

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	23.34	0.33	23.67	<=33.01	Pass
			13	23.48	0.33	23.81	<=33.01	Pass
			24	23.43	0.33	23.76	<=33.01	Pass
		12	0	22.42	0.33	22.75	<=33.01	Pass
			6	22.50	0.33	22.83	<=33.01	Pass
			13	22.42	0.33	22.75	<=33.01	Pass
		25	0	22.46	0.33	22.79	<=33.01	Pass
	2605	1	0	23.15	0.33	23.48	<=33.01	Pass
			13	23.11	0.33	23.44	<=33.01	Pass
			24	22.92	0.33	23.25	<=33.01	Pass
		12	0	22.01	0.33	22.34	<=33.01	Pass
			6	22.21	0.33	22.54	<=33.01	Pass
			13	22.11	0.33	22.44	<=33.01	Pass
		25	0	22.14	0.33	22.47	<=33.01	Pass
	2652.5	1	0	23.17	0.33	23.50	<=33.01	Pass
			13	23.24	0.33	23.57	<=33.01	Pass
			24	23.16	0.33	23.49	<=33.01	Pass
		12	0	22.14	0.33	22.47	<=33.01	Pass
			6	22.18	0.33	22.51	<=33.01	Pass
			13	22.13	0.33	22.46	<=33.01	Pass
		25	0	22.29	0.33	22.62	<=33.01	Pass
16QAM	2557.5	1	0	22.62	0.33	22.95	<=33.01	Pass
			13	22.73	0.33	23.06	<=33.01	Pass
			24	22.28	0.33	22.61	<=33.01	Pass
		12	0	21.33	0.33	21.66	<=33.01	Pass
			6	21.38	0.33	21.71	<=33.01	Pass
			13	21.39	0.33	21.72	<=33.01	Pass
		25	0	21.49	0.33	21.82	<=33.01	Pass
	2605	1	0	22.07	0.33	22.40	<=33.01	Pass
			13	22.17	0.33	22.50	<=33.01	Pass
			24	22.07	0.33	22.40	<=33.01	Pass
		12	0	21.07	0.33	21.40	<=33.01	Pass
			6	21.10	0.33	21.43	<=33.01	Pass
			13	21.10	0.33	21.43	<=33.01	Pass
		25	0	21.05	0.33	21.38	<=33.01	Pass
	2652.5	1	0	22.28	0.33	22.61	<=33.01	Pass
			13	22.27	0.33	22.60	<=33.01	Pass
			24	22.29	0.33	22.62	<=33.01	Pass
		12	0	21.29	0.33	21.62	<=33.01	Pass
			6	21.39	0.33	21.72	<=33.01	Pass
			13	21.29	0.33	21.62	<=33.01	Pass
		25	0	21.27	0.33	21.60	<=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	23.46	0.33	23.79	<=33.01	Pass
			25	23.59	0.33	23.92	<=33.01	Pass
			49	23.43	0.33	23.76	<=33.01	Pass
		25	0	22.49	0.33	22.82	<=33.01	Pass
			13	22.45	0.33	22.78	<=33.01	Pass
			25	22.42	0.33	22.75	<=33.01	Pass
		50	0	22.39	0.33	22.72	<=33.01	Pass
			0	23.04	0.33	23.37	<=33.01	Pass
			25	23.23	0.33	23.56	<=33.01	Pass
	2605	1	49	23.08	0.33	23.41	<=33.01	Pass
			0	22.10	0.33	22.43	<=33.01	Pass
			13	22.21	0.33	22.54	<=33.01	Pass
		25	25	22.09	0.33	22.42	<=33.01	Pass
			0	22.19	0.33	22.52	<=33.01	Pass
			0	23.21	0.33	23.54	<=33.01	Pass
		25	25	23.34	0.33	23.67	<=33.01	Pass
			49	23.27	0.33	23.60	<=33.01	Pass
			0	22.28	0.33	22.61	<=33.01	Pass
16QAM	2560	1	13	22.32	0.33	22.65	<=33.01	Pass
			25	22.21	0.33	22.54	<=33.01	Pass
			0	22.23	0.33	22.56	<=33.01	Pass
		25	0	22.47	0.33	22.80	<=33.01	Pass
			25	22.69	0.33	23.02	<=33.01	Pass
			49	22.48	0.33	22.81	<=33.01	Pass
		50	0	21.40	0.33	21.73	<=33.01	Pass
			13	21.43	0.33	21.76	<=33.01	Pass
			25	21.44	0.33	21.77	<=33.01	Pass
	2605	1	0	21.43	0.33	21.76	<=33.01	Pass
			0	22.04	0.33	22.37	<=33.01	Pass
			25	22.50	0.33	22.83	<=33.01	Pass
		25	49	22.31	0.33	22.64	<=33.01	Pass
			0	21.10	0.33	21.43	<=33.01	Pass
			13	21.10	0.33	21.43	<=33.01	Pass
		50	25	21.11	0.33	21.44	<=33.01	Pass
			0	21.09	0.33	21.42	<=33.01	Pass
			0	22.12	0.33	22.45	<=33.01	Pass
	2650	1	25	22.24	0.33	22.57	<=33.01	Pass
			49	22.02	0.33	22.35	<=33.01	Pass
			0	21.28	0.33	21.61	<=33.01	Pass
		25	13	21.33	0.33	21.66	<=33.01	Pass
			25	21.29	0.33	21.62	<=33.01	Pass
			0	21.29	0.33	21.62	<=33.01	Pass
		50	0	21.29	0.33	21.62	<=33.01	Pass
			0	21.29	0.33	21.62	<=33.01	Pass
			0	21.29	0.33	21.62	<=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	23.39	0.33	23.72	<=33.01	Pass
			38	23.43	0.33	23.76	<=33.01	Pass
			74	23.34	0.33	23.67	<=33.01	Pass
		36	0	22.41	0.33	22.74	<=33.01	Pass
			18	22.50	0.33	22.83	<=33.01	Pass
			39	22.48	0.33	22.81	<=33.01	Pass
		75	0	22.42	0.33	22.75	<=33.01	Pass
	2605	1	0	23.12	0.33	23.45	<=33.01	Pass
			38	23.19	0.33	23.52	<=33.01	Pass
			74	23.02	0.33	23.35	<=33.01	Pass
		36	0	22.20	0.33	22.53	<=33.01	Pass
			18	22.12	0.33	22.45	<=33.01	Pass
			39	22.10	0.33	22.43	<=33.01	Pass
		75	0	22.10	0.33	22.43	<=33.01	Pass
	2647.5	1	0	23.28	0.33	23.61	<=33.01	Pass
			38	23.38	0.33	23.71	<=33.01	Pass
			74	23.20	0.33	23.53	<=33.01	Pass
		36	0	22.18	0.33	22.51	<=33.01	Pass
			18	22.21	0.33	22.54	<=33.01	Pass
			39	22.17	0.33	22.50	<=33.01	Pass
		75	0	22.20	0.33	22.53	<=33.01	Pass
16QAM	2562.5	1	0	22.35	0.33	22.68	<=33.01	Pass
			38	22.26	0.33	22.59	<=33.01	Pass
			74	22.33	0.33	22.66	<=33.01	Pass
		36	0	21.43	0.33	21.76	<=33.01	Pass
			18	21.47	0.33	21.80	<=33.01	Pass
			39	21.43	0.33	21.76	<=33.01	Pass
		75	0	21.48	0.33	21.81	<=33.01	Pass
	2605	1	0	21.92	0.33	22.25	<=33.01	Pass
			38	22.46	0.33	22.79	<=33.01	Pass
			74	21.86	0.33	22.19	<=33.01	Pass
		36	0	21.22	0.33	21.55	<=33.01	Pass
			18	21.21	0.33	21.54	<=33.01	Pass
			39	21.10	0.33	21.43	<=33.01	Pass
		75	0	21.09	0.33	21.42	<=33.01	Pass
	2647.5	1	0	22.07	0.33	22.40	<=33.01	Pass
			38	22.13	0.33	22.46	<=33.01	Pass
			74	22.01	0.33	22.34	<=33.01	Pass
		36	0	21.23	0.33	21.56	<=33.01	Pass
			18	21.33	0.33	21.66	<=33.01	Pass
			39	21.30	0.33	21.63	<=33.01	Pass
		75	0	21.23	0.33	21.56	<=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	23.29	0.33	23.62	<=33.01	Pass
			50	23.54	0.33	23.87	<=33.01	Pass
			99	23.28	0.33	23.61	<=33.01	Pass
		50	0	22.41	0.33	22.74	<=33.01	Pass
			25	22.39	0.33	22.72	<=33.01	Pass
			50	22.42	0.33	22.75	<=33.01	Pass
		100	0	22.40	0.33	22.73	<=33.01	Pass
	2605	1	0	22.95	0.33	23.28	<=33.01	Pass
			50	23.25	0.33	23.58	<=33.01	Pass
			99	22.78	0.33	23.11	<=33.01	Pass
		50	0	22.05	0.33	22.38	<=33.01	Pass
			25	22.18	0.33	22.51	<=33.01	Pass
			50	22.05	0.33	22.38	<=33.01	Pass
		100	0	22.16	0.33	22.49	<=33.01	Pass
	2645	1	0	23.10	0.33	23.43	<=33.01	Pass
			50	23.54	0.33	23.87	<=33.01	Pass
			99	22.91	0.33	23.24	<=33.01	Pass
		50	0	22.25	0.33	22.58	<=33.01	Pass
			25	22.25	0.33	22.58	<=33.01	Pass
			50	22.19	0.33	22.52	<=33.01	Pass
		100	0	22.16	0.33	22.49	<=33.01	Pass
16QAM	2565	1	0	22.23	0.33	22.56	<=33.01	Pass
			50	22.47	0.33	22.80	<=33.01	Pass
			99	22.09	0.33	22.42	<=33.01	Pass
		50	0	21.41	0.33	21.74	<=33.01	Pass
			25	21.43	0.33	21.76	<=33.01	Pass
			50	21.44	0.33	21.77	<=33.01	Pass
		100	0	21.41	0.33	21.74	<=33.01	Pass
	2605	1	0	21.97	0.33	22.30	<=33.01	Pass
			50	22.41	0.33	22.74	<=33.01	Pass
			99	21.96	0.33	22.29	<=33.01	Pass
		50	0	21.14	0.33	21.47	<=33.01	Pass
			25	21.18	0.33	21.51	<=33.01	Pass
			50	21.12	0.33	21.45	<=33.01	Pass
		100	0	21.10	0.33	21.43	<=33.01	Pass
	2645	1	0	21.77	0.33	22.10	<=33.01	Pass
			50	22.03	0.33	22.36	<=33.01	Pass
			99	21.74	0.33	22.07	<=33.01	Pass
		50	0	21.33	0.33	21.66	<=33.01	Pass
			25	21.47	0.33	21.80	<=33.01	Pass
			50	21.38	0.33	21.71	<=33.01	Pass
		100	0	21.30	0.33	21.63	<=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	-1.616	-0.0006	-2.5 to 2.5	Pass
					3.85	-13.204	-0.0052	-2.5 to 2.5	Pass
					4.43	6.208	0.0024	-2.5 to 2.5	Pass
				-30	3.85	7.010	0.0027	-2.5 to 2.5	Pass
				-20	3.85	11.702	0.0046	-2.5 to 2.5	Pass
				-10	3.85	17.881	0.0070	-2.5 to 2.5	Pass
				0	3.85	26.808	0.0105	-2.5 to 2.5	Pass
				10	3.85	25.778	0.0101	-2.5 to 2.5	Pass
				30	3.85	37.980	0.0149	-2.5 to 2.5	Pass
				40	3.85	37.422	0.0146	-2.5 to 2.5	Pass
				50	3.85	36.364	0.0142	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-8.526	-0.0033	-2.5 to 2.5	Pass
					3.85	1.802	0.0007	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	8.669	0.0033	-2.5 to 2.5	Pass
				-20	3.85	3.433	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-10.285	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0015	-2.5 to 2.5	Pass
				30	3.85	9.956	0.0038	-2.5 to 2.5	Pass
				40	3.85	2.961	0.0011	-2.5 to 2.5	Pass
				50	3.85	11.444	0.0044	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	4.334	0.0016	-2.5 to 2.5	Pass
					3.85	6.266	0.0024	-2.5 to 2.5	Pass
					4.43	18.911	0.0071	-2.5 to 2.5	Pass
				-30	3.85	1.388	0.0005	-2.5 to 2.5	Pass
				-20	3.85	20.771	0.0078	-2.5 to 2.5	Pass
				-10	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				10	3.85	15.464	0.0058	-2.5 to 2.5	Pass
				30	3.85	13.161	0.0050	-2.5 to 2.5	Pass
				40	3.85	10.715	0.0040	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	30.885	0.0121	-2.5 to 2.5	Pass
					3.85	23.561	0.0092	-2.5 to 2.5	Pass
					4.43	24.462	0.0096	-2.5 to 2.5	Pass
				-30	3.85	33.646	0.0132	-2.5 to 2.5	Pass
				-20	3.85	34.533	0.0135	-2.5 to 2.5	Pass
				-10	3.85	39.597	0.0155	-2.5 to 2.5	Pass
				0	3.85	36.693	0.0143	-2.5 to 2.5	Pass
				10	3.85	31.414	0.0123	-2.5 to 2.5	Pass
				30	3.85	45.133	0.0176	-2.5 to 2.5	Pass
				40	3.85	42.629	0.0167	-2.5 to 2.5	Pass
				50	3.85	56.391	0.0220	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	16.308	0.0063	-2.5 to 2.5	Pass
					3.85	8.597	0.0033	-2.5 to 2.5	Pass
					4.43	10.672	0.0041	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	5.107	0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0003	-2.5 to 2.5	Pass

				0	3.85	9.742	0.0037	-2.5 to 2.5	Pass
				10	3.85	20.456	0.0079	-2.5 to 2.5	Pass
				30	3.85	22.774	0.0087	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0002	-2.5 to 2.5	Pass
				50	3.85	10.457	0.0040	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	17.538	0.0066	-2.5 to 2.5	Pass
					3.85	19.999	0.0075	-2.5 to 2.5	Pass
					4.43	23.718	0.0089	-2.5 to 2.5	Pass
				-30	3.85	36.750	0.0139	-2.5 to 2.5	Pass
				-20	3.85	27.552	0.0104	-2.5 to 2.5	Pass
				-10	3.85	27.823	0.0105	-2.5 to 2.5	Pass
				0	3.85	37.165	0.0140	-2.5 to 2.5	Pass
				10	3.85	39.968	0.0151	-2.5 to 2.5	Pass
				30	3.85	33.331	0.0126	-2.5 to 2.5	Pass
				40	3.85	41.127	0.0155	-2.5 to 2.5	Pass
				50	3.85	31.486	0.0119	-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	-15.063	-0.0059	-2.5 to 2.5	Pass
					3.85	-11.587	-0.0045	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-8.855	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-10.629	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-17.138	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-20.571	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0025	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-12.774	-0.0049	-2.5 to 2.5	Pass
					3.85	-18.868	-0.0072	-2.5 to 2.5	Pass
					4.43	-18.096	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-12.202	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-11.687	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-11.888	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-16.422	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-16.580	-0.0064	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.389	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-14.906	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-14.076	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-9.398	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-10.242	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.892	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-16.551	-0.0062	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
					3.27	-7.553	-0.0029	-2.5 to 2.5	Pass
					4.43	-17.552	-0.0069	-2.5 to 2.5	Pass

				-30	3.85	-9.313	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	4.792	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-11.230	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-13.790	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-16.236	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-22.860	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-5.980	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-13.046	-0.0051	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-5.751	-0.0022	-2.5 to 2.5	Pass
					3.85	-16.737	-0.0064	-2.5 to 2.5	Pass
					4.43	-12.817	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-6.509	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-12.374	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-15.564	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-18.168	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-13.275	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-16.422	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-11.330	-0.0043	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-10.514	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.304	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-6.237	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-6.652	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-8.812	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-13.247	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-15.278	-0.0058	-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	-5.593	-0.0022	-2.5 to 2.5	Pass
					3.85	-8.225	-0.0032	-2.5 to 2.5	Pass
					4.43	-14.362	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-11.044	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-10.815	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-4.635	-0.0018	-2.5 to 2.5	Pass
					3.85	-14.977	-0.0057	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-7.482	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-14.291	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-8.540	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.666	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-8.812	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-15.750	-0.0060	-2.5 to 2.5	Pass

	2647.5	75	0	20	3.27	-5.121	-0.0019	-2.5 to 2.5	Pass
					3.85	-11.344	-0.0043	-2.5 to 2.5	Pass
					4.43	-14.448	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-10.958	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.808	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-13.704	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-11.230	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-16.279	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-3.791	-0.0014	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-2.046	-0.0008	-2.5 to 2.5	Pass
					3.85	-12.145	-0.0047	-2.5 to 2.5	Pass
					4.43	-14.162	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-11.473	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-8.068	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-14.362	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-14.963	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.566	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-8.383	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-10.686	-0.0042	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-16.322	-0.0063	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0014	-2.5 to 2.5	Pass
					4.43	-15.593	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-13.175	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-12.703	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-18.969	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-9.284	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-10.171	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-11.959	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-13.204	-0.0051	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-17.896	-0.0068	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0032	-2.5 to 2.5	Pass
					4.43	1.831	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-15.435	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-14.491	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-15.635	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-7.324	-0.0028	-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	-14.777	-0.0058	-2.5 to 2.5	Pass
					3.85	-10.815	-0.0042	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-8.125	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-15.707	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-17.424	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-12.388	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0027	-2.5 to 2.5	Pass

				30	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-12.174	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-10.257	-0.0040	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-9.599	-0.0037	-2.5 to 2.5	Pass
					3.85	-16.494	-0.0063	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-10.142	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-12.102	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-8.883	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-7.997	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-15.407	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-11.373	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-8.283	-0.0032	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-13.075	-0.0049	-2.5 to 2.5	Pass
					3.85	-10.285	-0.0039	-2.5 to 2.5	Pass
					4.43	-12.903	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-15.035	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-10.715	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-15.450	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-15.521	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-14.234	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-17.567	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-6.924	-0.0026	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-6.623	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.020	-0.0016	-2.5 to 2.5	Pass
					4.43	-10.486	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-12.016	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-10.657	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-7.181	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-8.140	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-8.154	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-16.394	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0017	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-3.905	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.064	-0.0019	-2.5 to 2.5	Pass
					4.43	0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-9.599	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-11.745	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-6.809	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-10.328	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-14.534	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-13.003	-0.0050	-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	-10.915	-0.0041	-2.5 to 2.5	Pass
					3.85	-10.085	-0.0038	-2.5 to 2.5	Pass
					4.43	-19.255	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-9.871	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-8.826	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.467	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-12.403	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-13.704	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-3.719	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-19.569	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	25	0	Refer To Test Graph		Pass
16QAM	2605	25	0	Refer To Test Graph		Pass

3.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	50	0	Refer To Test Graph		Pass
16QAM	2605	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

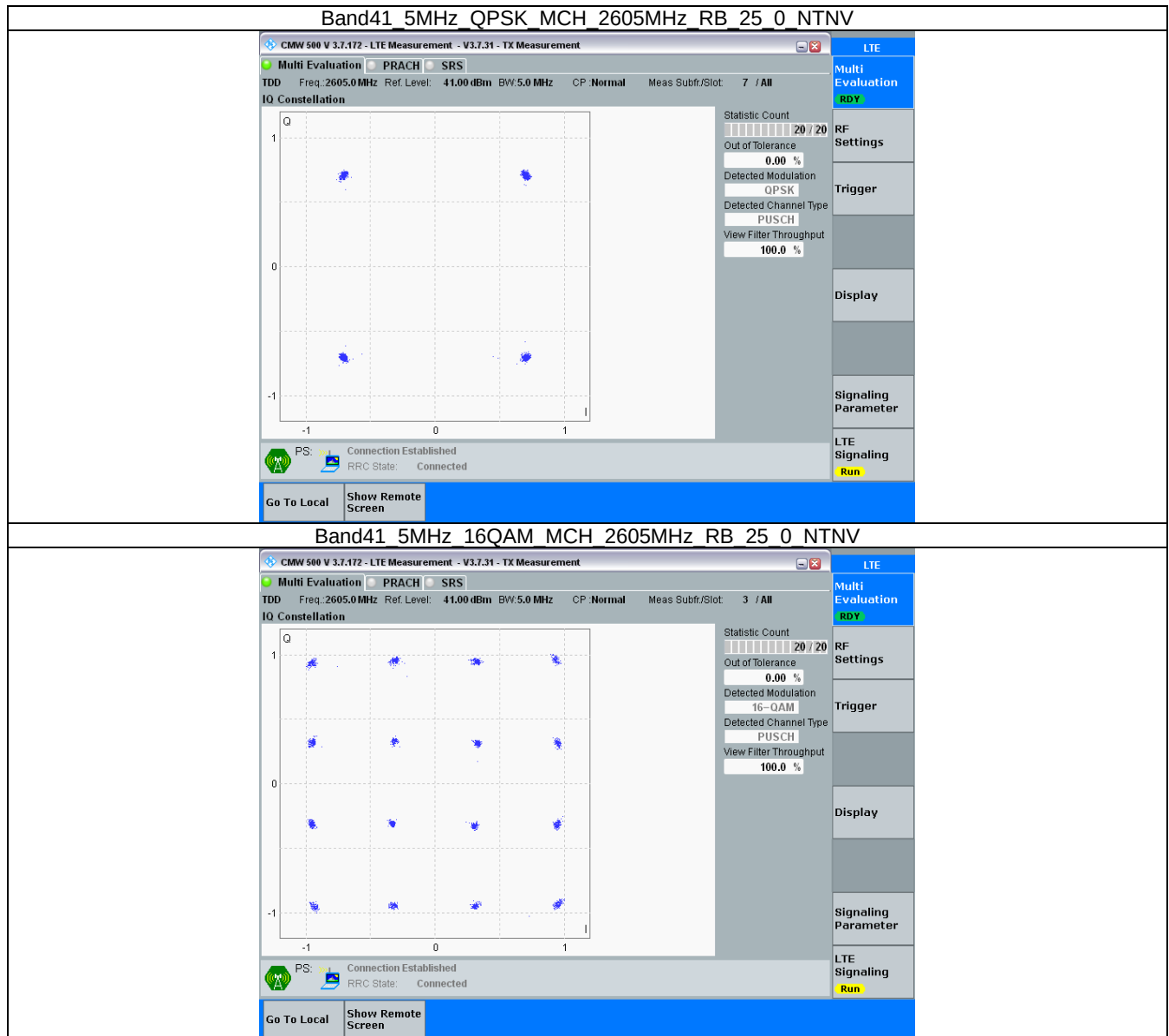
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

