1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	22.08	0.35	22.43	<=33.01	Pass
			13	22.05	0.35	22.40	<=33.01	Pass
			24	22.10	0.35	22.45	<=33.01	Pass
		12	0	20.96	0.35	21.31	<=33.01	Pass
			6	20.98	0.35	21.33	<=33.01	Pass
			13	20.99	0.35	21.34	<=33.01	Pass
		25	0	20.96	0.35	21.31	<=33.01	Pass
	2593	1	0	23.17	0.35	23.52	<=33.01	Pass
			13	23.21	0.35	23.56	<=33.01	Pass
			24	23.25	0.35	23.60	<=33.01	Pass
		12	0	22.16	0.35	22.51	<=33.01	Pass
			6	22.16	0.35	22.51	<=33.01	Pass
			13	22.18	0.35	22.53	<=33.01	Pass
		25	0	22.21	0.35	22.56	<=33.01	Pass
	2687.5	1	0	23.54	0.35	23.89	<=33.01	Pass
			13	23.48	0.35	23.83	<=33.01	Pass
			24	23.31	0.35	23.66	<=33.01	Pass
		12	0	22.33	0.35	22.68	<=33.01	Pass
			6	22.28	0.35	22.63	<=33.01	Pass
			13	22.25	0.35	22.60	<=33.01	Pass
		25	0	22.34	0.35	22.69	<=33.01	Pass
16QAM	2498.5	1	0	21.00	0.35	21.35	<=33.01	Pass
			13	20.96	0.35	21.31	<=33.01	Pass
			24	20.98	0.35	21.33	<=33.01	Pass
		12	0	19.91	0.35	20.26	<=33.01	Pass
			6	19.93	0.35	20.28	<=33.01	Pass
			13	19.90	0.35	20.25	<=33.01	Pass
		25	0	19.96	0.35	20.31	<=33.01	Pass
	2593	1	0	22.13	0.35	22.48	<=33.01	Pass
			13	22.17	0.35	22.52	<=33.01	Pass
			24	22.26	0.35	22.61	<=33.01	Pass
		12	0	21.21	0.35	21.56	<=33.01	Pass
			6	21.22	0.35	21.57	<=33.01	Pass
			13	21.20	0.35	21.55	<=33.01	Pass
		25	0	21.28	0.35	21.63	<=33.01	Pass
	2687.5	1	0	22.36	0.35	22.71	<=33.01	Pass
			13	22.37	0.35	22.72	<=33.01	Pass
			24	22.52	0.35	22.87	<=33.01	Pass
		12	0	21.31	0.35	21.66	<=33.01	Pass
			6	21.32	0.35	21.67	<=33.01	Pass
			13	21.26	0.35	21.61	<=33.01	Pass
		25	0	21.26	0.35	21.61	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	22.07	0.35	22.42	<=33.01	Pass
			25	22.16	0.35	22.51	<=33.01	Pass
			49	22.02	0.35	22.37	<=33.01	Pass
		25	0	20.93	0.35	21.28	<=33.01	Pass
			13	20.99	0.35	21.34	<=33.01	Pass
			25	21.01	0.35	21.36	<=33.01	Pass
		50	0	20.99	0.35	21.34	<=33.01	Pass
	2593	1	0	23.12	0.35	23.47	<=33.01	Pass
			25	23.22	0.35	23.57	<=33.01	Pass
			49	23.30	0.35	23.65	<=33.01	Pass
		25	0	22.15	0.35	22.50	<=33.01	Pass
			13	22.23	0.35	22.58	<=33.01	Pass
			25	22.25	0.35	22.60	<=33.01	Pass
		50	0	22.27	0.35	22.62	<=33.01	Pass
	2685	1	0	23.37	0.35	23.72	<=33.01	Pass
			25	23.41	0.35	23.76	<=33.01	Pass
			49	23.19	0.35	23.54	<=33.01	Pass
		25	0	22.45	0.35	22.80	<=33.01	Pass
			13	22.43	0.35	22.78	<=33.01	Pass
			25	22.37	0.35	22.72	<=33.01	Pass
		50	0	22.37	0.35	22.72	<=33.01	Pass
16QAM	2501	1	0	21.05	0.35	21.40	<=33.01	Pass
			25	21.07	0.35	21.42	<=33.01	Pass
			49	20.99	0.35	21.34	<=33.01	Pass
		25	0	19.95	0.35	20.30	<=33.01	Pass
			13	20.01	0.35	20.36	<=33.01	Pass
			25	20.03	0.35	20.38	<=33.01	Pass
		50	0	19.96	0.35	20.31	<=33.01	Pass
	2593	1	0	22.01	0.35	22.36	<=33.01	Pass
			25	22.02	0.35	22.37	<=33.01	Pass
			49	22.18	0.35	22.53	<=33.01	Pass
		25	0	21.16	0.35	21.51	<=33.01	Pass
			13	21.24	0.35	21.59	<=33.01	Pass
			25	21.28	0.35	21.63	<=33.01	Pass
		50	0	21.21	0.35	21.56	<=33.01	Pass
	2685	1	0	22.41	0.35	22.76	<=33.01	Pass
			25	22.31	0.35	22.66	<=33.01	Pass
			49	22.26	0.35	22.61	<=33.01	Pass
		25	0	21.51	0.35	21.86	<=33.01	Pass
			13	21.45	0.35	21.80	<=33.01	Pass
			25	21.34	0.35	21.69	<=33.01	Pass
		50	0	21.48	0.35	21.83	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	22.00	0.35	22.35	<=33.01	Pass
			38	22.03	0.35	22.38	<=33.01	Pass
			74	21.97	0.35	22.32	<=33.01	Pass
		36	0	20.90	0.35	21.25	<=33.01	Pass
			18	20.93	0.35	21.28	<=33.01	Pass
			39	20.92	0.35	21.27	<=33.01	Pass
		75	0	20.91	0.35	21.26	<=33.01	Pass
	2593	1	0	23.02	0.35	23.37	<=33.01	Pass
			38	23.20	0.35	23.55	<=33.01	Pass
			74	23.21	0.35	23.56	<=33.01	Pass
		36	0	22.06	0.35	22.41	<=33.01	Pass
			18	22.17	0.35	22.52	<=33.01	Pass
			39	22.23	0.35	22.58	<=33.01	Pass
		75	0	22.17	0.35	22.52	<=33.01	Pass
	2682.5	1	0	23.35	0.35	23.70	<=33.01	Pass
			38	23.51	0.35	23.86	<=33.01	Pass
			74	23.13	0.35	23.48	<=33.01	Pass
		36	0	22.46	0.35	22.81	<=33.01	Pass
			18	22.36	0.35	22.71	<=33.01	Pass
			39	22.31	0.35	22.66	<=33.01	Pass
		75	0	22.38	0.35	22.73	<=33.01	Pass
16QAM	2503.5	1	0	20.82	0.35	21.17	<=33.01	Pass
			38	21.01	0.35	21.36	<=33.01	Pass
			74	21.04	0.35	21.39	<=33.01	Pass
		36	0	19.91	0.35	20.26	<=33.01	Pass
			18	19.94	0.35	20.29	<=33.01	Pass
			39	19.90	0.35	20.25	<=33.01	Pass
		75	0	19.93	0.35	20.28	<=33.01	Pass
	2593	1	0	21.91	0.35	22.26	<=33.01	Pass
			38	22.02	0.35	22.37	<=33.01	Pass
			74	22.17	0.35	22.52	<=33.01	Pass
		36	0	21.05	0.35	21.40	<=33.01	Pass
			18	21.13	0.35	21.48	<=33.01	Pass
			39	21.23	0.35	21.58	<=33.01	Pass
		75	0	21.16	0.35	21.51	<=33.01	Pass
	2682.5	1	0	22.73	0.35	23.08	<=33.01	Pass
			38	22.33	0.35	22.68	<=33.01	Pass
			74	22.00	0.35	22.35	<=33.01	Pass
		36	0	21.52	0.35	21.87	<=33.01	Pass
			18	21.48	0.35	21.83	<=33.01	Pass
			39	21.30	0.35	21.65	<=33.01	Pass
		75	0	21.38	0.35	21.73	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.00	0.35	22.35	<=33.01	Pass
			50	22.07	0.35	22.42	<=33.01	Pass

			99	21.94	0.35	22.29	<=33.01	Pass
		50	0	20.92	0.35	21.27	<=33.01	Pass
			25	21.02	0.35	21.37	<=33.01	Pass
			50	21.00	0.35	21.35	<=33.01	Pass
		100	0	20.96	0.35	21.31	<=33.01	Pass
	2593	1	0	23.02	0.35	23.37	<=33.01	Pass
			50	23.17	0.35	23.52	<=33.01	Pass
			99	23.24	0.35	23.59	<=33.01	Pass
		50	0	22.12	0.35	22.47	<=33.01	Pass
			25	22.27	0.35	22.62	<=33.01	Pass
			50	22.29	0.35	22.64	<=33.01	Pass
		100	0	22.23	0.35	22.58	<=33.01	Pass
	2680	1	0	23.37	0.35	23.72	<=33.01	Pass
			50	23.38	0.35	23.73	<=33.01	Pass
			99	23.13	0.35	23.48	<=33.01	Pass
		50	0	22.57	0.35	22.92	<=33.01	Pass
			25	22.50	0.35	22.85	<=33.01	Pass
			50	22.32	0.35	22.67	<=33.01	Pass
		100	0	22.43	0.35	22.78	<=33.01	Pass
16QAM	2506	1	0	20.86	0.35	21.21	<=33.01	Pass
			50	20.97	0.35	21.32	<=33.01	Pass
			99	20.84	0.35	21.19	<=33.01	Pass
		50	0	19.87	0.35	20.22	<=33.01	Pass
			25	19.96	0.35	20.31	<=33.01	Pass
			50	19.94	0.35	20.29	<=33.01	Pass
		100	0	19.91	0.35	20.26	<=33.01	Pass
	2593	1	0	21.91	0.35	22.26	<=33.01	Pass
			50	22.00	0.35	22.35	<=33.01	Pass
			99	22.41	0.35	22.76	<=33.01	Pass
		50	0	21.17	0.35	21.52	<=33.01	Pass
			25	21.22	0.35	21.57	<=33.01	Pass
			50	21.33	0.35	21.68	<=33.01	Pass
		100	0	21.18	0.35	21.53	<=33.01	Pass
	2680	1	0	22.17	0.35	22.52	<=33.01	Pass
			50	22.63	0.35	22.98	<=33.01	Pass
			99	22.38	0.35	22.73	<=33.01	Pass
		50	0	20.85	0.35	21.20	<=33.01	Pass
			25	20.83	0.35	21.18	<=33.01	Pass
			50	20.67	0.35	21.02	<=33.01	Pass
		100	0	20.80	0.35	21.15	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

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	2498.5	25	0	20	3.27	0.157	0.0001	-2.5 to 2.5	Pass
					3.85	2.489	0.0010	-2.5 to 2.5	Pass
					4.43	3.290	0.0013	-2.5 to 2.5	Pass

				-30	3.85	-5.150	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	2.718	0.0010	-2.5 to 2.5	Pass
					3.85	5.836	0.0023	-2.5 to 2.5	Pass
					4.43	4.721	0.0018	-2.5 to 2.5	Pass
				-30	3.85	9.413	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-13.618	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	3.877	0.0015	-2.5 to 2.5	Pass
				0	3.85	-14.505	-0.0056	-2.5 to 2.5	Pass
				10	3.85	4.148	0.0016	-2.5 to 2.5	Pass
				30	3.85	10.843	0.0042	-2.5 to 2.5	Pass
				40	3.85	2.518	0.0010	-2.5 to 2.5	Pass
				50	3.85	5.150	0.0020	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-3.419	-0.0013	-2.5 to 2.5	Pass
					3.85	11.745	0.0044	-2.5 to 2.5	Pass
					4.43	1.702	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-18.439	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	12.774	0.0048	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-8.326	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-12.360	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-11.001	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.251	-0.0023	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.27	1.502	0.0006	-2.5 to 2.5	Pass
					3.85	2.675	0.0011	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.133	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-10.128	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.674	0.0007	-2.5 to 2.5	Pass
				30	3.85	4.034	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.131	0.0009	-2.5 to 2.5	Pass
				50	3.85	4.249	0.0017	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	25.234	0.0097	-2.5 to 2.5	Pass
					3.85	30.241	0.0117	-2.5 to 2.5	Pass
					4.43	33.488	0.0129	-2.5 to 2.5	Pass
				-30	3.85	39.954	0.0154	-2.5 to 2.5	Pass
				-20	3.85	36.964	0.0143	-2.5 to 2.5	Pass
				-10	3.85	54.088	0.0209	-2.5 to 2.5	Pass
				0	3.85	42.286	0.0163	-2.5 to 2.5	Pass
				10	3.85	50.712	0.0196	-2.5 to 2.5	Pass
				30	3.85	57.235	0.0221	-2.5 to 2.5	Pass
				40	3.85	27.652	0.0107	-2.5 to 2.5	Pass
				50	3.85	43.101	0.0166	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-6.895	-0.0026	-2.5 to 2.5	Pass
					3.85	-18.382	-0.0068	-2.5 to 2.5	Pass
					4.43	-17.896	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-9.470	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0010	-2.5 to 2.5	Pass

				-10	3.85	-8.669	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0018	-2.5 to 2.5	Pass
				10	3.85	2.174	0.0008	-2.5 to 2.5	Pass
				30	3.85	-12.345	-0.0046	-2.5 to 2.5	Pass
				40	3.85	4.821	0.0018	-2.5 to 2.5	Pass
				50	3.85	4.120	0.0015	-2.5 to 2.5	Pass

2.2 B41_10MHz

2.2.1 Test Result

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	2501	50	0	20	3.27	-5.836	-0.0023	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0004	-2.5 to 2.5	Pass
					4.43	-6.838	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-9.799	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.047	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
				30	3.85	5.822	0.0023	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-4.506	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
					4.43	4.077	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-12.016	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.761	0.0011	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.860	0.0007	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-7.782	-0.0029	-2.5 to 2.5	Pass
					3.85	9.298	0.0035	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.419	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-4.334	-0.0016	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.27	0.529	0.0002	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
					4.43	0.772	0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.887	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0010	-2.5 to 2.5	Pass

				30	3.85	5.980	0.0024	-2.5 to 2.5	Pass
				40	3.85	5.822	0.0023	-2.5 to 2.5	Pass
				50	3.85	0.057	0.0000	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	1.631	0.0006	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.804	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0002	-2.5 to 2.5	Pass
				30	3.85	-3.433	-0.0013	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-10.085	-0.0039	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	6.323	0.0024	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.334	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0013	-2.5 to 2.5	Pass

2.3 B41_15MHz

2.3.1 Test Result

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	2503.5	75	0	20	3.27	-5.722	-0.0023	-2.5 to 2.5	Pass
					3.85	0.873	0.0003	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	7.854	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.522	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
				50	3.85	1.931	0.0008	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	1.874	0.0007	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.602	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				0	3.85	2.046	0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.176	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass

	2682.5	75	0	20	3.27	-6.852	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0019	-2.5 to 2.5	Pass
					4.43	6.623	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0005	-2.5 to 2.5	Pass
				-10	3.85	3.176	0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.419	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-6.838	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-3.977	-0.0016	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				0	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				10	3.85	5.965	0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.529	0.0002	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-2.675	-0.0010	-2.5 to 2.5	Pass
					3.85	0.501	0.0002	-2.5 to 2.5	Pass
					4.43	-5.107	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.346	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.948	0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-10.686	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.992	-0.0019	-2.5 to 2.5	Pass
					4.43	-10.171	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-9.356	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-4.163	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-12.975	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0018	-2.5 to 2.5	Pass
				50	3.85	1.144	0.0004	-2.5 to 2.5	Pass

2.4 B41_20MHz

2.4.1 Test Result

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	2506	100	0	20	3.27	2.260	0.0009	-2.5 to 2.5	Pass
					3.85	5.150	0.0021	-2.5 to 2.5	Pass
					4.43	4.020	0.0016	-2.5 to 2.5	Pass

				-30	3.85	0.901	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.004	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-6.766	-0.0027	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0022	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	0.558	0.0002	-2.5 to 2.5	Pass
					3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
					4.43	-9.055	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.948	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	4.120	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0023	-2.5 to 2.5	Pass
				30	3.85	1.273	0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-4.535	-0.0017	-2.5 to 2.5	Pass
					3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0008	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.445	0.0005	-2.5 to 2.5	Pass
				0	3.85	-10.071	-0.0038	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				30	3.85	3.762	0.0014	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0028	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	6.380	0.0025	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-8.726	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	6.080	0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
				30	3.85	3.233	0.0013	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0016	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-4.706	-0.0018	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0025	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-3.633	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-1.130	-0.0004	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.420	-0.0016	-2.5 to 2.5	Pass

				-10	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				30	3.85	4.377	0.0016	-2.5 to 2.5	Pass
				40	3.85	1.602	0.0006	-2.5 to 2.5	Pass
				50	3.85	3.390	0.0013	-2.5 to 2.5	Pass

3. Modulation Characteristics

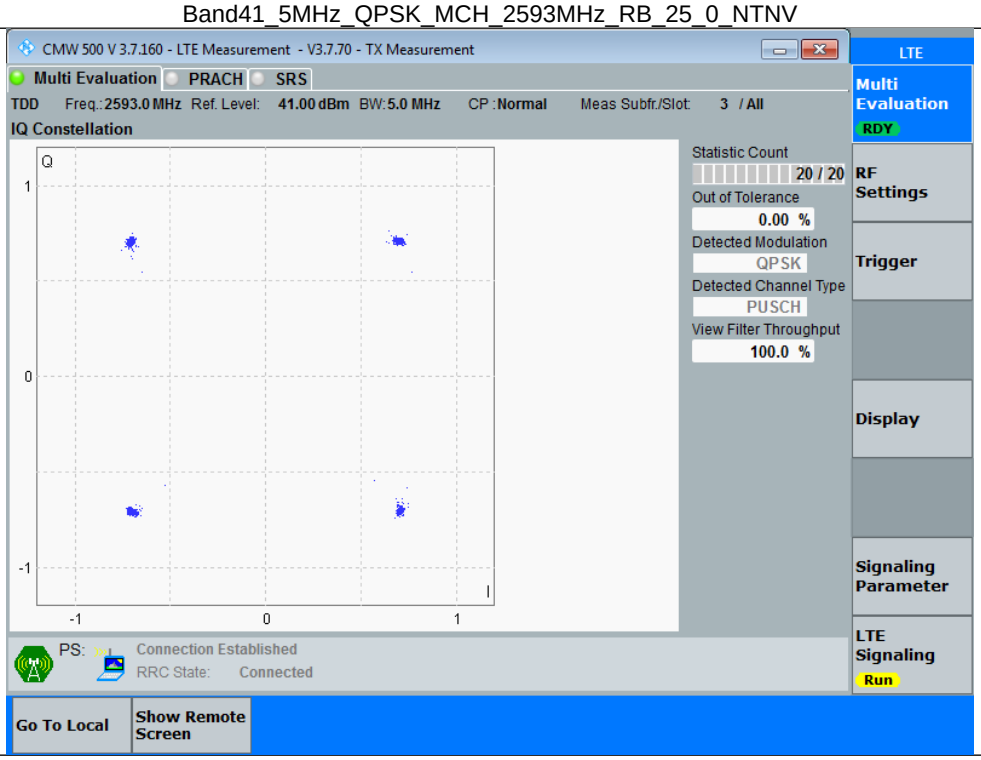
3.1 B41_5MHz

3.1.1 Test Result

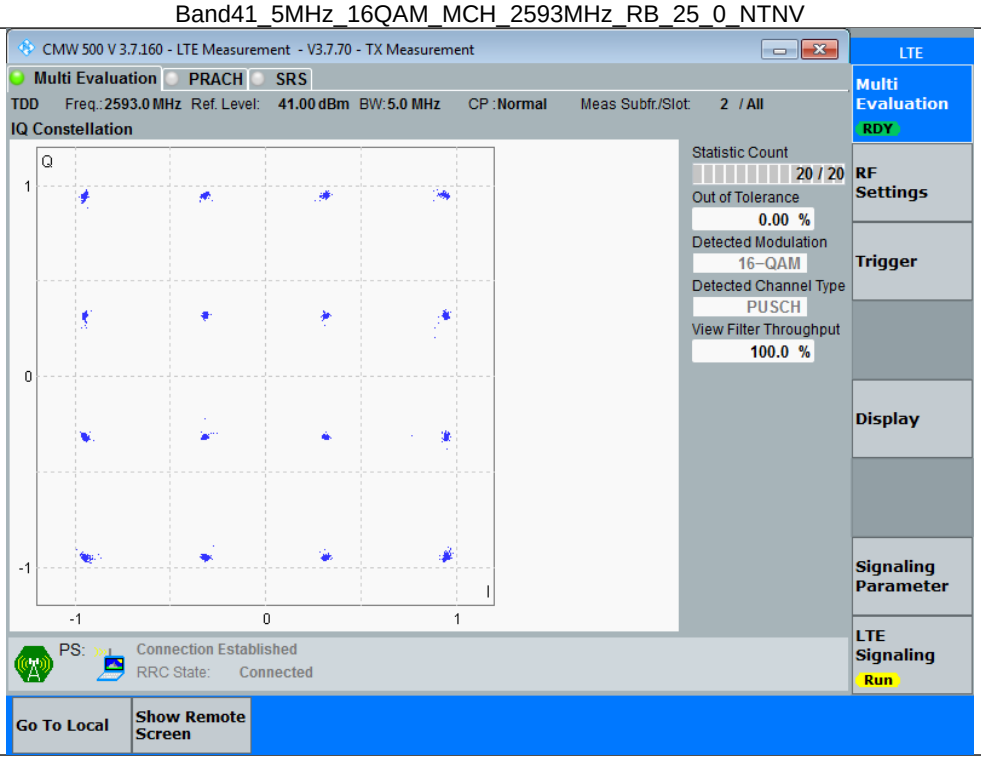
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



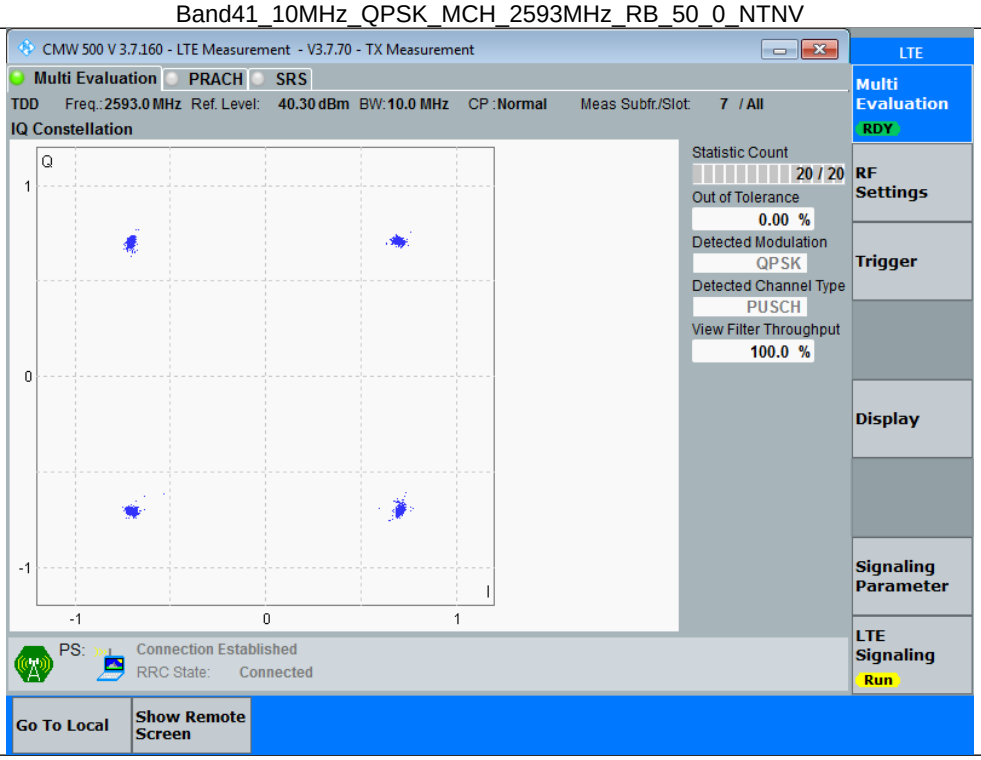
3.2 B41_10MHz

3.2.1 Test Result

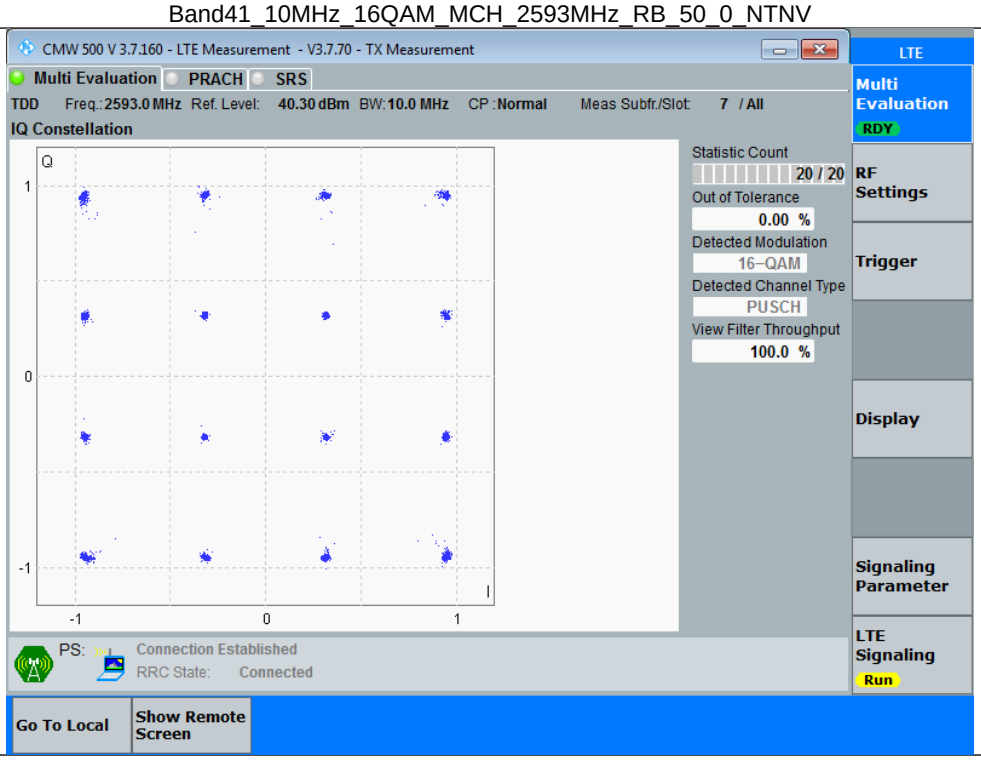
Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



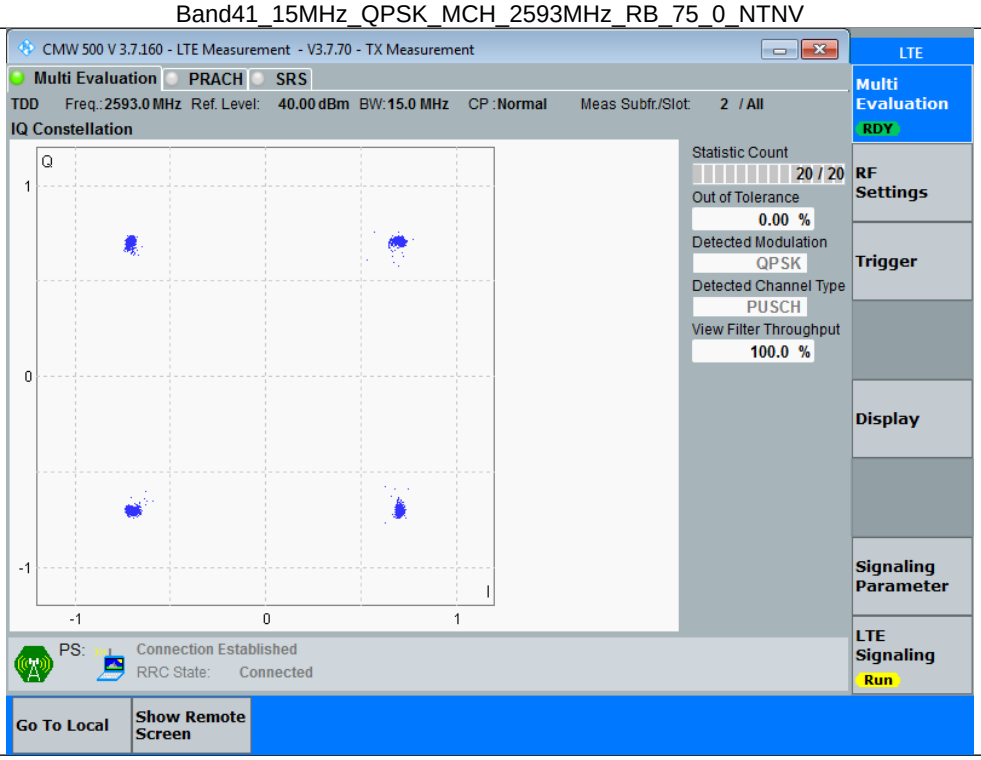
3.3 B41_15MHz

3.3.1 Test Result

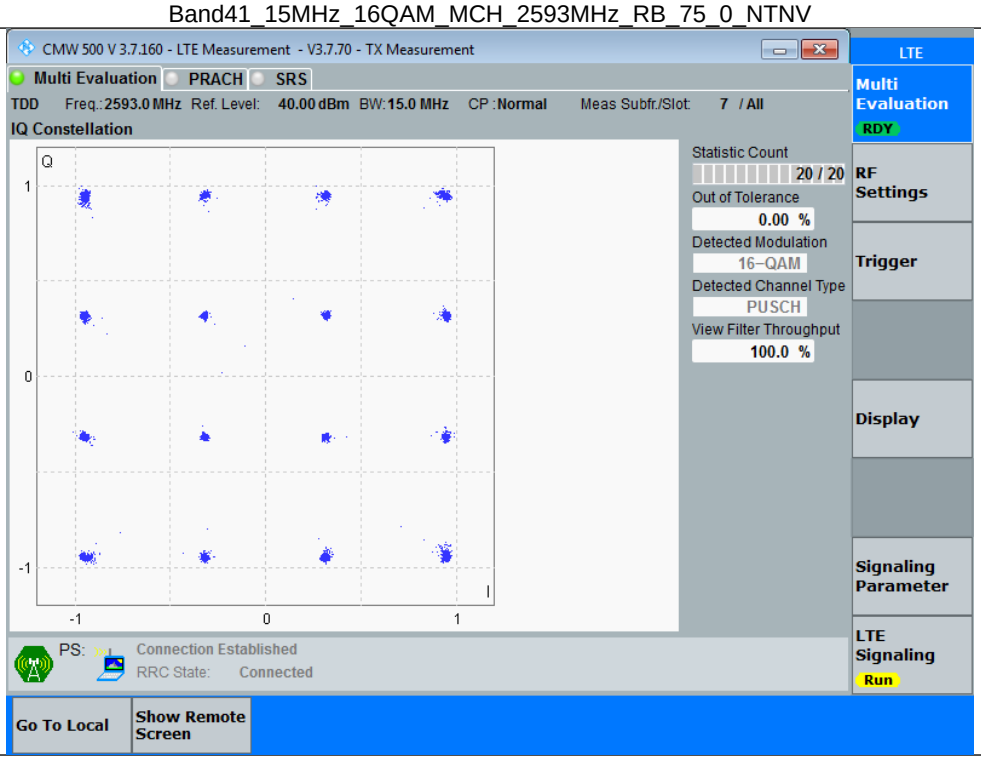
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



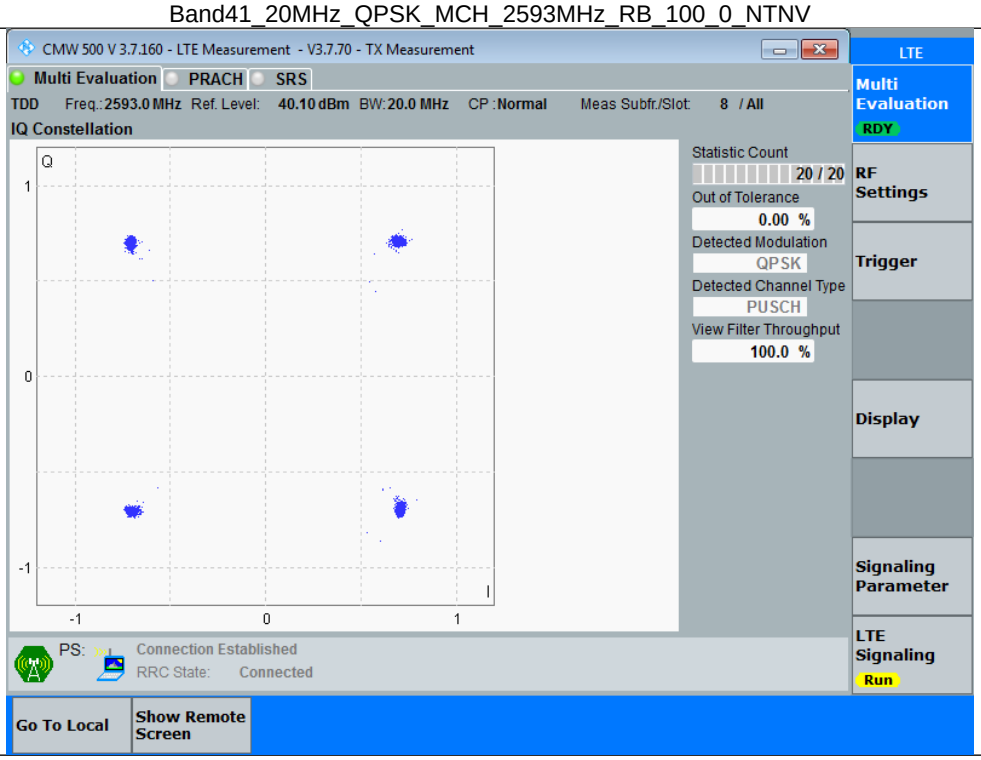
3.4 B41_20MHz

3.4.1 Test Result

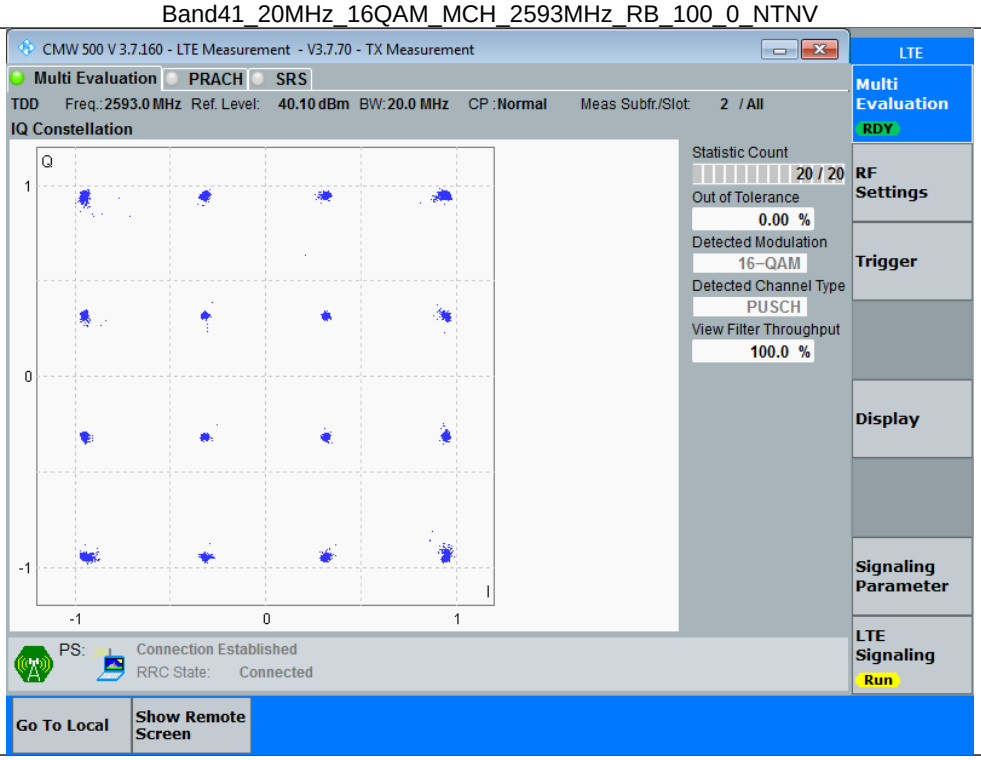
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

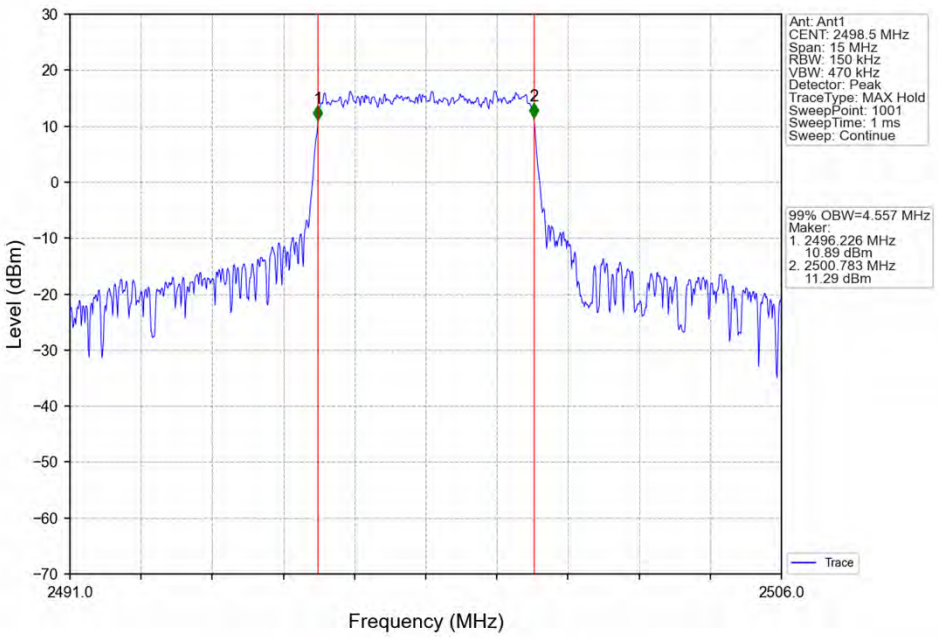
4.1 Band41_OBW

4.1.1 Test Result

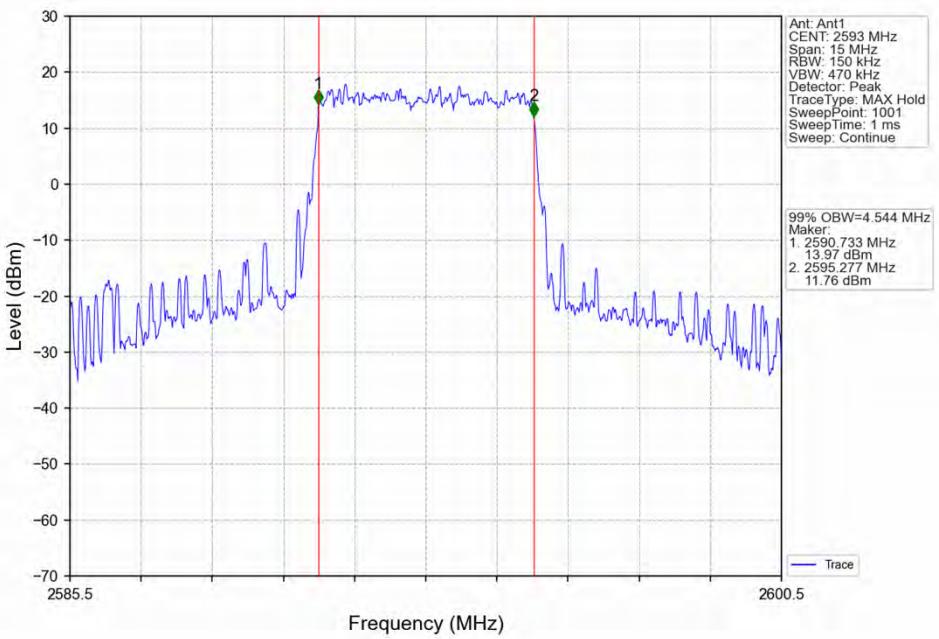
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.557	Pass
		2593	25	0	4.544	Pass
		2687.5	25	0	4.554	Pass
	16QAM	2498.5	25	0	4.552	Pass
		2593	25	0	4.532	Pass
		2687.5	25	0	4.552	Pass
10	QPSK	2501	50	0	9.057	Pass
		2593	50	0	9.096	Pass
		2685	50	0	9.097	Pass
	16QAM	2501	50	0	9.040	Pass
		2593	50	0	9.068	Pass
		2685	50	0	9.066	Pass
15	QPSK	2503.5	75	0	13.599	Pass
		2593	75	0	13.581	Pass
		2682.5	75	0	13.576	Pass
	16QAM	2503.5	75	0	13.615	Pass
		2593	75	0	13.608	Pass
		2682.5	75	0	13.670	Pass
20	QPSK	2506	100	0	18.089	Pass
		2593	100	0	18.067	Pass
		2680	100	0	18.134	Pass
	16QAM	2506	100	0	18.060	Pass
		2593	100	0	18.128	Pass
		2680	100	0	18.131	Pass

4.1.2 Test Graph

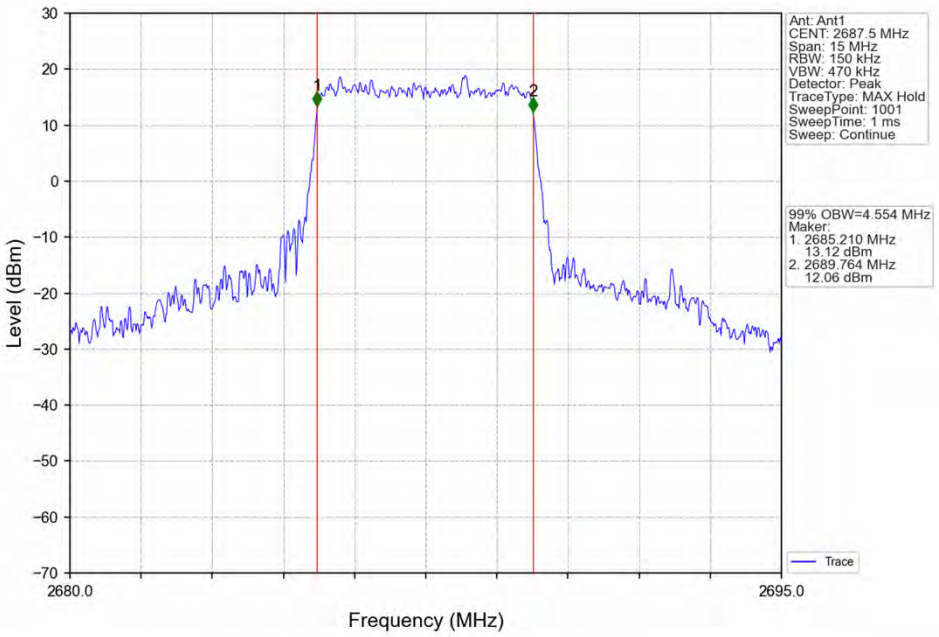
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



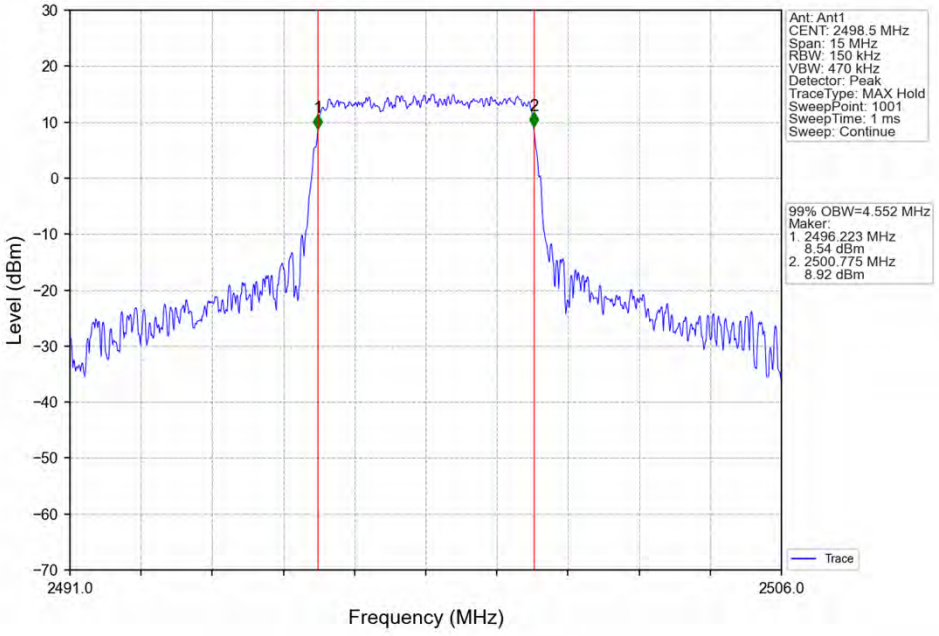
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



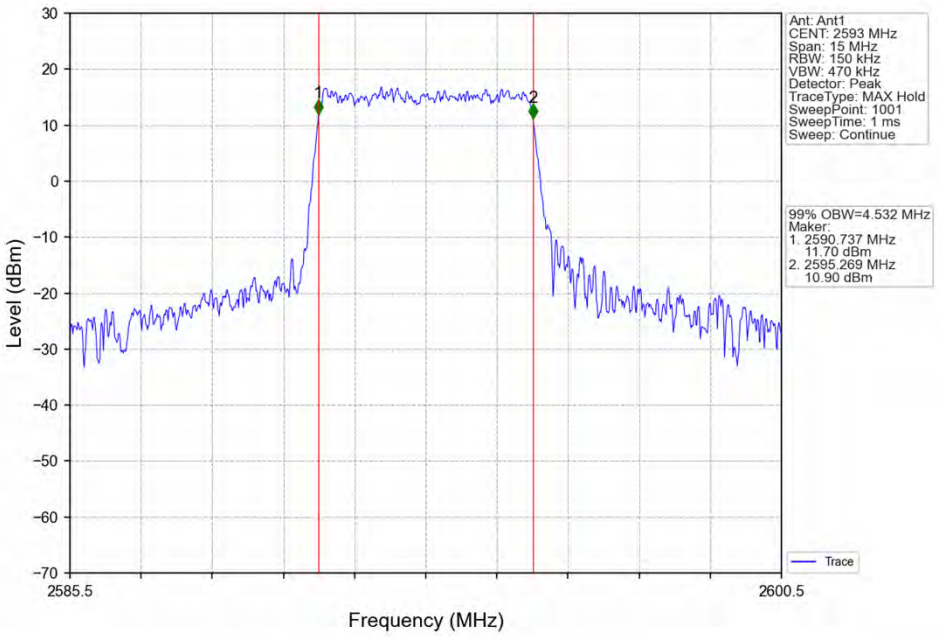
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



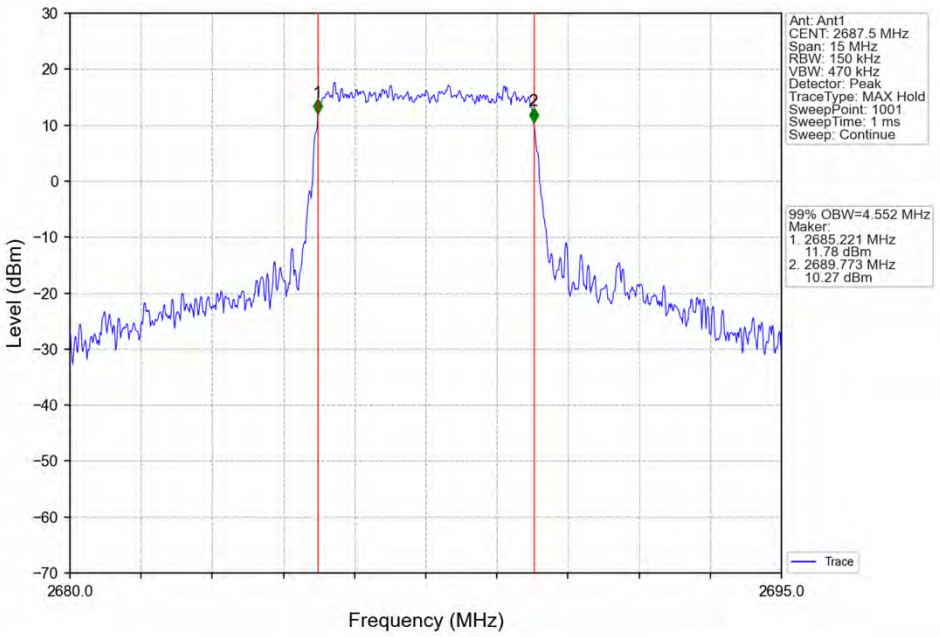
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



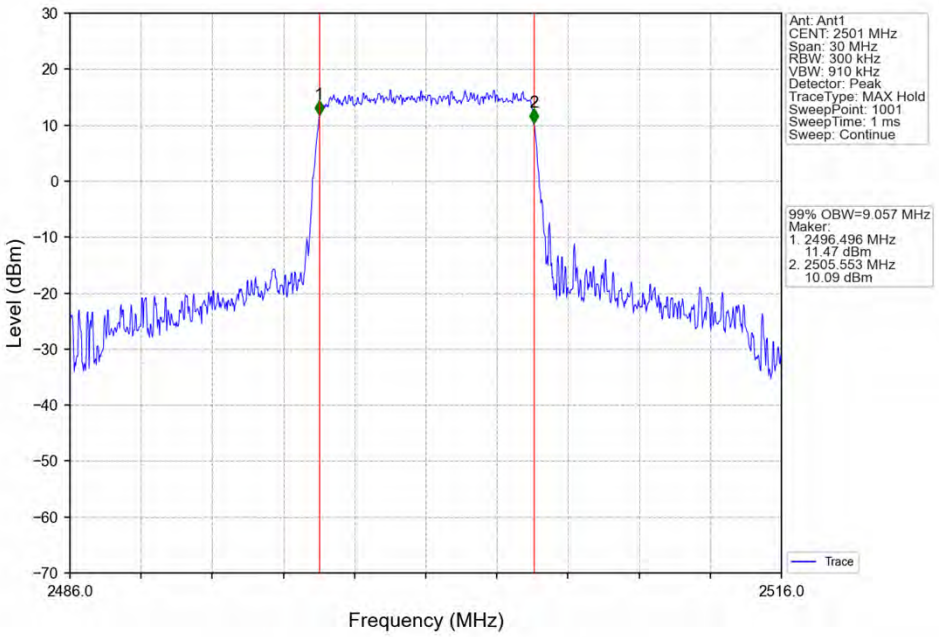
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



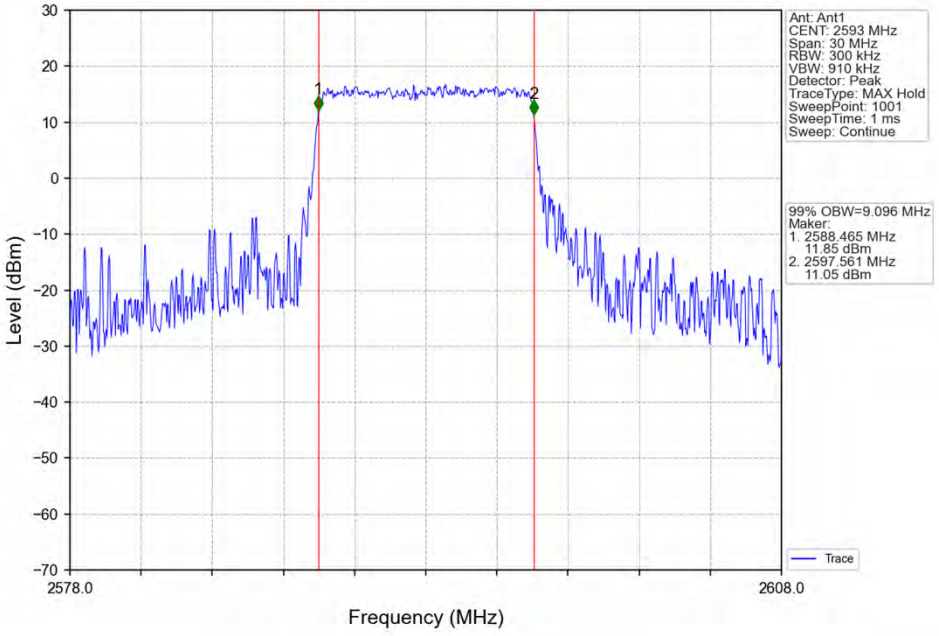
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



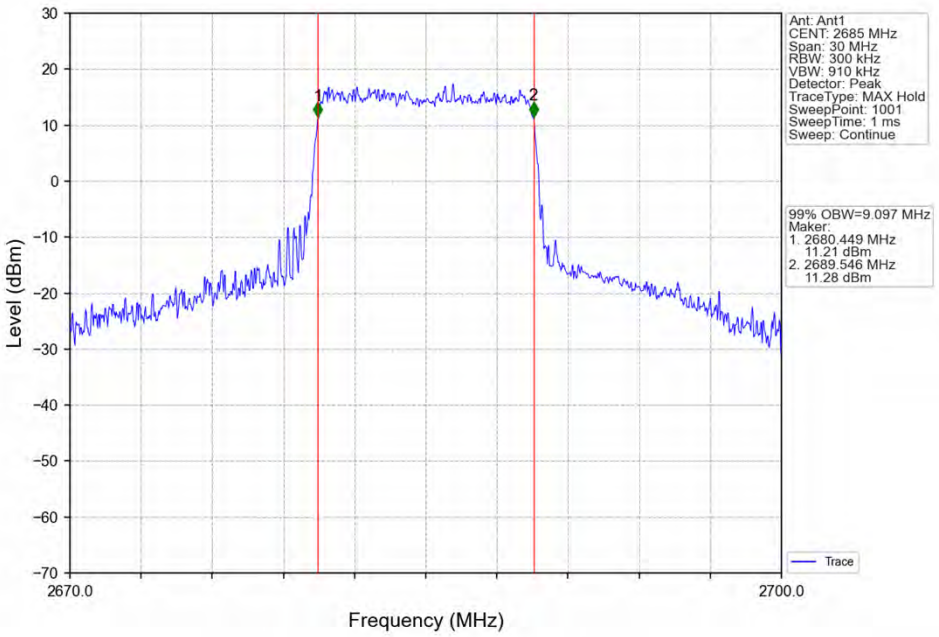
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



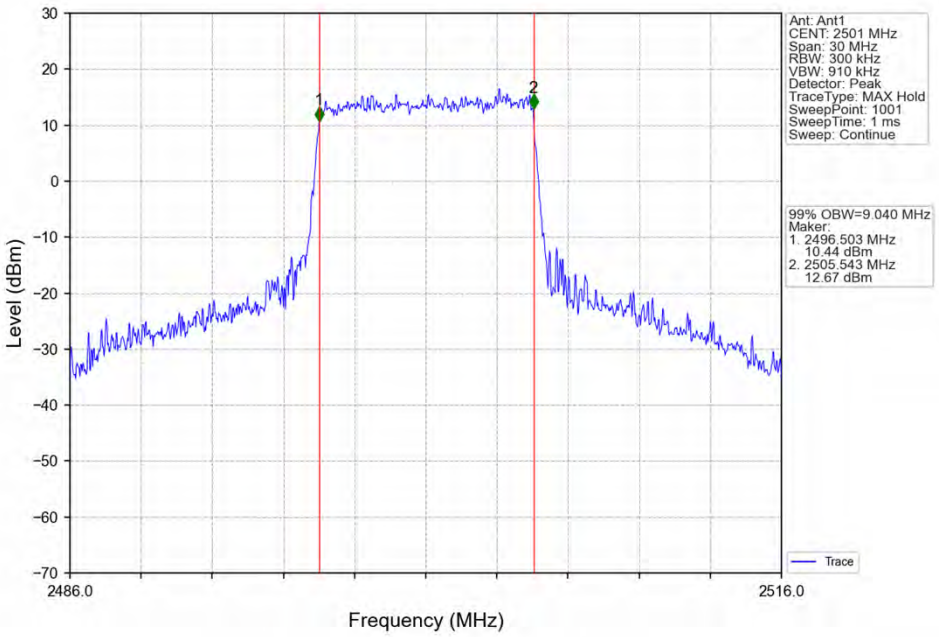
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



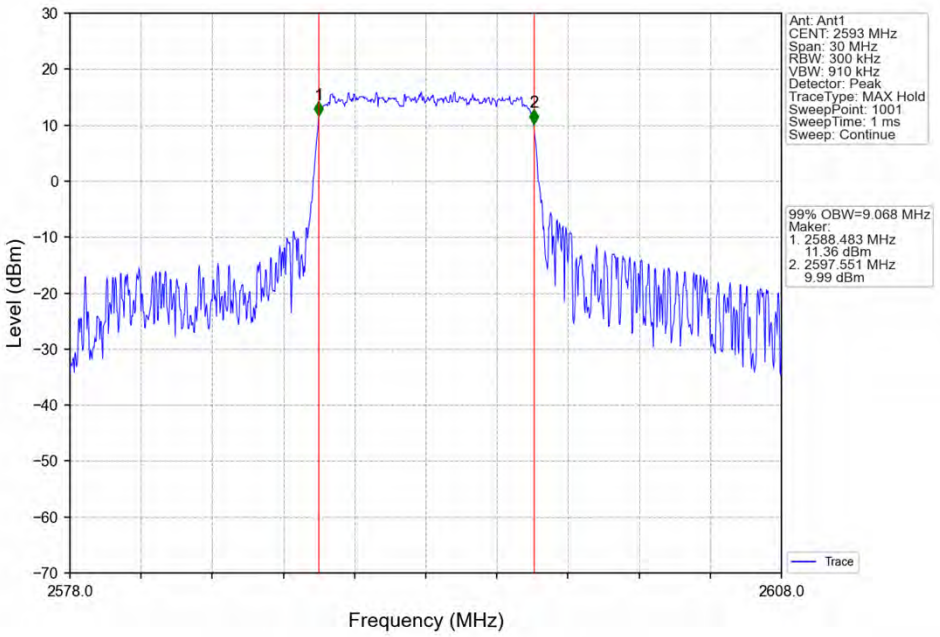
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



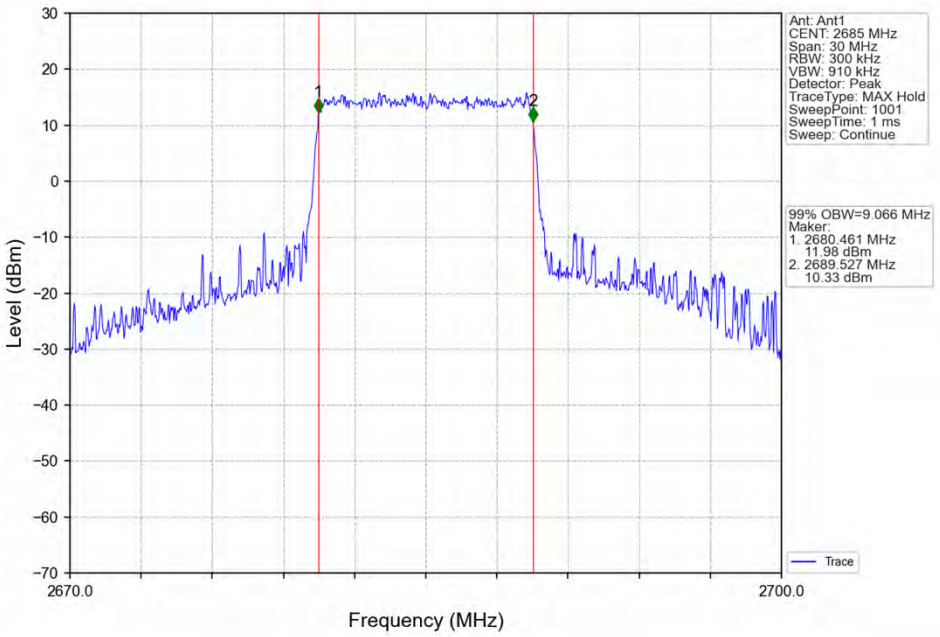
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



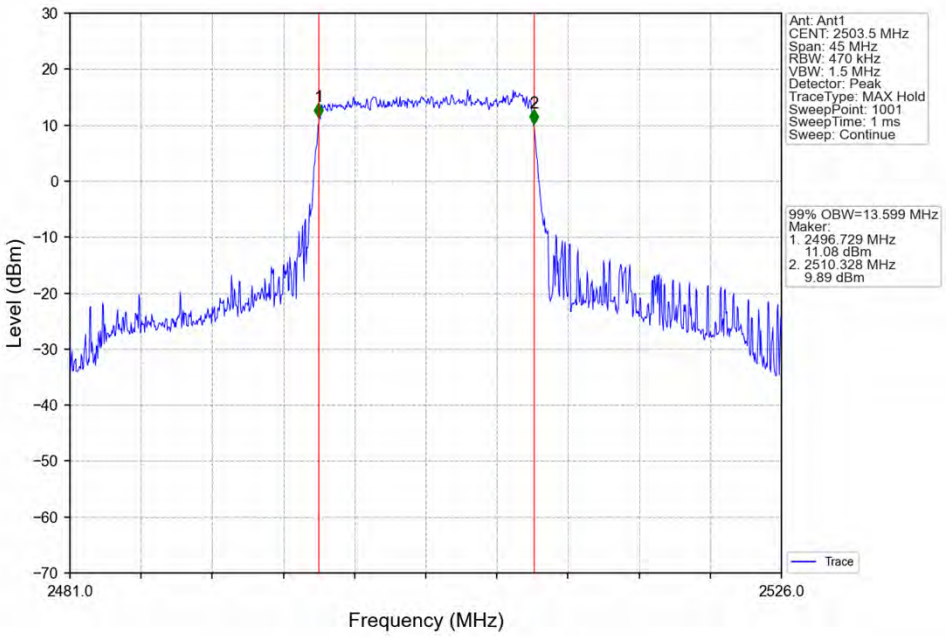
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



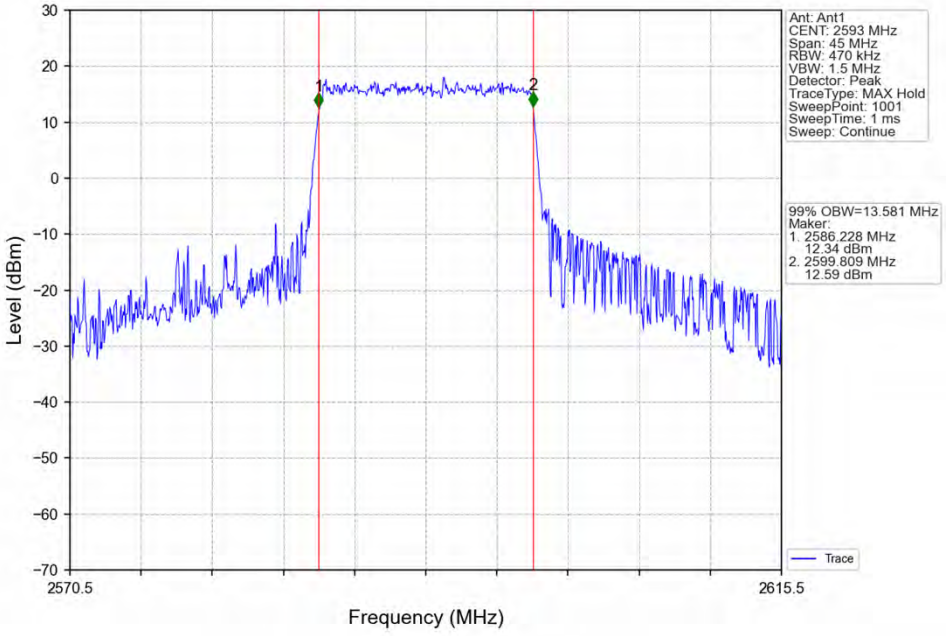
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



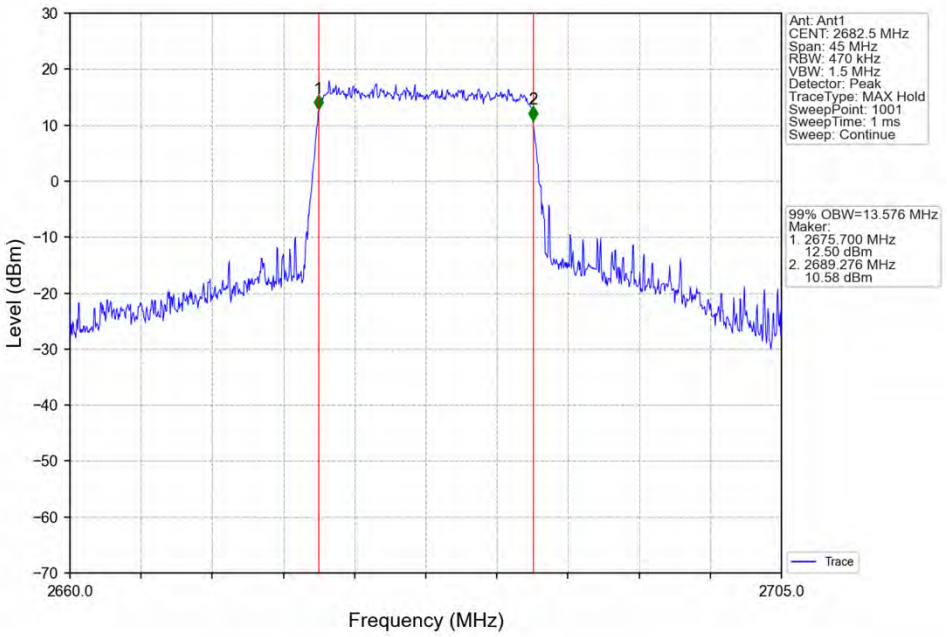
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



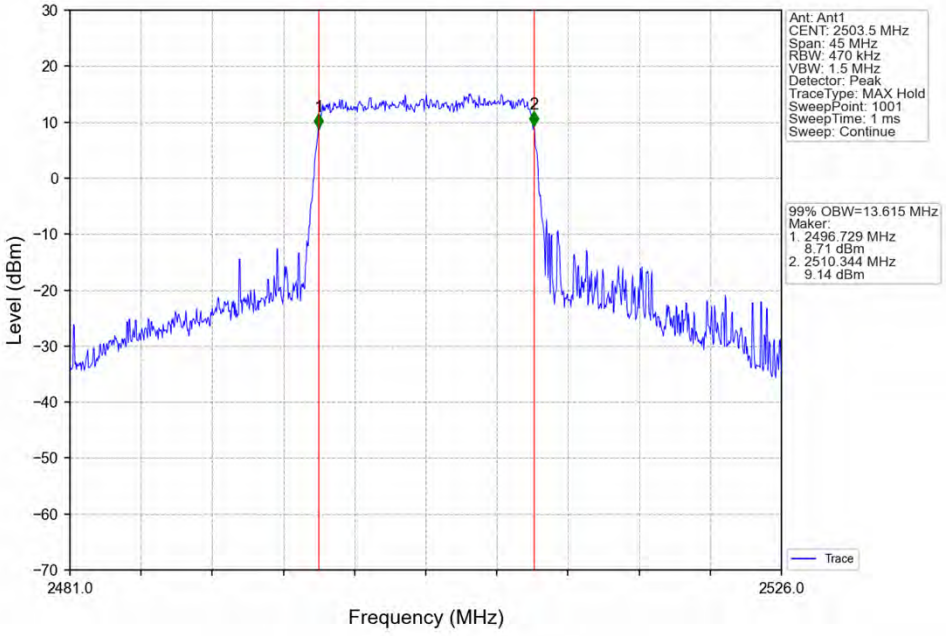
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



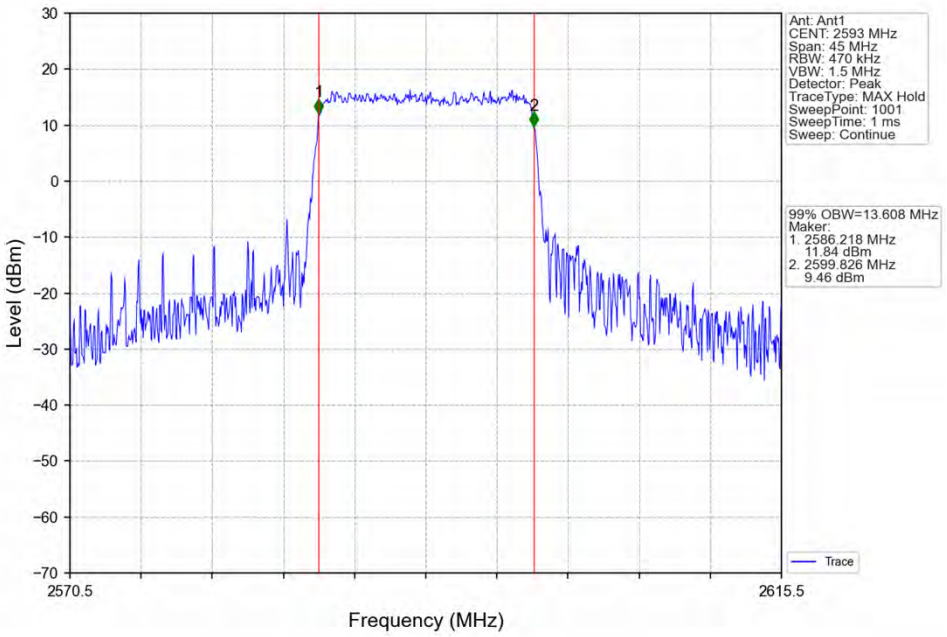
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



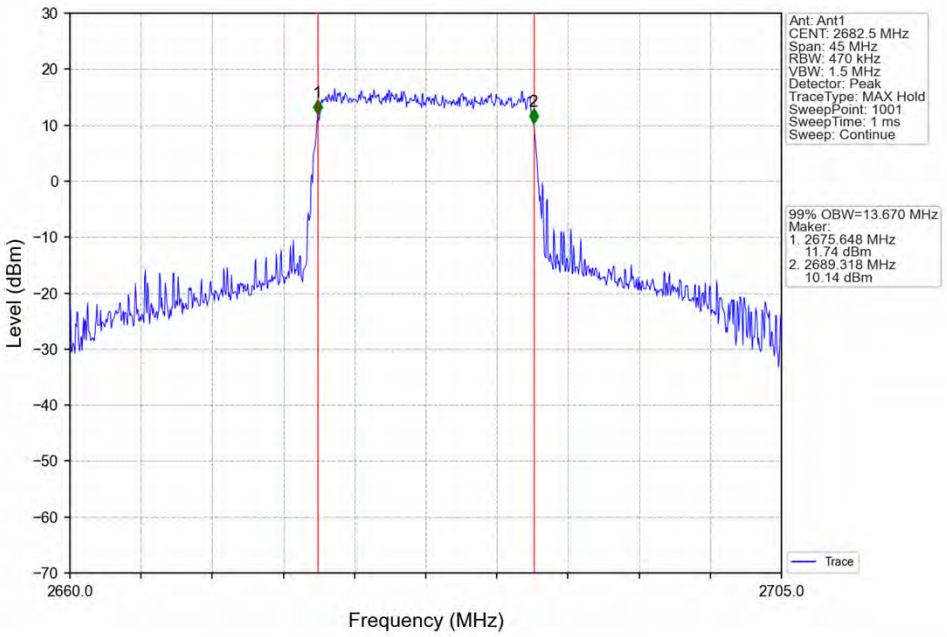
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



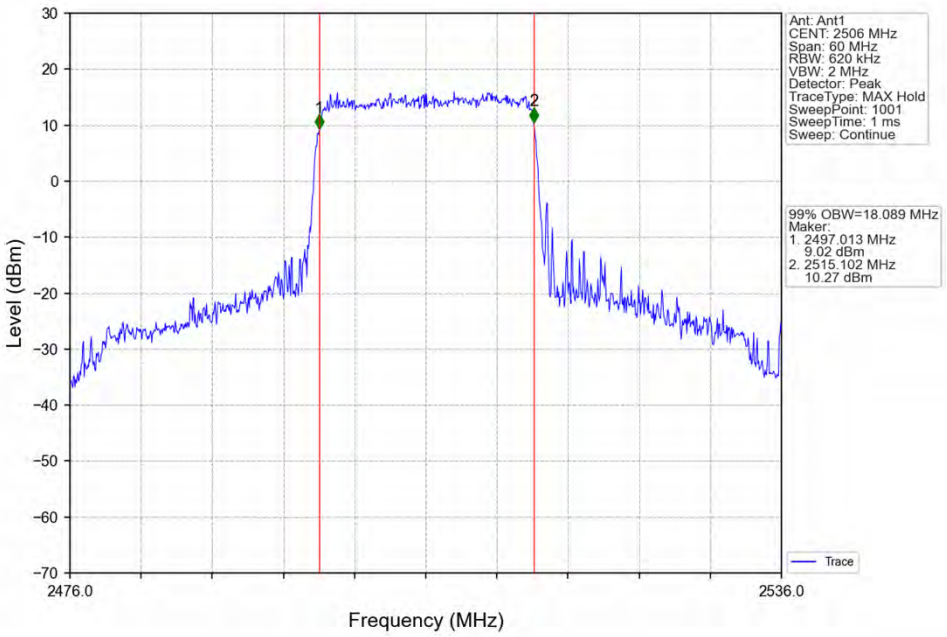
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



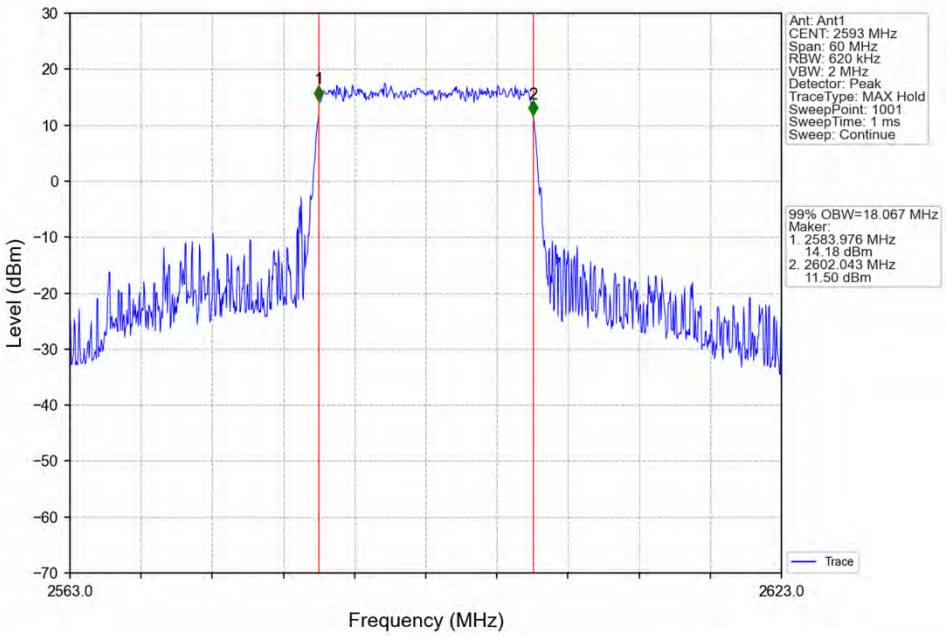
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



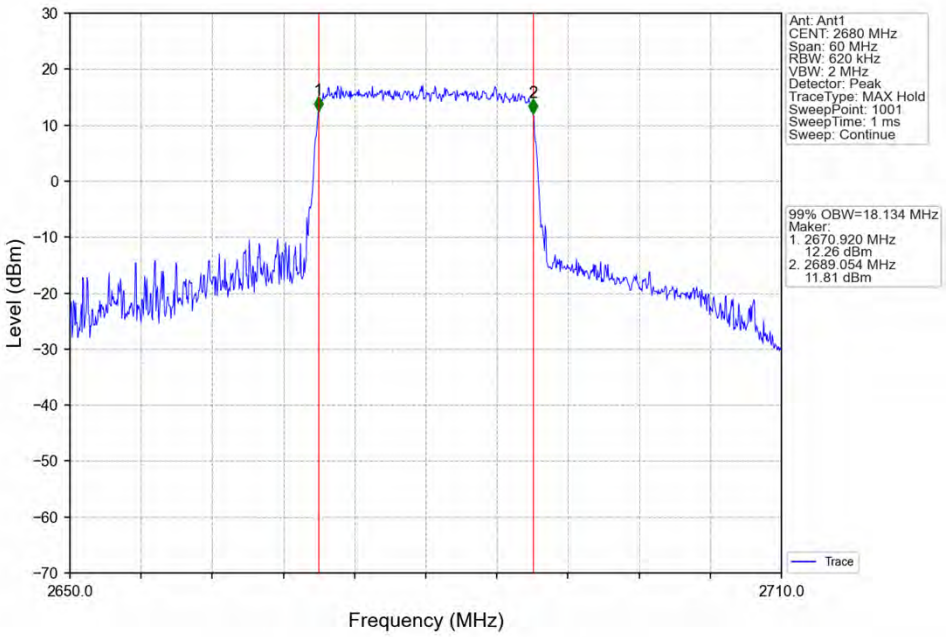
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



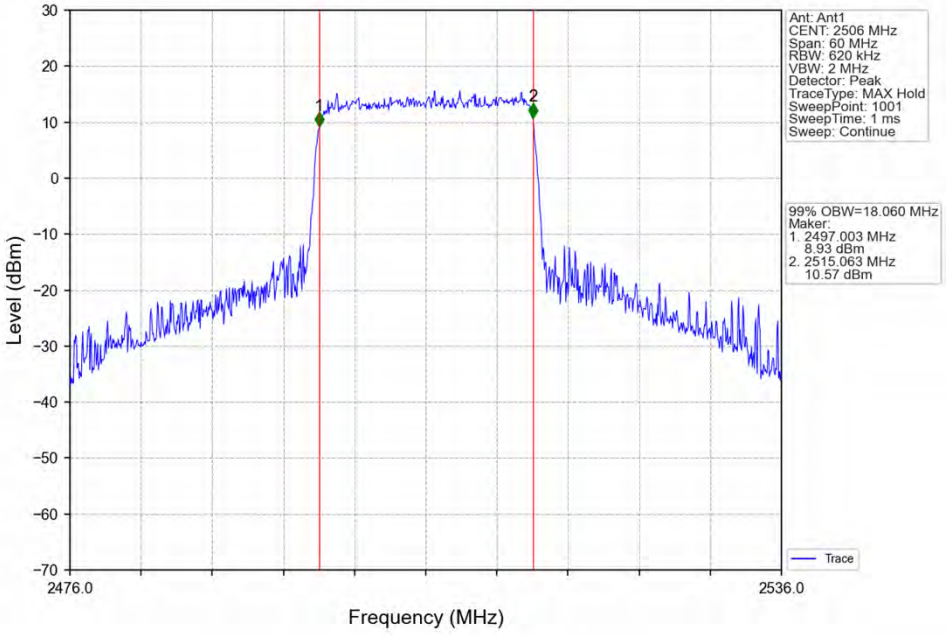
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



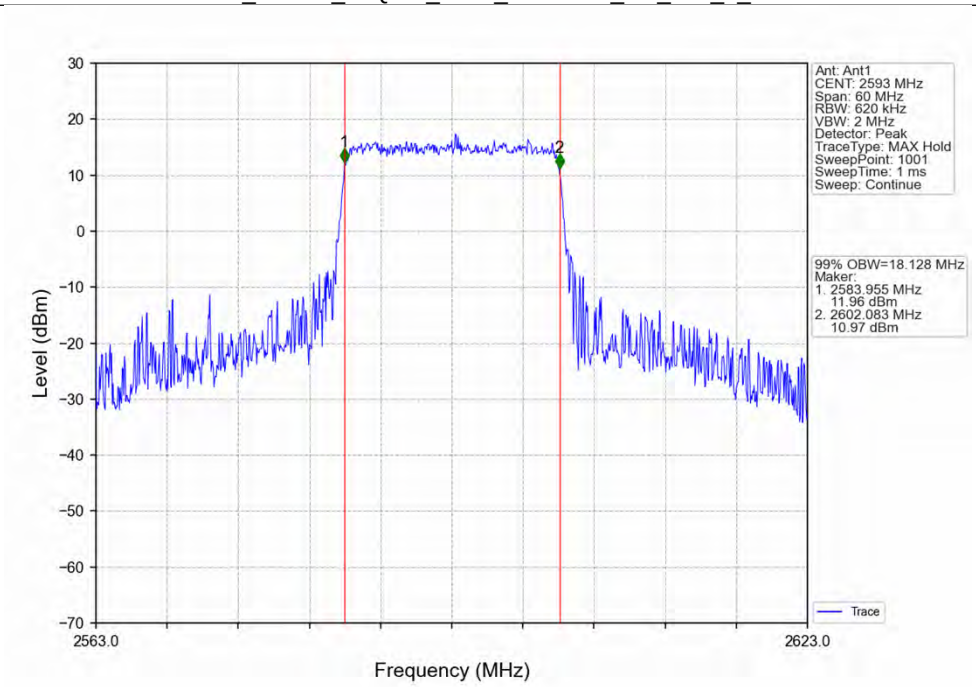
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



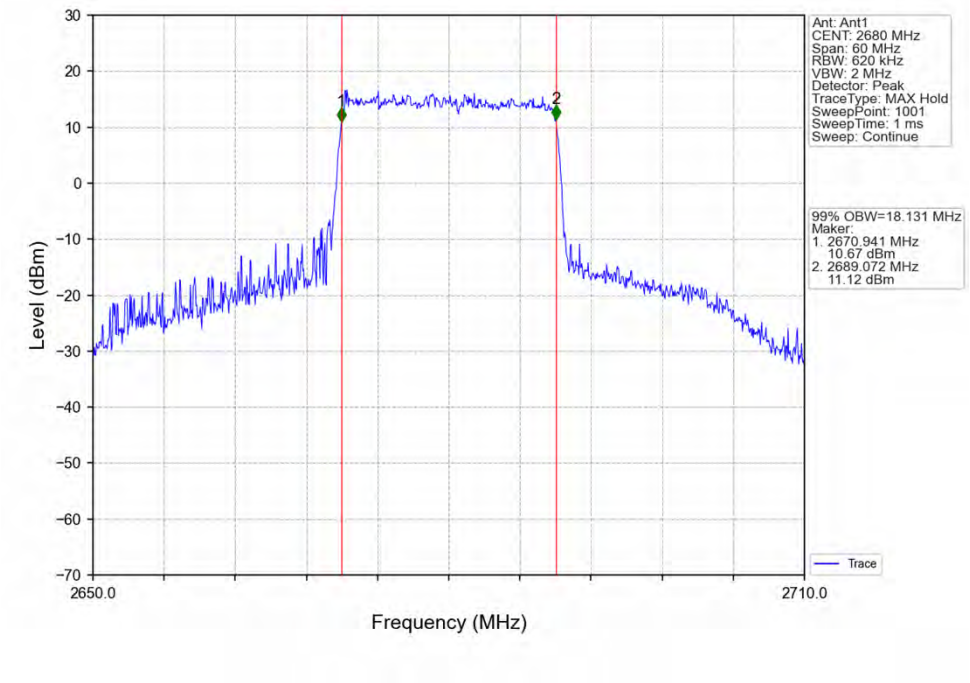
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



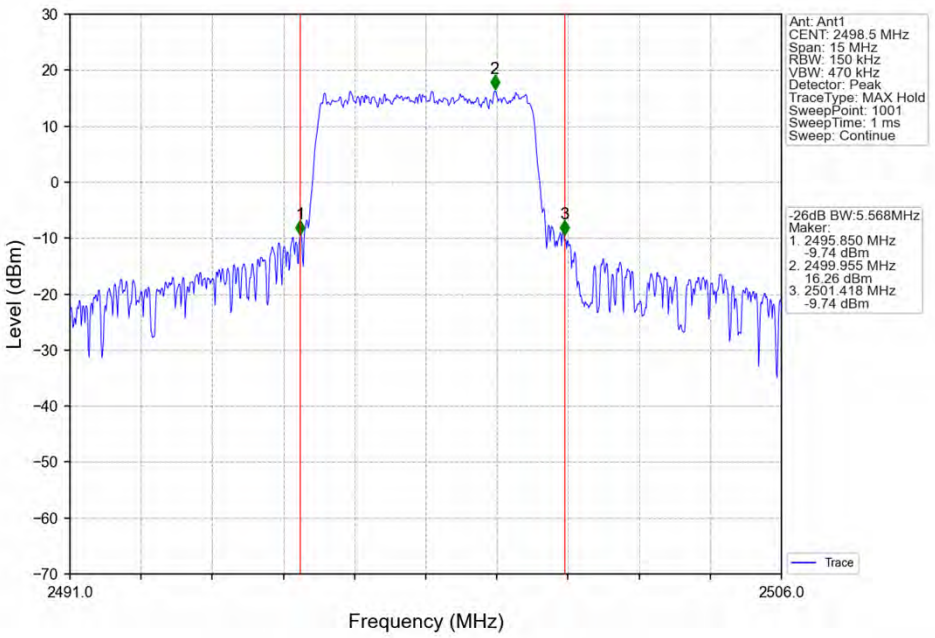
4.2 Band41_XDB

4.2.1 Test Result

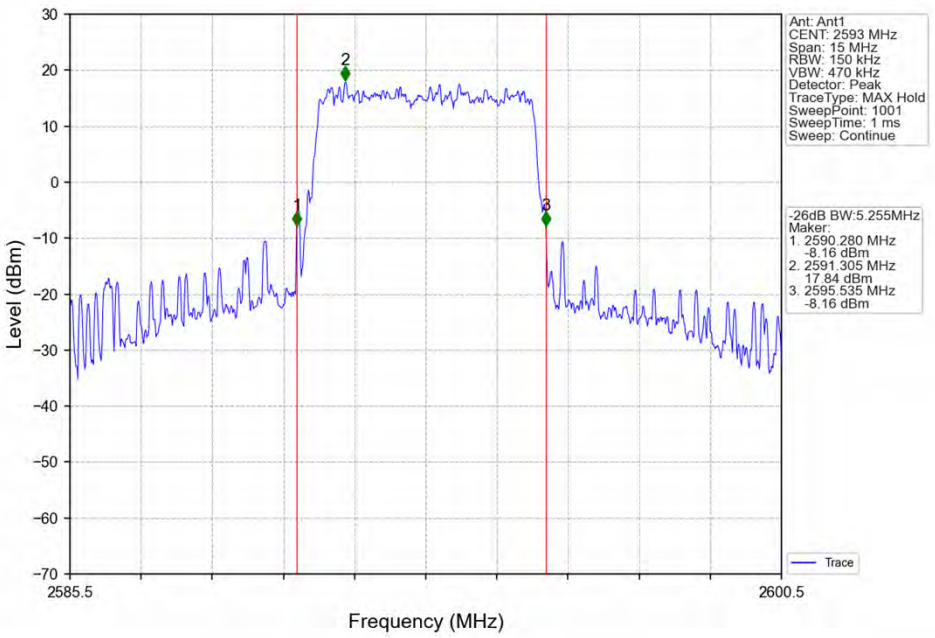
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.568	Pass
		2593	25	0	5.255	Pass
		2687.5	25	0	5.241	Pass
	16QAM	2498.5	25	0	5.153	Pass
		2593	25	0	5.127	Pass
		2687.5	25	0	5.047	Pass
10	QPSK	2501	50	0	10.142	Pass
		2593	50	0	15.874	Pass
		2685	50	0	10.782	Pass
	16QAM	2501	50	0	9.867	Pass
		2593	50	0	11.746	Pass
		2685	50	0	13.448	Pass
15	QPSK	2503.5	75	0	16.258	Pass
		2593	75	0	15.854	Pass
		2682.5	75	0	15.308	Pass
	16QAM	2503.5	75	0	15.816	Pass
		2593	75	0	17.008	Pass
		2682.5	75	0	16.696	Pass
20	QPSK	2506	100	0	20.534	Pass
		2593	100	0	20.691	Pass
		2680	100	0	20.182	Pass
	16QAM	2506	100	0	19.522	Pass
		2593	100	0	22.284	Pass
		2680	100	0	20.635	Pass

4.2.2 Test Graph

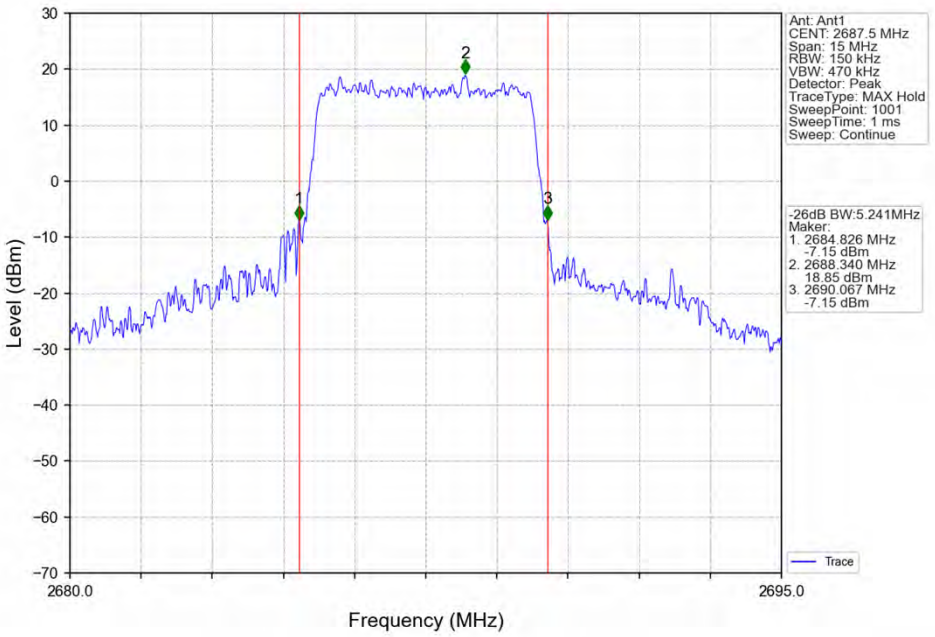
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



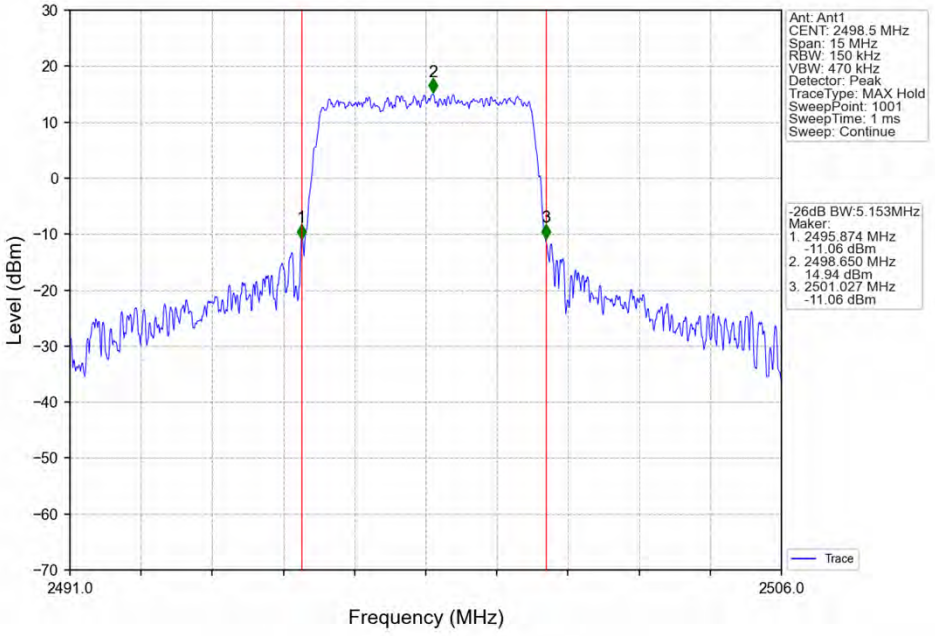
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



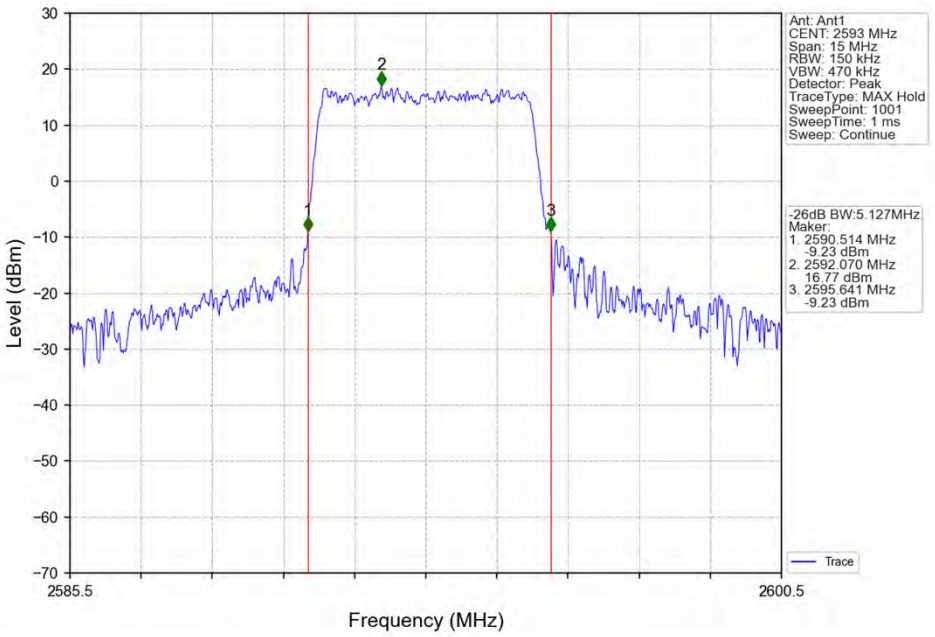
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



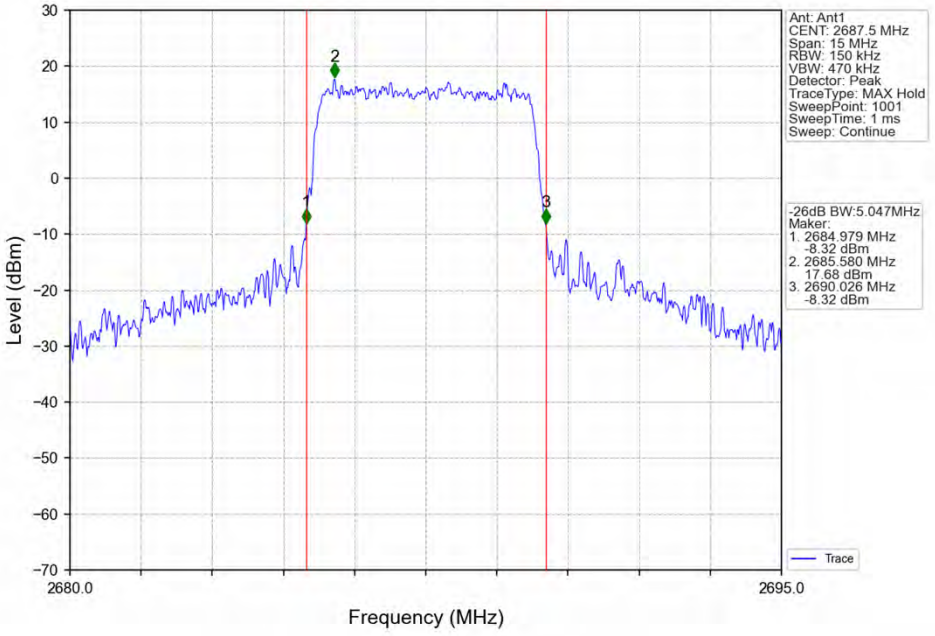
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



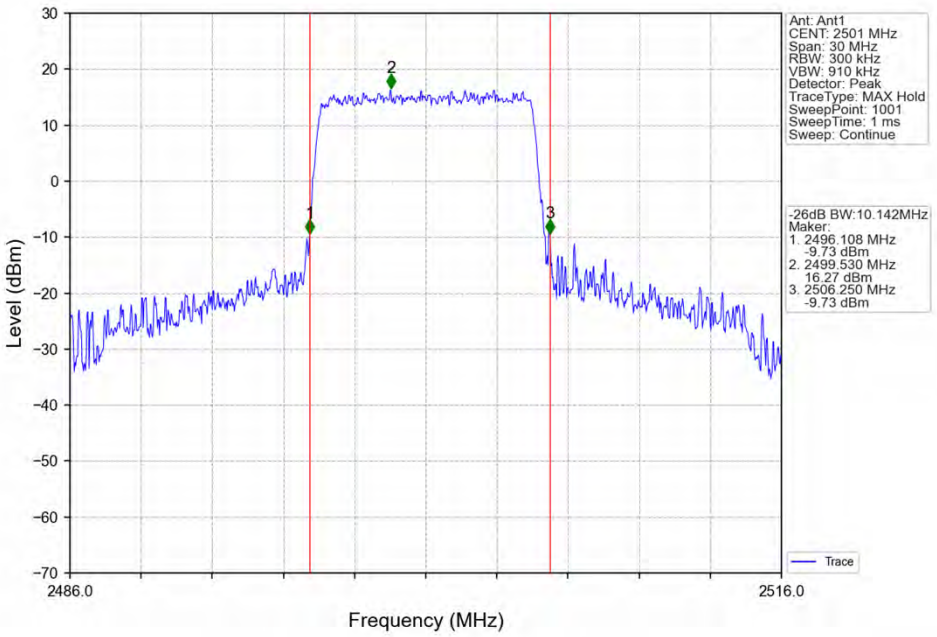
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



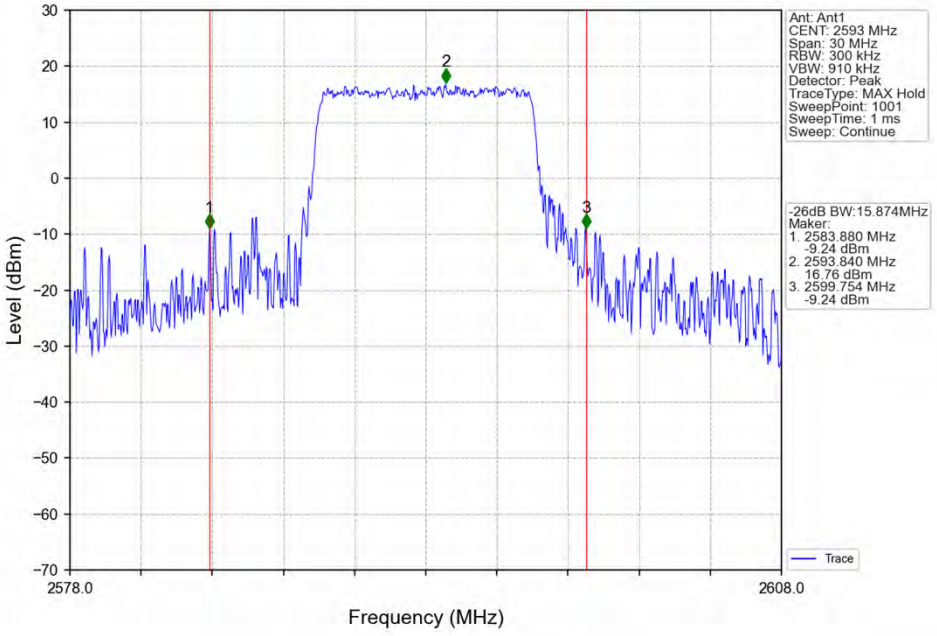
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



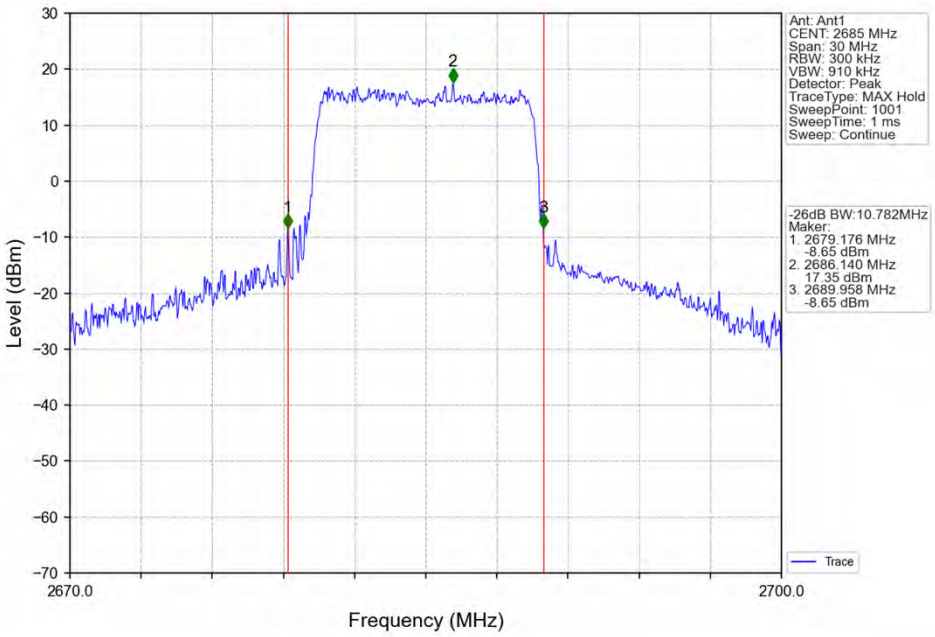
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



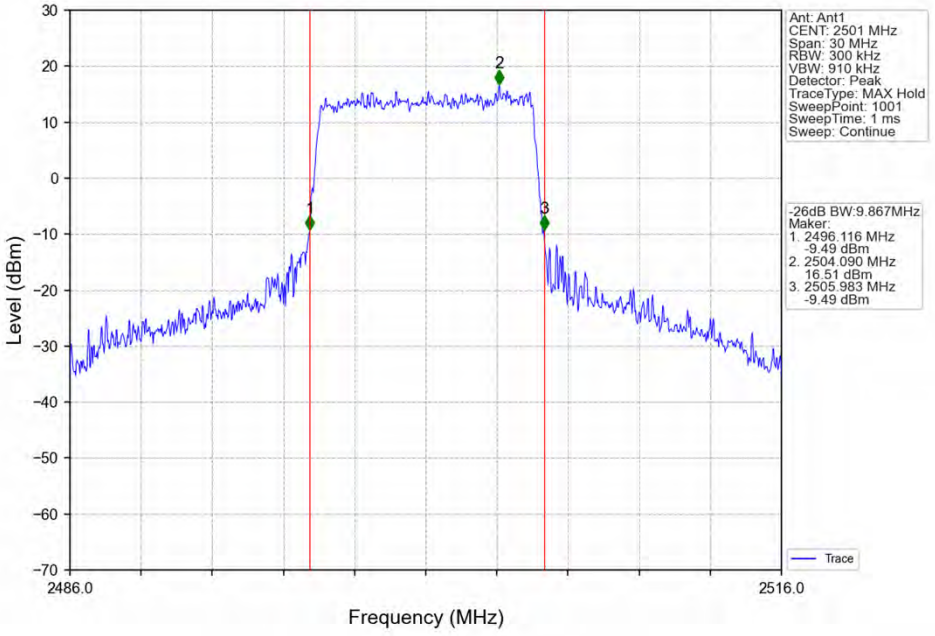
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



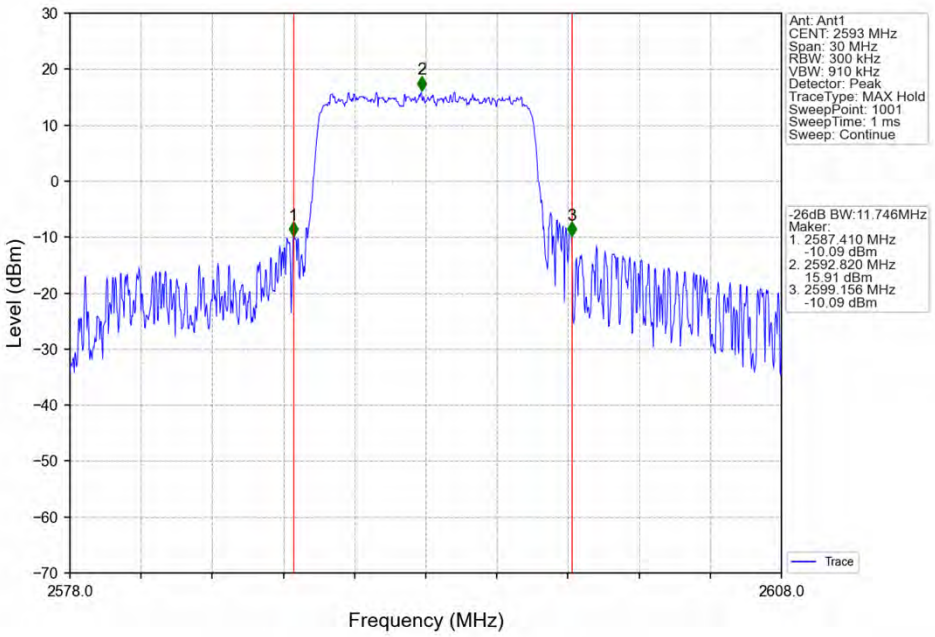
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



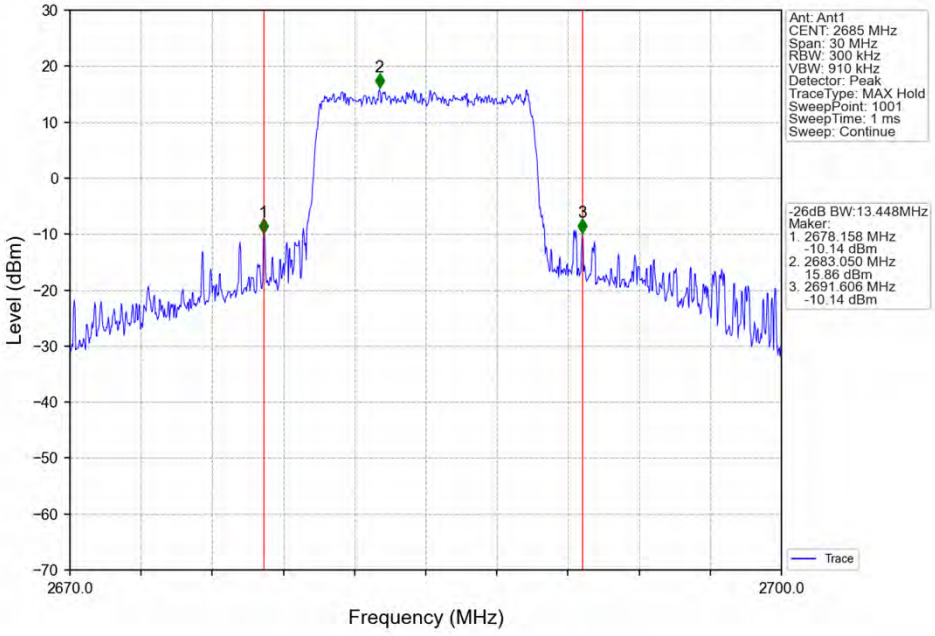
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



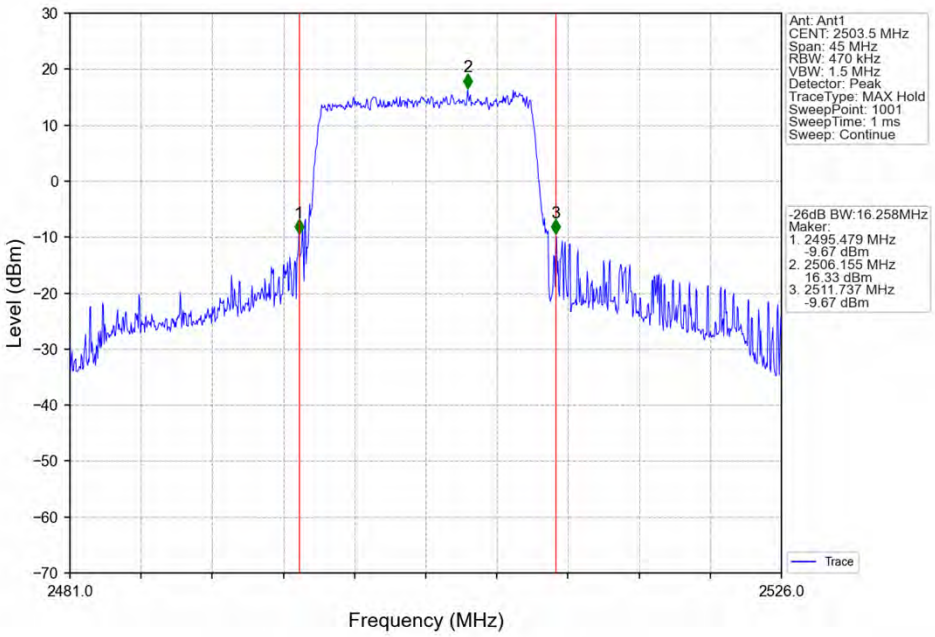
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



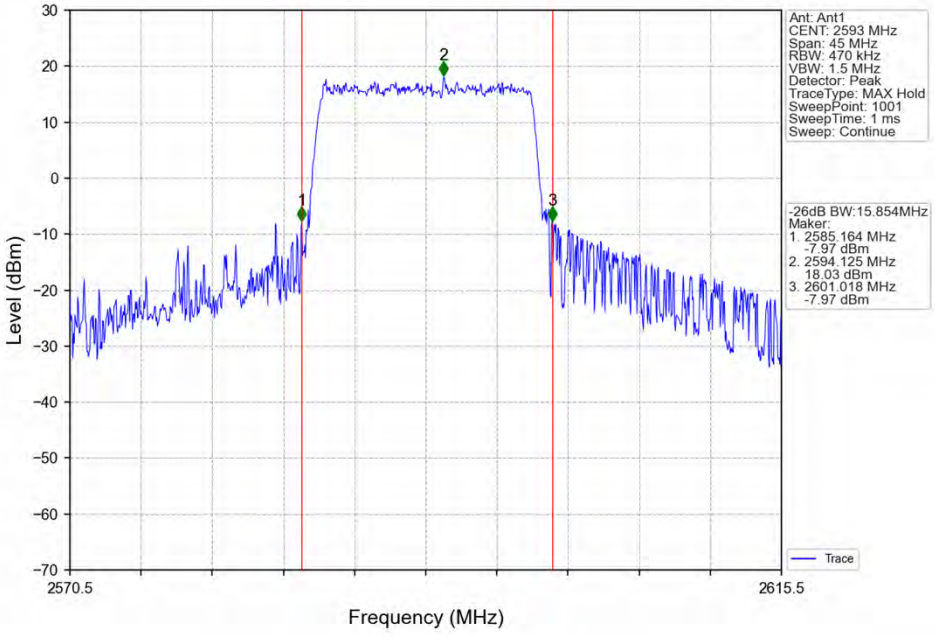
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



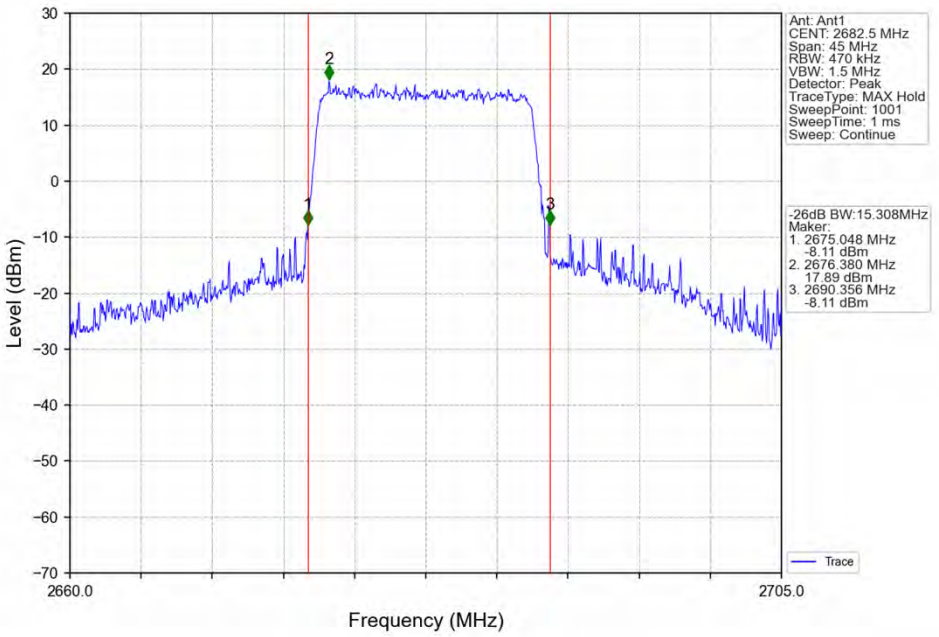
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



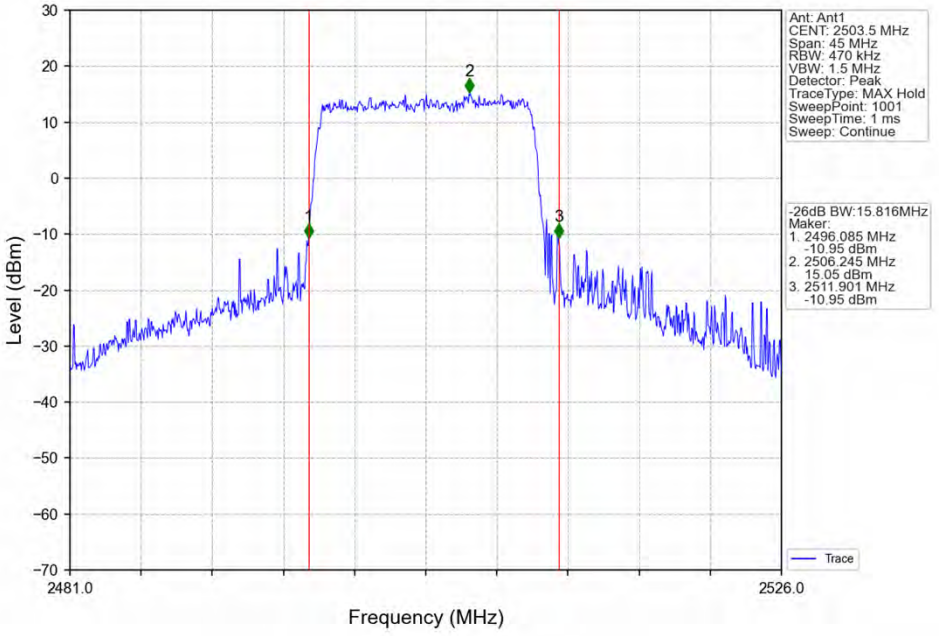
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



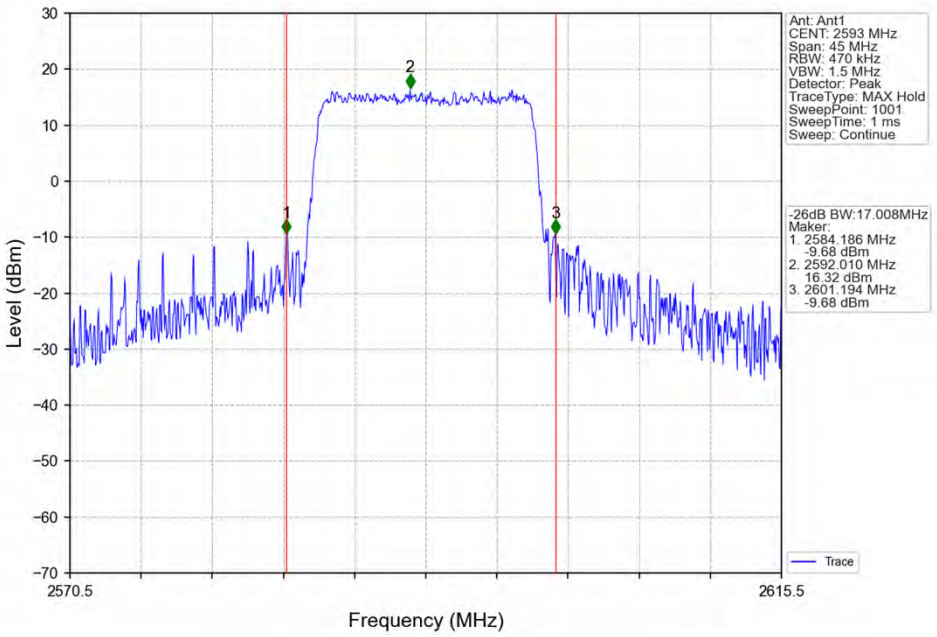
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



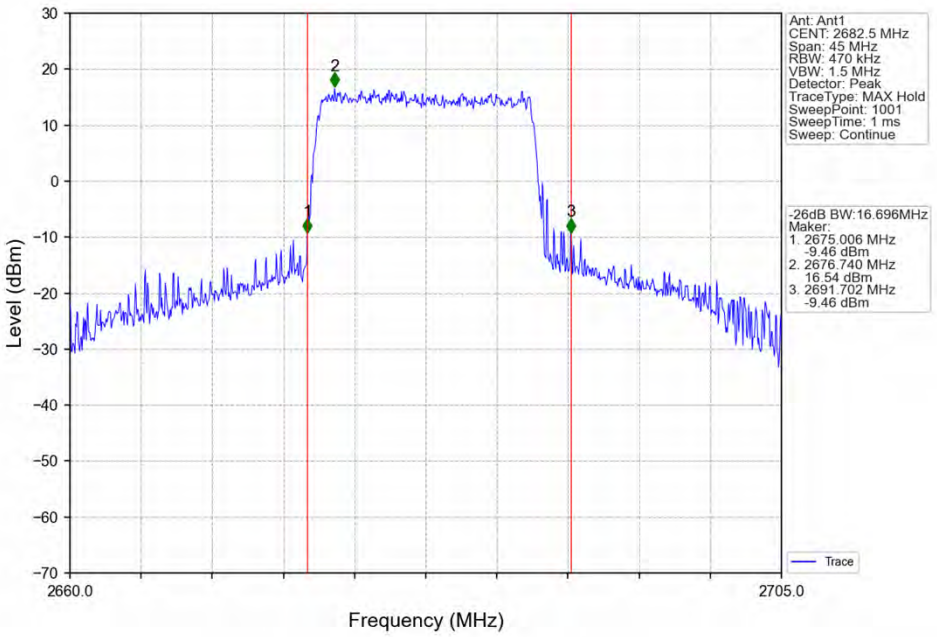
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



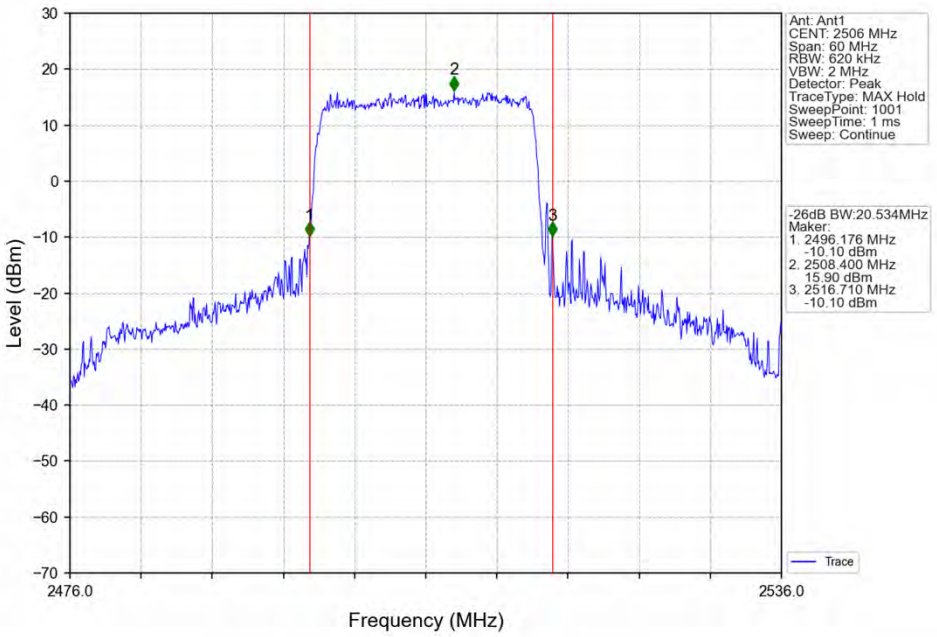
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



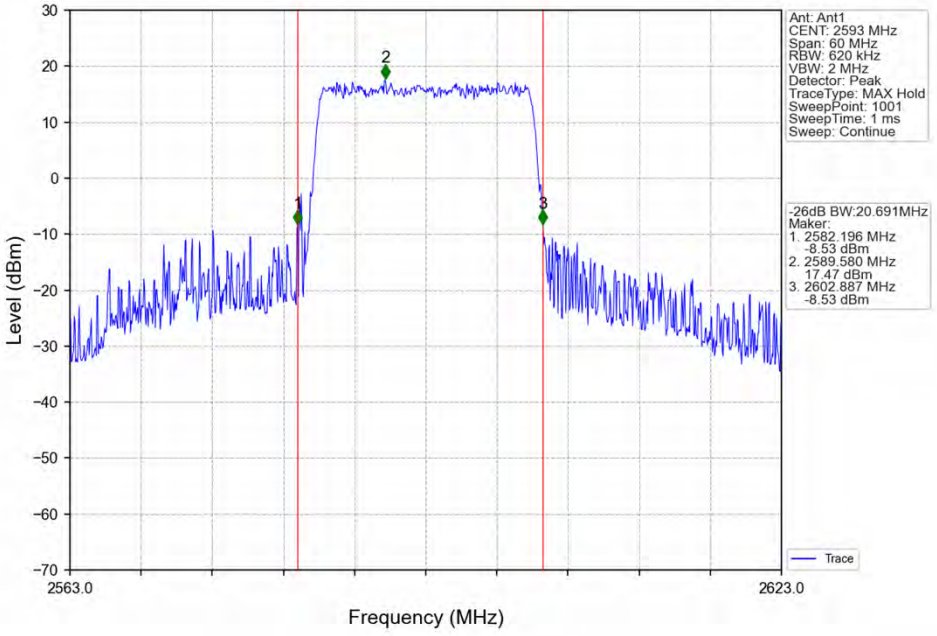
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



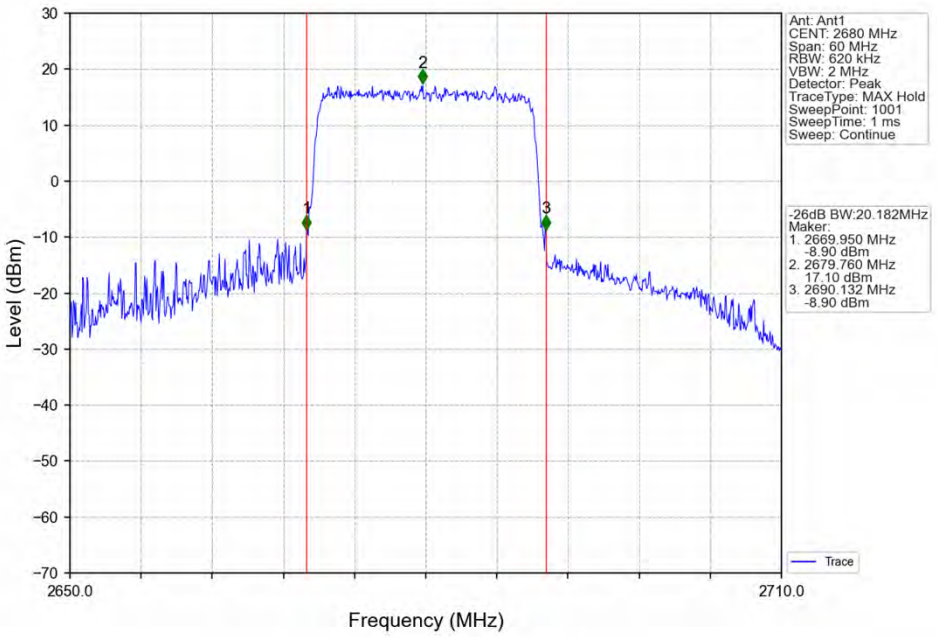
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



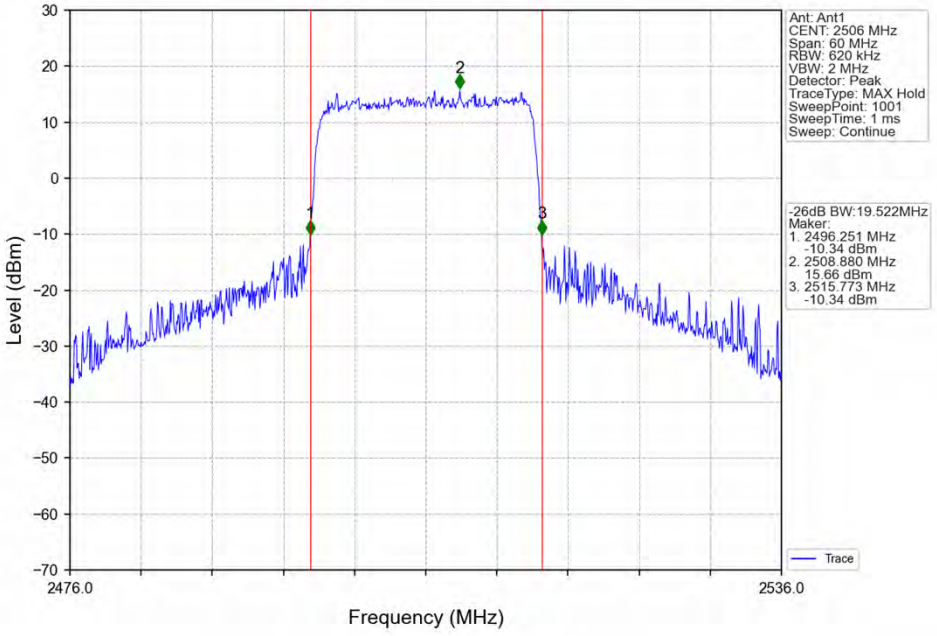
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



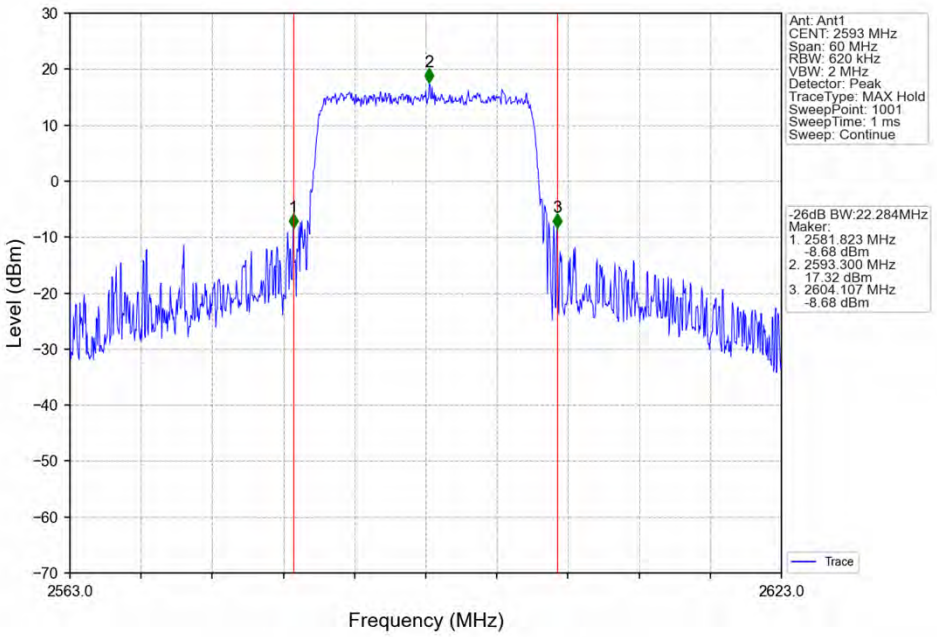
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



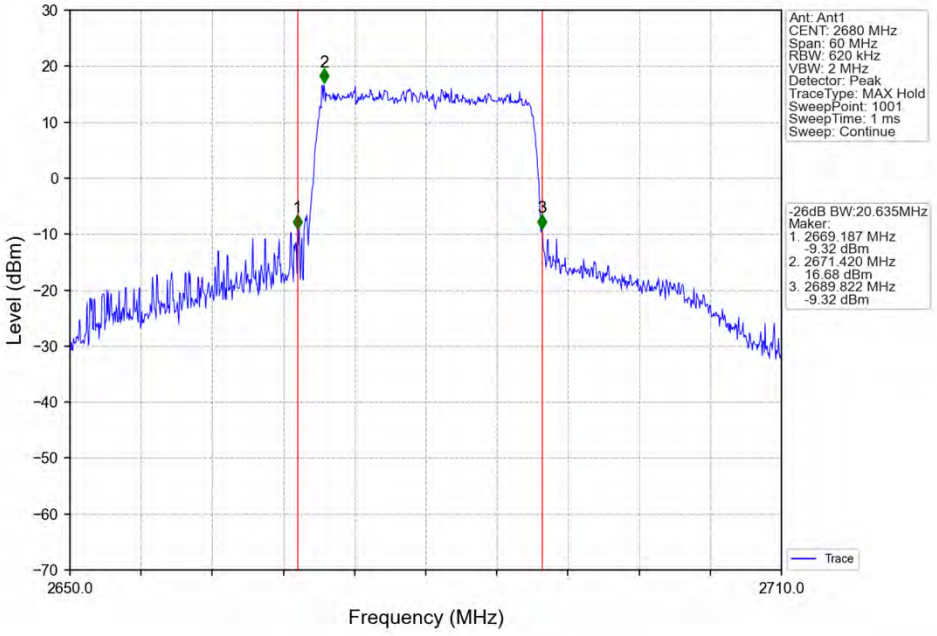
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



5. Peak-Average Ratio

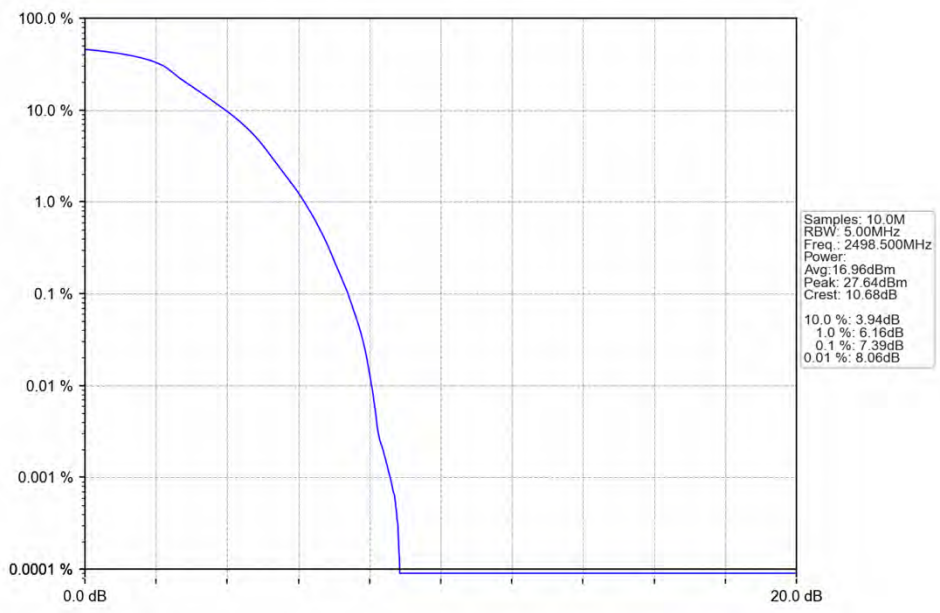
5.1 B41_5MHz

5.1.1 Test Result

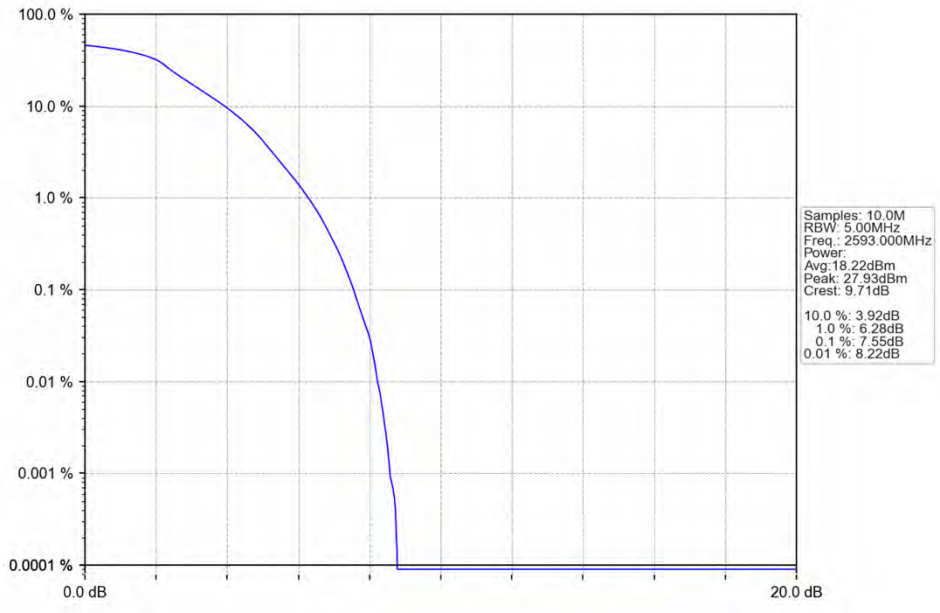
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.39	<=13	Pass
	2593	25	0	7.55	<=13	Pass
	2687.5	25	0	7.53	<=13	Pass
16QAM	2498.5	25	0	8.11	<=13	Pass
	2593	25	0	8.33	<=13	Pass
	2687.5	25	0	8.50	<=13	Pass

5.1.2 Test Graph

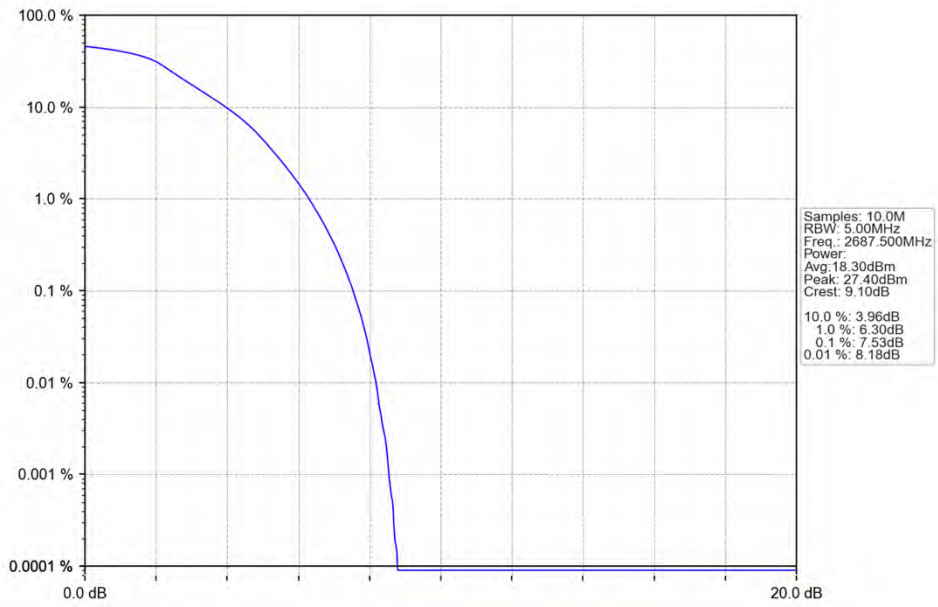
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



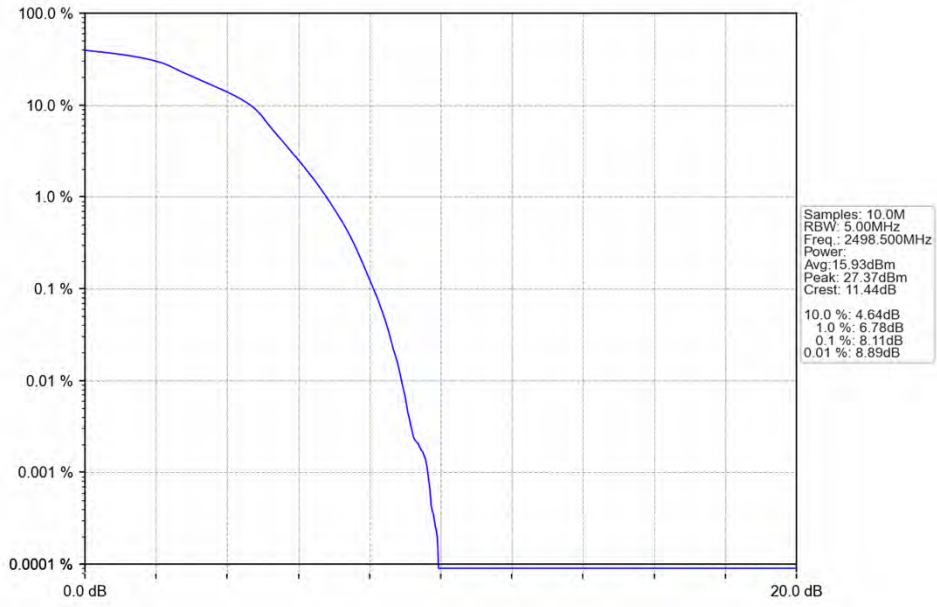
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



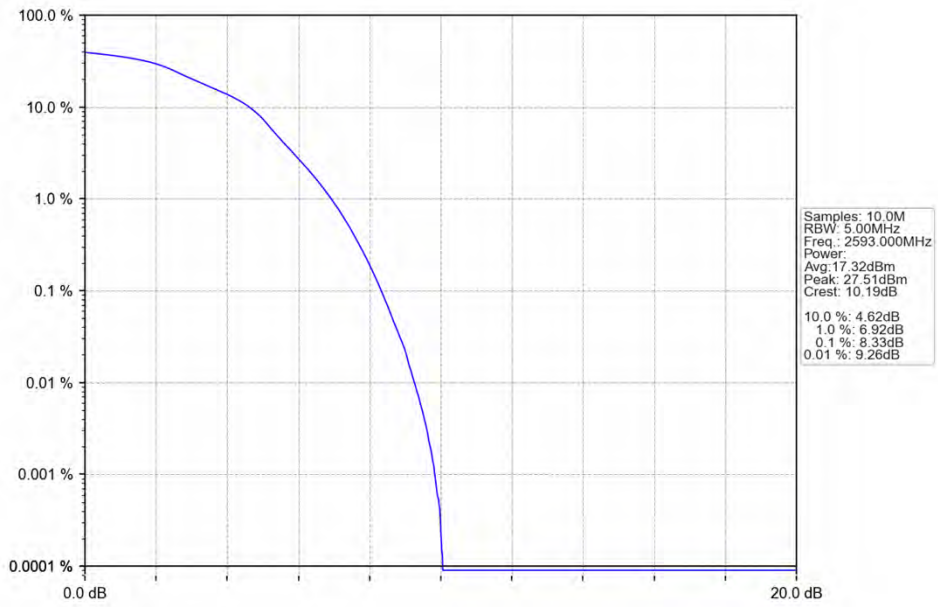
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



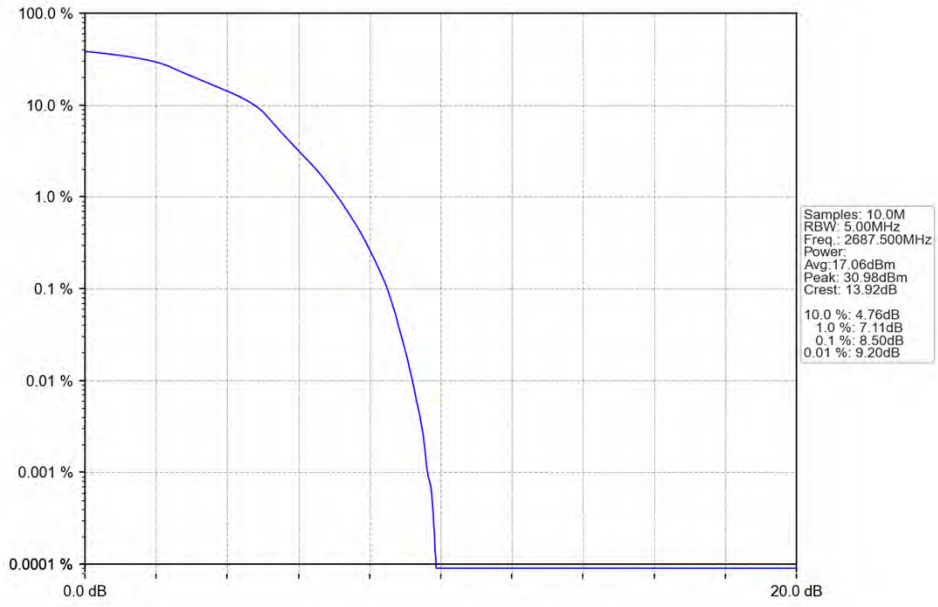
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



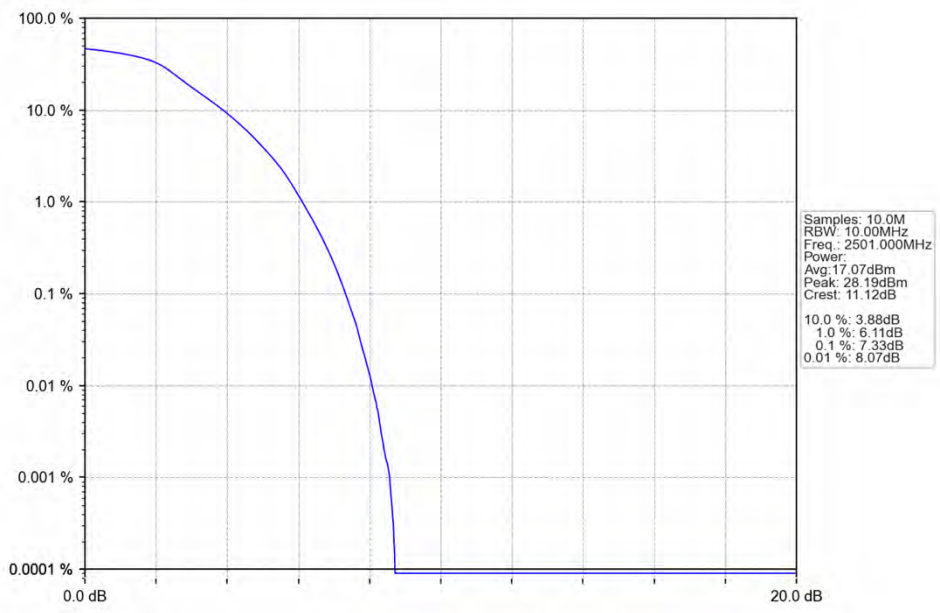
5.2 B41_10MHz

5.2.1 Test Result

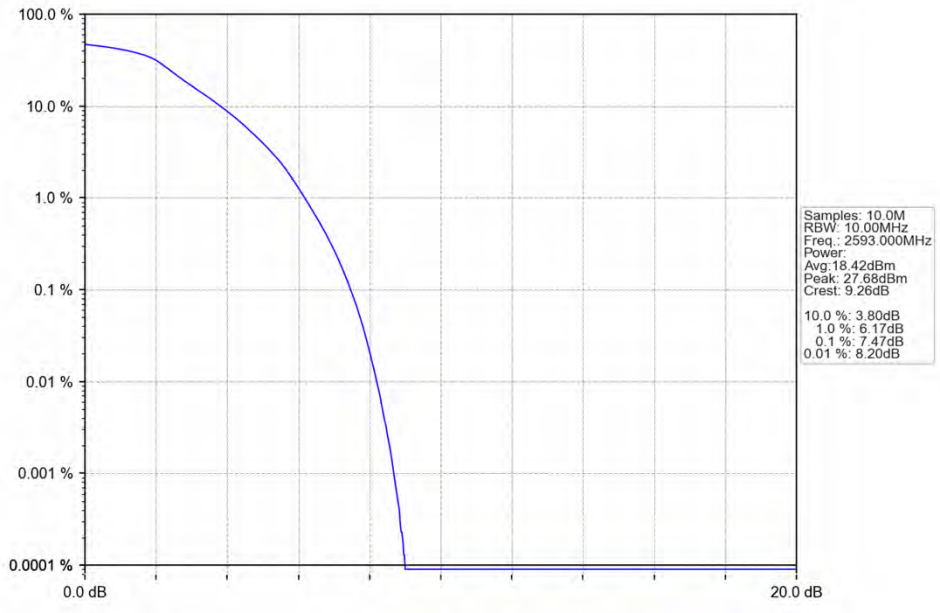
Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.33	<=13	Pass
	2593	50	0	7.47	<=13	Pass
	2685	50	0	7.45	<=13	Pass
16QAM	2501	50	0	8.04	<=13	Pass
	2593	50	0	8.13	<=13	Pass
	2685	50	0	8.03	<=13	Pass

5.2.2 Test Graph

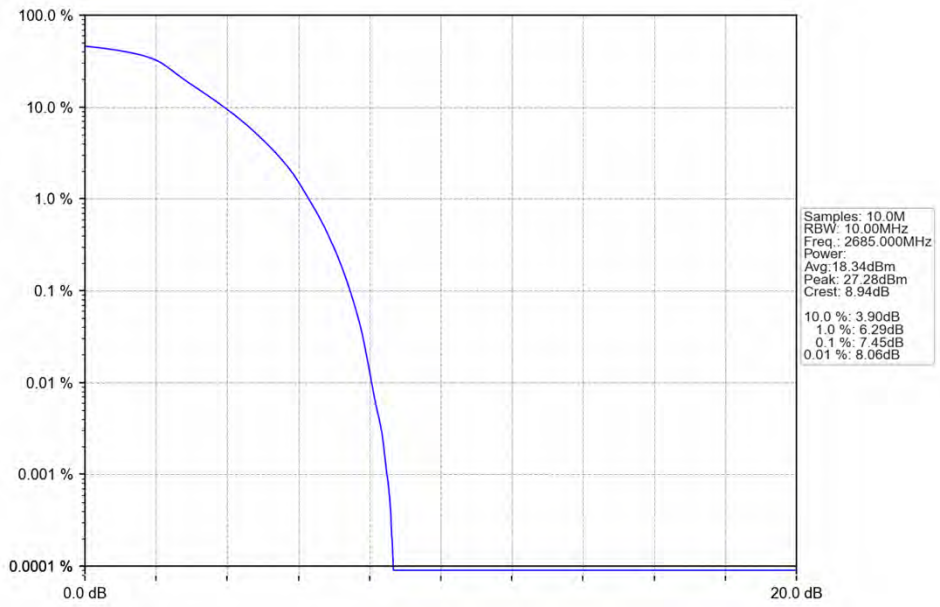
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



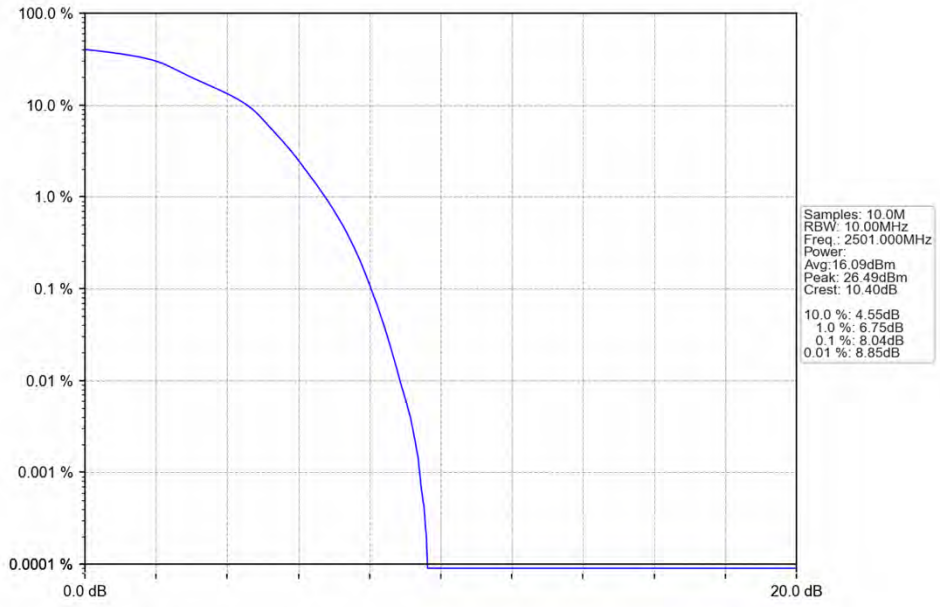
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



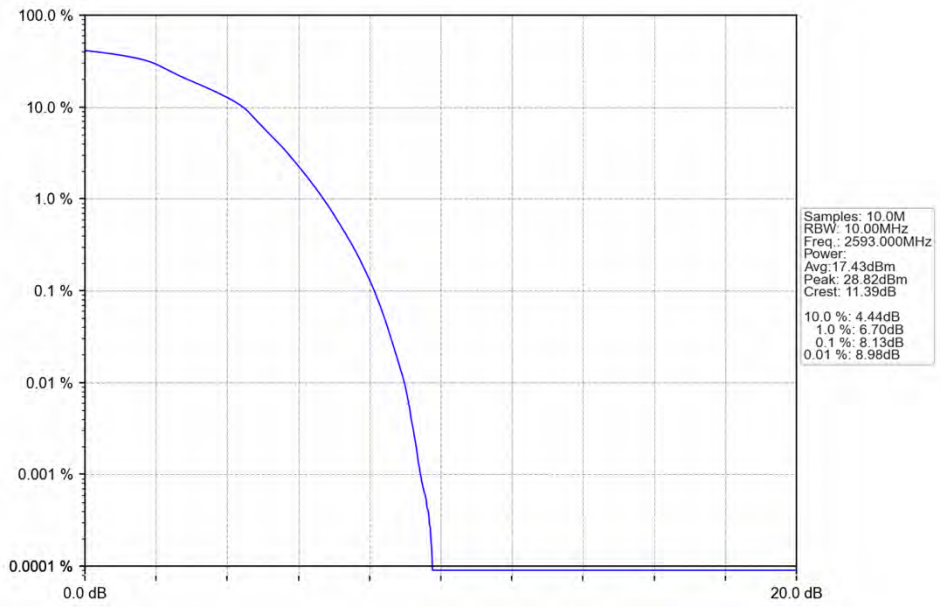
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



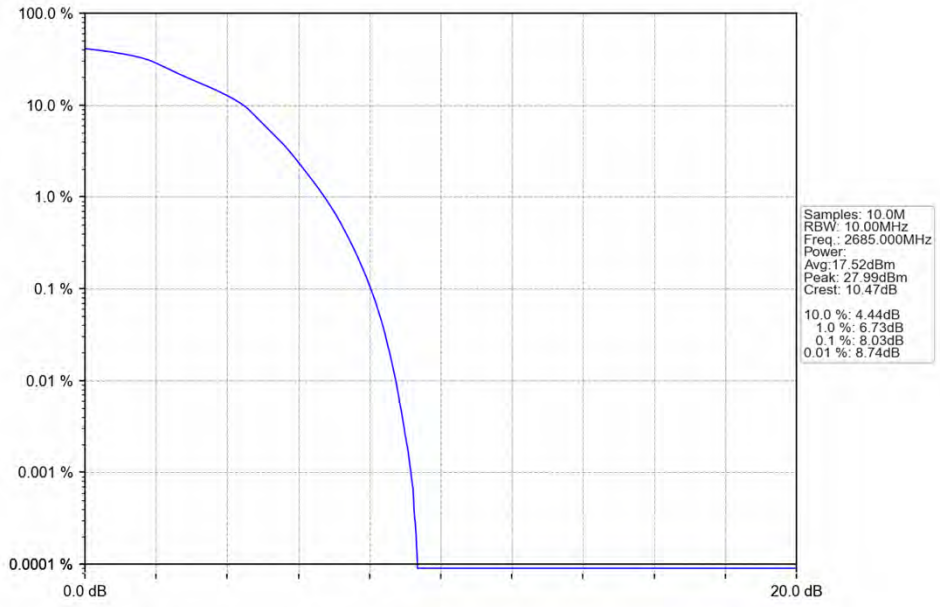
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



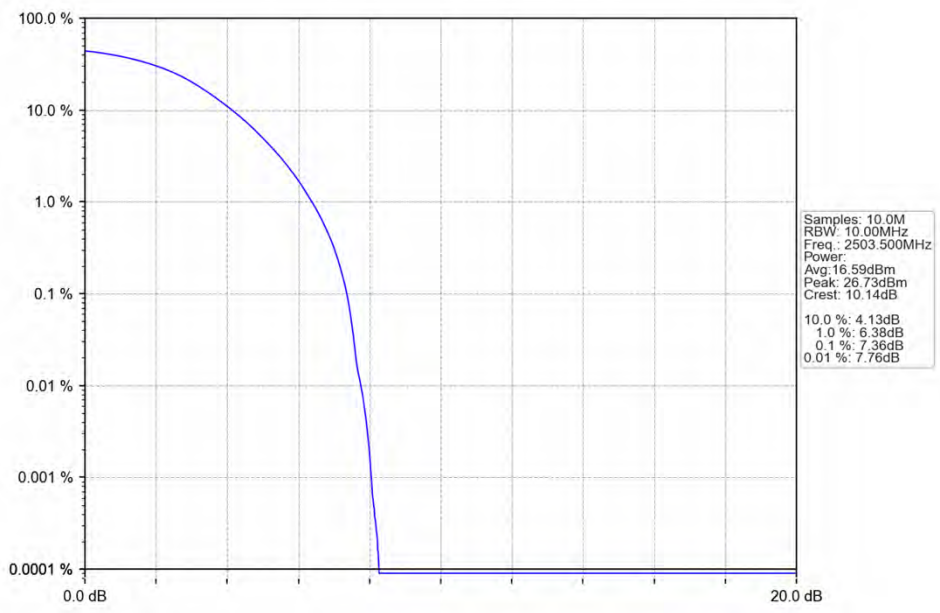
5.3 B41_15MHz

5.3.1 Test Result

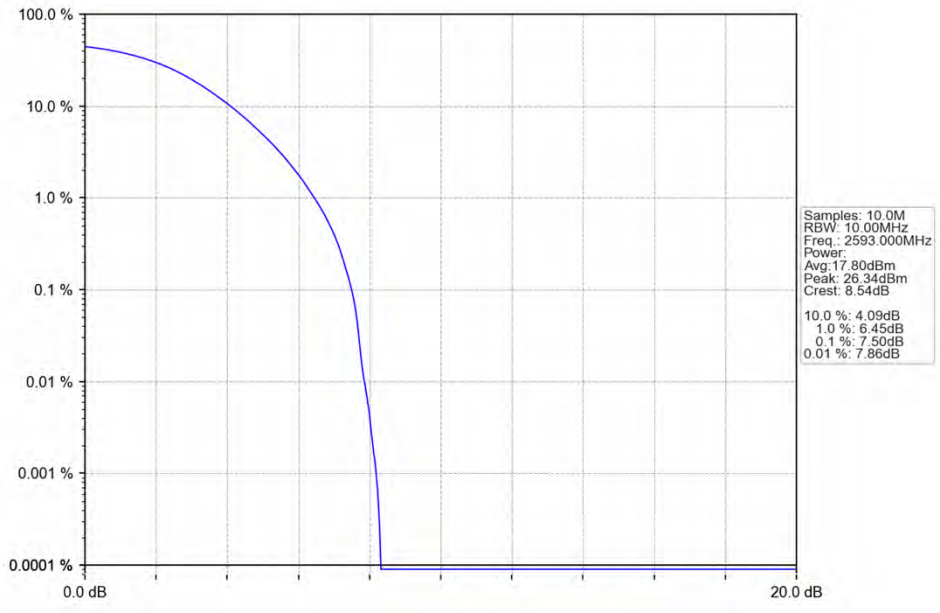
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.36	<=13	Pass
	2593	75	0	7.50	<=13	Pass
	2682.5	75	0	7.33	<=13	Pass
16QAM	2503.5	75	0	7.91	<=13	Pass
	2593	75	0	8.13	<=13	Pass
	2682.5	75	0	7.93	<=13	Pass

5.3.2 Test Graph

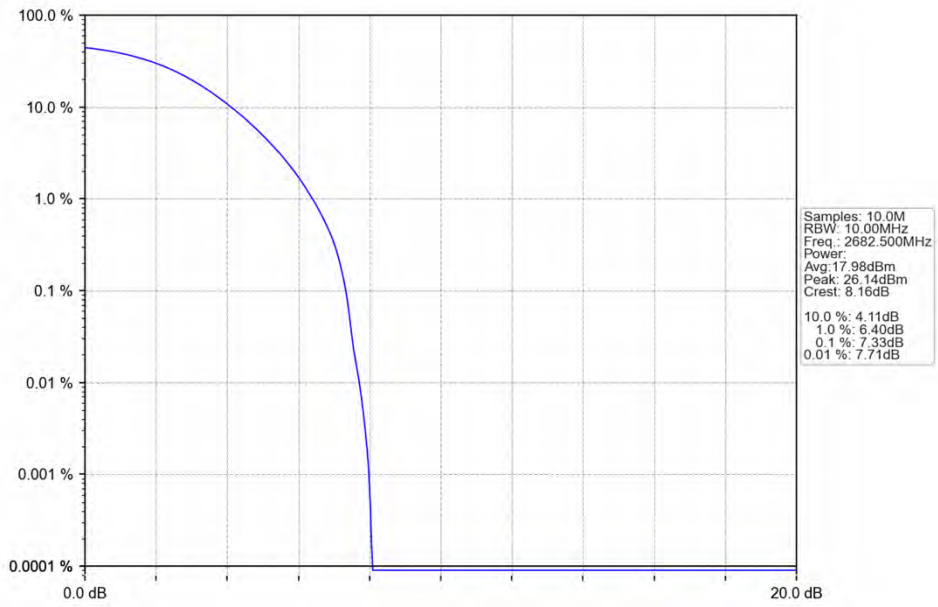
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



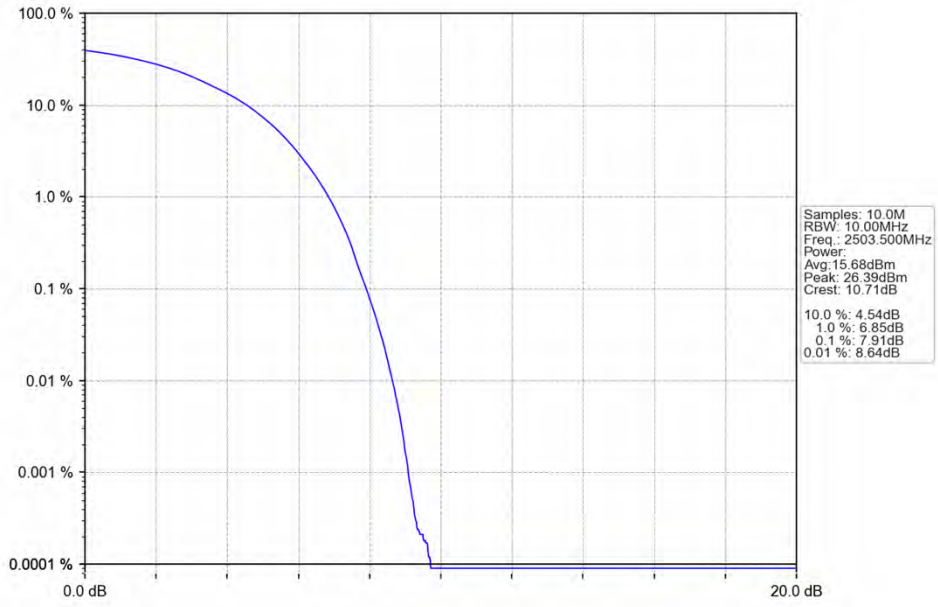
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



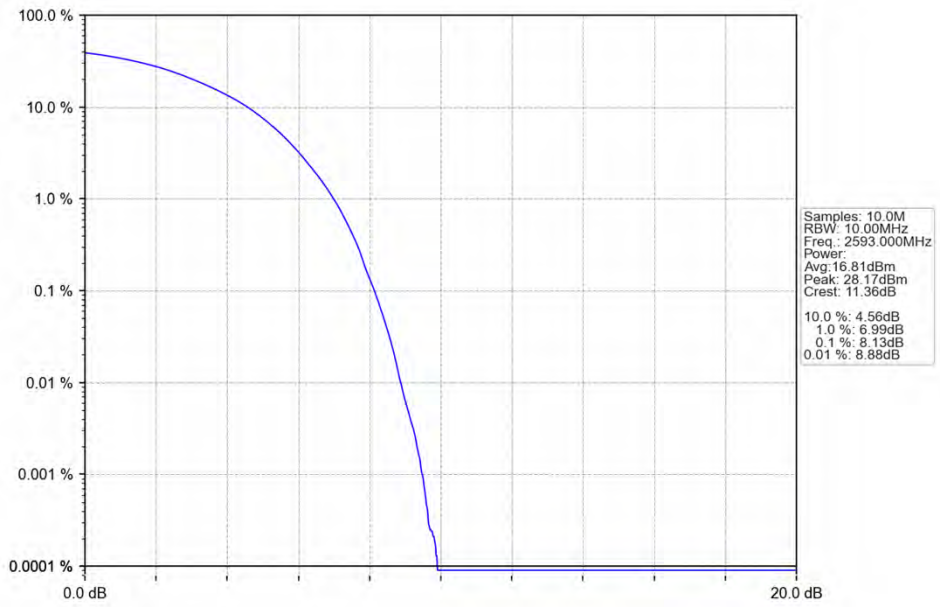
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



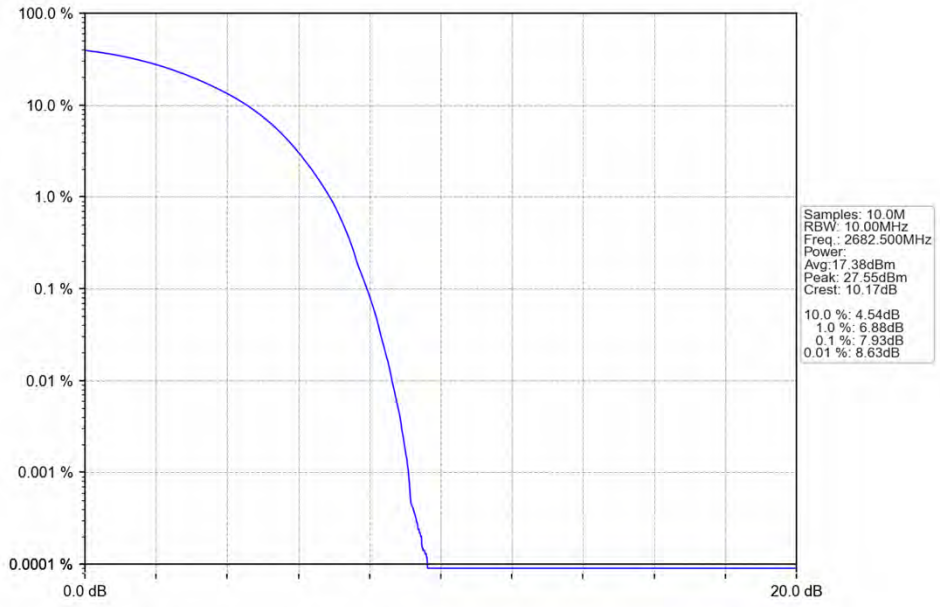
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



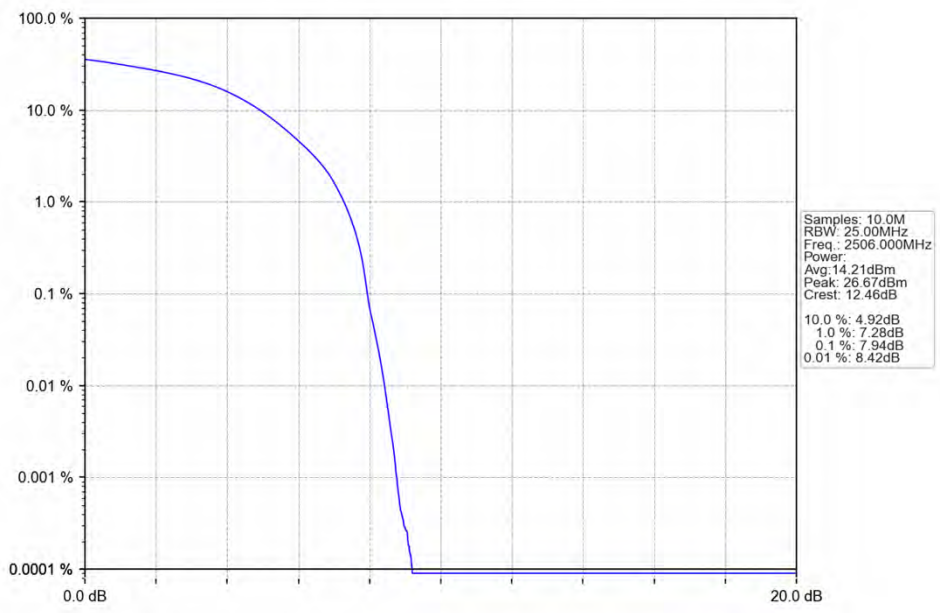
5.4 B41_20MHz

5.4.1 Test Result

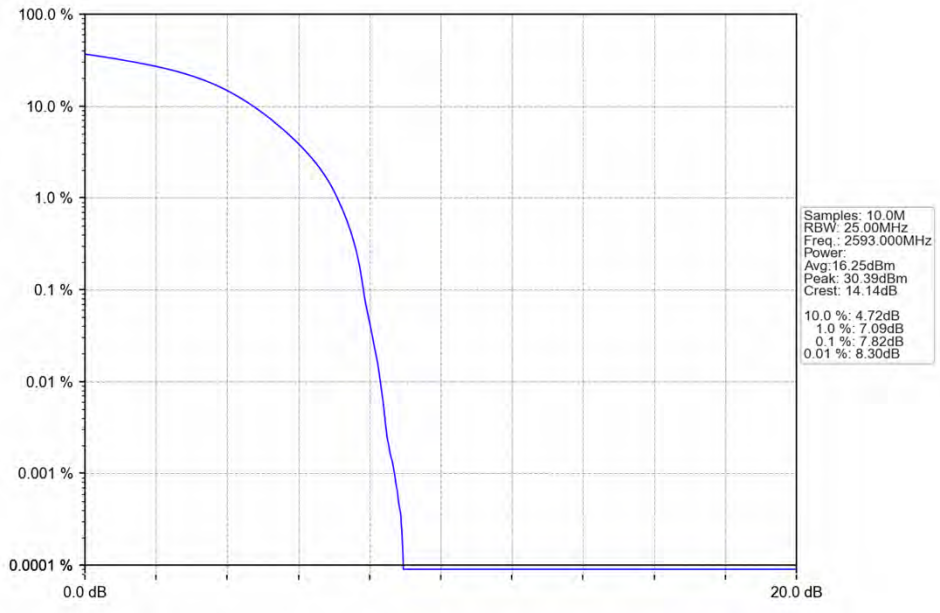
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.94	<=13	Pass
	2593	100	0	7.82	<=13	Pass
	2680	100	0	7.79	<=13	Pass
16QAM	2506	100	0	8.58	<=13	Pass
	2593	100	0	8.83	<=13	Pass
	2680	100	0	8.61	<=13	Pass

5.4.2 Test Graph

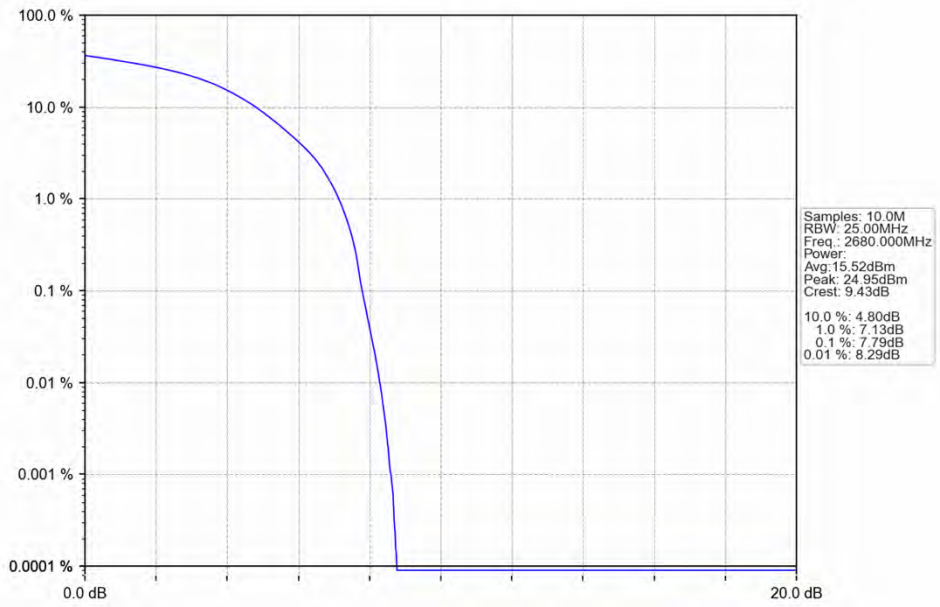
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV