

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	23.45	2.95	26.40	<=33.01	Pass
			13	23.35	2.95	26.30	<=33.01	Pass
			24	23.25	2.95	26.20	<=33.01	Pass
		12	0	22.22	2.95	25.17	<=33.01	Pass
			6	22.32	2.95	25.27	<=33.01	Pass
			13	22.23	2.95	25.18	<=33.01	Pass
		25	0	22.26	2.95	25.21	<=33.01	Pass
	2605	1	0	22.98	2.95	25.93	<=33.01	Pass
			13	22.94	2.95	25.89	<=33.01	Pass
			24	22.85	2.95	25.80	<=33.01	Pass
		12	0	21.84	2.95	24.79	<=33.01	Pass
			6	21.92	2.95	24.87	<=33.01	Pass
			13	21.95	2.95	24.90	<=33.01	Pass
		25	0	21.87	2.95	24.82	<=33.01	Pass
	2652.5	1	0	23.02	2.95	25.97	<=33.01	Pass
			13	23.10	2.95	26.05	<=33.01	Pass
			24	23.00	2.95	25.95	<=33.01	Pass
		12	0	22.01	2.95	24.96	<=33.01	Pass
			6	22.01	2.95	24.96	<=33.01	Pass
			13	22.12	2.95	25.07	<=33.01	Pass
		25	0	22.14	2.95	25.09	<=33.01	Pass
16QAM	2557.5	1	0	22.13	2.95	25.08	<=33.01	Pass
			13	22.31	2.95	25.26	<=33.01	Pass
			24	22.09	2.95	25.04	<=33.01	Pass
		12	0	21.16	2.95	24.11	<=33.01	Pass
			6	21.34	2.95	24.29	<=33.01	Pass
			13	21.24	2.95	24.19	<=33.01	Pass
		25	0	21.21	2.95	24.16	<=33.01	Pass
	2605	1	0	21.92	2.95	24.87	<=33.01	Pass
			13	22.00	2.95	24.95	<=33.01	Pass
			24	21.90	2.95	24.85	<=33.01	Pass
		12	0	20.82	2.95	23.77	<=33.01	Pass
			6	20.93	2.95	23.88	<=33.01	Pass
			13	20.92	2.95	23.87	<=33.01	Pass
		25	0	20.91	2.95	23.86	<=33.01	Pass
	2652.5	1	0	21.81	2.95	24.76	<=33.01	Pass
			13	22.16	2.95	25.11	<=33.01	Pass
			24	22.13	2.95	25.08	<=33.01	Pass
		12	0	21.16	2.95	24.11	<=33.01	Pass
			6	21.14	2.95	24.09	<=33.01	Pass
			13	21.16	2.95	24.11	<=33.01	Pass
		25	0	21.13	2.95	24.08	<=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	23.49	2.95	26.44	<=33.01	Pass
			25	23.50	2.95	26.45	<=33.01	Pass
			49	23.36	2.95	26.31	<=33.01	Pass
		25	0	22.24	2.95	25.19	<=33.01	Pass
			13	22.24	2.95	25.19	<=33.01	Pass
			25	22.24	2.95	25.19	<=33.01	Pass
		50	0	22.30	2.95	25.25	<=33.01	Pass
	2605	1	0	22.97	2.95	25.92	<=33.01	Pass
			25	23.26	2.95	26.21	<=33.01	Pass
			49	22.92	2.95	25.87	<=33.01	Pass
		25	0	21.92	2.95	24.87	<=33.01	Pass
			13	22.00	2.95	24.95	<=33.01	Pass
			25	22.03	2.95	24.98	<=33.01	Pass
		50	0	21.98	2.95	24.93	<=33.01	Pass
	2650	1	0	23.05	2.95	26.00	<=33.01	Pass
			25	23.35	2.95	26.30	<=33.01	Pass
			49	23.13	2.95	26.08	<=33.01	Pass
		25	0	22.13	2.95	25.08	<=33.01	Pass
			13	22.18	2.95	25.13	<=33.01	Pass
			25	22.15	2.95	25.10	<=33.01	Pass
		50	0	22.13	2.95	25.08	<=33.01	Pass
16QAM	2560	1	0	22.31	2.95	25.26	<=33.01	Pass
			25	22.23	2.95	25.18	<=33.01	Pass
			49	22.34	2.95	25.29	<=33.01	Pass
		25	0	21.33	2.95	24.28	<=33.01	Pass
			13	21.31	2.95	24.26	<=33.01	Pass
			25	21.27	2.95	24.22	<=33.01	Pass
		50	0	21.26	2.95	24.21	<=33.01	Pass
	2605	1	0	21.89	2.95	24.84	<=33.01	Pass
			25	22.01	2.95	24.96	<=33.01	Pass
			49	21.59	2.95	24.54	<=33.01	Pass
		25	0	20.93	2.95	23.88	<=33.01	Pass
			13	20.97	2.95	23.92	<=33.01	Pass
			25	21.05	2.95	24.00	<=33.01	Pass
		50	0	21.06	2.95	24.01	<=33.01	Pass
	2650	1	0	21.90	2.95	24.85	<=33.01	Pass
			25	22.11	2.95	25.06	<=33.01	Pass
			49	21.93	2.95	24.88	<=33.01	Pass
		25	0	21.15	2.95	24.10	<=33.01	Pass
			13	21.22	2.95	24.17	<=33.01	Pass
			25	21.24	2.95	24.19	<=33.01	Pass
		50	0	21.13	2.95	24.08	<=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	23.71	2.95	26.66	<=33.01	Pass
			38	23.76	2.95	26.71	<=33.01	Pass
			74	23.33	2.95	26.28	<=33.01	Pass
		36	0	22.54	2.95	25.49	<=33.01	Pass
			18	22.51	2.95	25.46	<=33.01	Pass
			39	22.29	2.95	25.24	<=33.01	Pass
		75	0	22.33	2.95	25.28	<=33.01	Pass

16QAM	2605	1	0	23.21	2.95	26.16	<=33.01	Pass
			38	23.14	2.95	26.09	<=33.01	Pass
			74	22.86	2.95	25.81	<=33.01	Pass
		36	0	21.92	2.95	24.87	<=33.01	Pass
			18	21.97	2.95	24.92	<=33.01	Pass
			39	22.01	2.95	24.96	<=33.01	Pass
		75	0	21.89	2.95	24.84	<=33.01	Pass
	2647.5	1	0	23.20	2.95	26.15	<=33.01	Pass
			38	23.17	2.95	26.12	<=33.01	Pass
			74	22.91	2.95	25.86	<=33.01	Pass
		36	0	22.02	2.95	24.97	<=33.01	Pass
			18	22.01	2.95	24.96	<=33.01	Pass
			39	22.03	2.95	24.98	<=33.01	Pass
		75	0	22.11	2.95	25.06	<=33.01	Pass
	2562.5	1	0	22.00	2.95	24.95	<=33.01	Pass
			38	22.11	2.95	25.06	<=33.01	Pass
			74	22.13	2.95	25.08	<=33.01	Pass
		36	0	21.29	2.95	24.24	<=33.01	Pass
			18	21.38	2.95	24.33	<=33.01	Pass
			39	21.41	2.95	24.36	<=33.01	Pass
		75	0	21.53	2.95	24.48	<=33.01	Pass
	2605	1	0	21.72	2.95	24.67	<=33.01	Pass
			38	22.27	2.95	25.22	<=33.01	Pass
			74	21.98	2.95	24.93	<=33.01	Pass
		36	0	20.99	2.95	23.94	<=33.01	Pass
			18	21.06	2.95	24.01	<=33.01	Pass
			39	21.03	2.95	23.98	<=33.01	Pass
		75	0	21.02	2.95	23.97	<=33.01	Pass
	2647.5	1	0	21.83	2.95	24.78	<=33.01	Pass
			38	21.97	2.95	24.92	<=33.01	Pass
			74	21.84	2.95	24.79	<=33.01	Pass
		36	0	21.07	2.95	24.02	<=33.01	Pass
			18	21.38	2.95	24.33	<=33.01	Pass
			39	21.33	2.95	24.28	<=33.01	Pass
		75	0	21.33	2.95	24.28	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2565	1	0	23.56	2.95	26.51	<=33.01	Pass
			50	23.94	2.95	26.89	<=33.01	Pass
			99	23.37	2.95	26.32	<=33.01	Pass
		50	0	22.50	2.95	25.45	<=33.01	Pass
			25	22.42	2.95	25.37	<=33.01	Pass
			50	22.35	2.95	25.30	<=33.01	Pass
		100	0	22.34	2.95	25.29	<=33.01	Pass
	2605	1	0	23.28	2.95	26.23	<=33.01	Pass
			50	23.50	2.95	26.45	<=33.01	Pass
			99	22.94	2.95	25.89	<=33.01	Pass
		50	0	21.90	2.95	24.85	<=33.01	Pass
			25	22.11	2.95	25.06	<=33.01	Pass
			50	21.94	2.95	24.89	<=33.01	Pass
		100	0	22.00	2.95	24.95	<=33.01	Pass
	2645	1	0	23.14	2.95	26.09	<=33.01	Pass
			50	23.25	2.95	26.20	<=33.01	Pass

			99	22.95	2.95	25.90	<=33.01	Pass
		50	0	22.21	2.95	25.16	<=33.01	Pass
			25	22.24	2.95	25.19	<=33.01	Pass
			50	22.10	2.95	25.05	<=33.01	Pass
		100	0	22.24	2.95	25.19	<=33.01	Pass
16QAM	2565	1	0	21.96	2.95	24.91	<=33.01	Pass
			50	22.51	2.95	25.46	<=33.01	Pass
			99	22.09	2.95	25.04	<=33.01	Pass
		50	0	21.43	2.95	24.38	<=33.01	Pass
			25	21.53	2.95	24.48	<=33.01	Pass
			50	21.55	2.95	24.50	<=33.01	Pass
		100	0	21.55	2.95	24.50	<=33.01	Pass
	2605	1	0	21.32	2.95	24.27	<=33.01	Pass
			50	22.27	2.95	25.22	<=33.01	Pass
			99	21.74	2.95	24.69	<=33.01	Pass
		50	0	20.98	2.95	23.93	<=33.01	Pass
			25	21.08	2.95	24.03	<=33.01	Pass
			50	21.16	2.95	24.11	<=33.01	Pass
		100	0	21.14	2.95	24.09	<=33.01	Pass
	2645	1	0	21.57	2.95	24.52	<=33.01	Pass
			50	22.15	2.95	25.10	<=33.01	Pass
			99	21.83	2.95	24.78	<=33.01	Pass
		50	0	21.23	2.95	24.18	<=33.01	Pass
			25	21.57	2.95	24.52	<=33.01	Pass
			50	21.39	2.95	24.34	<=33.01	Pass
		100	0	21.52	2.95	24.47	<=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	-15.550	-0.0061	-2.5 to 2.5	Pass
					3.85	-24.090	-0.0094	-2.5 to 2.5	Pass
					4.43	-21.100	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-34.776	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	-21.286	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-27.266	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-21.529	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-37.122	-0.0145	-2.5 to 2.5	Pass
				30	3.85	-17.424	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-25.477	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-31.142	-0.0122	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	3.047	0.0012	-2.5 to 2.5	Pass
					3.85	2.918	0.0011	-2.5 to 2.5	Pass
					4.43	12.031	0.0046	-2.5 to 2.5	Pass
				-30	3.85	15.035	0.0058	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	3.119	0.0012	-2.5 to 2.5	Pass
				0	3.85	-13.046	-0.0050	-2.5 to 2.5	Pass
				10	3.85	7.424	0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.947	-0.0011	-2.5 to 2.5	Pass
				50	3.85	1.702	0.0007	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	8.941	0.0034	-2.5 to 2.5	Pass
					3.85	14.348	0.0054	-2.5 to 2.5	Pass
					4.43	-1.216	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	21.272	0.0080	-2.5 to 2.5	Pass
				-20	3.85	9.756	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				0	3.85	13.747	0.0052	-2.5 to 2.5	Pass
				10	3.85	3.963	0.0015	-2.5 to 2.5	Pass
				30	3.85	7.610	0.0029	-2.5 to 2.5	Pass
				40	3.85	18.682	0.0070	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-32.229	-0.0126	-2.5 to 2.5	Pass
					3.85	-31.886	-0.0125	-2.5 to 2.5	Pass
					4.43	-27.738	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-24.719	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-35.119	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-39.897	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-36.178	-0.0141	-2.5 to 2.5	Pass
				10	3.85	-31.972	-0.0125	-2.5 to 2.5	Pass
				30	3.85	-42.214	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-37.451	-0.0146	-2.5 to 2.5	Pass
				50	3.85	-41.370	-0.0162	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	6.437	0.0025	-2.5 to 2.5	Pass
					3.85	15.407	0.0059	-2.5 to 2.5	Pass
					4.43	3.977	0.0015	-2.5 to 2.5	Pass
				-30	3.85	16.050	0.0062	-2.5 to 2.5	Pass
				-20	3.85	19.569	0.0075	-2.5 to 2.5	Pass
				-10	3.85	5.178	0.0020	-2.5 to 2.5	Pass

				0	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				10	3.85	6.738	0.0026	-2.5 to 2.5	Pass
				30	3.85	20.556	0.0079	-2.5 to 2.5	Pass
				40	3.85	17.180	0.0066	-2.5 to 2.5	Pass
				50	3.85	18.997	0.0073	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	11.787	0.0044	-2.5 to 2.5	Pass
					3.85	16.379	0.0062	-2.5 to 2.5	Pass
					4.43	17.080	0.0064	-2.5 to 2.5	Pass
				-30	3.85	6.151	0.0023	-2.5 to 2.5	Pass
				-20	3.85	11.287	0.0043	-2.5 to 2.5	Pass
				-10	3.85	15.664	0.0059	-2.5 to 2.5	Pass
				0	3.85	20.628	0.0078	-2.5 to 2.5	Pass
				10	3.85	21.200	0.0080	-2.5 to 2.5	Pass
				30	3.85	7.310	0.0028	-2.5 to 2.5	Pass
				40	3.85	5.608	0.0021	-2.5 to 2.5	Pass
				50	3.85	-9.127	-0.0034	-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	-4.978	-0.0019	-2.5 to 2.5	Pass
					3.85	0.286	0.0001	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-10.371	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-9.699	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-4.177	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-12.646	-0.0049	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-12.431	-0.0048	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
					4.43	-11.201	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-10.386	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-13.232	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				40	3.85	-4.964	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0022	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-12.546	-0.0047	-2.5 to 2.5	Pass
					3.85	-9.756	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-14.019	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-10.571	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-13.776	-0.0052	-2.5 to 2.5	Pass
				30	3.85	1.216	0.0005	-2.5 to 2.5	Pass
				40	3.85	-10.958	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-17.781	-0.0067	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	-9.255	-0.0036	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0010	-2.5 to 2.5	Pass

				-30	3.85	-2.933	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-14.863	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-15.378	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-7.553	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-7.696	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-10.114	-0.0040	-2.5 to 2.5	Pass
				50	3.85	3.934	0.0015	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-8.869	-0.0034	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.174	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-9.041	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-18.268	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-7.896	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-11.759	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-7.839	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-6.108	-0.0023	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-7.854	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0017	-2.5 to 2.5	Pass
					4.43	1.545	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.662	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-9.856	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-18.983	-0.0072	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	-11.129	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-18.182	-0.0069	-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	-2.031	-0.0008	-2.5 to 2.5	Pass
					3.85	-7.610	-0.0030	-2.5 to 2.5	Pass
					4.43	-9.384	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.420	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.766	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-6.709	-0.0026	-2.5 to 2.5	Pass
					3.85	-6.881	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.108	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-16.894	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0024	-2.5 to 2.5	Pass
				0	3.85	2.689	0.0010	-2.5 to 2.5	Pass
				10	3.85	-10.400	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass

	2647.5	75	0	20	3.27	1.788	0.0007	-2.5 to 2.5	Pass
					3.85	-8.669	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-9.227	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.194	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-11.444	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-10.242	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-2.131	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
					4.43	-9.928	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-10.586	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-11.101	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-10.328	-0.0040	-2.5 to 2.5	Pass
					3.85	-14.133	-0.0054	-2.5 to 2.5	Pass
					4.43	1.788	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-6.380	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-13.504	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-7.439	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.180	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0025	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-12.975	-0.0049	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0023	-2.5 to 2.5	Pass
					4.43	-16.265	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-15.764	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0027	-2.5 to 2.5	Pass
				10	3.85	1.545	0.0006	-2.5 to 2.5	Pass
				30	3.85	-9.499	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.180	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.945	-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	2565	100	0	20	3.27	-13.175	-0.0051	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-9.098	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-13.061	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass

				30	3.85	-7.267	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.593	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-15.750	-0.0061	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-5.279	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0017	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-6.495	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-7.982	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-9.184	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-9.041	-0.0035	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-12.102	-0.0046	-2.5 to 2.5	Pass
					3.85	-8.883	-0.0034	-2.5 to 2.5	Pass
					4.43	-9.999	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-7.496	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-6.595	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-11.573	-0.0044	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-15.163	-0.0059	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
					4.43	-10.314	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-10.343	-0.0040	-2.5 to 2.5	Pass
				0	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-5.679	-0.0022	-2.5 to 2.5	Pass
					3.85	-13.804	-0.0053	-2.5 to 2.5	Pass
					4.43	-8.225	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.895	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-10.414	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-8.683	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-6.967	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-14.434	-0.0055	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-2.031	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
					4.43	-14.277	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0016	-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

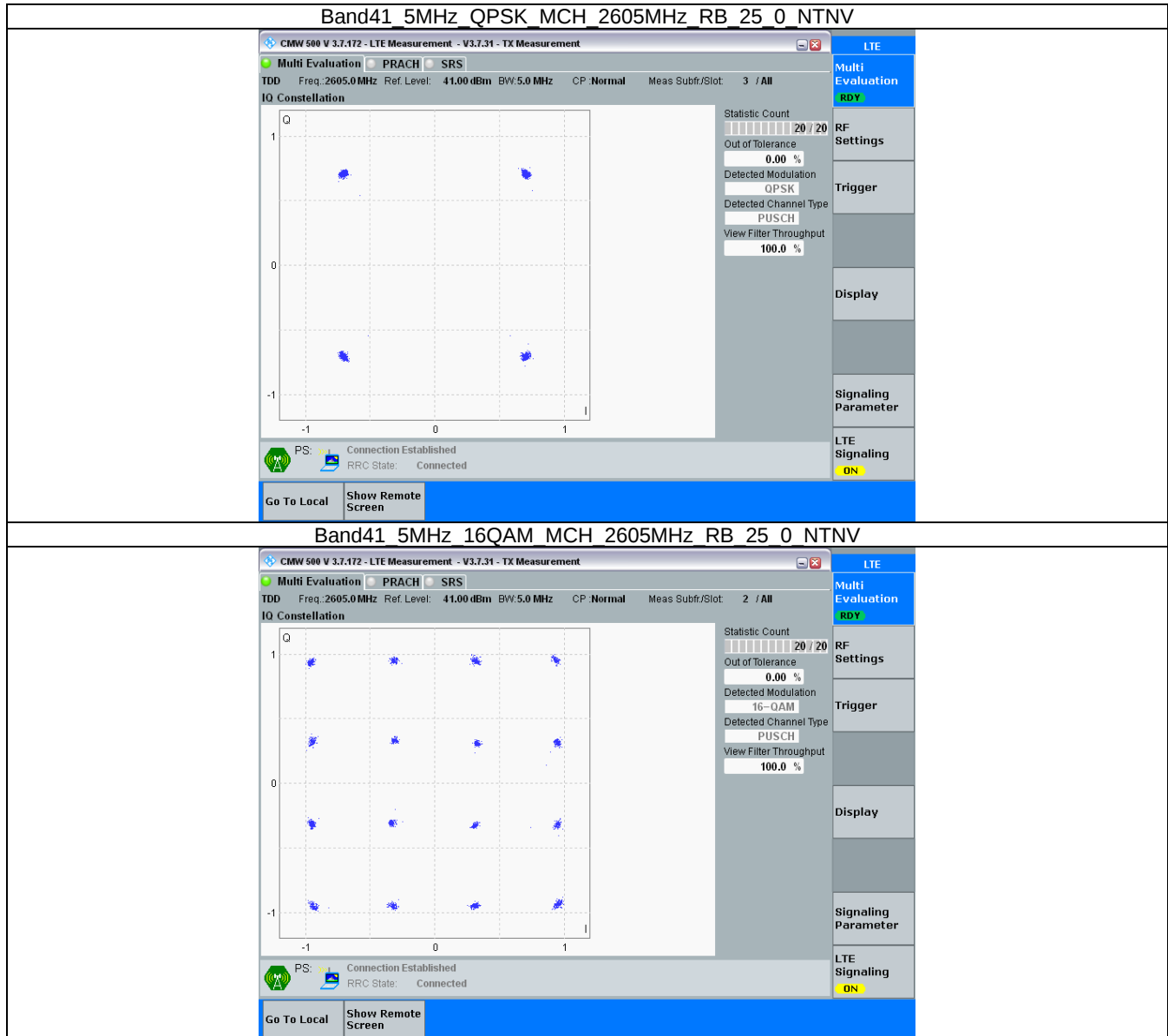
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

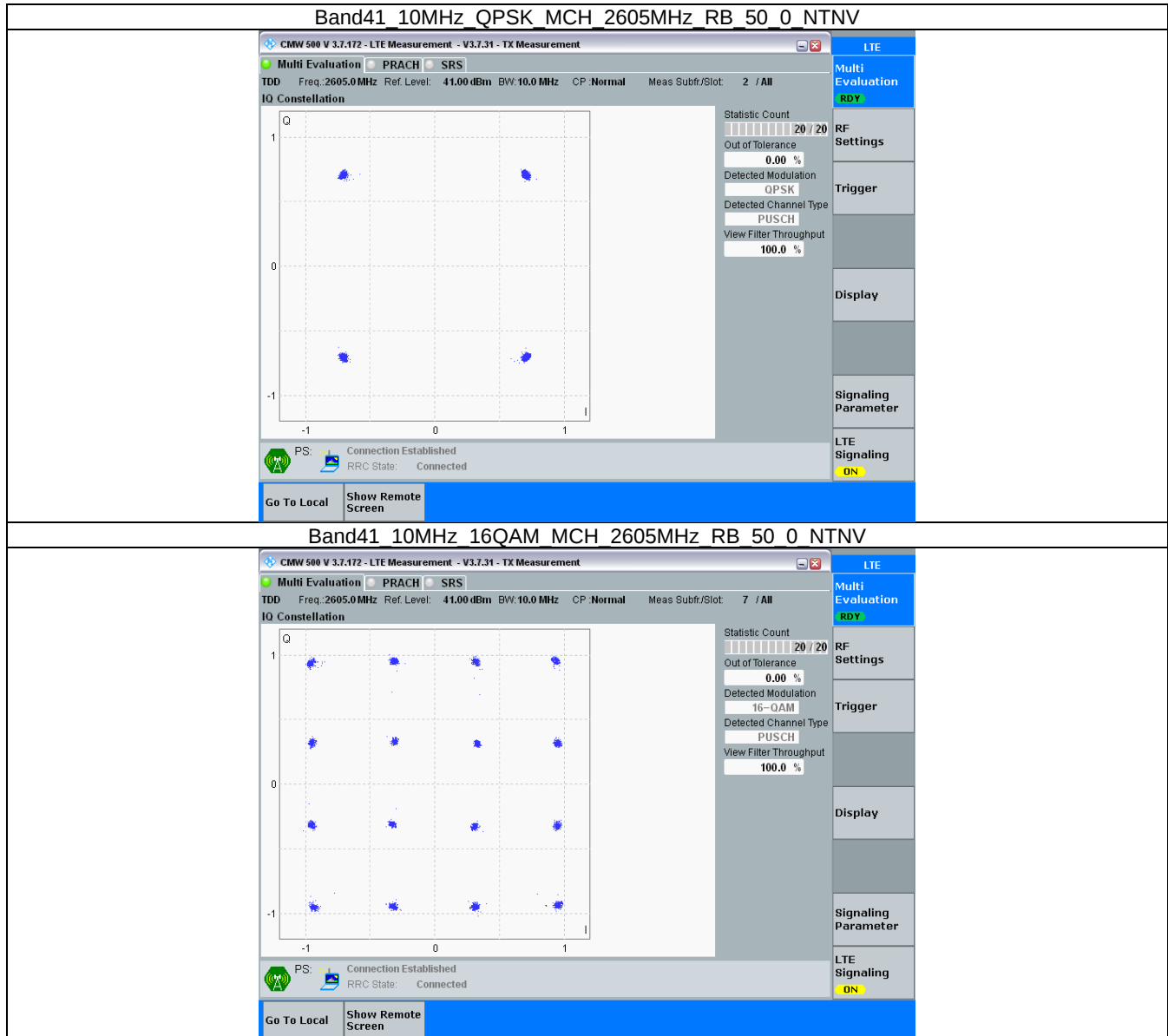
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

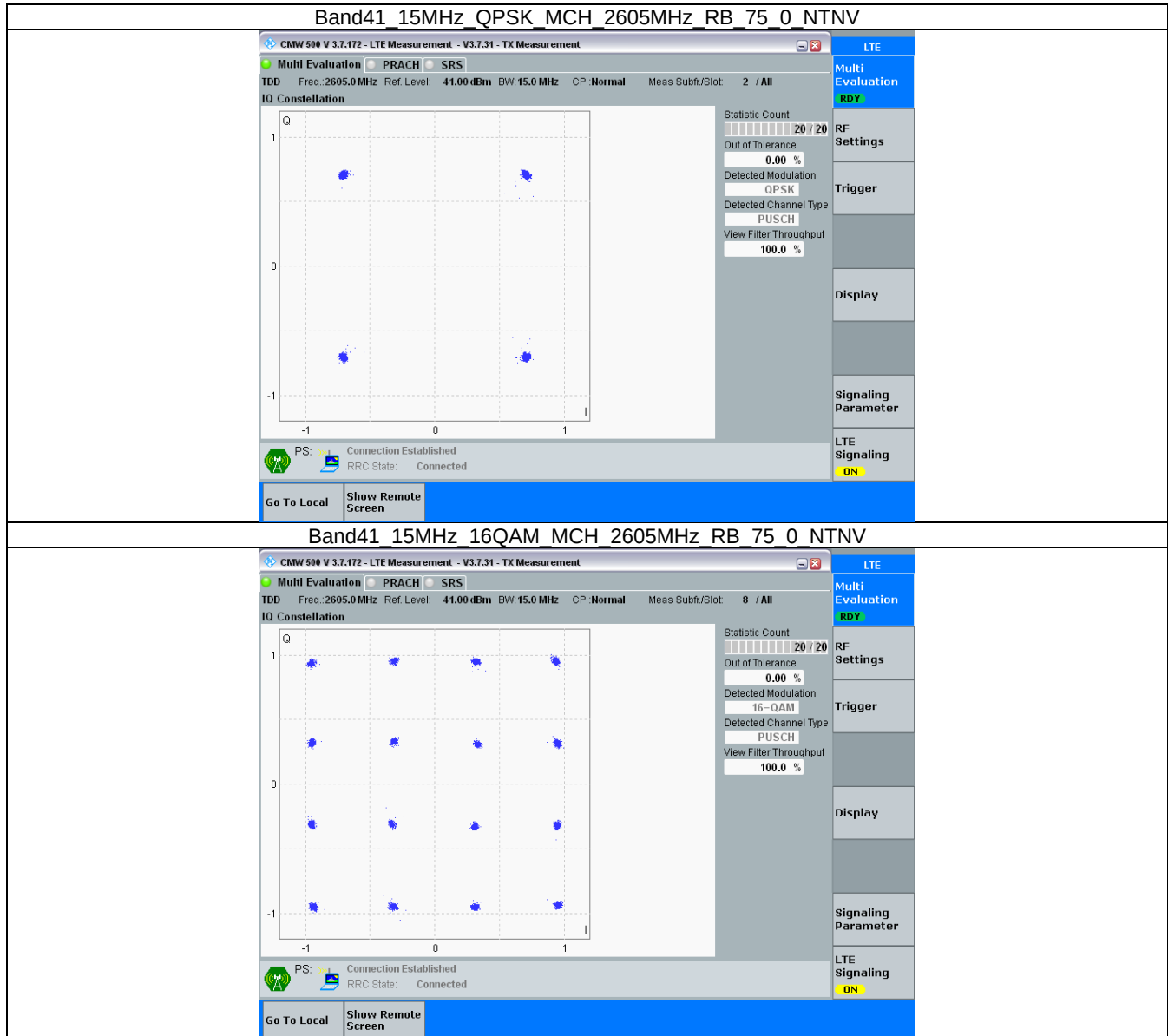
3.2.1 B41_5MHz



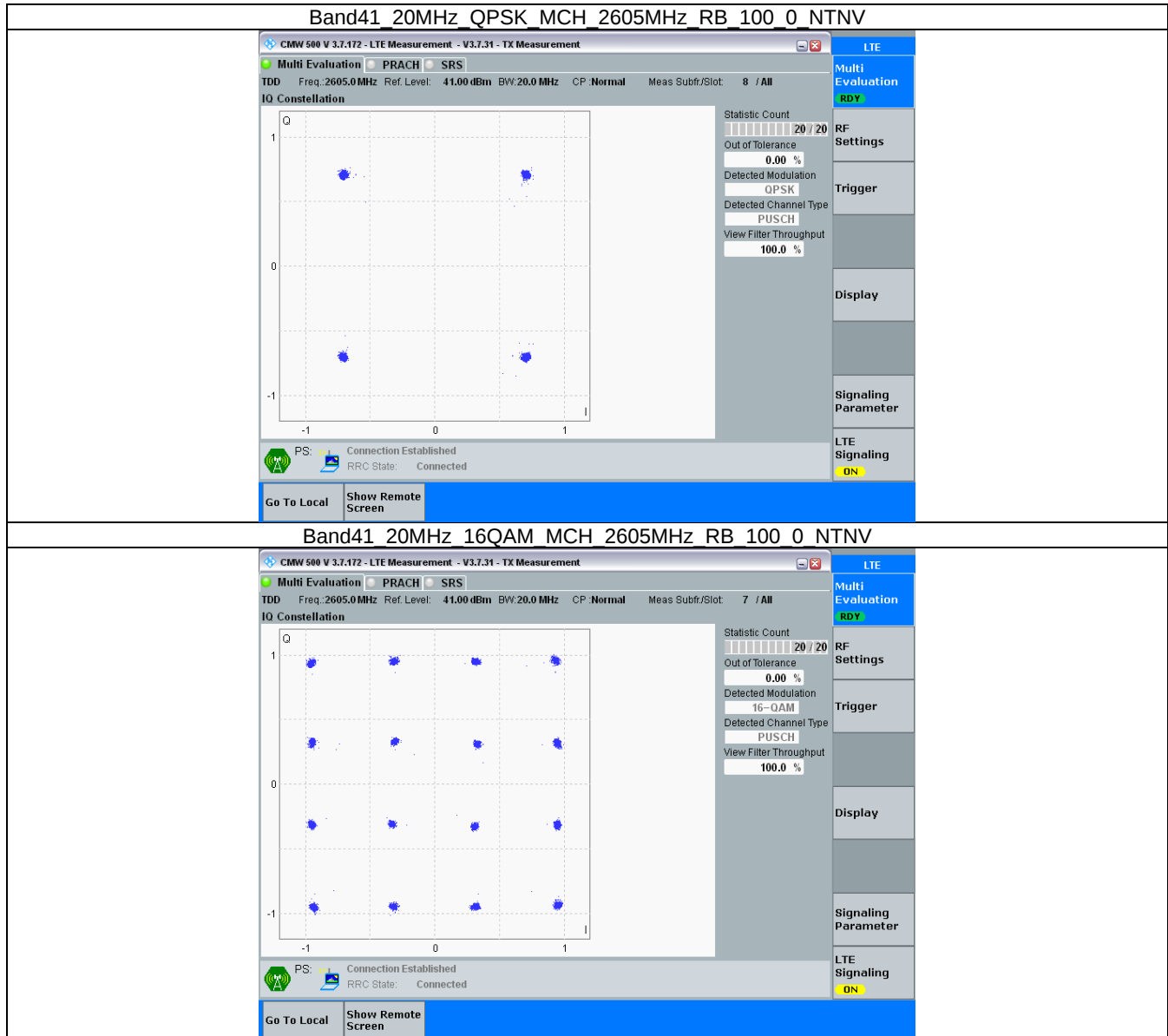
3.2.2 B41_10MHz



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	4.557	/	Pass
		2605	25	0	4.551	/	Pass
		2652.5	25	0	4.553	/	Pass
	16QAM	2557.5	25	0	4.540	/	Pass
		2605	25	0	4.539	/	Pass
		2652.5	25	0	4.567	/	Pass
10	QPSK	2560	50	0	9.066	/	Pass
		2605	50	0	9.050	/	Pass
		2650	50	0	9.065	/	Pass
	16QAM	2560	50	0	9.075	/	Pass
		2605	50	0	9.051	/	Pass
		2650	50	0	9.036	/	Pass
15	QPSK	2562.5	75	0	13.567	/	Pass
		2605	75	0	13.625	/	Pass
		2647.5	75	0	13.570	/	Pass
	16QAM	2562.5	75	0	13.589	/	Pass
		2605	75	0	13.606	/	Pass
		2647.5	75	0	13.629	/	Pass
20	QPSK	2565	100	0	18.178	/	Pass
		2605	100	0	18.134	/	Pass
		2645	100	0	18.084	/	Pass
	16QAM	2565	100	0	18.098	/	Pass
		2605	100	0	18.114	/	Pass
		2645	100	0	18.140	/	Pass

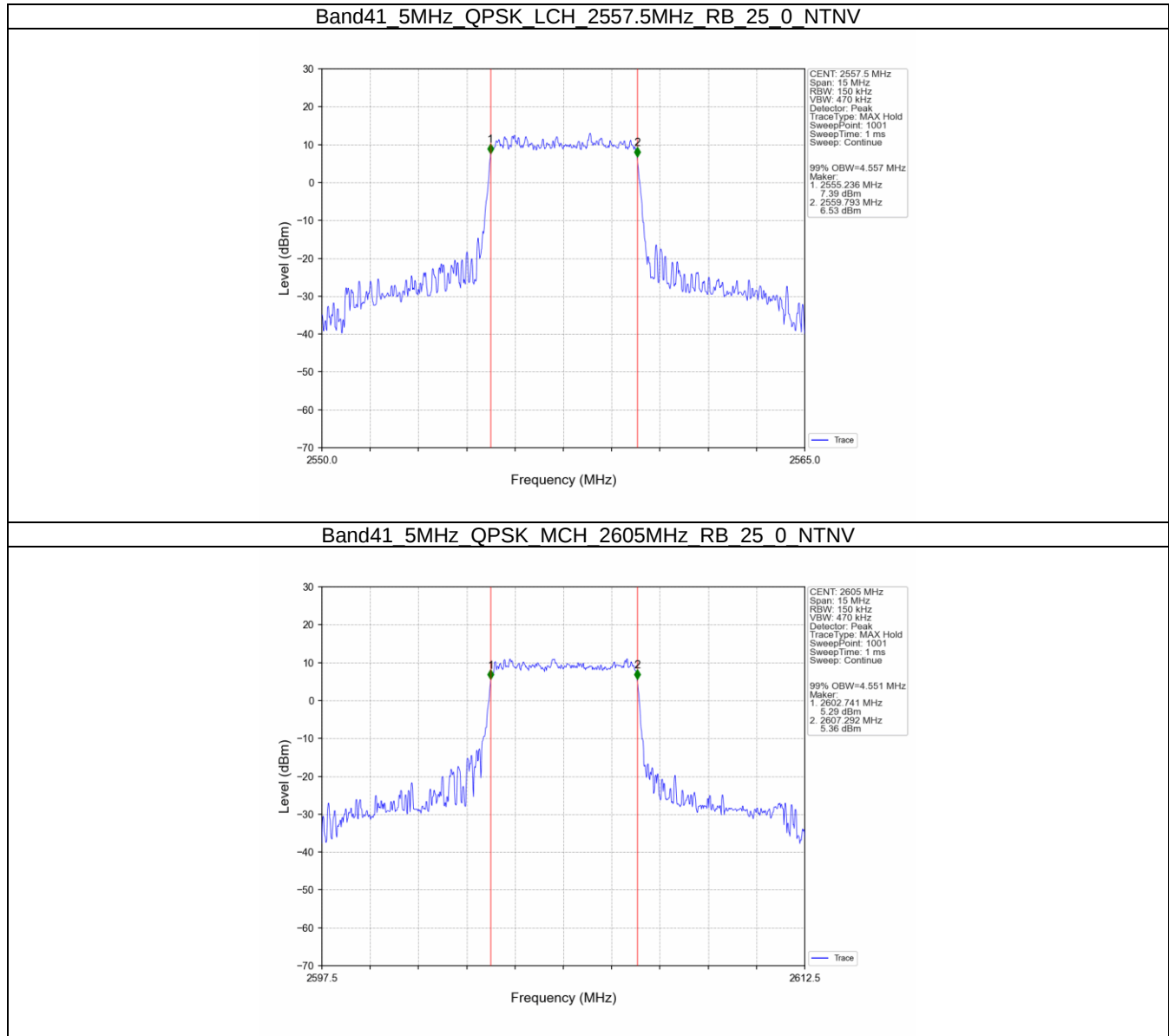
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.015	/	Pass
		2605	25	0	5.367	/	Pass
		2652.5	25	0	6.225	/	Pass
	16QAM	2557.5	25	0	5.347	/	Pass
		2605	25	0	5.100	/	Pass
		2652.5	25	0	5.294	/	Pass
10	QPSK	2560	50	0	11.711	/	Pass
		2605	50	0	10.076	/	Pass
		2650	50	0	9.864	/	Pass
	16QAM	2560	50	0	10.533	/	Pass
		2605	50	0	10.867	/	Pass
		2650	50	0	11.227	/	Pass
15	QPSK	2562.5	75	0	15.870	/	Pass
		2605	75	0	15.733	/	Pass
		2647.5	75	0	15.903	/	Pass
	16QAM	2562.5	75	0	15.468	/	Pass
		2605	75	0	16.674	/	Pass
		2647.5	75	0	15.914	/	Pass
20	QPSK	2565	100	0	21.057	/	Pass

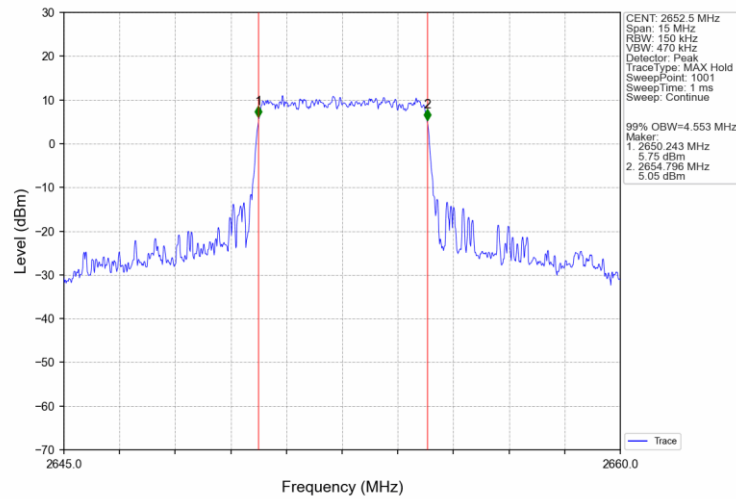
		2605	100	0	21.429	/	Pass
		2645	100	0	19.617	/	Pass
	16QAM	2565	100	0	20.040	/	Pass
		2605	100	0	19.698	/	Pass
		2645	100	0	21.522	/	Pass

4.2 Test Graph

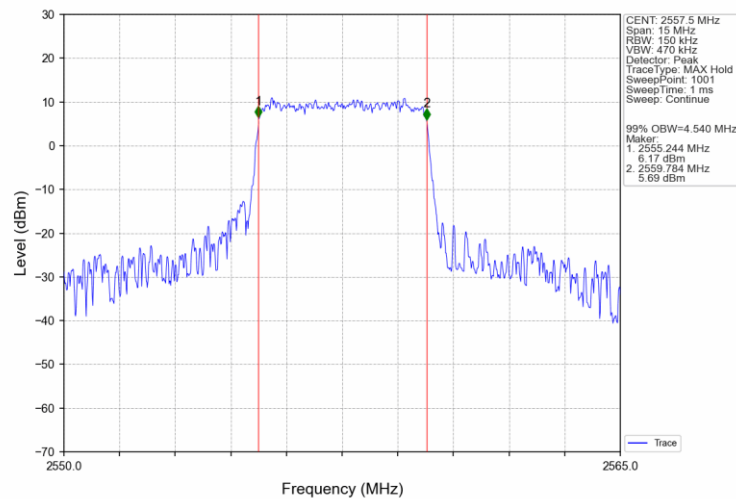
4.2.1 Band41_OBW



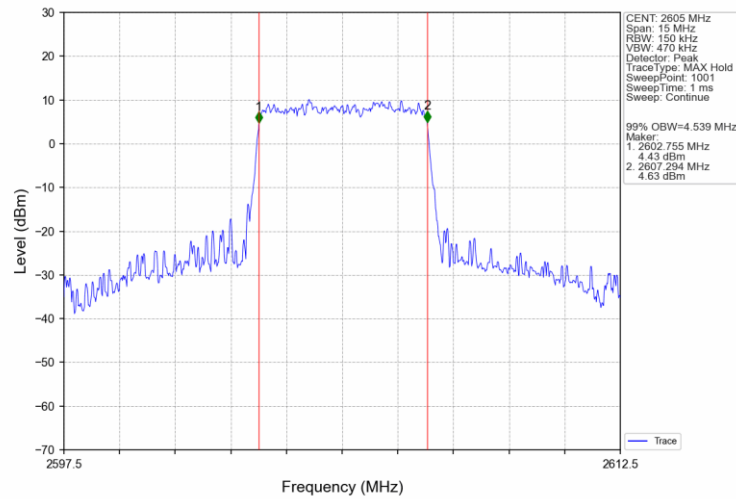
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



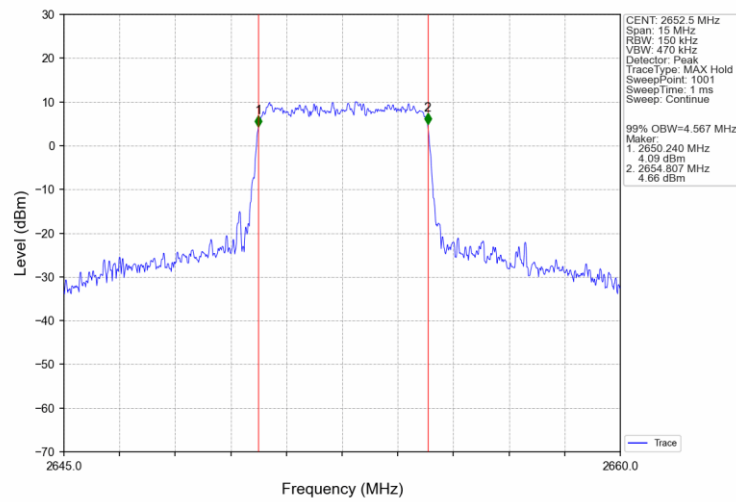
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



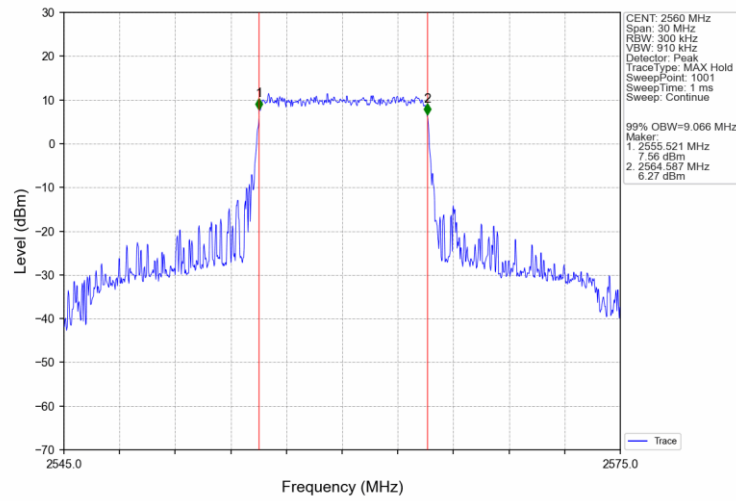
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



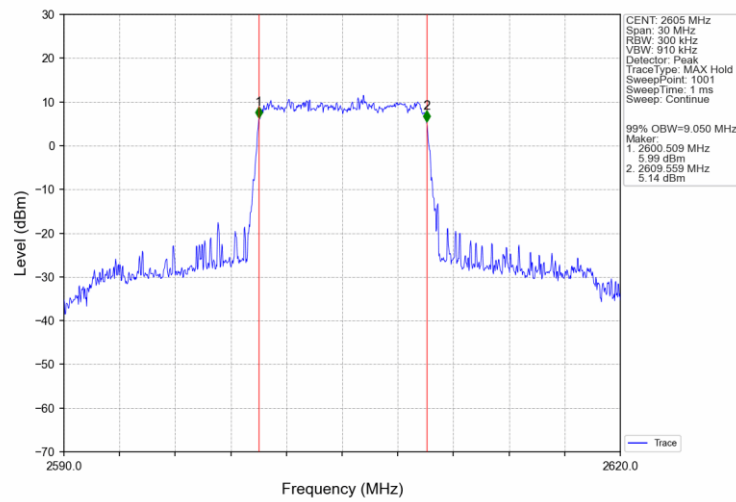
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



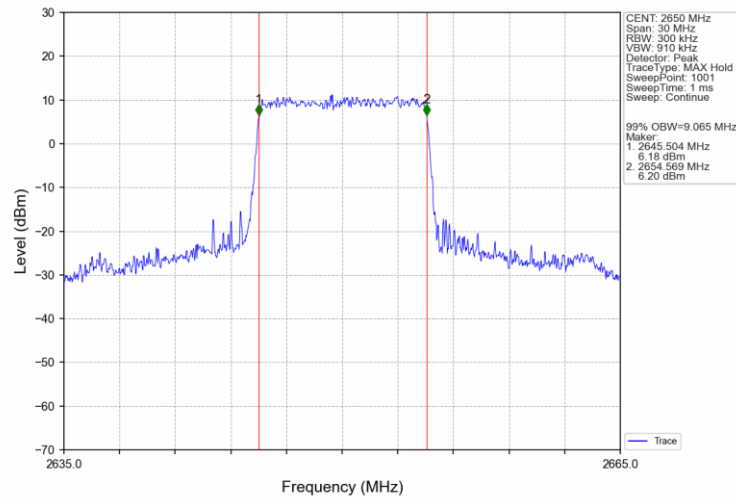
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



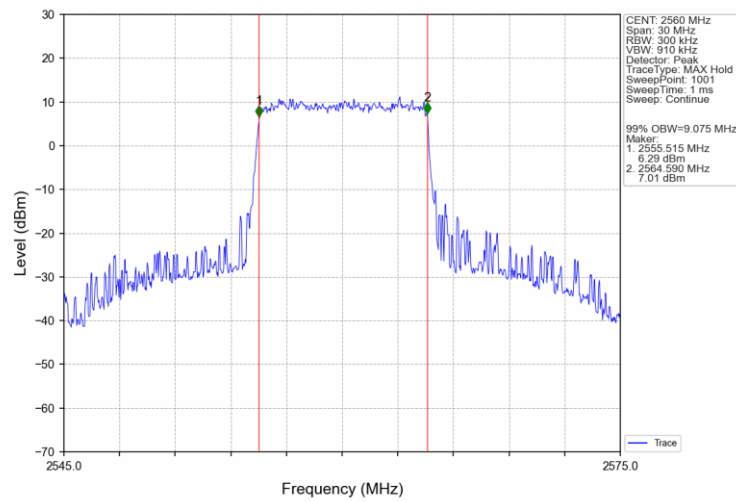
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



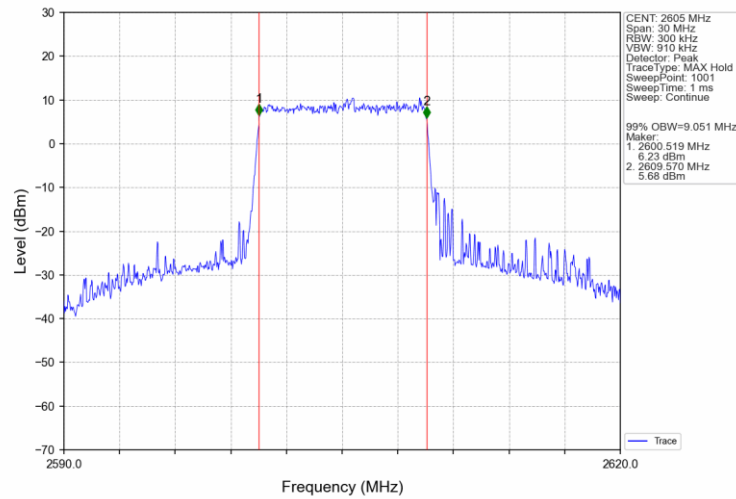
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



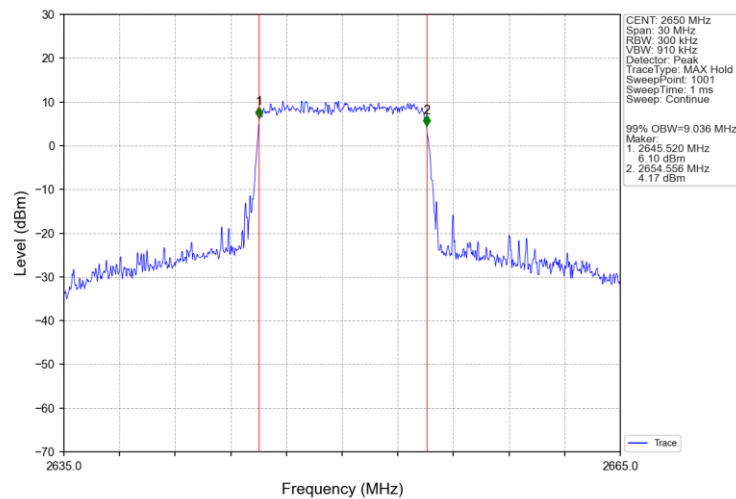
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



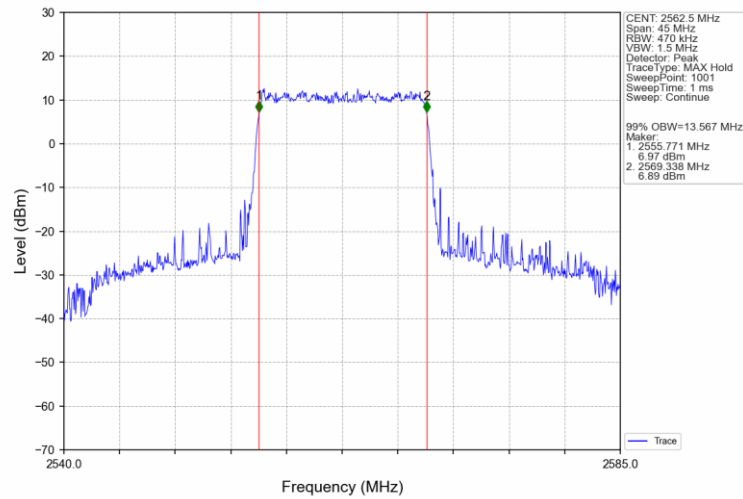
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



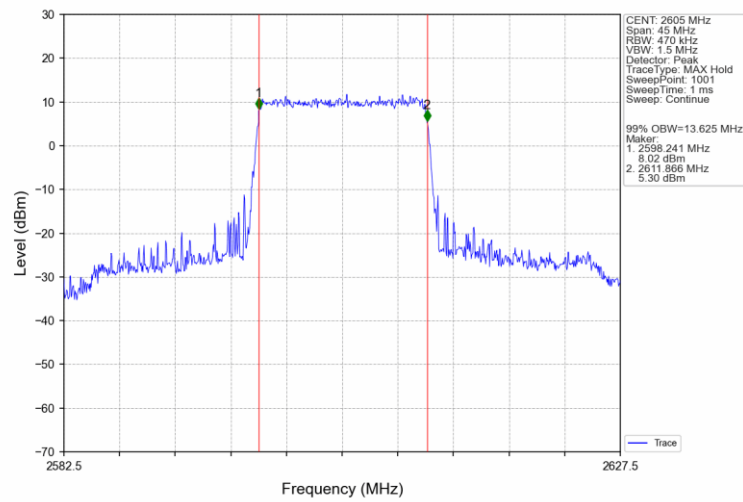
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



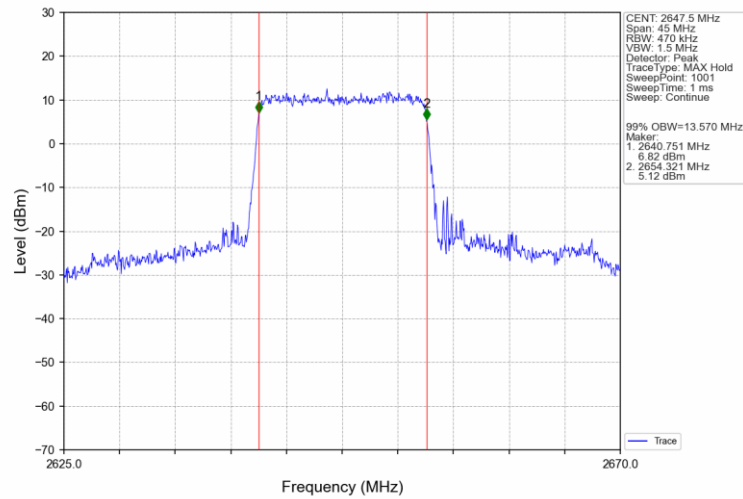
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



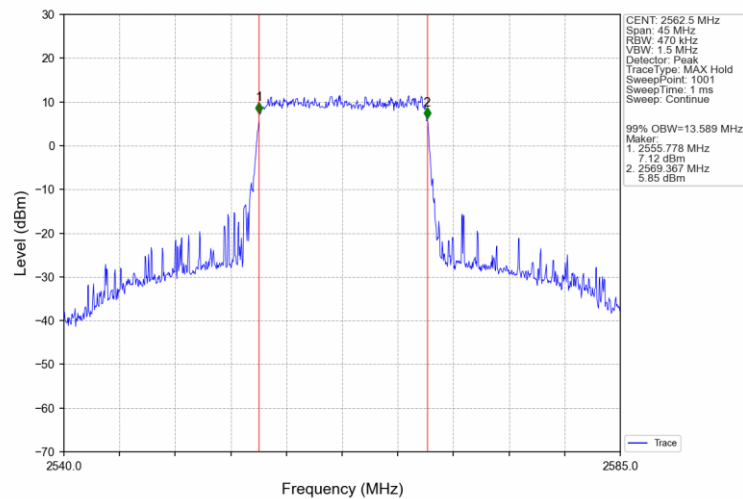
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



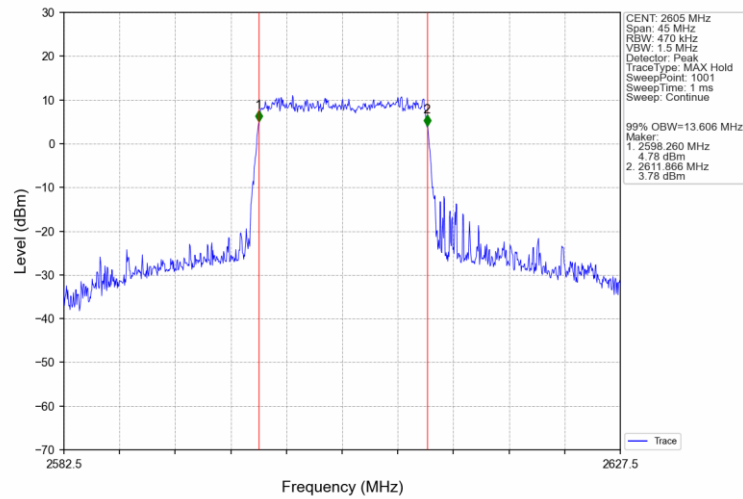
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



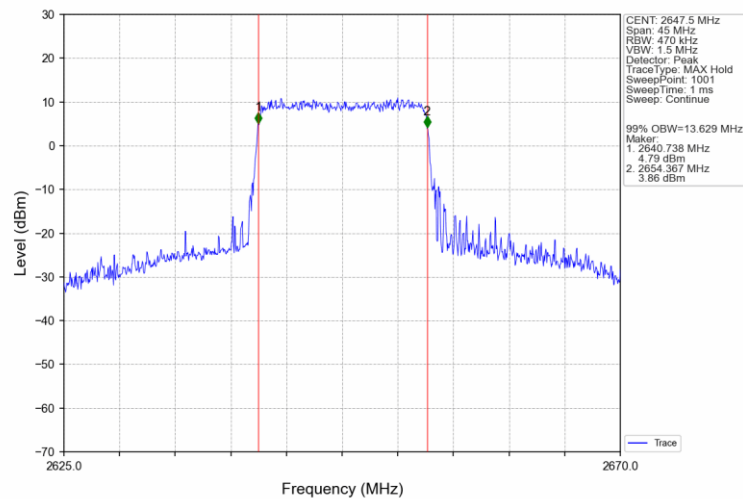
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



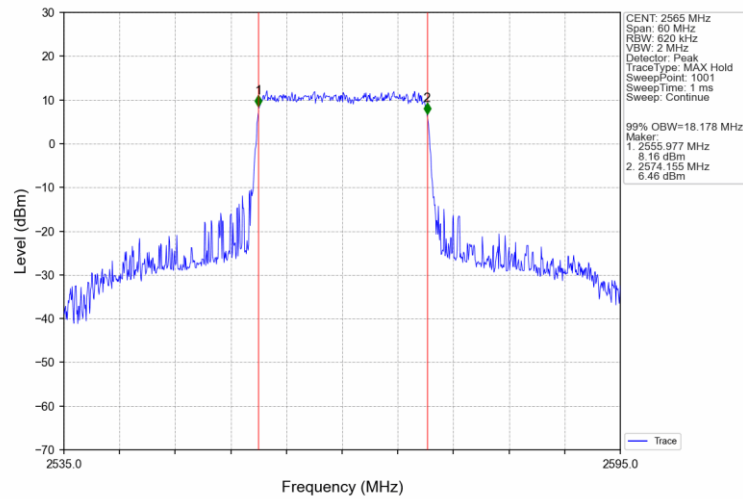
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



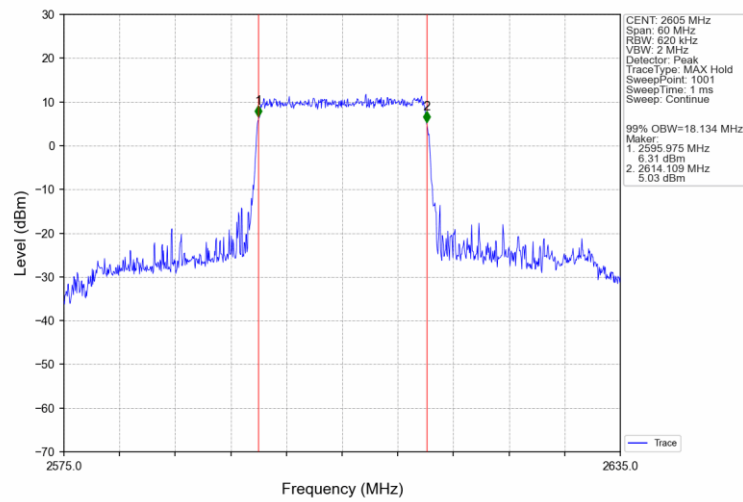
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



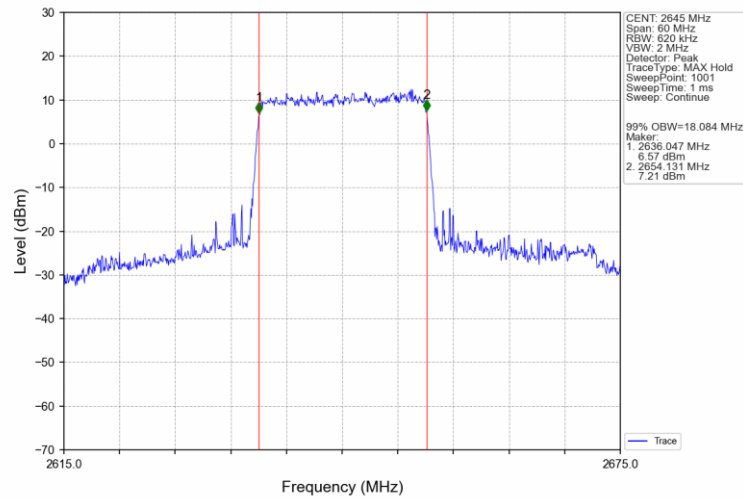
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



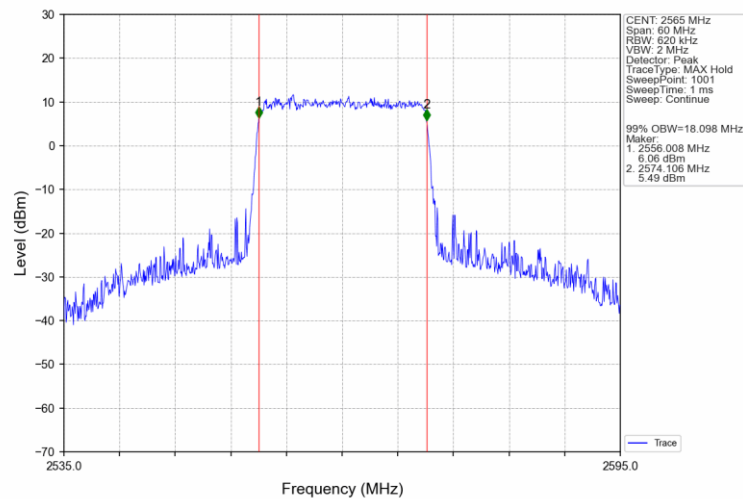
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



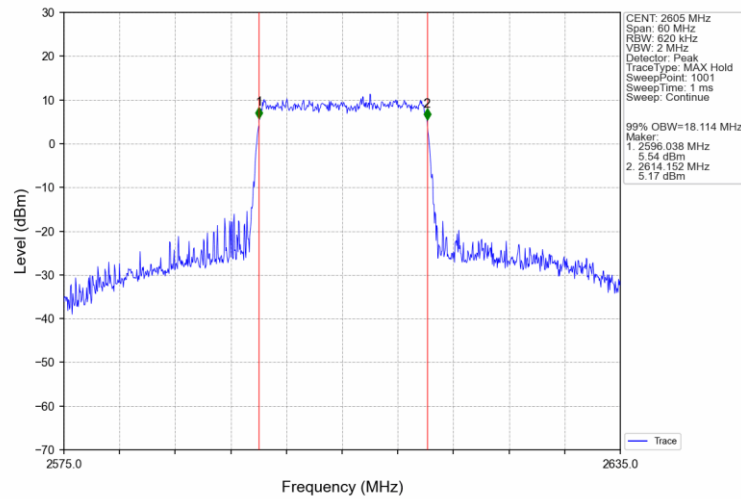
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



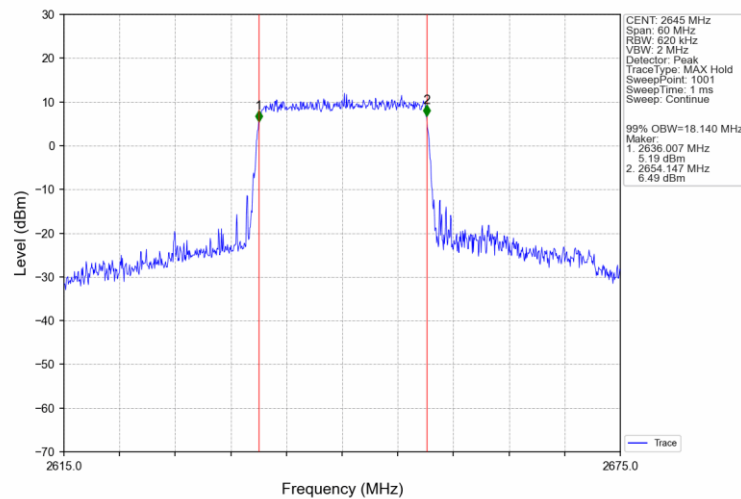
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

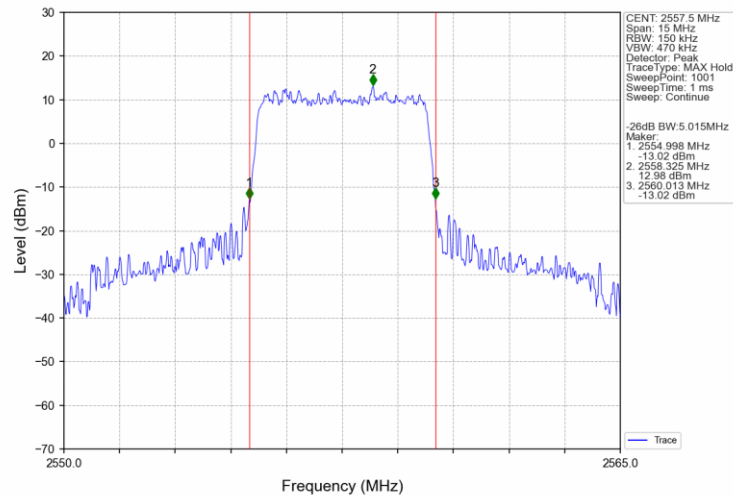


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

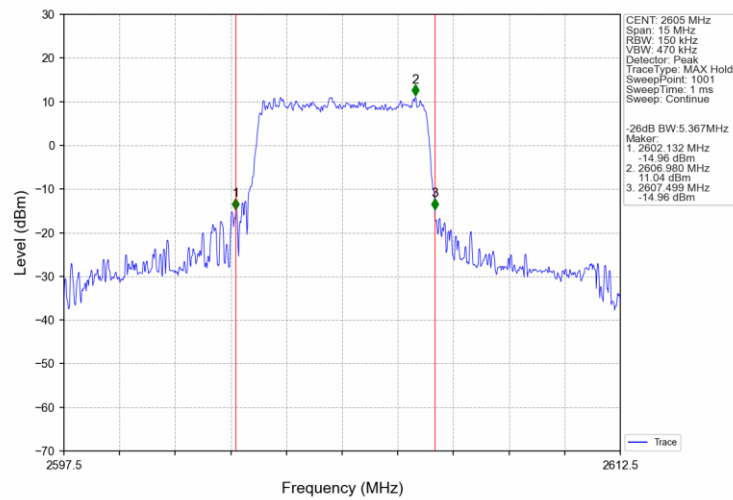


4.2.2 Band41_XDB

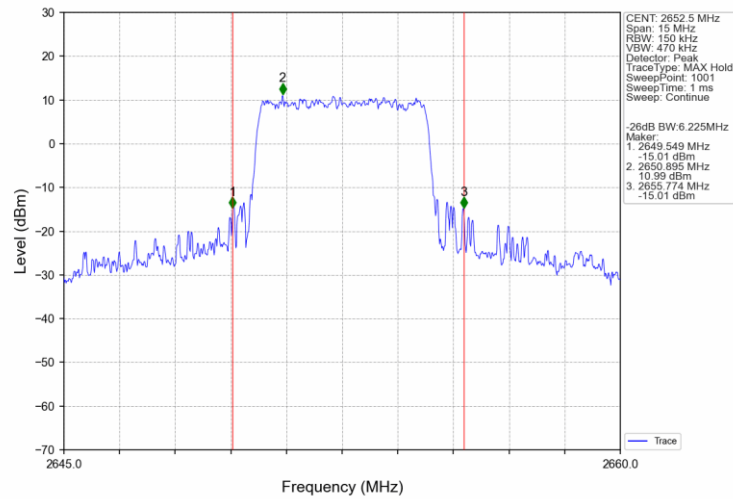
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



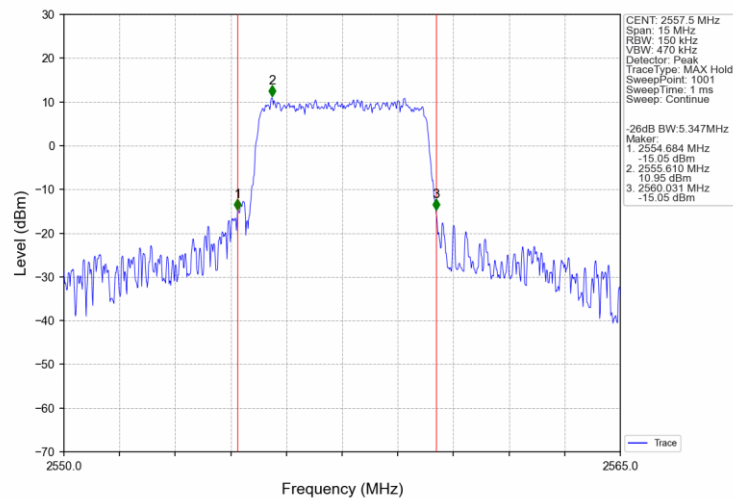
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



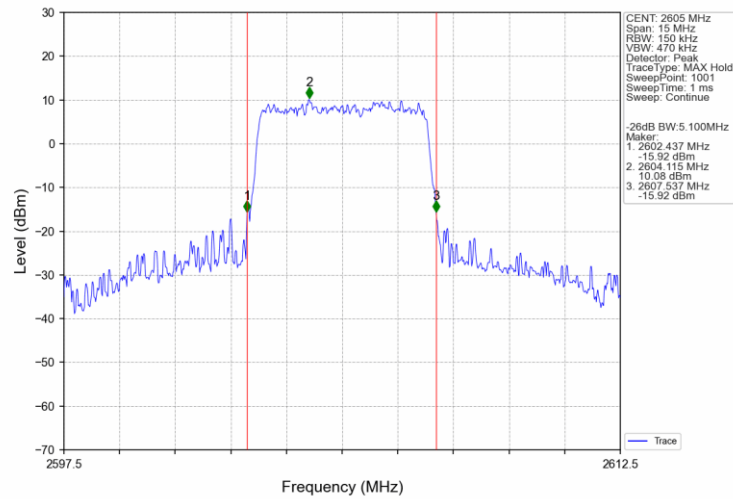
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