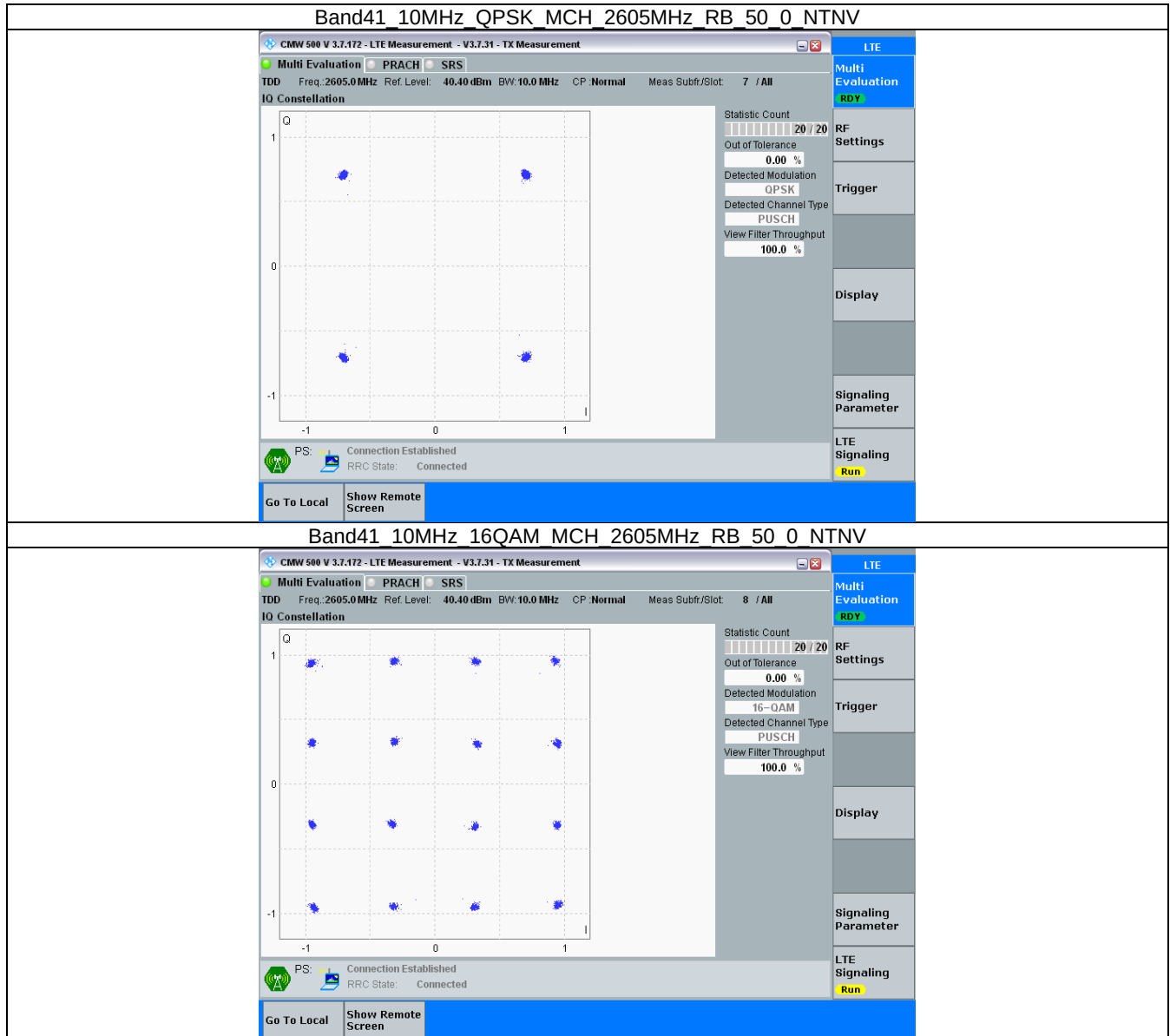
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

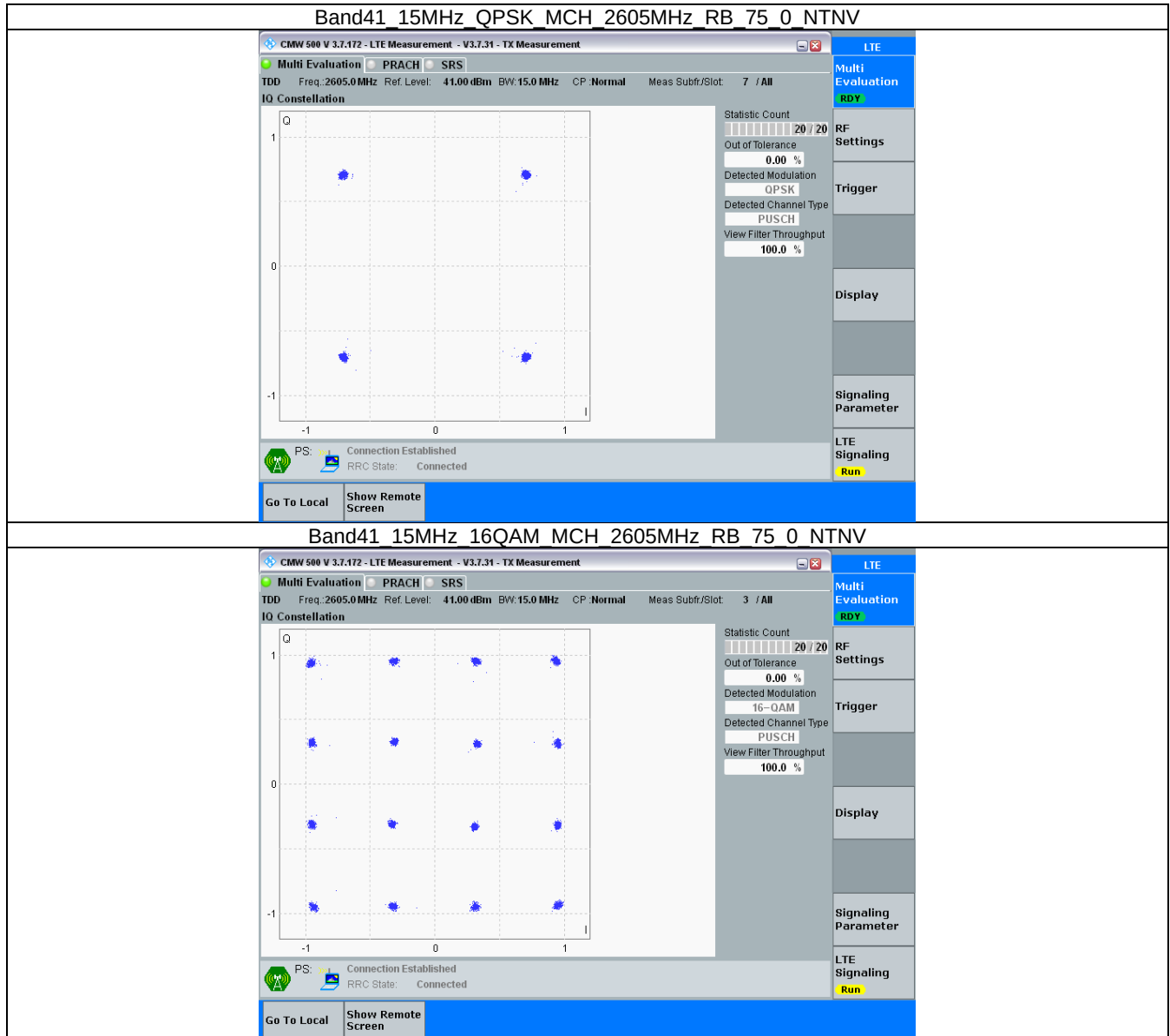
3.2.1 B41_5MHz



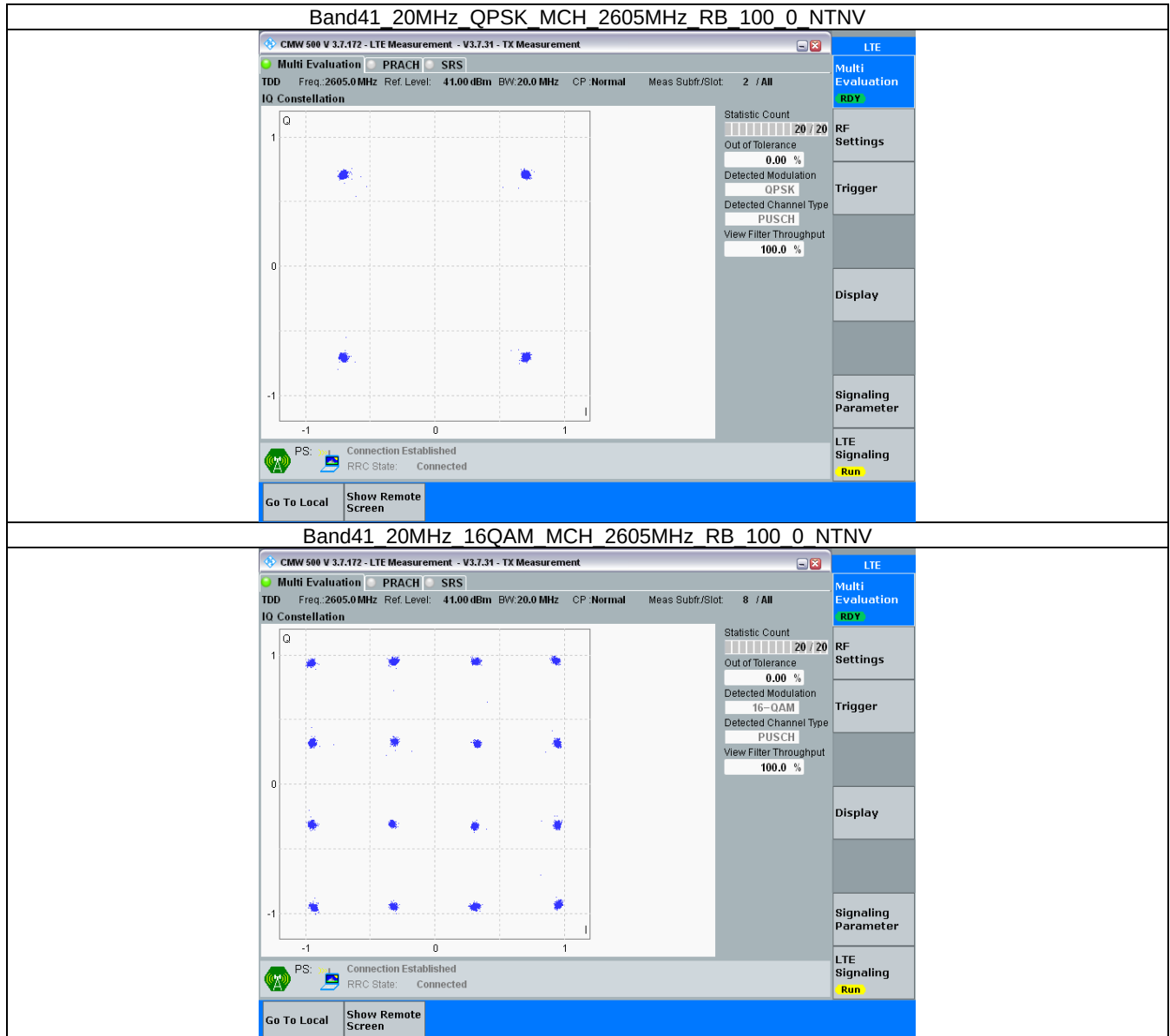
3.2.2 B41_10MHz



3.2.3 B41_15MHz



3.2.4 B41_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.554	/	Pass
		2605	25	0	4.548	/	Pass
		2652.5	25	0	4.544	/	Pass
	16QAM	2557.5	25	0	4.549	/	Pass
		2605	25	0	4.537	/	Pass
		2652.5	25	0	4.563	/	Pass
10	QPSK	2560	50	0	9.068	/	Pass
		2605	50	0	9.063	/	Pass
		2650	50	0	9.075	/	Pass
	16QAM	2560	50	0	9.085	/	Pass
		2605	50	0	9.066	/	Pass
		2650	50	0	9.072	/	Pass
15	QPSK	2562.5	75	0	13.596	/	Pass
		2605	75	0	13.563	/	Pass
		2647.5	75	0	13.598	/	Pass
	16QAM	2562.5	75	0	13.576	/	Pass
		2605	75	0	13.652	/	Pass
		2647.5	75	0	13.617	/	Pass
20	QPSK	2565	100	0	18.077	/	Pass
		2605	100	0	18.129	/	Pass
		2645	100	0	18.084	/	Pass
	16QAM	2565	100	0	18.059	/	Pass
		2605	100	0	18.162	/	Pass
		2645	100	0	18.117	/	Pass

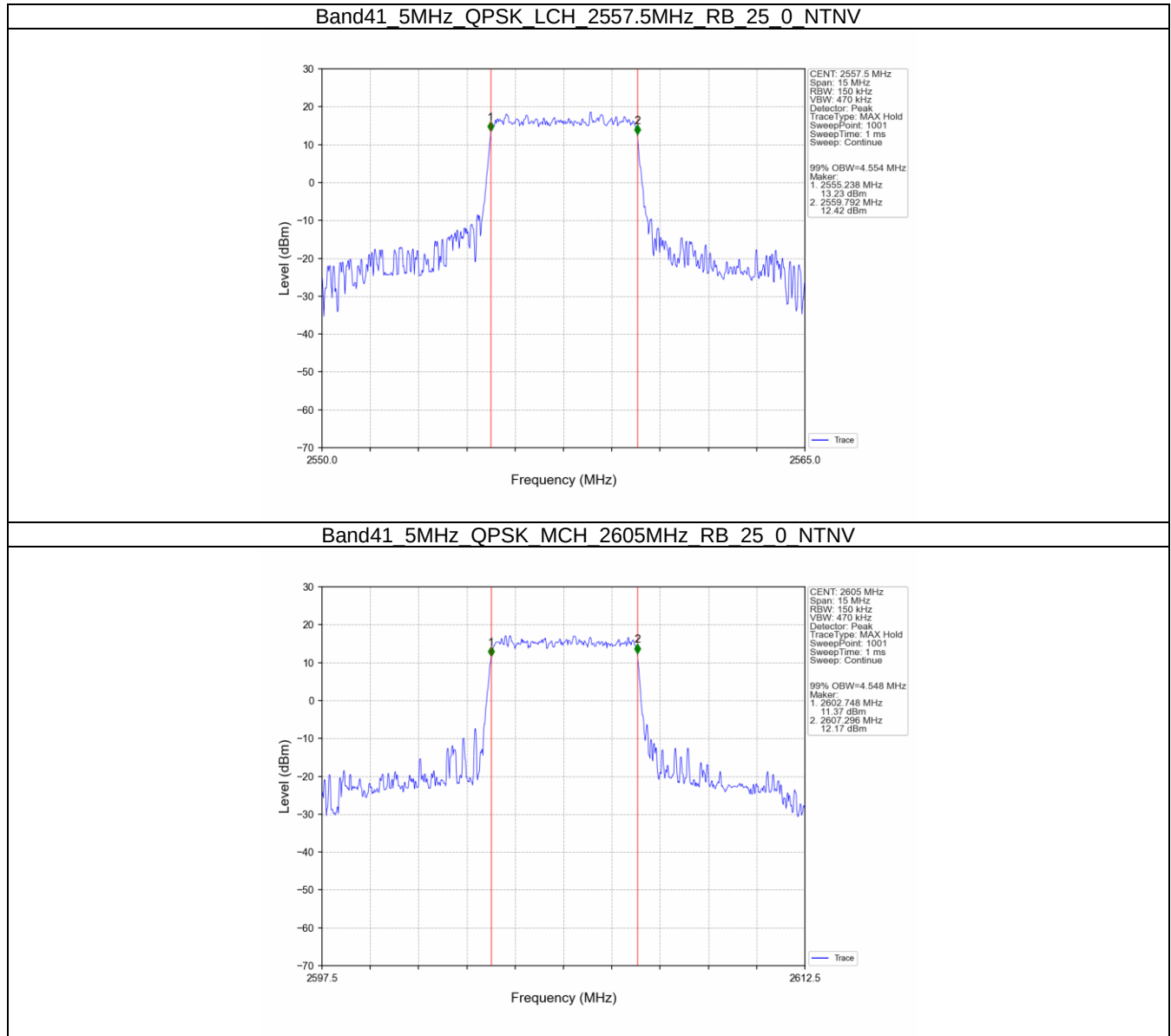
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.039	/	Pass
		2605	25	0	5.384	/	Pass
		2652.5	25	0	5.172	/	Pass
	16QAM	2557.5	25	0	5.311	/	Pass
		2605	25	0	5.027	/	Pass
		2652.5	25	0	5.262	/	Pass
10	QPSK	2560	50	0	9.989	/	Pass
		2605	50	0	9.969	/	Pass
		2650	50	0	10.604	/	Pass
	16QAM	2560	50	0	10.425	/	Pass
		2605	50	0	11.827	/	Pass
		2650	50	0	10.422	/	Pass
15	QPSK	2562.5	75	0	15.631	/	Pass
		2605	75	0	16.284	/	Pass
		2647.5	75	0	14.770	/	Pass

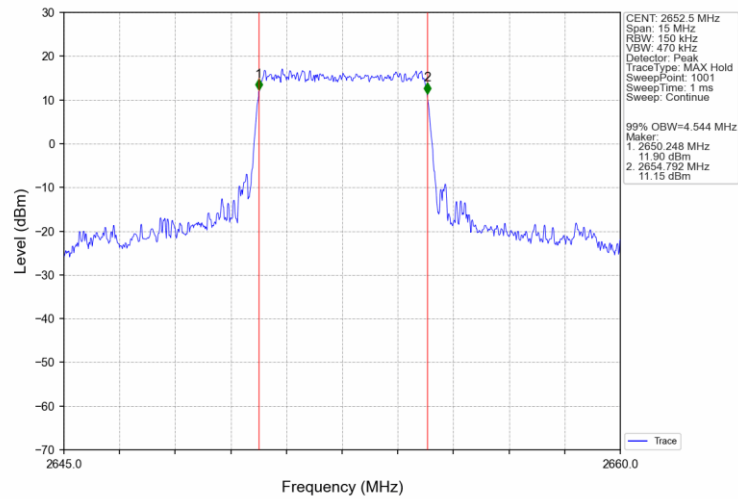
20	16QAM	2562.5	75	0	16.270	/	Pass
		2605	75	0	18.138	/	Pass
		2647.5	75	0	17.121	/	Pass
	QPSK	2565	100	0	20.346	/	Pass
		2605	100	0	20.289	/	Pass
		2645	100	0	21.050	/	Pass
	16QAM	2565	100	0	19.762	/	Pass
		2605	100	0	20.828	/	Pass
		2645	100	0	20.865	/	Pass

4.2 Test Graph

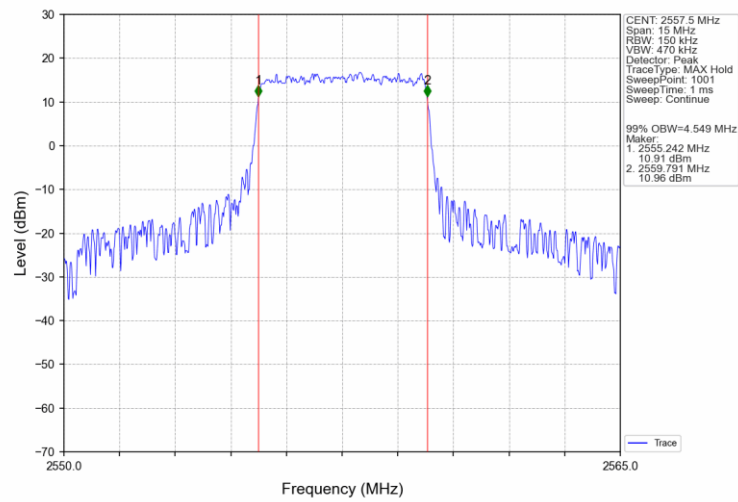
4.2.1 Band41_OBW



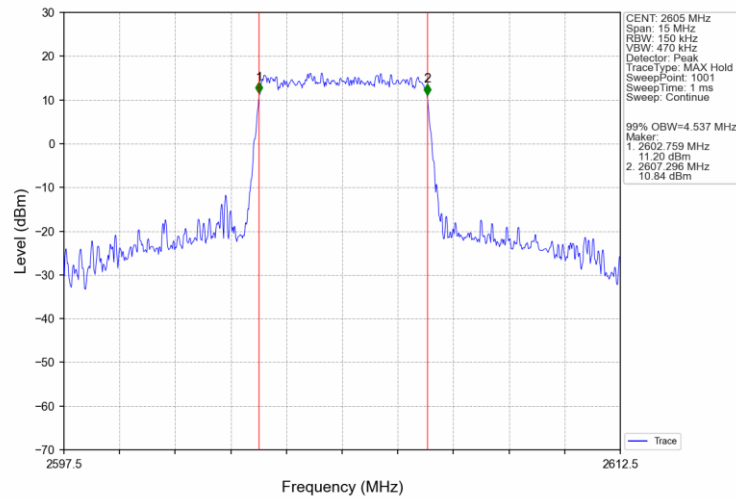
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



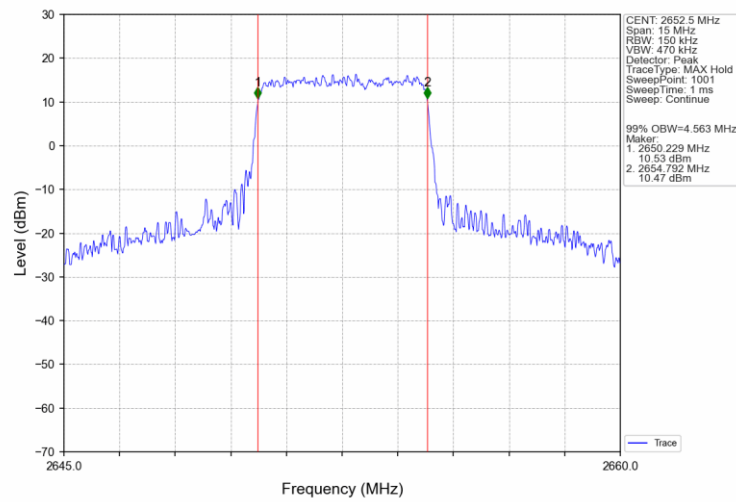
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



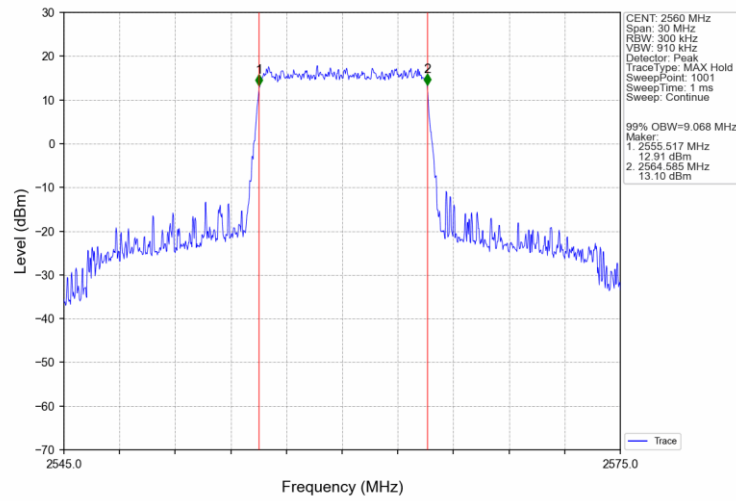
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



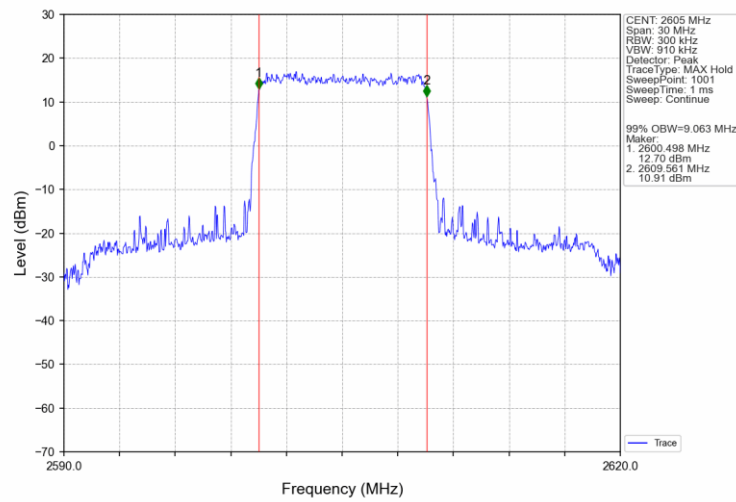
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



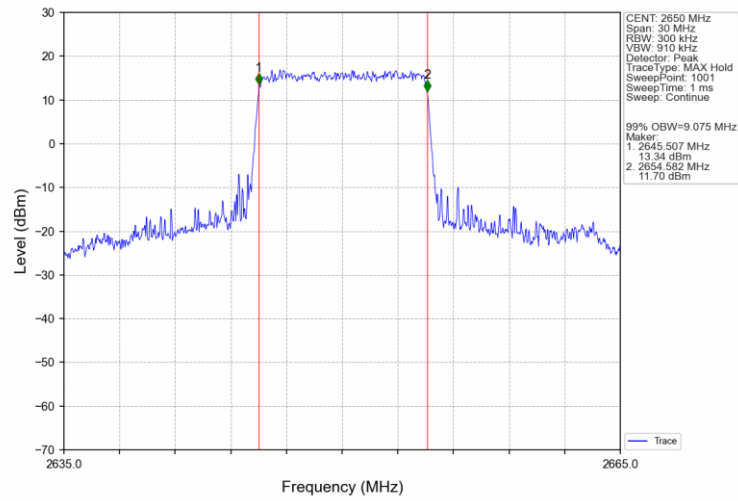
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



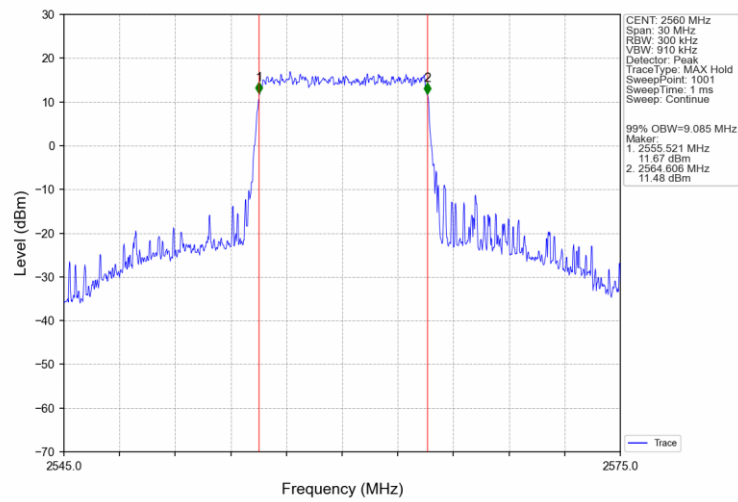
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



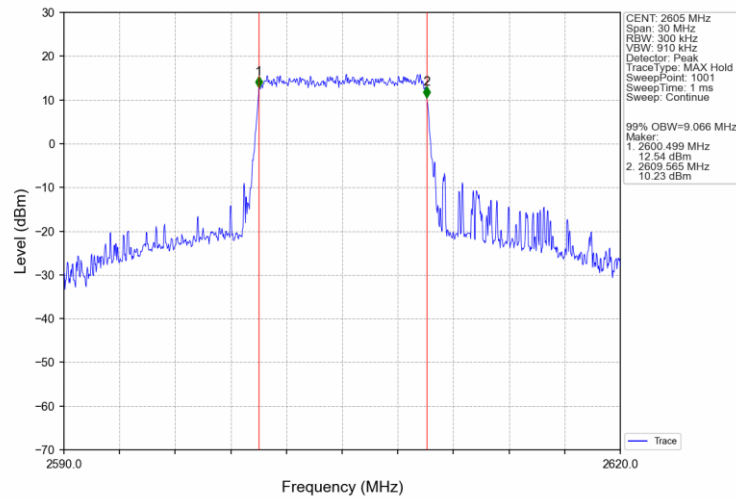
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



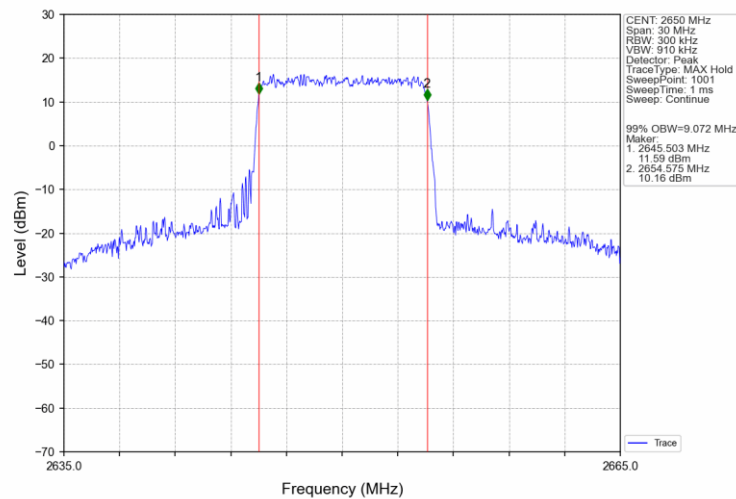
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



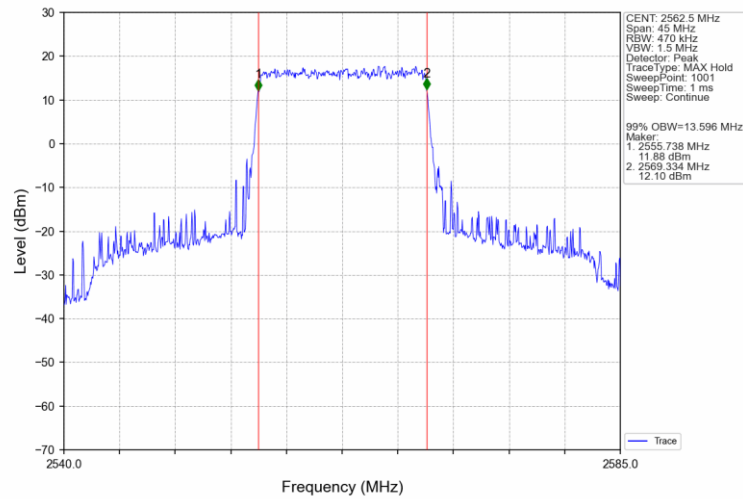
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



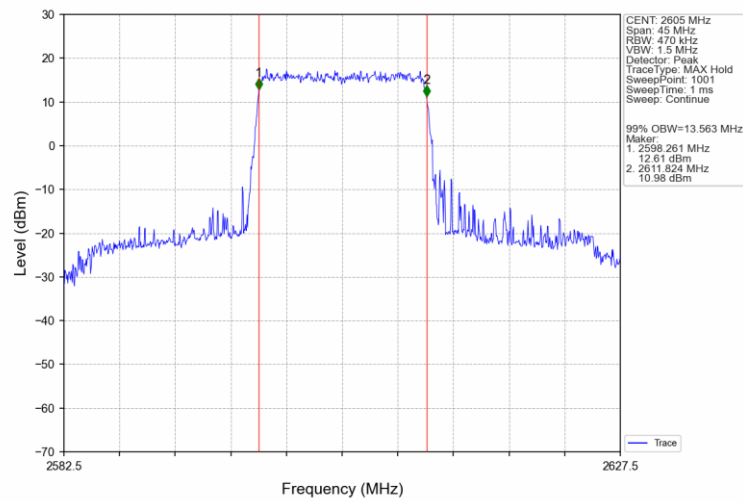
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



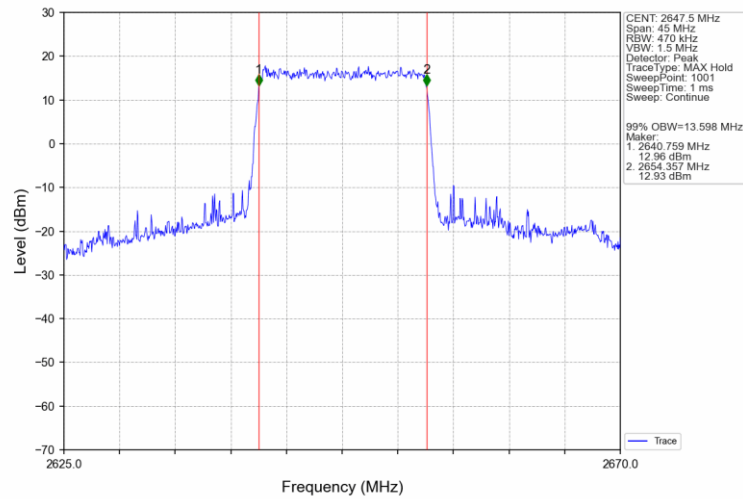
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



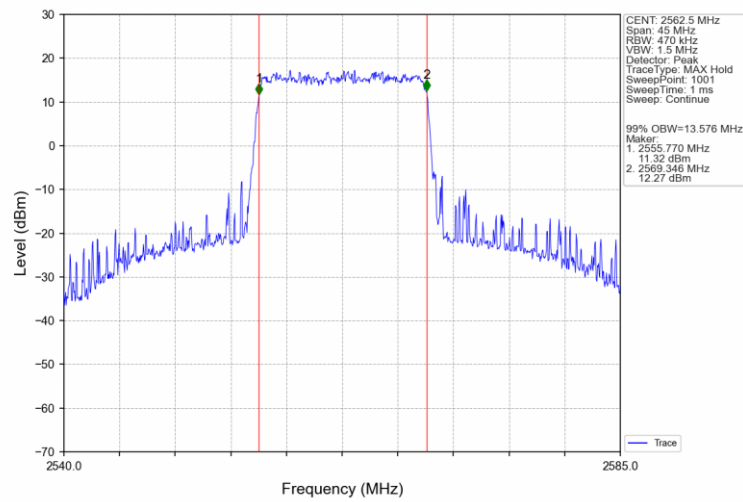
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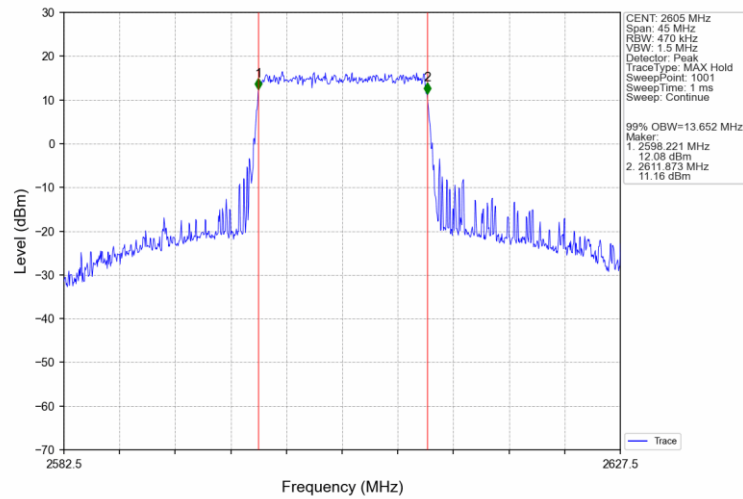
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



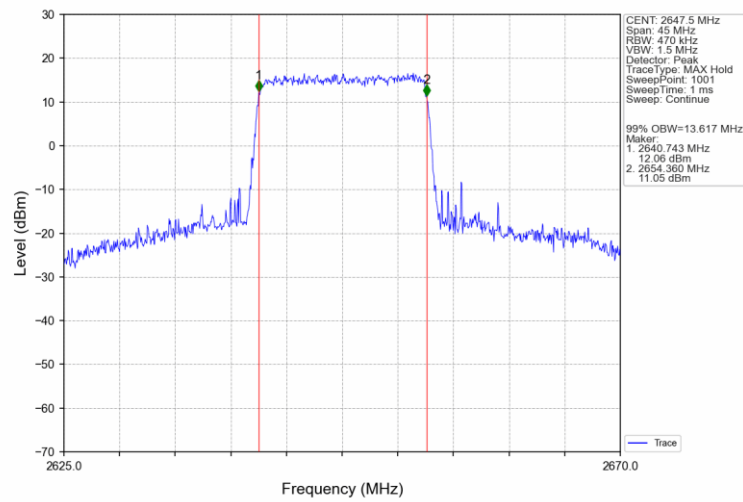
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



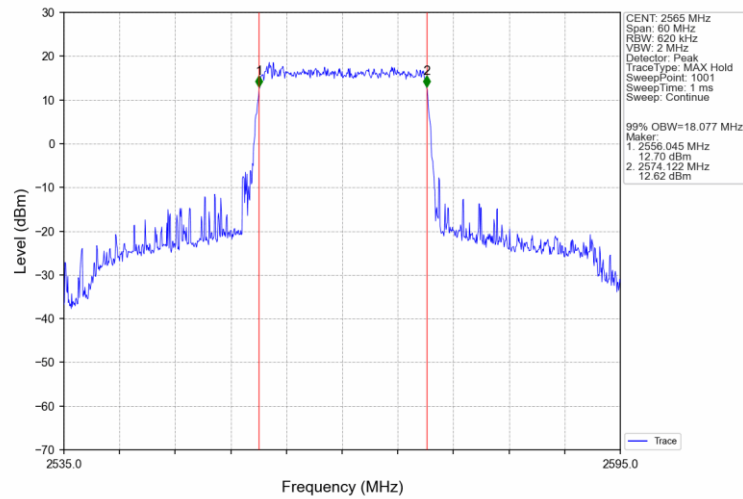
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



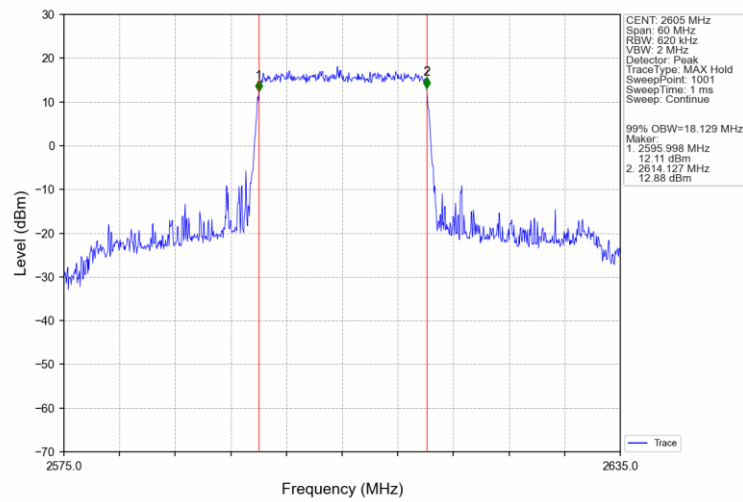
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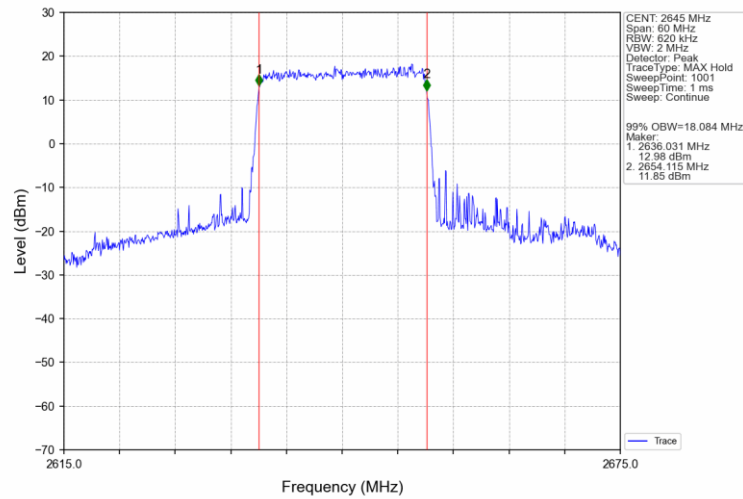
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



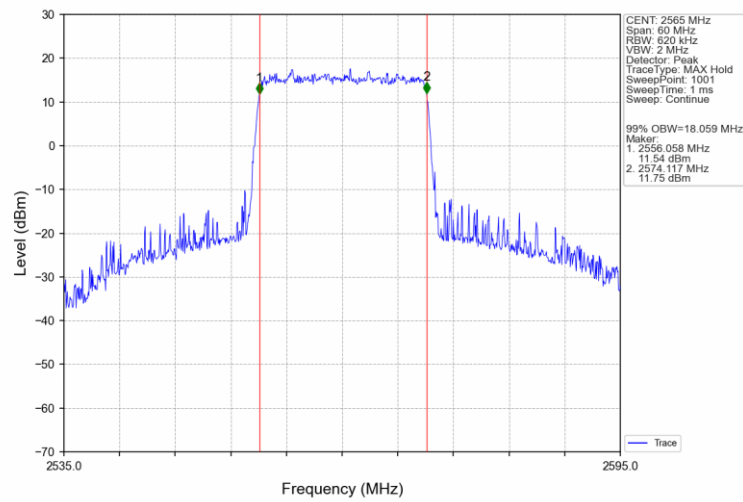
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



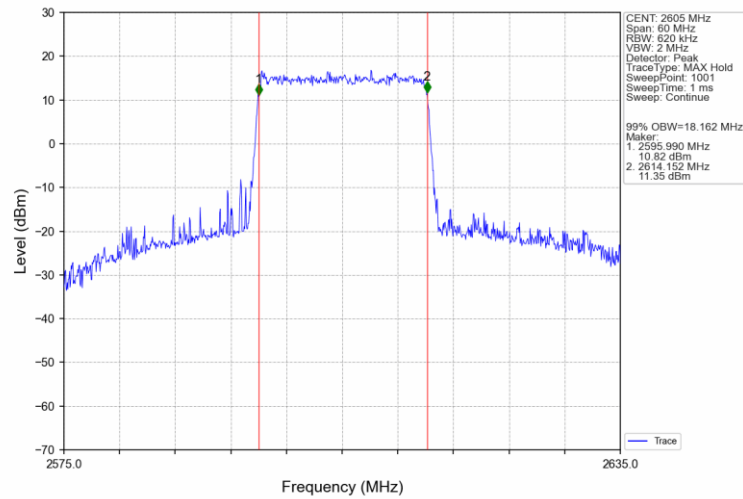
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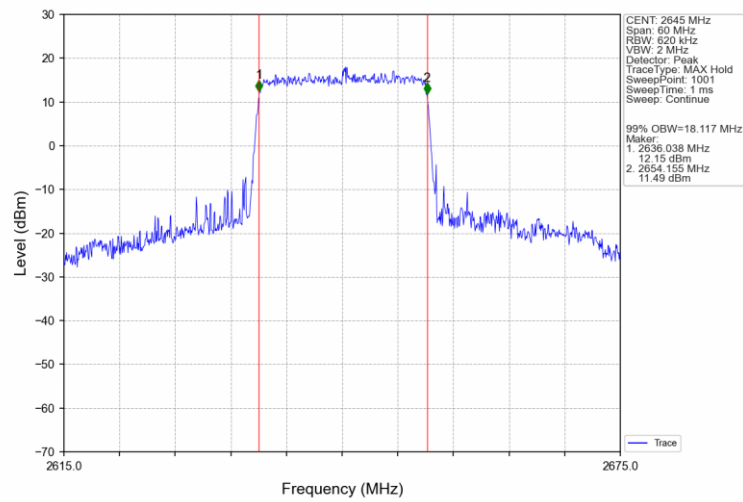
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Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

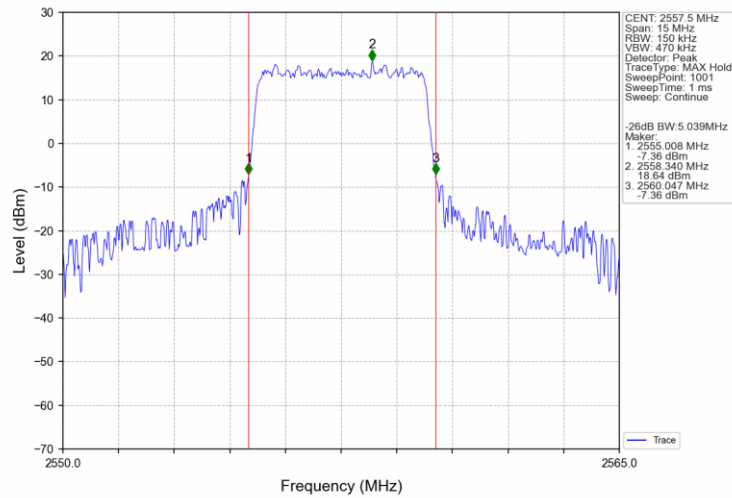


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

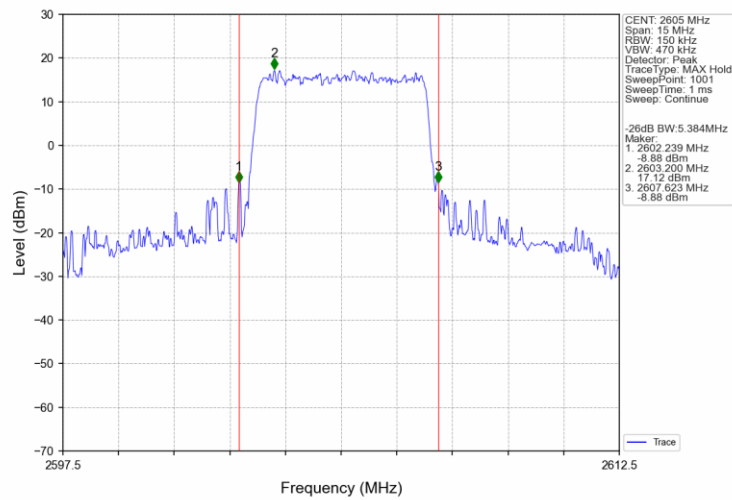


4.2.2 Band41_XDB

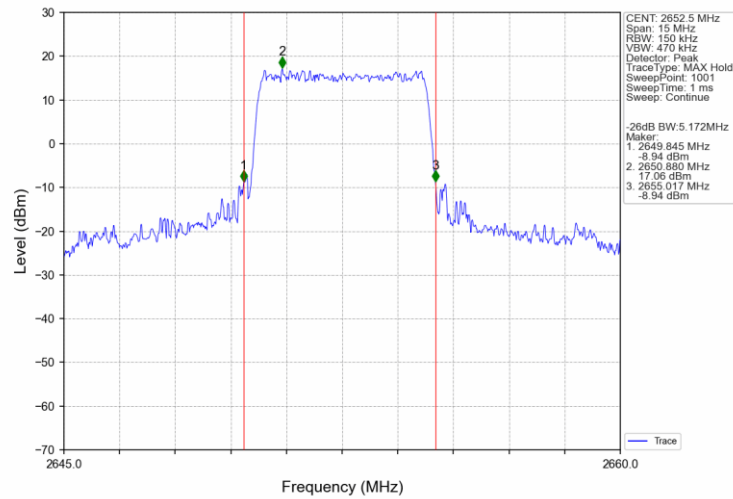
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



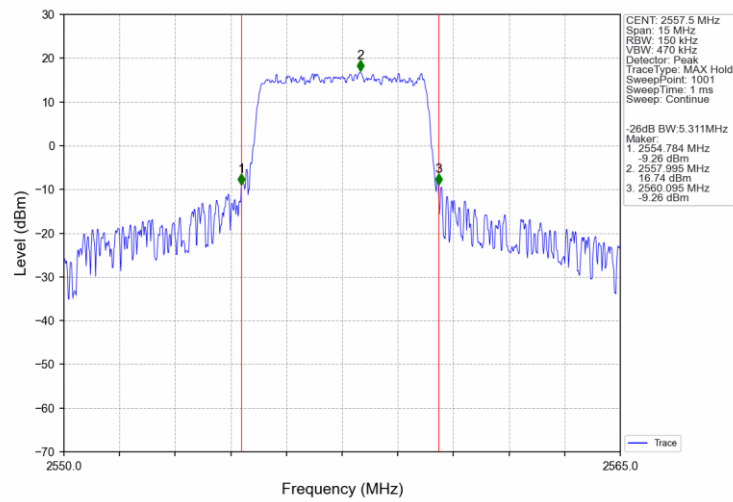
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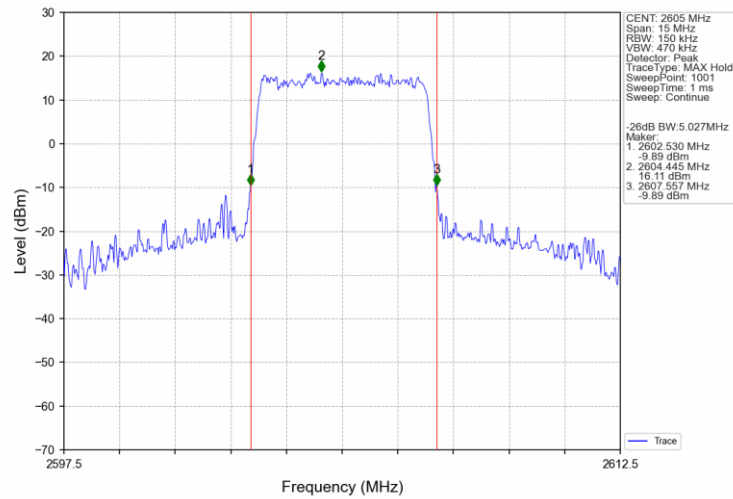
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



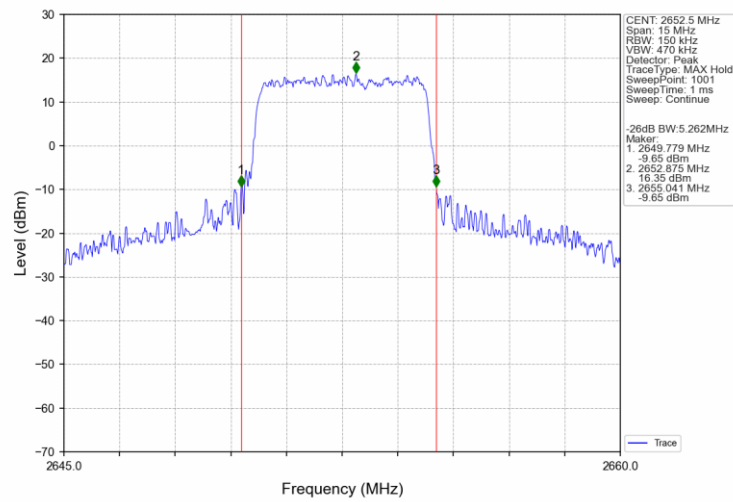
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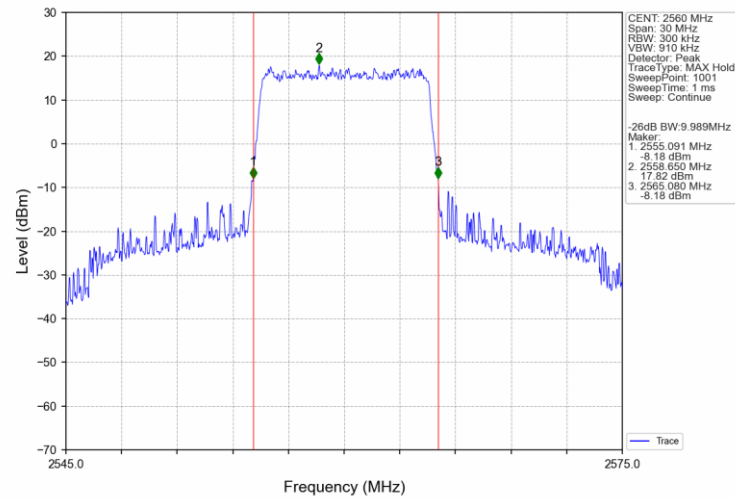
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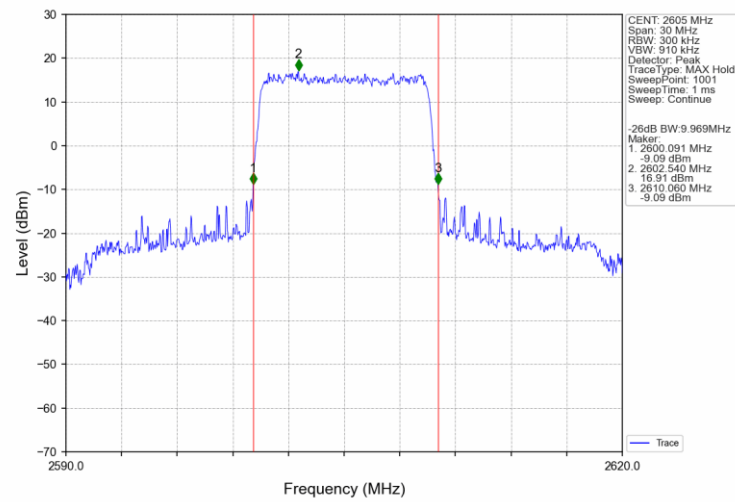
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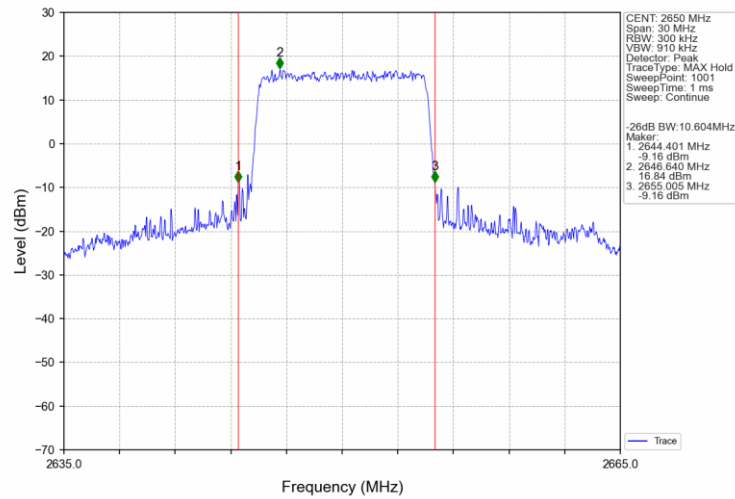
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



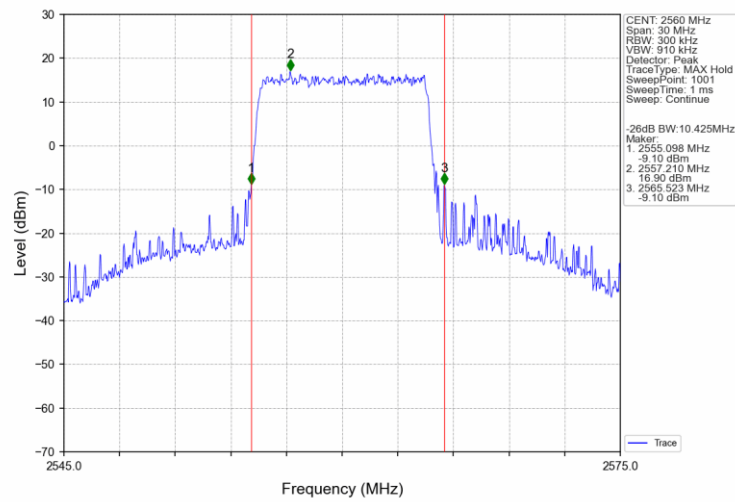
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



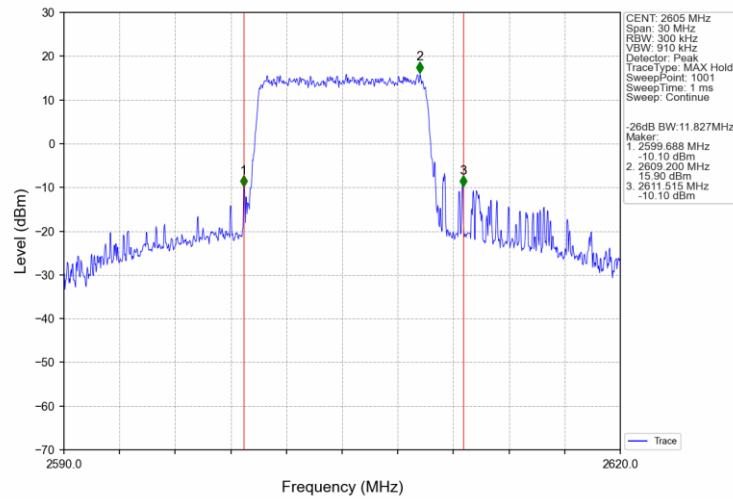
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



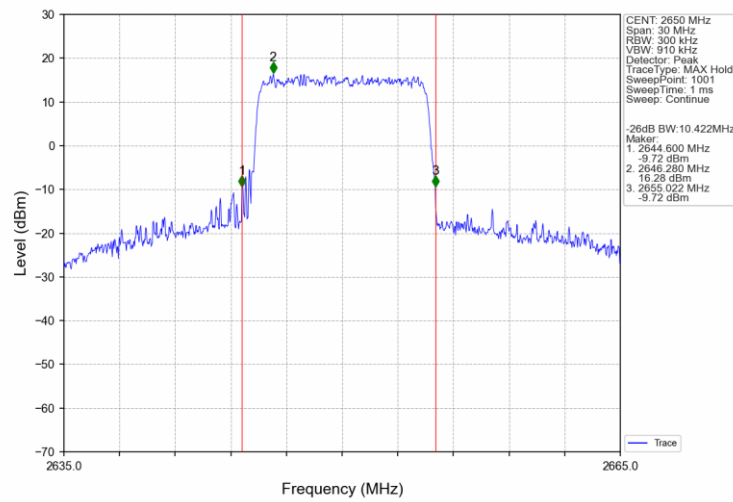
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



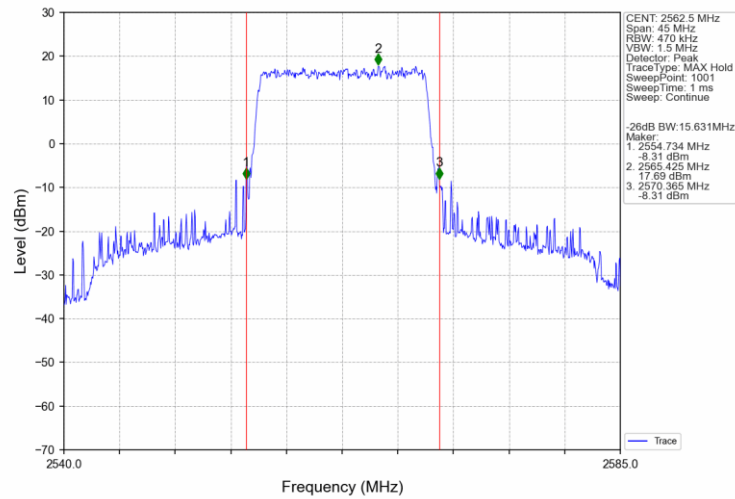
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



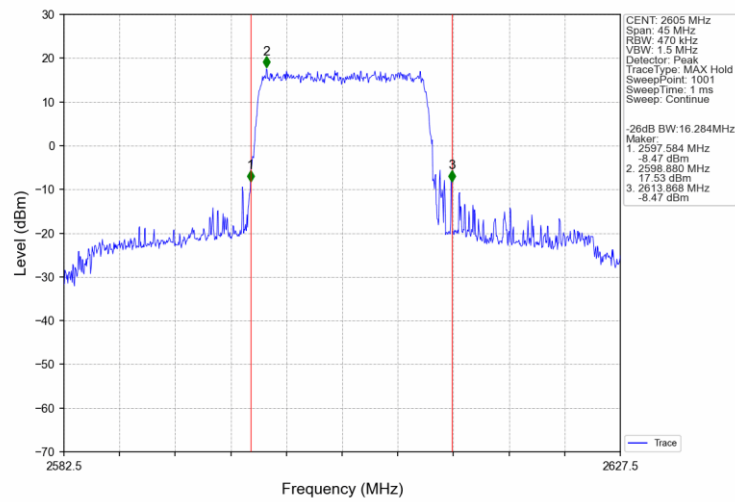
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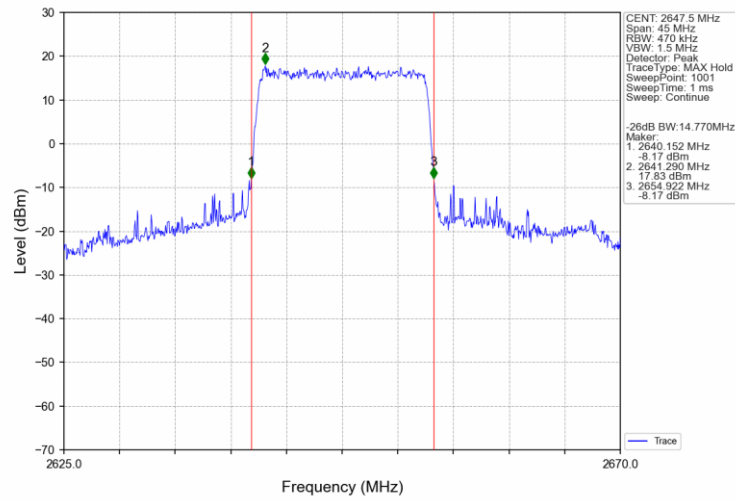
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



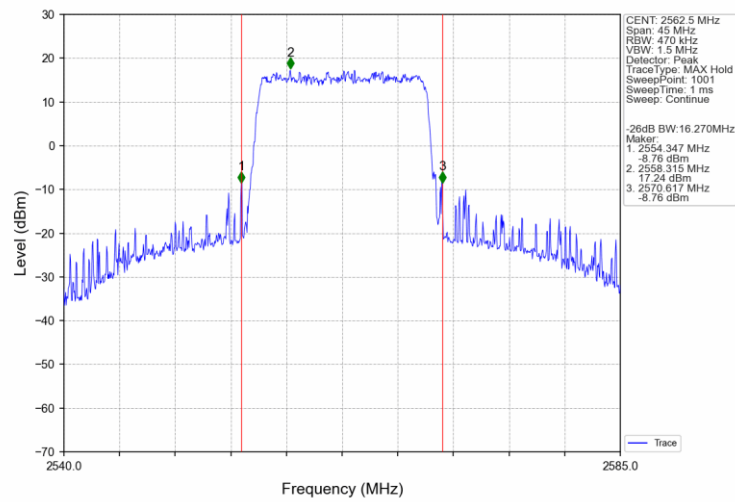
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



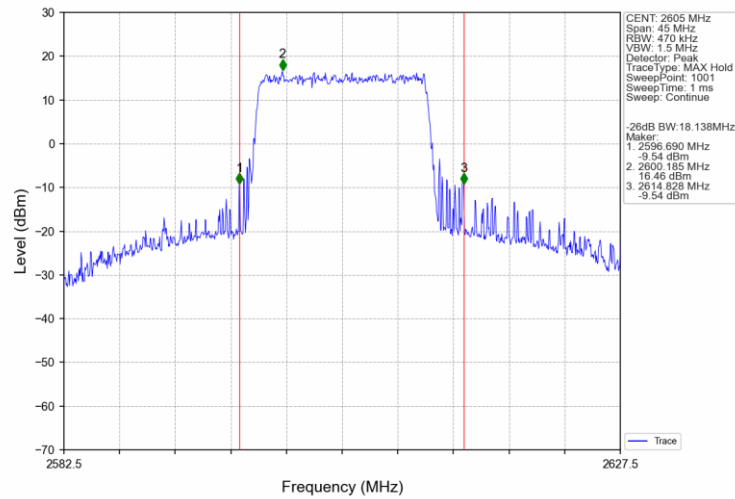
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



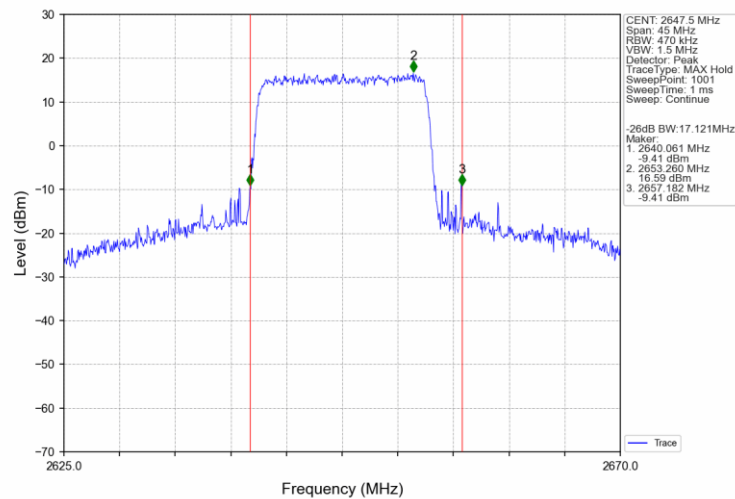
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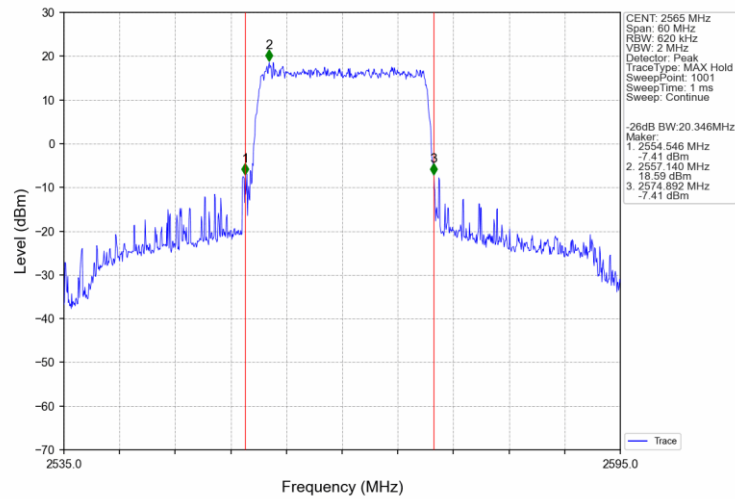
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



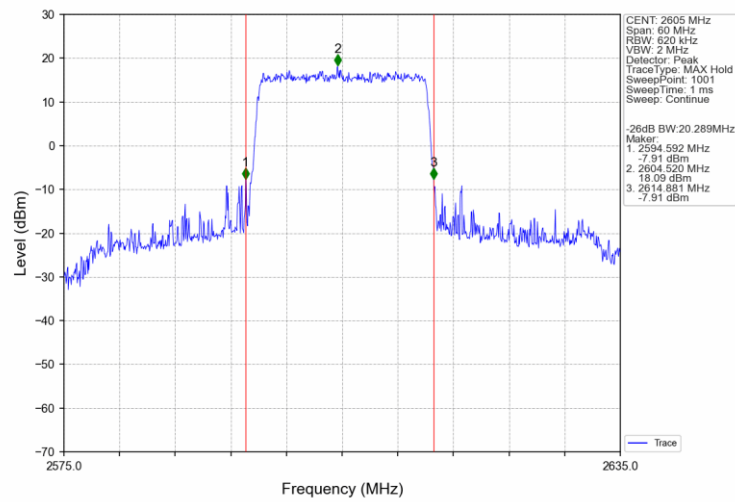
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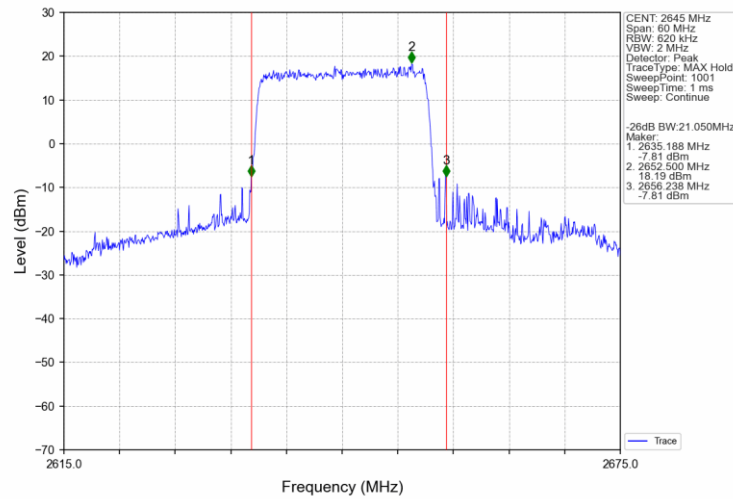
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



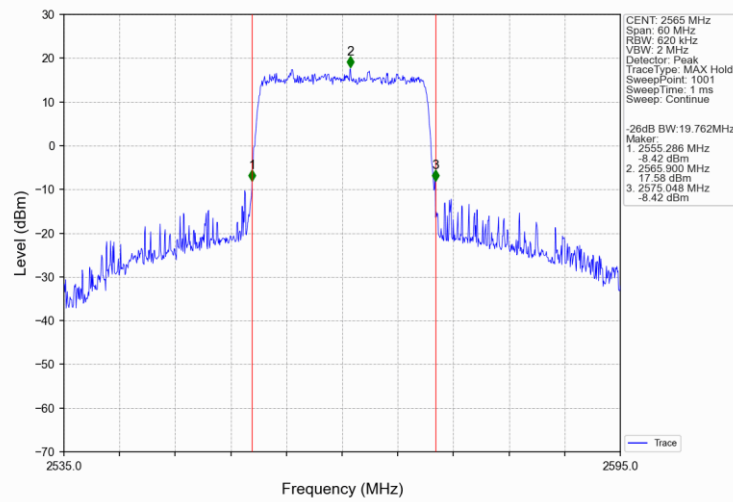
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



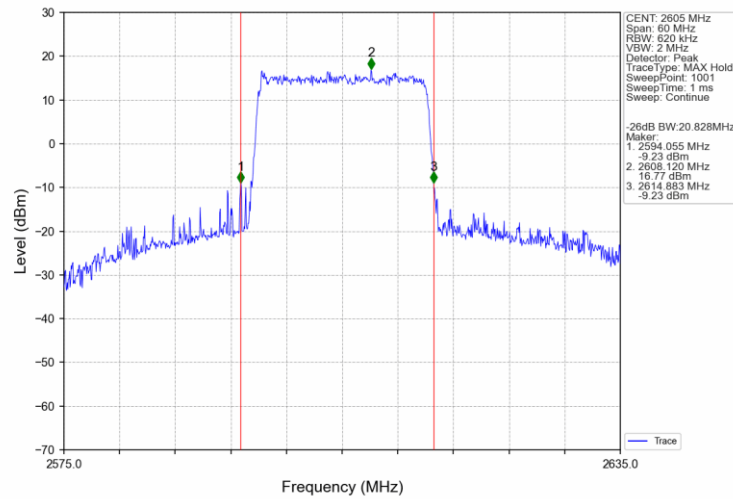
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



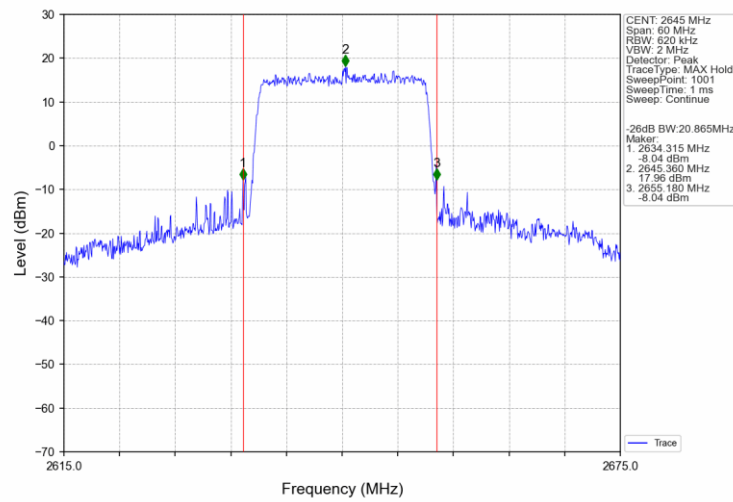
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



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	7.71	<=13	Pass
	2652.5	25	0	7.91	<=13	Pass
16QAM	2557.5	25	0	8.18	<=13	Pass
	2605	25	0	8.18	<=13	Pass
	2652.5	25	0	8.60	<=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	7.58	<=13	Pass
	2650	50	0	7.76	<=13	Pass
16QAM	2560	50	0	8.24	<=13	Pass
	2605	50	0	8.40	<=13	Pass
	2650	50	0	8.69	<=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	7.08	<=13	Pass
	2605	75	0	7.42	<=13	Pass
	2647.5	75	0	7.54	<=13	Pass
16QAM	2562.5	75	0	8.10	<=13	Pass
	2605	75	0	8.08	<=13	Pass
	2647.5	75	0	8.40	<=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	7.66	<=13	Pass
	2605	100	0	7.71	<=13	Pass
	2645	100	0	7.76	<=13	Pass
16QAM	2565	100	0	8.49	<=13	Pass
	2605	100	0	8.43	<=13	Pass
	2645	100	0	8.54	<=13	Pass



5.2 Test Graph

5.2.1 B41_5MHz

