

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	23.26	-3.61	19.65	<=33.01	Pass
			13	23.41	-3.61	19.80	<=33.01	Pass
			24	23.40	-3.61	19.79	<=33.01	Pass
		12	0	22.35	-3.61	18.74	<=33.01	Pass
			6	22.42	-3.61	18.81	<=33.01	Pass
			13	22.44	-3.61	18.83	<=33.01	Pass
		25	0	22.42	-3.61	18.81	<=33.01	Pass
	2605	1	0	23.06	-3.61	19.45	<=33.01	Pass
			13	23.20	-3.61	19.59	<=33.01	Pass
			24	22.96	-3.61	19.35	<=33.01	Pass
		12	0	22.11	-3.61	18.50	<=33.01	Pass
			6	22.18	-3.61	18.57	<=33.01	Pass
			13	22.09	-3.61	18.48	<=33.01	Pass
		25	0	22.10	-3.61	18.49	<=33.01	Pass
	2652.5	1	0	23.16	-3.61	19.55	<=33.01	Pass
			13	23.38	-3.61	19.77	<=33.01	Pass
			24	23.15	-3.61	19.54	<=33.01	Pass
		12	0	22.33	-3.61	18.72	<=33.01	Pass
			6	22.27	-3.61	18.66	<=33.01	Pass
			13	22.29	-3.61	18.68	<=33.01	Pass
		25	0	22.23	-3.61	18.62	<=33.01	Pass
16QAM	2557.5	1	0	22.43	-3.61	18.82	<=33.01	Pass
			13	22.52	-3.61	18.91	<=33.01	Pass
			24	22.42	-3.61	18.81	<=33.01	Pass
		12	0	21.32	-3.61	17.71	<=33.01	Pass
			6	21.44	-3.61	17.83	<=33.01	Pass
			13	21.38	-3.61	17.77	<=33.01	Pass
		25	0	21.42	-3.61	17.81	<=33.01	Pass
	2605	1	0	22.13	-3.61	18.52	<=33.01	Pass
			13	22.26	-3.61	18.65	<=33.01	Pass
			24	22.13	-3.61	18.52	<=33.01	Pass
		12	0	21.03	-3.61	17.42	<=33.01	Pass
			6	21.18	-3.61	17.57	<=33.01	Pass
			13	21.13	-3.61	17.52	<=33.01	Pass
		25	0	21.12	-3.61	17.51	<=33.01	Pass
	2652.5	1	0	22.25	-3.61	18.64	<=33.01	Pass
			13	22.43	-3.61	18.82	<=33.01	Pass
			24	22.55	-3.61	18.94	<=33.01	Pass
		12	0	21.27	-3.61	17.66	<=33.01	Pass
			6	21.15	-3.61	17.54	<=33.01	Pass
			13	21.17	-3.61	17.56	<=33.01	Pass
		25	0	21.30	-3.61	17.69	<=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	23.44	-3.61	19.83	<=33.01	Pass
			25	23.49	-3.61	19.88	<=33.01	Pass
			49	23.42	-3.61	19.81	<=33.01	Pass
		25	0	22.38	-3.61	18.77	<=33.01	Pass
			13	22.46	-3.61	18.85	<=33.01	Pass
			25	22.45	-3.61	18.84	<=33.01	Pass
		50	0	22.44	-3.61	18.83	<=33.01	Pass
	2605	1	0	23.17	-3.61	19.56	<=33.01	Pass
			25	23.22	-3.61	19.61	<=33.01	Pass
			49	23.07	-3.61	19.46	<=33.01	Pass
		25	0	22.16	-3.61	18.55	<=33.01	Pass
			13	22.21	-3.61	18.60	<=33.01	Pass
			25	22.12	-3.61	18.51	<=33.01	Pass
		50	0	22.17	-3.61	18.56	<=33.01	Pass
	2650	1	0	23.30	-3.61	19.69	<=33.01	Pass
			25	23.36	-3.61	19.75	<=33.01	Pass
			49	23.35	-3.61	19.74	<=33.01	Pass
		25	0	22.22	-3.61	18.61	<=33.01	Pass
			13	22.27	-3.61	18.66	<=33.01	Pass
			25	22.28	-3.61	18.67	<=33.01	Pass
		50	0	22.25	-3.61	18.64	<=33.01	Pass
16QAM	2560	1	0	22.56	-3.61	18.95	<=33.01	Pass
			25	22.55	-3.61	18.94	<=33.01	Pass
			49	22.45	-3.61	18.84	<=33.01	Pass
		25	0	21.37	-3.61	17.76	<=33.01	Pass
			13	21.53	-3.61	17.92	<=33.01	Pass
			25	21.49	-3.61	17.88	<=33.01	Pass
		50	0	21.39	-3.61	17.78	<=33.01	Pass
	2605	1	0	21.82	-3.61	18.21	<=33.01	Pass
			25	22.39	-3.61	18.78	<=33.01	Pass
			49	21.86	-3.61	18.25	<=33.01	Pass
		25	0	21.19	-3.61	17.58	<=33.01	Pass
			13	21.21	-3.61	17.60	<=33.01	Pass
			25	21.14	-3.61	17.53	<=33.01	Pass
		50	0	21.16	-3.61	17.55	<=33.01	Pass
	2650	1	0	22.09	-3.61	18.48	<=33.01	Pass
			25	22.18	-3.61	18.57	<=33.01	Pass
			49	22.17	-3.61	18.56	<=33.01	Pass
		25	0	21.30	-3.61	17.69	<=33.01	Pass
			13	21.30	-3.61	17.69	<=33.01	Pass
			25	21.24	-3.61	17.63	<=33.01	Pass
		50	0	21.32	-3.61	17.71	<=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	23.36	-3.61	19.75	<=33.01	Pass
			38	23.46	-3.61	19.85	<=33.01	Pass
			74	23.36	-3.61	19.75	<=33.01	Pass
		36	0	22.34	-3.61	18.73	<=33.01	Pass
			18	22.47	-3.61	18.86	<=33.01	Pass

16QAM	2605	75	39	22.40	-3.61	18.79	<=33.01	Pass
			0	22.38	-3.61	18.77	<=33.01	Pass
			74	23.10	-3.61	19.49	<=33.01	Pass
		36	0	22.12	-3.61	18.51	<=33.01	Pass
			18	22.16	-3.61	18.55	<=33.01	Pass
			39	22.14	-3.61	18.53	<=33.01	Pass
		75	0	22.17	-3.61	18.56	<=33.01	Pass
			38	23.34	-3.61	19.73	<=33.01	Pass
			74	23.19	-3.61	19.58	<=33.01	Pass
	2647.5	36	0	22.14	-3.61	18.53	<=33.01	Pass
			18	22.26	-3.61	18.65	<=33.01	Pass
			39	22.19	-3.61	18.58	<=33.01	Pass
		75	0	22.19	-3.61	18.58	<=33.01	Pass
			0	22.48	-3.61	18.87	<=33.01	Pass
			38	22.29	-3.61	18.68	<=33.01	Pass
		36	0	21.33	-3.61	17.72	<=33.01	Pass
			18	21.44	-3.61	17.83	<=33.01	Pass
			39	21.39	-3.61	17.78	<=33.01	Pass
16QAM	2562.5	75	0	21.36	-3.61	17.75	<=33.01	Pass
			0	22.20	-3.61	18.59	<=33.01	Pass
			38	22.13	-3.61	18.52	<=33.01	Pass
		36	0	21.14	-3.61	17.53	<=33.01	Pass
			18	21.21	-3.61	17.60	<=33.01	Pass
			39	21.12	-3.61	17.51	<=33.01	Pass
		75	0	21.15	-3.61	17.54	<=33.01	Pass
			0	21.99	-3.61	18.38	<=33.01	Pass
			38	22.14	-3.61	18.53	<=33.01	Pass
	2605	36	0	21.15	-3.61	17.54	<=33.01	Pass
			18	21.26	-3.61	17.65	<=33.01	Pass
			39	21.26	-3.61	17.65	<=33.01	Pass
		75	0	21.20	-3.61	17.59	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
			38	22.11	-3.61	18.50	<=33.01	Pass
		36	0	21.15	-3.61	17.54	<=33.01	Pass
			18	21.26	-3.61	17.65	<=33.01	Pass
			39	21.26	-3.61	17.65	<=33.01	Pass
	2647.5	75	0	21.20	-3.61	17.59	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
			38	22.11	-3.61	18.50	<=33.01	Pass
		36	0	21.15	-3.61	17.54	<=33.01	Pass
			18	21.26	-3.61	17.65	<=33.01	Pass
			39	21.26	-3.61	17.65	<=33.01	Pass
		75	0	21.20	-3.61	17.59	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
			38	22.11	-3.61	18.50	<=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	23.30	-3.61	19.69	<=33.01	Pass
			50	23.47	-3.61	19.86	<=33.01	Pass
			99	23.36	-3.61	19.75	<=33.01	Pass
		50	0	22.33	-3.61	18.72	<=33.01	Pass
			25	22.46	-3.61	18.85	<=33.01	Pass
			50	22.43	-3.61	18.82	<=33.01	Pass
		100	0	22.37	-3.61	18.76	<=33.01	Pass
			0	23.02	-3.61	19.41	<=33.01	Pass
			50	23.12	-3.61	19.51	<=33.01	Pass
	2605	1	99	23.06	-3.61	19.45	<=33.01	Pass
			0	22.17	-3.61	18.56	<=33.01	Pass
			25	22.23	-3.61	18.62	<=33.01	Pass
		50	50	22.11	-3.61	18.50	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
		100	0	22.11	-3.61	18.50	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass
			0	22.11	-3.61	18.50	<=33.01	Pass

	2645	1	0	23.03	-3.61	19.42	<=33.01	Pass		
			50	23.18	-3.61	19.57	<=33.01	Pass		
			99	23.18	-3.61	19.57	<=33.01	Pass		
		50	0	22.16	-3.61	18.55	<=33.01	Pass		
			25	22.32	-3.61	18.71	<=33.01	Pass		
			50	22.27	-3.61	18.66	<=33.01	Pass		
		100	0	22.20	-3.61	18.59	<=33.01	Pass		
		16QAM	2565	1	0	22.34	-3.61	18.73	<=33.01	Pass
					50	22.43	-3.61	18.82	<=33.01	Pass
99	22.37				-3.61	18.76	<=33.01	Pass		
50	0			21.30	-3.61	17.69	<=33.01	Pass		
	25			21.45	-3.61	17.84	<=33.01	Pass		
	50			21.42	-3.61	17.81	<=33.01	Pass		
100	0			21.31	-3.61	17.70	<=33.01	Pass		
2605	1			0	22.11	-3.61	18.50	<=33.01	Pass	
				50	22.36	-3.61	18.75	<=33.01	Pass	
			99	21.66	-3.61	18.05	<=33.01	Pass		
	50		0	21.13	-3.61	17.52	<=33.01	Pass		
			25	21.19	-3.61	17.58	<=33.01	Pass		
			50	21.09	-3.61	17.48	<=33.01	Pass		
	100		0	21.10	-3.61	17.49	<=33.01	Pass		
	2645		1	0	21.76	-3.61	18.15	<=33.01	Pass	
				50	22.00	-3.61	18.39	<=33.01	Pass	
99				21.89	-3.61	18.28	<=33.01	Pass		
50			0	21.14	-3.61	17.53	<=33.01	Pass		
			25	21.26	-3.61	17.65	<=33.01	Pass		
			50	21.21	-3.61	17.60	<=33.01	Pass		
100			0	21.21	-3.61	17.60	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

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	-5.307	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0004	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0004	-2.5 to 2.5	Pass
				0	3.85	4.578	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass
				50	3.85	5.550	0.0022	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-5.965	-0.0023	-2.5 to 2.5	Pass
					3.85	1.416	0.0005	-2.5 to 2.5	Pass
					4.43	-9.284	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass

				0	3.85	-8.841	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-9.542	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-4.621	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-6.738	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-6.237	-0.0024	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-4.077	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					4.43	6.208	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.210	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.089	0.0008	-2.5 to 2.5	Pass
				10	3.85	4.692	0.0018	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.689	-0.0010	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	3.233	0.0013	-2.5 to 2.5	Pass
					3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0005	-2.5 to 2.5	Pass
				-20	3.85	6.423	0.0025	-2.5 to 2.5	Pass
				-10	3.85	4.606	0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				10	3.85	3.548	0.0014	-2.5 to 2.5	Pass
				30	3.85	4.206	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.134	0.0016	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-8.283	-0.0032	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.020	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.505	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-7.253	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.095	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-9.356	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.219	-0.0012	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	2.003	0.0008	-2.5 to 2.5	Pass
					3.85	-7.052	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.216	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-5.851	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-6.652	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-9.928	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-13.375	-0.0050	-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	-3.204	-0.0013	-2.5 to 2.5	Pass
					3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0005	-2.5 to 2.5	Pass

16QAM				-30	3.85	-1.388	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.419	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
	2605	50	0	50	3.85	-3.533	-0.0014	-2.5 to 2.5	Pass
				20	3.27	-8.869	-0.0034	-2.5 to 2.5	Pass
					3.85	-10.257	-0.0039	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0038	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-0.057	0.0000	-2.5 to 2.5	Pass
					3.85	-5.879	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.632	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.322	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-7.396	-0.0028	-2.5 to 2.5	Pass
				50	3.85	1.245	0.0005	-2.5 to 2.5	Pass
	2560	50	0	20	3.27	-6.523	-0.0025	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0000	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	0.572	0.0002	-2.5 to 2.5	Pass
					3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.705	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.518	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.203	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-9.370	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	3.862	0.0015	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
					4.43	-10.014	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-7.482	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.292	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-6.695	-0.0025	-2.5 to 2.5	Pass

				10	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0012	-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	-5.636	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.795	-0.0027	-2.5 to 2.5	Pass
					4.43	1.502	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-6.452	-0.0025	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.907	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-5.965	-0.0023	-2.5 to 2.5	Pass
					3.85	0.429	0.0002	-2.5 to 2.5	Pass
					4.43	-8.397	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-2.947	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-5.536	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.422	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.332	-0.0009	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-2.632	-0.0010	-2.5 to 2.5	Pass
					3.85	-6.924	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0019	-2.5 to 2.5	Pass

				-20	3.85	-1.960	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.808	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-7.095	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-5.436	-0.0021	-2.5 to 2.5	Pass
					3.85	1.631	0.0006	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.593	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0021	-2.5 to 2.5	Pass

2.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2565	100	0	20	3.27	-1.931	-0.0008	-2.5 to 2.5	Pass
					3.85	-9.427	-0.0037	-2.5 to 2.5	Pass
					4.43	-8.054	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.738	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.173	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0020	-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	-2.575	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.230	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-8.726	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.765	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-6.094	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0024	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.548	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-5.364	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-2.875	-0.0011	-2.5 to 2.5	Pass

					3.85	-6.166	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-4.663	-0.0018	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-6.537	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0025	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0008	-2.5 to 2.5	Pass
				50	3.85	-8.383	-0.0032	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-6.051	-0.0023	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.443	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.849	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.422	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.194	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.220	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.463	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0019	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
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 / NTV						
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

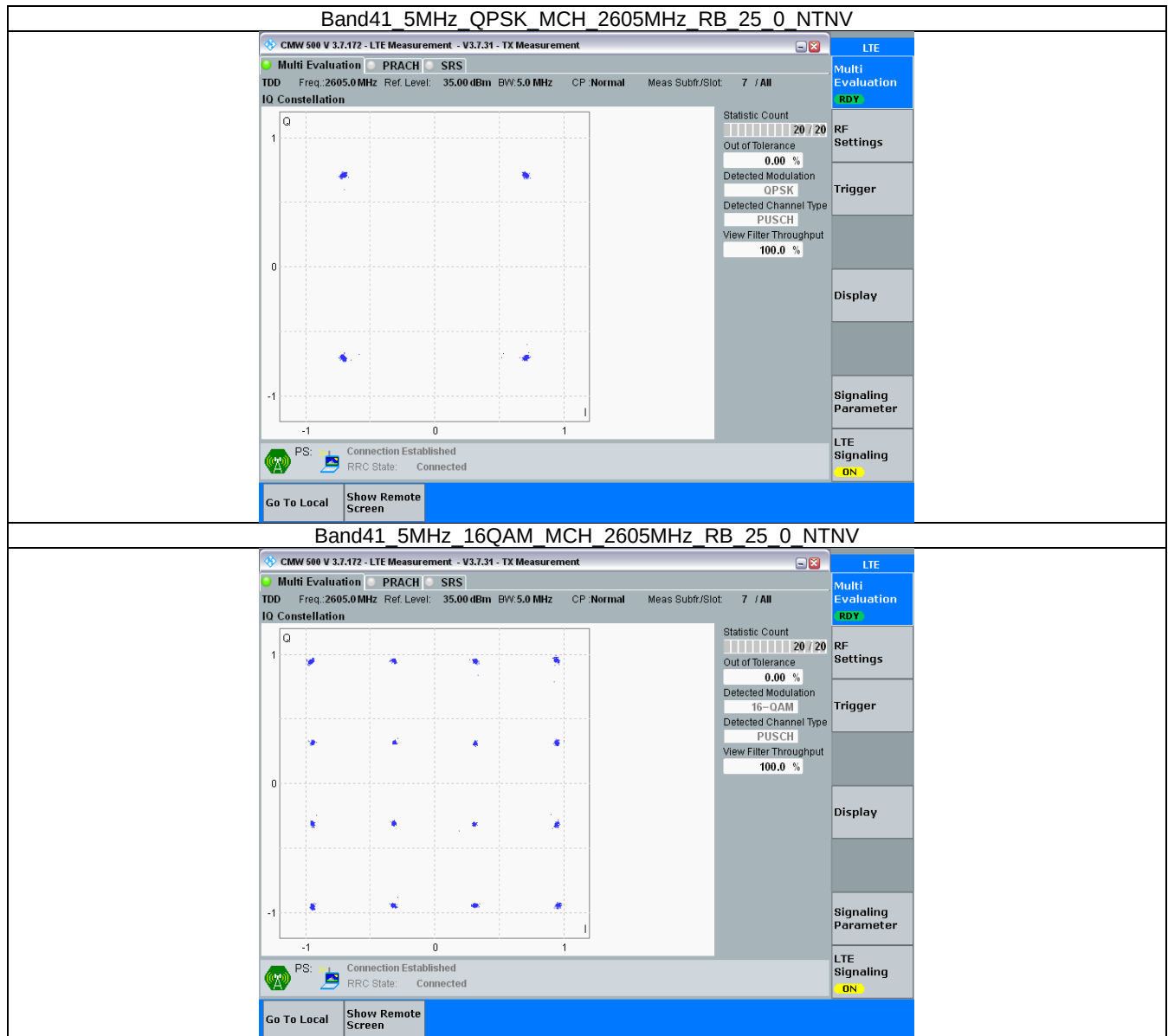
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

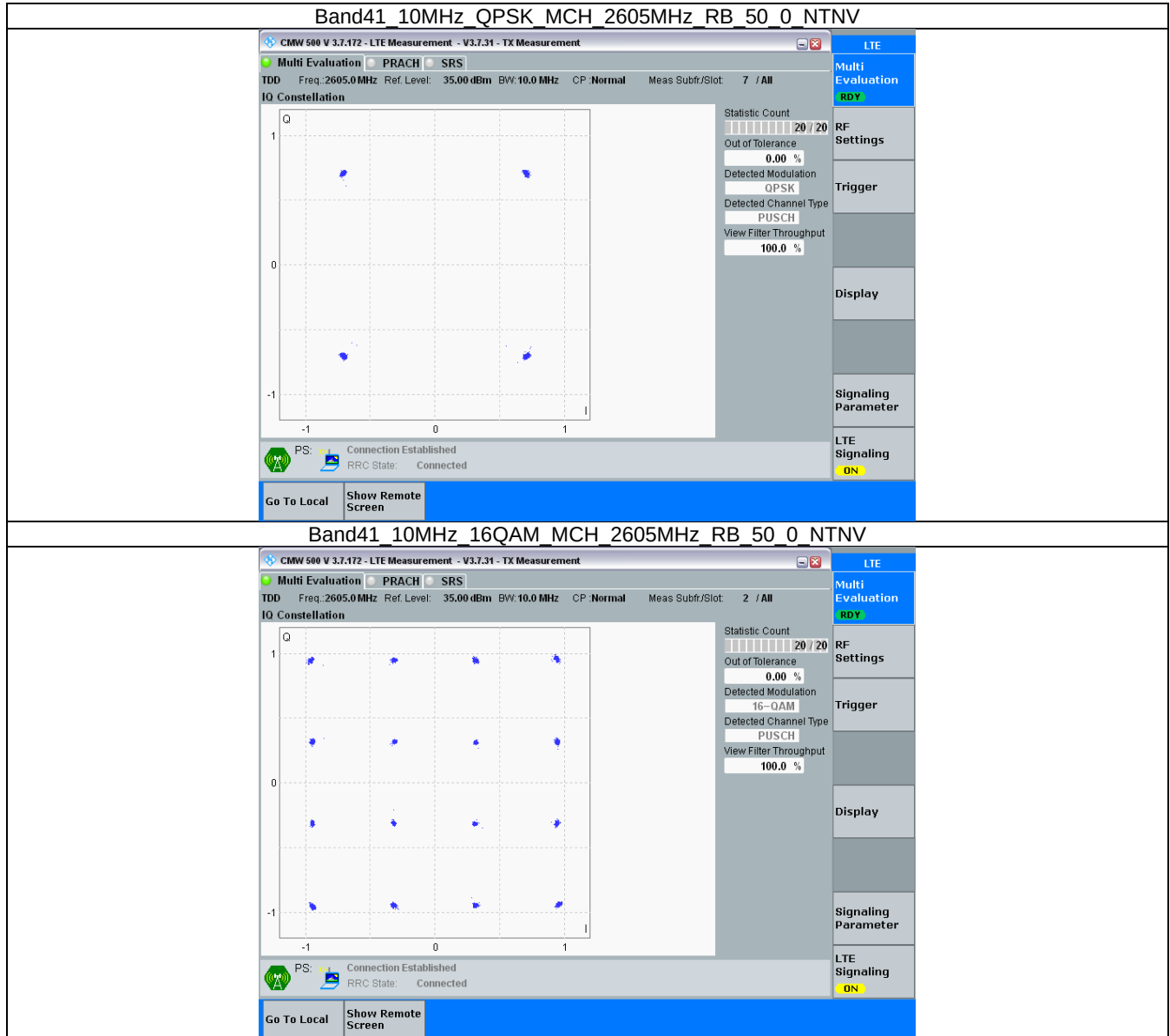
Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

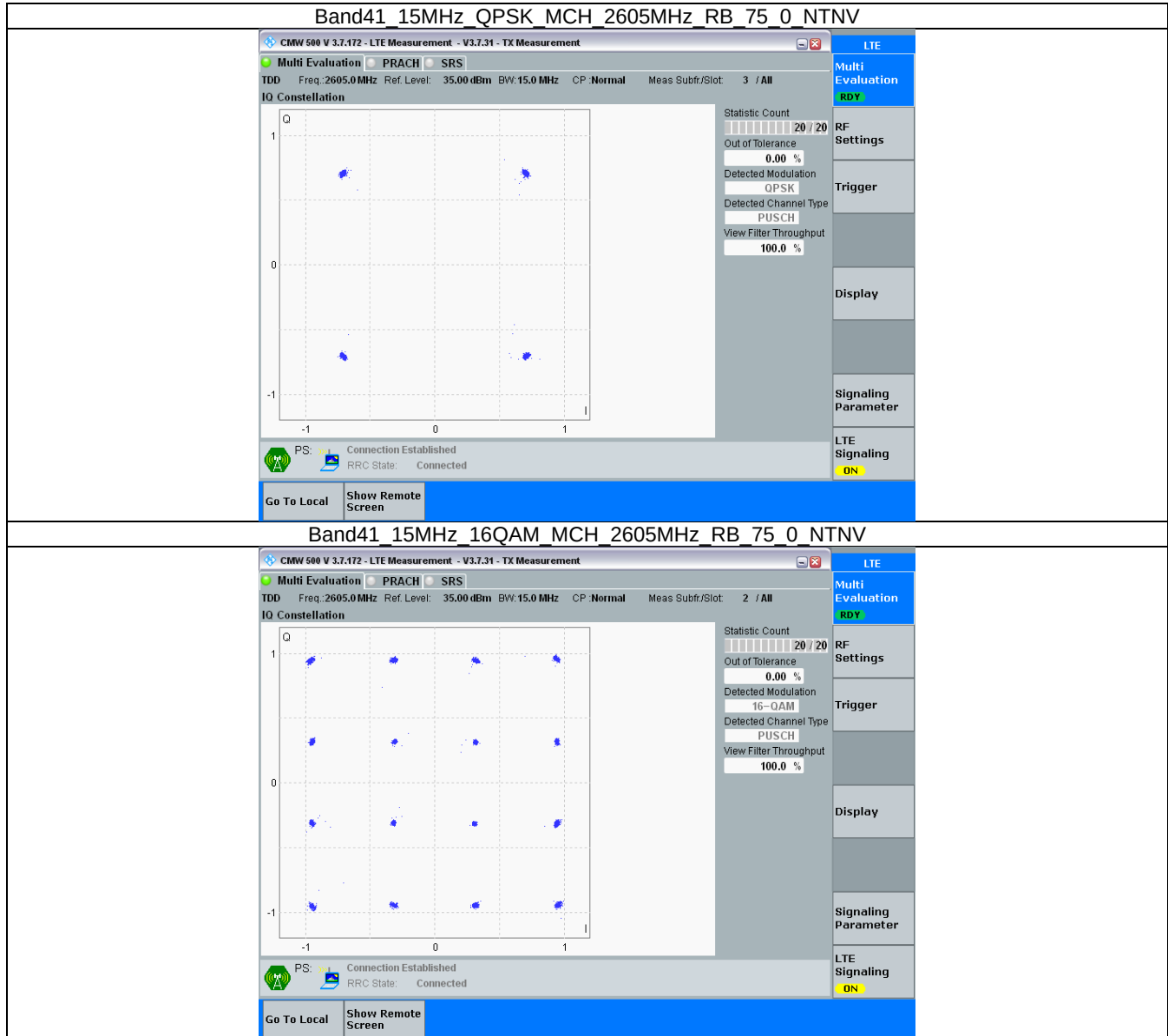
3.2.1 B41_5MHz



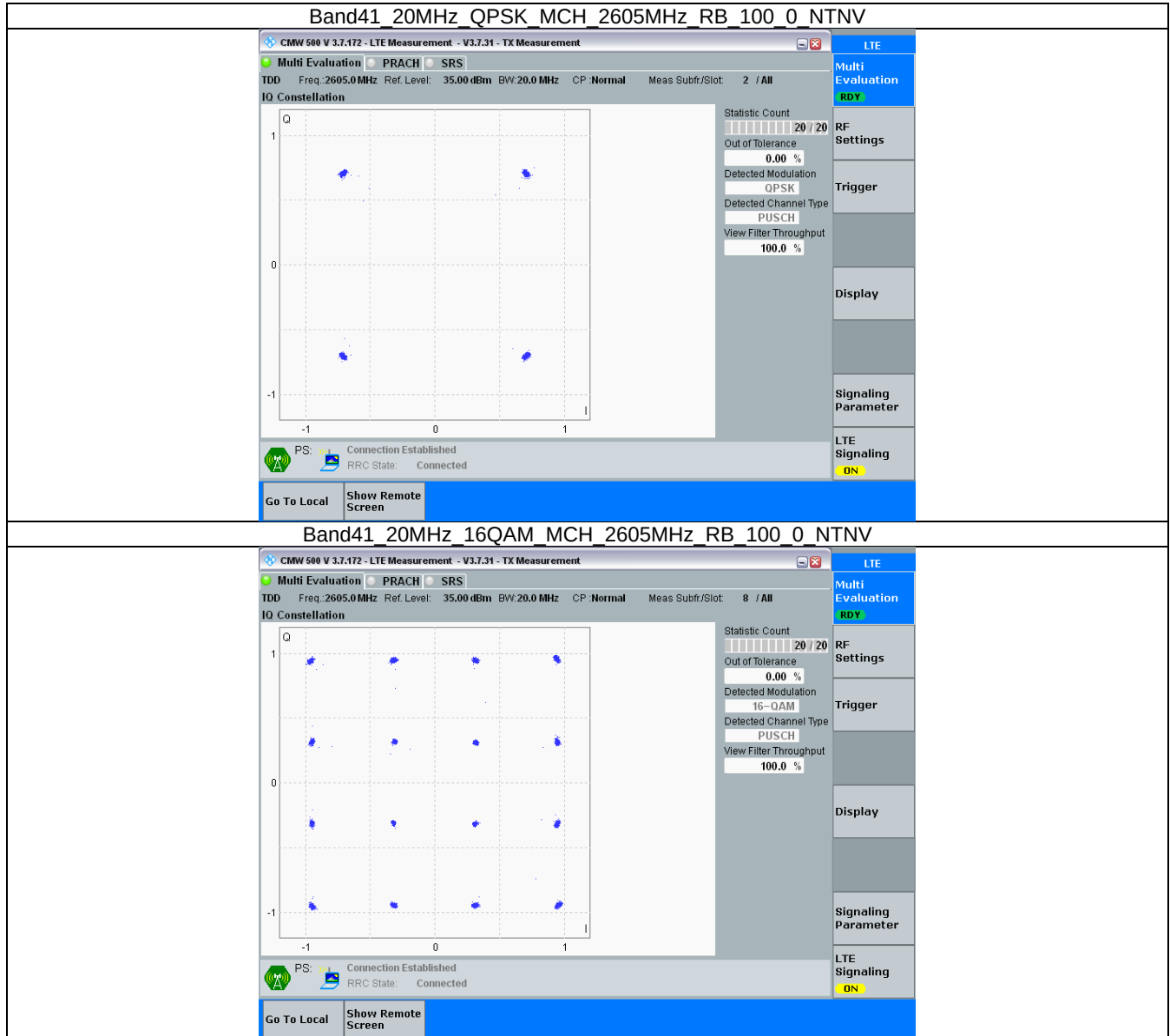
3.2.2 B41_10MHz



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	4.549	/	Pass
		2605	25	0	4.534	/	Pass
		2652.5	25	0	4.545	/	Pass
	16QAM	2557.5	25	0	4.545	/	Pass
		2605	25	0	4.527	/	Pass
		2652.5	25	0	4.561	/	Pass
10	QPSK	2560	50	0	9.024	/	Pass
		2605	50	0	9.078	/	Pass
		2650	50	0	9.042	/	Pass
	16QAM	2560	50	0	9.065	/	Pass
		2605	50	0	9.042	/	Pass
		2650	50	0	9.051	/	Pass
15	QPSK	2562.5	75	0	13.579	/	Pass
		2605	75	0	13.559	/	Pass
		2647.5	75	0	13.549	/	Pass
	16QAM	2562.5	75	0	13.558	/	Pass
		2605	75	0	13.597	/	Pass
		2647.5	75	0	13.590	/	Pass
20	QPSK	2565	100	0	18.027	/	Pass
		2605	100	0	18.052	/	Pass
		2645	100	0	18.028	/	Pass
	16QAM	2565	100	0	18.060	/	Pass
		2605	100	0	18.068	/	Pass
		2645	100	0	18.024	/	Pass

