

Appendix - 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	2498.5	1	0	14.94	-2.34	12.60	<=33.01	Pass
			13	15.03	-2.34	12.69	<=33.01	Pass
			24	14.89	-2.34	12.55	<=33.01	Pass
		12	0	14.04	-2.34	11.70	<=33.01	Pass
			6	14.13	-2.34	11.79	<=33.01	Pass
			13	14.04	-2.34	11.70	<=33.01	Pass
		25	0	14.10	-2.34	11.76	<=33.01	Pass
	2593	1	0	14.15	-2.34	11.81	<=33.01	Pass
			13	14.31	-2.34	11.97	<=33.01	Pass
			24	14.05	-2.34	11.71	<=33.01	Pass
		12	0	13.24	-2.34	10.90	<=33.01	Pass
			6	13.23	-2.34	10.89	<=33.01	Pass
			13	13.14	-2.34	10.80	<=33.01	Pass
		25	0	13.14	-2.34	10.80	<=33.01	Pass
	2687.5	1	0	14.34	-2.34	12.00	<=33.01	Pass
			13	14.43	-2.34	12.09	<=33.01	Pass
			24	14.29	-2.34	11.95	<=33.01	Pass
		12	0	13.41	-2.34	11.07	<=33.01	Pass
			6	13.33	-2.34	10.99	<=33.01	Pass
			13	13.43	-2.34	11.09	<=33.01	Pass
		25	0	13.31	-2.34	10.97	<=33.01	Pass
16QAM	2498.5	1	0	14.11	-2.34	11.77	<=33.01	Pass
			13	14.30	-2.34	11.96	<=33.01	Pass
			24	13.66	-2.34	11.32	<=33.01	Pass
		12	0	13.05	-2.34	10.71	<=33.01	Pass
			6	13.07	-2.34	10.73	<=33.01	Pass
			13	13.05	-2.34	10.71	<=33.01	Pass
		25	0	13.12	-2.34	10.78	<=33.01	Pass
	2593	1	0	13.22	-2.34	10.88	<=33.01	Pass
			13	13.51	-2.34	11.17	<=33.01	Pass
			24	13.11	-2.34	10.77	<=33.01	Pass
		12	0	12.15	-2.34	9.81	<=33.01	Pass
			6	12.20	-2.34	9.86	<=33.01	Pass
			13	12.14	-2.34	9.80	<=33.01	Pass
		25	0	12.22	-2.34	9.88	<=33.01	Pass
	2687.5	1	0	13.26	-2.34	10.92	<=33.01	Pass
			13	13.51	-2.34	11.17	<=33.01	Pass
			24	13.61	-2.34	11.27	<=33.01	Pass
		12	0	12.25	-2.34	9.91	<=33.01	Pass
			6	12.49	-2.34	10.15	<=33.01	Pass
			13	12.27	-2.34	9.93	<=33.01	Pass
		25	0	12.48	-2.34	10.14	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
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Page 1 of 144

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Version: 1/00

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	14.79	-2.34	12.45	<=33.01	Pass
			25	14.97	-2.34	12.63	<=33.01	Pass
			49	14.67	-2.34	12.33	<=33.01	Pass
		25	0	13.74	-2.34	11.40	<=33.01	Pass
			13	13.82	-2.34	11.48	<=33.01	Pass
			25	13.75	-2.34	11.41	<=33.01	Pass
		50	0	13.81	-2.34	11.47	<=33.01	Pass
	2593	1	0	14.48	-2.34	12.14	<=33.01	Pass
			25	14.68	-2.34	12.34	<=33.01	Pass
			49	14.50	-2.34	12.16	<=33.01	Pass
		25	0	13.48	-2.34	11.14	<=33.01	Pass
			13	13.52	-2.34	11.18	<=33.01	Pass
			25	13.51	-2.34	11.17	<=33.01	Pass
		50	0	13.53	-2.34	11.19	<=33.01	Pass
	2685	1	0	14.65	-2.34	12.31	<=33.01	Pass
			25	14.76	-2.34	12.42	<=33.01	Pass
			49	14.42	-2.34	12.08	<=33.01	Pass
		25	0	13.54	-2.34	11.20	<=33.01	Pass
			13	13.46	-2.34	11.12	<=33.01	Pass
			25	13.61	-2.34	11.27	<=33.01	Pass
		50	0	13.32	-2.34	10.98	<=33.01	Pass
16QAM	2501	1	0	13.72	-2.34	11.38	<=33.01	Pass
			25	13.67	-2.34	11.33	<=33.01	Pass
			49	13.40	-2.34	11.06	<=33.01	Pass
		25	0	12.78	-2.34	10.44	<=33.01	Pass
			13	12.80	-2.34	10.46	<=33.01	Pass
			25	12.78	-2.34	10.44	<=33.01	Pass
		50	0	12.82	-2.34	10.48	<=33.01	Pass
	2593	1	0	13.26	-2.34	10.92	<=33.01	Pass
			25	13.43	-2.34	11.09	<=33.01	Pass
			49	13.16	-2.34	10.82	<=33.01	Pass
		25	0	12.49	-2.34	10.15	<=33.01	Pass
			13	12.56	-2.34	10.22	<=33.01	Pass
			25	12.56	-2.34	10.22	<=33.01	Pass
		50	0	12.44	-2.34	10.10	<=33.01	Pass
	2685	1	0	13.34	-2.34	11.00	<=33.01	Pass
			25	13.26	-2.34	10.92	<=33.01	Pass
			49	13.05	-2.34	10.71	<=33.01	Pass
		25	0	12.57	-2.34	10.23	<=33.01	Pass
			13	12.30	-2.34	9.96	<=33.01	Pass
			25	12.33	-2.34	9.99	<=33.01	Pass
		50	0	12.50	-2.34	10.16	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	14.98	-2.34	12.64	<=33.01	Pass
			38	14.85	-2.34	12.51	<=33.01	Pass
			74	14.72	-2.34	12.38	<=33.01	Pass
		36	0	13.98	-2.34	11.64	<=33.01	Pass
			18	13.98	-2.34	11.64	<=33.01	Pass
			39	13.92	-2.34	11.58	<=33.01	Pass
		75	0	13.88	-2.34	11.54	<=33.01	Pass
	2593	1	0	14.82	-2.34	12.48	<=33.01	Pass

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Page 2 of 144

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16QAM	2682.5	36	38	14.87	-2.34	12.53	<=33.01	Pass
			74	14.74	-2.34	12.40	<=33.01	Pass
			0	13.78	-2.34	11.44	<=33.01	Pass
			18	13.77	-2.34	11.43	<=33.01	Pass
		75	39	13.86	-2.34	11.52	<=33.01	Pass
			0	13.77	-2.34	11.43	<=33.01	Pass
			0	14.24	-2.34	11.90	<=33.01	Pass
			38	14.39	-2.34	12.05	<=33.01	Pass
		36	74	14.07	-2.34	11.73	<=33.01	Pass
			0	13.45	-2.34	11.11	<=33.01	Pass
			18	13.41	-2.34	11.07	<=33.01	Pass
			39	13.20	-2.34	10.86	<=33.01	Pass
	2503.5	1	75	13.25	-2.34	10.91	<=33.01	Pass
			0	13.84	-2.34	11.50	<=33.01	Pass
			38	14.41	-2.34	12.07	<=33.01	Pass
			74	13.83	-2.34	11.49	<=33.01	Pass
		36	0	12.96	-2.34	10.62	<=33.01	Pass
			18	12.97	-2.34	10.63	<=33.01	Pass
			39	12.88	-2.34	10.54	<=33.01	Pass
			75	13.00	-2.34	10.66	<=33.01	Pass
		2593	1	13.67	-2.34	11.33	<=33.01	Pass
			38	13.75	-2.34	11.41	<=33.01	Pass
			74	13.69	-2.34	11.35	<=33.01	Pass
			0	12.87	-2.34	10.53	<=33.01	Pass
	2682.5	36	18	12.74	-2.34	10.40	<=33.01	Pass
			39	12.83	-2.34	10.49	<=33.01	Pass
			75	12.88	-2.34	10.54	<=33.01	Pass
		1	0	13.49	-2.34	11.15	<=33.01	Pass
			38	13.49	-2.34	11.15	<=33.01	Pass
			74	13.35	-2.34	11.01	<=33.01	Pass
			0	12.20	-2.34	9.86	<=33.01	Pass
		36	18	12.20	-2.34	9.86	<=33.01	Pass
			39	12.35	-2.34	10.01	<=33.01	Pass
			75	12.20	-2.34	9.86	<=33.01	Pass
			0	12.20	-2.34	9.86	<=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	2506	1	0	14.35	-2.34	12.01	<=33.01	Pass
			50	14.56	-2.34	12.22	<=33.01	Pass
			99	14.15	-2.34	11.81	<=33.01	Pass
		50	0	13.48	-2.34	11.14	<=33.01	Pass
			25	13.50	-2.34	11.16	<=33.01	Pass
			50	13.44	-2.34	11.10	<=33.01	Pass
		100	0	13.47	-2.34	11.13	<=33.01	Pass
			0	14.23	-2.34	11.89	<=33.01	Pass
			50	14.58	-2.34	12.24	<=33.01	Pass
		2593	99	14.05	-2.34	11.71	<=33.01	Pass
			0	13.48	-2.34	11.14	<=33.01	Pass
			25	13.36	-2.34	11.02	<=33.01	Pass
	2680	50	50	13.44	-2.34	11.10	<=33.01	Pass
			100	13.33	-2.34	10.99	<=33.01	Pass
			0	14.31	-2.34	11.97	<=33.01	Pass
		1	50	14.52	-2.34	12.18	<=33.01	Pass
			99	14.25	-2.34	11.91	<=33.01	Pass
			0	13.54	-2.34	11.20	<=33.01	Pass

16QAM	2506	100	25	13.40	-2.34	11.06	<=33.01	Pass
			50	13.50	-2.34	11.16	<=33.01	Pass
			0	13.35	-2.34	11.01	<=33.01	Pass
		1	0	13.60	-2.34	11.26	<=33.01	Pass
			50	13.21	-2.34	10.87	<=33.01	Pass
			99	13.25	-2.34	10.91	<=33.01	Pass
		50	0	12.48	-2.34	10.14	<=33.01	Pass
			25	12.58	-2.34	10.24	<=33.01	Pass
			50	12.44	-2.34	10.10	<=33.01	Pass
		100	0	12.62	-2.34	10.28	<=33.01	Pass
	2593	1	0	12.98	-2.34	10.64	<=33.01	Pass
			50	13.27	-2.34	10.93	<=33.01	Pass
			99	12.89	-2.34	10.55	<=33.01	Pass
		50	0	12.37	-2.34	10.03	<=33.01	Pass
			25	12.50	-2.34	10.16	<=33.01	Pass
			50	12.39	-2.34	10.05	<=33.01	Pass
		100	0	12.48	-2.34	10.14	<=33.01	Pass
	2680	1	0	13.40	-2.34	11.06	<=33.01	Pass
			50	13.88	-2.34	11.54	<=33.01	Pass
			99	13.37	-2.34	11.03	<=33.01	Pass
		50	0	12.56	-2.34	10.22	<=33.01	Pass
			25	12.37	-2.34	10.03	<=33.01	Pass
			50	12.35	-2.34	10.01	<=33.01	Pass
		100	0	12.54	-2.34	10.20	<=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	2498.5	25	0	20	3.27	-2.861	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-11.573	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-15.965	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-17.467	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-16.651	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-20.328	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-21.858	-0.0087	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	2.074	0.0008	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				10	3.85	3.333	0.0013	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-11.916	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-20.714	-0.0080	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-25.506	-0.0095	-2.5 to 2.5	Pass

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Page 4 of 144

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					3.85	-27.223	-0.0101	-2.5 to 2.5	Pass	
					4.43	-37.236	-0.0139	-2.5 to 2.5	Pass	
				-30	3.85	-43.130	-0.0160	-2.5 to 2.5	Pass	
				-20	3.85	-48.409	-0.0180	-2.5 to 2.5	Pass	
				-10	3.85	-48.323	-0.0180	-2.5 to 2.5	Pass	
				0	3.85	-57.750	-0.0215	-2.5 to 2.5	Pass	
				10	3.85	-61.097	-0.0227	-2.5 to 2.5	Pass	
				30	3.85	-77.376	-0.0288	-2.5 to 2.5	Pass	
				40	3.85	-74.415	-0.0277	-2.5 to 2.5	Pass	
				50	3.85	-6.394	-0.0024	-2.5 to 2.5	Pass	
16QAM	2498.5	25	0	20	3.27	-23.732	-0.0095	-2.5 to 2.5	Pass	
					3.85	-29.297	-0.0117	-2.5 to 2.5	Pass	
					4.43	-30.756	-0.0123	-2.5 to 2.5	Pass	
				-30	3.85	-36.006	-0.0144	-2.5 to 2.5	Pass	
				-20	3.85	-38.066	-0.0152	-2.5 to 2.5	Pass	
				-10	3.85	-41.127	-0.0165	-2.5 to 2.5	Pass	
				0	3.85	-43.330	-0.0173	-2.5 to 2.5	Pass	
				10	3.85	-62.084	-0.0248	-2.5 to 2.5	Pass	
				30	3.85	-60.596	-0.0243	-2.5 to 2.5	Pass	
				40	3.85	-65.804	-0.0263	-2.5 to 2.5	Pass	
	50	3.85	-72.112	-0.0289	-2.5 to 2.5	Pass				
					20	3.27	-17.753	-0.0068	-2.5 to 2.5	Pass
						3.85	-23.890	-0.0092	-2.5 to 2.5	Pass
						4.43	-26.078	-0.0101	-2.5 to 2.5	Pass
					-30	3.85	-26.608	-0.0103	-2.5 to 2.5	Pass
					-20	3.85	-26.321	-0.0102	-2.5 to 2.5	Pass
					-10	3.85	-35.019	-0.0135	-2.5 to 2.5	Pass
					0	3.85	-44.088	-0.0170	-2.5 to 2.5	Pass
					10	3.85	-42.844	-0.0165	-2.5 to 2.5	Pass
					30	3.85	-51.670	-0.0199	-2.5 to 2.5	Pass
					40	3.85	-47.178	-0.0182	-2.5 to 2.5	Pass
	50	3.85	-49.424	-0.0191	-2.5 to 2.5	Pass				
	2687.5	25	0	20	3.27	-12.259	-0.0046	-2.5 to 2.5	Pass	
					3.85	-12.131	-0.0045	-2.5 to 2.5	Pass	
					4.43	-6.909	-0.0026	-2.5 to 2.5	Pass	
				-30	3.85	-16.408	-0.0061	-2.5 to 2.5	Pass	
				-20	3.85	-8.998	-0.0033	-2.5 to 2.5	Pass	
				-10	3.85	-5.708	-0.0021	-2.5 to 2.5	Pass	
				0	3.85	-4.249	-0.0016	-2.5 to 2.5	Pass	
				10	3.85	-4.978	-0.0019	-2.5 to 2.5	Pass	
30				3.85	-3.376	-0.0013	-2.5 to 2.5	Pass		
40				3.85	-3.734	-0.0014	-2.5 to 2.5	Pass		
50	3.85	-10.643	-0.0040	-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	2501	50	0	20	3.27	-5.293	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.368	-0.0033	-2.5 to 2.5	Pass
					4.43	-6.337	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-8.297	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-3.219	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-10.800	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-11.745	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-7.796	-0.0031	-2.5 to 2.5	Pass

16QAM	2593	50	0	50	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				20	3.27	-8.526	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0025	-2.5 to 2.5	Pass
					4.43	-10.414	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-9.599	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-9.527	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-14.863	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-10.686	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-12.717	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-4.249	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0017	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-12.989	-0.0048	-2.5 to 2.5	Pass
					3.85	-15.421	-0.0057	-2.5 to 2.5	Pass
					4.43	-11.301	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-10.028	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-9.041	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-9.184	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-12.116	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-12.345	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-13.218	-0.0049	-2.5 to 2.5	Pass
	2501	50	0	20	3.27	-10.057	-0.0040	-2.5 to 2.5	Pass
					3.85	-11.001	-0.0044	-2.5 to 2.5	Pass
					4.43	-15.349	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-16.823	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-3.433	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-12.846	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-11.702	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-4.134	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-15.965	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0026	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-7.138	-0.0028	-2.5 to 2.5	Pass
					3.85	-10.071	-0.0039	-2.5 to 2.5	Pass
					4.43	-9.069	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-9.727	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-9.155	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-10.901	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-8.254	-0.0032	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-10.200	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-10.901	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-10.486	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-8.612	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-8.168	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-9.413	-0.0035	-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	2503.5	75	0	20	3.27	-12.846	-0.0051	-2.5 to 2.5	Pass
					3.85	-12.589	-0.0050	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-12.932	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-9.842	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.669	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-9.670	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-10.457	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0025	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-7.482	-0.0029	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0015	-2.5 to 2.5	Pass
					4.43	-13.862	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-6.666	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-34.819	-0.0134	-2.5 to 2.5	Pass
				50	3.85	-8.011	-0.0031	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-5.622	-0.0021	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0025	-2.5 to 2.5	Pass
					4.43	-14.977	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-14.420	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-4.692	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-9.027	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-12.088	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-8.454	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-5.579	-0.0022	-2.5 to 2.5	Pass
					3.85	-13.933	-0.0056	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.812	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-9.527	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-9.255	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-8.583	-0.0034	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-5.965	-0.0023	-2.5 to 2.5	Pass
					3.85	-8.841	-0.0034	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-8.912	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0004	-2.5 to 2.5	Pass
	2682.5	75	0	50	3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
				20	3.27	-9.170	-0.0034	-2.5 to 2.5	Pass

					3.85	-16.708	-0.0062	-2.5 to 2.5	Pass
					4.43	-18.811	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-6.781	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-6.495	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-10.314	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-10.643	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-18.039	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-7.253	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-11.444	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-11.601	-0.0043	-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	2506	100	0	20	3.27	-5.121	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0031	-2.5 to 2.5	Pass
					4.43	-8.783	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-8.426	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-10.171	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-7.410	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-10.600	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-10.300	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0007	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-7.110	-0.0027	-2.5 to 2.5	Pass
					3.85	-8.769	-0.0034	-2.5 to 2.5	Pass
					4.43	-17.409	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-16.007	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.047	0.0012	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-6.266	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-8.454	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-8.583	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-12.574	-0.0048	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-3.862	-0.0014	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0032	-2.5 to 2.5	Pass
					4.43	-13.661	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-13.547	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.411	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-13.447	-0.0050	-2.5 to 2.5	Pass
				30	3.85	1.659	0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.582	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-13.232	-0.0049	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	-10.543	-0.0042	-2.5 to 2.5	Pass
					3.85	3.319	0.0013	-2.5 to 2.5	Pass
					4.43	3.648	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-7.696	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-18.582	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-6.437	-0.0026	-2.5 to 2.5	Pass

	2593	100	0	50	3.85	-9.212	-0.0037	-2.5 to 2.5	Pass
				20	3.27	-14.119	-0.0054	-2.5 to 2.5	Pass
					3.85	1.717	0.0007	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.789	0.0011	-2.5 to 2.5	Pass
				30	3.85	-8.798	-0.0034	-2.5 to 2.5	Pass
	2680	100	0	40	3.85	-15.621	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				20	3.27	-15.893	-0.0059	-2.5 to 2.5	Pass
					3.85	-20.871	-0.0078	-2.5 to 2.5	Pass
					4.43	-17.009	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-8.497	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-10.986	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-5.622	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.120	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0028	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	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	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

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

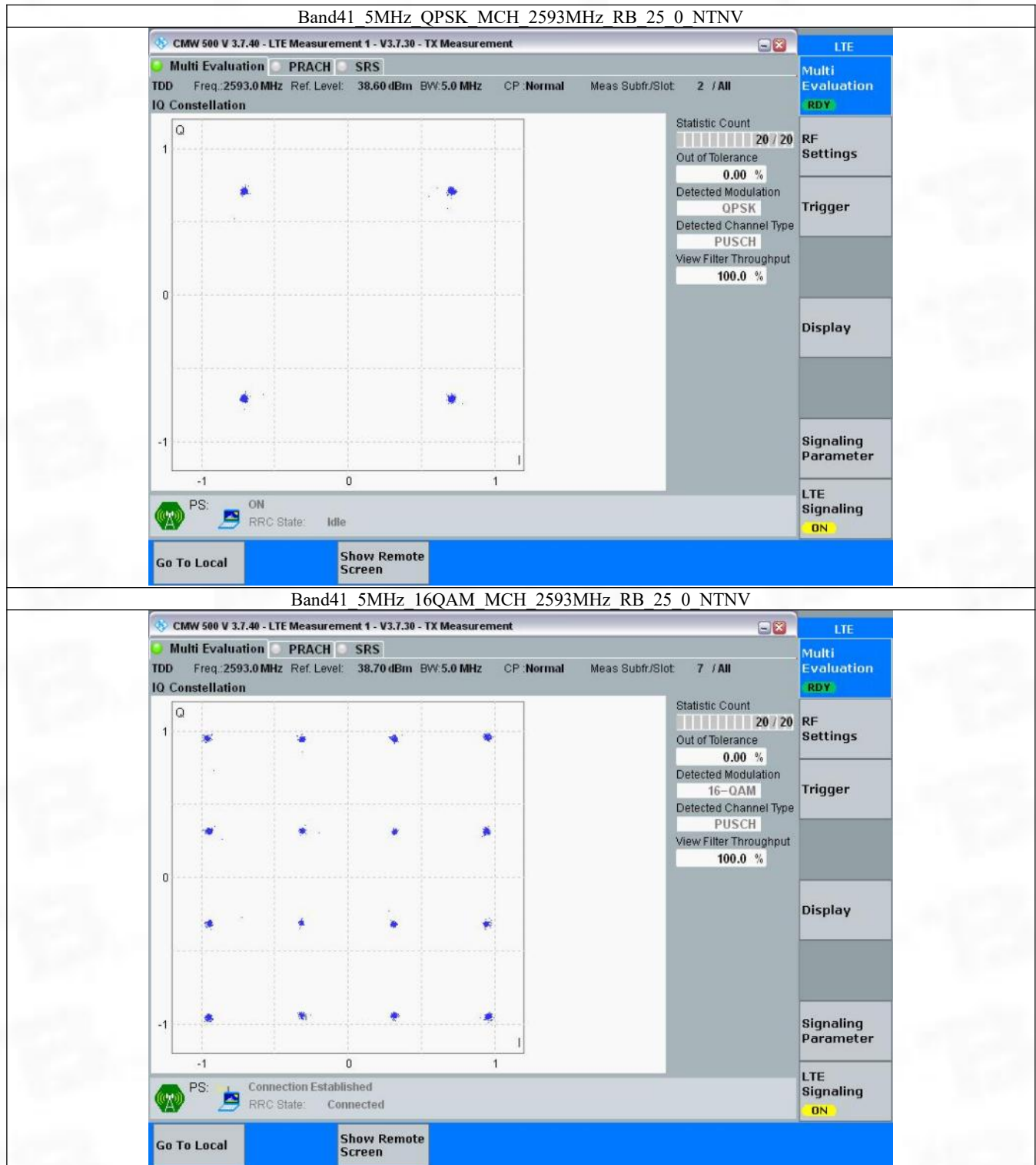
3.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

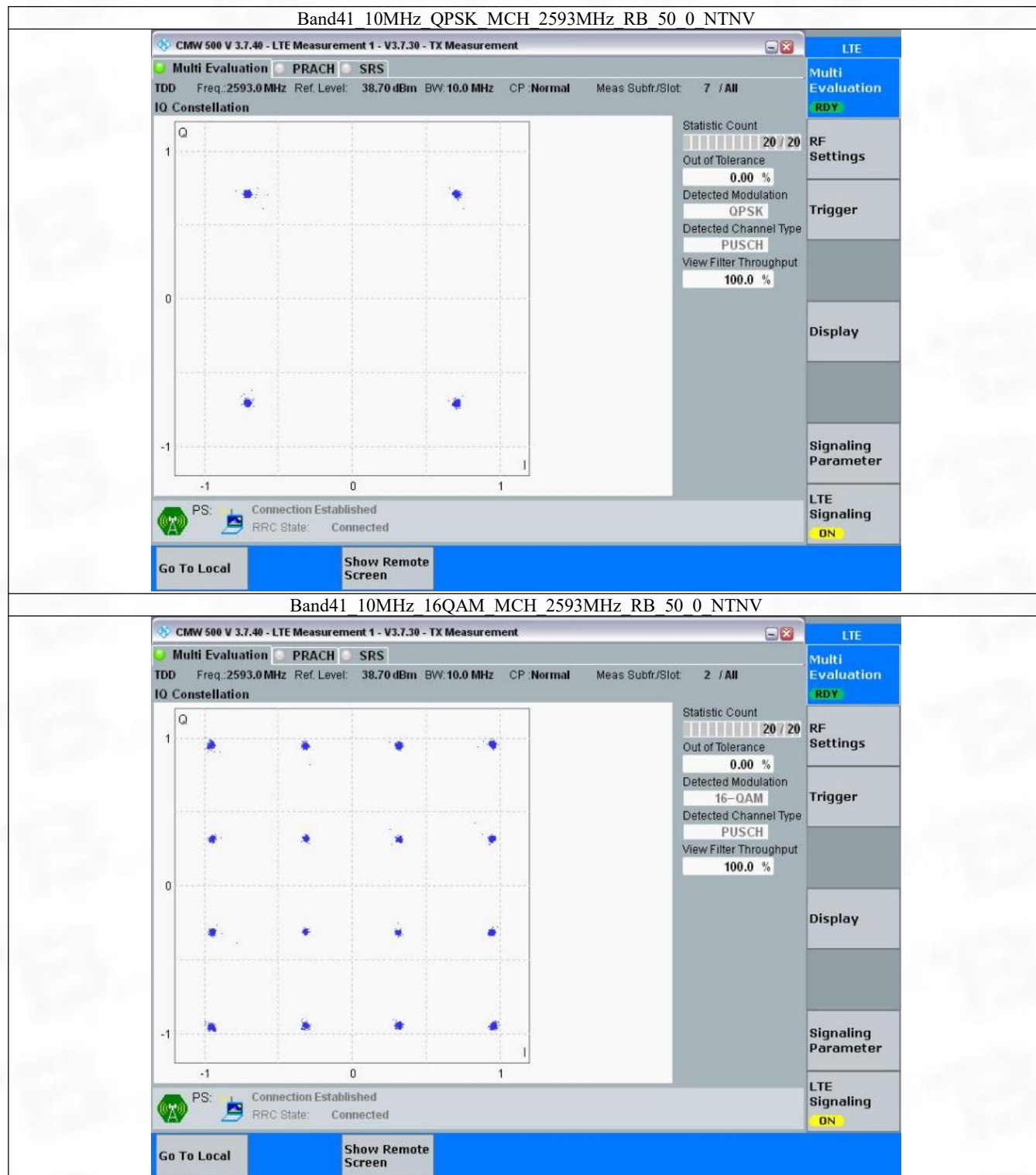
	(MHz)	Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

