

Appendix Test Data for LTE_band_41

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	21.97	1.40	23.37	<=33.01	Pass
			13	21.97	1.40	23.37	<=33.01	Pass
			24	22.02	1.40	23.42	<=33.01	Pass
		12	0	20.90	1.40	22.30	<=33.01	Pass
			6	20.90	1.40	22.30	<=33.01	Pass
			13	20.88	1.40	22.28	<=33.01	Pass
		25	0	20.88	1.40	22.28	<=33.01	Pass
	2605	1	0	21.98	1.40	23.38	<=33.01	Pass
			13	22.03	1.40	23.43	<=33.01	Pass
			24	22.05	1.40	23.45	<=33.01	Pass
		12	0	20.99	1.40	22.39	<=33.01	Pass
			6	21.01	1.40	22.41	<=33.01	Pass
			13	21.03	1.40	22.43	<=33.01	Pass
		25	0	21.02	1.40	22.42	<=33.01	Pass
	2652.5	1	0	22.67	1.40	24.07	<=33.01	Pass
			13	22.62	1.40	24.02	<=33.01	Pass
			24	22.61	1.40	24.01	<=33.01	Pass
		12	0	21.61	1.40	23.01	<=33.01	Pass
			6	21.56	1.40	22.96	<=33.01	Pass
			13	21.59	1.40	22.99	<=33.01	Pass
		25	0	21.60	1.40	23.00	<=33.01	Pass
16QAM	2557.5	1	0	20.84	1.40	22.24	<=33.01	Pass
			13	21.13	1.40	22.53	<=33.01	Pass
			24	20.92	1.40	22.32	<=33.01	Pass
		12	0	19.83	1.40	21.23	<=33.01	Pass
			6	19.89	1.40	21.29	<=33.01	Pass
			13	19.81	1.40	21.21	<=33.01	Pass
		25	0	19.87	1.40	21.27	<=33.01	Pass
	2605	1	0	20.94	1.40	22.34	<=33.01	Pass
			13	21.00	1.40	22.40	<=33.01	Pass
			24	21.02	1.40	22.42	<=33.01	Pass
		12	0	20.01	1.40	21.41	<=33.01	Pass
			6	20.00	1.40	21.40	<=33.01	Pass
			13	20.04	1.40	21.44	<=33.01	Pass
		25	0	20.01	1.40	21.41	<=33.01	Pass
	2652.5	1	0	21.71	1.40	23.11	<=33.01	Pass
			13	21.33	1.40	22.73	<=33.01	Pass
			24	21.38	1.40	22.78	<=33.01	Pass
		12	0	20.55	1.40	21.95	<=33.01	Pass
			6	20.66	1.40	22.06	<=33.01	Pass
			13	20.66	1.40	22.06	<=33.01	Pass
		25	0	20.63	1.40	22.03	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2560	1	0	21.88	1.40	23.28	<=33.01	Pass
			25	21.96	1.40	23.36	<=33.01	Pass
			49	22.00	1.40	23.40	<=33.01	Pass
		25	0	20.91	1.40	22.31	<=33.01	Pass
			13	20.88	1.40	22.28	<=33.01	Pass
			25	20.91	1.40	22.31	<=33.01	Pass
		50	0	20.97	1.40	22.37	<=33.01	Pass
			0	22.01	1.40	23.41	<=33.01	Pass
			25	22.09	1.40	23.49	<=33.01	Pass
	2605	1	49	21.94	1.40	23.34	<=33.01	Pass
			0	21.00	1.40	22.40	<=33.01	Pass
			13	21.00	1.40	22.40	<=33.01	Pass
		25	25	21.01	1.40	22.41	<=33.01	Pass
			0	21.05	1.40	22.45	<=33.01	Pass
		50	0	22.65	1.40	24.05	<=33.01	Pass
			25	22.68	1.40	24.08	<=33.01	Pass
			49	22.75	1.40	24.15	<=33.01	Pass
	2650	1	0	21.56	1.40	22.96	<=33.01	Pass
			13	21.62	1.40	23.02	<=33.01	Pass
			25	21.62	1.40	23.02	<=33.01	Pass
		25	0	21.60	1.40	23.00	<=33.01	Pass
			0	20.80	1.40	22.20	<=33.01	Pass
			25	20.85	1.40	22.25	<=33.01	Pass
	16QAM	1	49	20.66	1.40	22.06	<=33.01	Pass
			0	19.91	1.40	21.31	<=33.01	Pass
			13	19.81	1.40	21.21	<=33.01	Pass
	2560	25	25	19.87	1.40	21.27	<=33.01	Pass
			0	19.97	1.40	21.37	<=33.01	Pass
			0	20.72	1.40	22.12	<=33.01	Pass
	2605	1	25	20.91	1.40	22.31	<=33.01	Pass
			49	20.83	1.40	22.23	<=33.01	Pass
			0	19.99	1.40	21.39	<=33.01	Pass
	2650	25	13	20.04	1.40	21.44	<=33.01	Pass
			25	20.05	1.40	21.45	<=33.01	Pass
			0	20.01	1.40	21.41	<=33.01	Pass
	16QAM	1	0	21.65	1.40	23.05	<=33.01	Pass
			25	21.63	1.40	23.03	<=33.01	Pass
			49	21.76	1.40	23.16	<=33.01	Pass
	2560	25	0	20.58	1.40	21.98	<=33.01	Pass
			13	20.59	1.40	21.99	<=33.01	Pass
			25	20.66	1.40	22.06	<=33.01	Pass
	2605	50	0	20.60	1.40	22.00	<=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	21.87	1.40	23.27	<=33.01	Pass
			38	21.97	1.40	23.37	<=33.01	Pass
			74	21.82	1.40	23.22	<=33.01	Pass
		36	0	20.86	1.40	22.26	<=33.01	Pass
			18	20.88	1.40	22.28	<=33.01	Pass
			39	20.92	1.40	22.32	<=33.01	Pass
		75	0	20.87	1.40	22.27	<=33.01	Pass
	2605	1	0	21.87	1.40	23.27	<=33.01	Pass
			38	22.07	1.40	23.47	<=33.01	Pass
			74	21.92	1.40	23.32	<=33.01	Pass
		36	0	20.94	1.40	22.34	<=33.01	Pass
			18	20.99	1.40	22.39	<=33.01	Pass
			39	21.00	1.40	22.40	<=33.01	Pass
		75	0	20.99	1.40	22.39	<=33.01	Pass
	2647.5	1	0	22.48	1.40	23.88	<=33.01	Pass
			38	22.68	1.40	24.08	<=33.01	Pass
			74	22.61	1.40	24.01	<=33.01	Pass
		36	0	21.50	1.40	22.90	<=33.01	Pass
			18	21.48	1.40	22.88	<=33.01	Pass
			39	21.53	1.40	22.93	<=33.01	Pass
		75	0	21.55	1.40	22.95	<=33.01	Pass
16QAM	2562.5	1	0	20.74	1.40	22.14	<=33.01	Pass
			38	20.69	1.40	22.09	<=33.01	Pass
			74	20.96	1.40	22.36	<=33.01	Pass
		36	0	19.87	1.40	21.27	<=33.01	Pass
			18	19.91	1.40	21.31	<=33.01	Pass
			39	19.92	1.40	21.32	<=33.01	Pass
		75	0	19.88	1.40	21.28	<=33.01	Pass
	2605	1	0	20.80	1.40	22.20	<=33.01	Pass
			38	20.91	1.40	22.31	<=33.01	Pass
			74	20.88	1.40	22.28	<=33.01	Pass
		36	0	19.99	1.40	21.39	<=33.01	Pass
			18	19.96	1.40	21.36	<=33.01	Pass
			39	19.99	1.40	21.39	<=33.01	Pass
		75	0	20.02	1.40	21.42	<=33.01	Pass
	2647.5	1	0	21.31	1.40	22.71	<=33.01	Pass
			38	21.61	1.40	23.01	<=33.01	Pass
			74	21.64	1.40	23.04	<=33.01	Pass
		36	0	20.51	1.40	21.91	<=33.01	Pass
			18	20.51	1.40	21.91	<=33.01	Pass
			39	20.57	1.40	21.97	<=33.01	Pass
		75	0	20.53	1.40	21.93	<=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	21.70	1.40	23.10	<=33.01	Pass
			50	21.85	1.40	23.25	<=33.01	Pass
			99	21.93	1.40	23.33	<=33.01	Pass
		50	0	20.95	1.40	22.35	<=33.01	Pass
			25	20.95	1.40	22.35	<=33.01	Pass
			50	20.97	1.40	22.37	<=33.01	Pass
		100	0	20.93	1.40	22.33	<=33.01	Pass
	2605	1	0	21.77	1.40	23.17	<=33.01	Pass
			50	21.94	1.40	23.34	<=33.01	Pass
			99	22.08	1.40	23.48	<=33.01	Pass
		50	0	21.01	1.40	22.41	<=33.01	Pass
			25	21.11	1.40	22.51	<=33.01	Pass
			50	21.13	1.40	22.53	<=33.01	Pass
		100	0	21.04	1.40	22.44	<=33.01	Pass
	2645	1	0	22.34	1.40	23.74	<=33.01	Pass
			50	22.55	1.40	23.95	<=33.01	Pass
			99	22.63	1.40	24.03	<=33.01	Pass
		50	0	21.48	1.40	22.88	<=33.01	Pass
			25	21.60	1.40	23.00	<=33.01	Pass
			50	21.59	1.40	22.99	<=33.01	Pass
		100	0	21.54	1.40	22.94	<=33.01	Pass
16QAM	2565	1	0	20.39	1.40	21.79	<=33.01	Pass
			50	21.06	1.40	22.46	<=33.01	Pass
			99	21.15	1.40	22.55	<=33.01	Pass
		50	0	19.92	1.40	21.32	<=33.01	Pass
			25	19.90	1.40	21.30	<=33.01	Pass
			50	19.94	1.40	21.34	<=33.01	Pass
		100	0	19.94	1.40	21.34	<=33.01	Pass
	2605	1	0	20.73	1.40	22.13	<=33.01	Pass
			50	20.79	1.40	22.19	<=33.01	Pass
			99	20.79	1.40	22.19	<=33.01	Pass
		50	0	19.97	1.40	21.37	<=33.01	Pass
			25	20.03	1.40	21.43	<=33.01	Pass
			50	20.11	1.40	21.51	<=33.01	Pass
		100	0	20.03	1.40	21.43	<=33.01	Pass
	2645	1	0	21.28	1.40	22.68	<=33.01	Pass
			50	21.52	1.40	22.92	<=33.01	Pass
			99	21.51	1.40	22.91	<=33.01	Pass
		50	0	20.49	1.40	21.89	<=33.01	Pass
			25	20.61	1.40	22.01	<=33.01	Pass
			50	20.61	1.40	22.01	<=33.01	Pass
		100	0	20.54	1.40	21.94	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2557.5	25	0	20	3.27	7.811	0.0031	-2.5 to 2.5	Pass
					3.85	5.193	0.0020	-2.5 to 2.5	Pass
					4.43	2.131	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.277	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.360	0.0009	-2.5 to 2.5	Pass
				10	3.85	4.349	0.0017	-2.5 to 2.5	Pass
				30	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				50	3.85	19.255	0.0075	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	5.379	0.0021	-2.5 to 2.5	Pass
					3.85	1.116	0.0004	-2.5 to 2.5	Pass
					4.43	13.747	0.0053	-2.5 to 2.5	Pass
				-30	3.85	1.688	0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.592	0.0018	-2.5 to 2.5	Pass
				-10	3.85	10.285	0.0039	-2.5 to 2.5	Pass
				0	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				30	3.85	8.469	0.0033	-2.5 to 2.5	Pass
				40	3.85	9.127	0.0035	-2.5 to 2.5	Pass
				50	3.85	3.090	0.0012	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	17.138	0.0065	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	2.346	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.290	0.0012	-2.5 to 2.5	Pass
				-20	3.85	8.855	0.0033	-2.5 to 2.5	Pass
				-10	3.85	5.922	0.0022	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0003	-2.5 to 2.5	Pass
				10	3.85	4.778	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				40	3.85	13.289	0.0050	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	10.214	0.0040	-2.5 to 2.5	Pass
					3.85	10.757	0.0042	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.501	0.0002	-2.5 to 2.5	Pass
				-20	3.85	12.102	0.0047	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0006	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				30	3.85	10.142	0.0040	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0013	-2.5 to 2.5	Pass
				50	3.85	-8.640	-0.0034	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	4.592	0.0018	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
					4.43	8.311	0.0032	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-20	3.85	4.549	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-7.997	-0.0031	-2.5 to 2.5	Pass

				0	3.85	-6.366	-0.0024	-2.5 to 2.5	Pass
				10	3.85	15.264	0.0059	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	2.661	0.0010	-2.5 to 2.5	Pass
					3.85	-6.080	-0.0023	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-11.129	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0017	-2.5 to 2.5	Pass
				0	3.85	7.954	0.0030	-2.5 to 2.5	Pass
				10	3.85	8.812	0.0033	-2.5 to 2.5	Pass
				30	3.85	8.855	0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.864	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-12.431	-0.0047	-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	0.358	0.0001	-2.5 to 2.5	Pass
					3.85	3.247	0.0013	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-10	3.85	5.765	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				10	3.85	5.608	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.890	0.0011	-2.5 to 2.5	Pass
				40	3.85	9.613	0.0038	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-0.372	-0.0001	-2.5 to 2.5	Pass
					3.85	1.388	0.0005	-2.5 to 2.5	Pass
					4.43	0.272	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				-20	3.85	8.326	0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.604	0.0010	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0024	-2.5 to 2.5	Pass
				50	3.85	10.886	0.0042	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	5.393	0.0020	-2.5 to 2.5	Pass
					3.85	6.452	0.0024	-2.5 to 2.5	Pass
					4.43	3.734	0.0014	-2.5 to 2.5	Pass
				-30	3.85	6.380	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0006	-2.5 to 2.5	Pass
				10	3.85	3.705	0.0014	-2.5 to 2.5	Pass
				30	3.85	5.465	0.0021	-2.5 to 2.5	Pass
				40	3.85	1.917	0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	-5.980	-0.0023	-2.5 to 2.5	Pass
					3.85	8.769	0.0034	-2.5 to 2.5	Pass
					4.43	2.875	0.0011	-2.5 to 2.5	Pass

				-30	3.85	-1.602	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.990	0.0012	-2.5 to 2.5	Pass
				10	3.85	4.592	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	7.439	0.0029	-2.5 to 2.5	Pass
					3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
					4.43	6.995	0.0027	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.635	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	-7.095	-0.0027	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0004	-2.5 to 2.5	Pass
				50	3.85	4.649	0.0018	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	1.988	0.0008	-2.5 to 2.5	Pass
					3.85	0.544	0.0002	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.240	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	8.440	0.0032	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	4.034	0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				40	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.963	0.0015	-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	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	3.862	0.0015	-2.5 to 2.5	Pass
					4.43	4.878	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	5.894	0.0023	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.202	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				50	3.85	6.495	0.0025	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	4.005	0.0015	-2.5 to 2.5	Pass
					3.85	5.851	0.0022	-2.5 to 2.5	Pass
					4.43	8.569	0.0033	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.302	0.0005	-2.5 to 2.5	Pass
				10	3.85	4.935	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.847	0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.975	-0.0011	-2.5 to 2.5	Pass
				50	3.85	3.405	0.0013	-2.5 to 2.5	Pass

	2647.5	75	0	20	3.27	-5.693	-0.0022	-2.5 to 2.5	Pass
					3.85	6.080	0.0023	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	5.207	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
				10	3.85	4.749	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				40	3.85	4.349	0.0016	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	0.386	0.0002	-2.5 to 2.5	Pass
					3.85	4.892	0.0019	-2.5 to 2.5	Pass
					4.43	0.901	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.202	0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.234	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.144	-0.0004	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0001	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-1.345	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
					4.43	9.270	0.0036	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	8.068	0.0031	-2.5 to 2.5	Pass
				0	3.85	5.436	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.905	0.0015	-2.5 to 2.5	Pass
				30	3.85	6.566	0.0025	-2.5 to 2.5	Pass
				40	3.85	4.234	0.0016	-2.5 to 2.5	Pass
				50	3.85	9.141	0.0035	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	2.918	0.0011	-2.5 to 2.5	Pass
					3.85	1.545	0.0006	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	4.292	0.0016	-2.5 to 2.5	Pass
				-20	3.85	4.005	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.133	-0.0012	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0016	-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	2.761	0.0011	-2.5 to 2.5	Pass
					3.85	5.164	0.0020	-2.5 to 2.5	Pass
					4.43	5.350	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	4.263	0.0017	-2.5 to 2.5	Pass
				-10	3.85	4.578	0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0003	-2.5 to 2.5	Pass

				30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0011	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	3.633	0.0014	-2.5 to 2.5	Pass
					3.85	2.747	0.0011	-2.5 to 2.5	Pass
					4.43	4.563	0.0018	-2.5 to 2.5	Pass
				-30	3.85	10.457	0.0040	-2.5 to 2.5	Pass
				-20	3.85	4.449	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				40	3.85	3.405	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.861	0.0011	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	0.629	0.0002	-2.5 to 2.5	Pass
					3.85	0.529	0.0002	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				10	3.85	3.791	0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.433	-0.0013	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	5.050	0.0020	-2.5 to 2.5	Pass
					3.85	0.787	0.0003	-2.5 to 2.5	Pass
					4.43	4.005	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				0	3.85	3.633	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				30	3.85	7.453	0.0029	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				50	3.85	8.168	0.0032	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	5.121	0.0020	-2.5 to 2.5	Pass
					4.43	2.418	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.416	0.0005	-2.5 to 2.5	Pass
				-10	3.85	6.037	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.159	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0011	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	2.704	0.0010	-2.5 to 2.5	Pass
					3.85	4.005	0.0015	-2.5 to 2.5	Pass
					4.43	2.689	0.0010	-2.5 to 2.5	Pass
				-30	3.85	7.524	0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.116	0.0004	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0022	-2.5 to 2.5	Pass
				10	3.85	5.736	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0005	-2.5 to 2.5	Pass
				50	3.85	4.735	0.0018	-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

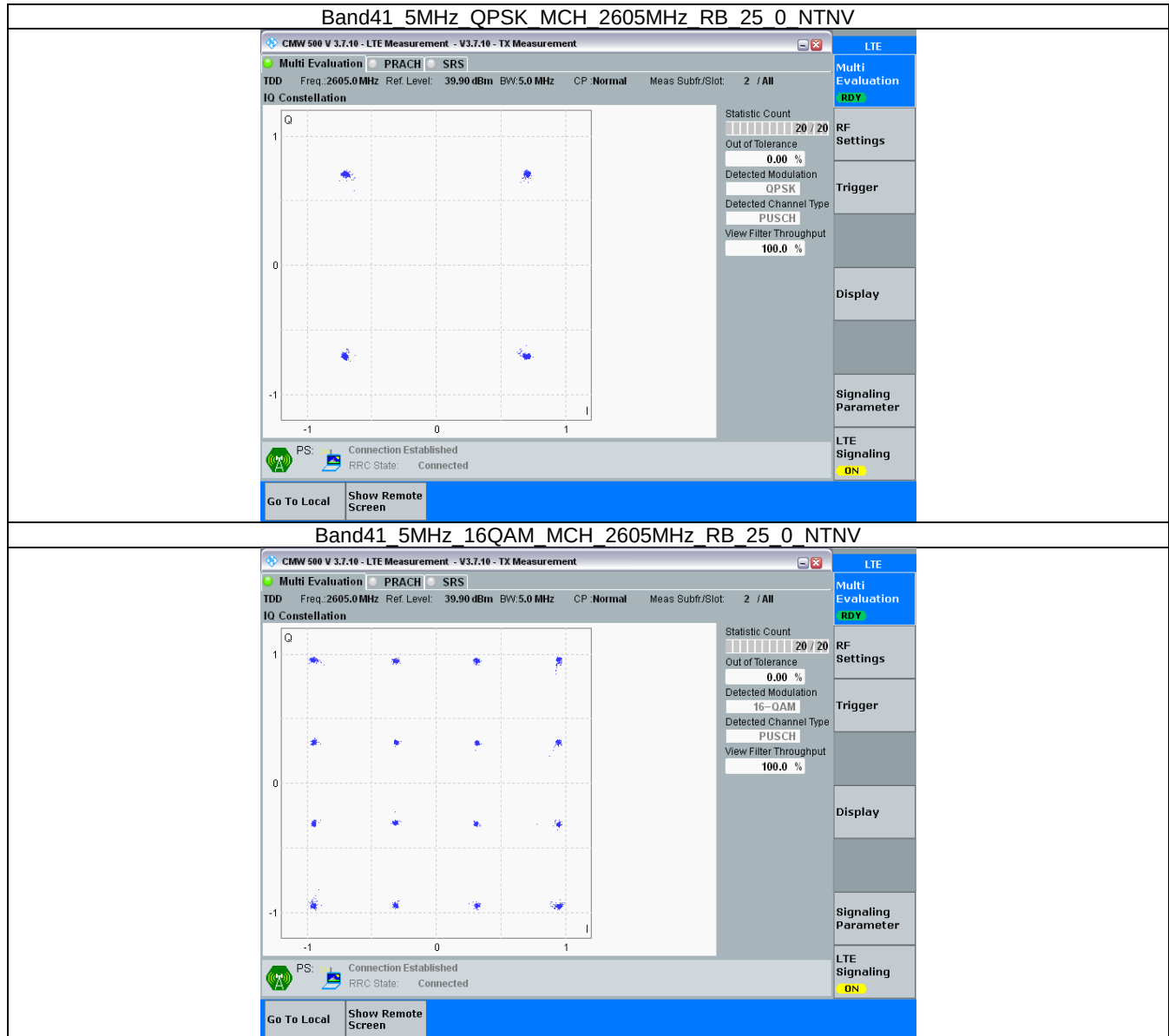
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

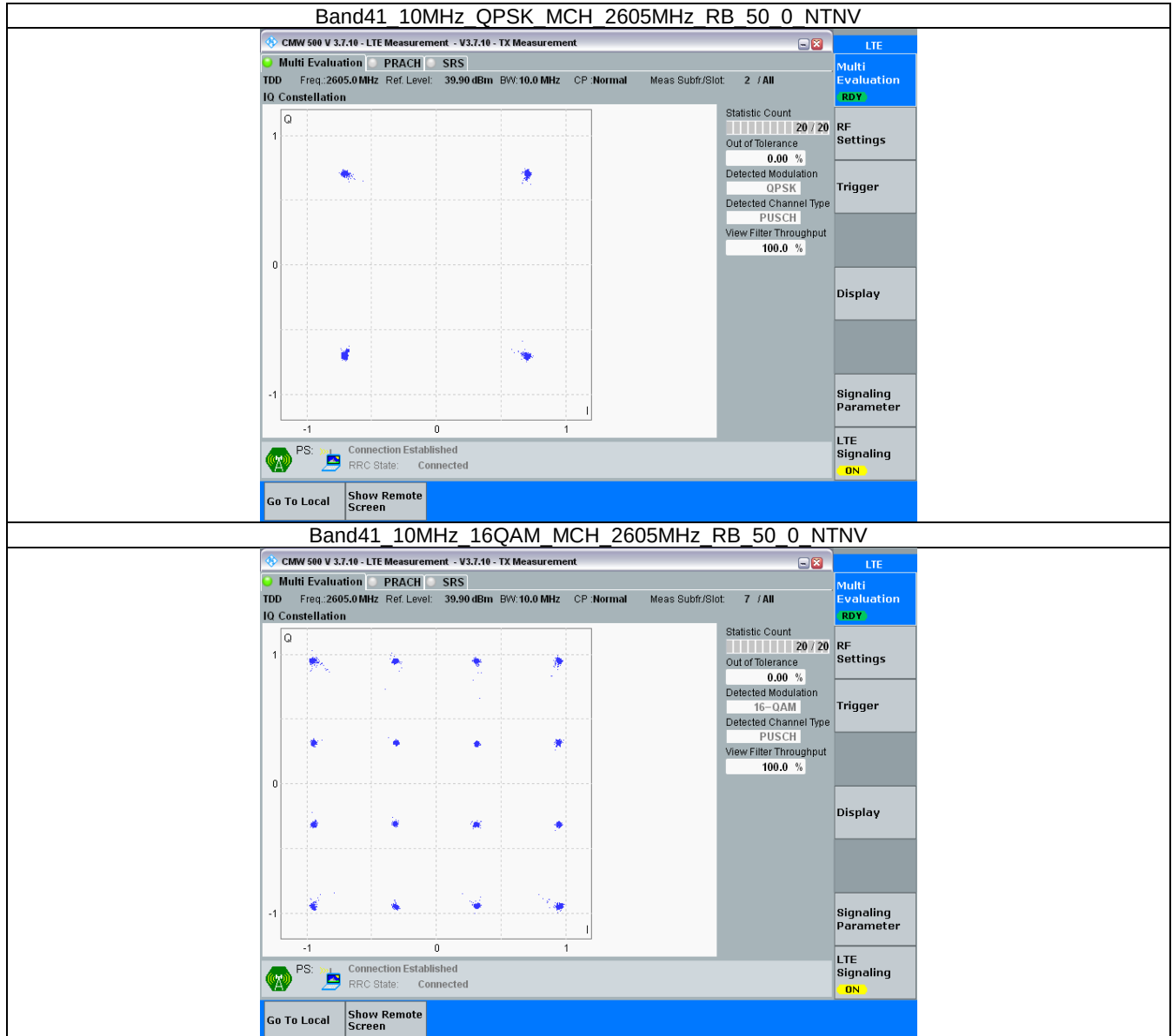
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

