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	23.88	1.48	25.36	<=33.01	Pass
			13	24.00	1.48	25.48	<=33.01	Pass
			24	23.83	1.48	25.31	<=33.01	Pass
		12	0	22.85	1.48	24.33	<=33.01	Pass
			6	22.93	1.48	24.41	<=33.01	Pass
			13	22.85	1.48	24.33	<=33.01	Pass
		25	0	22.93	1.48	24.41	<=33.01	Pass
	2605	1	0	23.62	1.48	25.10	<=33.01	Pass
			13	23.68	1.48	25.16	<=33.01	Pass
			24	23.35	1.48	24.83	<=33.01	Pass
		12	0	22.18	1.48	23.66	<=33.01	Pass
			6	22.07	1.48	23.55	<=33.01	Pass
			13	22.12	1.48	23.60	<=33.01	Pass
		25	0	22.12	1.48	23.60	<=33.01	Pass
	2652.5	1	0	23.27	1.48	24.75	<=33.01	Pass
			13	23.34	1.48	24.82	<=33.01	Pass
			24	23.11	1.48	24.59	<=33.01	Pass
		12	0	22.26	1.48	23.74	<=33.01	Pass
			6	22.27	1.48	23.75	<=33.01	Pass
			13	22.24	1.48	23.72	<=33.01	Pass
		25	0	22.29	1.48	23.77	<=33.01	Pass
16QAM	2557.5	1	0	22.87	1.48	24.35	<=33.01	Pass
			13	22.73	1.48	24.21	<=33.01	Pass
			24	22.92	1.48	24.40	<=33.01	Pass
		12	0	21.89	1.48	23.37	<=33.01	Pass
			6	21.90	1.48	23.38	<=33.01	Pass
			13	21.77	1.48	23.25	<=33.01	Pass
		25	0	21.94	1.48	23.42	<=33.01	Pass
	2605	1	0	22.30	1.48	23.78	<=33.01	Pass
			13	22.09	1.48	23.57	<=33.01	Pass
			24	22.29	1.48	23.77	<=33.01	Pass
		12	0	21.00	1.48	22.48	<=33.01	Pass
			6	21.04	1.48	22.52	<=33.01	Pass
			13	20.97	1.48	22.45	<=33.01	Pass
		25	0	21.19	1.48	22.67	<=33.01	Pass
	2652.5	1	0	22.26	1.48	23.74	<=33.01	Pass
			13	22.30	1.48	23.78	<=33.01	Pass
			24	22.16	1.48	23.64	<=33.01	Pass
		12	0	21.26	1.48	22.74	<=33.01	Pass
			6	21.34	1.48	22.82	<=33.01	Pass
			13	21.16	1.48	22.64	<=33.01	Pass
		25	0	21.32	1.48	22.80	<=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	23.97	1.48	25.45	<=33.01	Pass
			25	24.12	1.48	25.60	<=33.01	Pass
			49	23.67	1.48	25.15	<=33.01	Pass
		25	0	22.49	1.48	23.97	<=33.01	Pass
			13	22.41	1.48	23.89	<=33.01	Pass
			25	22.46	1.48	23.94	<=33.01	Pass
		50	0	22.39	1.48	23.87	<=33.01	Pass
	2605	1	0	23.10	1.48	24.58	<=33.01	Pass
			25	23.22	1.48	24.70	<=33.01	Pass
			49	23.08	1.48	24.56	<=33.01	Pass
		25	0	22.17	1.48	23.65	<=33.01	Pass
			13	22.16	1.48	23.64	<=33.01	Pass
			25	22.08	1.48	23.56	<=33.01	Pass
		50	0	22.19	1.48	23.67	<=33.01	Pass
	2650	1	0	23.32	1.48	24.80	<=33.01	Pass
			25	23.38	1.48	24.86	<=33.01	Pass
			49	23.29	1.48	24.77	<=33.01	Pass
		25	0	22.22	1.48	23.70	<=33.01	Pass
			13	22.23	1.48	23.71	<=33.01	Pass
			25	22.32	1.48	23.80	<=33.01	Pass
		50	0	22.32	1.48	23.80	<=33.01	Pass
16QAM	2560	1	0	22.23	1.48	23.71	<=33.01	Pass
			25	22.42	1.48	23.90	<=33.01	Pass
			49	22.51	1.48	23.99	<=33.01	Pass
		25	0	21.48	1.48	22.96	<=33.01	Pass
			13	21.44	1.48	22.92	<=33.01	Pass
			25	21.46	1.48	22.94	<=33.01	Pass
		50	0	21.43	1.48	22.91	<=33.01	Pass
	2605	1	0	22.31	1.48	23.79	<=33.01	Pass
			25	21.97	1.48	23.45	<=33.01	Pass
			49	22.03	1.48	23.51	<=33.01	Pass
		25	0	21.08	1.48	22.56	<=33.01	Pass
			13	21.17	1.48	22.65	<=33.01	Pass
			25	21.21	1.48	22.69	<=33.01	Pass
		50	0	21.09	1.48	22.57	<=33.01	Pass
	2650	1	0	22.11	1.48	23.59	<=33.01	Pass
			25	22.33	1.48	23.81	<=33.01	Pass
			49	22.10	1.48	23.58	<=33.01	Pass
		25	0	21.36	1.48	22.84	<=33.01	Pass
			13	21.32	1.48	22.80	<=33.01	Pass
			25	21.29	1.48	22.77	<=33.01	Pass
		50	0	21.34	1.48	22.82	<=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	1.48	24.85	<=33.01	Pass
			38	23.43	1.48	24.91	<=33.01	Pass
			74	23.34	1.48	24.82	<=33.01	Pass
		36	0	22.42	1.48	23.90	<=33.01	Pass
			18	22.43	1.48	23.91	<=33.01	Pass
			39	22.39	1.48	23.87	<=33.01	Pass
		75	0	22.39	1.48	23.87	<=33.01	Pass

	2605	1	0	22.96	1.48	24.44	<=33.01	Pass
			38	23.14	1.48	24.62	<=33.01	Pass
			74	23.00	1.48	24.48	<=33.01	Pass
		36	0	22.10	1.48	23.58	<=33.01	Pass
			18	22.12	1.48	23.60	<=33.01	Pass
			39	22.19	1.48	23.67	<=33.01	Pass
		75	0	22.20	1.48	23.68	<=33.01	Pass
	2647.5	1	0	23.29	1.48	24.77	<=33.01	Pass
			38	23.23	1.48	24.71	<=33.01	Pass
			74	23.03	1.48	24.51	<=33.01	Pass
		36	0	22.28	1.48	23.76	<=33.01	Pass
			18	22.19	1.48	23.67	<=33.01	Pass
			39	22.16	1.48	23.64	<=33.01	Pass
		75	0	22.19	1.48	23.67	<=33.01	Pass
16QAM	2562.5	1	0	22.37	1.48	23.85	<=33.01	Pass
			38	22.48	1.48	23.96	<=33.01	Pass
			74	22.36	1.48	23.84	<=33.01	Pass
		36	0	21.37	1.48	22.85	<=33.01	Pass
			18	21.42	1.48	22.90	<=33.01	Pass
			39	21.40	1.48	22.88	<=33.01	Pass
		75	0	21.47	1.48	22.95	<=33.01	Pass
	2605	1	0	21.90	1.48	23.38	<=33.01	Pass
			38	22.45	1.48	23.93	<=33.01	Pass
			74	21.80	1.48	23.28	<=33.01	Pass
		36	0	21.23	1.48	22.71	<=33.01	Pass
			18	21.19	1.48	22.67	<=33.01	Pass
			39	21.08	1.48	22.56	<=33.01	Pass
		75	0	21.13	1.48	22.61	<=33.01	Pass
	2647.5	1	0	22.01	1.48	23.49	<=33.01	Pass
			38	22.11	1.48	23.59	<=33.01	Pass
			74	21.97	1.48	23.45	<=33.01	Pass
		36	0	21.19	1.48	22.67	<=33.01	Pass
			18	21.22	1.48	22.70	<=33.01	Pass
			39	21.20	1.48	22.68	<=33.01	Pass
		75	0	21.25	1.48	22.73	<=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	23.25	1.48	24.73	<=33.01	Pass
			50	23.72	1.48	25.20	<=33.01	Pass
			99	23.15	1.48	24.63	<=33.01	Pass
		50	0	22.33	1.48	23.81	<=33.01	Pass
			25	22.34	1.48	23.82	<=33.01	Pass
			50	22.35	1.48	23.83	<=33.01	Pass
		100	0	22.29	1.48	23.77	<=33.01	Pass
	2605	1	0	22.80	1.48	24.28	<=33.01	Pass
			50	23.31	1.48	24.79	<=33.01	Pass
			99	22.94	1.48	24.42	<=33.01	Pass
		50	0	22.04	1.48	23.52	<=33.01	Pass
			25	22.06	1.48	23.54	<=33.01	Pass
			50	22.04	1.48	23.52	<=33.01	Pass
		100	0	22.04	1.48	23.52	<=33.01	Pass
	2645	1	0	23.00	1.48	24.48	<=33.01	Pass
			50	23.30	1.48	24.78	<=33.01	Pass

			99	22.79	1.48	24.27	<=33.01	Pass
		50	0	22.09	1.48	23.57	<=33.01	Pass
			25	22.31	1.48	23.79	<=33.01	Pass
			50	22.27	1.48	23.75	<=33.01	Pass
		100	0	22.20	1.48	23.68	<=33.01	Pass
16QAM	2565	1	0	22.17	1.48	23.65	<=33.01	Pass
			50	22.91	1.48	24.39	<=33.01	Pass
			99	22.42	1.48	23.90	<=33.01	Pass
		50	0	21.37	1.48	22.85	<=33.01	Pass
			25	21.38	1.48	22.86	<=33.01	Pass
			50	21.39	1.48	22.87	<=33.01	Pass
		100	0	21.33	1.48	22.81	<=33.01	Pass
	2605	1	0	21.89	1.48	23.37	<=33.01	Pass
			50	21.77	1.48	23.25	<=33.01	Pass
			99	21.37	1.48	22.85	<=33.01	Pass
		50	0	21.12	1.48	22.60	<=33.01	Pass
			25	21.18	1.48	22.66	<=33.01	Pass
			50	21.12	1.48	22.60	<=33.01	Pass
		100	0	21.07	1.48	22.55	<=33.01	Pass
	2645	1	0	22.08	1.48	23.56	<=33.01	Pass
			50	22.00	1.48	23.48	<=33.01	Pass
			99	21.82	1.48	23.30	<=33.01	Pass
		50	0	21.28	1.48	22.76	<=33.01	Pass
			25	21.30	1.48	22.78	<=33.01	Pass
			50	21.36	1.48	22.84	<=33.01	Pass
		100	0	21.17	1.48	22.65	<=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	-18.096	-0.0071	-2.5 to 2.5	Pass
					3.85	-23.975	-0.0094	-2.5 to 2.5	Pass
					4.43	-7.224	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-29.383	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-18.740	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-15.807	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-8.082	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-15.721	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-0.787	-0.0003	-2.5 to 2.5	Pass
					3.85	-26.808	-0.0103	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-15.635	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-17.023	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-9.484	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-14.520	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-15.764	-0.0061	-2.5 to 2.5	Pass

				30	3.85	-8.655	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-12.531	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	15.264	0.0058	-2.5 to 2.5	Pass
					3.85	2.303	0.0009	-2.5 to 2.5	Pass
					4.43	1.488	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0008	-2.5 to 2.5	Pass
				-20	3.85	8.984	0.0034	-2.5 to 2.5	Pass
				-10	3.85	16.723	0.0063	-2.5 to 2.5	Pass
				0	3.85	9.184	0.0035	-2.5 to 2.5	Pass
				10	3.85	19.856	0.0075	-2.5 to 2.5	Pass
				30	3.85	10.085	0.0038	-2.5 to 2.5	Pass
				40	3.85	19.555	0.0074	-2.5 to 2.5	Pass
				50	3.85	9.642	0.0036	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-26.622	-0.0104	-2.5 to 2.5	Pass
					3.85	-21.014	-0.0082	-2.5 to 2.5	Pass
					4.43	-16.751	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-22.030	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-18.096	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-21.343	-0.0083	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0011	-2.5 to 2.5	Pass
				30	3.85	-7.496	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-15.292	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-18.253	-0.0071	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-12.789	-0.0049	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	-13.618	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-15.249	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-18.353	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-9.727	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-16.165	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-13.289	-0.0051	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	5.836	0.0022	-2.5 to 2.5	Pass
					3.85	7.868	0.0030	-2.5 to 2.5	Pass
					4.43	1.760	0.0007	-2.5 to 2.5	Pass
				-30	3.85	12.503	0.0047	-2.5 to 2.5	Pass
				-20	3.85	7.110	0.0027	-2.5 to 2.5	Pass
				-10	3.85	20.914	0.0079	-2.5 to 2.5	Pass
				0	3.85	17.295	0.0065	-2.5 to 2.5	Pass
				10	3.85	29.340	0.0111	-2.5 to 2.5	Pass
				30	3.85	12.832	0.0048	-2.5 to 2.5	Pass
				40	3.85	20.213	0.0076	-2.5 to 2.5	Pass
				50	3.85	13.819	0.0052	-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	-13.032	-0.0051	-2.5 to 2.5	Pass
					3.85	-12.746	-0.0050	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-10.743	-0.0042	-2.5 to 2.5	Pass

				-10	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				0	3.85	-13.833	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-11.816	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-16.594	-0.0065	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				50	3.85	-12.288	-0.0048	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-1.159	-0.0004	-2.5 to 2.5	Pass
					3.85	-13.261	-0.0051	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-21.586	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-11.630	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-13.647	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.994	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-12.360	-0.0047	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-6.895	-0.0026	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
					4.43	-8.497	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-13.275	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-10.157	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.954	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-10.228	-0.0039	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	-10.514	-0.0041	-2.5 to 2.5	Pass
					3.85	-8.240	-0.0032	-2.5 to 2.5	Pass
					4.43	-9.770	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.475	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-12.803	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-11.158	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.254	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-2.675	-0.0010	-2.5 to 2.5	Pass
					3.85	-8.268	-0.0032	-2.5 to 2.5	Pass
					4.43	-11.430	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-10.099	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-8.140	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-10.986	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.433	-0.0013	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-4.091	-0.0015	-2.5 to 2.5	Pass
					3.85	-11.301	-0.0043	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-7.925	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-19.212	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass

				40	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-17.338	-0.0065	-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	-9.770	-0.0038	-2.5 to 2.5	Pass
					3.85	0.243	0.0001	-2.5 to 2.5	Pass
					4.43	-12.703	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-18.339	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-11.616	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-12.631	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-8.583	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	0.472	0.0002	-2.5 to 2.5	Pass
					3.85	-13.947	-0.0054	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-14.334	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-12.732	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-11.287	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-9.756	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-9.799	-0.0038	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	1.431	0.0005	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0021	-2.5 to 2.5	Pass
					4.43	-13.475	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	6.008	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-17.323	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-6.094	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-10.099	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-17.982	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0006	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-10.815	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.636	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	5.951	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-12.102	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-11.573	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-8.683	-0.0034	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	0.415	0.0002	-2.5 to 2.5	Pass
					3.85	-14.048	-0.0054	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-14.348	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-4.549	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0028	-2.5 to 2.5	Pass

				0	3.85	-21.086	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.881	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-8.411	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-8.984	-0.0034	-2.5 to 2.5	Pass
					3.85	-17.452	-0.0066	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-9.041	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-12.689	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-9.384	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-10.228	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-8.640	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-6.695	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0021	-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	-2.189	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0006	-2.5 to 2.5	Pass
					4.43	-15.435	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-13.933	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-20.056	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-9.985	-0.0039	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-15.922	-0.0061	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
					4.43	-8.655	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-10.271	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-12.145	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-9.499	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-17.281	-0.0066	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-14.963	-0.0057	-2.5 to 2.5	Pass
					3.85	-11.630	-0.0044	-2.5 to 2.5	Pass
					4.43	-3.161	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-11.230	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-9.642	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-8.712	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-5.436	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-9.055	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-8.426	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-10.085	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-10.715	-0.0041	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-2.174	-0.0008	-2.5 to 2.5	Pass
					3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
					4.43	-10.672	-0.0042	-2.5 to 2.5	Pass

				-30	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-14.734	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-15.750	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-9.370	-0.0037	-2.5 to 2.5	Pass
				30	3.85	4.649	0.0018	-2.5 to 2.5	Pass
				40	3.85	-10.471	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0021	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-11.187	-0.0043	-2.5 to 2.5	Pass
					3.85	-19.913	-0.0076	-2.5 to 2.5	Pass
					4.43	-15.779	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-13.132	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-12.317	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-15.893	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-17.152	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-15.407	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-11.058	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-11.702	-0.0045	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-16.108	-0.0061	-2.5 to 2.5	Pass
					3.85	-10.843	-0.0041	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-7.854	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-16.351	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-7.210	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-15.378	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-6.309	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-10.457	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0027	-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

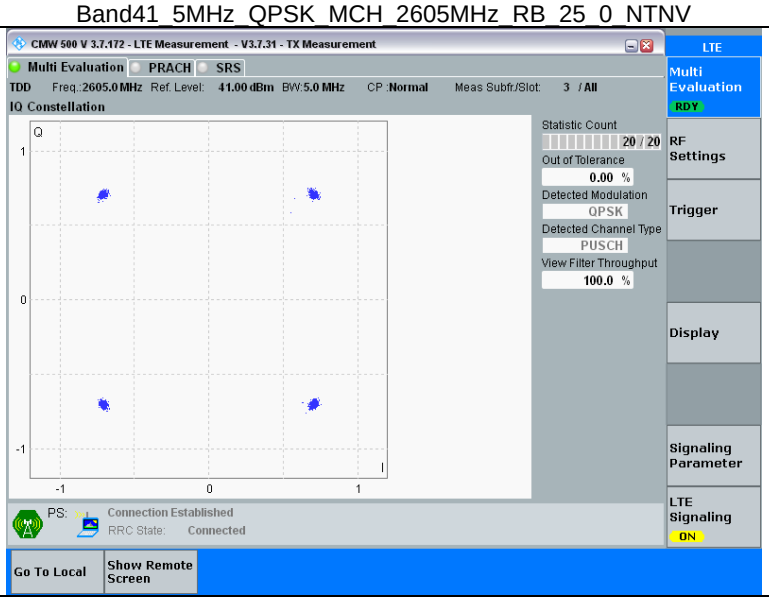
3.1.4 B41_20MHz

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

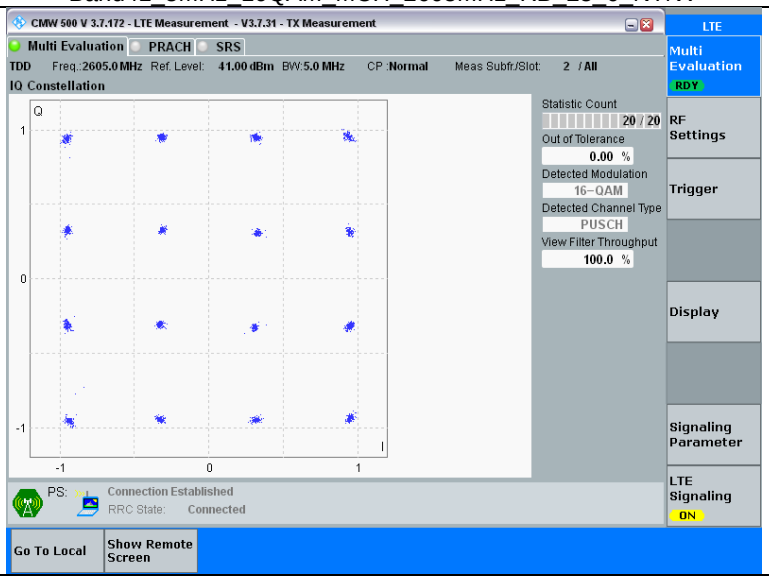
3.2 Test Graph

3.2.1 B41_5MHz

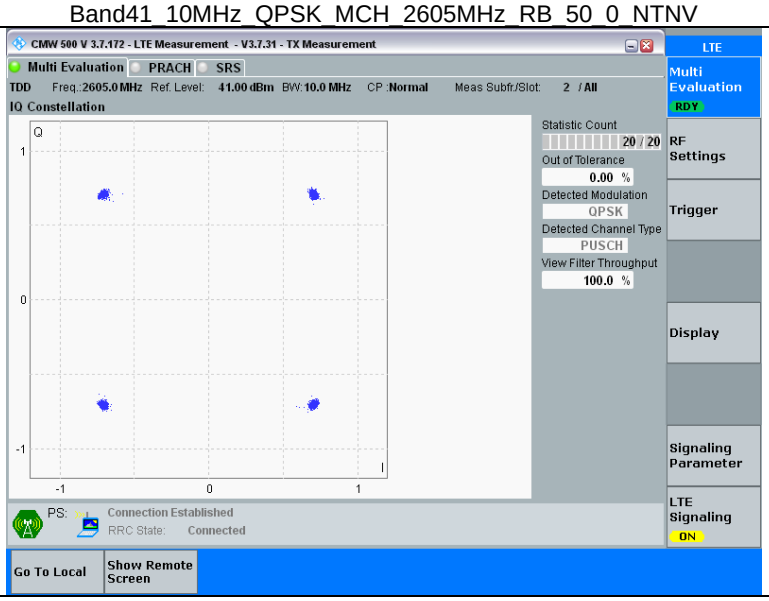
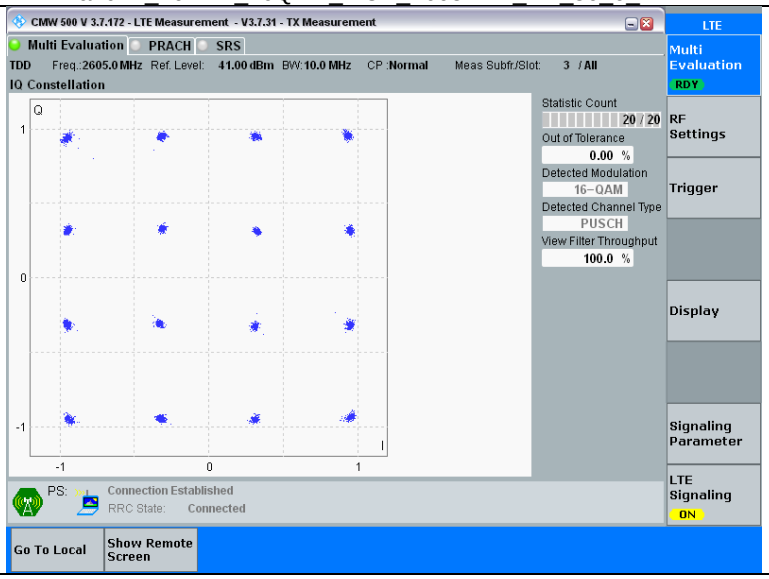
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



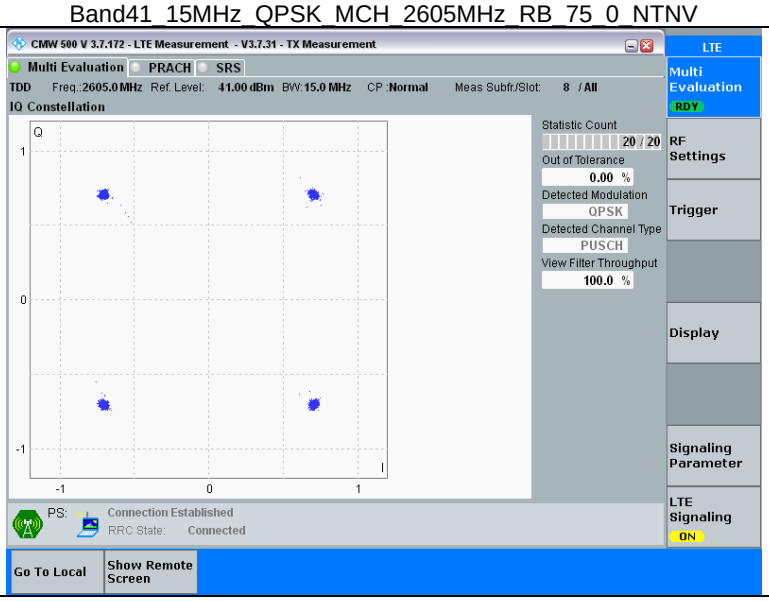
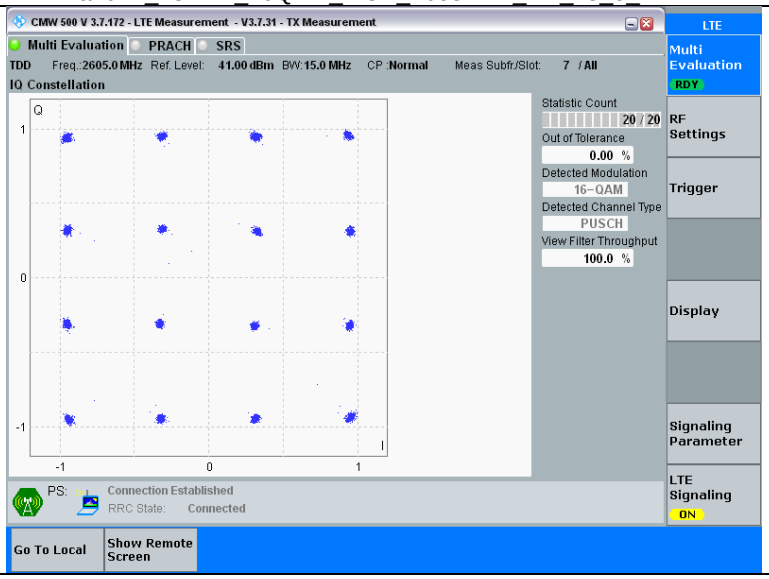
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



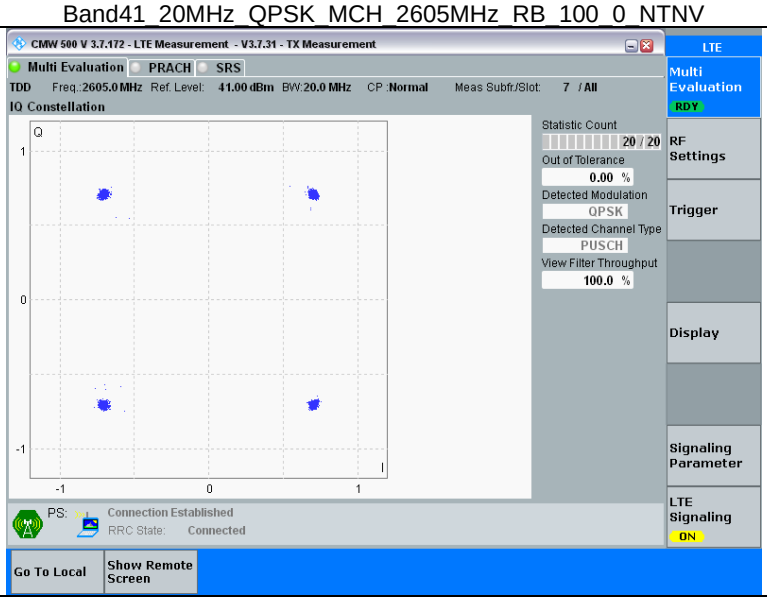
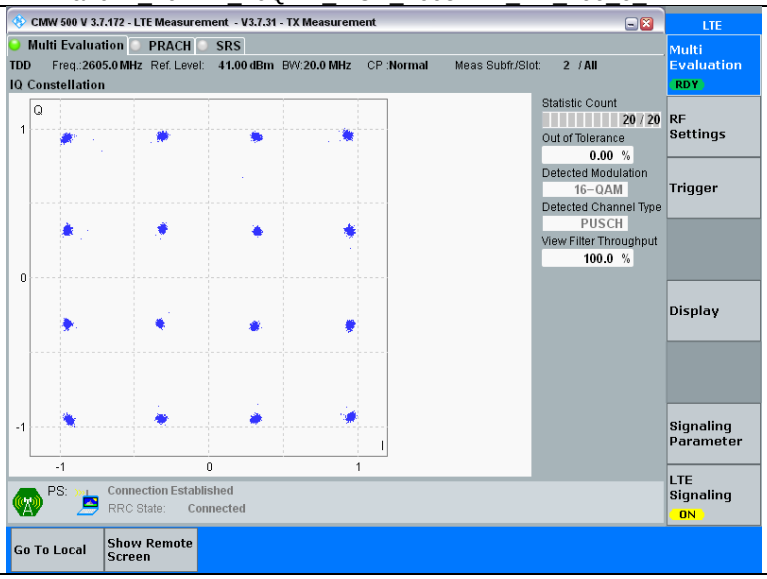
3.2.2 B41_10MHz

Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV

Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV


3.2.3 B41_15MHz

Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV

Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV


3.2.4 B41_20MHz

Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV

Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV


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	4.544	/	Pass
		2605	25	0	4.552	/	Pass
		2652.5	25	0	4.541	/	Pass
	16QAM	2557.5	25	0	4.539	/	Pass
		2605	25	0	4.571	/	Pass
		2652.5	25	0	4.542	/	Pass
10	QPSK	2560	50	0	9.065	/	Pass
		2605	50	0	9.082	/	Pass
		2650	50	0	9.079	/	Pass
	16QAM	2560	50	0	9.101	/	Pass
		2605	50	0	9.073	/	Pass
		2650	50	0	9.066	/	Pass
15	QPSK	2562.5	75	0	13.573	/	Pass
		2605	75	0	13.632	/	Pass
		2647.5	75	0	13.574	/	Pass
	16QAM	2562.5	75	0	13.594	/	Pass
		2605	75	0	13.605	/	Pass
		2647.5	75	0	13.651	/	Pass
20	QPSK	2565	100	0	18.079	/	Pass
		2605	100	0	18.100	/	Pass
		2645	100	0	18.168	/	Pass
	16QAM	2565	100	0	18.127	/	Pass
		2605	100	0	18.114	/	Pass
		2645	100	0	18.071	/	Pass

4.1.2 Band41_XDB

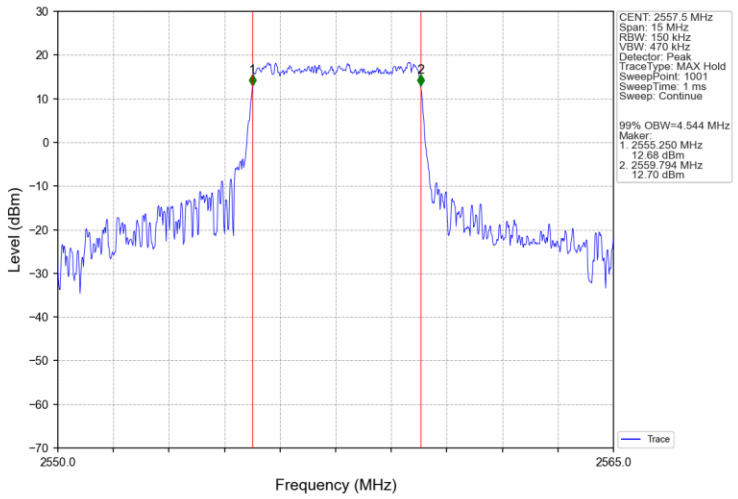
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.252	/	Pass
		2605	25	0	5.082	/	Pass
		2652.5	25	0	5.000	/	Pass
	16QAM	2557.5	25	0	5.143	/	Pass
		2605	25	0	5.257	/	Pass
		2652.5	25	0	5.064	/	Pass
10	QPSK	2560	50	0	9.939	/	Pass
		2605	50	0	10.201	/	Pass
		2650	50	0	10.311	/	Pass
	16QAM	2560	50	0	10.294	/	Pass
		2605	50	0	10.997	/	Pass
		2650	50	0	9.965	/	Pass
15	QPSK	2562.5	75	0	15.353	/	Pass
		2605	75	0	16.159	/	Pass
		2647.5	75	0	15.527	/	Pass

	16QAM	2562.5	75	0	15.631	/	Pass
		2605	75	0	15.968	/	Pass
		2647.5	75	0	17.726	/	Pass
20	QPSK	2565	100	0	21.161	/	Pass
		2605	100	0	19.743	/	Pass
		2645	100	0	20.566	/	Pass
	16QAM	2565	100	0	21.433	/	Pass
		2605	100	0	20.430	/	Pass
		2645	100	0	20.884	/	Pass

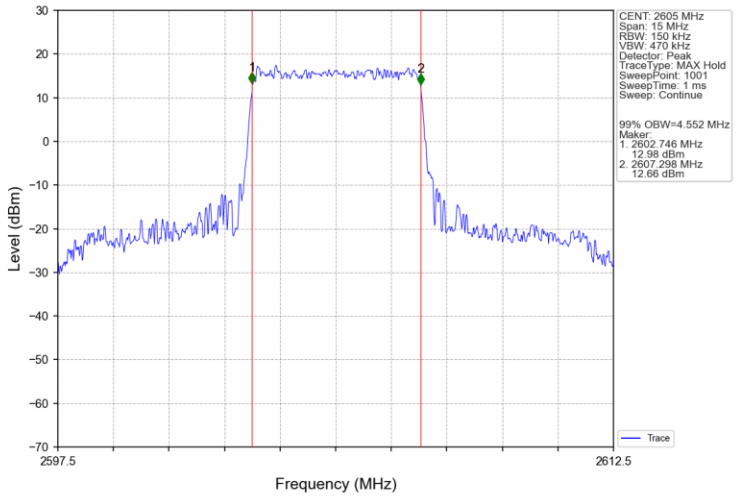
4.2 Test Graph

4.2.1 Band41_OBW

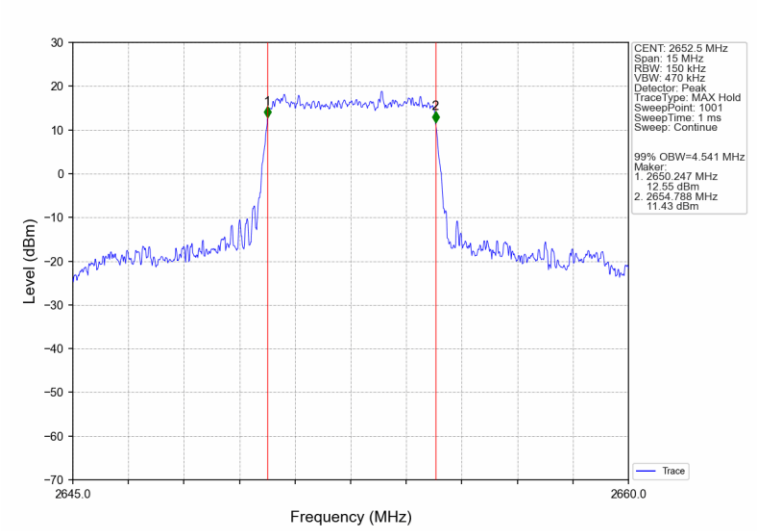
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



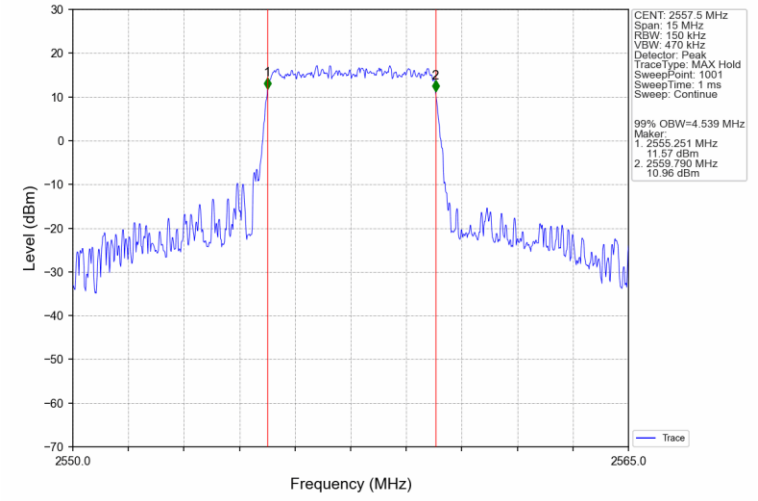
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



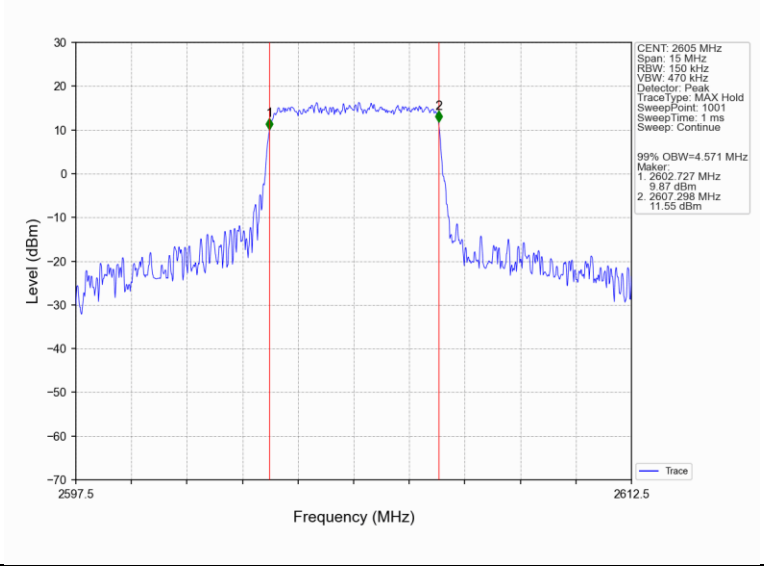
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



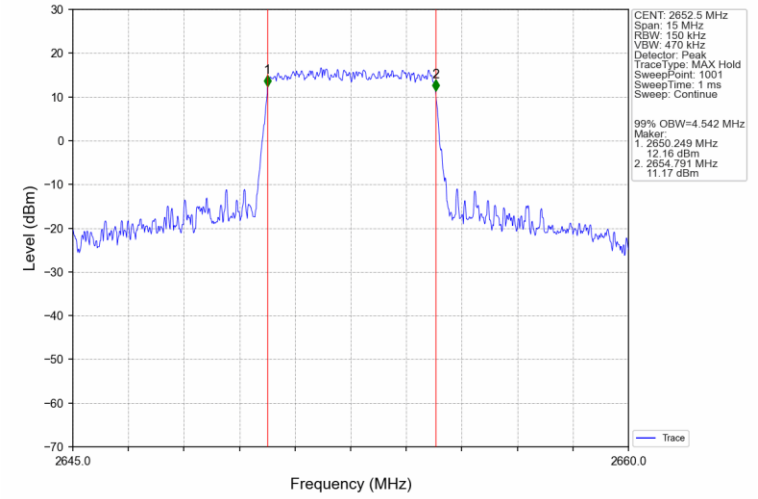
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



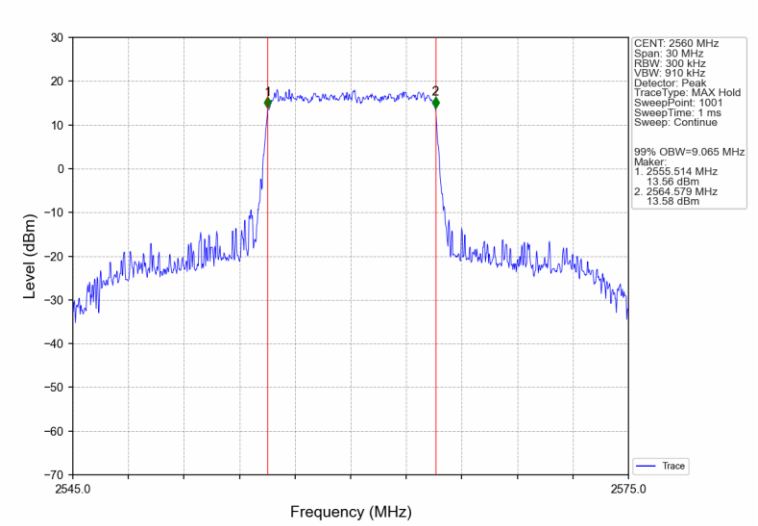
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



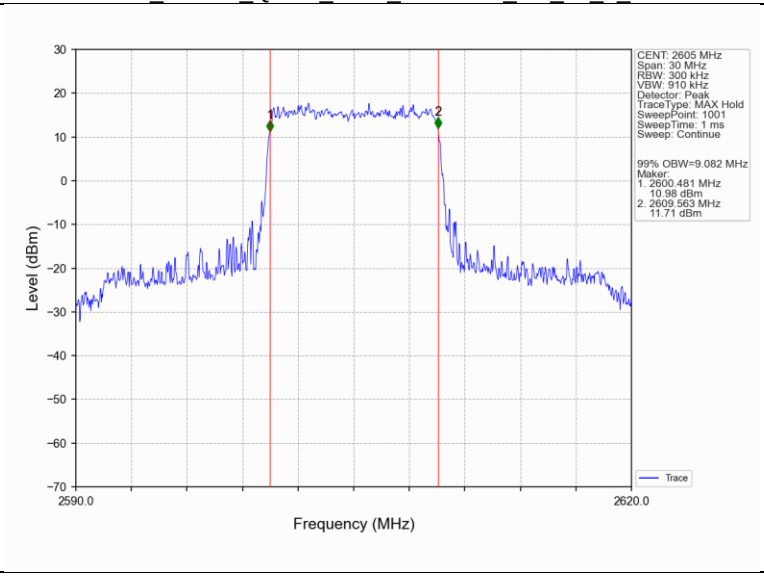
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



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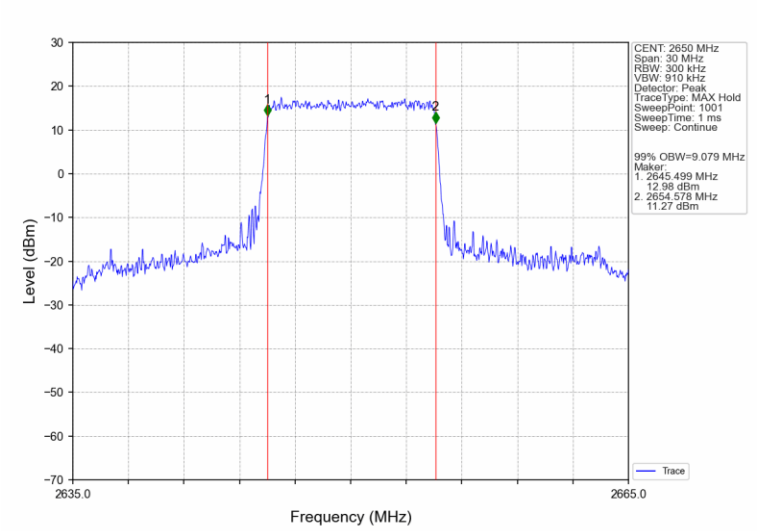
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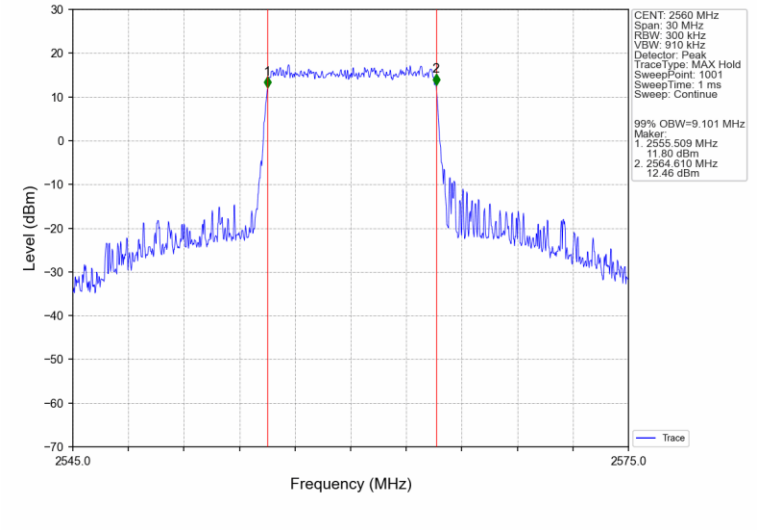
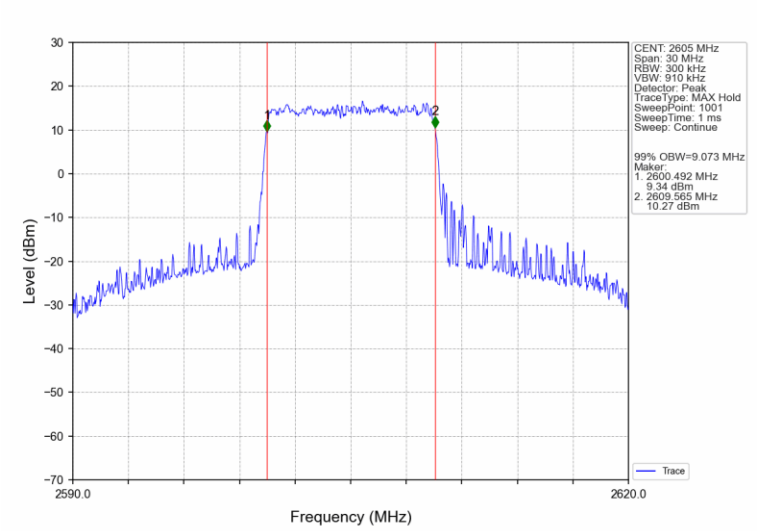
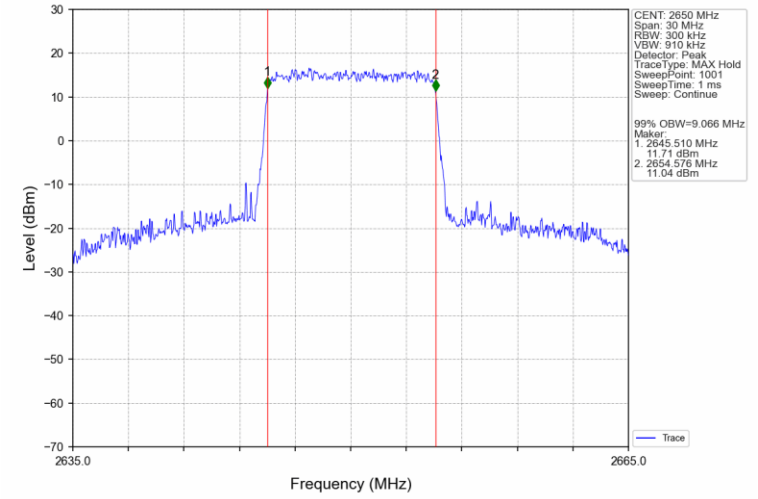
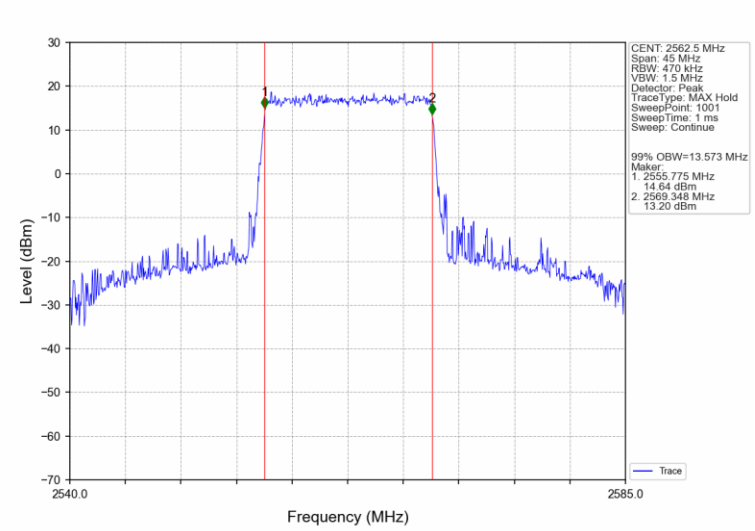
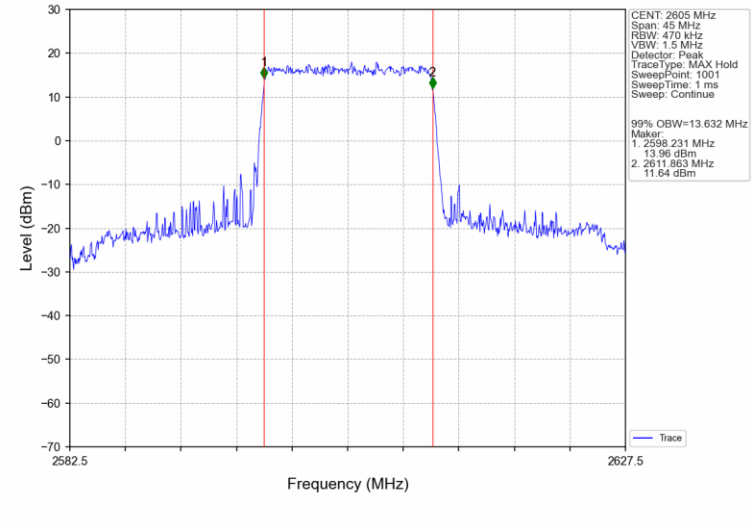


Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV

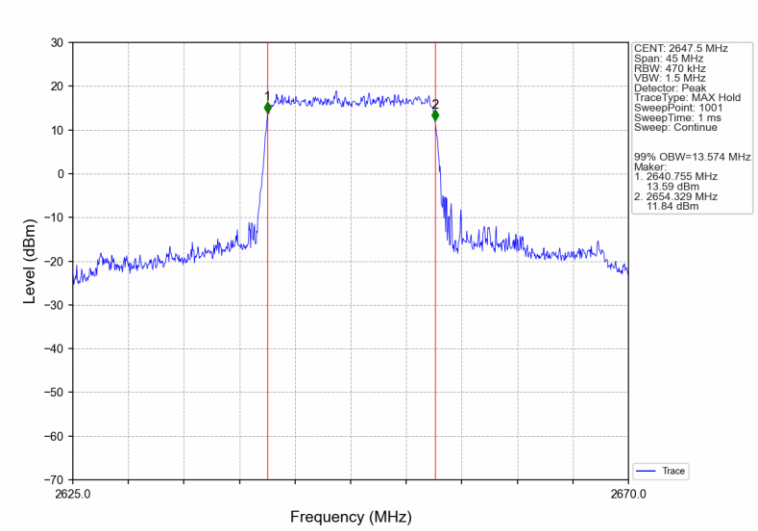


Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV

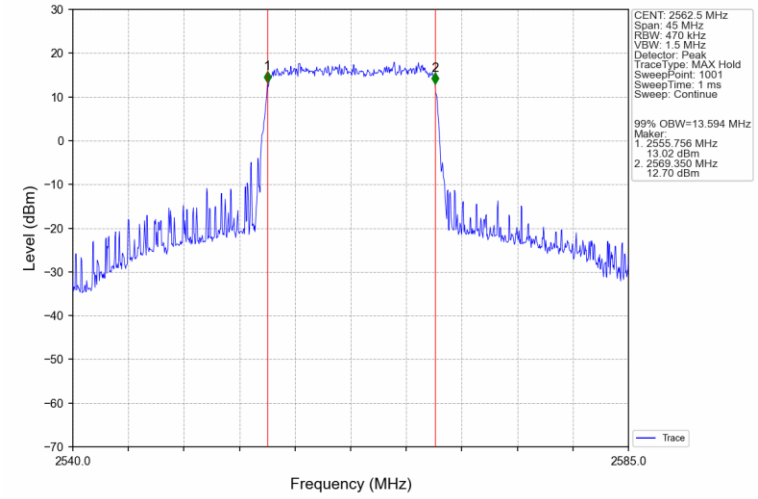


Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV

Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV


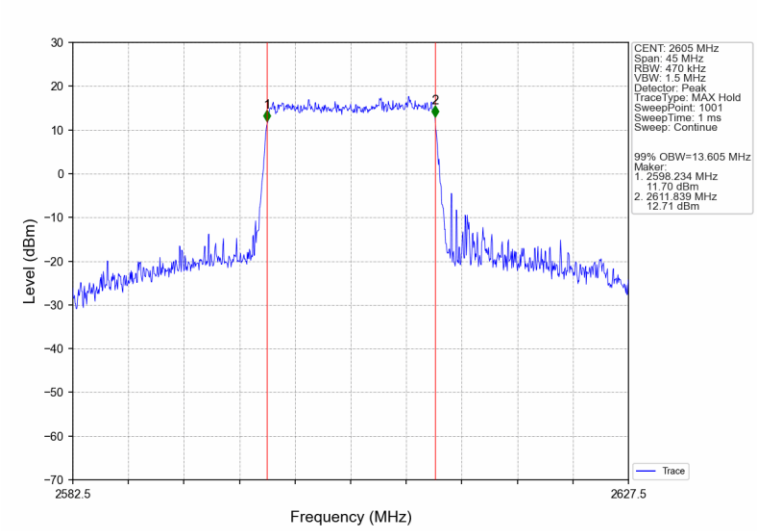
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



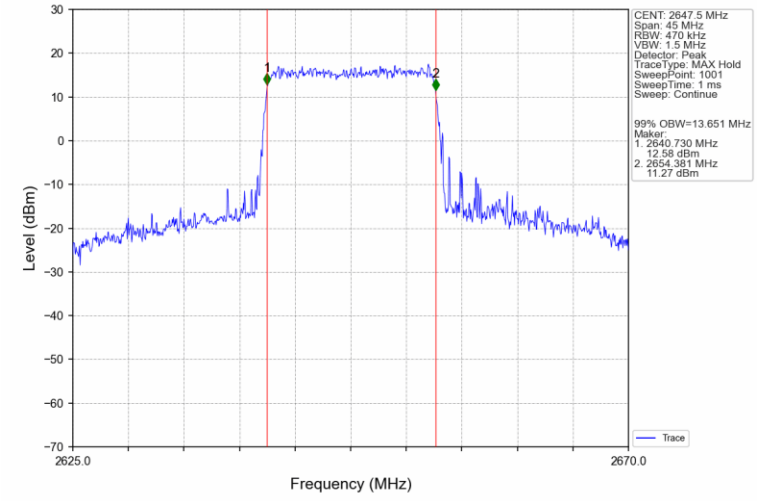
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



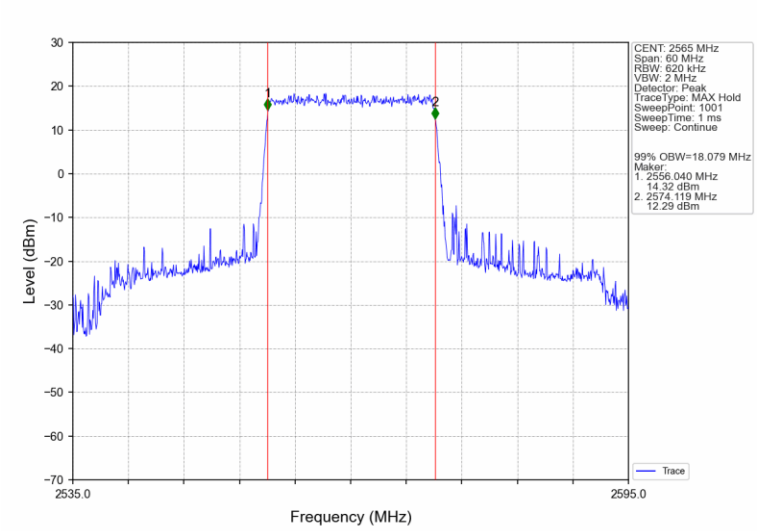
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



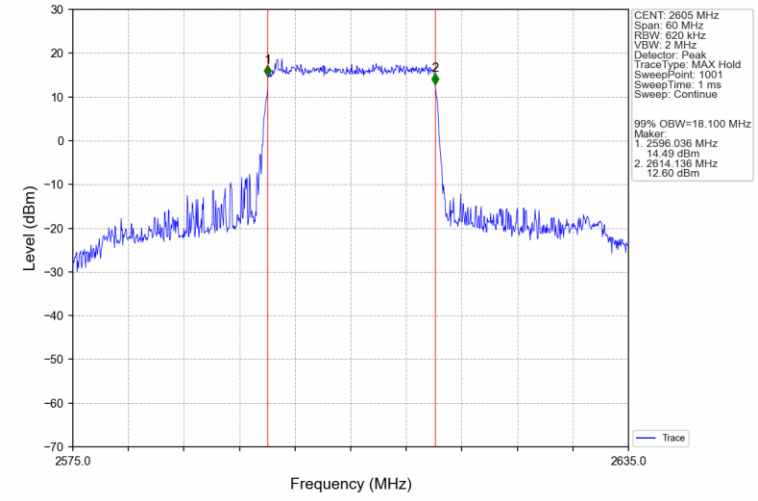
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



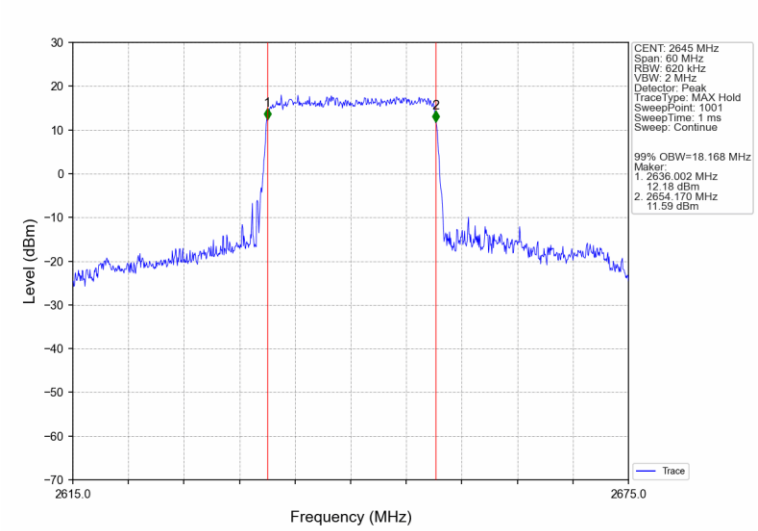
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



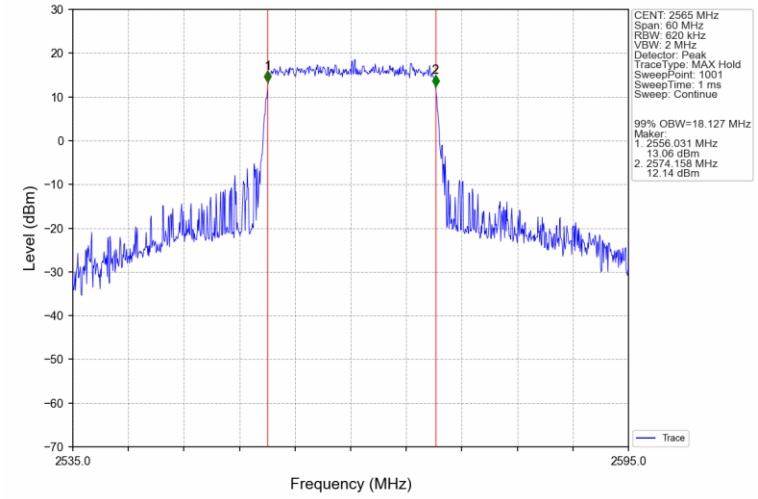
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



