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	23.87	0.35	24.22	<=33.01	Pass
			13	23.94	0.35	24.29	<=33.01	Pass
			24	23.90	0.35	24.25	<=33.01	Pass
		12	0	22.89	0.35	23.24	<=33.01	Pass
			6	22.90	0.35	23.25	<=33.01	Pass
			13	22.82	0.35	23.17	<=33.01	Pass
		25	0	22.86	0.35	23.21	<=33.01	Pass
	2605	1	0	23.63	0.35	23.98	<=33.01	Pass
			13	23.52	0.35	23.87	<=33.01	Pass
			24	23.63	0.35	23.98	<=33.01	Pass
		12	0	22.50	0.35	22.85	<=33.01	Pass
			6	22.63	0.35	22.98	<=33.01	Pass
			13	22.63	0.35	22.98	<=33.01	Pass
		25	0	22.62	0.35	22.97	<=33.01	Pass
	2652.5	1	0	23.45	0.35	23.80	<=33.01	Pass
			13	23.73	0.35	24.08	<=33.01	Pass
			24	23.62	0.35	23.97	<=33.01	Pass
		12	0	22.73	0.35	23.08	<=33.01	Pass
			6	22.81	0.35	23.16	<=33.01	Pass
			13	22.63	0.35	22.98	<=33.01	Pass
		25	0	22.68	0.35	23.03	<=33.01	Pass
16QAM	2557.5	1	0	23.08	0.35	23.43	<=33.01	Pass
			13	22.86	0.35	23.21	<=33.01	Pass
			24	22.84	0.35	23.19	<=33.01	Pass
		12	0	21.83	0.35	22.18	<=33.01	Pass
			6	21.80	0.35	22.15	<=33.01	Pass
			13	21.72	0.35	22.07	<=33.01	Pass
		25	0	21.82	0.35	22.17	<=33.01	Pass
	2605	1	0	22.54	0.35	22.89	<=33.01	Pass
			13	22.68	0.35	23.03	<=33.01	Pass
			24	22.51	0.35	22.86	<=33.01	Pass
		12	0	21.52	0.35	21.87	<=33.01	Pass
			6	21.52	0.35	21.87	<=33.01	Pass
			13	21.52	0.35	21.87	<=33.01	Pass
		25	0	21.51	0.35	21.86	<=33.01	Pass
	2652.5	1	0	22.71	0.35	23.06	<=33.01	Pass
			13	22.76	0.35	23.11	<=33.01	Pass
			24	22.68	0.35	23.03	<=33.01	Pass
		12	0	21.75	0.35	22.10	<=33.01	Pass
			6	21.64	0.35	21.99	<=33.01	Pass
			13	21.58	0.35	21.93	<=33.01	Pass
		25	0	21.66	0.35	22.01	<=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	23.95	0.35	24.30	<=33.01	Pass
			25	24.11	0.35	24.46	<=33.01	Pass
			49	23.98	0.35	24.33	<=33.01	Pass
		25	0	23.01	0.35	23.36	<=33.01	Pass
			13	22.96	0.35	23.31	<=33.01	Pass
			25	22.90	0.35	23.25	<=33.01	Pass
		50	0	22.89	0.35	23.24	<=33.01	Pass
	2605	1	0	23.52	0.35	23.87	<=33.01	Pass
			25	23.74	0.35	24.09	<=33.01	Pass
			49	23.57	0.35	23.92	<=33.01	Pass
		25	0	22.58	0.35	22.93	<=33.01	Pass
			13	22.58	0.35	22.93	<=33.01	Pass
			25	22.58	0.35	22.93	<=33.01	Pass
		50	0	22.56	0.35	22.91	<=33.01	Pass
	2650	1	0	23.74	0.35	24.09	<=33.01	Pass
			25	23.79	0.35	24.14	<=33.01	Pass
			49	23.58	0.35	23.93	<=33.01	Pass
		25	0	22.74	0.35	23.09	<=33.01	Pass
			13	22.70	0.35	23.05	<=33.01	Pass
			25	22.69	0.35	23.04	<=33.01	Pass
		50	0	22.70	0.35	23.05	<=33.01	Pass
16QAM	2560	1	0	22.94	0.35	23.29	<=33.01	Pass
			25	22.88	0.35	23.23	<=33.01	Pass
			49	22.99	0.35	23.34	<=33.01	Pass
		25	0	21.89	0.35	22.24	<=33.01	Pass
			13	21.89	0.35	22.24	<=33.01	Pass
			25	21.88	0.35	22.23	<=33.01	Pass
		50	0	21.84	0.35	22.19	<=33.01	Pass
	2605	1	0	22.77	0.35	23.12	<=33.01	Pass
			25	22.66	0.35	23.01	<=33.01	Pass
			49	22.79	0.35	23.14	<=33.01	Pass
		25	0	21.53	0.35	21.88	<=33.01	Pass
			13	21.50	0.35	21.85	<=33.01	Pass
			25	21.66	0.35	22.01	<=33.01	Pass
		50	0	21.64	0.35	21.99	<=33.01	Pass
	2650	1	0	22.53	0.35	22.88	<=33.01	Pass
			25	22.78	0.35	23.13	<=33.01	Pass
			49	22.56	0.35	22.91	<=33.01	Pass
		25	0	21.71	0.35	22.06	<=33.01	Pass
			13	21.74	0.35	22.09	<=33.01	Pass
			25	21.82	0.35	22.17	<=33.01	Pass
		50	0	21.69	0.35	22.04	<=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	23.85	0.35	24.20	<=33.01	Pass
			38	23.96	0.35	24.31	<=33.01	Pass
			74	23.81	0.35	24.16	<=33.01	Pass
		36	0	22.96	0.35	23.31	<=33.01	Pass
			18	23.01	0.35	23.36	<=33.01	Pass
			39	22.97	0.35	23.32	<=33.01	Pass
		75	0	22.89	0.35	23.24	<=33.01	Pass
	2605	1	0	23.52	0.35	23.87	<=33.01	Pass
			38	23.74	0.35	24.09	<=33.01	Pass
			74	23.51	0.35	23.86	<=33.01	Pass
		36	0	22.68	0.35	23.03	<=33.01	Pass
			18	22.60	0.35	22.95	<=33.01	Pass
			39	22.56	0.35	22.91	<=33.01	Pass
		75	0	22.58	0.35	22.93	<=33.01	Pass
	2647.5	1	0	23.77	0.35	24.12	<=33.01	Pass
			38	23.84	0.35	24.19	<=33.01	Pass
			74	23.62	0.35	23.97	<=33.01	Pass
		36	0	22.76	0.35	23.11	<=33.01	Pass
			18	22.74	0.35	23.09	<=33.01	Pass
			39	22.63	0.35	22.98	<=33.01	Pass
		75	0	22.71	0.35	23.06	<=33.01	Pass
16QAM	2562.5	1	0	22.87	0.35	23.22	<=33.01	Pass
			38	22.93	0.35	23.28	<=33.01	Pass
			74	22.83	0.35	23.18	<=33.01	Pass
		36	0	21.86	0.35	22.21	<=33.01	Pass
			18	21.90	0.35	22.25	<=33.01	Pass
			39	21.88	0.35	22.23	<=33.01	Pass
		75	0	21.91	0.35	22.26	<=33.01	Pass
	2605	1	0	22.85	0.35	23.20	<=33.01	Pass
			38	22.93	0.35	23.28	<=33.01	Pass
			74	22.76	0.35	23.11	<=33.01	Pass
		36	0	21.55	0.35	21.90	<=33.01	Pass
			18	21.52	0.35	21.87	<=33.01	Pass
			39	21.52	0.35	21.87	<=33.01	Pass
		75	0	21.53	0.35	21.88	<=33.01	Pass
	2647.5	1	0	22.47	0.35	22.82	<=33.01	Pass
			38	22.56	0.35	22.91	<=33.01	Pass
			74	22.46	0.35	22.81	<=33.01	Pass
		36	0	21.67	0.35	22.02	<=33.01	Pass
			18	21.76	0.35	22.11	<=33.01	Pass
			39	21.65	0.35	22.00	<=33.01	Pass
		75	0	21.76	0.35	22.11	<=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	23.70	0.35	24.05	<=33.01	Pass
			50	24.18	0.35	24.53	<=33.01	Pass
			99	23.69	0.35	24.04	<=33.01	Pass
		50	0	22.86	0.35	23.21	<=33.01	Pass
			25	22.82	0.35	23.17	<=33.01	Pass
			50	22.88	0.35	23.23	<=33.01	Pass
		100	0	22.76	0.35	23.11	<=33.01	Pass
	2605	1	0	23.30	0.35	23.65	<=33.01	Pass
			50	23.71	0.35	24.06	<=33.01	Pass
			99	23.26	0.35	23.61	<=33.01	Pass
		50	0	22.63	0.35	22.98	<=33.01	Pass
			25	22.63	0.35	22.98	<=33.01	Pass
			50	22.51	0.35	22.86	<=33.01	Pass
		100	0	22.52	0.35	22.87	<=33.01	Pass
	2645	1	0	23.54	0.35	23.89	<=33.01	Pass
			50	23.79	0.35	24.14	<=33.01	Pass
			99	23.16	0.35	23.51	<=33.01	Pass
		50	0	22.60	0.35	22.95	<=33.01	Pass
			25	22.65	0.35	23.00	<=33.01	Pass
			50	22.69	0.35	23.04	<=33.01	Pass
		100	0	22.59	0.35	22.94	<=33.01	Pass
16QAM	2565	1	0	22.89	0.35	23.24	<=33.01	Pass
			50	23.01	0.35	23.36	<=33.01	Pass
			99	22.63	0.35	22.98	<=33.01	Pass
		50	0	21.77	0.35	22.12	<=33.01	Pass
			25	21.84	0.35	22.19	<=33.01	Pass
			50	21.80	0.35	22.15	<=33.01	Pass
		100	0	21.74	0.35	22.09	<=33.01	Pass
	2605	1	0	22.24	0.35	22.59	<=33.01	Pass
			50	22.71	0.35	23.06	<=33.01	Pass
			99	22.40	0.35	22.75	<=33.01	Pass
		50	0	21.49	0.35	21.84	<=33.01	Pass
			25	21.55	0.35	21.90	<=33.01	Pass
			50	21.53	0.35	21.88	<=33.01	Pass
		100	0	21.48	0.35	21.83	<=33.01	Pass
	2645	1	0	22.23	0.35	22.58	<=33.01	Pass
			50	22.39	0.35	22.74	<=33.01	Pass
			99	22.12	0.35	22.47	<=33.01	Pass
		50	0	21.62	0.35	21.97	<=33.01	Pass
			25	21.85	0.35	22.20	<=33.01	Pass
			50	21.64	0.35	21.99	<=33.01	Pass
		100	0	21.65	0.35	22.00	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2557.5	25	0	20	3.27	-8.397	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.190	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-10.271	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-10.214	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-13.490	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-28.067	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-22.559	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-20.599	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-20.599	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-18.268	-0.0071	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-14.205	-0.0055	-2.5 to 2.5	Pass
					3.85	-13.561	-0.0052	-2.5 to 2.5	Pass
					4.43	-12.059	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-23.961	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-32.573	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-26.121	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-30.155	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-13.862	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-24.061	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-22.902	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-20.514	-0.0079	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-9.713	-0.0037	-2.5 to 2.5	Pass
					3.85	-18.568	-0.0070	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-11.916	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-13.576	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-11.601	-0.0044	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				40	3.85	5.136	0.0019	-2.5 to 2.5	Pass
				50	3.85	-19.884	-0.0075	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-20.056	-0.0078	-2.5 to 2.5	Pass
					3.85	-10.772	-0.0042	-2.5 to 2.5	Pass
					4.43	-18.954	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-9.971	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-21.443	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-22.631	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-18.468	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-26.164	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-26.865	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-24.948	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-29.998	-0.0117	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-22.359	-0.0086	-2.5 to 2.5	Pass
					3.85	-25.077	-0.0096	-2.5 to 2.5	Pass
					4.43	-13.218	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-27.666	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-10.929	-0.0042	-2.5 to 2.5	Pass

				-10	3.85	-28.911	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-19.984	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-14.606	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-17.252	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-17.395	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-28.439	-0.0109	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-2.117	-0.0008	-2.5 to 2.5	Pass
					3.85	2.217	0.0008	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-18.711	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-12.259	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-10.071	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-14.319	-0.0054	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-10.042	-0.0038	-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	-16.437	-0.0064	-2.5 to 2.5	Pass
					3.85	-10.557	-0.0041	-2.5 to 2.5	Pass
					4.43	-10.028	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-12.517	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-13.590	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-7.138	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-10.986	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-10.428	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-1.931	-0.0007	-2.5 to 2.5	Pass
					3.85	-16.665	-0.0064	-2.5 to 2.5	Pass
					4.43	-11.044	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-7.610	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-21.915	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-15.678	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-9.069	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-13.833	-0.0053	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-8.841	-0.0033	-2.5 to 2.5	Pass
					3.85	1.316	0.0005	-2.5 to 2.5	Pass
					4.43	-10.643	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-12.546	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-15.121	-0.0057	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				30	3.85	-17.323	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-11.415	-0.0043	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	5.636	0.0022	-2.5 to 2.5	Pass
					3.85	-10.242	-0.0040	-2.5 to 2.5	Pass

					4.43	-5.150	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-12.903	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-8.082	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-8.240	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-12.460	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-11.430	-0.0044	-2.5 to 2.5	Pass
					3.85	-7.796	-0.0030	-2.5 to 2.5	Pass
					4.43	-15.879	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-13.347	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-13.089	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-14.462	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-21.973	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-13.633	-0.0052	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-15.879	-0.0060	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0032	-2.5 to 2.5	Pass
					4.43	-16.637	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				10	3.85	-18.554	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-10.400	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-19.941	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-14.606	-0.0055	-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	-9.913	-0.0039	-2.5 to 2.5	Pass
					3.85	-16.766	-0.0065	-2.5 to 2.5	Pass
					4.43	-15.392	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-16.365	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-9.584	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-13.475	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-10.843	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-12.331	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-12.388	-0.0048	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-10.257	-0.0039	-2.5 to 2.5	Pass
					3.85	-16.580	-0.0064	-2.5 to 2.5	Pass
					4.43	-6.123	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-17.080	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-11.830	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-11.702	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-12.374	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-9.856	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0034	-2.5 to 2.5	Pass

				50	3.85	-9.913	-0.0038	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-10.686	-0.0040	-2.5 to 2.5	Pass
					3.85	-9.556	-0.0036	-2.5 to 2.5	Pass
					4.43	-8.454	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-9.499	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-14.005	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-9.427	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-13.161	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-11.516	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-20.256	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-17.295	-0.0065	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-5.507	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.536	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-17.481	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-8.526	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-14.420	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-11.029	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-15.693	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-17.338	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0040	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-13.304	-0.0051	-2.5 to 2.5	Pass
					3.85	-9.484	-0.0036	-2.5 to 2.5	Pass
					4.43	-8.354	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-10.600	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-8.154	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0004	-2.5 to 2.5	Pass
				0	3.85	-14.248	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-8.211	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-15.721	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-9.241	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-7.367	-0.0028	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-3.362	-0.0013	-2.5 to 2.5	Pass
					3.85	0.787	0.0003	-2.5 to 2.5	Pass
					4.43	-10.486	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-8.683	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-16.379	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-10.657	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-11.659	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-11.644	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.855	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-20.070	-0.0076	-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	-14.076	-0.0055	-2.5 to 2.5	Pass
					3.85	-14.434	-0.0056	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-12.517	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.779	-0.0023	-2.5 to 2.5	Pass

				10	3.85	-6.924	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-10.514	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-8.025	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-17.238	-0.0067	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-13.475	-0.0052	-2.5 to 2.5	Pass
					3.85	-19.641	-0.0075	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-9.484	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-9.556	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-16.837	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-11.072	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-4.964	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-10.443	-0.0040	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-19.584	-0.0074	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0008	-2.5 to 2.5	Pass
					4.43	-8.798	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-7.496	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-12.474	-0.0047	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-10.057	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-13.375	-0.0051	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-1.073	-0.0004	-2.5 to 2.5	Pass
					3.85	-13.461	-0.0052	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-11.716	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-14.749	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-10.128	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0025	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-11.244	-0.0043	-2.5 to 2.5	Pass
					3.85	-11.530	-0.0044	-2.5 to 2.5	Pass
					4.43	-11.401	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-13.018	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-12.445	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-9.327	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-10.786	-0.0041	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				40	3.85	-12.646	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-13.118	-0.0050	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-7.954	-0.0030	-2.5 to 2.5	Pass
					3.85	-11.587	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-14.062	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-4.578	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-11.559	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-13.146	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-9.899	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.795	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-12.345	-0.0047	-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

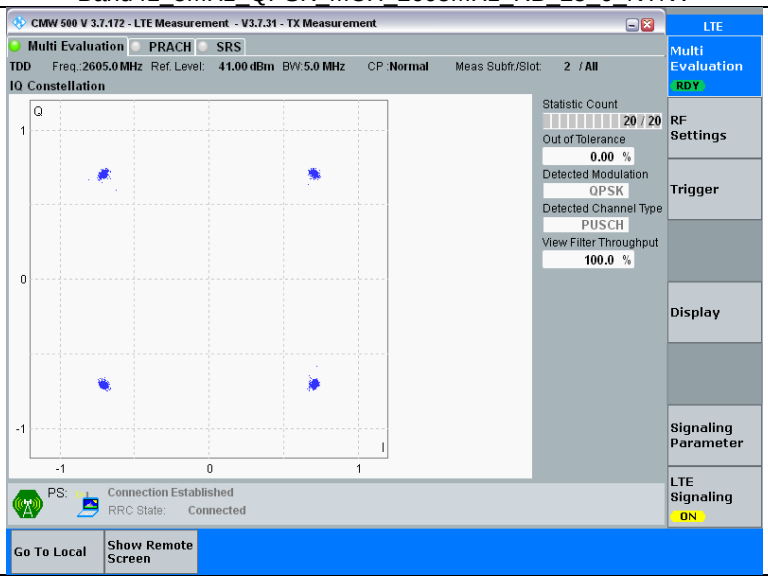
3.1.4 B41_20MHz

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

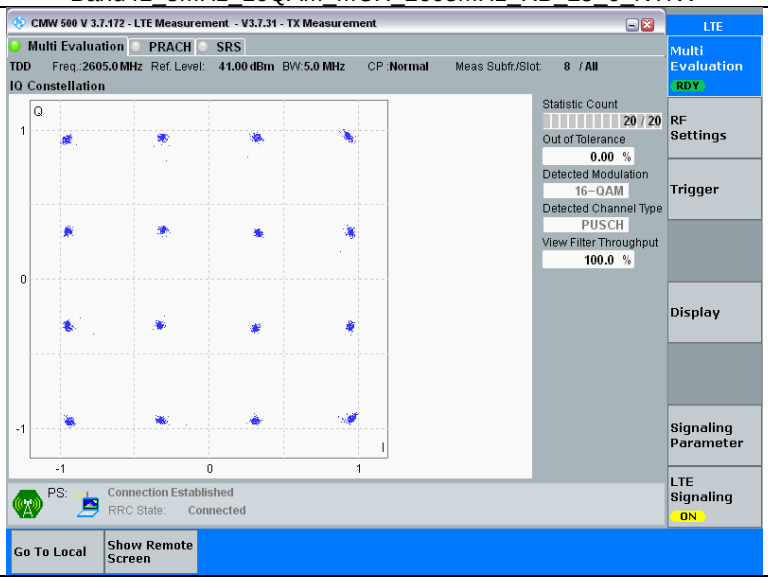
3.2 Test Graph

3.2.1 B41_5MHz

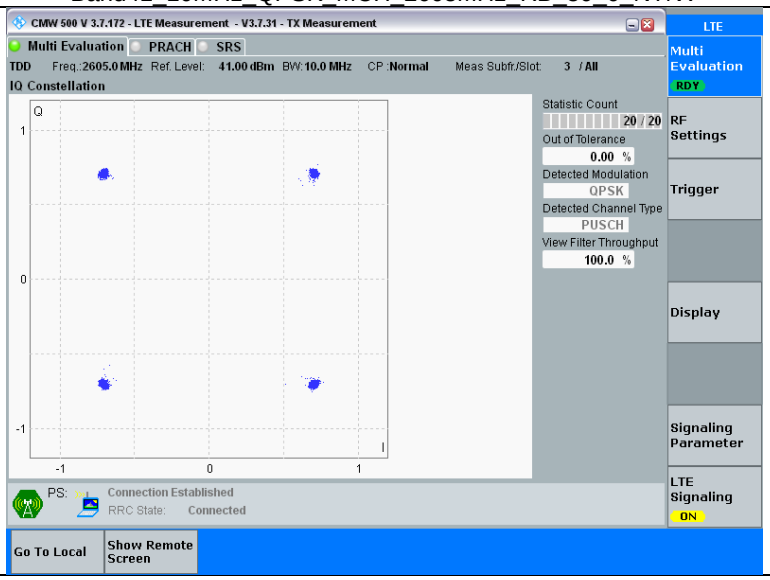
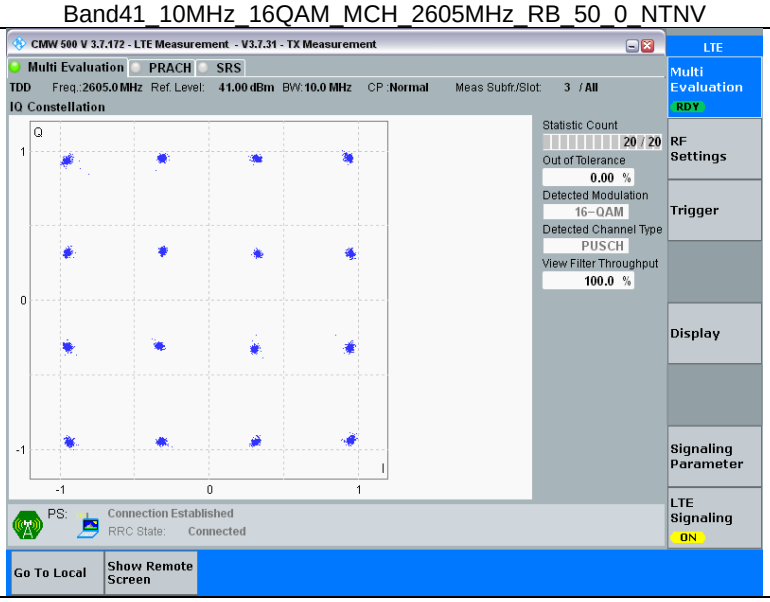
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



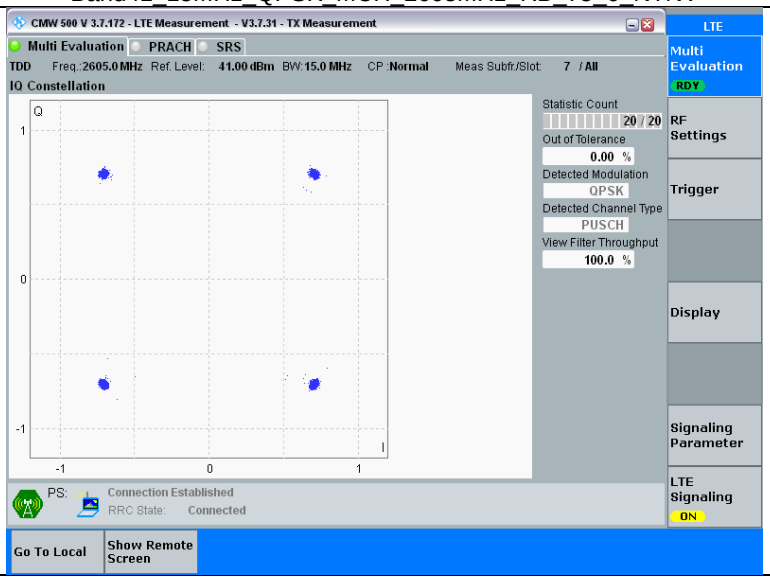
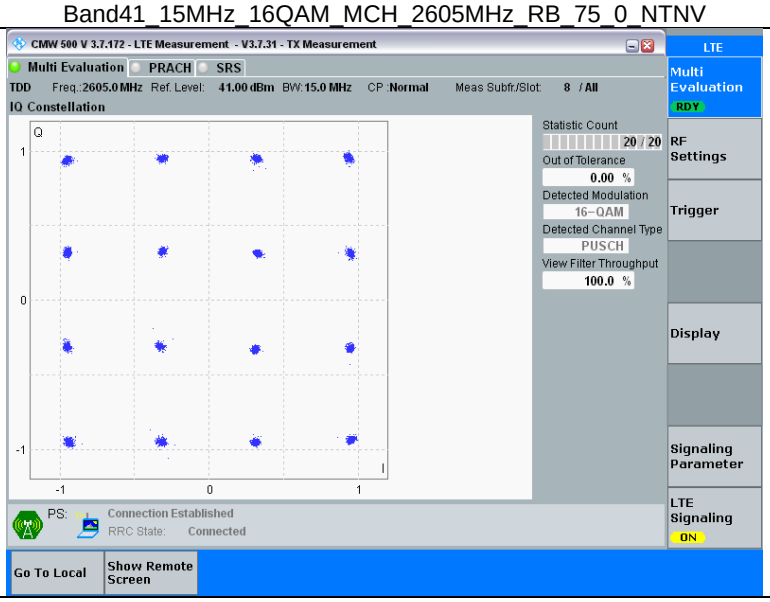
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



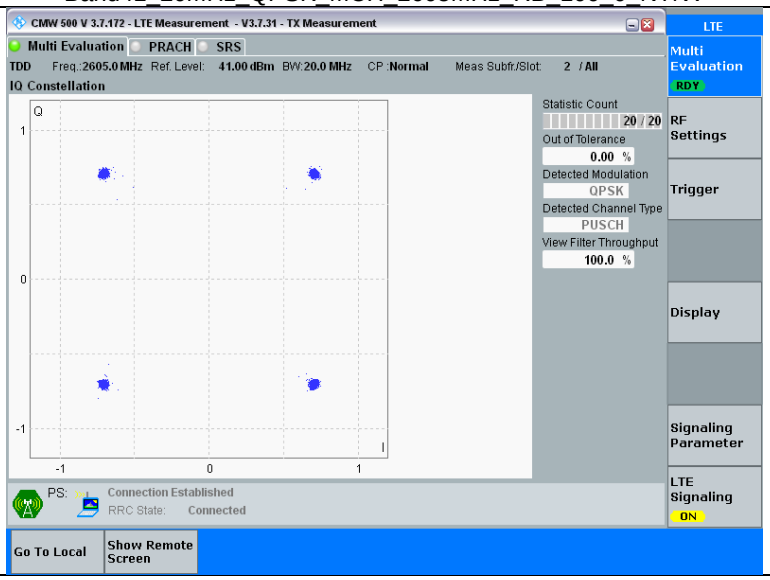
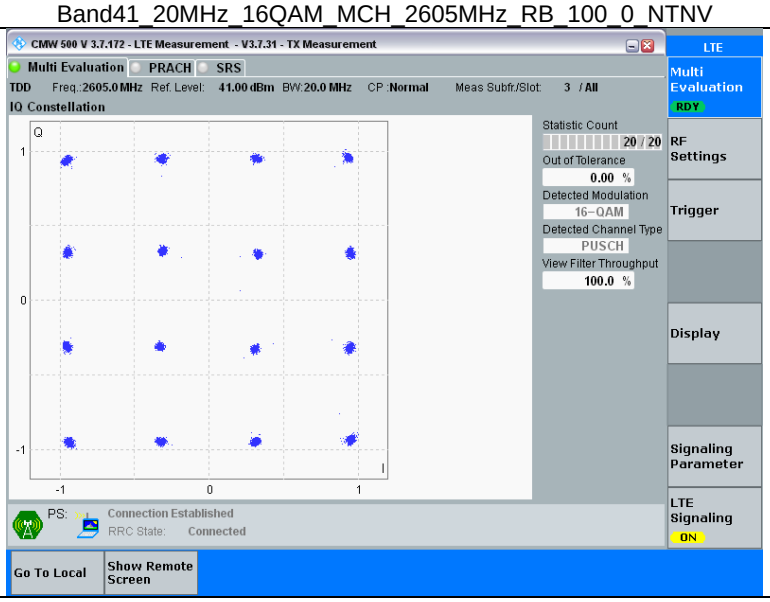
3.2.2 B41_10MHz

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	4.549	/	Pass
		2605	25	0	4.546	/	Pass
		2652.5	25	0	4.552	/	Pass
	16QAM	2557.5	25	0	4.548	/	Pass
		2605	25	0	4.524	/	Pass
		2652.5	25	0	4.557	/	Pass
10	QPSK	2560	50	0	9.062	/	Pass
		2605	50	0	9.054	/	Pass
		2650	50	0	9.069	/	Pass
	16QAM	2560	50	0	9.072	/	Pass
		2605	50	0	9.080	/	Pass
		2650	50	0	9.066	/	Pass
15	QPSK	2562.5	75	0	13.602	/	Pass
		2605	75	0	13.542	/	Pass
		2647.5	75	0	13.593	/	Pass
	16QAM	2562.5	75	0	13.593	/	Pass
		2605	75	0	13.611	/	Pass
		2647.5	75	0	13.609	/	Pass
20	QPSK	2565	100	0	18.122	/	Pass
		2605	100	0	18.118	/	Pass
		2645	100	0	18.094	/	Pass
	16QAM	2565	100	0	18.119	/	Pass
		2605	100	0	18.114	/	Pass
		2645	100	0	18.067	/	Pass

4.1.2 Band41_XDB

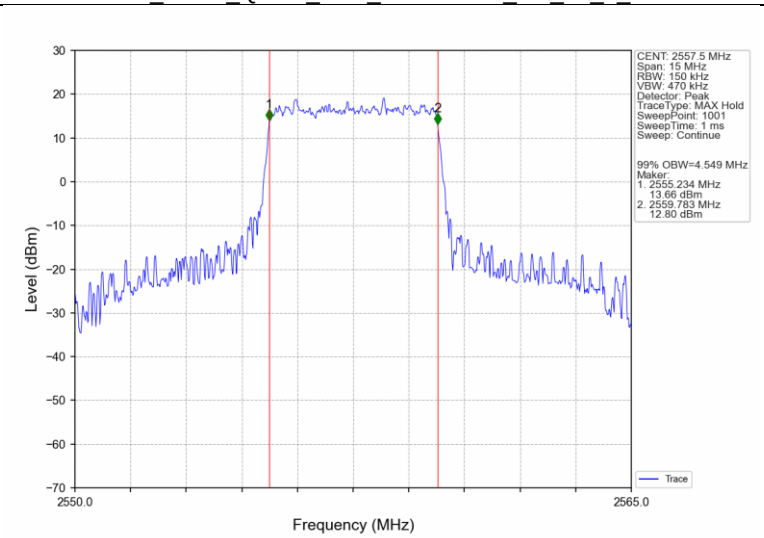
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.089	/	Pass
		2605	25	0	5.278	/	Pass
		2652.5	25	0	4.990	/	Pass
	16QAM	2557.5	25	0	5.287	/	Pass
		2605	25	0	5.059	/	Pass
		2652.5	25	0	5.001	/	Pass
10	QPSK	2560	50	0	11.320	/	Pass
		2605	50	0	10.511	/	Pass
		2650	50	0	10.281	/	Pass
	16QAM	2560	50	0	10.940	/	Pass
		2605	50	0	11.176	/	Pass
		2650	50	0	9.928	/	Pass
15	QPSK	2562.5	75	0	16.491	/	Pass
		2605	75	0	15.457	/	Pass
		2647.5	75	0	15.528	/	Pass
	16QAM	2562.5	75	0	16.127	/	Pass
		2605	75	0	17.627	/	Pass
		2647.5	75	0	15.166	/	Pass
20	QPSK	2565	100	0	19.763	/	Pass

		2605	100	0	24.074	/	Pass
		2645	100	0	21.005	/	Pass
	16QAM	2565	100	0	20.488	/	Pass
		2605	100	0	20.421	/	Pass
		2645	100	0	20.884	/	Pass

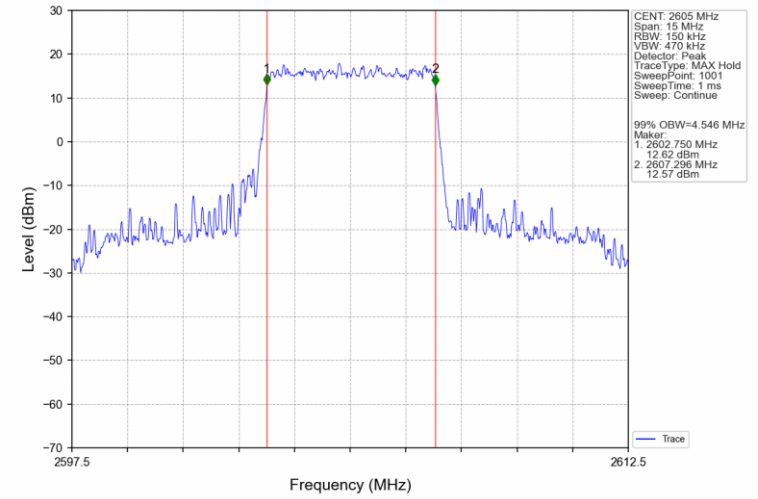
4.2 Test Graph

4.2.1 Band41_OBW

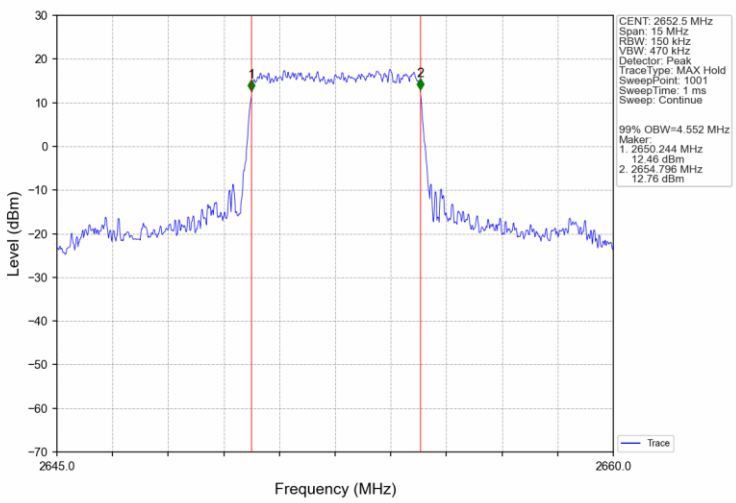
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



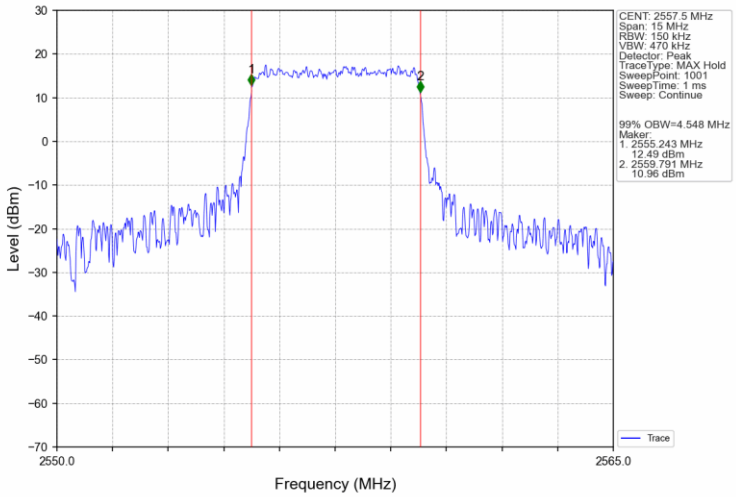
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV

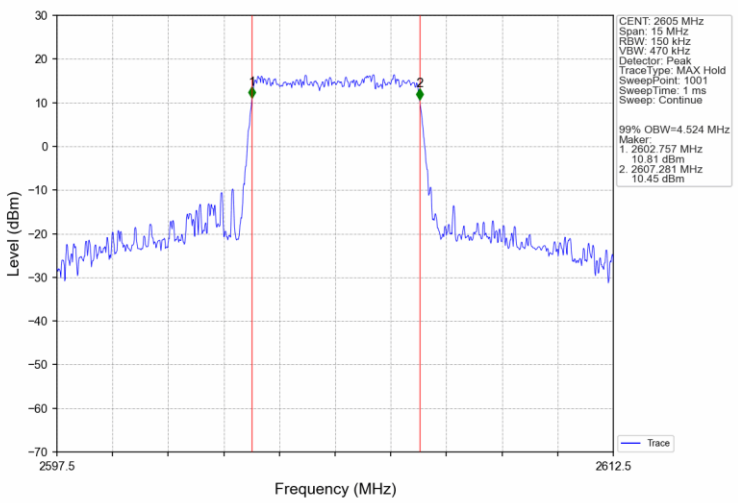
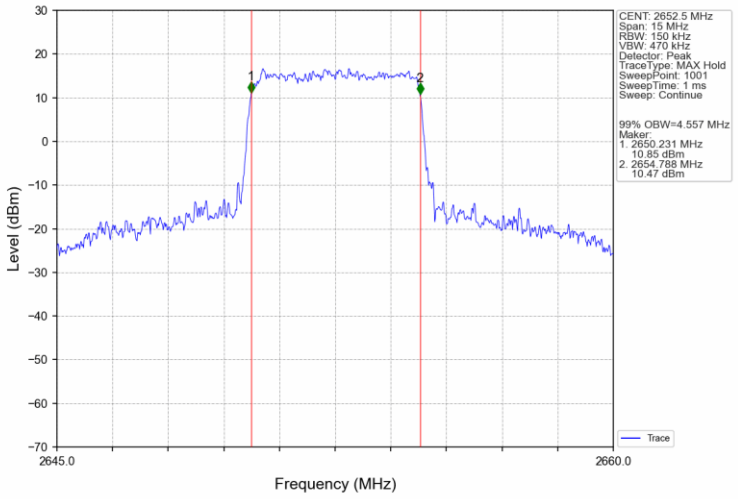


Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV

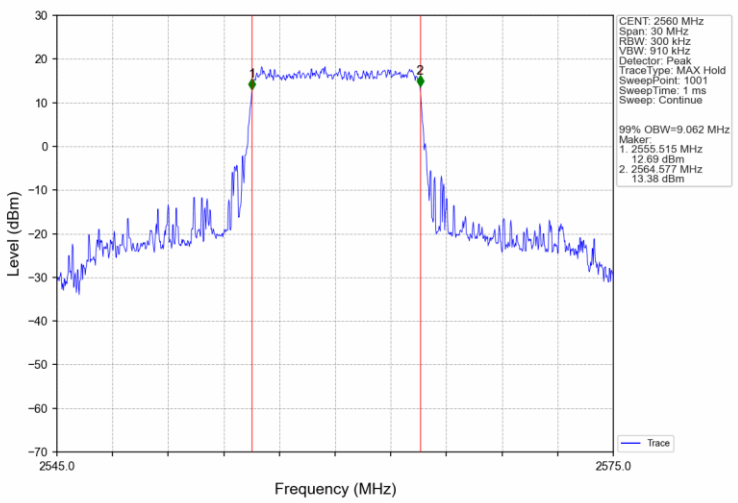


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV

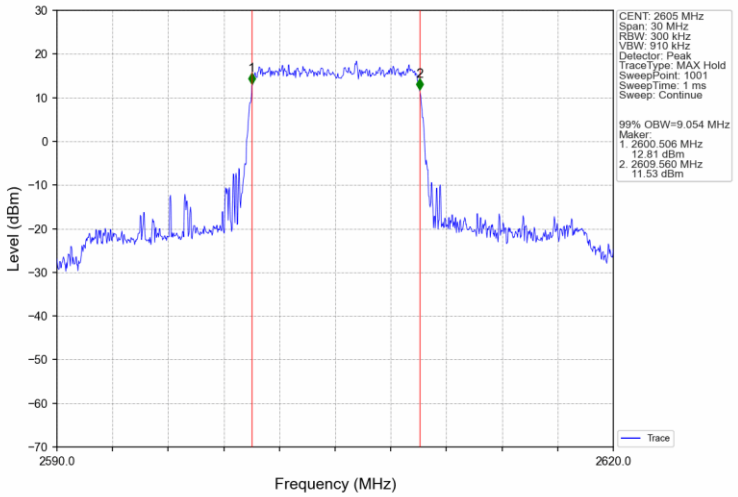


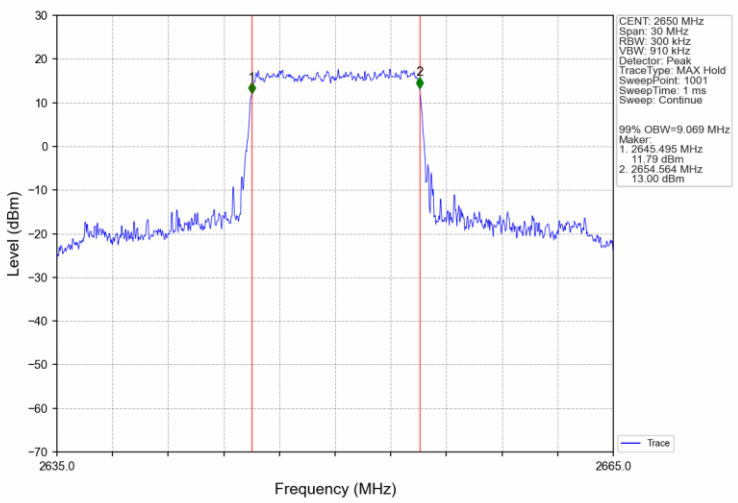
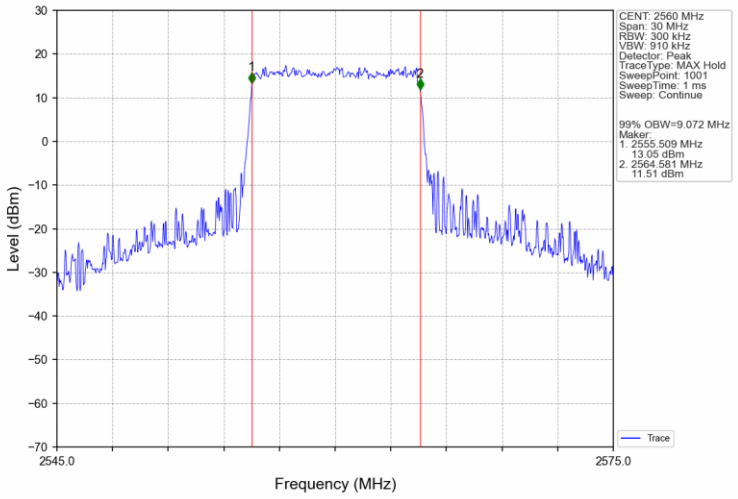
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV

Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV


Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV

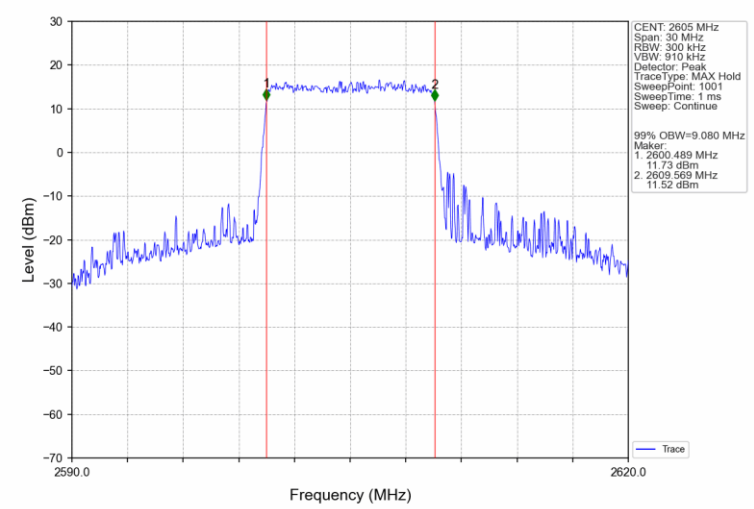


Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV

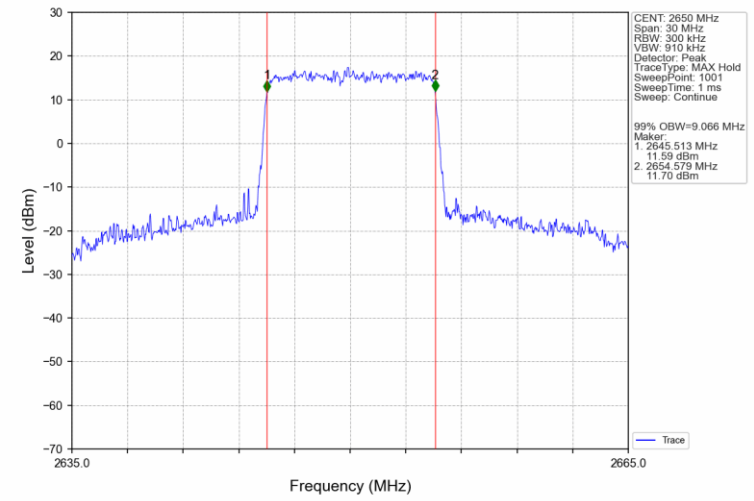


Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV

Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV


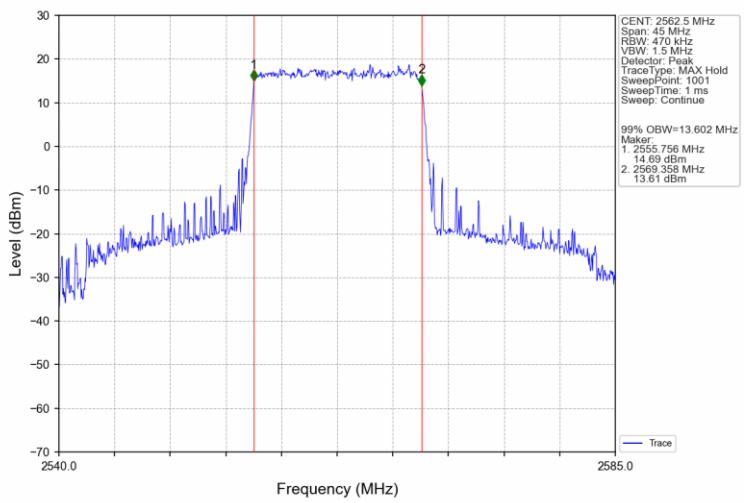
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



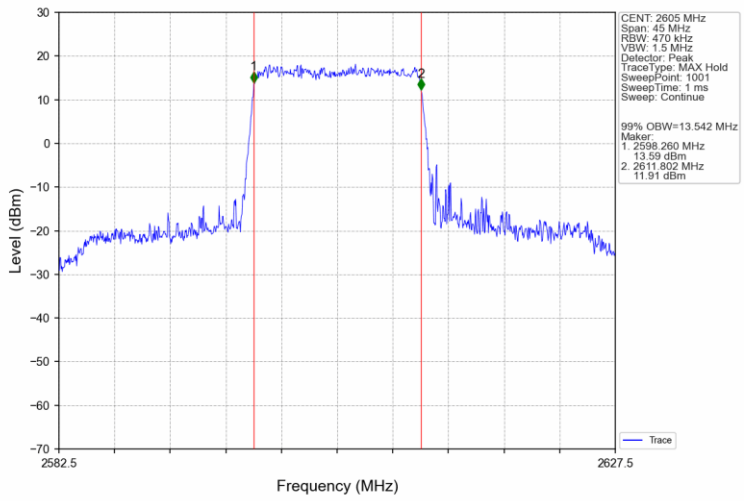
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



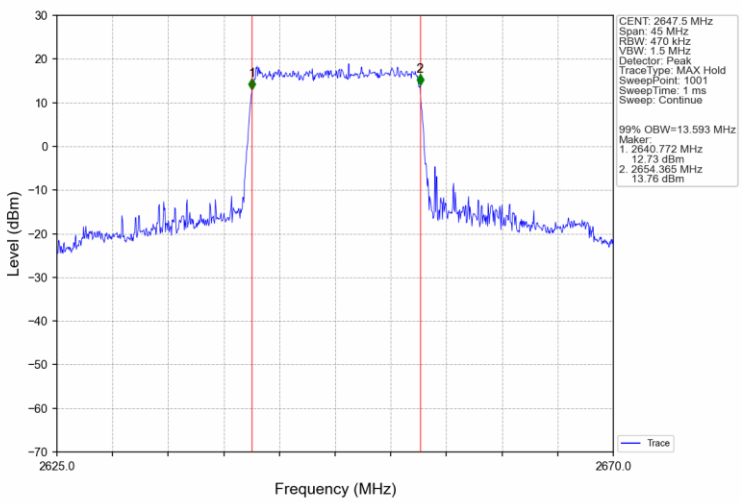
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



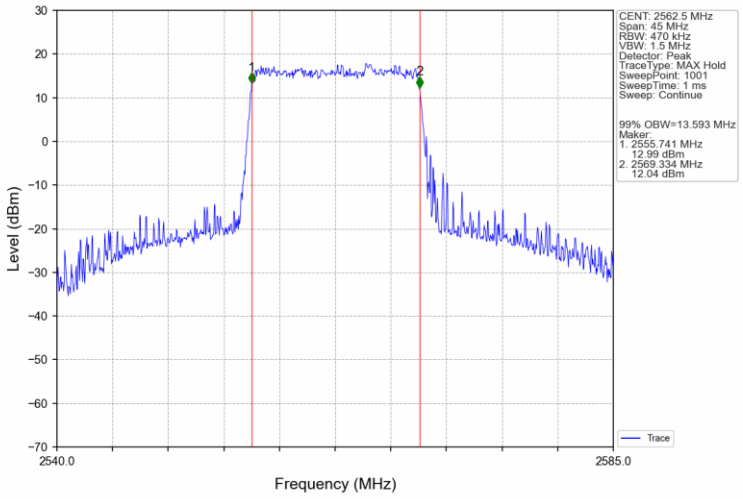
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



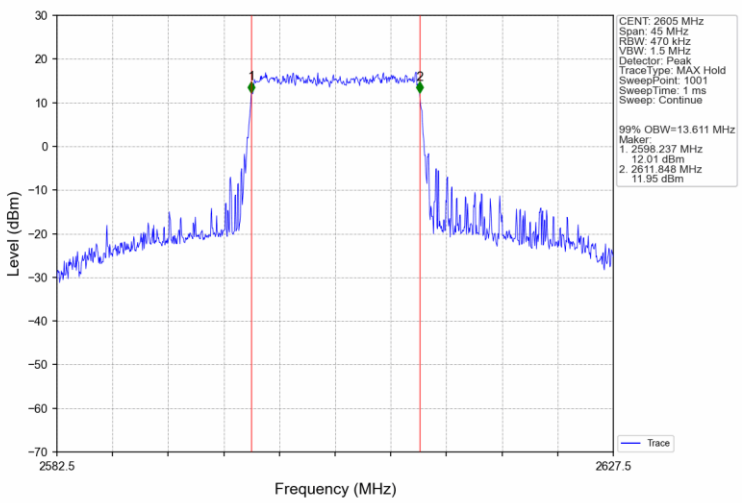
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



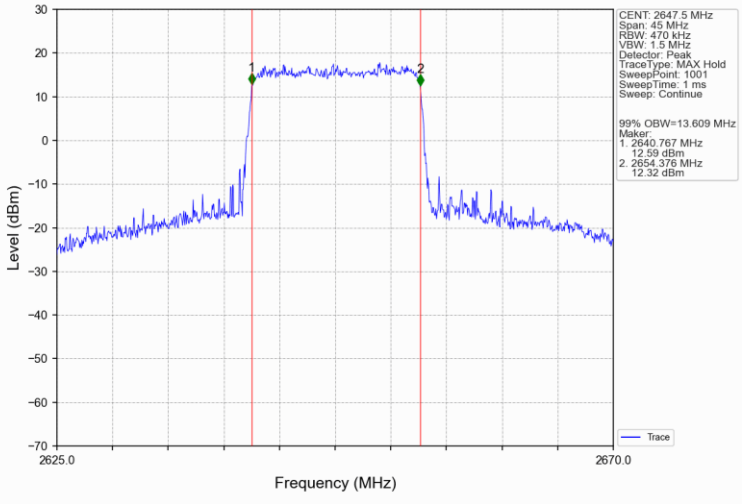
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



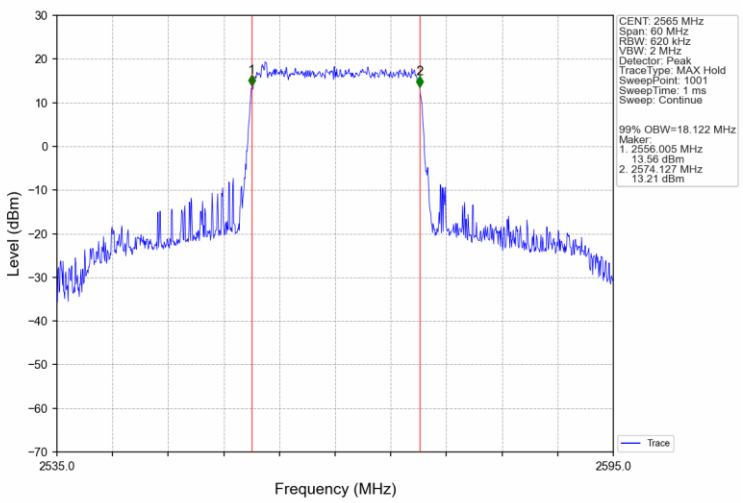
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



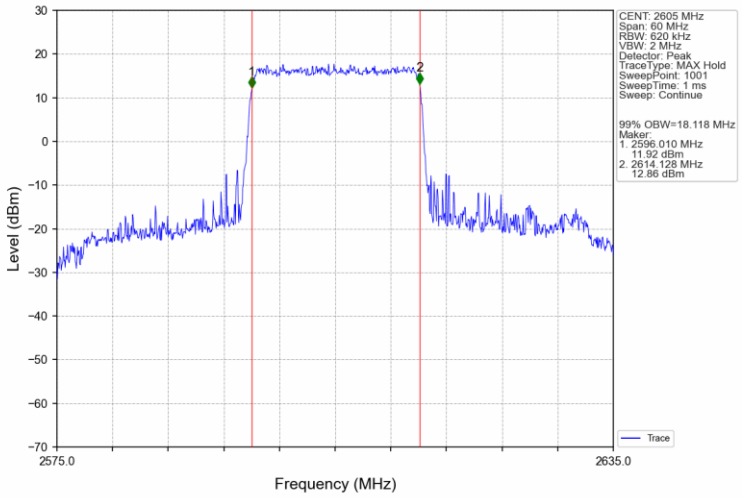
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



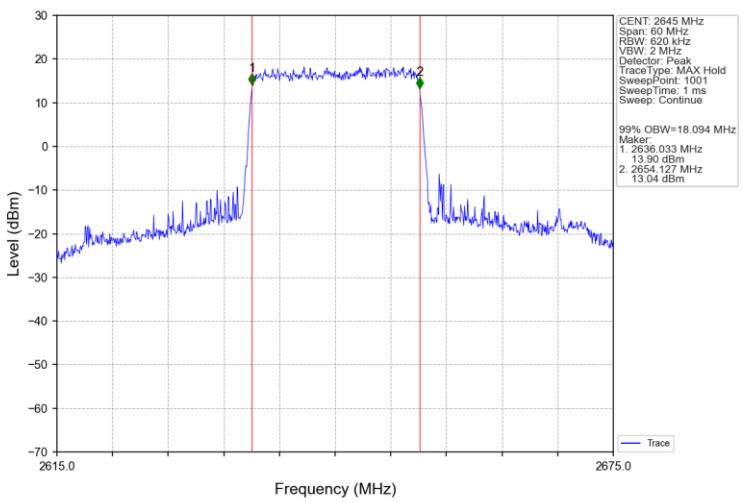
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



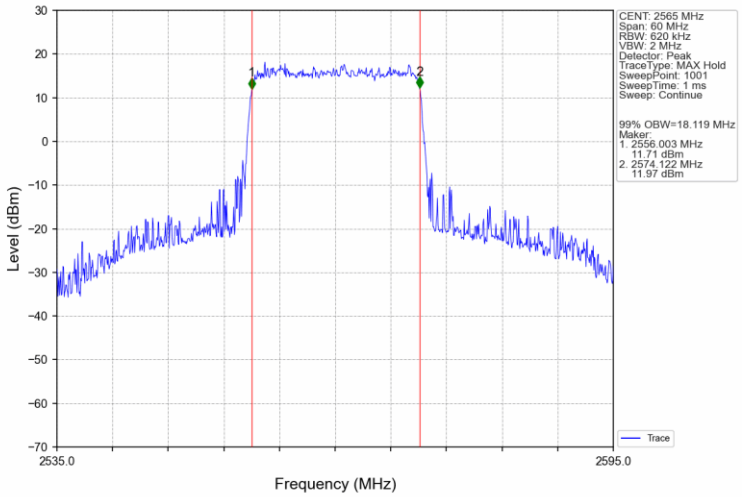
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



