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	23.65	0.33	23.98	<=33.01	Pass
			13	23.77	0.33	24.10	<=33.01	Pass
			24	23.64	0.33	23.97	<=33.01	Pass
		12	0	22.70	0.33	23.03	<=33.01	Pass
			6	22.77	0.33	23.10	<=33.01	Pass
			13	22.68	0.33	23.01	<=33.01	Pass
		25	0	22.71	0.33	23.04	<=33.01	Pass
	2605	1	0	23.25	0.33	23.58	<=33.01	Pass
			13	23.35	0.33	23.68	<=33.01	Pass
			24	23.27	0.33	23.60	<=33.01	Pass
		12	0	22.34	0.33	22.67	<=33.01	Pass
			6	22.39	0.33	22.72	<=33.01	Pass
			13	22.36	0.33	22.69	<=33.01	Pass
		25	0	22.39	0.33	22.72	<=33.01	Pass
	2652.5	1	0	23.41	0.33	23.74	<=33.01	Pass
			13	23.33	0.33	23.66	<=33.01	Pass
			24	23.22	0.33	23.55	<=33.01	Pass
		12	0	22.50	0.33	22.83	<=33.01	Pass
			6	22.58	0.33	22.91	<=33.01	Pass
			13	22.50	0.33	22.83	<=33.01	Pass
		25	0	22.53	0.33	22.86	<=33.01	Pass
16QAM	2557.5	1	0	22.59	0.33	22.92	<=33.01	Pass
			13	22.68	0.33	23.01	<=33.01	Pass
			24	22.60	0.33	22.93	<=33.01	Pass
		12	0	21.61	0.33	21.94	<=33.01	Pass
			6	21.59	0.33	21.92	<=33.01	Pass
			13	21.57	0.33	21.90	<=33.01	Pass
		25	0	21.60	0.33	21.93	<=33.01	Pass
	2605	1	0	22.32	0.33	22.65	<=33.01	Pass
			13	22.39	0.33	22.72	<=33.01	Pass
			24	22.50	0.33	22.83	<=33.01	Pass
		12	0	21.34	0.33	21.67	<=33.01	Pass
			6	21.30	0.33	21.63	<=33.01	Pass
			13	21.23	0.33	21.56	<=33.01	Pass
		25	0	21.30	0.33	21.63	<=33.01	Pass
	2652.5	1	0	22.22	0.33	22.55	<=33.01	Pass
			13	22.27	0.33	22.60	<=33.01	Pass
			24	22.50	0.33	22.83	<=33.01	Pass
		12	0	21.38	0.33	21.71	<=33.01	Pass
			6	21.50	0.33	21.83	<=33.01	Pass
			13	21.47	0.33	21.80	<=33.01	Pass
		25	0	21.57	0.33	21.90	<=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	23.77	0.33	24.10	<=33.01	Pass
			25	23.91	0.33	24.24	<=33.01	Pass
			49	23.67	0.33	24.00	<=33.01	Pass
		25	0	22.71	0.33	23.04	<=33.01	Pass
			13	22.69	0.33	23.02	<=33.01	Pass
			25	22.74	0.33	23.07	<=33.01	Pass
		50	0	22.71	0.33	23.04	<=33.01	Pass
	2605	1	0	23.45	0.33	23.78	<=33.01	Pass
			25	23.66	0.33	23.99	<=33.01	Pass
			49	23.44	0.33	23.77	<=33.01	Pass
		25	0	22.48	0.33	22.81	<=33.01	Pass
			13	22.38	0.33	22.71	<=33.01	Pass
			25	22.39	0.33	22.72	<=33.01	Pass
		50	0	22.40	0.33	22.73	<=33.01	Pass
	2650	1	0	23.43	0.33	23.76	<=33.01	Pass
			25	23.66	0.33	23.99	<=33.01	Pass
			49	23.42	0.33	23.75	<=33.01	Pass
		25	0	22.57	0.33	22.90	<=33.01	Pass
			13	22.60	0.33	22.93	<=33.01	Pass
			25	22.57	0.33	22.90	<=33.01	Pass
		50	0	22.55	0.33	22.88	<=33.01	Pass
16QAM	2560	1	0	22.86	0.33	23.19	<=33.01	Pass
			25	22.52	0.33	22.85	<=33.01	Pass
			49	22.36	0.33	22.69	<=33.01	Pass
		25	0	21.74	0.33	22.07	<=33.01	Pass
			13	21.65	0.33	21.98	<=33.01	Pass
			25	21.71	0.33	22.04	<=33.01	Pass
		50	0	21.63	0.33	21.96	<=33.01	Pass
	2605	1	0	22.22	0.33	22.55	<=33.01	Pass
			25	22.42	0.33	22.75	<=33.01	Pass
			49	22.25	0.33	22.58	<=33.01	Pass
		25	0	21.35	0.33	21.68	<=33.01	Pass
			13	21.40	0.33	21.73	<=33.01	Pass
			25	21.36	0.33	21.69	<=33.01	Pass
		50	0	21.35	0.33	21.68	<=33.01	Pass
	2650	1	0	22.31	0.33	22.64	<=33.01	Pass
			25	22.78	0.33	23.11	<=33.01	Pass
			49	22.54	0.33	22.87	<=33.01	Pass
		25	0	21.55	0.33	21.88	<=33.01	Pass
			13	21.57	0.33	21.90	<=33.01	Pass
			25	21.59	0.33	21.92	<=33.01	Pass
		50	0	21.52	0.33	21.85	<=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	23.62	0.33	23.95	<=33.01	Pass
			38	23.72	0.33	24.05	<=33.01	Pass
			74	23.60	0.33	23.93	<=33.01	Pass
		36	0	22.74	0.33	23.07	<=33.01	Pass
			18	22.72	0.33	23.05	<=33.01	Pass
			39	22.70	0.33	23.03	<=33.01	Pass
		75	0	22.75	0.33	23.08	<=33.01	Pass
	2605	1	0	23.28	0.33	23.61	<=33.01	Pass
			38	23.35	0.33	23.68	<=33.01	Pass
			74	23.32	0.33	23.65	<=33.01	Pass
		36	0	22.38	0.33	22.71	<=33.01	Pass
			18	22.41	0.33	22.74	<=33.01	Pass
			39	22.45	0.33	22.78	<=33.01	Pass
		75	0	22.37	0.33	22.70	<=33.01	Pass
	2647.5	1	0	23.49	0.33	23.82	<=33.01	Pass
			38	23.46	0.33	23.79	<=33.01	Pass
			74	23.31	0.33	23.64	<=33.01	Pass
		36	0	22.44	0.33	22.77	<=33.01	Pass
			18	22.46	0.33	22.79	<=33.01	Pass
			39	22.43	0.33	22.76	<=33.01	Pass
		75	0	22.53	0.33	22.86	<=33.01	Pass
16QAM	2562.5	1	0	22.66	0.33	22.99	<=33.01	Pass
			38	22.69	0.33	23.02	<=33.01	Pass
			74	22.38	0.33	22.71	<=33.01	Pass
		36	0	21.67	0.33	22.00	<=33.01	Pass
			18	21.68	0.33	22.01	<=33.01	Pass
			39	21.65	0.33	21.98	<=33.01	Pass
		75	0	21.68	0.33	22.01	<=33.01	Pass
	2605	1	0	22.17	0.33	22.50	<=33.01	Pass
			38	22.27	0.33	22.60	<=33.01	Pass
			74	22.13	0.33	22.46	<=33.01	Pass
		36	0	21.37	0.33	21.70	<=33.01	Pass
			18	21.29	0.33	21.62	<=33.01	Pass
			39	21.36	0.33	21.69	<=33.01	Pass
		75	0	21.35	0.33	21.68	<=33.01	Pass
	2647.5	1	0	22.28	0.33	22.61	<=33.01	Pass
			38	22.34	0.33	22.67	<=33.01	Pass
			74	22.16	0.33	22.49	<=33.01	Pass
		36	0	21.45	0.33	21.78	<=33.01	Pass
			18	21.46	0.33	21.79	<=33.01	Pass
			39	21.49	0.33	21.82	<=33.01	Pass
		75	0	21.47	0.33	21.80	<=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	23.46	0.33	23.79	<=33.01	Pass
			50	23.77	0.33	24.10	<=33.01	Pass
			99	23.47	0.33	23.80	<=33.01	Pass
		50	0	22.60	0.33	22.93	<=33.01	Pass
			25	22.63	0.33	22.96	<=33.01	Pass
			50	22.67	0.33	23.00	<=33.01	Pass
		100	0	22.60	0.33	22.93	<=33.01	Pass
	2605	1	0	23.10	0.33	23.43	<=33.01	Pass
			50	23.39	0.33	23.72	<=33.01	Pass
			99	23.16	0.33	23.49	<=33.01	Pass
		50	0	22.40	0.33	22.73	<=33.01	Pass
			25	22.37	0.33	22.70	<=33.01	Pass
			50	22.39	0.33	22.72	<=33.01	Pass
		100	0	22.33	0.33	22.66	<=33.01	Pass
	2645	1	0	23.15	0.33	23.48	<=33.01	Pass
			50	23.56	0.33	23.89	<=33.01	Pass
			99	23.09	0.33	23.42	<=33.01	Pass
		50	0	22.47	0.33	22.80	<=33.01	Pass
			25	22.50	0.33	22.83	<=33.01	Pass
			50	22.58	0.33	22.91	<=33.01	Pass
		100	0	22.51	0.33	22.84	<=33.01	Pass
16QAM	2565	1	0	22.43	0.33	22.76	<=33.01	Pass
			50	23.14	0.33	23.47	<=33.01	Pass
			99	22.35	0.33	22.68	<=33.01	Pass
		50	0	21.56	0.33	21.89	<=33.01	Pass
			25	21.61	0.33	21.94	<=33.01	Pass
			50	21.61	0.33	21.94	<=33.01	Pass
		100	0	21.57	0.33	21.90	<=33.01	Pass
	2605	1	0	22.21	0.33	22.54	<=33.01	Pass
			50	22.67	0.33	23.00	<=33.01	Pass
			99	22.25	0.33	22.58	<=33.01	Pass
		50	0	21.33	0.33	21.66	<=33.01	Pass
			25	21.39	0.33	21.72	<=33.01	Pass
			50	21.33	0.33	21.66	<=33.01	Pass
		100	0	21.34	0.33	21.67	<=33.01	Pass
	2645	1	0	22.10	0.33	22.43	<=33.01	Pass
			50	22.49	0.33	22.82	<=33.01	Pass
			99	21.93	0.33	22.26	<=33.01	Pass
		50	0	21.41	0.33	21.74	<=33.01	Pass
			25	21.50	0.33	21.83	<=33.01	Pass
			50	21.57	0.33	21.90	<=33.01	Pass
		100	0	21.45	0.33	21.78	<=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	-7.854	-0.0031	-2.5 to 2.5	Pass
					3.85	-11.058	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-10.700	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-10.428	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-6.151	-0.0024	-2.5 to 2.5	Pass
					3.85	-9.499	-0.0036	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-9.885	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-13.490	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-4.334	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0025	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-10.886	-0.0041	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0024	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-8.583	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-11.258	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.638	-0.0025	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-1.259	-0.0005	-2.5 to 2.5	Pass
					3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.520	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-6.838	-0.0027	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-4.964	-0.0019	-2.5 to 2.5	Pass
					3.85	-6.995	-0.0027	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-10.357	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-10.443	-0.0040	-2.5 to 2.5	Pass

				0	3.85	-12.074	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-9.198	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.509	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.861	-0.0011	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-10.428	-0.0039	-2.5 to 2.5	Pass
					3.85	-10.085	-0.0038	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-7.567	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-12.803	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-13.061	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-8.869	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-10.929	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-8.411	-0.0032	-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	-10.986	-0.0043	-2.5 to 2.5	Pass
					3.85	-12.603	-0.0049	-2.5 to 2.5	Pass
					4.43	-9.069	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.324	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.565	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-10.271	-0.0040	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-10.729	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-11.101	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-9.384	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.137	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-11.029	-0.0042	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-11.930	-0.0045	-2.5 to 2.5	Pass
					3.85	-15.435	-0.0058	-2.5 to 2.5	Pass
					4.43	-16.336	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-11.573	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-6.938	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-13.847	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-14.992	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-8.454	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-13.633	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-11.487	-0.0043	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	-4.320	-0.0017	-2.5 to 2.5	Pass
					3.85	-7.982	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0020	-2.5 to 2.5	Pass

				-30	3.85	-16.937	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-10.357	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-12.345	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-9.298	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.683	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-12.059	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0027	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-4.478	-0.0017	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.751	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-8.683	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.807	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.354	-0.0032	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-8.740	-0.0033	-2.5 to 2.5	Pass
					3.85	-11.044	-0.0042	-2.5 to 2.5	Pass
					4.43	-10.929	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-13.347	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-15.121	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-11.072	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-10.757	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-9.685	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0033	-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	-10.343	-0.0040	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.791	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0020	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-10.285	-0.0039	-2.5 to 2.5	Pass
					3.85	-16.065	-0.0062	-2.5 to 2.5	Pass
					4.43	-11.501	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-11.945	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-12.903	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-16.365	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-10.371	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-13.461	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-14.133	-0.0054	-2.5 to 2.5	Pass

	2647.5	75	0	20	3.27	-9.327	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-10.557	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-6.495	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-7.410	-0.0029	-2.5 to 2.5	Pass
					3.85	-8.569	-0.0033	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0033	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-10.672	-0.0041	-2.5 to 2.5	Pass
					3.85	-13.719	-0.0053	-2.5 to 2.5	Pass
					4.43	-10.729	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-11.573	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-9.270	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-7.725	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-10.042	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-11.673	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-3.977	-0.0015	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-5.107	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-4.978	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0029	-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	-3.405	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-7.524	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-7.081	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass

				30	3.85	-5.908	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-5.579	-0.0022	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-14.033	-0.0054	-2.5 to 2.5	Pass
					3.85	-10.171	-0.0039	-2.5 to 2.5	Pass
					4.43	-7.124	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.655	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-13.790	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-9.642	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-10.185	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-10.228	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-10.657	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.605	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-11.687	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-1.459	-0.0006	-2.5 to 2.5	Pass
					3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-10.915	-0.0042	-2.5 to 2.5	Pass
					3.85	-8.926	-0.0034	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.011	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-16.637	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-11.916	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-8.397	-0.0032	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-8.254	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0014	-2.5 to 2.5	Pass
					4.43	-8.411	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-5.679	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-7.539	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-9.441	-0.0036	-2.5 to 2.5	Pass
				50	3.85	0.172	0.0001	-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

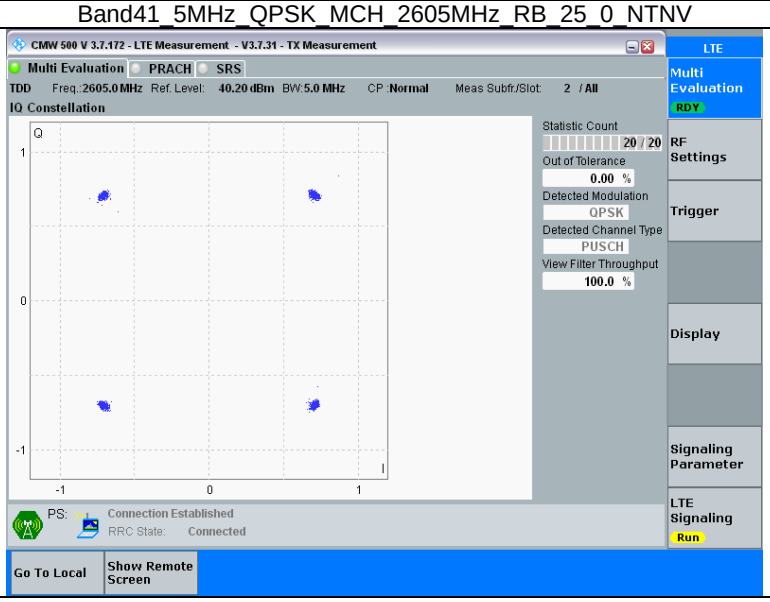
3.1.4 B41_20MHz

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

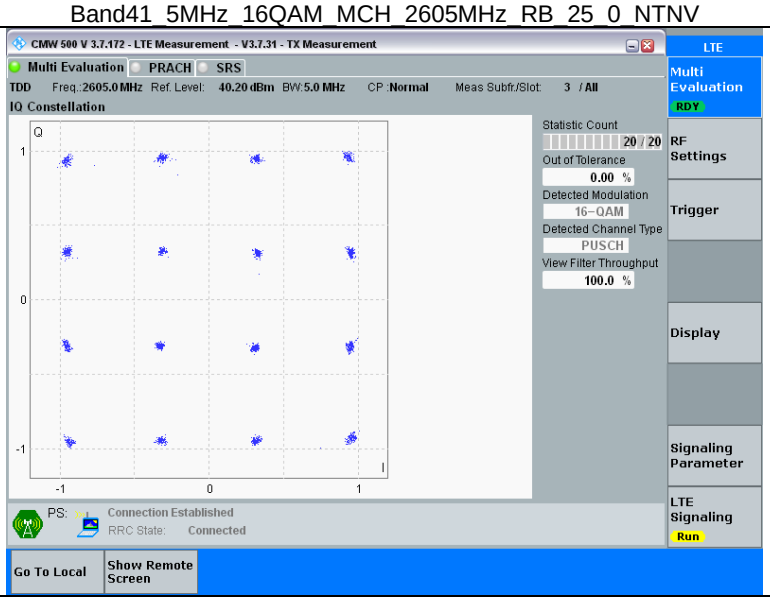
3.2 Test Graph

3.2.1 B41_5MHz

Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV

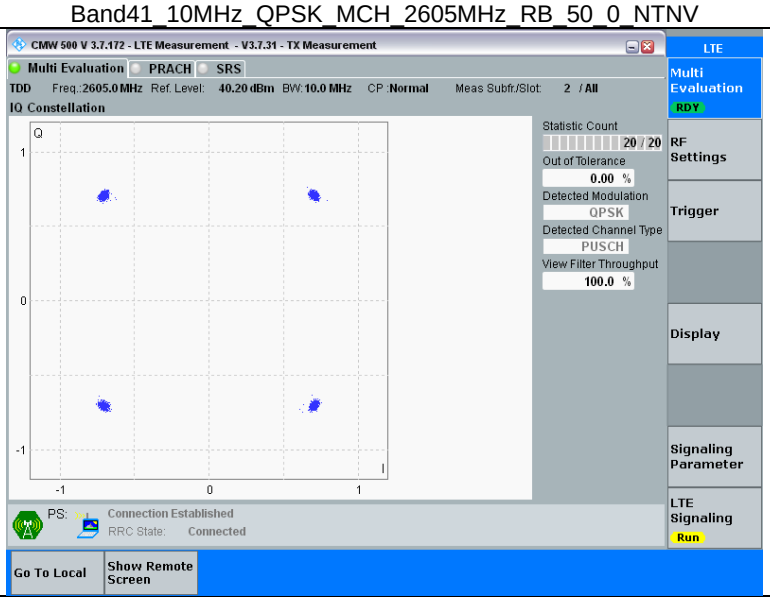


Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV

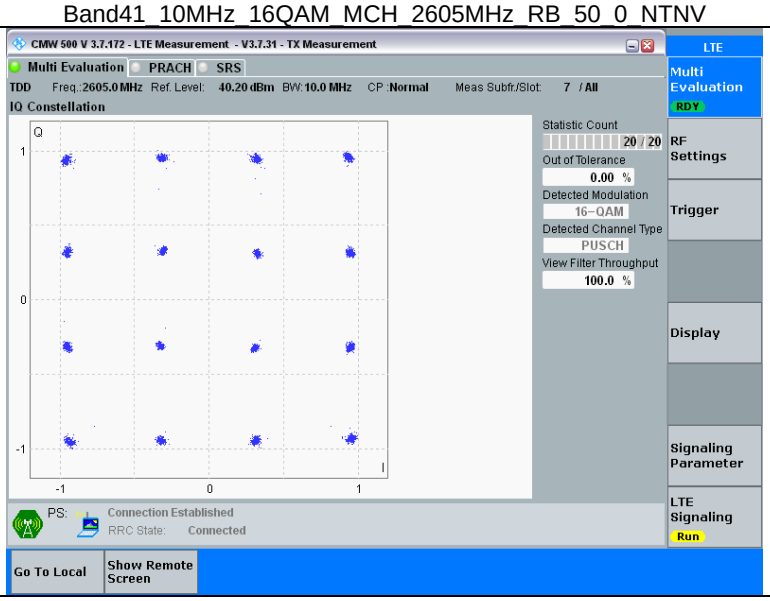


3.2.2 B41_10MHz

Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV

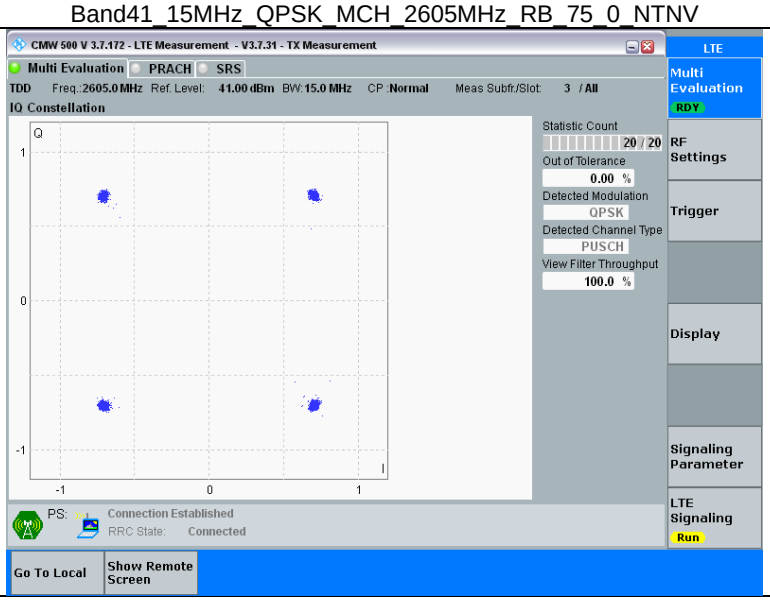


Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV

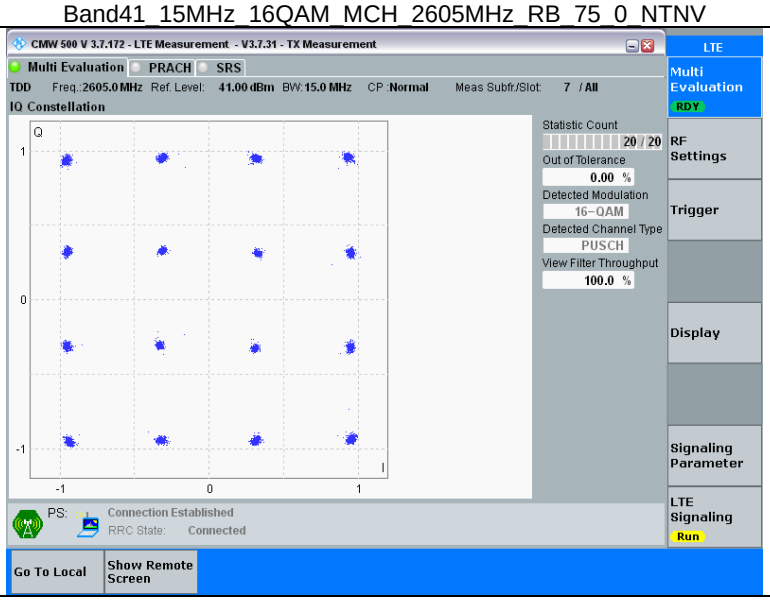


3.2.3 B41_15MHz

Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV

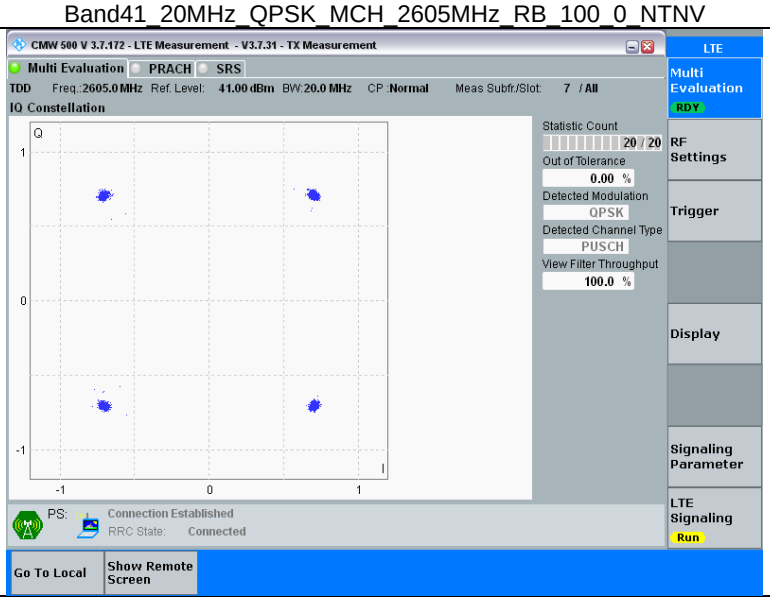


Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV

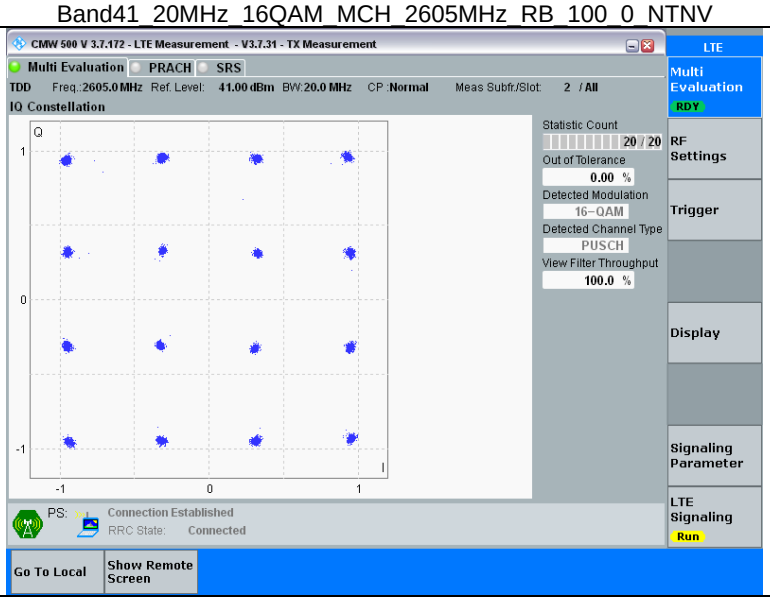


3.2.4 B41_20MHz

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	4.545	/	Pass
		2605	25	0	4.547	/	Pass
		2652.5	25	0	4.557	/	Pass
	16QAM	2557.5	25	0	4.544	/	Pass
		2605	25	0	4.539	/	Pass
		2652.5	25	0	4.566	/	Pass
10	QPSK	2560	50	0	9.066	/	Pass
		2605	50	0	9.080	/	Pass
		2650	50	0	9.045	/	Pass
	16QAM	2560	50	0	9.058	/	Pass
		2605	50	0	9.069	/	Pass
		2650	50	0	9.069	/	Pass
15	QPSK	2562.5	75	0	13.620	/	Pass
		2605	75	0	13.531	/	Pass
		2647.5	75	0	13.604	/	Pass
	16QAM	2562.5	75	0	13.589	/	Pass
		2605	75	0	13.644	/	Pass
		2647.5	75	0	13.615	/	Pass
20	QPSK	2565	100	0	18.070	/	Pass
		2605	100	0	18.081	/	Pass
		2645	100	0	18.108	/	Pass
	16QAM	2565	100	0	18.115	/	Pass
		2605	100	0	18.109	/	Pass
		2645	100	0	18.073	/	Pass

4.1.2 Band41_XDB

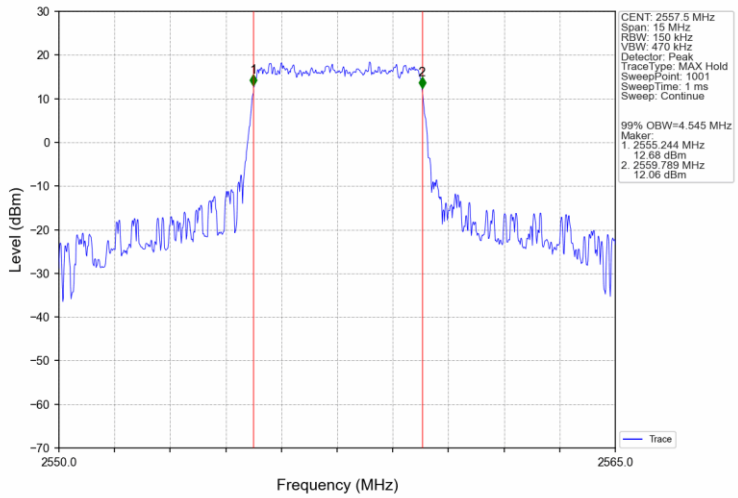
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.129	/	Pass
		2605	25	0	5.131	/	Pass
		2652.5	25	0	5.661	/	Pass
	16QAM	2557.5	25	0	5.084	/	Pass
		2605	25	0	5.246	/	Pass
		2652.5	25	0	5.052	/	Pass
10	QPSK	2560	50	0	10.475	/	Pass
		2605	50	0	10.703	/	Pass
		2650	50	0	10.595	/	Pass
	16QAM	2560	50	0	10.113	/	Pass
		2605	50	0	10.028	/	Pass
		2650	50	0	10.012	/	Pass
15	QPSK	2562.5	75	0	15.487	/	Pass
		2605	75	0	15.748	/	Pass
		2647.5	75	0	14.954	/	Pass

	16QAM	2562.5	75	0	16.060	/	Pass
		2605	75	0	17.179	/	Pass
		2647.5	75	0	17.496	/	Pass
20	QPSK	2565	100	0	21.202	/	Pass
		2605	100	0	19.946	/	Pass
		2645	100	0	20.634	/	Pass
	16QAM	2565	100	0	19.781	/	Pass
		2605	100	0	20.967	/	Pass
		2645	100	0	19.745	/	Pass

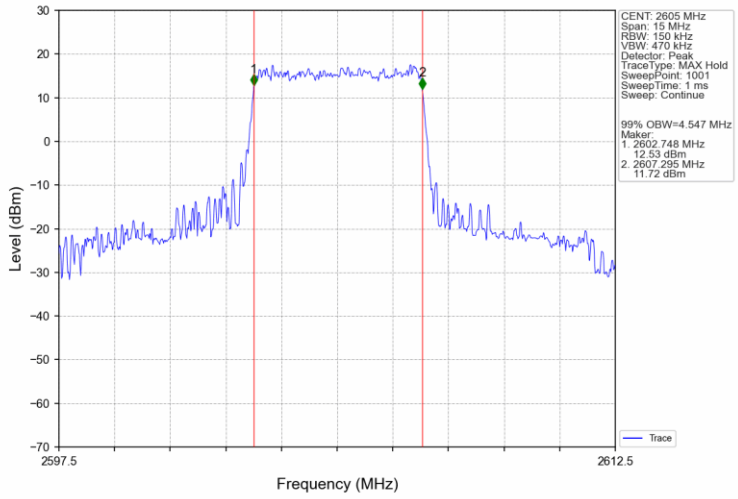
4.2 Test Graph

4.2.1 Band41_OBW

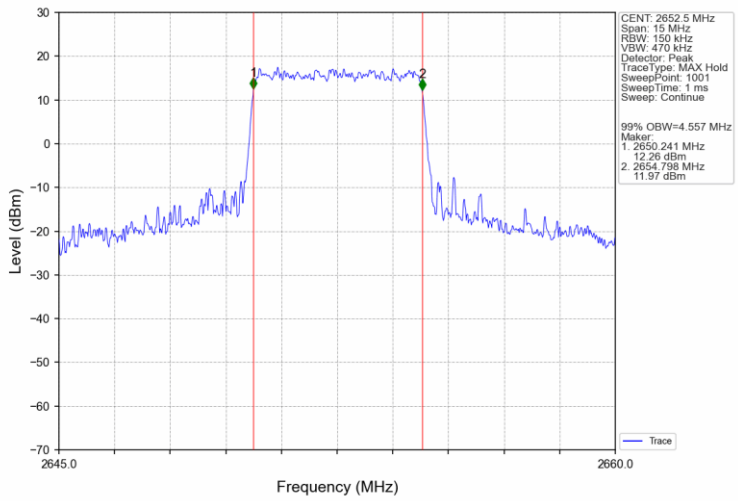
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



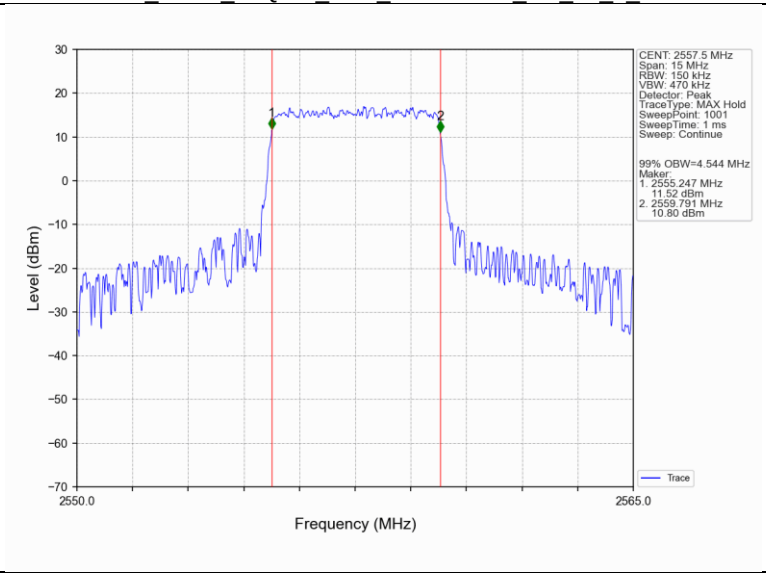
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



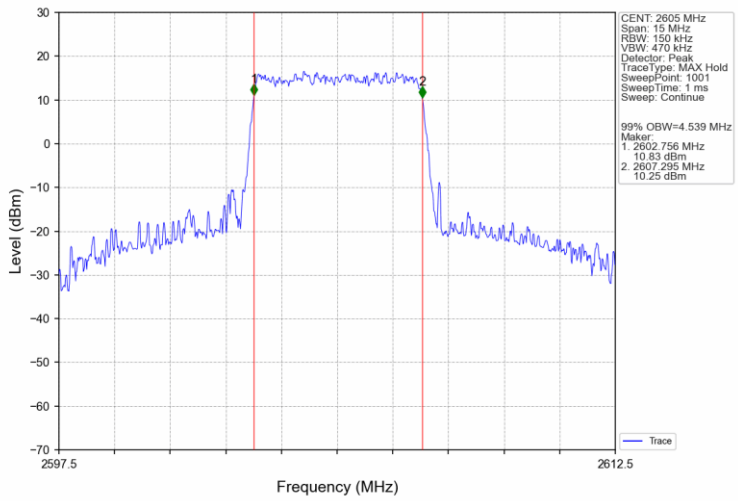
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



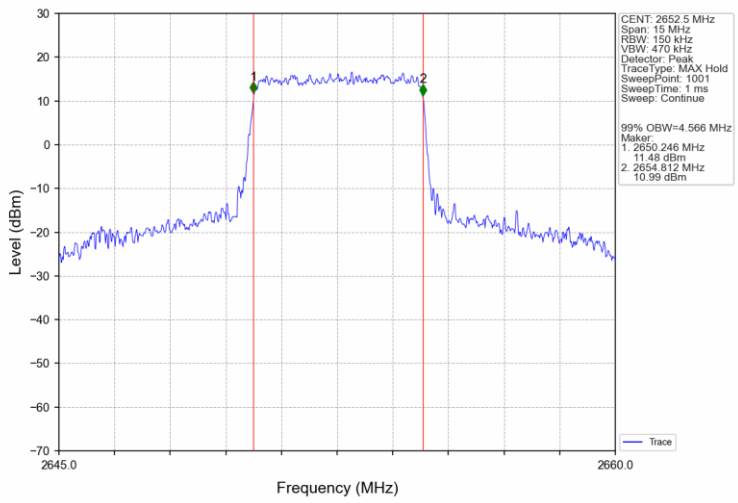
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



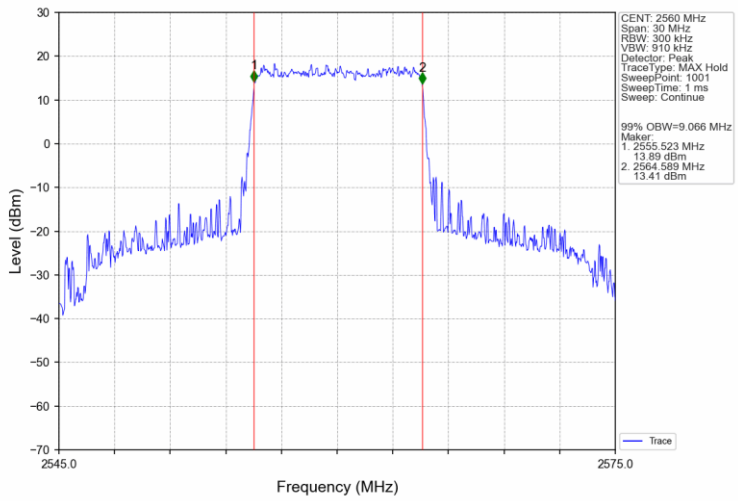
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



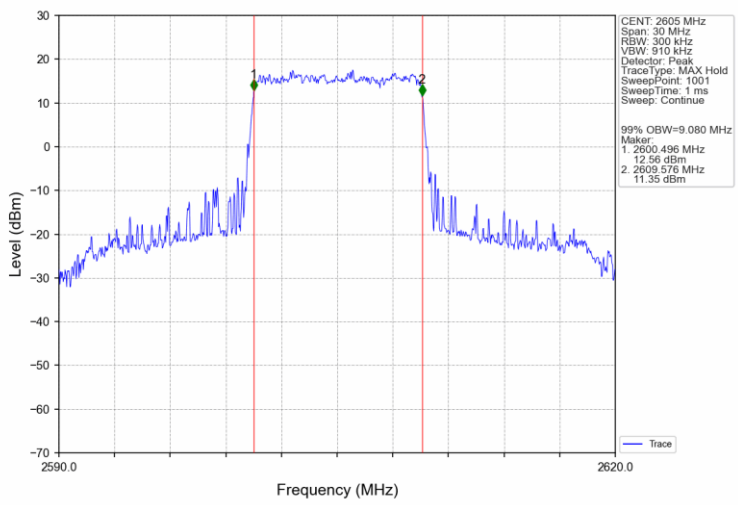
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



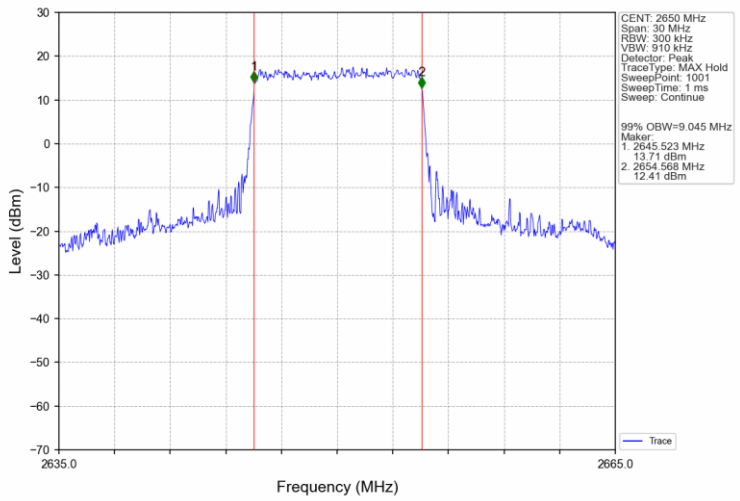
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



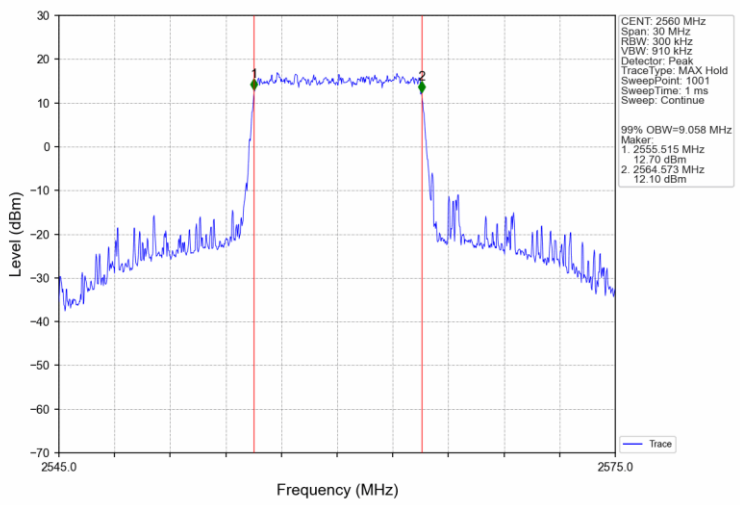
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



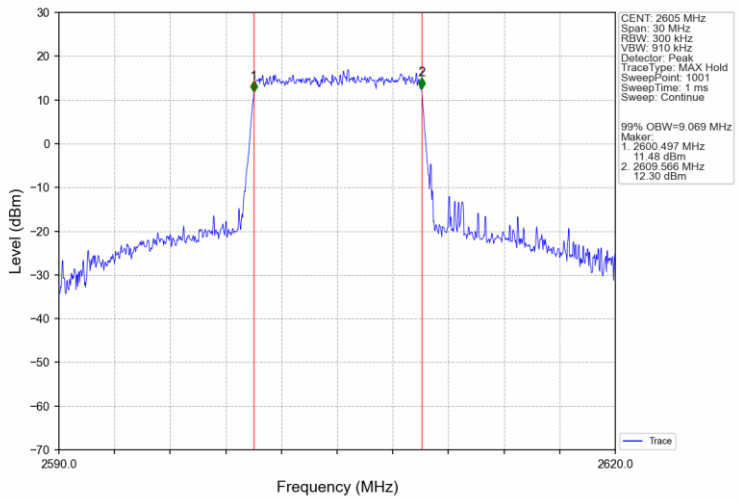
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



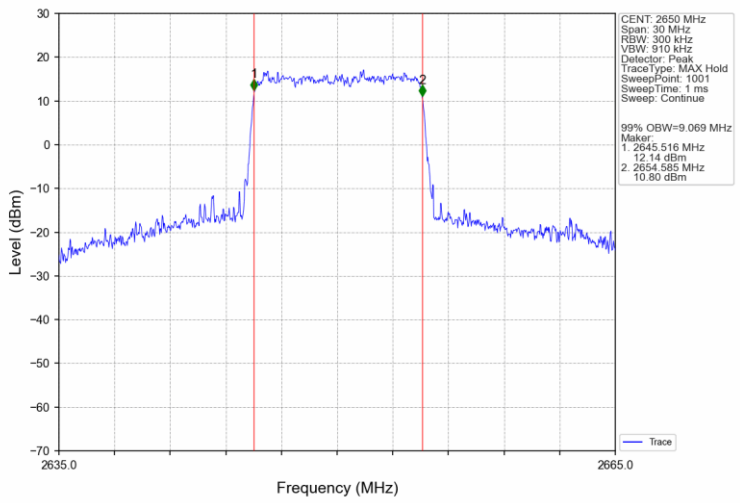
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



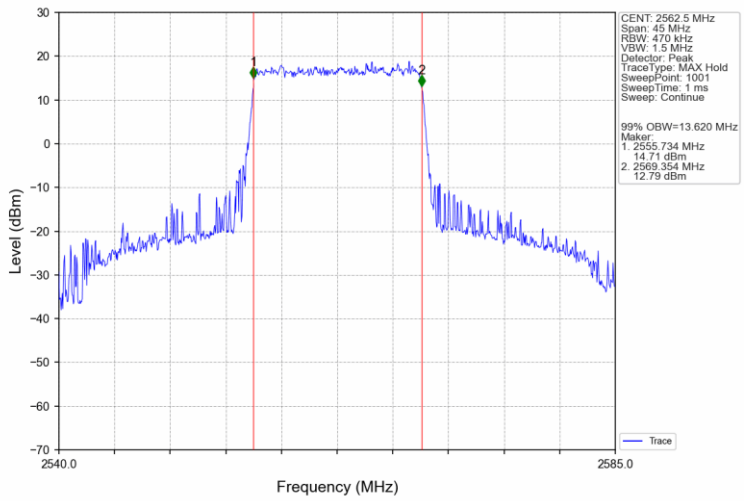
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



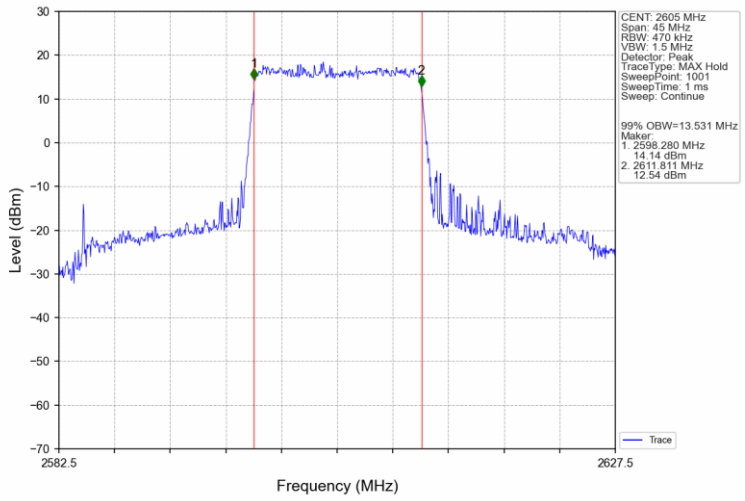
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



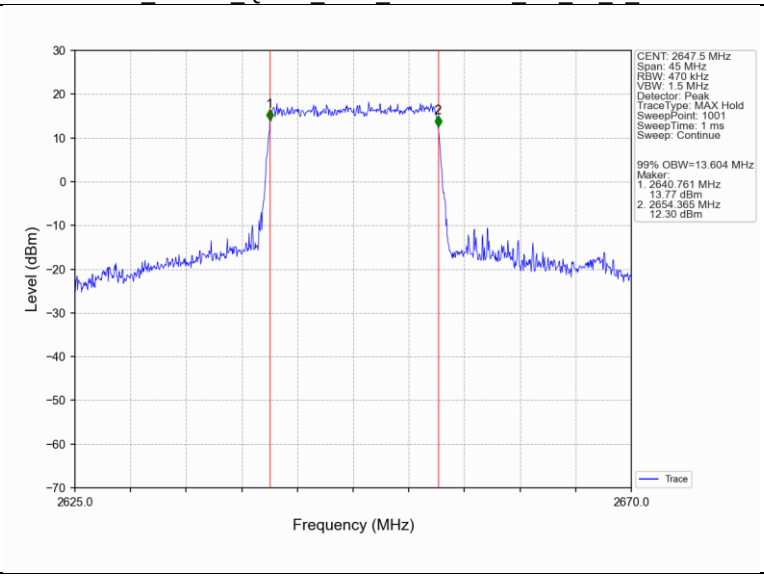
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



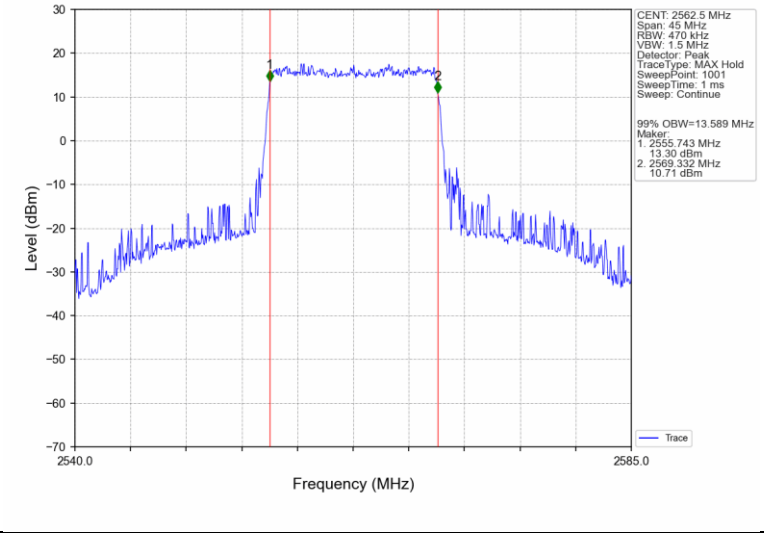
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



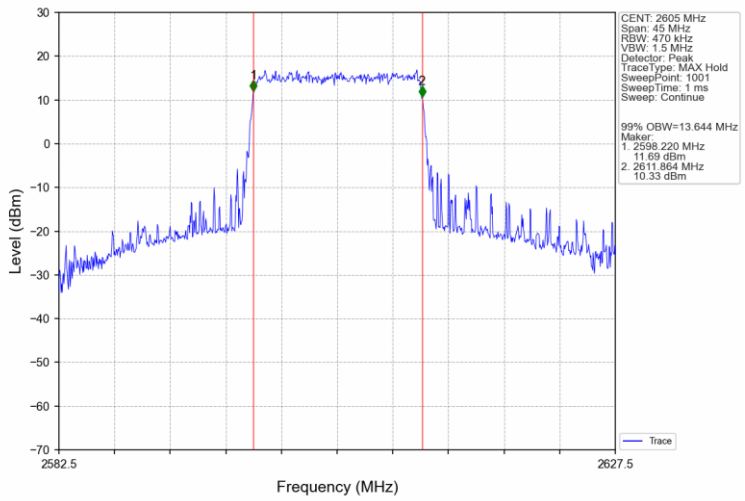
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



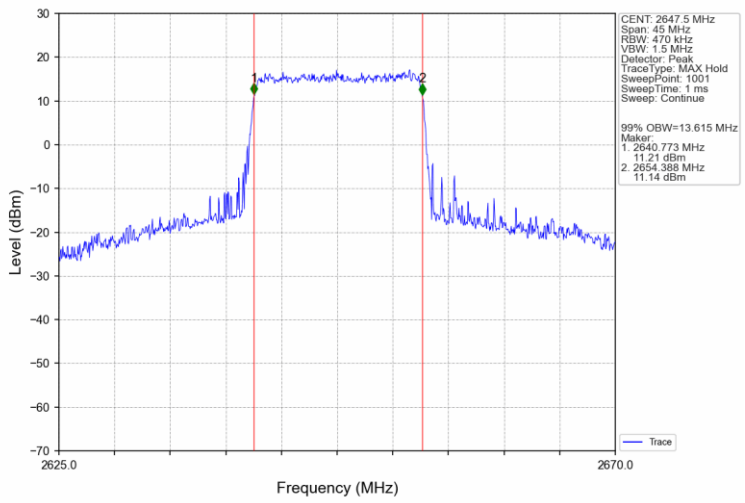
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



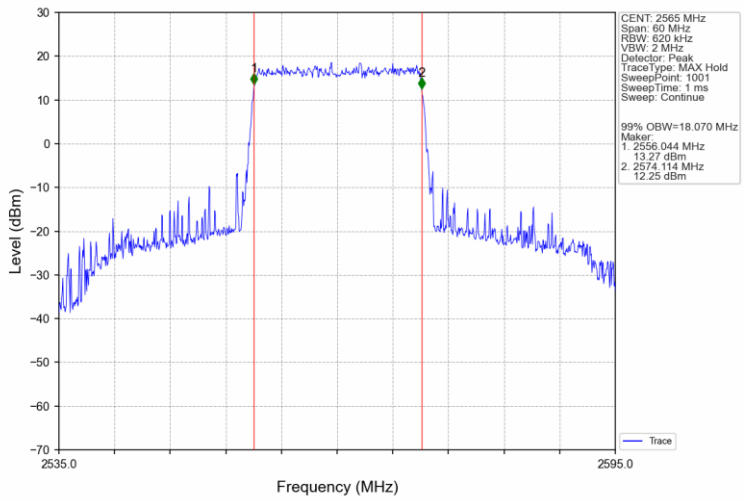
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



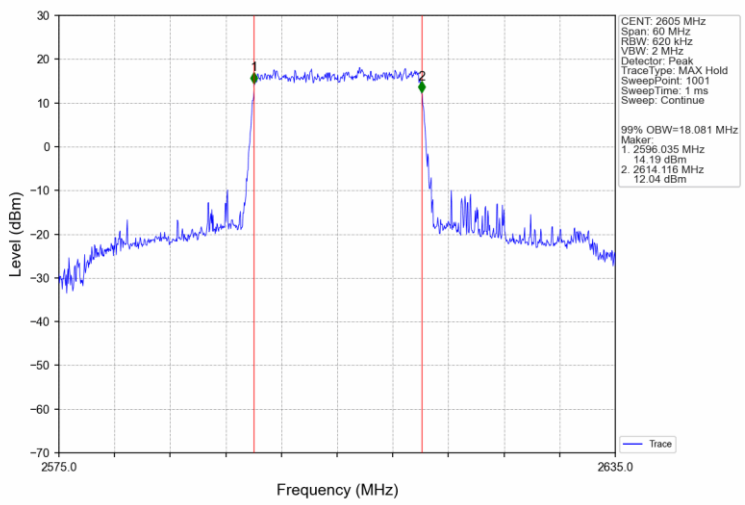
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



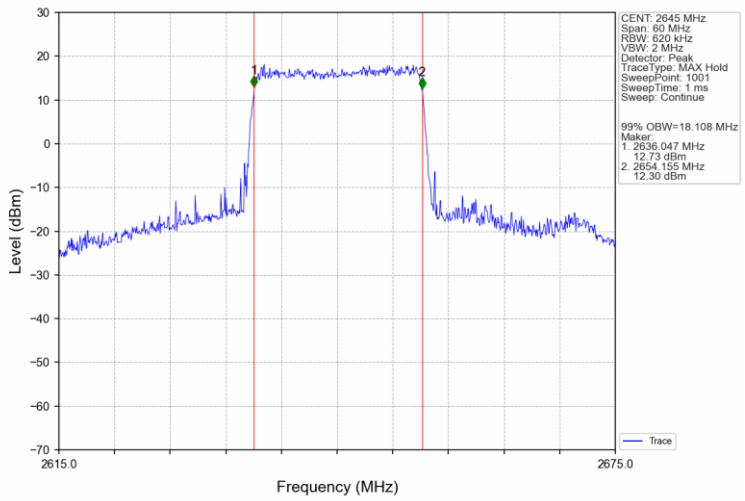
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



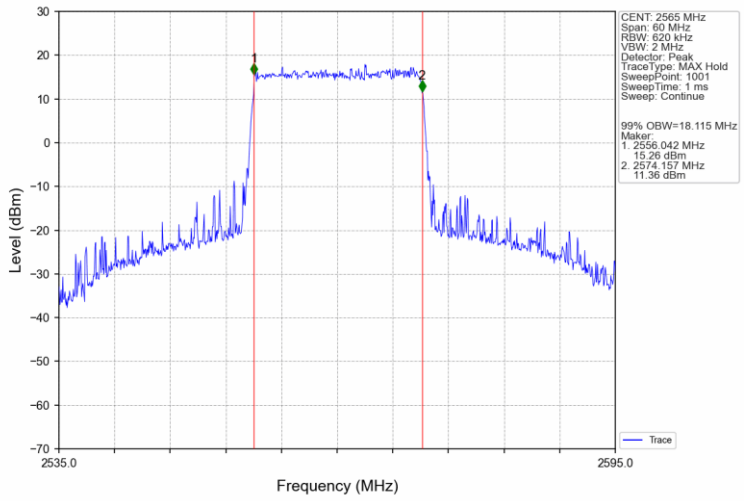
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



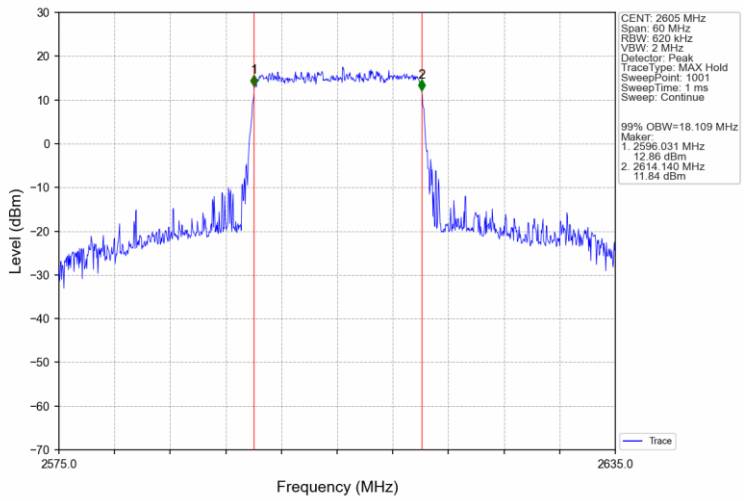
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



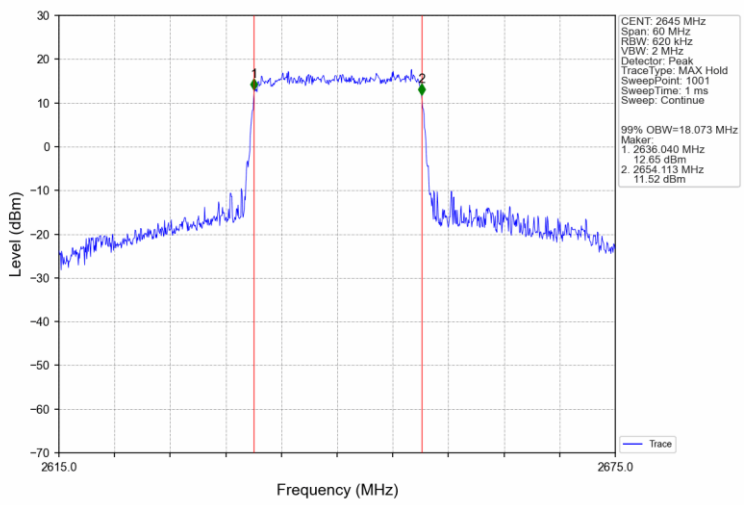
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

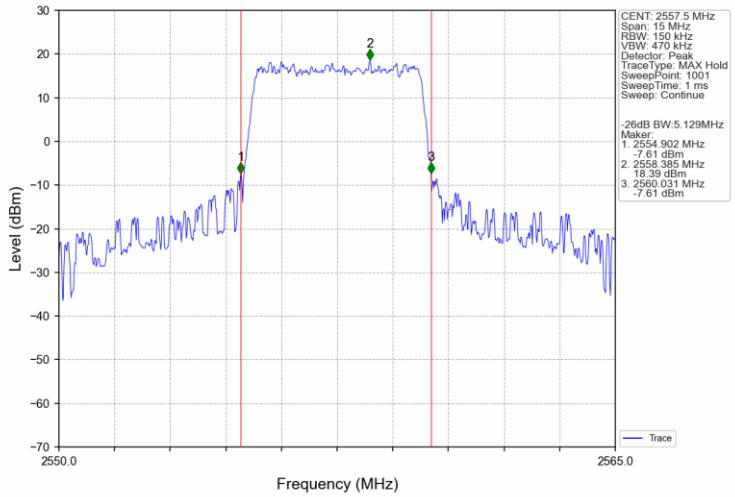


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

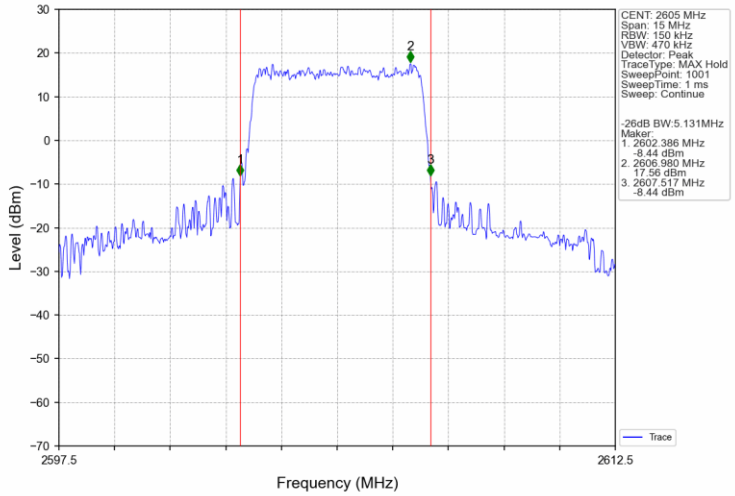


4.2.2 Band41_XDB

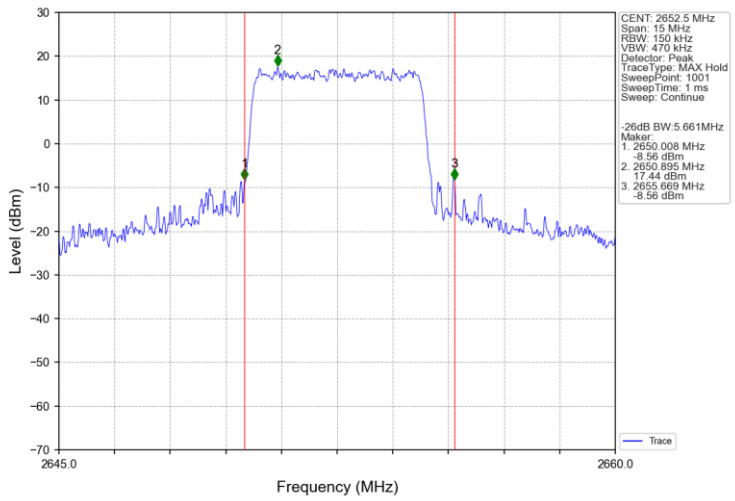
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



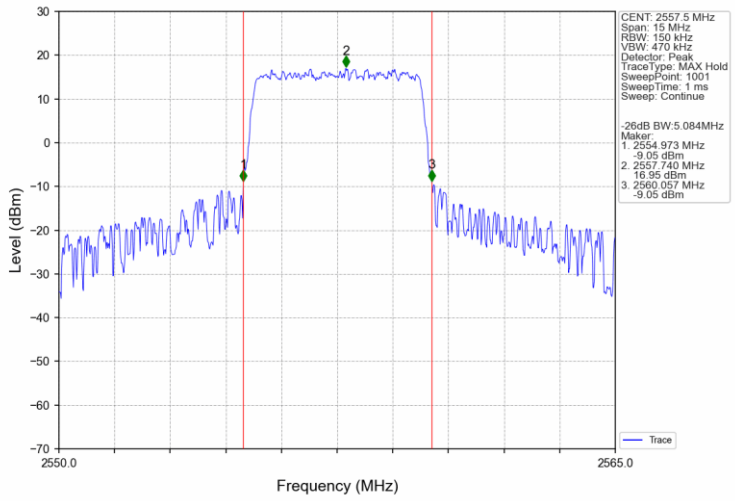
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



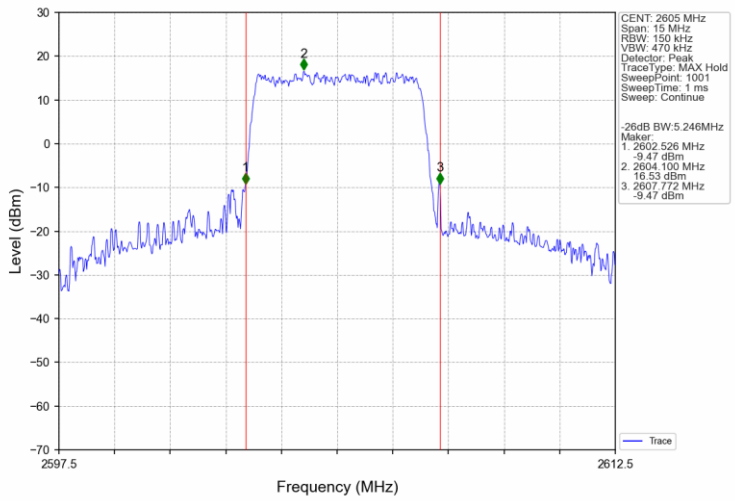
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



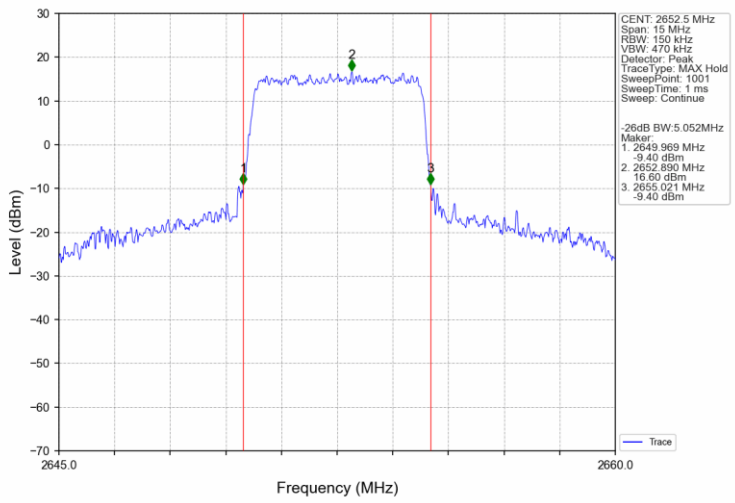
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



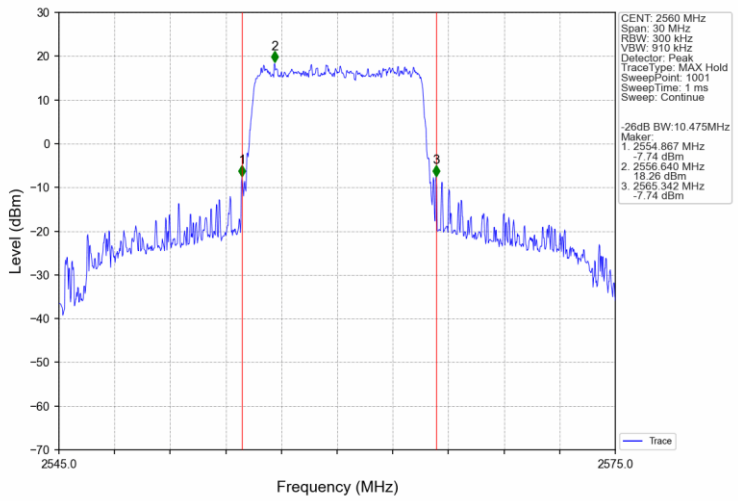
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



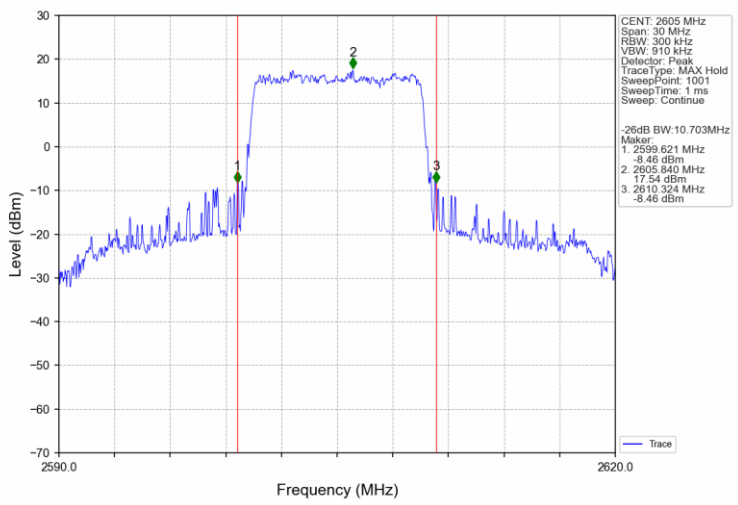
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



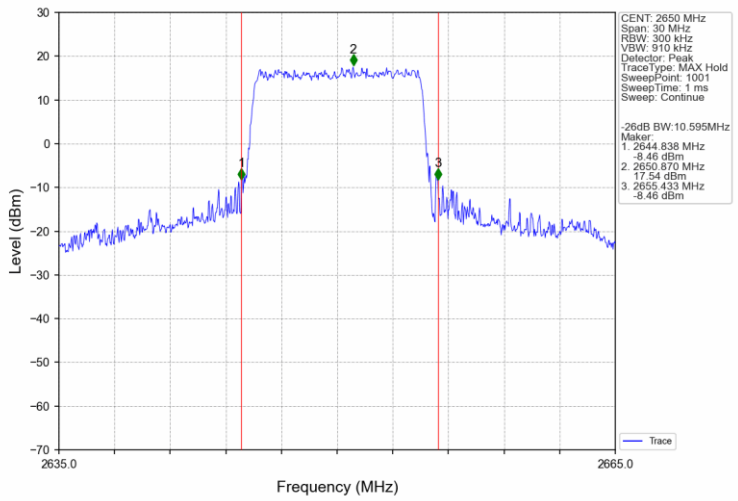
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



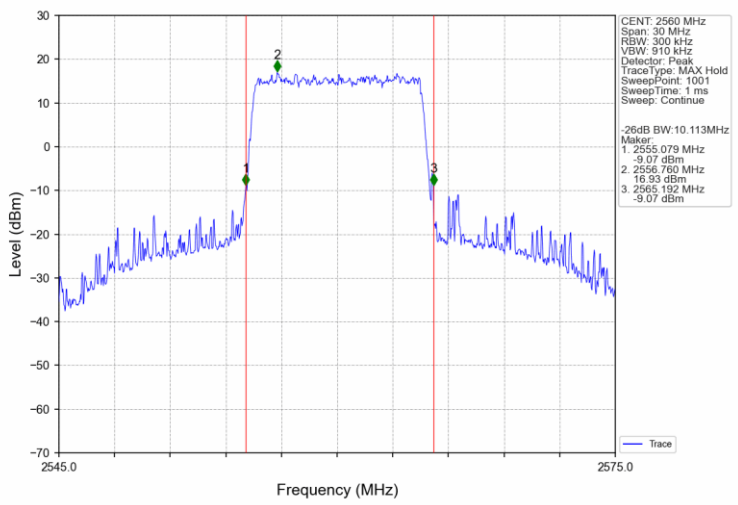
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



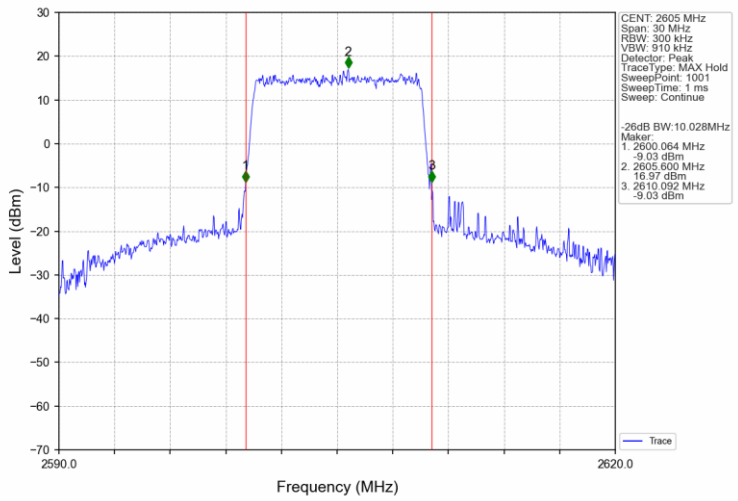
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



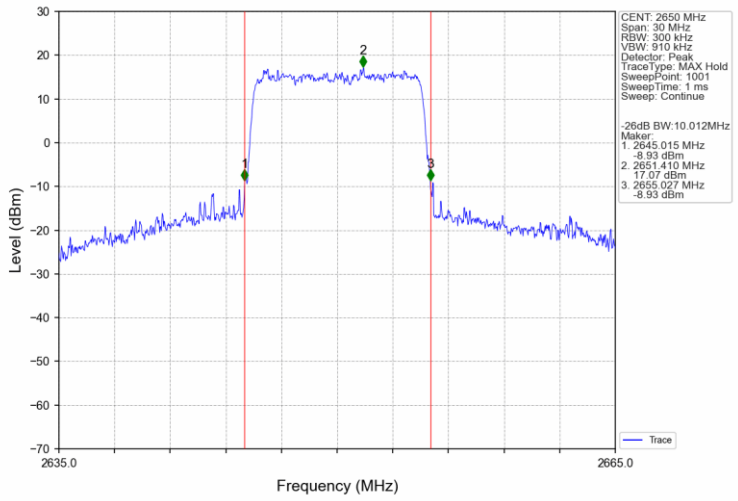
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



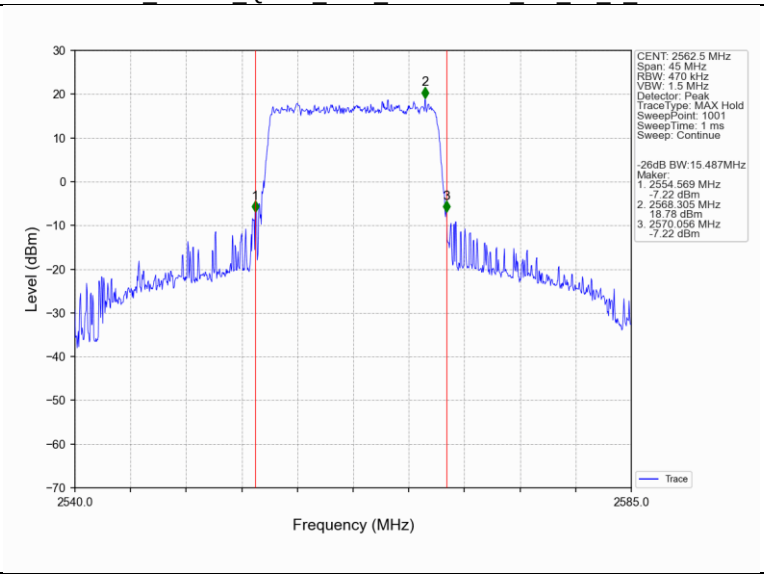
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



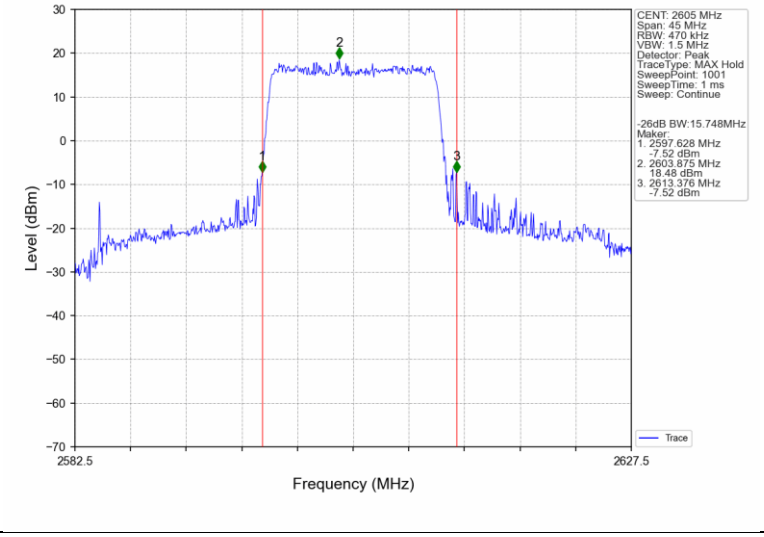
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



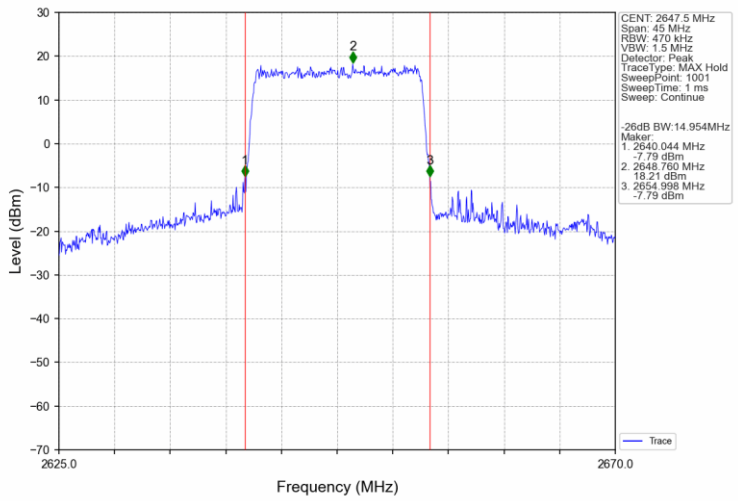
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



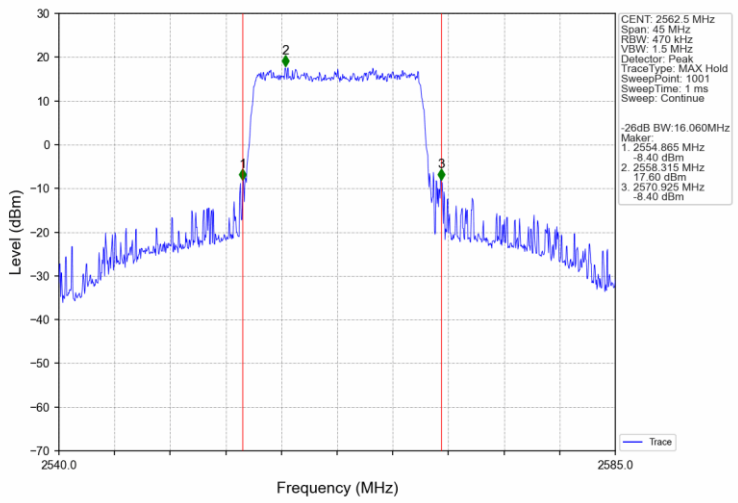
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



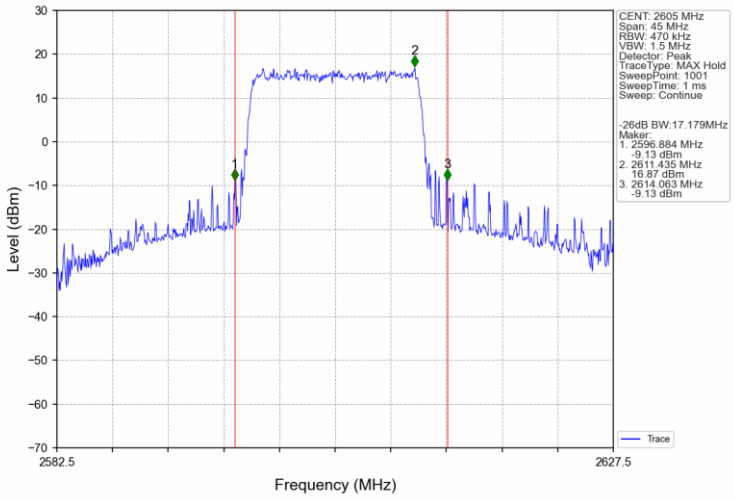
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



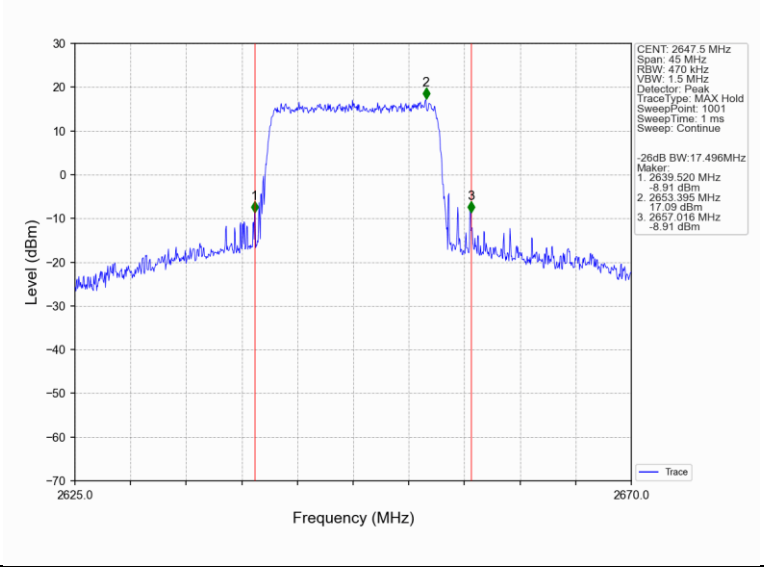
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



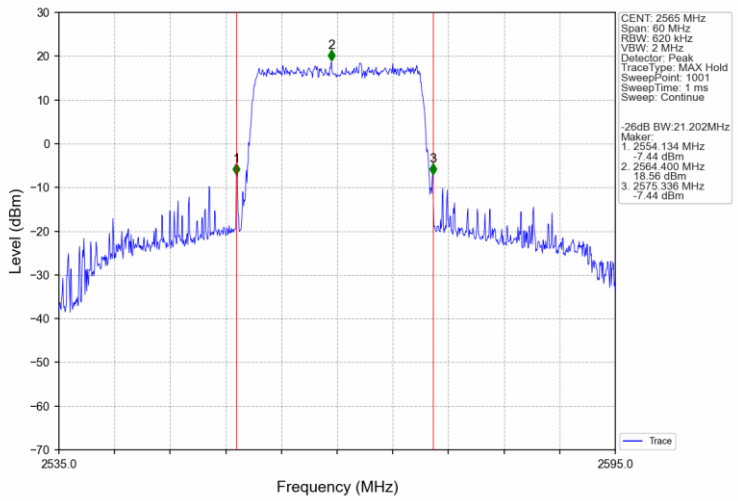
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



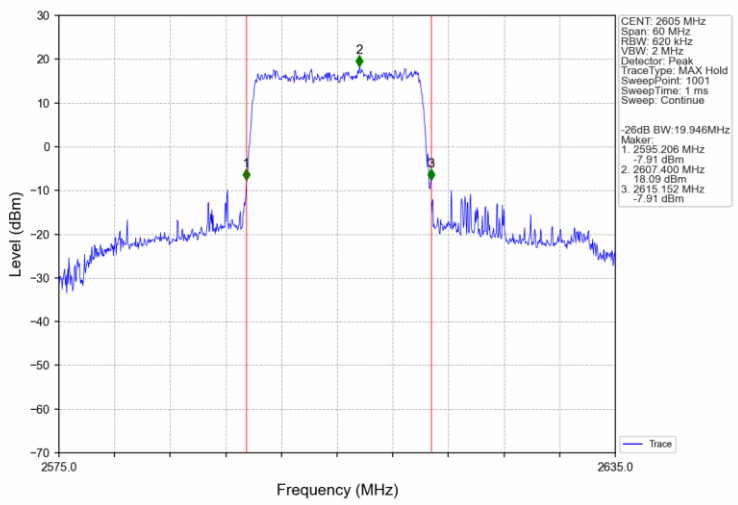
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



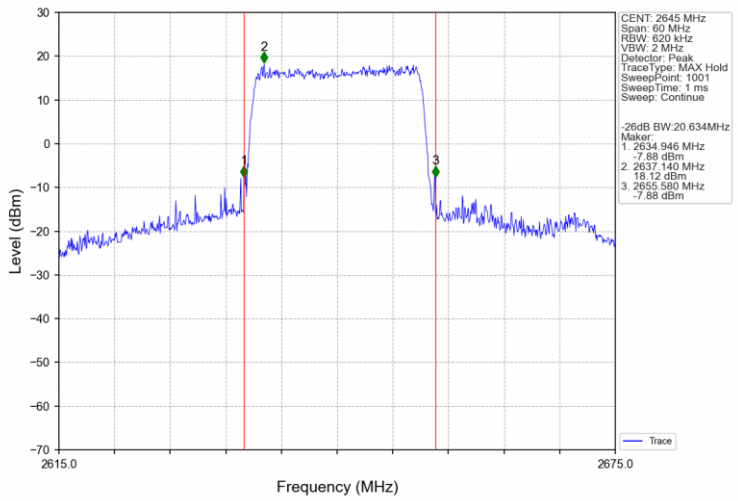
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



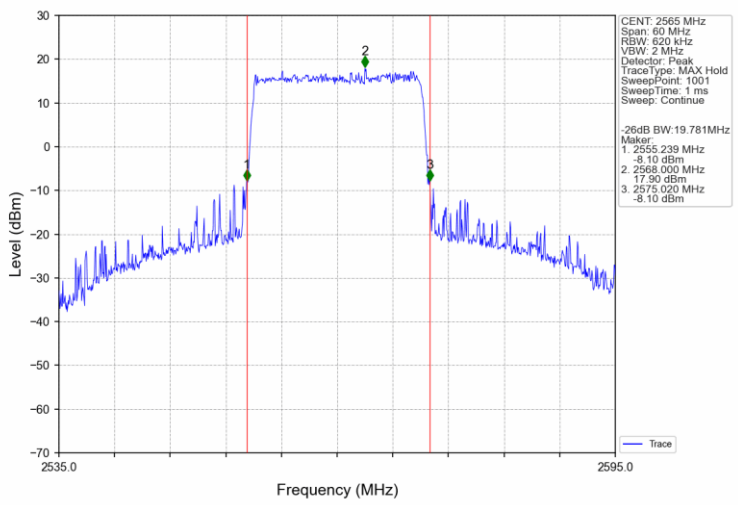
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



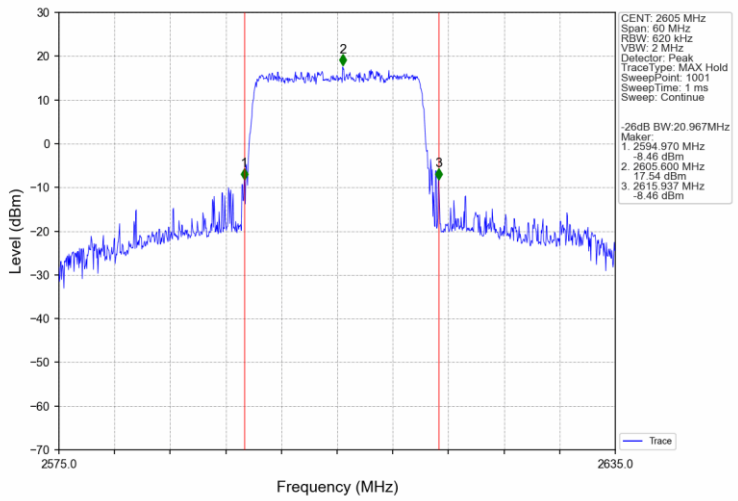
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



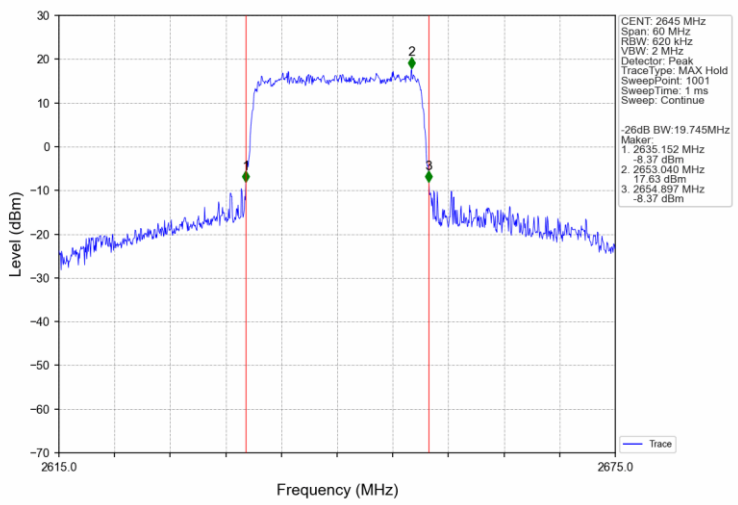
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



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	7.56	<=13	Pass
	2605	25	0	7.63	<=13	Pass
	2652.5	25	0	7.97	<=13	Pass
16QAM	2557.5	25	0	8.10	<=13	Pass
	2605	25	0	8.26	<=13	Pass
	2652.5	25	0	8.67	<=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	7.57	<=13	Pass
	2605	50	0	7.66	<=13	Pass
	2650	50	0	7.90	<=13	Pass
16QAM	2560	50	0	8.39	<=13	Pass
	2605	50	0	8.26	<=13	Pass
	2650	50	0	8.70	<=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	6.88	<=13	Pass
	2605	75	0	7.16	<=13	Pass
	2647.5	75	0	7.40	<=13	Pass
16QAM	2562.5	75	0	8.13	<=13	Pass
	2605	75	0	8.13	<=13	Pass
	2647.5	75	0	8.35	<=13	Pass

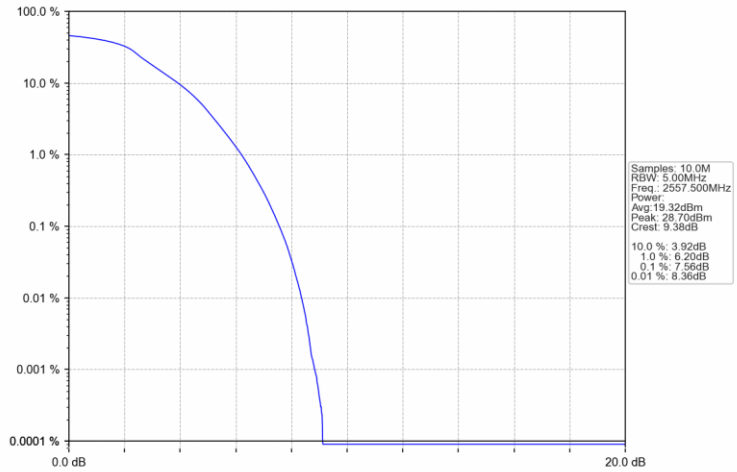
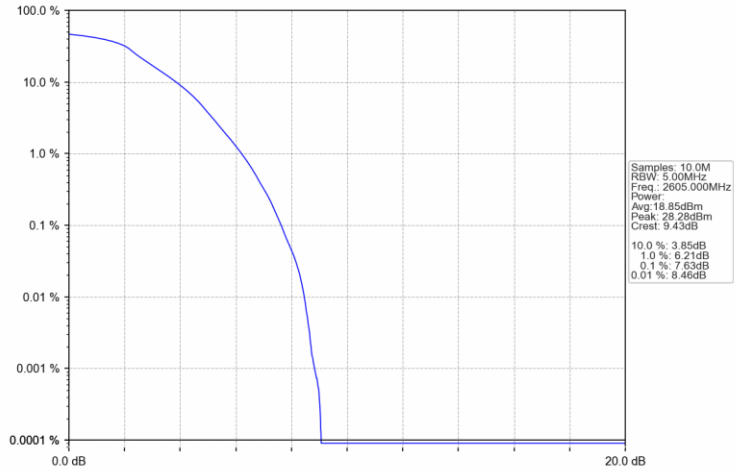
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.61	<=13	Pass
	2605	100	0	7.69	<=13	Pass
	2645	100	0	7.75	<=13	Pass
16QAM	2565	100	0	8.62	<=13	Pass
	2605	100	0	8.66	<=13	Pass
	2645	100	0	8.60	<=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