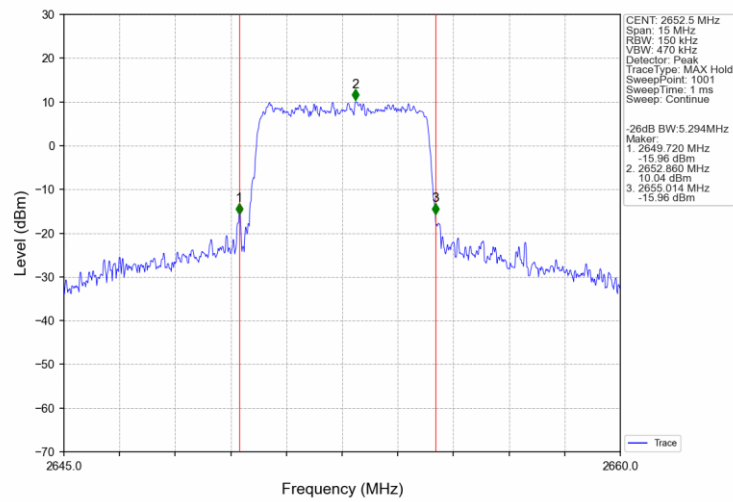
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



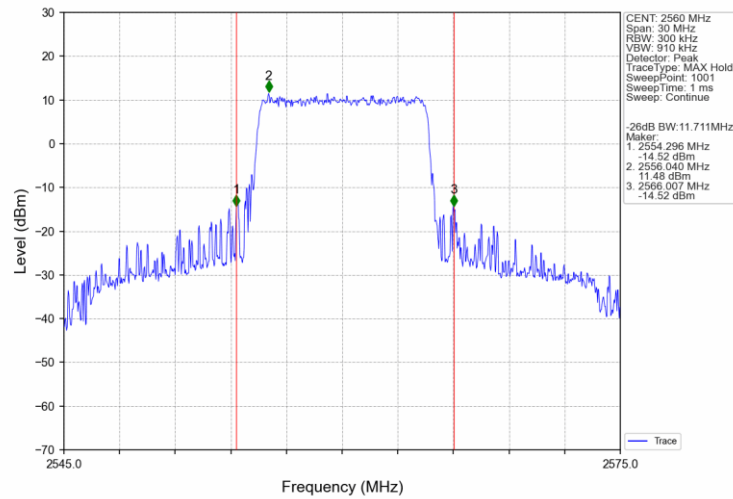
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



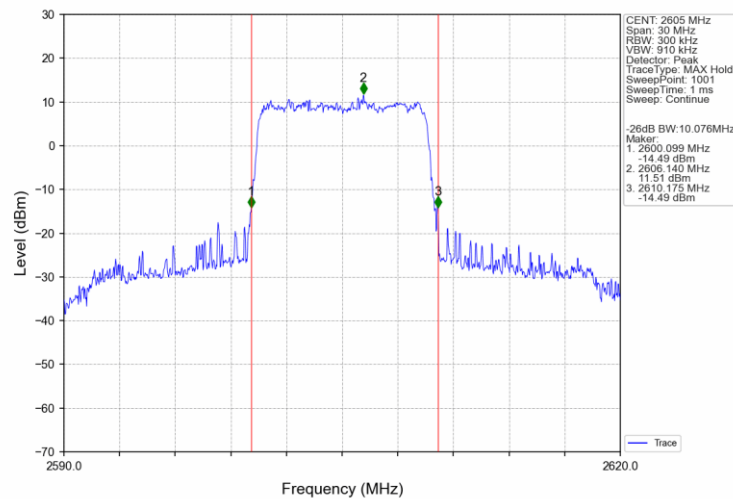
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



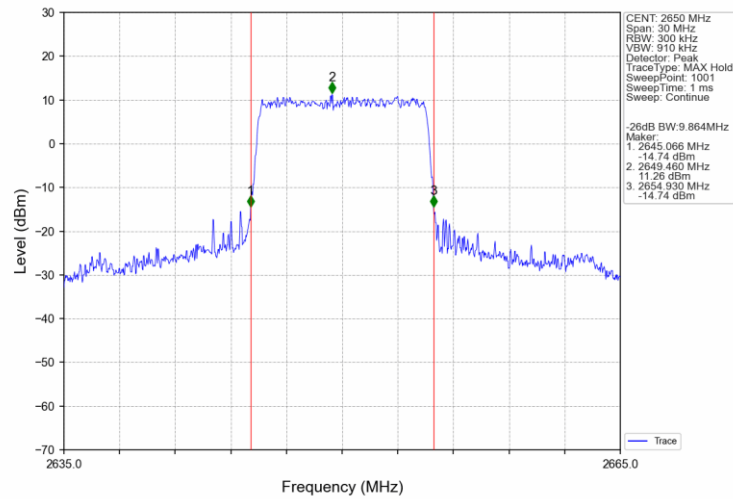
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



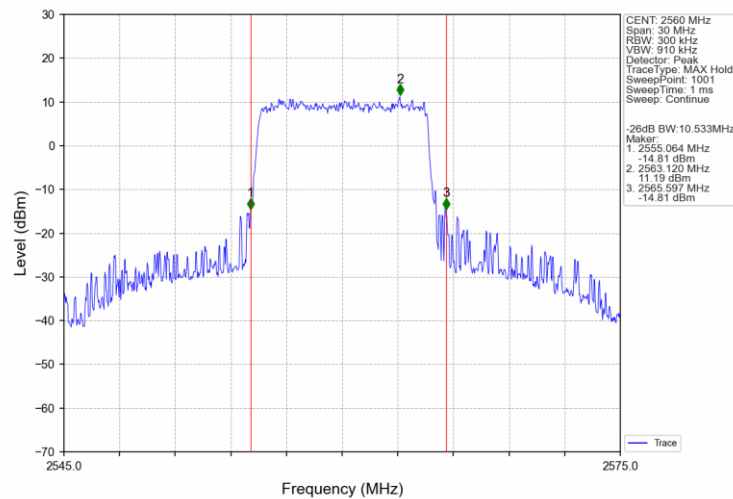
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



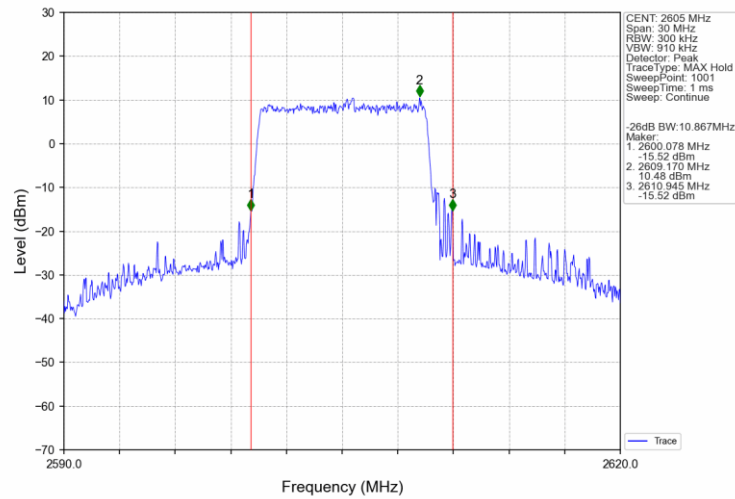
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



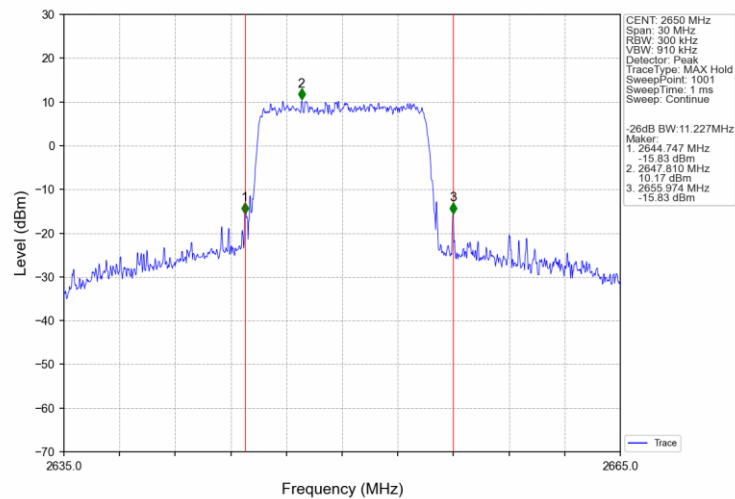
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



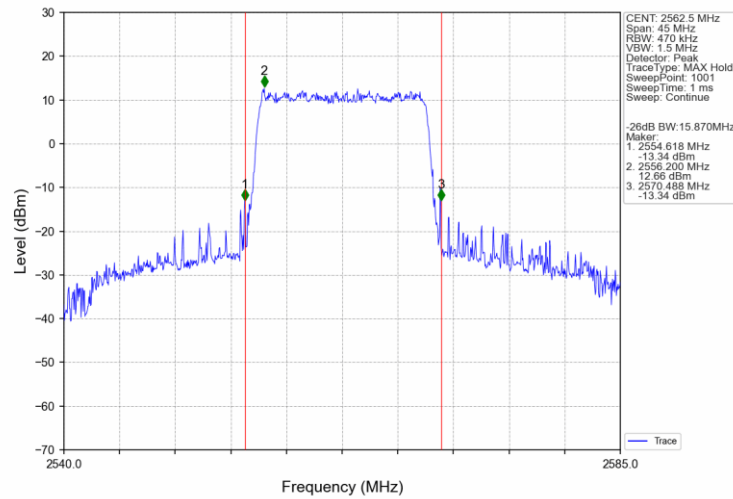
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



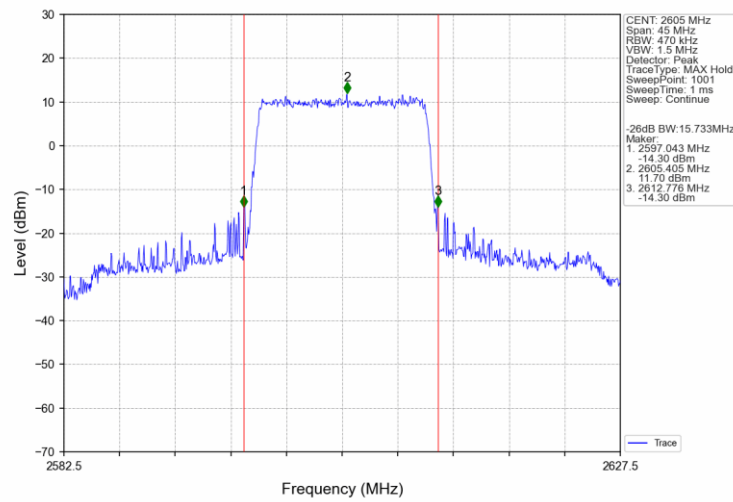
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



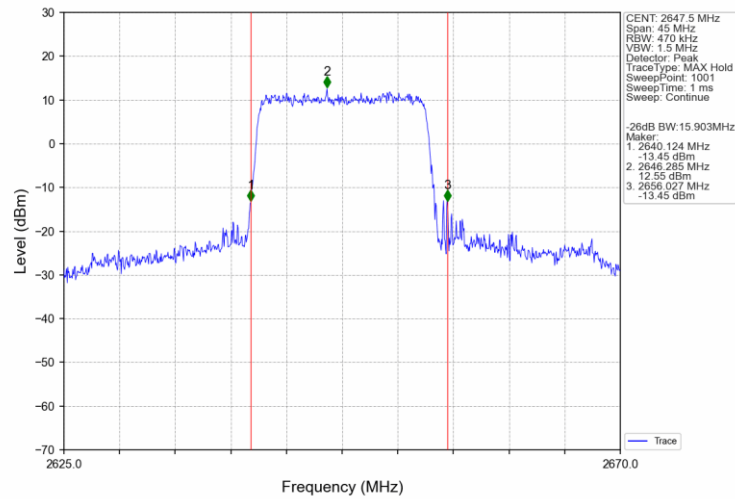
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