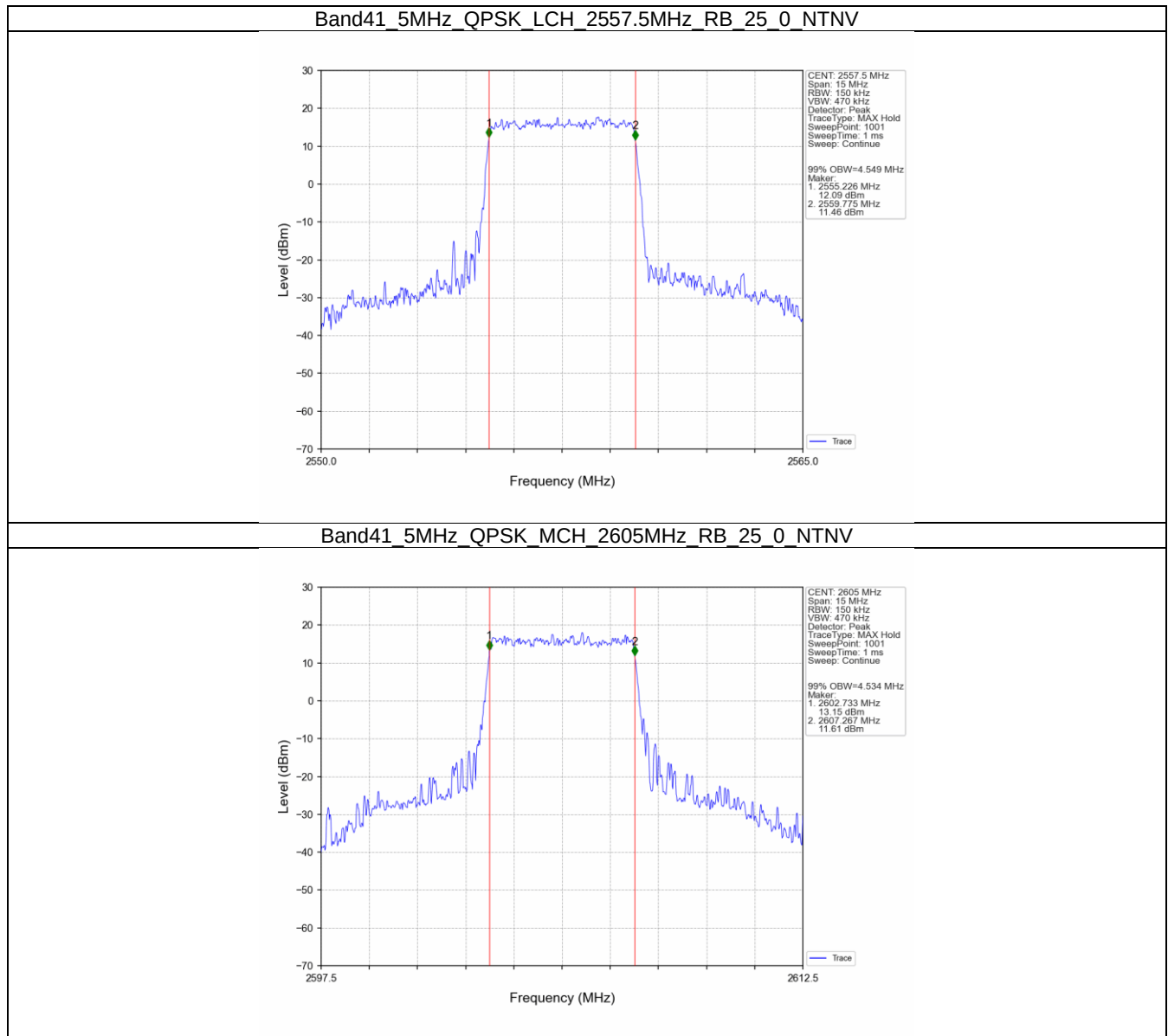
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.006	/	Pass
		2605	25	0	5.121	/	Pass
		2652.5	25	0	4.964	/	Pass
	16QAM	2557.5	25	0	5.230	/	Pass
		2605	25	0	4.997	/	Pass
		2652.5	25	0	4.991	/	Pass
10	QPSK	2560	50	0	9.844	/	Pass
		2605	50	0	9.894	/	Pass
		2650	50	0	9.916	/	Pass
	16QAM	2560	50	0	9.940	/	Pass
		2605	50	0	9.974	/	Pass
		2650	50	0	9.924	/	Pass
15	QPSK	2562.5	75	0	14.825	/	Pass
		2605	75	0	16.456	/	Pass
		2647.5	75	0	14.770	/	Pass

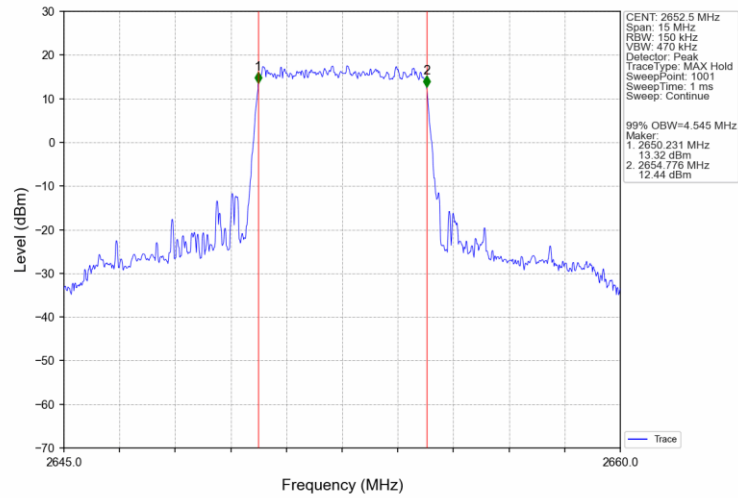
20	16QAM	2562.5	75	0	14.782	/	Pass
		2605	75	0	15.088	/	Pass
		2647.5	75	0	14.891	/	Pass
	QPSK	2565	100	0	19.591	/	Pass
		2605	100	0	19.582	/	Pass
		2645	100	0	19.708	/	Pass
	16QAM	2565	100	0	19.554	/	Pass
		2605	100	0	19.673	/	Pass
		2645	100	0	19.695	/	Pass

4.2 Test Graph

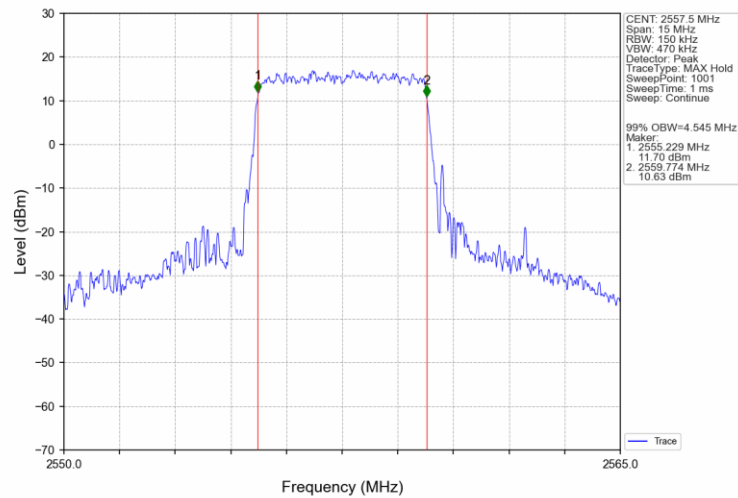
4.2.1 Band41_OBW



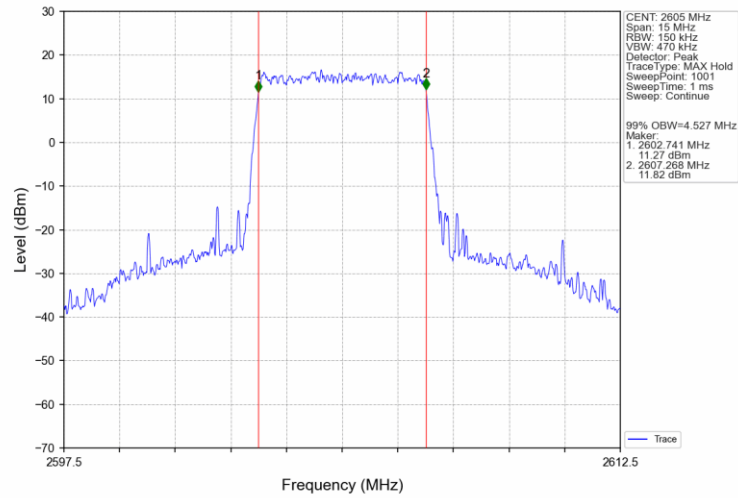
Band41 5MHz QPSK HCH 2652.5MHz RB 25 0 NTNV



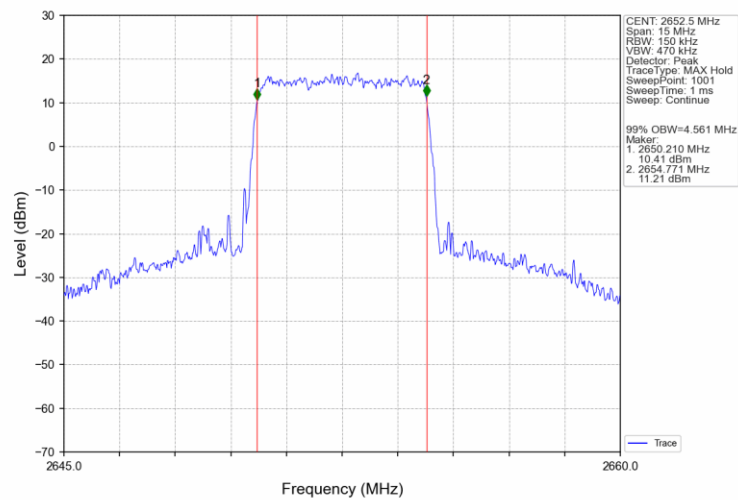
Band41 5MHz 16QAM LCH 2557.5MHz RB 25 0 NTNV



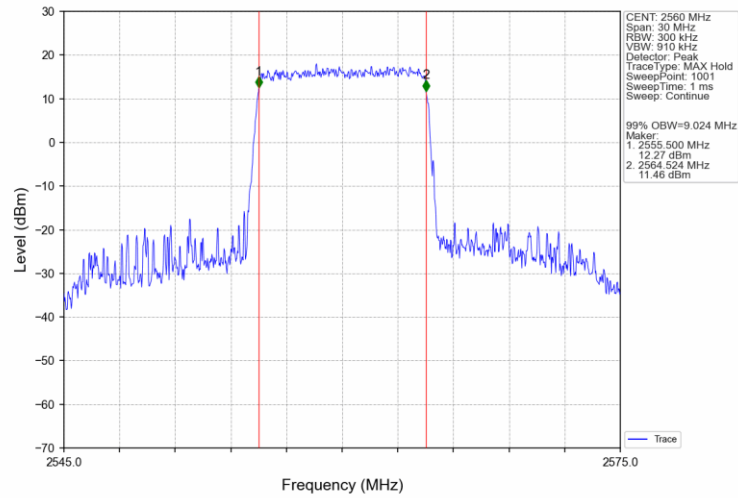
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



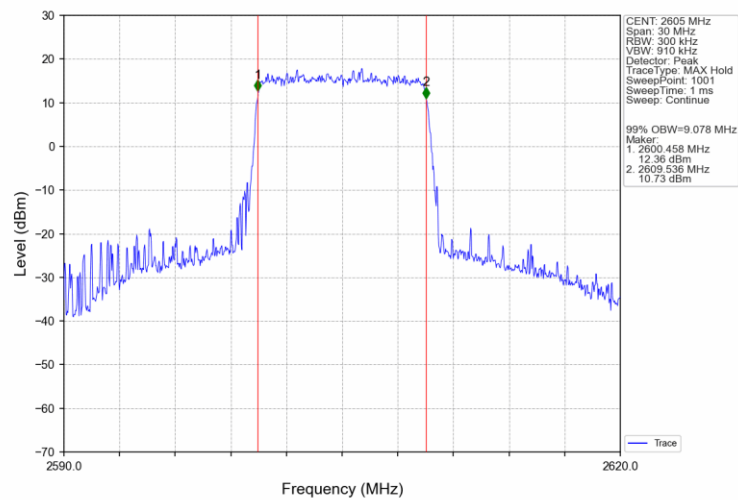
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



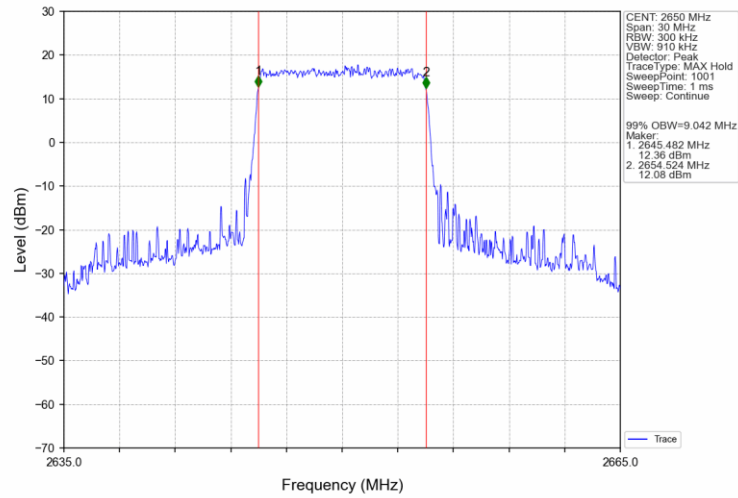
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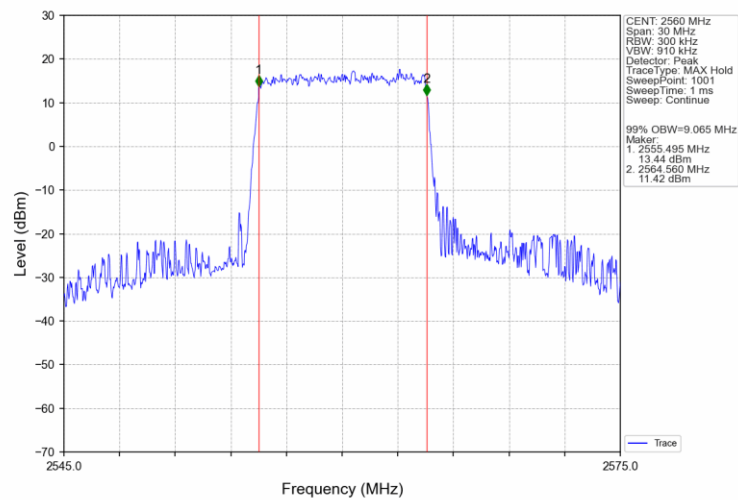
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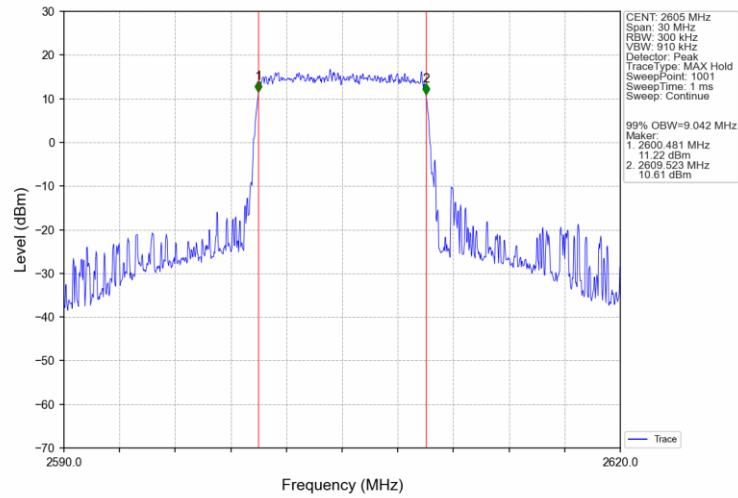
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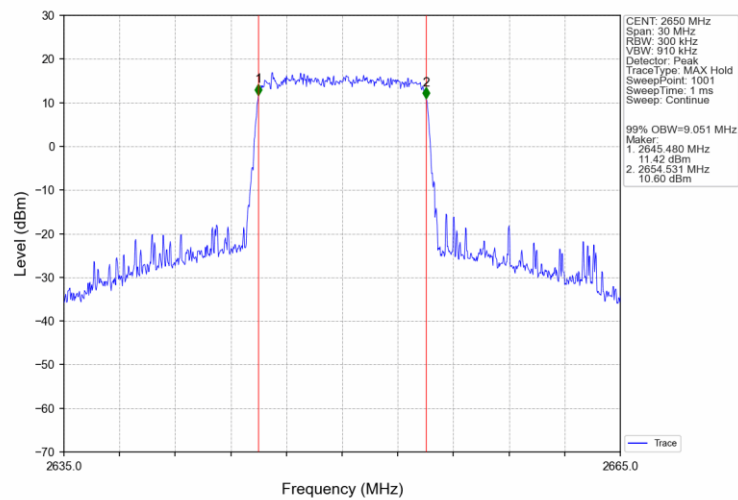
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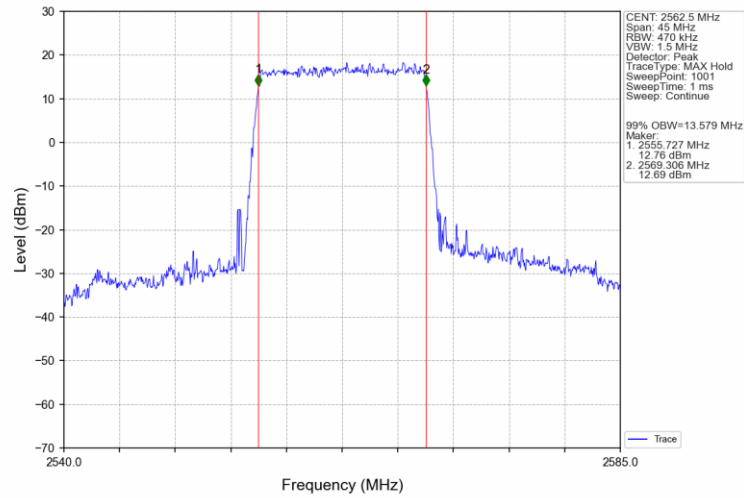
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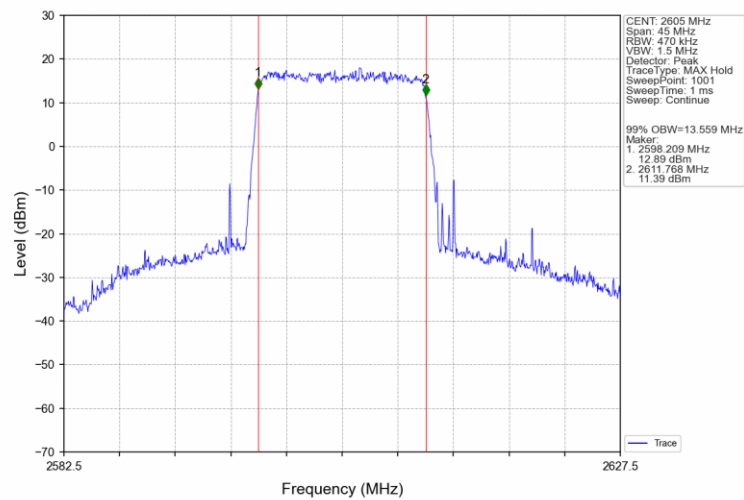
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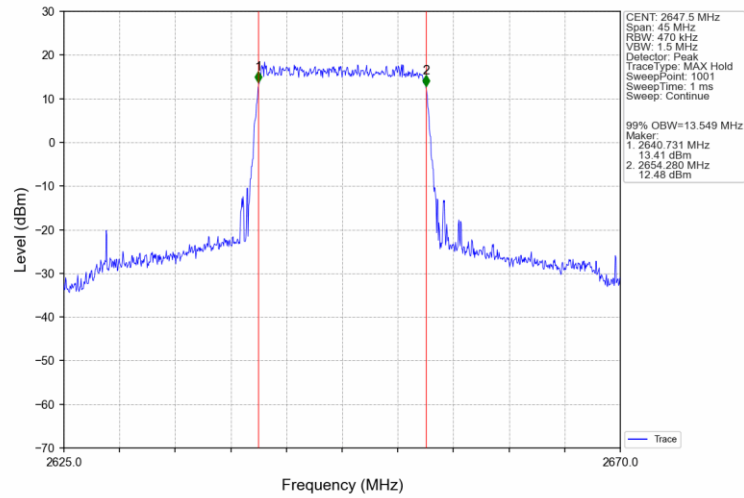
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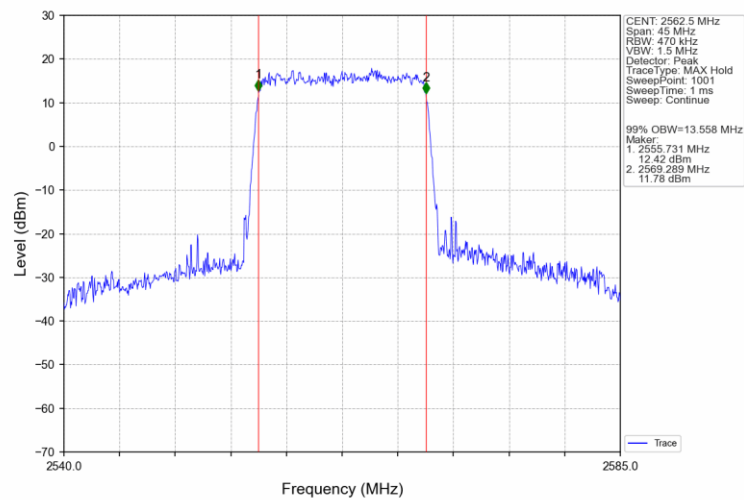
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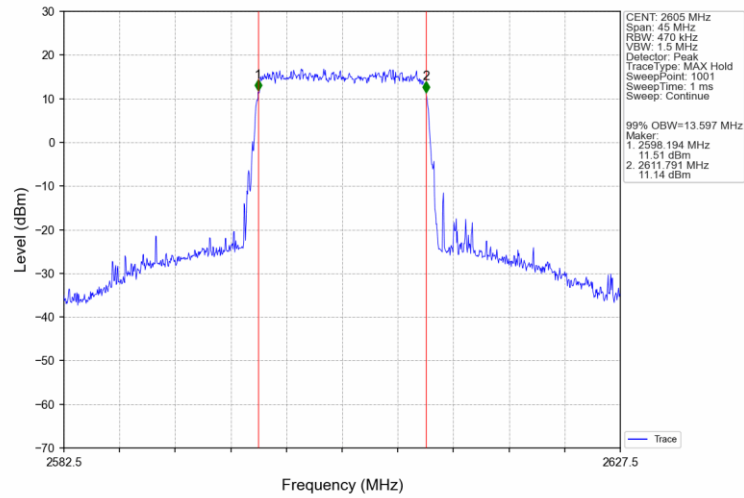
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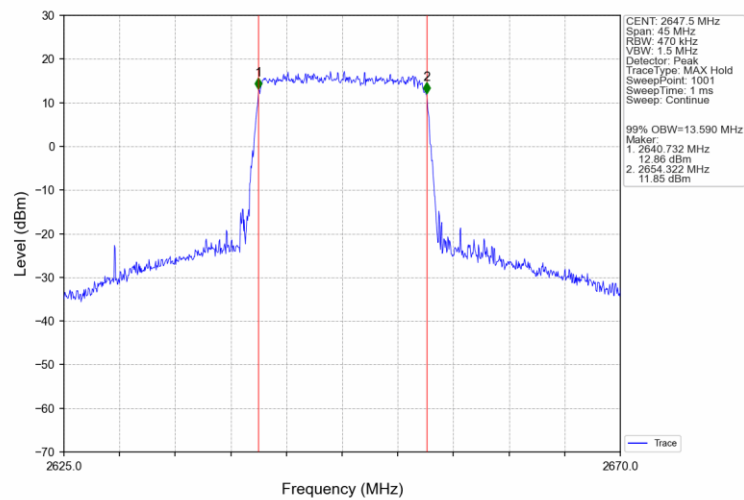
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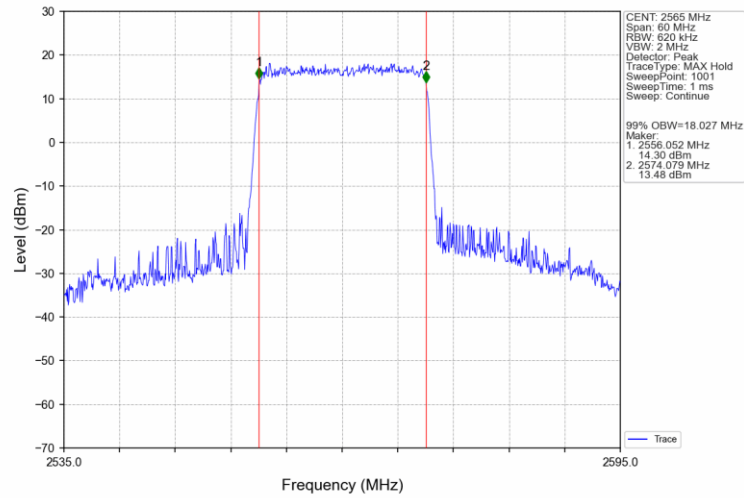
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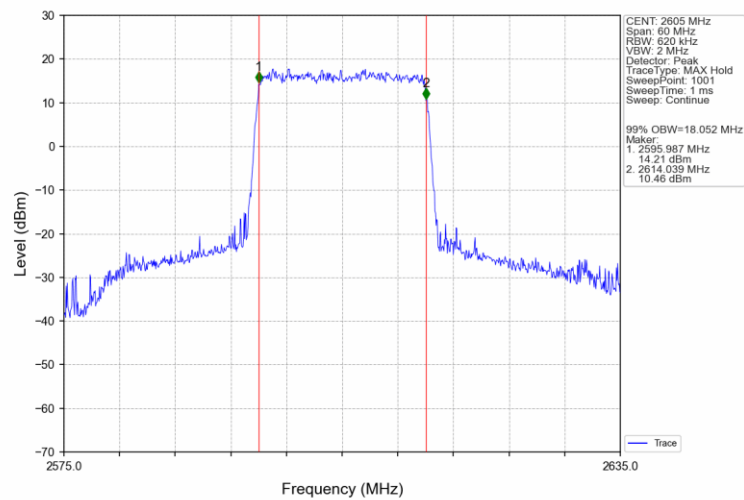
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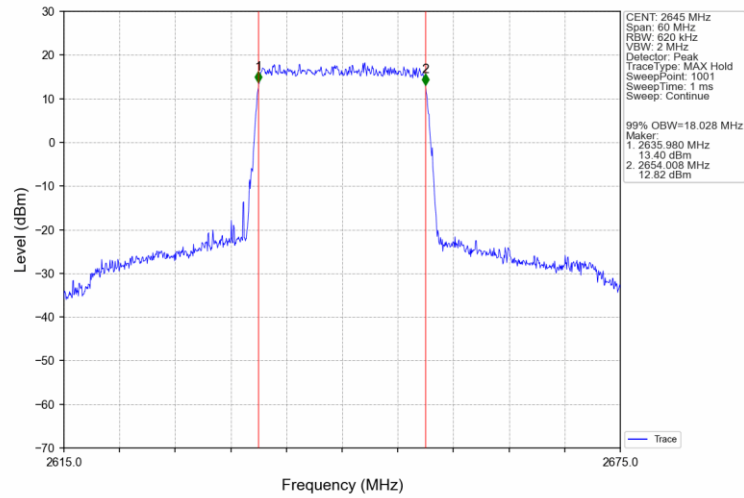
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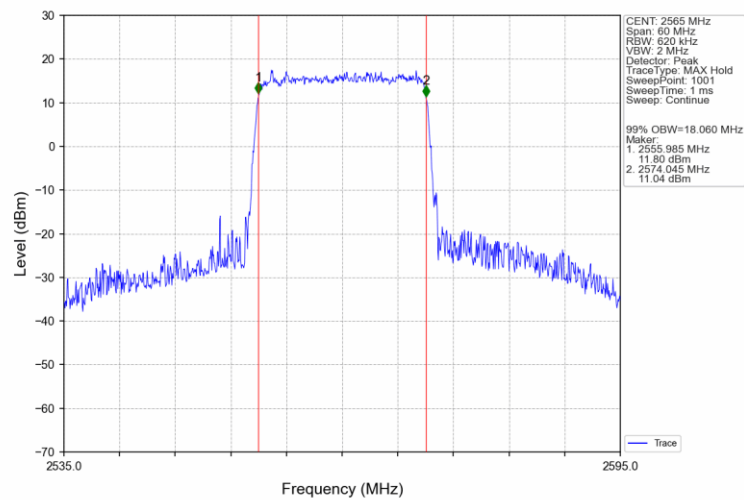
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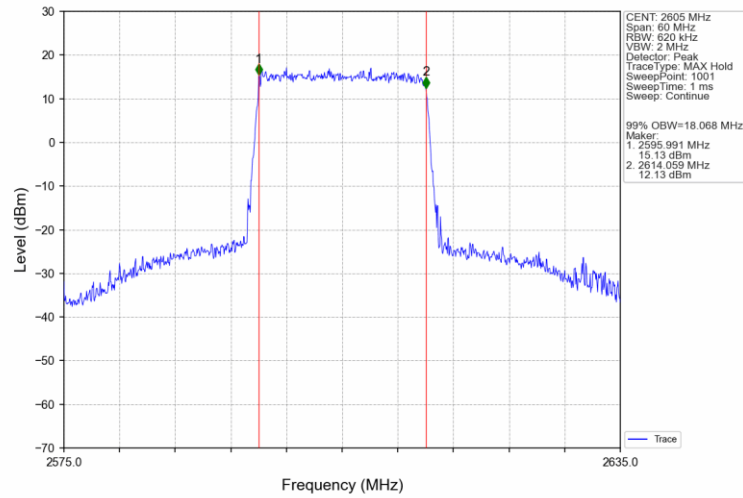
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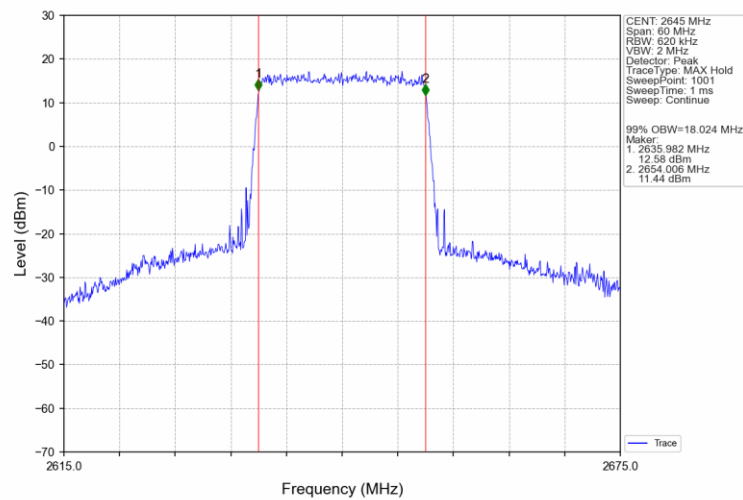
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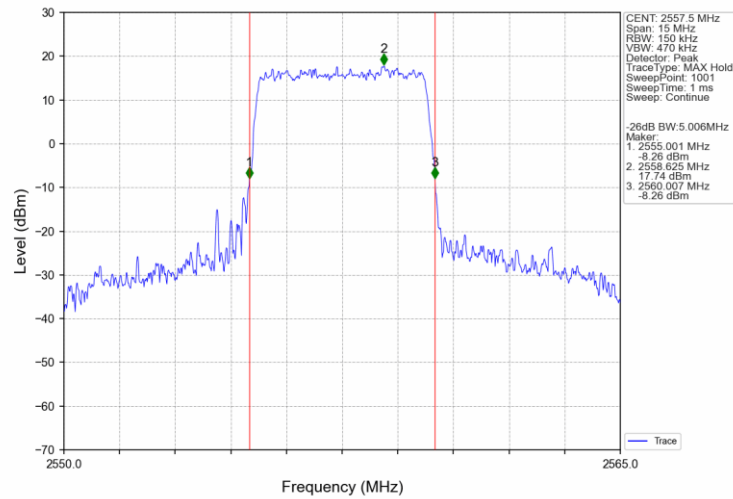


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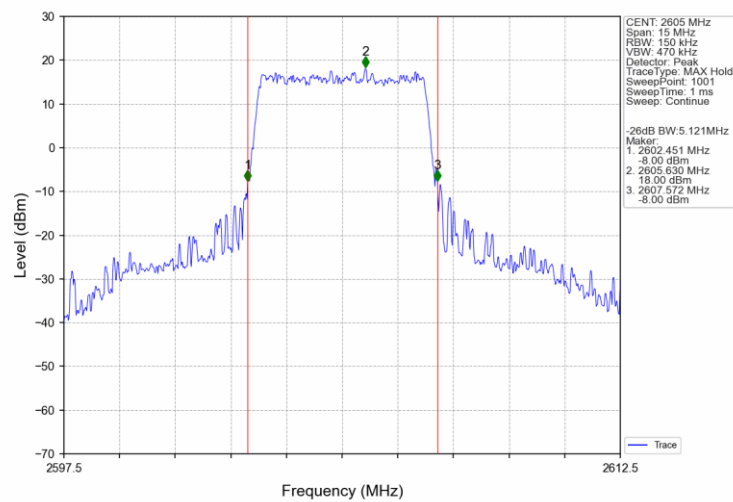


4.2.2 Band41_XDB

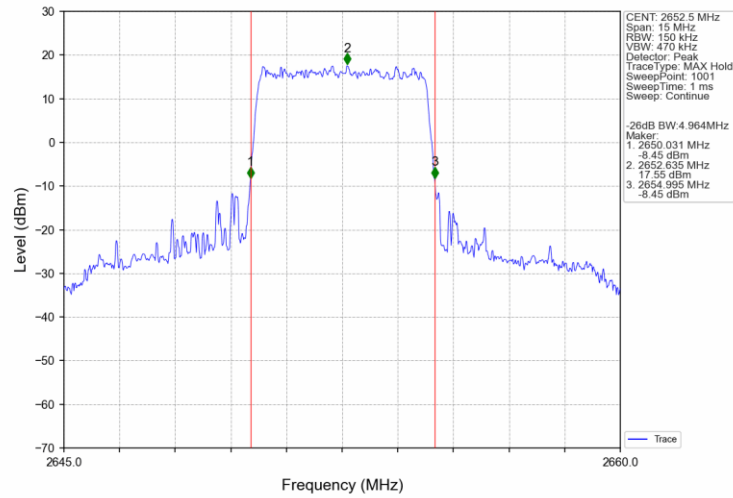
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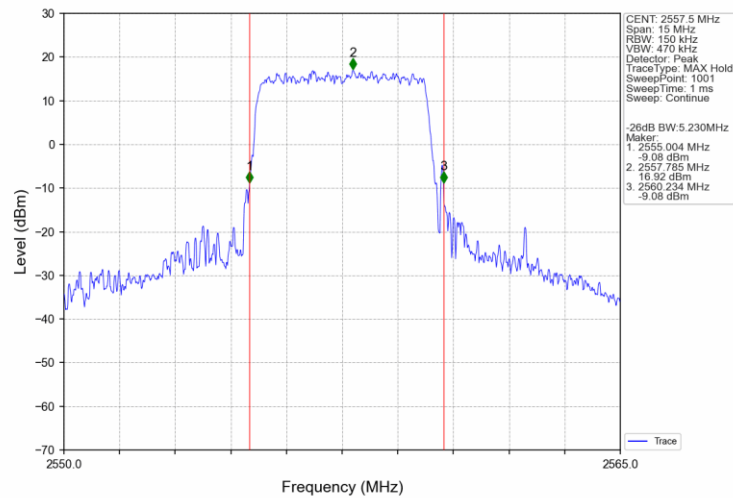
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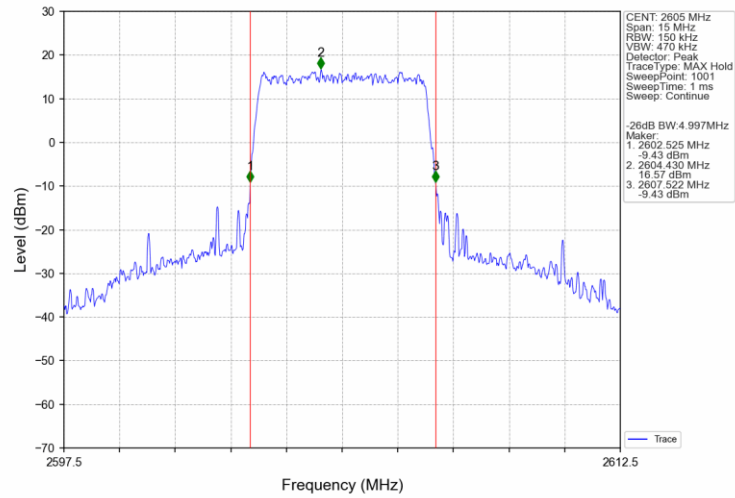
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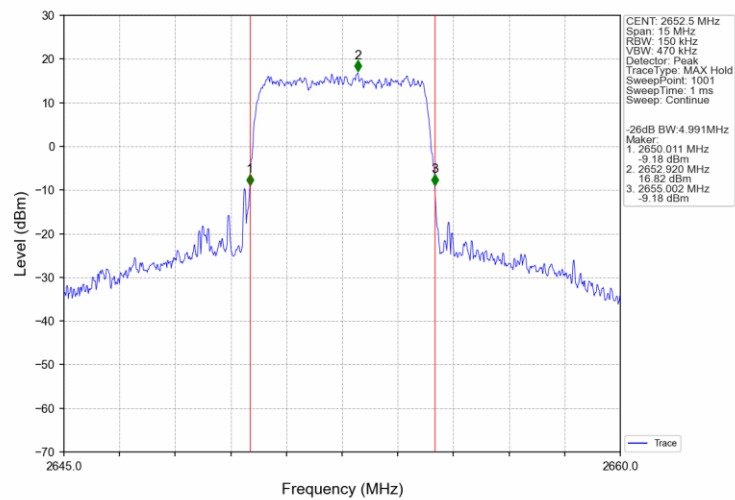
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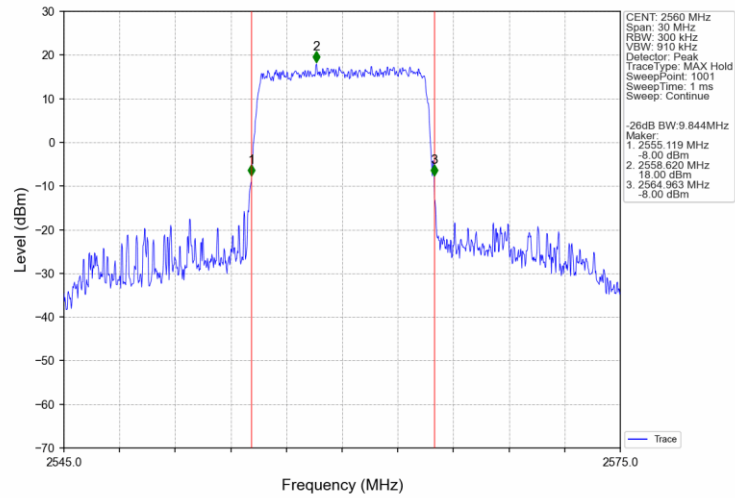
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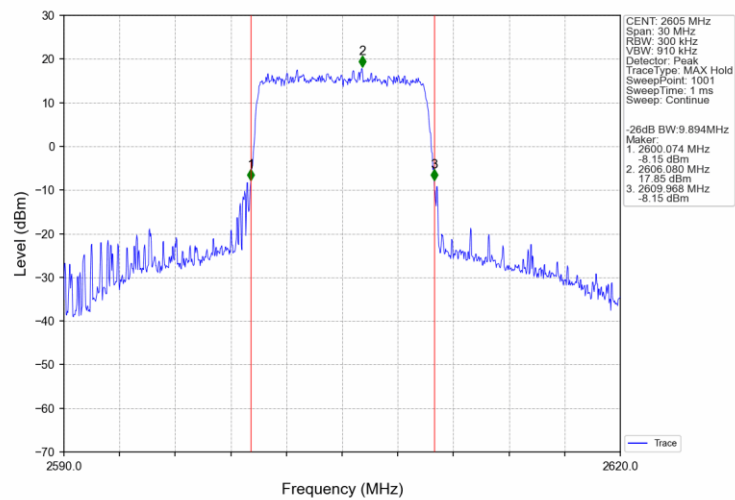
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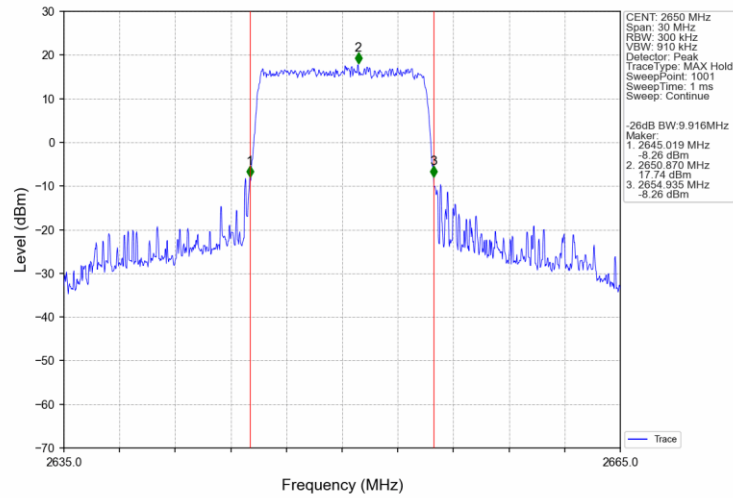
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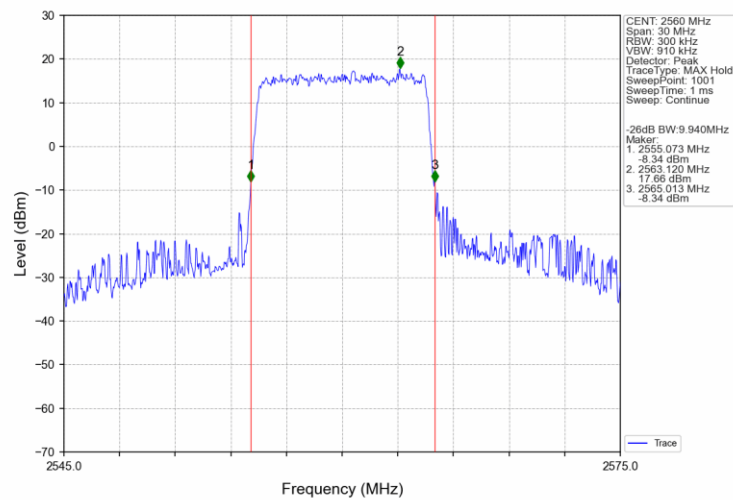
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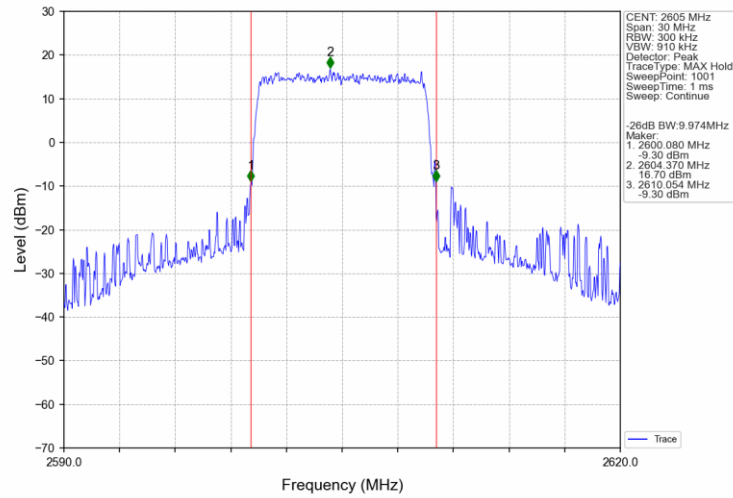
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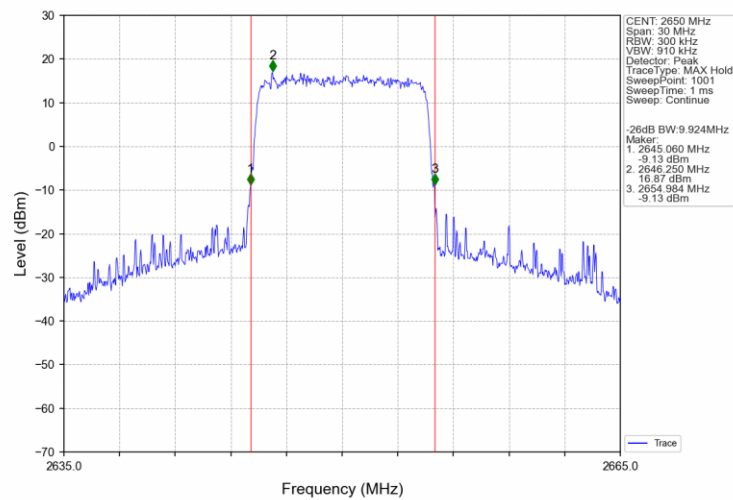
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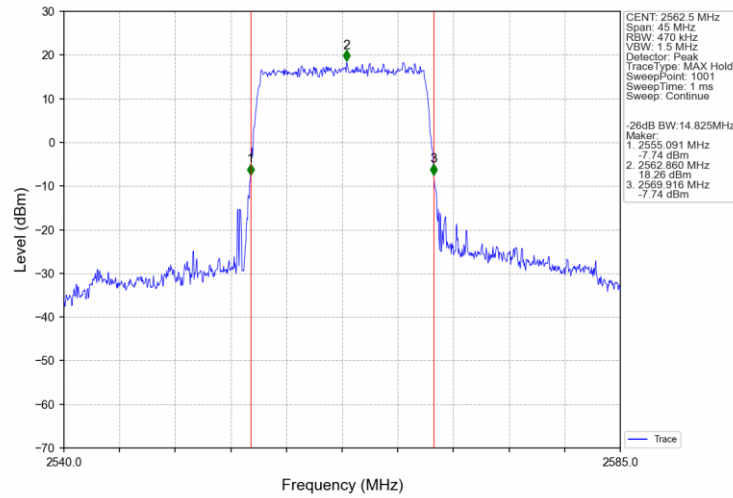
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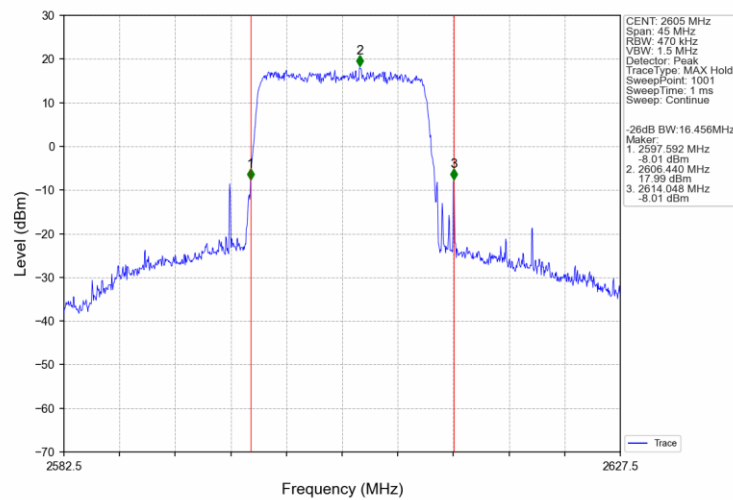
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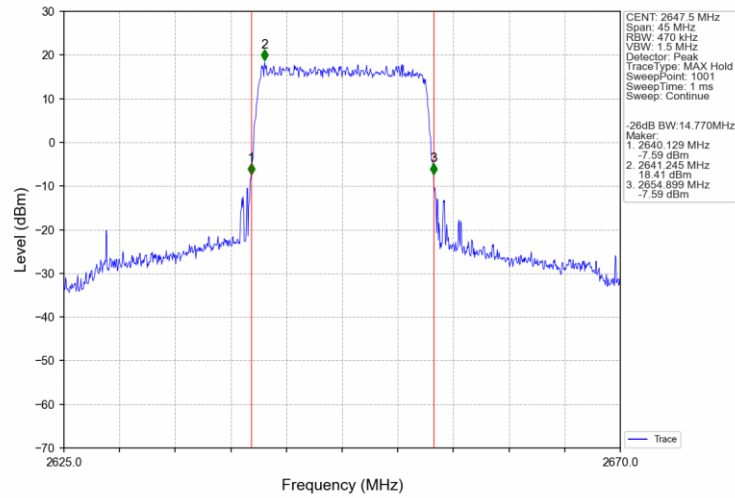
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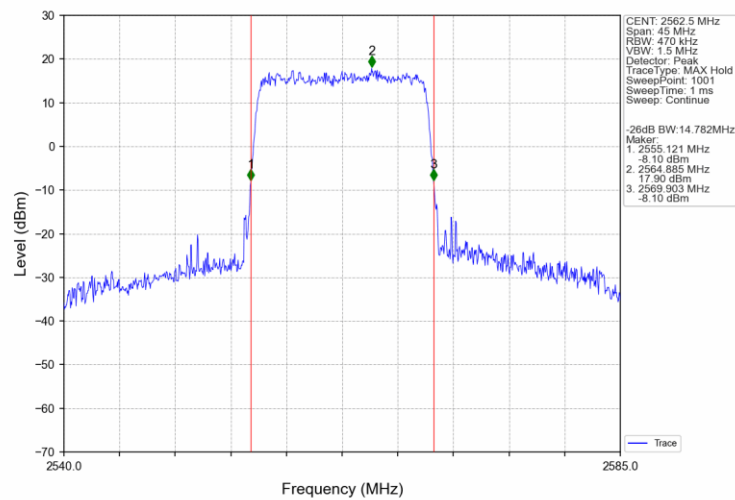
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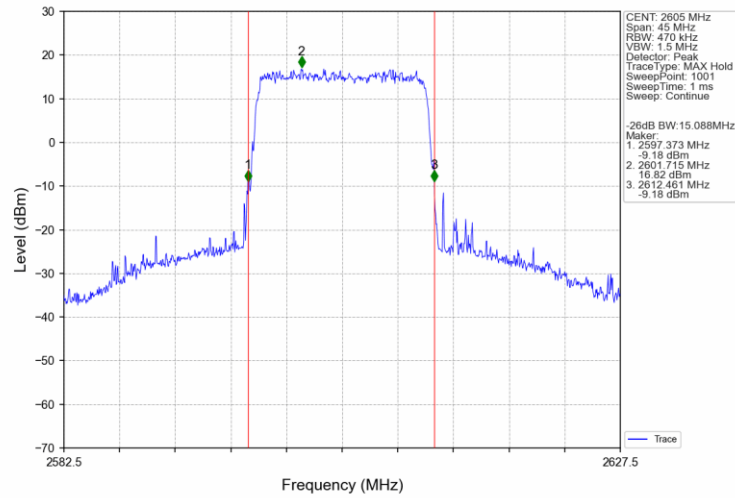
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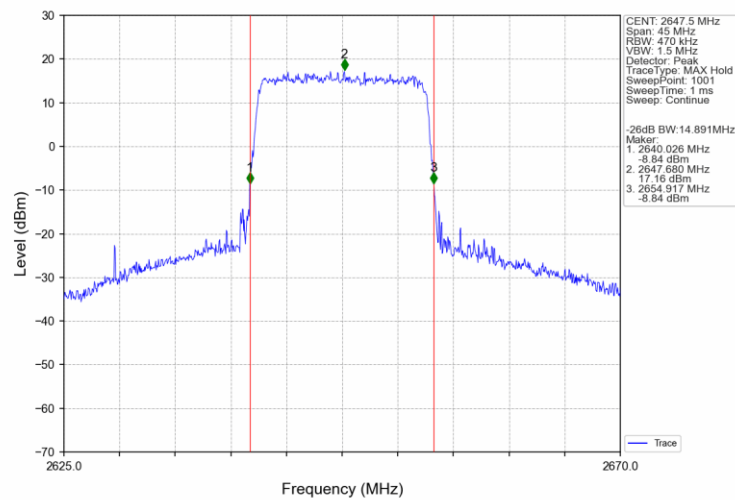
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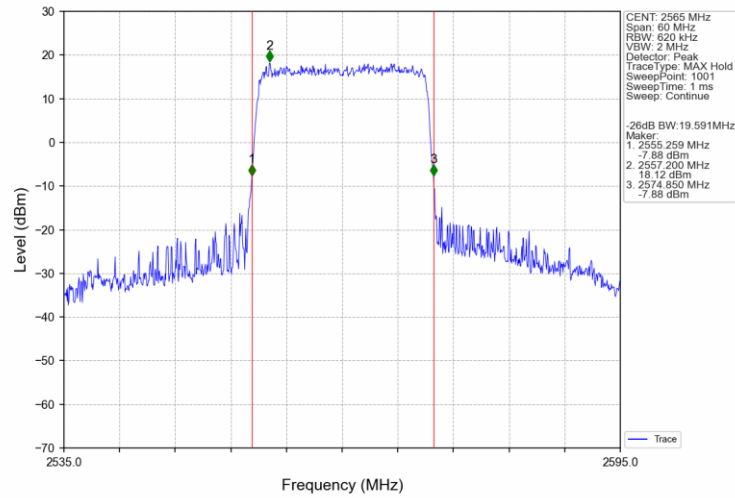
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



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