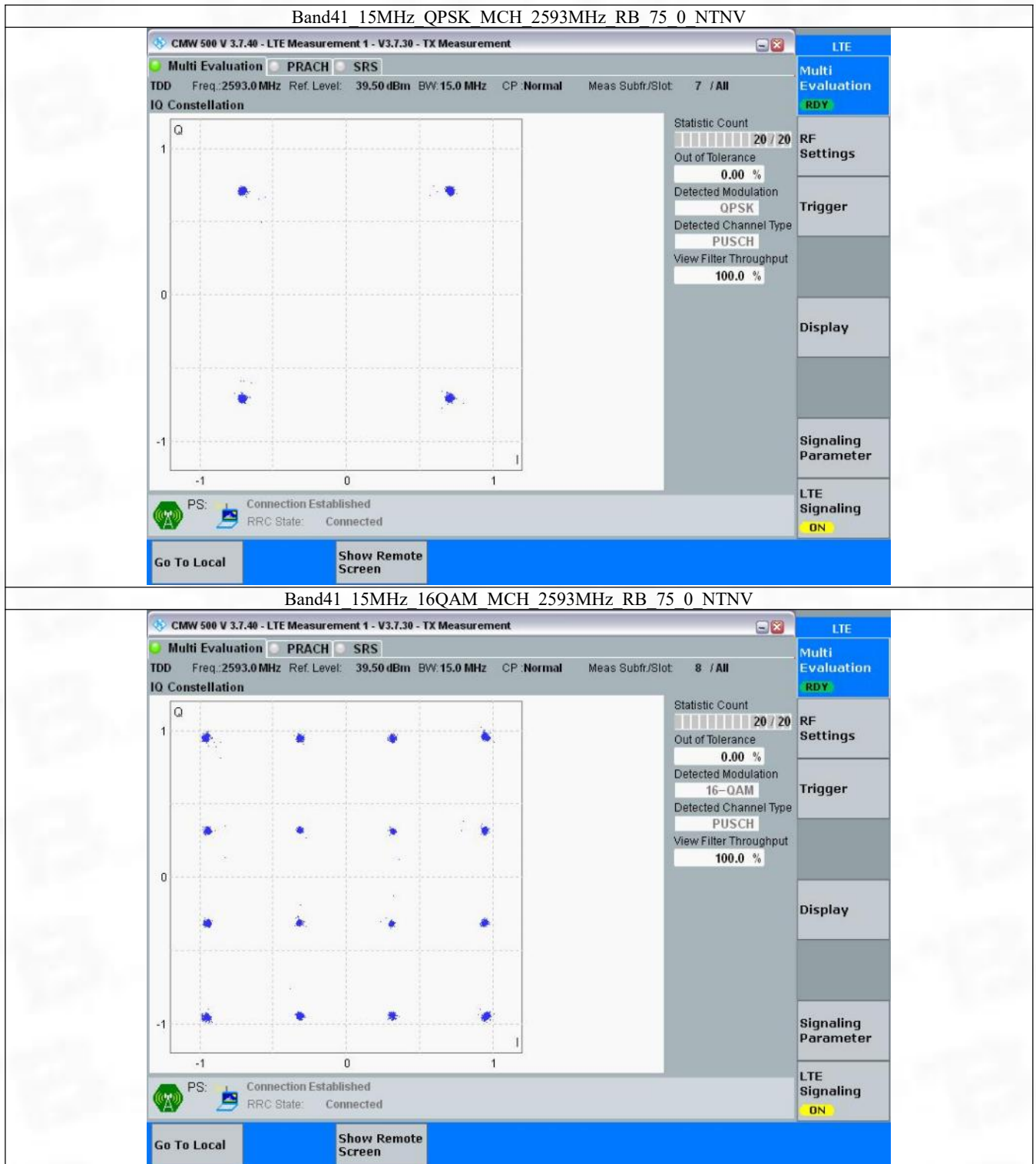
3.2.1 B41_5MHz



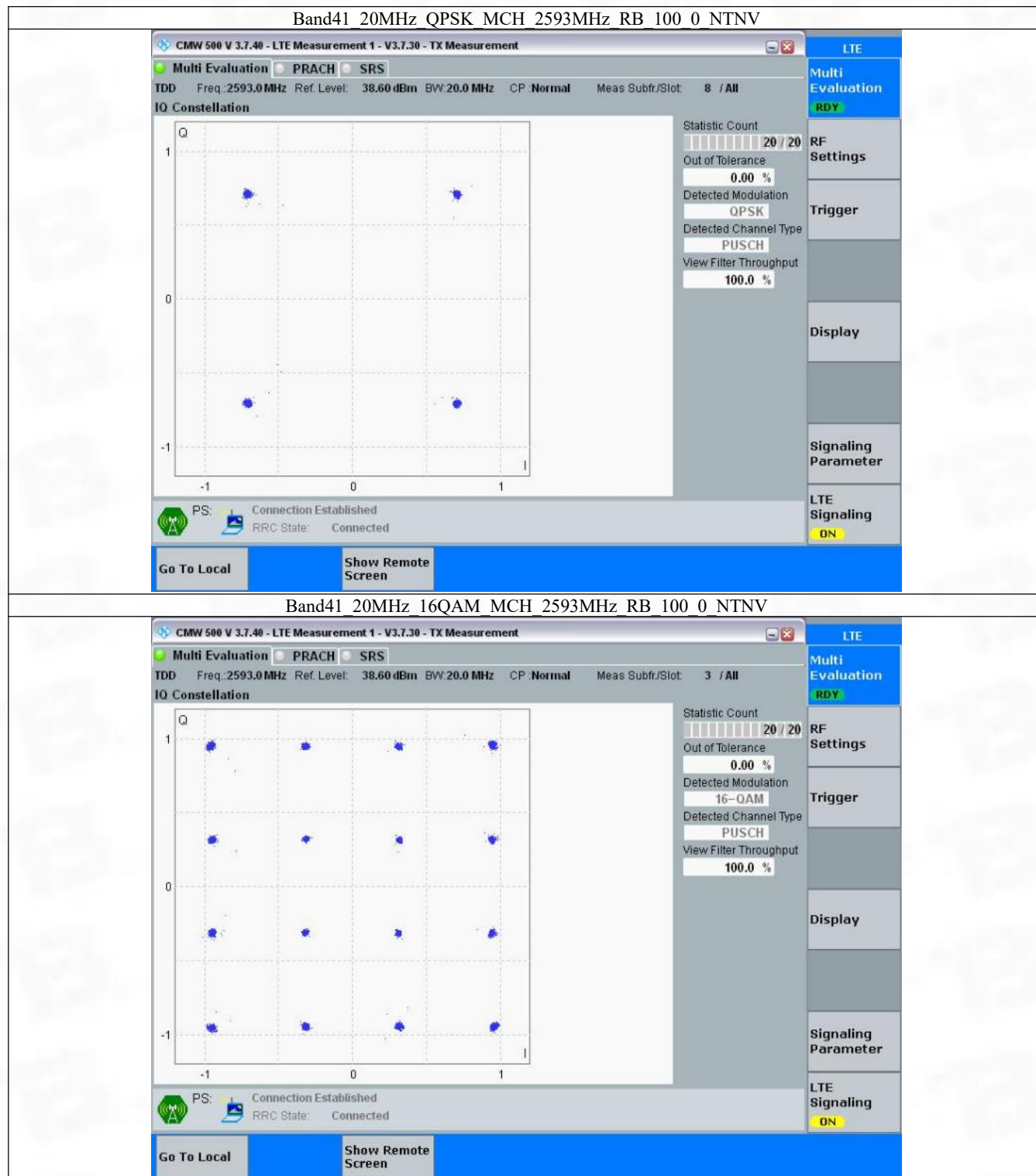
3.2.2 B41_10MHz



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	2498.5	25	0	4.551	/	Pass
		2593	25	0	4.544	/	Pass
		2687.5	25	0	4.546	/	Pass
	16QAM	2498.5	25	0	4.562	/	Pass
		2593	25	0	4.547	/	Pass
		2687.5	25	0	4.536	/	Pass
10	QPSK	2501	50	0	9.103	/	Pass
		2593	50	0	9.061	/	Pass
		2685	50	0	9.045	/	Pass
	16QAM	2501	50	0	9.070	/	Pass
		2593	50	0	9.042	/	Pass
		2685	50	0	9.061	/	Pass
15	QPSK	2503.5	75	0	13.565	/	Pass
		2593	75	0	13.562	/	Pass
		2682.5	75	0	13.640	/	Pass
	16QAM	2503.5	75	0	13.641	/	Pass
		2593	75	0	13.582	/	Pass
		2682.5	75	0	13.582	/	Pass
20	QPSK	2506	100	0	18.132	/	Pass
		2593	100	0	18.070	/	Pass
		2680	100	0	18.132	/	Pass
	16QAM	2506	100	0	18.114	/	Pass
		2593	100	0	18.106	/	Pass
		2680	100	0	18.088	/	Pass

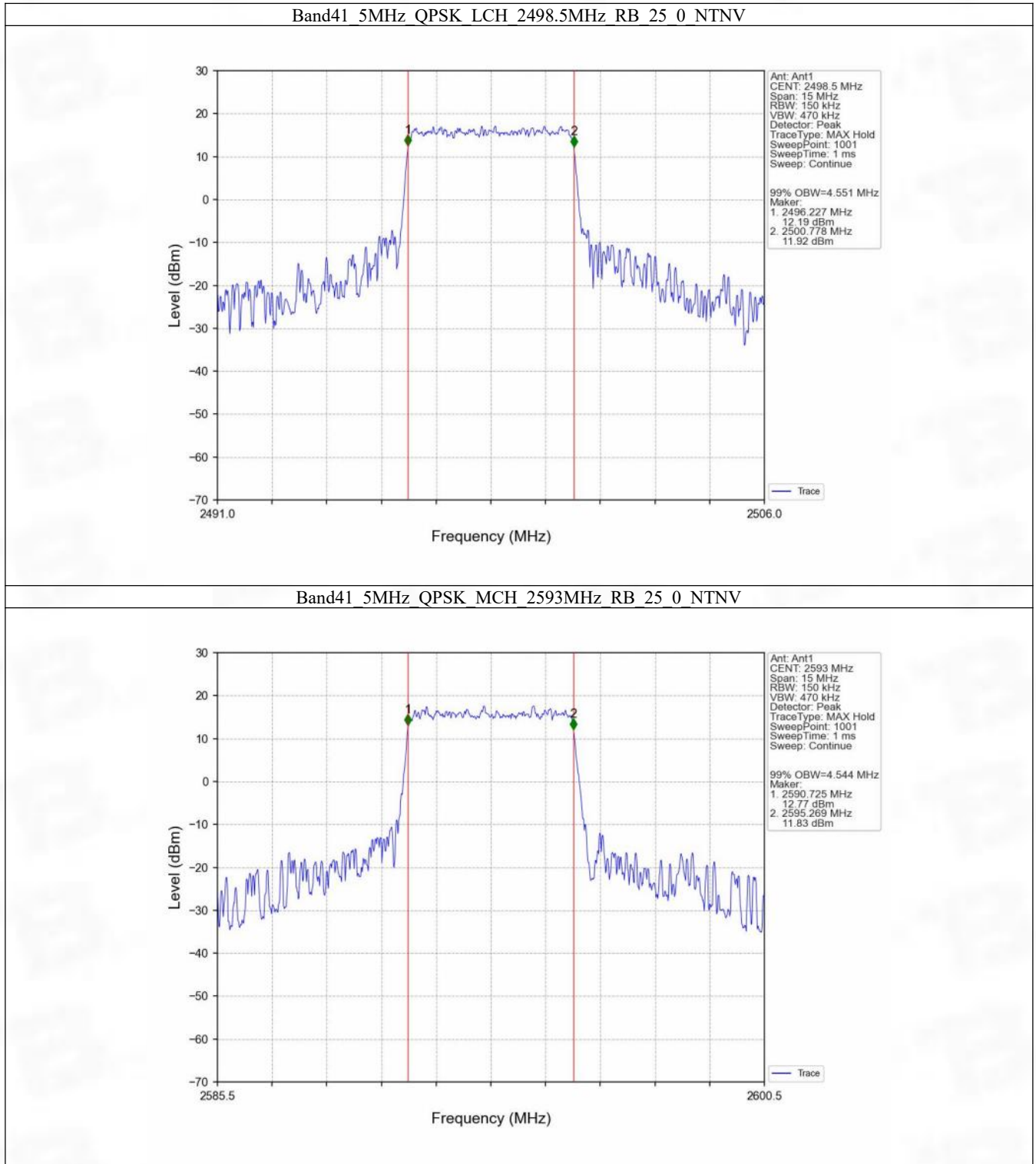
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.755	/	Pass
		2593	25	0	5.031	/	Pass
		2687.5	25	0	5.448	/	Pass
	16QAM	2498.5	25	0	5.005	/	Pass
		2593	25	0	5.392	/	Pass
		2687.5	25	0	5.084	/	Pass
10	QPSK	2501	50	0	11.087	/	Pass
		2593	50	0	9.976	/	Pass
		2685	50	0	10.082	/	Pass
	16QAM	2501	50	0	10.365	/	Pass
		2593	50	0	10.292	/	Pass
		2685	50	0	9.836	/	Pass
15	QPSK	2503.5	75	0	15.350	/	Pass
		2593	75	0	15.959	/	Pass
		2682.5	75	0	15.872	/	Pass
	16QAM	2503.5	75	0	17.638	/	Pass
		2593	75	0	15.855	/	Pass
		2680	75	0	15.855	/	Pass

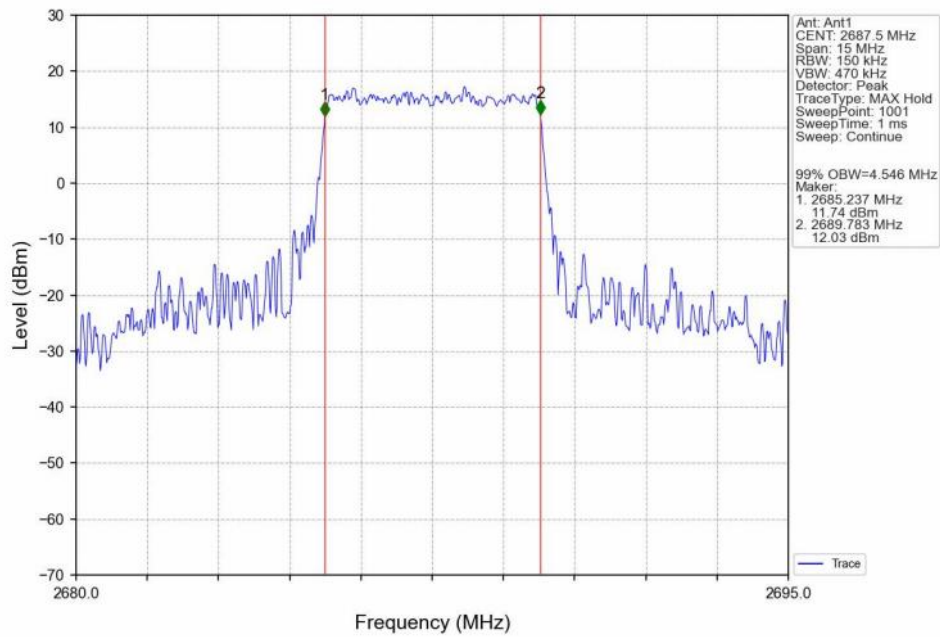
20	QPSK	2682.5	75	0	15.342	/	Pass
		2506	100	0	20.464	/	Pass
		2593	100	0	20.464	/	Pass
		2680	100	0	20.607	/	Pass
	16QAM	2506	100	0	20.311	/	Pass
		2593	100	0	19.904	/	Pass
		2680	100	0	20.417	/	Pass

4.2 Test Graph

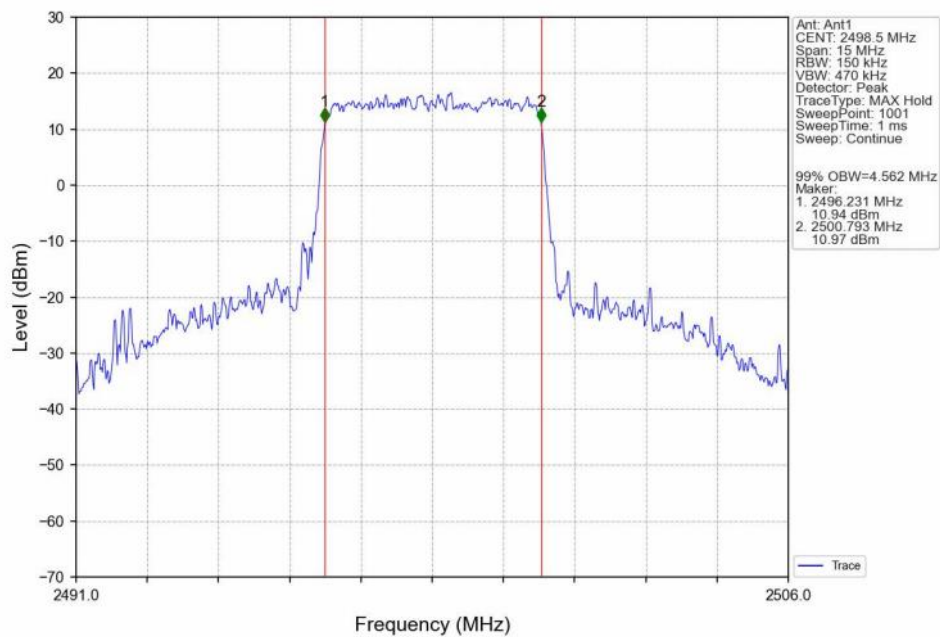
4.2.1 Band41_OBW



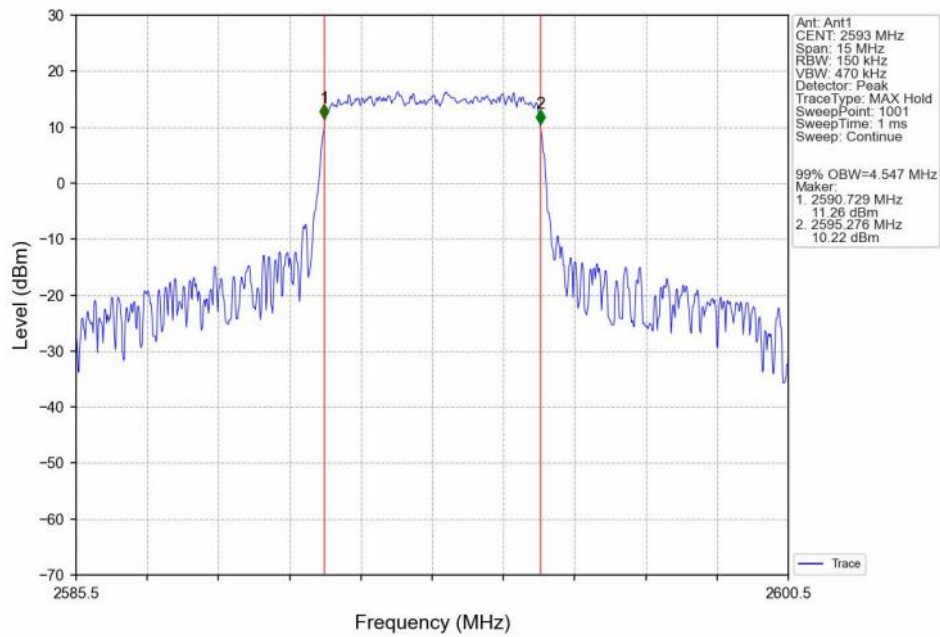
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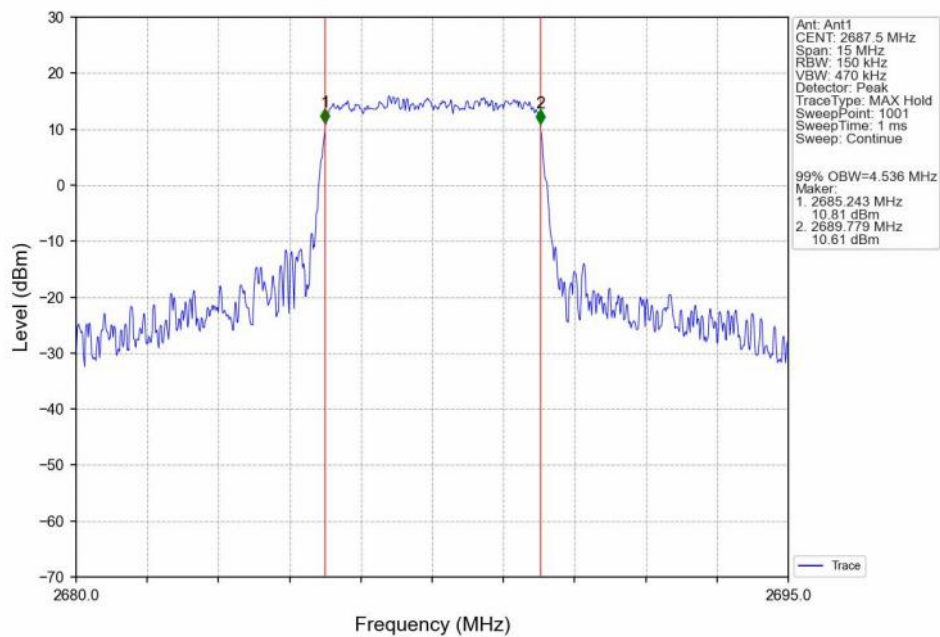
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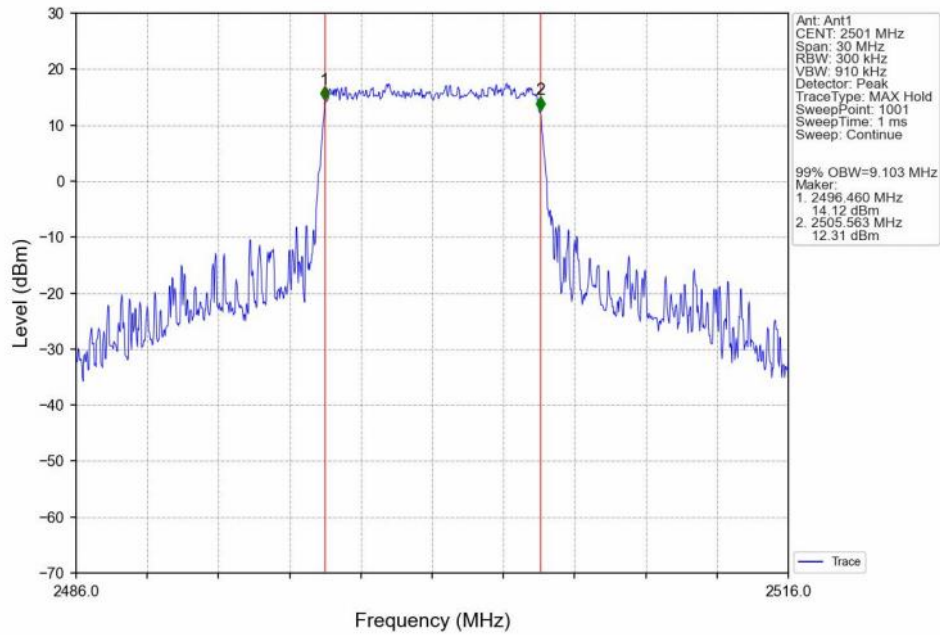
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



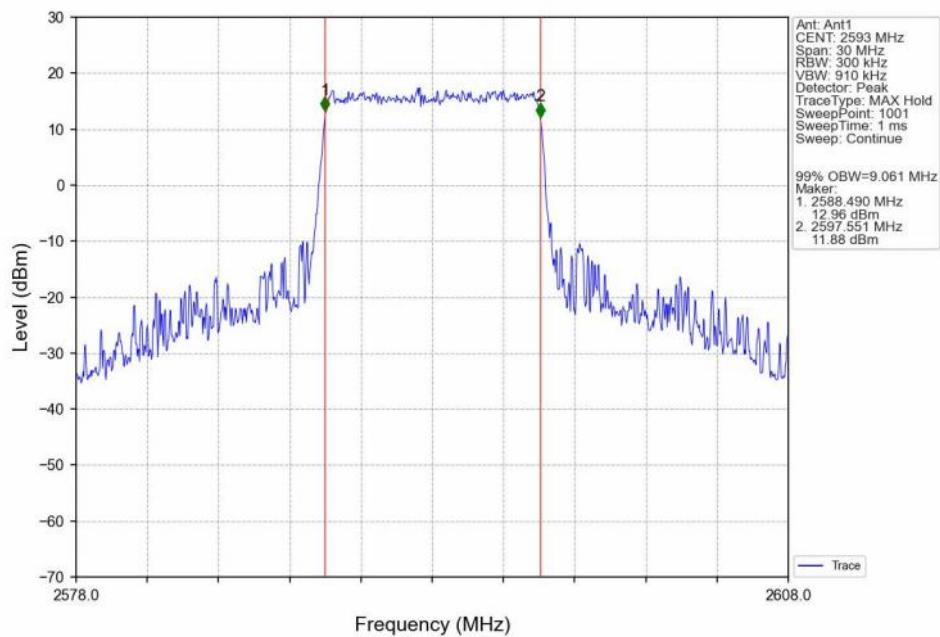
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



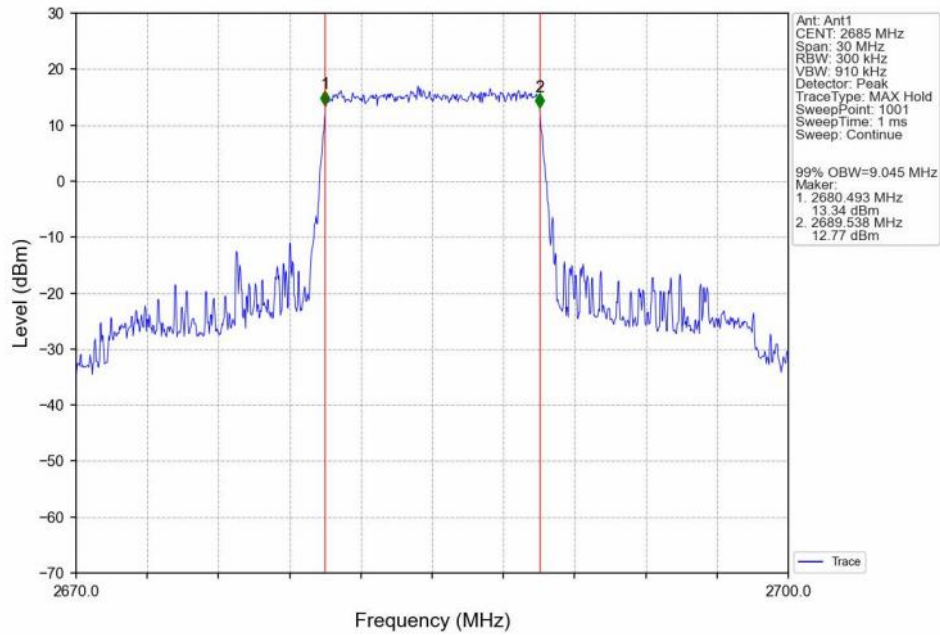
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



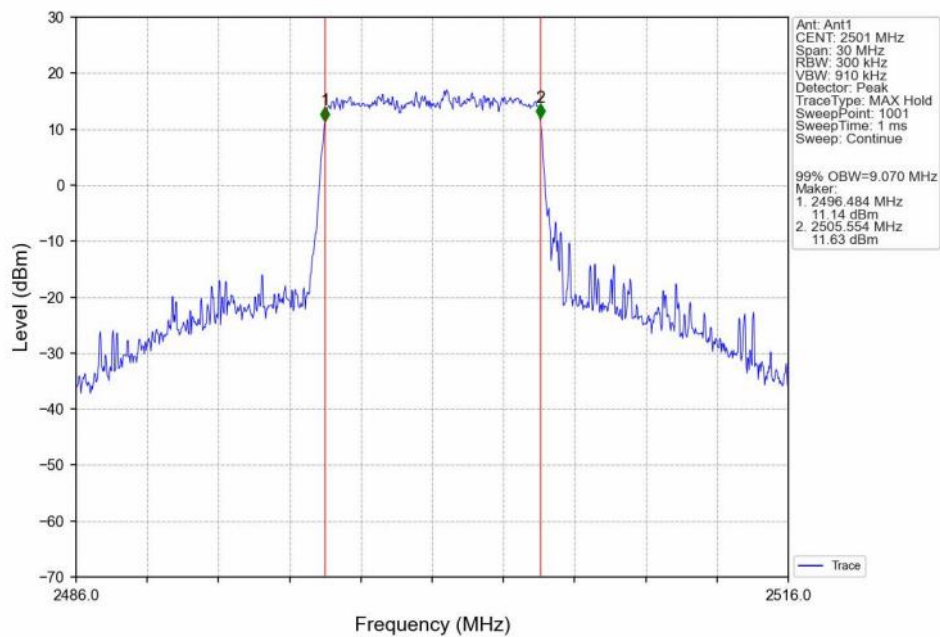
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



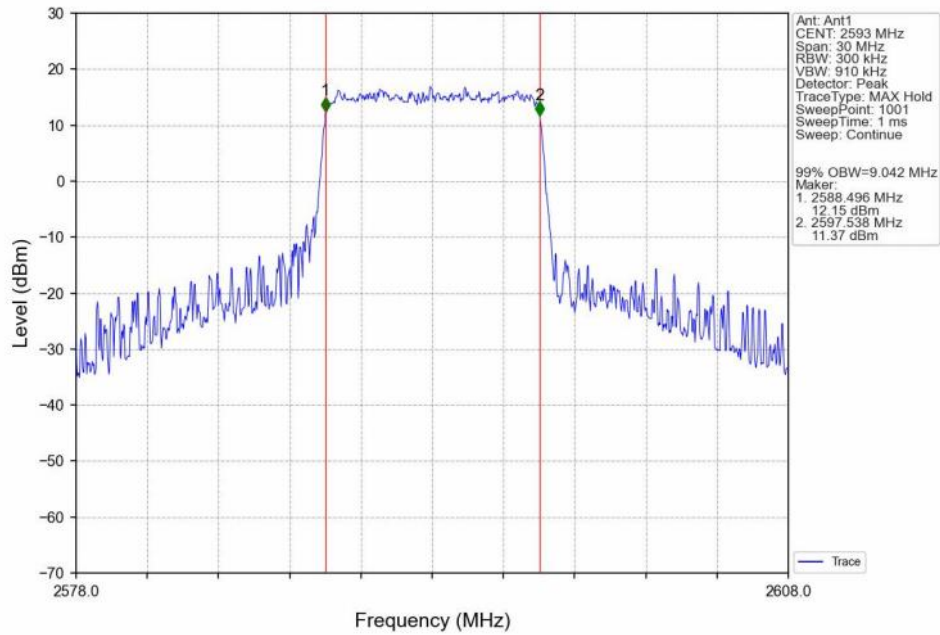
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



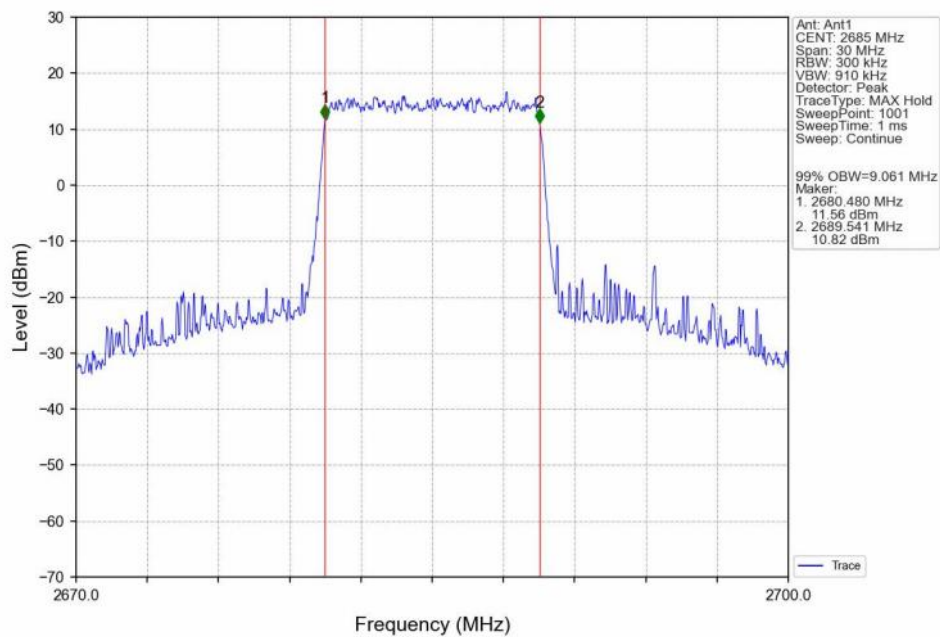
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



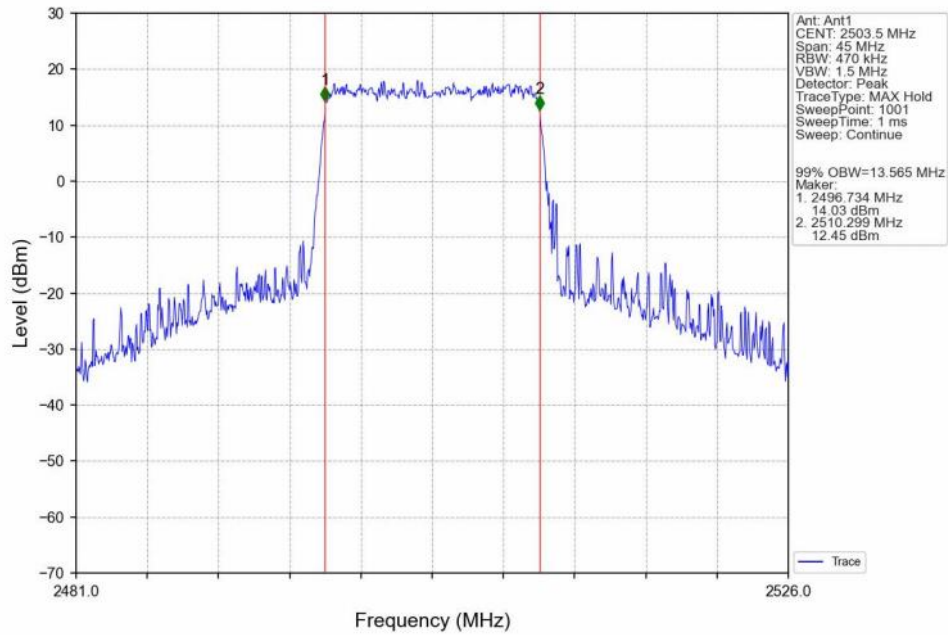
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



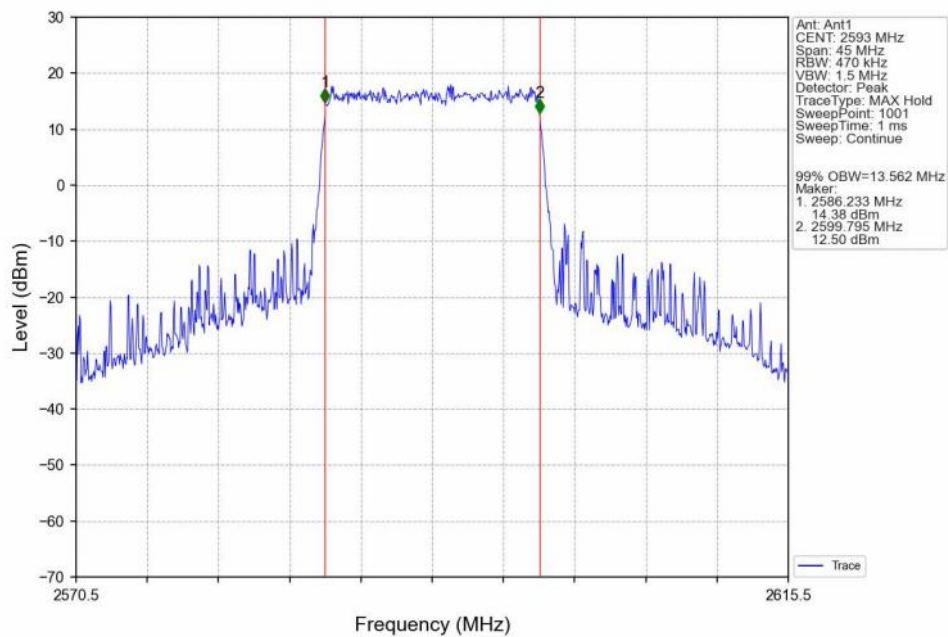
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



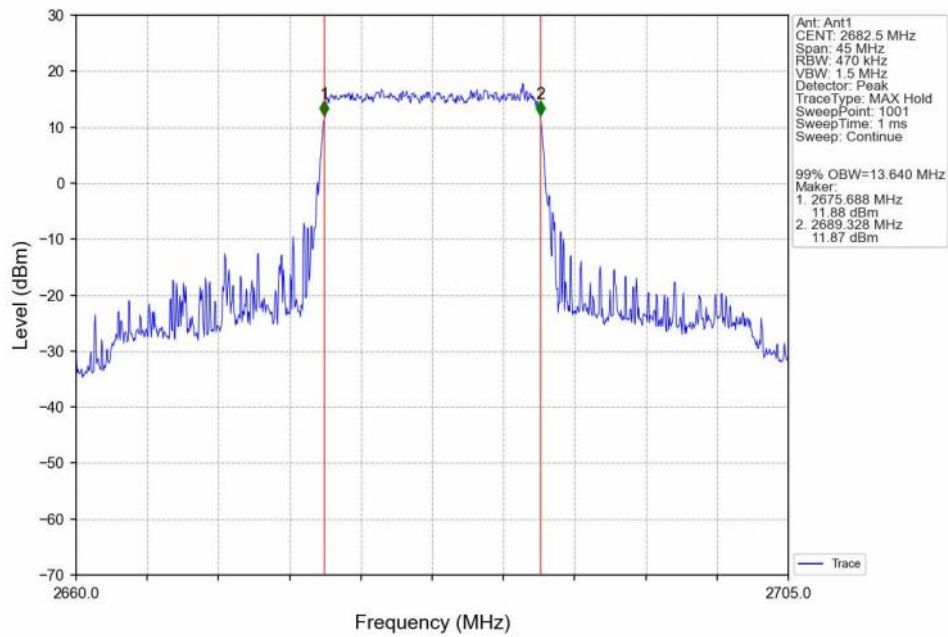
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



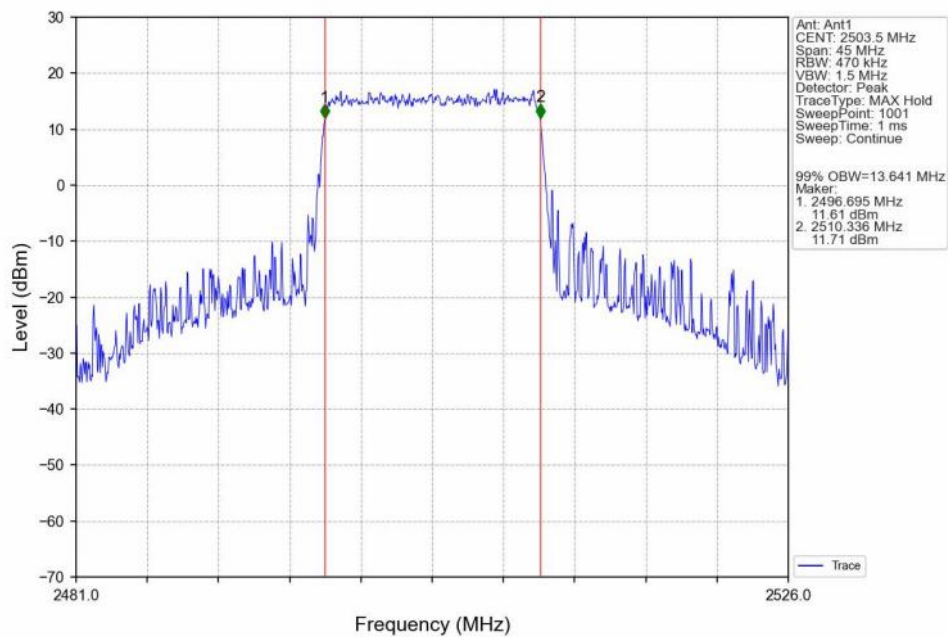
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



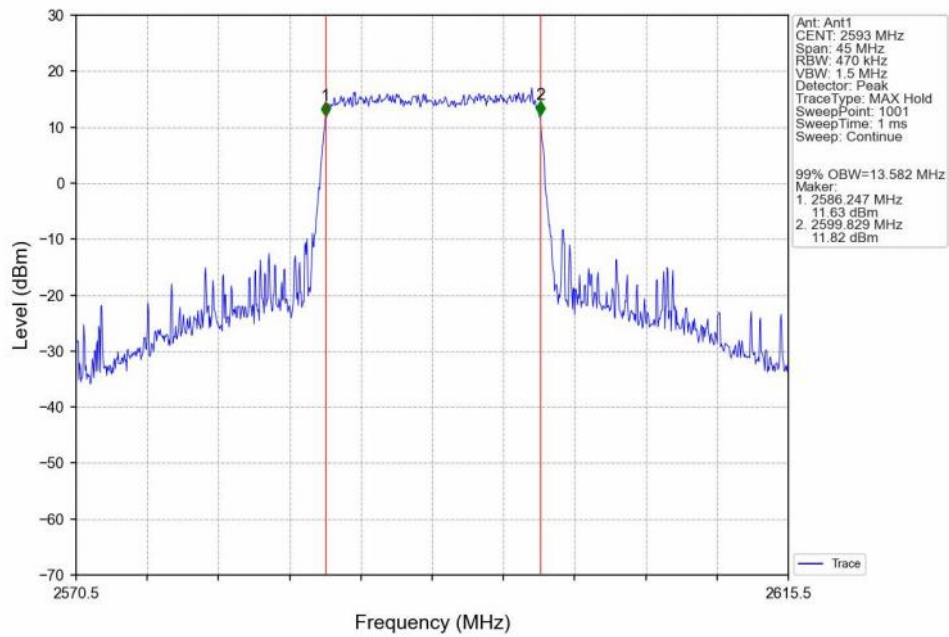
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



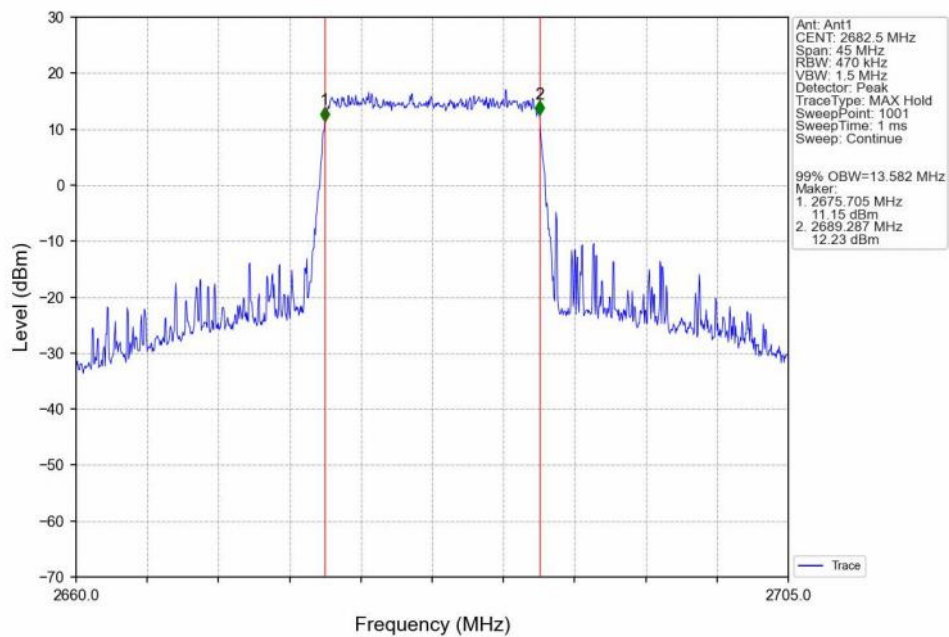
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



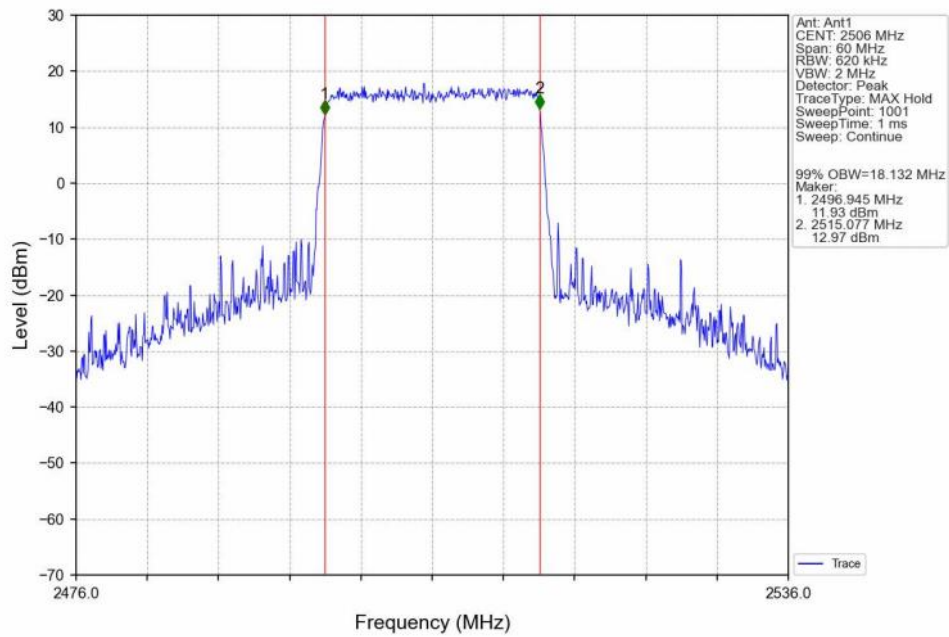
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



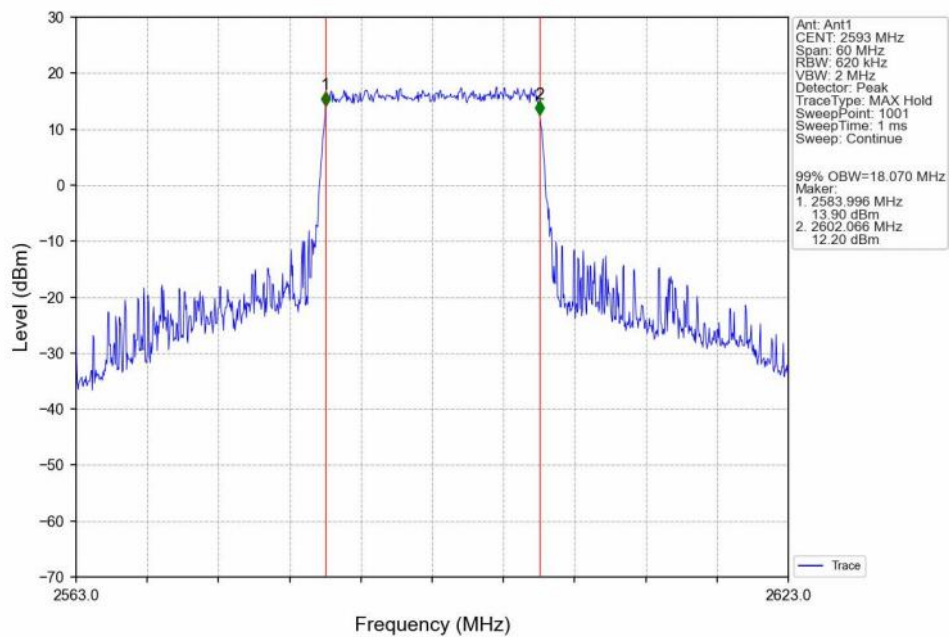
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



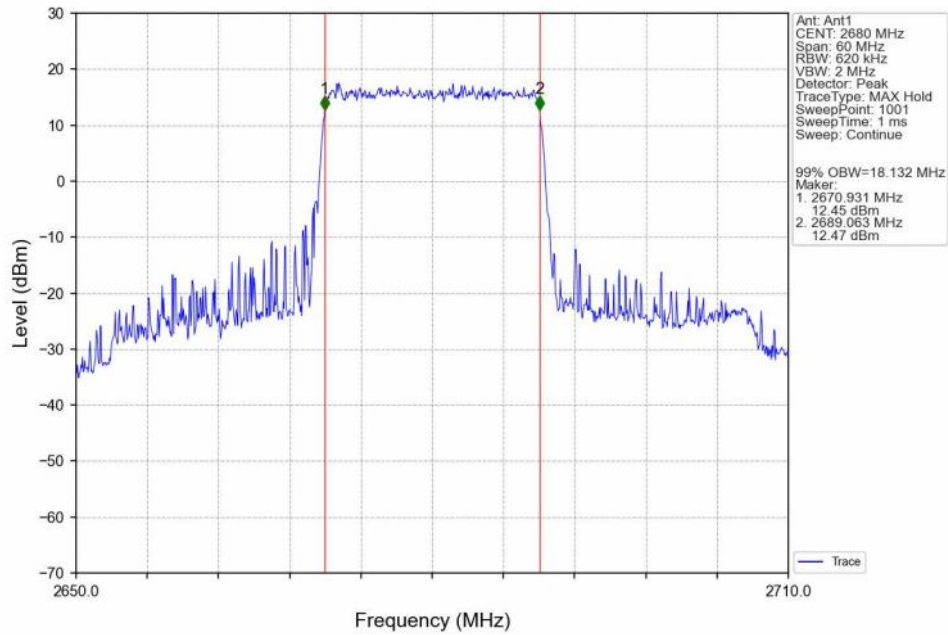
Band41 20MHz QPSK LCH 2506MHz RB 100 0 NTNV



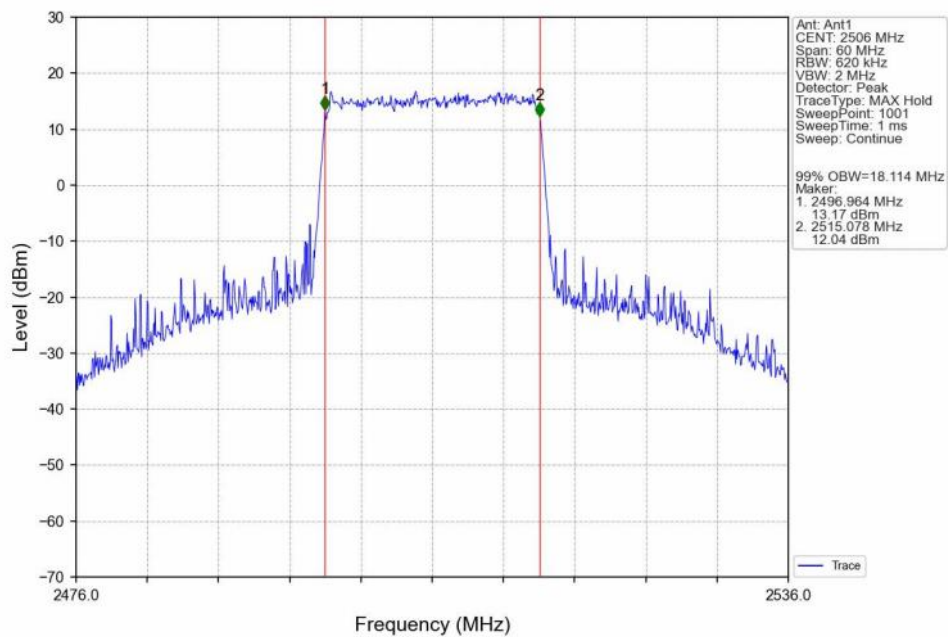
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



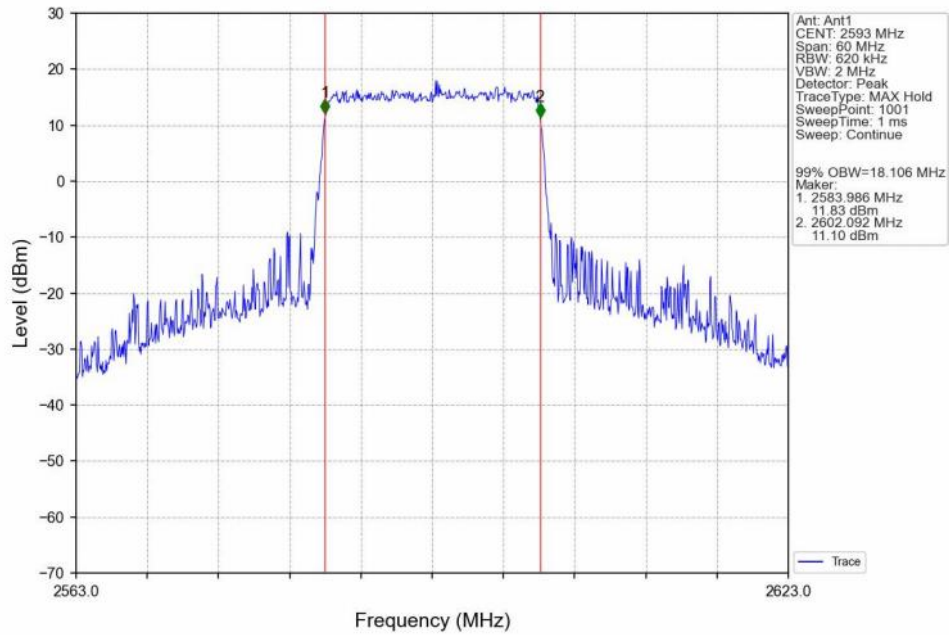
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



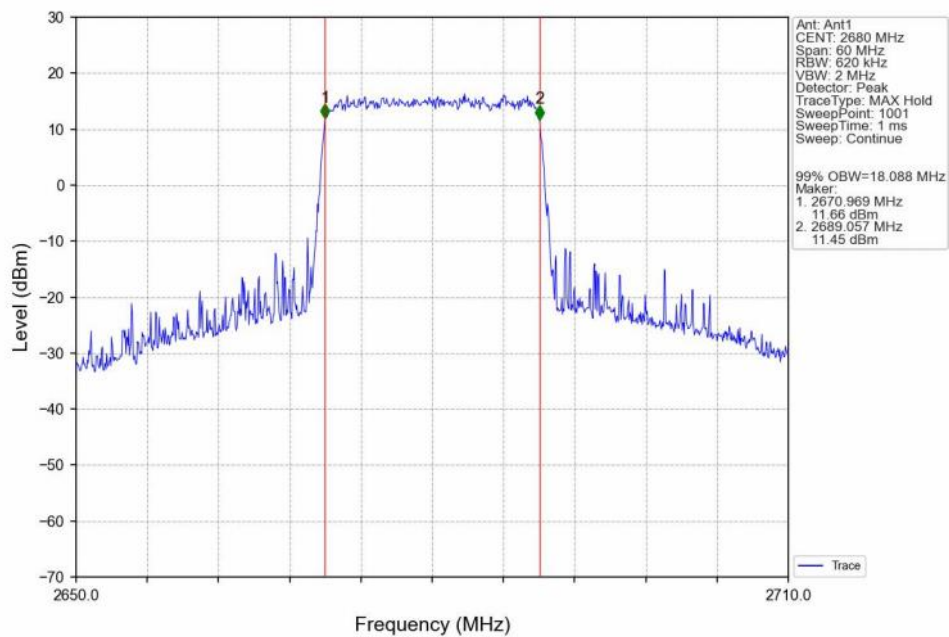
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



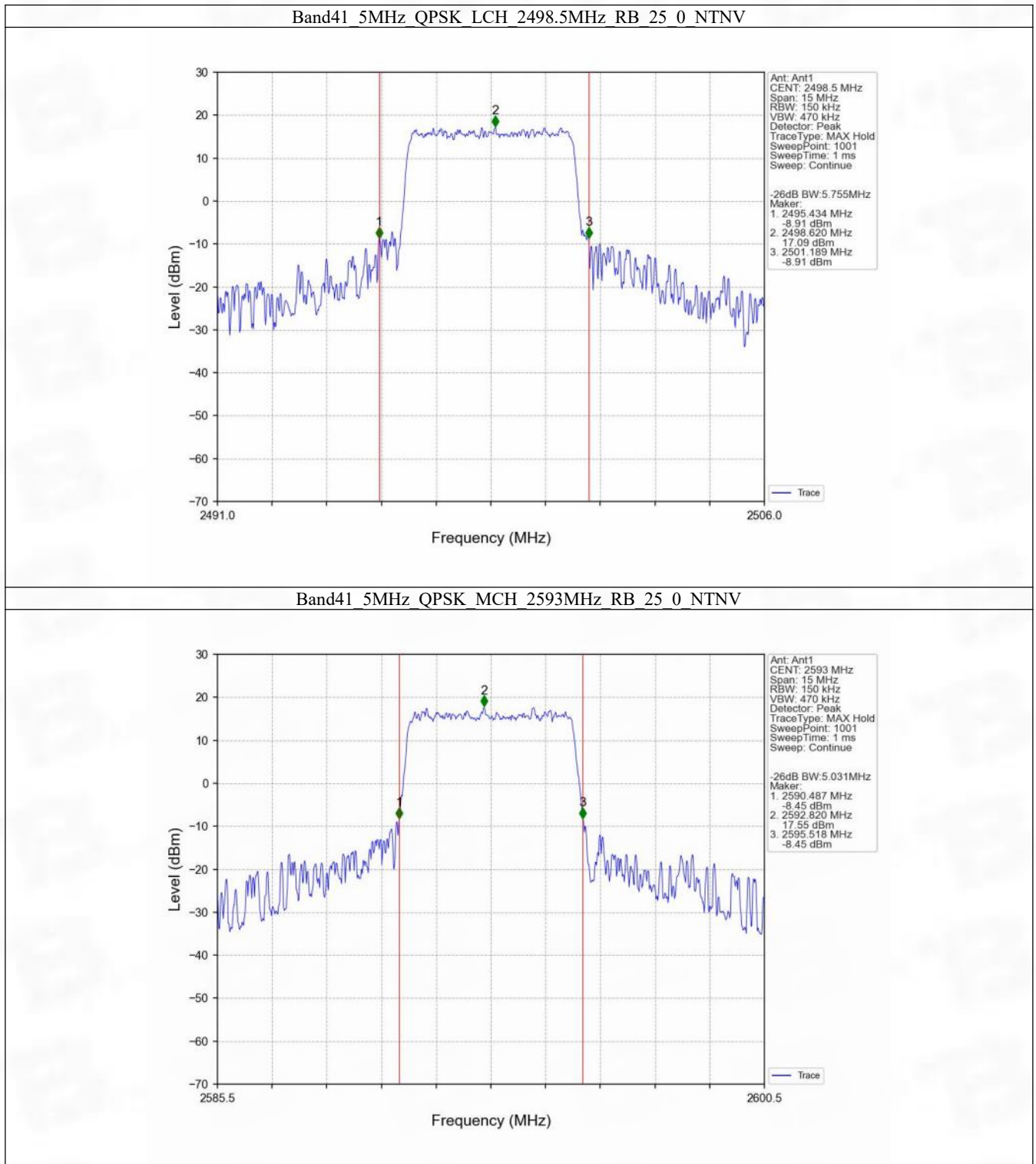
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



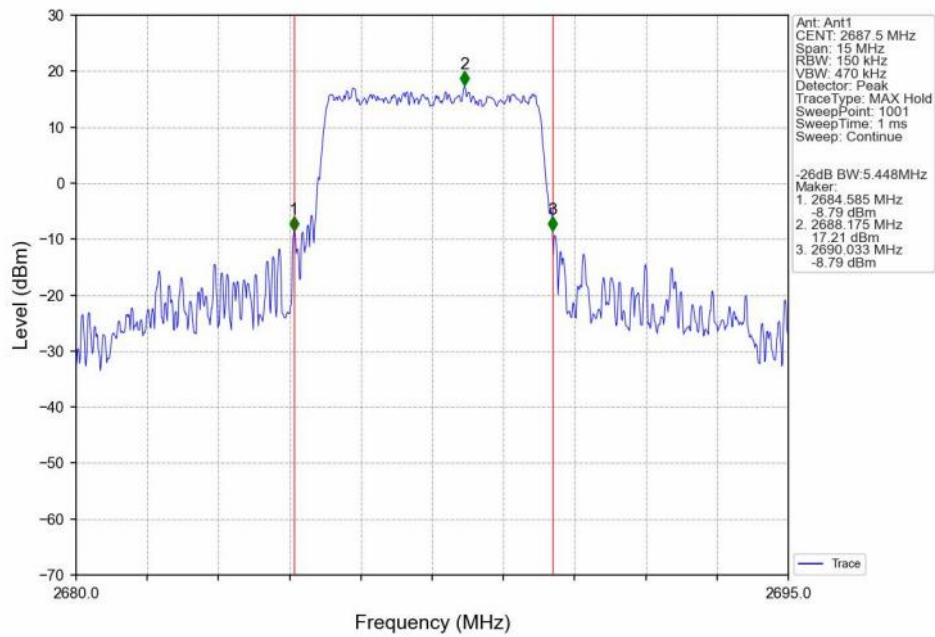
Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



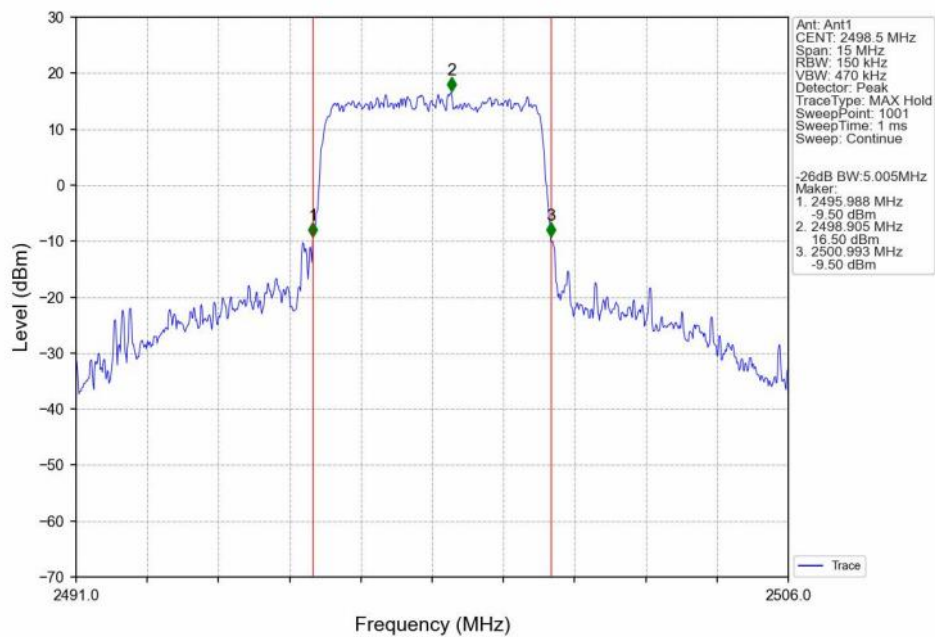
4.2.2 Band41_XDB



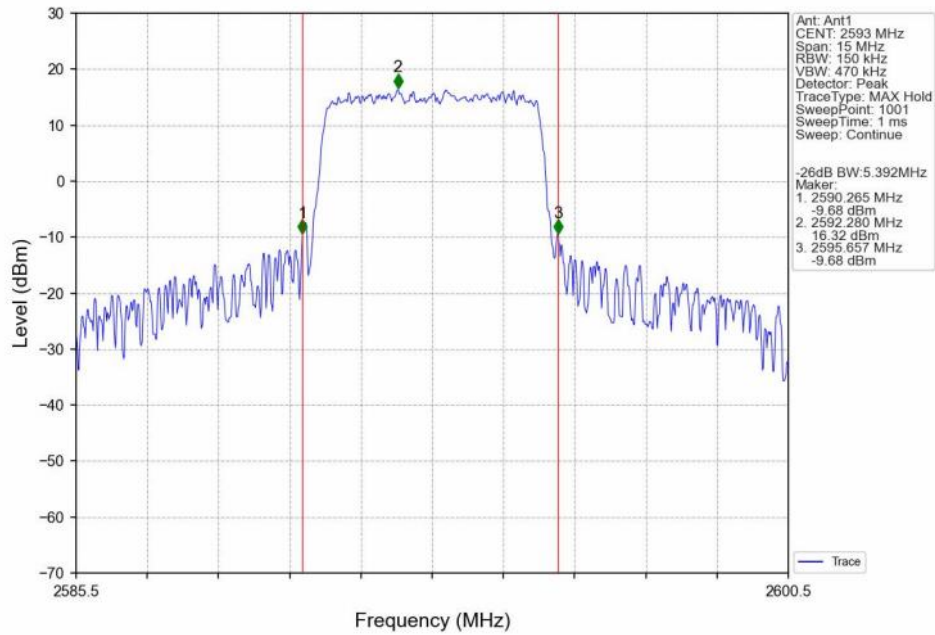
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



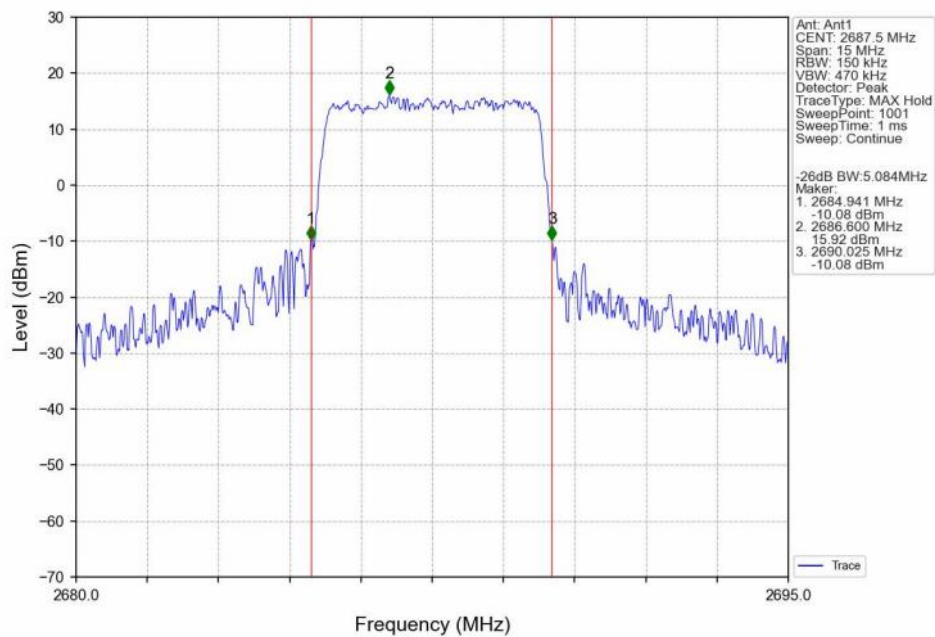
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



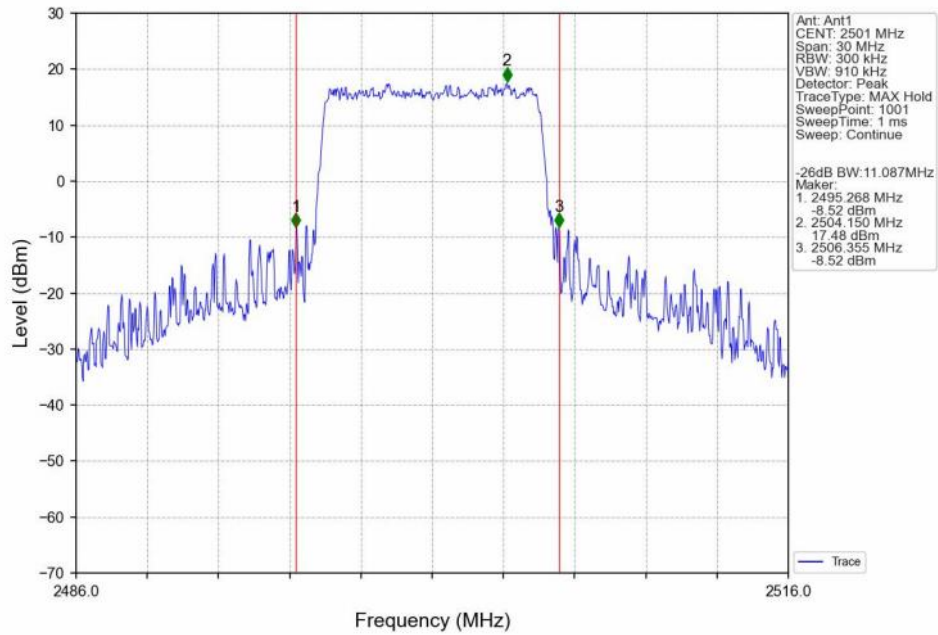
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



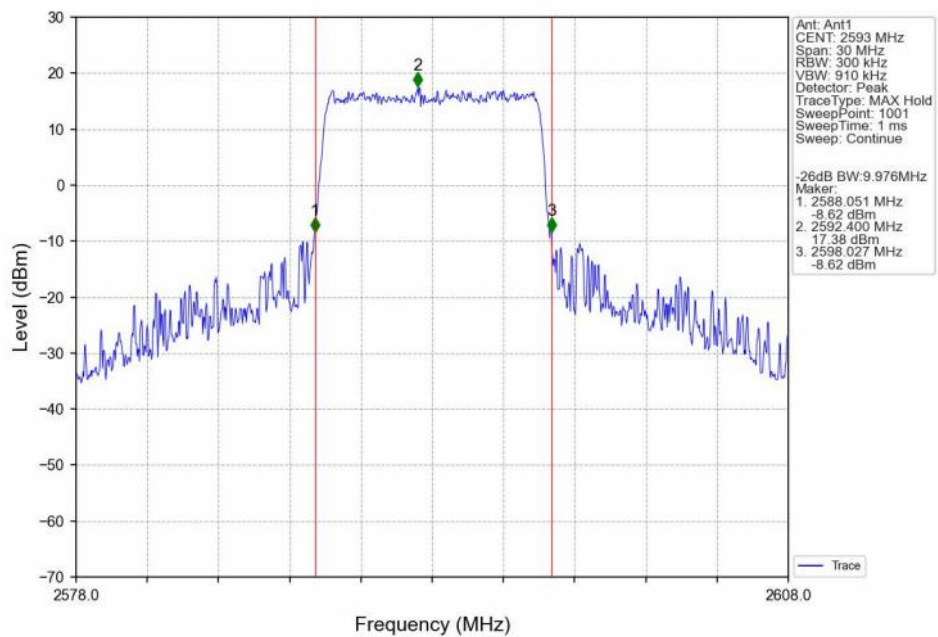
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



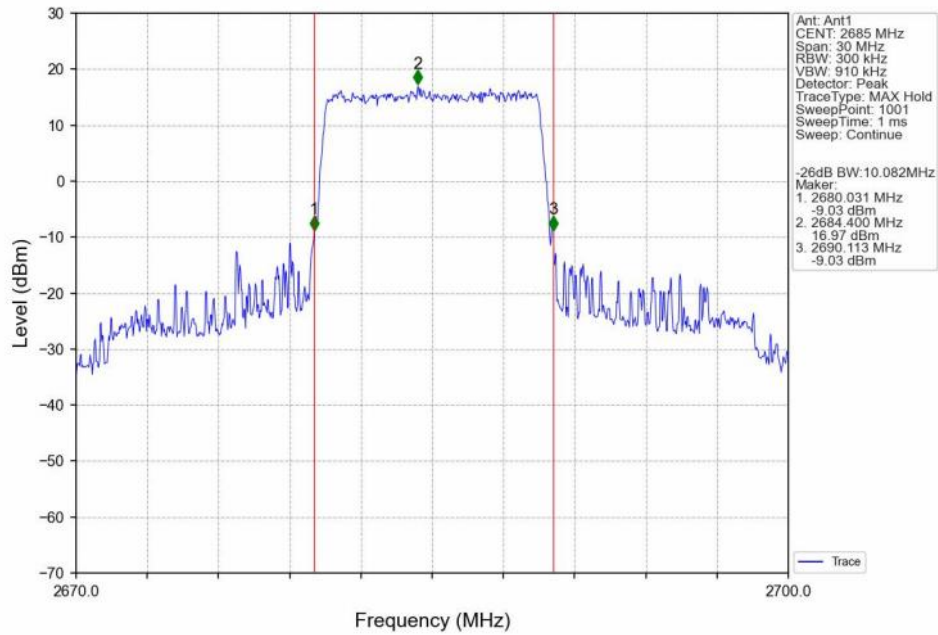
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



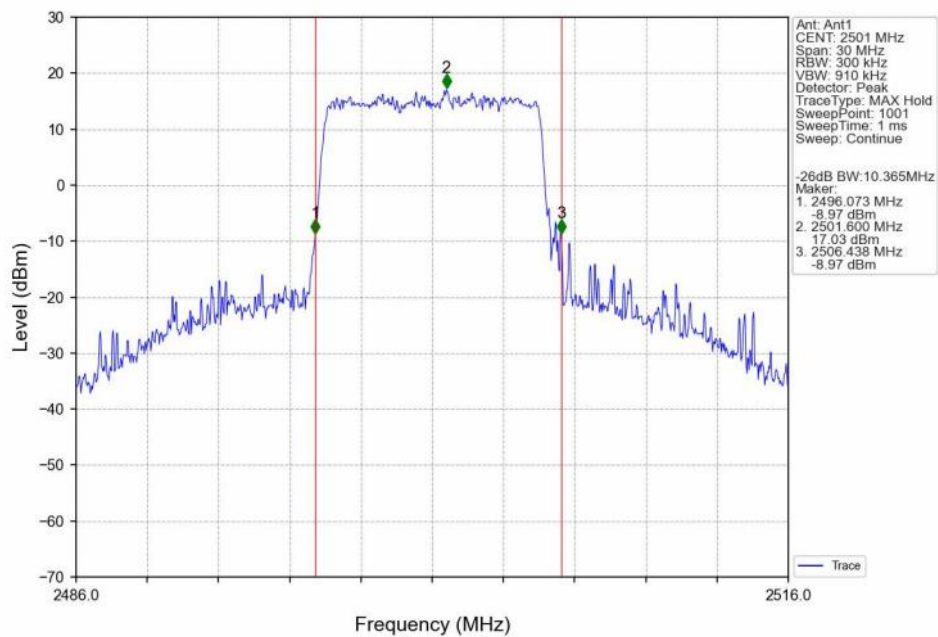
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



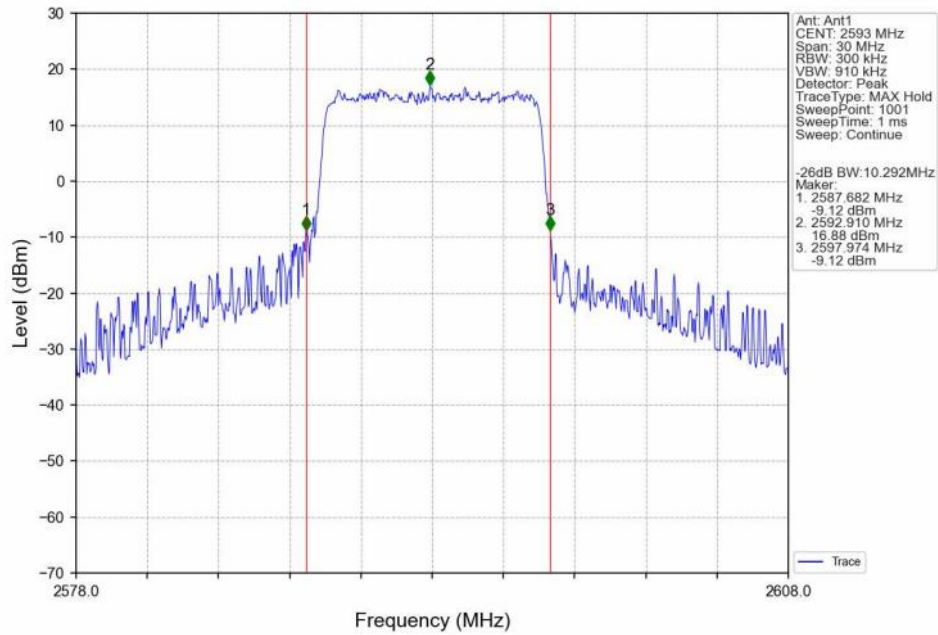
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



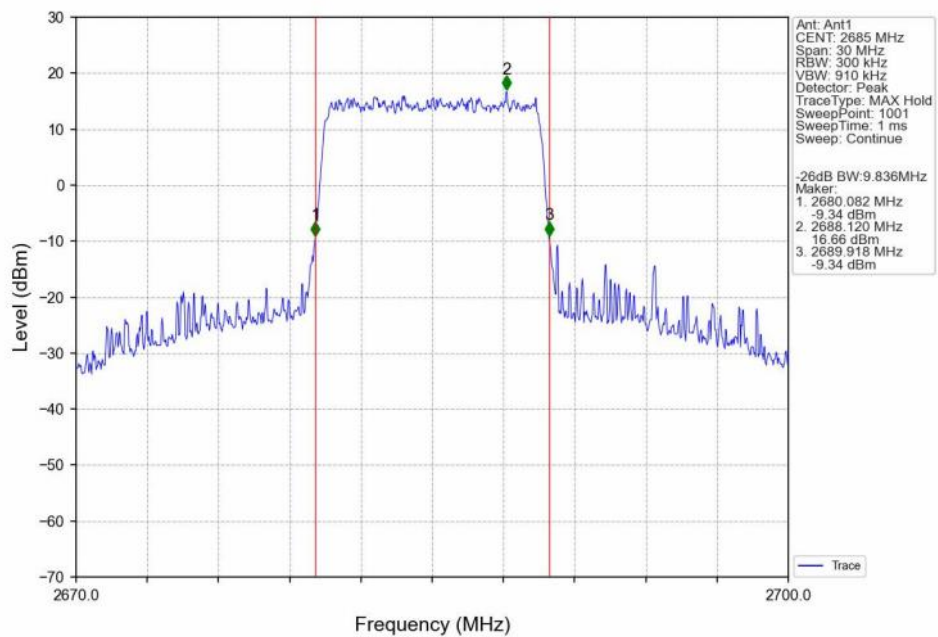
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



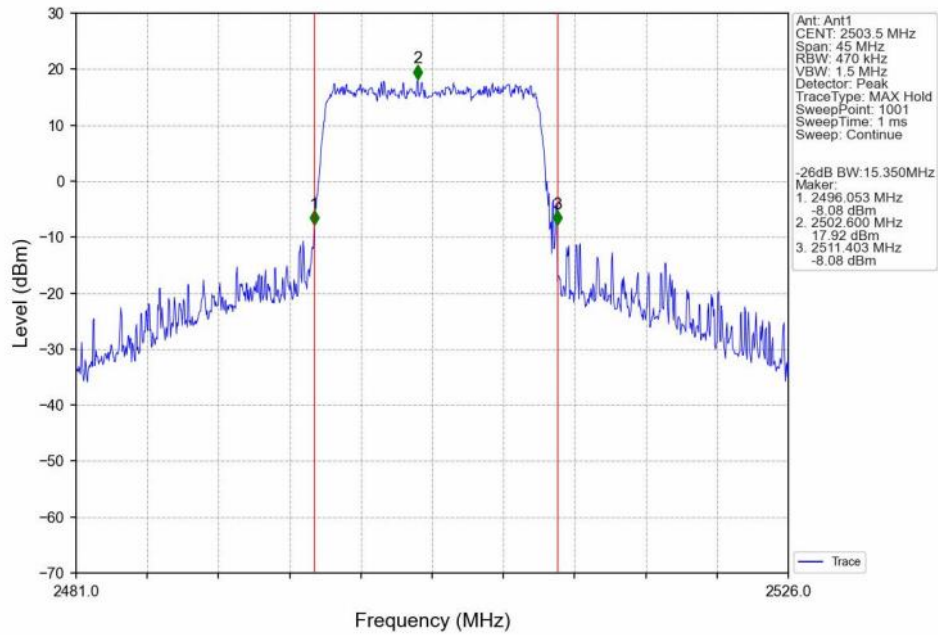
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



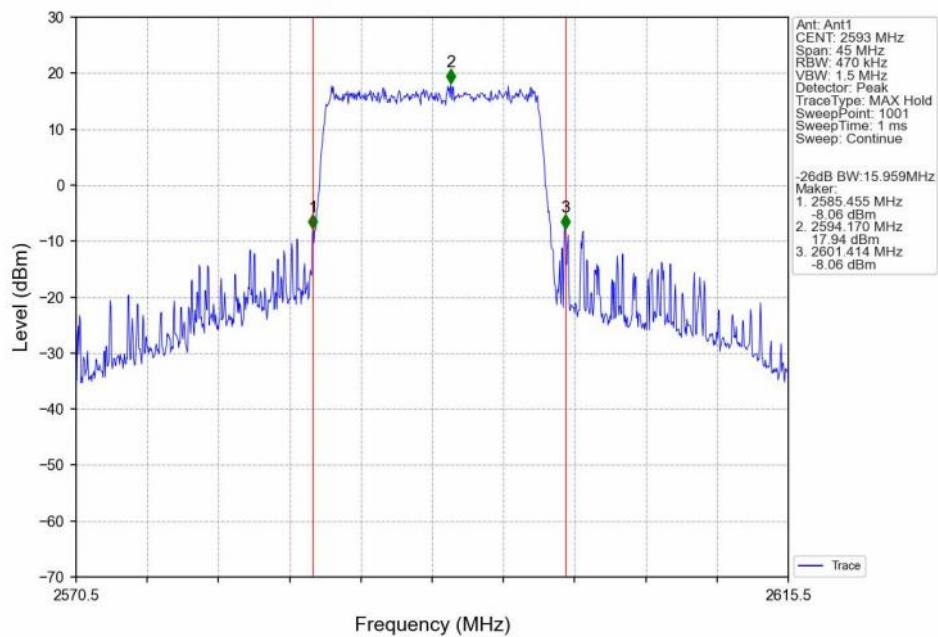
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



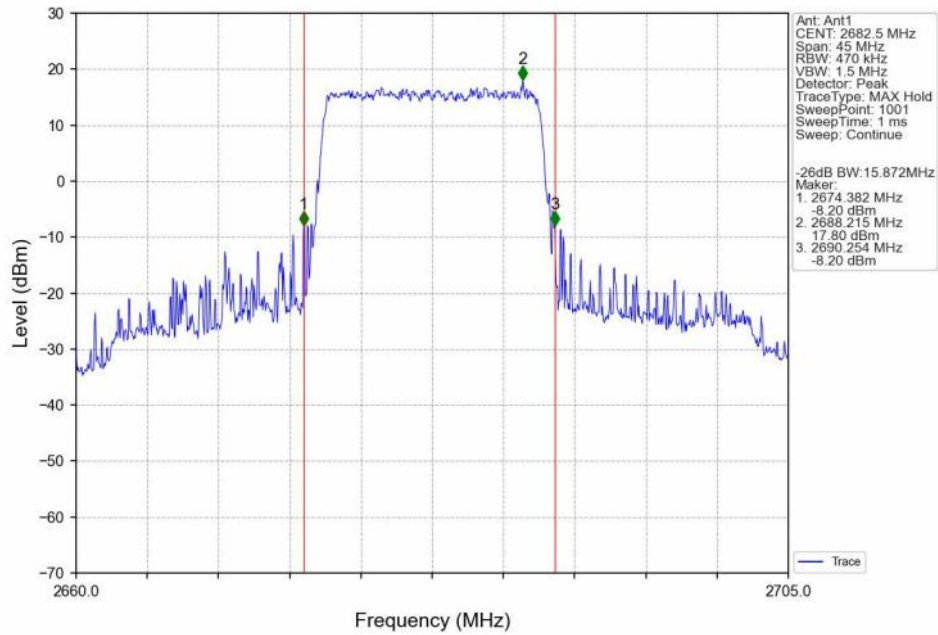
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



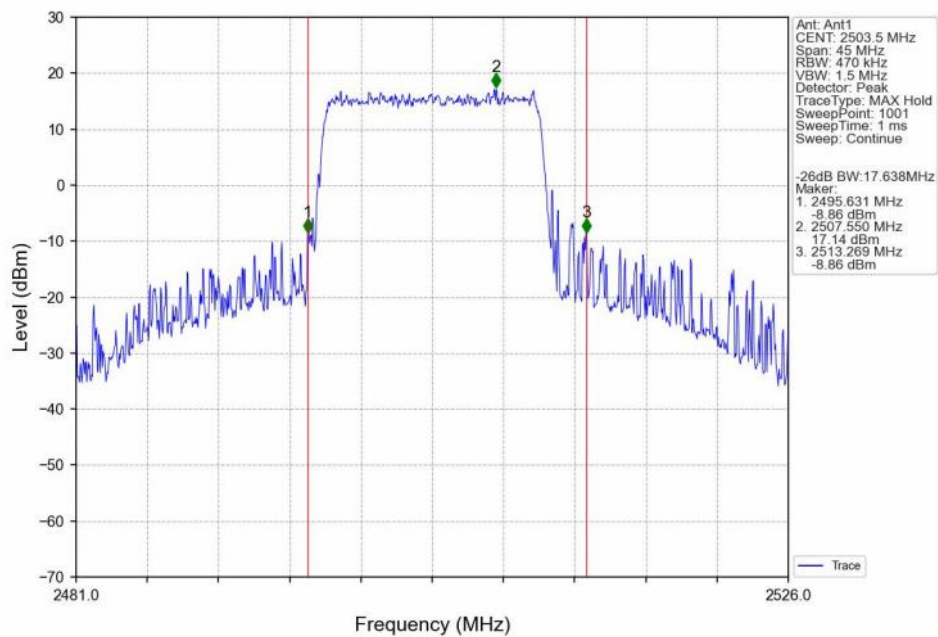
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



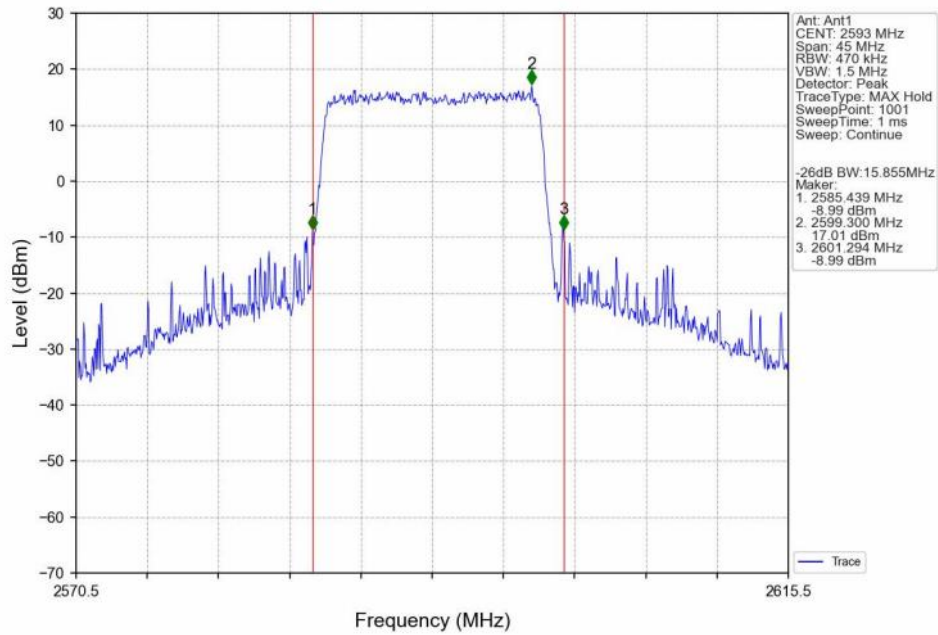
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



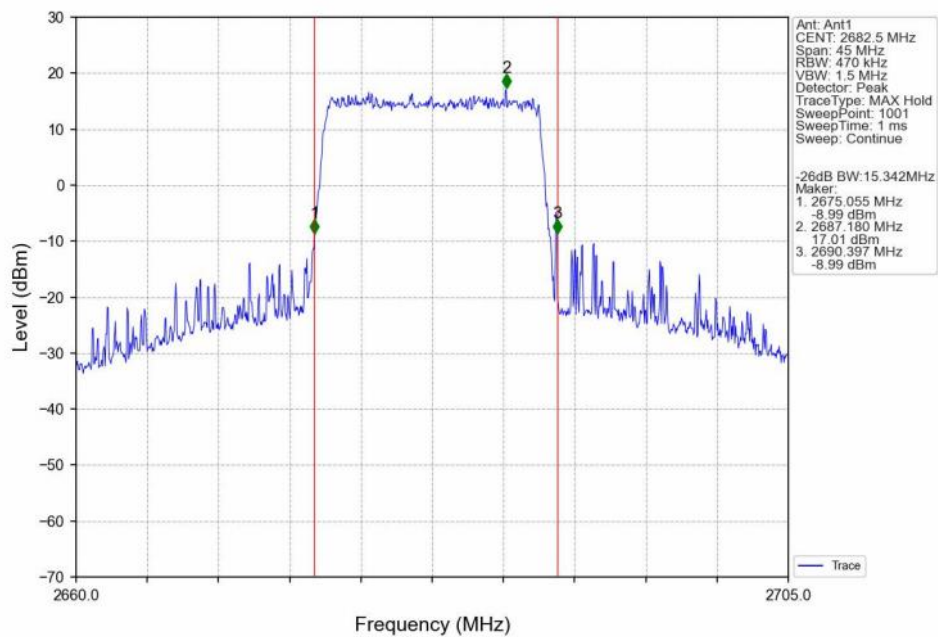
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV



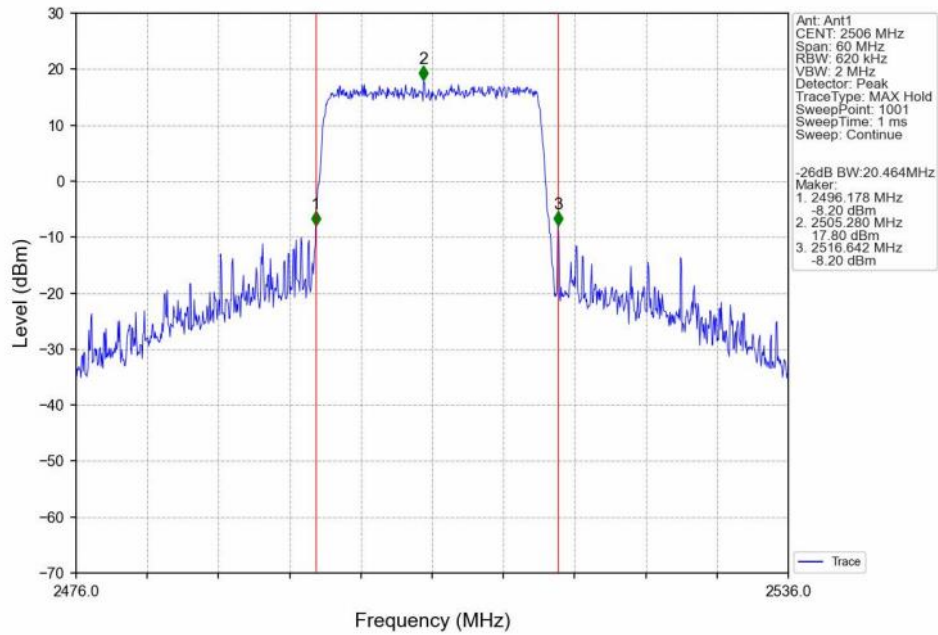
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



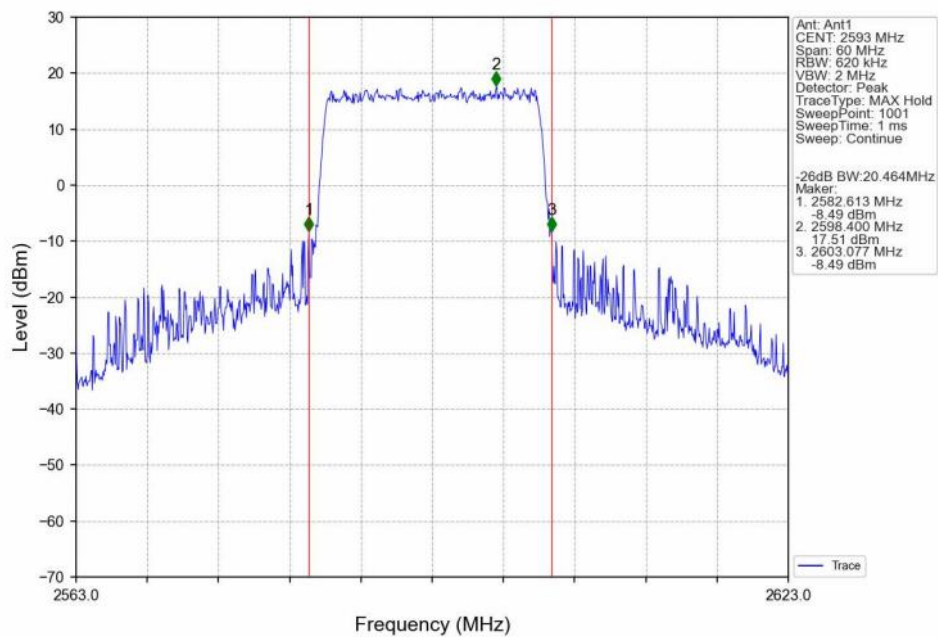
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



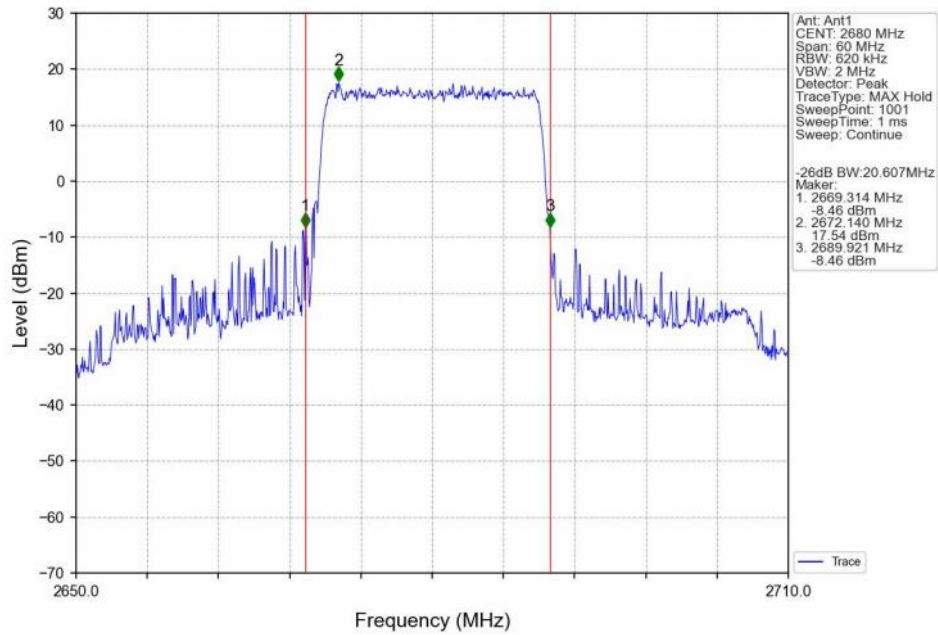
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



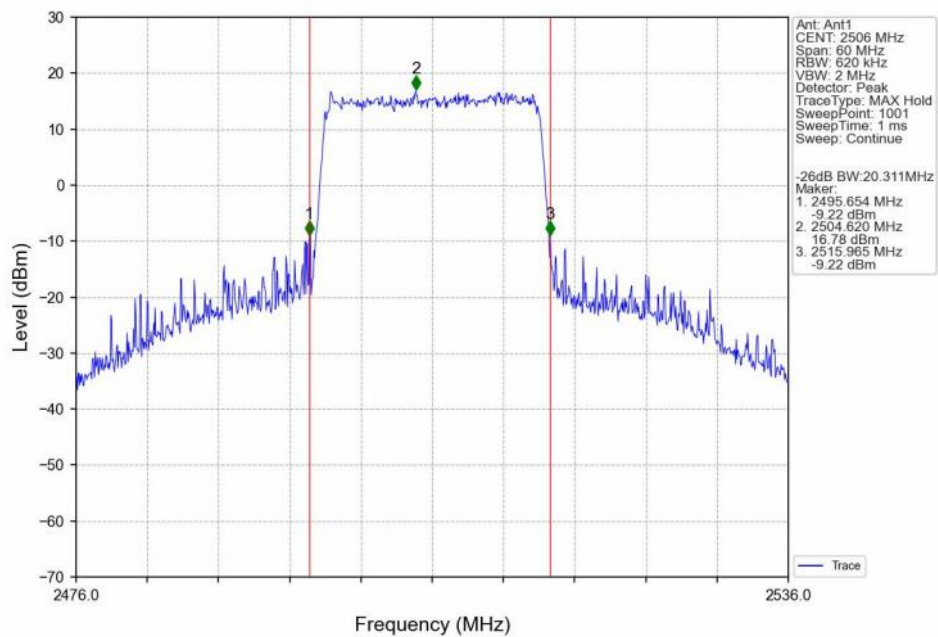
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



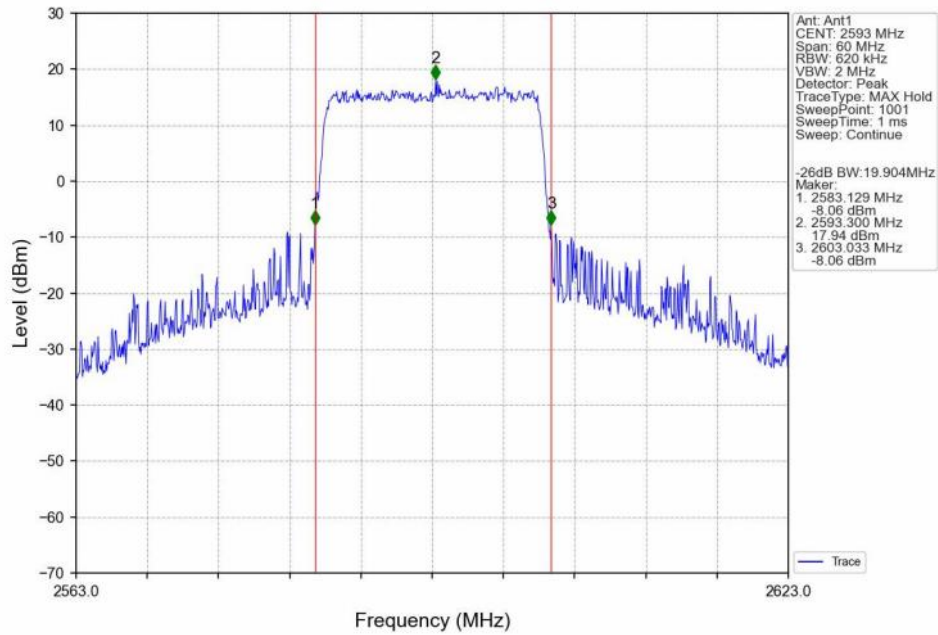
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



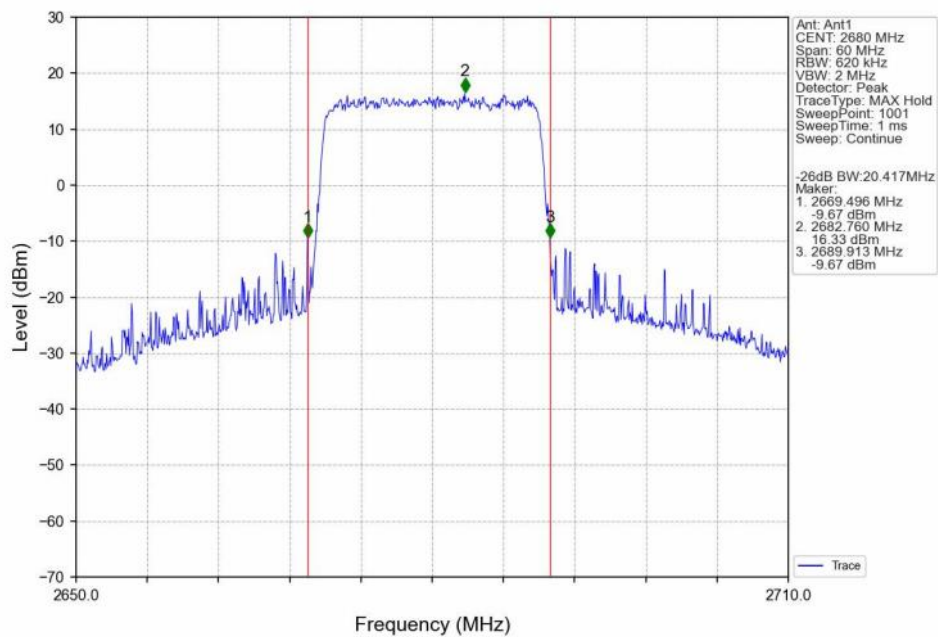
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 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	2498.5	25	0	7.72	≤ 13	Pass
	2593	25	0	7.83	≤ 13	Pass
	2687.5	25	0	7.61	≤ 13	Pass
16QAM	2498.5	25	0	8.61	≤ 13	Pass
	2593	25	0	8.51	≤ 13	Pass
	2687.5	25	0	8.54	≤ 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	2501	50	0	7.79	≤ 13	Pass
	2593	50	0	7.95	≤ 13	Pass
	2685	50	0	7.97	≤ 13	Pass
16QAM	2501	50	0	8.59	≤ 13	Pass
	2593	50	0	8.69	≤ 13	Pass
	2685	50	0	8.47	≤ 13	Pass

5.1.3 B41_15MHz

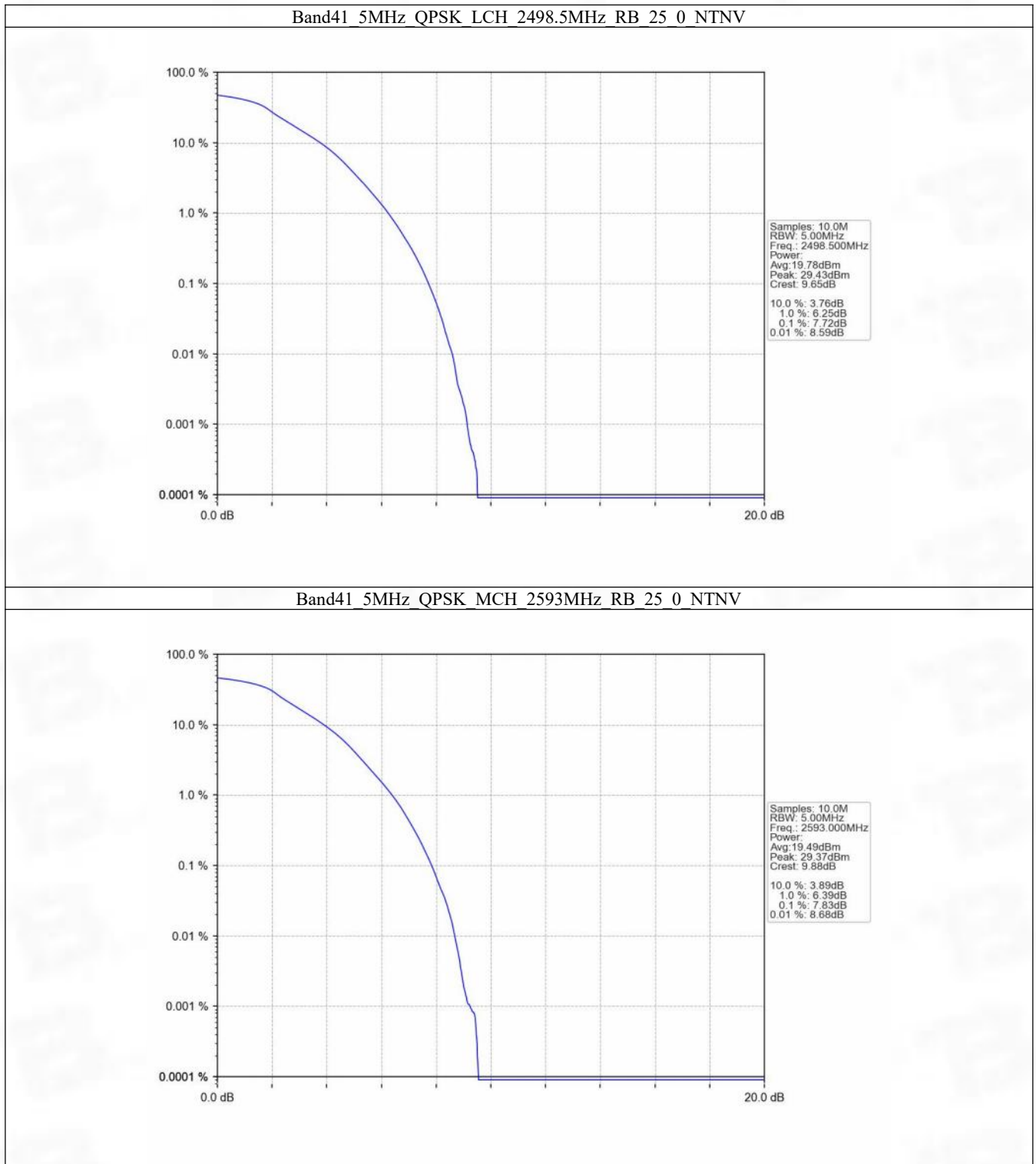
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	8.34	≤ 13	Pass
	2593	75	0	8.11	≤ 13	Pass
	2682.5	75	0	8.17	≤ 13	Pass
16QAM	2503.5	75	0	8.94	≤ 13	Pass
	2593	75	0	8.78	≤ 13	Pass
	2682.5	75	0	8.79	≤ 13	Pass

5.1.4 B41_20MHz

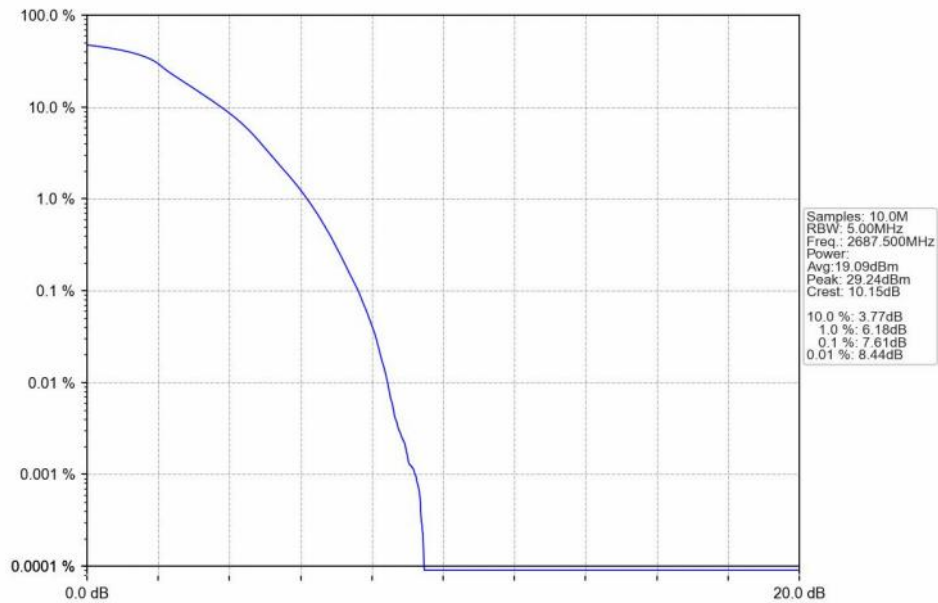
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.93	≤ 13	Pass
	2593	100	0	7.82	≤ 13	Pass
	2680	100	0	7.50	≤ 13	Pass
16QAM	2506	100	0	8.65	≤ 13	Pass
	2593	100	0	8.49	≤ 13	Pass
	2680	100	0	8.56	≤ 13	Pass

5.2 Test Graph

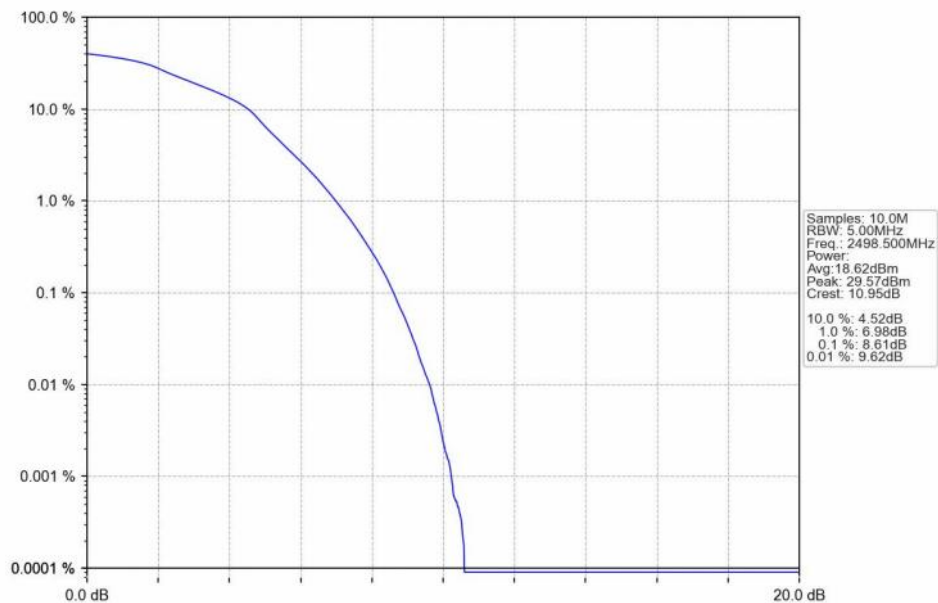
5.2.1 B41_5MHz



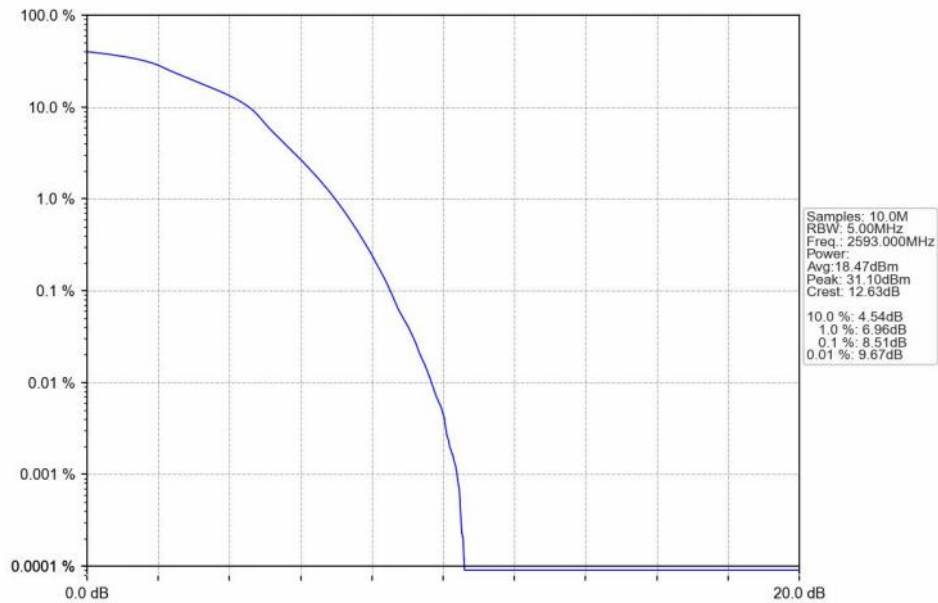
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



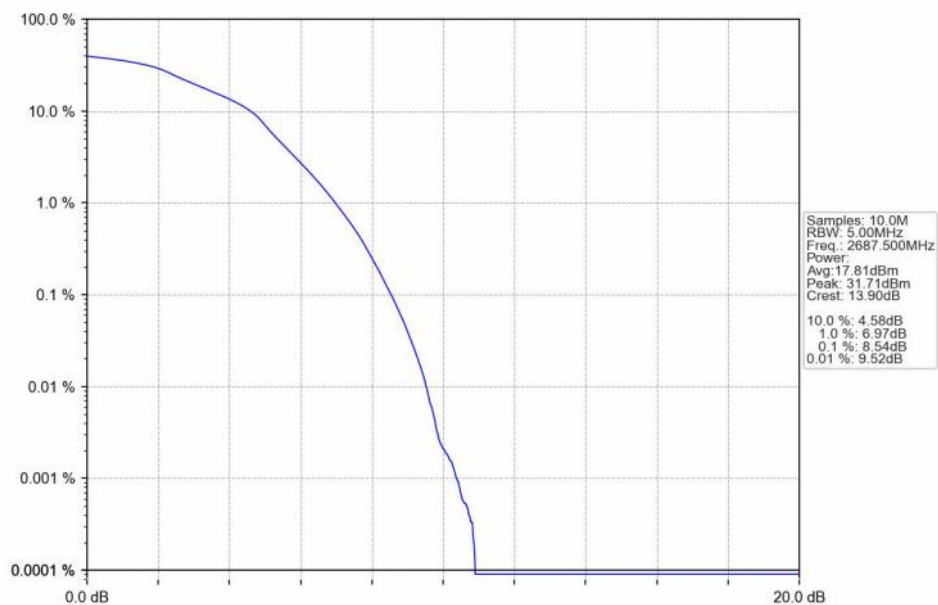
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



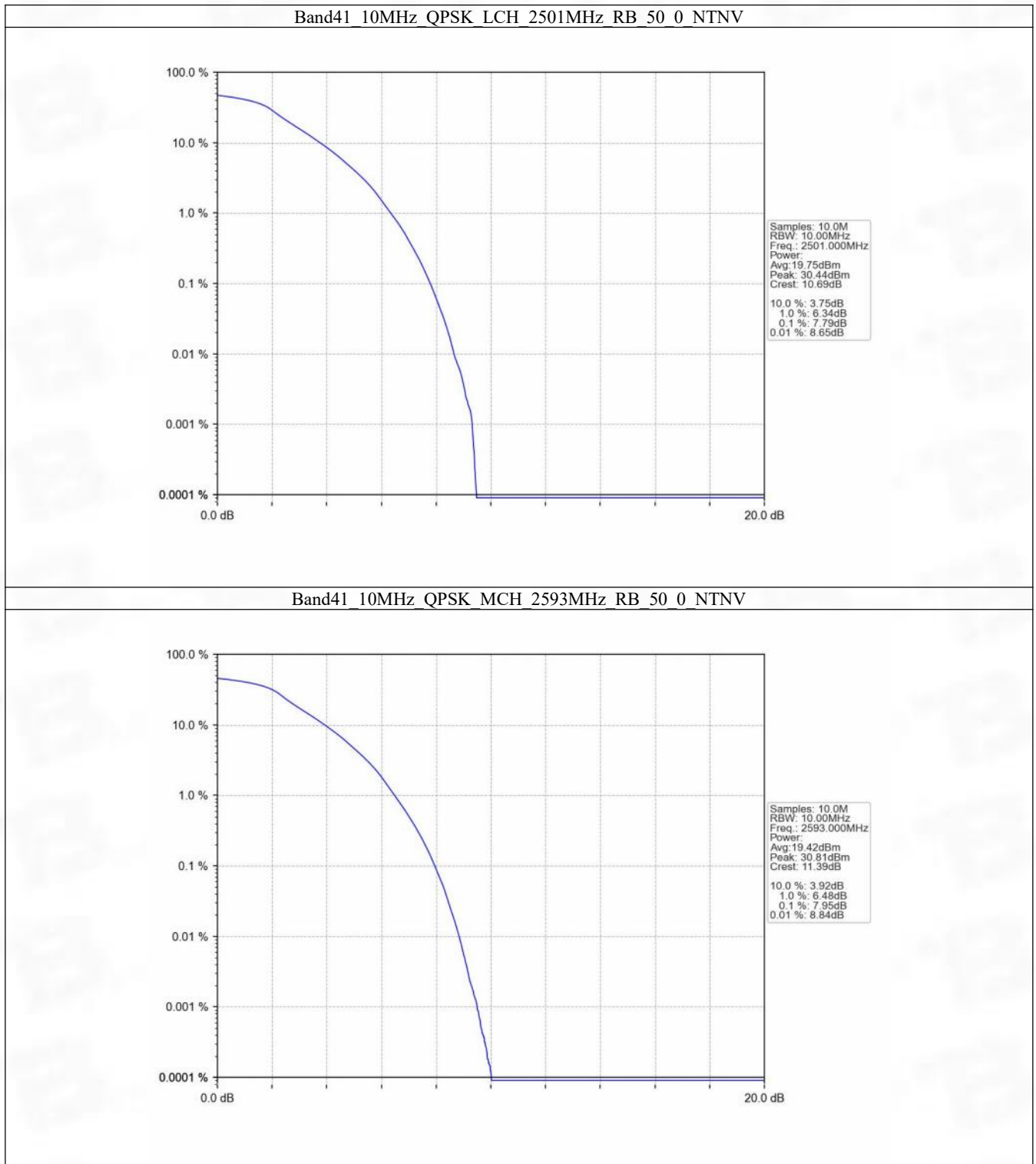
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



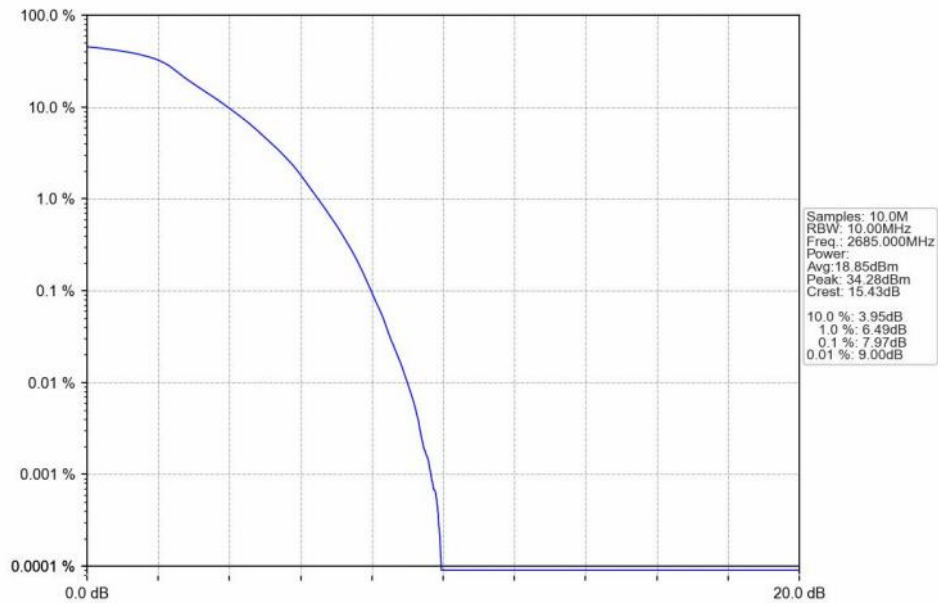
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



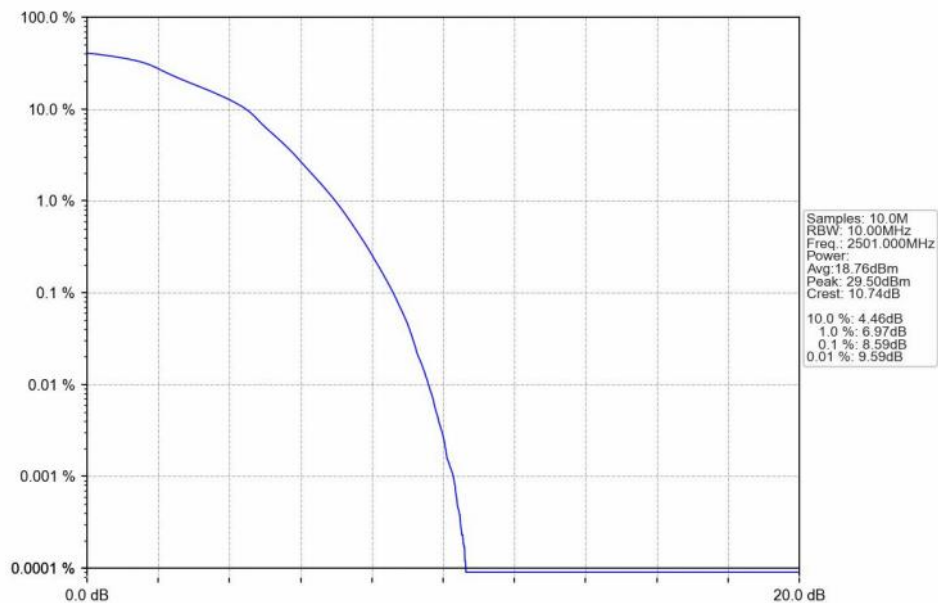
5.2.2 B41_10MHz



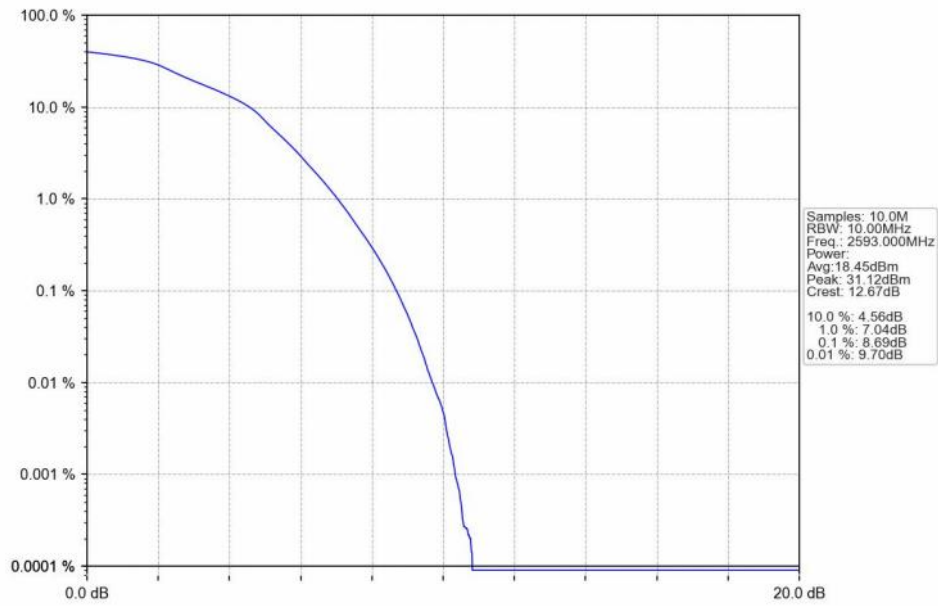
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV



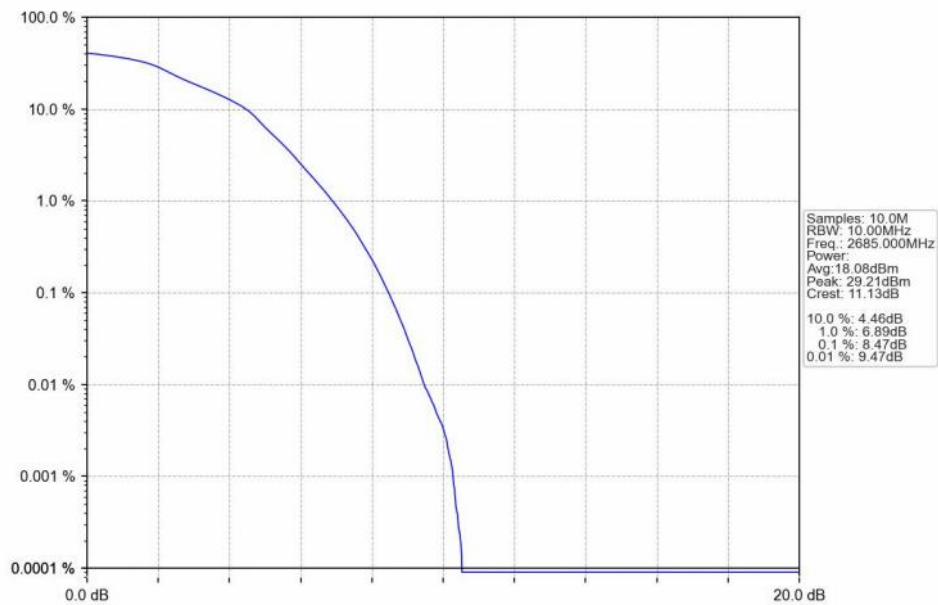
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTV



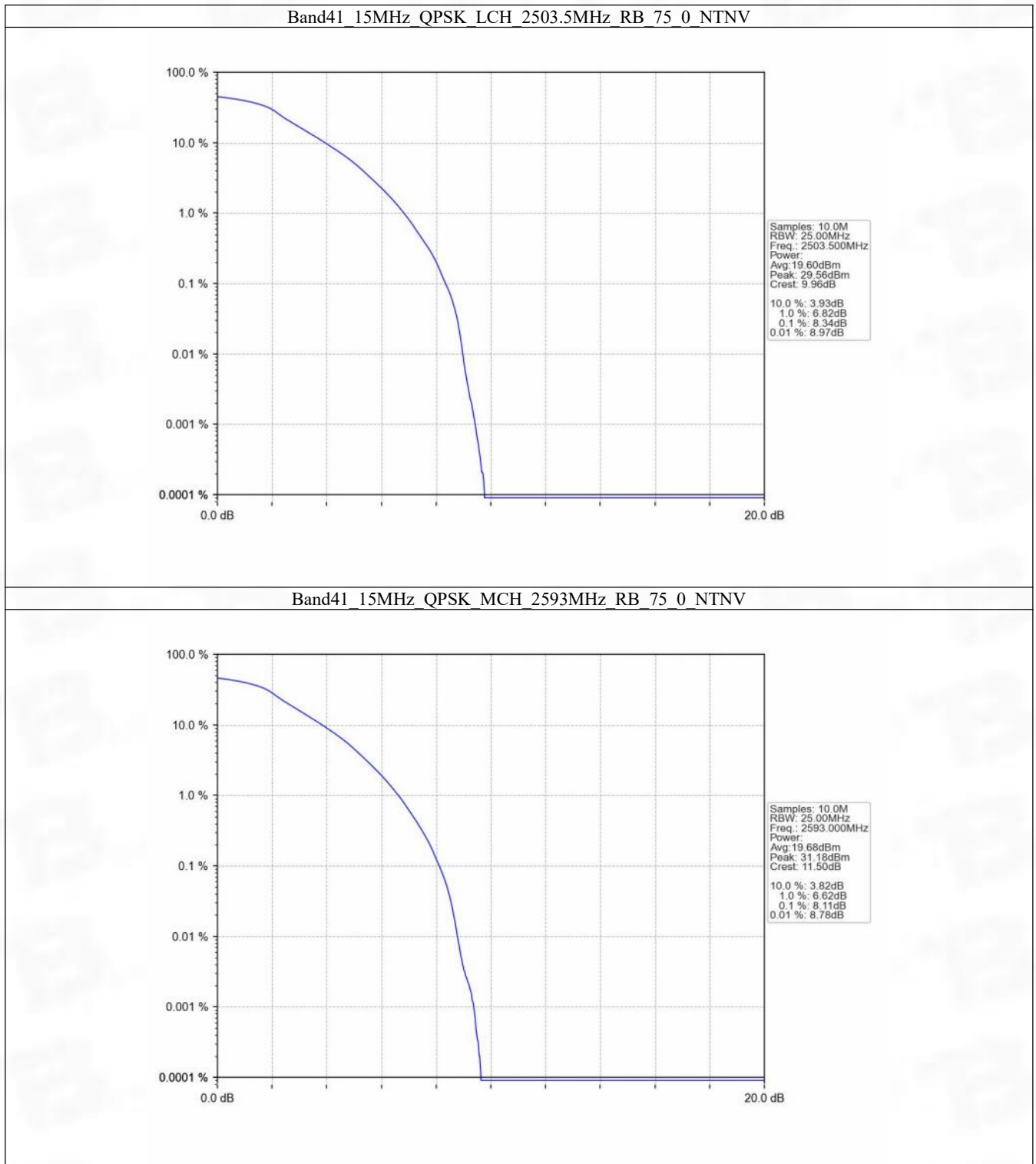
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



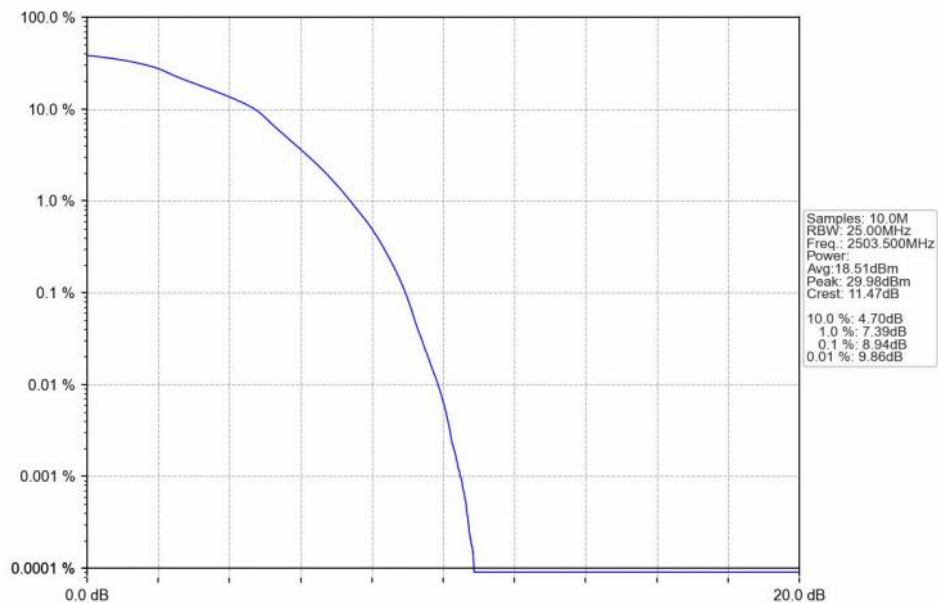
5.2.3 B41_15MHz



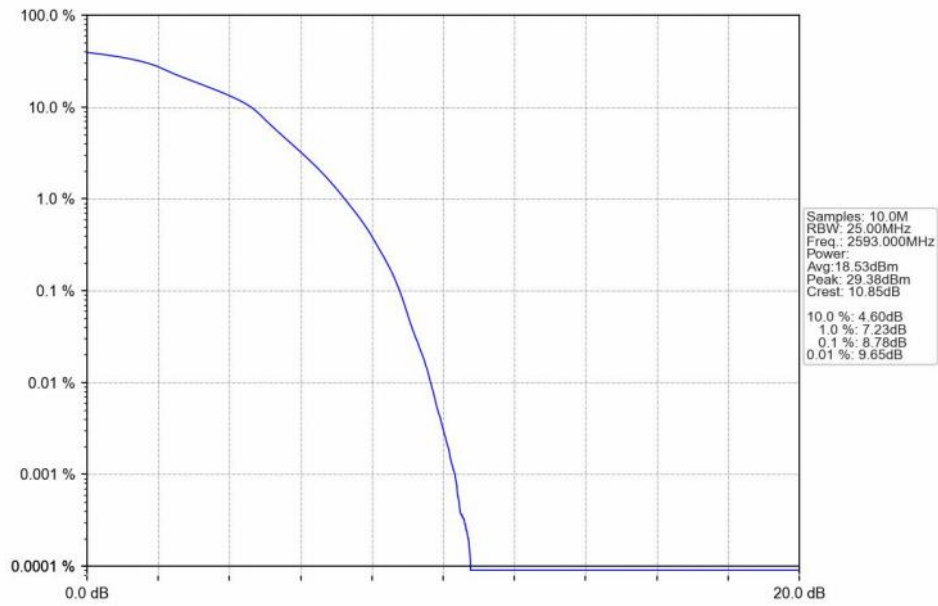
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



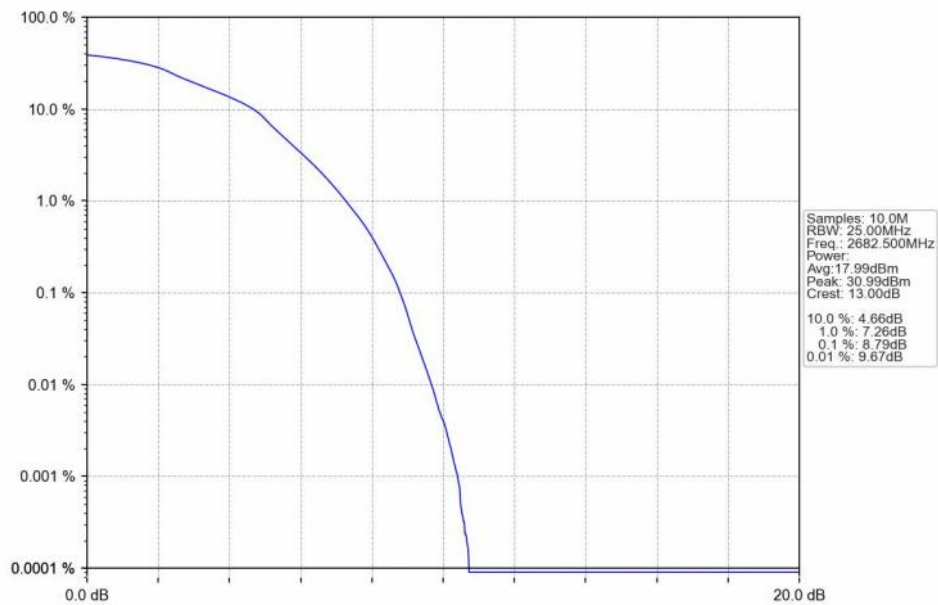
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV



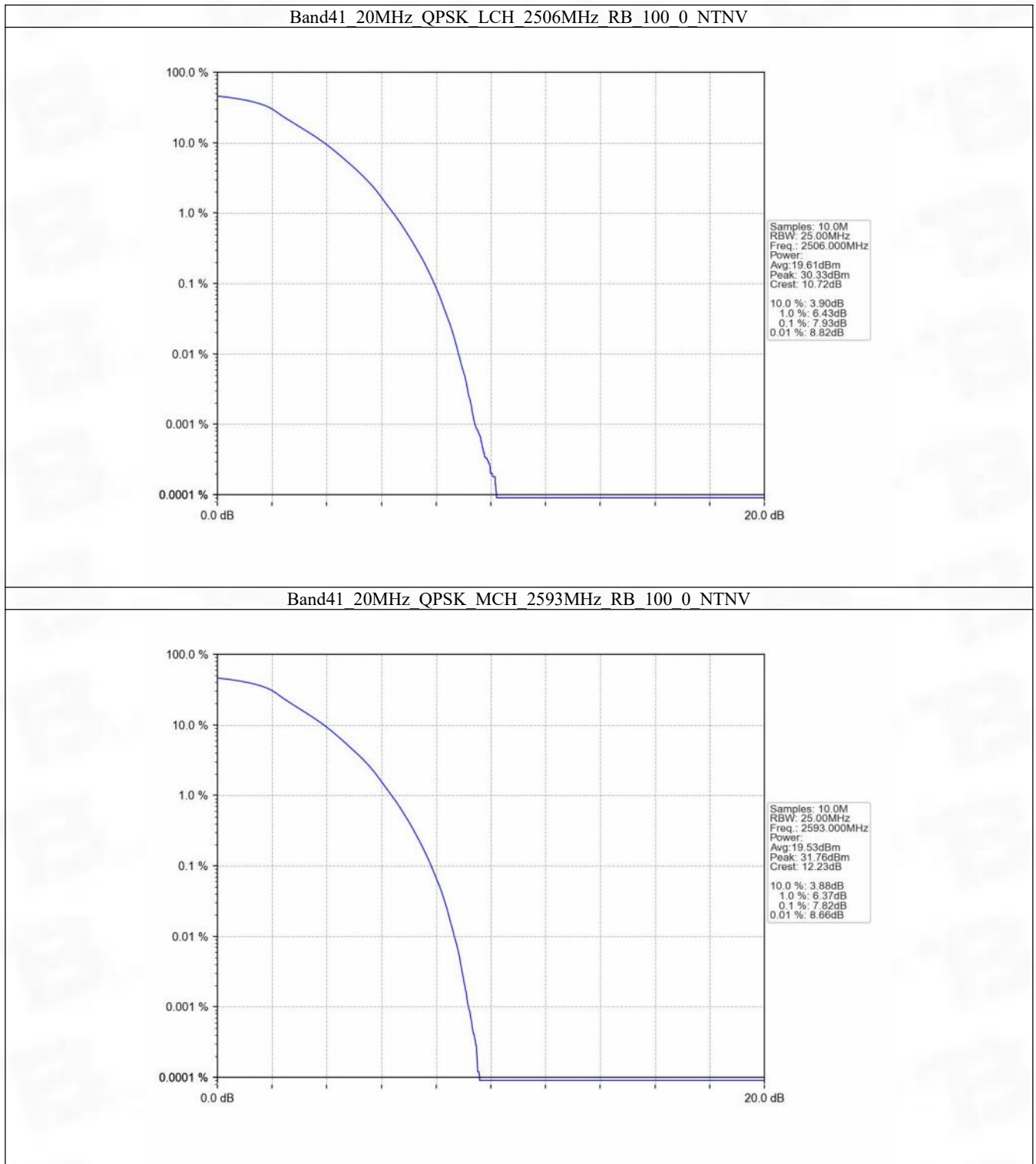
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



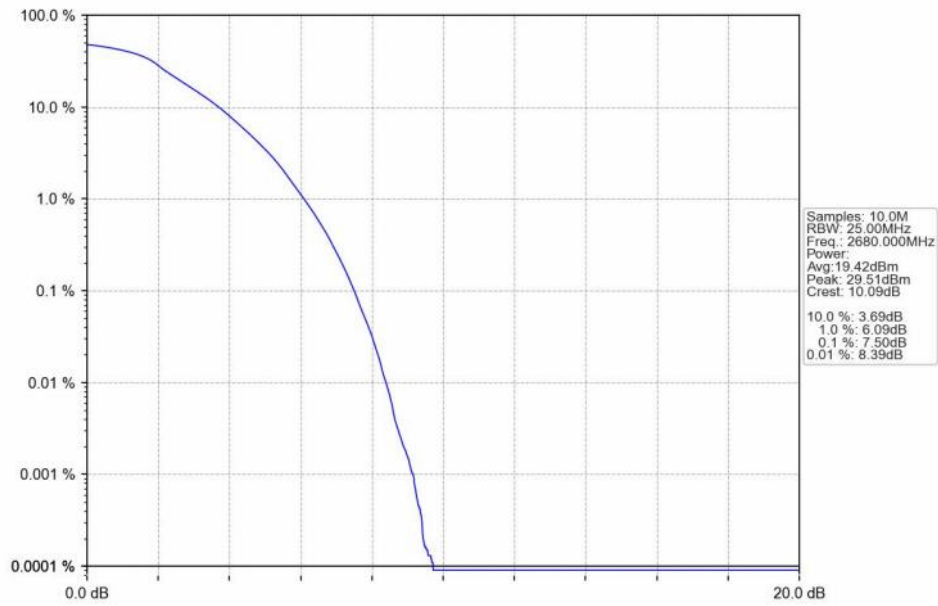
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



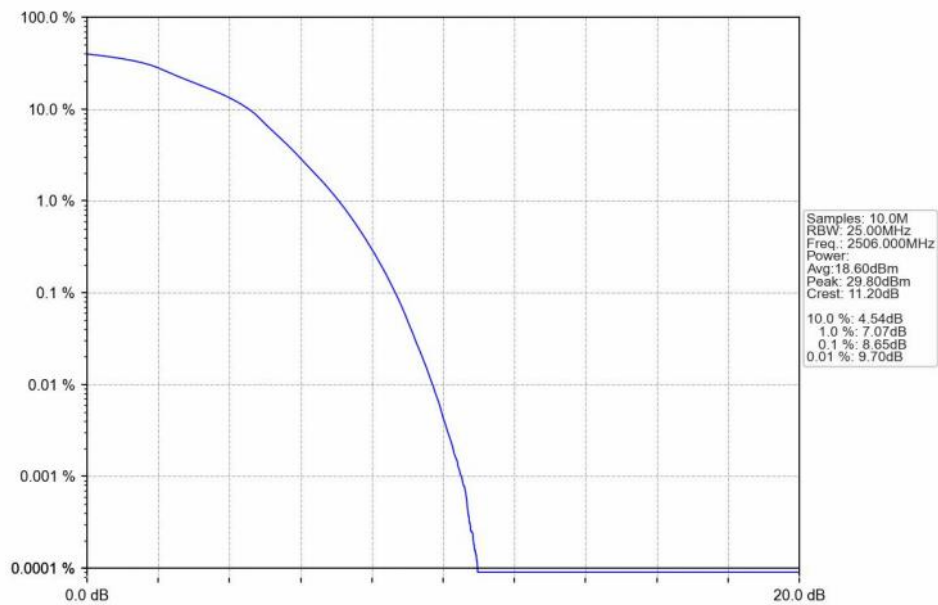
5.2.4 B41_20MHz



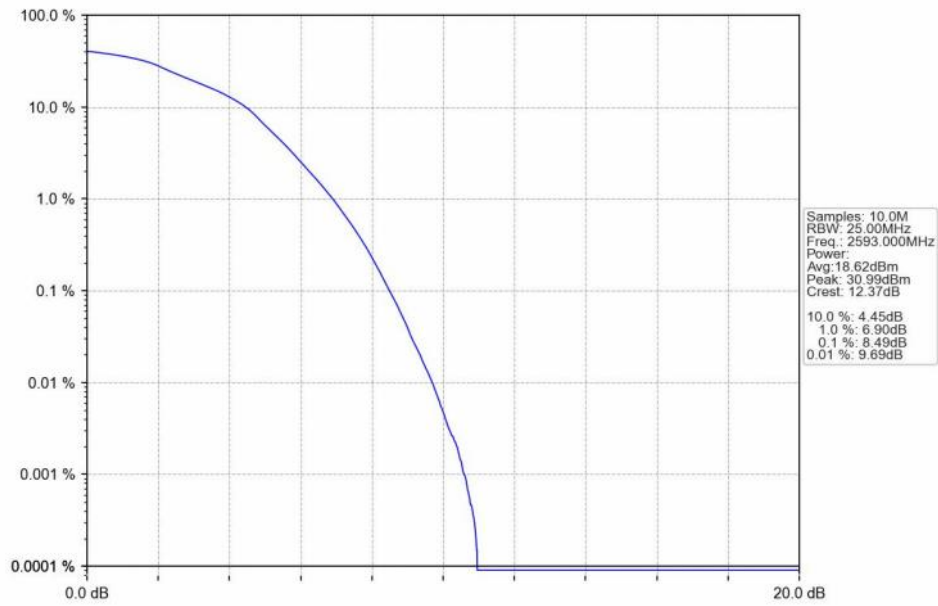
Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTV



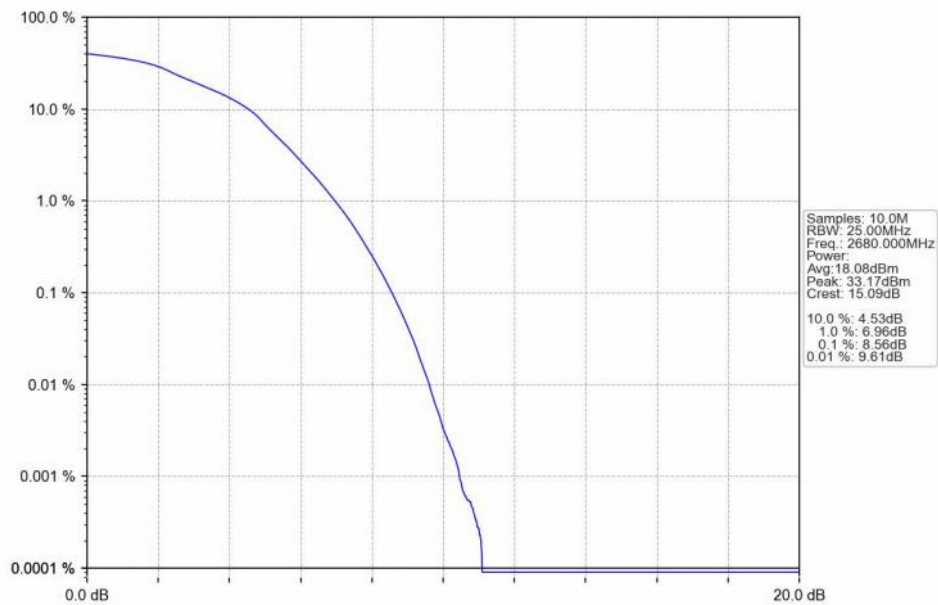
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 16QAM HCH 2680MHz RB 100 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

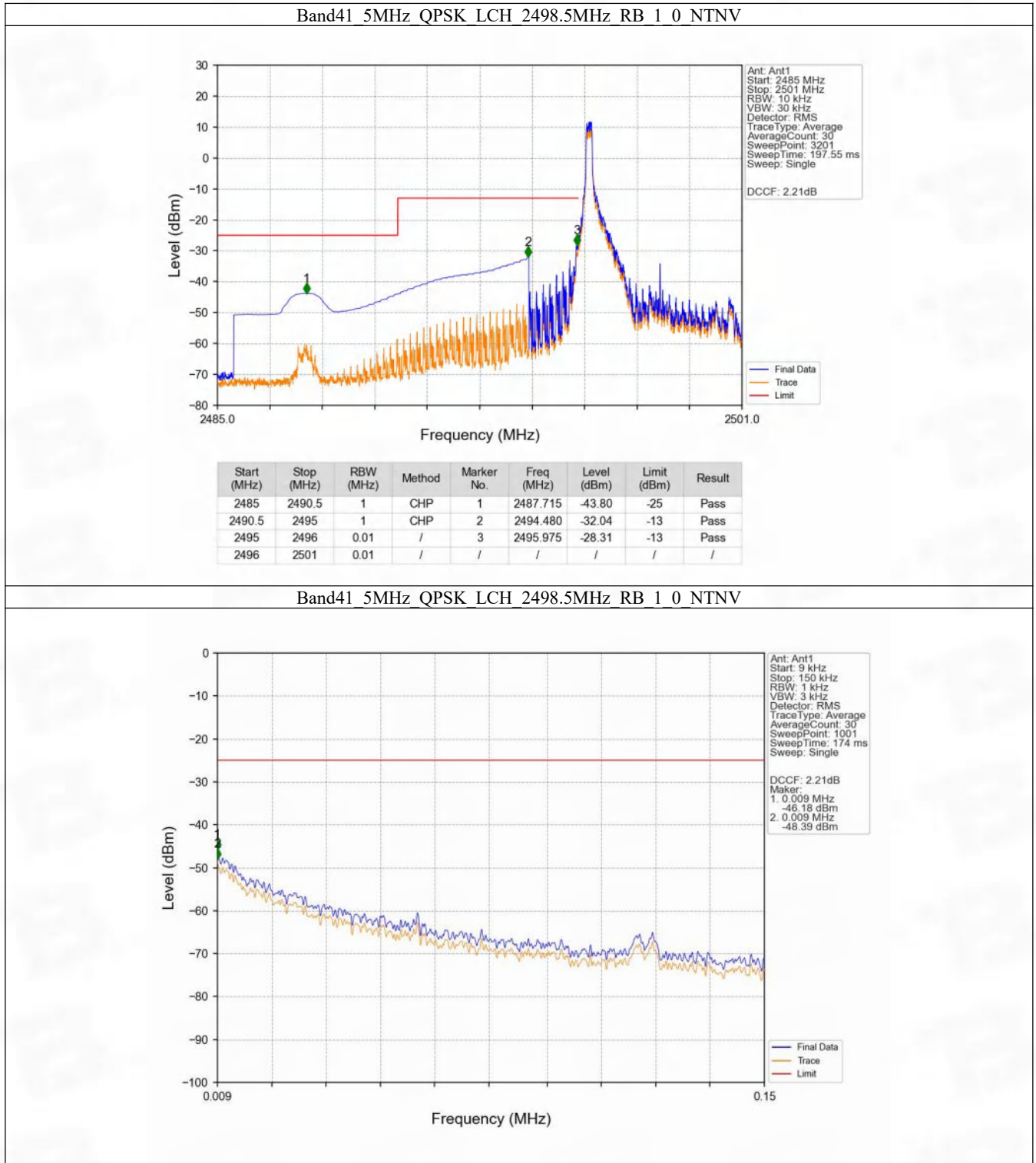
		75	0	Refer To Test Graph	Pass
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6.1.4 B41_20MHz

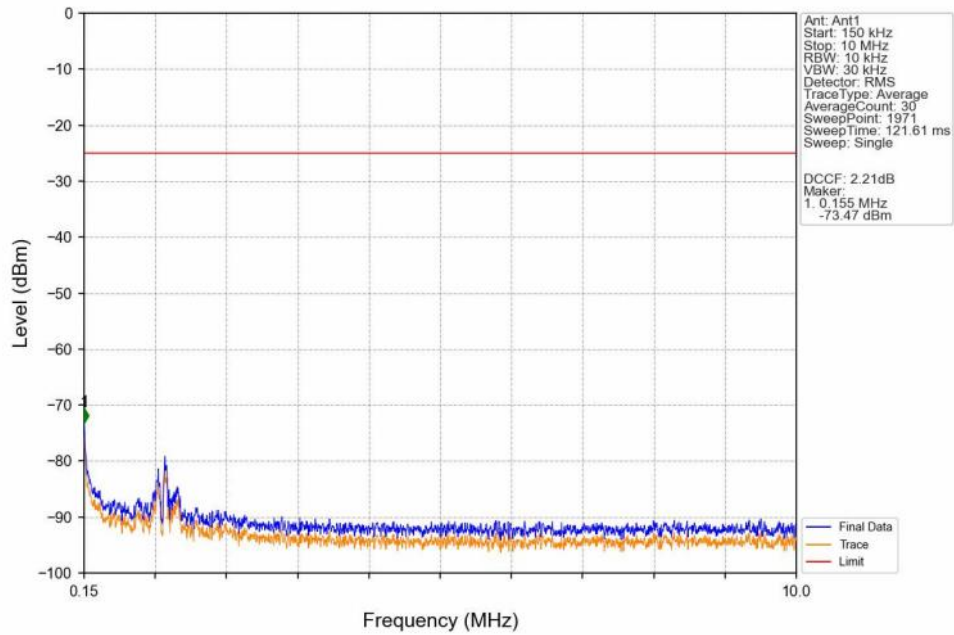
Band: 41 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2506	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2680	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	2506	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2680	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

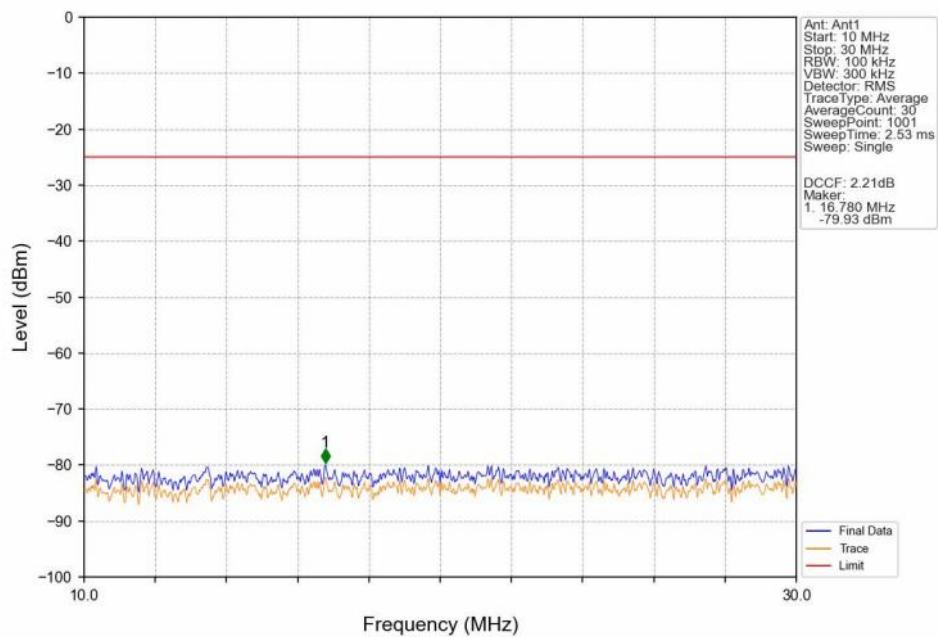
6.2.1 B41_5MHz



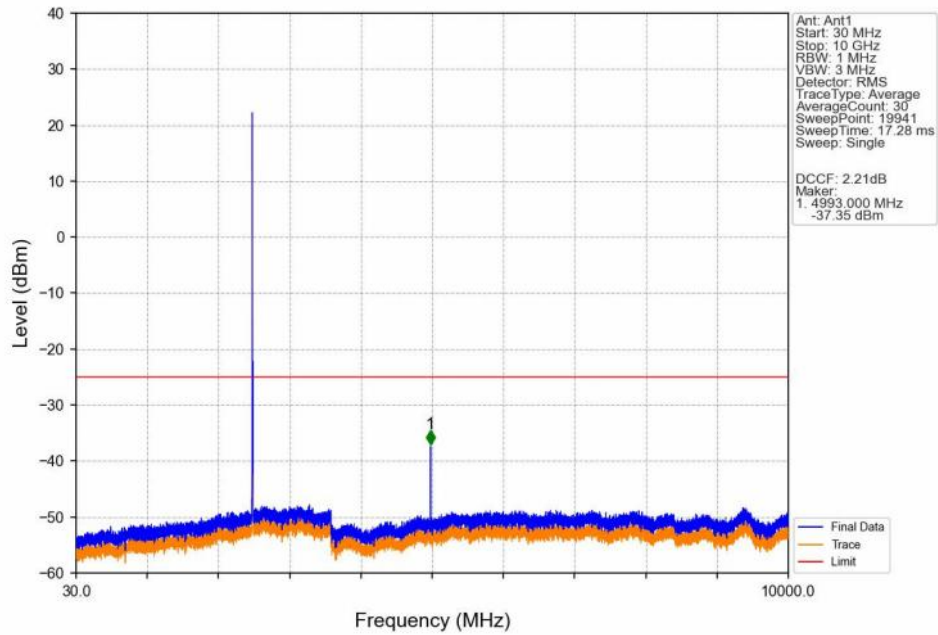
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



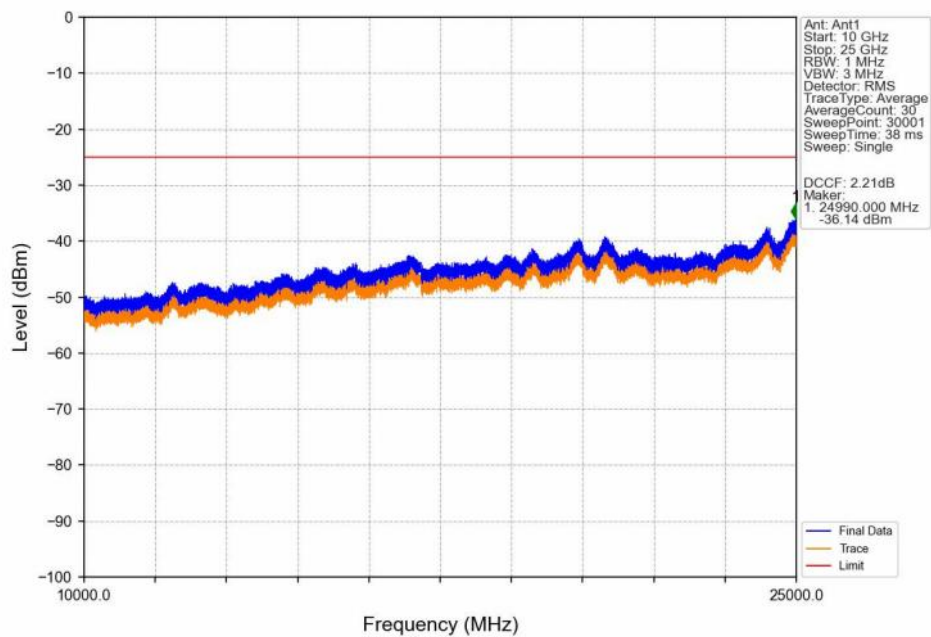
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



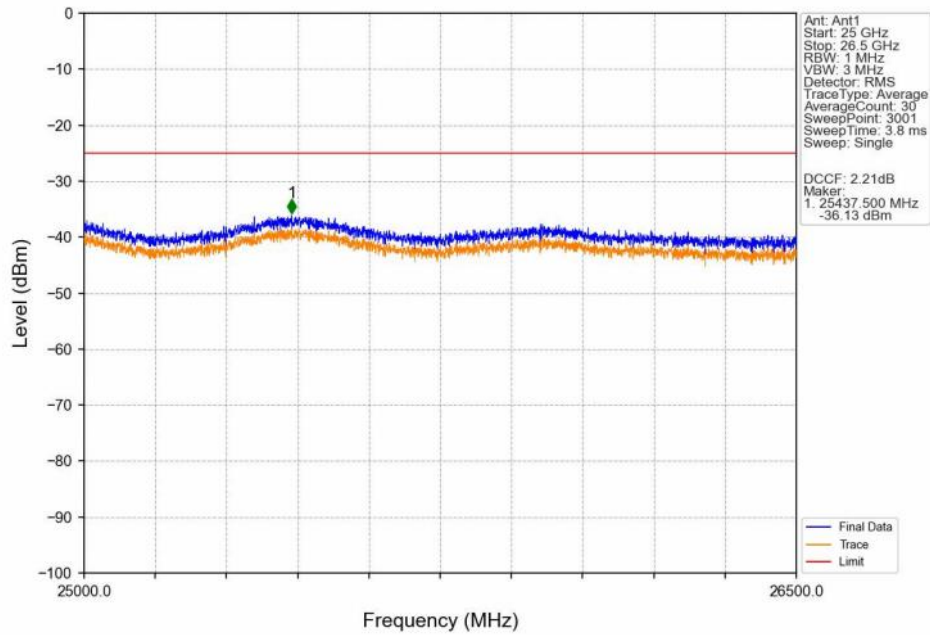
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



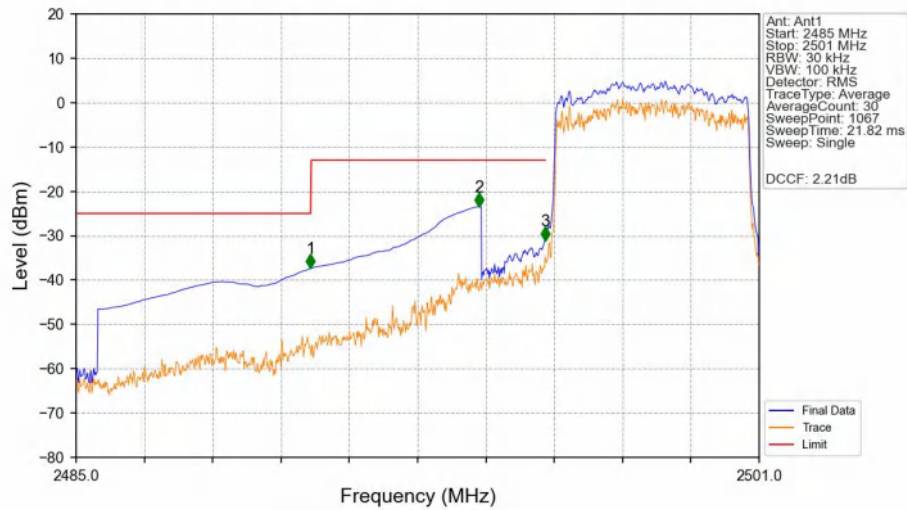
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

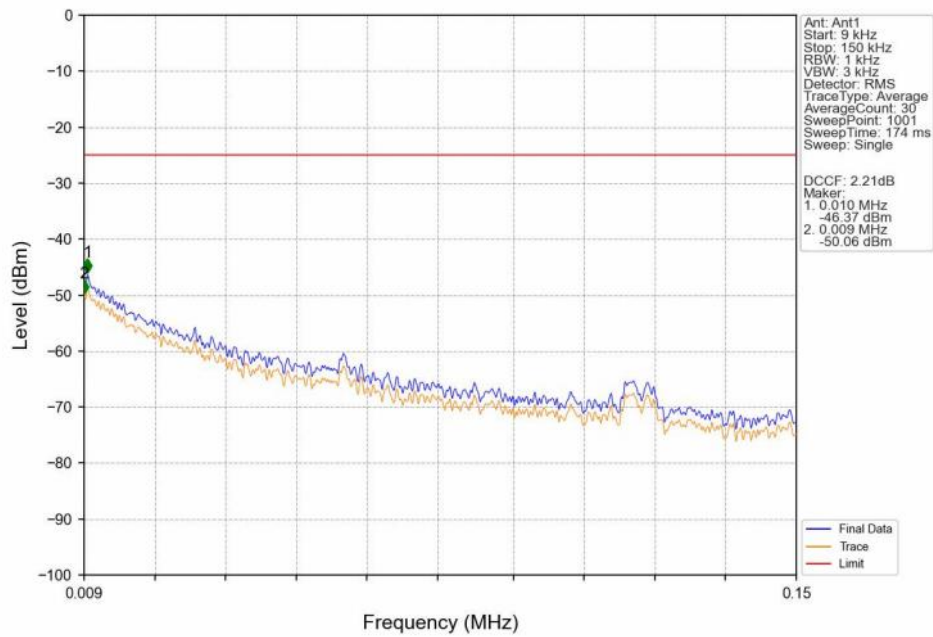


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

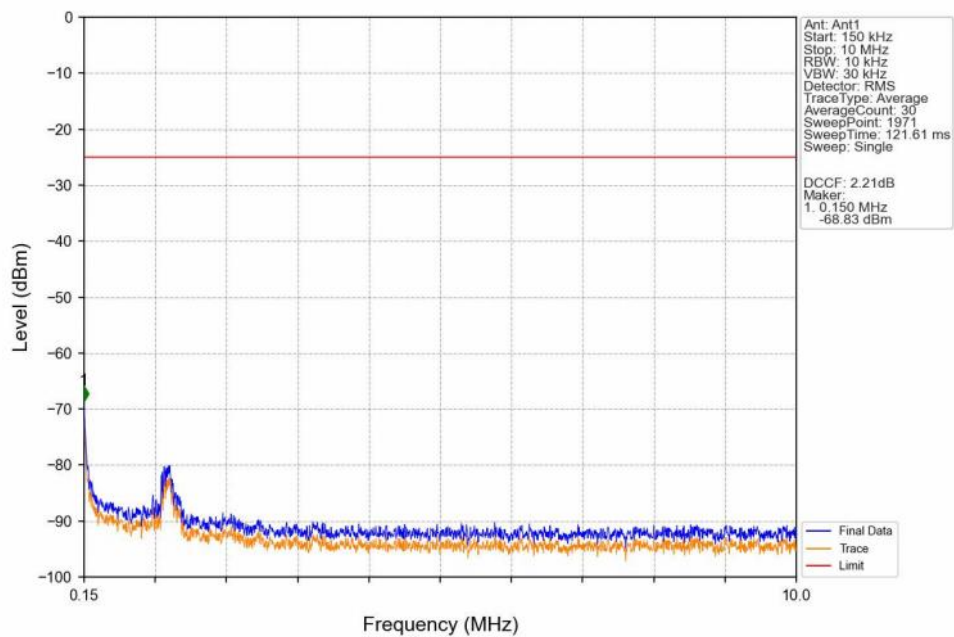


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-37.40	-25	Pass
2490.5	2495	1	CHP	2	2494.441	-23.45	-13	Pass
2495	2496	0.058	CHP	3	2495.987	-31.05	-13	Pass
2496	2501	0.058	CHP	/	/	/	/	/

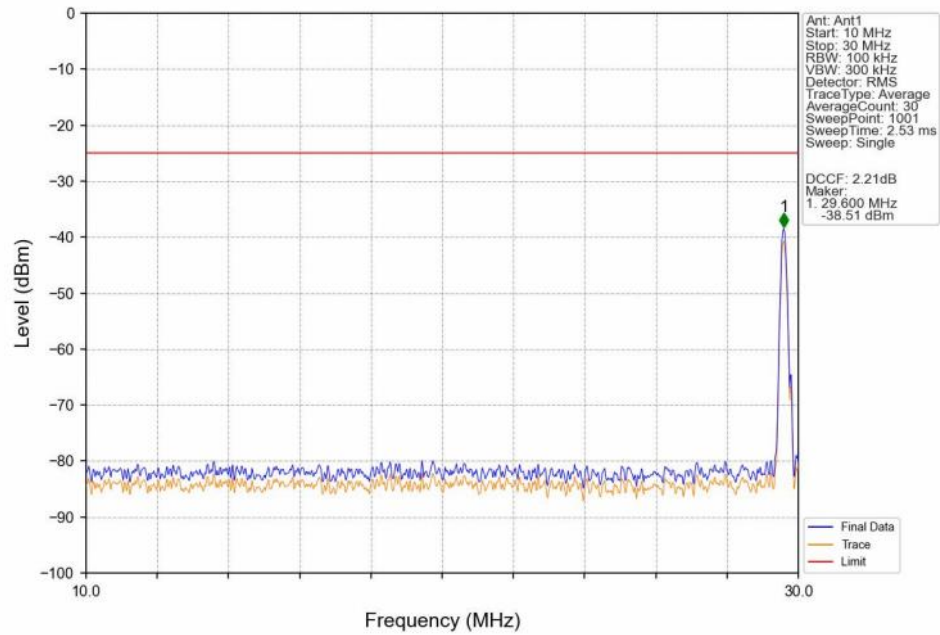
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



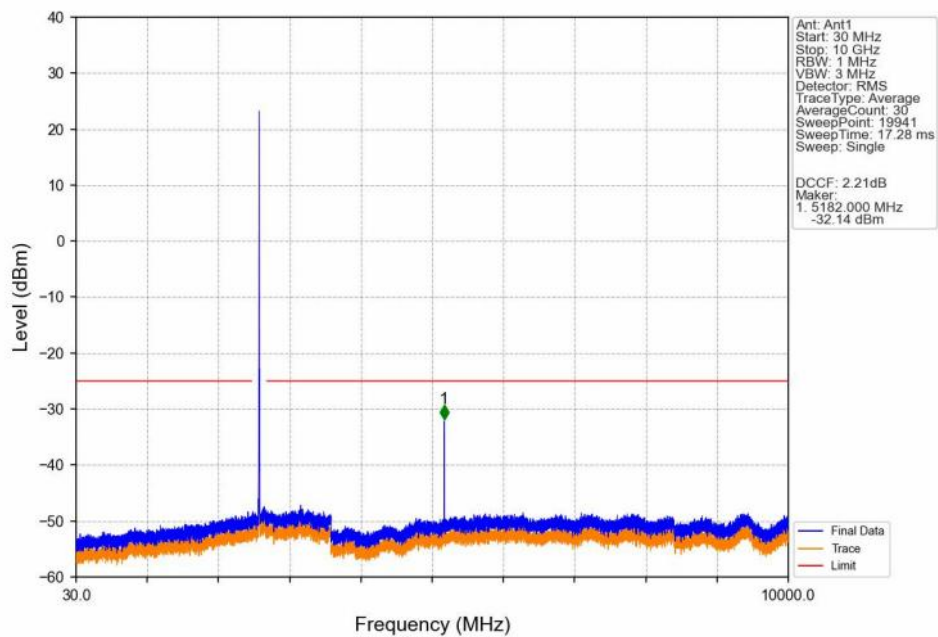
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



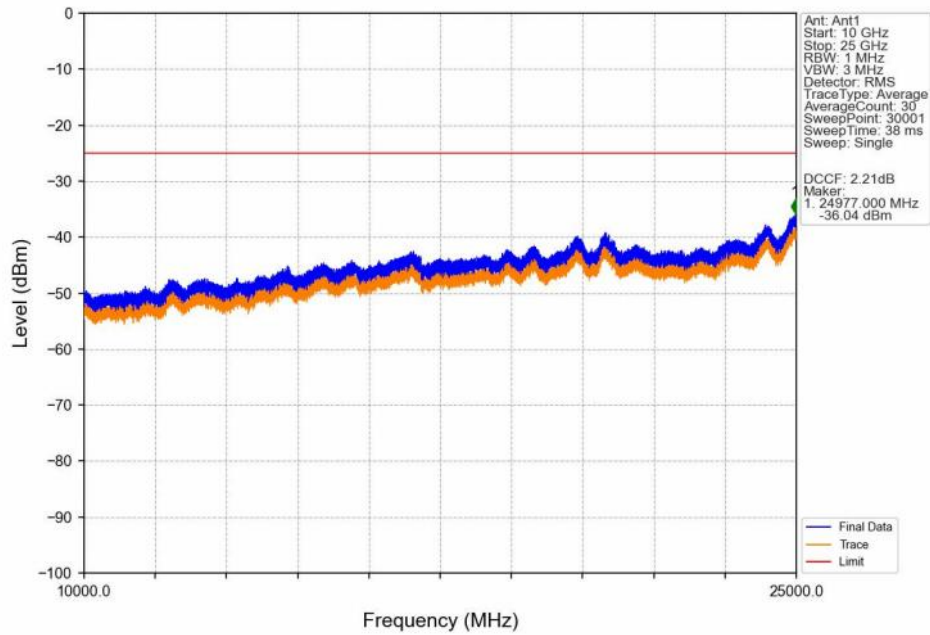
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



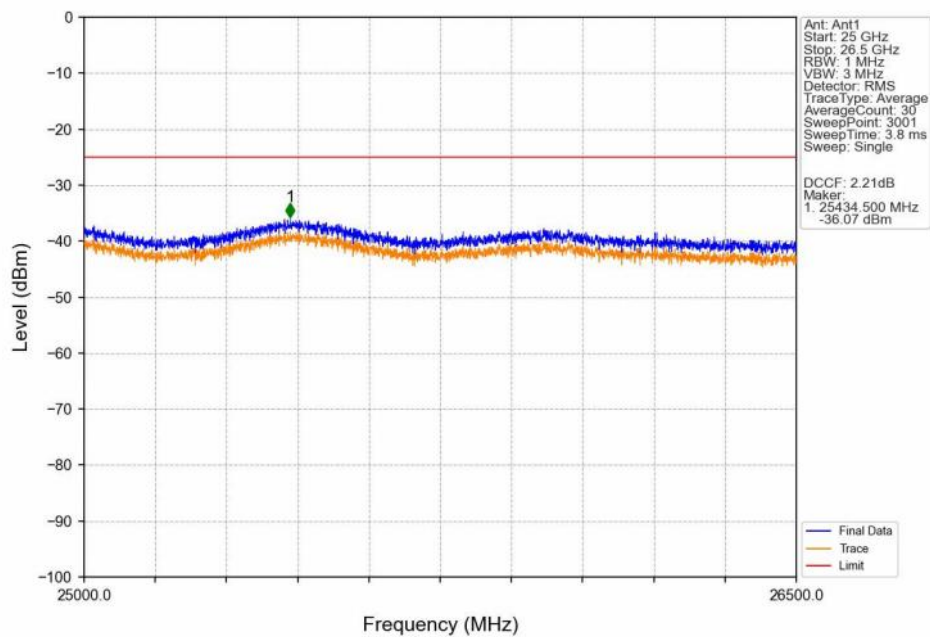
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



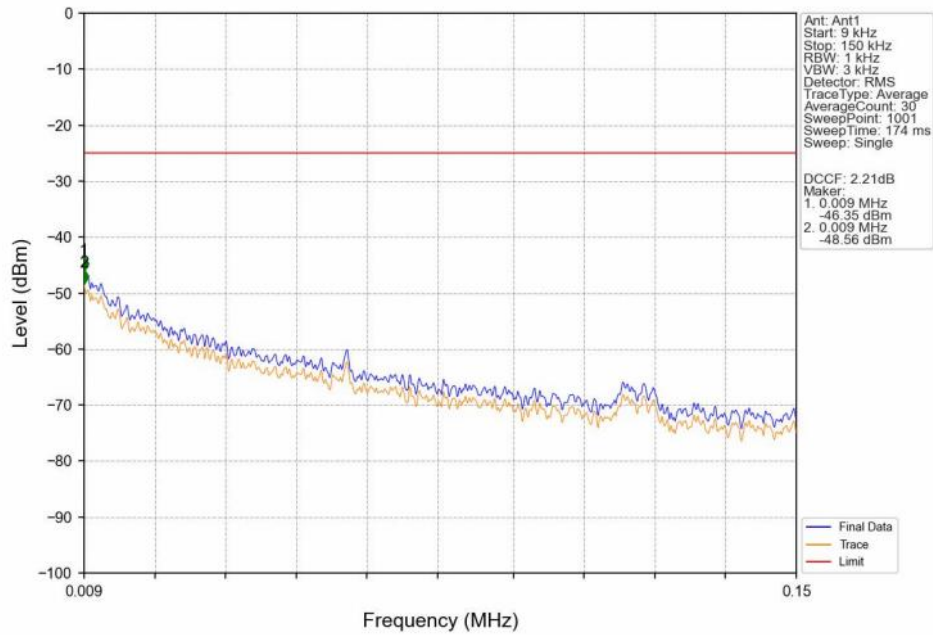
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



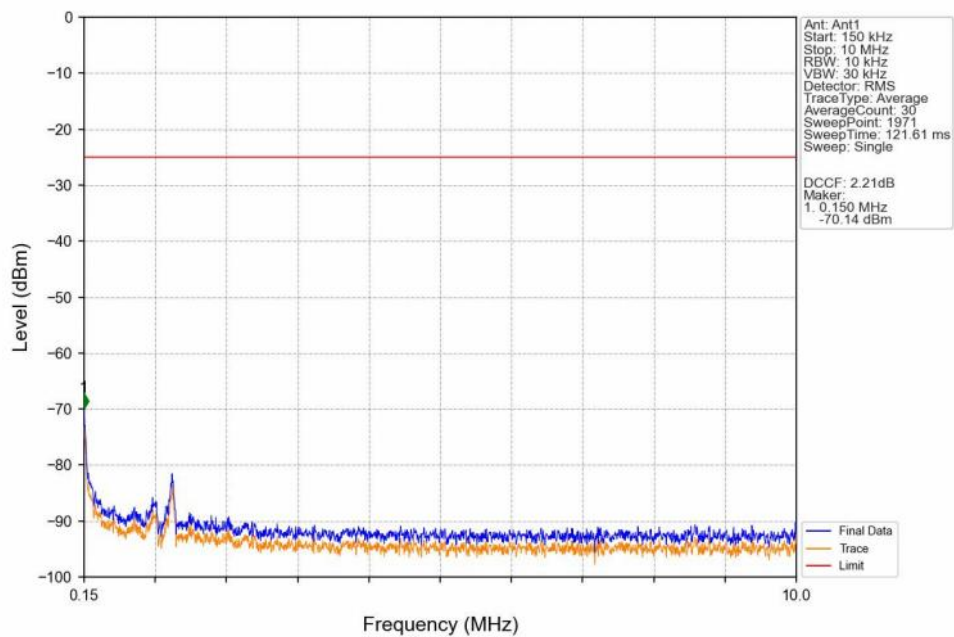
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



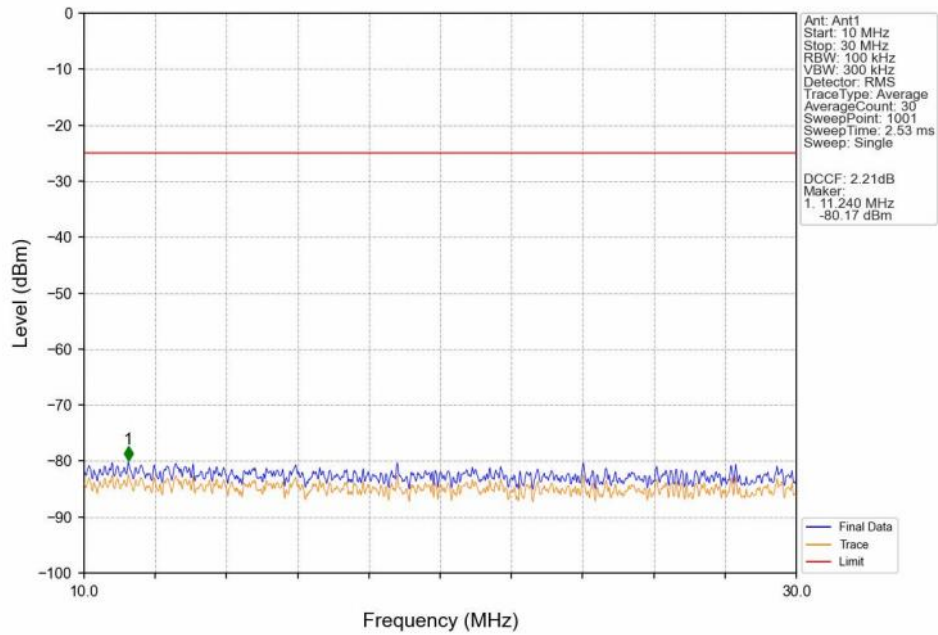
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



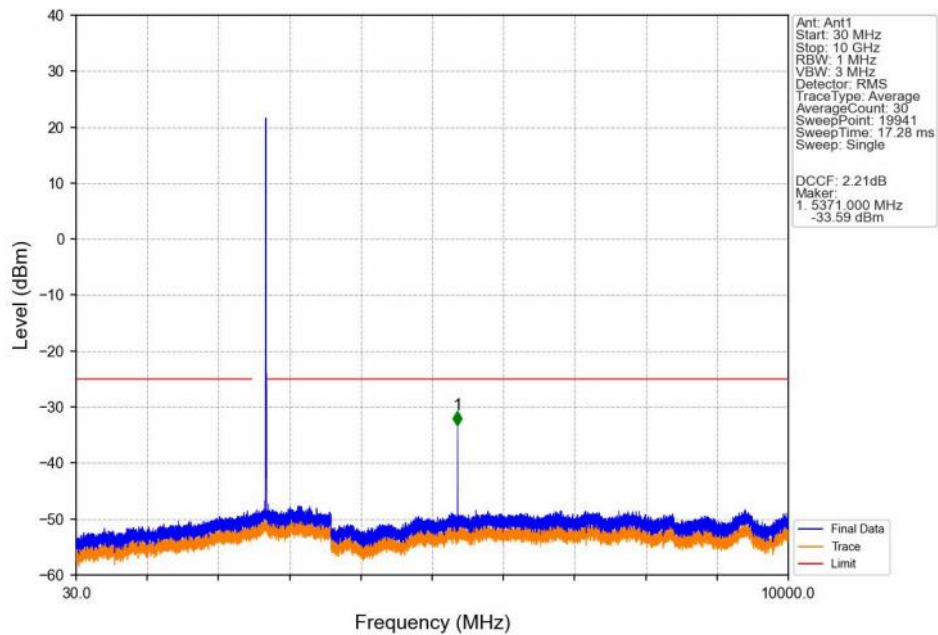
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



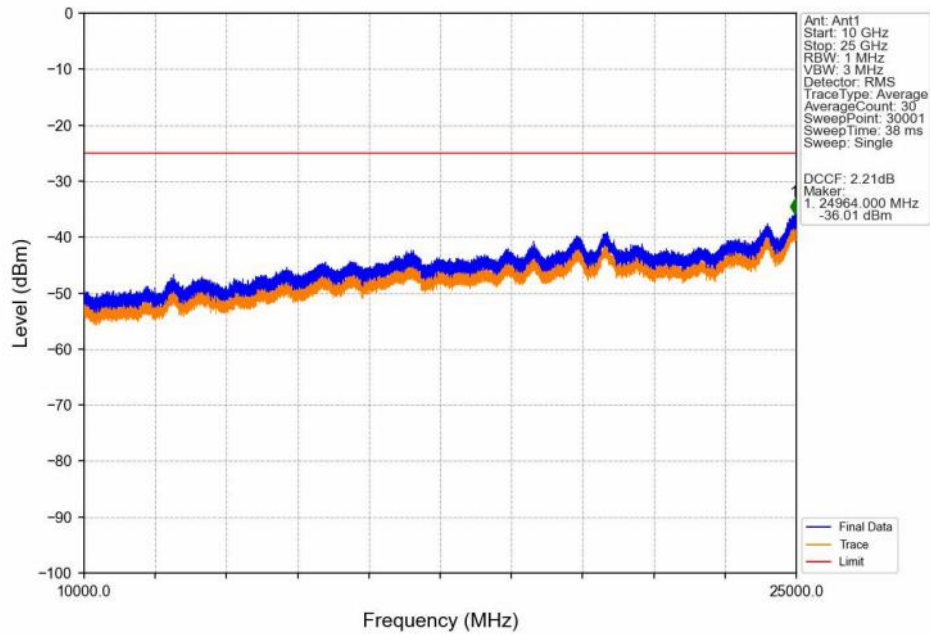
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



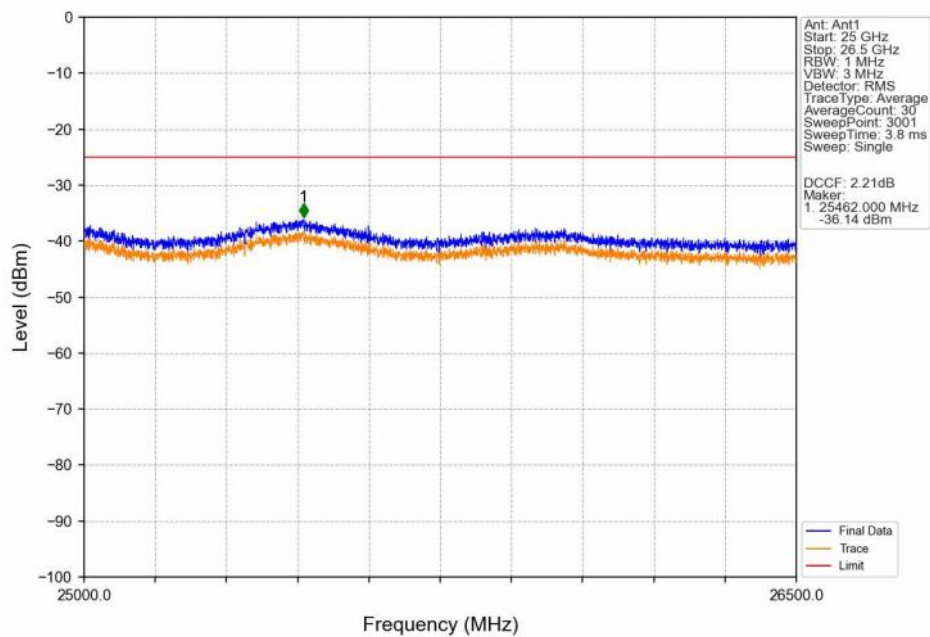
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



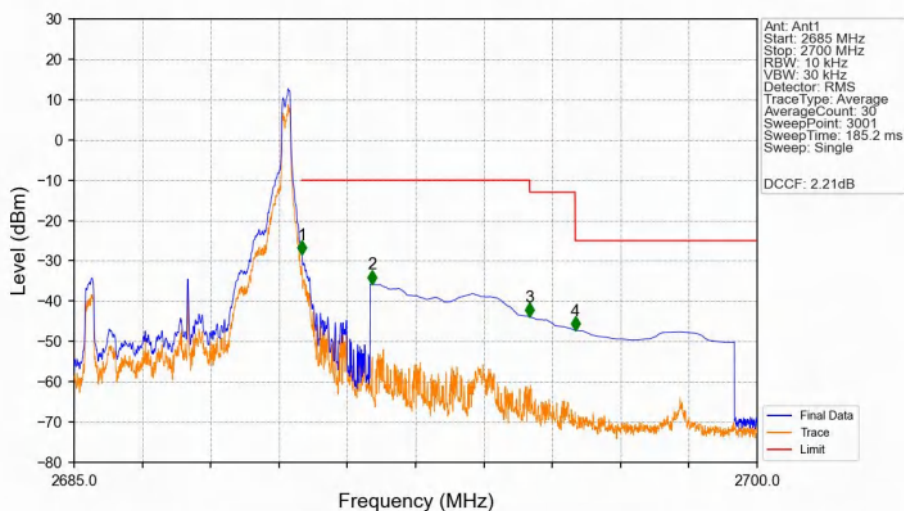
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



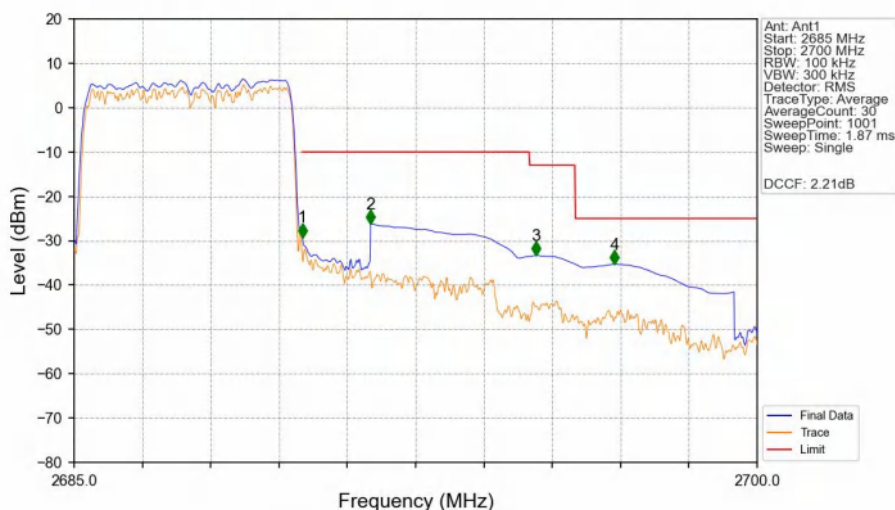
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



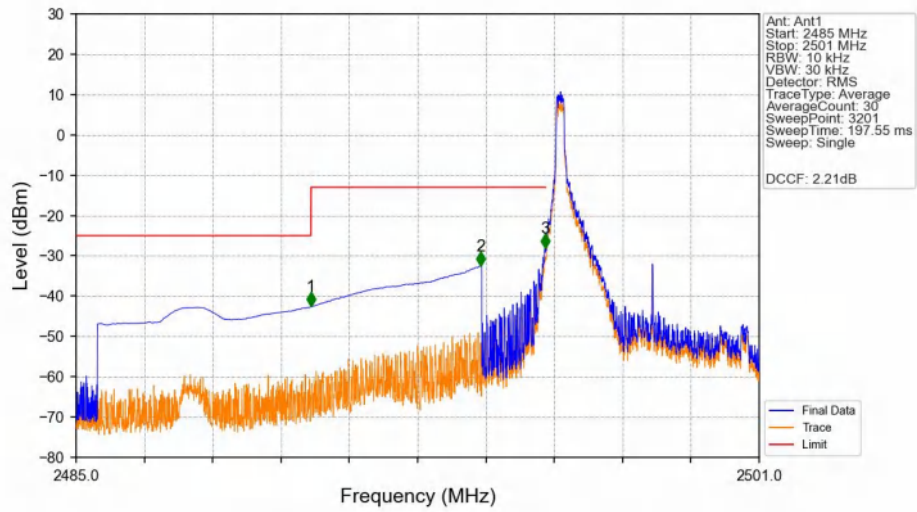
Band41 5MHz QPSK HCH 2687.5MHz RB 1 24 NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV

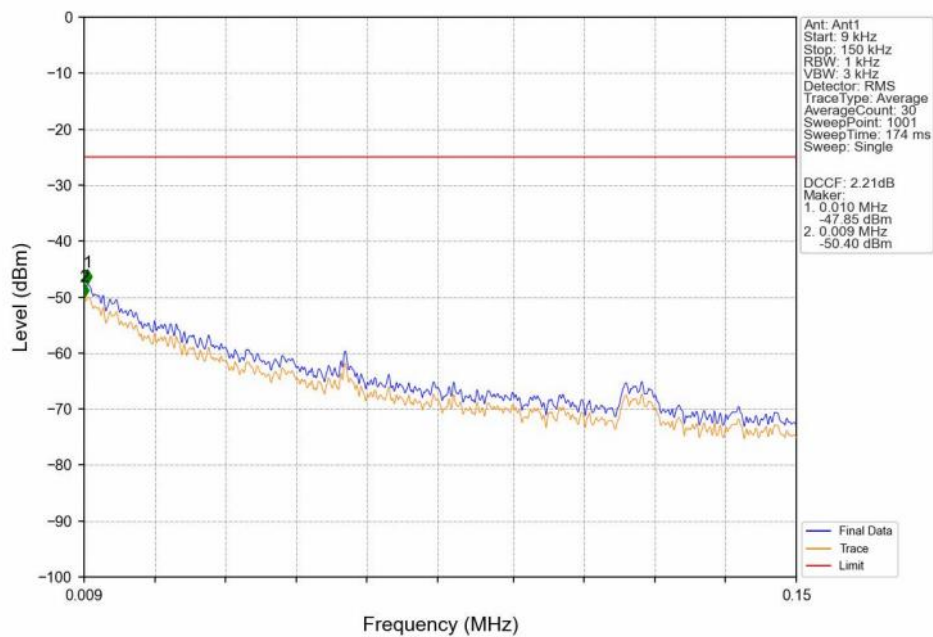


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

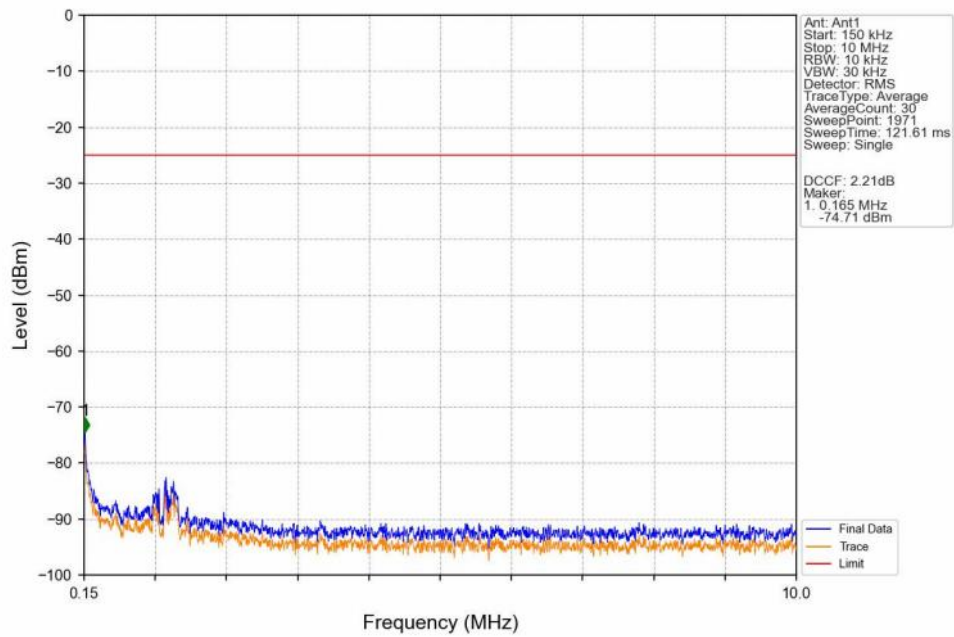


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-42.52	-25	Pass
2490.5	2495	1	CHP	2	2494.475	-32.51	-13	Pass
2495	2496	0.01	/	3	2495.980	-28.05	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

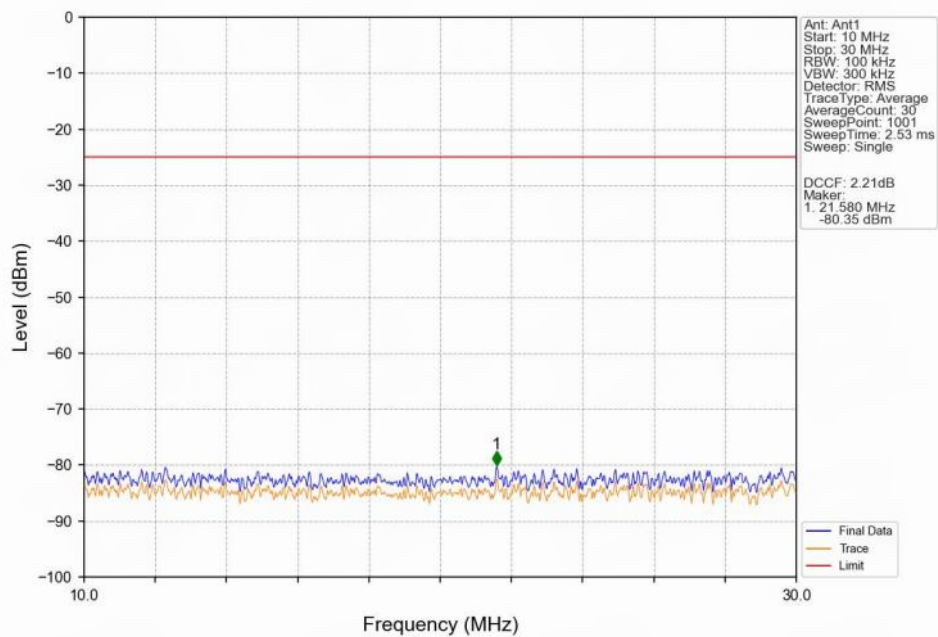
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



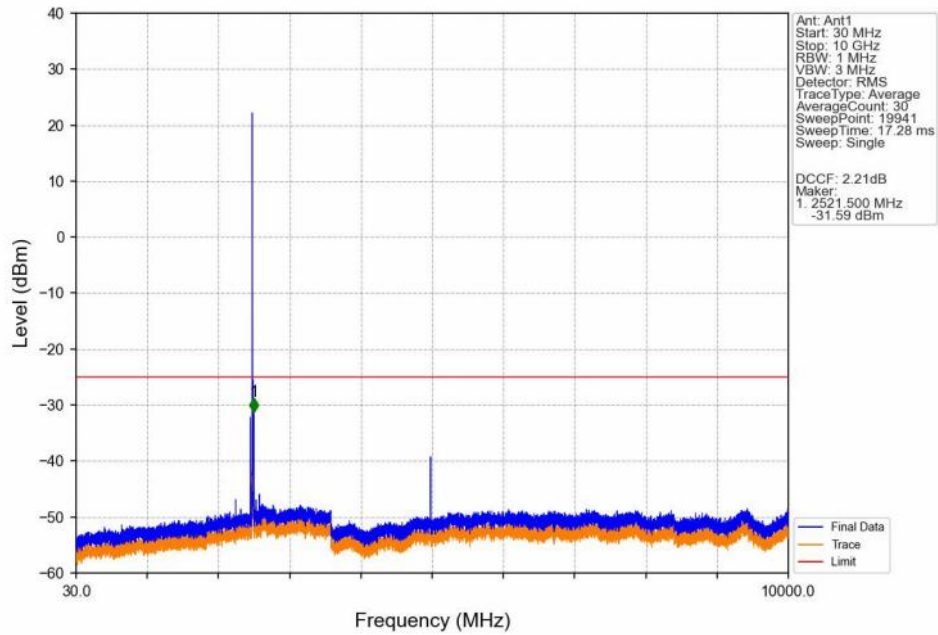
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



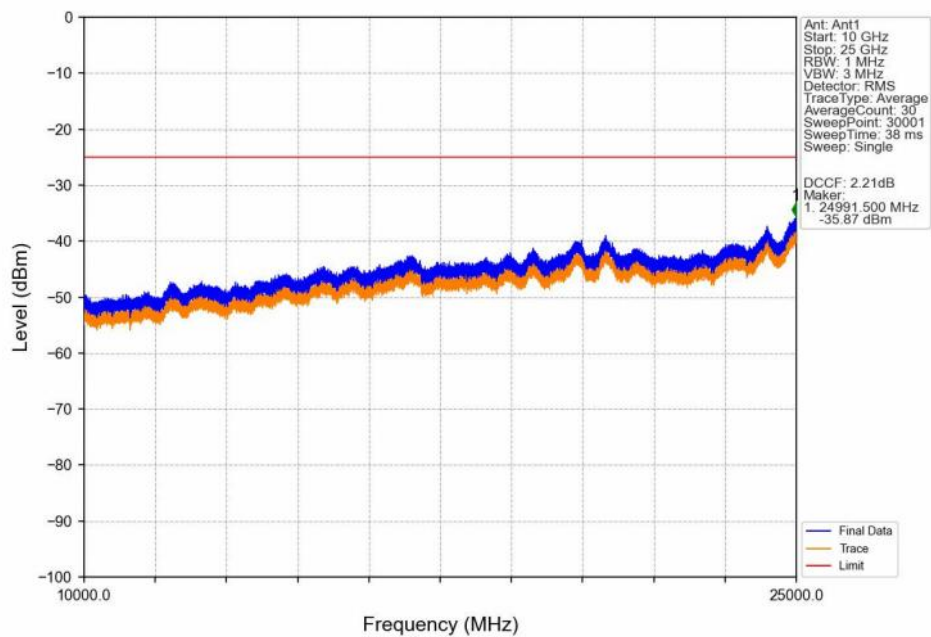
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



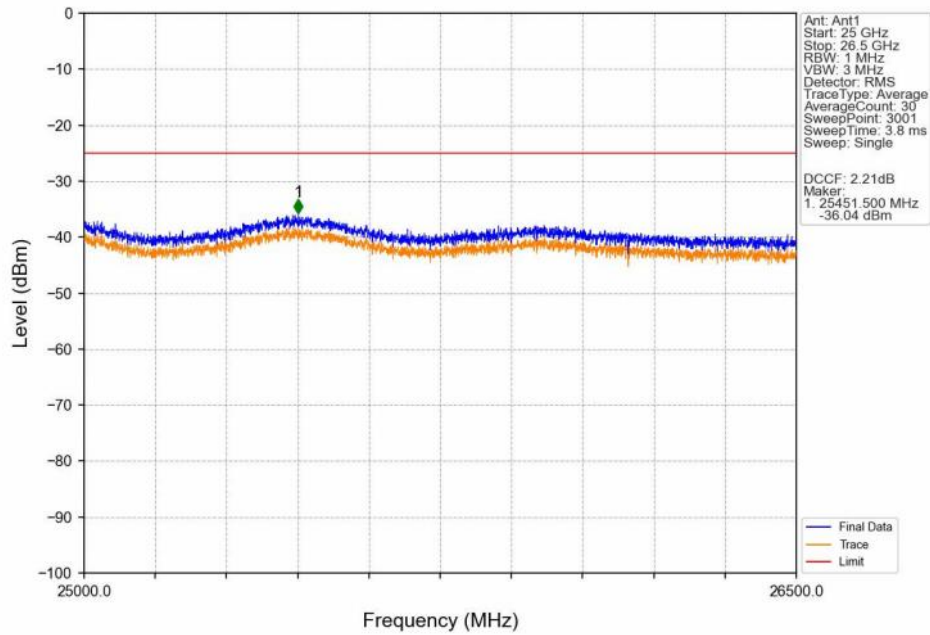
Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTNV



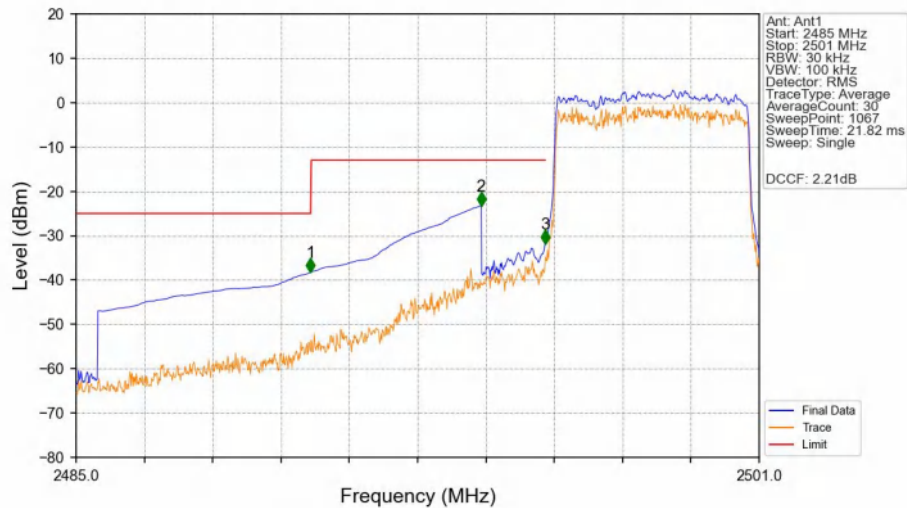
Band41 5MHz 16QAM LCH 2498.5MHz RB 1 0 NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

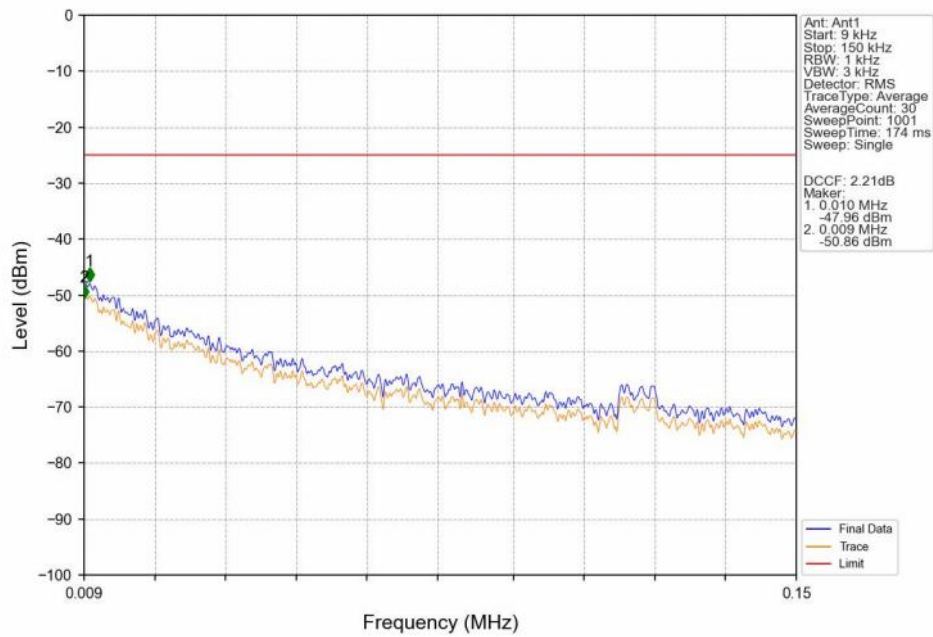


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

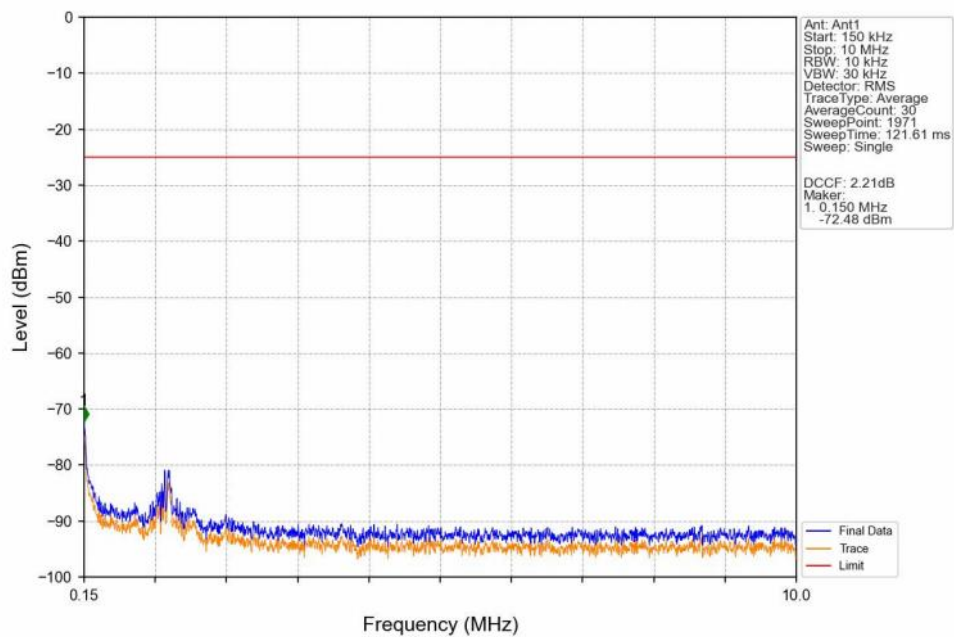


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-38.26	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-23.24	-13	Pass
2495	2496	0.05	CHP	3	2495.987	-31.92	-13	Pass
2496	2501	0.05	CHP	/	/	/	/	/

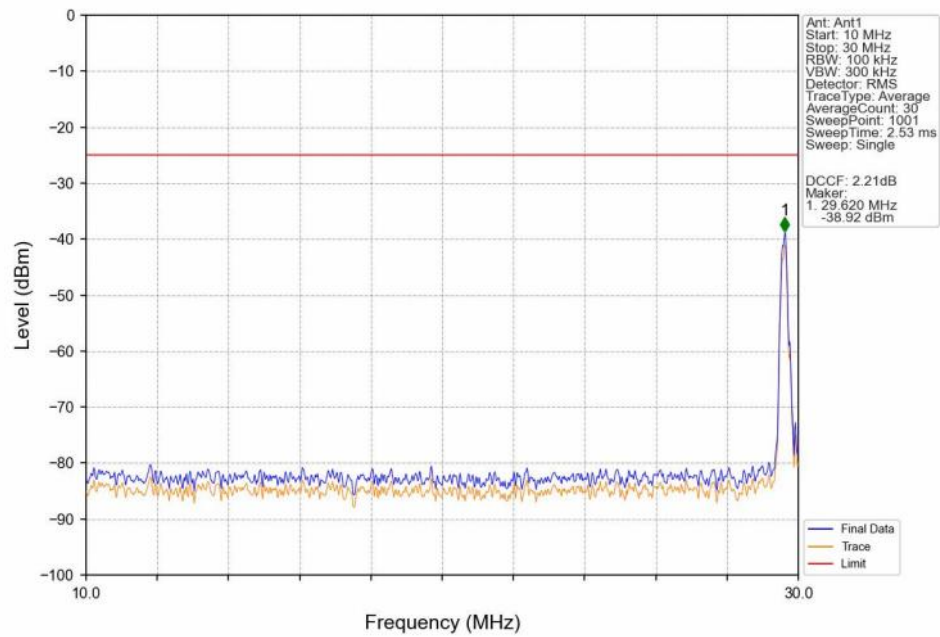
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV

