

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	19.58	0.58	20.16	<=33.01	Pass
			13	19.59	0.58	20.17	<=33.01	Pass
			24	19.66	0.58	20.24	<=33.01	Pass
		12	0	18.62	0.58	19.20	<=33.01	Pass
			6	18.58	0.58	19.16	<=33.01	Pass
			13	18.56	0.58	19.14	<=33.01	Pass
		25	0	18.64	0.58	19.22	<=33.01	Pass
	2605	1	0	19.29	0.58	19.87	<=33.01	Pass
			13	19.43	0.58	20.01	<=33.01	Pass
			24	19.43	0.58	20.01	<=33.01	Pass
		12	0	18.53	0.58	19.11	<=33.01	Pass
			6	18.50	0.58	19.08	<=33.01	Pass
			13	18.58	0.58	19.16	<=33.01	Pass
		25	0	18.58	0.58	19.16	<=33.01	Pass
	2652.5	1	0	20.12	0.58	20.70	<=33.01	Pass
			13	20.11	0.58	20.69	<=33.01	Pass
			24	20.12	0.58	20.70	<=33.01	Pass
		12	0	19.04	0.58	19.62	<=33.01	Pass
			6	19.07	0.58	19.65	<=33.01	Pass
			13	19.16	0.58	19.74	<=33.01	Pass
		25	0	19.10	0.58	19.68	<=33.01	Pass
16QAM	2557.5	1	0	18.77	0.58	19.35	<=33.01	Pass
			13	18.74	0.58	19.32	<=33.01	Pass
			24	19.15	0.58	19.73	<=33.01	Pass
		12	0	17.62	0.58	18.20	<=33.01	Pass
			6	17.50	0.58	18.08	<=33.01	Pass
			13	17.41	0.58	17.99	<=33.01	Pass
		25	0	17.54	0.58	18.12	<=33.01	Pass
	2605	1	0	19.53	0.58	20.11	<=33.01	Pass
			13	19.88	0.58	20.46	<=33.01	Pass
			24	19.66	0.58	20.24	<=33.01	Pass
		12	0	17.28	0.58	17.86	<=33.01	Pass
			6	17.54	0.58	18.12	<=33.01	Pass
			13	17.48	0.58	18.06	<=33.01	Pass
		25	0	17.63	0.58	18.21	<=33.01	Pass
	2652.5	1	0	19.46	0.58	20.04	<=33.01	Pass
			13	19.75	0.58	20.33	<=33.01	Pass
			24	19.58	0.58	20.16	<=33.01	Pass
		12	0	17.94	0.58	18.52	<=33.01	Pass
			6	17.97	0.58	18.55	<=33.01	Pass
			13	18.01	0.58	18.59	<=33.01	Pass
		25	0	18.15	0.58	18.73	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Note1: EIRP=Conducted Power+Antenna Gain

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	19.60	0.58	20.18	<=33.01	Pass
			38	19.68	0.58	20.26	<=33.01	Pass
			74	19.72	0.58	20.30	<=33.01	Pass
		36	0	18.71	0.58	19.29	<=33.01	Pass

16QAM	2605	75	18	18.66	0.58	19.24	<=33.01	Pass
			39	18.69	0.58	19.27	<=33.01	Pass
			0	18.74	0.58	19.32	<=33.01	Pass
		1	0	19.54	0.58	20.12	<=33.01	Pass
			38	19.42	0.58	20.00	<=33.01	Pass
			74	19.44	0.58	20.02	<=33.01	Pass
		36	0	18.57	0.58	19.15	<=33.01	Pass
			18	18.46	0.58	19.04	<=33.01	Pass
			39	18.44	0.58	19.02	<=33.01	Pass
		75	0	18.58	0.58	19.16	<=33.01	Pass
	2647.5	1	0	19.84	0.58	20.42	<=33.01	Pass
			38	19.99	0.58	20.57	<=33.01	Pass
			74	20.10	0.58	20.68	<=33.01	Pass
		36	0	18.97	0.58	19.55	<=33.01	Pass
			18	19.05	0.58	19.63	<=33.01	Pass
			39	19.09	0.58	19.67	<=33.01	Pass
		75	0	19.01	0.58	19.59	<=33.01	Pass
	2562.5	1	0	19.03	0.58	19.61	<=33.01	Pass
			38	19.29	0.58	19.87	<=33.01	Pass
			74	19.37	0.58	19.95	<=33.01	Pass
		36	0	17.72	0.58	18.30	<=33.01	Pass
			18	17.70	0.58	18.28	<=33.01	Pass
			39	17.81	0.58	18.39	<=33.01	Pass
		75	0	17.74	0.58	18.32	<=33.01	Pass
	2605	1	0	18.85	0.58	19.43	<=33.01	Pass
			38	18.84	0.58	19.42	<=33.01	Pass
			74	19.11	0.58	19.69	<=33.01	Pass
		36	0	17.65	0.58	18.23	<=33.01	Pass
			18	17.48	0.58	18.06	<=33.01	Pass
			39	17.73	0.58	18.31	<=33.01	Pass
		75	0	17.62	0.58	18.20	<=33.01	Pass
	2647.5	1	0	20.13	0.58	20.71	<=33.01	Pass
			38	20.31	0.58	20.89	<=33.01	Pass
			74	20.45	0.58	21.03	<=33.01	Pass
		36	0	17.97	0.58	18.55	<=33.01	Pass
			18	18.04	0.58	18.62	<=33.01	Pass
			39	17.99	0.58	18.57	<=33.01	Pass
		75	0	18.13	0.58	18.71	<=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	19.61	0.58	20.19	<=33.01	Pass
			50	19.57	0.58	20.15	<=33.01	Pass
			99	19.59	0.58	20.17	<=33.01	Pass
		50	0	18.67	0.58	19.25	<=33.01	Pass
			25	18.65	0.58	19.23	<=33.01	Pass
			50	18.65	0.58	19.23	<=33.01	Pass
		100	0	18.70	0.58	19.28	<=33.01	Pass
	2605	1	0	19.67	0.58	20.25	<=33.01	Pass
			50	19.45	0.58	20.03	<=33.01	Pass
			99	19.74	0.58	20.32	<=33.01	Pass
		50	0	18.55	0.58	19.13	<=33.01	Pass
			0	18.55	0.58	19.13	<=33.01	Pass

		100	25	18.49	0.58	19.07	<=33.01	Pass
			50	18.48	0.58	19.06	<=33.01	Pass
			0	18.44	0.58	19.02	<=33.01	Pass
	2645	1	0	19.61	0.58	20.19	<=33.01	Pass
			50	19.88	0.58	20.46	<=33.01	Pass
			99	19.94	0.58	20.52	<=33.01	Pass
		50	0	18.78	0.58	19.36	<=33.01	Pass
			25	19.04	0.58	19.62	<=33.01	Pass
			50	18.95	0.58	19.53	<=33.01	Pass
		100	0	19.05	0.58	19.63	<=33.01	Pass
	2565	1	0	19.75	0.58	20.33	<=33.01	Pass
			50	20.18	0.58	20.76	<=33.01	Pass
			99	19.68	0.58	20.26	<=33.01	Pass
		50	0	17.77	0.58	18.35	<=33.01	Pass
			25	17.88	0.58	18.46	<=33.01	Pass
			50	17.98	0.58	18.56	<=33.01	Pass
		100	0	17.79	0.58	18.37	<=33.01	Pass
16QAM	2605	1	0	19.82	0.58	20.40	<=33.01	Pass
			50	19.77	0.58	20.35	<=33.01	Pass
			99	19.76	0.58	20.34	<=33.01	Pass
		50	0	17.77	0.58	18.35	<=33.01	Pass
			25	17.66	0.58	18.24	<=33.01	Pass
			50	17.69	0.58	18.27	<=33.01	Pass
		100	0	17.66	0.58	18.24	<=33.01	Pass
	2645	1	0	19.22	0.58	19.80	<=33.01	Pass
			50	19.24	0.58	19.82	<=33.01	Pass
			99	19.77	0.58	20.35	<=33.01	Pass
		50	0	17.92	0.58	18.50	<=33.01	Pass
			25	18.04	0.58	18.62	<=33.01	Pass
			50	18.24	0.58	18.82	<=33.01	Pass
		100	0	18.05	0.58	18.63	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2557.5	25	0	20	3.27	-22.273	-0.0087	-2.5 to 2.5	Pass
					3.85	-40.412	-0.0158	-2.5 to 2.5	Pass
					4.43	-44.775	-0.0175	-2.5 to 2.5	Pass
				-30	3.85	-29.440	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-38.037	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-37.222	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-33.503	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-43.459	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-34.647	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-27.165	-0.0104	-2.5 to 2.5	Pass
					3.85	-33.717	-0.0129	-2.5 to 2.5	Pass

					4.43	-27.509	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-31.314	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-38.910	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-43.974	-0.0169	-2.5 to 2.5	Pass
				0	3.85	-32.673	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-13.375	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-13.962	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-41.585	-0.0160	-2.5 to 2.5	Pass
				50	3.85	-30.556	-0.0117	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	22.101	0.0083	-2.5 to 2.5	Pass
					3.85	20.657	0.0078	-2.5 to 2.5	Pass
					4.43	43.015	0.0162	-2.5 to 2.5	Pass
				-30	3.85	39.639	0.0149	-2.5 to 2.5	Pass
				-20	3.85	45.762	0.0173	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				0	3.85	34.676	0.0131	-2.5 to 2.5	Pass
				10	3.85	45.533	0.0172	-2.5 to 2.5	Pass
				30	3.85	1.974	0.0007	-2.5 to 2.5	Pass
				40	3.85	33.131	0.0125	-2.5 to 2.5	Pass
				50	3.85	10.886	0.0041	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	-41.842	-0.0164	-2.5 to 2.5	Pass
					3.85	-40.126	-0.0157	-2.5 to 2.5	Pass
					4.43	-14.391	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-10.028	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-35.691	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-36.507	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-29.082	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-36.578	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-19.727	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-17.152	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-30.527	-0.0119	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-21.429	-0.0082	-2.5 to 2.5	Pass
					3.85	-43.988	-0.0169	-2.5 to 2.5	Pass
					4.43	-24.776	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-25.692	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	3.104	0.0012	-2.5 to 2.5	Pass
				-10	3.85	6.394	0.0025	-2.5 to 2.5	Pass
				0	3.85	-26.608	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-37.208	-0.0143	-2.5 to 2.5	Pass
				30	3.85	5.894	0.0023	-2.5 to 2.5	Pass
				40	3.85	-18.954	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-40.712	-0.0156	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	38.123	0.0144	-2.5 to 2.5	Pass
					3.85	19.183	0.0072	-2.5 to 2.5	Pass
					4.43	47.908	0.0181	-2.5 to 2.5	Pass
				-30	3.85	9.055	0.0034	-2.5 to 2.5	Pass
				-20	3.85	27.051	0.0102	-2.5 to 2.5	Pass
				-10	3.85	47.693	0.0180	-2.5 to 2.5	Pass
				0	3.85	23.046	0.0087	-2.5 to 2.5	Pass
				10	3.85	21.830	0.0082	-2.5 to 2.5	Pass
				30	3.85	27.738	0.0105	-2.5 to 2.5	Pass
				40	3.85	34.690	0.0131	-2.5 to 2.5	Pass
				50	3.85	3.204	0.0012	-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	26.937	0.0105	-2.5 to 2.5	Pass
					3.85	-15.664	-0.0061	-2.5 to 2.5	Pass
					4.43	-38.795	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-38.438	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-32.187	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-31.772	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-26.050	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-13.204	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-21.915	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-46.964	-0.0183	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	22.845	0.0088	-2.5 to 2.5	Pass
					3.85	-37.651	-0.0145	-2.5 to 2.5	Pass
					4.43	-30.770	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-29.197	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-35.849	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-36.120	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-30.112	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-38.023	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-39.997	-0.0154	-2.5 to 2.5	Pass
				40	3.85	-18.983	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-8.841	-0.0034	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	6.595	0.0025	-2.5 to 2.5	Pass
					3.85	40.326	0.0152	-2.5 to 2.5	Pass
					4.43	40.727	0.0154	-2.5 to 2.5	Pass
				-30	3.85	20.170	0.0076	-2.5 to 2.5	Pass
				-20	3.85	25.878	0.0098	-2.5 to 2.5	Pass
				-10	3.85	43.130	0.0163	-2.5 to 2.5	Pass
				0	3.85	33.145	0.0125	-2.5 to 2.5	Pass
				10	3.85	27.967	0.0106	-2.5 to 2.5	Pass
				30	3.85	3.734	0.0014	-2.5 to 2.5	Pass
				40	3.85	37.866	0.0143	-2.5 to 2.5	Pass
				50	3.85	16.379	0.0062	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.27	-34.833	-0.0136	-2.5 to 2.5	Pass
					3.85	-45.161	-0.0176	-2.5 to 2.5	Pass
					4.43	-38.753	-0.0151	-2.5 to 2.5	Pass
				-30	3.85	-31.586	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-34.704	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-35.434	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-45.419	-0.0177	-2.5 to 2.5	Pass
				10	3.85	9.670	0.0038	-2.5 to 2.5	Pass
				30	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-11.415	-0.0045	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-47.364	-0.0182	-2.5 to 2.5	Pass
					3.85	-11.644	-0.0045	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-8.569	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-9.441	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-12.288	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-25.206	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-32.101	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-35.963	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-42.014	-0.0161	-2.5 to 2.5	Pass
				50	3.85	-29.740	-0.0114	-2.5 to 2.5	Pass

	2650	50	0	20	3.27	30.999	0.0117	-2.5 to 2.5	Pass
					3.85	21.787	0.0082	-2.5 to 2.5	Pass
					4.43	13.790	0.0052	-2.5 to 2.5	Pass
				-30	3.85	45.490	0.0172	-2.5 to 2.5	Pass
				-20	3.85	22.531	0.0085	-2.5 to 2.5	Pass
				-10	3.85	9.227	0.0035	-2.5 to 2.5	Pass
				0	3.85	22.788	0.0086	-2.5 to 2.5	Pass
				10	3.85	21.057	0.0079	-2.5 to 2.5	Pass
				30	3.85	5.922	0.0022	-2.5 to 2.5	Pass
				40	3.85	8.941	0.0034	-2.5 to 2.5	Pass
				50	3.85	37.737	0.0142	-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	35.906	0.0140	-2.5 to 2.5	Pass
					3.85	20.556	0.0080	-2.5 to 2.5	Pass
					4.43	-36.678	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-28.396	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-40.197	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-27.423	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-39.639	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-46.721	-0.0182	-2.5 to 2.5	Pass
				30	3.85	-23.432	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-28.224	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-30.141	-0.0118	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	14.248	0.0055	-2.5 to 2.5	Pass
					3.85	-38.481	-0.0148	-2.5 to 2.5	Pass
					4.43	-41.056	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-27.566	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-38.495	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-28.653	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-31.371	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-36.278	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-25.005	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-33.660	-0.0129	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	33.374	0.0126	-2.5 to 2.5	Pass
					3.85	25.048	0.0095	-2.5 to 2.5	Pass
					4.43	20.370	0.0077	-2.5 to 2.5	Pass
				-30	3.85	29.426	0.0111	-2.5 to 2.5	Pass
				-20	3.85	27.967	0.0106	-2.5 to 2.5	Pass
				-10	3.85	2.904	0.0011	-2.5 to 2.5	Pass
				0	3.85	42.243	0.0160	-2.5 to 2.5	Pass
				10	3.85	19.541	0.0074	-2.5 to 2.5	Pass
				30	3.85	11.129	0.0042	-2.5 to 2.5	Pass
				40	3.85	25.520	0.0096	-2.5 to 2.5	Pass
				50	3.85	18.525	0.0070	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	-30.384	-0.0119	-2.5 to 2.5	Pass
					3.85	-32.430	-0.0127	-2.5 to 2.5	Pass
					4.43	-22.159	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-10.328	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	12.832	0.0050	-2.5 to 2.5	Pass
				-10	3.85	20.971	0.0082	-2.5 to 2.5	Pass

				0	3.85	26.250	0.0102	-2.5 to 2.5	Pass
				10	3.85	27.308	0.0107	-2.5 to 2.5	Pass
				30	3.85	41.614	0.0162	-2.5 to 2.5	Pass
				40	3.85	5.350	0.0021	-2.5 to 2.5	Pass
				50	3.85	-3.905	-0.0015	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	0.830	0.0003	-2.5 to 2.5	Pass
					3.85	-25.663	-0.0099	-2.5 to 2.5	Pass
					4.43	-23.704	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-22.745	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-19.341	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-27.938	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-37.565	-0.0144	-2.5 to 2.5	Pass
				10	3.85	6.151	0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-23.861	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-26.793	-0.0103	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	19.941	0.0075	-2.5 to 2.5	Pass
					3.85	12.860	0.0049	-2.5 to 2.5	Pass
					4.43	11.358	0.0043	-2.5 to 2.5	Pass
				-30	3.85	12.317	0.0047	-2.5 to 2.5	Pass
				-20	3.85	22.144	0.0084	-2.5 to 2.5	Pass
				-10	3.85	39.382	0.0149	-2.5 to 2.5	Pass
				0	3.85	10.386	0.0039	-2.5 to 2.5	Pass
				10	3.85	25.606	0.0097	-2.5 to 2.5	Pass
				30	3.85	35.162	0.0133	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0008	-2.5 to 2.5	Pass
				50	3.85	21.472	0.0081	-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	29.497	0.0115	-2.5 to 2.5	Pass
					3.85	-19.126	-0.0075	-2.5 to 2.5	Pass
					4.43	-29.783	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-44.131	-0.0172	-2.5 to 2.5	Pass
				-20	3.85	-46.835	-0.0183	-2.5 to 2.5	Pass
				-10	3.85	-6.766	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-33.460	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-38.052	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-37.737	-0.0147	-2.5 to 2.5	Pass
				40	3.85	-25.620	-0.0100	-2.5 to 2.5	Pass
				50	3.85	6.981	0.0027	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	2.804	0.0011	-2.5 to 2.5	Pass
					3.85	-25.320	-0.0097	-2.5 to 2.5	Pass
					4.43	-27.838	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-27.437	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-30.556	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-13.518	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-20.356	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-8.469	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-30.899	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-38.781	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-39.110	-0.0150	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	29.840	0.0113	-2.5 to 2.5	Pass

					3.85	23.489	0.0089	-2.5 to 2.5	Pass
					4.43	40.040	0.0151	-2.5 to 2.5	Pass
				-30	3.85	17.152	0.0065	-2.5 to 2.5	Pass
				-20	3.85	23.446	0.0089	-2.5 to 2.5	Pass
				-10	3.85	25.005	0.0095	-2.5 to 2.5	Pass
				0	3.85	26.464	0.0100	-2.5 to 2.5	Pass
				10	3.85	-1.416	-0.0005	-2.5 to 2.5	Pass
				30	3.85	18.125	0.0069	-2.5 to 2.5	Pass
				40	3.85	41.313	0.0156	-2.5 to 2.5	Pass
				50	3.85	17.452	0.0066	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	-1.373	-0.0005	-2.5 to 2.5	Pass
					3.85	6.166	0.0024	-2.5 to 2.5	Pass
					4.43	20.714	0.0081	-2.5 to 2.5	Pass
				-30	3.85	40.841	0.0159	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	23.146	0.0090	-2.5 to 2.5	Pass
				0	3.85	33.317	0.0130	-2.5 to 2.5	Pass
				10	3.85	26.636	0.0104	-2.5 to 2.5	Pass
				30	3.85	45.018	0.0176	-2.5 to 2.5	Pass
				40	3.85	39.067	0.0152	-2.5 to 2.5	Pass
	50	3.85	19.584	0.0076	-2.5 to 2.5	Pass			
	2605	100	0	20	3.27	-26.150	-0.0100	-2.5 to 2.5	Pass
					3.85	-28.124	-0.0108	-2.5 to 2.5	Pass
					4.43	-21.243	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-4.263	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-14.148	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-9.499	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-17.123	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-25.921	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-45.075	-0.0173	-2.5 to 2.5	Pass
	50	3.85	-24.934	-0.0096	-2.5 to 2.5	Pass			
	2645	100	0	20	3.27	34.933	0.0132	-2.5 to 2.5	Pass
					3.85	7.110	0.0027	-2.5 to 2.5	Pass
					4.43	9.656	0.0037	-2.5 to 2.5	Pass
				-30	3.85	29.612	0.0112	-2.5 to 2.5	Pass
				-20	3.85	21.687	0.0082	-2.5 to 2.5	Pass
				-10	3.85	33.889	0.0128	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				10	3.85	18.096	0.0068	-2.5 to 2.5	Pass
30				3.85	40.584	0.0153	-2.5 to 2.5	Pass	
40				3.85	20.828	0.0079	-2.5 to 2.5	Pass	
50	3.85	36.607	0.0138	-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		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 / NTVN						
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

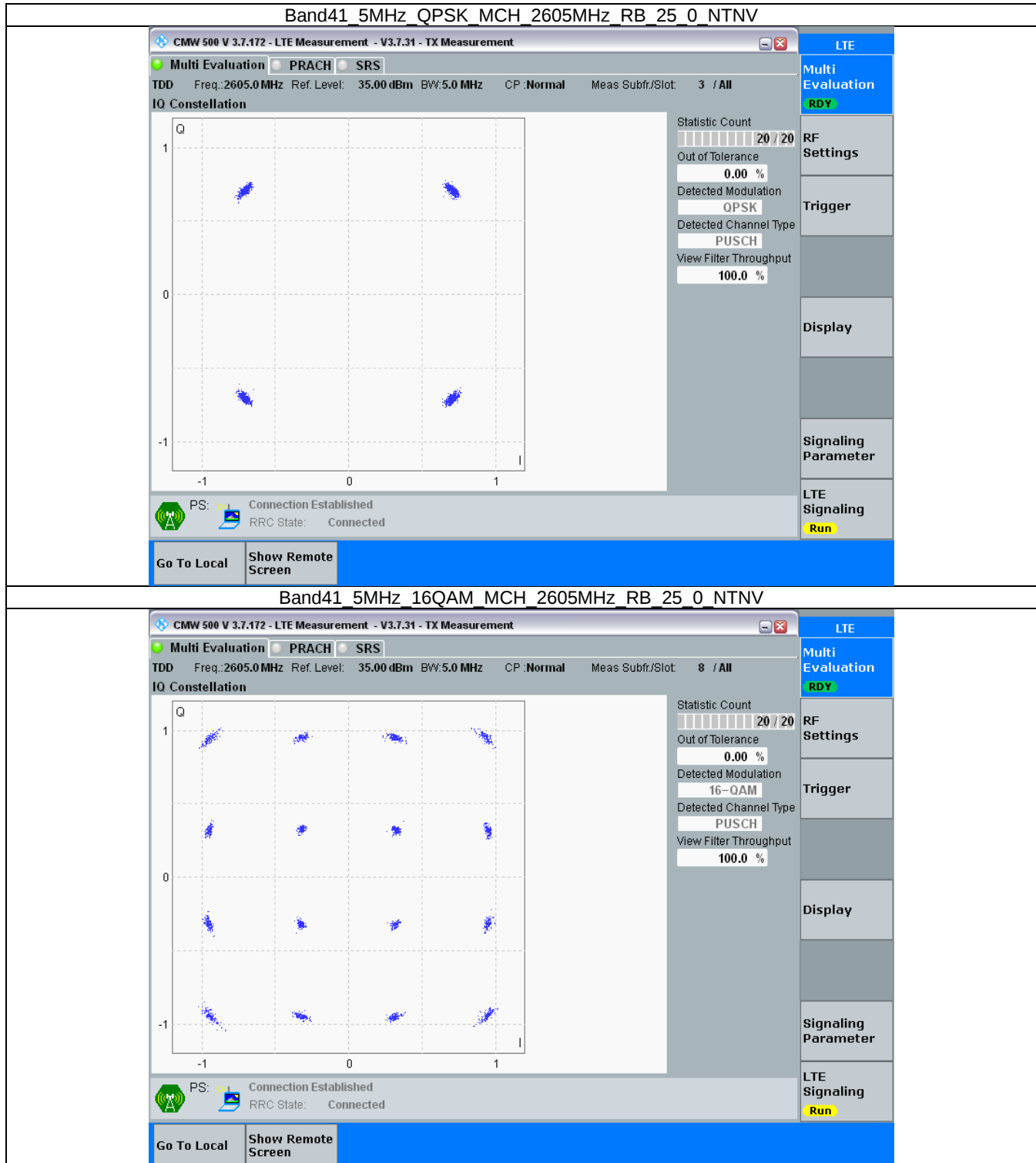
Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

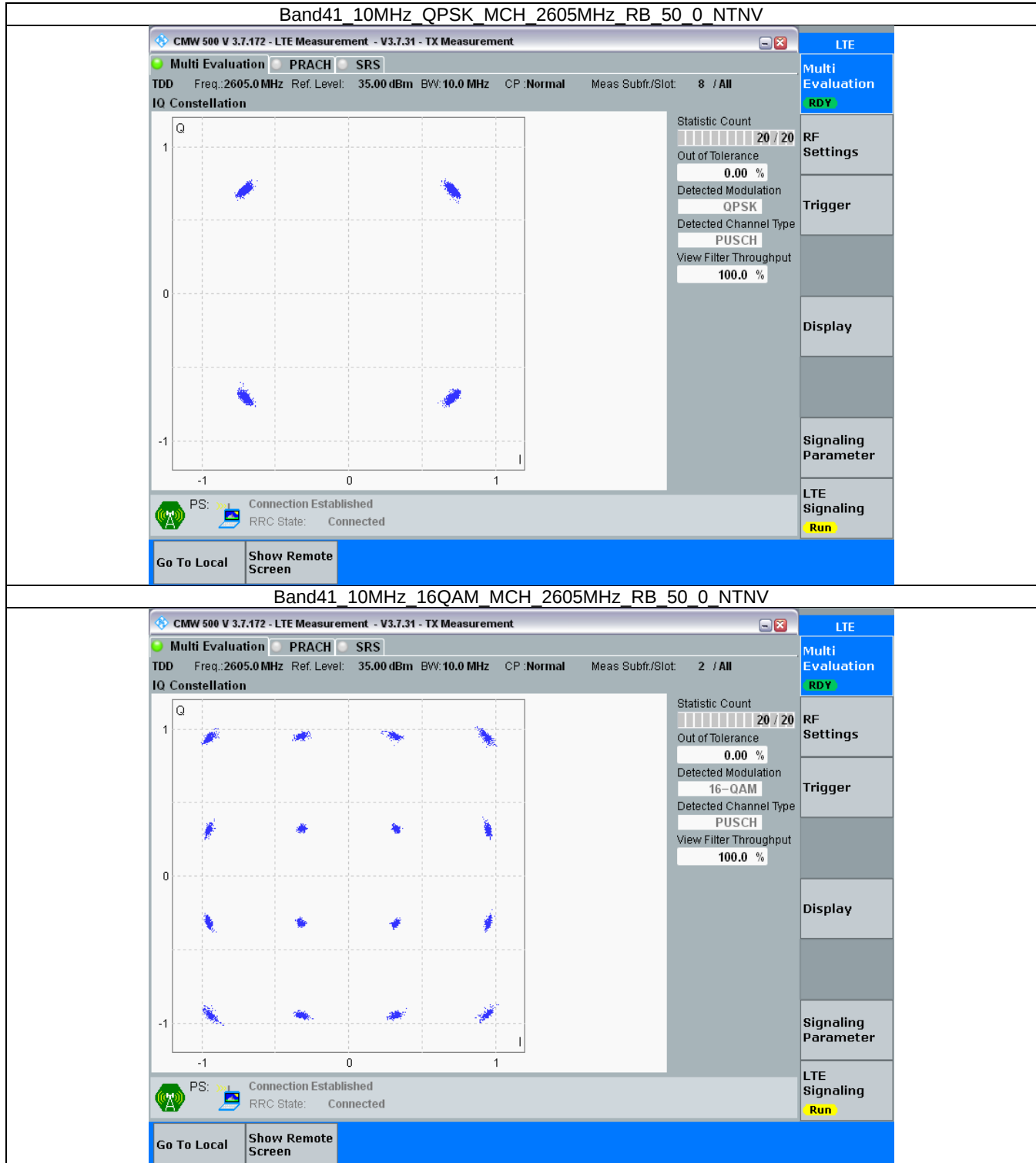
Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

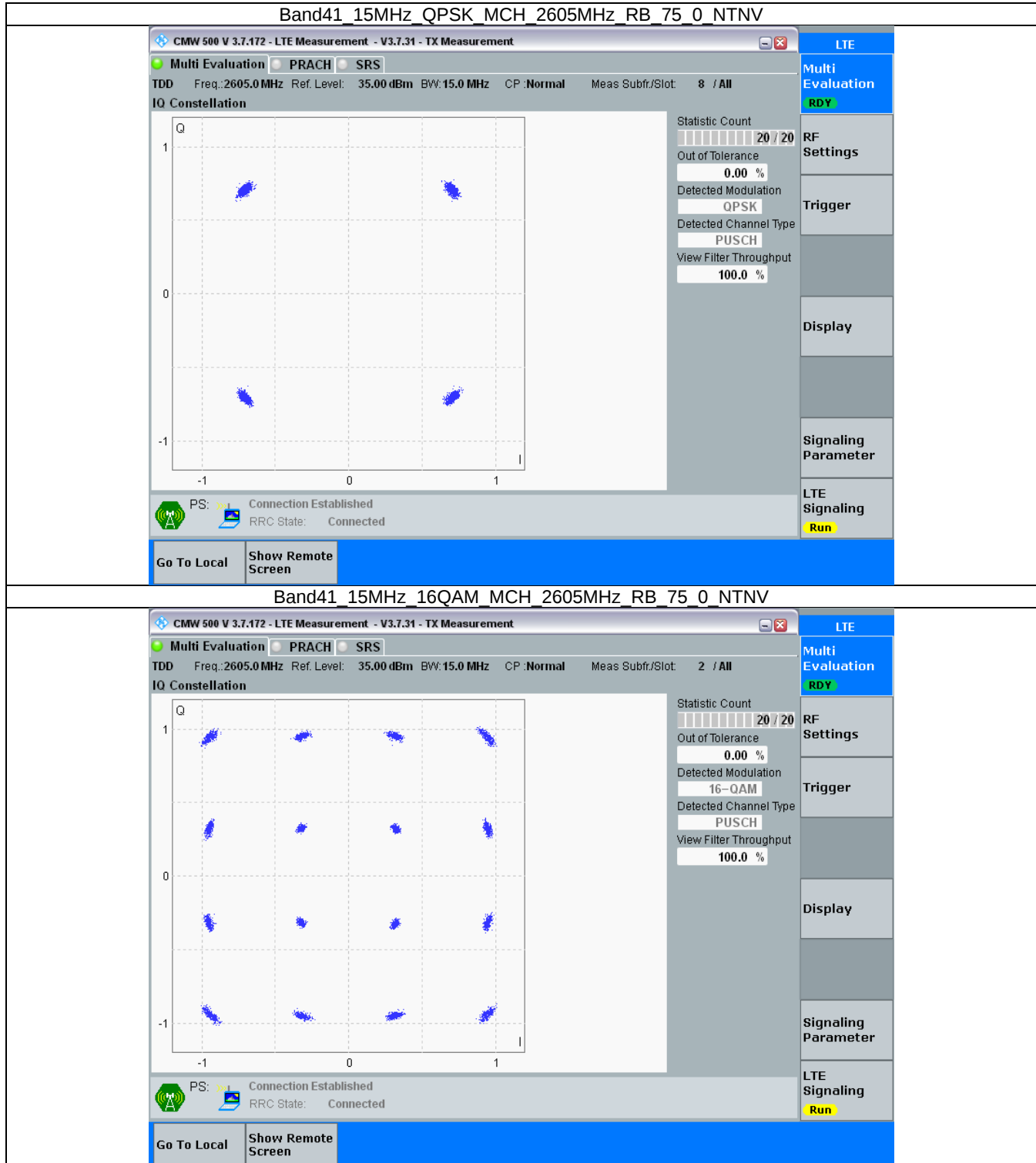
3.2.1 B41_5MHz



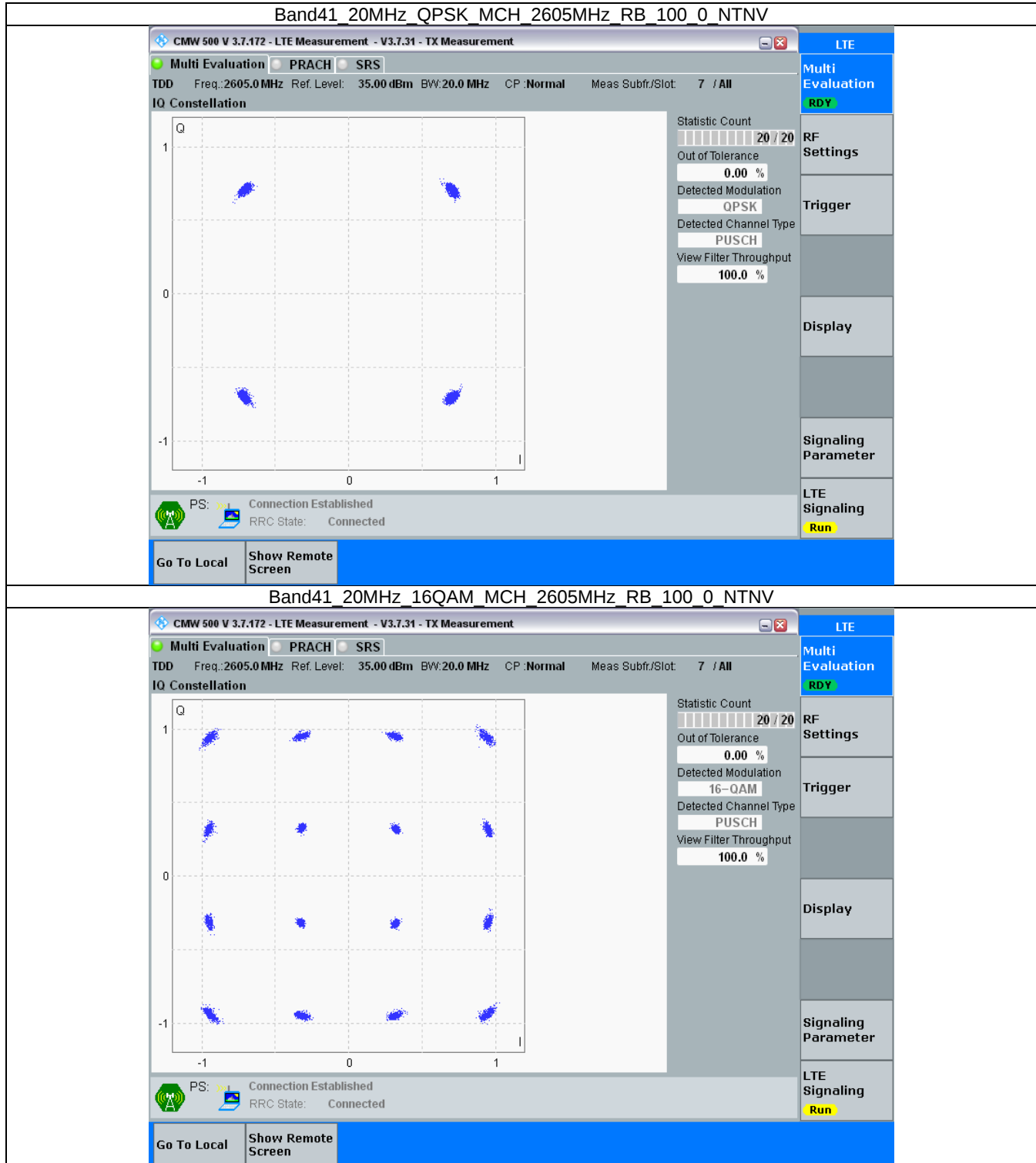
3.2.2 B41_10MHz



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	4.552	/	Pass
		2605	25	0	4.550	/	Pass
		2652.5	25	0	4.559	/	Pass
	16QAM	2557.5	25	0	4.508	/	Pass
		2605	25	0	4.557	/	Pass
		2652.5	25	0	4.568	/	Pass
10	QPSK	2560	50	0	9.083	/	Pass
		2605	50	0	9.072	/	Pass
		2650	50	0	9.055	/	Pass
	16QAM	2560	50	0	9.035	/	Pass
		2605	50	0	9.058	/	Pass
		2650	50	0	9.017	/	Pass
15	QPSK	2562.5	75	0	13.516	/	Pass
		2605	75	0	13.609	/	Pass
		2647.5	75	0	13.552	/	Pass
	16QAM	2562.5	75	0	13.647	/	Pass
		2605	75	0	13.651	/	Pass
		2647.5	75	0	13.582	/	Pass
20	QPSK	2565	100	0	18.130	/	Pass
		2605	100	0	18.105	/	Pass
		2645	100	0	17.940	/	Pass
	16QAM	2565	100	0	17.958	/	Pass
		2605	100	0	18.178	/	Pass
		2645	100	0	18.002	/	Pass

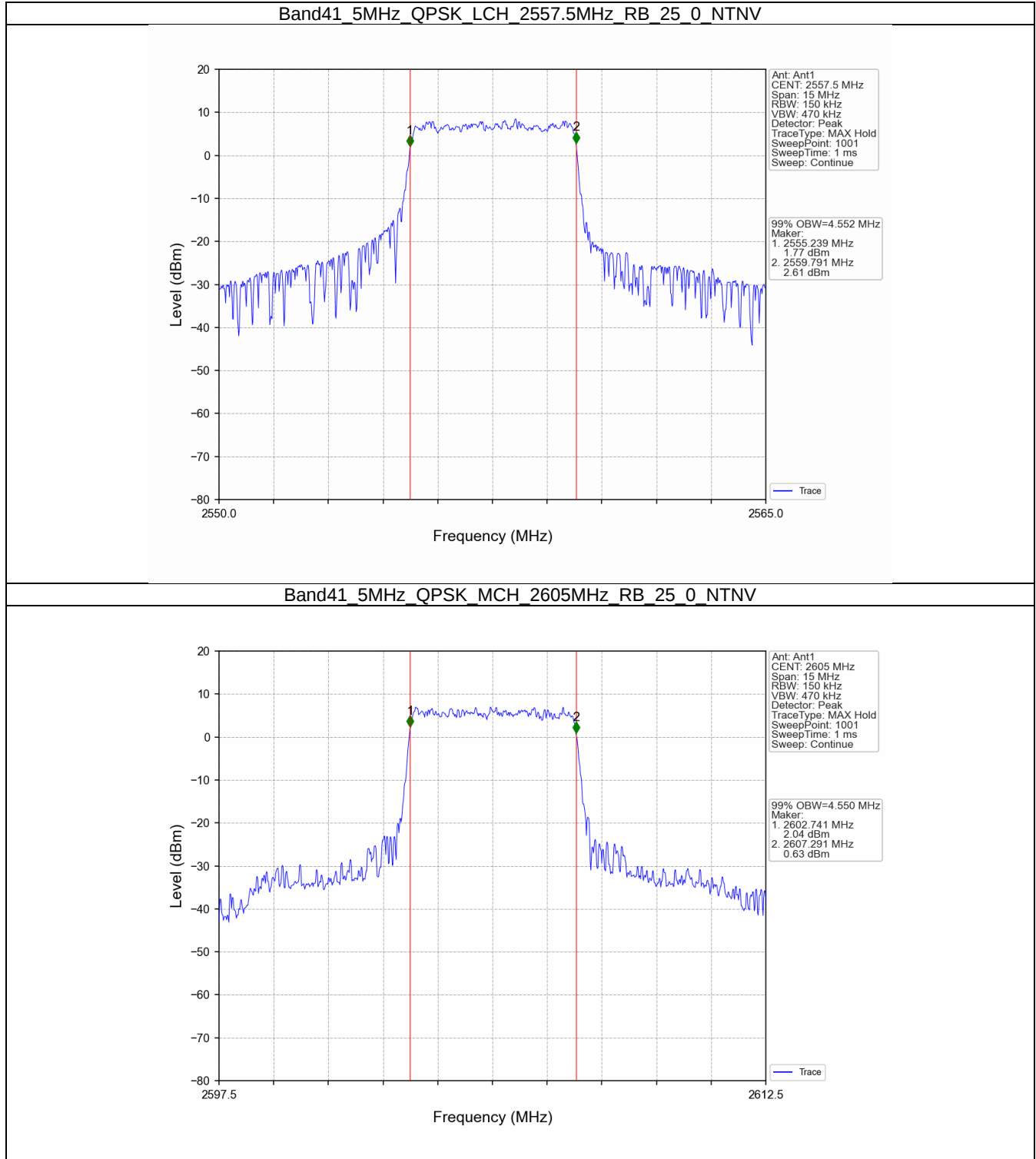
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.576	/	Pass
		2605	25	0	5.178	/	Pass
		2652.5	25	0	5.110	/	Pass
	16QAM	2557.5	25	0	4.888	/	Pass
		2605	25	0	4.924	/	Pass
		2652.5	25	0	5.384	/	Pass
10	QPSK	2560	50	0	10.699	/	Pass
		2605	50	0	11.066	/	Pass
		2650	50	0	10.535	/	Pass
	16QAM	2560	50	0	9.673	/	Pass
		2605	50	0	10.110	/	Pass
		2650	50	0	9.928	/	Pass
15	QPSK	2562.5	75	0	14.789	/	Pass

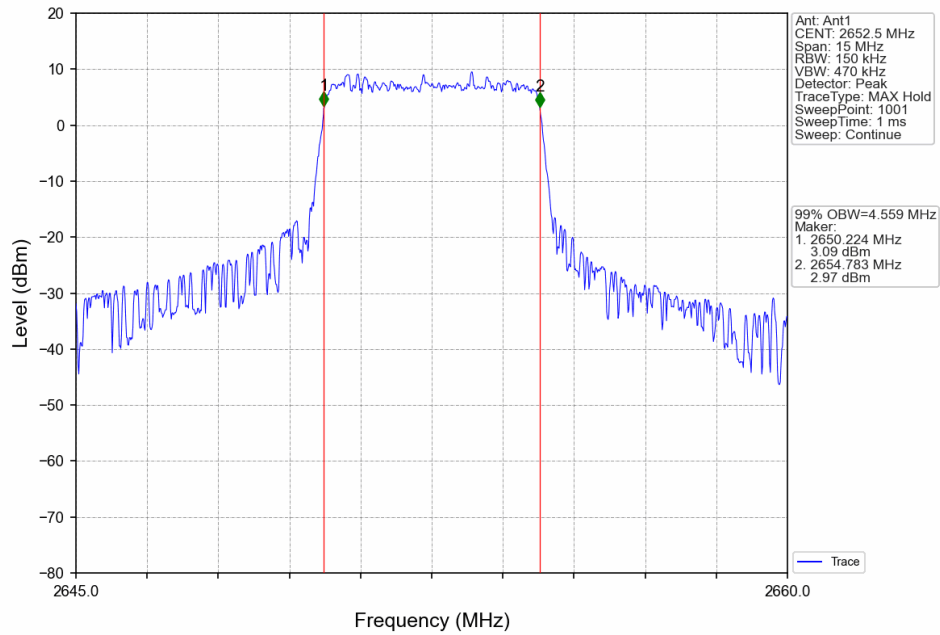
	16QAM	2605	75	0	15.950	/	Pass
		2647.5	75	0	15.935	/	Pass
		2562.5	75	0	15.687	/	Pass
		2605	75	0	17.470	/	Pass
		2647.5	75	0	15.772	/	Pass
20	QPSK	2565	100	0	20.050	/	Pass
		2605	100	0	19.479	/	Pass
		2645	100	0	19.082	/	Pass
	16QAM	2565	100	0	19.204	/	Pass
		2605	100	0	20.093	/	Pass
		2645	100	0	20.844	/	Pass

4.2 Test Graph

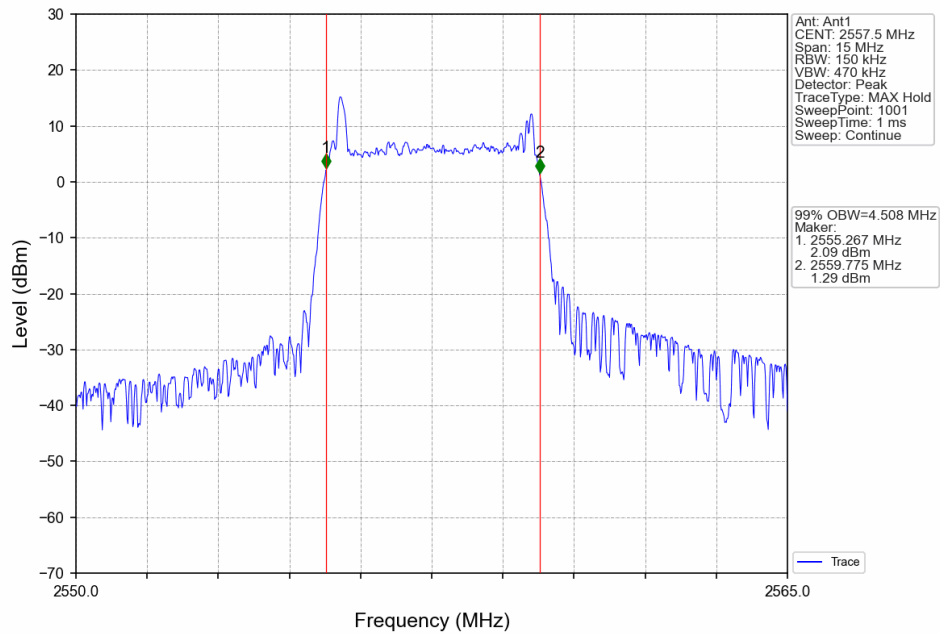
4.2.1 Band41_OBW



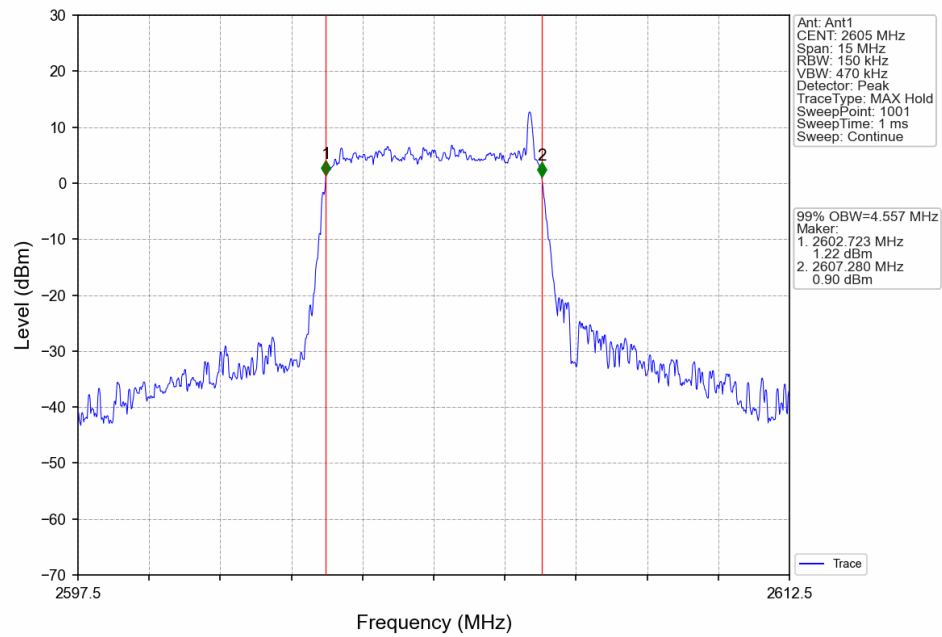
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



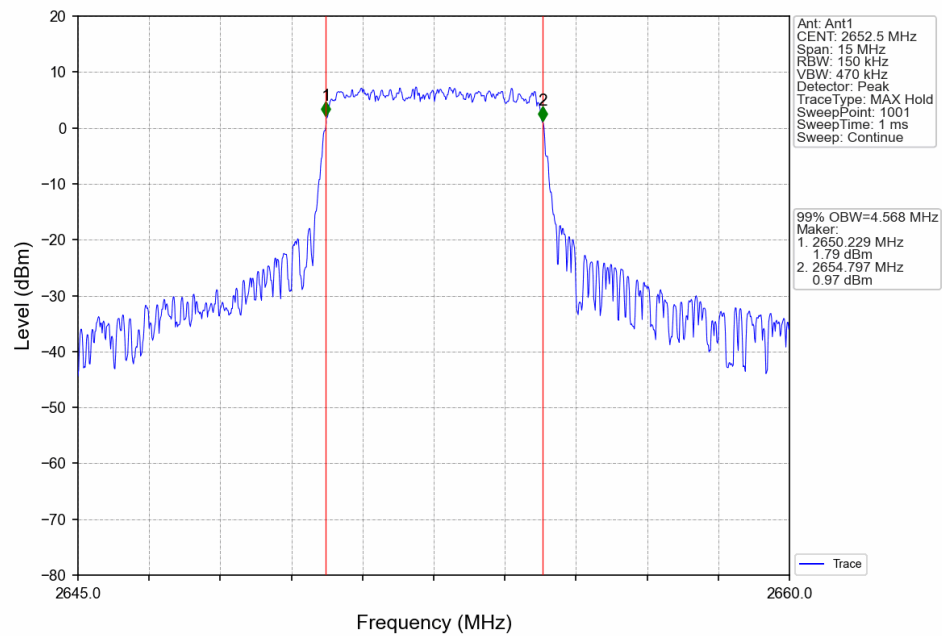
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



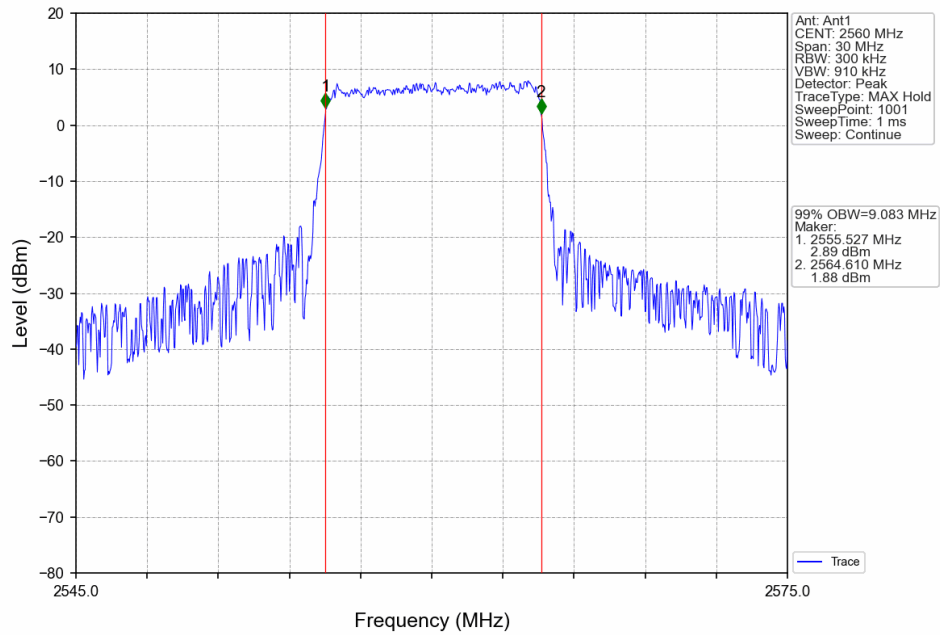
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



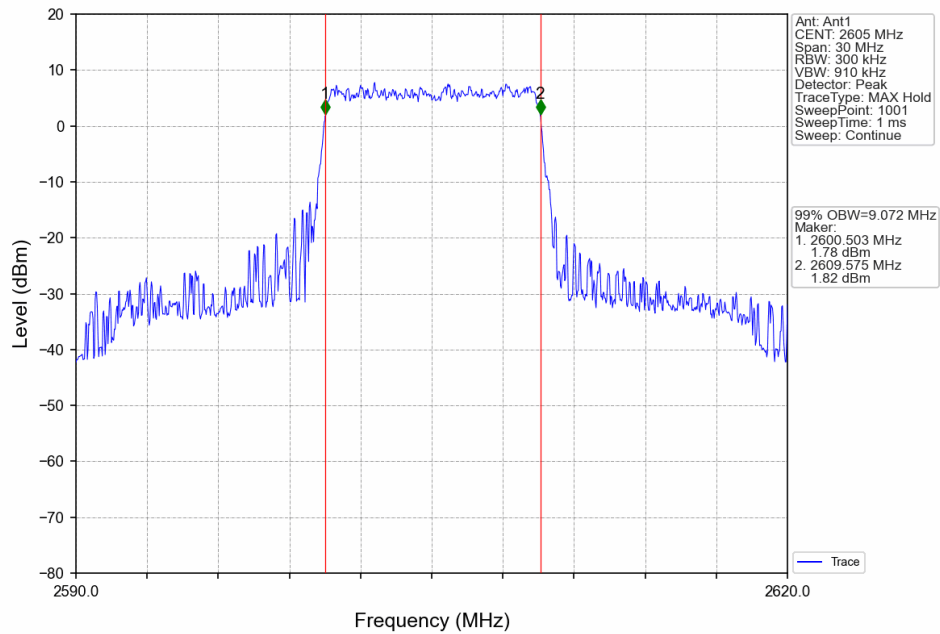
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



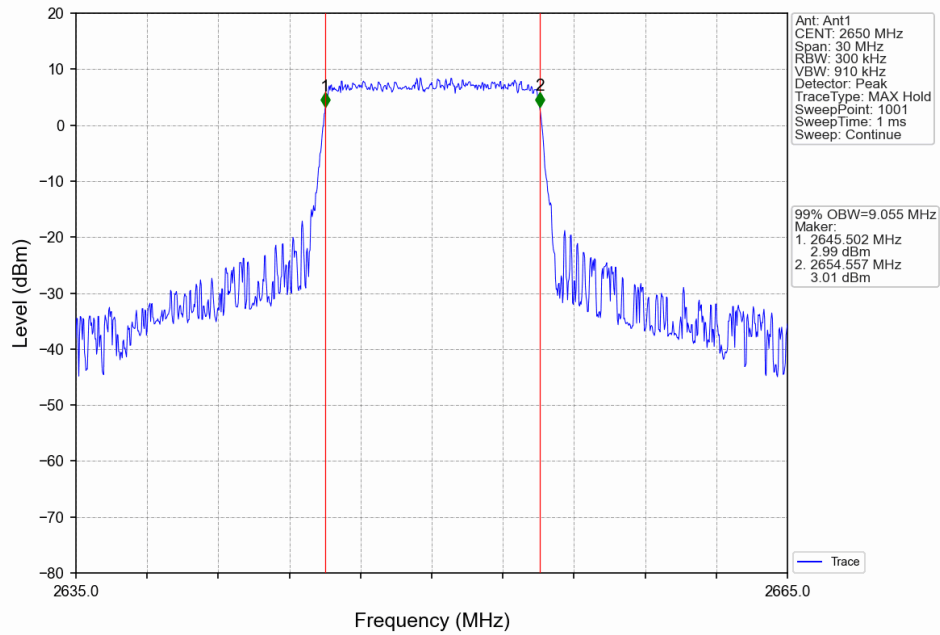
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



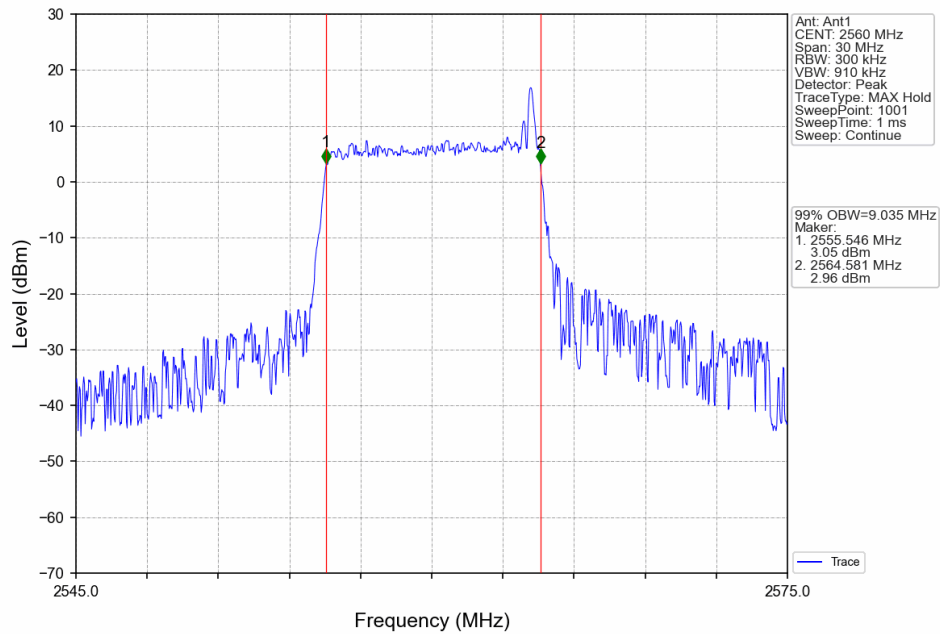
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



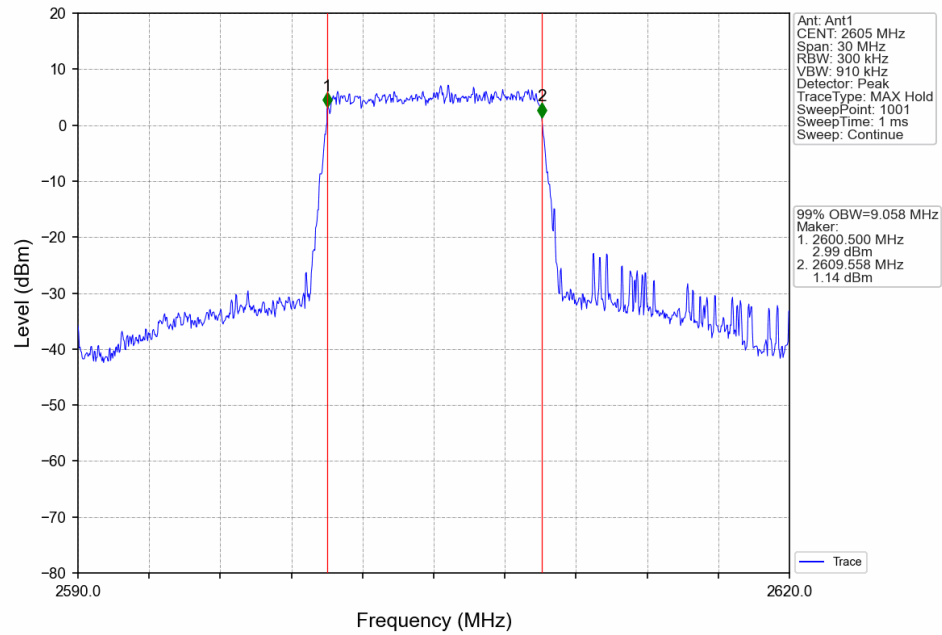
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



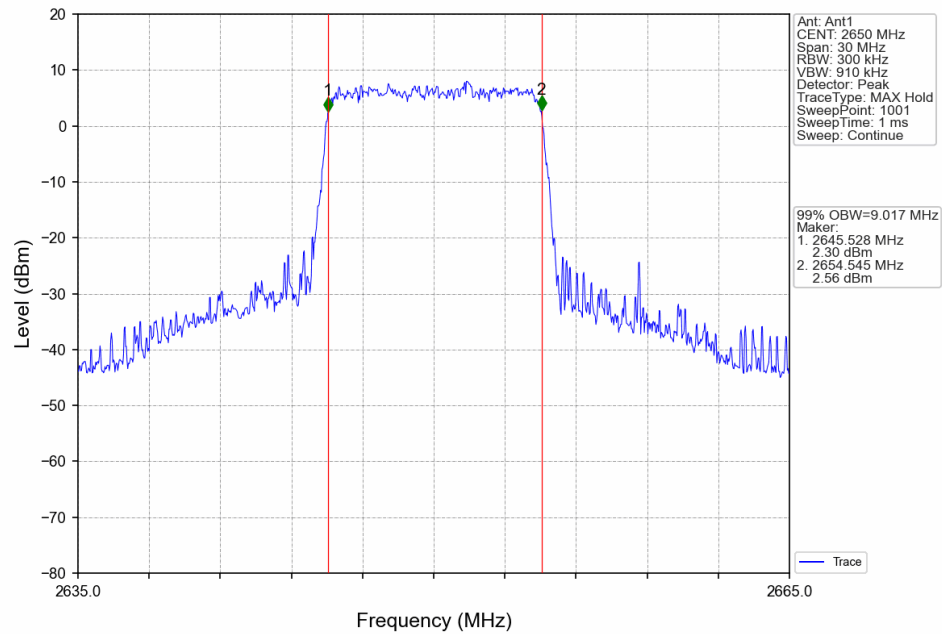
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



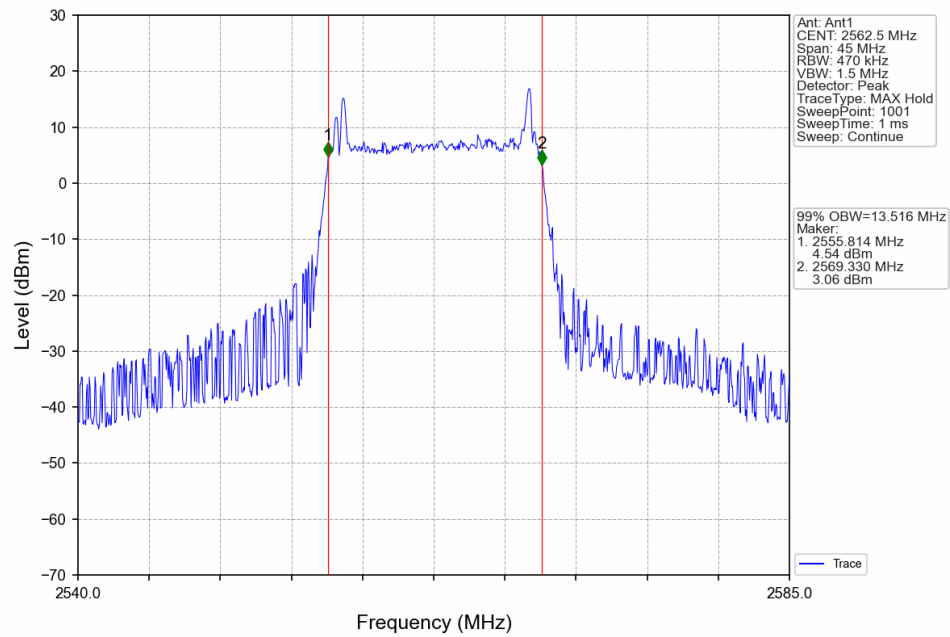
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



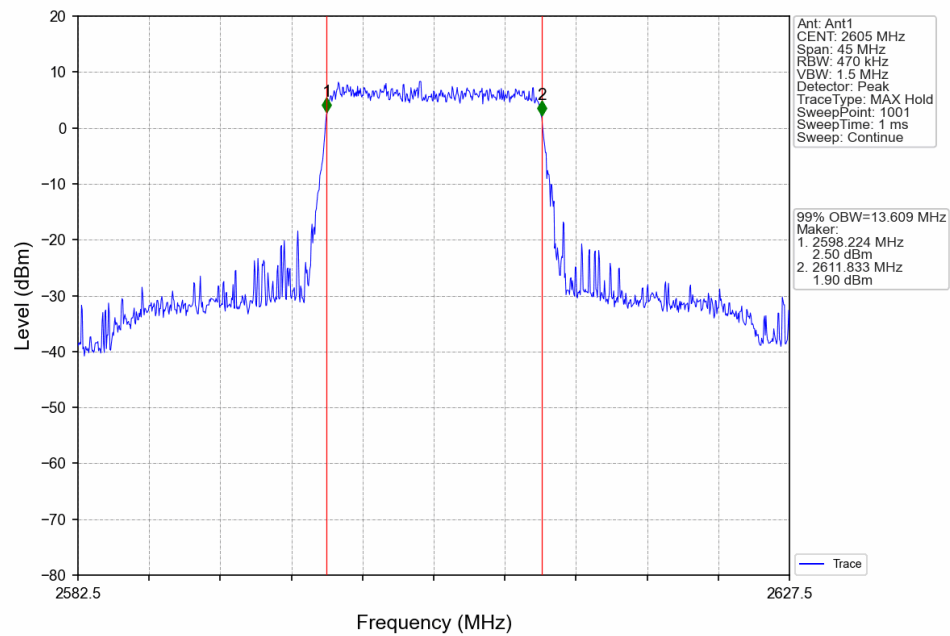
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



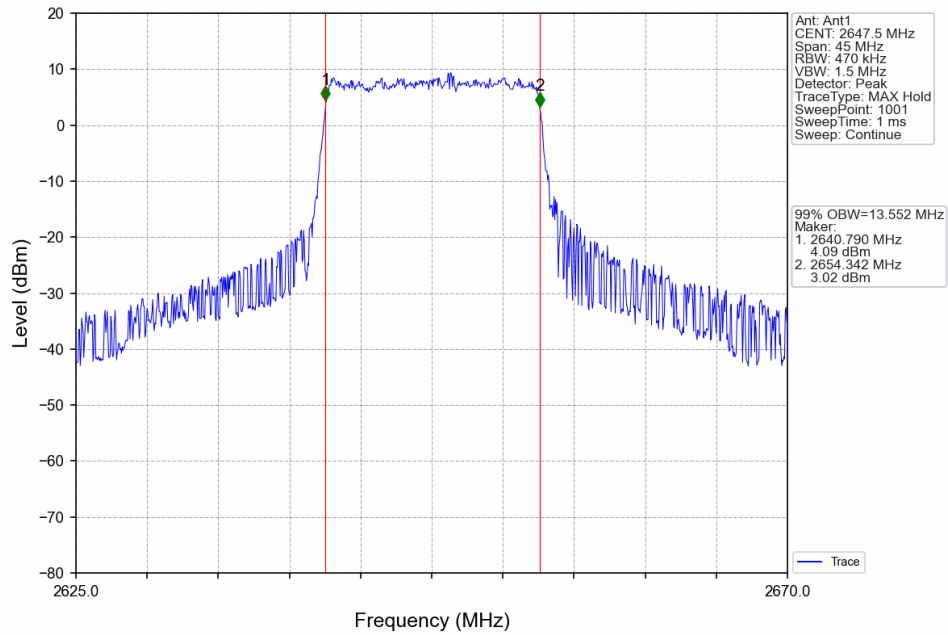
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



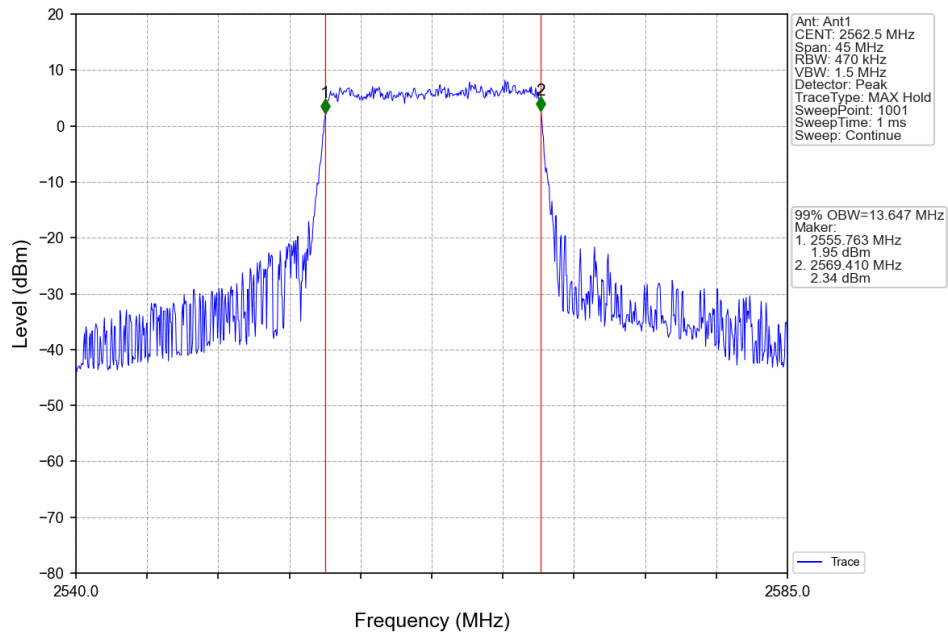
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



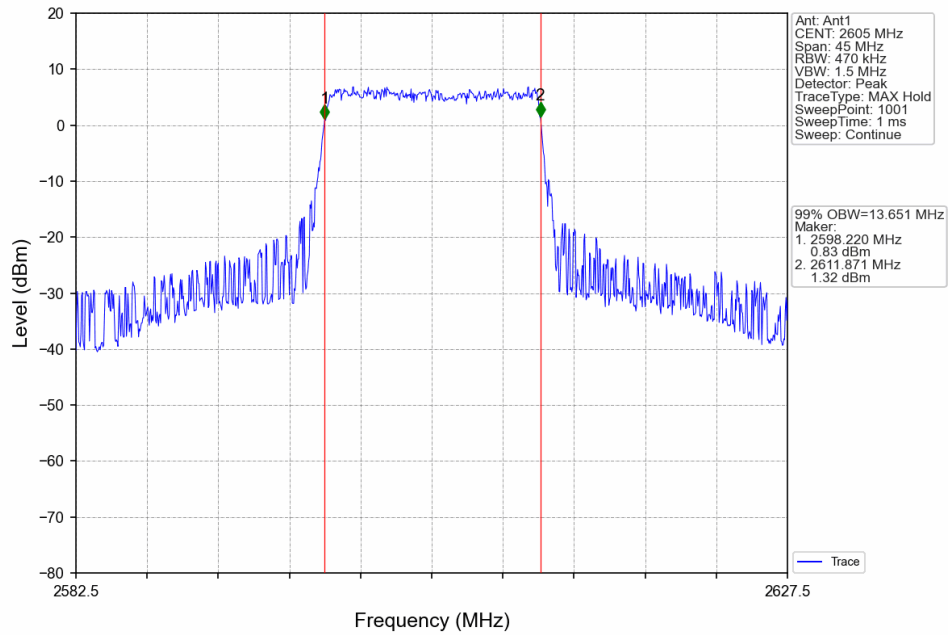
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



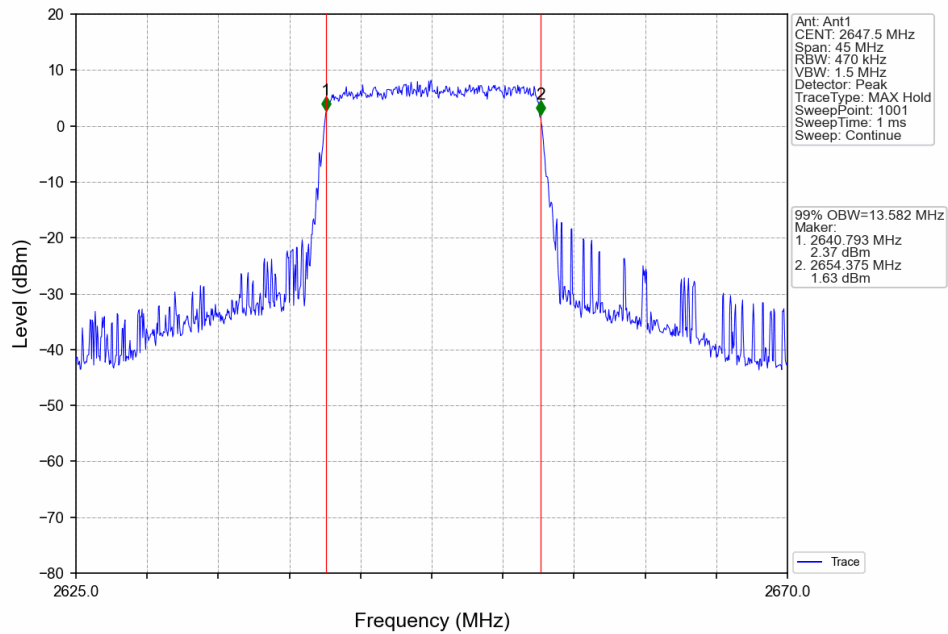
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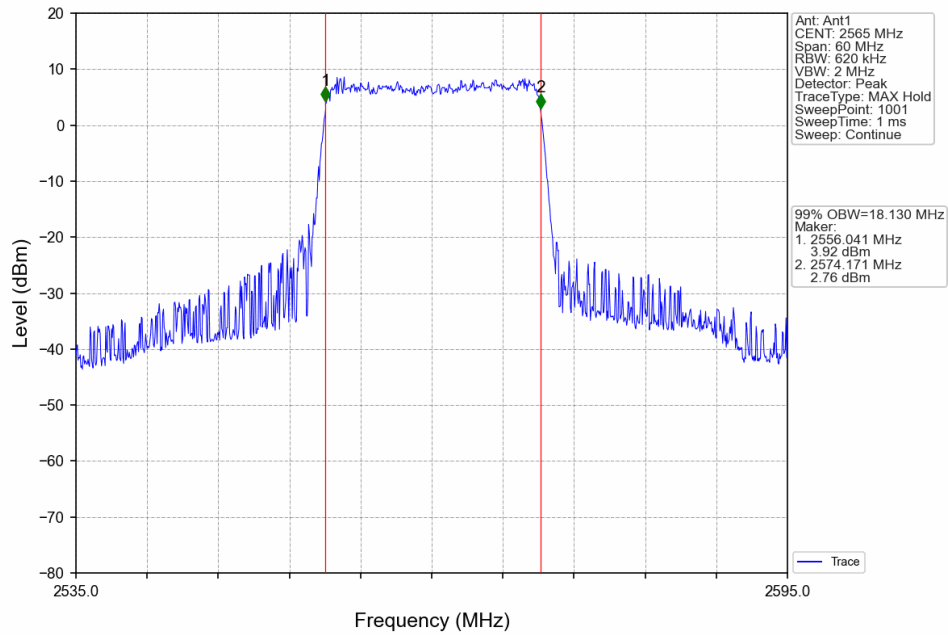
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



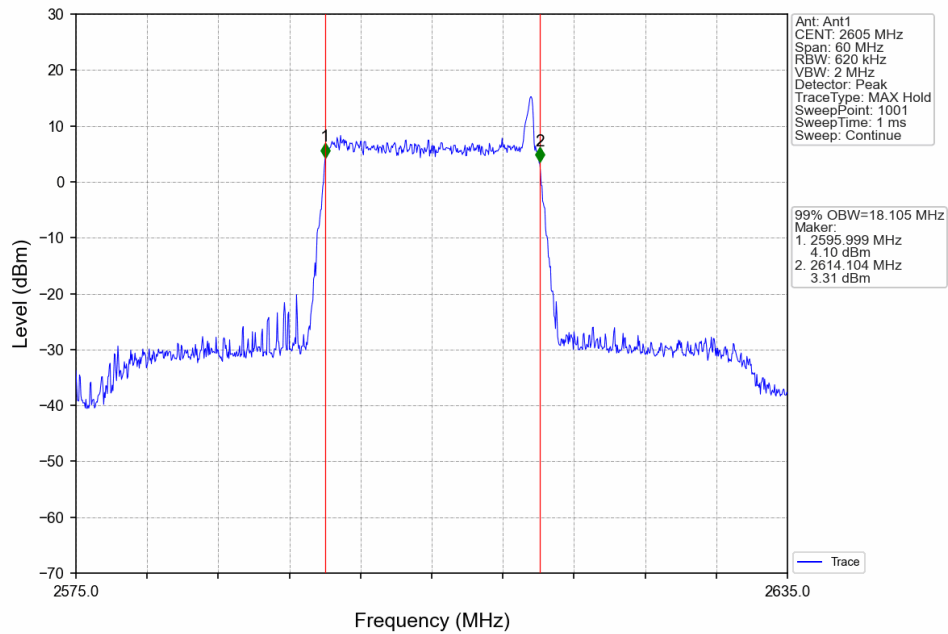
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



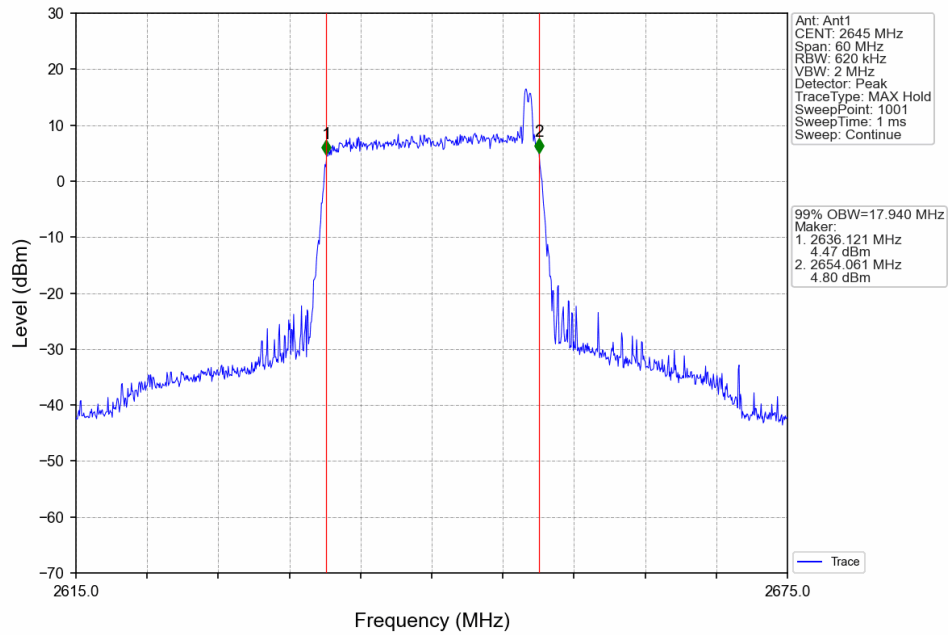
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



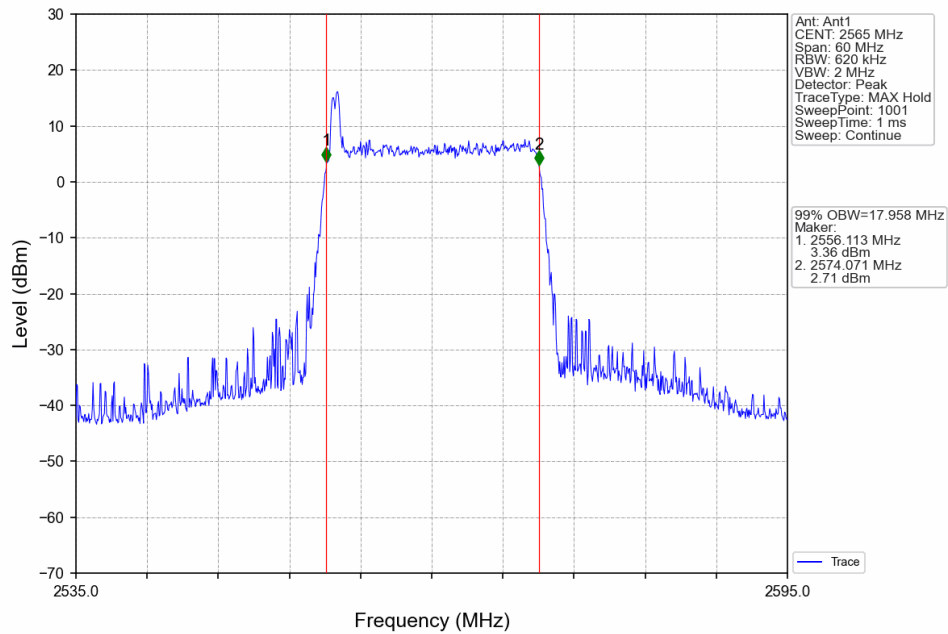
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



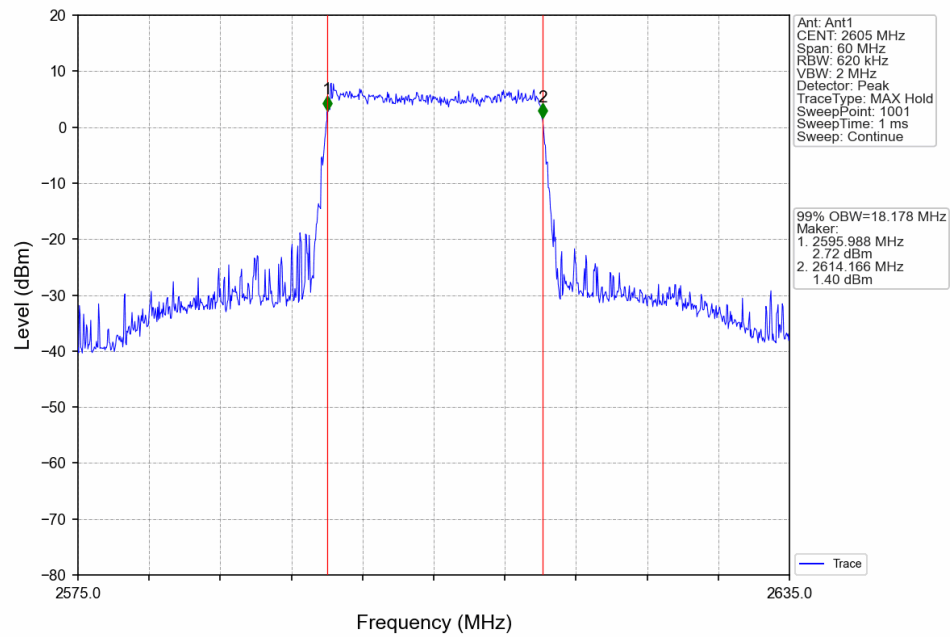
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



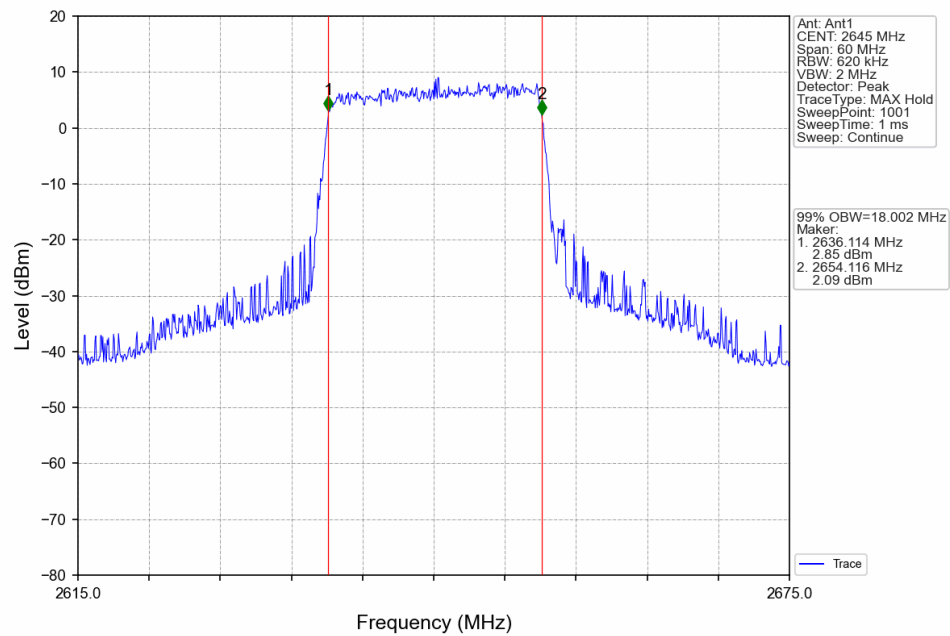
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



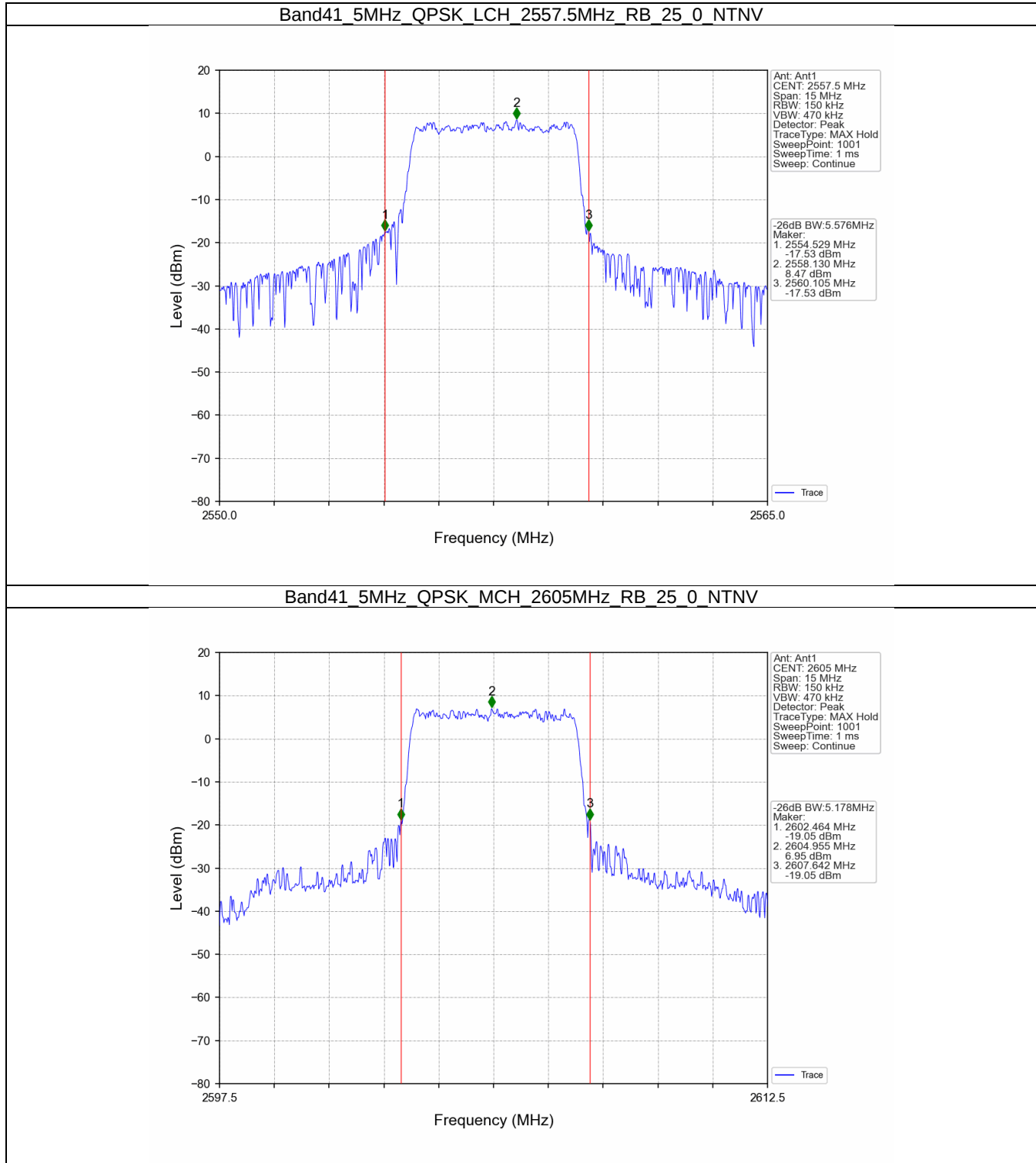
Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



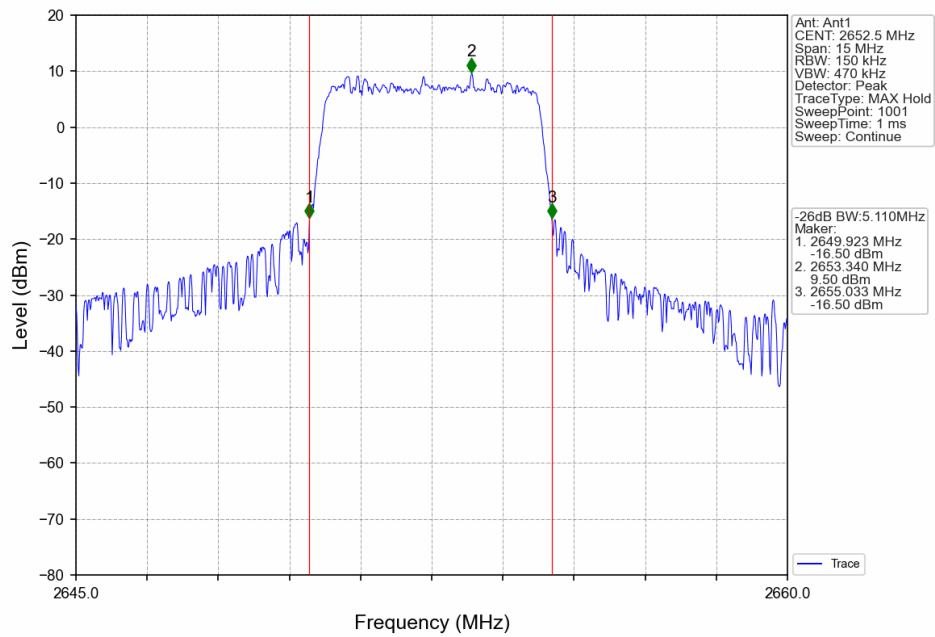
Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



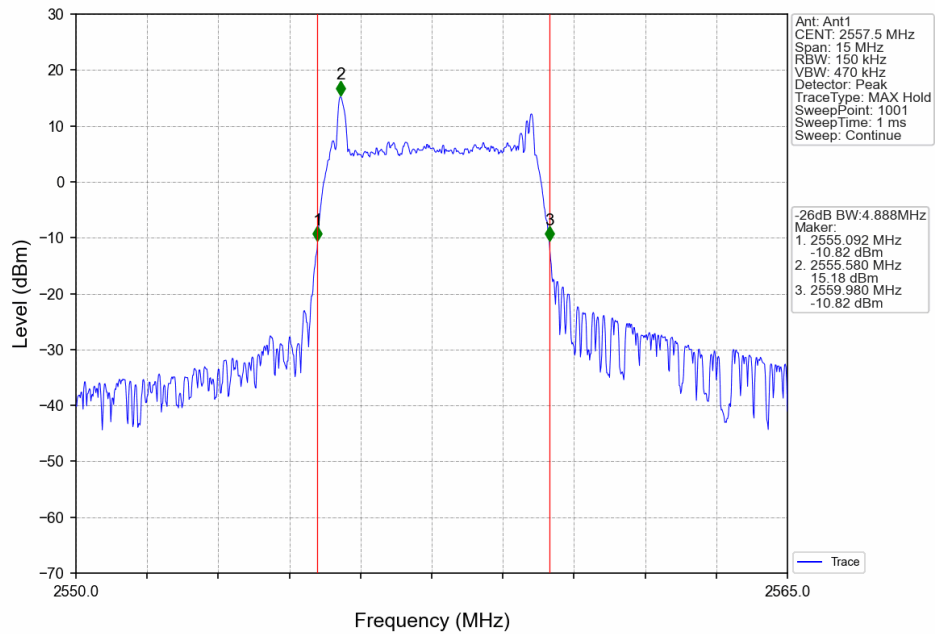
4.2.2 Band41_XDB



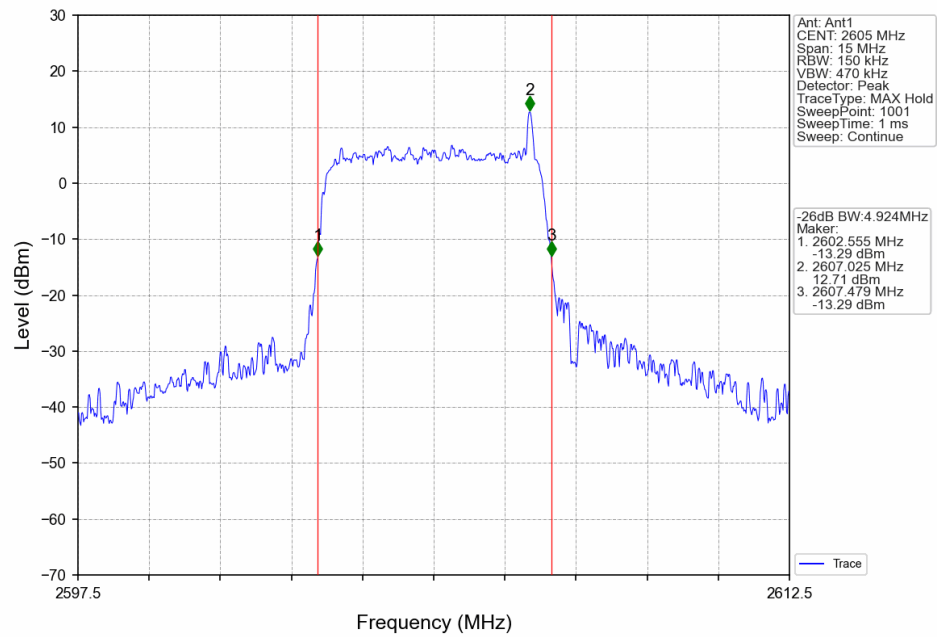
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



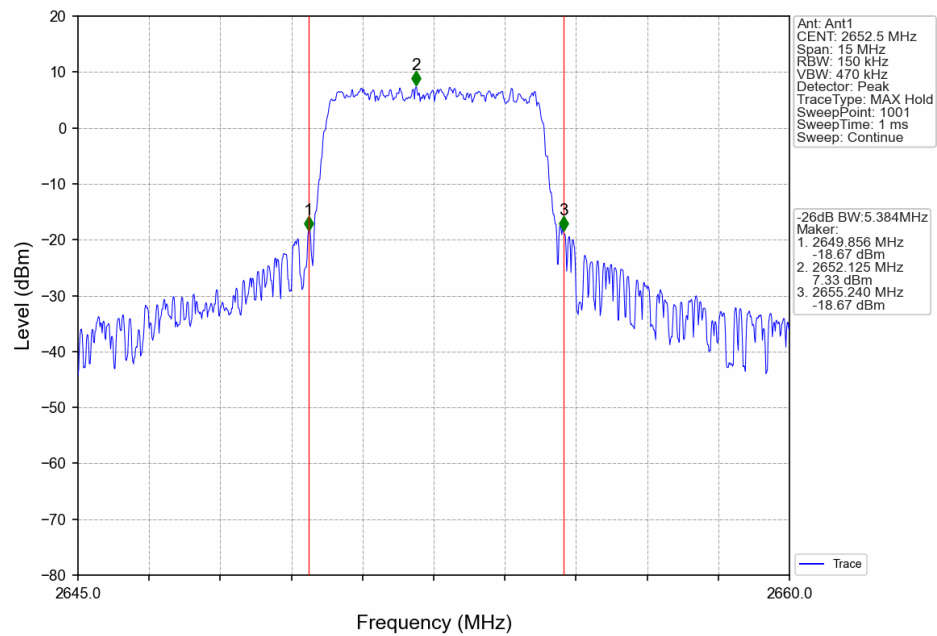
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



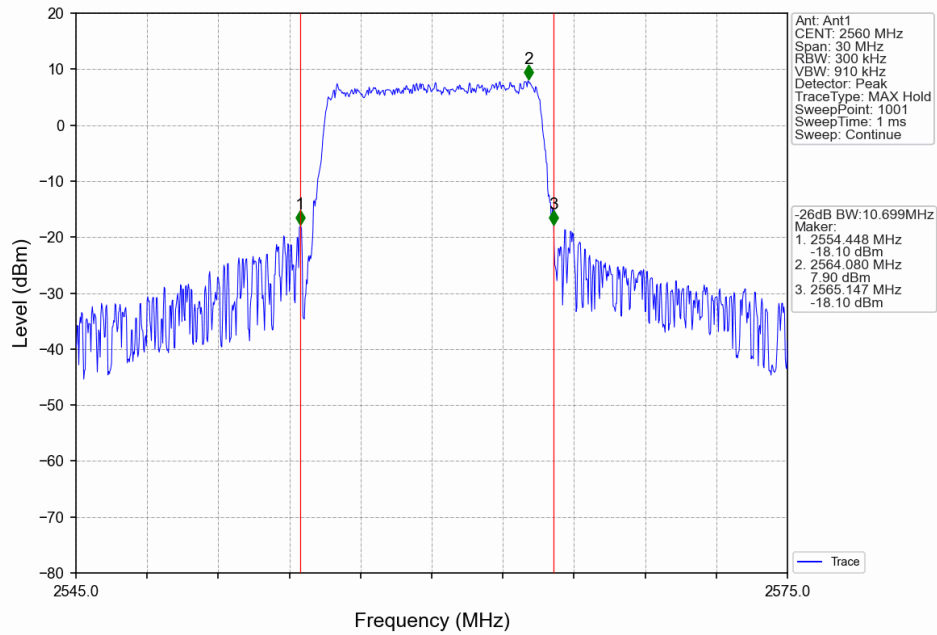
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



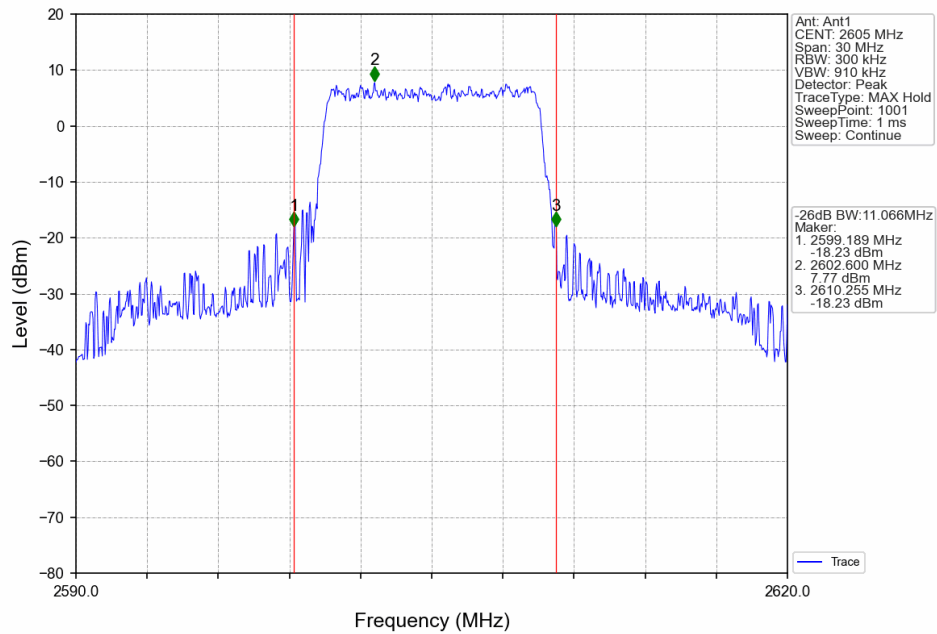
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



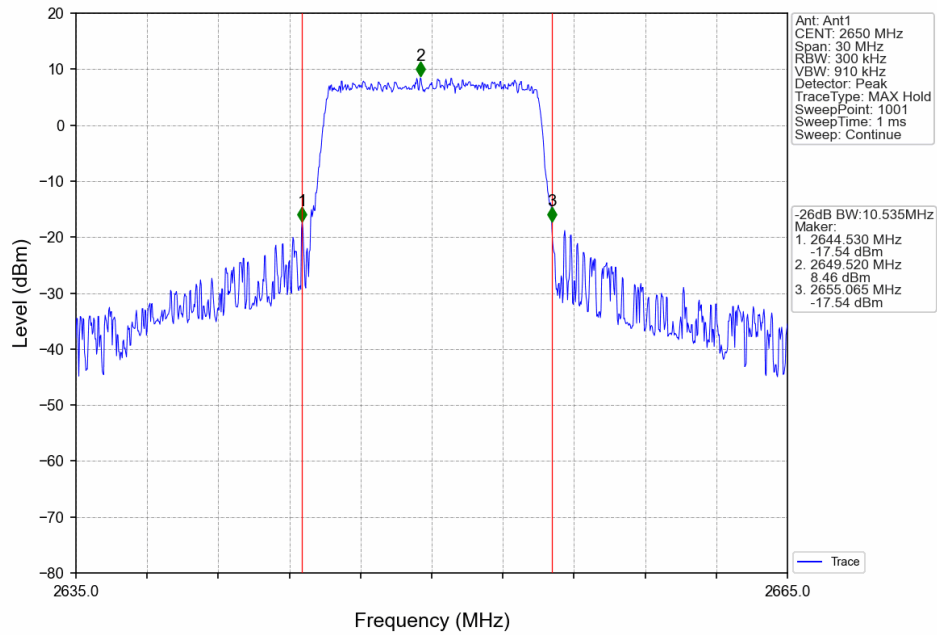
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



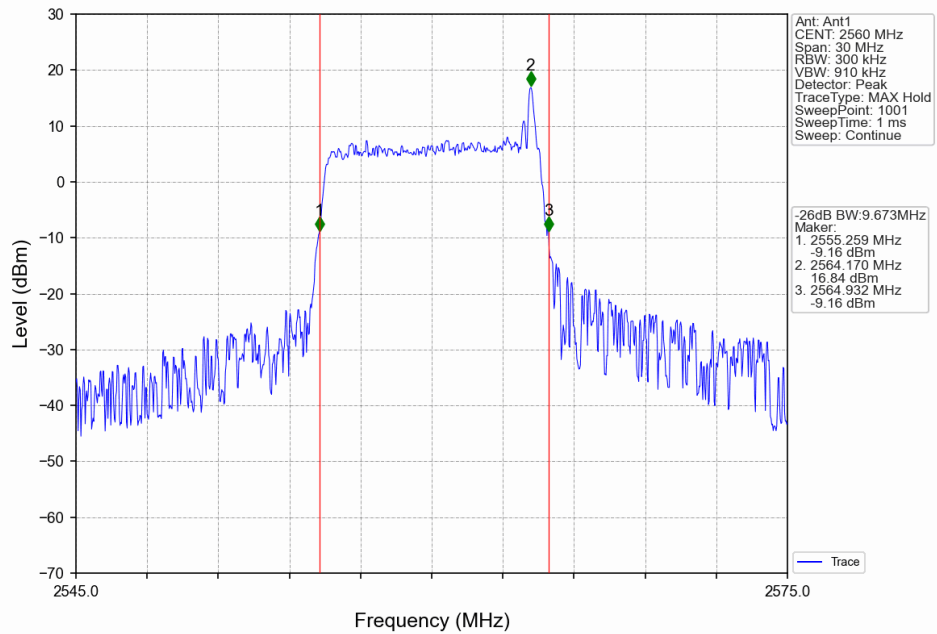
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



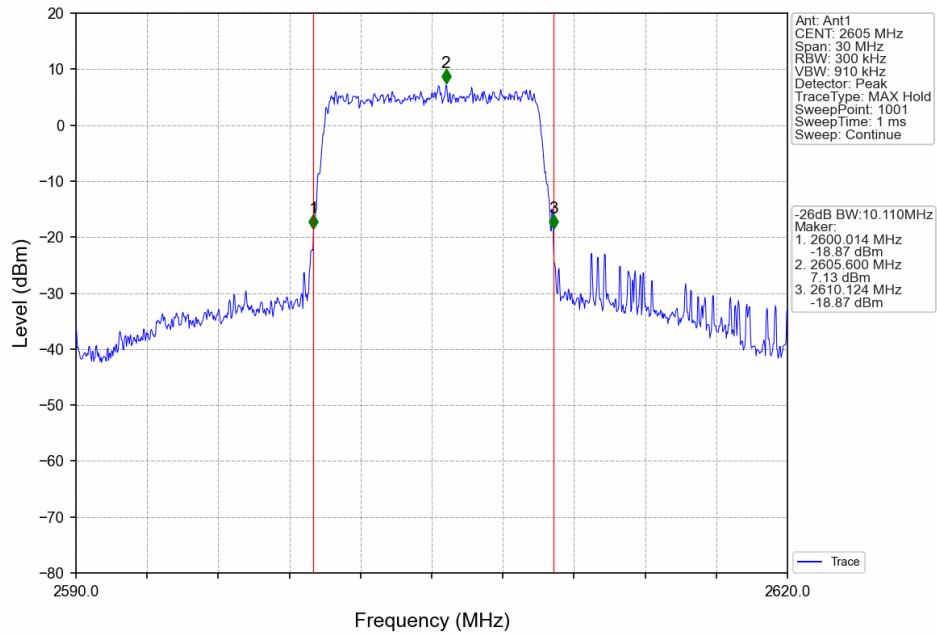
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



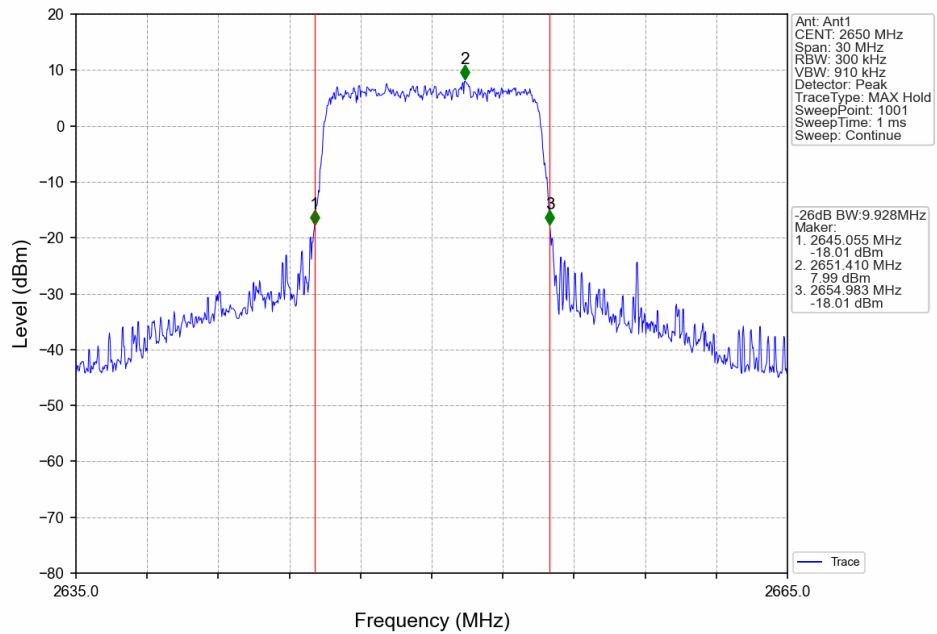
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



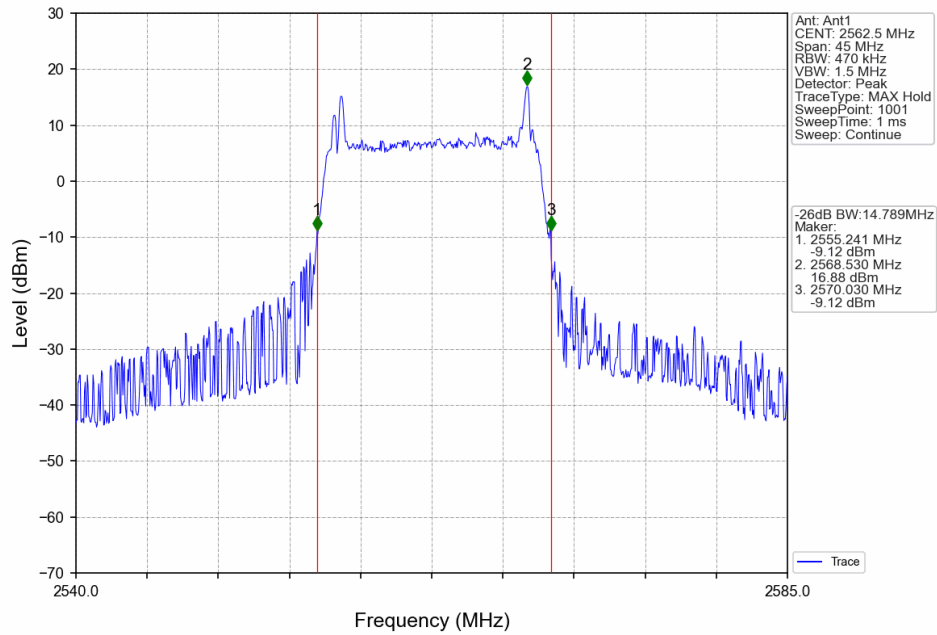
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



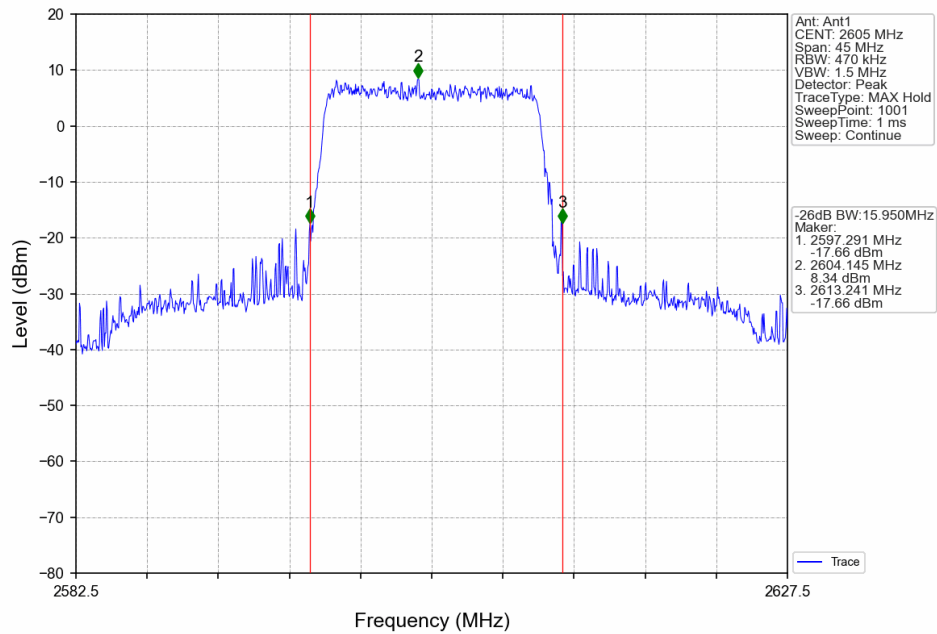
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



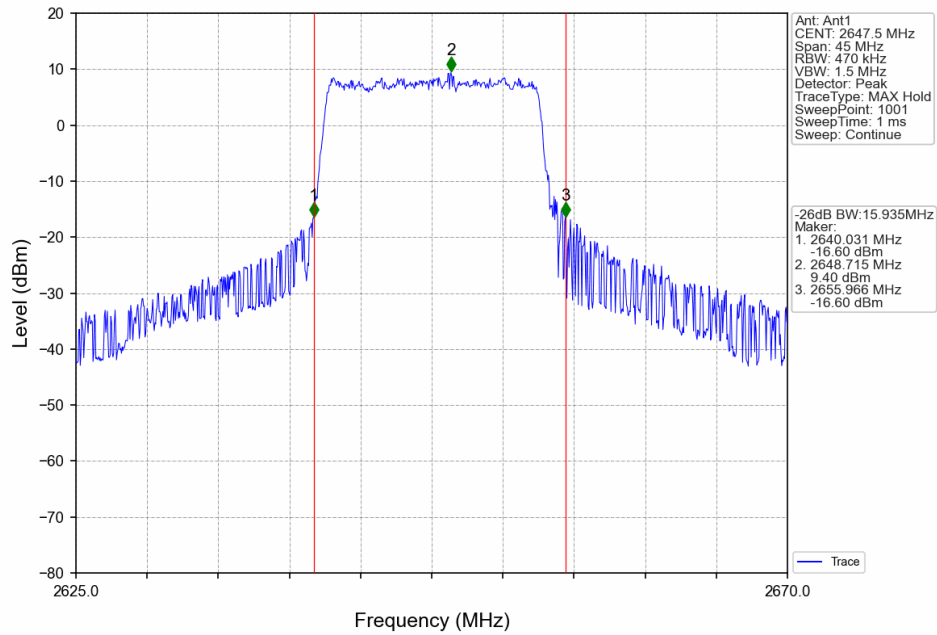
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



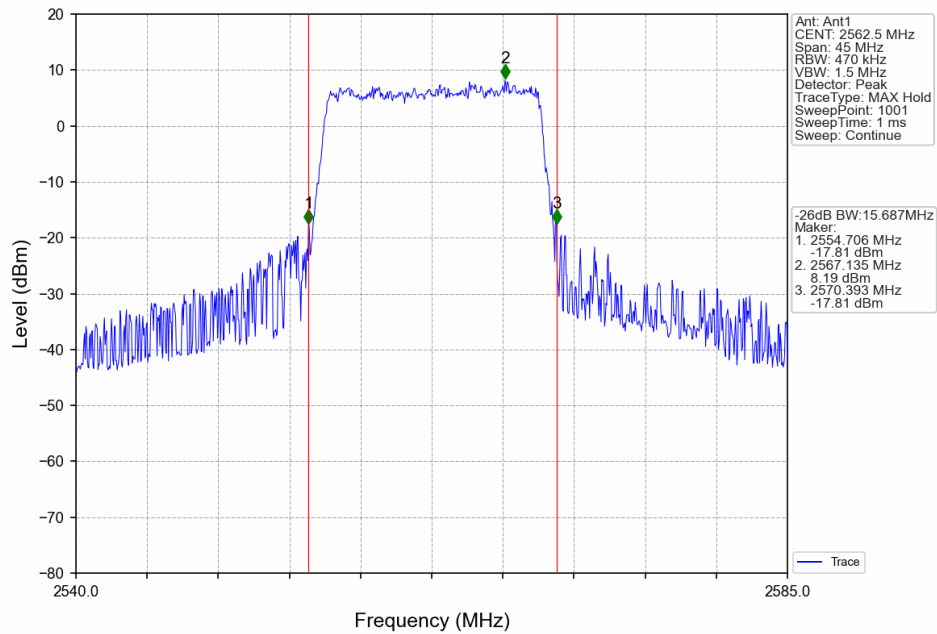
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



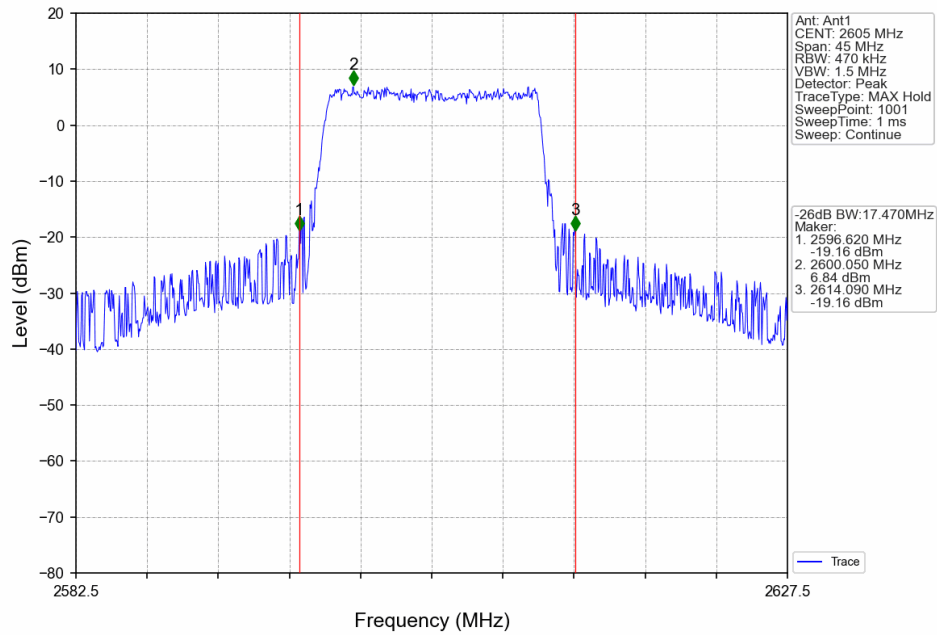
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



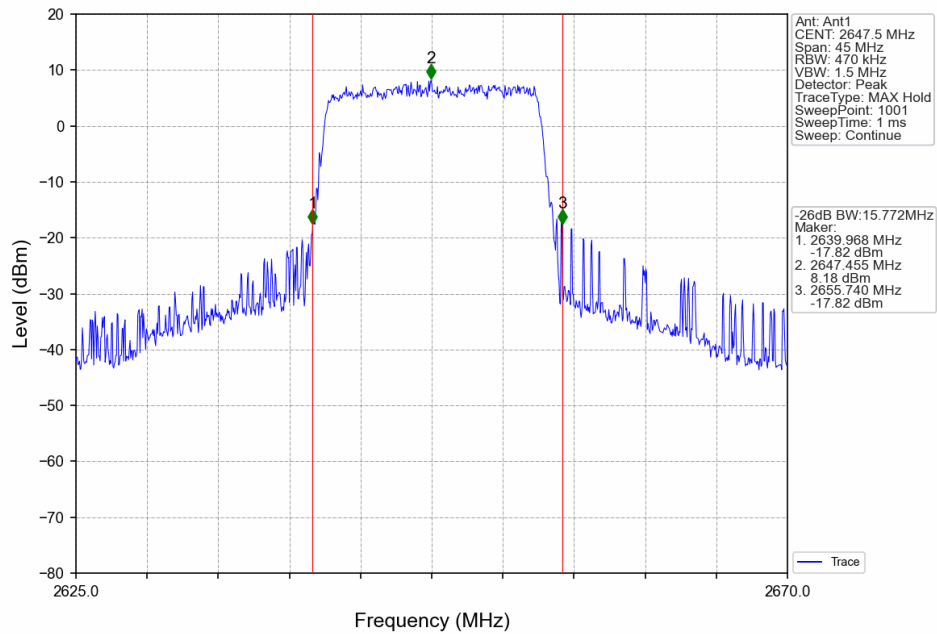
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



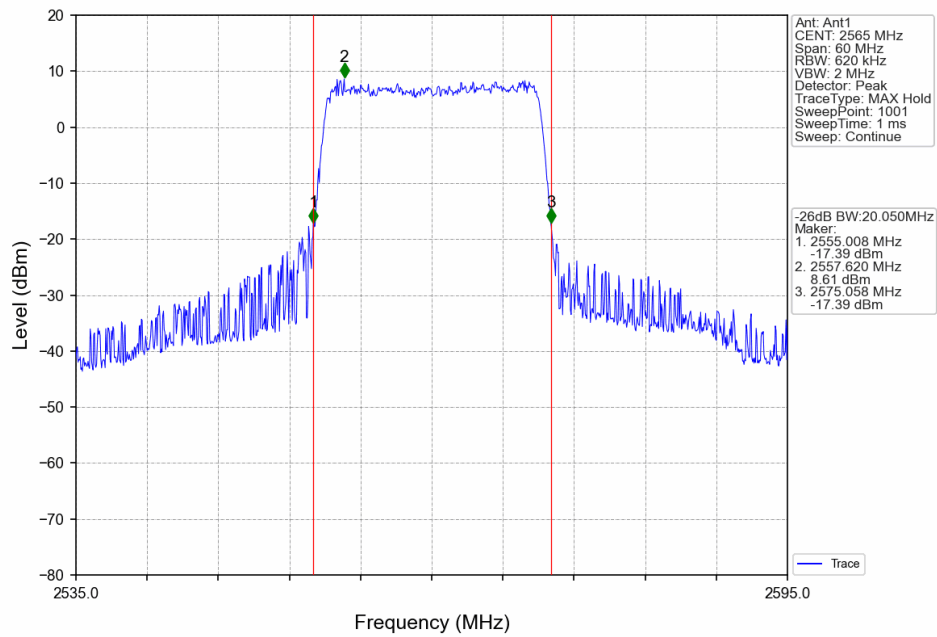
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



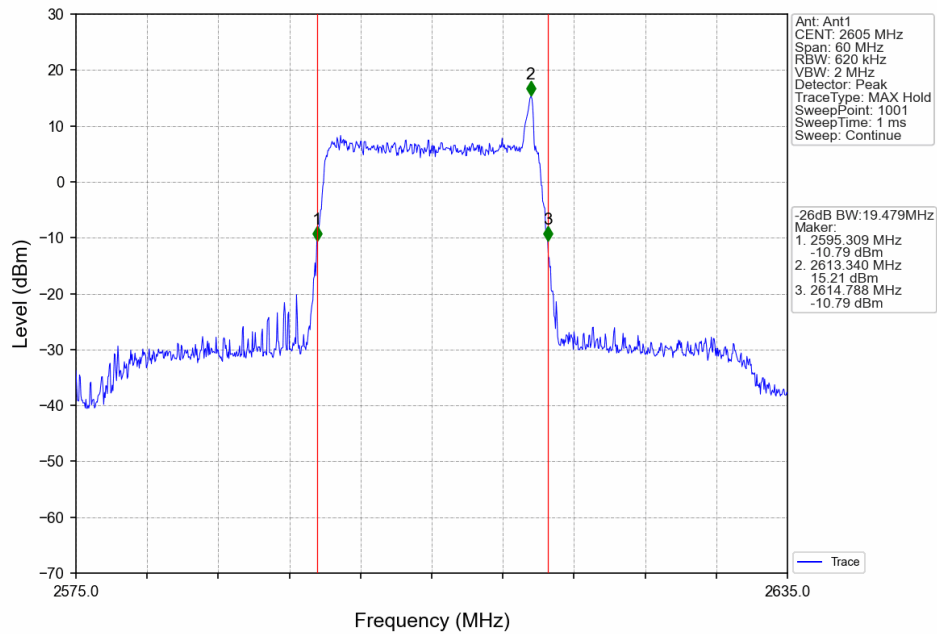
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



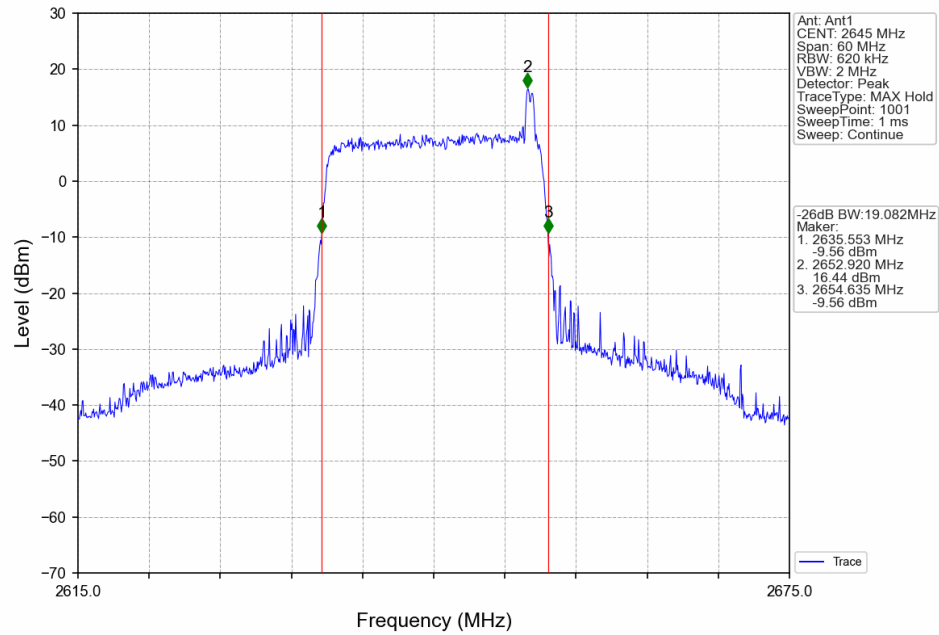
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



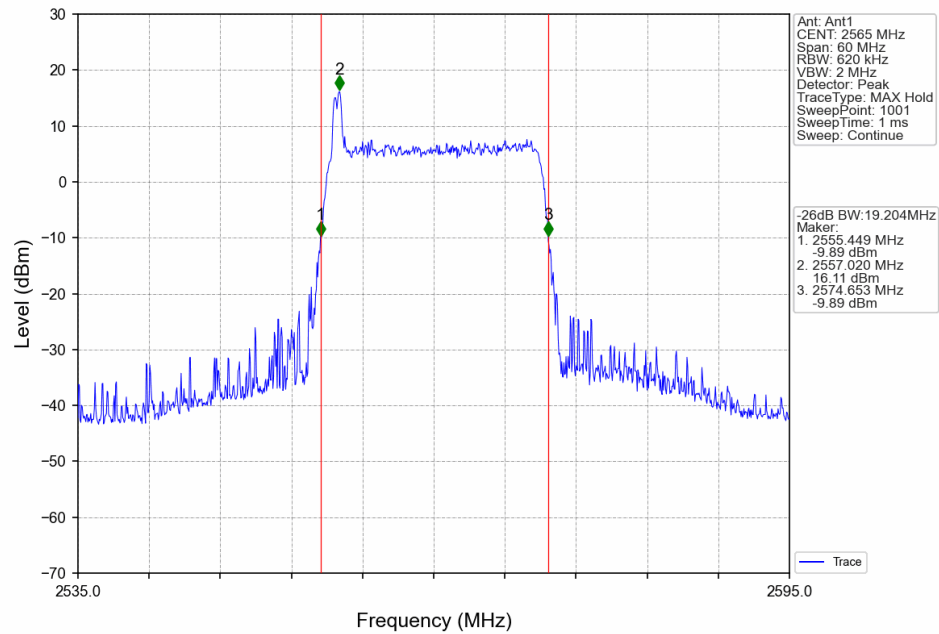
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



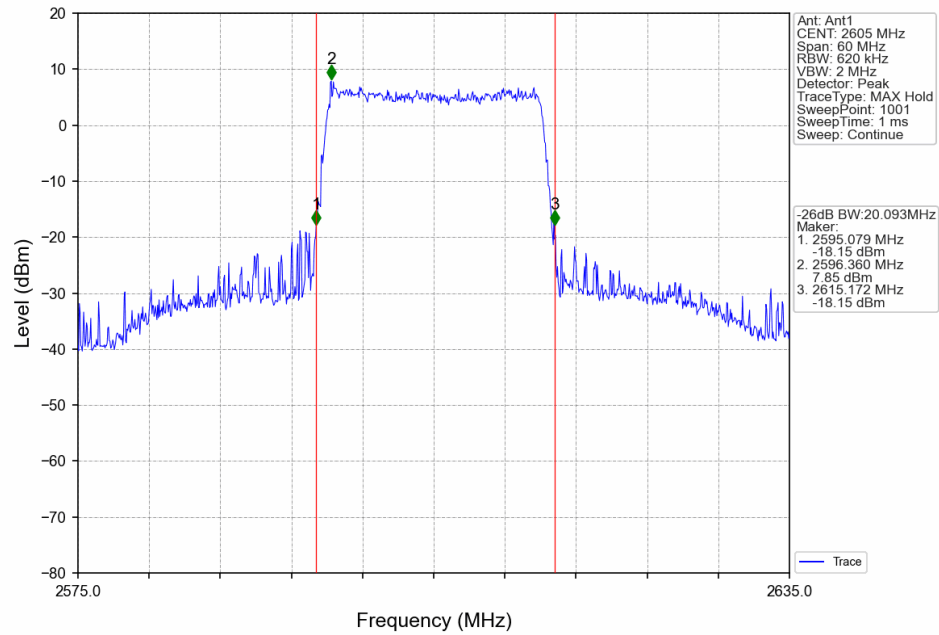
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



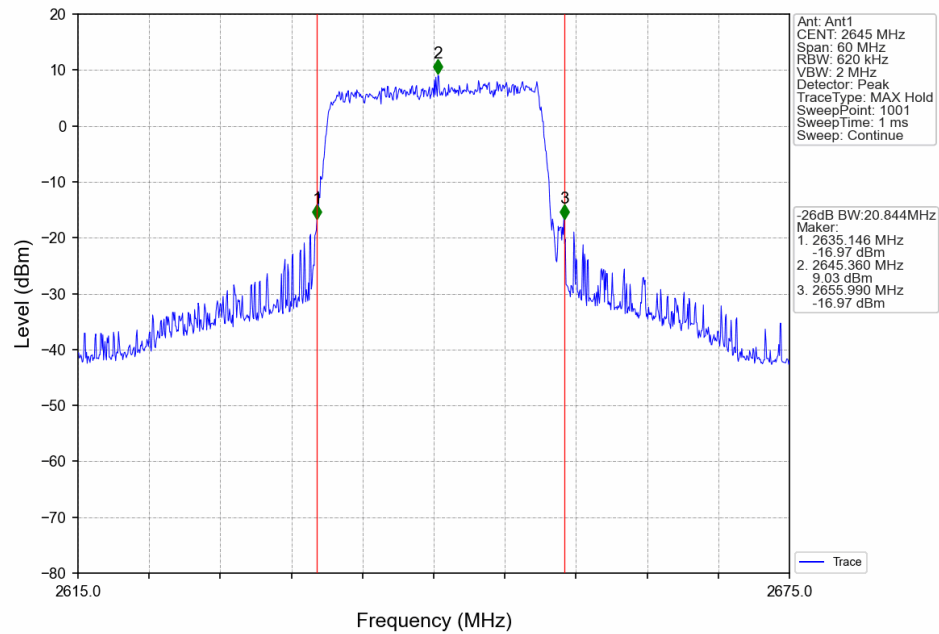
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	25	0	7.57	<=13	Pass
	2605	25	0	7.38	<=13	Pass
	2652.5	25	0	7.67	<=13	Pass
16QAM	2557.5	25	0	8.14	<=13	Pass
	2605	25	0	8.08	<=13	Pass
	2652.5	25	0	8.27	<=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	7.52	<=13	Pass
	2605	50	0	7.52	<=13	Pass
	2650	50	0	7.57	<=13	Pass
16QAM	2560	50	0	8.24	<=13	Pass
	2605	50	0	8.13	<=13	Pass
	2650	50	0	8.19	<=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	7.39	<=13	Pass
	2647.5	75	0	7.20	<=13	Pass
16QAM	2562.5	75	0	8.06	<=13	Pass
	2605	75	0	8.09	<=13	Pass
	2647.5	75	0	8.15	<=13	Pass

5.1.4 B41_20MHz

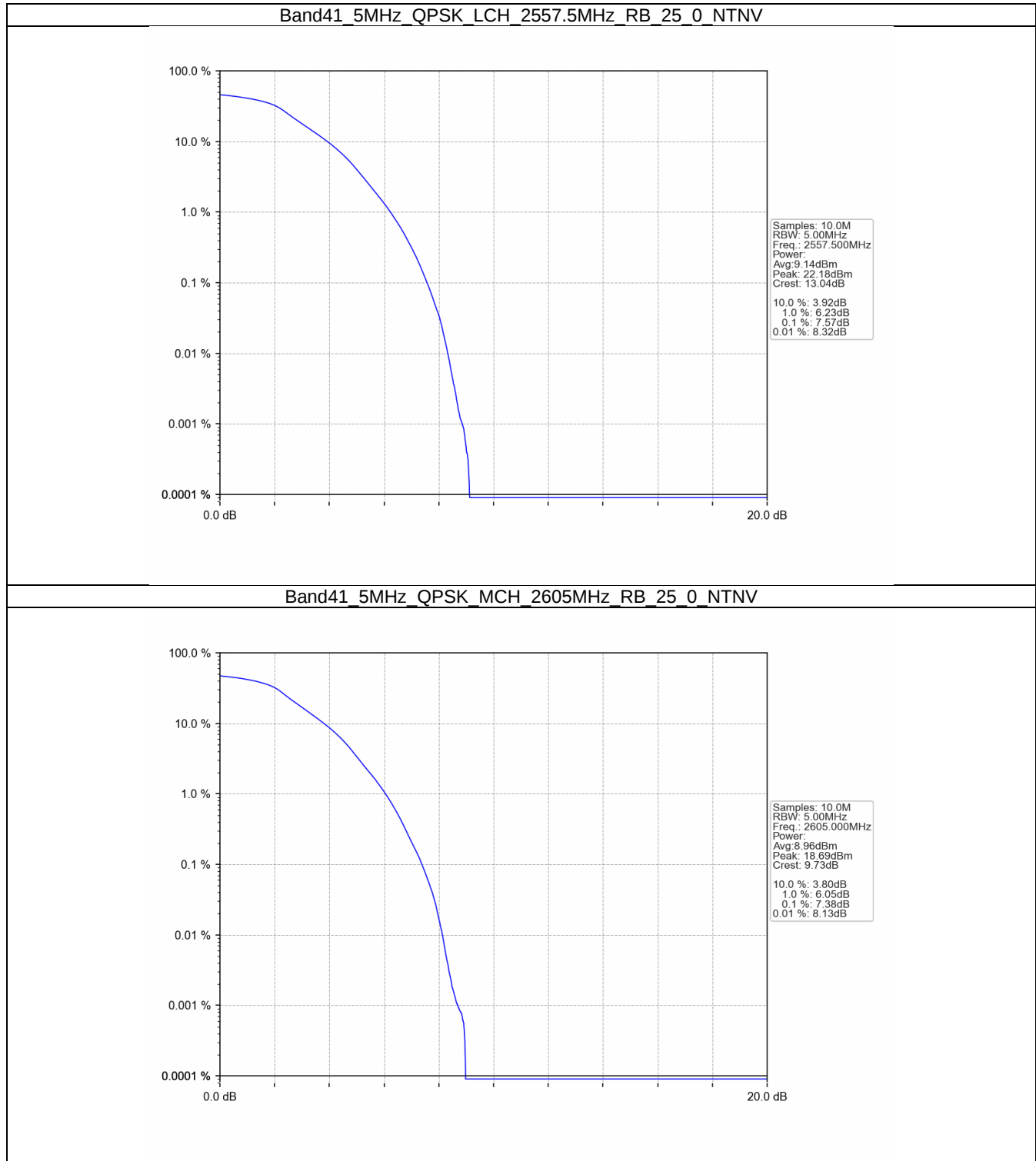
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.68	<=13	Pass
	2605	100	0	7.70	<=13	Pass
	2645	100	0	7.69	<=13	Pass
16QAM	2565	100	0	8.54	<=13	Pass



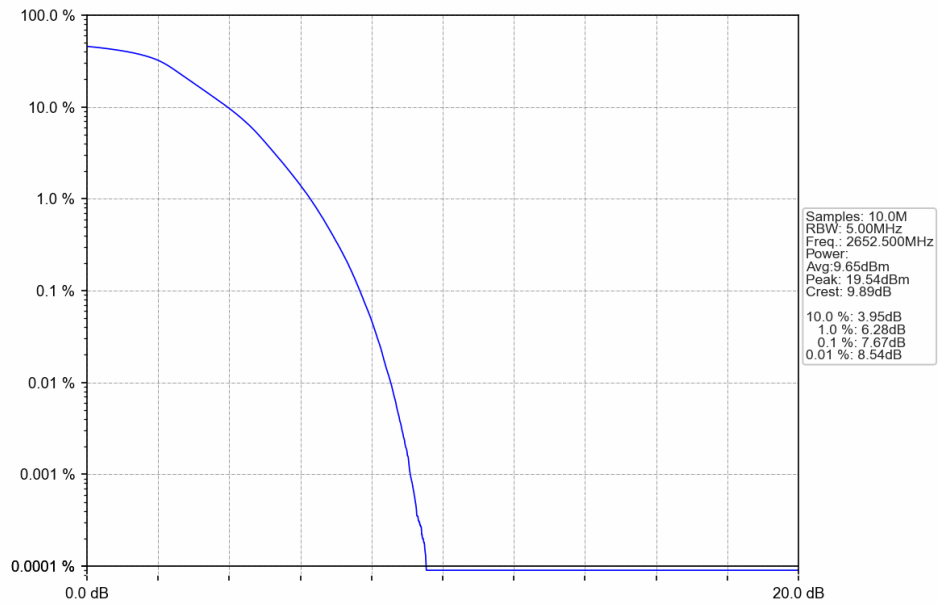
	2605	100	0	8.56	<=13	Pass
	2645	100	0	8.38	<=13	Pass

5.2 Test Graph

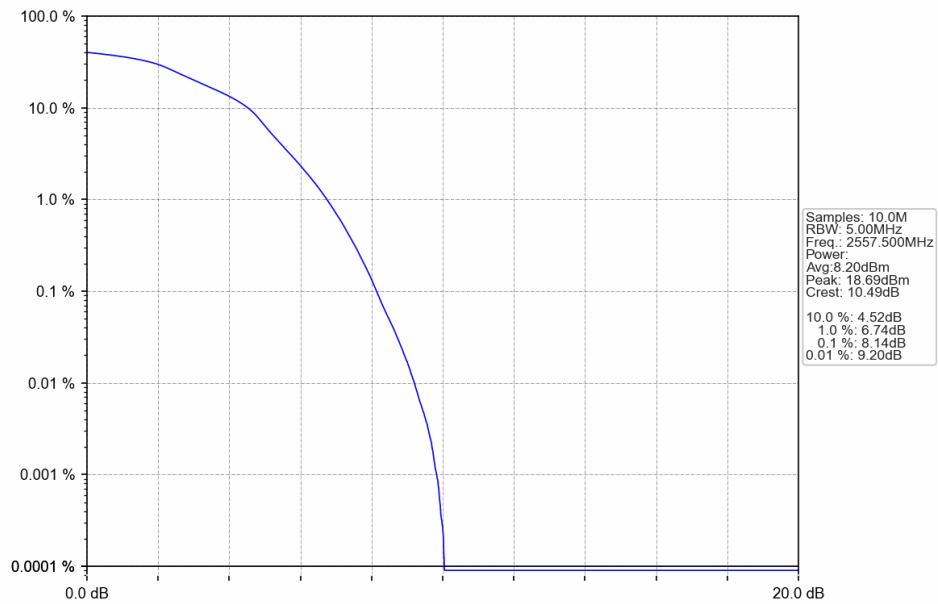
5.2.1 B41_5MHz



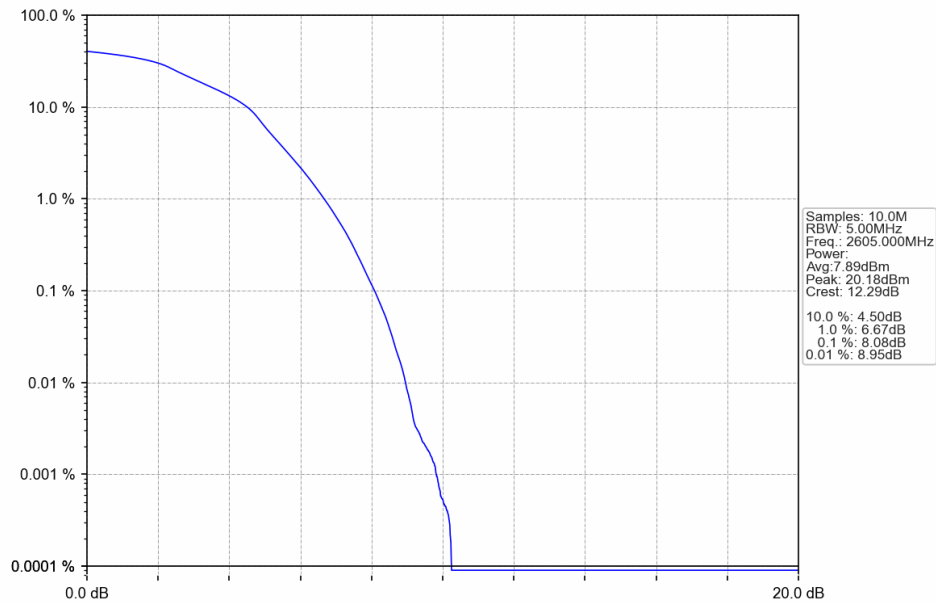
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



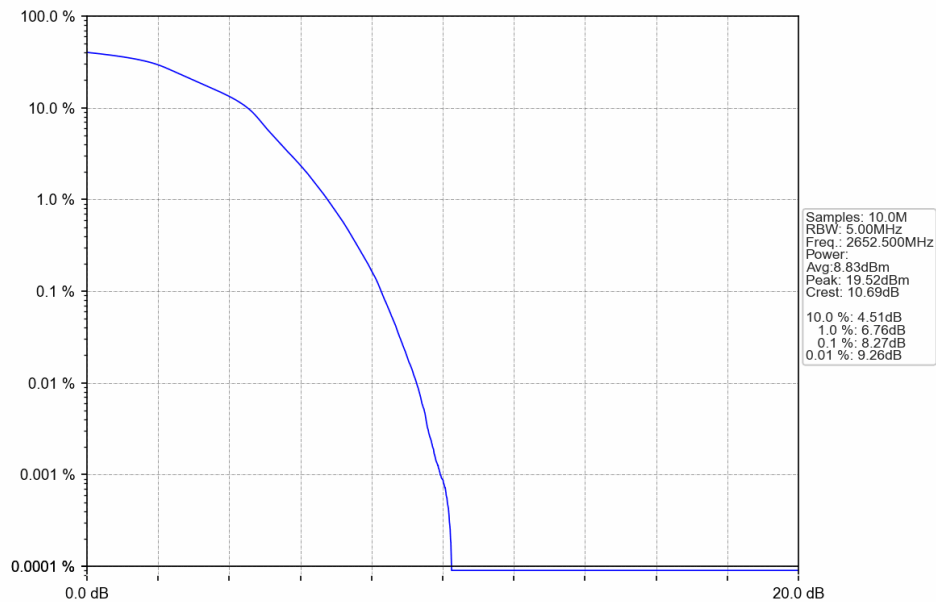
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



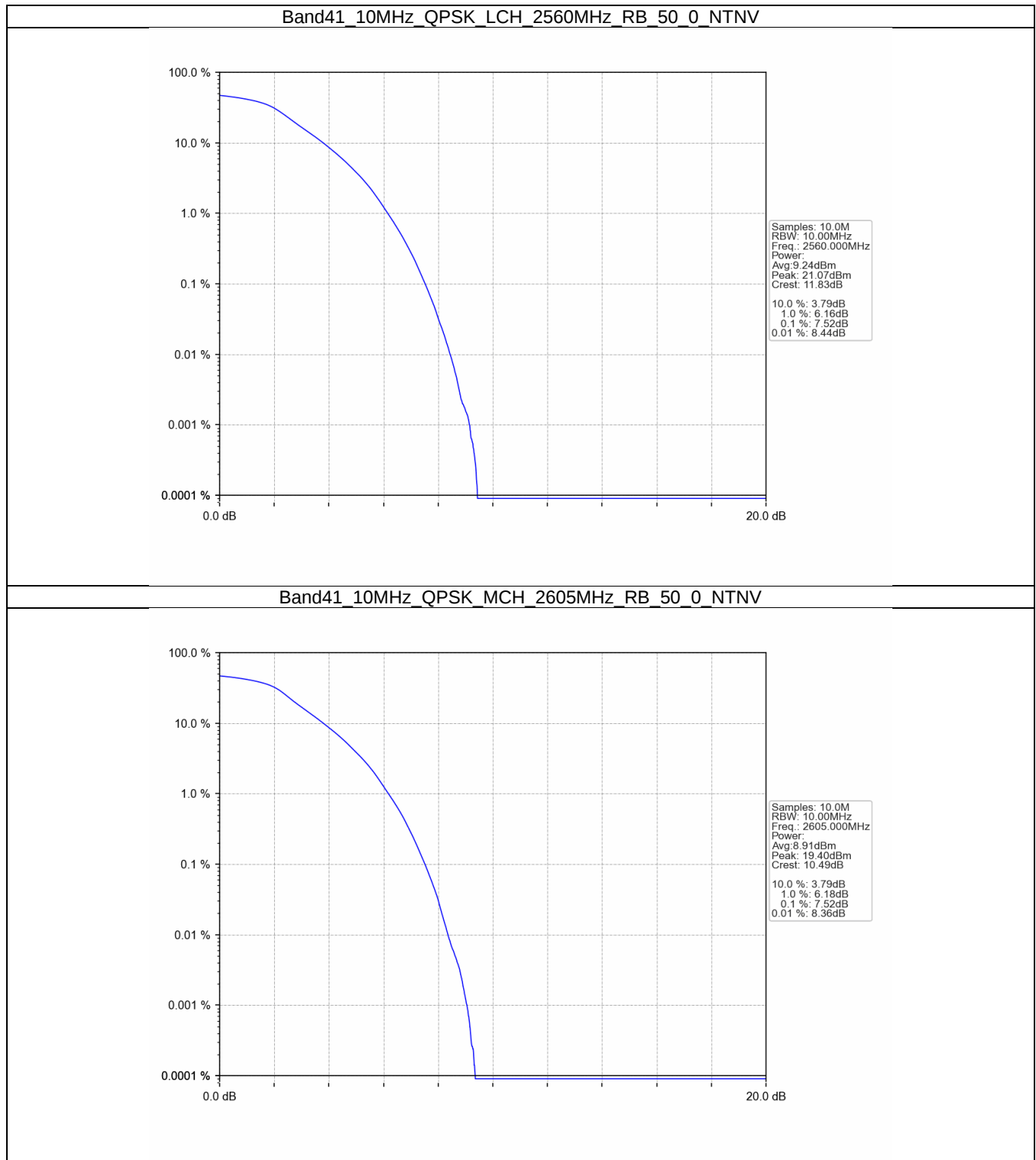
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



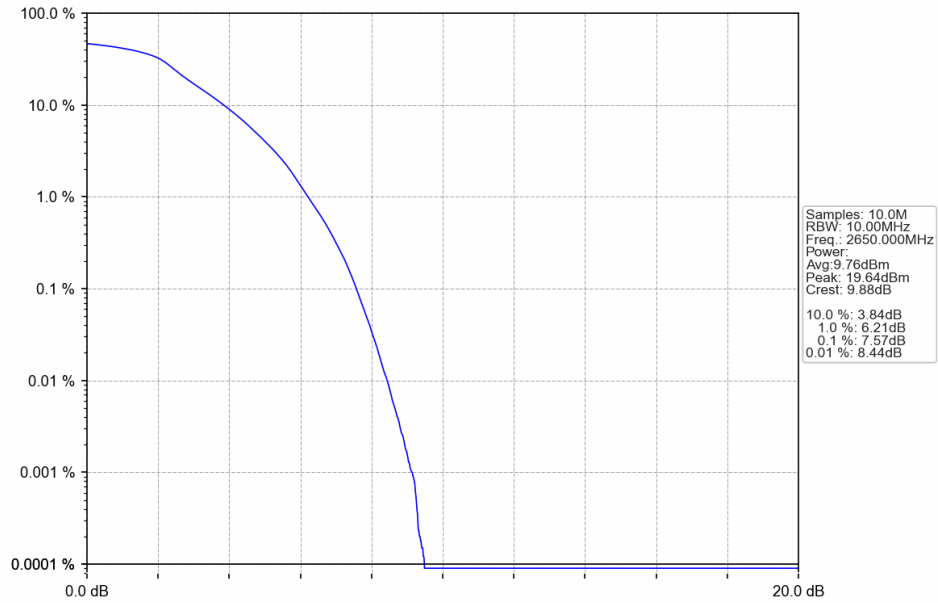
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



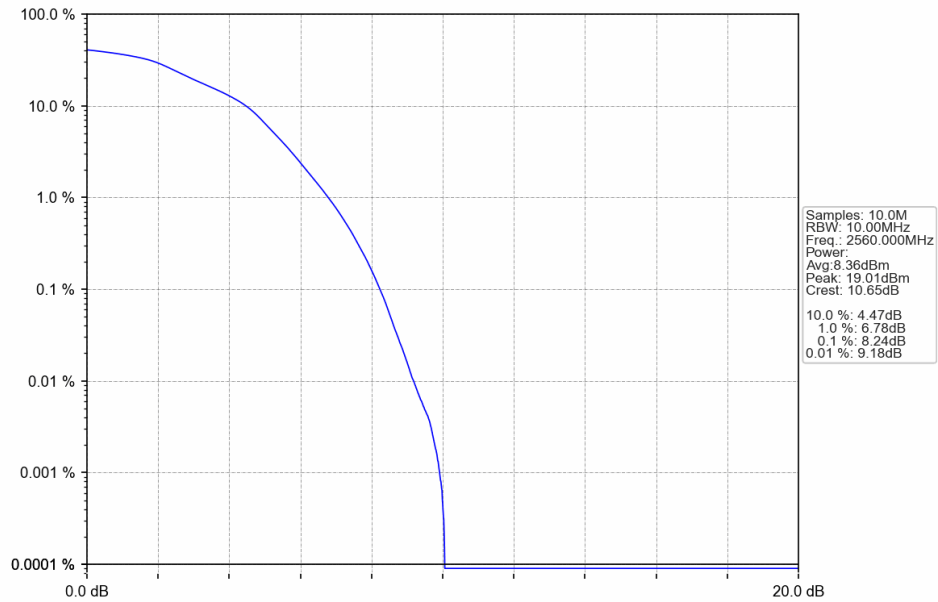
5.2.2 B41_10MHz



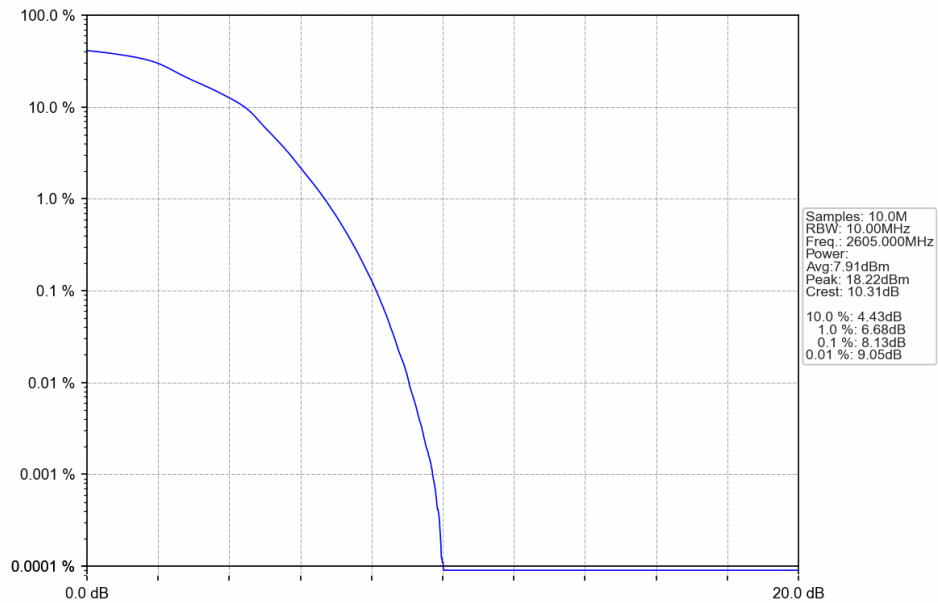
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



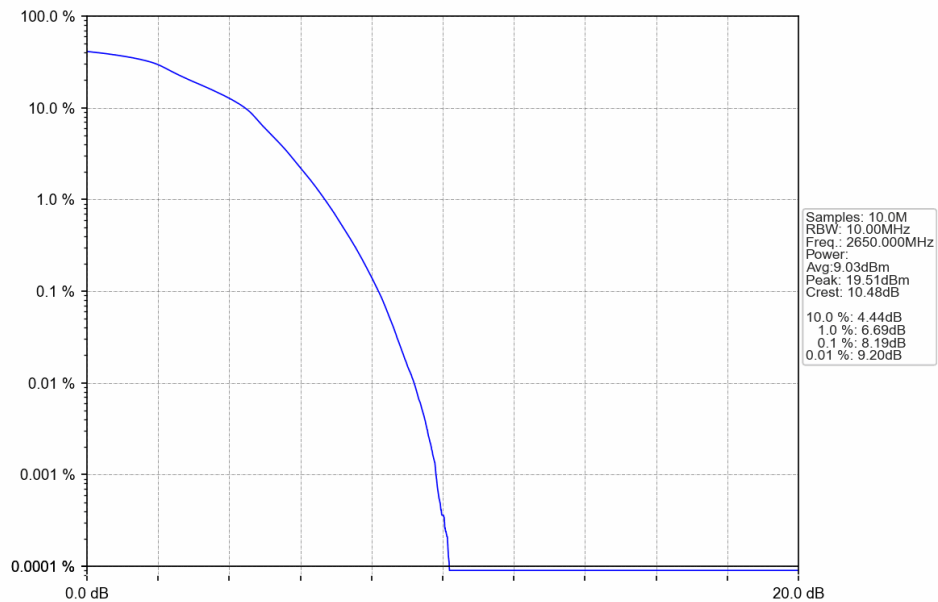
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



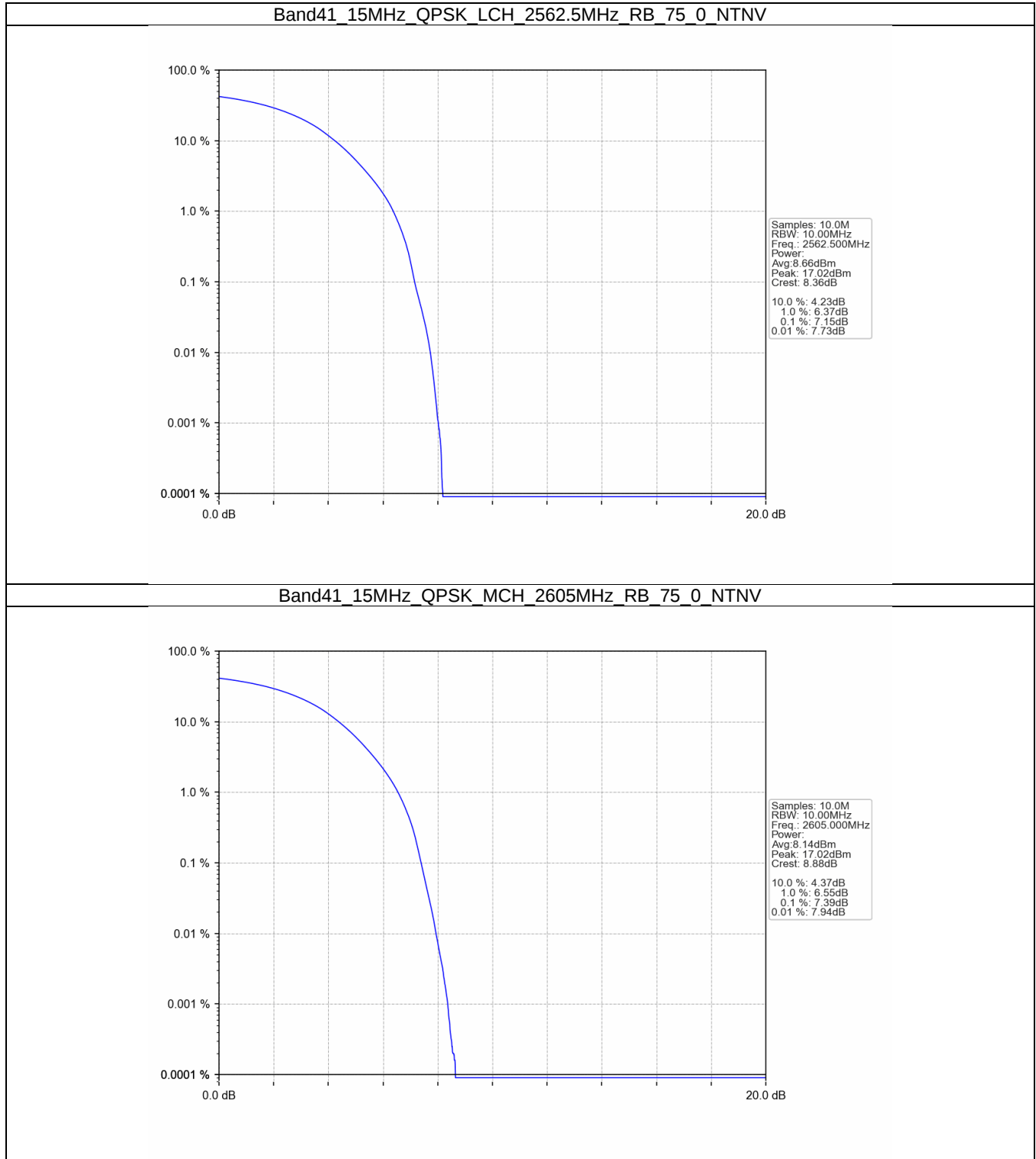
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



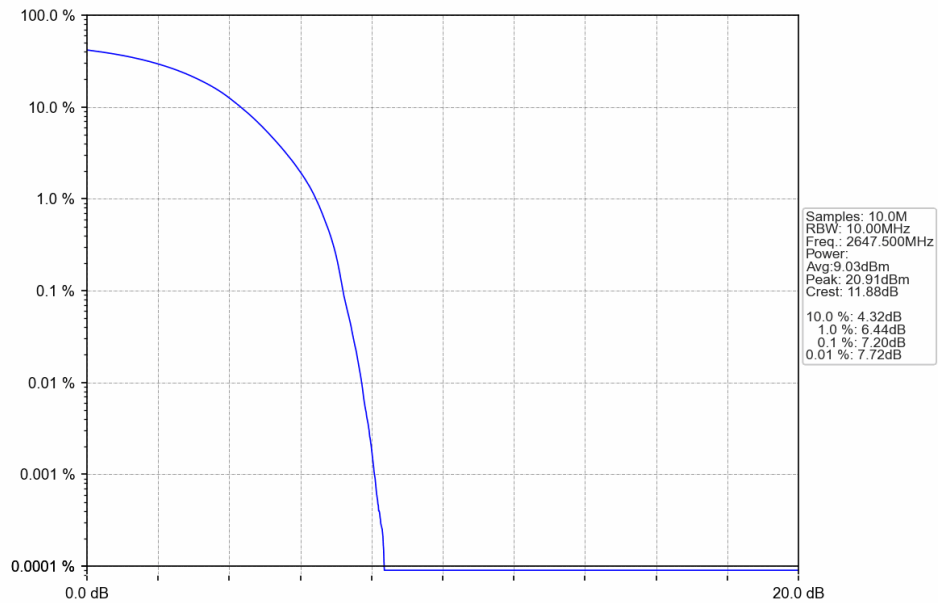
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



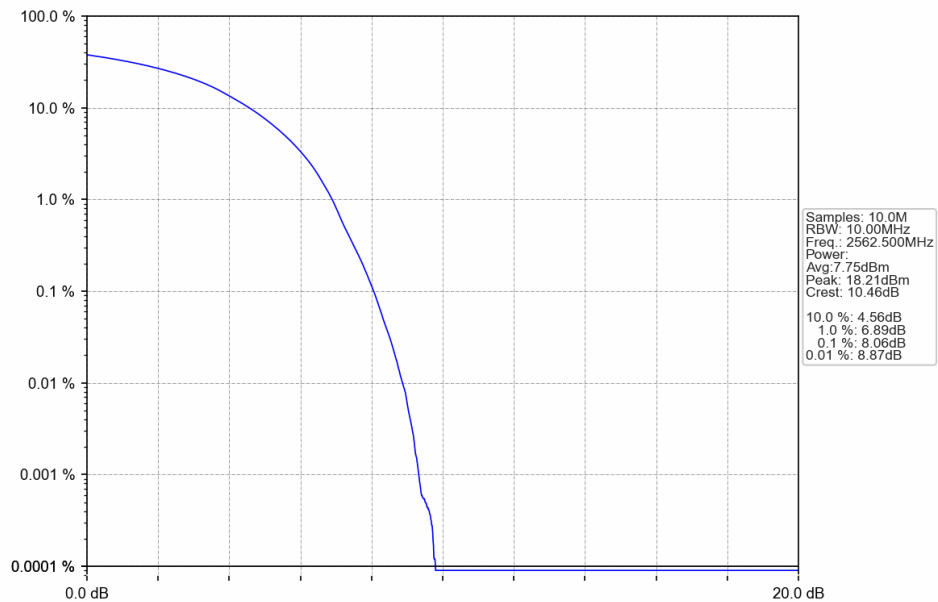
5.2.3 B41_15MHz



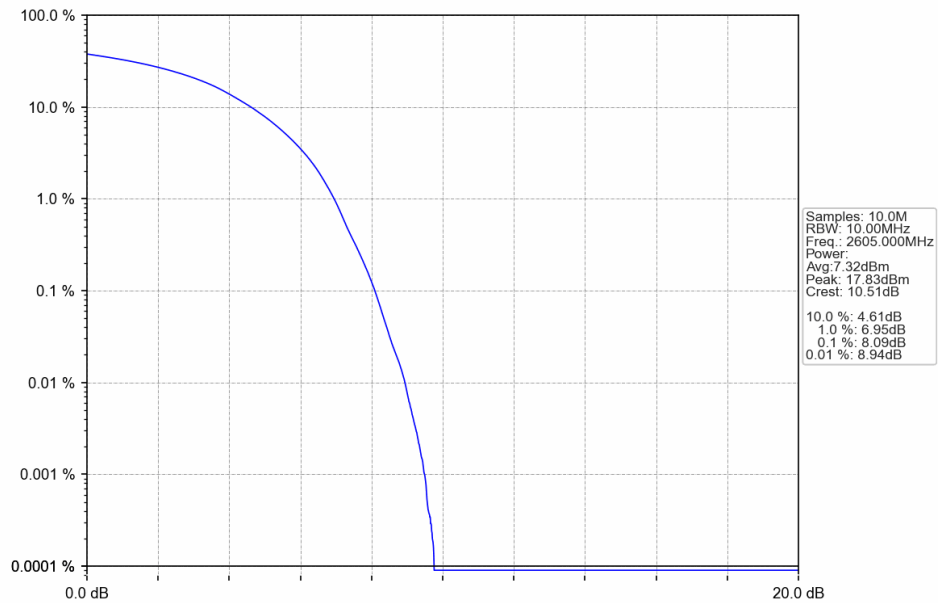
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



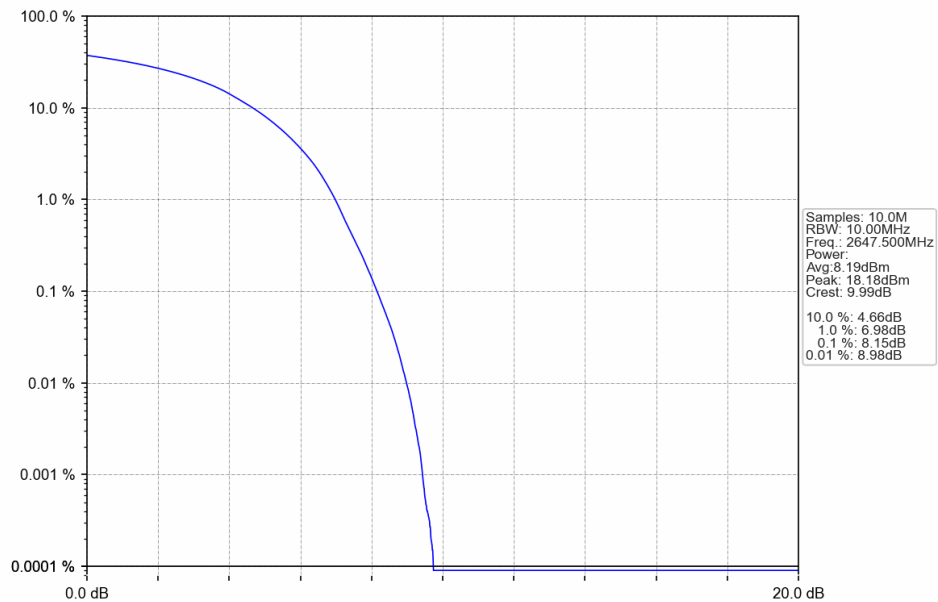
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



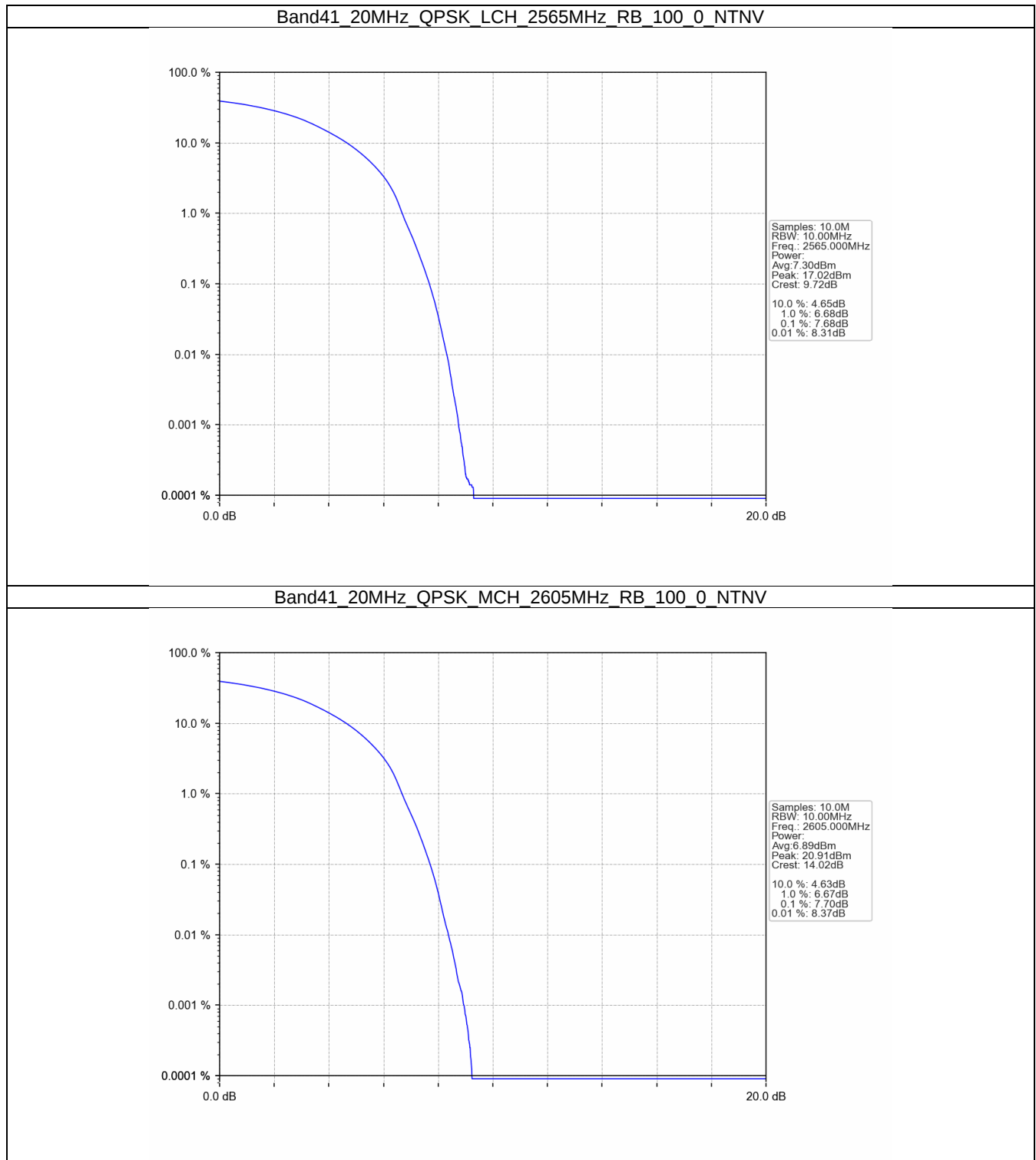
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



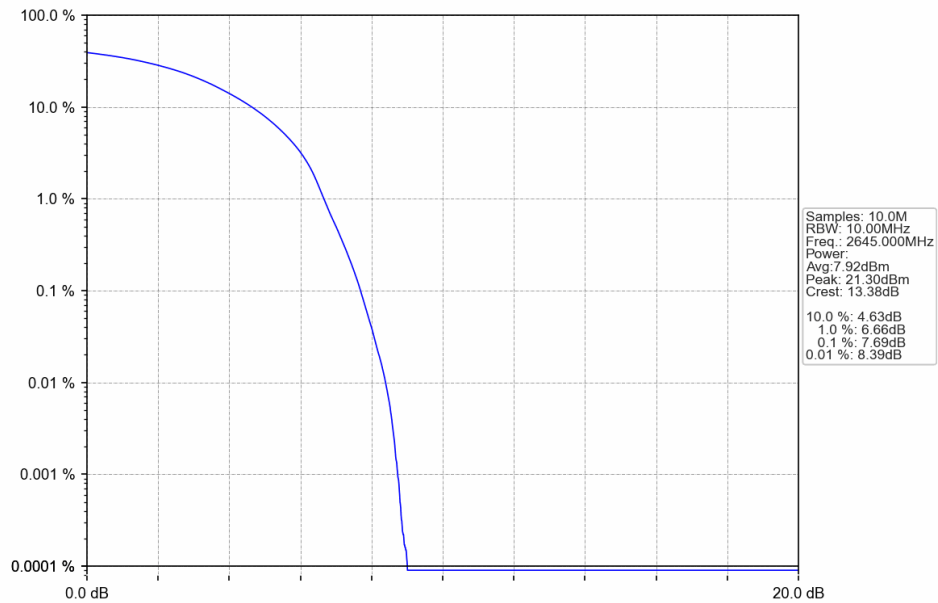
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



5.2.4 B41_20MHz



Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV