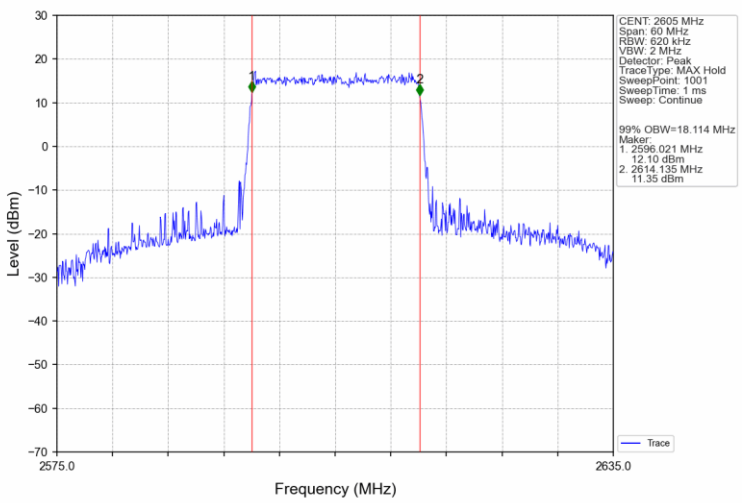
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



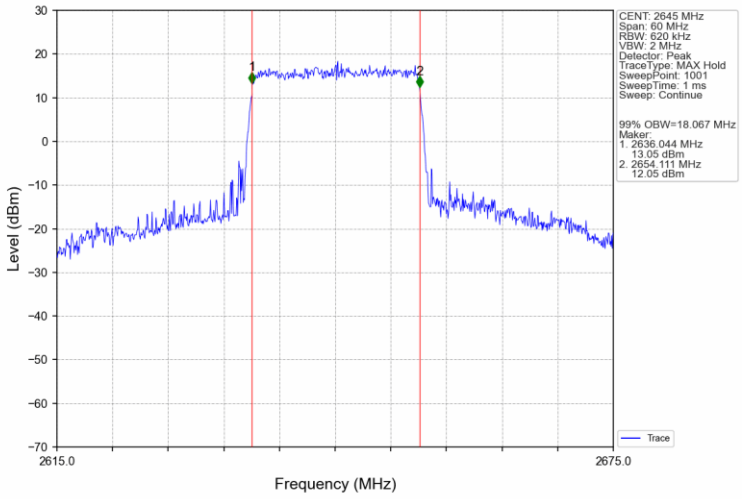
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

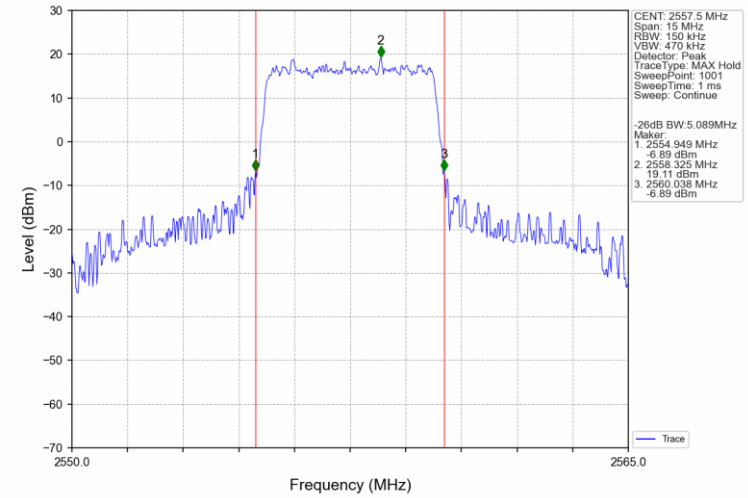


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

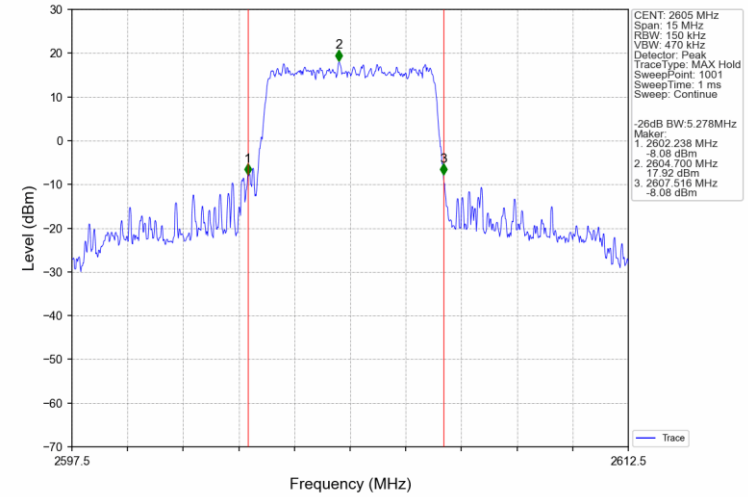


4.2.2 Band41_XDB

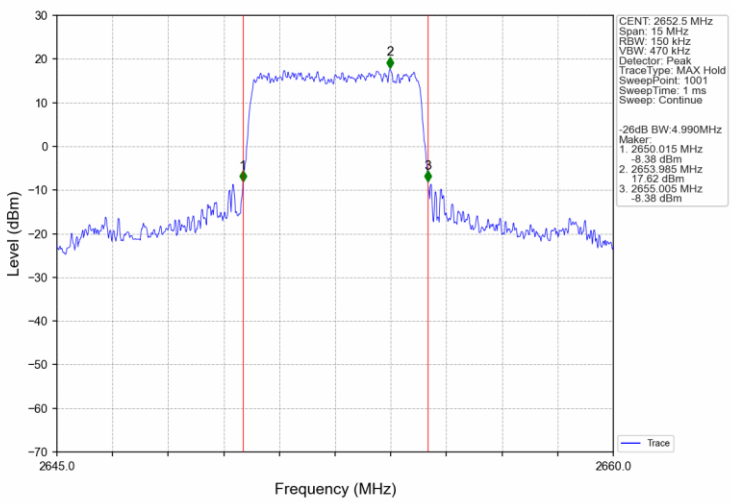
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



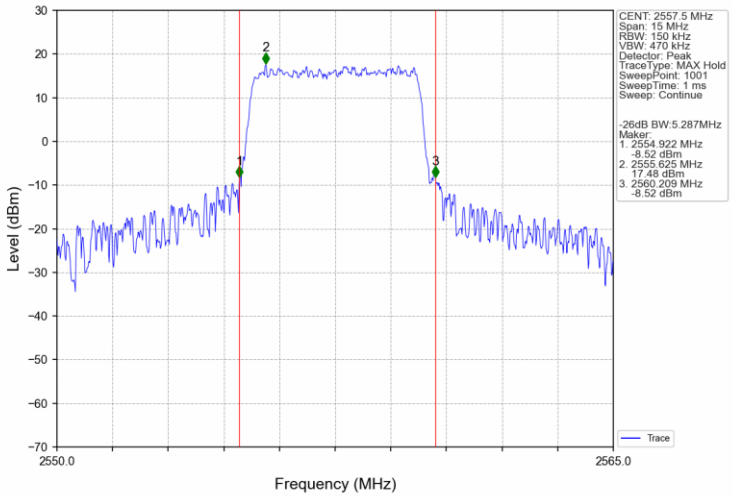
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



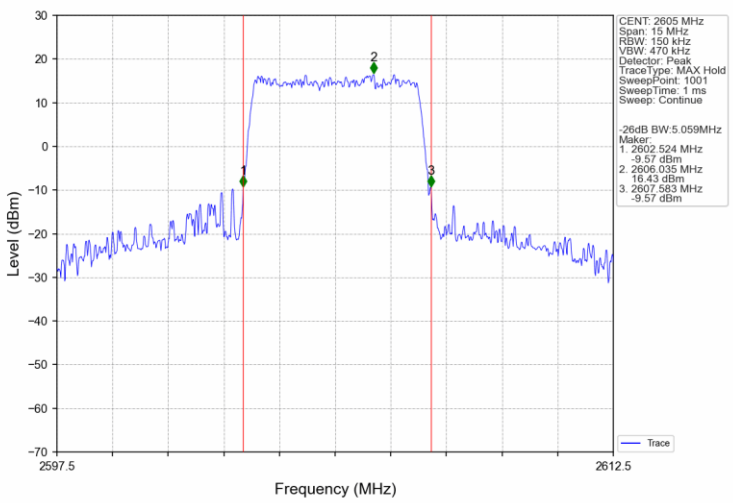
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



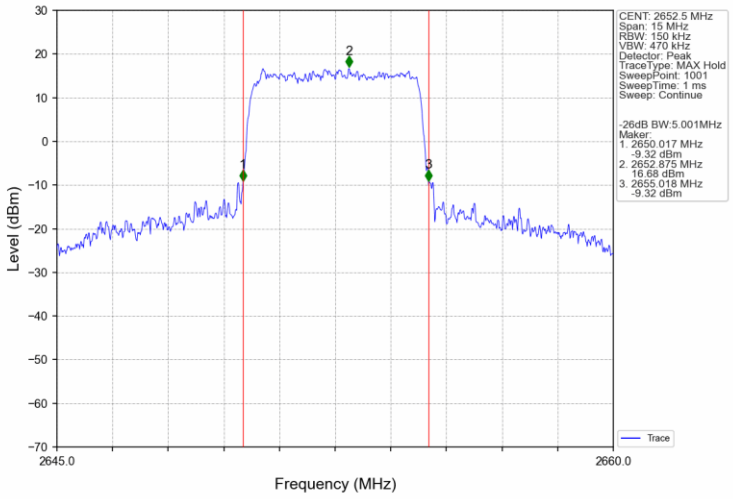
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



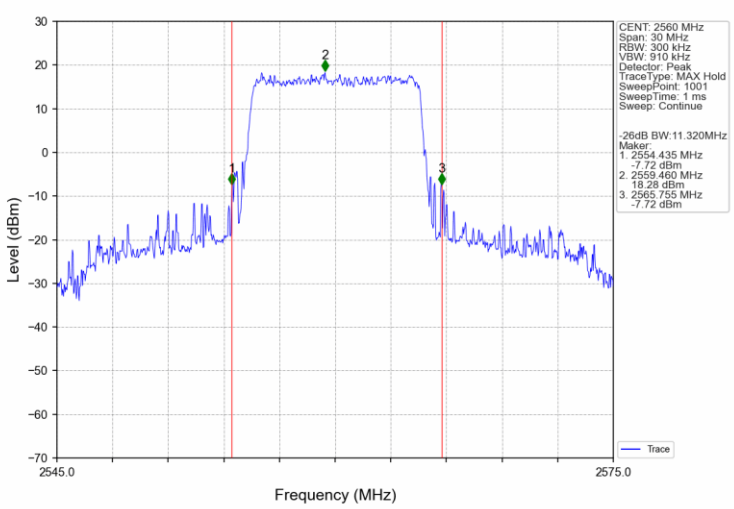
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



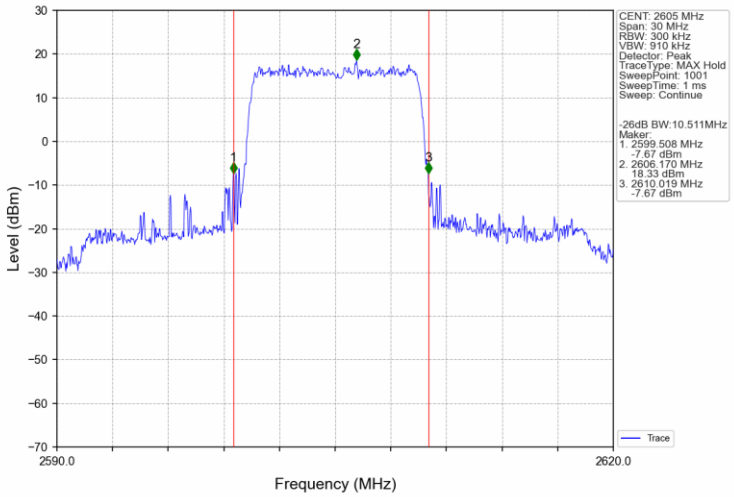
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



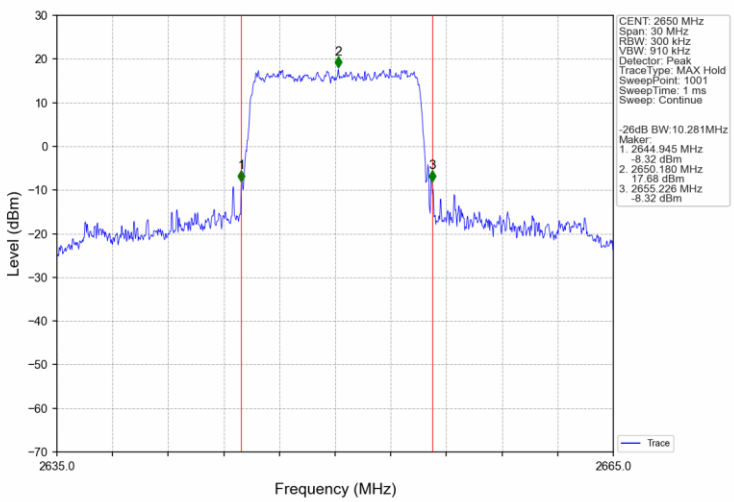
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



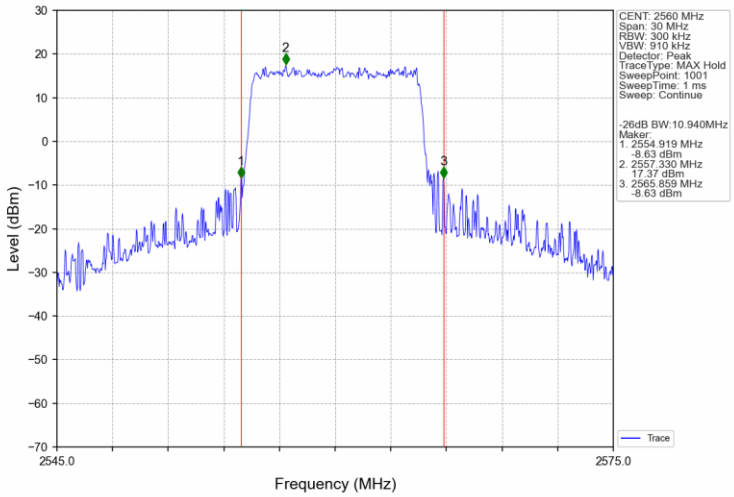
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



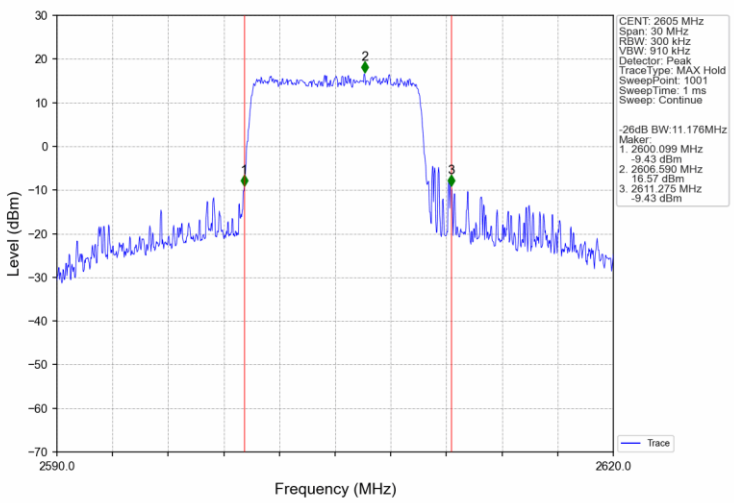
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



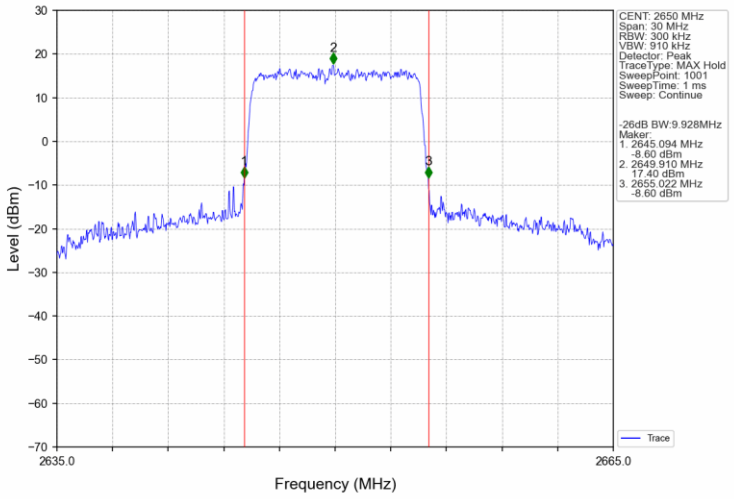
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



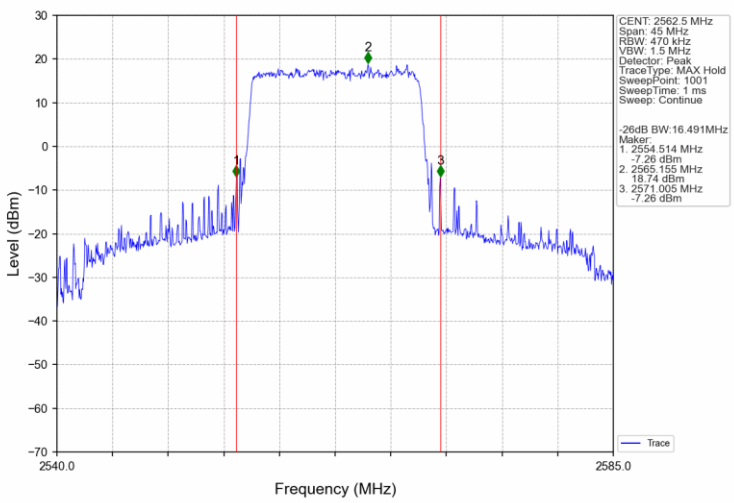
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



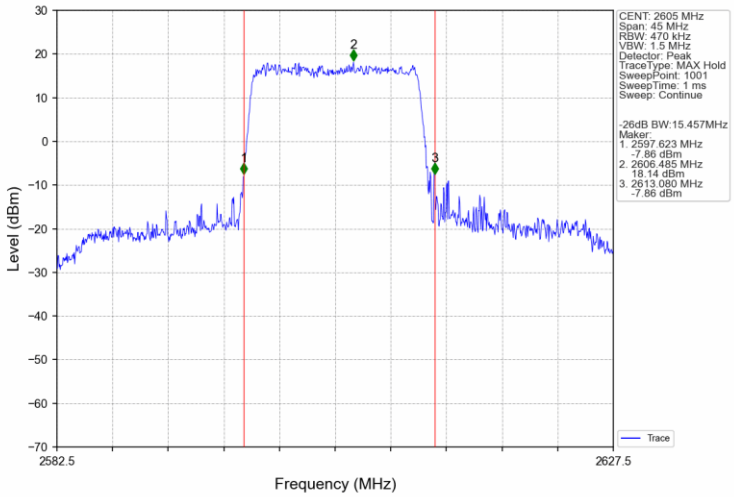
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



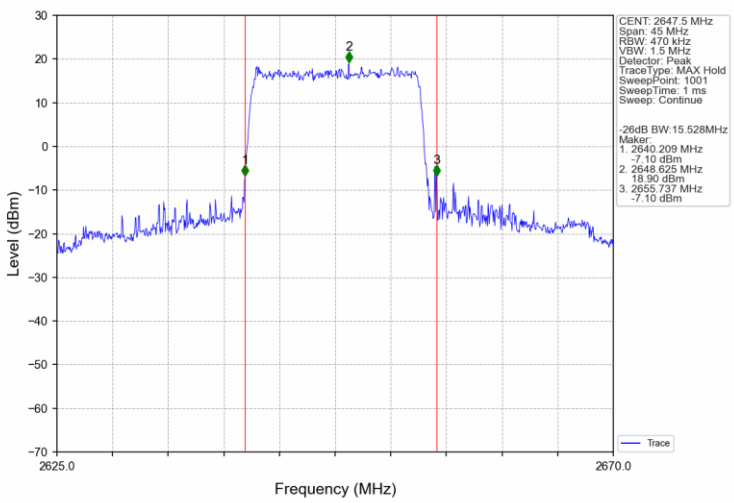
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



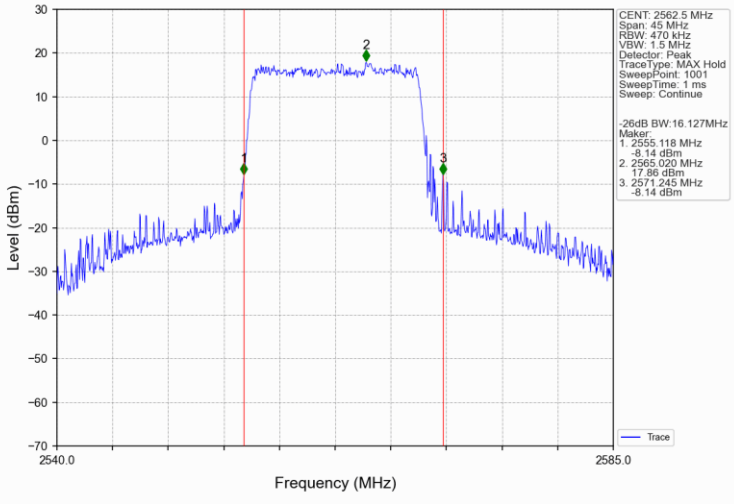
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



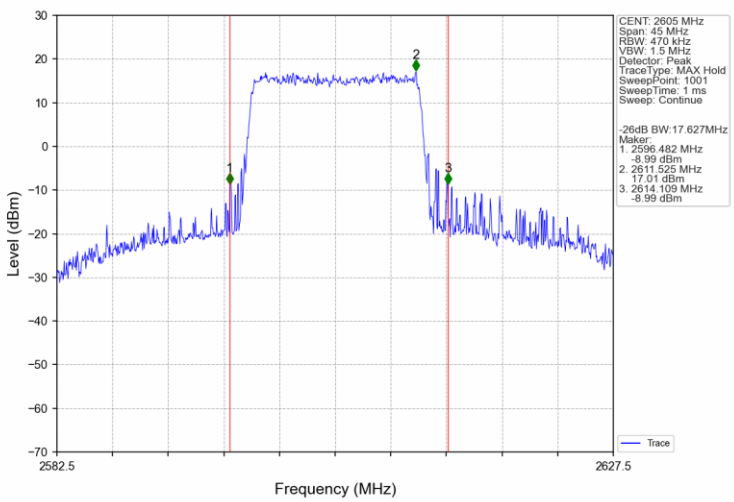
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