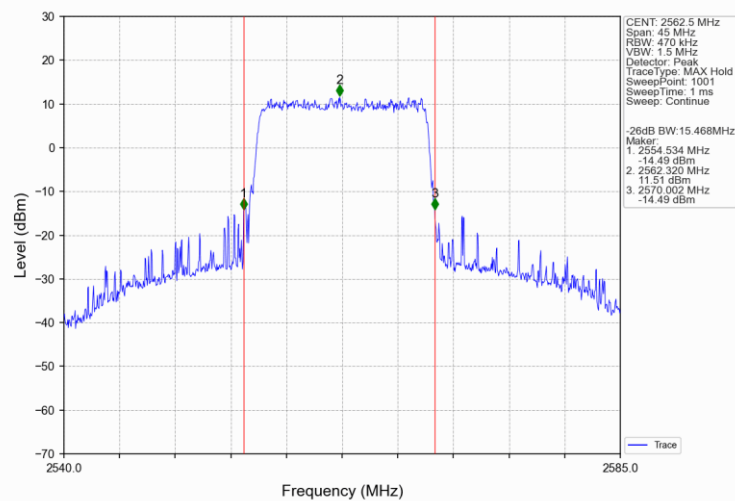
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



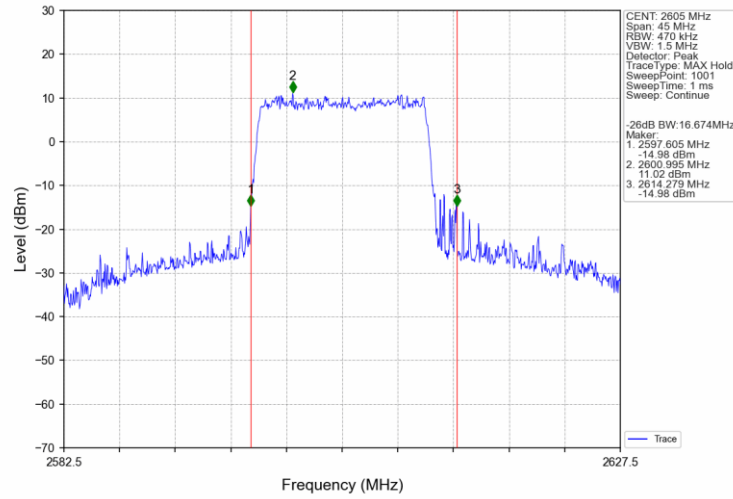
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



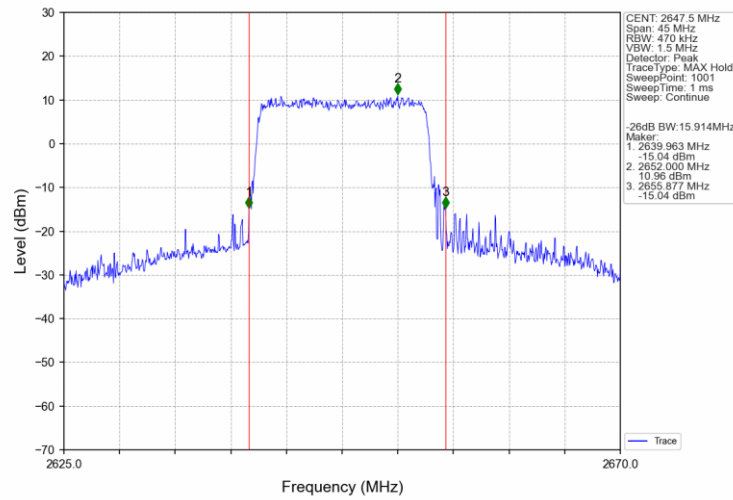
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



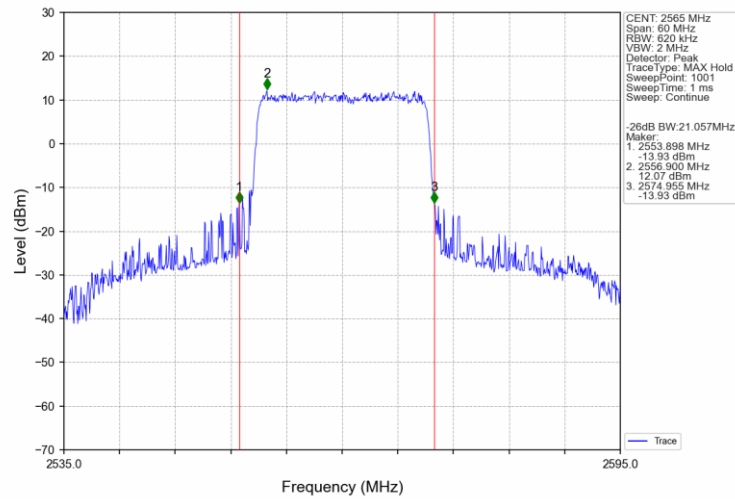
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



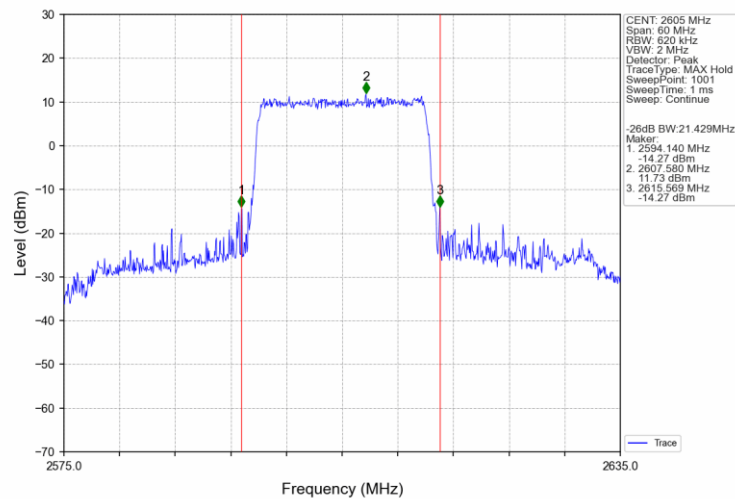
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



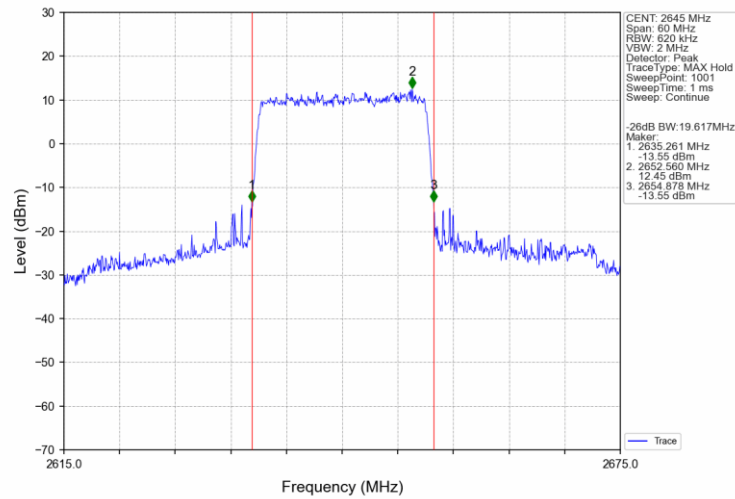
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



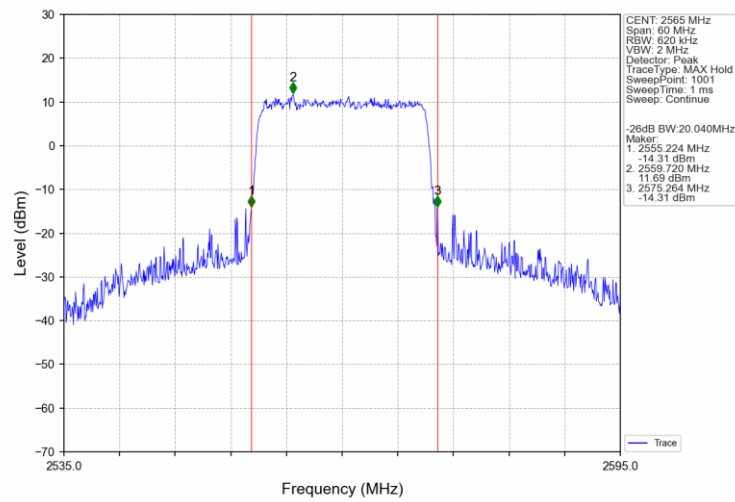
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



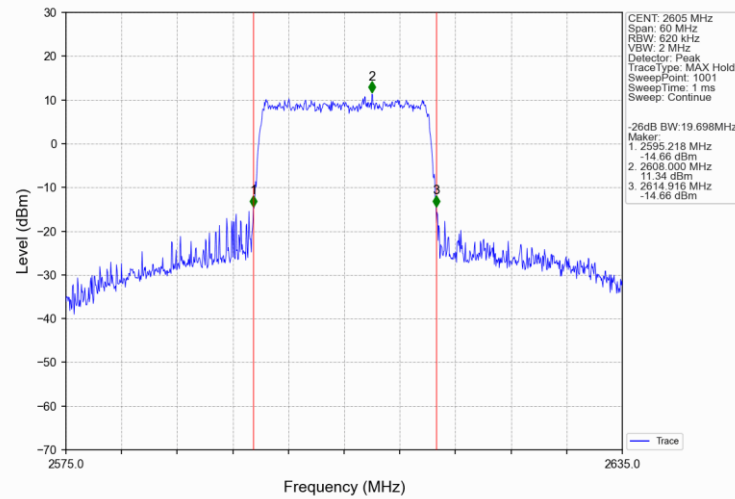
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



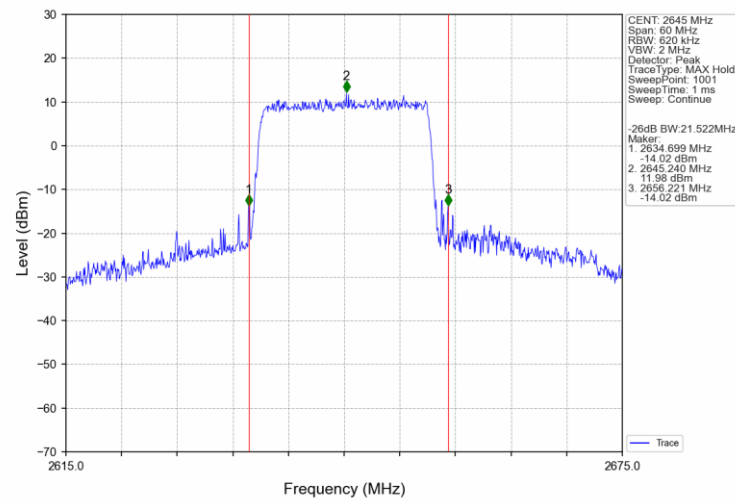
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_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	2557.5	25	0	7.54	<=13	Pass
	2605	25	0	7.64	<=13	Pass
	2652.5	25	0	7.97	<=13	Pass
16QAM	2557.5	25	0	8.09	<=13	Pass
	2605	25	0	8.36	<=13	Pass
	2652.5	25	0	8.58	<=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	2560	50	0	7.39	<=13	Pass
	2605	50	0	7.61	<=13	Pass
	2650	50	0	7.90	<=13	Pass
16QAM	2560	50	0	8.18	<=13	Pass
	2605	50	0	8.46	<=13	Pass
	2650	50	0	8.60	<=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	2562.5	75	0	7.30	<=13	Pass
	2605	75	0	7.28	<=13	Pass
	2647.5	75	0	7.45	<=13	Pass
16QAM	2562.5	75	0	8.06	<=13	Pass
	2605	75	0	8.08	<=13	Pass
	2647.5	75	0	8.35	<=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	2565	100	0	7.71	<=13	Pass
	2605	100	0	7.77	<=13	Pass
	2645	100	0	7.66	<=13	Pass
16QAM	2565	100	0	8.64	<=13	Pass
	2605	100	0	8.55	<=13	Pass
	2645	100	0	8.65	<=13	Pass

5.2 Test Graph

5.2.1 B41_5MHz

