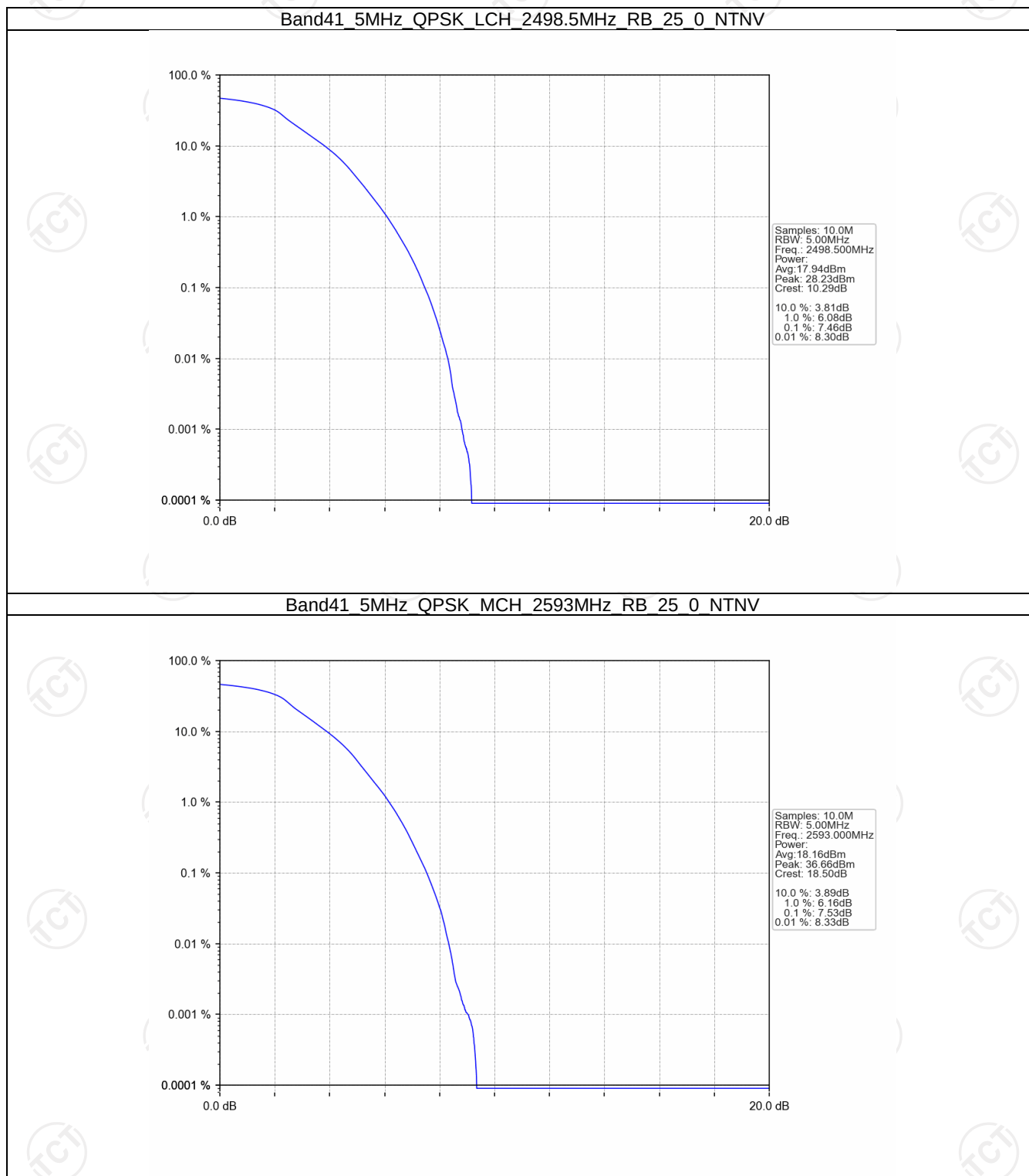
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.52	<=13	Pass
	2593	100	0	7.14	<=13	Pass
	2680	100	0	7.16	<=13	Pass
16QAM	2506	100	0	8.34	<=13	Pass
	2593	100	0	8.14	<=13	Pass

	2680	100	0	7.98	<=13	Pass
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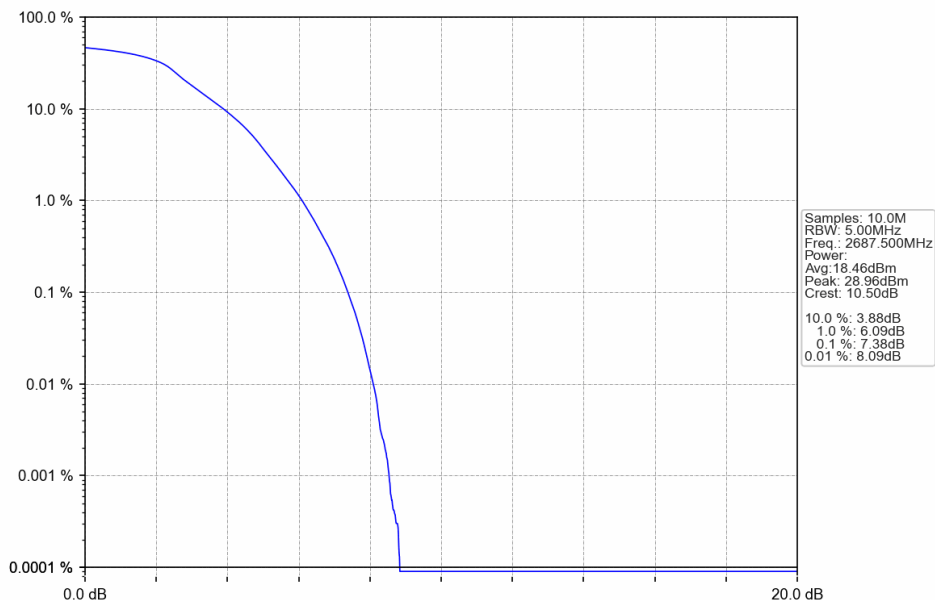


5.2 Test Graph

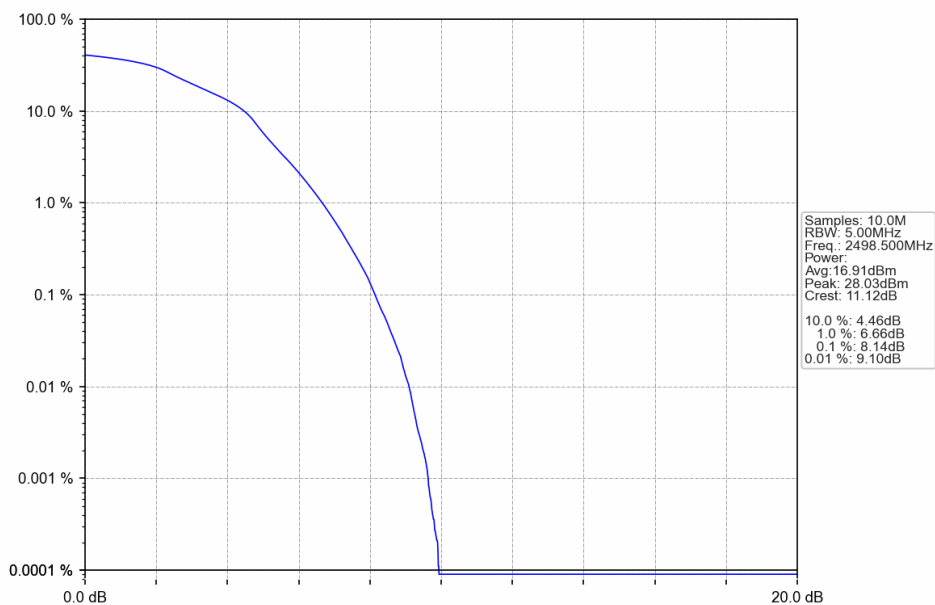
5.2.1 B41_5MHz



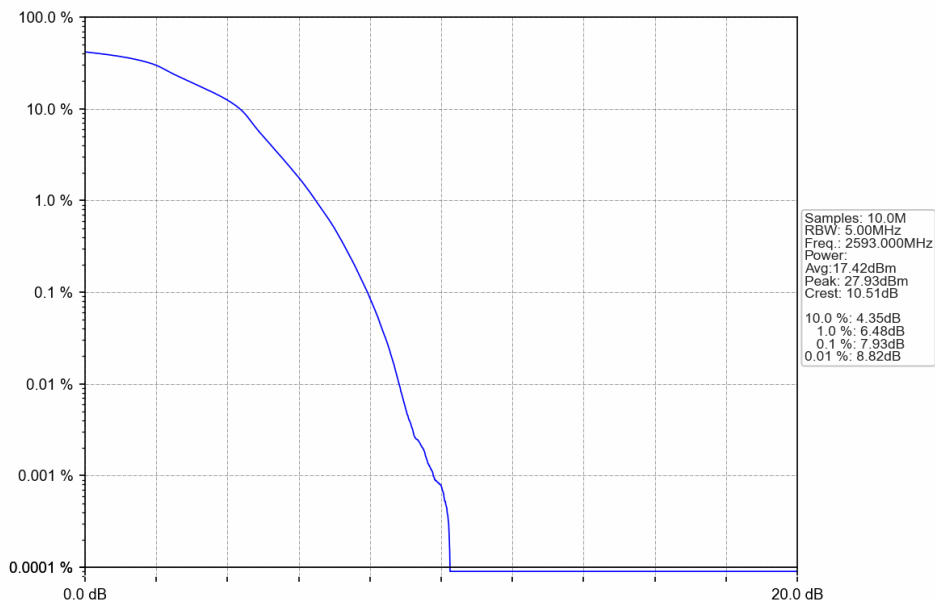
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV



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

