



Appendix P for SHCR2208001794CO-LTE Band 41

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

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	22.72	3.30	26.02	<=33.01	Pass
			13	22.96	3.30	26.26	<=33.01	Pass
			24	22.79	3.30	26.09	<=33.01	Pass
		12	0	22.00	3.30	25.30	<=33.01	Pass
			6	22.07	3.30	25.37	<=33.01	Pass
			13	21.95	3.30	25.25	<=33.01	Pass
		25	0	21.88	3.30	25.18	<=33.01	Pass
	2593	1	0	23.05	3.30	26.35	<=33.01	Pass
			13	23.11	3.30	26.41	<=33.01	Pass
			24	22.87	3.30	26.17	<=33.01	Pass
		12	0	22.12	3.30	25.42	<=33.01	Pass
			6	22.24	3.30	25.54	<=33.01	Pass
			13	22.12	3.30	25.42	<=33.01	Pass
		25	0	22.18	3.30	25.48	<=33.01	Pass
	2687.5	1	0	23.10	3.30	26.40	<=33.01	Pass
			13	23.18	3.30	26.48	<=33.01	Pass
			24	23.00	3.30	26.30	<=33.01	Pass
		12	0	22.22	3.30	25.52	<=33.01	Pass
			6	22.27	3.30	25.57	<=33.01	Pass
			13	21.95	3.30	25.25	<=33.01	Pass
		25	0	22.12	3.30	25.42	<=33.01	Pass
16QAM	2498.5	1	0	21.75	3.30	25.05	<=33.01	Pass
			13	21.64	3.30	24.94	<=33.01	Pass
			24	21.59	3.30	24.89	<=33.01	Pass
		12	0	20.75	3.30	24.05	<=33.01	Pass
			6	20.89	3.30	24.19	<=33.01	Pass
			13	20.87	3.30	24.17	<=33.01	Pass
		25	0	20.90	3.30	24.20	<=33.01	Pass
	2593	1	0	22.30	3.30	25.60	<=33.01	Pass
			13	22.77	3.30	26.07	<=33.01	Pass
			24	22.29	3.30	25.59	<=33.01	Pass
		12	0	21.00	3.30	24.30	<=33.01	Pass
			6	20.98	3.30	24.28	<=33.01	Pass
			13	20.91	3.30	24.21	<=33.01	Pass
		25	0	21.07	3.30	24.37	<=33.01	Pass
	2687.5	1	0	22.09	3.30	25.39	<=33.01	Pass
			13	22.23	3.30	25.53	<=33.01	Pass
			24	21.82	3.30	25.12	<=33.01	Pass
		12	0	20.98	3.30	24.28	<=33.01	Pass
			6	21.22	3.30	24.52	<=33.01	Pass
			13	21.05	3.30	24.35	<=33.01	Pass
		25	0	21.16	3.30	24.46	<=33.01	Pass
64QAM	2498.5	1	0	21.71	3.30	25.01	<=33.01	Pass



			13	22.07	3.30	25.37	<=33.01	Pass
			24	21.80	3.30	25.10	<=33.01	Pass
		12	0	20.67	3.30	23.97	<=33.01	Pass
			6	21.06	3.30	24.36	<=33.01	Pass
			13	21.02	3.30	24.32	<=33.01	Pass
		25	0	21.02	3.30	24.32	<=33.01	Pass
		2593	1	0	22.01	3.30	25.31	<=33.01
	13			22.39	3.30	25.69	<=33.01	Pass
	24			22.36	3.30	25.66	<=33.01	Pass
	12		0	21.09	3.30	24.39	<=33.01	Pass
			6	21.13	3.30	24.43	<=33.01	Pass
			13	20.95	3.30	24.25	<=33.01	Pass
	25		0	21.21	3.30	24.51	<=33.01	Pass
	2687.5	1	0	22.67	3.30	25.97	<=33.01	Pass
			13	22.61	3.30	25.91	<=33.01	Pass
			24	22.73	3.30	26.03	<=33.01	Pass
		12	0	21.34	3.30	24.64	<=33.01	Pass
			6	21.26	3.30	24.56	<=33.01	Pass
			13	21.01	3.30	24.31	<=33.01	Pass
		25	0	21.20	3.30	24.50	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B41_10MHz_EIRP

1.2.1 Test Result

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	22.79	3.30	26.09	<=33.01	Pass
			25	23.10	3.30	26.40	<=33.01	Pass
			49	22.91	3.30	26.21	<=33.01	Pass
		25	0	21.99	3.30	25.29	<=33.01	Pass
			13	22.05	3.30	25.35	<=33.01	Pass
			25	22.02	3.30	25.32	<=33.01	Pass
		50	0	21.99	3.30	25.29	<=33.01	Pass
			0	23.23	3.30	26.53	<=33.01	Pass
			25	23.38	3.30	26.68	<=33.01	Pass
		1	49	22.86	3.30	26.16	<=33.01	Pass
			0	22.18	3.30	25.48	<=33.01	Pass
			13	22.25	3.30	25.55	<=33.01	Pass
	2593	25	25	22.08	3.30	25.38	<=33.01	Pass
			0	22.13	3.30	25.43	<=33.01	Pass
			0	23.19	3.30	26.49	<=33.01	Pass
		1	25	23.24	3.30	26.54	<=33.01	Pass
			49	23.02	3.30	26.32	<=33.01	Pass
			0	22.23	3.30	25.53	<=33.01	Pass
		25	13	22.48	3.30	25.78	<=33.01	Pass
			25	22.04	3.30	25.34	<=33.01	Pass
			0	22.22	3.30	25.52	<=33.01	Pass
16QAM	2501	1	0	21.85	3.30	25.15	<=33.01	Pass
			25	21.92	3.30	25.22	<=33.01	Pass
			49	21.56	3.30	24.86	<=33.01	Pass
		25	0	21.06	3.30	24.36	<=33.01	Pass



	2593	50	13	21.02	3.30	24.32	<=33.01	Pass
			25	20.99	3.30	24.29	<=33.01	Pass
		1	0	21.01	3.30	24.31	<=33.01	Pass
			0	22.62	3.30	25.92	<=33.01	Pass
			25	23.16	3.30	26.46	<=33.01	Pass
		25	49	22.36	3.30	25.66	<=33.01	Pass
			0	21.54	3.30	24.84	<=33.01	Pass
			13	21.36	3.30	24.66	<=33.01	Pass
	2685	50	25	21.10	3.30	24.40	<=33.01	Pass
			0	21.34	3.30	24.64	<=33.01	Pass
			0	22.30	3.30	25.60	<=33.01	Pass
		1	25	22.40	3.30	25.70	<=33.01	Pass
			49	22.64	3.30	25.94	<=33.01	Pass
		25	0	21.71	3.30	25.01	<=33.01	Pass
			13	21.21	3.30	24.51	<=33.01	Pass
			25	21.18	3.30	24.48	<=33.01	Pass
		50	0	21.37	3.30	24.67	<=33.01	Pass
64QAM	2501	1	0	21.72	3.30	25.02	<=33.01	Pass
			25	22.36	3.30	25.66	<=33.01	Pass
			49	22.20	3.30	25.50	<=33.01	Pass
		25	0	21.17	3.30	24.47	<=33.01	Pass
			13	21.08	3.30	24.38	<=33.01	Pass
			25	21.25	3.30	24.55	<=33.01	Pass
	2593	50	0	21.19	3.30	24.49	<=33.01	Pass
			0	21.81	3.30	25.11	<=33.01	Pass
			25	22.24	3.30	25.54	<=33.01	Pass
		1	49	22.13	3.30	25.43	<=33.01	Pass
			0	21.22	3.30	24.52	<=33.01	Pass
		25	13	21.43	3.30	24.73	<=33.01	Pass
			25	21.23	3.30	24.53	<=33.01	Pass
		50	0	21.34	3.30	24.64	<=33.01	Pass
	2685	1	0	22.66	3.30	25.96	<=33.01	Pass
			25	23.08	3.30	26.38	<=33.01	Pass
			49	22.85	3.30	26.15	<=33.01	Pass
		25	0	21.40	3.30	24.70	<=33.01	Pass
			13	21.23	3.30	24.53	<=33.01	Pass
			25	21.16	3.30	24.46	<=33.01	Pass
		50	0	21.40	3.30	24.70	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B41_15MHz_EIRP

1.3.1 Test Result

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	22.67	3.30	25.97	<=33.01	Pass
			38	22.87	3.30	26.17	<=33.01	Pass
			74	22.68	3.30	25.98	<=33.01	Pass
		36	0	21.82	3.30	25.12	<=33.01	Pass
			18	22.00	3.30	25.30	<=33.01	Pass
			39	21.84	3.30	25.14	<=33.01	Pass
		75	0	21.86	3.30	25.16	<=33.01	Pass



	2593	1	0	23.14	3.30	26.44	<=33.01	Pass
			38	23.25	3.30	26.55	<=33.01	Pass
			74	22.98	3.30	26.28	<=33.01	Pass
		36	0	22.26	3.30	25.56	<=33.01	Pass
			18	22.29	3.30	25.59	<=33.01	Pass
			39	22.05	3.30	25.35	<=33.01	Pass
		75	0	22.13	3.30	25.43	<=33.01	Pass
	2682.5	1	0	23.44	3.30	26.74	<=33.01	Pass
			38	23.01	3.30	26.31	<=33.01	Pass
			74	22.97	3.30	26.27	<=33.01	Pass
		36	0	22.27	3.30	25.57	<=33.01	Pass
			18	22.50	3.30	25.80	<=33.01	Pass
			39	22.10	3.30	25.40	<=33.01	Pass
		75	0	22.36	3.30	25.66	<=33.01	Pass
16QAM	2503.5	1	0	21.50	3.30	24.80	<=33.01	Pass
			38	21.84	3.30	25.14	<=33.01	Pass
			74	21.41	3.30	24.71	<=33.01	Pass
		36	0	20.81	3.30	24.11	<=33.01	Pass
			18	21.04	3.30	24.34	<=33.01	Pass
			39	20.85	3.30	24.15	<=33.01	Pass
		75	0	20.93	3.30	24.23	<=33.01	Pass
	2593	1	0	22.58	3.30	25.88	<=33.01	Pass
			38	23.12	3.30	26.42	<=33.01	Pass
			74	22.66	3.30	25.96	<=33.01	Pass
		36	0	21.37	3.30	24.67	<=33.01	Pass
			18	21.28	3.30	24.58	<=33.01	Pass
			39	21.13	3.30	24.43	<=33.01	Pass
		75	0	21.21	3.30	24.51	<=33.01	Pass
	2682.5	1	0	22.44	3.30	25.74	<=33.01	Pass
			38	22.35	3.30	25.65	<=33.01	Pass
			74	21.86	3.30	25.16	<=33.01	Pass
		36	0	21.43	3.30	24.73	<=33.01	Pass
			18	21.32	3.30	24.62	<=33.01	Pass
			39	21.03	3.30	24.33	<=33.01	Pass
		75	0	21.41	3.30	24.71	<=33.01	Pass
64QAM	2503.5	1	0	21.79	3.30	25.09	<=33.01	Pass
			38	22.17	3.30	25.47	<=33.01	Pass
			74	22.10	3.30	25.40	<=33.01	Pass
		36	0	20.95	3.30	24.25	<=33.01	Pass
			18	20.91	3.30	24.21	<=33.01	Pass
			39	20.99	3.30	24.29	<=33.01	Pass
		75	0	20.97	3.30	24.27	<=33.01	Pass
	2593	1	0	21.96	3.30	25.26	<=33.01	Pass
			38	21.86	3.30	25.16	<=33.01	Pass
			74	22.36	3.30	25.66	<=33.01	Pass
		36	0	21.24	3.30	24.54	<=33.01	Pass
			18	21.38	3.30	24.68	<=33.01	Pass
			39	21.21	3.30	24.51	<=33.01	Pass
		75	0	21.28	3.30	24.58	<=33.01	Pass
	2682.5	1	0	22.73	3.30	26.03	<=33.01	Pass
			38	22.63	3.30	25.93	<=33.01	Pass
			74	22.64	3.30	25.94	<=33.01	Pass
		36	0	21.39	3.30	24.69	<=33.01	Pass
			18	21.27	3.30	24.57	<=33.01	Pass
			39	21.22	3.30	24.52	<=33.01	Pass
		75	0	21.42	3.30	24.72	<=33.01	Pass



Note1: EIRP=Conducted Power+Antenna Gain

1.4 B41_20MHz_EIRP

1.4.1 Test Result

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	22.73	3.30	26.03	<=33.01	Pass
			50	23.32	3.30	26.62	<=33.01	Pass
			99	22.76	3.30	26.06	<=33.01	Pass
		50	0	21.89	3.30	25.19	<=33.01	Pass
			25	22.10	3.30	25.40	<=33.01	Pass
			50	21.85	3.30	25.15	<=33.01	Pass
		100	0	21.97	3.30	25.27	<=33.01	Pass
	2593	1	0	23.31	3.30	26.61	<=33.01	Pass
			50	23.48	3.30	26.78	<=33.01	Pass
			99	23.28	3.30	26.58	<=33.01	Pass
		50	0	22.38	3.30	25.68	<=33.01	Pass
			25	22.55	3.30	25.85	<=33.01	Pass
			50	22.51	3.30	25.81	<=33.01	Pass
		100	0	22.39	3.30	25.69	<=33.01	Pass
	2680	1	0	23.45	3.30	26.75	<=33.01	Pass
			50	23.63	3.30	26.93	<=33.01	Pass
			99	23.06	3.30	26.36	<=33.01	Pass
		50	0	22.66	3.30	25.96	<=33.01	Pass
			25	22.55	3.30	25.85	<=33.01	Pass
			50	22.49	3.30	25.79	<=33.01	Pass
		100	0	22.61	3.30	25.91	<=33.01	Pass
16QAM	2506	1	0	22.26	3.30	25.56	<=33.01	Pass
			50	22.71	3.30	26.01	<=33.01	Pass
			99	21.88	3.30	25.18	<=33.01	Pass
		50	0	20.96	3.30	24.26	<=33.01	Pass
			25	21.06	3.30	24.36	<=33.01	Pass
			50	20.93	3.30	24.23	<=33.01	Pass
		100	0	21.31	3.30	24.61	<=33.01	Pass
	2593	1	0	22.36	3.30	25.66	<=33.01	Pass
			50	22.79	3.30	26.09	<=33.01	Pass
			99	22.62	3.30	25.92	<=33.01	Pass
		50	0	21.58	3.30	24.88	<=33.01	Pass
			25	21.66	3.30	24.96	<=33.01	Pass
			50	21.43	3.30	24.73	<=33.01	Pass
		100	0	21.47	3.30	24.77	<=33.01	Pass
	2680	1	0	22.14	3.30	25.44	<=33.01	Pass
			50	22.79	3.30	26.09	<=33.01	Pass
			99	21.89	3.30	25.19	<=33.01	Pass
		50	0	21.91	3.30	25.21	<=33.01	Pass
			25	21.81	3.30	25.11	<=33.01	Pass
			50	21.50	3.30	24.80	<=33.01	Pass
		100	0	21.39	3.30	24.69	<=33.01	Pass
64QAM	2506	1	0	21.58	3.30	24.88	<=33.01	Pass
			50	22.28	3.30	25.58	<=33.01	Pass
			99	21.99	3.30	25.29	<=33.01	Pass



		50	0	21.00	3.30	24.30	<=33.01	Pass
			25	21.00	3.30	24.30	<=33.01	Pass
			50	21.01	3.30	24.31	<=33.01	Pass
	2593	100	0	20.61	3.30	23.91	<=33.01	Pass
			0	21.83	3.30	25.13	<=33.01	Pass
			50	21.66	3.30	24.96	<=33.01	Pass
		1	99	21.84	3.30	25.14	<=33.01	Pass
			0	20.75	3.30	24.05	<=33.01	Pass
			25	21.05	3.30	24.35	<=33.01	Pass
		50	50	21.05	3.30	24.35	<=33.01	Pass
			100	21.26	3.30	24.56	<=33.01	Pass
	2680	1	0	21.75	3.30	25.05	<=33.01	Pass
			50	22.37	3.30	25.67	<=33.01	Pass
			99	21.72	3.30	25.02	<=33.01	Pass
		50	0	21.51	3.30	24.81	<=33.01	Pass
			25	21.43	3.30	24.73	<=33.01	Pass
			50	21.14	3.30	24.44	<=33.01	Pass
		100	0	21.32	3.30	24.62	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

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	6.12	5.714	0.0023	-2.5 to 2.5	Pass
					7.20	7.708	0.0031	-2.5 to 2.5	Pass
					8.28	6.560	0.0026	-2.5 to 2.5	Pass
				-30	7.20	5.968	0.0024	-2.5 to 2.5	Pass
				-20	7.20	5.300	0.0021	-2.5 to 2.5	Pass
				-10	7.20	3.342	0.0013	-2.5 to 2.5	Pass
				0	7.20	0.350	0.0001	-2.5 to 2.5	Pass
				10	7.20	1.440	0.0006	-2.5 to 2.5	Pass
				30	7.20	8.809	0.0035	-2.5 to 2.5	Pass
				40	7.20	-1.113	-0.0004	-2.5 to 2.5	Pass
				50	7.20	6.130	0.0025	-2.5 to 2.5	Pass
	2593	25	0	20	6.12	3.559	0.0014	-2.5 to 2.5	Pass
					7.20	2.148	0.0008	-2.5 to 2.5	Pass
					8.28	2.872	0.0011	-2.5 to 2.5	Pass
				-30	7.20	2.942	0.0011	-2.5 to 2.5	Pass
				-20	7.20	0.233	0.0001	-2.5 to 2.5	Pass
				-10	7.20	4.307	0.0017	-2.5 to 2.5	Pass
				0	7.20	8.019	0.0031	-2.5 to 2.5	Pass
				10	7.20	0.771	0.0003	-2.5 to 2.5	Pass
				30	7.20	6.362	0.0025	-2.5 to 2.5	Pass
				40	7.20	0.269	0.0001	-2.5 to 2.5	Pass
				50	7.20	5.913	0.0023	-2.5 to 2.5	Pass
	2687.5	25	0	20	6.12	4.520	0.0017	-2.5 to 2.5	Pass
					7.20	-10.717	-0.0040	-2.5 to 2.5	Pass



					8.28	-2.529	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	-2.765	-0.0010	-2.5 to 2.5	Pass
				-20	7.20	2.620	0.0010	-2.5 to 2.5	Pass
				-10	7.20	5.062	0.0019	-2.5 to 2.5	Pass
				0	7.20	-0.007	0.0000	-2.5 to 2.5	Pass
				10	7.20	1.545	0.0006	-2.5 to 2.5	Pass
				30	7.20	16.129	0.0060	-2.5 to 2.5	Pass
				40	7.20	15.329	0.0057	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	50	7.20	5.162	0.0019	-2.5 to 2.5	Pass
				20	6.12	0.901	0.0004	-2.5 to 2.5	Pass
					7.20	2.953	0.0012	-2.5 to 2.5	Pass
					8.28	6.850	0.0027	-2.5 to 2.5	Pass
				-30	7.20	7.651	0.0031	-2.5 to 2.5	Pass
				-20	7.20	1.012	0.0004	-2.5 to 2.5	Pass
				-10	7.20	9.314	0.0037	-2.5 to 2.5	Pass
				0	7.20	8.249	0.0033	-2.5 to 2.5	Pass
				10	7.20	0.459	0.0002	-2.5 to 2.5	Pass
				30	7.20	5.904	0.0024	-2.5 to 2.5	Pass
				40	7.20	7.137	0.0029	-2.5 to 2.5	Pass
				50	7.20	3.786	0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	6.12	-1.391	-0.0005	-2.5 to 2.5	Pass
					7.20	1.233	0.0005	-2.5 to 2.5	Pass
					8.28	0.889	0.0003	-2.5 to 2.5	Pass
				-30	7.20	0.711	0.0003	-2.5 to 2.5	Pass
				-20	7.20	3.332	0.0013	-2.5 to 2.5	Pass
				-10	7.20	2.633	0.0010	-2.5 to 2.5	Pass
				0	7.20	0.310	0.0001	-2.5 to 2.5	Pass
				10	7.20	3.786	0.0015	-2.5 to 2.5	Pass
				30	7.20	-1.287	-0.0005	-2.5 to 2.5	Pass
				40	7.20	-1.486	-0.0006	-2.5 to 2.5	Pass
				50	7.20	2.138	0.0008	-2.5 to 2.5	Pass
				20	6.12	2.337	0.0009	-2.5 to 2.5	Pass
					7.20	-1.474	-0.0005	-2.5 to 2.5	Pass
					8.28	8.514	0.0032	-2.5 to 2.5	Pass
64QAM	2498.5	25	0	-30	7.20	14.289	0.0053	-2.5 to 2.5	Pass
				-20	7.20	13.160	0.0049	-2.5 to 2.5	Pass
				-10	7.20	16.666	0.0062	-2.5 to 2.5	Pass
				0	7.20	-9.786	-0.0036	-2.5 to 2.5	Pass
				10	7.20	-11.043	-0.0041	-2.5 to 2.5	Pass
				30	7.20	-13.464	-0.0050	-2.5 to 2.5	Pass
				40	7.20	-9.093	-0.0034	-2.5 to 2.5	Pass
				50	7.20	-5.338	-0.0020	-2.5 to 2.5	Pass
				20	6.12	2.464	0.0010	-2.5 to 2.5	Pass
					7.20	3.647	0.0015	-2.5 to 2.5	Pass
					8.28	4.208	0.0017	-2.5 to 2.5	Pass
				-30	7.20	3.883	0.0016	-2.5 to 2.5	Pass
				-20	7.20	1.623	0.0006	-2.5 to 2.5	Pass
				-10	7.20	2.589	0.0010	-2.5 to 2.5	Pass
				0	7.20	0.358	0.0001	-2.5 to 2.5	Pass
				10	7.20	5.579	0.0022	-2.5 to 2.5	Pass
				30	7.20	3.786	0.0015	-2.5 to 2.5	Pass
				40	7.20	0.443	0.0002	-2.5 to 2.5	Pass
				50	7.20	3.754	0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	6.12	3.086	0.0012	-2.5 to 2.5	Pass
					7.20	2.991	0.0012	-2.5 to 2.5	Pass
					8.28	2.260	0.0009	-2.5 to 2.5	Pass



				-30	7.20	2.224	0.0009	-2.5 to 2.5	Pass
				-20	7.20	1.991	0.0008	-2.5 to 2.5	Pass
				-10	7.20	3.494	0.0013	-2.5 to 2.5	Pass
				0	7.20	2.226	0.0009	-2.5 to 2.5	Pass
				10	7.20	3.576	0.0014	-2.5 to 2.5	Pass
				30	7.20	4.403	0.0017	-2.5 to 2.5	Pass
				40	7.20	5.082	0.0020	-2.5 to 2.5	Pass
				50	7.20	-0.692	-0.0003	-2.5 to 2.5	Pass
	2687.5	25	0	20	6.12	6.213	0.0023	-2.5 to 2.5	Pass
					7.20	8.131	0.0030	-2.5 to 2.5	Pass
					8.28	6.417	0.0024	-2.5 to 2.5	Pass
				-30	7.20	2.897	0.0011	-2.5 to 2.5	Pass
				-20	7.20	5.589	0.0021	-2.5 to 2.5	Pass
				-10	7.20	7.541	0.0028	-2.5 to 2.5	Pass
				0	7.20	4.281	0.0016	-2.5 to 2.5	Pass
				10	7.20	2.045	0.0008	-2.5 to 2.5	Pass
				30	7.20	3.621	0.0013	-2.5 to 2.5	Pass
				40	7.20	8.336	0.0031	-2.5 to 2.5	Pass
				50	7.20	6.716	0.0025	-2.5 to 2.5	Pass

2.2 B41_10MHz

2.2.1 Test Result

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	6.12	7.633	0.0031	-2.5 to 2.5	Pass
					7.20	4.266	0.0017	-2.5 to 2.5	Pass
					8.28	0.124	0.0000	-2.5 to 2.5	Pass
				-30	7.20	4.452	0.0018	-2.5 to 2.5	Pass
				-20	7.20	6.748	0.0027	-2.5 to 2.5	Pass
				-10	7.20	6.248	0.0025	-2.5 to 2.5	Pass
				0	7.20	1.722	0.0007	-2.5 to 2.5	Pass
				10	7.20	2.120	0.0008	-2.5 to 2.5	Pass
				30	7.20	1.393	0.0006	-2.5 to 2.5	Pass
				40	7.20	5.701	0.0023	-2.5 to 2.5	Pass
				50	7.20	0.454	0.0002	-2.5 to 2.5	Pass
	2593	50	0	20	6.12	4.759	0.0018	-2.5 to 2.5	Pass
					7.20	3.889	0.0015	-2.5 to 2.5	Pass
					8.28	3.042	0.0012	-2.5 to 2.5	Pass
				-30	7.20	0.327	0.0001	-2.5 to 2.5	Pass
				-20	7.20	1.967	0.0008	-2.5 to 2.5	Pass
				-10	7.20	1.280	0.0005	-2.5 to 2.5	Pass
				0	7.20	-0.890	-0.0003	-2.5 to 2.5	Pass
				10	7.20	2.076	0.0008	-2.5 to 2.5	Pass
				30	7.20	1.251	0.0005	-2.5 to 2.5	Pass
				40	7.20	3.846	0.0015	-2.5 to 2.5	Pass
				50	7.20	1.194	0.0005	-2.5 to 2.5	Pass
	2685	50	0	20	6.12	-0.592	-0.0002	-2.5 to 2.5	Pass
					7.20	-1.705	-0.0006	-2.5 to 2.5	Pass
					8.28	-2.872	-0.0011	-2.5 to 2.5	Pass
				-30	7.20	-1.612	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	0.474	0.0002	-2.5 to 2.5	Pass



				-10	7.20	0.157	0.0001	-2.5 to 2.5	Pass
				0	7.20	0.832	0.0003	-2.5 to 2.5	Pass
				10	7.20	0.933	0.0003	-2.5 to 2.5	Pass
				30	7.20	-2.530	-0.0009	-2.5 to 2.5	Pass
				40	7.20	-0.393	-0.0001	-2.5 to 2.5	Pass
				50	7.20	-1.509	-0.0006	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	6.12	2.376	0.0010	-2.5 to 2.5	Pass
					7.20	1.879	0.0008	-2.5 to 2.5	Pass
					8.28	0.747	0.0003	-2.5 to 2.5	Pass
				-30	7.20	8.286	0.0033	-2.5 to 2.5	Pass
				-20	7.20	6.092	0.0024	-2.5 to 2.5	Pass
				-10	7.20	6.589	0.0026	-2.5 to 2.5	Pass
				0	7.20	1.990	0.0008	-2.5 to 2.5	Pass
				10	7.20	5.574	0.0022	-2.5 to 2.5	Pass
				30	7.20	1.884	0.0008	-2.5 to 2.5	Pass
				40	7.20	4.336	0.0017	-2.5 to 2.5	Pass
				50	7.20	7.276	0.0029	-2.5 to 2.5	Pass
	2593	50	0	20	6.12	2.379	0.0009	-2.5 to 2.5	Pass
					7.20	0.538	0.0002	-2.5 to 2.5	Pass
					8.28	2.062	0.0008	-2.5 to 2.5	Pass
				-30	7.20	0.272	0.0001	-2.5 to 2.5	Pass
				-20	7.20	3.936	0.0015	-2.5 to 2.5	Pass
				-10	7.20	1.411	0.0005	-2.5 to 2.5	Pass
				0	7.20	0.565	0.0002	-2.5 to 2.5	Pass
				10	7.20	3.513	0.0014	-2.5 to 2.5	Pass
				30	7.20	1.304	0.0005	-2.5 to 2.5	Pass
				40	7.20	4.764	0.0018	-2.5 to 2.5	Pass
				50	7.20	5.243	0.0020	-2.5 to 2.5	Pass
	2685	50	0	20	6.12	2.507	0.0009	-2.5 to 2.5	Pass
					7.20	-2.143	-0.0008	-2.5 to 2.5	Pass
					8.28	-2.349	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	3.109	0.0012	-2.5 to 2.5	Pass
				-20	7.20	4.131	0.0015	-2.5 to 2.5	Pass
				-10	7.20	2.047	0.0008	-2.5 to 2.5	Pass
				0	7.20	1.072	0.0004	-2.5 to 2.5	Pass
				10	7.20	-0.034	0.0000	-2.5 to 2.5	Pass
				30	7.20	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	7.20	-1.962	-0.0007	-2.5 to 2.5	Pass
				50	7.20	-1.268	-0.0005	-2.5 to 2.5	Pass
64QAM	2501	50	0	20	6.12	6.496	0.0026	-2.5 to 2.5	Pass
					7.20	6.599	0.0026	-2.5 to 2.5	Pass
					8.28	4.318	0.0017	-2.5 to 2.5	Pass
				-30	7.20	4.324	0.0017	-2.5 to 2.5	Pass
				-20	7.20	6.819	0.0027	-2.5 to 2.5	Pass
				-10	7.20	1.499	0.0006	-2.5 to 2.5	Pass
				0	7.20	6.668	0.0027	-2.5 to 2.5	Pass
				10	7.20	6.096	0.0024	-2.5 to 2.5	Pass
				30	7.20	5.982	0.0024	-2.5 to 2.5	Pass
				40	7.20	4.619	0.0018	-2.5 to 2.5	Pass
				50	7.20	7.752	0.0031	-2.5 to 2.5	Pass
	2593	50	0	20	6.12	6.584	0.0025	-2.5 to 2.5	Pass
					7.20	2.194	0.0008	-2.5 to 2.5	Pass
					8.28	-0.973	-0.0004	-2.5 to 2.5	Pass
				-30	7.20	2.396	0.0009	-2.5 to 2.5	Pass
				-20	7.20	4.659	0.0018	-2.5 to 2.5	Pass
				-10	7.20	1.018	0.0004	-2.5 to 2.5	Pass



				0	7.20	-0.756	-0.0003	-2.5 to 2.5	Pass
				10	7.20	2.870	0.0011	-2.5 to 2.5	Pass
				30	7.20	2.165	0.0008	-2.5 to 2.5	Pass
				40	7.20	1.782	0.0007	-2.5 to 2.5	Pass
				50	7.20	-0.891	-0.0003	-2.5 to 2.5	Pass
	2685	50	0	20	6.12	-3.475	-0.0013	-2.5 to 2.5	Pass
					7.20	-2.987	-0.0011	-2.5 to 2.5	Pass
					8.28	0.457	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-2.215	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-2.031	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-3.072	-0.0011	-2.5 to 2.5	Pass
				0	7.20	-2.795	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-1.032	-0.0004	-2.5 to 2.5	Pass
				30	7.20	-3.983	-0.0015	-2.5 to 2.5	Pass
				40	7.20	-0.388	-0.0001	-2.5 to 2.5	Pass
				50	7.20	2.155	0.0008	-2.5 to 2.5	Pass

2.3 B41_15MHz

2.3.1 Test Result

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	6.12	-1.076	-0.0004	-2.5 to 2.5	Pass
					7.20	-0.655	-0.0003	-2.5 to 2.5	Pass
					8.28	-2.879	-0.0011	-2.5 to 2.5	Pass
				-30	7.20	1.044	0.0004	-2.5 to 2.5	Pass
				-20	7.20	-1.889	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-1.206	-0.0005	-2.5 to 2.5	Pass
				0	7.20	-3.077	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-1.626	-0.0006	-2.5 to 2.5	Pass
				30	7.20	-2.038	-0.0008	-2.5 to 2.5	Pass
				40	7.20	3.173	0.0013	-2.5 to 2.5	Pass
				50	7.20	-2.679	-0.0011	-2.5 to 2.5	Pass
	2593	75	0	20	6.12	8.231	0.0032	-2.5 to 2.5	Pass
					7.20	3.364	0.0013	-2.5 to 2.5	Pass
					8.28	6.430	0.0025	-2.5 to 2.5	Pass
				-30	7.20	0.300	0.0001	-2.5 to 2.5	Pass
				-20	7.20	4.487	0.0017	-2.5 to 2.5	Pass
				-10	7.20	9.244	0.0036	-2.5 to 2.5	Pass
				0	7.20	2.256	0.0009	-2.5 to 2.5	Pass
				10	7.20	6.359	0.0025	-2.5 to 2.5	Pass
				30	7.20	1.300	0.0005	-2.5 to 2.5	Pass
				40	7.20	-1.054	-0.0004	-2.5 to 2.5	Pass
				50	7.20	2.740	0.0011	-2.5 to 2.5	Pass
	2682.5	75	0	20	6.12	1.778	0.0007	-2.5 to 2.5	Pass
					7.20	0.056	0.0000	-2.5 to 2.5	Pass
					8.28	7.874	0.0029	-2.5 to 2.5	Pass
				-30	7.20	2.925	0.0011	-2.5 to 2.5	Pass
				-20	7.20	3.509	0.0013	-2.5 to 2.5	Pass
				-10	7.20	0.177	0.0001	-2.5 to 2.5	Pass
				0	7.20	-1.054	-0.0004	-2.5 to 2.5	Pass
				10	7.20	6.619	0.0025	-2.5 to 2.5	Pass

				30	7.20	2.891	0.0011	-2.5 to 2.5	Pass
				40	7.20	1.729	0.0006	-2.5 to 2.5	Pass
				50	7.20	7.047	0.0026	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	6.12	-1.041	-0.0004	-2.5 to 2.5	Pass
					7.20	-4.469	-0.0018	-2.5 to 2.5	Pass
					8.28	0.692	0.0003	-2.5 to 2.5	Pass
				-30	7.20	4.871	0.0019	-2.5 to 2.5	Pass
				-20	7.20	3.494	0.0014	-2.5 to 2.5	Pass
				-10	7.20	1.853	0.0007	-2.5 to 2.5	Pass
				0	7.20	2.278	0.0009	-2.5 to 2.5	Pass
				10	7.20	0.429	0.0002	-2.5 to 2.5	Pass
				30	7.20	-1.811	-0.0007	-2.5 to 2.5	Pass
				40	7.20	-3.765	-0.0015	-2.5 to 2.5	Pass
				50	7.20	5.009	0.0020	-2.5 to 2.5	Pass
	2593	75	0	20	6.12	0.709	0.0003	-2.5 to 2.5	Pass
					7.20	2.388	0.0009	-2.5 to 2.5	Pass
					8.28	6.224	0.0024	-2.5 to 2.5	Pass
				-30	7.20	-0.753	-0.0003	-2.5 to 2.5	Pass
				-20	7.20	3.925	0.0015	-2.5 to 2.5	Pass
				-10	7.20	1.485	0.0006	-2.5 to 2.5	Pass
				0	7.20	8.793	0.0034	-2.5 to 2.5	Pass
				10	7.20	7.480	0.0029	-2.5 to 2.5	Pass
				30	7.20	0.163	0.0001	-2.5 to 2.5	Pass
				40	7.20	10.428	0.0040	-2.5 to 2.5	Pass
				50	7.20	3.126	0.0012	-2.5 to 2.5	Pass
	2682.5	75	0	20	6.12	5.916	0.0022	-2.5 to 2.5	Pass
					7.20	9.490	0.0035	-2.5 to 2.5	Pass
					8.28	11.058	0.0041	-2.5 to 2.5	Pass
				-30	7.20	11.581	0.0043	-2.5 to 2.5	Pass
				-20	7.20	7.216	0.0027	-2.5 to 2.5	Pass
				-10	7.20	3.042	0.0011	-2.5 to 2.5	Pass
				0	7.20	9.087	0.0034	-2.5 to 2.5	Pass
				10	7.20	1.551	0.0006	-2.5 to 2.5	Pass
				30	7.20	0.120	0.0000	-2.5 to 2.5	Pass
				40	7.20	9.748	0.0036	-2.5 to 2.5	Pass
				50	7.20	1.482	0.0006	-2.5 to 2.5	Pass
64QAM	2503.5	75	0	20	6.12	-2.176	-0.0009	-2.5 to 2.5	Pass
					7.20	-3.831	-0.0015	-2.5 to 2.5	Pass
					8.28	-1.995	-0.0008	-2.5 to 2.5	Pass
				-30	7.20	0.861	0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.866	-0.0003	-2.5 to 2.5	Pass
				-10	7.20	-1.852	-0.0007	-2.5 to 2.5	Pass
				0	7.20	-0.306	-0.0001	-2.5 to 2.5	Pass
				10	7.20	-2.212	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-2.694	-0.0011	-2.5 to 2.5	Pass
				40	7.20	-2.143	-0.0009	-2.5 to 2.5	Pass
				50	7.20	0.335	0.0001	-2.5 to 2.5	Pass
	2593	75	0	20	6.12	1.675	0.0006	-2.5 to 2.5	Pass
					7.20	-2.766	-0.0011	-2.5 to 2.5	Pass
					8.28	1.756	0.0007	-2.5 to 2.5	Pass
				-30	7.20	2.236	0.0009	-2.5 to 2.5	Pass
				-20	7.20	3.521	0.0014	-2.5 to 2.5	Pass
				-10	7.20	-0.217	-0.0001	-2.5 to 2.5	Pass
				0	7.20	0.777	0.0003	-2.5 to 2.5	Pass
				10	7.20	0.239	0.0001	-2.5 to 2.5	Pass
				30	7.20	1.112	0.0004	-2.5 to 2.5	Pass



	2682.5	75	0	40	7.20	2.441	0.0009	-2.5 to 2.5	Pass
				50	7.20	1.138	0.0004	-2.5 to 2.5	Pass
				20	6.12	4.664	0.0017	-2.5 to 2.5	Pass
					7.20	2.455	0.0009	-2.5 to 2.5	Pass
					8.28	5.932	0.0022	-2.5 to 2.5	Pass
				-30	7.20	5.225	0.0019	-2.5 to 2.5	Pass
				-20	7.20	2.777	0.0010	-2.5 to 2.5	Pass
				-10	7.20	3.217	0.0012	-2.5 to 2.5	Pass
				0	7.20	5.982	0.0022	-2.5 to 2.5	Pass
				10	7.20	3.807	0.0014	-2.5 to 2.5	Pass
				30	7.20	2.615	0.0010	-2.5 to 2.5	Pass
				40	7.20	1.151	0.0004	-2.5 to 2.5	Pass
				50	7.20	2.105	0.0008	-2.5 to 2.5	Pass

2.4 B41_20MHz

2.4.1 Test Result

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	6.12	0.989	0.0004	-2.5 to 2.5	Pass
					7.20	10.461	0.0042	-2.5 to 2.5	Pass
					8.28	7.949	0.0032	-2.5 to 2.5	Pass
				-30	7.20	7.486	0.0030	-2.5 to 2.5	Pass
				-20	7.20	9.013	0.0036	-2.5 to 2.5	Pass
				-10	7.20	2.797	0.0011	-2.5 to 2.5	Pass
				0	7.20	10.658	0.0043	-2.5 to 2.5	Pass
				10	7.20	5.781	0.0023	-2.5 to 2.5	Pass
				30	7.20	7.613	0.0030	-2.5 to 2.5	Pass
				40	7.20	2.998	0.0012	-2.5 to 2.5	Pass
				50	7.20	6.977	0.0028	-2.5 to 2.5	Pass
	2593	100	0	20	6.12	8.847	0.0034	-2.5 to 2.5	Pass
					7.20	7.568	0.0029	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	6.12	11.608	0.0046	-2.5 to 2.5	Pass
					7.20	3.878	0.0015	-2.5 to 2.5	Pass
					8.28	0.407	0.0002	-2.5 to 2.5	Pass
				-30	7.20	9.003	0.0036	-2.5 to 2.5	Pass
				-20	7.20	5.735	0.0023	-2.5 to 2.5	Pass
				-10	7.20	8.789	0.0035	-2.5 to 2.5	Pass
				0	7.20	6.748	0.0027	-2.5 to 2.5	Pass
				10	7.20	9.410	0.0038	-2.5 to 2.5	Pass
				30	7.20	11.502	0.0046	-2.5 to 2.5	Pass
				40	7.20	4.626	0.0018	-2.5 to 2.5	Pass
QPSK	2593	100	0	50	7.20	7.741	0.0031	-2.5 to 2.5	Pass
				20	8.28	7.780	0.0030	-2.5 to 2.5	Pass
				-30	7.20	-0.575	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	6.404	0.0025	-2.5 to 2.5	Pass
				-10	7.20	6.850	0.0026	-2.5 to 2.5	Pass
				0	7.20	6.996	0.0027	-2.5 to 2.5	Pass
				10	7.20	4.427	0.0017	-2.5 to 2.5	Pass
				30	7.20	7.817	0.0030	-2.5 to 2.5	Pass
				40	7.20	0.690	0.0003	-2.5 to 2.5	Pass
				50	7.20	6.996	0.0027	-2.5 to 2.5	Pass



	2680	100	0	20	6.12	8.618	0.0032	-2.5 to 2.5	Pass
					7.20	1.298	0.0005	-2.5 to 2.5	Pass
				-30	8.28	5.821	0.0022	-2.5 to 2.5	Pass
					7.20	5.945	0.0022	-2.5 to 2.5	Pass
				-20	7.20	0.340	0.0001	-2.5 to 2.5	Pass
				-10	7.20	6.708	0.0025	-2.5 to 2.5	Pass
				0	7.20	7.530	0.0028	-2.5 to 2.5	Pass
				10	7.20	-0.348	-0.0001	-2.5 to 2.5	Pass
				30	7.20	-0.753	-0.0003	-2.5 to 2.5	Pass
				40	7.20	6.569	0.0025	-2.5 to 2.5	Pass
64QAM	2506	100	0	20	7.20	4.413	0.0016	-2.5 to 2.5	Pass
					6.12	6.616	0.0026	-2.5 to 2.5	Pass
				-30	7.20	1.531	0.0006	-2.5 to 2.5	Pass
					8.28	3.039	0.0012	-2.5 to 2.5	Pass
				-20	7.20	2.823	0.0011	-2.5 to 2.5	Pass
				-10	7.20	0.797	0.0003	-2.5 to 2.5	Pass
				0	7.20	2.615	0.0010	-2.5 to 2.5	Pass
				10	7.20	2.286	0.0009	-2.5 to 2.5	Pass
				30	7.20	5.057	0.0020	-2.5 to 2.5	Pass
				40	7.20	2.045	0.0008	-2.5 to 2.5	Pass
16QAM	2593	100	0	20	7.20	1.878	0.0007	-2.5 to 2.5	Pass
					7.20	5.099	0.0020	-2.5 to 2.5	Pass
				-30	6.12	3.019	0.0012	-2.5 to 2.5	Pass
					6.12	9.676	0.0037	-2.5 to 2.5	Pass
				-20	7.20	3.774	0.0015	-2.5 to 2.5	Pass
				-10	7.20	14.666	0.0057	-2.5 to 2.5	Pass
				0	8.28	1.688	0.0007	-2.5 to 2.5	Pass
				10	8.28	1.850	0.0007	-2.5 to 2.5	Pass
				30	7.20	8.998	0.0035	-2.5 to 2.5	Pass
				40	7.20	2.744	0.0011	-2.5 to 2.5	Pass
16QAM	2593	100	0	-20	7.20	1.873	0.0007	-2.5 to 2.5	Pass
					7.20	3.782	0.0015	-2.5 to 2.5	Pass
				-10	7.20	2.083	0.0008	-2.5 to 2.5	Pass
					7.20	2.513	0.0010	-2.5 to 2.5	Pass
				0	7.20	1.267	0.0005	-2.5 to 2.5	Pass
				10	7.20	8.676	0.0033	-2.5 to 2.5	Pass
				30	7.20	3.901	0.0015	-2.5 to 2.5	Pass
				40	7.20	5.778	0.0022	-2.5 to 2.5	Pass
				50	7.20	1.897	0.0007	-2.5 to 2.5	Pass
				60	7.20	-0.735	-0.0003	-2.5 to 2.5	Pass
16QAM	2593	100	0	40	7.20	5.912	0.0023	-2.5 to 2.5	Pass
					7.20	0.755	0.0003	-2.5 to 2.5	Pass
				50	7.20	2.251	0.0009	-2.5 to 2.5	Pass
					7.20	3.709	0.0014	-2.5 to 2.5	Pass
				60	6.12	-1.345	-0.0005	-2.5 to 2.5	Pass
				70	6.12	4.438	0.0017	-2.5 to 2.5	Pass
				80	7.20	3.731	0.0014	-2.5 to 2.5	Pass
				90	7.20	1.389	0.0005	-2.5 to 2.5	Pass
				100	8.28	-2.341	-0.0009	-2.5 to 2.5	Pass
				110	8.28	1.958	0.0007	-2.5 to 2.5	Pass
16QAM	2680	100	0	-30	7.20	1.044	0.0004	-2.5 to 2.5	Pass
					7.20	-0.213	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	-1.881	-0.0007	-2.5 to 2.5	Pass
					7.20	1.386	0.0005	-2.5 to 2.5	Pass
				-10	7.20	1.773	0.0007	-2.5 to 2.5	Pass
					7.20	6.057	0.0023	-2.5 to 2.5	Pass



				0	7.20	-2.783	-0.0010	-2.5 to 2.5	Pass
64QAM	2680	100	0	0	7.20	0.920	0.0003	-2.5 to 2.5	Pass
16QAM	2680	100	0	10	7.20	-1.626	-0.0006	-2.5 to 2.5	Pass
64QAM	2680	100	0	10	7.20	2.049	0.0008	-2.5 to 2.5	Pass
				30	7.20	5.025	0.0019	-2.5 to 2.5	Pass
16QAM	2680	100	0	30	7.20	-1.259	-0.0005	-2.5 to 2.5	Pass
				40	7.20	7.444	0.0028	-2.5 to 2.5	Pass
64QAM	2680	100	0	40	7.20	3.646	0.0014	-2.5 to 2.5	Pass
16QAM	2680	100	0	50	7.20	9.170	0.0034	-2.5 to 2.5	Pass
64QAM	2680	100	0	50	7.20	2.488	0.0009	-2.5 to 2.5	Pass

3. Modulation Characteristics

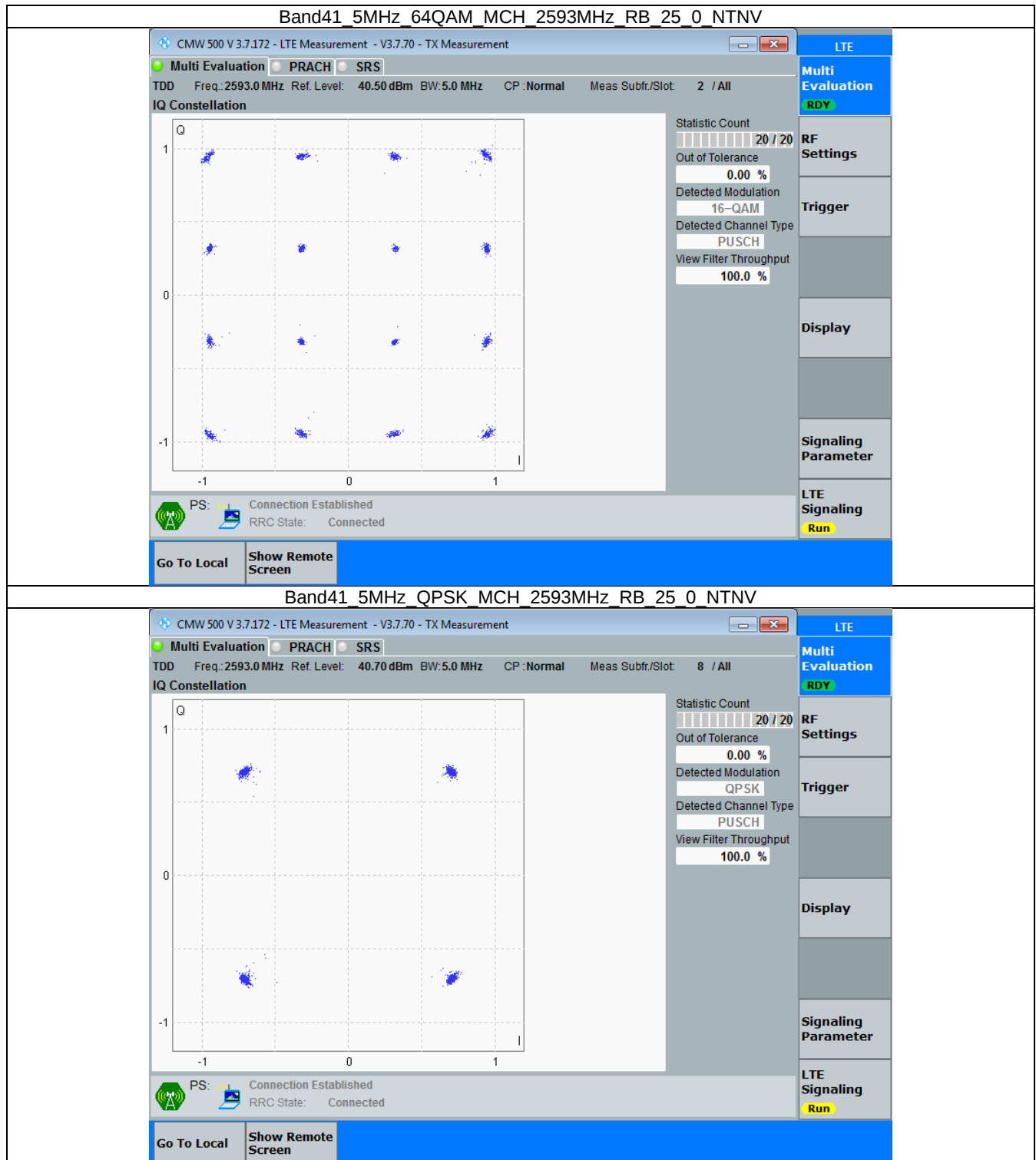
3.1 B41_5MHz

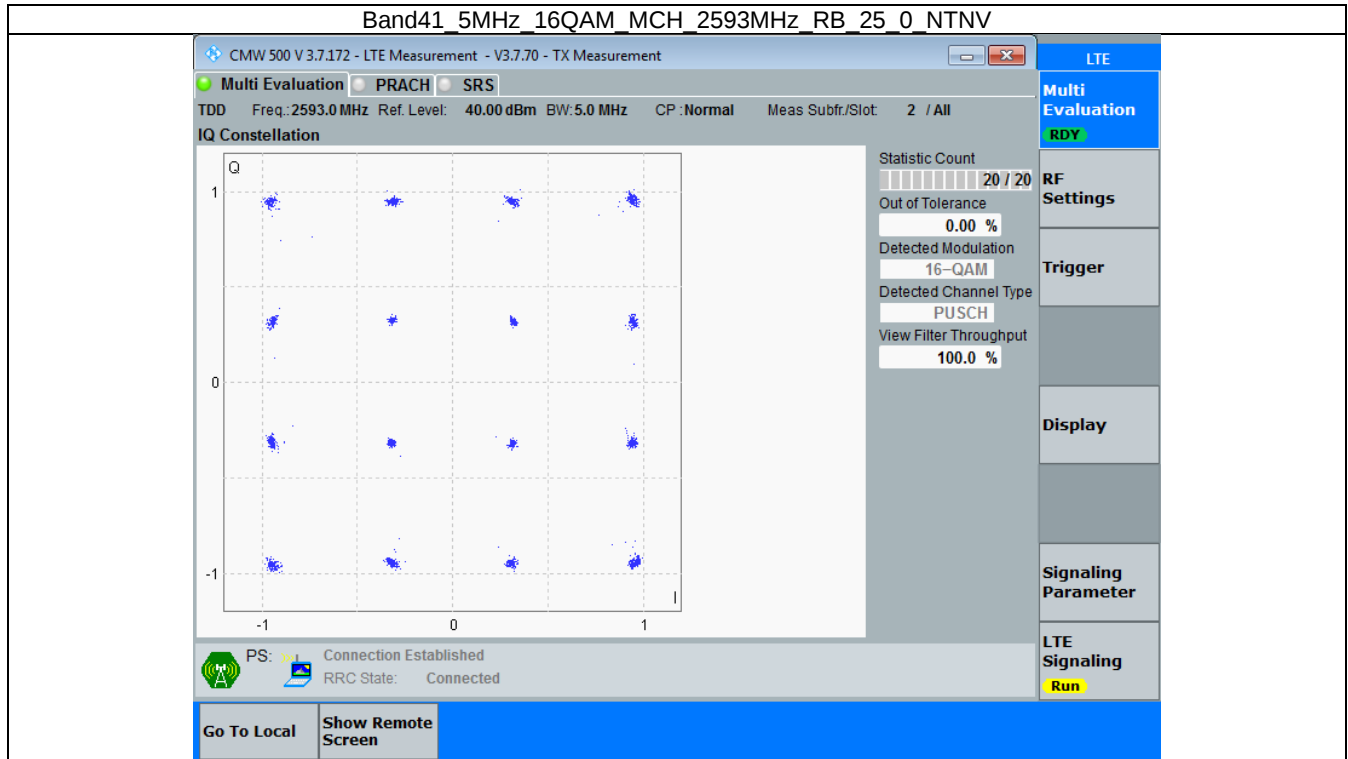
3.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
64QAM	2593	25	0	Refer To Test Graph		Pass
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass



3.1.2 Test Graph







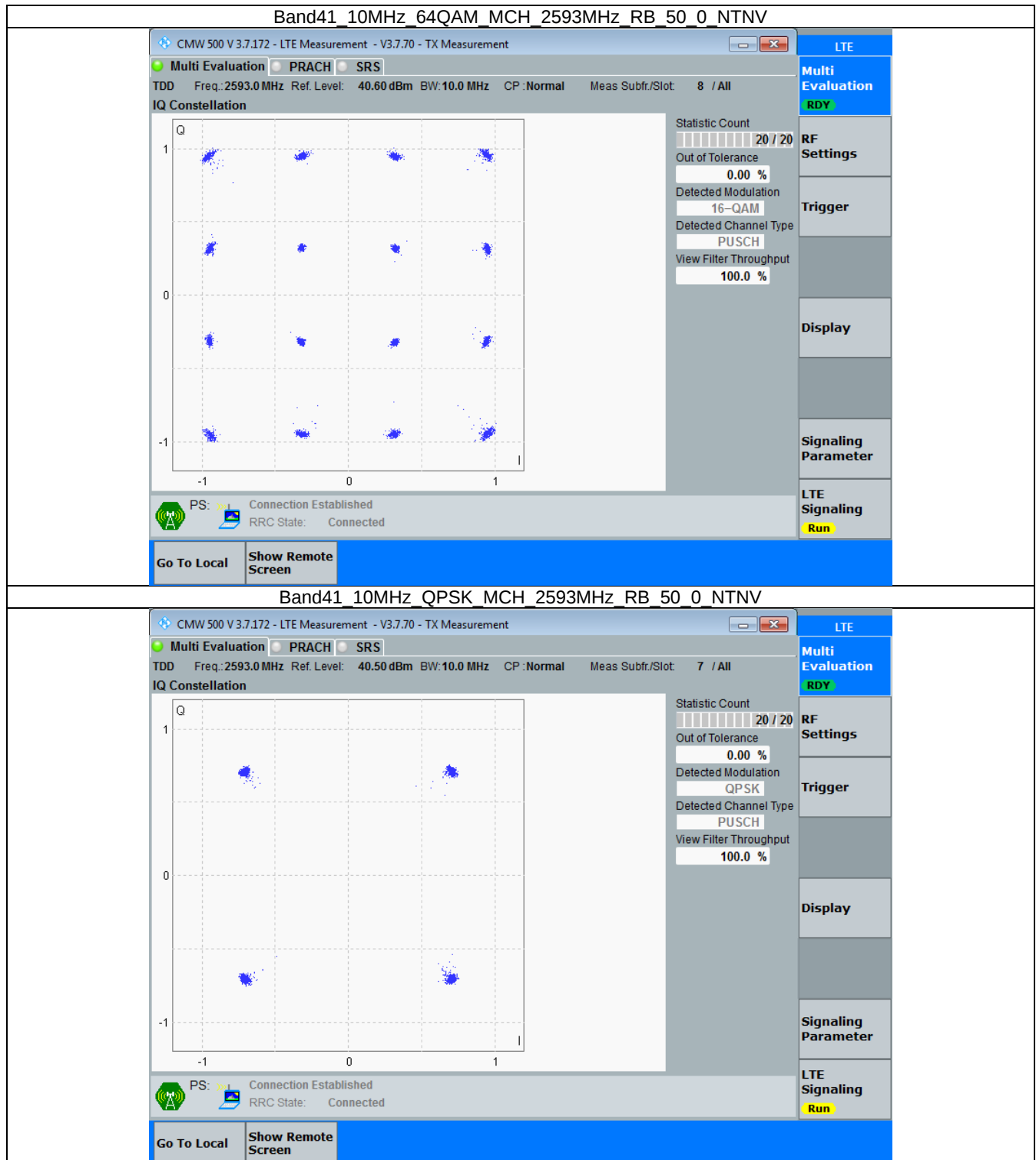
3.2 B41_10MHz

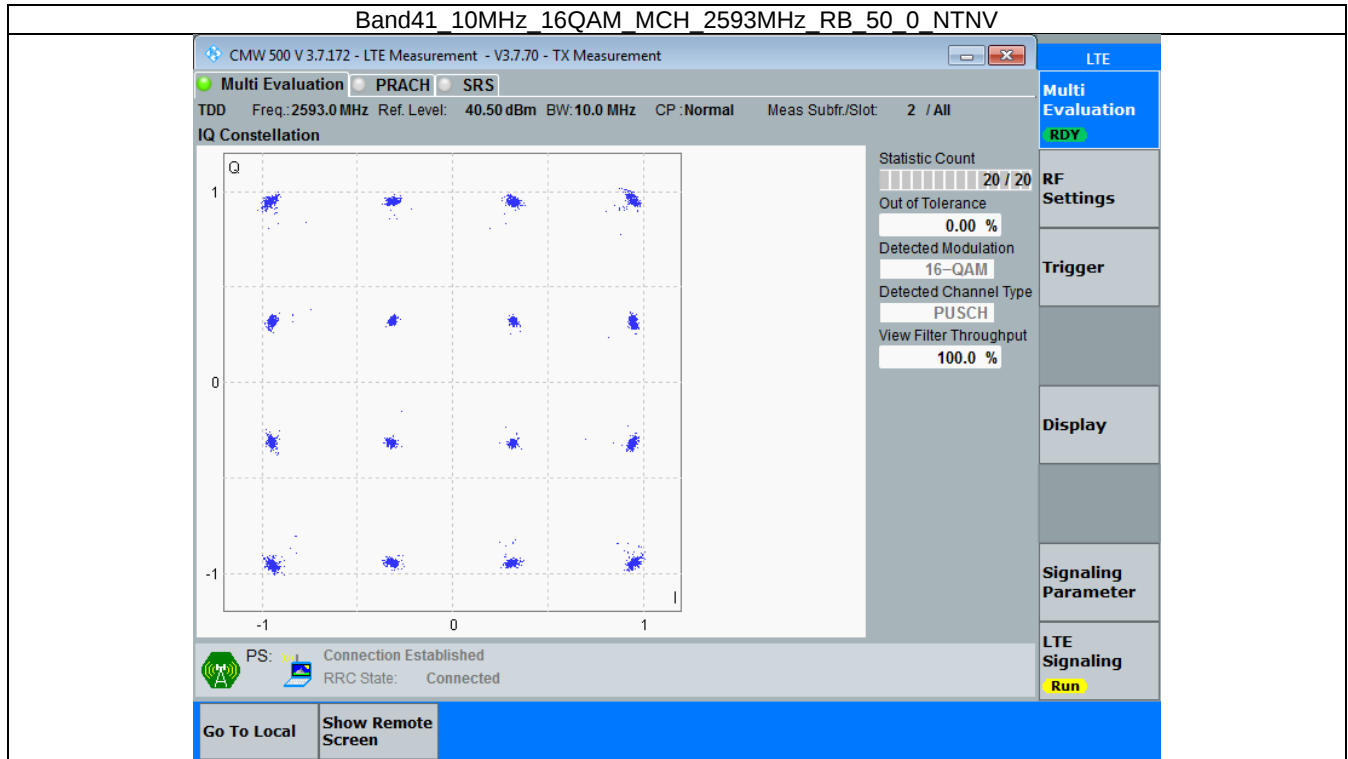
3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	Verdict
		Size	Offset	Result	Limit
64QAM	2593	50	0	Refer To Test Graph	Pass
QPSK	2593	50	0	Refer To Test Graph	Pass
16QAM	2593	50	0	Refer To Test Graph	Pass



3.2.2 Test Graph







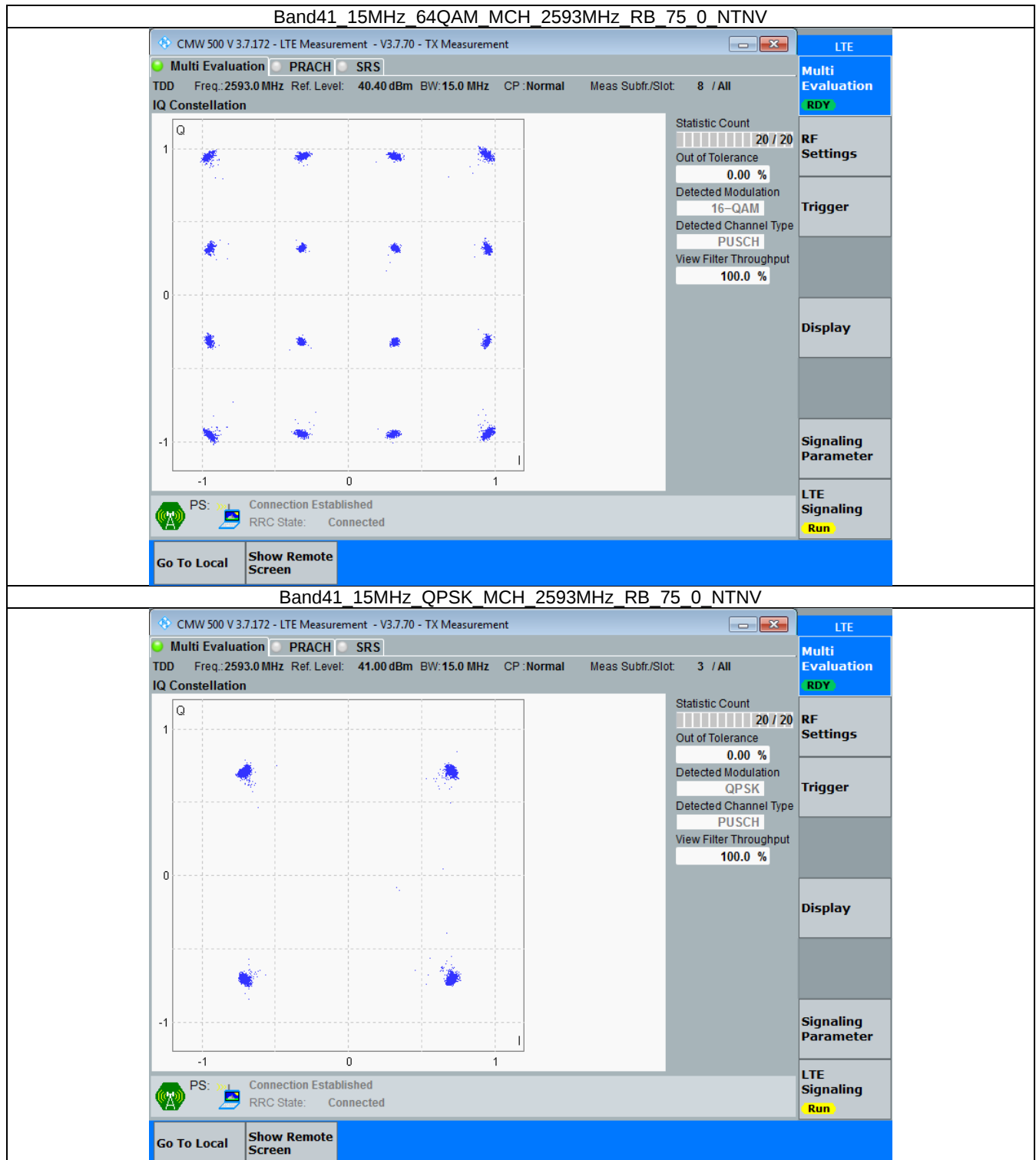
3.3 B41_15MHz

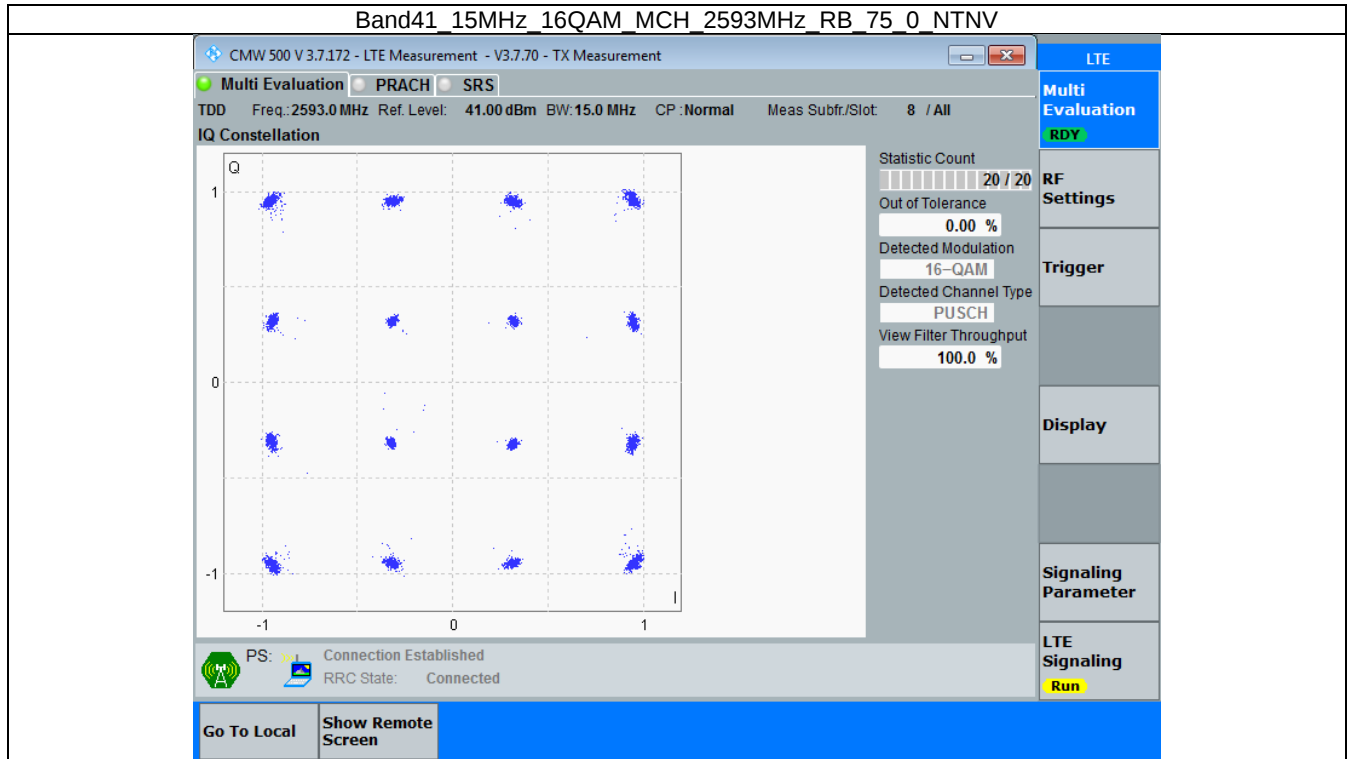
3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	Verdict
		Size	Offset	Result	Limit
64QAM	2593	75	0	Refer To Test Graph	Pass
QPSK	2593	75	0	Refer To Test Graph	Pass
16QAM	2593	75	0	Refer To Test Graph	Pass



3.3.2 Test Graph







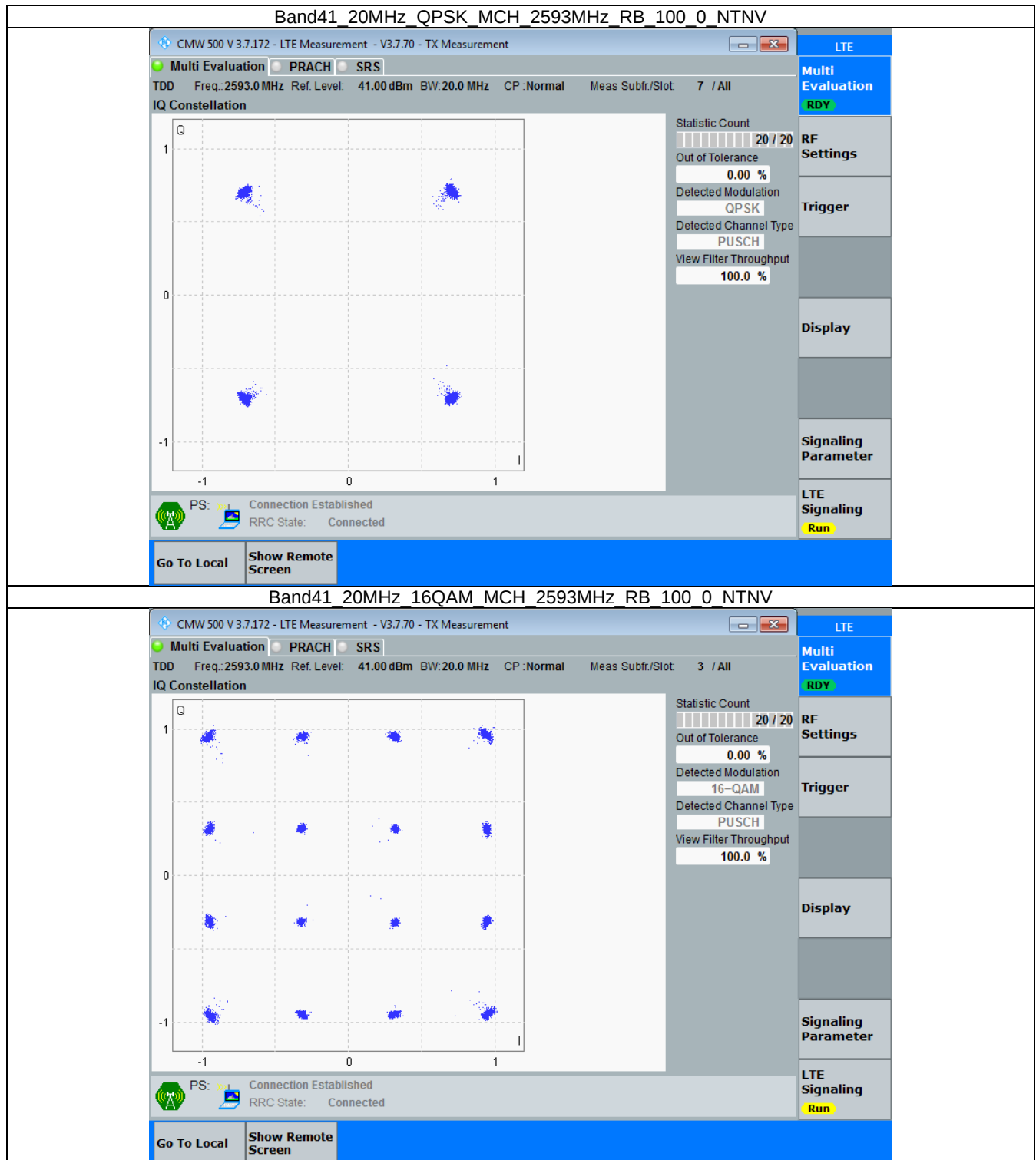
3.4 B41_20MHz

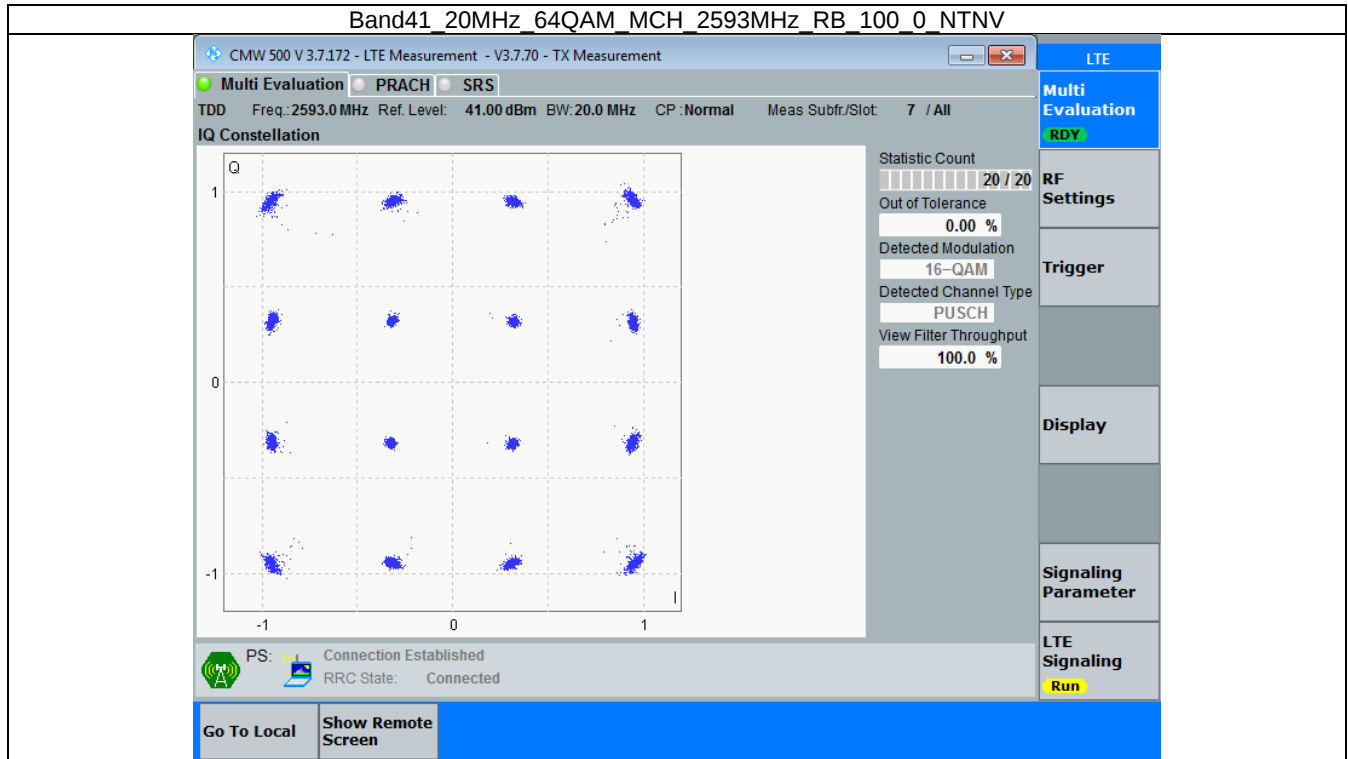
3.4.1 Test Result

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
64QAM	2593	100	0	Refer To Test Graph	Pass



3.4.2 Test Graph







4. 99% & 26dB Bandwidth

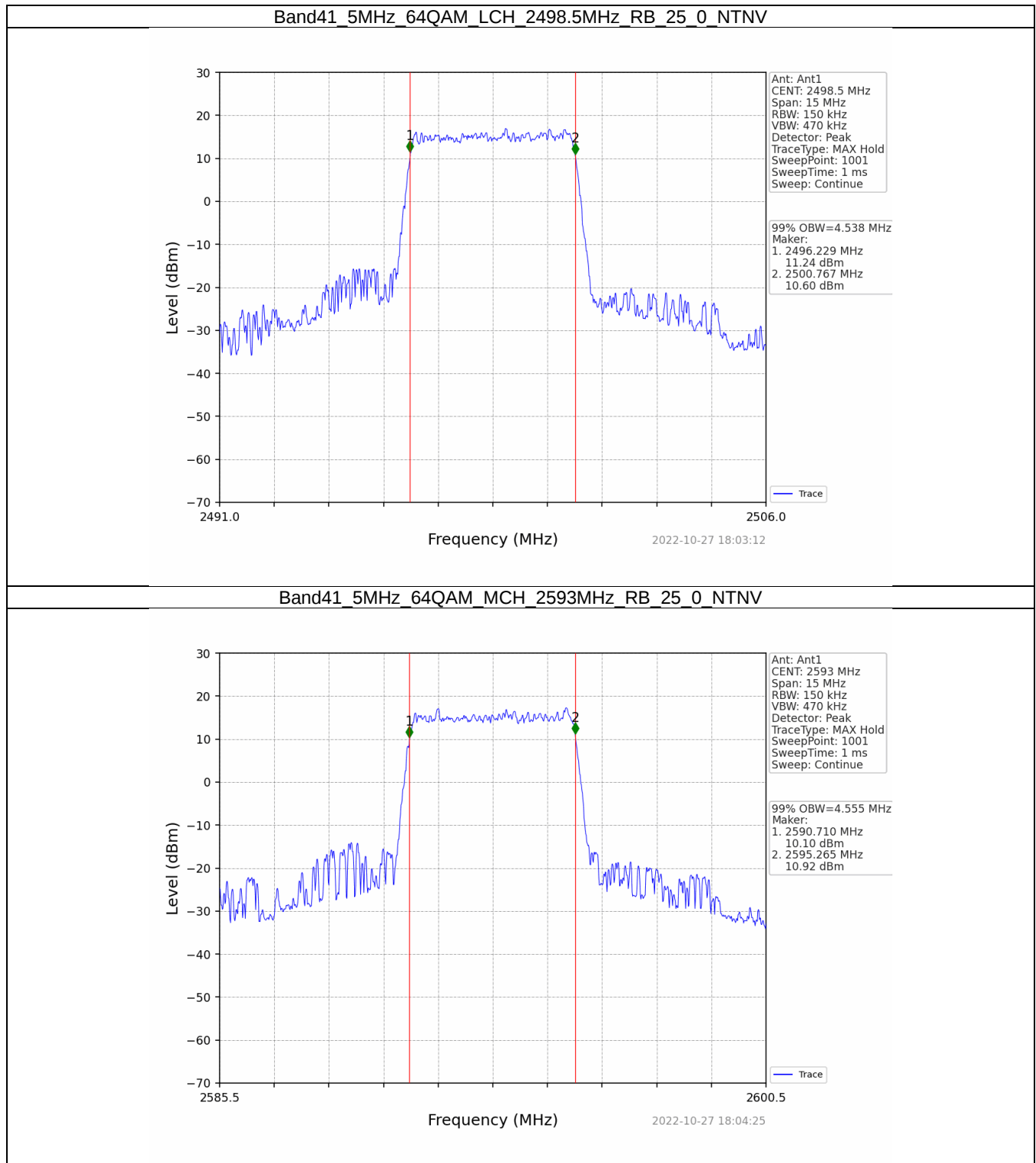
4.1 Band41_OBW

4.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	64QAM	2498.5	25	0	4.538	Pass
		2593	25	0	4.555	Pass
		2687.5	25	0	4.528	Pass
	QPSK	2498.5	25	0	4.545	Pass
		2593	25	0	4.536	Pass
		2687.5	25	0	4.538	Pass
	16QAM	2498.5	25	0	4.536	Pass
10	64QAM	2501	50	0	9.018	Pass
		2593	50	0	9.017	Pass
5	16QAM	2593	25	0	4.546	Pass
		2687.5	25	0	4.524	Pass
10	64QAM	2685	50	0	9.018	Pass
		2501	50	0	9.031	Pass
		2593	50	0	9.068	Pass
		2685	50	0	9.039	Pass
	16QAM	2501	50	0	9.009	Pass
		2593	50	0	9.025	Pass
		2685	50	0	8.993	Pass
15	64QAM	2503.5	75	0	13.575	Pass
	QPSK	2503.5	75	0	13.538	Pass
	64QAM	2593	75	0	13.618	Pass
	QPSK	2593	75	0	13.574	Pass
		2682.5	75	0	13.516	Pass
	64QAM	2682.5	75	0	13.605	Pass
	16QAM	2503.5	75	0	13.566	Pass
		2593	75	0	13.608	Pass
20	QPSK	2506	100	0	18.001	Pass
		2593	100	0	18.084	Pass
		2680	100	0	18.006	Pass
	64QAM	2506	100	0	18.038	Pass
		2506	100	0	18.026	Pass
	16QAM	2593	100	0	18.074	Pass
		2593	100	0	18.058	Pass
	64QAM	2680	100	0	18.014	Pass
	16QAM	2680	100	0	18.030	Pass

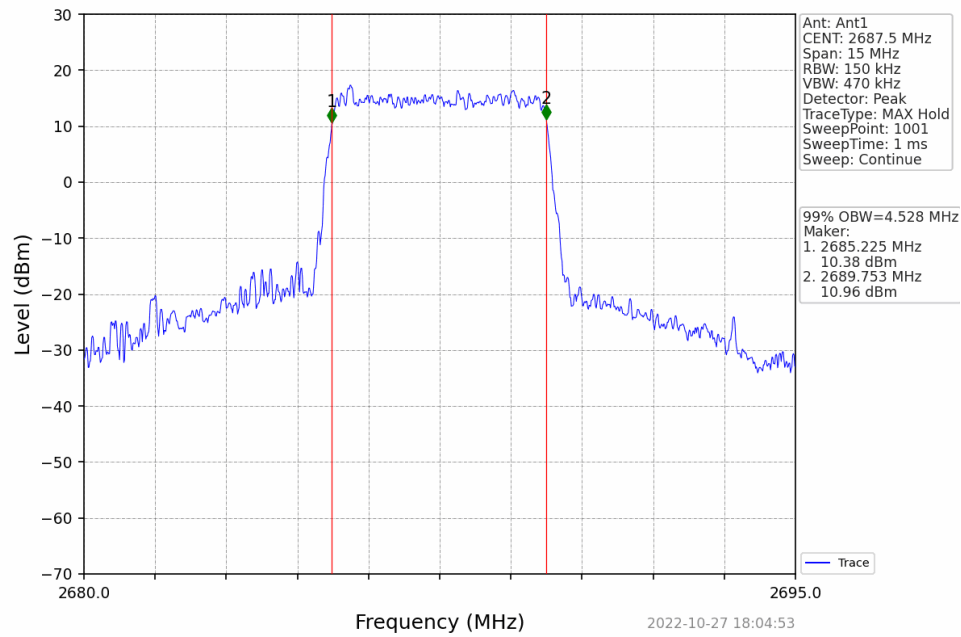


4.1.2 Test Graph

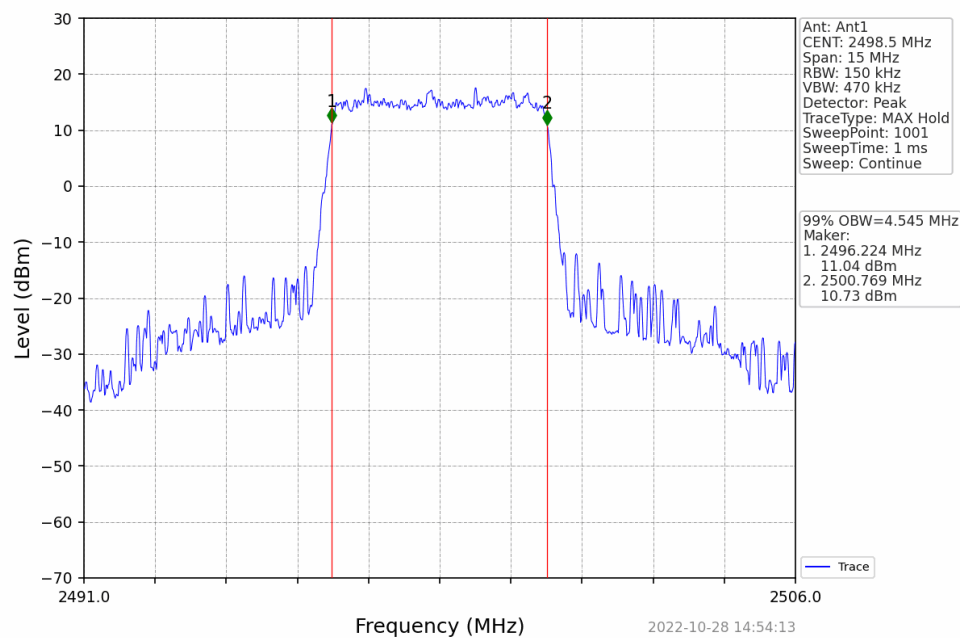




Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV

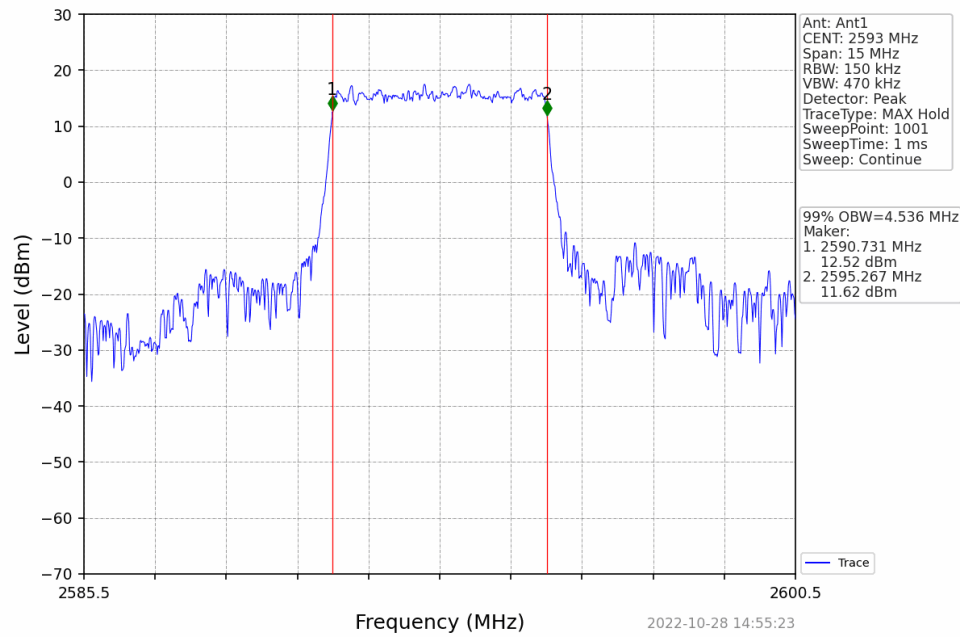


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

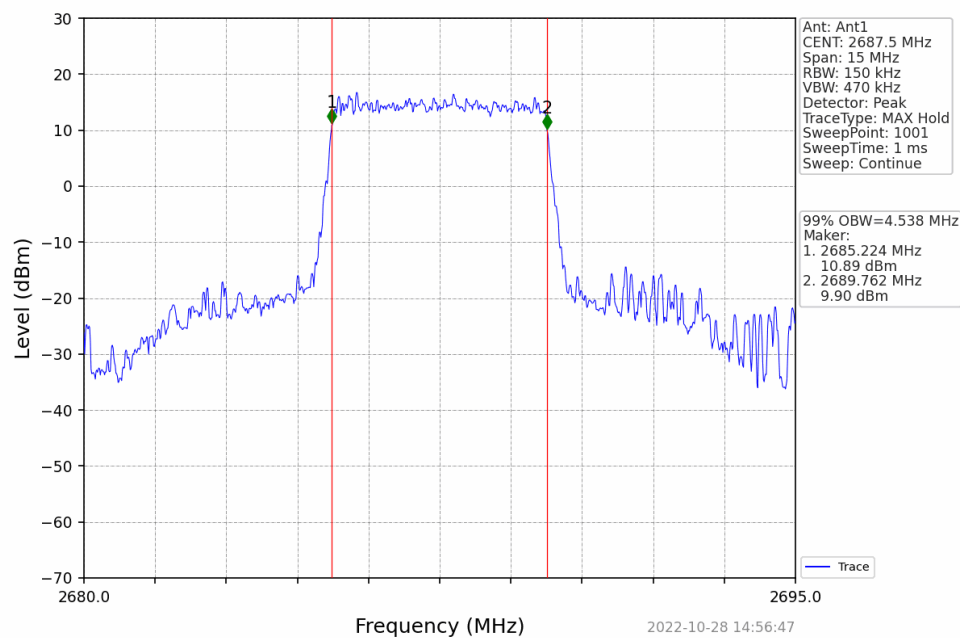




Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV

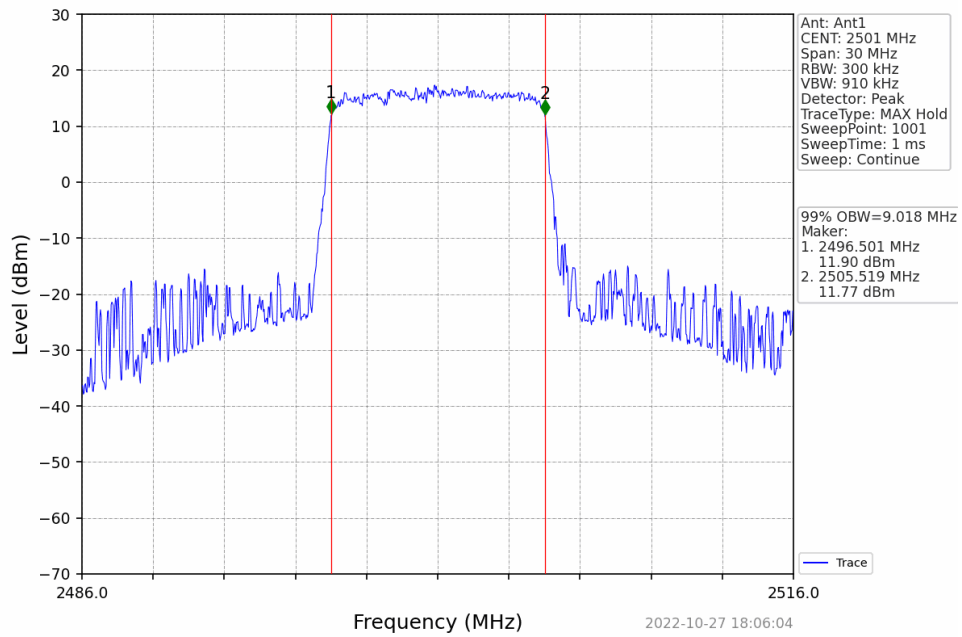


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV

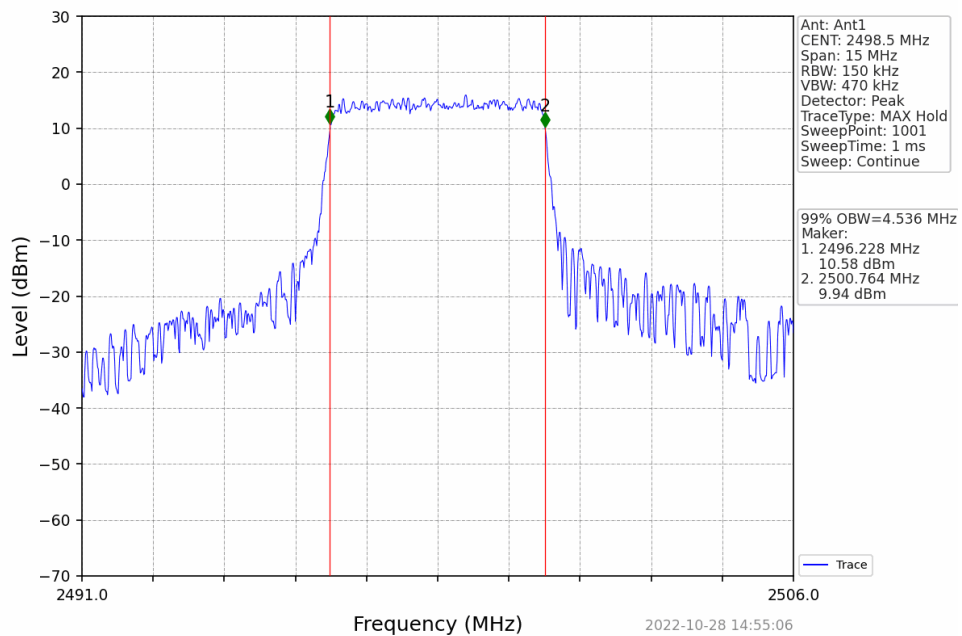




Band41_10MHz_64QAM_LCH_2501MHz_RB_50_0_NTNV

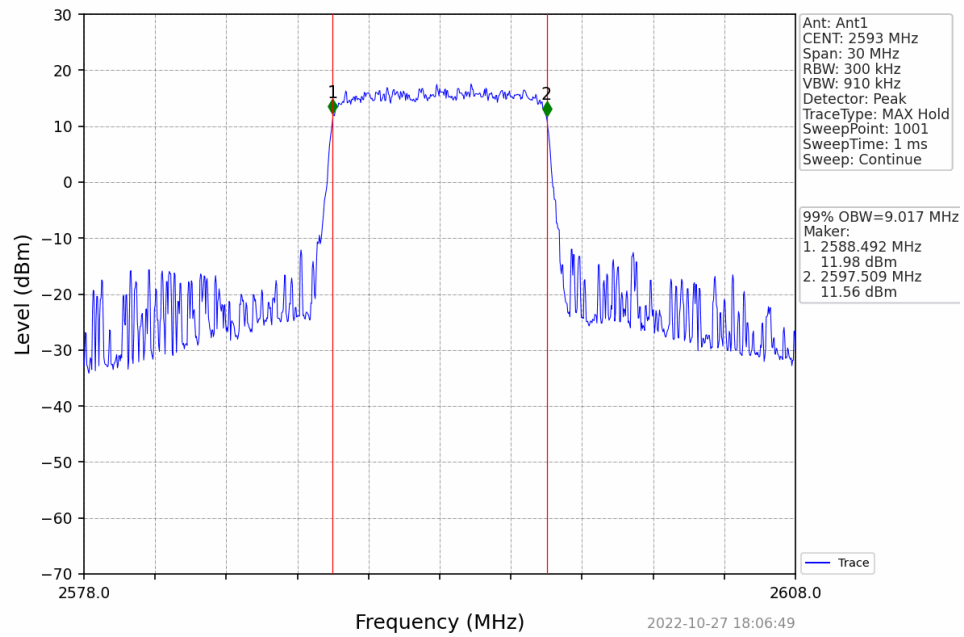


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

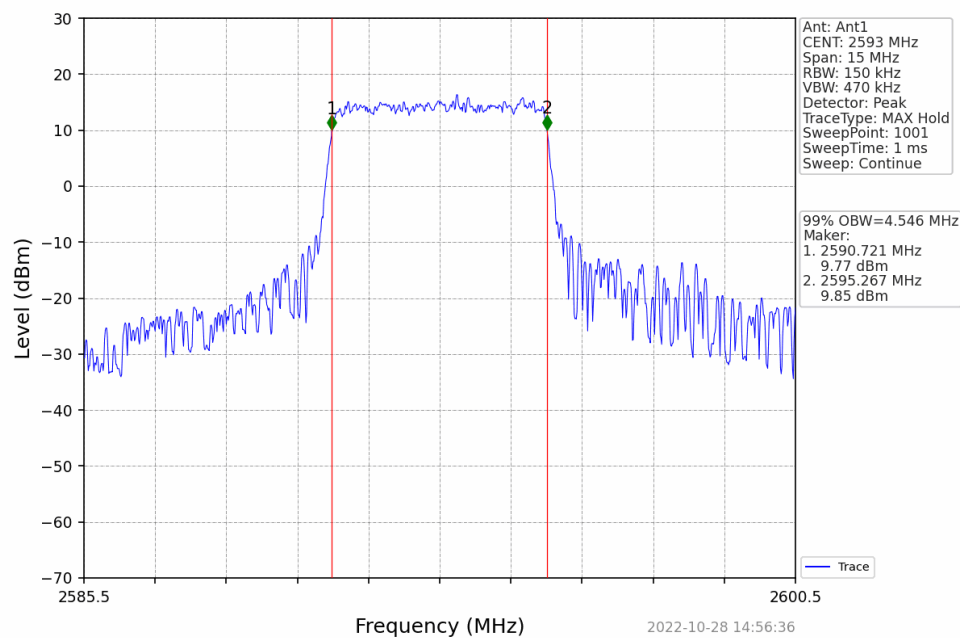




Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV

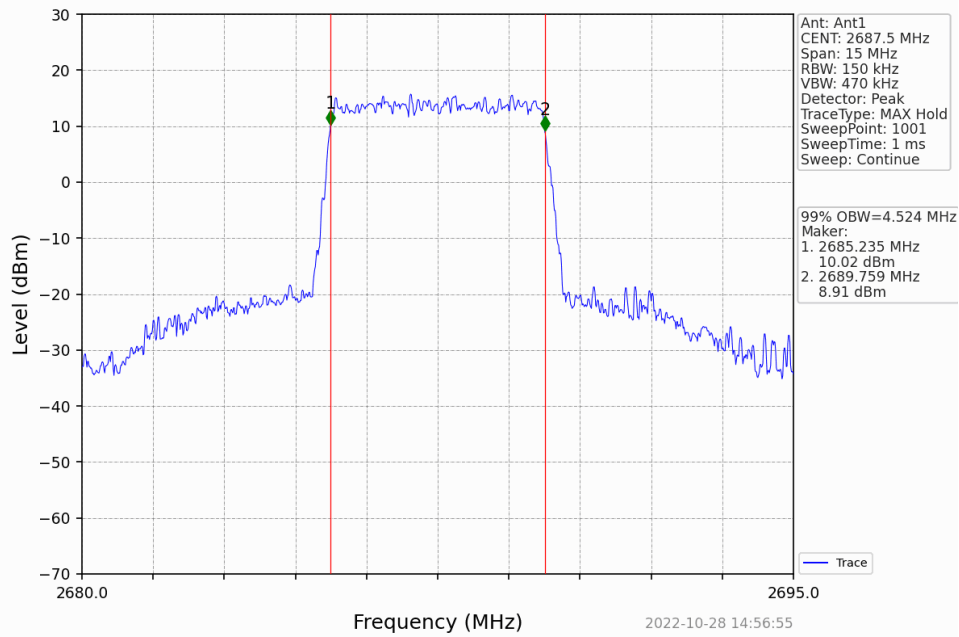


Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

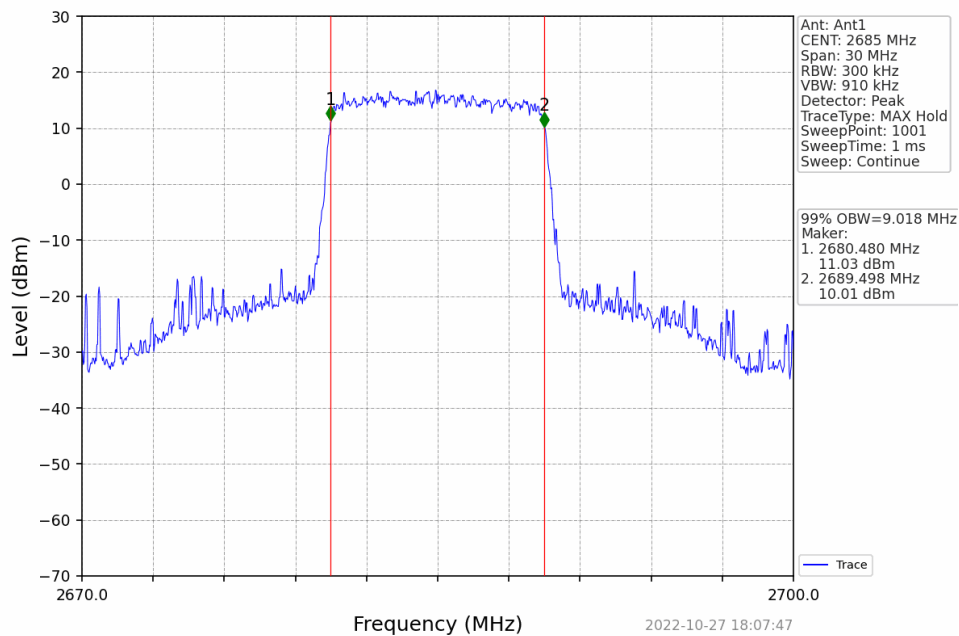




Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

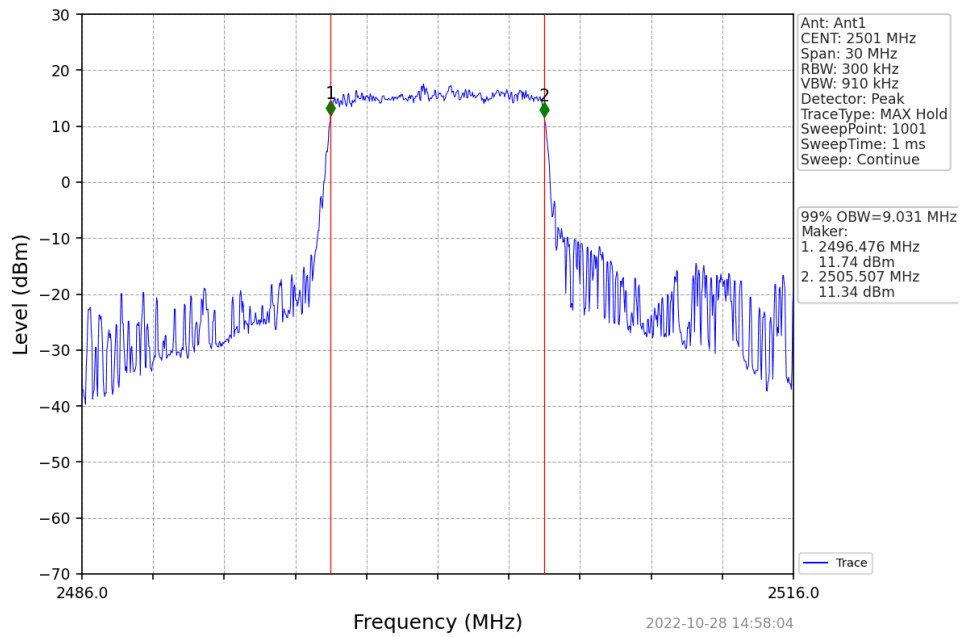


Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV

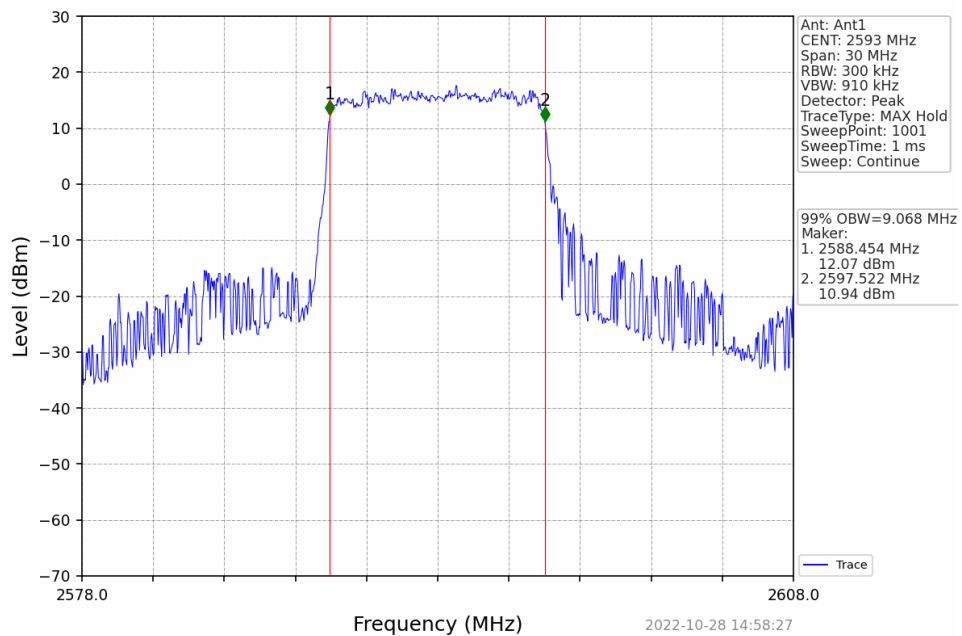




Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

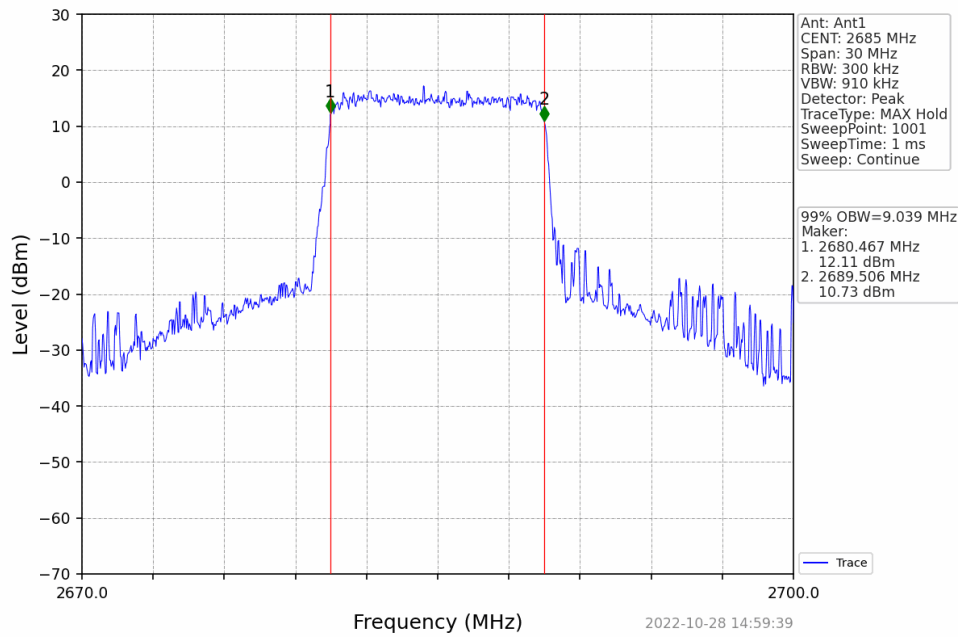


Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV

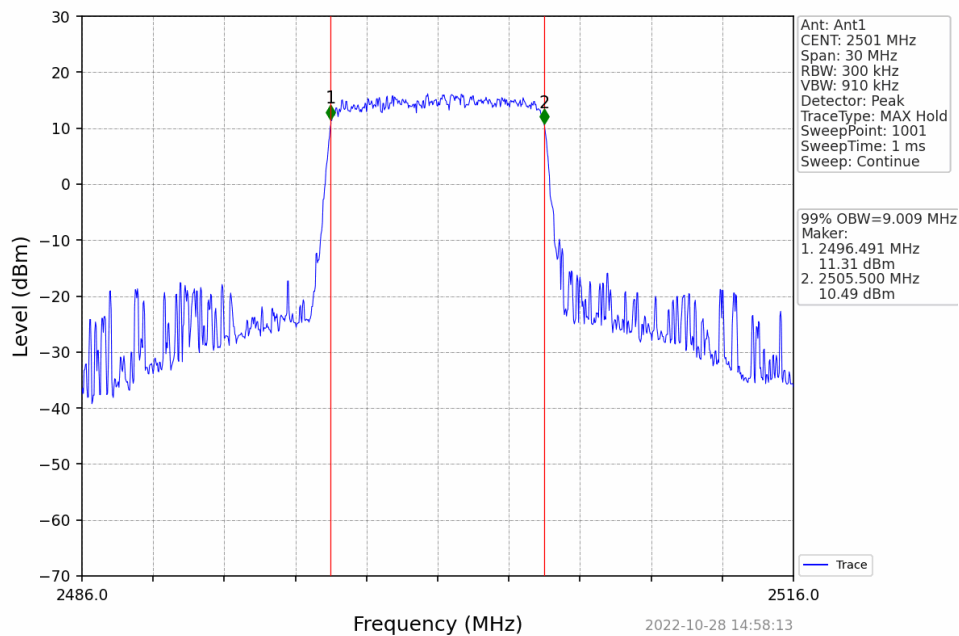




Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV

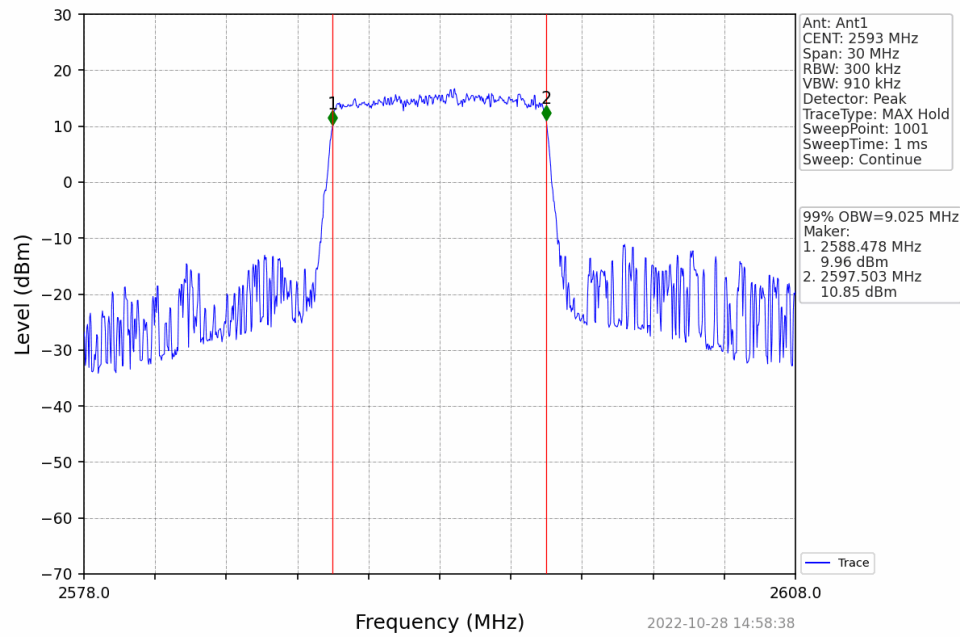


Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV

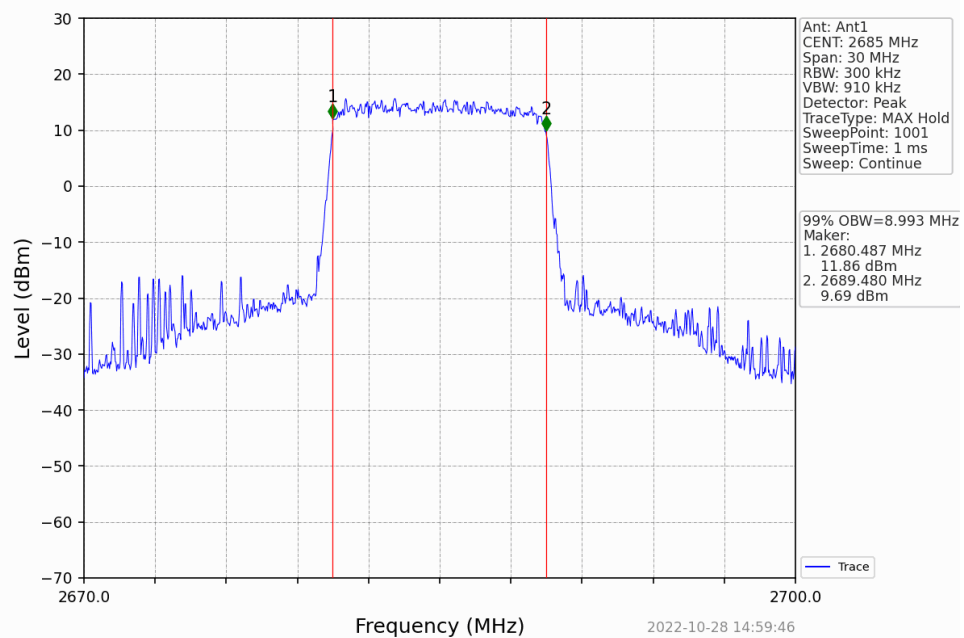




Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV

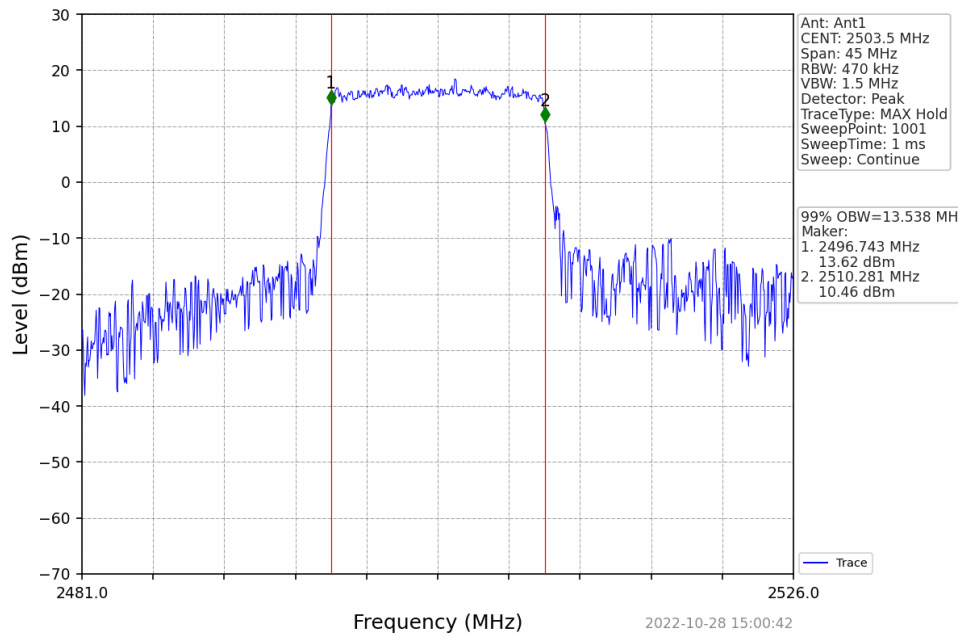


Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV

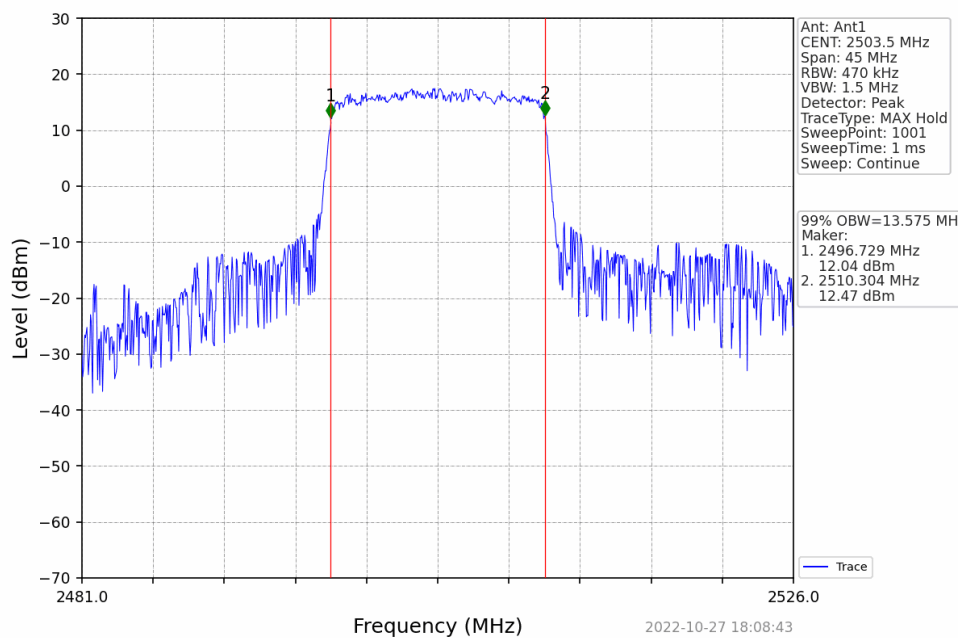




Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

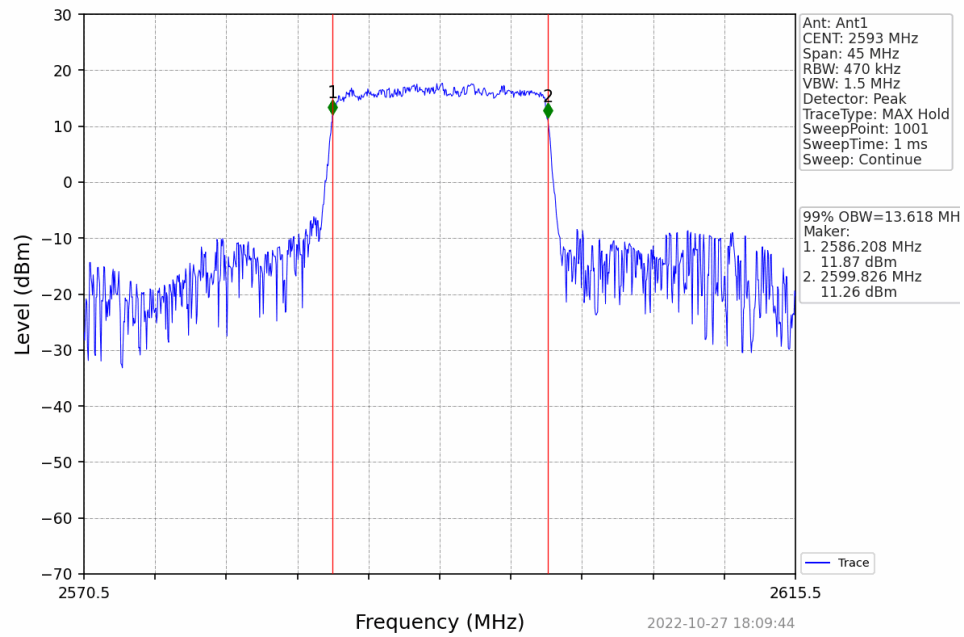


Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV

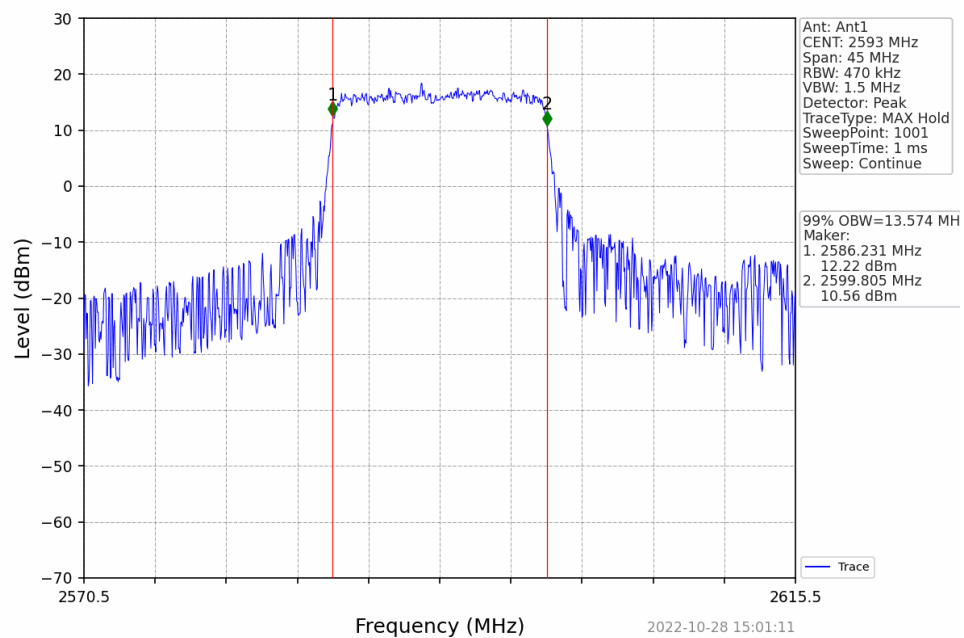




Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV

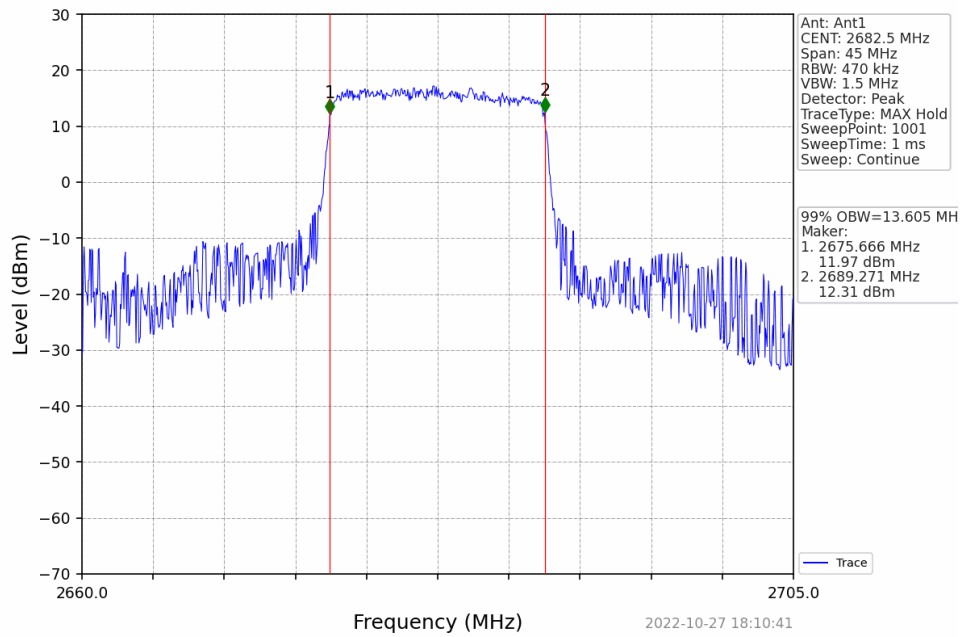


Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV

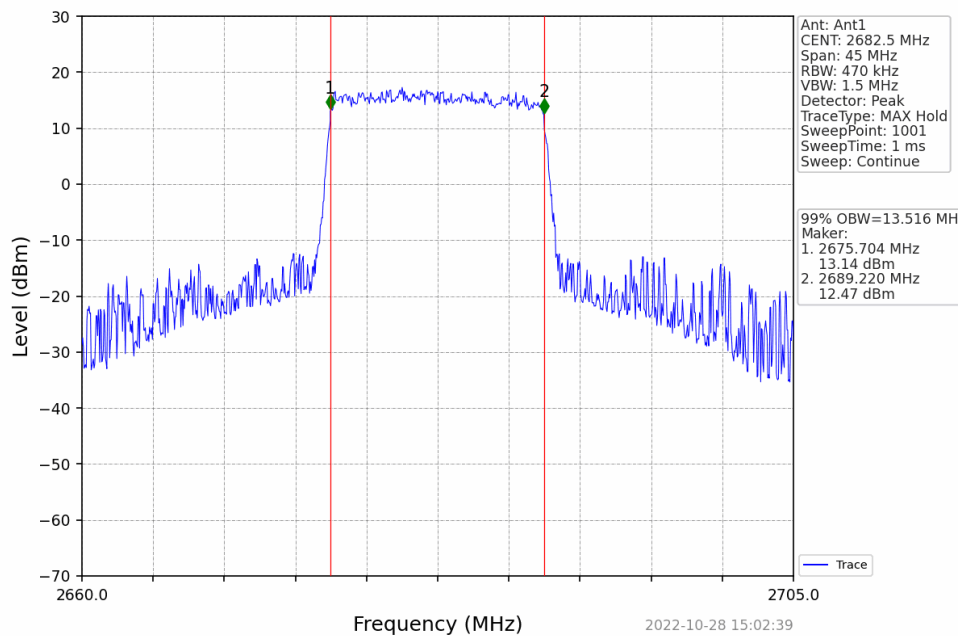




Band41_15MHz_64QAM_HCH_2682.5MHz_RB_75_0_NTNV

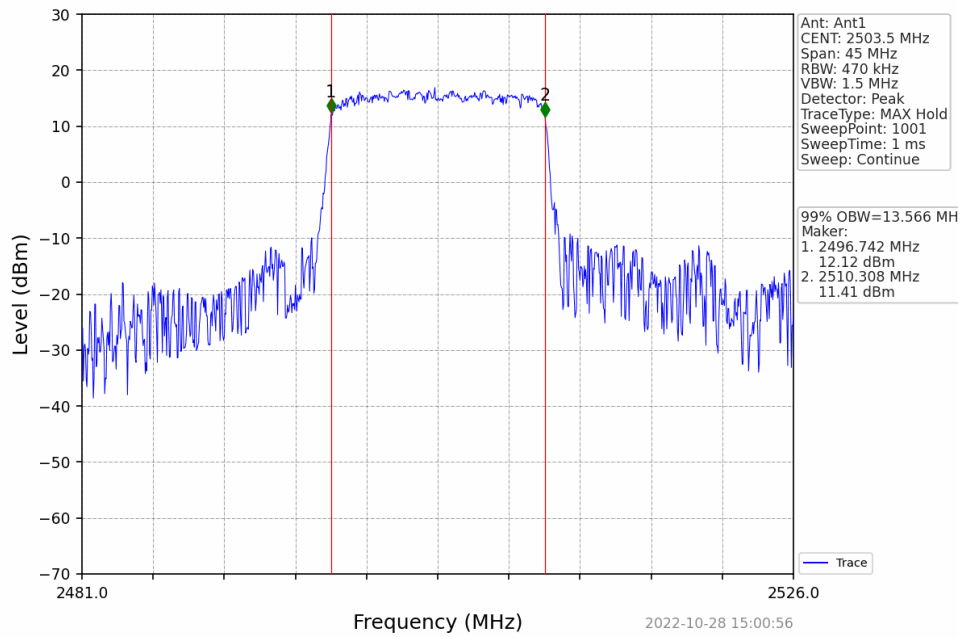


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV

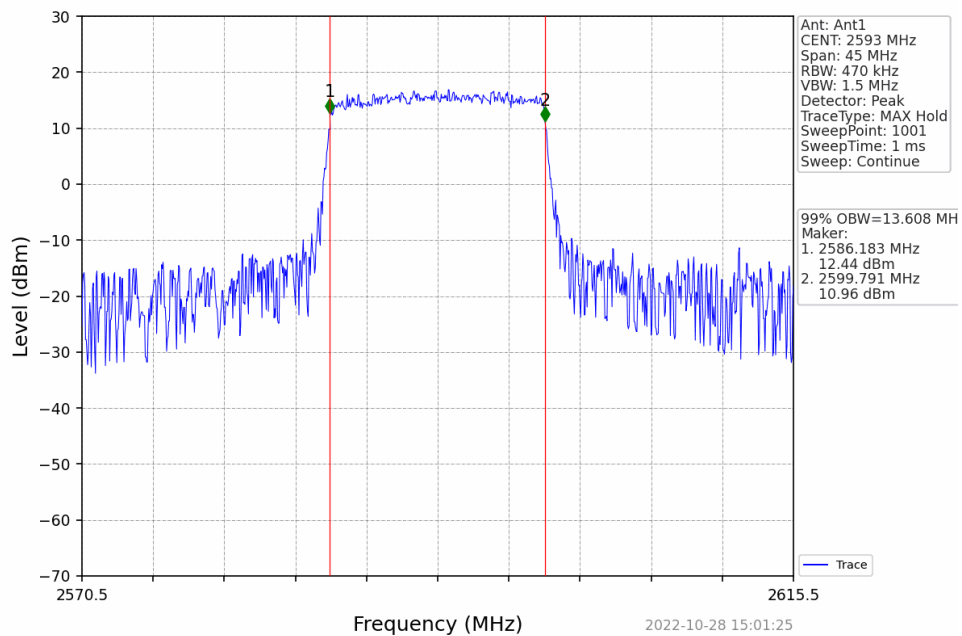




Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV

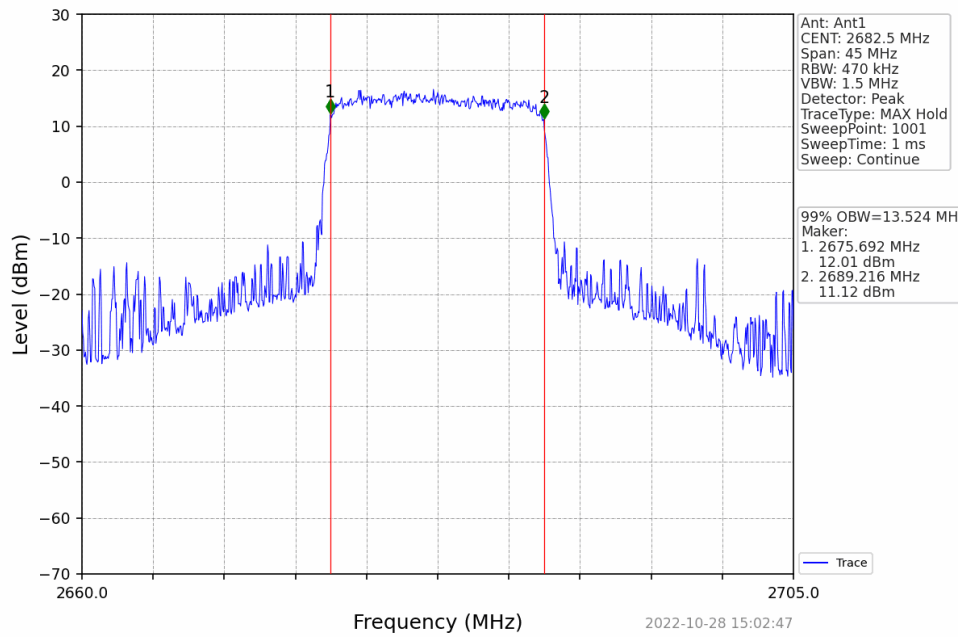


Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV

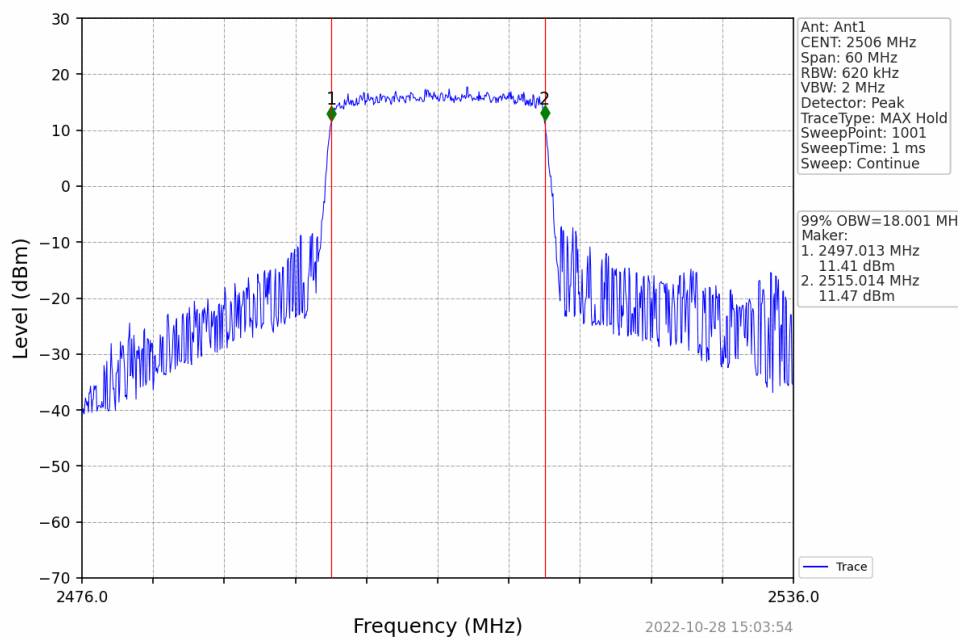




Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV

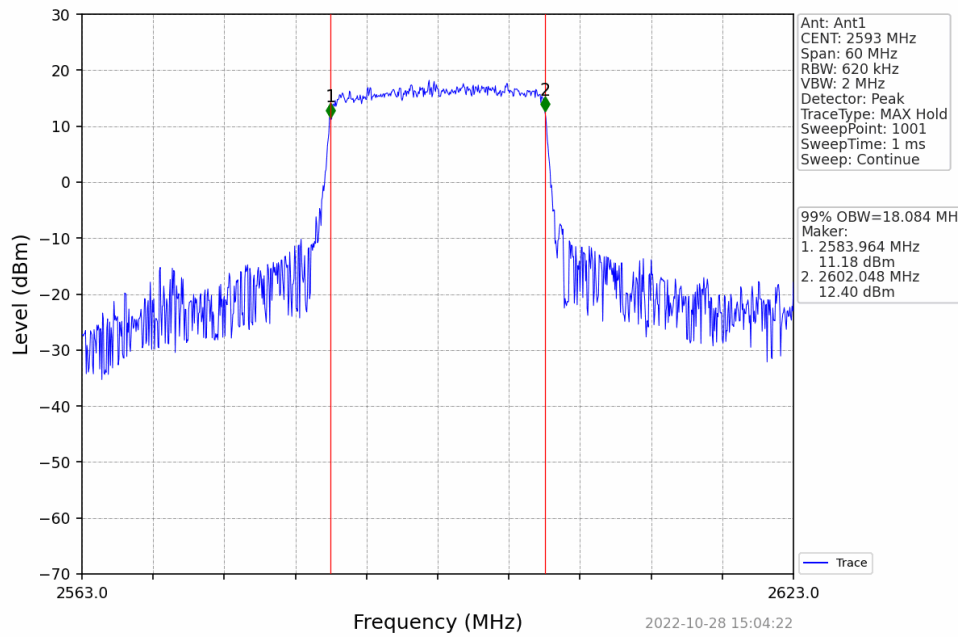


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

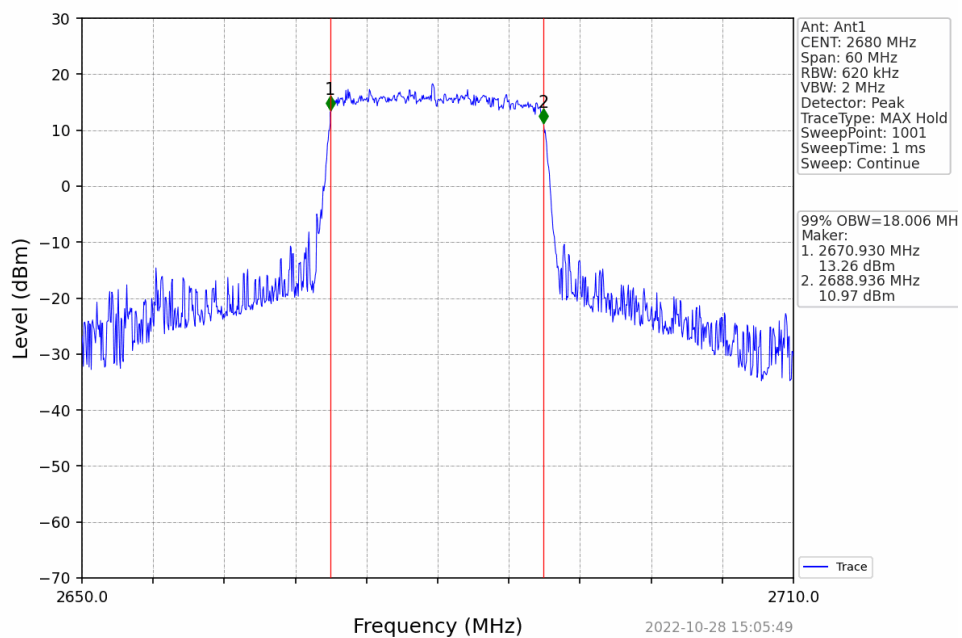




Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV

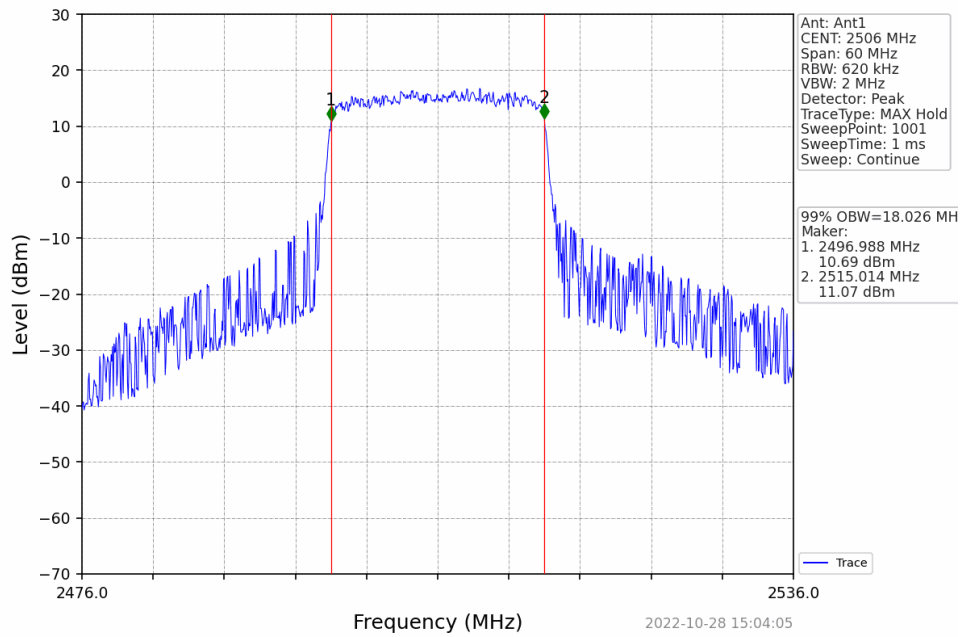


Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV

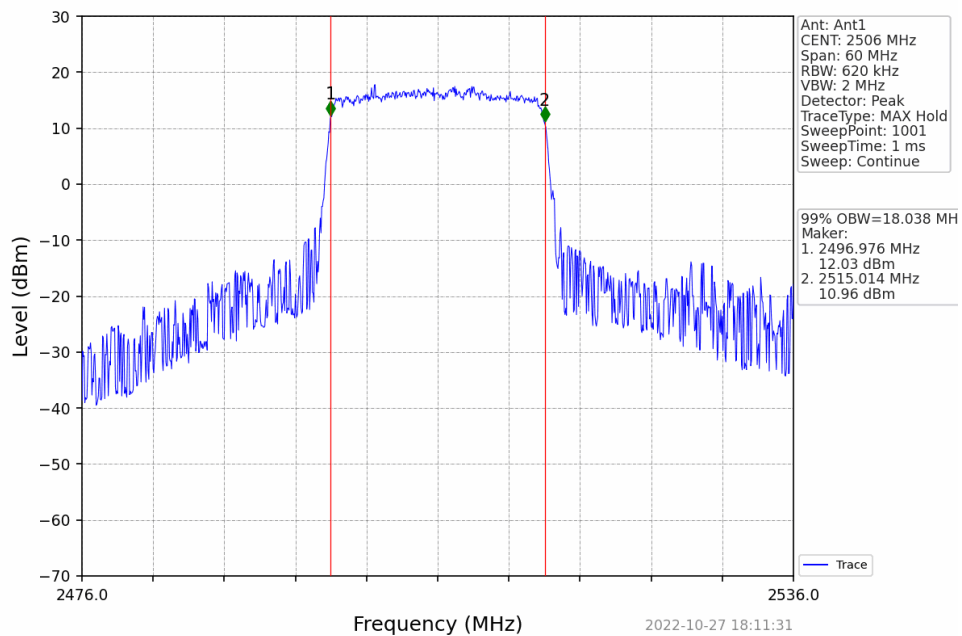




Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV

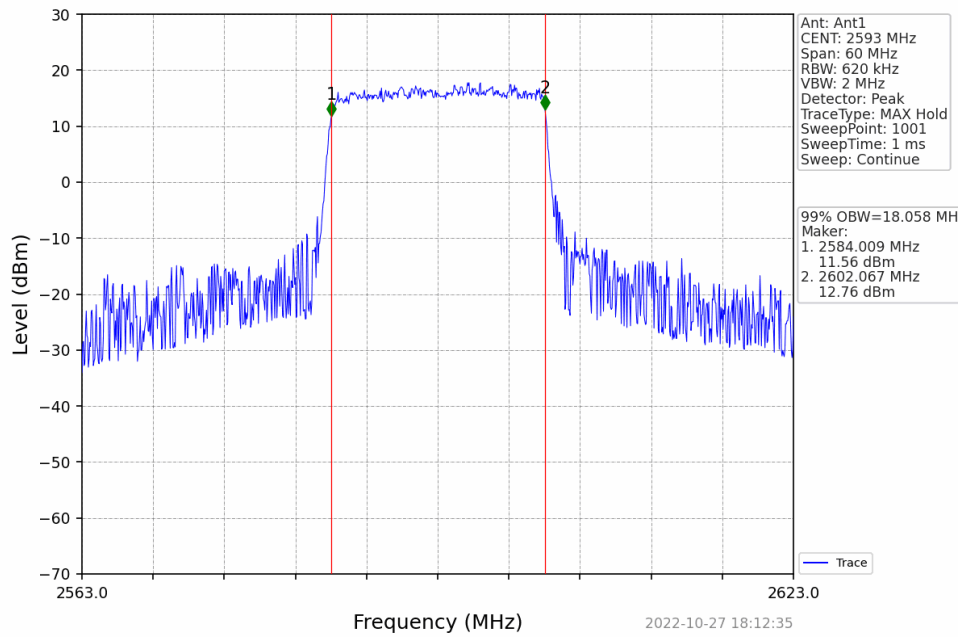


Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV

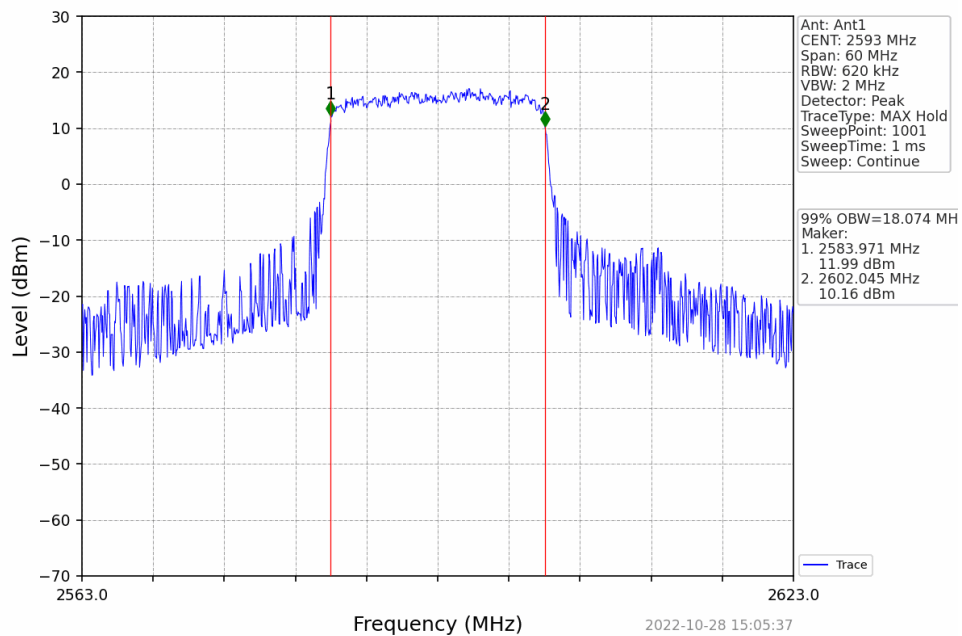




Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV

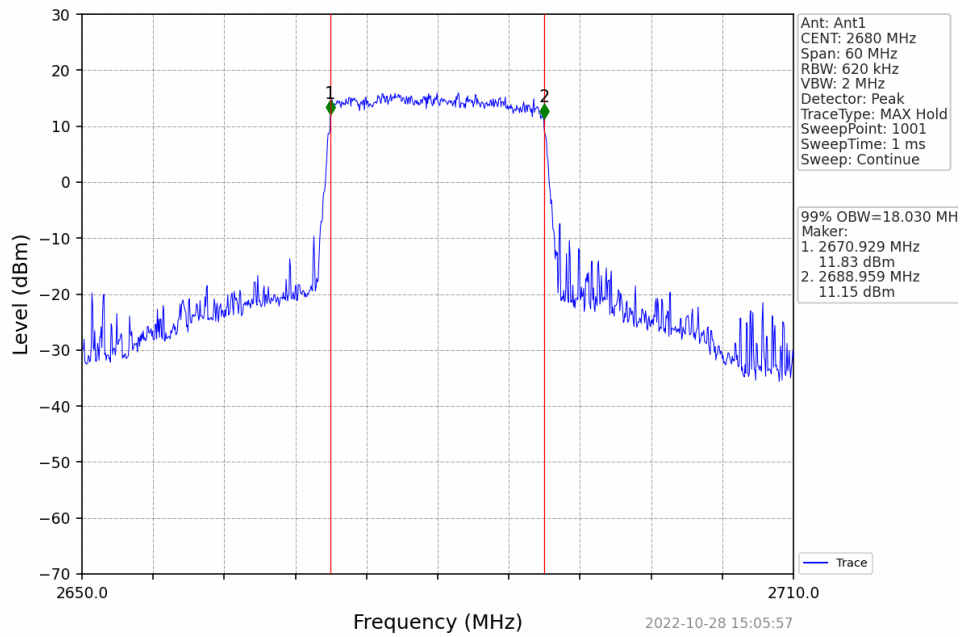


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

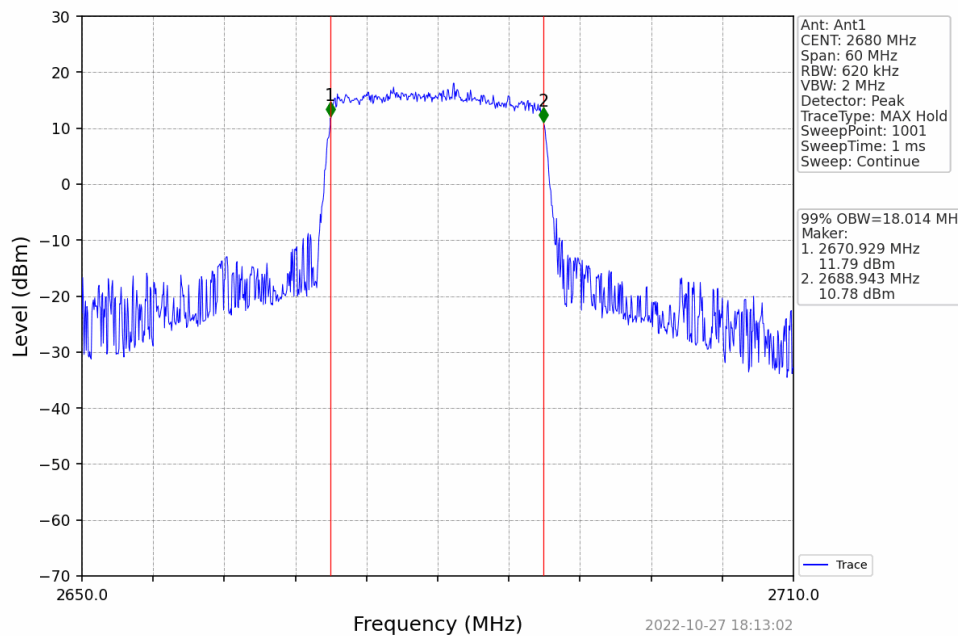




Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV





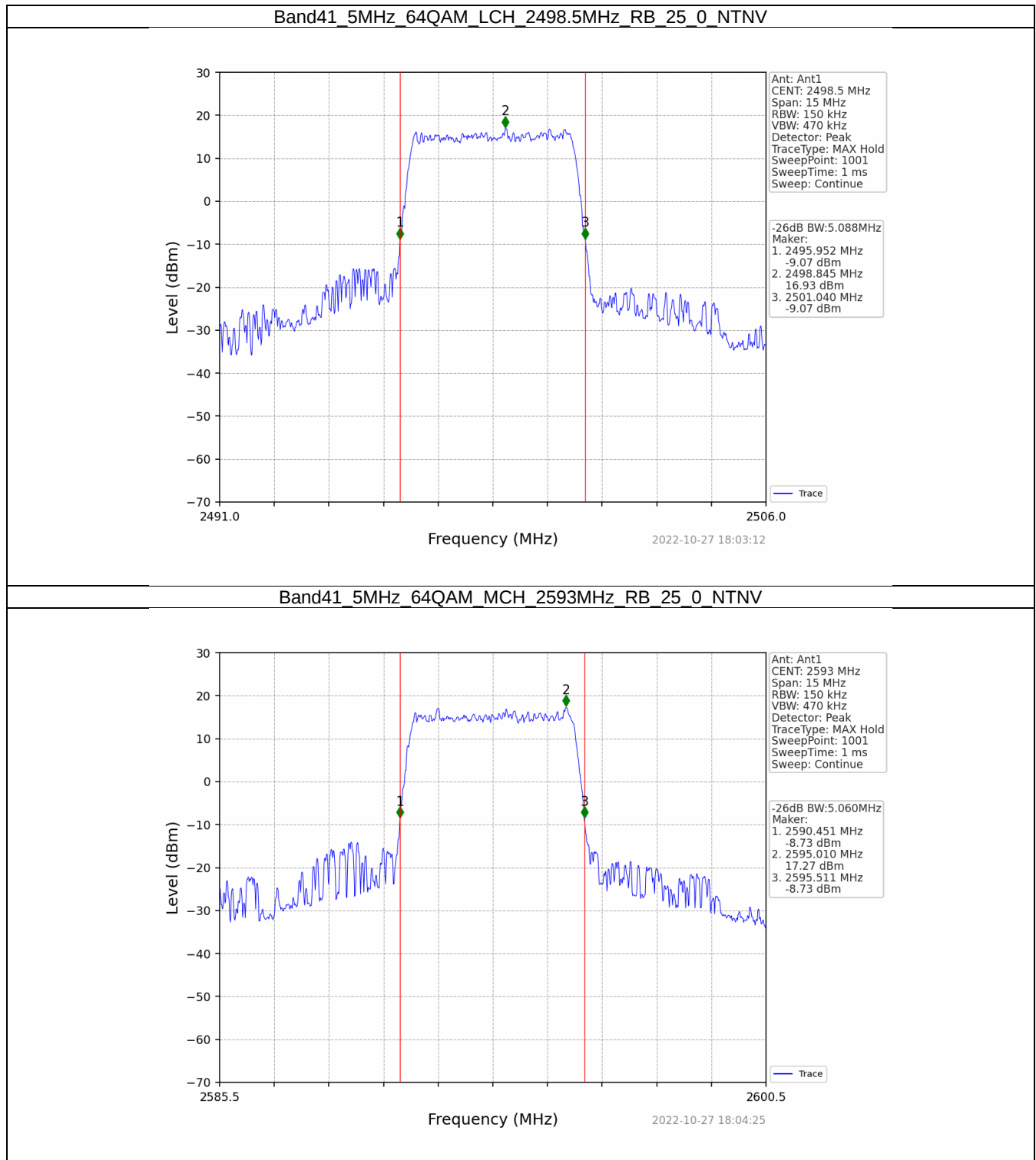
4.2 Band41_XDB

4.2.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	64QAM	2498.5	25	0	5.088	Pass
		2593	25	0	5.060	Pass
		2687.5	25	0	5.017	Pass
	QPSK	2498.5	25	0	5.059	Pass
		2593	25	0	5.086	Pass
		2687.5	25	0	5.066	Pass
10	64QAM	2501	50	0	10.013	Pass
5	16QAM	2498.5	25	0	5.295	Pass
10	64QAM	2593	50	0	9.983	Pass
5	16QAM	2593	25	0	5.418	Pass
		2687.5	25	0	5.000	Pass
10	64QAM	2685	50	0	10.013	Pass
		2501	50	0	10.232	Pass
	QPSK	2593	50	0	10.767	Pass
		2685	50	0	10.037	Pass
	16QAM	2501	50	0	10.071	Pass
		2593	50	0	9.949	Pass
		2685	50	0	9.927	Pass
15	QPSK	2503.5	75	0	15.090	Pass
		2503.5	75	0	16.709	Pass
		2593	75	0	15.683	Pass
	64QAM	2593	75	0	17.246	Pass
		2682.5	75	0	17.374	Pass
		2682.5	75	0	14.891	Pass
	16QAM	2503.5	75	0	15.185	Pass
		2593	75	0	15.683	Pass
		2682.5	75	0	14.997	Pass
20	QPSK	2506	100	0	21.476	Pass
		2593	100	0	20.720	Pass
		2680	100	0	19.958	Pass
	64QAM	2506	100	0	20.774	Pass
	16QAM	2506	100	0	22.649	Pass
		2593	100	0	22.552	Pass
	64QAM	2593	100	0	20.738	Pass
	16QAM	2680	100	0	20.798	Pass
	64QAM	2680	100	0	20.001	Pass

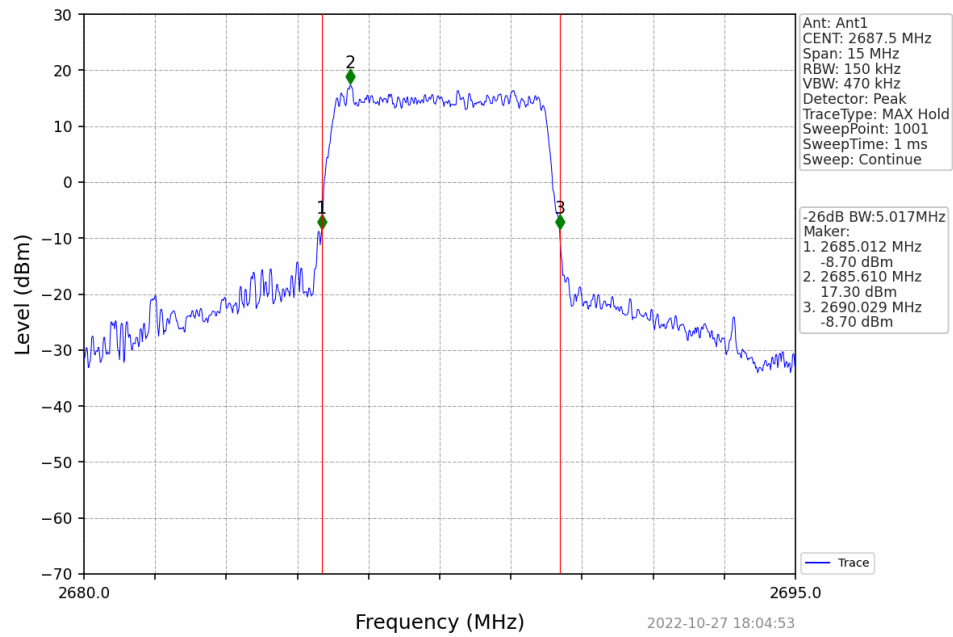


4.2.2 Test Graph

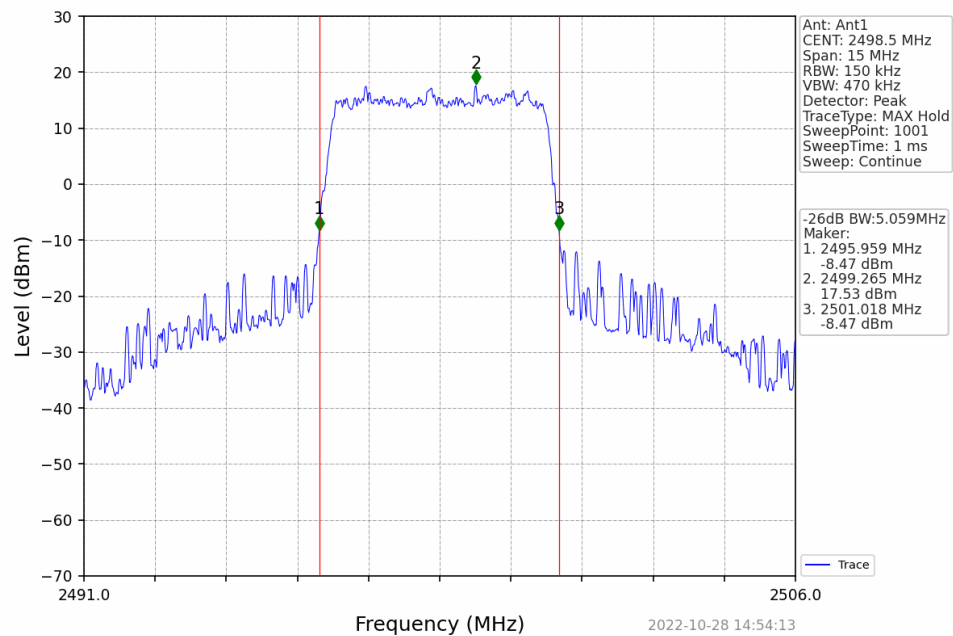




Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV

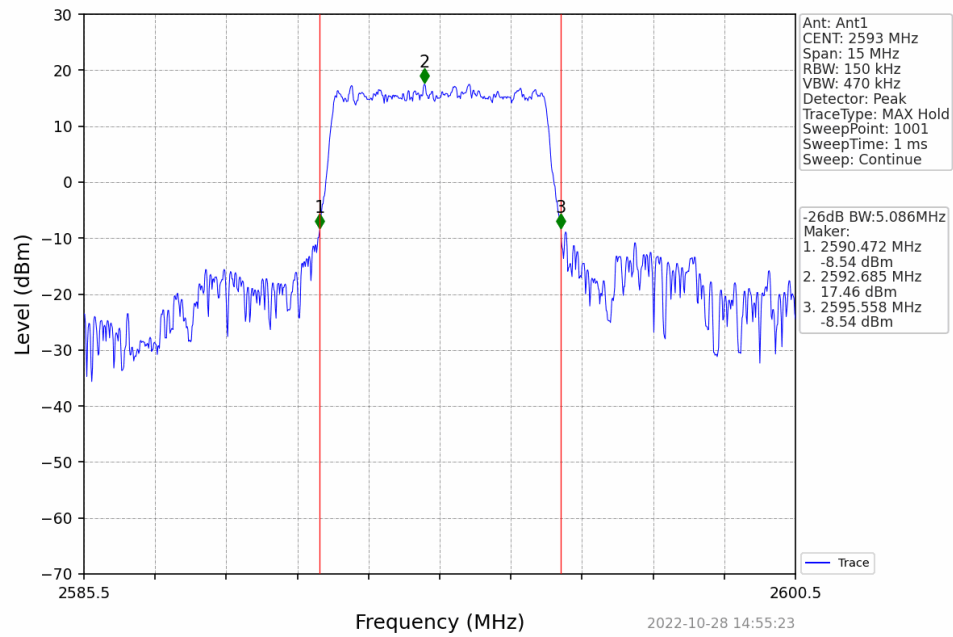


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

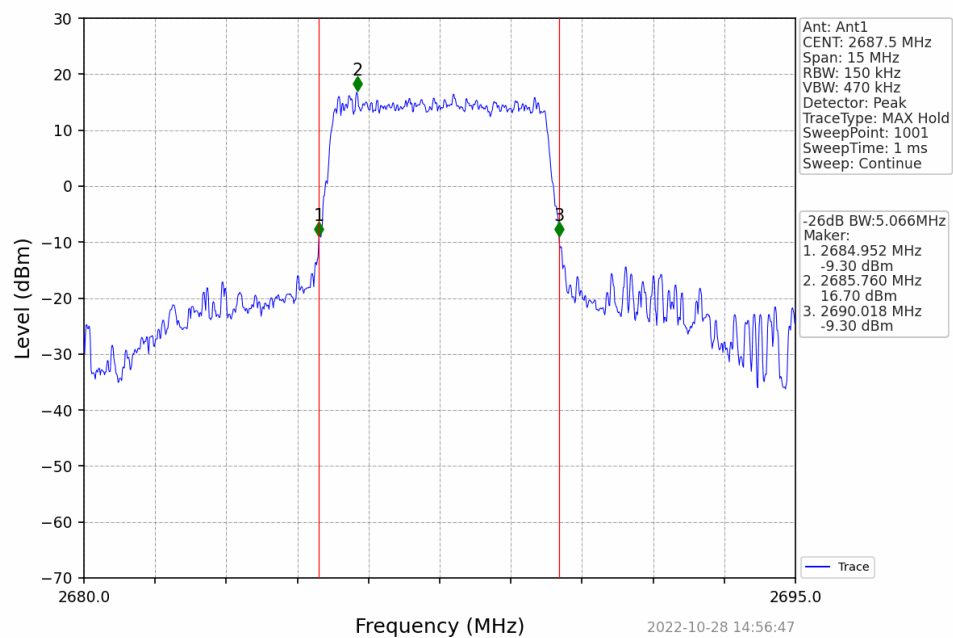




Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV

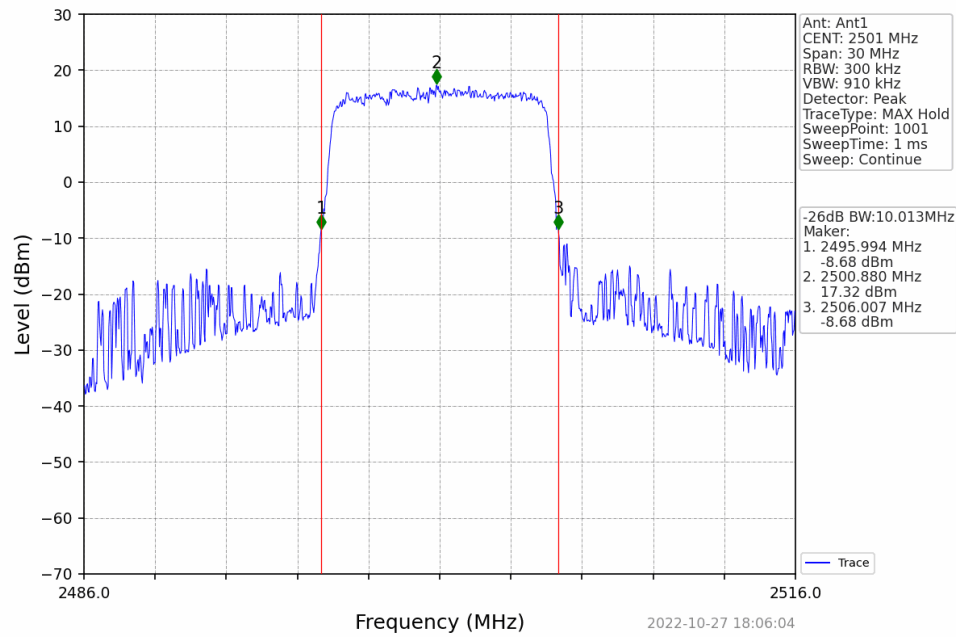


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV

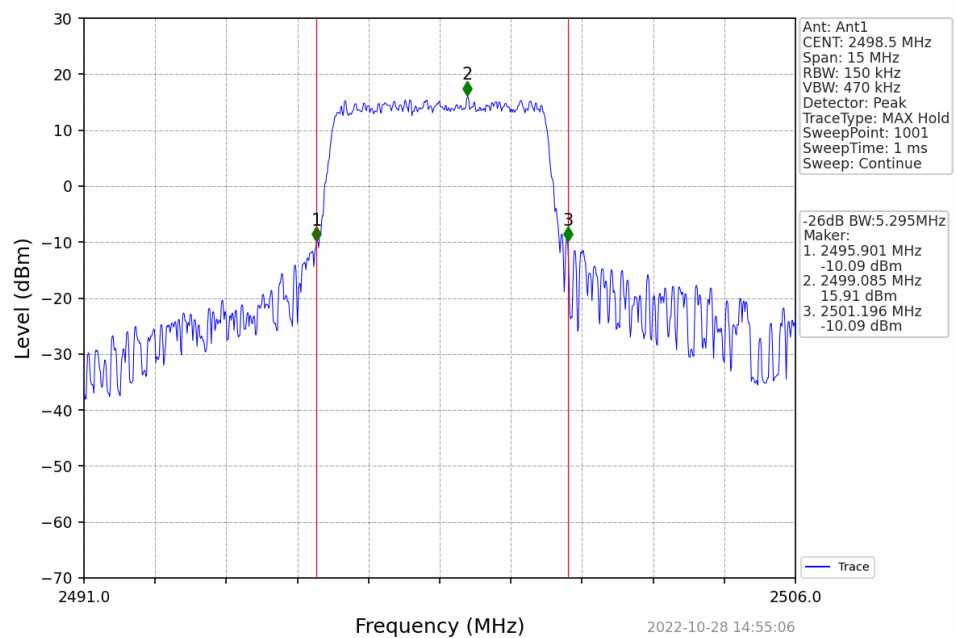




Band41_10MHz_64QAM_LCH_2501MHz_RB_50_0_NTNV

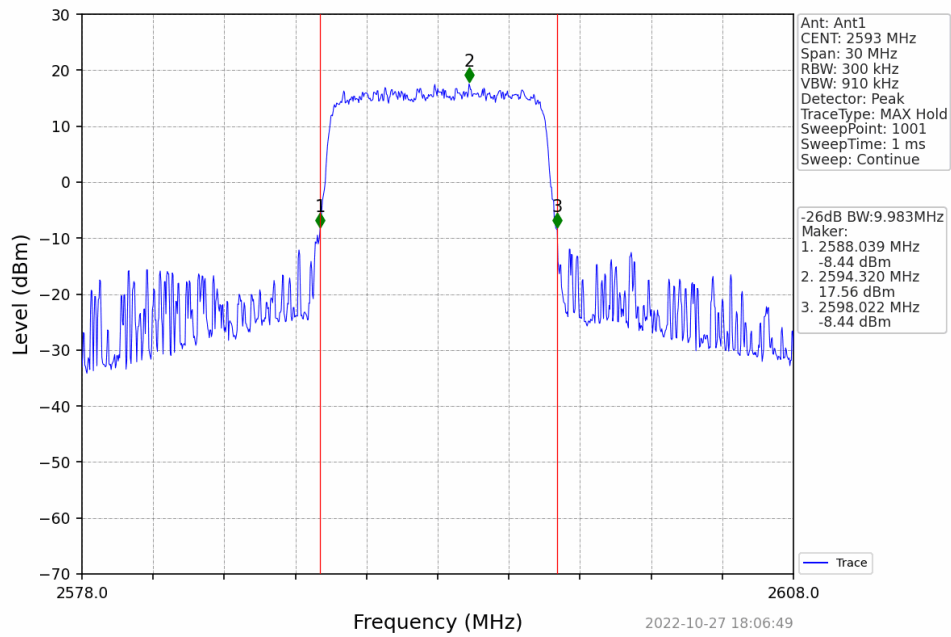


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

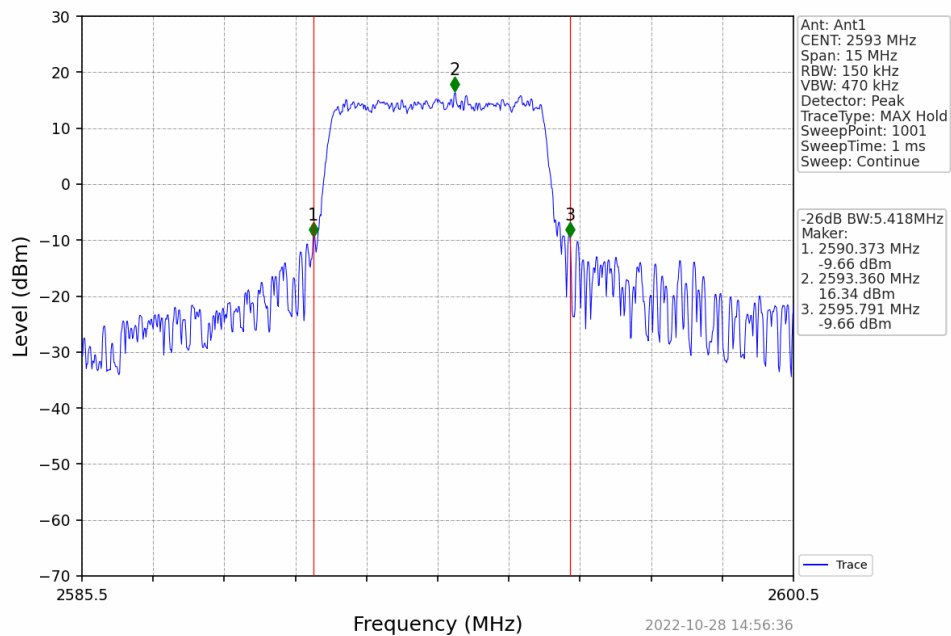




Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV

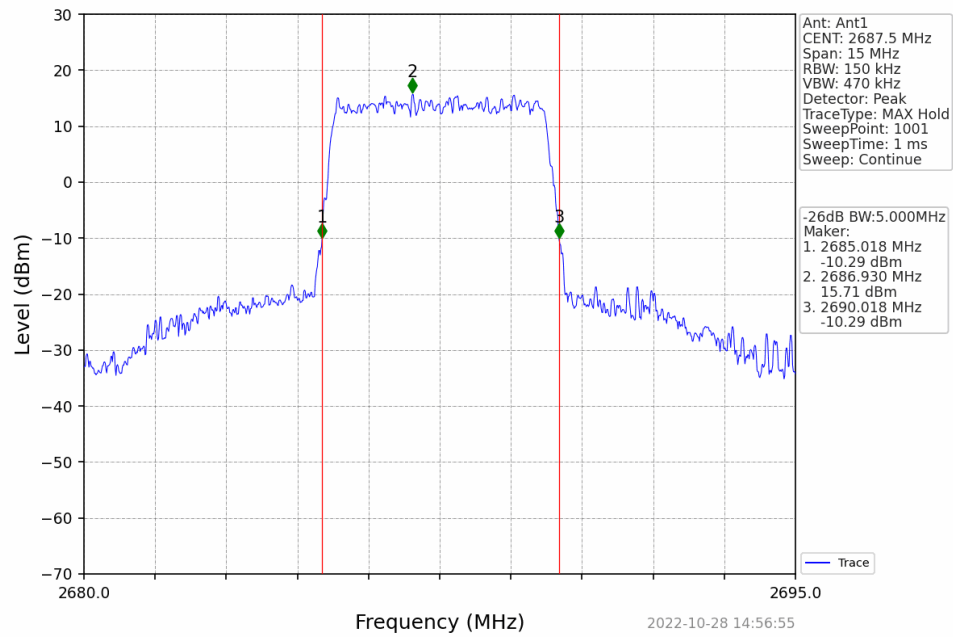


Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

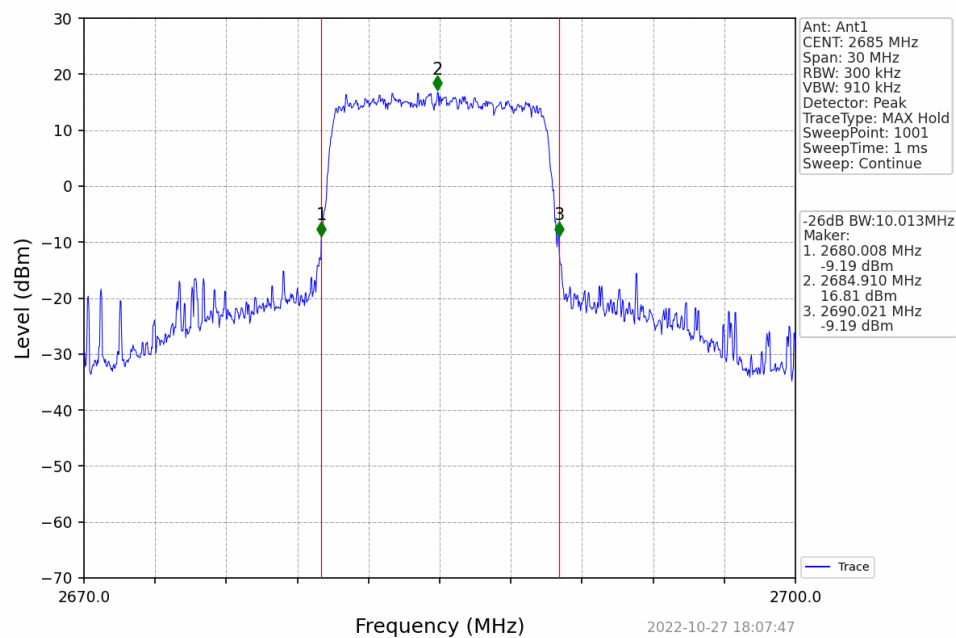




Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

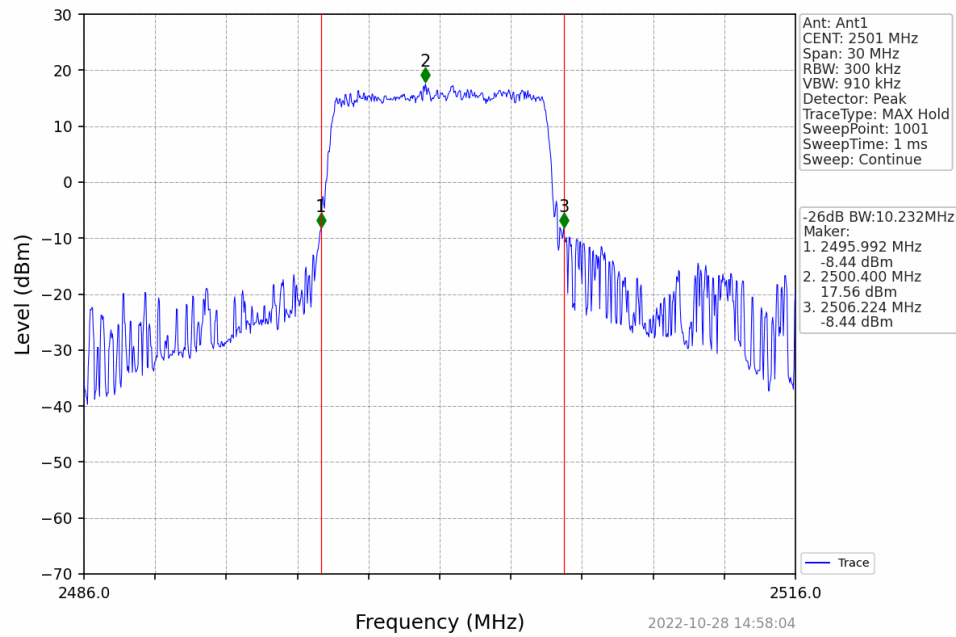


Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV

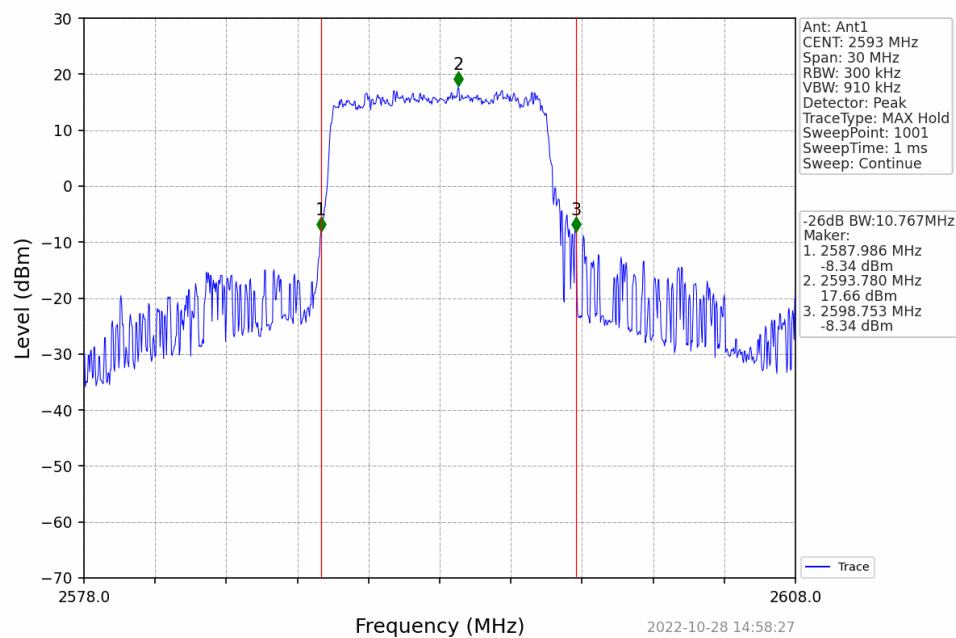




Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

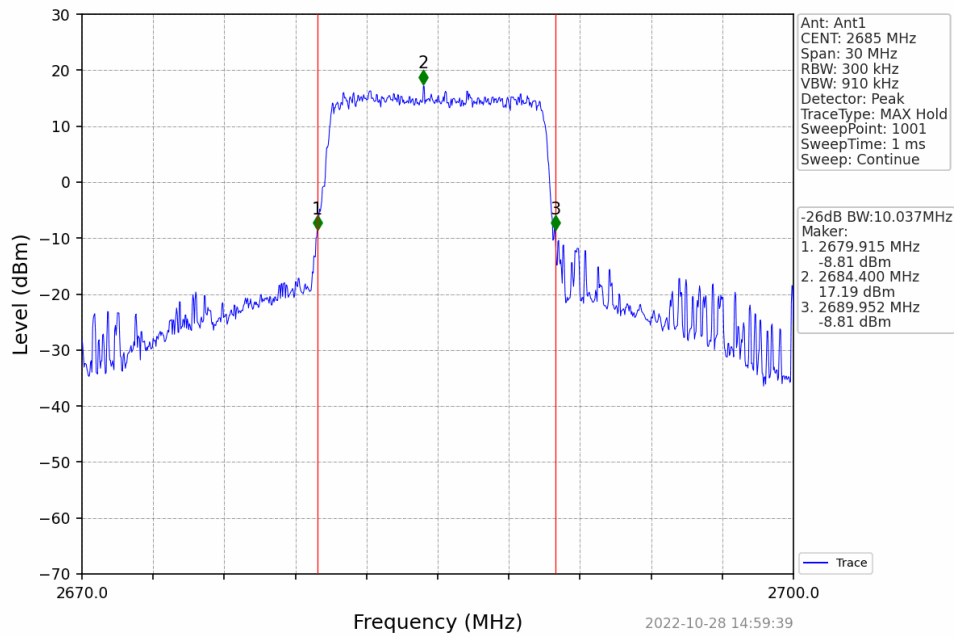


Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV

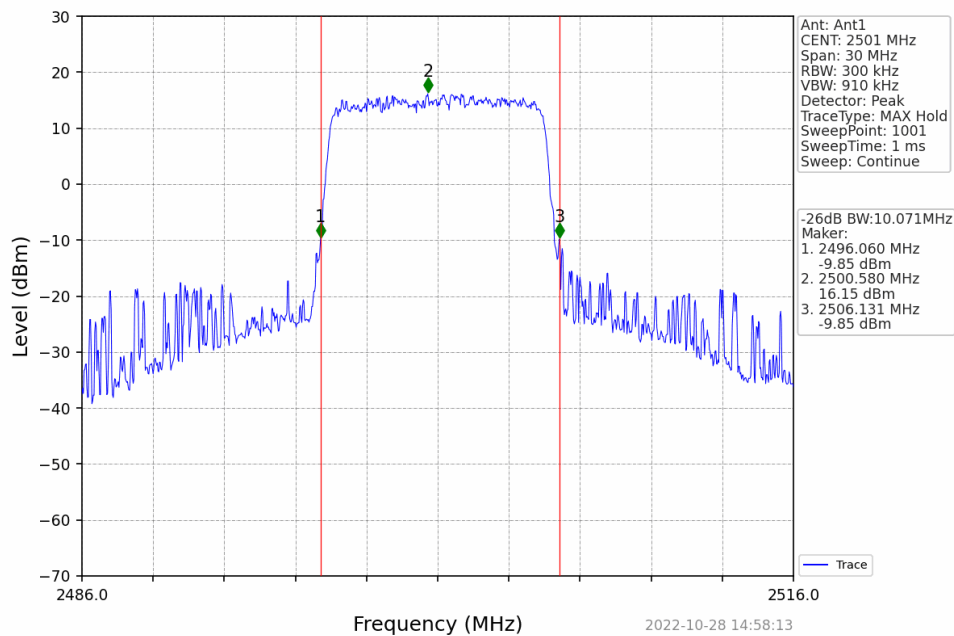




Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV

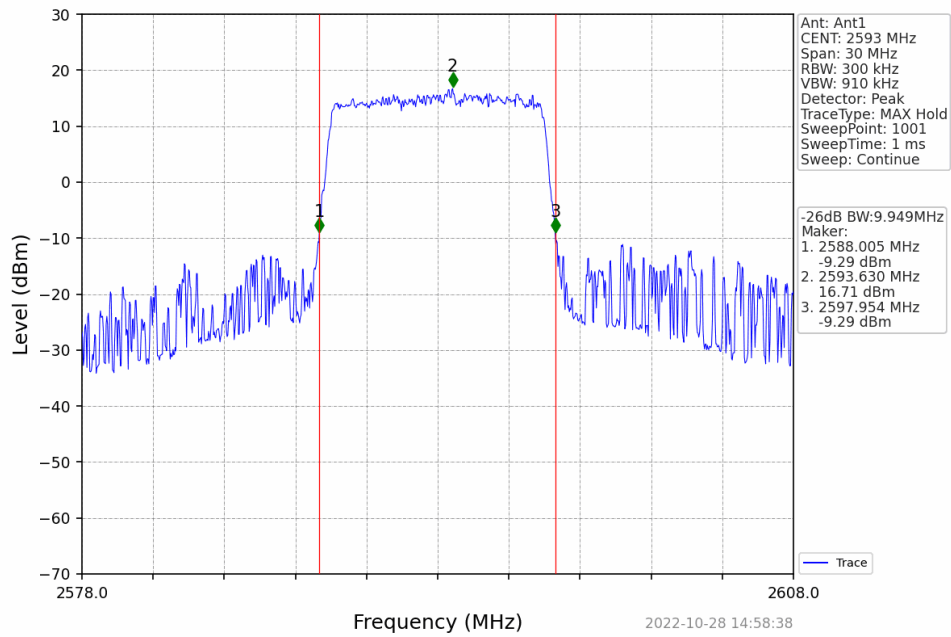


Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV

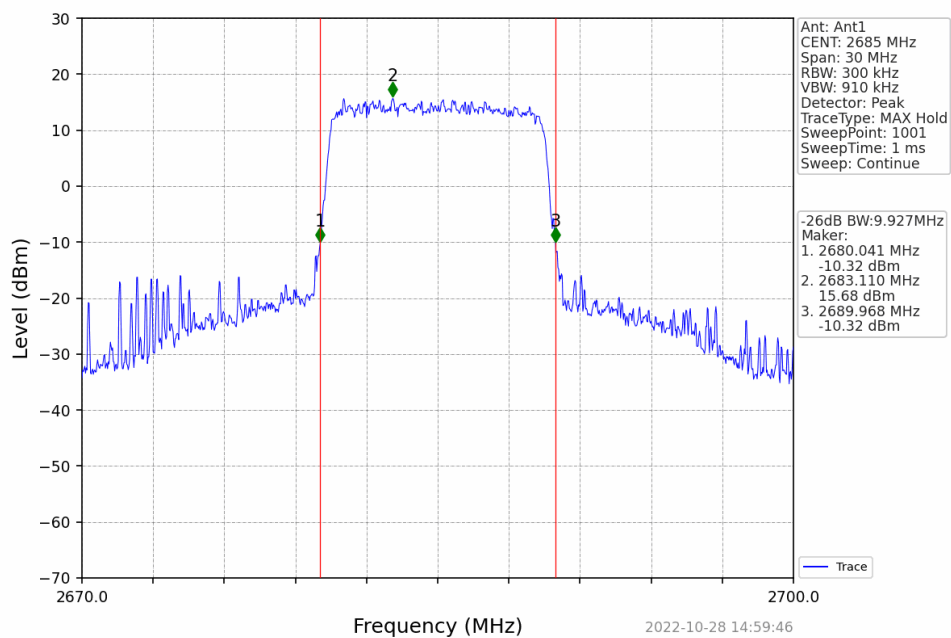




Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV

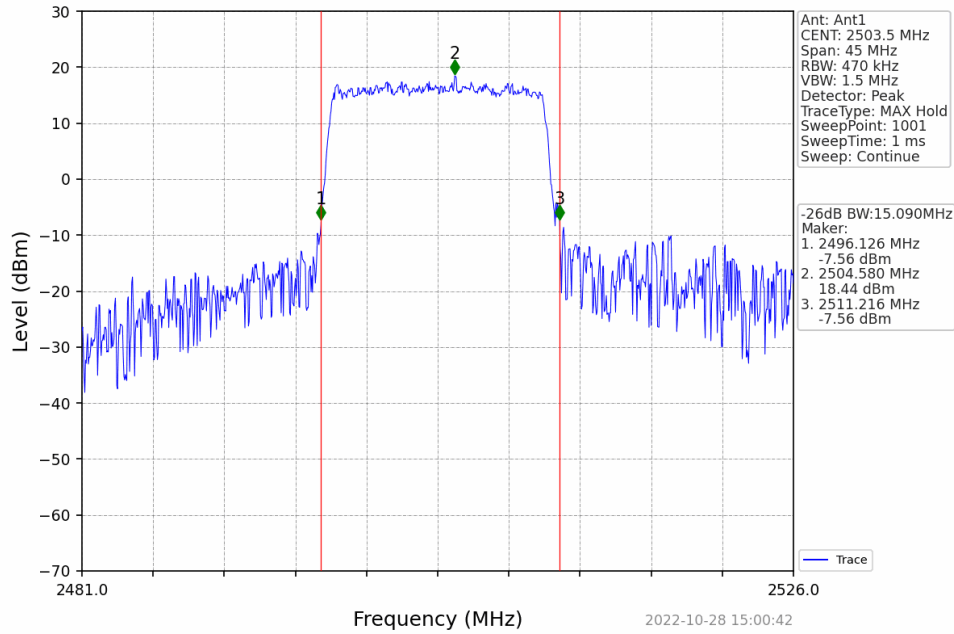


Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV

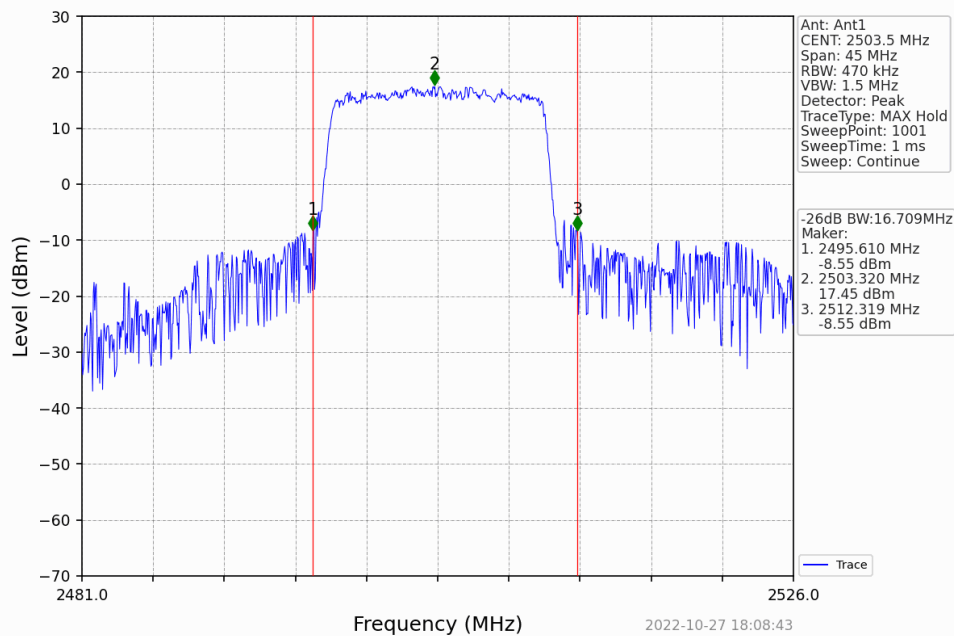




Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

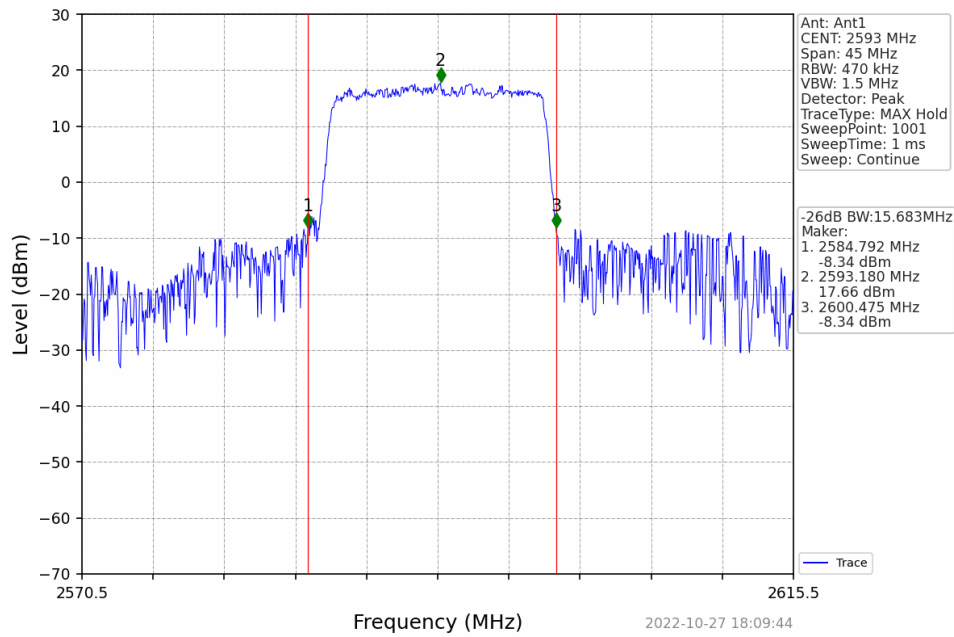


Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV





Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV

