

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	22.40	1.78	24.18	<=33.01	Pass
			13	22.20	1.78	23.98	<=33.01	Pass
			24	22.21	1.78	23.99	<=33.01	Pass
		12	0	21.66	1.78	23.44	<=33.01	Pass
			6	21.64	1.78	23.42	<=33.01	Pass
			13	21.64	1.78	23.42	<=33.01	Pass
		25	0	21.64	1.78	23.42	<=33.01	Pass
	2605	1	0	22.35	1.78	24.13	<=33.01	Pass
			13	22.30	1.78	24.08	<=33.01	Pass
			24	22.59	1.78	24.37	<=33.01	Pass
		12	0	21.82	1.78	23.60	<=33.01	Pass
			6	21.77	1.78	23.55	<=33.01	Pass
			13	21.79	1.78	23.57	<=33.01	Pass
		25	0	21.82	1.78	23.60	<=33.01	Pass
	2652.5	1	0	23.07	1.78	24.85	<=33.01	Pass
			13	23.14	1.78	24.92	<=33.01	Pass
			24	23.23	1.78	25.01	<=33.01	Pass
		12	0	22.52	1.78	24.30	<=33.01	Pass
			6	22.53	1.78	24.31	<=33.01	Pass
			13	22.56	1.78	24.34	<=33.01	Pass
		25	0	22.56	1.78	24.34	<=33.01	Pass
16QAM	2557.5	1	0	21.43	1.78	23.21	<=33.01	Pass
			13	21.12	1.78	22.90	<=33.01	Pass
			24	21.26	1.78	23.04	<=33.01	Pass
		12	0	20.57	1.78	22.35	<=33.01	Pass
			6	20.55	1.78	22.33	<=33.01	Pass
			13	20.53	1.78	22.31	<=33.01	Pass
		25	0	20.69	1.78	22.47	<=33.01	Pass
	2605	1	0	21.26	1.78	23.04	<=33.01	Pass
			13	21.46	1.78	23.24	<=33.01	Pass
			24	21.33	1.78	23.11	<=33.01	Pass
		12	0	20.77	1.78	22.55	<=33.01	Pass
			6	20.74	1.78	22.52	<=33.01	Pass
			13	20.81	1.78	22.59	<=33.01	Pass
		25	0	20.78	1.78	22.56	<=33.01	Pass
	2652.5	1	0	22.07	1.78	23.85	<=33.01	Pass
			13	22.05	1.78	23.83	<=33.01	Pass
			24	22.14	1.78	23.92	<=33.01	Pass
		12	0	21.55	1.78	23.33	<=33.01	Pass
			6	21.58	1.78	23.36	<=33.01	Pass
			13	21.60	1.78	23.38	<=33.01	Pass
		25	0	21.62	1.78	23.40	<=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	22.53	1.78	24.31	<=33.01	Pass
			25	22.72	1.78	24.50	<=33.01	Pass
			49	22.67	1.78	24.45	<=33.01	Pass
		25	0	21.63	1.78	23.41	<=33.01	Pass
			13	21.64	1.78	23.42	<=33.01	Pass
			25	21.60	1.78	23.38	<=33.01	Pass
		50	0	21.65	1.78	23.43	<=33.01	Pass
	2605	1	0	22.67	1.78	24.45	<=33.01	Pass
			25	22.82	1.78	24.60	<=33.01	Pass
			49	22.85	1.78	24.63	<=33.01	Pass
		25	0	21.73	1.78	23.51	<=33.01	Pass
			13	21.75	1.78	23.53	<=33.01	Pass
			25	21.83	1.78	23.61	<=33.01	Pass
		50	0	21.80	1.78	23.58	<=33.01	Pass
	2650	1	0	23.49	1.78	25.27	<=33.01	Pass
			25	23.52	1.78	25.30	<=33.01	Pass
			49	23.48	1.78	25.26	<=33.01	Pass
		25	0	22.50	1.78	24.28	<=33.01	Pass
			13	22.54	1.78	24.32	<=33.01	Pass
			25	22.52	1.78	24.30	<=33.01	Pass
		50	0	22.51	1.78	24.29	<=33.01	Pass
16QAM	2560	1	0	21.58	1.78	23.36	<=33.01	Pass
			25	21.32	1.78	23.10	<=33.01	Pass
			49	21.88	1.78	23.66	<=33.01	Pass
		25	0	20.59	1.78	22.37	<=33.01	Pass
			13	20.61	1.78	22.39	<=33.01	Pass
			25	20.65	1.78	22.43	<=33.01	Pass
		50	0	20.62	1.78	22.40	<=33.01	Pass
	2605	1	0	21.54	1.78	23.32	<=33.01	Pass
			25	21.42	1.78	23.20	<=33.01	Pass
			49	21.62	1.78	23.40	<=33.01	Pass
		25	0	20.79	1.78	22.57	<=33.01	Pass
			13	20.82	1.78	22.60	<=33.01	Pass
			25	20.83	1.78	22.61	<=33.01	Pass
		50	0	20.77	1.78	22.55	<=33.01	Pass
	2650	1	0	22.53	1.78	24.31	<=33.01	Pass
			25	22.23	1.78	24.01	<=33.01	Pass
			49	22.55	1.78	24.33	<=33.01	Pass
		25	0	21.46	1.78	23.24	<=33.01	Pass
			13	21.53	1.78	23.31	<=33.01	Pass
			25	21.54	1.78	23.32	<=33.01	Pass
		50	0	21.48	1.78	23.26	<=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	22.57	1.78	24.35	<=33.01	Pass
			38	22.56	1.78	24.34	<=33.01	Pass
			74	22.71	1.78	24.49	<=33.01	Pass
		36	0	21.55	1.78	23.33	<=33.01	Pass
			18	21.62	1.78	23.40	<=33.01	Pass

16QAM	2605	75	39	21.59	1.78	23.37	<=33.01	Pass
			0	21.62	1.78	23.40	<=33.01	Pass
			75	21.62	1.78	23.40	<=33.01	Pass
		1	0	22.62	1.78	24.40	<=33.01	Pass
			38	22.69	1.78	24.47	<=33.01	Pass
			74	22.64	1.78	24.42	<=33.01	Pass
		36	0	21.70	1.78	23.48	<=33.01	Pass
			18	21.74	1.78	23.52	<=33.01	Pass
			39	21.75	1.78	23.53	<=33.01	Pass
	2647.5	75	0	21.78	1.78	23.56	<=33.01	Pass
			0	23.36	1.78	25.14	<=33.01	Pass
			38	23.47	1.78	25.25	<=33.01	Pass
		1	74	23.45	1.78	25.23	<=33.01	Pass
			0	22.36	1.78	24.14	<=33.01	Pass
			18	22.39	1.78	24.17	<=33.01	Pass
		36	39	22.41	1.78	24.19	<=33.01	Pass
			0	22.47	1.78	24.25	<=33.01	Pass
			75	22.47	1.78	24.25	<=33.01	Pass
16QAM	2562.5	1	0	21.87	1.78	23.65	<=33.01	Pass
			38	21.95	1.78	23.73	<=33.01	Pass
			74	21.54	1.78	23.32	<=33.01	Pass
		36	0	20.58	1.78	22.36	<=33.01	Pass
			18	20.68	1.78	22.46	<=33.01	Pass
			39	20.63	1.78	22.41	<=33.01	Pass
		75	0	20.62	1.78	22.40	<=33.01	Pass
			0	21.44	1.78	23.22	<=33.01	Pass
			38	21.63	1.78	23.41	<=33.01	Pass
	2605	1	74	21.64	1.78	23.42	<=33.01	Pass
			0	20.71	1.78	22.49	<=33.01	Pass
			18	20.72	1.78	22.50	<=33.01	Pass
		36	39	20.76	1.78	22.54	<=33.01	Pass
			0	20.71	1.78	22.49	<=33.01	Pass
			75	20.71	1.78	22.49	<=33.01	Pass
	2647.5	1	0	22.33	1.78	24.11	<=33.01	Pass
			38	22.43	1.78	24.21	<=33.01	Pass
			74	22.39	1.78	24.17	<=33.01	Pass
		36	0	21.40	1.78	23.18	<=33.01	Pass
			18	21.42	1.78	23.20	<=33.01	Pass
			39	21.47	1.78	23.25	<=33.01	Pass
		75	0	21.44	1.78	23.22	<=33.01	Pass
			0	21.44	1.78	23.22	<=33.01	Pass
			75	21.44	1.78	23.22	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2565	1	0	22.40	1.78	24.18	<=33.01	Pass
			50	22.61	1.78	24.39	<=33.01	Pass
			99	22.58	1.78	24.36	<=33.01	Pass
		50	0	21.61	1.78	23.39	<=33.01	Pass
			25	21.61	1.78	23.39	<=33.01	Pass
			50	21.68	1.78	23.46	<=33.01	Pass
		100	0	21.65	1.78	23.43	<=33.01	Pass
			0	22.51	1.78	24.29	<=33.01	Pass
			50	22.69	1.78	24.47	<=33.01	Pass
	2605	1	99	22.70	1.78	24.48	<=33.01	Pass
			0	21.72	1.78	23.50	<=33.01	Pass
			25	21.82	1.78	23.60	<=33.01	Pass
		50	50	21.88	1.78	23.66	<=33.01	Pass
			0	21.79	1.78	23.57	<=33.01	Pass
			0	21.79	1.78	23.57	<=33.01	Pass
		100	0	21.79	1.78	23.57	<=33.01	Pass
			0	21.79	1.78	23.57	<=33.01	Pass
			0	21.79	1.78	23.57	<=33.01	Pass

16QAM	2645	1	0	23.17	1.78	24.95	<=33.01	Pass
			50	23.39	1.78	25.17	<=33.01	Pass
			99	23.50	1.78	25.28	<=33.01	Pass
		50	0	22.35	1.78	24.13	<=33.01	Pass
			25	22.47	1.78	24.25	<=33.01	Pass
			50	22.46	1.78	24.24	<=33.01	Pass
		100	0	22.41	1.78	24.19	<=33.01	Pass
	2565	1	0	21.65	1.78	23.43	<=33.01	Pass
			50	21.30	1.78	23.08	<=33.01	Pass
			99	21.29	1.78	23.07	<=33.01	Pass
		50	0	20.59	1.78	22.37	<=33.01	Pass
			25	20.60	1.78	22.38	<=33.01	Pass
			50	20.65	1.78	22.43	<=33.01	Pass
		100	0	20.62	1.78	22.40	<=33.01	Pass
	2605	1	0	21.30	1.78	23.08	<=33.01	Pass
			50	21.51	1.78	23.29	<=33.01	Pass
			99	21.47	1.78	23.25	<=33.01	Pass
		50	0	20.75	1.78	22.53	<=33.01	Pass
			25	20.76	1.78	22.54	<=33.01	Pass
			50	20.89	1.78	22.67	<=33.01	Pass
		100	0	20.73	1.78	22.51	<=33.01	Pass
	2645	1	0	22.02	1.78	23.80	<=33.01	Pass
			50	22.31	1.78	24.09	<=33.01	Pass
			99	22.31	1.78	24.09	<=33.01	Pass
		50	0	21.37	1.78	23.15	<=33.01	Pass
			25	21.43	1.78	23.21	<=33.01	Pass
			50	21.43	1.78	23.21	<=33.01	Pass
		100	0	21.44	1.78	23.22	<=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	-9.799	-0.0038	-2.5 to 2.5	Pass
					3.85	-13.018	-0.0051	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-9.885	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0035	-2.5 to 2.5	Pass
				40	3.85	2.346	0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-0.772	-0.0003	-2.5 to 2.5	Pass
					3.85	1.488	0.0006	-2.5 to 2.5	Pass
					4.43	18.883	0.0072	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	6.967	0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0004	-2.5 to 2.5	Pass

				0	3.85	-10.772	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.992	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
				50	3.85	4.163	0.0016	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0031	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-9.713	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	5.078	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				0	3.85	10.443	0.0039	-2.5 to 2.5	Pass
				10	3.85	1.831	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0007	-2.5 to 2.5	Pass
				40	3.85	12.546	0.0047	-2.5 to 2.5	Pass
				50	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	10.099	0.0039	-2.5 to 2.5	Pass
					3.85	6.852	0.0027	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	6.294	0.0025	-2.5 to 2.5	Pass
				-20	3.85	9.785	0.0038	-2.5 to 2.5	Pass
				-10	3.85	12.202	0.0048	-2.5 to 2.5	Pass
				0	3.85	6.166	0.0024	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				30	3.85	5.851	0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-11.373	-0.0044	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	1.502	0.0006	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0008	-2.5 to 2.5	Pass
					4.43	5.593	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.644	0.0002	-2.5 to 2.5	Pass
				-20	3.85	12.932	0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0004	-2.5 to 2.5	Pass
				30	3.85	15.264	0.0059	-2.5 to 2.5	Pass
				40	3.85	2.375	0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0018	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-1.903	-0.0007	-2.5 to 2.5	Pass
					3.85	5.922	0.0022	-2.5 to 2.5	Pass
					4.43	9.184	0.0035	-2.5 to 2.5	Pass
				-30	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				0	3.85	10.285	0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.108	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-8.826	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-14.963	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-4.606	-0.0017	-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	-6.180	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0015	-2.5 to 2.5	Pass

				-30	3.85	5.994	0.0023	-2.5 to 2.5	Pass
				-20	3.85	4.449	0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.822	0.0023	-2.5 to 2.5	Pass
				0	3.85	3.691	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.475	0.0010	-2.5 to 2.5	Pass
				30	3.85	8.554	0.0033	-2.5 to 2.5	Pass
				40	3.85	7.854	0.0031	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0001	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	1.059	0.0004	-2.5 to 2.5	Pass
					3.85	5.279	0.0020	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	3.934	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.021	-0.0019	-2.5 to 2.5	Pass
				0	3.85	7.925	0.0030	-2.5 to 2.5	Pass
				10	3.85	6.423	0.0025	-2.5 to 2.5	Pass
				30	3.85	8.297	0.0032	-2.5 to 2.5	Pass
				40	3.85	5.808	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				20	3.27	-7.410	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	8.168	0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.150	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
	2560	50	0	20	3.27	-4.234	-0.0017	-2.5 to 2.5	Pass
					3.85	3.834	0.0015	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.076	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	5.465	0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				30	3.85	8.326	0.0033	-2.5 to 2.5	Pass
				40	3.85	1.459	0.0006	-2.5 to 2.5	Pass
				50	3.85	5.722	0.0022	-2.5 to 2.5	Pass
				20	3.27	10.829	0.0042	-2.5 to 2.5	Pass
					3.85	3.347	0.0013	-2.5 to 2.5	Pass
					4.43	8.082	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-11.988	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	3.648	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.608	0.0022	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0009	-2.5 to 2.5	Pass
				30	3.85	7.024	0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				50	3.85	7.424	0.0028	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-0.916	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	7.925	0.0030	-2.5 to 2.5	Pass

				10	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.106	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-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	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
					4.43	1.888	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.901	0.0004	-2.5 to 2.5	Pass
				0	3.85	4.821	0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				40	3.85	6.409	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0010	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	0.157	0.0001	-2.5 to 2.5	Pass
					3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
					4.43	2.589	0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.233	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	6.981	0.0027	-2.5 to 2.5	Pass
				0	3.85	10.285	0.0039	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				30	3.85	6.008	0.0023	-2.5 to 2.5	Pass
				40	3.85	7.653	0.0029	-2.5 to 2.5	Pass
				50	3.85	6.580	0.0025	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-1.717	-0.0006	-2.5 to 2.5	Pass
					3.85	4.663	0.0018	-2.5 to 2.5	Pass
					4.43	6.208	0.0023	-2.5 to 2.5	Pass
				-30	3.85	3.877	0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.990	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.792	-0.0018	-2.5 to 2.5	Pass
				0	3.85	3.376	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.246	0.0008	-2.5 to 2.5	Pass
				30	3.85	3.161	0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.203	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0018	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	2.332	0.0009	-2.5 to 2.5	Pass
					3.85	6.337	0.0025	-2.5 to 2.5	Pass
					4.43	9.084	0.0035	-2.5 to 2.5	Pass
				-30	3.85	6.351	0.0025	-2.5 to 2.5	Pass
				-20	3.85	6.866	0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.035	0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				40	3.85	6.180	0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	2.117	0.0008	-2.5 to 2.5	Pass
					3.85	3.977	0.0015	-2.5 to 2.5	Pass
					4.43	0.815	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.544	0.0002	-2.5 to 2.5	Pass

				-20	3.85	4.778	0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.761	0.0011	-2.5 to 2.5	Pass
				30	3.85	4.478	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0010	-2.5 to 2.5	Pass
				50	3.85	6.866	0.0026	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	0.372	0.0001	-2.5 to 2.5	Pass
					3.85	3.433	0.0013	-2.5 to 2.5	Pass
					4.43	6.967	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				-10	3.85	3.018	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				30	3.85	4.463	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.602	0.0006	-2.5 to 2.5	Pass
				50	3.85	2.017	0.0008	-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	-1.831	-0.0007	-2.5 to 2.5	Pass
					3.85	2.904	0.0011	-2.5 to 2.5	Pass
					4.43	3.777	0.0015	-2.5 to 2.5	Pass
				-30	3.85	5.536	0.0022	-2.5 to 2.5	Pass
				-20	3.85	6.552	0.0026	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				0	3.85	4.563	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0004	-2.5 to 2.5	Pass
				30	3.85	4.592	0.0018	-2.5 to 2.5	Pass
				40	3.85	6.495	0.0025	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	4.578	0.0018	-2.5 to 2.5	Pass
					3.85	2.074	0.0008	-2.5 to 2.5	Pass
					4.43	4.363	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.202	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				40	3.85	5.121	0.0020	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-3.190	-0.0012	-2.5 to 2.5	Pass
					3.85	2.475	0.0009	-2.5 to 2.5	Pass
					4.43	-3.204	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				0	3.85	8.326	0.0031	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	2.747	0.0011	-2.5 to 2.5	Pass

					3.85	1.330	0.0005	-2.5 to 2.5	Pass
					4.43	0.858	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				-10	3.85	7.238	0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				30	3.85	5.136	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.172	0.0001	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	7.825	0.0030	-2.5 to 2.5	Pass
					3.85	3.920	0.0015	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
				0	3.85	9.499	0.0036	-2.5 to 2.5	Pass
				10	3.85	7.010	0.0027	-2.5 to 2.5	Pass
				30	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0004	-2.5 to 2.5	Pass
				50	3.85	2.789	0.0011	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	2.661	0.0010	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.747	0.0010	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0005	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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 / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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

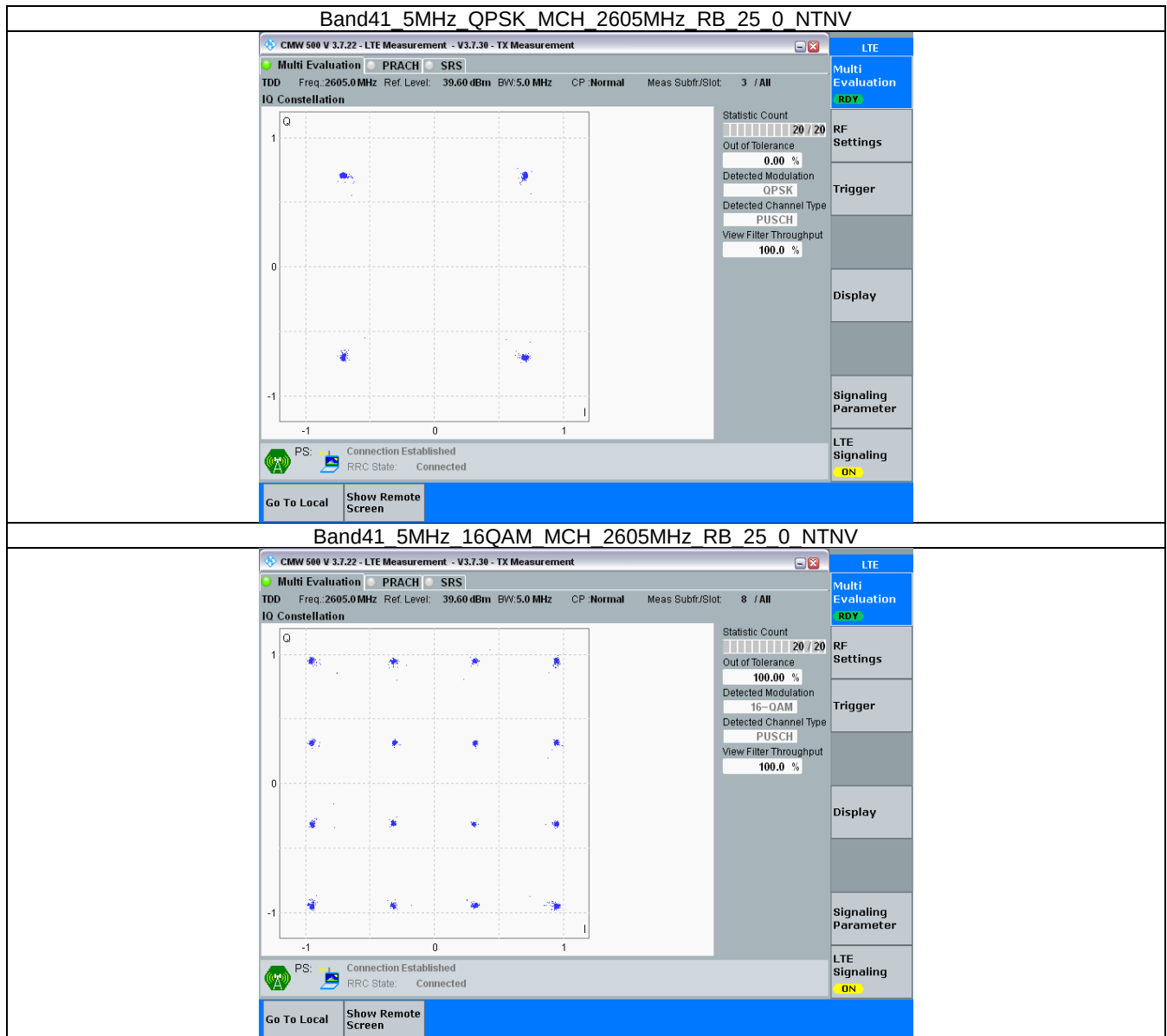
Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

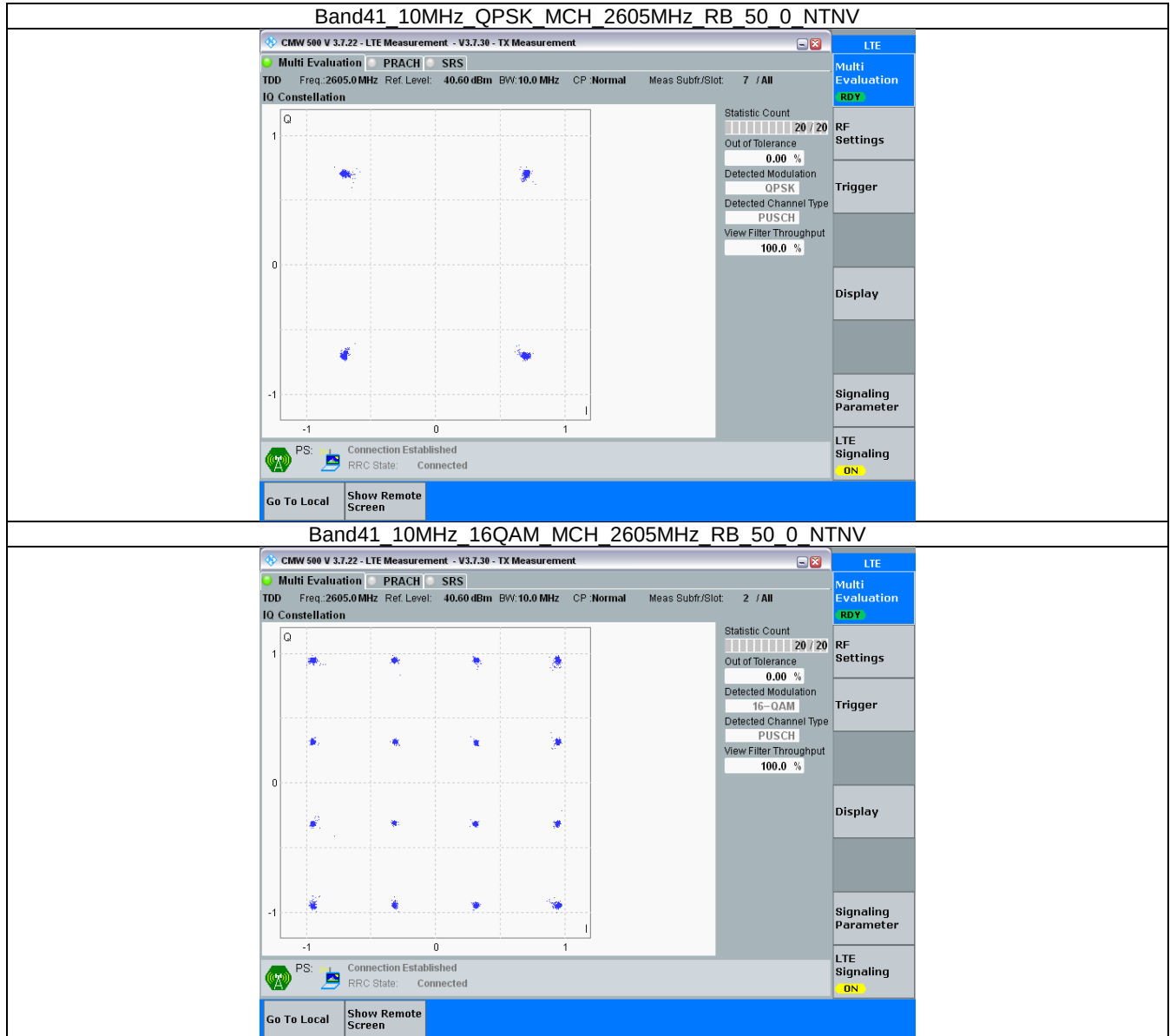
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

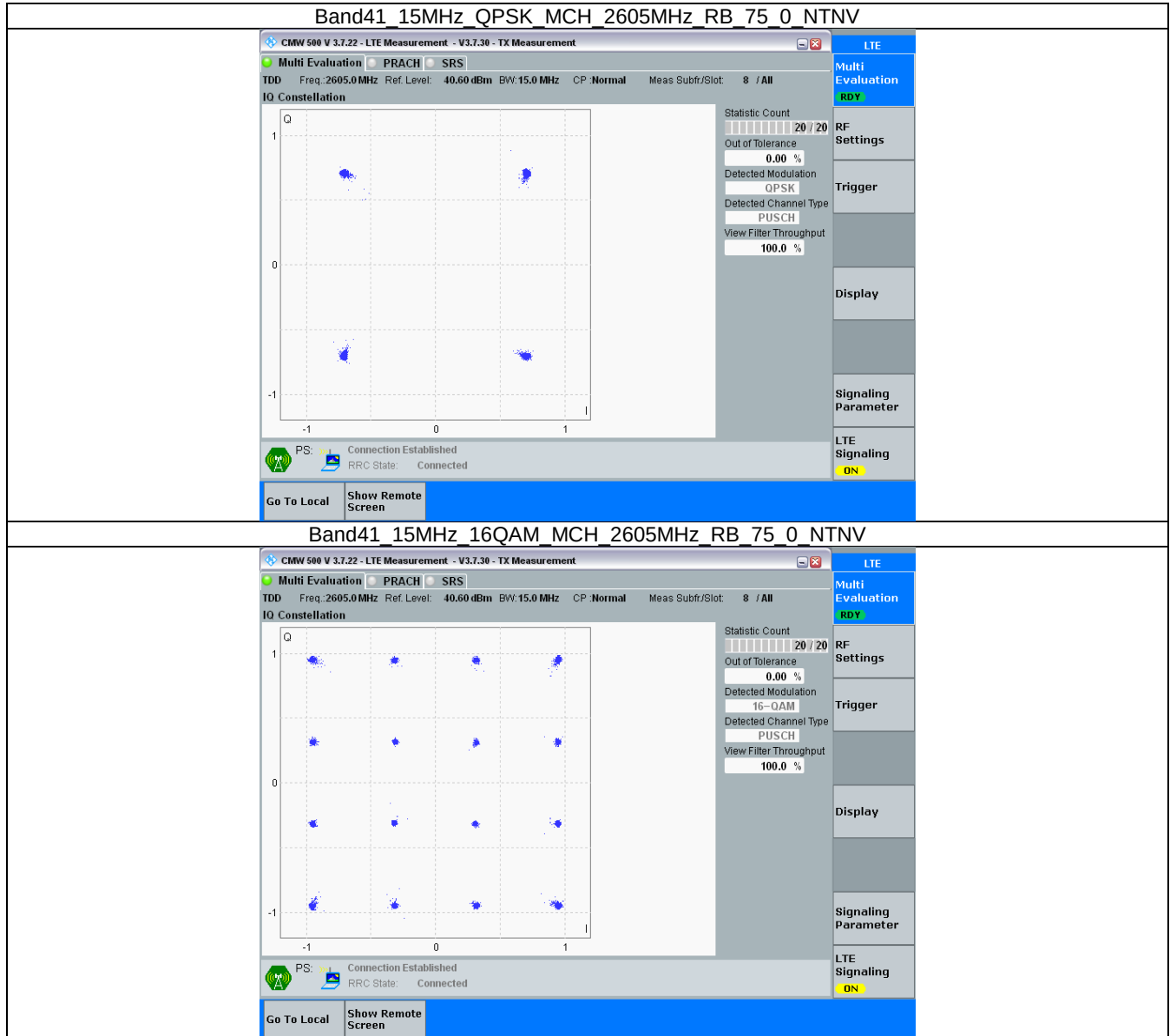
3.2.1 B41_5MHz



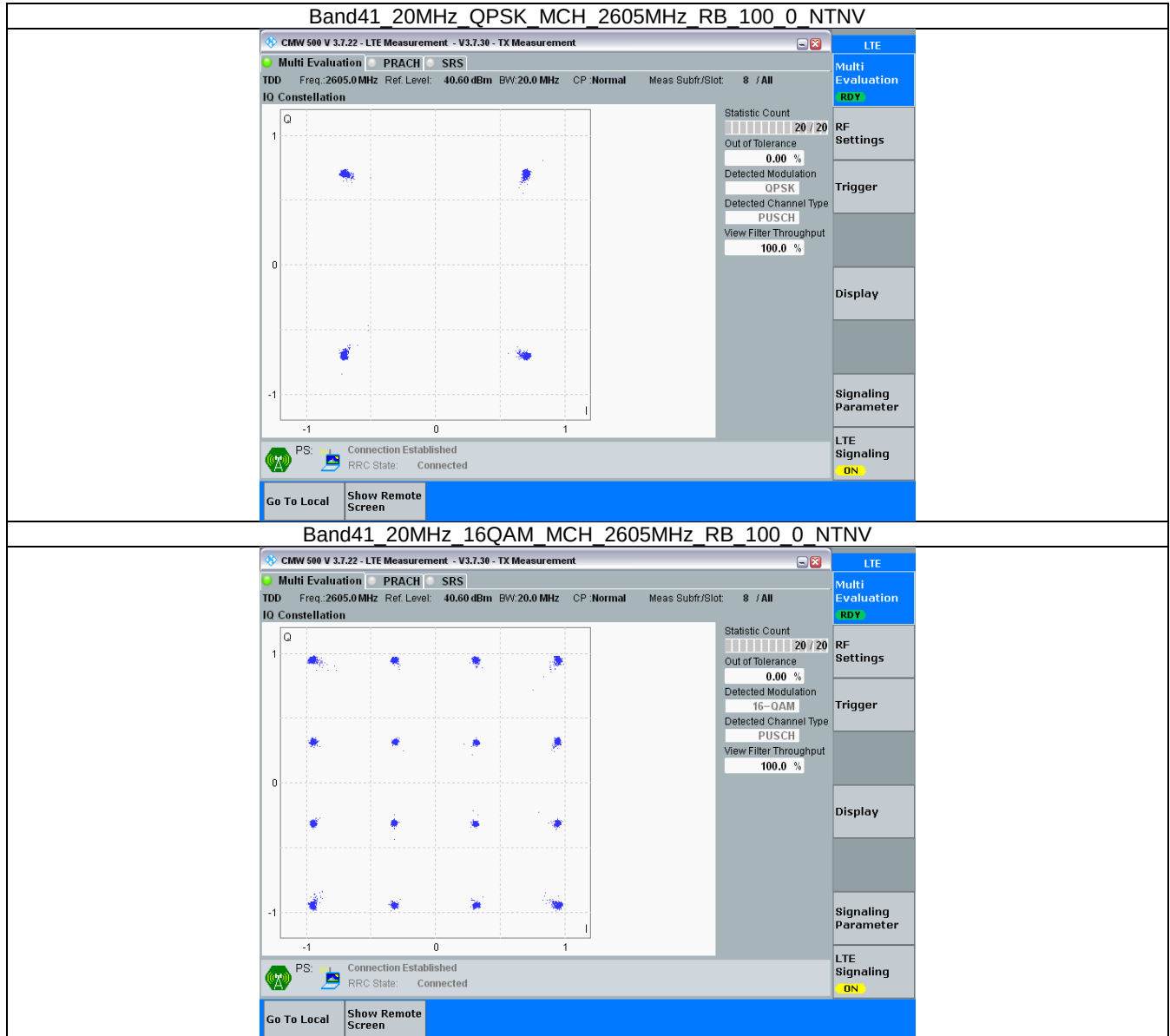
3.2.2 B41_10MHz



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	4.557	/	Pass
		2605	25	0	4.556	/	Pass
		2652.5	25	0	4.559	/	Pass
	16QAM	2557.5	25	0	4.555	/	Pass
		2605	25	0	4.542	/	Pass
		2652.5	25	0	4.545	/	Pass
10	QPSK	2560	50	0	9.081	/	Pass
		2605	50	0	9.073	/	Pass
		2650	50	0	9.056	/	Pass
	16QAM	2560	50	0	9.098	/	Pass
		2605	50	0	9.083	/	Pass
		2650	50	0	9.059	/	Pass
15	QPSK	2562.5	75	0	13.552	/	Pass
		2605	75	0	13.609	/	Pass
		2647.5	75	0	13.615	/	Pass
	16QAM	2562.5	75	0	13.627	/	Pass
		2605	75	0	13.587	/	Pass
		2647.5	75	0	13.666	/	Pass
20	QPSK	2565	100	0	18.156	/	Pass
		2605	100	0	18.095	/	Pass
		2645	100	0	18.123	/	Pass
	16QAM	2565	100	0	18.104	/	Pass
		2605	100	0	18.121	/	Pass
		2645	100	0	18.106	/	Pass

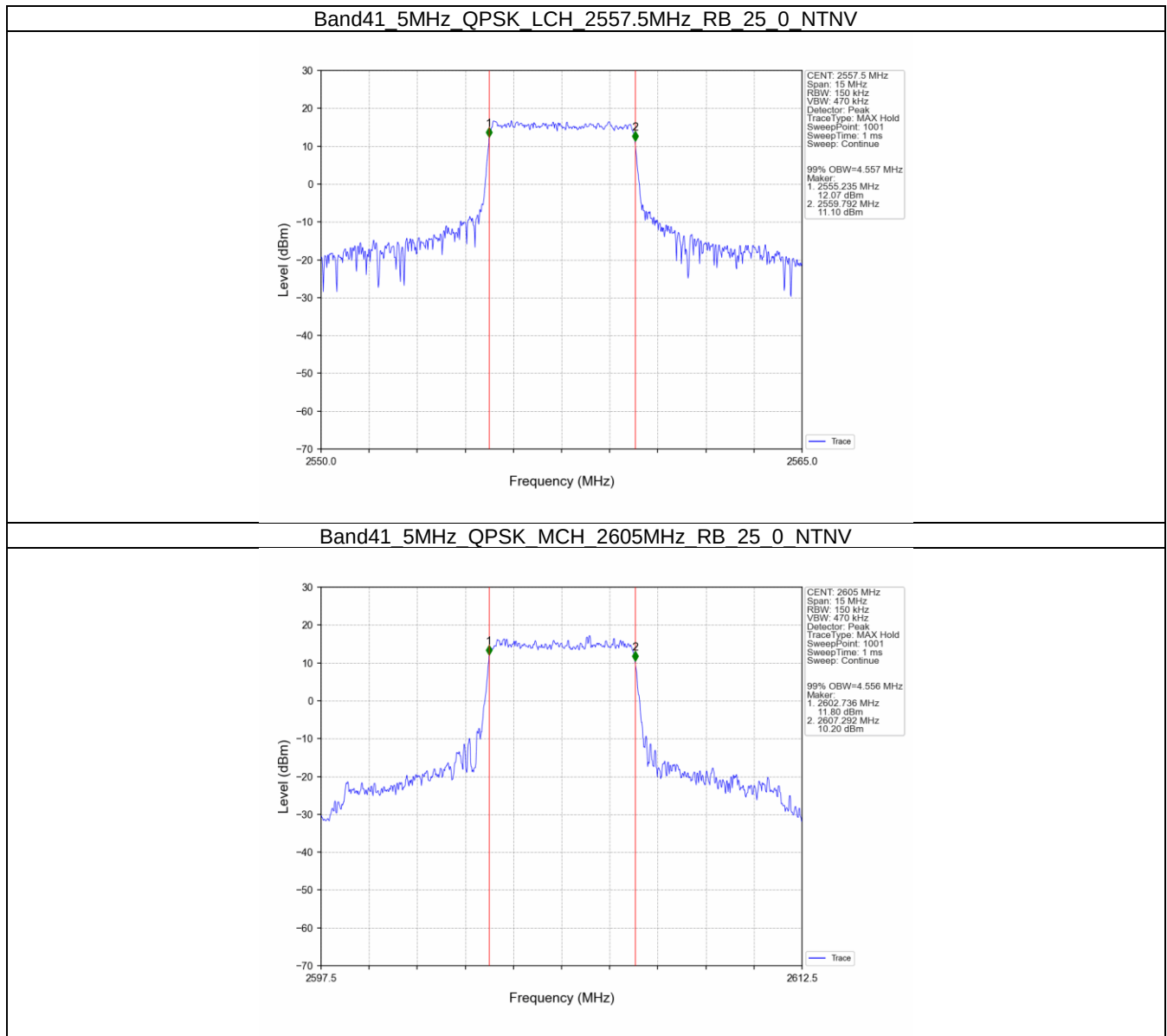
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.769	/	Pass
		2605	25	0	5.173	/	Pass
		2652.5	25	0	5.558	/	Pass
	16QAM	2557.5	25	0	5.049	/	Pass
		2605	25	0	5.085	/	Pass
		2652.5	25	0	5.028	/	Pass
10	QPSK	2560	50	0	10.428	/	Pass
		2605	50	0	11.504	/	Pass
		2650	50	0	10.384	/	Pass
	16QAM	2560	50	0	11.606	/	Pass
		2605	50	0	11.406	/	Pass
		2650	50	0	9.964	/	Pass
15	QPSK	2562.5	75	0	16.077	/	Pass
		2605	75	0	15.125	/	Pass
		2647.5	75	0	16.701	/	Pass

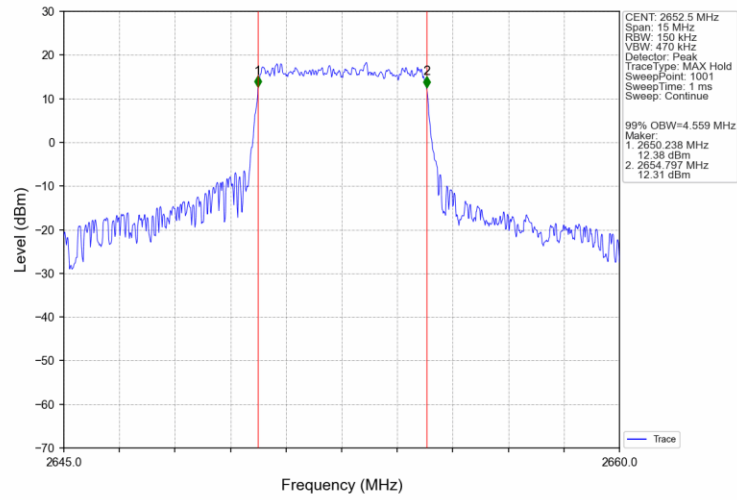
20	16QAM	2562.5	75	0	16.316	/	Pass
		2605	75	0	15.304	/	Pass
		2647.5	75	0	18.529	/	Pass
	QPSK	2565	100	0	21.373	/	Pass
		2605	100	0	21.604	/	Pass
		2645	100	0	19.958	/	Pass
	16QAM	2565	100	0	22.052	/	Pass
		2605	100	0	24.379	/	Pass
		2645	100	0	21.581	/	Pass

4.2 Test Graph

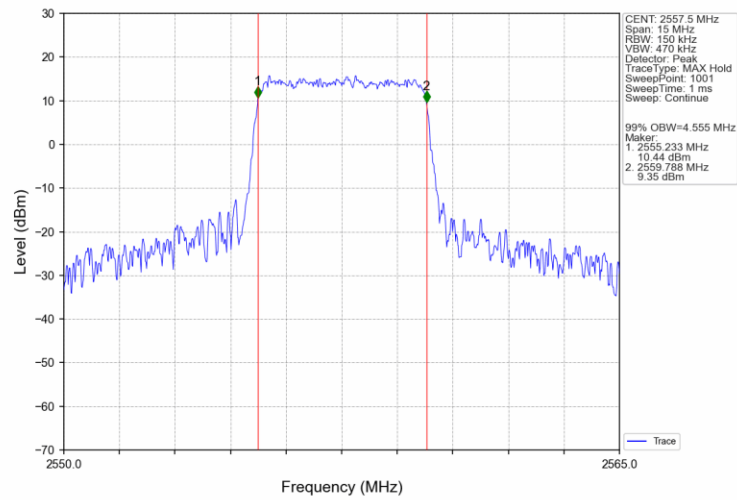
4.2.1 Band41_OBW



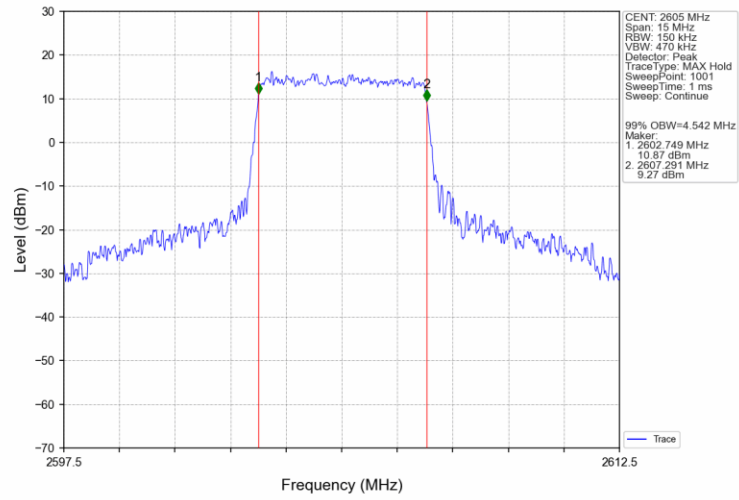
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



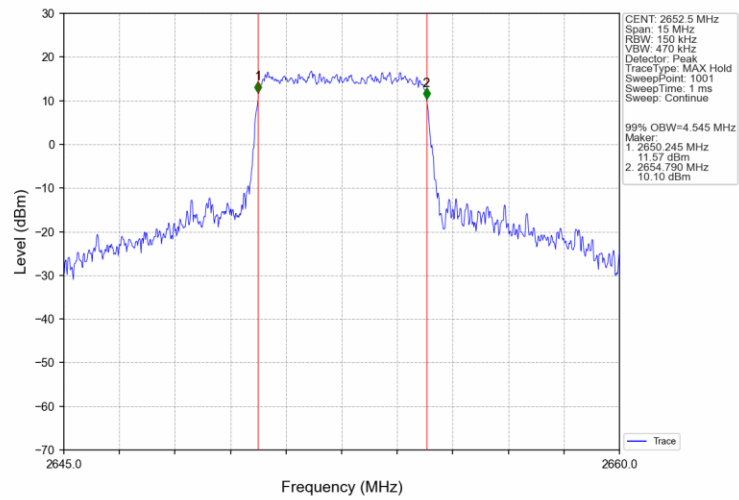
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



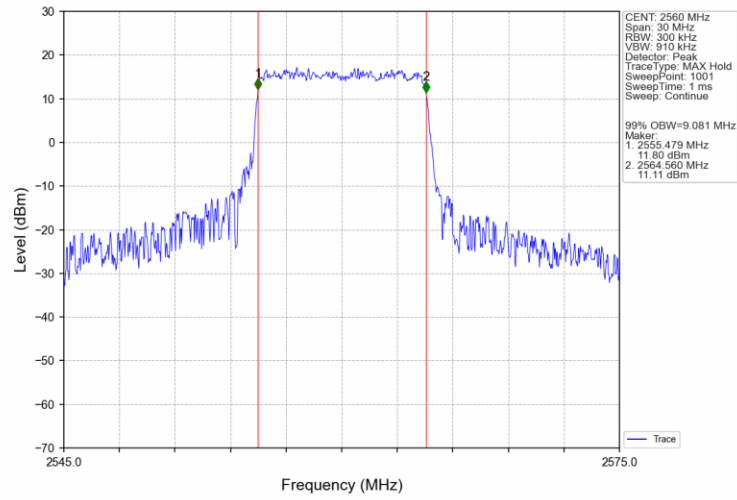
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



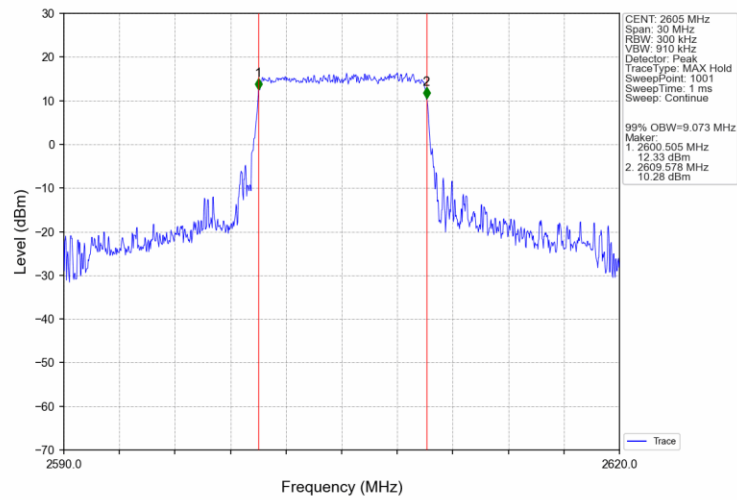
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



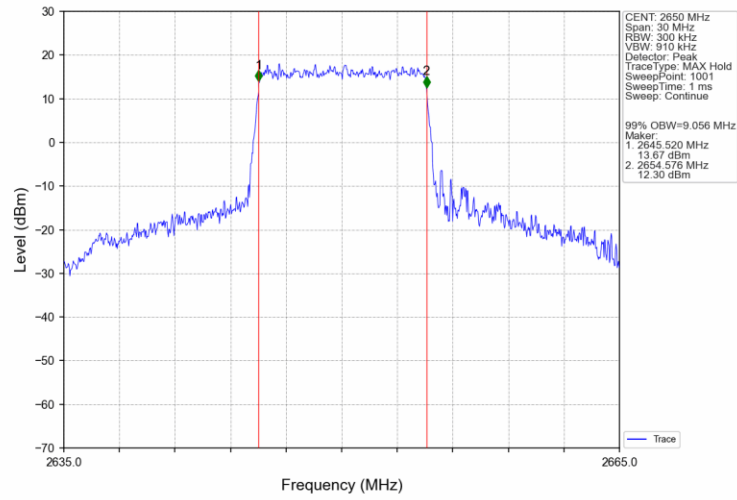
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



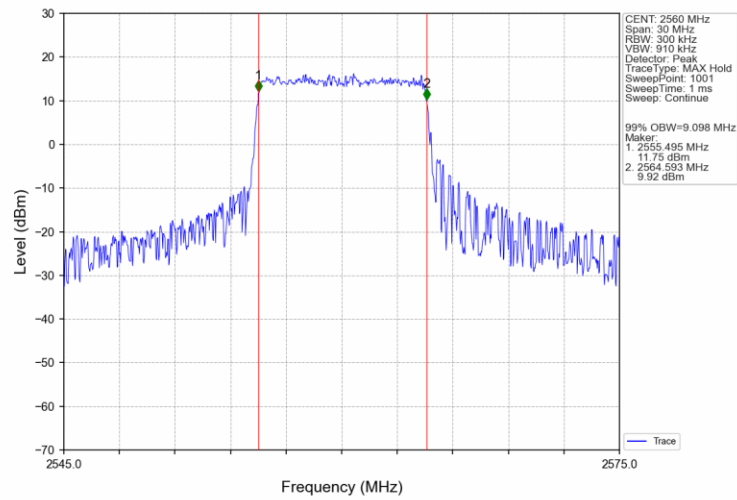
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



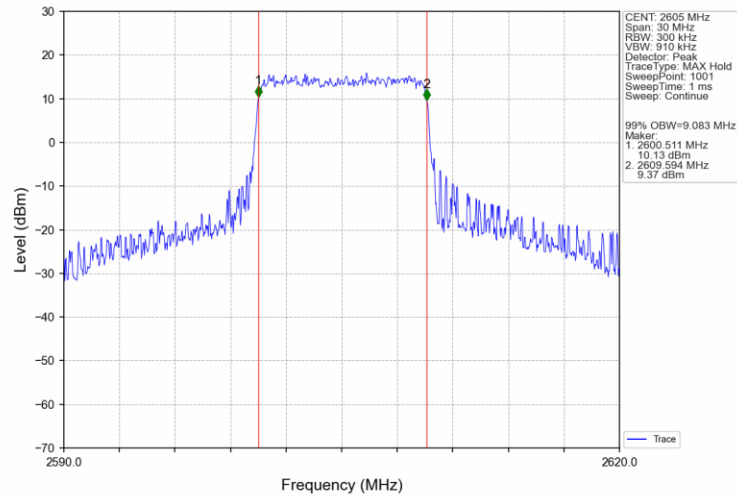
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



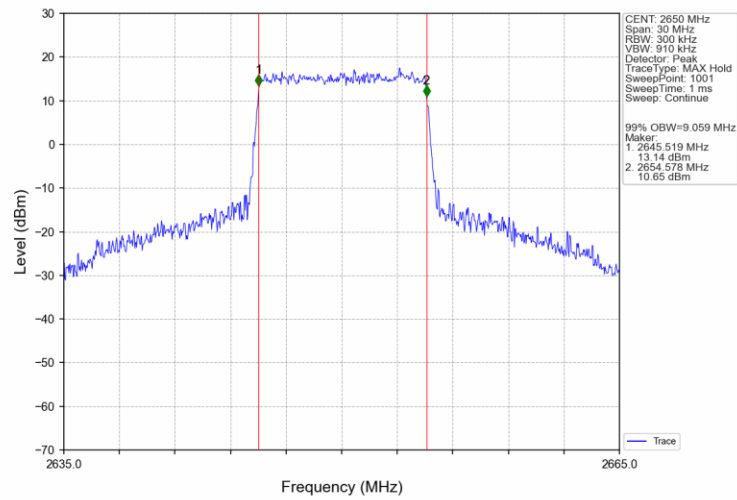
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



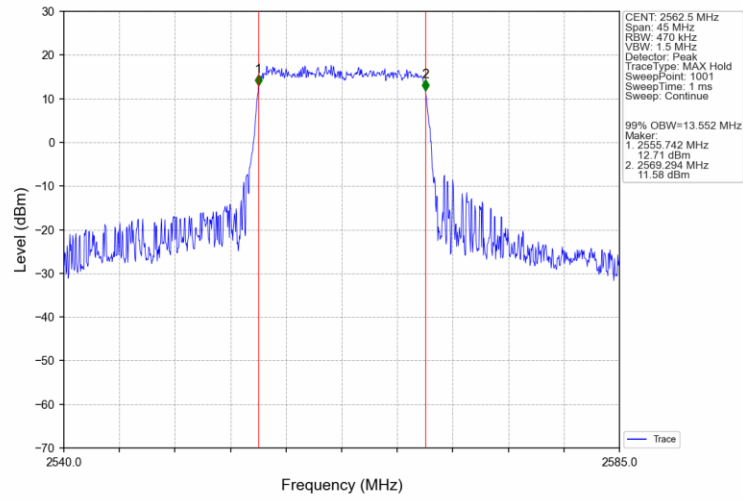
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



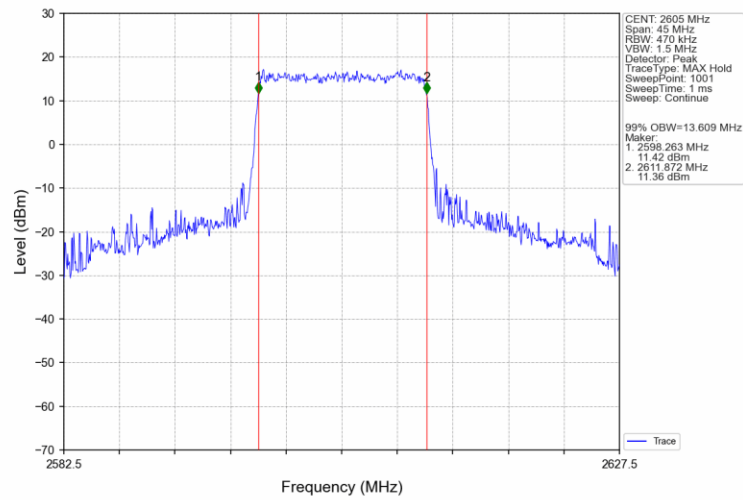
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



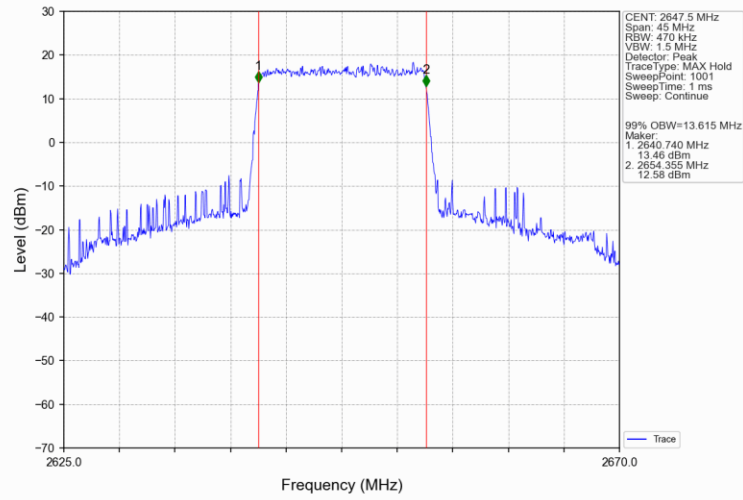
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



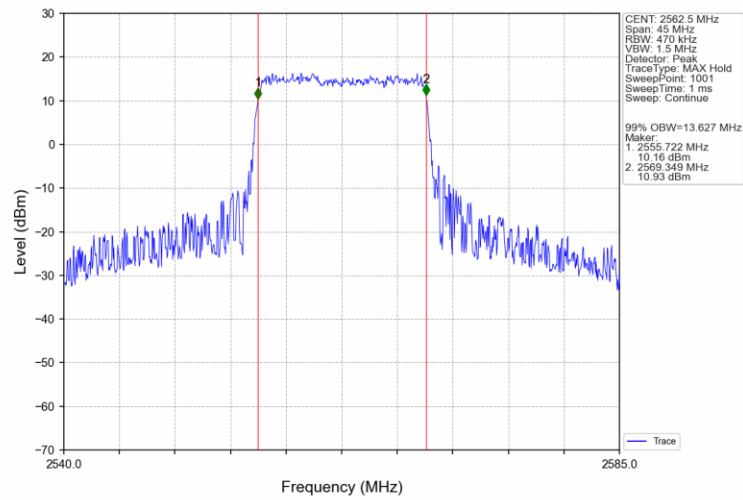
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



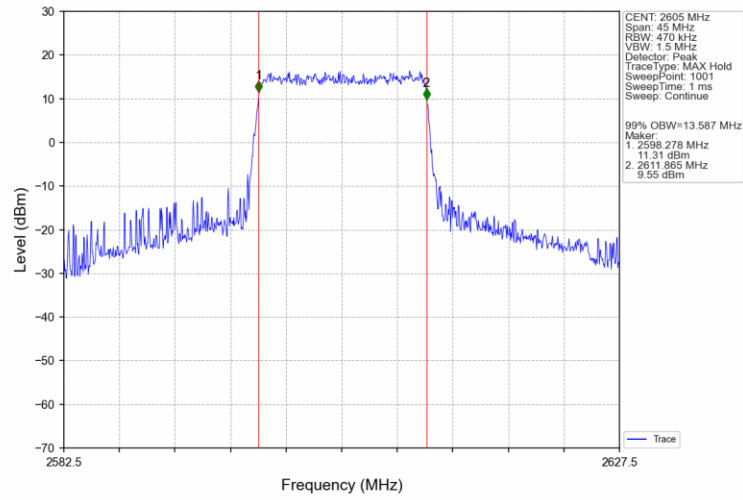
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0 NTNv



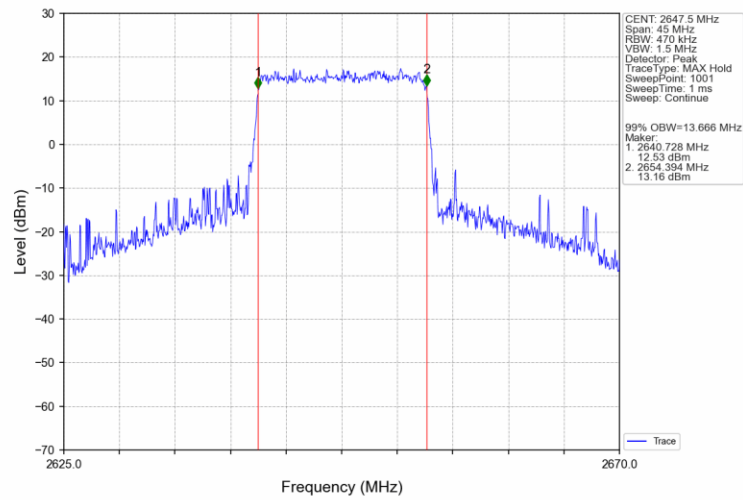
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0 NTNv



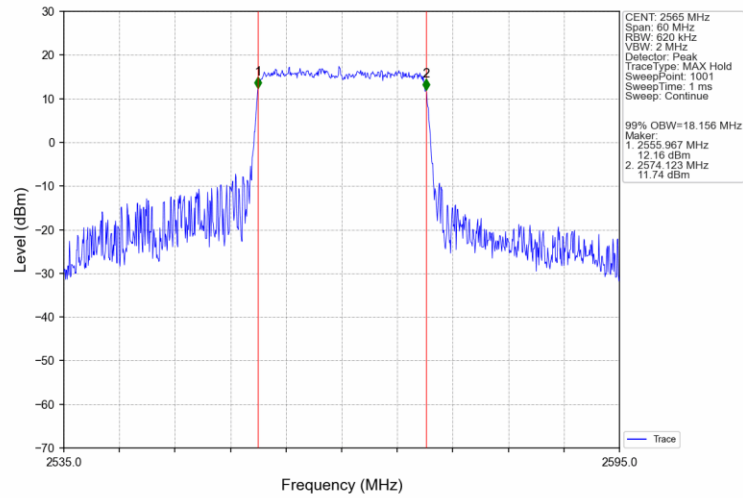
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



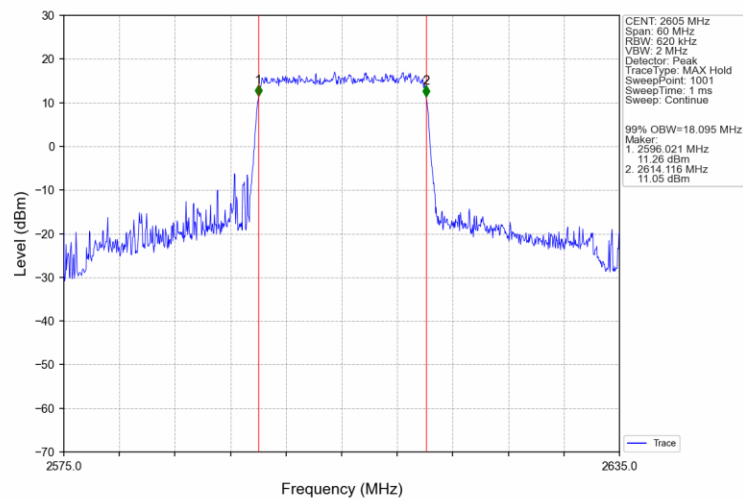
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



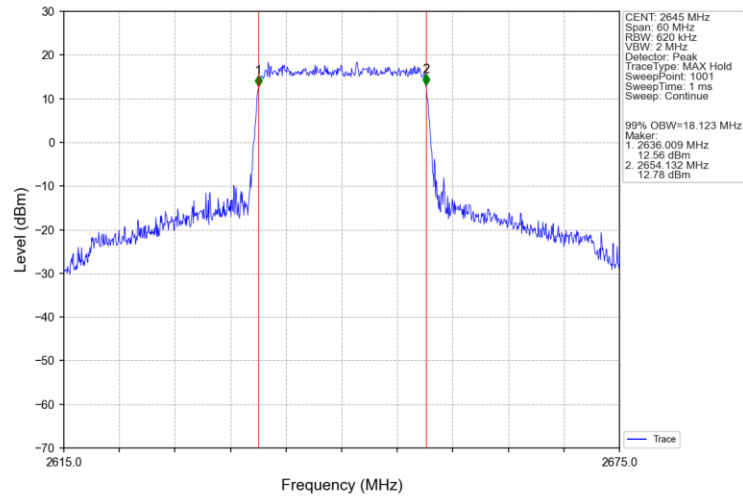
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



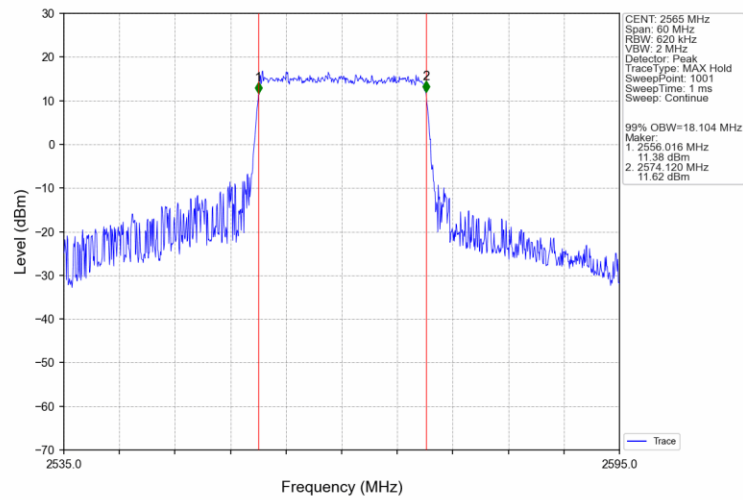
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



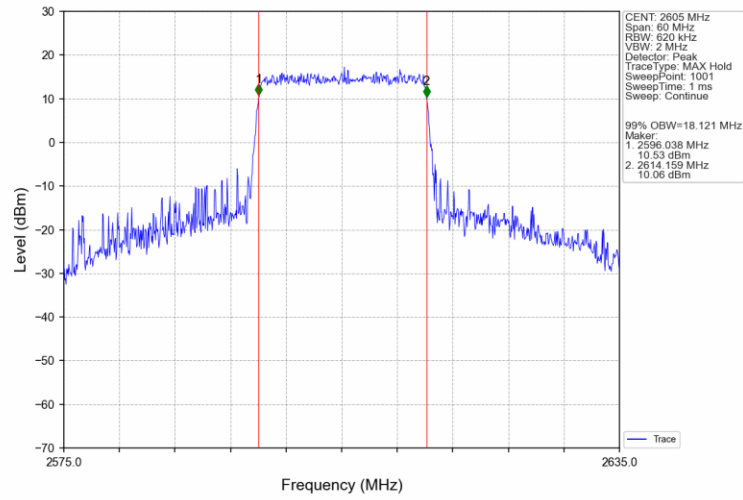
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



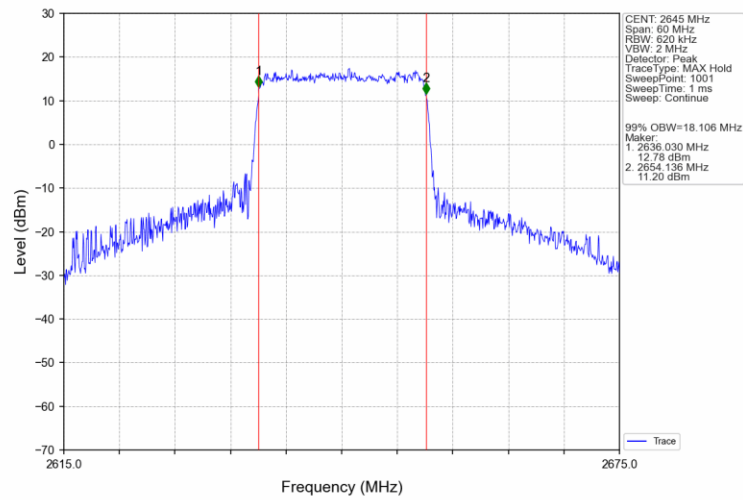
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

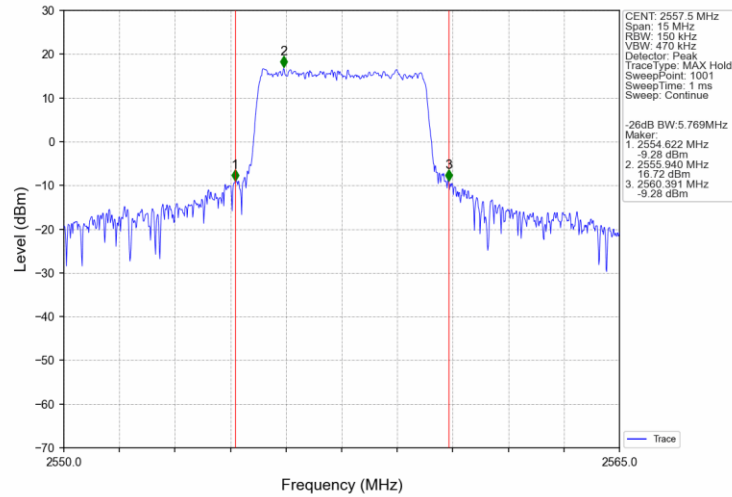


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

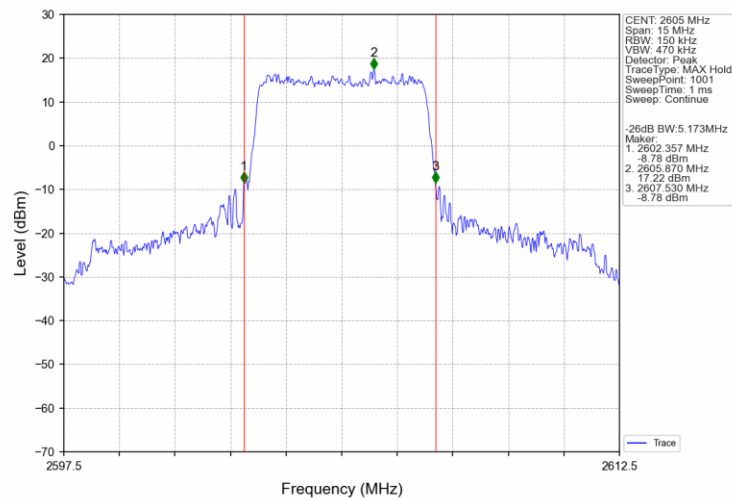


4.2.2 Band41_XDB

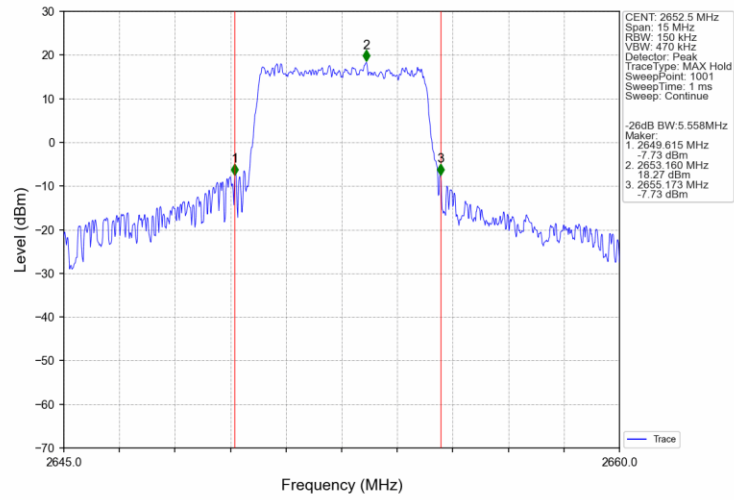
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



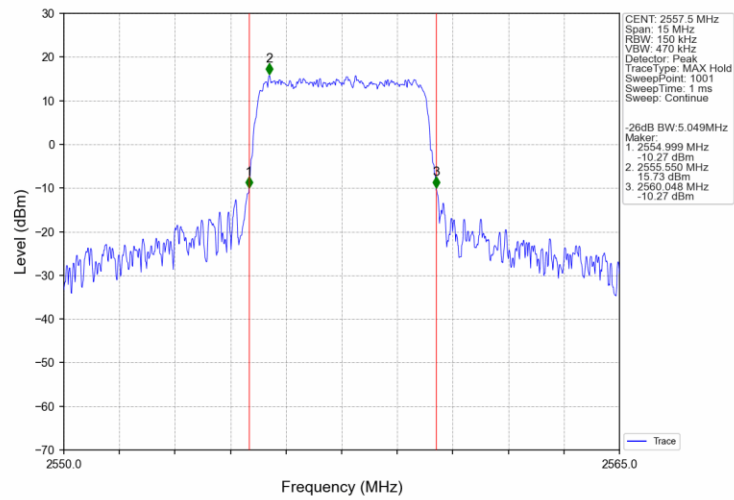
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



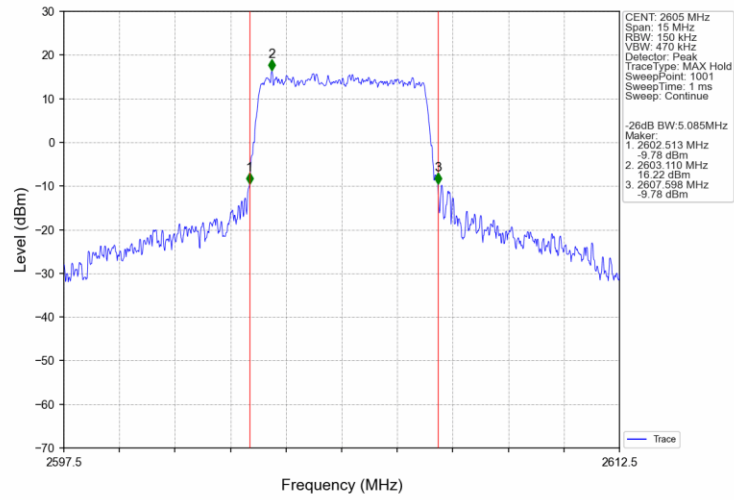
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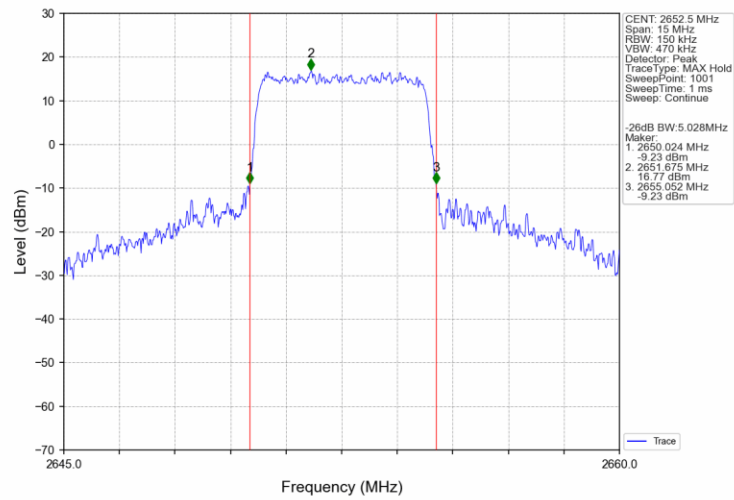
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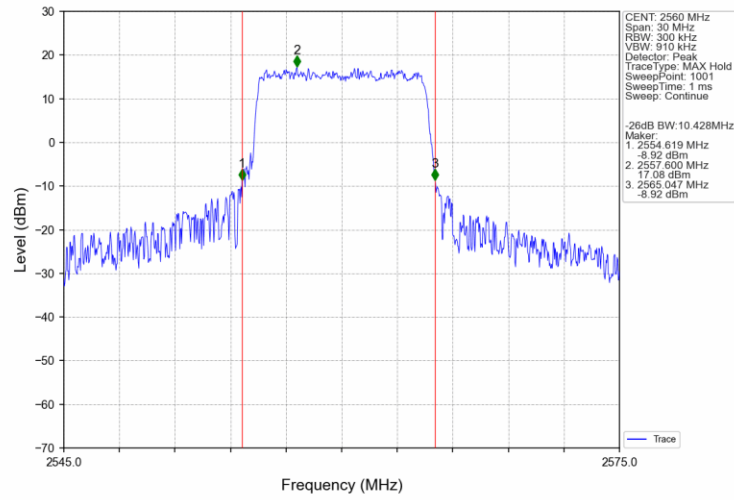
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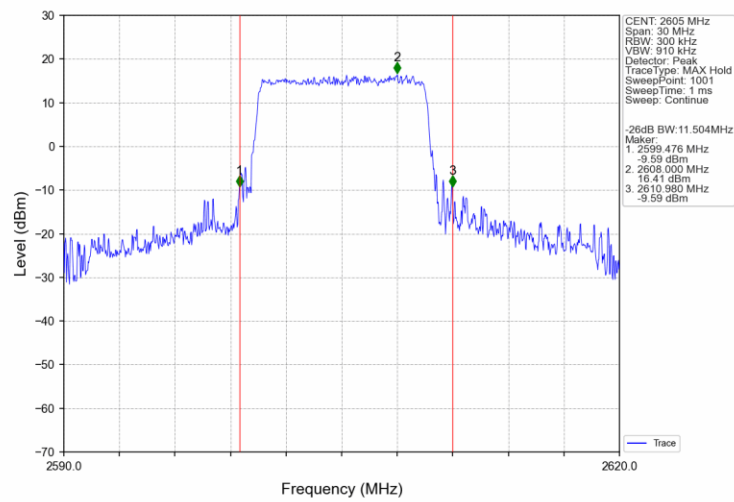
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



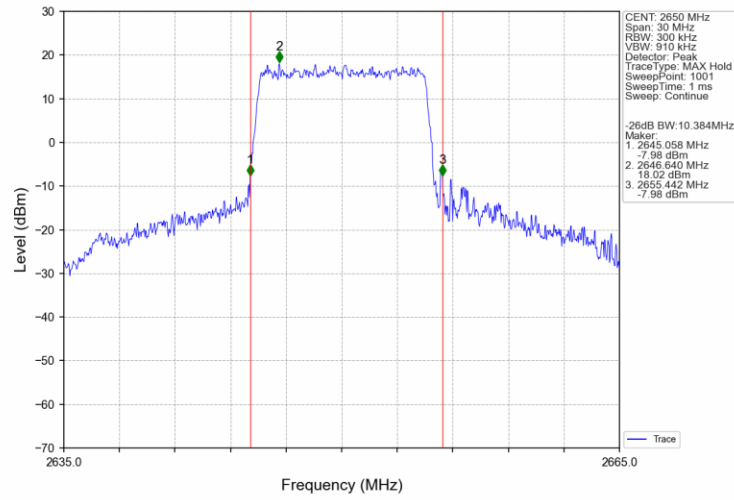
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



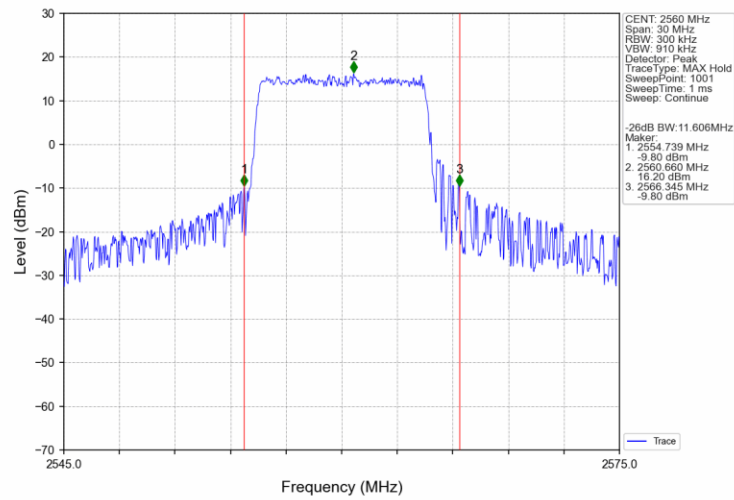
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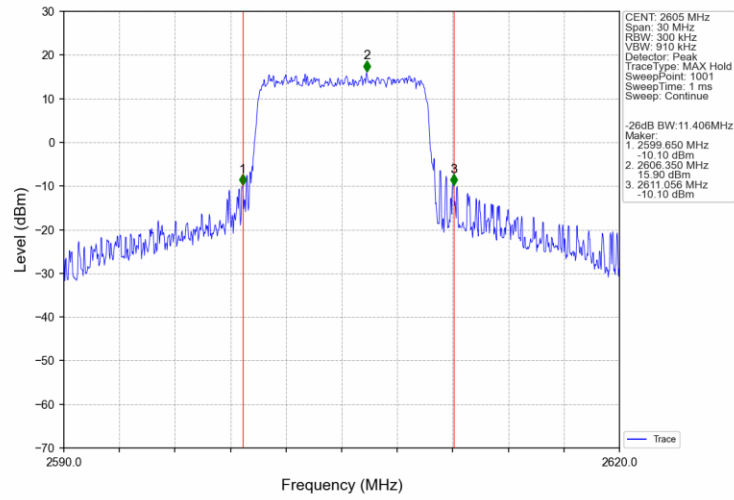
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



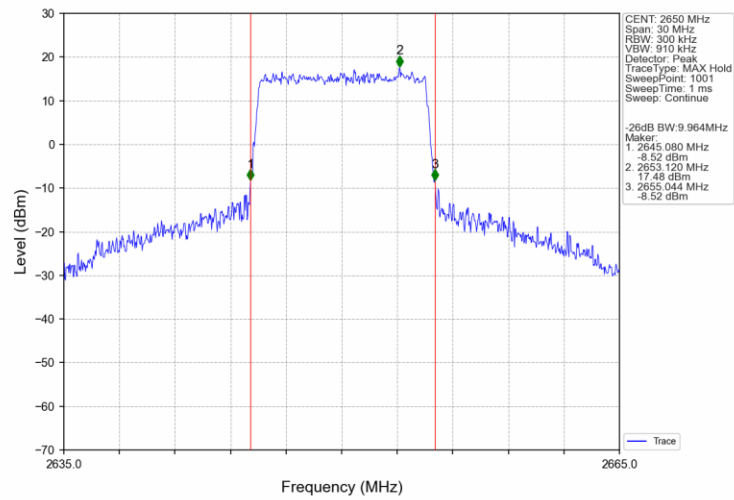
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



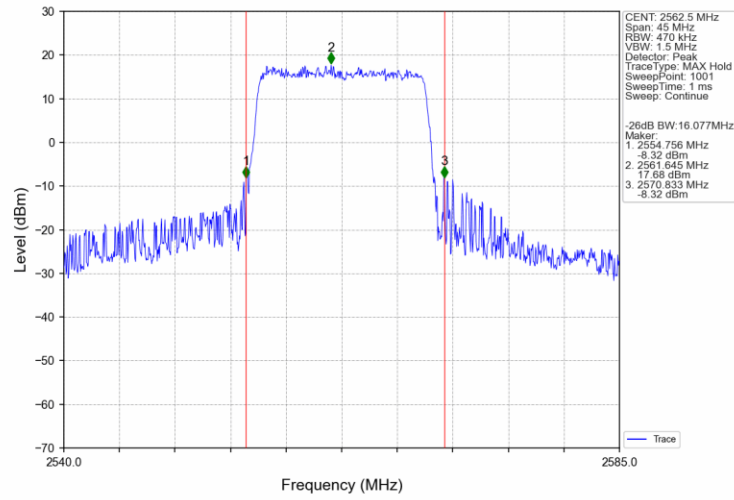
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



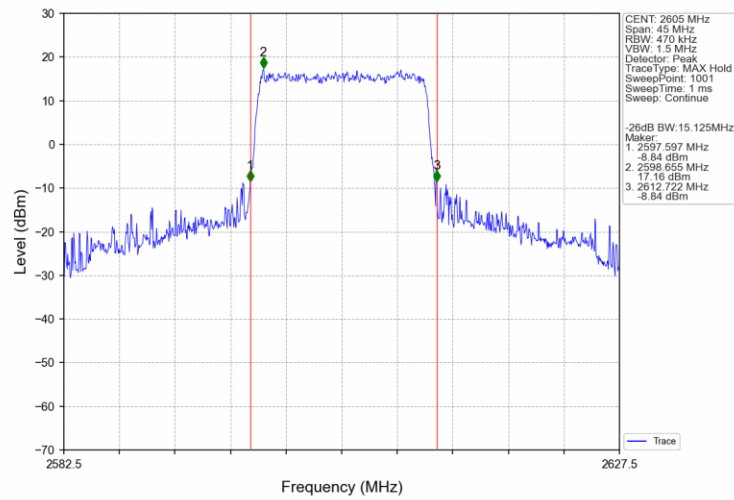
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



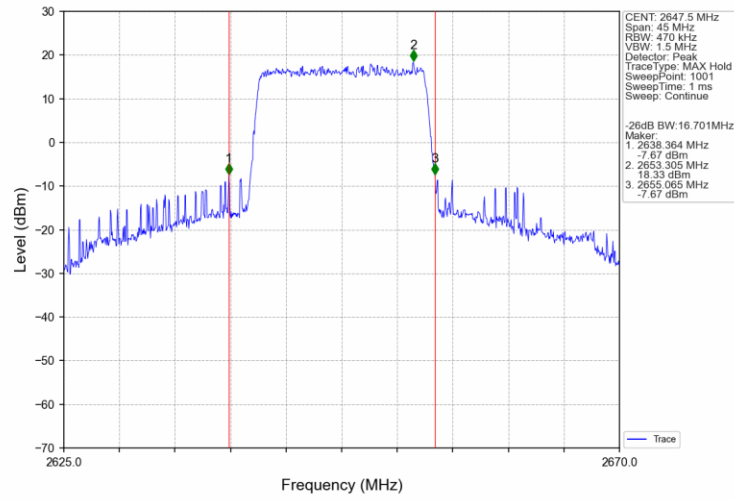
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



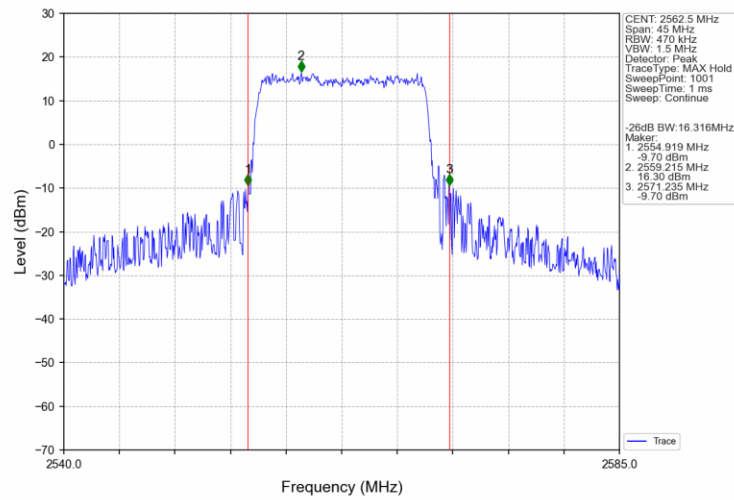
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



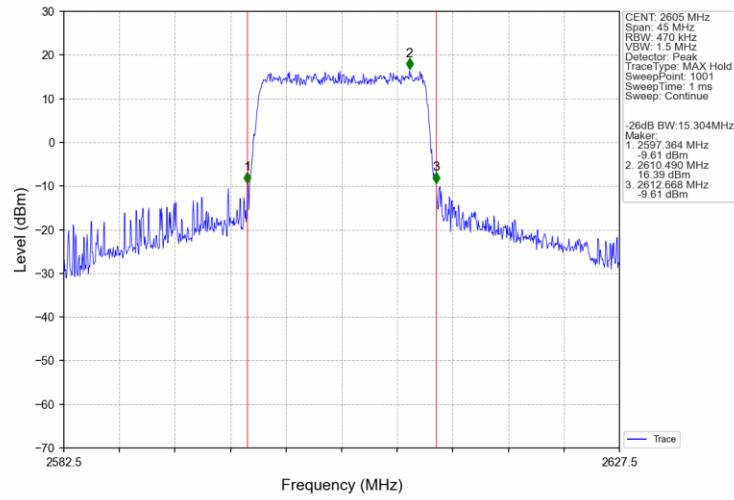
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0 NTNv



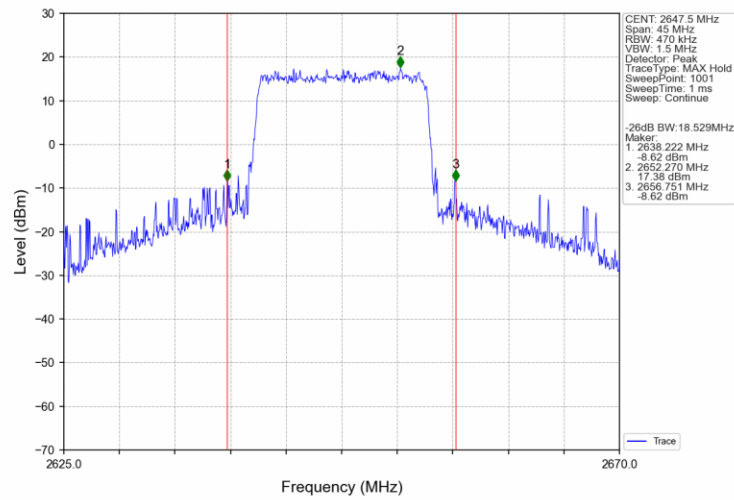
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0 NTNv



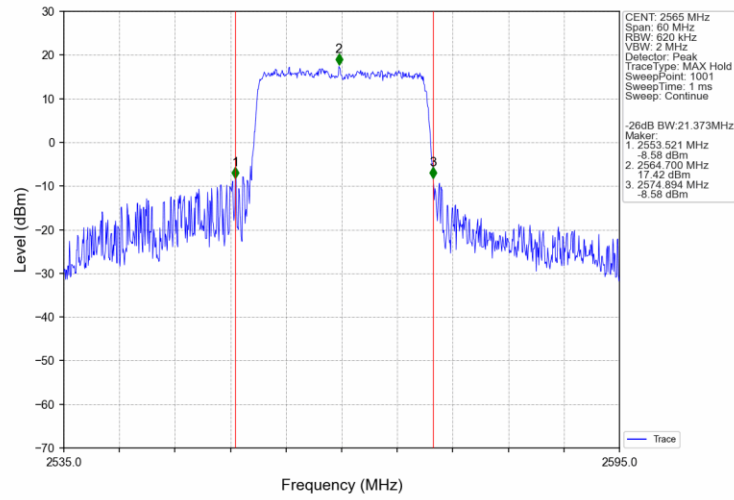
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



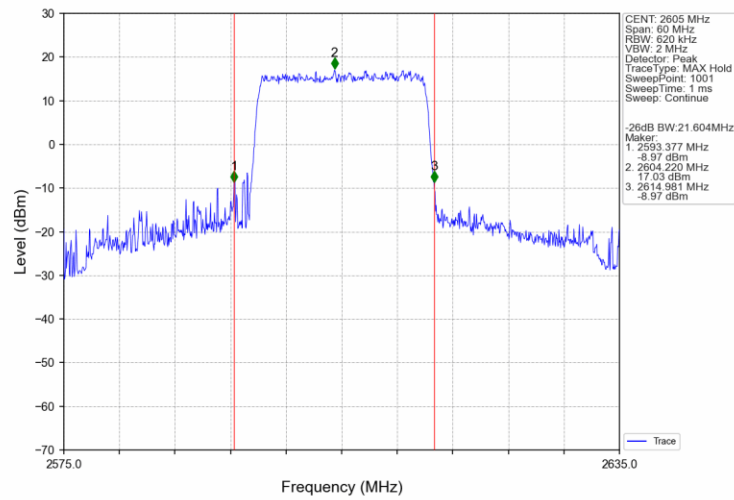
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



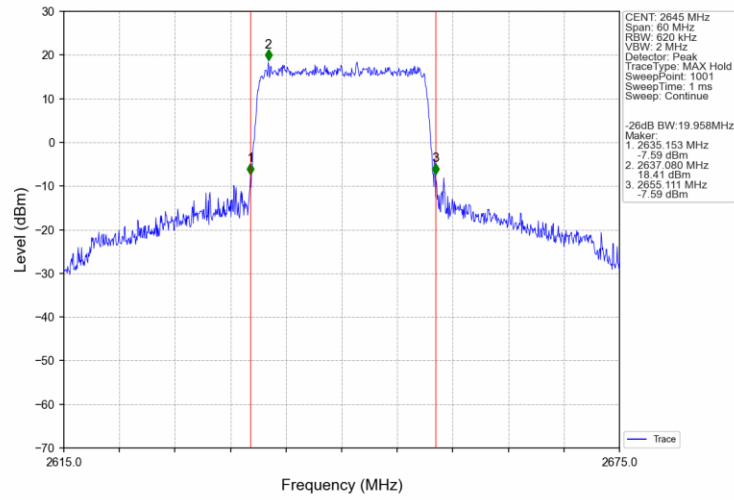
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



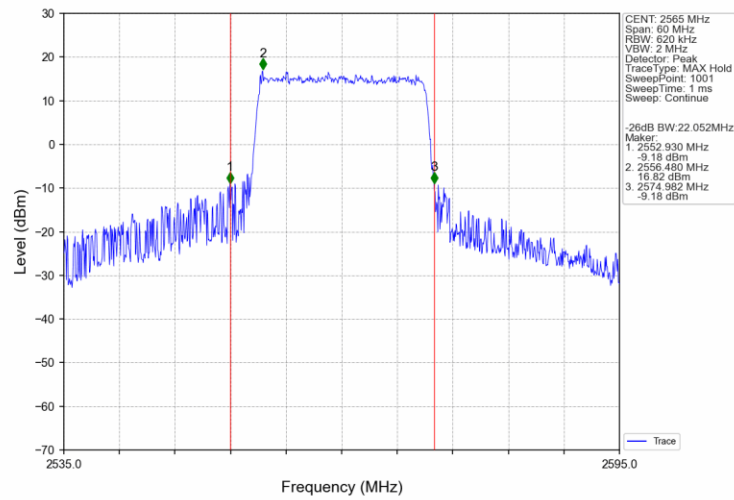
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



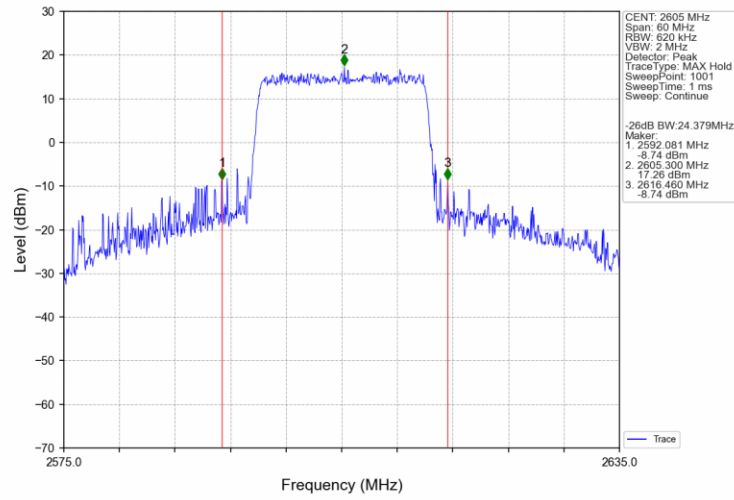
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



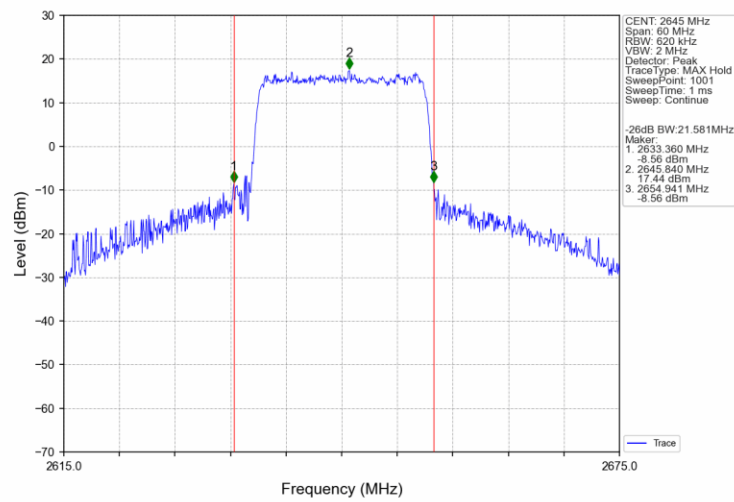
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



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	7.47	<=13	Pass
	2605	25	0	7.06	<=13	Pass
	2652.5	25	0	7.10	<=13	Pass
16QAM	2557.5	25	0	8.29	<=13	Pass
	2605	25	0	7.87	<=13	Pass
	2652.5	25	0	7.70	<=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	7.54	<=13	Pass
	2605	50	0	7.32	<=13	Pass
	2650	50	0	7.12	<=13	Pass
16QAM	2560	50	0	8.33	<=13	Pass
	2605	50	0	8.07	<=13	Pass
	2650	50	0	7.83	<=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	7.15	<=13	Pass
	2605	75	0	7.22	<=13	Pass
	2647.5	75	0	6.97	<=13	Pass
16QAM	2562.5	75	0	8.18	<=13	Pass
	2605	75	0	8.00	<=13	Pass
	2647.5	75	0	8.02	<=13	Pass

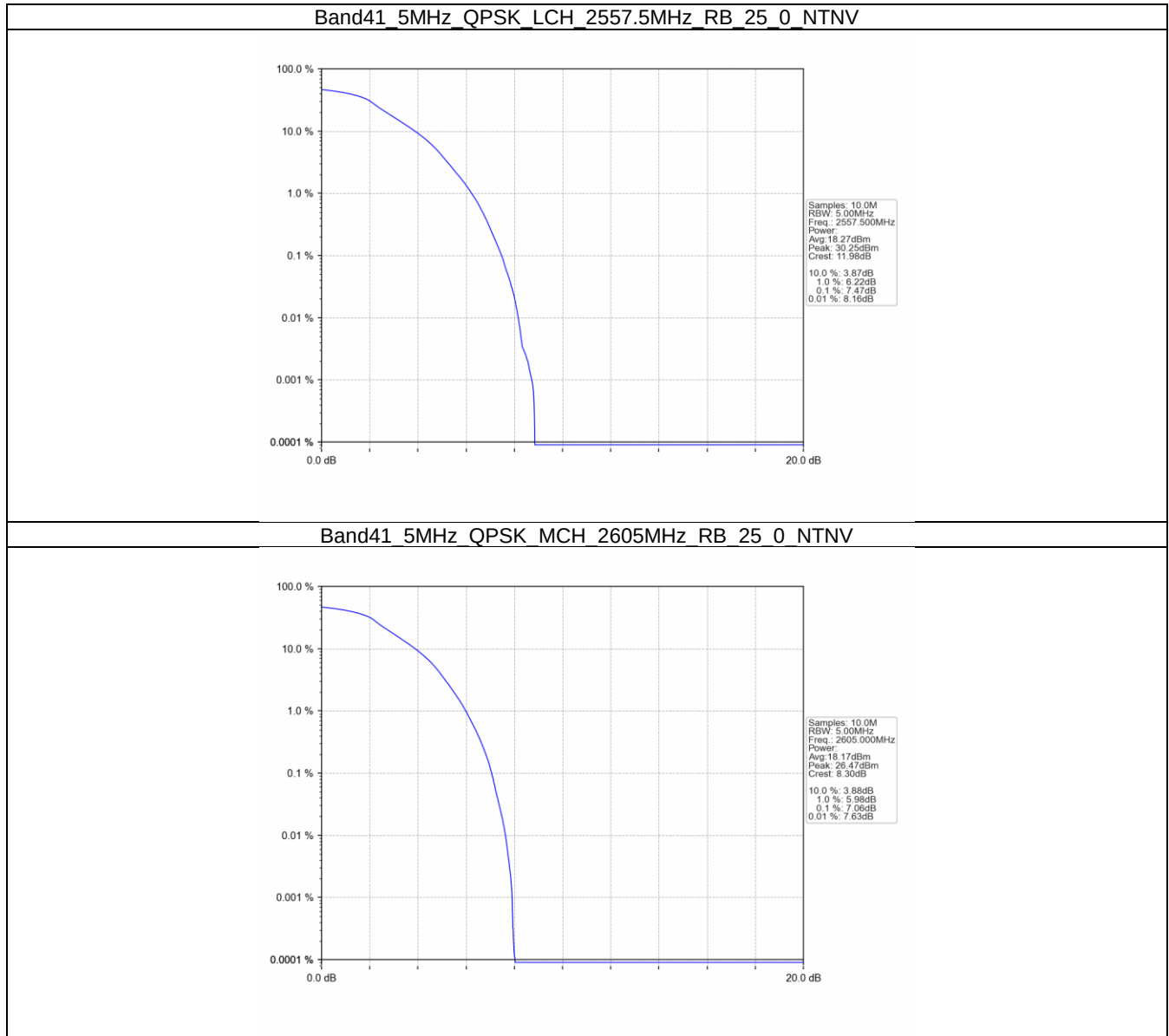
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.72	<=13	Pass
	2605	100	0	7.77	<=13	Pass
	2645	100	0	7.66	<=13	Pass
16QAM	2565	100	0	8.74	<=13	Pass
	2605	100	0	8.41	<=13	Pass
	2645	100	0	8.47	<=13	Pass

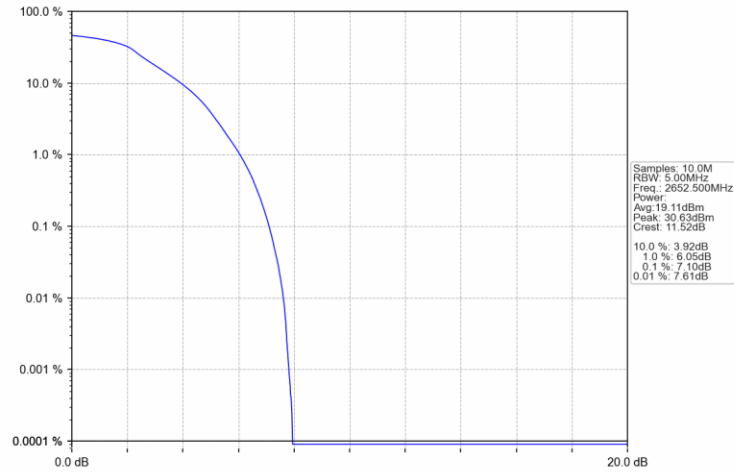


5.2 Test Graph

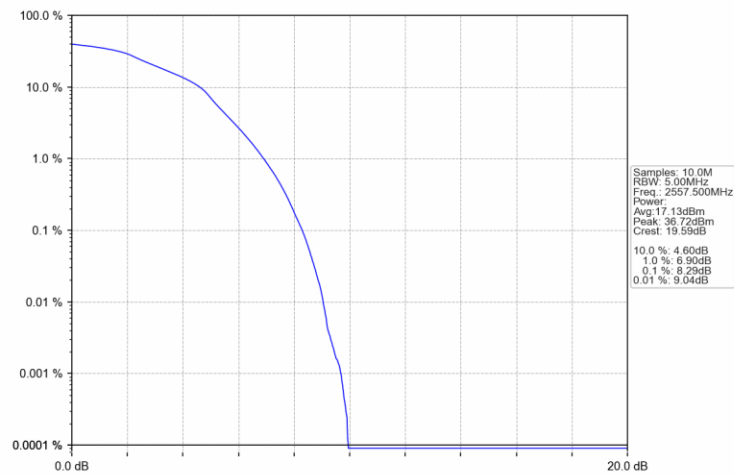
5.2.1 B41_5MHz



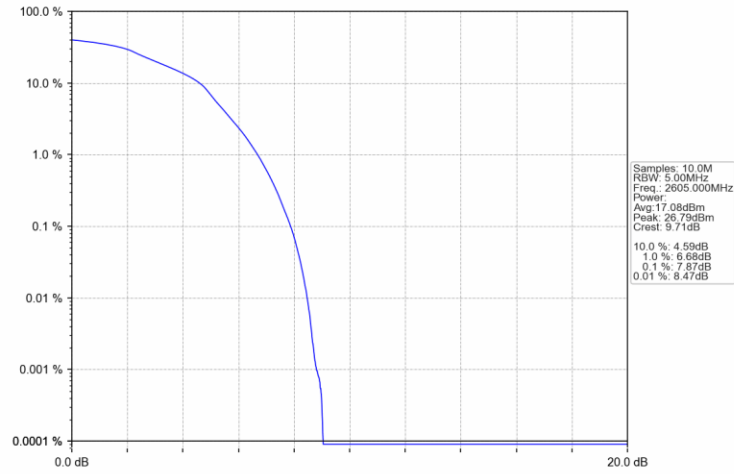
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