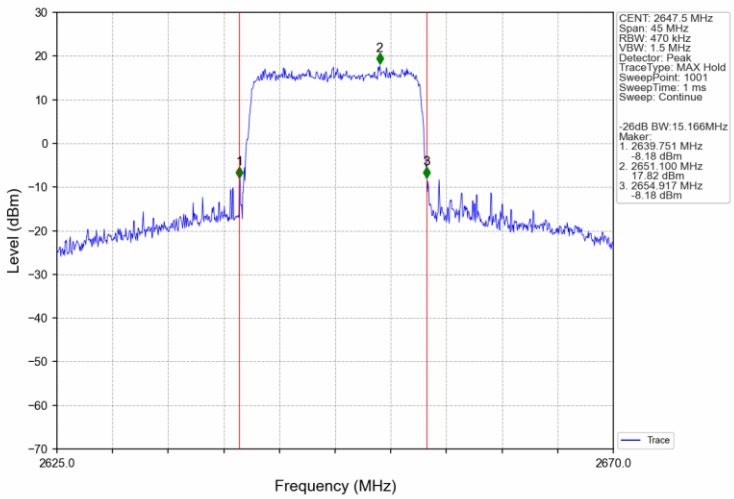
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



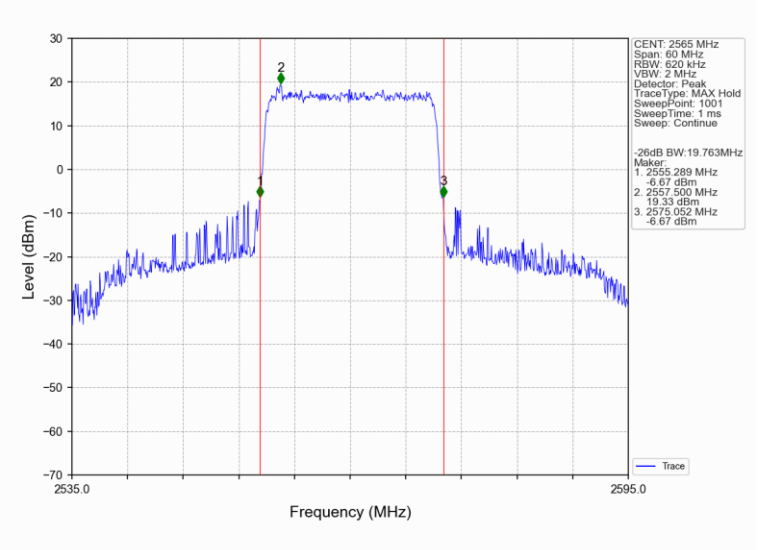
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



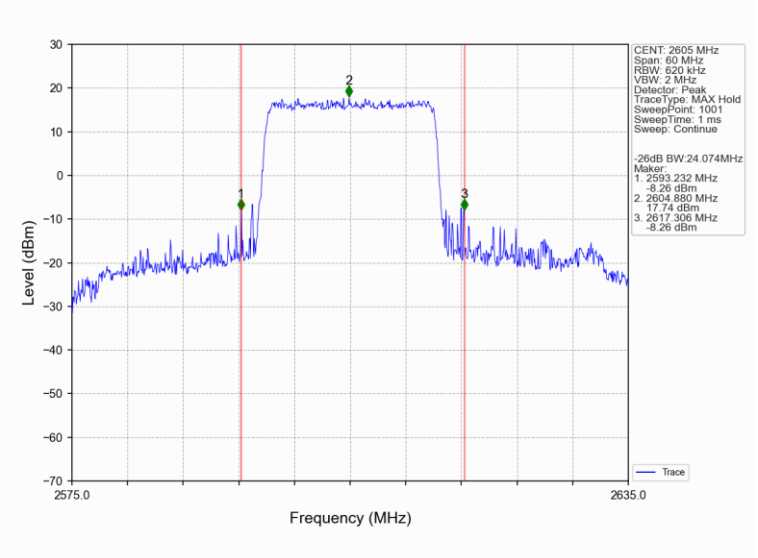
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



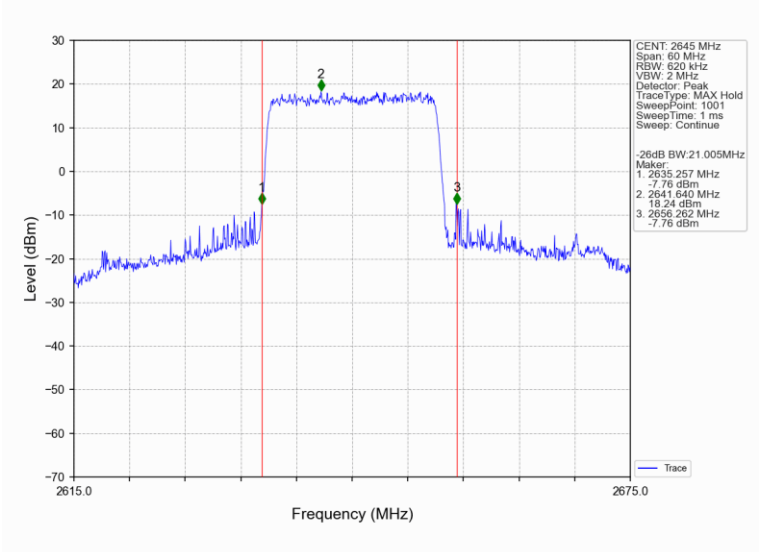
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



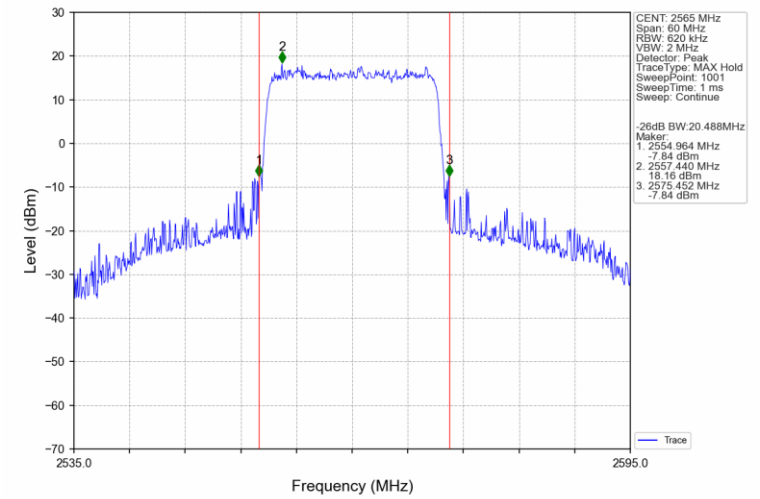
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



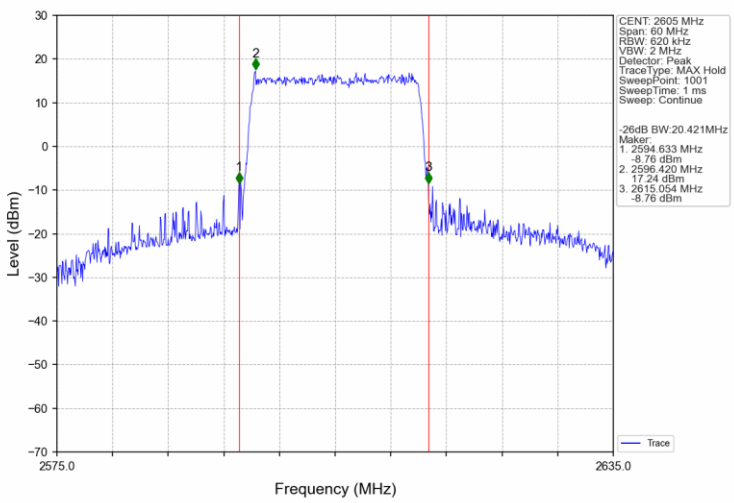
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



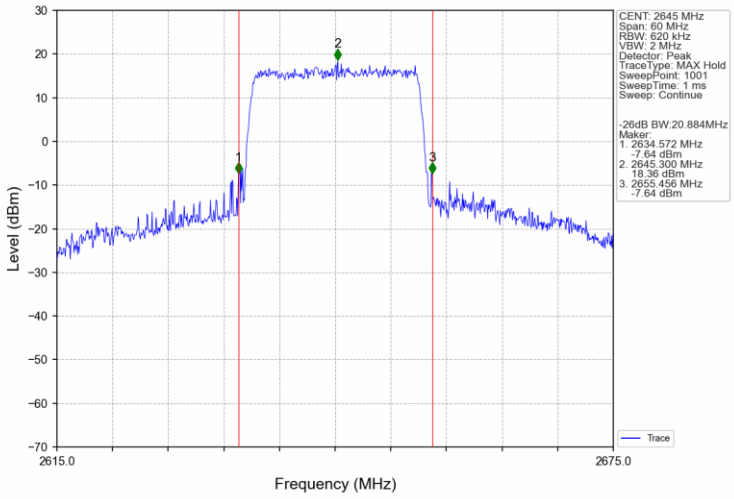
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



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	7.58	<=13	Pass
	2605	25	0	7.66	<=13	Pass
	2652.5	25	0	7.95	<=13	Pass
16QAM	2557.5	25	0	8.19	<=13	Pass
	2605	25	0	8.20	<=13	Pass
	2652.5	25	0	8.72	<=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	7.46	<=13	Pass
	2605	50	0	7.69	<=13	Pass
	2650	50	0	7.92	<=13	Pass
16QAM	2560	50	0	8.24	<=13	Pass
	2605	50	0	8.31	<=13	Pass
	2650	50	0	8.72	<=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	7.23	<=13	Pass
	2605	75	0	7.20	<=13	Pass
	2647.5	75	0	7.60	<=13	Pass
16QAM	2562.5	75	0	7.99	<=13	Pass
	2605	75	0	8.09	<=13	Pass
	2647.5	75	0	8.41	<=13	Pass

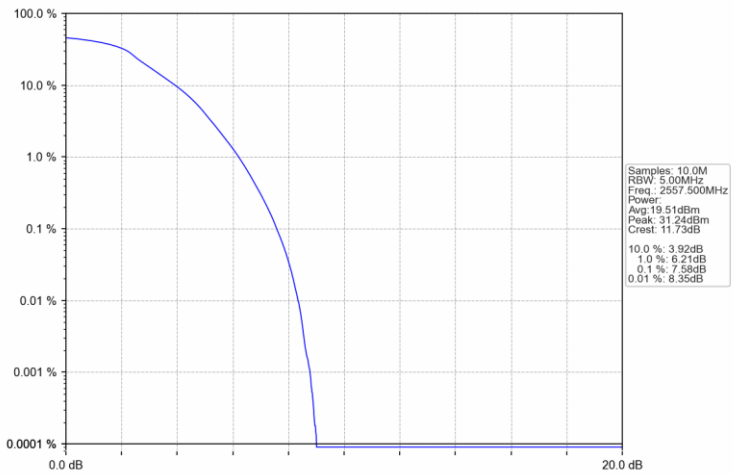
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.68	<=13	Pass
	2605	100	0	7.73	<=13	Pass
	2645	100	0	7.71	<=13	Pass
16QAM	2565	100	0	8.38	<=13	Pass
	2605	100	0	8.56	<=13	Pass
	2645	100	0	8.63	<=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