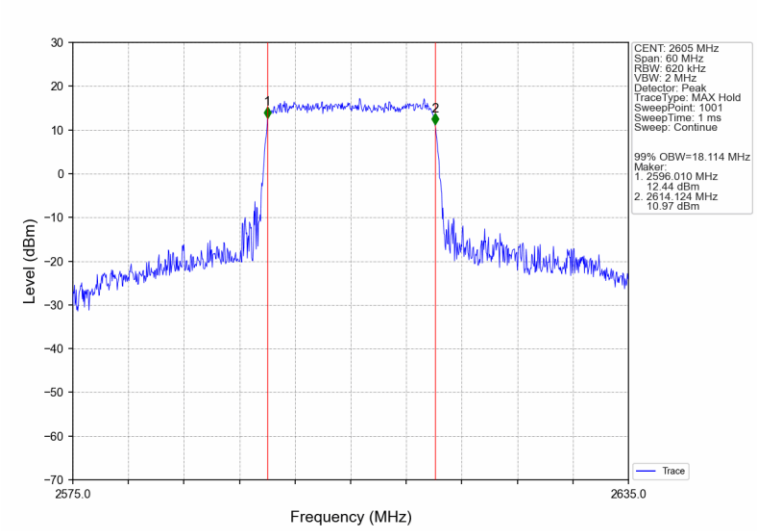
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



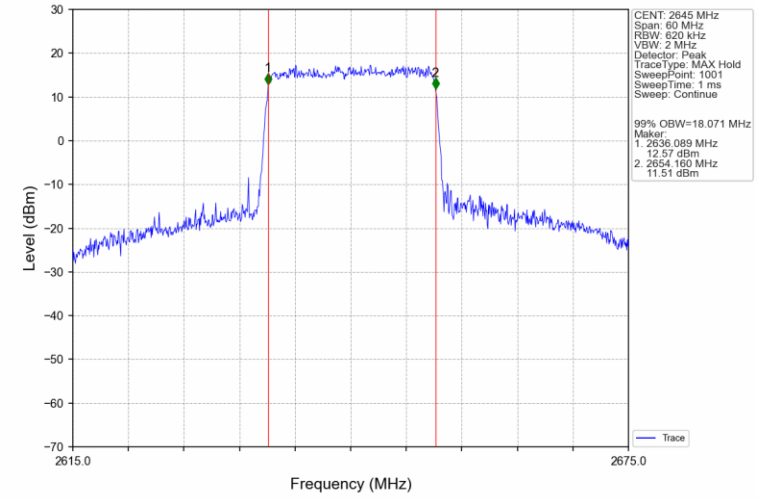
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



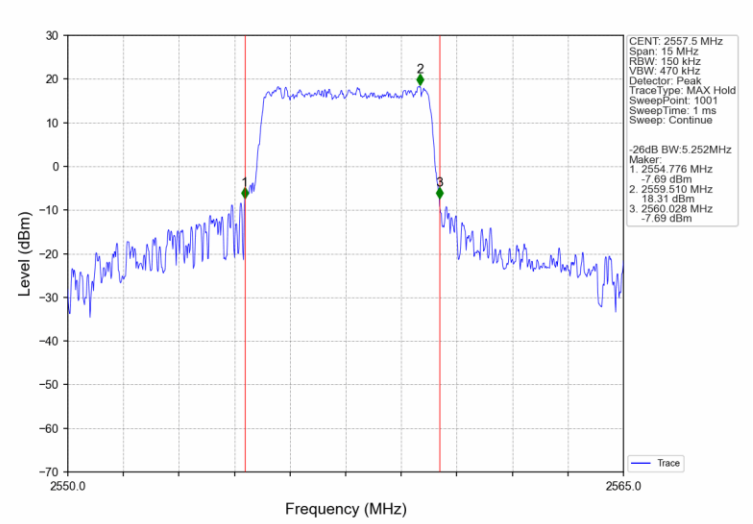
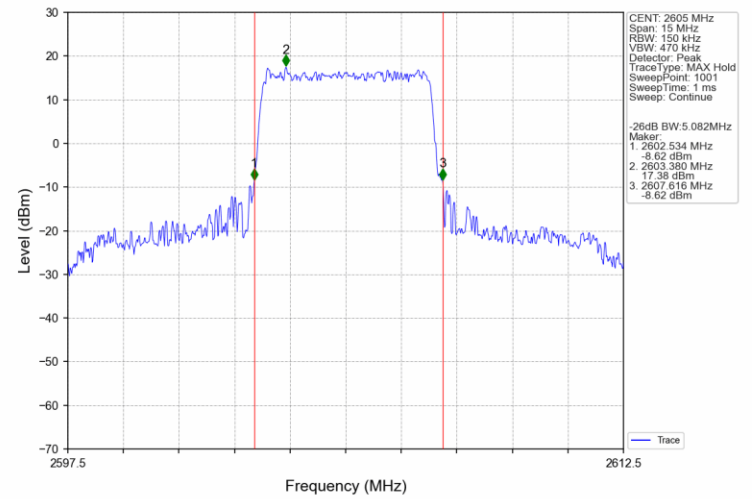
Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



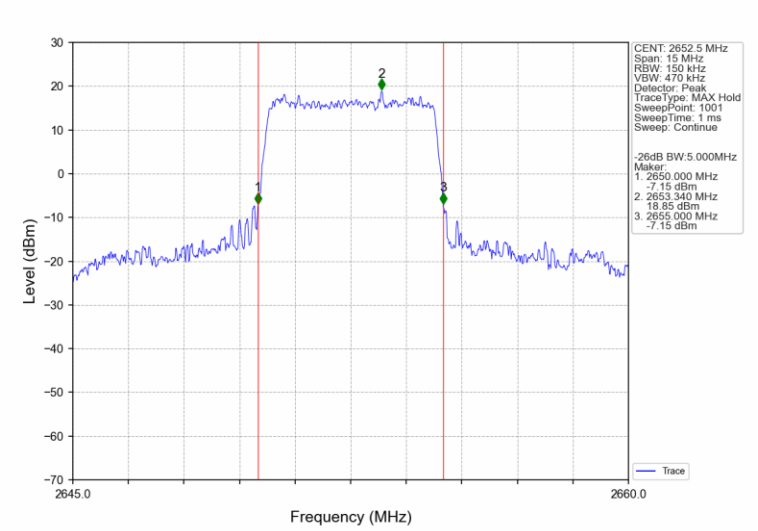
Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



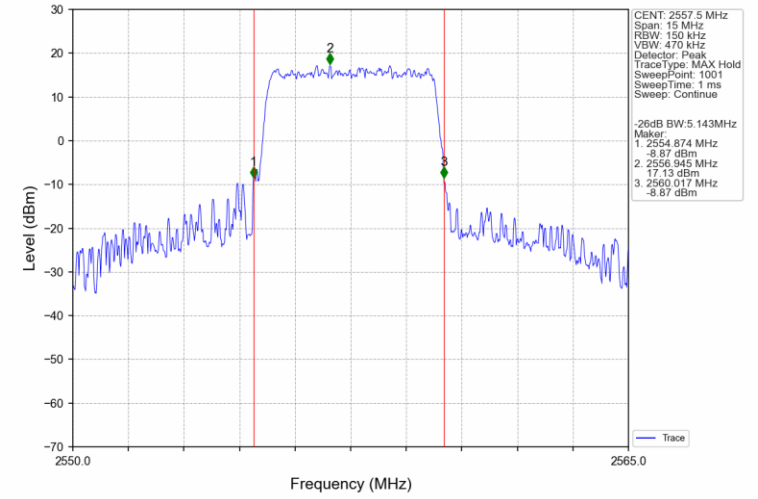
4.2.2 Band41_XDB

Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV

Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV


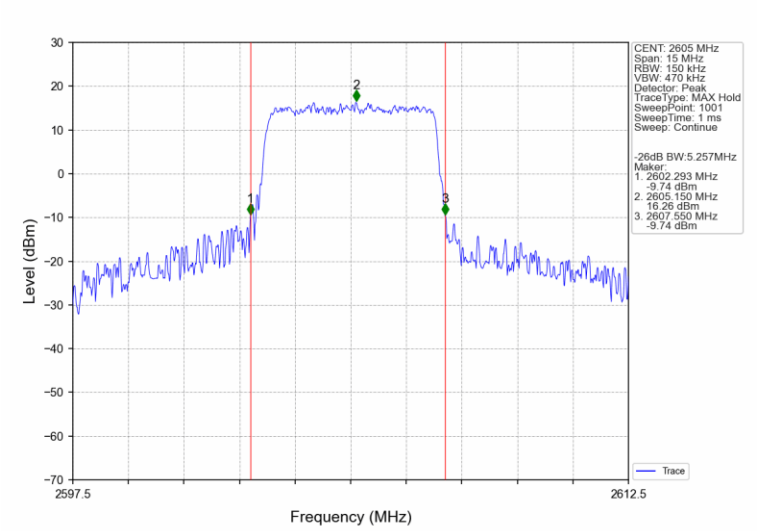
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



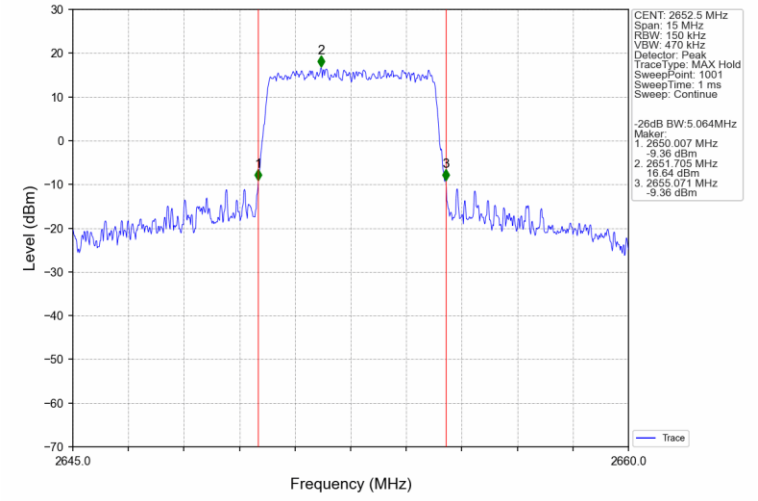
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



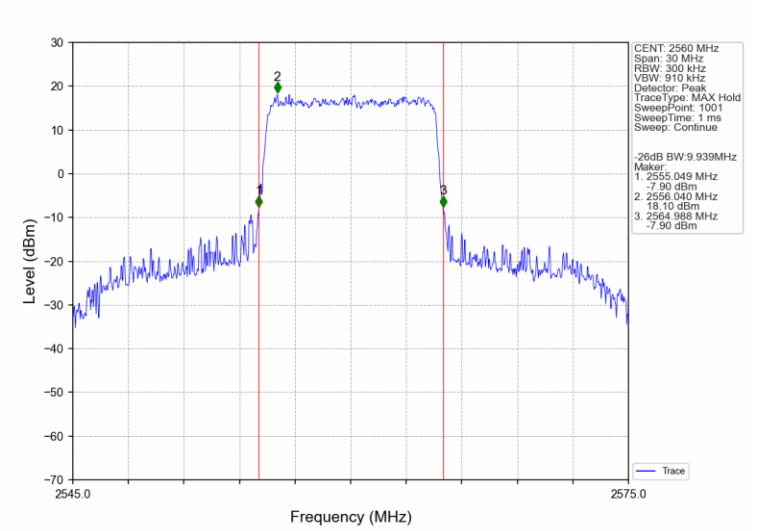
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



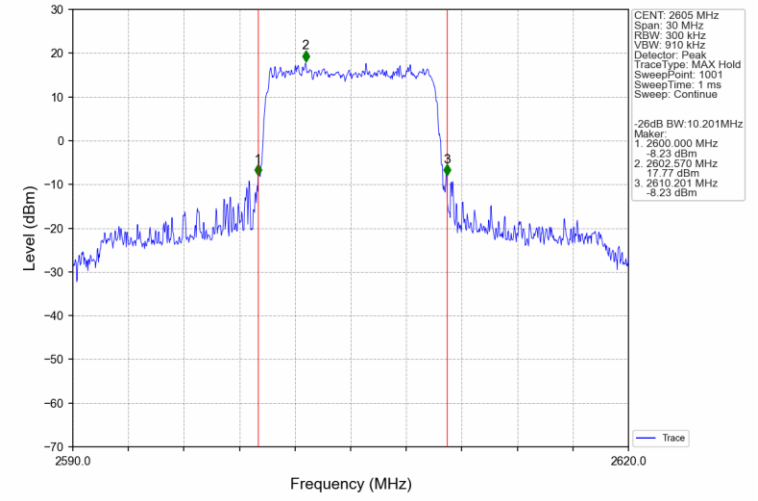
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



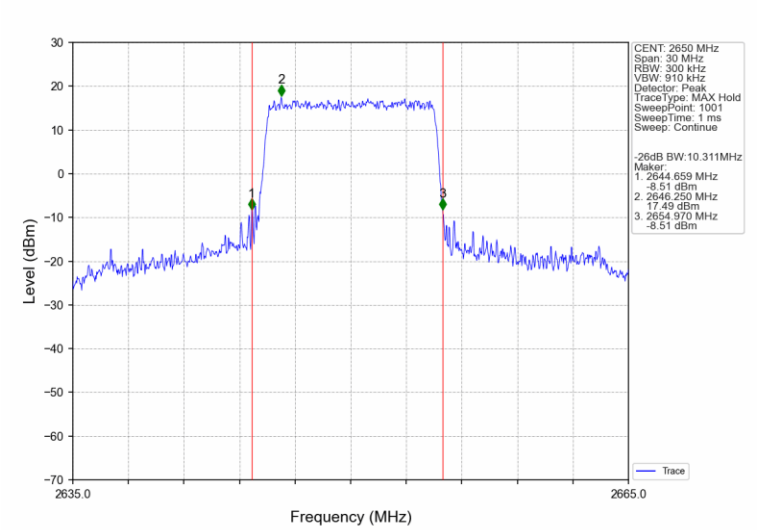
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



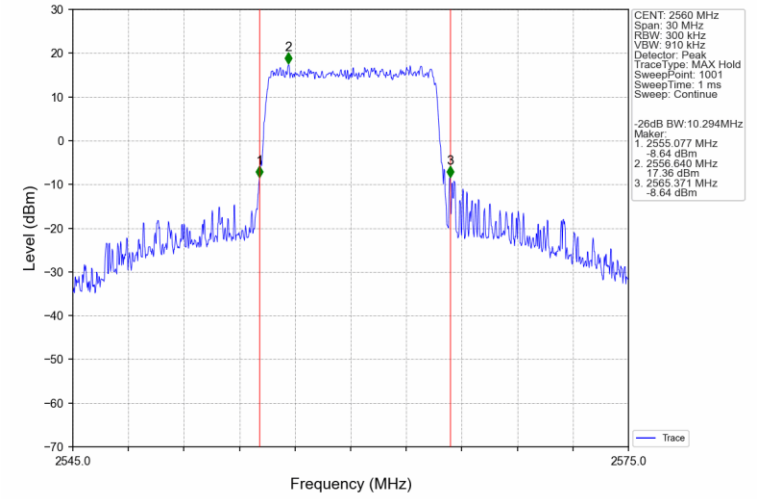
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



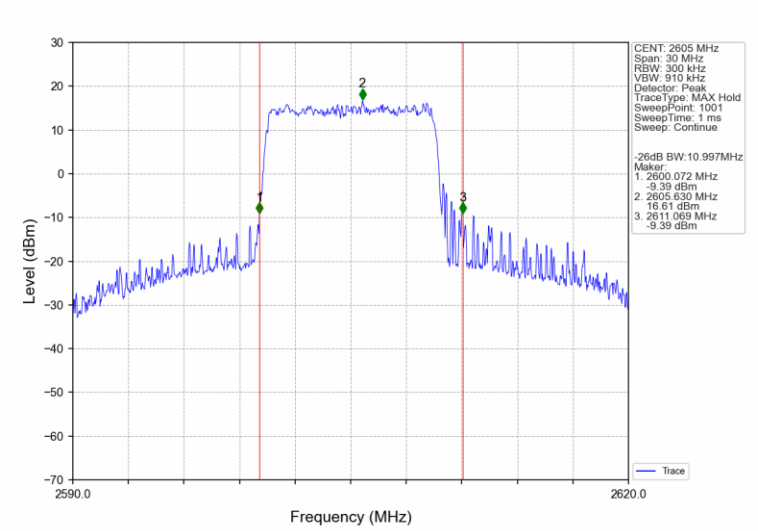
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



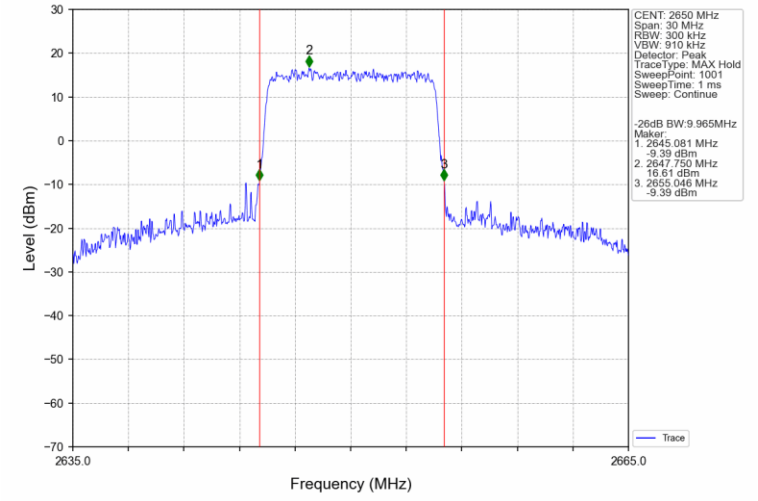
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



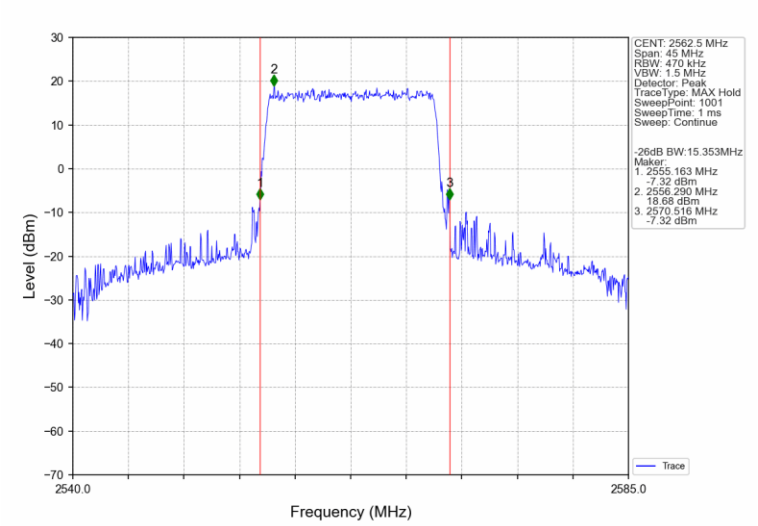
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



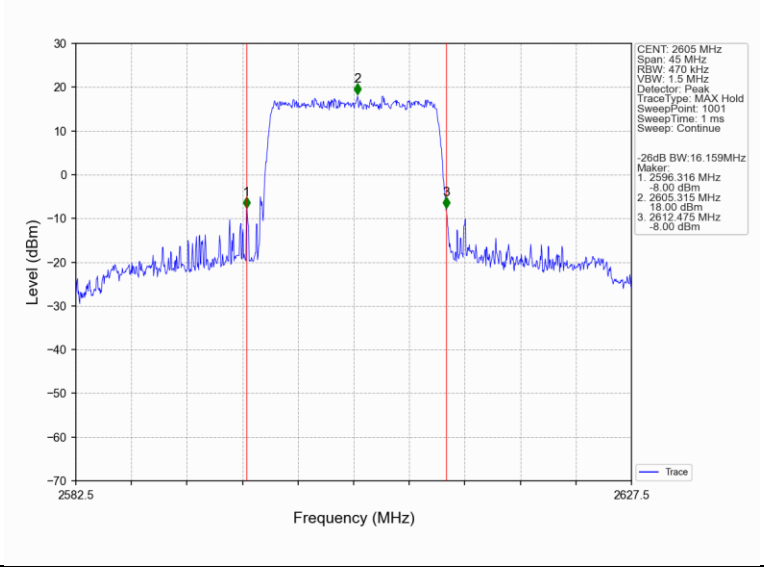
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



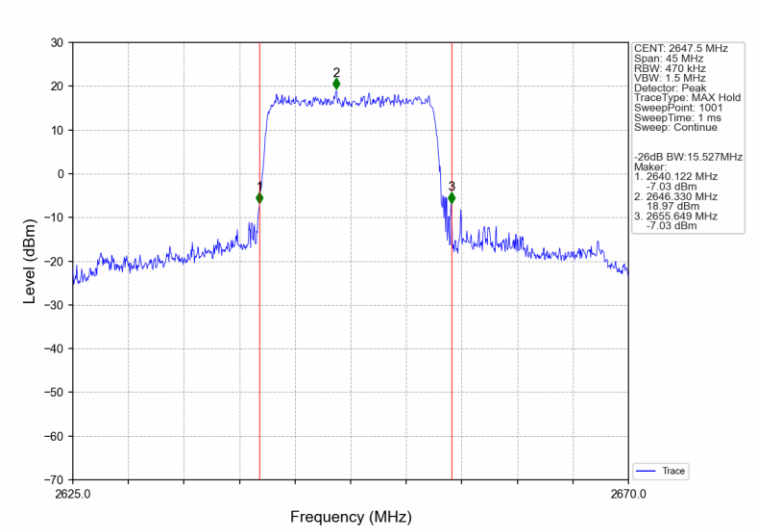
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



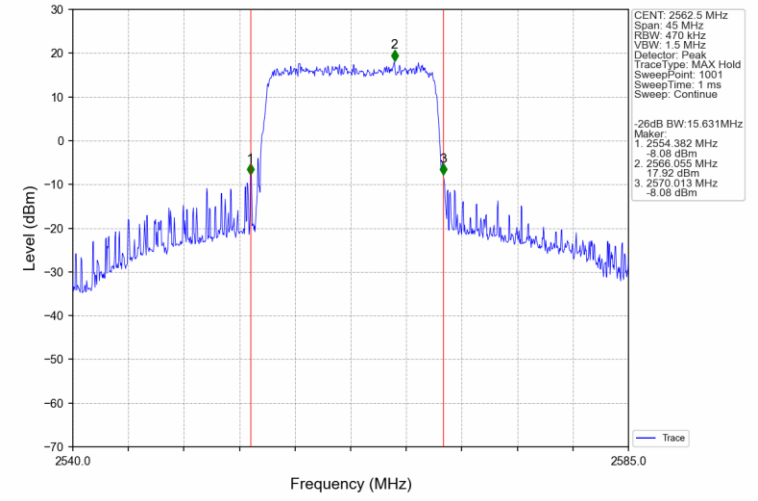
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



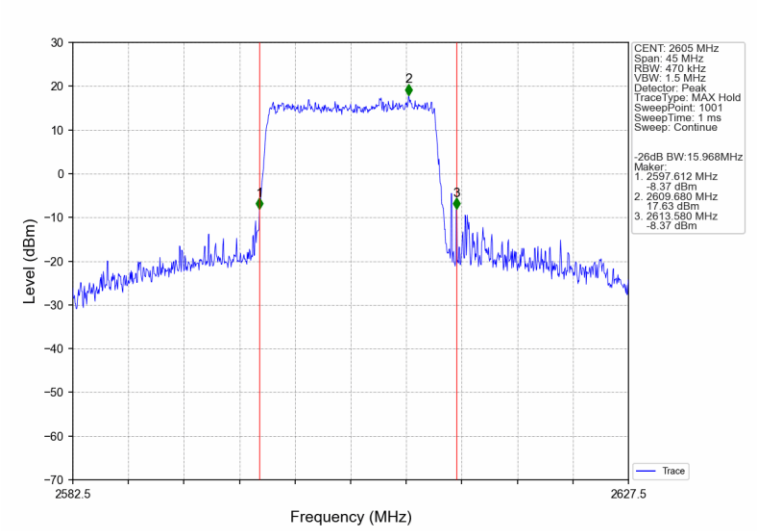
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



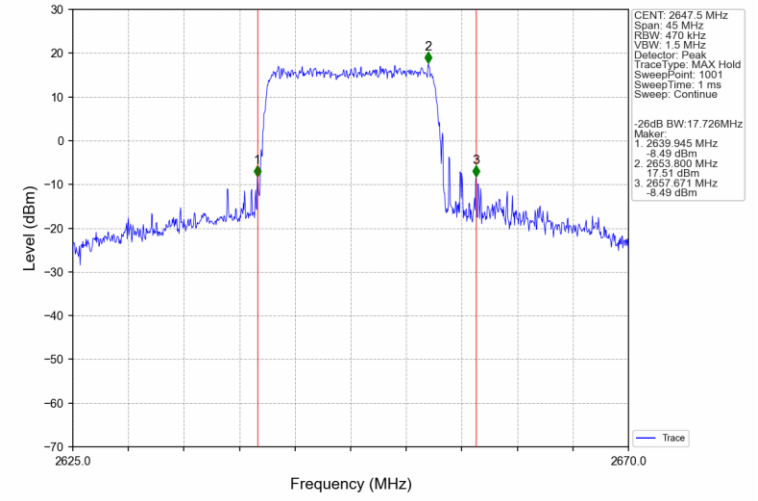
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



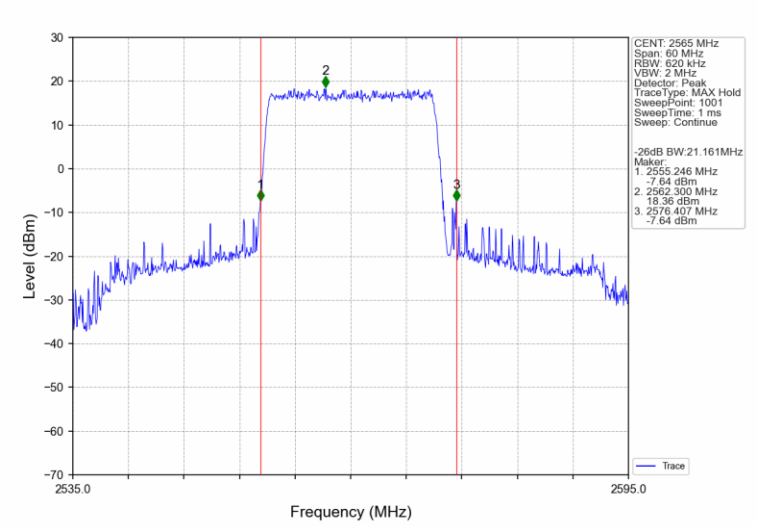
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



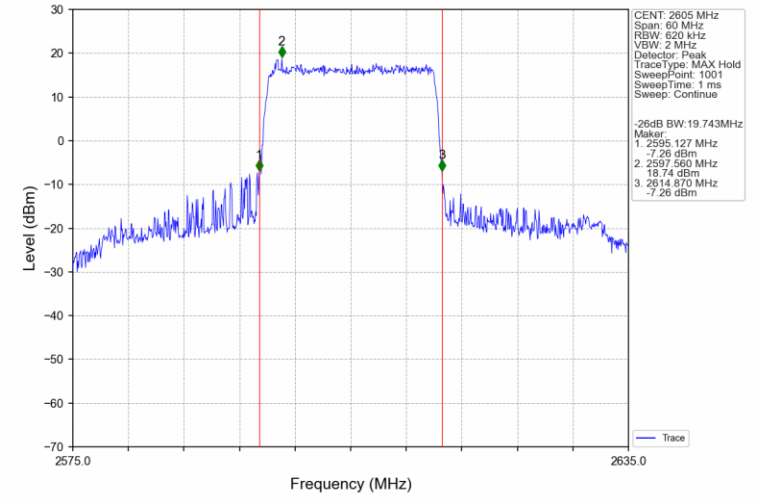
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



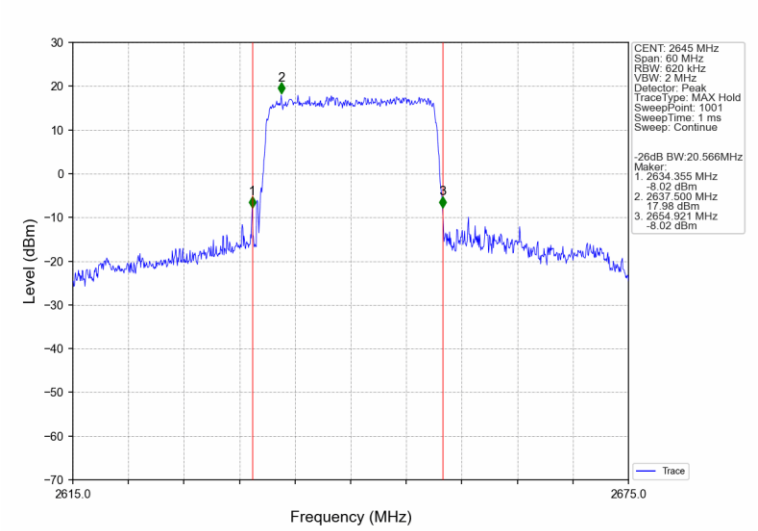
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



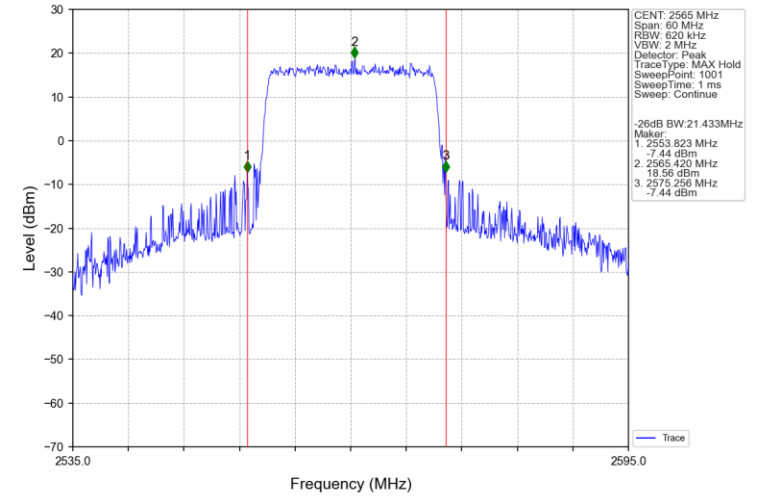
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



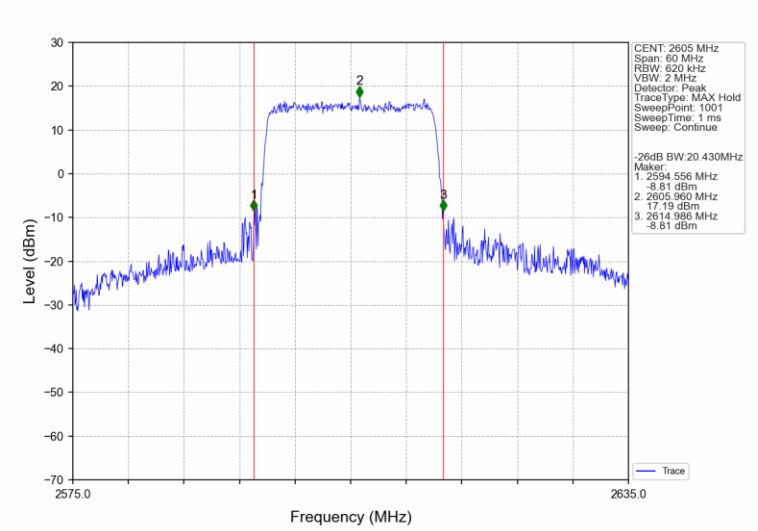
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



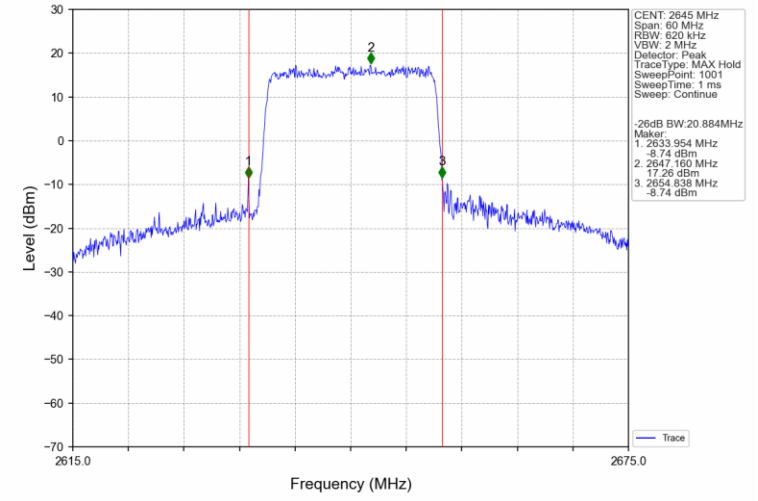
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



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	7.61	<=13	Pass
	2605	25	0	7.64	<=13	Pass
	2652.5	25	0	7.93	<=13	Pass
16QAM	2557.5	25	0	8.07	<=13	Pass
	2605	25	0	8.36	<=13	Pass
	2652.5	25	0	8.68	<=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	7.71	<=13	Pass
	2605	50	0	7.58	<=13	Pass
	2650	50	0	7.87	<=13	Pass
16QAM	2560	50	0	8.22	<=13	Pass
	2605	50	0	8.29	<=13	Pass
	2650	50	0	8.59	<=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	7.40	<=13	Pass
	2605	75	0	7.27	<=13	Pass
	2647.5	75	0	7.45	<=13	Pass
16QAM	2562.5	75	0	8.25	<=13	Pass
	2605	75	0	8.14	<=13	Pass
	2647.5	75	0	8.32	<=13	Pass

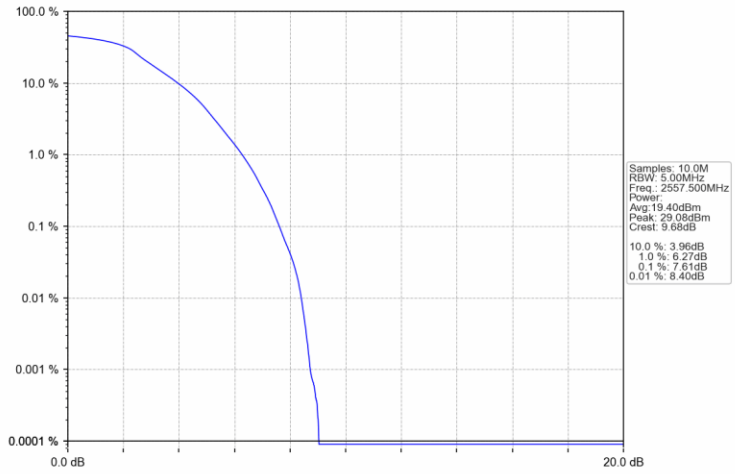
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.78	<=13	Pass
	2605	100	0	7.64	<=13	Pass
	2645	100	0	7.75	<=13	Pass
16QAM	2565	100	0	8.67	<=13	Pass
	2605	100	0	8.53	<=13	Pass
	2645	100	0	8.82	<=13	Pass

5.2 Test Graph

5.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV