

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	2557.5	1	0	22.62	0.36	22.98	<=33.01	Pass
			13	22.60	0.36	22.96	<=33.01	Pass
			24	22.67	0.36	23.03	<=33.01	Pass
		12	0	21.76	0.36	22.12	<=33.01	Pass
			6	21.58	0.36	21.94	<=33.01	Pass
			13	21.59	0.36	21.95	<=33.01	Pass
		25	0	21.67	0.36	22.03	<=33.01	Pass
	2605	1	0	23.71	0.36	24.07	<=33.01	Pass
			13	23.56	0.36	23.92	<=33.01	Pass
			24	23.54	0.36	23.90	<=33.01	Pass
		12	0	21.53	0.36	21.89	<=33.01	Pass
			6	21.64	0.36	22.00	<=33.01	Pass
			13	21.63	0.36	21.99	<=33.01	Pass
		25	0	21.50	0.36	21.86	<=33.01	Pass
	2652.5	1	0	22.99	0.36	23.35	<=33.01	Pass
			13	23.01	0.36	23.37	<=33.01	Pass
			24	23.05	0.36	23.41	<=33.01	Pass
		12	0	21.81	0.36	22.17	<=33.01	Pass
			6	21.90	0.36	22.26	<=33.01	Pass
			13	21.00	0.36	21.36	<=33.01	Pass
		25	0	21.87	0.36	22.23	<=33.01	Pass
16QAM	2557.5	1	0	23.06	0.36	23.42	<=33.01	Pass
			13	23.35	0.36	23.71	<=33.01	Pass
			24	23.15	0.36	23.51	<=33.01	Pass
		12	0	21.76	0.36	22.12	<=33.01	Pass
			6	21.65	0.36	22.01	<=33.01	Pass
			13	21.70	0.36	22.06	<=33.01	Pass
		25	0	21.81	0.36	22.17	<=33.01	Pass
	2605	1	0	22.19	0.36	22.55	<=33.01	Pass
			13	22.25	0.36	22.61	<=33.01	Pass
			24	22.35	0.36	22.71	<=33.01	Pass
		12	0	21.59	0.36	21.95	<=33.01	Pass
			6	21.55	0.36	21.91	<=33.01	Pass
			13	21.57	0.36	21.93	<=33.01	Pass
		25	0	21.68	0.36	22.04	<=33.01	Pass
	2652.5	1	0	22.53	0.36	22.89	<=33.01	Pass
			13	22.45	0.36	22.81	<=33.01	Pass
			24	22.48	0.36	22.84	<=33.01	Pass
		12	0	21.44	0.36	21.80	<=33.01	Pass
			6	21.46	0.36	21.82	<=33.01	Pass
			13	21.43	0.36	21.79	<=33.01	Pass
		25	0	21.40	0.36	21.76	<=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	2560	1	0	23.41	0.36	23.77	<=33.01	Pass
			25	23.41	0.36	23.77	<=33.01	Pass
			49	23.40	0.36	23.76	<=33.01	Pass
		25	0	22.34	0.36	22.70	<=33.01	Pass
			13	22.33	0.36	22.69	<=33.01	Pass
			25	22.31	0.36	22.67	<=33.01	Pass
		50	0	22.32	0.36	22.68	<=33.01	Pass
			0	23.31	0.36	23.67	<=33.01	Pass
			25	23.32	0.36	23.68	<=33.01	Pass
	2605	1	49	23.32	0.36	23.68	<=33.01	Pass
			0	22.27	0.36	22.63	<=33.01	Pass
			13	22.27	0.36	22.63	<=33.01	Pass
		25	25	22.27	0.36	22.63	<=33.01	Pass
			0	22.27	0.36	22.63	<=33.01	Pass
			0	22.27	0.36	22.63	<=33.01	Pass
		50	0	22.27	0.36	22.63	<=33.01	Pass
			0	23.36	0.36	23.72	<=33.01	Pass
			25	23.51	0.36	23.87	<=33.01	Pass
	2650	1	49	23.38	0.36	23.74	<=33.01	Pass
			0	22.41	0.36	22.77	<=33.01	Pass
			13	22.42	0.36	22.78	<=33.01	Pass
		25	25	22.44	0.36	22.80	<=33.01	Pass
			0	22.46	0.36	22.82	<=33.01	Pass
			0	22.46	0.36	22.82	<=33.01	Pass
		50	0	22.46	0.36	22.82	<=33.01	Pass
			0	22.46	0.36	22.82	<=33.01	Pass
			0	22.46	0.36	22.82	<=33.01	Pass
16QAM	2560	1	25	22.18	0.36	22.54	<=33.01	Pass
			49	22.34	0.36	22.70	<=33.01	Pass
			0	21.31	0.36	21.67	<=33.01	Pass
		25	13	21.34	0.36	21.70	<=33.01	Pass
			25	21.36	0.36	21.72	<=33.01	Pass
			0	21.31	0.36	21.67	<=33.01	Pass
		50	0	22.46	0.36	22.82	<=33.01	Pass
			25	22.21	0.36	22.57	<=33.01	Pass
			49	22.26	0.36	22.62	<=33.01	Pass
	2605	1	0	21.32	0.36	21.68	<=33.01	Pass
			13	21.29	0.36	21.65	<=33.01	Pass
			25	21.33	0.36	21.69	<=33.01	Pass
		25	0	21.30	0.36	21.66	<=33.01	Pass
			0	22.24	0.36	22.60	<=33.01	Pass
			25	22.27	0.36	22.63	<=33.01	Pass
		50	49	22.26	0.36	22.62	<=33.01	Pass
			0	21.43	0.36	21.79	<=33.01	Pass
			13	21.45	0.36	21.81	<=33.01	Pass
	2650	25	25	21.46	0.36	21.82	<=33.01	Pass
			0	21.43	0.36	21.79	<=33.01	Pass
			0	21.43	0.36	21.79	<=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	2562.5	1	0	23.37	0.36	23.73	<=33.01	Pass
			38	23.34	0.36	23.70	<=33.01	Pass
			74	23.27	0.36	23.63	<=33.01	Pass
		36	0	22.24	0.36	22.60	<=33.01	Pass
			18	22.27	0.36	22.63	<=33.01	Pass
			39	22.24	0.36	22.60	<=33.01	Pass
		75	0	22.26	0.36	22.62	<=33.01	Pass
	2605	1	0	23.13	0.36	23.49	<=33.01	Pass
			38	23.19	0.36	23.55	<=33.01	Pass
			74	23.13	0.36	23.49	<=33.01	Pass
		36	0	22.24	0.36	22.60	<=33.01	Pass
			18	22.22	0.36	22.58	<=33.01	Pass
			39	22.27	0.36	22.63	<=33.01	Pass
		75	0	22.28	0.36	22.64	<=33.01	Pass
	2647.5	1	0	23.28	0.36	23.64	<=33.01	Pass
			38	23.46	0.36	23.82	<=33.01	Pass
			74	23.30	0.36	23.66	<=33.01	Pass
		36	0	22.35	0.36	22.71	<=33.01	Pass
			18	22.37	0.36	22.73	<=33.01	Pass
			39	22.34	0.36	22.70	<=33.01	Pass
		75	0	22.41	0.36	22.77	<=33.01	Pass
16QAM	2562.5	1	0	22.10	0.36	22.46	<=33.01	Pass
			38	22.42	0.36	22.78	<=33.01	Pass
			74	22.06	0.36	22.42	<=33.01	Pass
		36	0	21.24	0.36	21.60	<=33.01	Pass
			18	21.25	0.36	21.61	<=33.01	Pass
			39	21.26	0.36	21.62	<=33.01	Pass
		75	0	21.28	0.36	21.64	<=33.01	Pass
	2605	1	0	22.23	0.36	22.59	<=33.01	Pass
			38	22.19	0.36	22.55	<=33.01	Pass
			74	22.29	0.36	22.65	<=33.01	Pass
		36	0	21.23	0.36	21.59	<=33.01	Pass
			18	21.22	0.36	21.58	<=33.01	Pass
			39	21.26	0.36	21.62	<=33.01	Pass
		75	0	21.25	0.36	21.61	<=33.01	Pass
	2647.5	1	0	22.11	0.36	22.47	<=33.01	Pass
			38	22.25	0.36	22.61	<=33.01	Pass
			74	22.22	0.36	22.58	<=33.01	Pass
		36	0	21.38	0.36	21.74	<=33.01	Pass
			18	21.34	0.36	21.70	<=33.01	Pass
			39	21.33	0.36	21.69	<=33.01	Pass
		75	0	21.35	0.36	21.71	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2565	1	0	23.27	0.36	23.63	<=33.01	Pass
			50	23.32	0.36	23.68	<=33.01	Pass
			99	23.28	0.36	23.64	<=33.01	Pass
		50	0	22.29	0.36	22.65	<=33.01	Pass
			25	22.29	0.36	22.65	<=33.01	Pass
			50	22.24	0.36	22.60	<=33.01	Pass
		100	0	22.26	0.36	22.62	<=33.01	Pass
	2605	1	0	23.04	0.36	23.40	<=33.01	Pass
			50	23.34	0.36	23.70	<=33.01	Pass
			99	23.17	0.36	23.53	<=33.01	Pass
		50	0	22.27	0.36	22.63	<=33.01	Pass
			25	22.31	0.36	22.67	<=33.01	Pass
			50	22.27	0.36	22.63	<=33.01	Pass
		100	0	22.25	0.36	22.61	<=33.01	Pass
	2645	1	0	23.29	0.36	23.65	<=33.01	Pass
			50	23.32	0.36	23.68	<=33.01	Pass
			99	23.23	0.36	23.59	<=33.01	Pass
		50	0	22.35	0.36	22.71	<=33.01	Pass
			25	22.40	0.36	22.76	<=33.01	Pass
			50	22.43	0.36	22.79	<=33.01	Pass
		100	0	22.35	0.36	22.71	<=33.01	Pass
16QAM	2565	1	0	22.48	0.36	22.84	<=33.01	Pass
			50	22.28	0.36	22.64	<=33.01	Pass
			99	22.24	0.36	22.60	<=33.01	Pass
		50	0	21.25	0.36	21.61	<=33.01	Pass
			25	21.27	0.36	21.63	<=33.01	Pass
			50	21.22	0.36	21.58	<=33.01	Pass
		100	0	21.23	0.36	21.59	<=33.01	Pass
	2605	1	0	22.31	0.36	22.67	<=33.01	Pass
			50	22.45	0.36	22.81	<=33.01	Pass
			99	22.28	0.36	22.64	<=33.01	Pass
		50	0	21.21	0.36	21.57	<=33.01	Pass
			25	21.27	0.36	21.63	<=33.01	Pass
			50	21.26	0.36	21.62	<=33.01	Pass
		100	0	21.21	0.36	21.57	<=33.01	Pass
	2645	1	0	21.94	0.36	22.30	<=33.01	Pass
			50	22.08	0.36	22.44	<=33.01	Pass
			99	22.45	0.36	22.81	<=33.01	Pass
		50	0	21.33	0.36	21.69	<=33.01	Pass
			25	21.38	0.36	21.74	<=33.01	Pass
			50	21.34	0.36	21.70	<=33.01	Pass
		100	0	21.38	0.36	21.74	<=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	2557.5	25	0	20	3.27	-8.140	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.478	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.974	0.0008	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	5.350	0.0021	-2.5 to 2.5	Pass
					3.85	9.871	0.0038	-2.5 to 2.5	Pass
					4.43	5.293	0.0020	-2.5 to 2.5	Pass
				-30	3.85	4.563	0.0018	-2.5 to 2.5	Pass
				-20	3.85	2.418	0.0009	-2.5 to 2.5	Pass
				-10	3.85	6.609	0.0025	-2.5 to 2.5	Pass
				0	3.85	7.567	0.0029	-2.5 to 2.5	Pass
				10	3.85	7.524	0.0029	-2.5 to 2.5	Pass
				30	3.85	11.044	0.0042	-2.5 to 2.5	Pass
				40	3.85	10.757	0.0041	-2.5 to 2.5	Pass
				50	3.85	15.392	0.0059	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	7.524	0.0028	-2.5 to 2.5	Pass
					3.85	2.503	0.0009	-2.5 to 2.5	Pass
					4.43	2.747	0.0010	-2.5 to 2.5	Pass
				-30	3.85	4.220	0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0012	-2.5 to 2.5	Pass
				-10	3.85	10.872	0.0041	-2.5 to 2.5	Pass
				0	3.85	12.889	0.0049	-2.5 to 2.5	Pass
				10	3.85	12.474	0.0047	-2.5 to 2.5	Pass
				30	3.85	16.508	0.0062	-2.5 to 2.5	Pass
				40	3.85	11.015	0.0042	-2.5 to 2.5	Pass
				50	3.85	17.395	0.0066	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-4.320	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
					4.43	5.150	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	4.163	0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	7.353	0.0028	-2.5 to 2.5	Pass
					3.85	13.947	0.0054	-2.5 to 2.5	Pass
					4.43	7.710	0.0030	-2.5 to 2.5	Pass
				-30	3.85	5.579	0.0021	-2.5 to 2.5	Pass
				-20	3.85	10.543	0.0040	-2.5 to 2.5	Pass
				-10	3.85	7.238	0.0028	-2.5 to 2.5	Pass

				0	3.85	24.462	0.0094	-2.5 to 2.5	Pass
				10	3.85	18.668	0.0072	-2.5 to 2.5	Pass
				30	3.85	23.489	0.0090	-2.5 to 2.5	Pass
				40	3.85	16.479	0.0063	-2.5 to 2.5	Pass
				50	3.85	22.001	0.0084	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	16.494	0.0062	-2.5 to 2.5	Pass
					3.85	14.920	0.0056	-2.5 to 2.5	Pass
					4.43	14.119	0.0053	-2.5 to 2.5	Pass
				-30	3.85	18.039	0.0068	-2.5 to 2.5	Pass
				-20	3.85	19.069	0.0072	-2.5 to 2.5	Pass
				-10	3.85	13.833	0.0052	-2.5 to 2.5	Pass
				0	3.85	14.319	0.0054	-2.5 to 2.5	Pass
				10	3.85	12.631	0.0048	-2.5 to 2.5	Pass
				30	3.85	12.746	0.0048	-2.5 to 2.5	Pass
				40	3.85	15.578	0.0059	-2.5 to 2.5	Pass
				50	3.85	7.467	0.0028	-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	2560	50	0	20	3.27	1.688	0.0007	-2.5 to 2.5	Pass
					3.85	0.072	0.0000	-2.5 to 2.5	Pass
					4.43	1.016	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				0	3.85	3.948	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	4.091	0.0016	-2.5 to 2.5	Pass
					3.85	3.047	0.0012	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	5.922	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
				50	3.85	2.761	0.0011	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	0.887	0.0003	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.875	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.933	0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.133	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0019	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	2.217	0.0009	-2.5 to 2.5	Pass
					3.85	0.587	0.0002	-2.5 to 2.5	Pass
					4.43	1.645	0.0006	-2.5 to 2.5	Pass

				-30	3.85	2.875	0.0011	-2.5 to 2.5	Pass
				-20	3.85	4.449	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				10	3.85	4.406	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.974	0.0008	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	4.063	0.0016	-2.5 to 2.5	Pass
					3.85	3.891	0.0015	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.648	0.0014	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				50	3.85	3.662	0.0014	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-0.658	-0.0002	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.775	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				10	3.85	2.990	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.488	-0.0006	-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	2562.5	75	0	20	3.27	2.832	0.0011	-2.5 to 2.5	Pass
					3.85	3.934	0.0015	-2.5 to 2.5	Pass
					4.43	1.316	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.918	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	4.764	0.0019	-2.5 to 2.5	Pass
				0	3.85	2.732	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.419	0.0013	-2.5 to 2.5	Pass
				30	3.85	4.420	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				50	3.85	4.435	0.0017	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	2.003	0.0008	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
					4.43	5.994	0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.665	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0009	-2.5 to 2.5	Pass
				-10	3.85	3.133	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.104	0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				40	3.85	4.435	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.918	0.0011	-2.5 to 2.5	Pass

	2647.5	75	0	20	3.27	-1.631	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0004	-2.5 to 2.5	Pass
					4.43	0.658	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.303	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.346	0.0009	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	4.449	0.0017	-2.5 to 2.5	Pass
					3.85	4.492	0.0018	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.432	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0007	-2.5 to 2.5	Pass
				-10	3.85	3.562	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				10	3.85	4.835	0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.689	0.0010	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	2.947	0.0011	-2.5 to 2.5	Pass
					3.85	-0.114	0.0000	-2.5 to 2.5	Pass
					4.43	2.961	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.649	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.346	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				40	3.85	3.562	0.0014	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0010	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	0.601	0.0002	-2.5 to 2.5	Pass
					3.85	1.473	0.0006	-2.5 to 2.5	Pass
					4.43	3.247	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.303	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				0	3.85	4.134	0.0016	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0009	-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	2565	100	0	20	3.27	3.119	0.0012	-2.5 to 2.5	Pass
					3.85	3.834	0.0015	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.303	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.259	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass
				0	3.85	2.890	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.390	0.0013	-2.5 to 2.5	Pass

				30	3.85	2.632	0.0010	-2.5 to 2.5	Pass
				40	3.85	5.164	0.0020	-2.5 to 2.5	Pass
				50	3.85	6.437	0.0025	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
					4.43	2.589	0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				-20	3.85	4.921	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.831	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.345	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
				40	3.85	3.133	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.017	0.0008	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	0.172	0.0001	-2.5 to 2.5	Pass
					3.85	1.345	0.0005	-2.5 to 2.5	Pass
					4.43	4.120	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
				0	3.85	2.804	0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				40	3.85	4.077	0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.189	-0.0008	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	1.960	0.0008	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
					4.43	5.150	0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.074	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.375	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0010	-2.5 to 2.5	Pass
				10	3.85	4.964	0.0019	-2.5 to 2.5	Pass
				30	3.85	5.665	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				50	3.85	5.450	0.0021	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-0.272	-0.0001	-2.5 to 2.5	Pass
					3.85	5.536	0.0021	-2.5 to 2.5	Pass
					4.43	2.604	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.303	0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.390	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.961	0.0011	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				30	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				40	3.85	3.161	0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	2.503	0.0009	-2.5 to 2.5	Pass
					3.85	-0.057	0.0000	-2.5 to 2.5	Pass
					4.43	2.017	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.317	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.545	0.0006	-2.5 to 2.5	Pass
				0	3.85	4.478	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.003	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.901	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.159	0.0004	-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	2605	25	0	Refer To Test Graph		Pass
16QAM	2605	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	2605	50	0	Refer To Test Graph		Pass
16QAM	2605	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

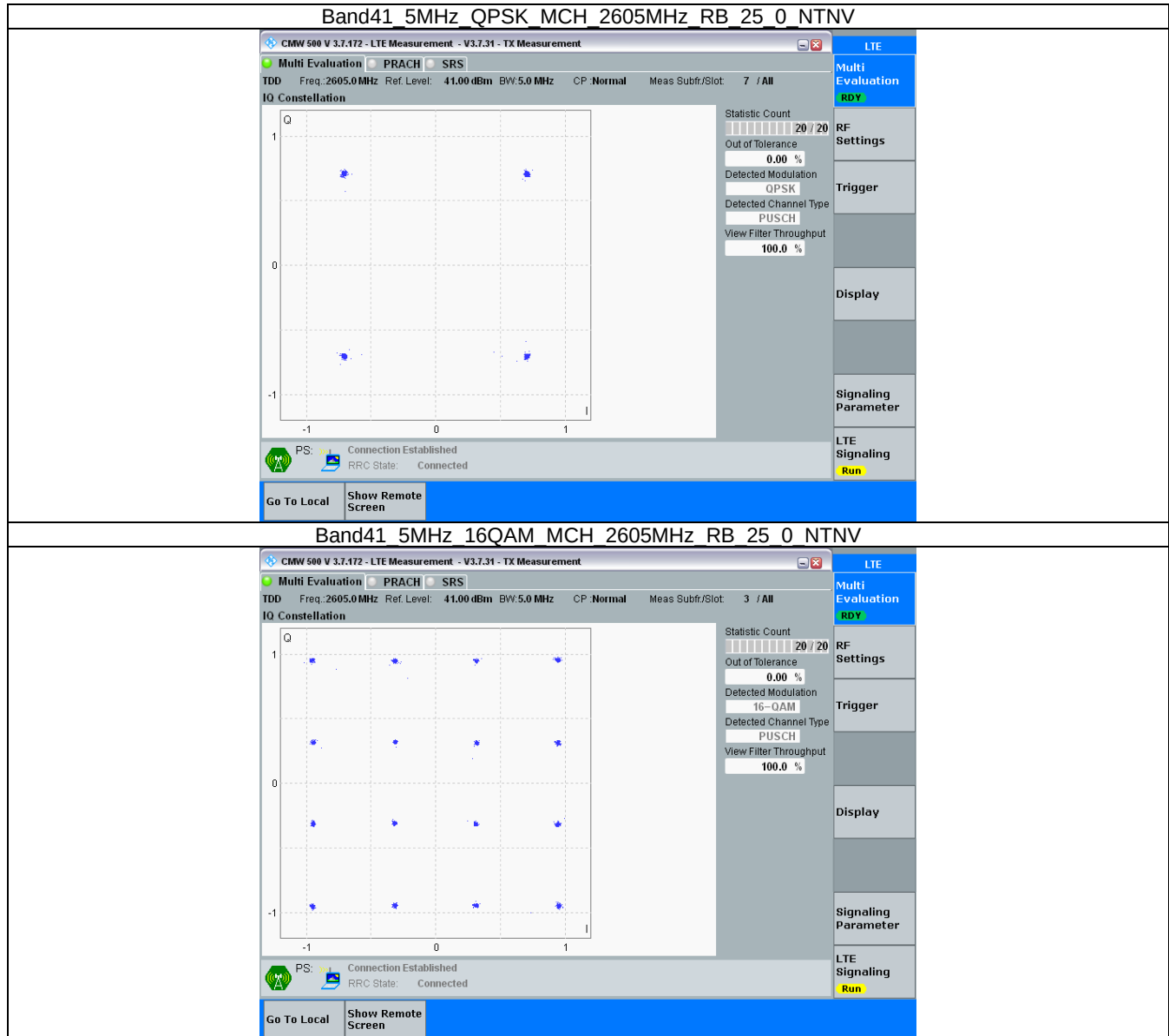
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

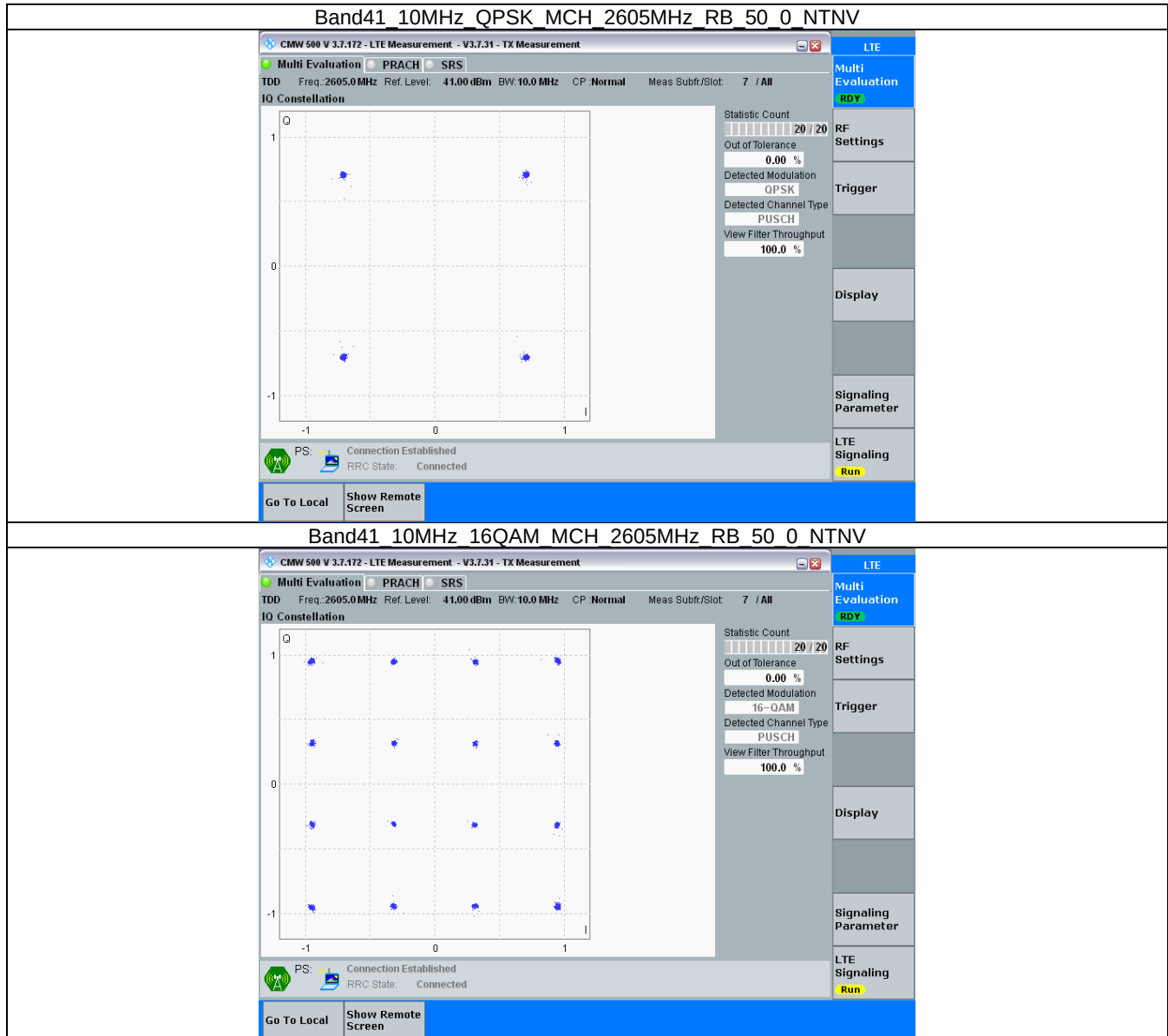
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

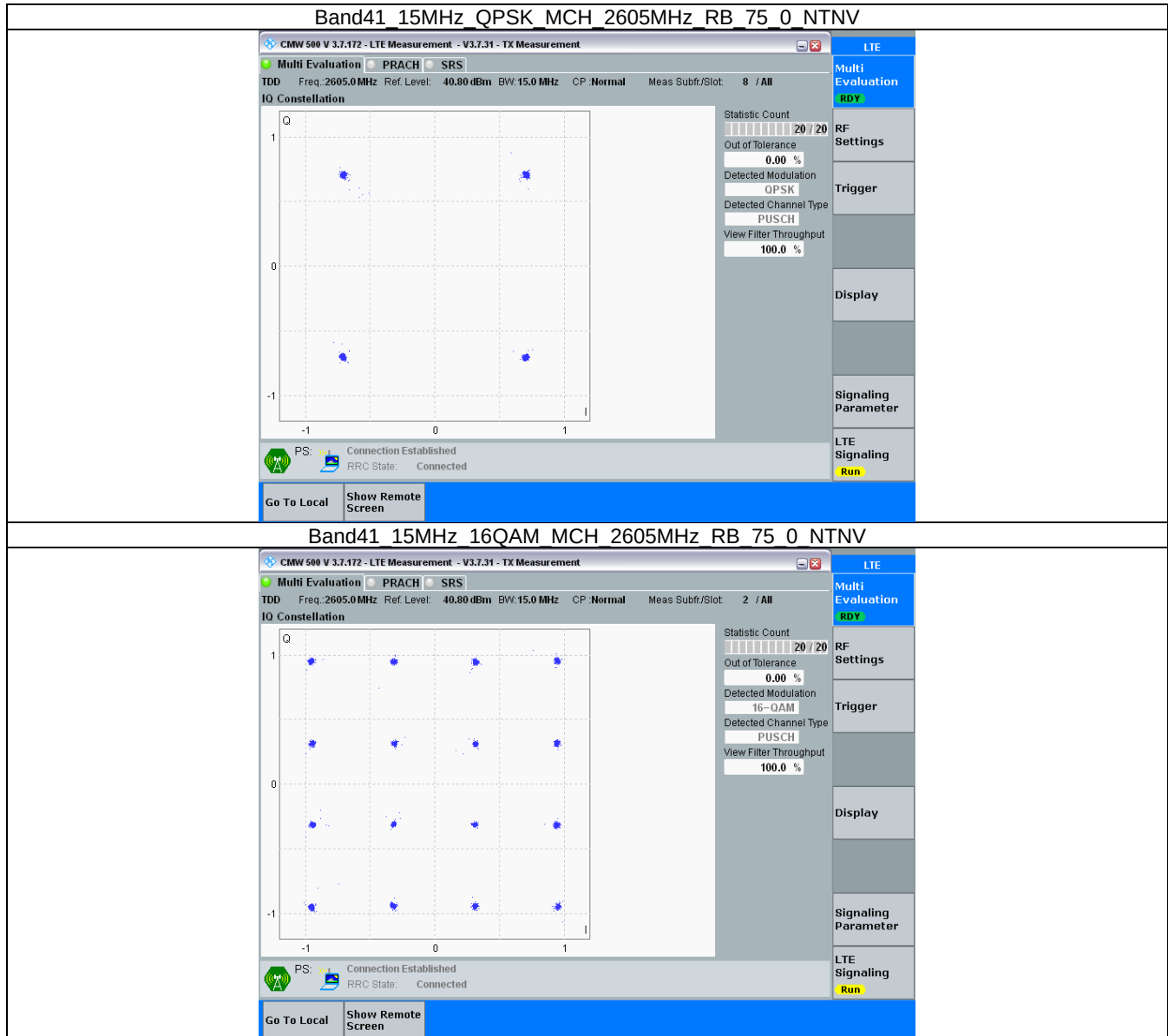
3.2.1 B41_5MHz



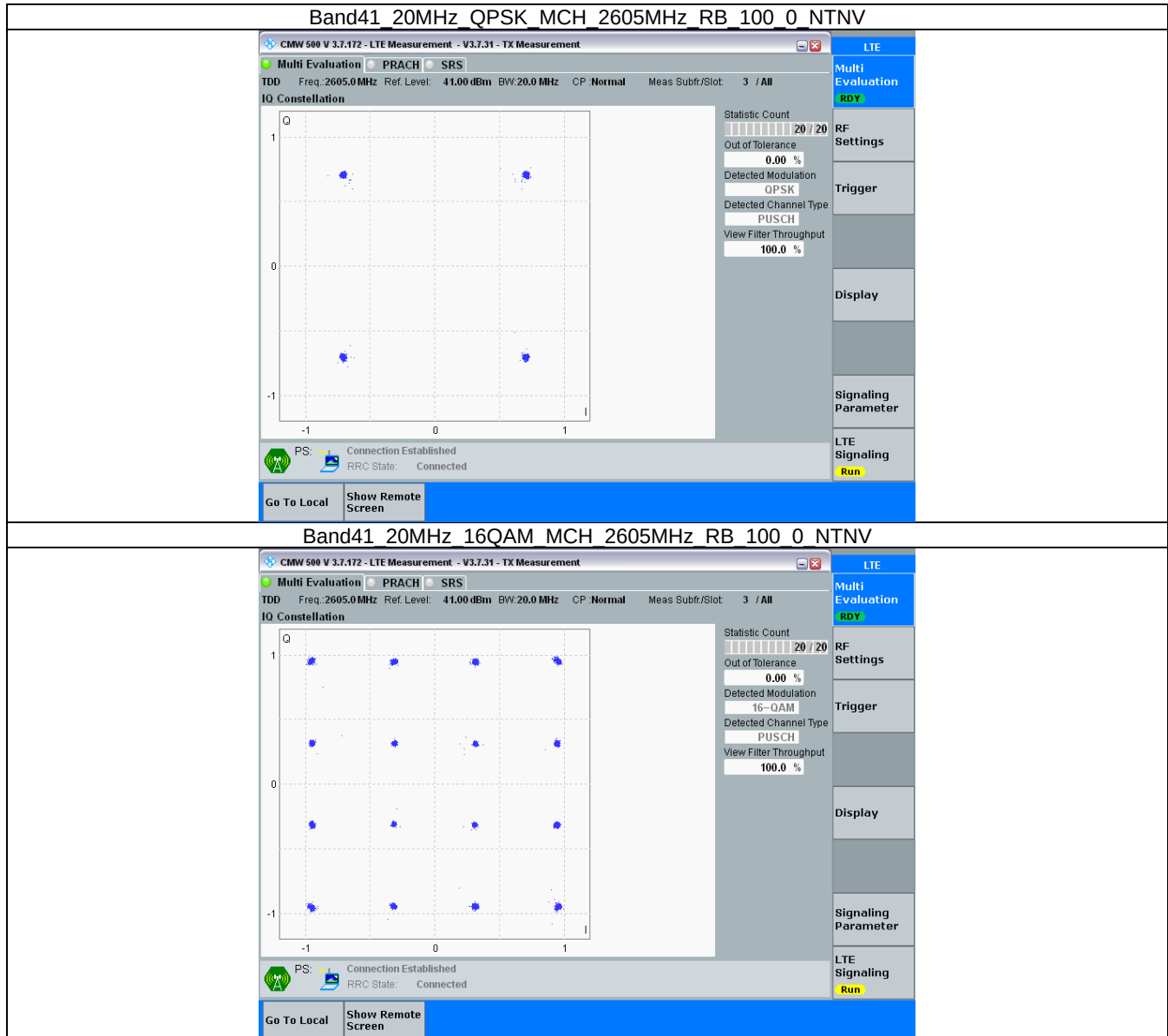
3.2.2 B41_10MHz



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	2557.5	25	0	4.556	/	Pass
		2605	25	0	4.562	/	Pass
		2652.5	25	0	4.570	/	Pass
	16QAM	2557.5	25	0	4.541	/	Pass
		2605	25	0	4.545	/	Pass
		2652.5	25	0	4.577	/	Pass
10	QPSK	2560	50	0	9.072	/	Pass
		2605	50	0	9.071	/	Pass
		2650	50	0	9.070	/	Pass
	16QAM	2560	50	0	9.044	/	Pass
		2605	50	0	9.066	/	Pass
		2650	50	0	9.082	/	Pass
15	QPSK	2562.5	75	0	13.610	/	Pass
		2605	75	0	13.543	/	Pass
		2647.5	75	0	13.579	/	Pass
	16QAM	2562.5	75	0	13.604	/	Pass
		2605	75	0	13.609	/	Pass
		2647.5	75	0	13.611	/	Pass
20	QPSK	2565	100	0	18.073	/	Pass
		2605	100	0	18.105	/	Pass
		2645	100	0	18.083	/	Pass
	16QAM	2565	100	0	18.095	/	Pass
		2605	100	0	18.111	/	Pass
		2645	100	0	18.129	/	Pass

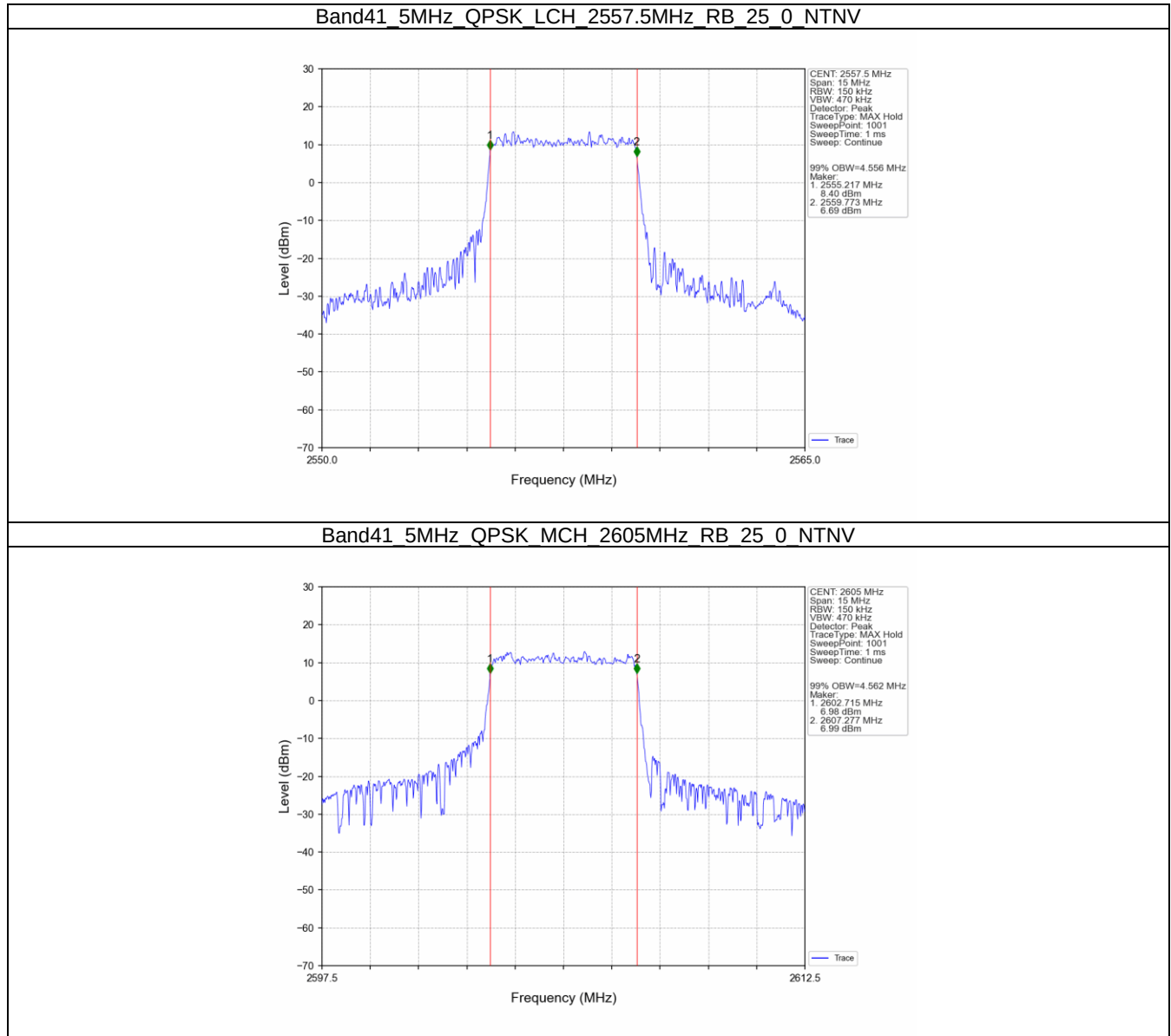
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.167	/	Pass
		2605	25	0	5.543	/	Pass
		2652.5	25	0	5.802	/	Pass
	16QAM	2557.5	25	0	5.084	/	Pass
		2605	25	0	5.143	/	Pass
		2652.5	25	0	5.081	/	Pass
10	QPSK	2560	50	0	11.372	/	Pass
		2605	50	0	10.793	/	Pass
		2650	50	0	10.464	/	Pass
	16QAM	2560	50	0	11.116	/	Pass
		2605	50	0	9.910	/	Pass
		2650	50	0	13.364	/	Pass
15	QPSK	2562.5	75	0	15.510	/	Pass
		2605	75	0	15.148	/	Pass
		2647.5	75	0	14.837	/	Pass

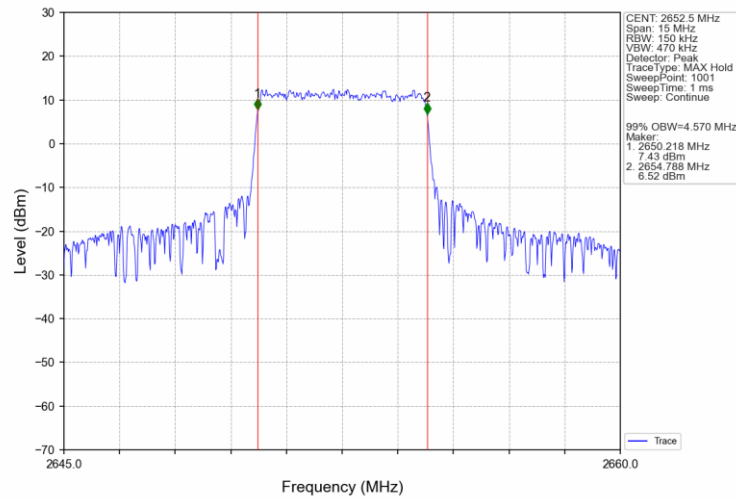
20	16QAM	2562.5	75	0	15.433	/	Pass
		2605	75	0	17.352	/	Pass
		2647.5	75	0	15.663	/	Pass
	QPSK	2565	100	0	21.012	/	Pass
		2605	100	0	20.555	/	Pass
		2645	100	0	21.053	/	Pass
	16QAM	2565	100	0	20.438	/	Pass
		2605	100	0	19.722	/	Pass
		2645	100	0	22.477	/	Pass

4.2 Test Graph

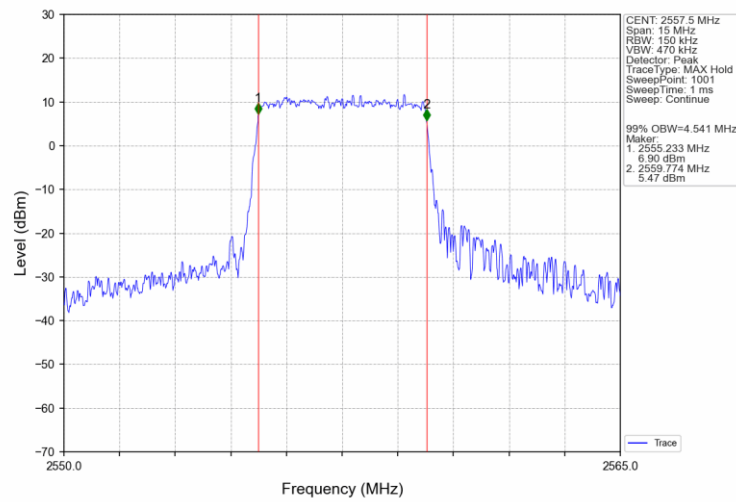
4.2.1 Band41_OBW



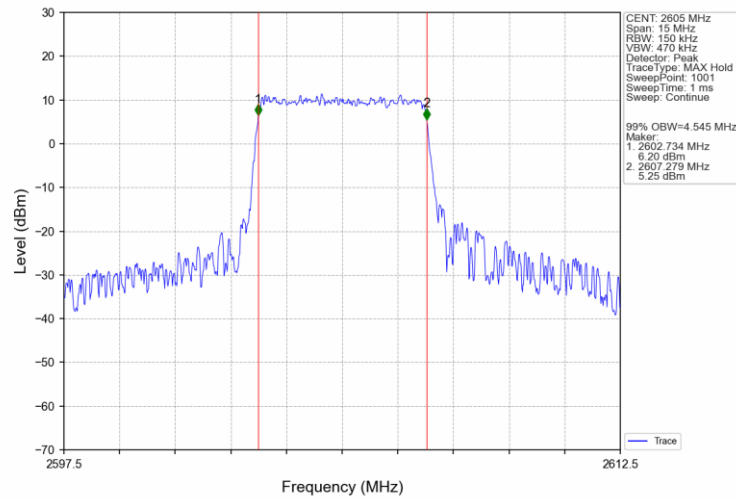
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



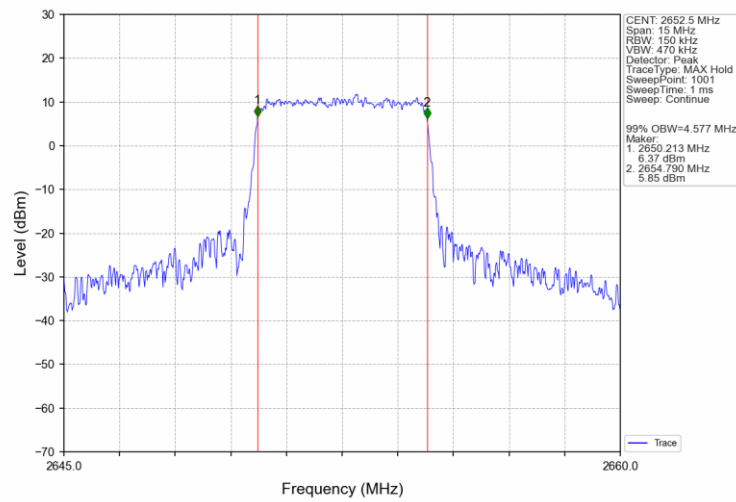
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



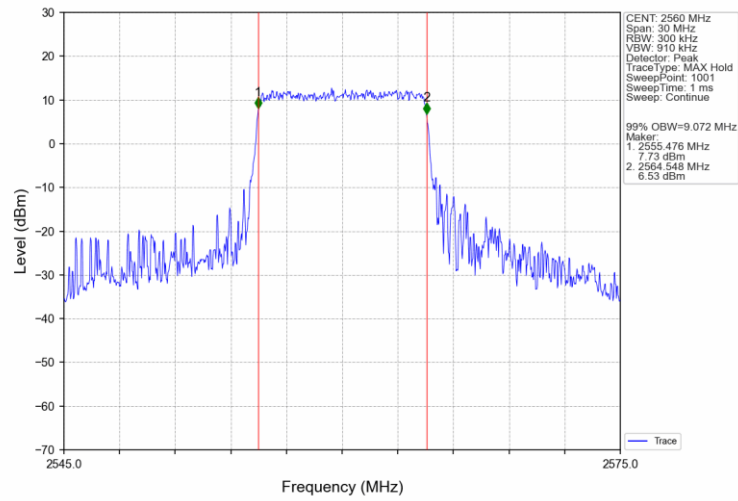
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



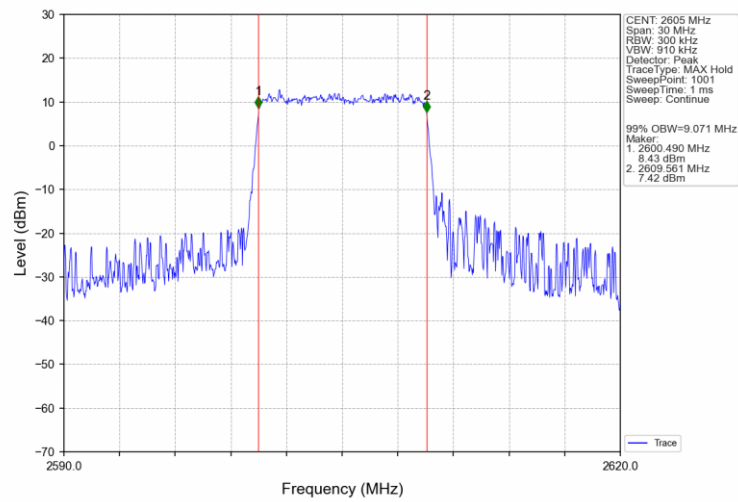
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



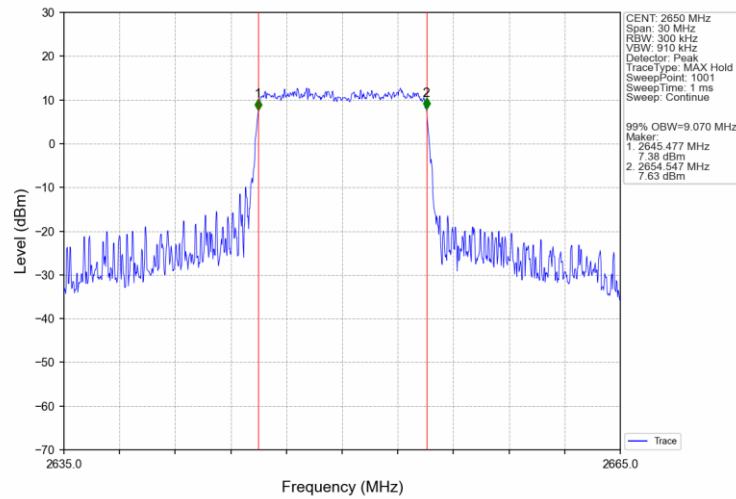
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



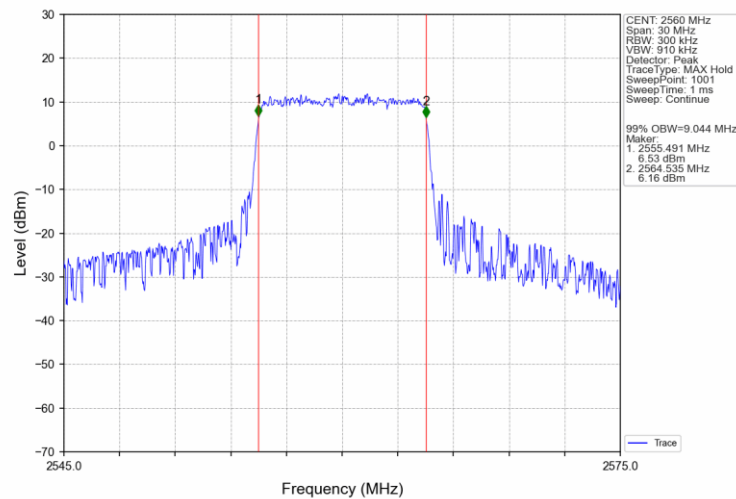
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



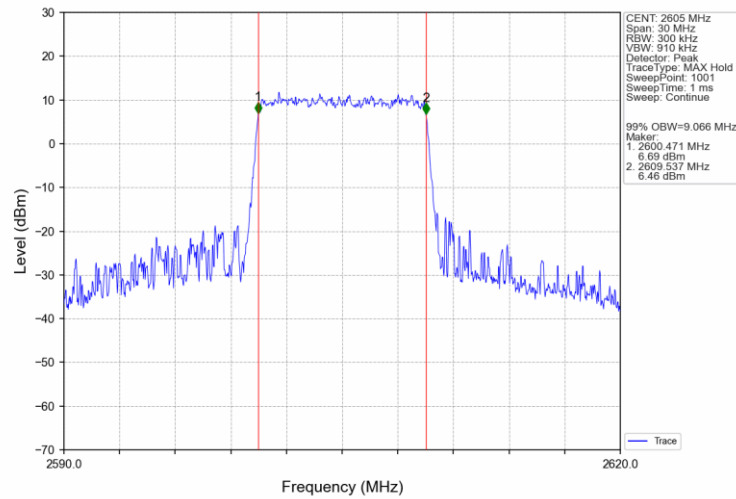
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



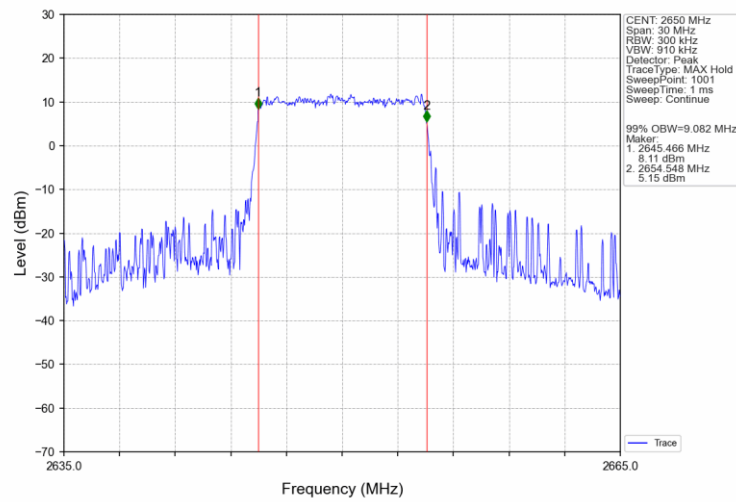
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



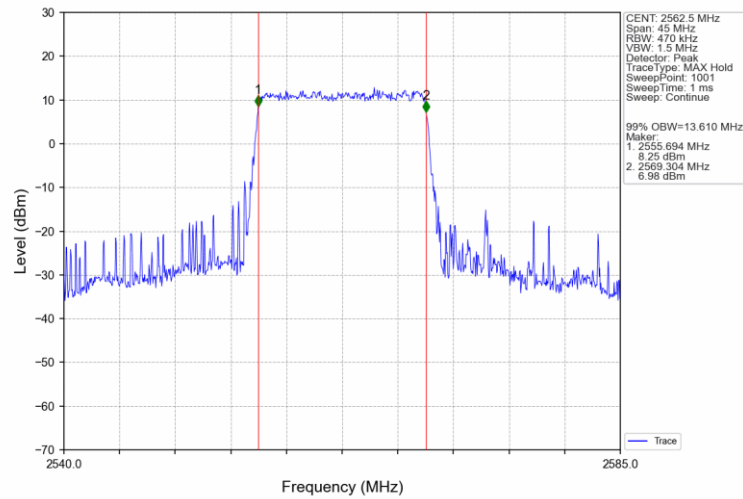
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



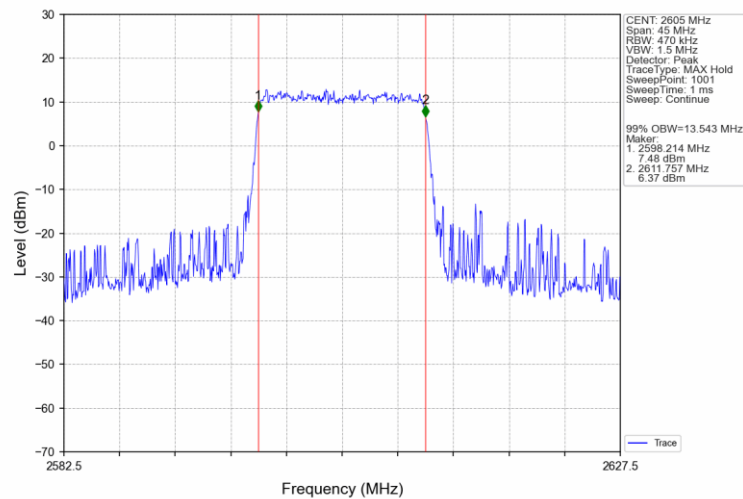
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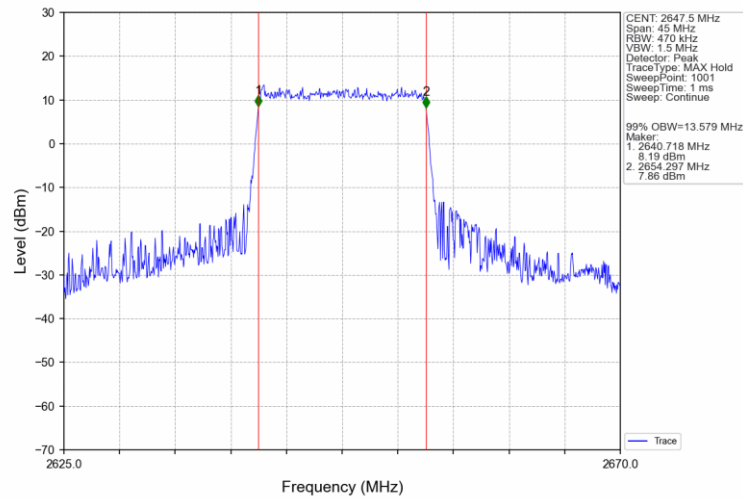
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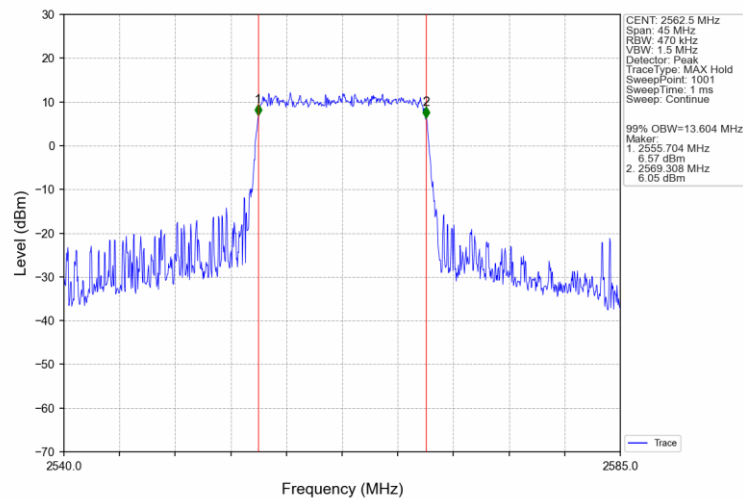
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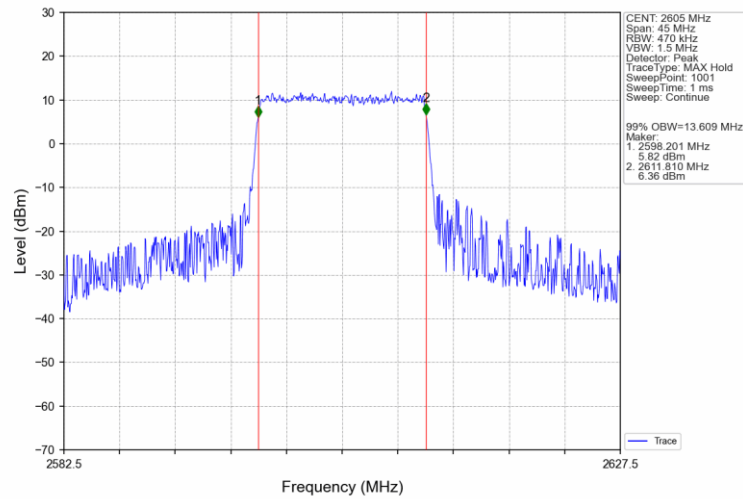
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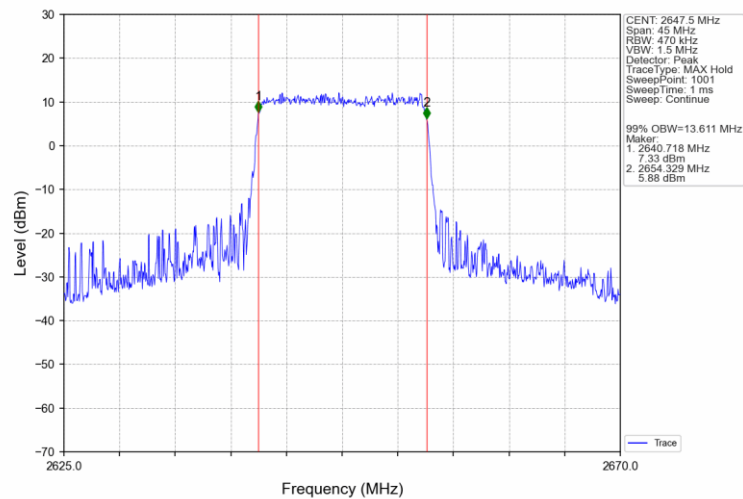
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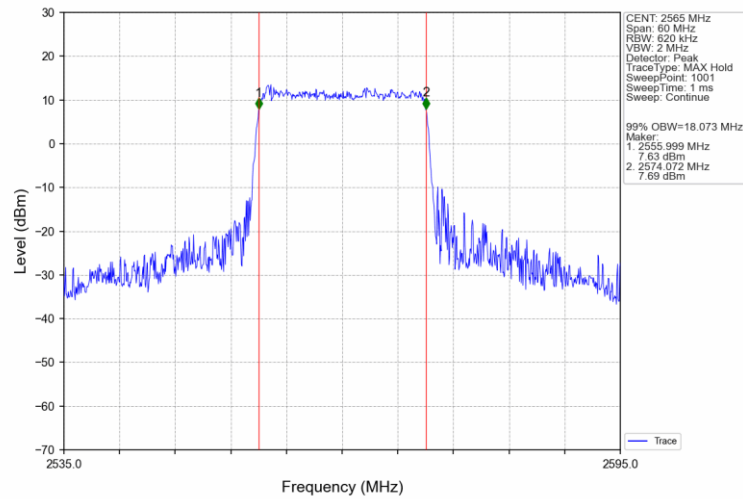
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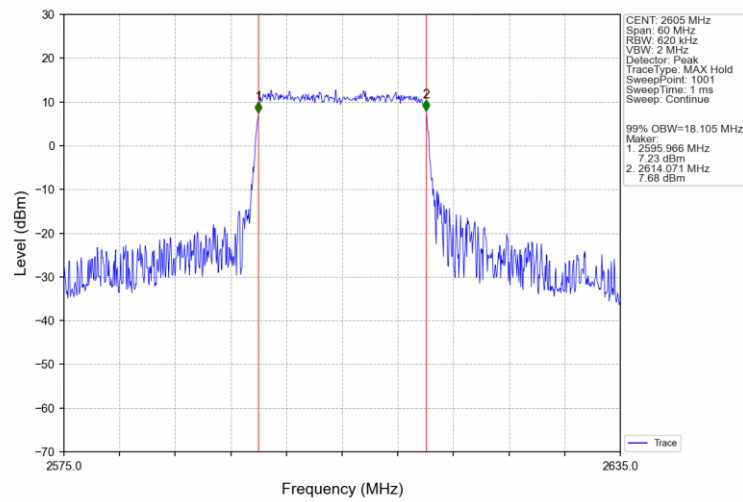
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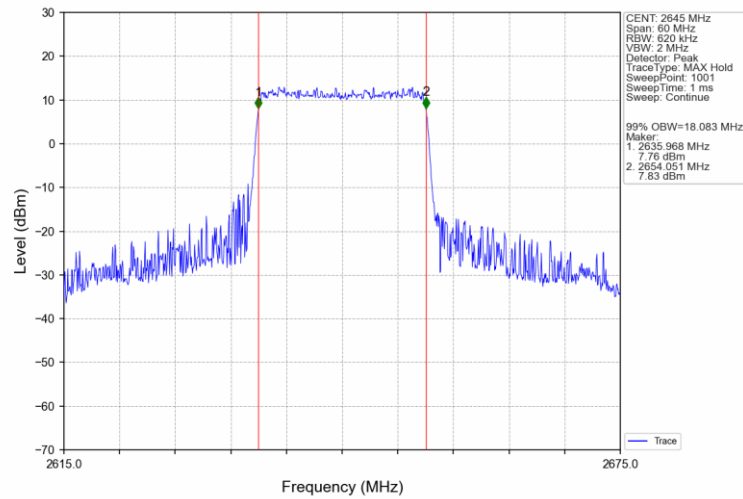
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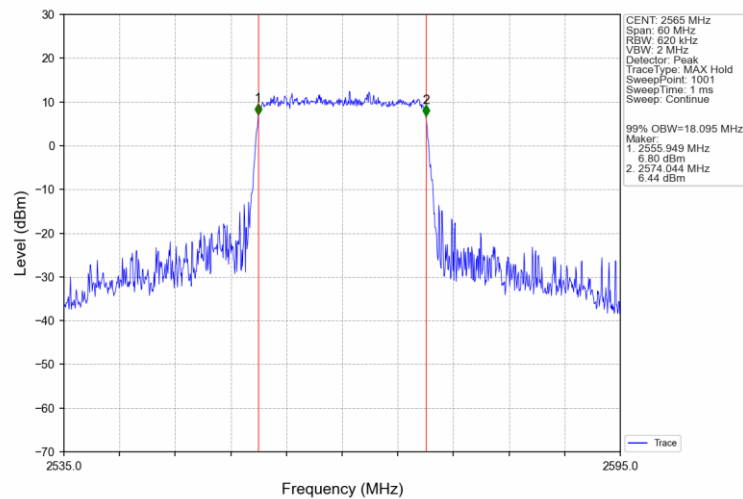
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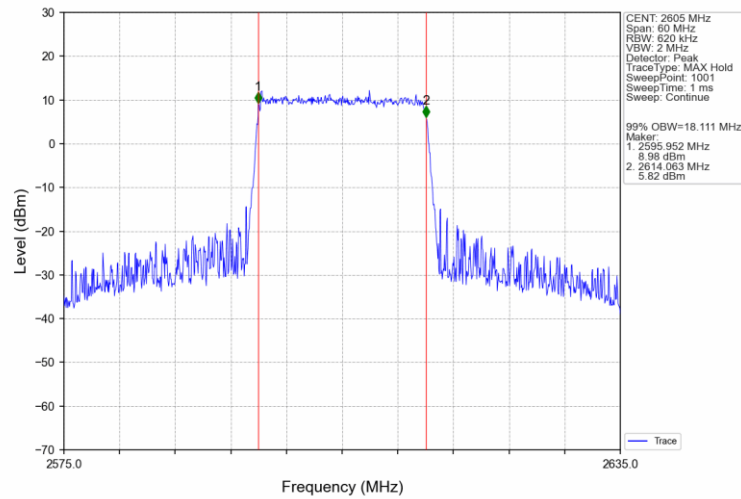
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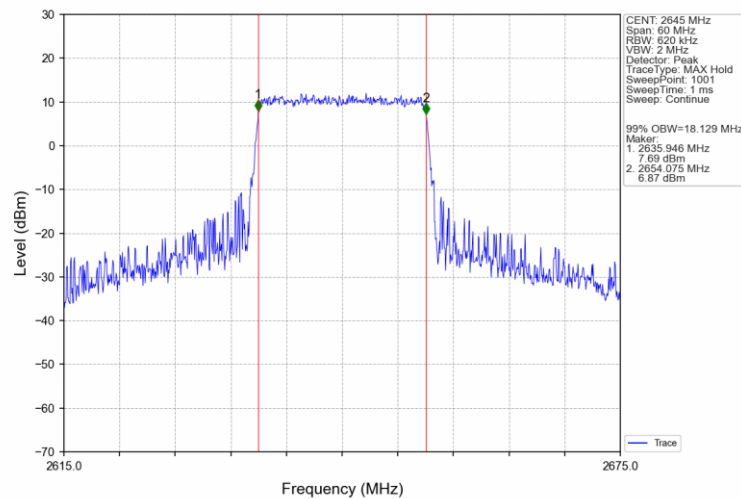
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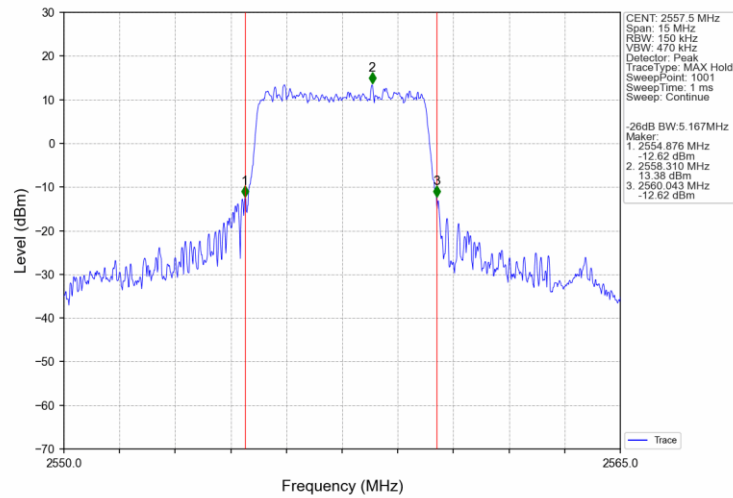


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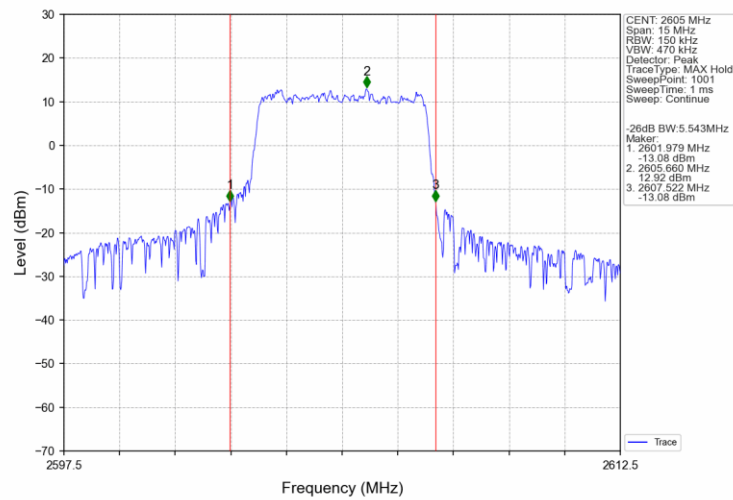


4.2.2 Band41_XDB

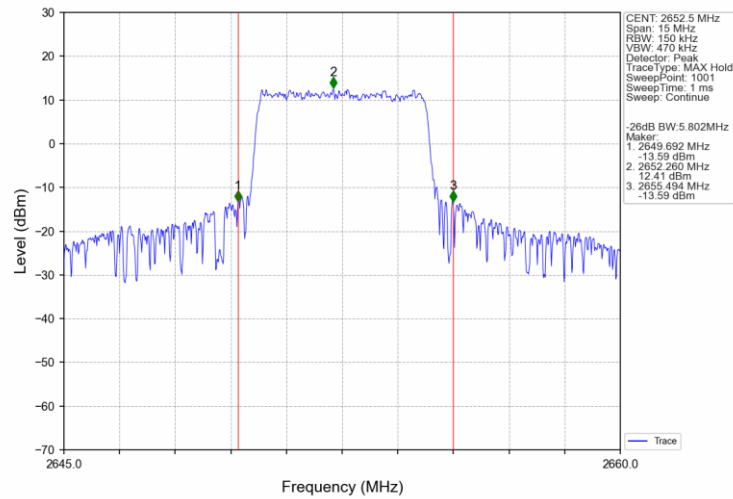
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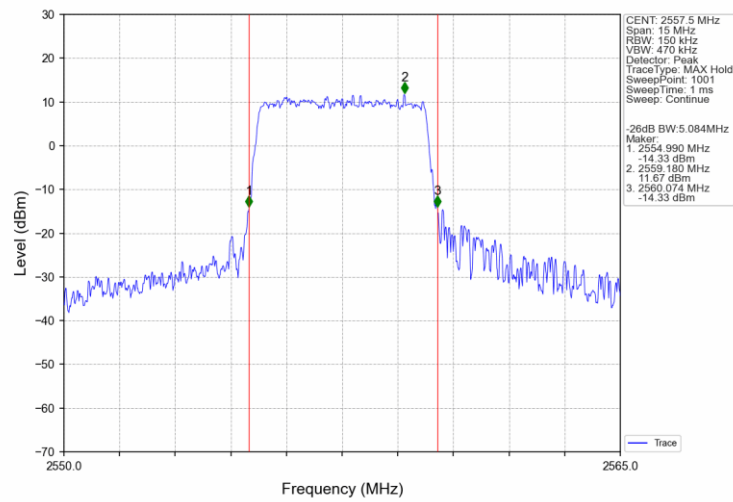
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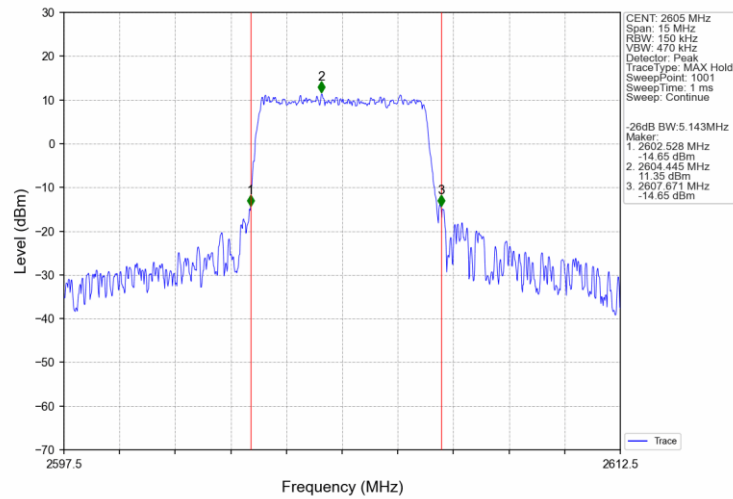
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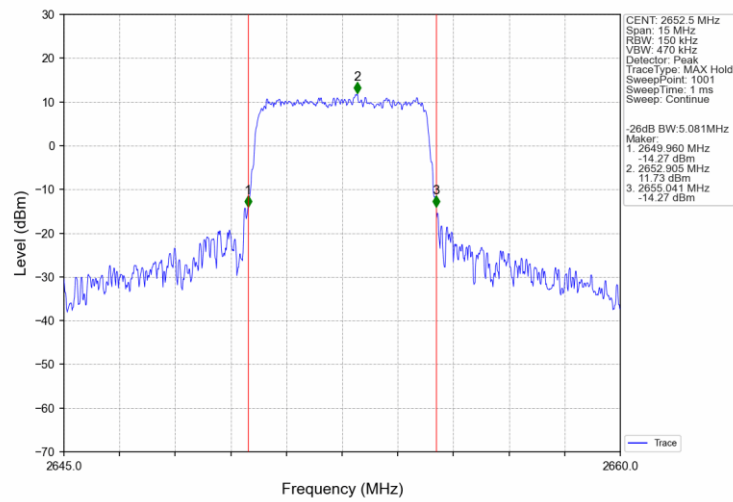
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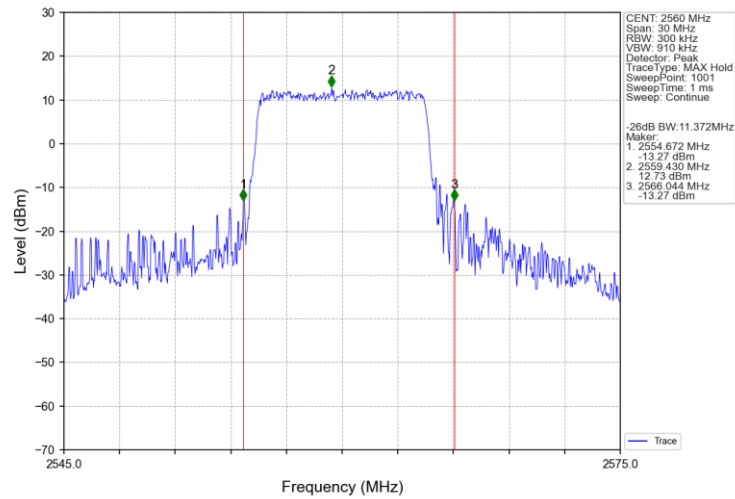
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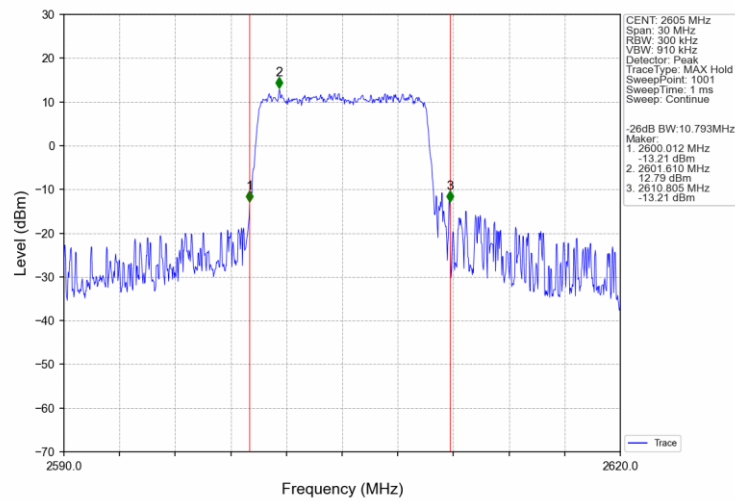
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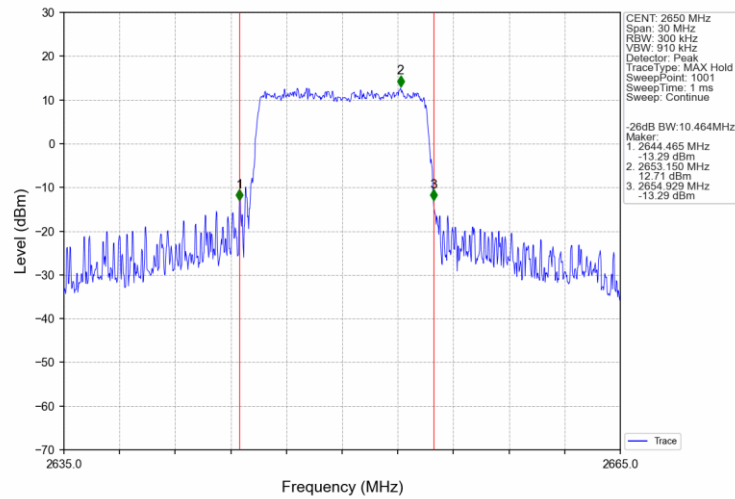
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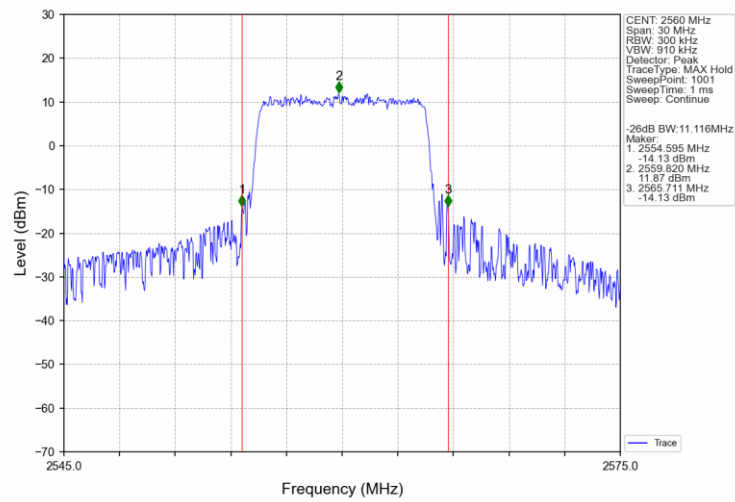
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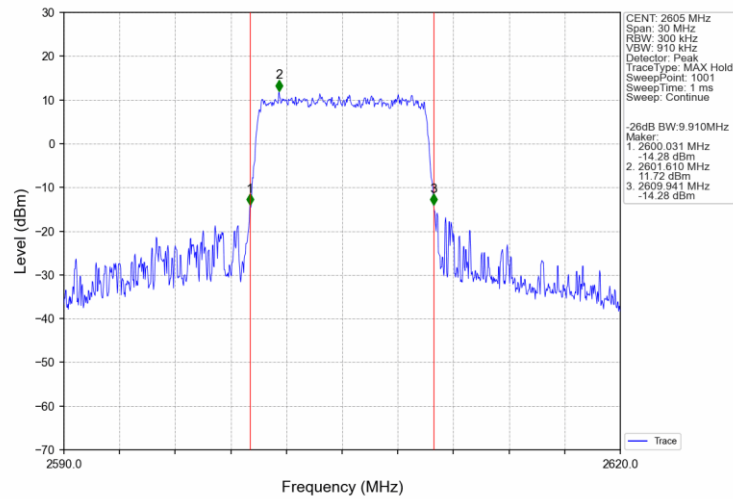
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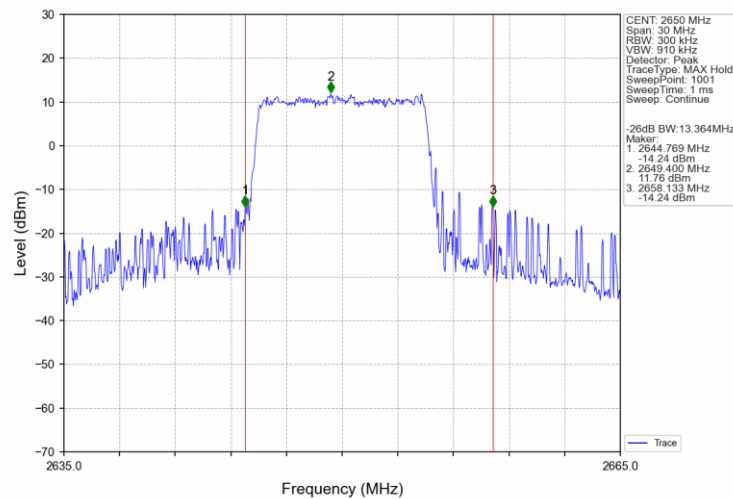
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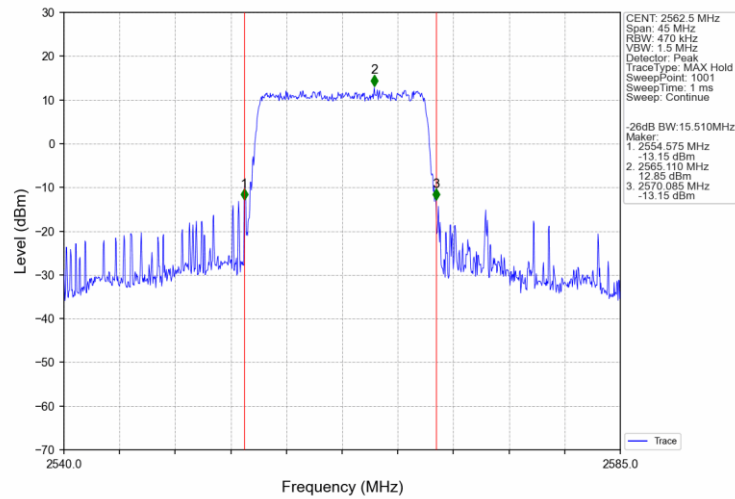
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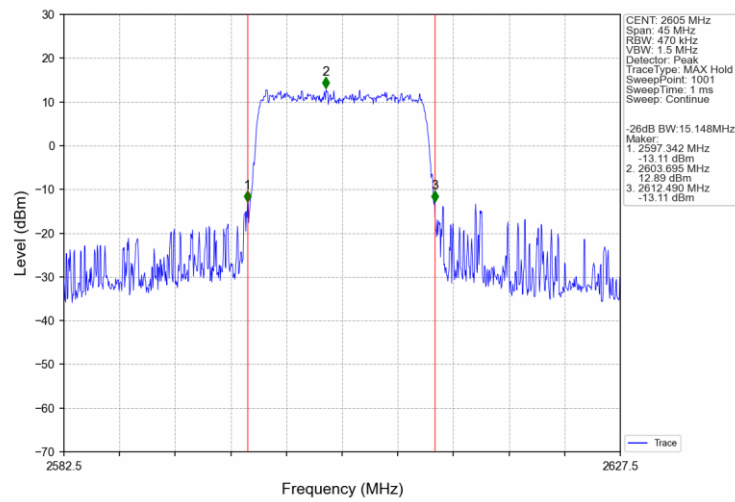
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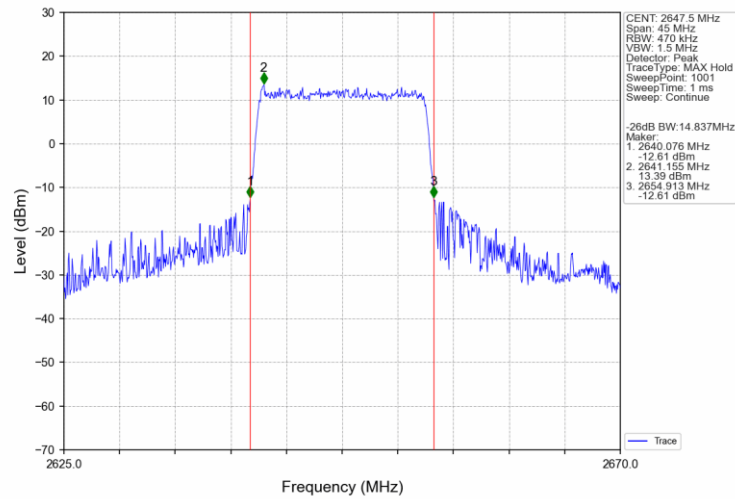
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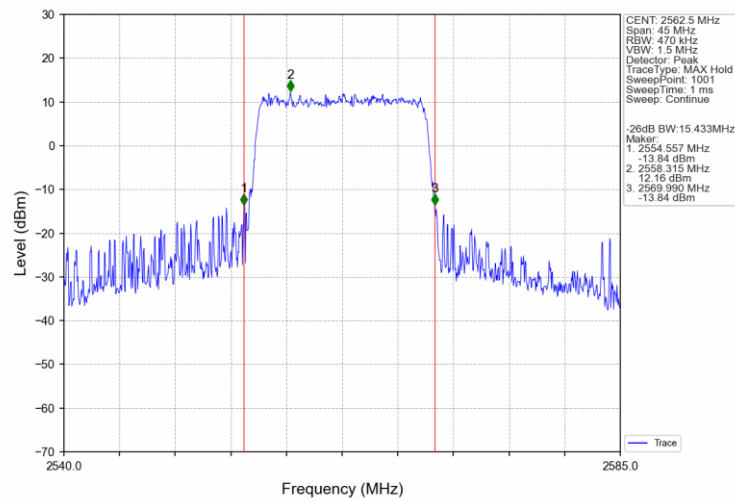
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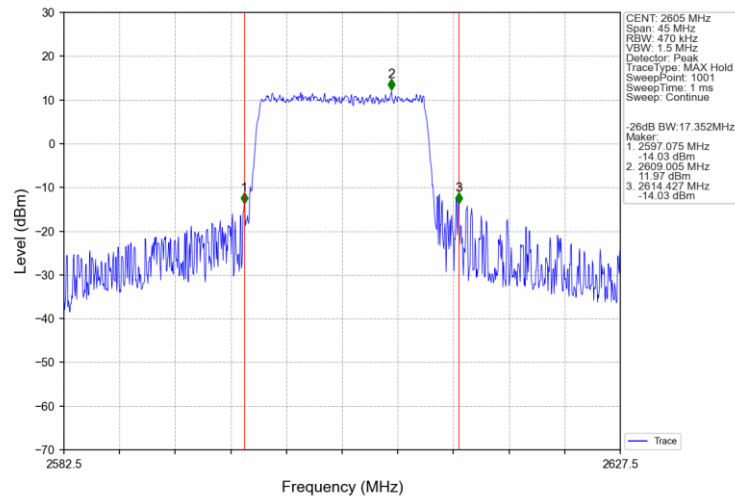
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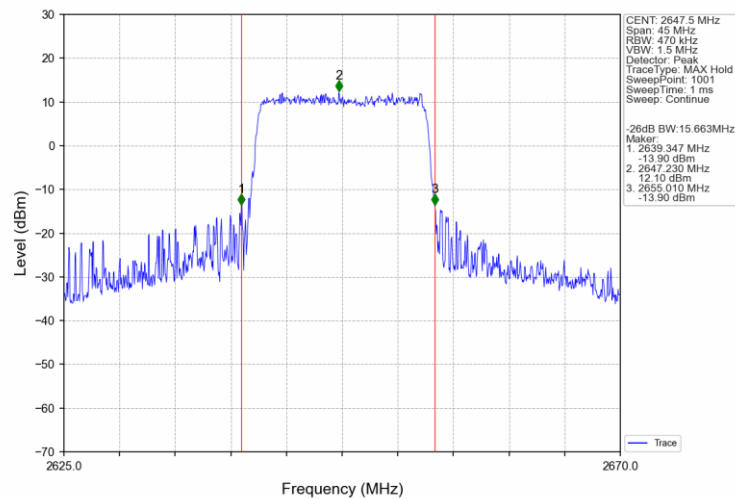
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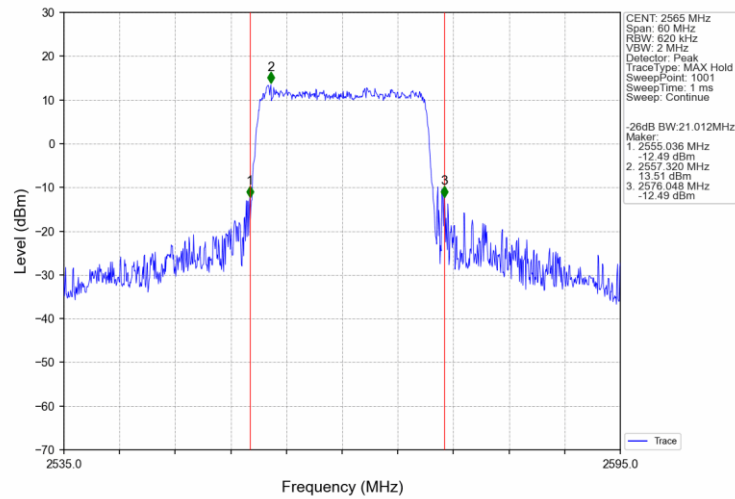
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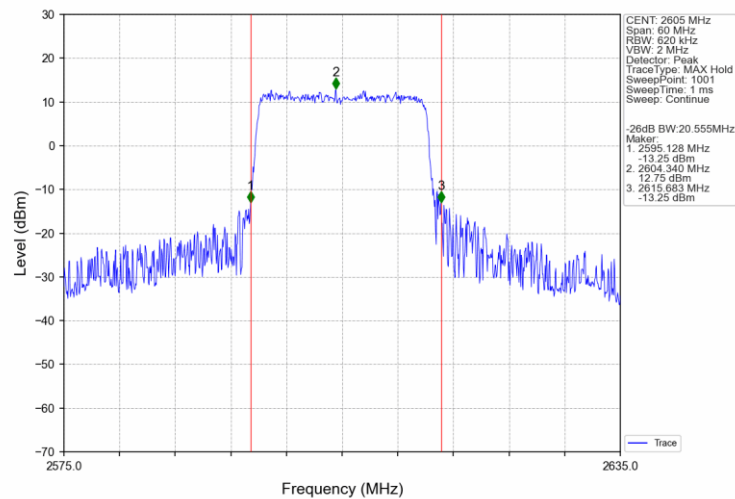
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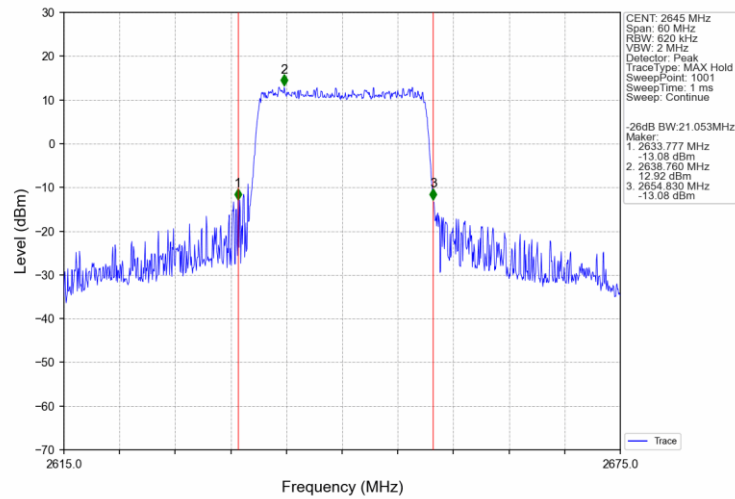
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Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV