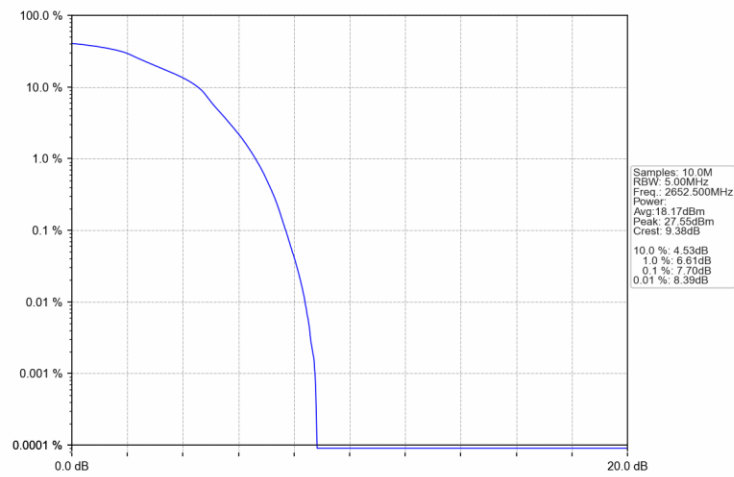
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV

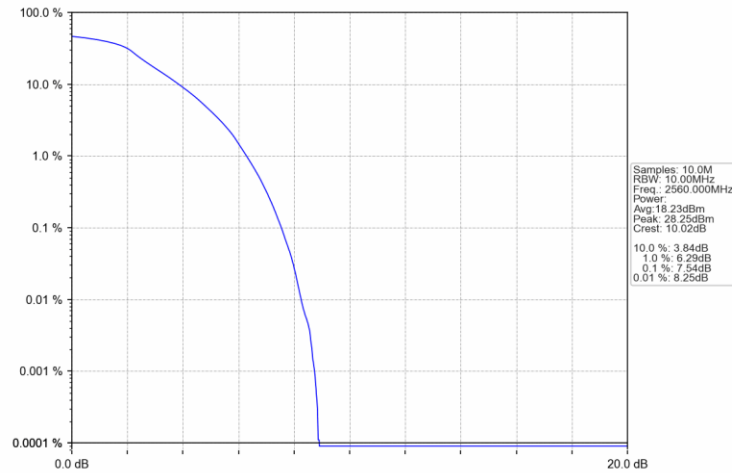


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV

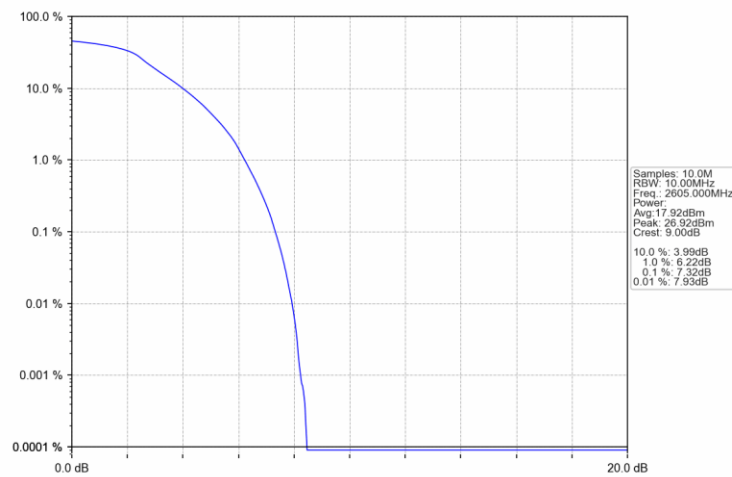


5.2.2 B41_10MHz

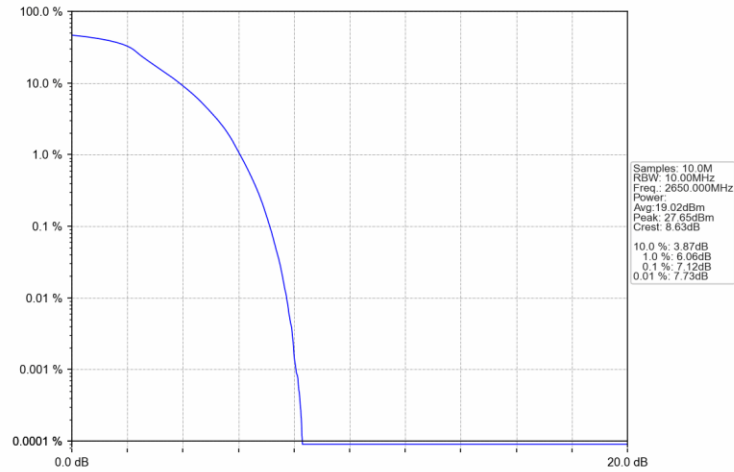
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



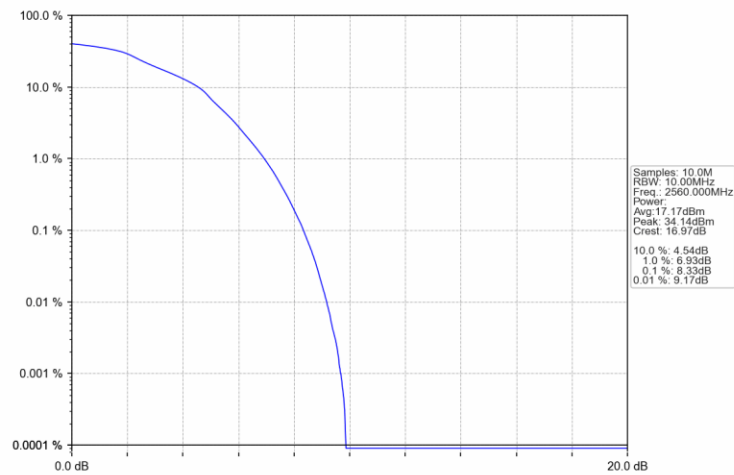
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



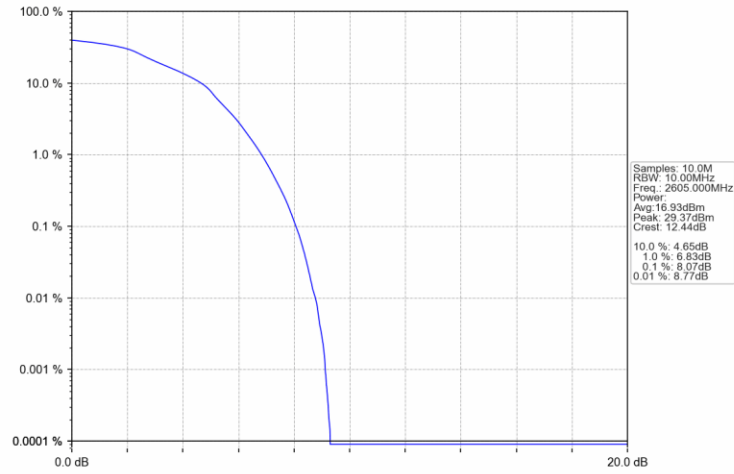
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



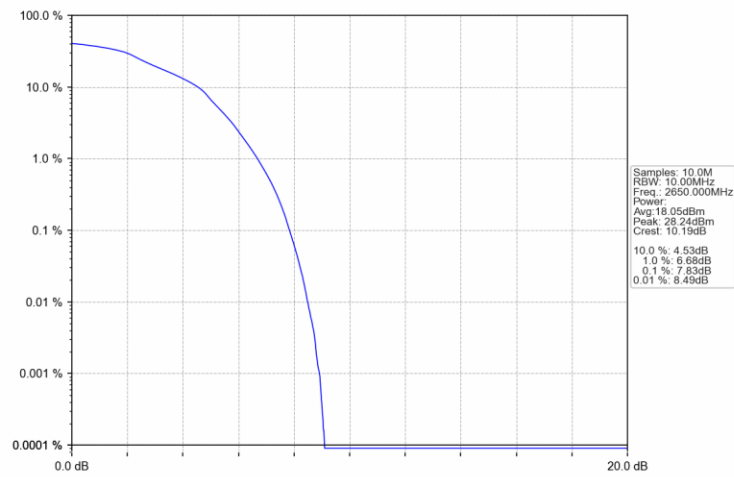
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



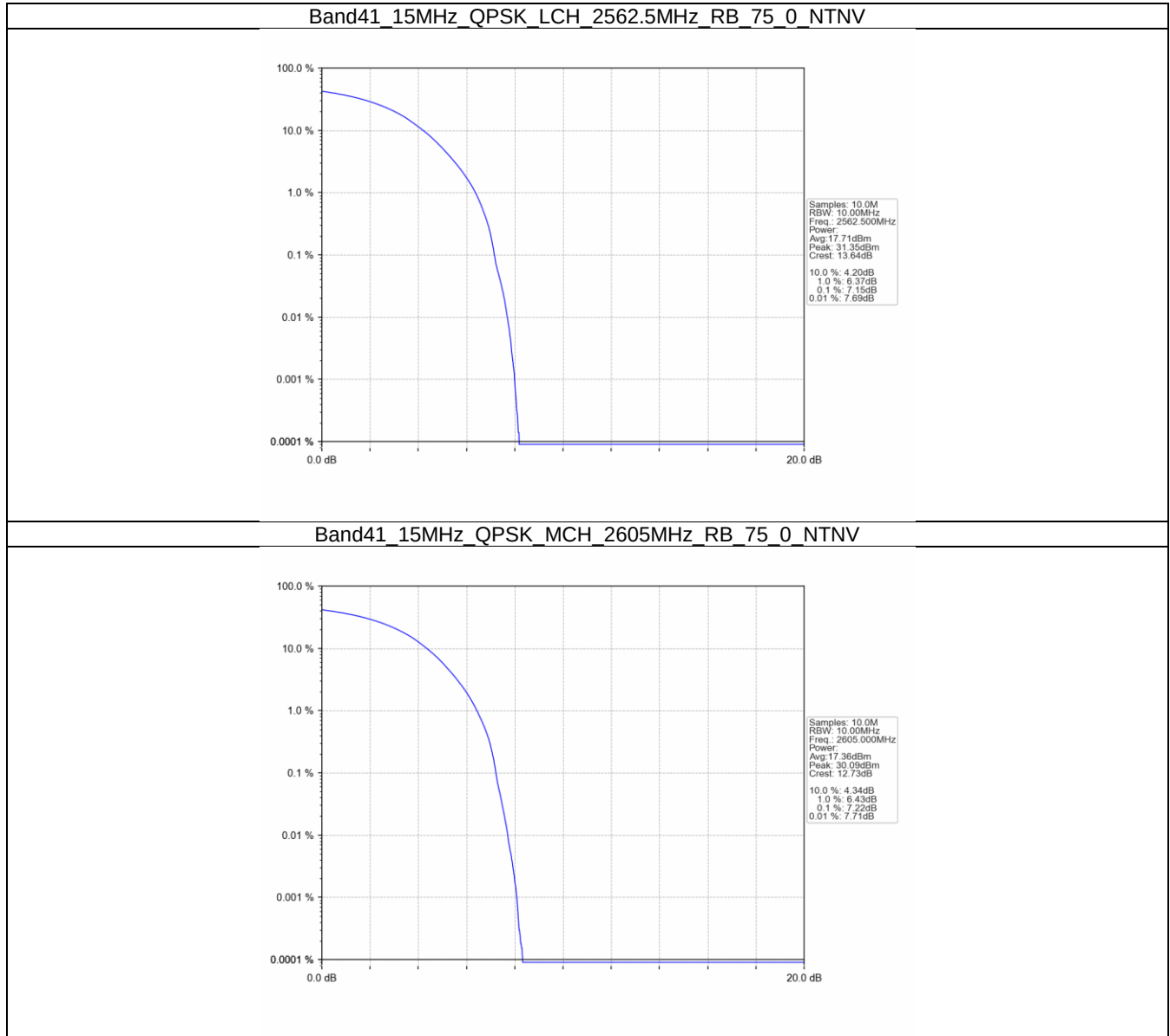
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



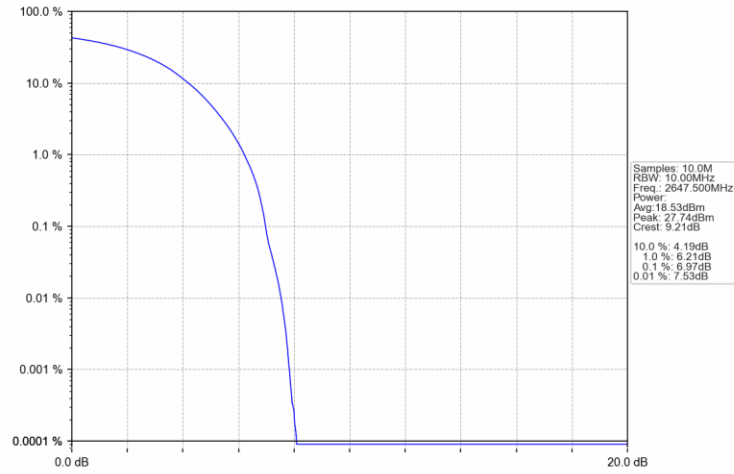
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



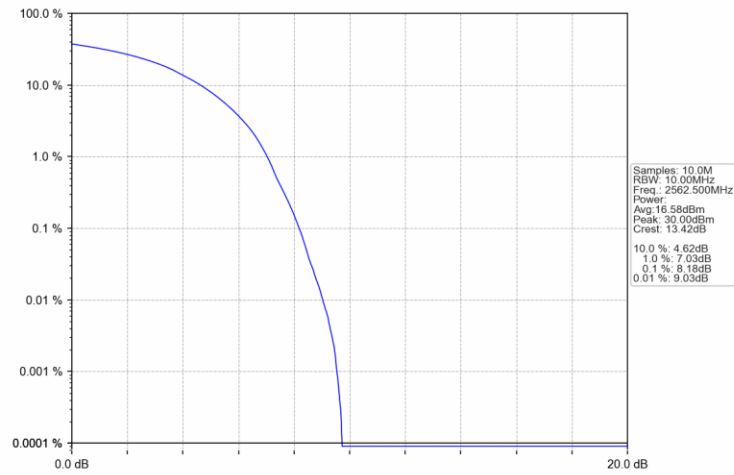
5.2.3 B41_15MHz



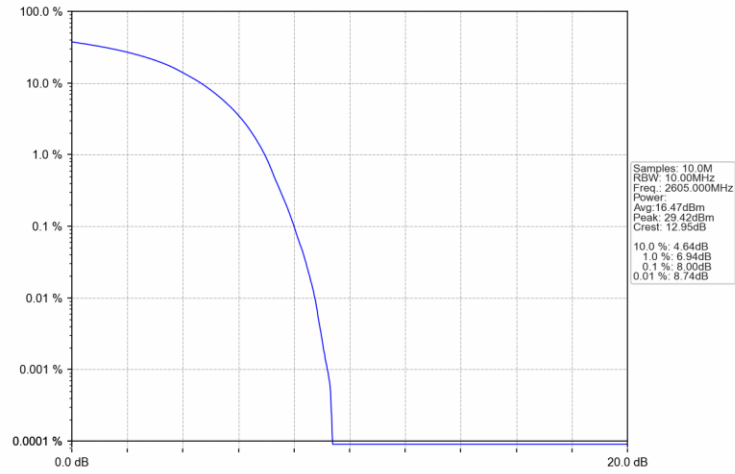
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



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