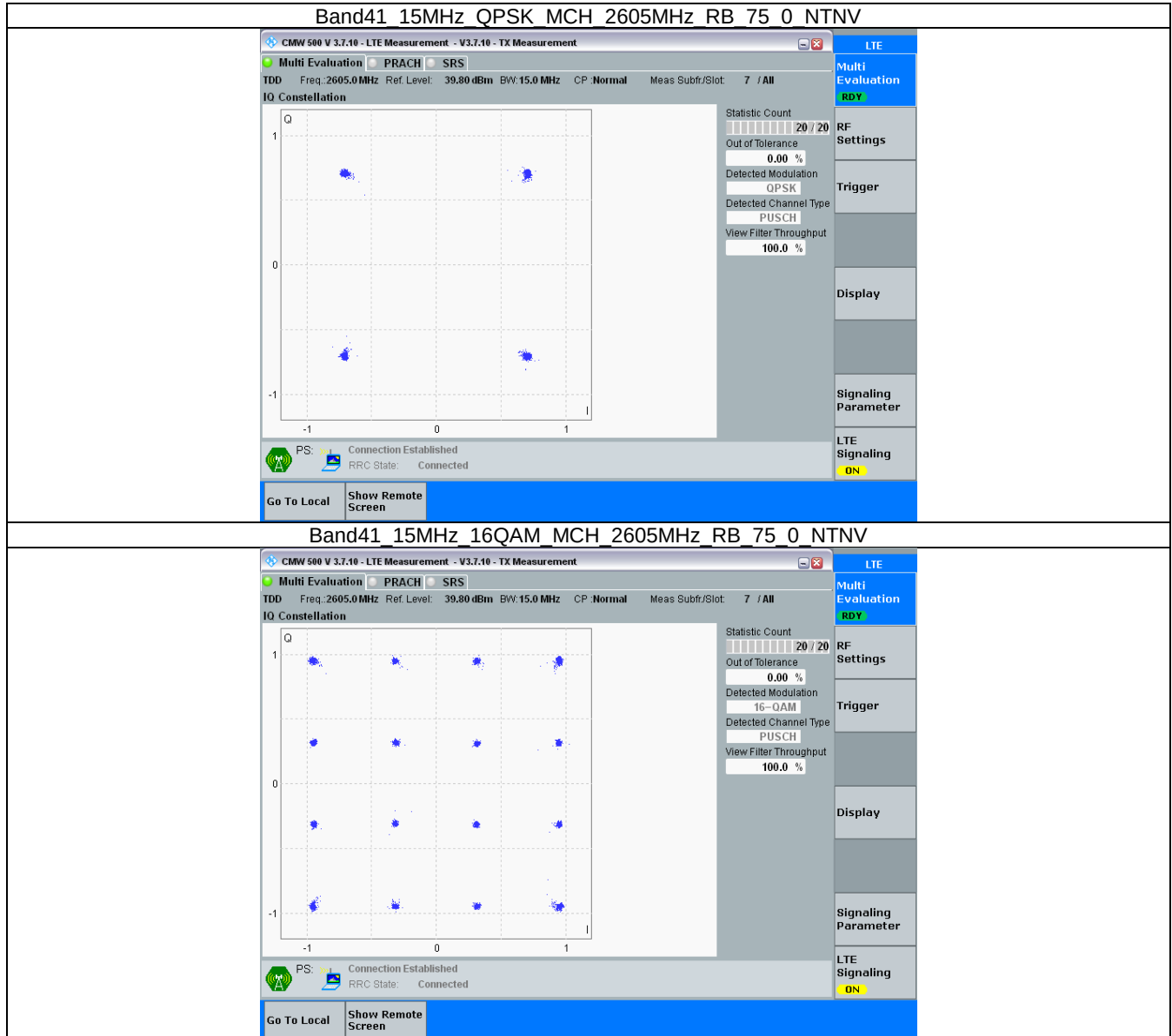
3.2.1 B41_5MHz



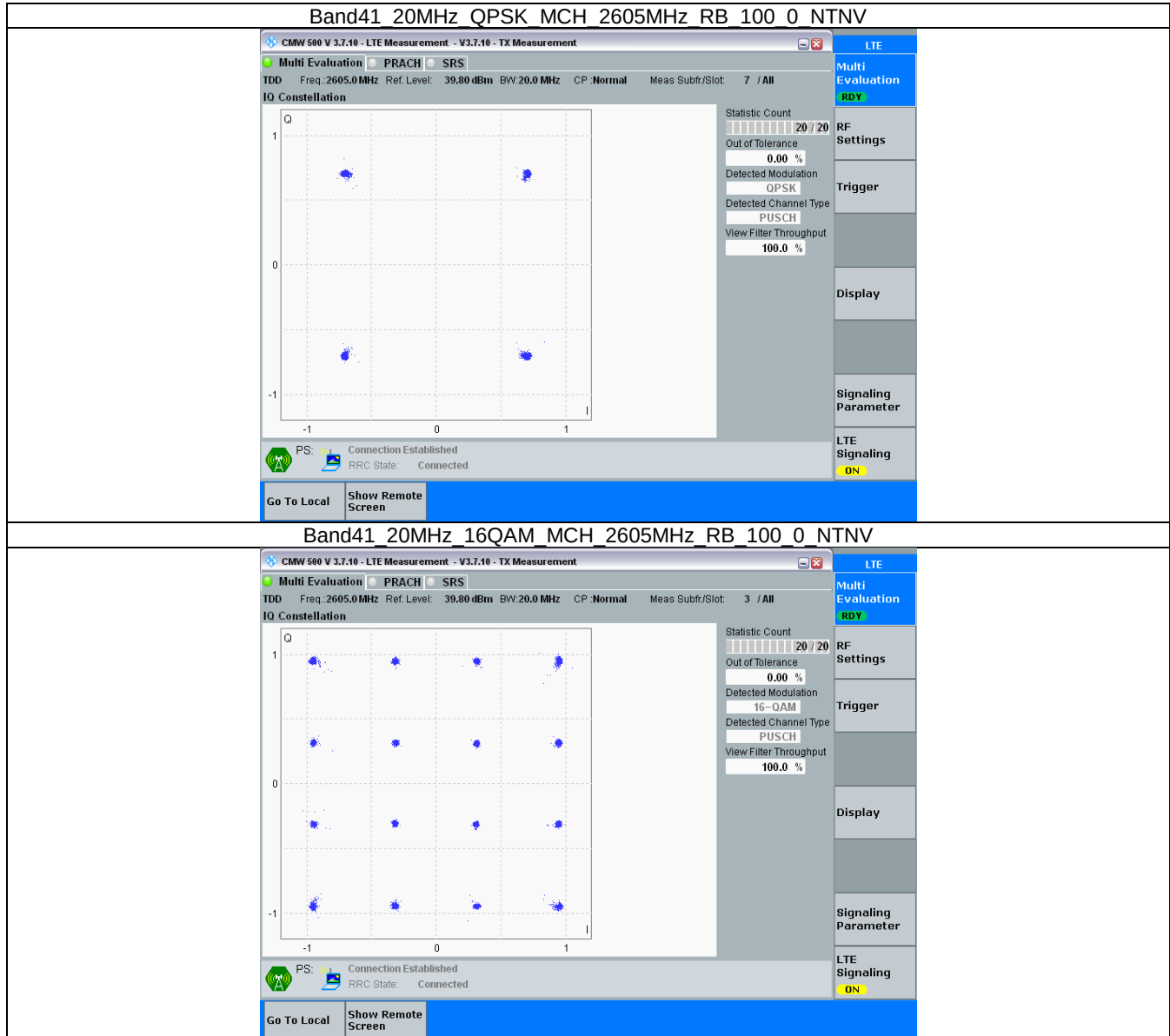
3.2.2 B41_10MHz



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	4.518	/	Pass
		2605	25	0	4.520	/	Pass
		2652.5	25	0	4.531	/	Pass
	16QAM	2557.5	25	0	4.504	/	Pass
		2605	25	0	4.508	/	Pass
		2652.5	25	0	4.532	/	Pass
10	QPSK	2560	50	0	8.962	/	Pass
		2605	50	0	8.965	/	Pass
		2650	50	0	8.948	/	Pass
	16QAM	2560	50	0	8.967	/	Pass
		2605	50	0	8.954	/	Pass
		2650	50	0	8.955	/	Pass
15	QPSK	2562.5	75	0	13.430	/	Pass
		2605	75	0	13.429	/	Pass
		2647.5	75	0	13.466	/	Pass
	16QAM	2562.5	75	0	13.459	/	Pass
		2605	75	0	13.448	/	Pass
		2647.5	75	0	13.485	/	Pass
20	QPSK	2565	100	0	17.873	/	Pass
		2605	100	0	17.895	/	Pass
		2645	100	0	17.875	/	Pass
	16QAM	2565	100	0	17.864	/	Pass
		2605	100	0	17.913	/	Pass
		2645	100	0	17.878	/	Pass

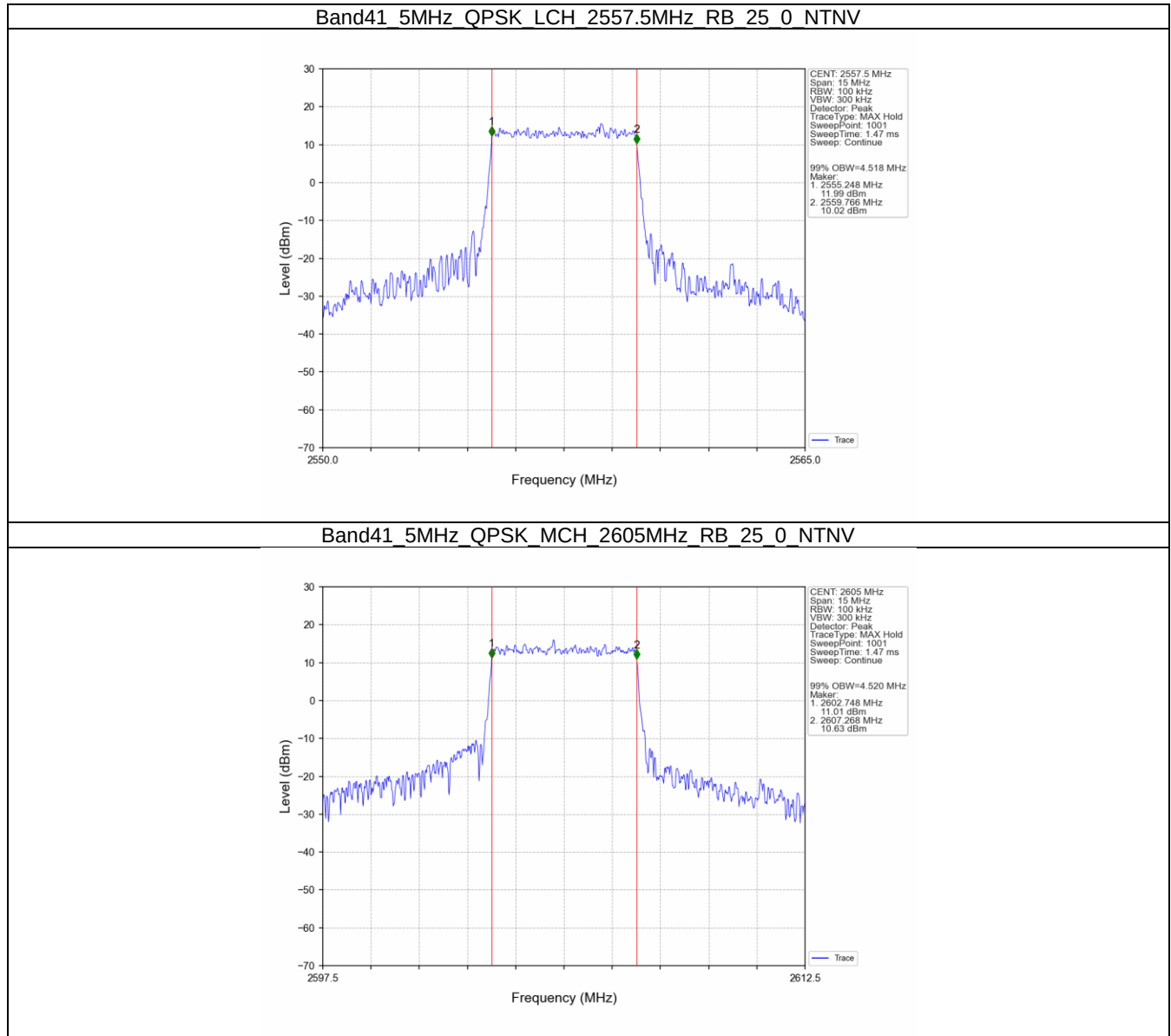
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.981	/	Pass
		2605	25	0	4.998	/	Pass
		2652.5	25	0	5.337	/	Pass
	16QAM	2557.5	25	0	5.000	/	Pass
		2605	25	0	4.960	/	Pass
		2652.5	25	0	4.972	/	Pass
10	QPSK	2560	50	0	9.607	/	Pass
		2605	50	0	9.734	/	Pass
		2650	50	0	9.678	/	Pass
	16QAM	2560	50	0	10.118	/	Pass
		2605	50	0	9.557	/	Pass
		2650	50	0	9.557	/	Pass
15	QPSK	2562.5	75	0	14.499	/	Pass
		2605	75	0	14.486	/	Pass
		2647.5	75	0	14.509	/	Pass
	16QAM	2562.5	75	0	14.938	/	Pass
		2605	75	0	14.335	/	Pass
		2647.5	75	0	14.475	/	Pass
20	QPSK	2565	100	0	19.057	/	Pass

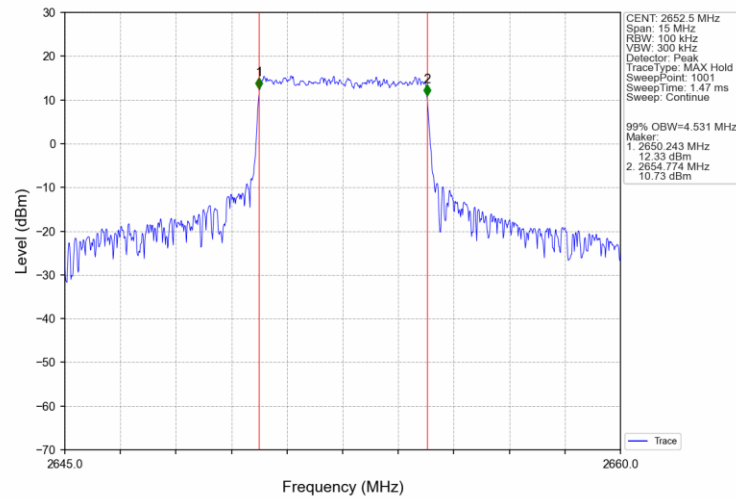
		2605	100	0	18.882	/	Pass
		2645	100	0	19.151	/	Pass
	16QAM	2565	100	0	18.830	/	Pass
		2605	100	0	19.688	/	Pass
		2645	100	0	18.984	/	Pass

4.2 Test Graph

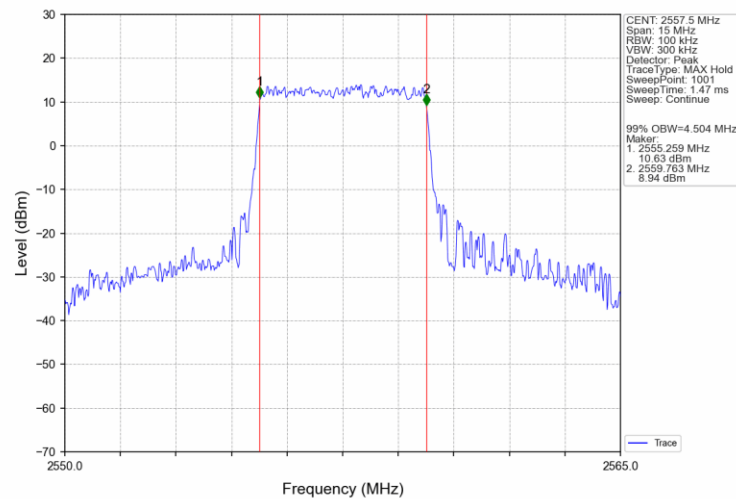
4.2.1 Band41_OBW



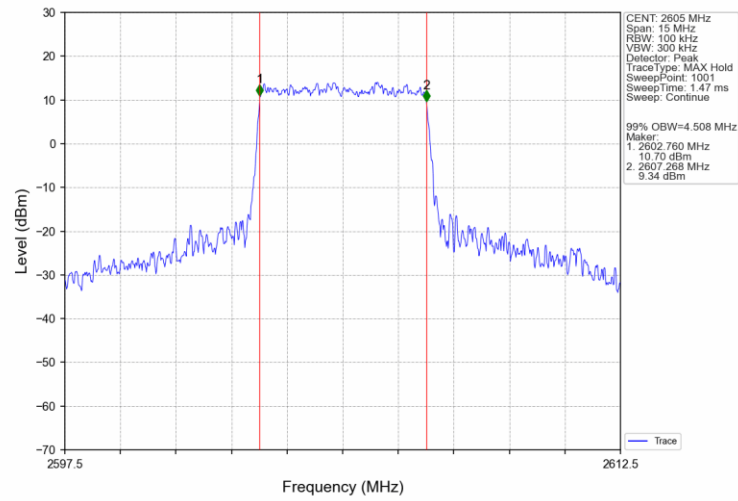
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



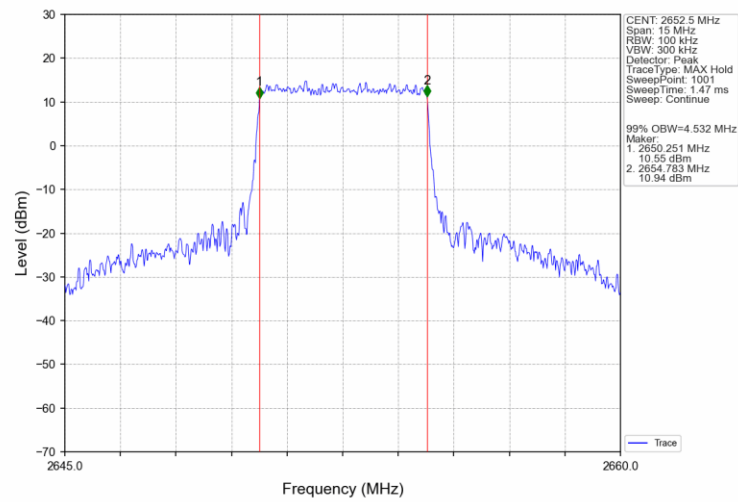
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



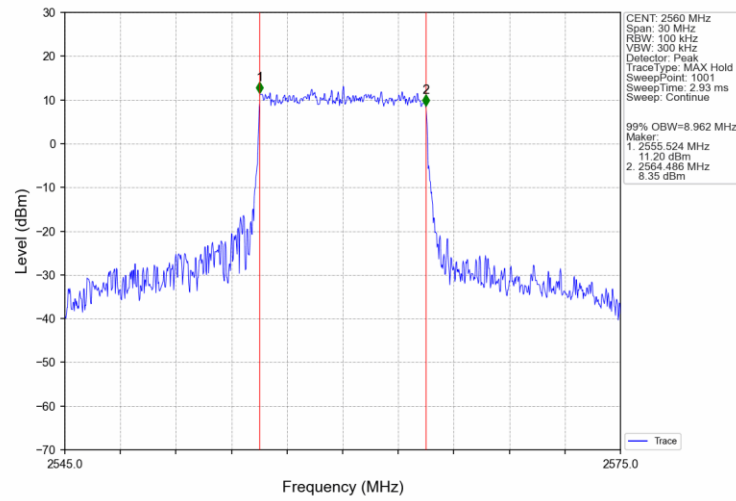
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



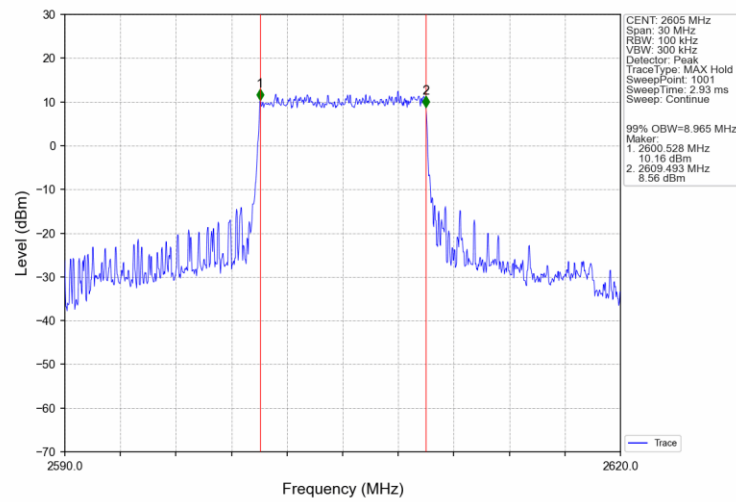
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



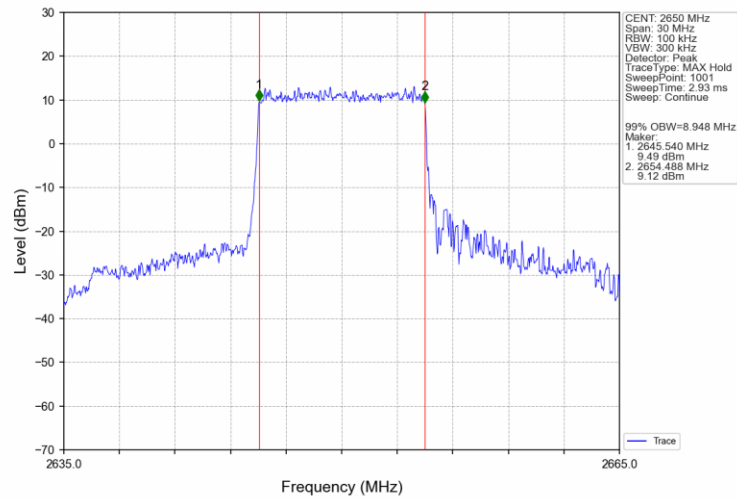
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



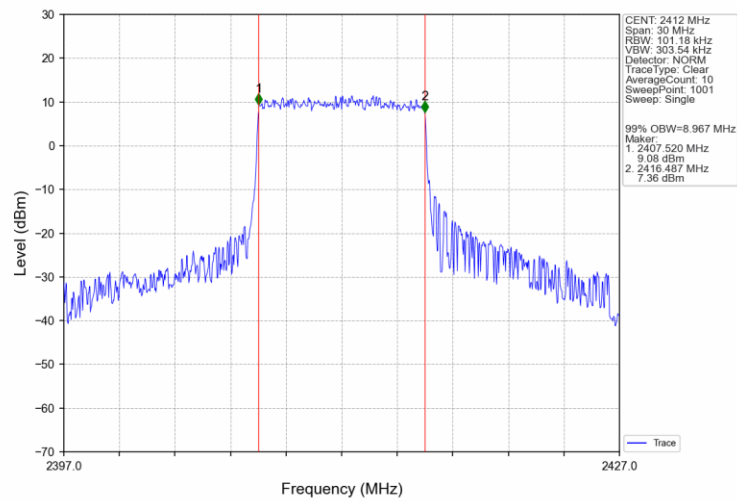
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



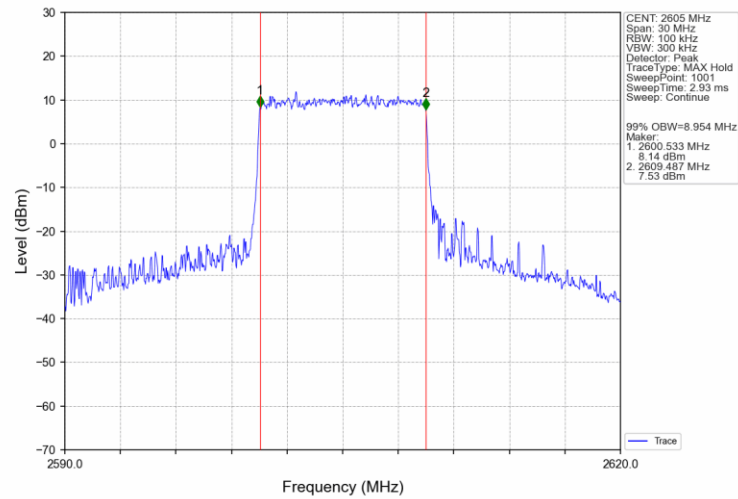
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



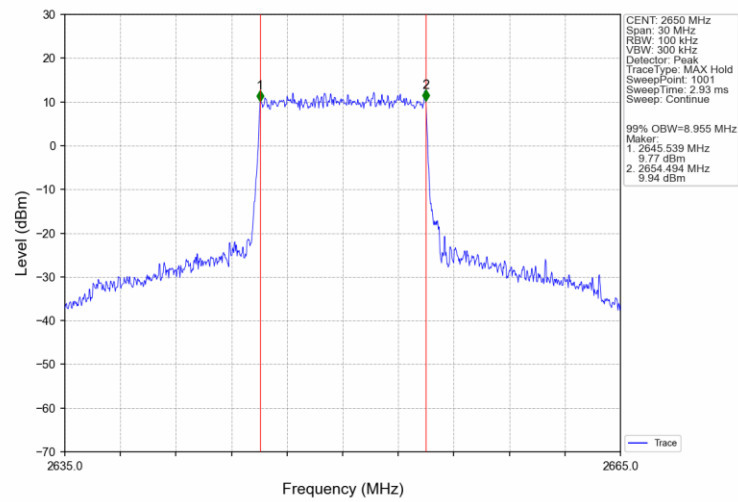
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



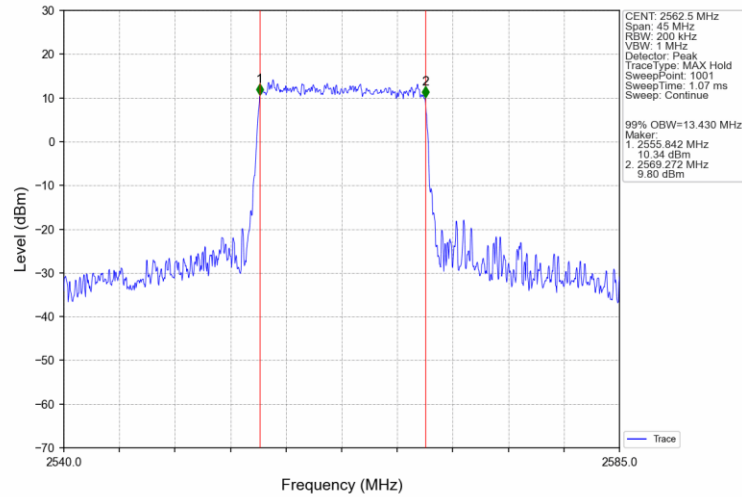
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



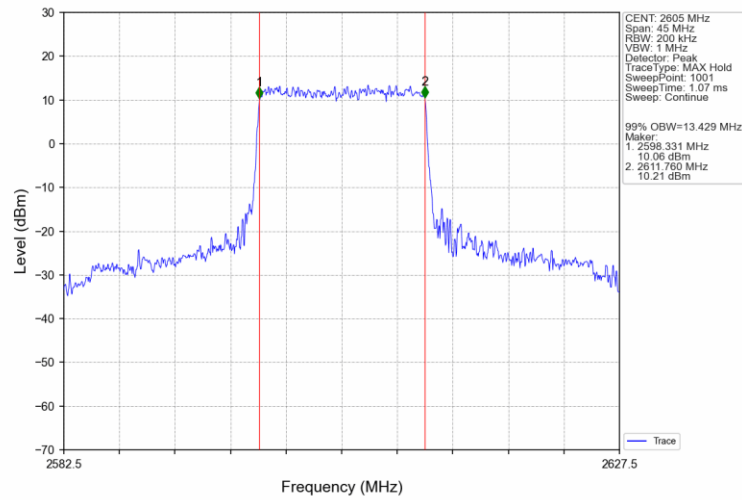
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



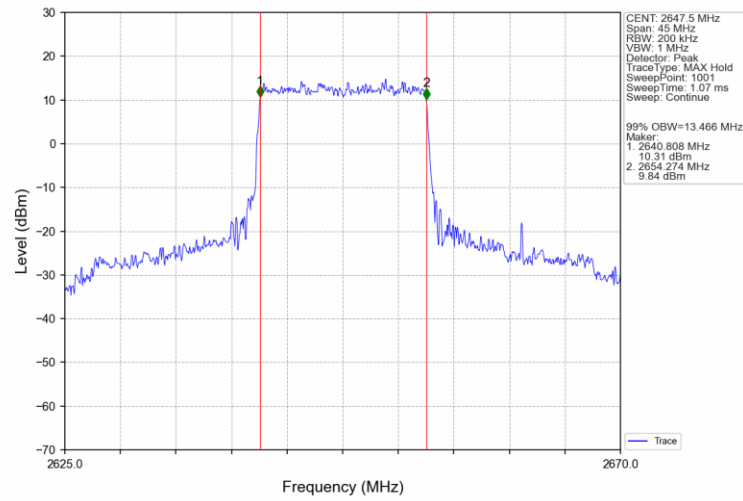
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



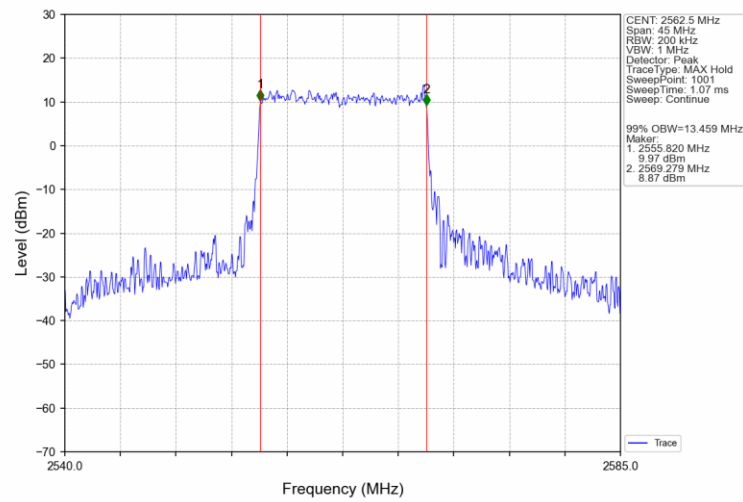
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



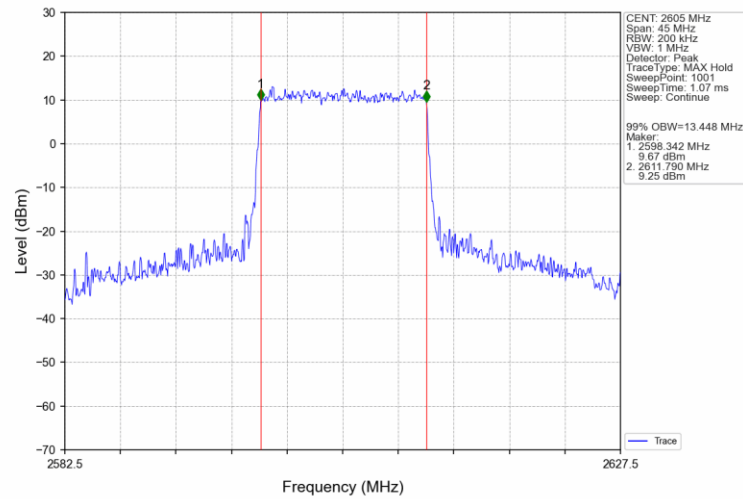
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



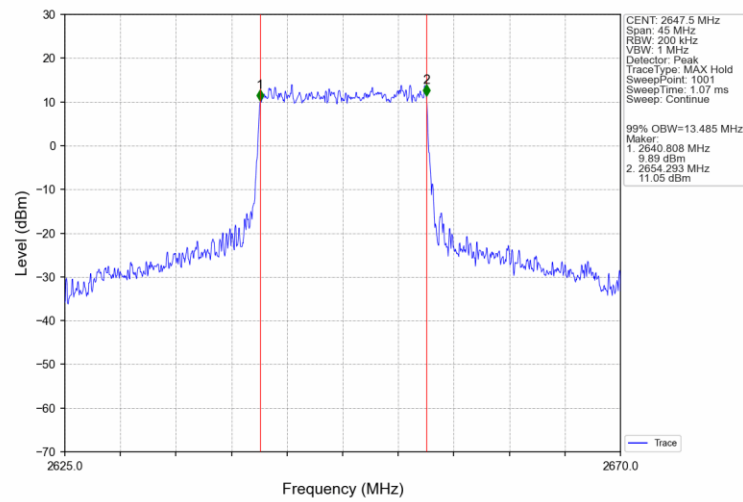
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



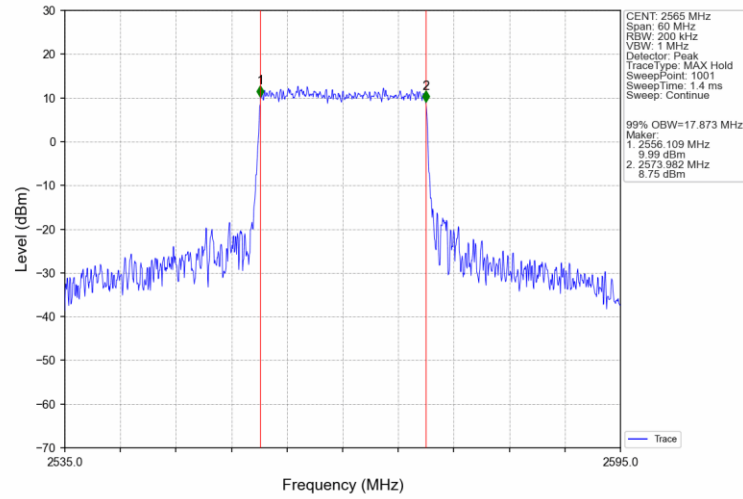
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



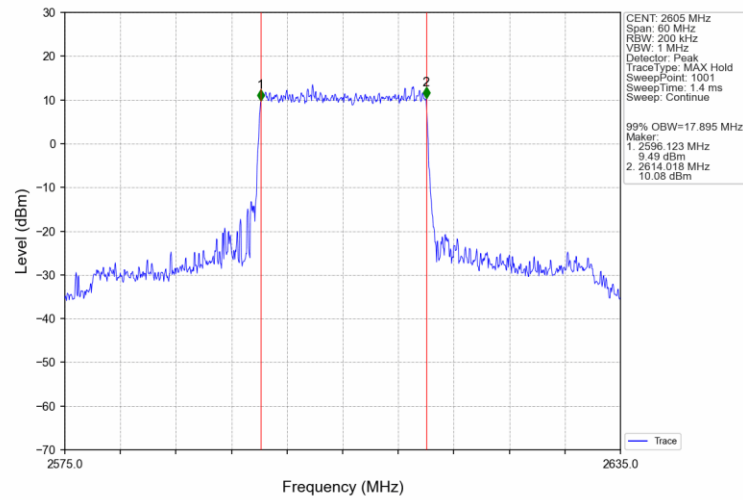
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



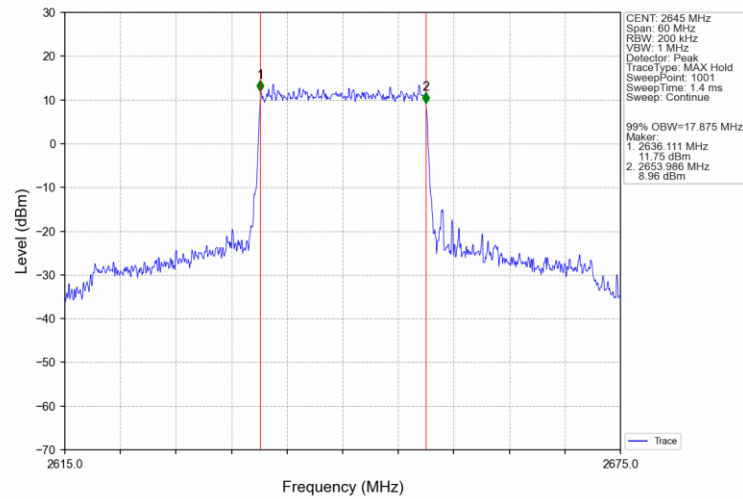
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



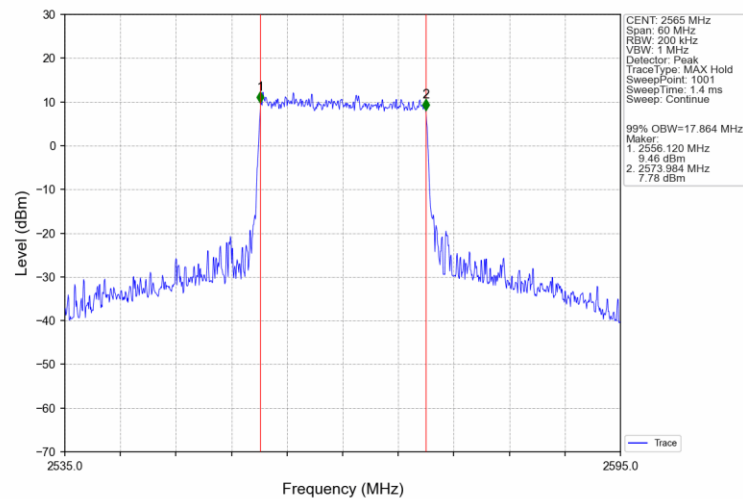
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



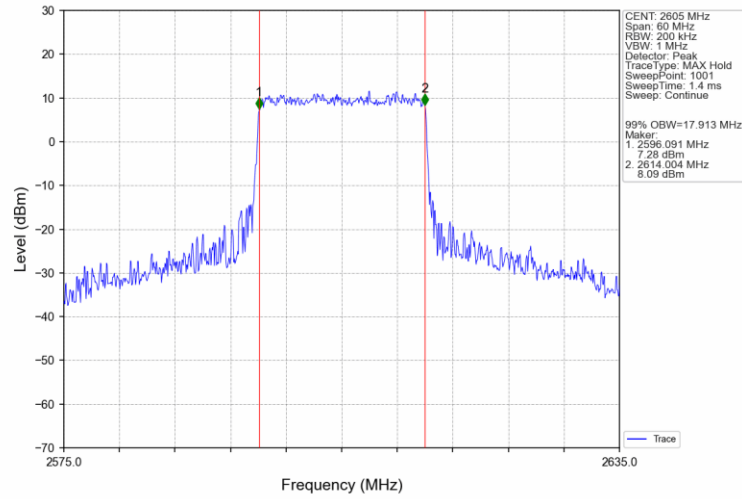
Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



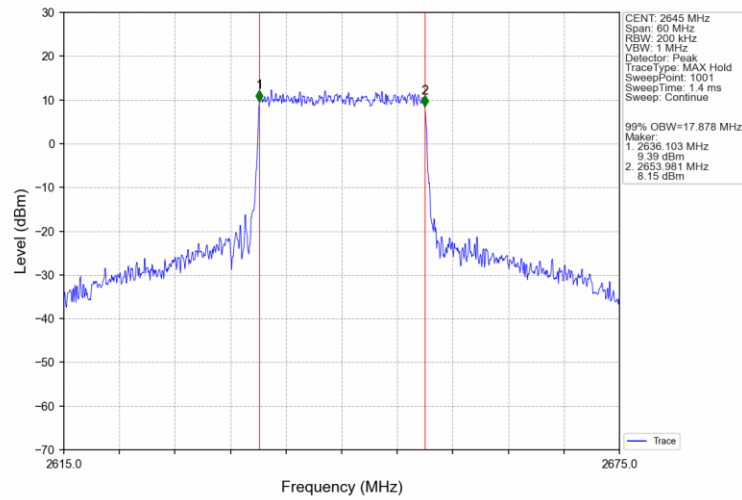
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



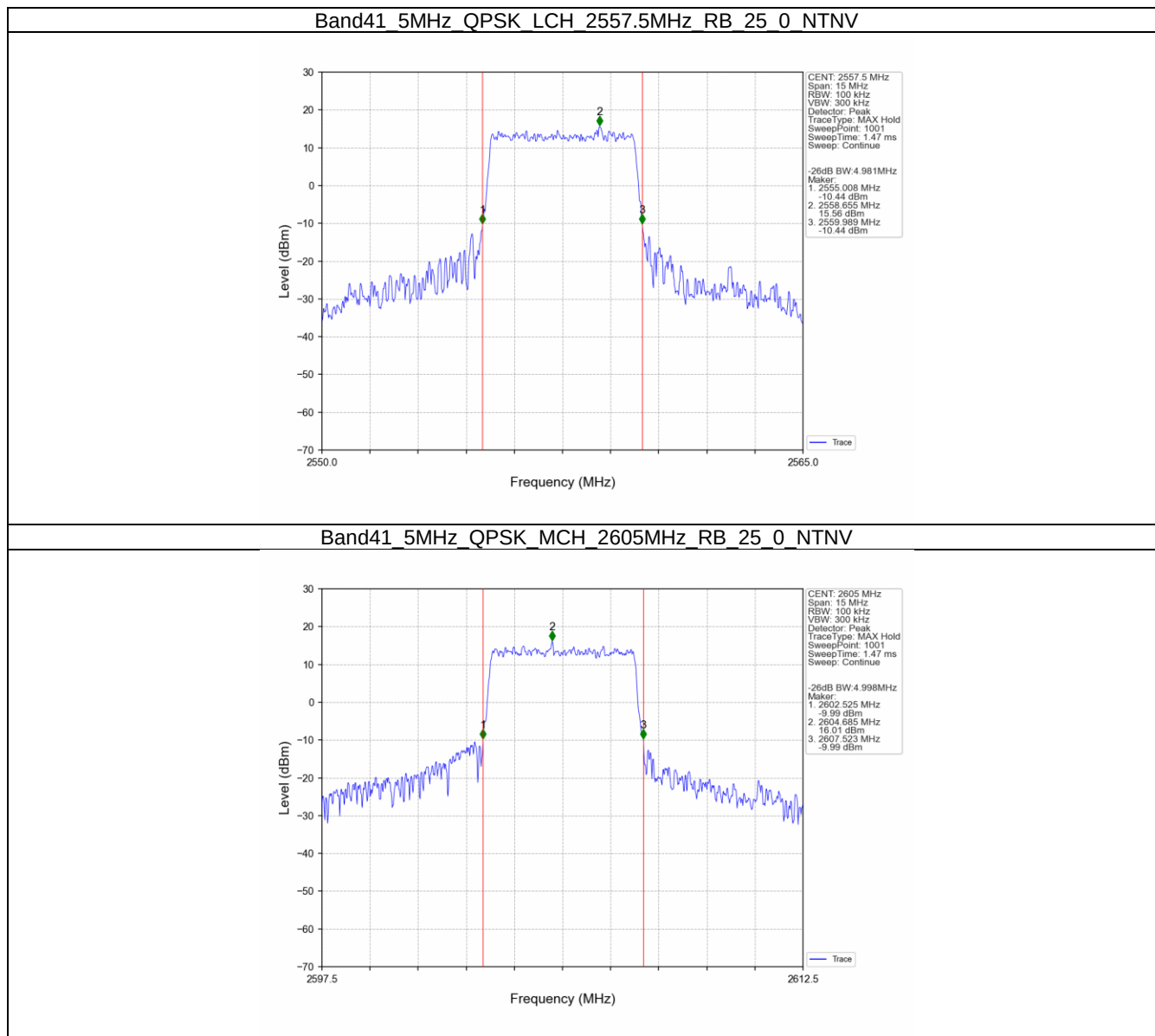
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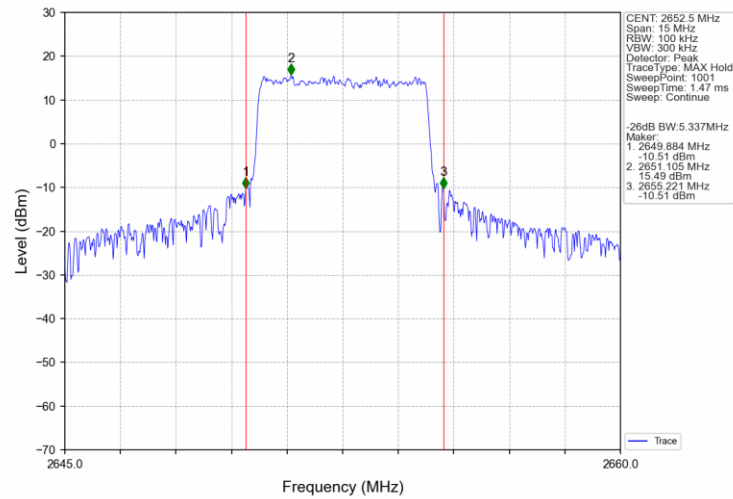
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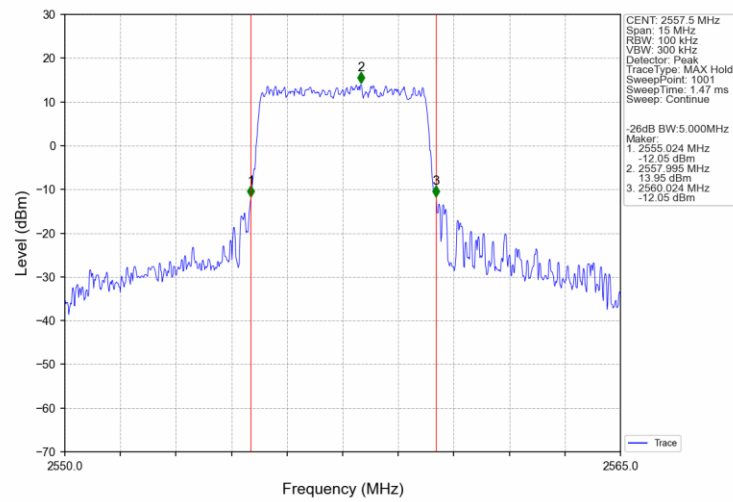
4.2.2 Band41_XDB



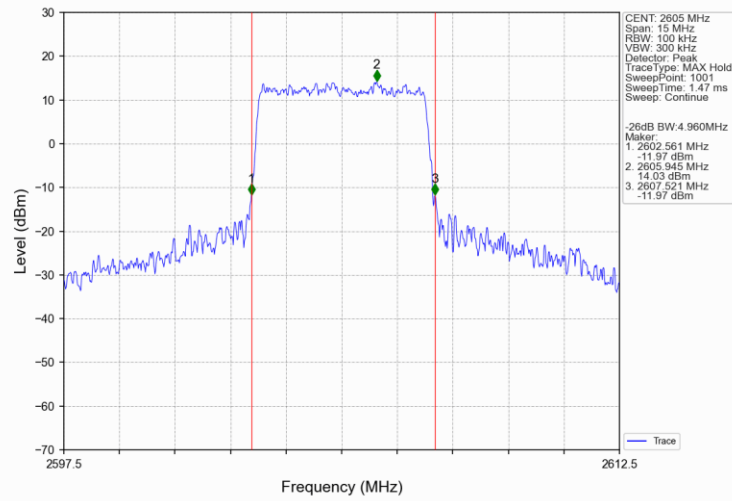
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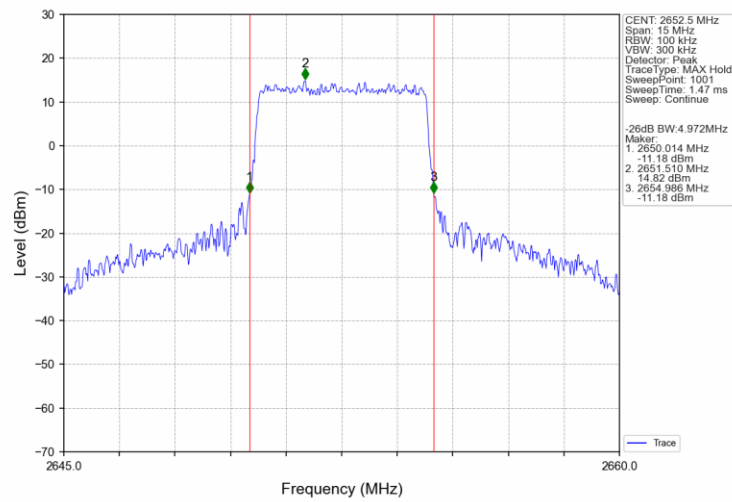
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



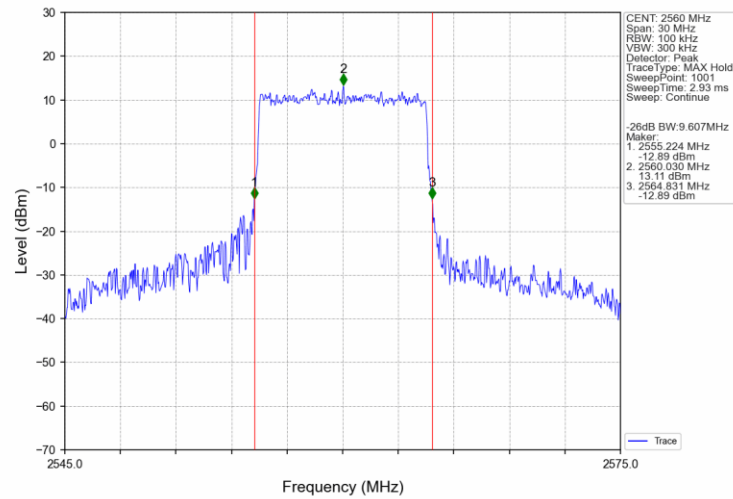
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



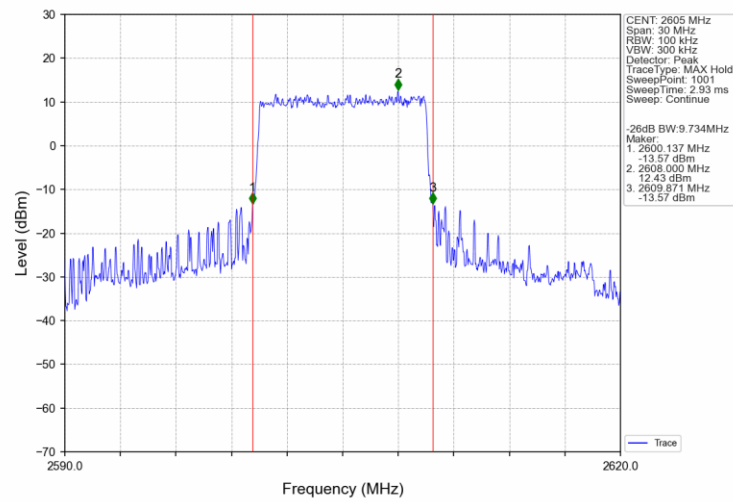
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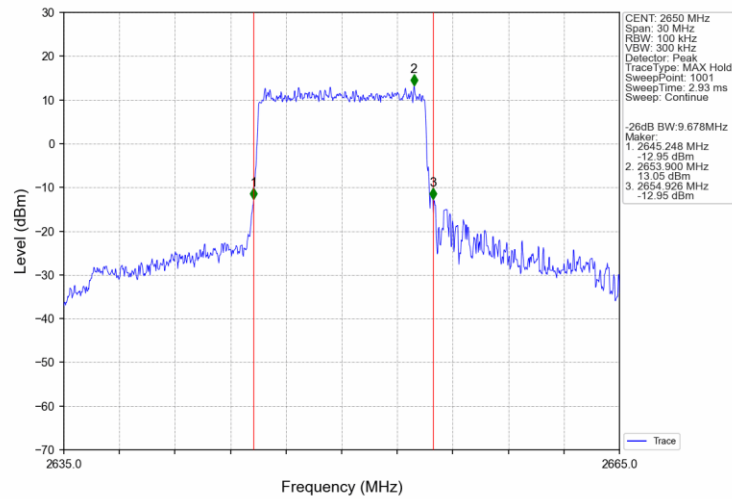
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



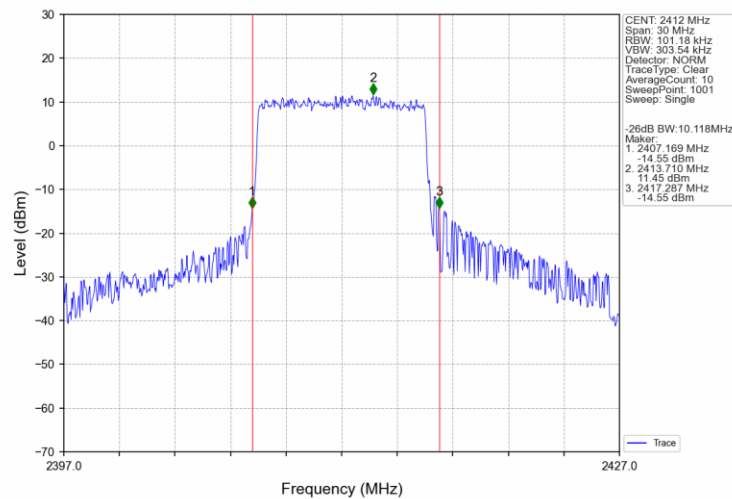
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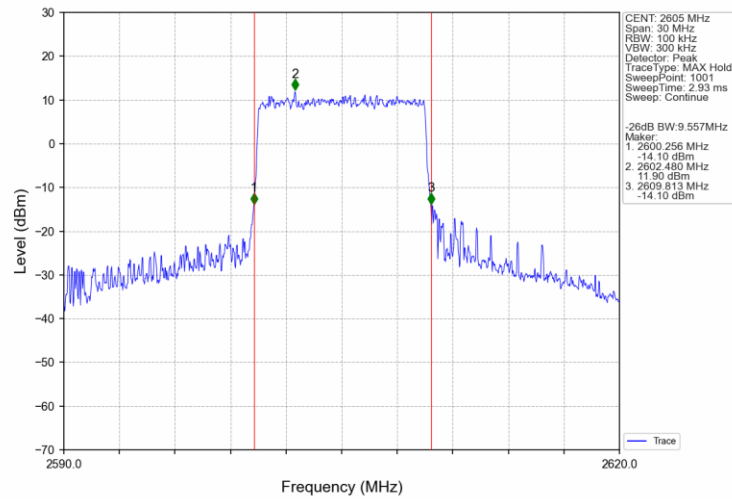
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



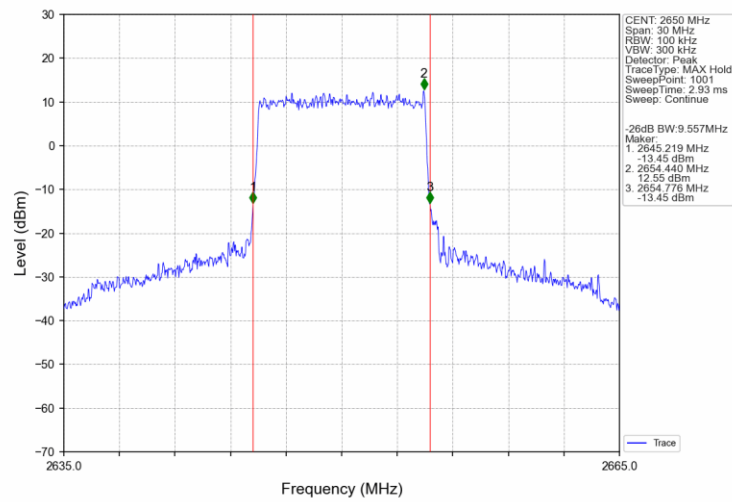
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



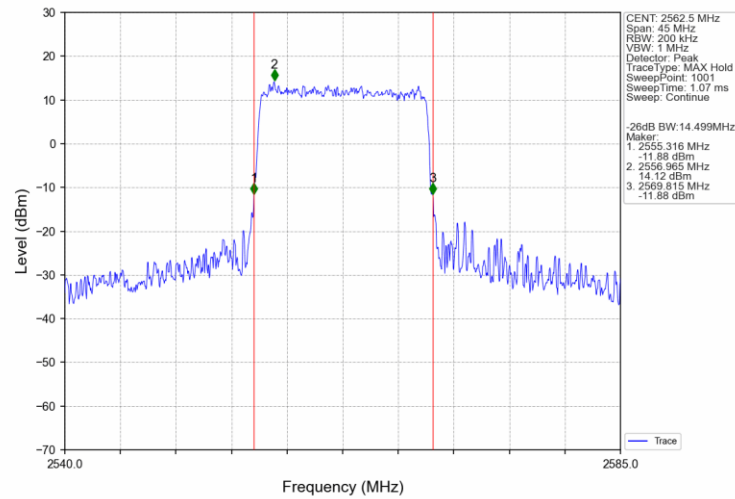
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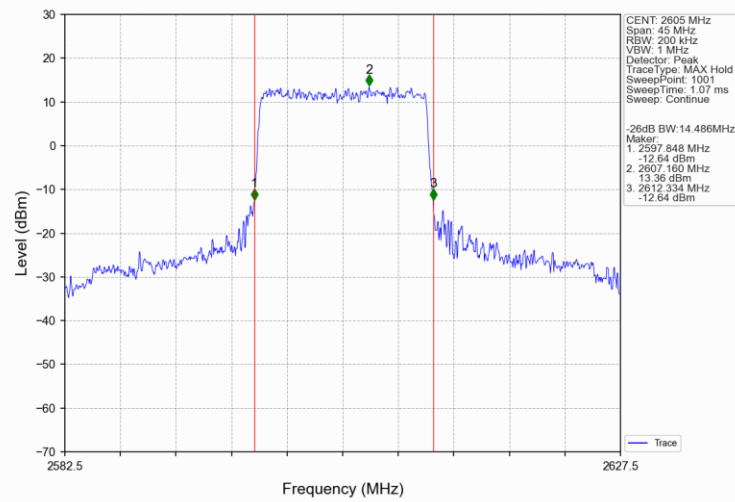
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



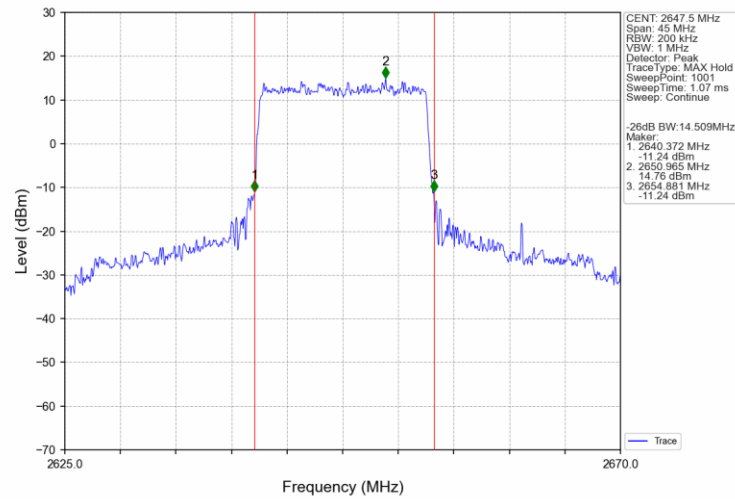
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



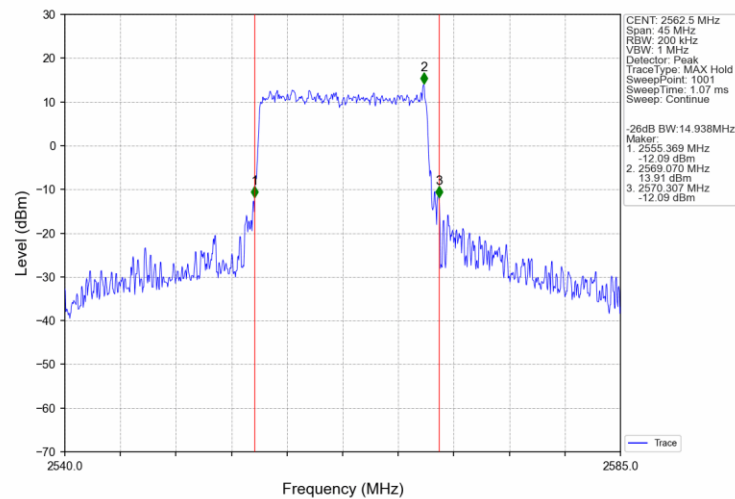
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



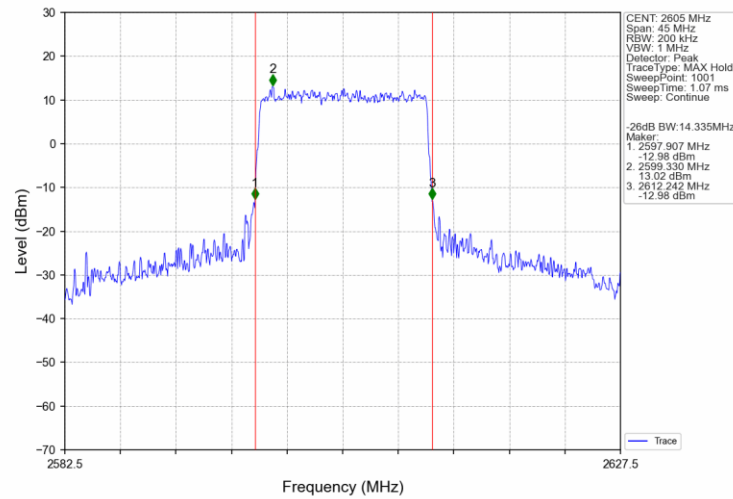
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



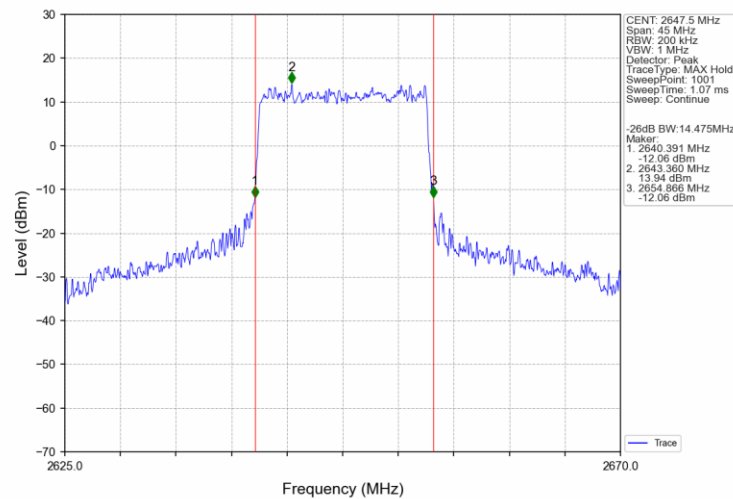
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



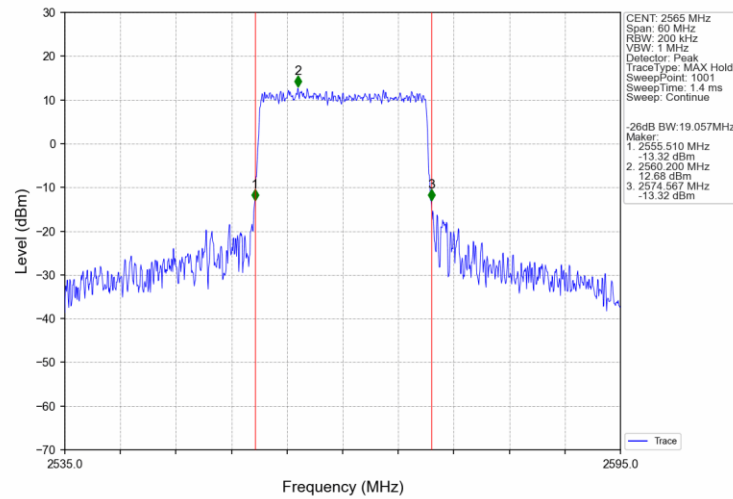
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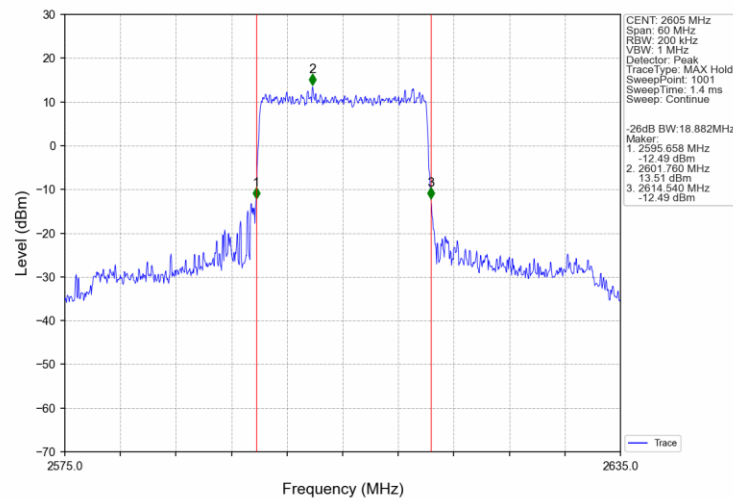
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



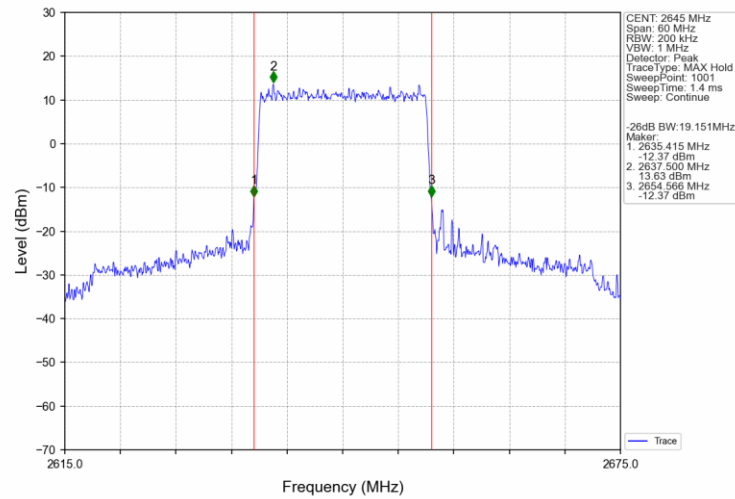
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



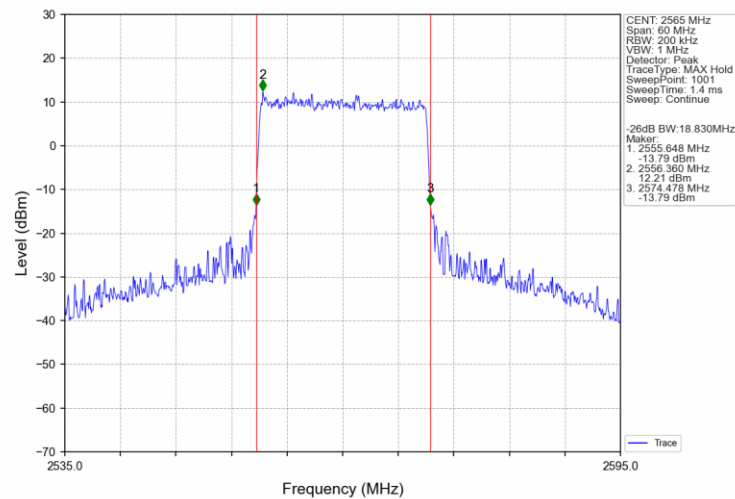
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



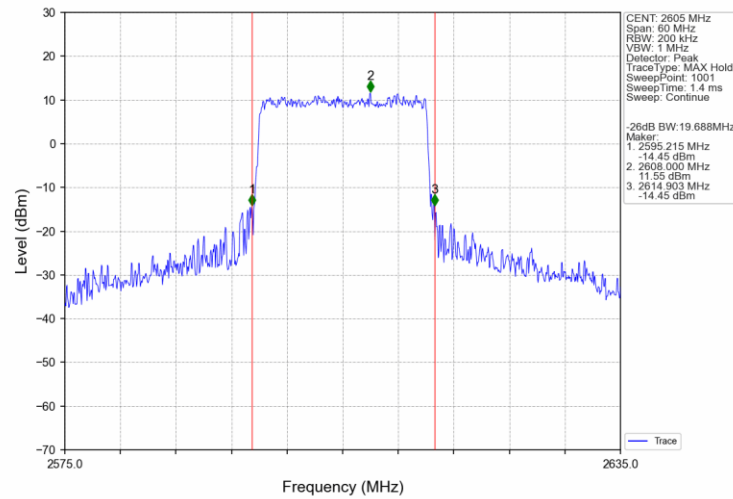
Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



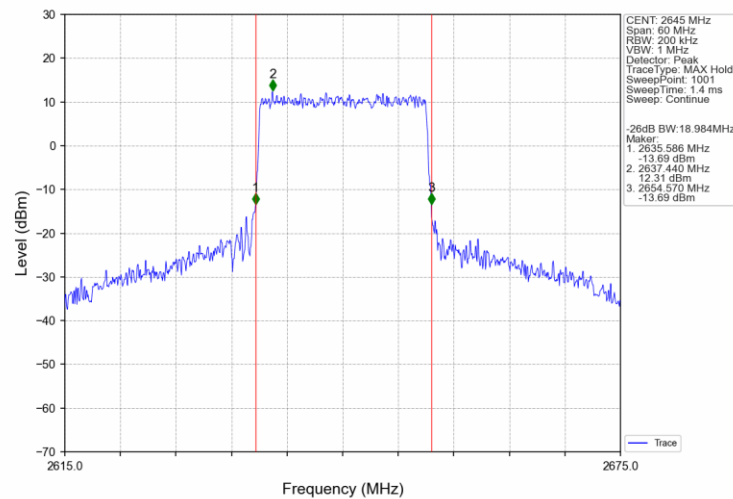
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



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	7.66	<=13	Pass
	2605	25	0	7.21	<=13	Pass
	2652.5	25	0	7.26	<=13	Pass
16QAM	2557.5	25	0	8.28	<=13	Pass
	2605	25	0	8.02	<=13	Pass
	2652.5	25	0	7.93	<=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	7.55	<=13	Pass
	2605	50	0	7.33	<=13	Pass
	2650	50	0	7.14	<=13	Pass
16QAM	2560	50	0	8.49	<=13	Pass
	2605	50	0	7.93	<=13	Pass
	2650	50	0	7.96	<=13	Pass

5.1.3 B41_15MHz

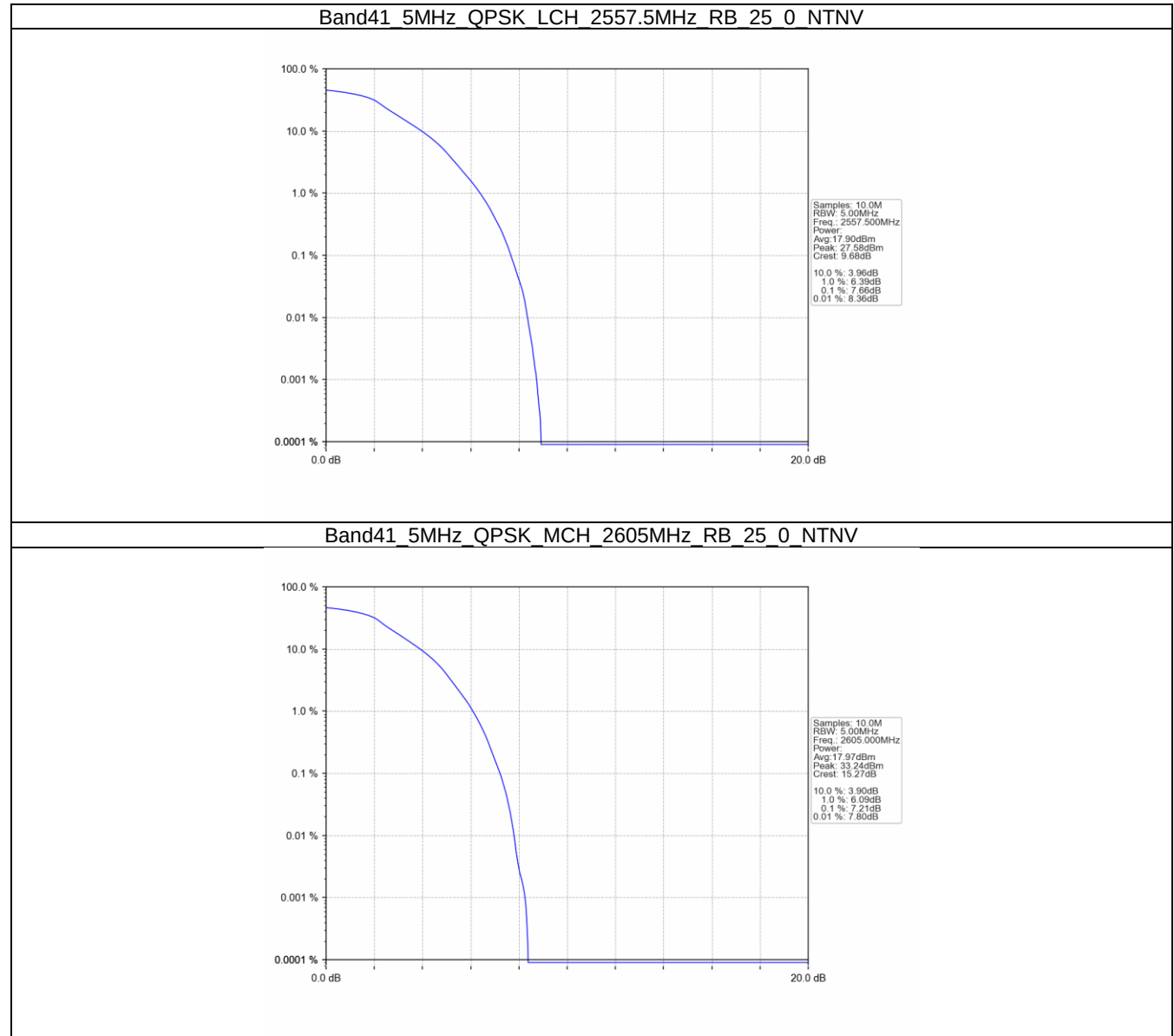
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	75	0	7.01	<=13	Pass
	2605	75	0	7.32	<=13	Pass
	2647.5	75	0	6.97	<=13	Pass
16QAM	2562.5	75	0	8.34	<=13	Pass
	2605	75	0	8.04	<=13	Pass
	2647.5	75	0	8.10	<=13	Pass

5.1.4 B41_20MHz

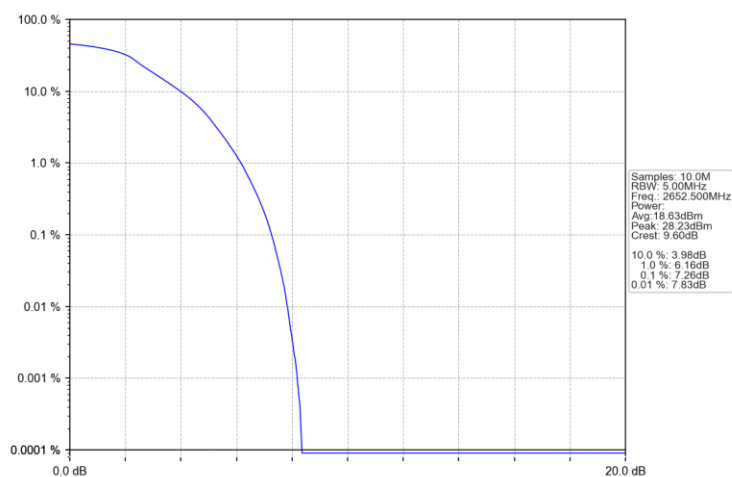
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.70	<=13	Pass
	2605	100	0	7.89	<=13	Pass
	2645	100	0	7.67	<=13	Pass
16QAM	2565	100	0	8.59	<=13	Pass
	2605	100	0	8.50	<=13	Pass
	2645	100	0	8.67	<=13	Pass

5.2 Test Graph

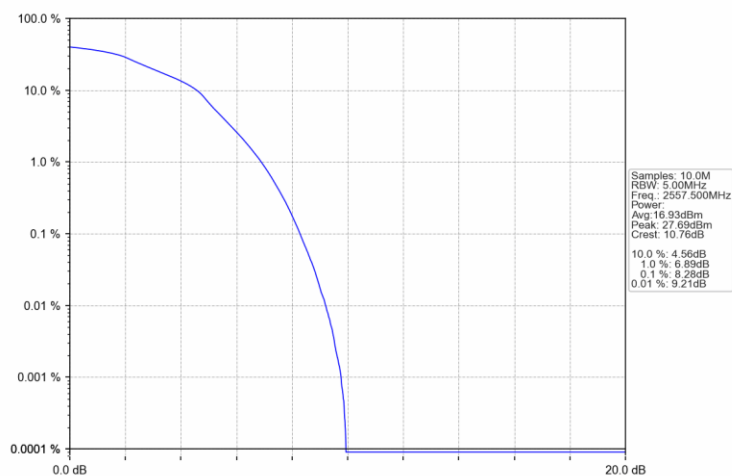
5.2.1 B41_5MHz



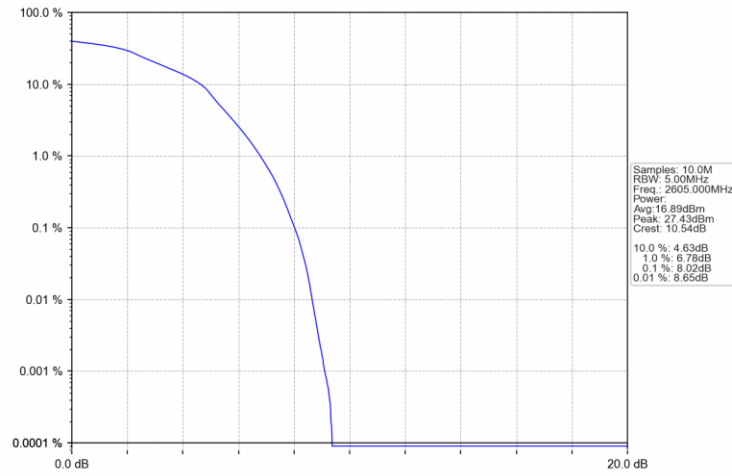
Band41 5MHz QPSK HCH 2652.5MHz RB 25 0 NTNV



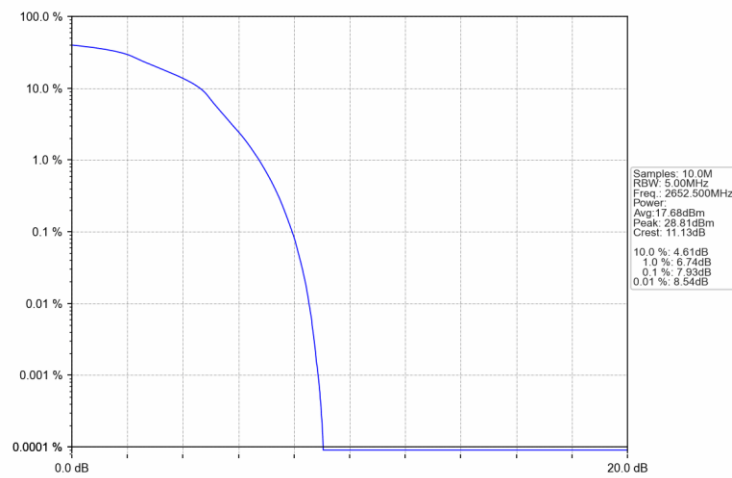
Band41 5MHz 16QAM LCH 2557.5MHz RB 25 0 NTNV



Band41 5MHz 16QAM MCH 2605MHz RB 25 0 NTNV

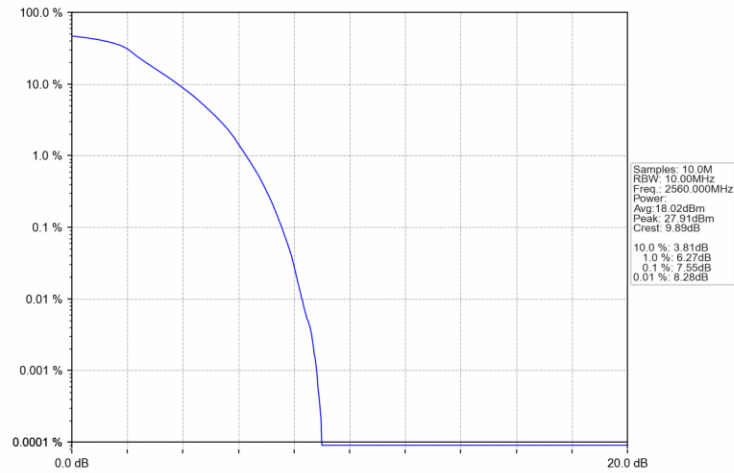


Band41 5MHz 16QAM HCH 2652.5MHz RB 25 0 NTNV

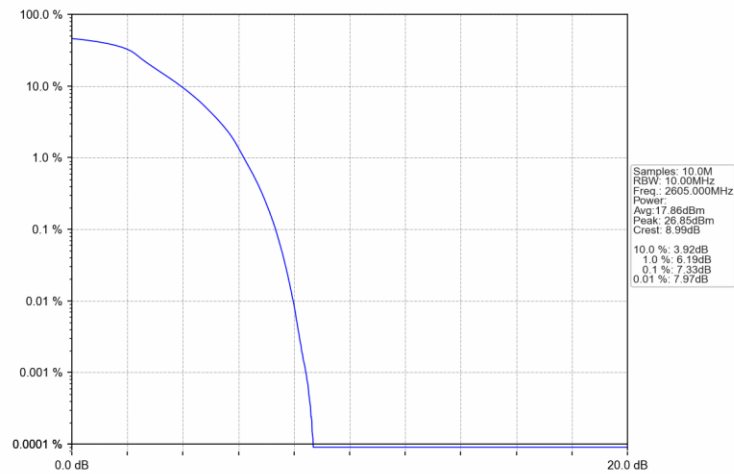


5.2.2 B41_10MHz

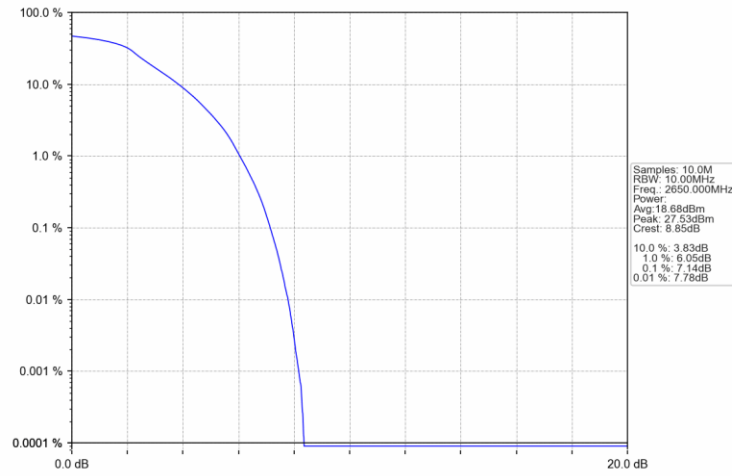
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



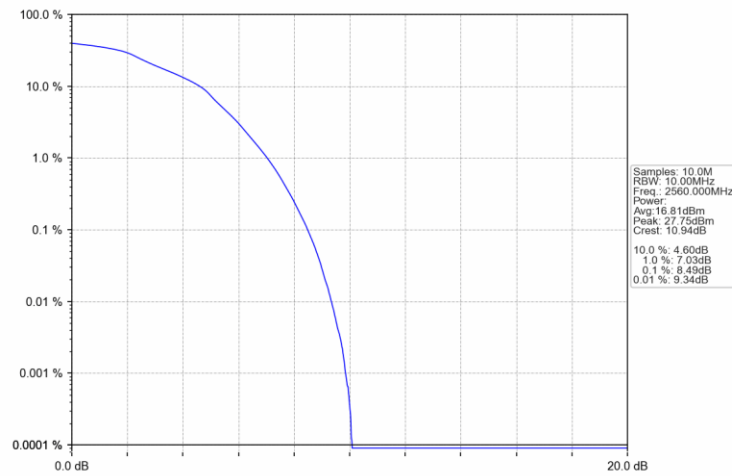
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



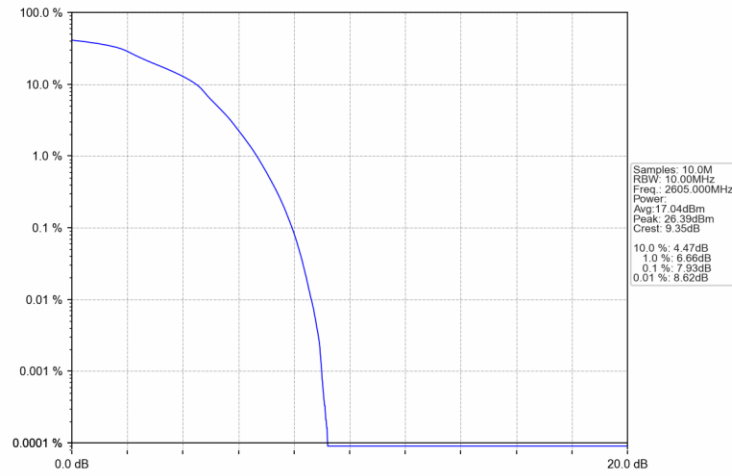
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



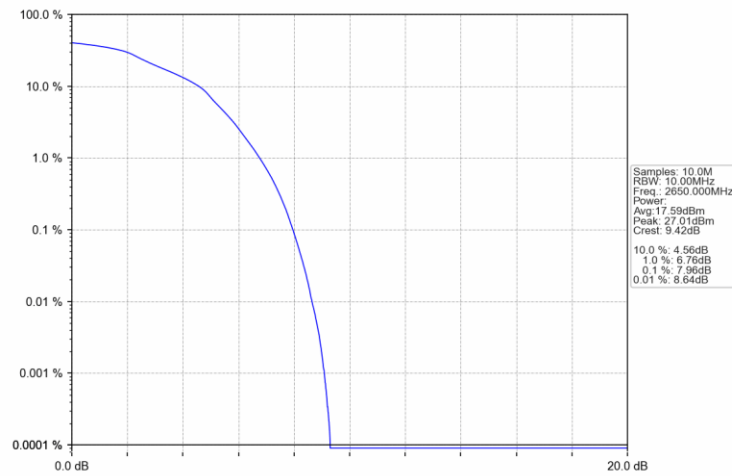
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTNV

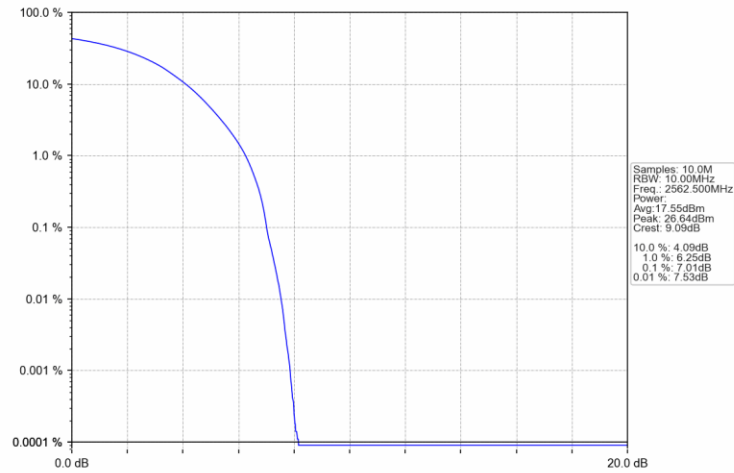


Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV

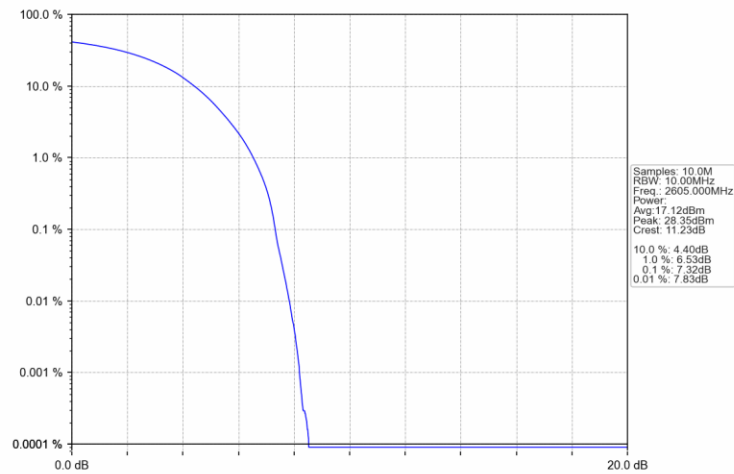


5.2.3 B41_15MHz

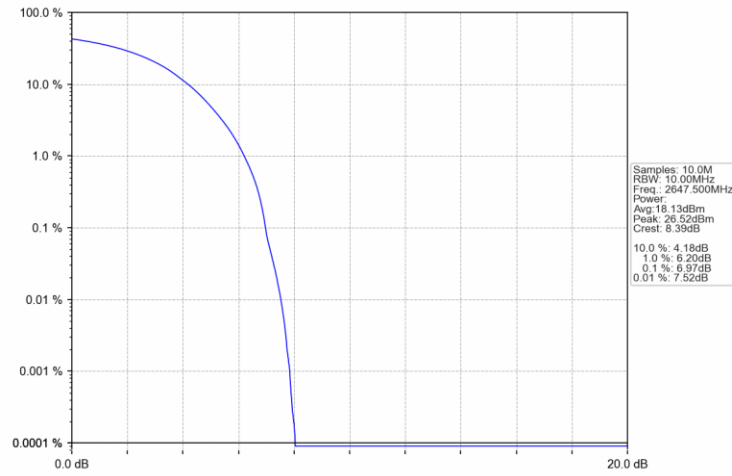
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



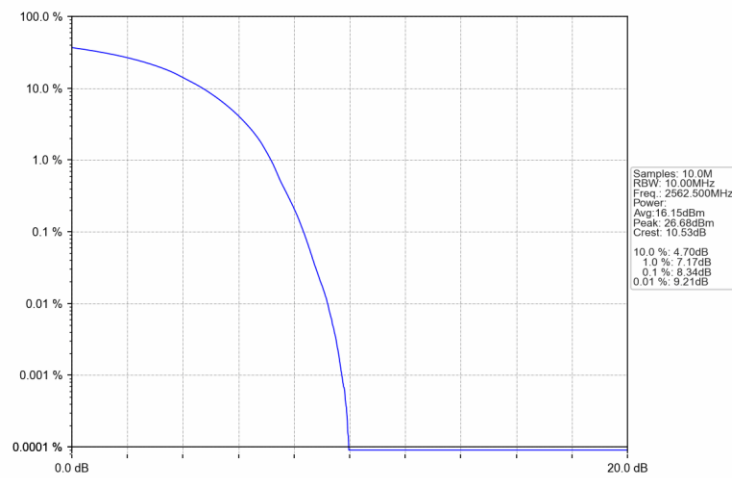
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



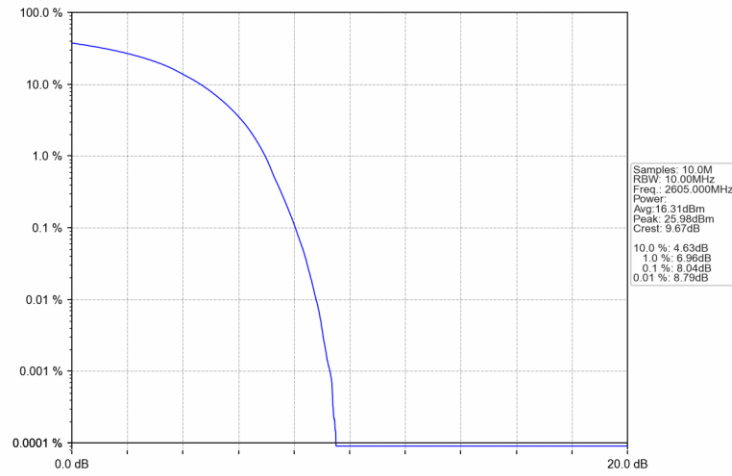
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



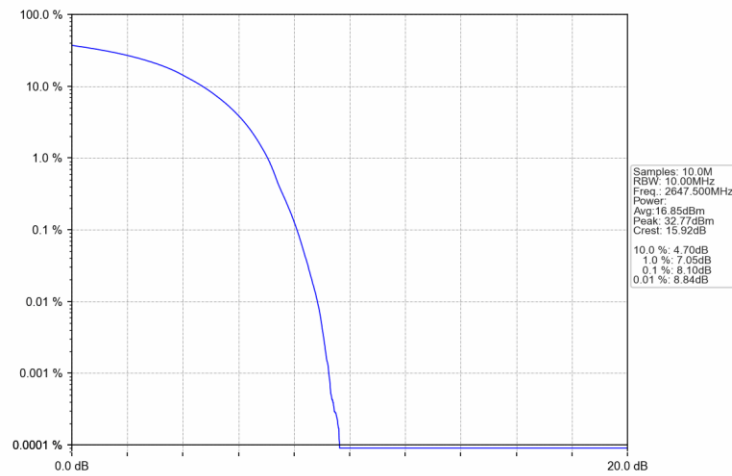
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



5.2.4 B41_20MHz

