

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	17.87	-1.98	15.89	<=33.01	Pass
			13	18.10	-1.98	16.12	<=33.01	Pass
			24	17.75	-1.98	15.77	<=33.01	Pass
		12	0	17.92	-1.98	15.94	<=33.01	Pass
			6	18.14	-1.98	16.16	<=33.01	Pass
			13	17.89	-1.98	15.91	<=33.01	Pass
		25	0	17.92	-1.98	15.94	<=33.01	Pass
	2593	1	0	19.07	-1.98	17.09	<=33.01	Pass
			13	19.28	-1.98	17.30	<=33.01	Pass
			24	19.09	-1.98	17.11	<=33.01	Pass
		12	0	19.29	-1.98	17.31	<=33.01	Pass
			6	19.25	-1.98	17.27	<=33.01	Pass
			13	19.13	-1.98	17.15	<=33.01	Pass
		25	0	19.28	-1.98	17.30	<=33.01	Pass
	2687.5	1	0	18.03	-1.98	16.05	<=33.01	Pass
			13	18.43	-1.98	16.45	<=33.01	Pass
			24	18.01	-1.98	16.03	<=33.01	Pass
		12	0	18.11	-1.98	16.13	<=33.01	Pass
			6	18.21	-1.98	16.23	<=33.01	Pass
			13	18.30	-1.98	16.32	<=33.01	Pass
		25	0	18.17	-1.98	16.19	<=33.01	Pass
16QAM	2498.5	1	0	17.93	-1.98	15.95	<=33.01	Pass
			13	18.21	-1.98	16.23	<=33.01	Pass
			24	18.22	-1.98	16.24	<=33.01	Pass
		12	0	18.09	-1.98	16.11	<=33.01	Pass
			6	17.97	-1.98	15.99	<=33.01	Pass
			13	18.05	-1.98	16.07	<=33.01	Pass
		25	0	17.91	-1.98	15.93	<=33.01	Pass
	2593	1	0	19.16	-1.98	17.18	<=33.01	Pass
			13	19.61	-1.98	17.63	<=33.01	Pass
			24	19.19	-1.98	17.21	<=33.01	Pass
		12	0	19.12	-1.98	17.14	<=33.01	Pass
			6	19.37	-1.98	17.39	<=33.01	Pass
			13	19.22	-1.98	17.24	<=33.01	Pass
		25	0	19.11	-1.98	17.13	<=33.01	Pass
	2687.5	1	0	18.15	-1.98	16.17	<=33.01	Pass
			13	18.46	-1.98	16.48	<=33.01	Pass
			24	18.27	-1.98	16.29	<=33.01	Pass
		12	0	18.08	-1.98	16.10	<=33.01	Pass
			6	18.23	-1.98	16.25	<=33.01	Pass
			13	18.31	-1.98	16.33	<=33.01	Pass
		25	0	18.08	-1.98	16.10	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
------------------------------------	--	--	--	--	--	--	--	--

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

Page 1 of 144

BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

Version: 1/00

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	18.00	-1.98	16.02	<=33.01	Pass
			25	18.06	-1.98	16.08	<=33.01	Pass
			49	18.03	-1.98	16.05	<=33.01	Pass
		25	0	18.17	-1.98	16.19	<=33.01	Pass
			13	18.10	-1.98	16.12	<=33.01	Pass
			25	18.08	-1.98	16.10	<=33.01	Pass
		50	0	18.09	-1.98	16.11	<=33.01	Pass
	2593	1	0	19.22	-1.98	17.24	<=33.01	Pass
			25	19.53	-1.98	17.55	<=33.01	Pass
			49	19.17	-1.98	17.19	<=33.01	Pass
		25	0	19.41	-1.98	17.43	<=33.01	Pass
			13	19.32	-1.98	17.34	<=33.01	Pass
			25	19.20	-1.98	17.22	<=33.01	Pass
		50	0	19.31	-1.98	17.33	<=33.01	Pass
	2685	1	0	18.24	-1.98	16.26	<=33.01	Pass
			25	18.37	-1.98	16.39	<=33.01	Pass
			49	18.15	-1.98	16.17	<=33.01	Pass
		25	0	18.22	-1.98	16.24	<=33.01	Pass
			13	18.35	-1.98	16.37	<=33.01	Pass
			25	18.40	-1.98	16.42	<=33.01	Pass
		50	0	18.38	-1.98	16.40	<=33.01	Pass
16QAM	2501	1	0	17.68	-1.98	15.70	<=33.01	Pass
			25	17.75	-1.98	15.77	<=33.01	Pass
			49	17.85	-1.98	15.87	<=33.01	Pass
		25	0	18.17	-1.98	16.19	<=33.01	Pass
			13	17.98	-1.98	16.00	<=33.01	Pass
			25	18.07	-1.98	16.09	<=33.01	Pass
		50	0	17.92	-1.98	15.94	<=33.01	Pass
	2593	1	0	19.08	-1.98	17.10	<=33.01	Pass
			25	19.30	-1.98	17.32	<=33.01	Pass
			49	19.01	-1.98	17.03	<=33.01	Pass
		25	0	19.43	-1.98	17.45	<=33.01	Pass
			13	19.38	-1.98	17.40	<=33.01	Pass
			25	19.34	-1.98	17.36	<=33.01	Pass
		50	0	19.16	-1.98	17.18	<=33.01	Pass
	2685	1	0	18.20	-1.98	16.22	<=33.01	Pass
			25	18.47	-1.98	16.49	<=33.01	Pass
			49	18.37	-1.98	16.39	<=33.01	Pass
		25	0	18.26	-1.98	16.28	<=33.01	Pass
			13	18.45	-1.98	16.47	<=33.01	Pass
			25	18.28	-1.98	16.30	<=33.01	Pass
		50	0	18.38	-1.98	16.40	<=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	17.94	-1.98	15.96	<=33.01	Pass
			38	17.92	-1.98	15.94	<=33.01	Pass
			74	17.83	-1.98	15.85	<=33.01	Pass
		36	0	17.91	-1.98	15.93	<=33.01	Pass
			18	17.92	-1.98	15.94	<=33.01	Pass
			39	18.02	-1.98	16.04	<=33.01	Pass
		75	0	18.02	-1.98	16.04	<=33.01	Pass
		2593	1	19.26	-1.98	17.28	<=33.01	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

Page 2 of 144

BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

Version: 1/00

16QAM	2682.5	36	38	19.41	-1.98	17.43	<=33.01	Pass
			74	19.10	-1.98	17.12	<=33.01	Pass
			0	19.39	-1.98	17.41	<=33.01	Pass
			18	19.38	-1.98	17.40	<=33.01	Pass
			39	19.22	-1.98	17.24	<=33.01	Pass
			75	0	19.22	17.24	<=33.01	Pass
		1	0	18.31	-1.98	16.33	<=33.01	Pass
			38	18.26	-1.98	16.28	<=33.01	Pass
			74	18.26	-1.98	16.28	<=33.01	Pass
		36	0	18.42	-1.98	16.44	<=33.01	Pass
			18	18.45	-1.98	16.47	<=33.01	Pass
			39	18.39	-1.98	16.41	<=33.01	Pass
		75	0	18.21	-1.98	16.23	<=33.01	Pass
	2503.5	1	0	18.32	-1.98	16.34	<=33.01	Pass
			38	18.28	-1.98	16.30	<=33.01	Pass
			74	18.00	-1.98	16.02	<=33.01	Pass
		36	0	18.05	-1.98	16.07	<=33.01	Pass
			18	18.09	-1.98	16.11	<=33.01	Pass
			39	17.87	-1.98	15.89	<=33.01	Pass
		75	0	17.89	-1.98	15.91	<=33.01	Pass
	2593	1	0	19.02	-1.98	17.04	<=33.01	Pass
			38	19.12	-1.98	17.14	<=33.01	Pass
			74	19.04	-1.98	17.06	<=33.01	Pass
		36	0	19.21	-1.98	17.23	<=33.01	Pass
			18	19.36	-1.98	17.38	<=33.01	Pass
			39	19.17	-1.98	17.19	<=33.01	Pass
		75	0	19.32	-1.98	17.34	<=33.01	Pass
	2682.5	1	0	18.30	-1.98	16.32	<=33.01	Pass
			38	18.38	-1.98	16.40	<=33.01	Pass
			74	18.24	-1.98	16.26	<=33.01	Pass
		36	0	18.23	-1.98	16.25	<=33.01	Pass
			18	18.39	-1.98	16.41	<=33.01	Pass
			39	18.36	-1.98	16.38	<=33.01	Pass
		75	0	18.24	-1.98	16.26	<=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	17.97	-1.98	15.99	<=33.01	Pass
			50	18.01	-1.98	16.03	<=33.01	Pass
			99	17.66	-1.98	15.68	<=33.01	Pass
		50	0	18.00	-1.98	16.02	<=33.01	Pass
			25	17.86	-1.98	15.88	<=33.01	Pass
			50	17.80	-1.98	15.82	<=33.01	Pass
		100	0	17.99	-1.98	16.01	<=33.01	Pass
	2593	1	0	19.24	-1.98	17.26	<=33.01	Pass
			50	19.57	-1.98	17.59	<=33.01	Pass
			99	19.12	-1.98	17.14	<=33.01	Pass
		50	0	19.34	-1.98	17.36	<=33.01	Pass
			25	19.30	-1.98	17.32	<=33.01	Pass
			50	19.20	-1.98	17.22	<=33.01	Pass
		100	0	19.14	-1.98	17.16	<=33.01	Pass
	2680	1	0	18.36	-1.98	16.38	<=33.01	Pass
			50	18.28	-1.98	16.30	<=33.01	Pass
			99	18.04	-1.98	16.06	<=33.01	Pass
		50	0	18.44	-1.98	16.46	<=33.01	Pass

16QAM	2506	100	25	18.22	-1.98	16.24	<=33.01	Pass
			50	18.15	-1.98	16.17	<=33.01	Pass
			0	18.37	-1.98	16.39	<=33.01	Pass
		1	0	18.04	-1.98	16.06	<=33.01	Pass
			50	18.27	-1.98	16.29	<=33.01	Pass
			99	17.89	-1.98	15.91	<=33.01	Pass
		50	0	17.99	-1.98	16.01	<=33.01	Pass
			25	18.04	-1.98	16.06	<=33.01	Pass
			50	17.97	-1.98	15.99	<=33.01	Pass
		100	0	18.01	-1.98	16.03	<=33.01	Pass
	2593	1	0	19.27	-1.98	17.29	<=33.01	Pass
			50	19.28	-1.98	17.30	<=33.01	Pass
			99	18.69	-1.98	16.71	<=33.01	Pass
		50	0	19.19	-1.98	17.21	<=33.01	Pass
			25	19.14	-1.98	17.16	<=33.01	Pass
			50	19.19	-1.98	17.21	<=33.01	Pass
		100	0	19.26	-1.98	17.28	<=33.01	Pass
	2680	1	0	18.64	-1.98	16.66	<=33.01	Pass
			50	18.93	-1.98	16.95	<=33.01	Pass
			99	18.03	-1.98	16.05	<=33.01	Pass
		50	0	18.43	-1.98	16.45	<=33.01	Pass
			25	18.24	-1.98	16.26	<=33.01	Pass
			50	18.34	-1.98	16.36	<=33.01	Pass
		100	0	18.40	-1.98	16.42	<=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	9.670	0.0039	-2.5 to 2.5	Pass
					3.85	9.513	0.0038	-2.5 to 2.5	Pass
					4.43	4.420	0.0018	-2.5 to 2.5	Pass
				-30	3.85	10.486	0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.821	0.0019	-2.5 to 2.5	Pass
				0	3.85	2.975	0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	4.649	0.0019	-2.5 to 2.5	Pass
				40	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				50	3.85	5.536	0.0022	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	-6.895	-0.0027	-2.5 to 2.5	Pass
					3.85	-12.202	-0.0047	-2.5 to 2.5	Pass
					4.43	-22.359	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-26.965	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-18.411	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-19.784	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-22.473	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-34.261	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-27.194	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-33.345	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-26.007	-0.0100	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-4.034	-0.0015	-2.5 to 2.5	Pass

Total or partial reproduction of this document without permission of the Laboratory is not allowed.

Page 4 of 144

BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

Version: 1/00

						3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
						4.43	3.347	0.0012	-2.5 to 2.5	Pass
					-30	3.85	2.789	0.0010	-2.5 to 2.5	Pass
					-20	3.85	15.678	0.0058	-2.5 to 2.5	Pass
					-10	3.85	7.024	0.0026	-2.5 to 2.5	Pass
					0	3.85	7.052	0.0026	-2.5 to 2.5	Pass
					10	3.85	8.583	0.0032	-2.5 to 2.5	Pass
					30	3.85	17.095	0.0064	-2.5 to 2.5	Pass
					40	3.85	11.616	0.0043	-2.5 to 2.5	Pass
50	3.85	12.231	0.0046	-2.5 to 2.5	Pass					
16QAM	2498.5	25	0	20		3.27	-0.286	-0.0001	-2.5 to 2.5	Pass
						3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
						4.43	-2.575	-0.0010	-2.5 to 2.5	Pass
					-30	3.85	-3.920	-0.0016	-2.5 to 2.5	Pass
					-20	3.85	0.730	0.0003	-2.5 to 2.5	Pass
					-10	3.85	0.701	0.0003	-2.5 to 2.5	Pass
					0	3.85	5.608	0.0022	-2.5 to 2.5	Pass
					10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
					30	3.85	4.549	0.0018	-2.5 to 2.5	Pass
					40	3.85	0.787	0.0003	-2.5 to 2.5	Pass
					50	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				2593	25	0	20		3.27	-32.973
		3.85	-21.815					-0.0084	-2.5 to 2.5	Pass
		4.43	-35.305					-0.0136	-2.5 to 2.5	Pass
		-30	3.85				-27.008	-0.0104	-2.5 to 2.5	Pass
		-20	3.85				-39.096	-0.0151	-2.5 to 2.5	Pass
		-10	3.85				-30.756	-0.0119	-2.5 to 2.5	Pass
		0	3.85				-28.839	-0.0111	-2.5 to 2.5	Pass
		10	3.85				-24.590	-0.0095	-2.5 to 2.5	Pass
		30	3.85				-33.045	-0.0127	-2.5 to 2.5	Pass
		40	3.85				-37.909	-0.0146	-2.5 to 2.5	Pass
		50	3.85				-31.729	-0.0122	-2.5 to 2.5	Pass
	2687.5	25	0				20		3.27	15.979
					3.85	22.216		0.0083	-2.5 to 2.5	Pass
					4.43	23.432		0.0087	-2.5 to 2.5	Pass
					-30	3.85	19.026	0.0071	-2.5 to 2.5	Pass
					-20	3.85	29.769	0.0111	-2.5 to 2.5	Pass
					-10	3.85	19.112	0.0071	-2.5 to 2.5	Pass
					0	3.85	18.625	0.0069	-2.5 to 2.5	Pass
					10	3.85	21.429	0.0080	-2.5 to 2.5	Pass
					30	3.85	24.705	0.0092	-2.5 to 2.5	Pass
					40	3.85	28.582	0.0106	-2.5 to 2.5	Pass
					50	3.85	22.416	0.0083	-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	-5.908	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0014	-2.5 to 2.5	Pass
					4.43	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass

16QAM	2593	50	0	50	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				20	3.27	-3.662	-0.0014	-2.5 to 2.5	Pass
					3.85	-9.956	-0.0038	-2.5 to 2.5	Pass
					4.43	-5.236	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-3.061	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-4.549	-0.0017	-2.5 to 2.5	Pass
					3.85	0.072	0.0000	-2.5 to 2.5	Pass
					4.43	0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.635	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.189	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-5.121	-0.0019	-2.5 to 2.5	Pass
	2501	50	0	20	3.27	-2.275	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0017	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0024	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-8.969	-0.0035	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.992	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-4.392	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-7.353	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-5.322	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-7.110	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.363	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-8.941	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0009	-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	-9.170	-0.0037	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.077	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.166	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-7.067	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-10.886	-0.0043	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-5.336	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-6.094	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.925	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-2.718	-0.0010	-2.5 to 2.5	Pass
					3.85	2.933	0.0011	-2.5 to 2.5	Pass
					4.43	2.546	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0003	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-1.645	-0.0007	-2.5 to 2.5	Pass
					3.85	-5.994	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0028	-2.5 to 2.5	Pass
				10	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				30	3.85	-10.929	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-7.153	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-5.593	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0021	-2.5 to 2.5	Pass

					3.85	-4.134	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.333	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0024	-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	-3.448	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0015	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.236	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-8.297	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-10.929	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-2.975	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0020	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-11.959	-0.0046	-2.5 to 2.5	Pass
					3.85	-8.941	-0.0034	-2.5 to 2.5	Pass
					4.43	-10.185	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-7.782	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-7.696	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-9.542	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-12.803	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0027	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-5.436	-0.0020	-2.5 to 2.5	Pass
					3.85	-6.537	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.718	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-4.892	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-8.211	-0.0031	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	-4.463	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
					4.43	-9.141	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-8.855	-0.0035	-2.5 to 2.5	Pass
				0	3.85	1.287	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-16.966	-0.0068	-2.5 to 2.5	Pass

	2593	100	0	50	3.85	-4.334	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-8.926	-0.0034	-2.5 to 2.5	Pass
					3.85	-11.315	-0.0044	-2.5 to 2.5	Pass
					4.43	-12.302	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-2.861	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-12.131	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-9.799	-0.0038	-2.5 to 2.5	Pass
	2680	100	0	40	3.85	-12.403	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-13.762	-0.0053	-2.5 to 2.5	Pass
				20	3.27	-1.745	-0.0007	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-9.456	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-8.955	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-8.698	-0.0032	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTVN						
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

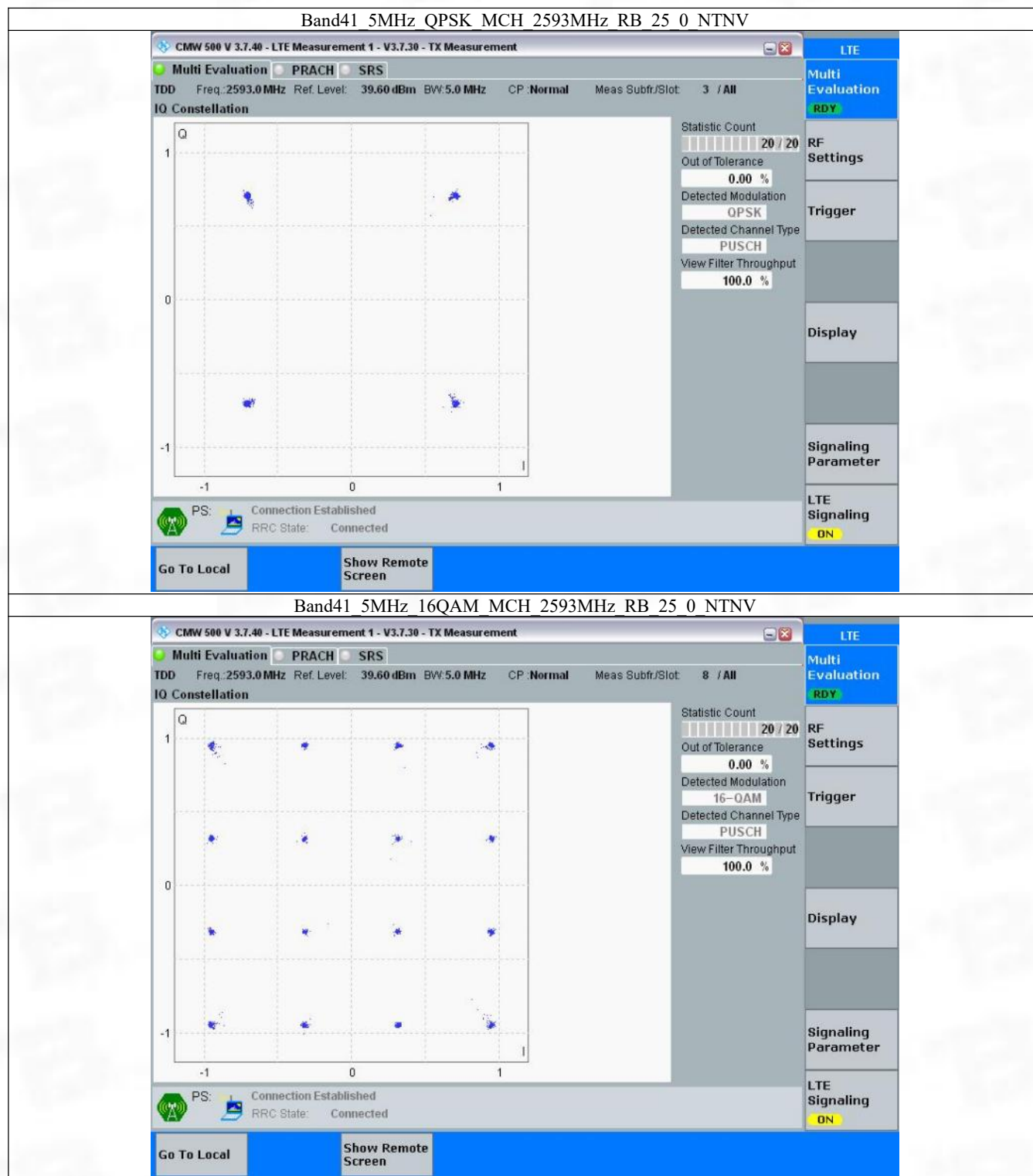
3.1.4 B41_20MHz

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

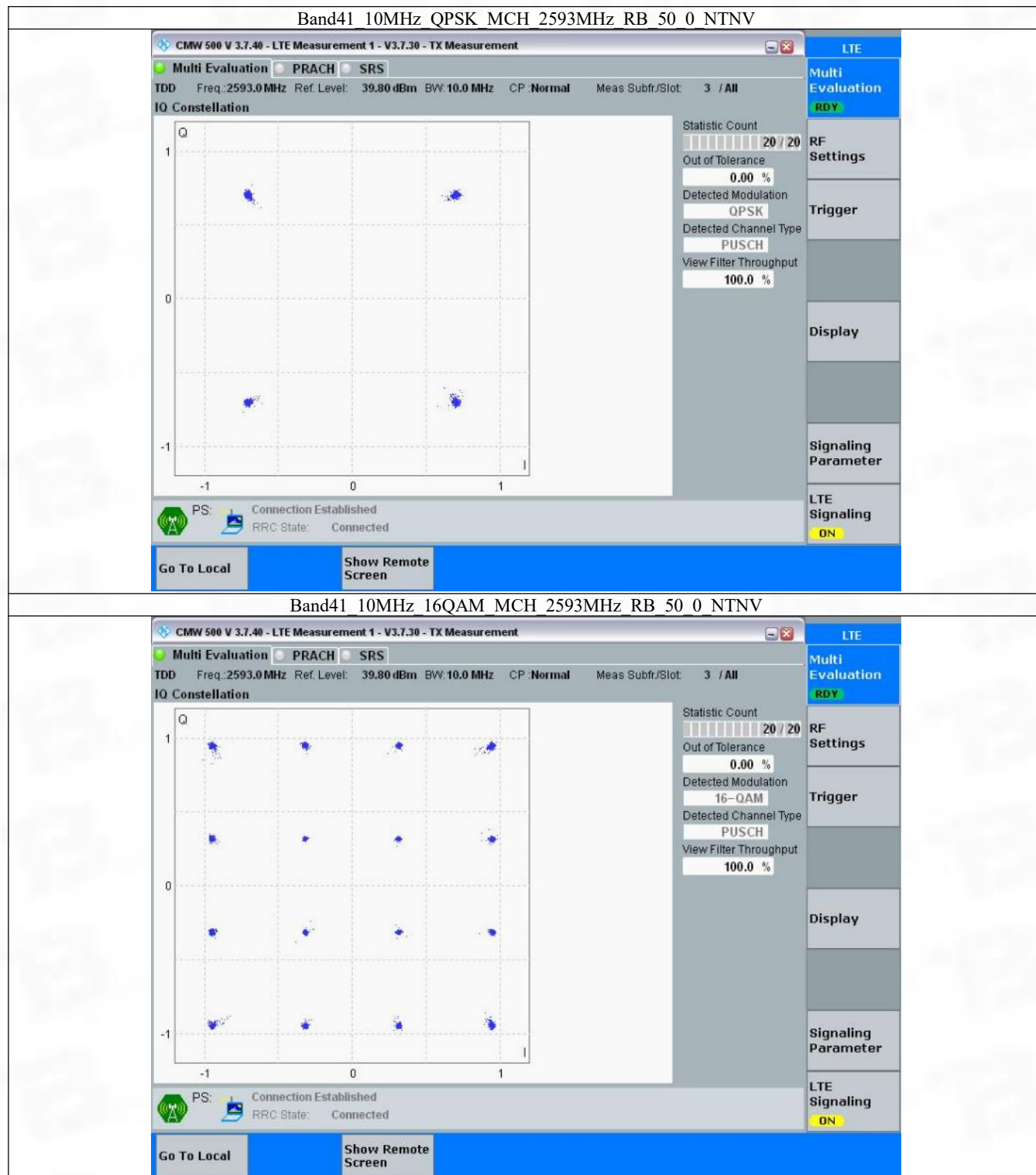
	(MHz)	Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.2 Test Graph

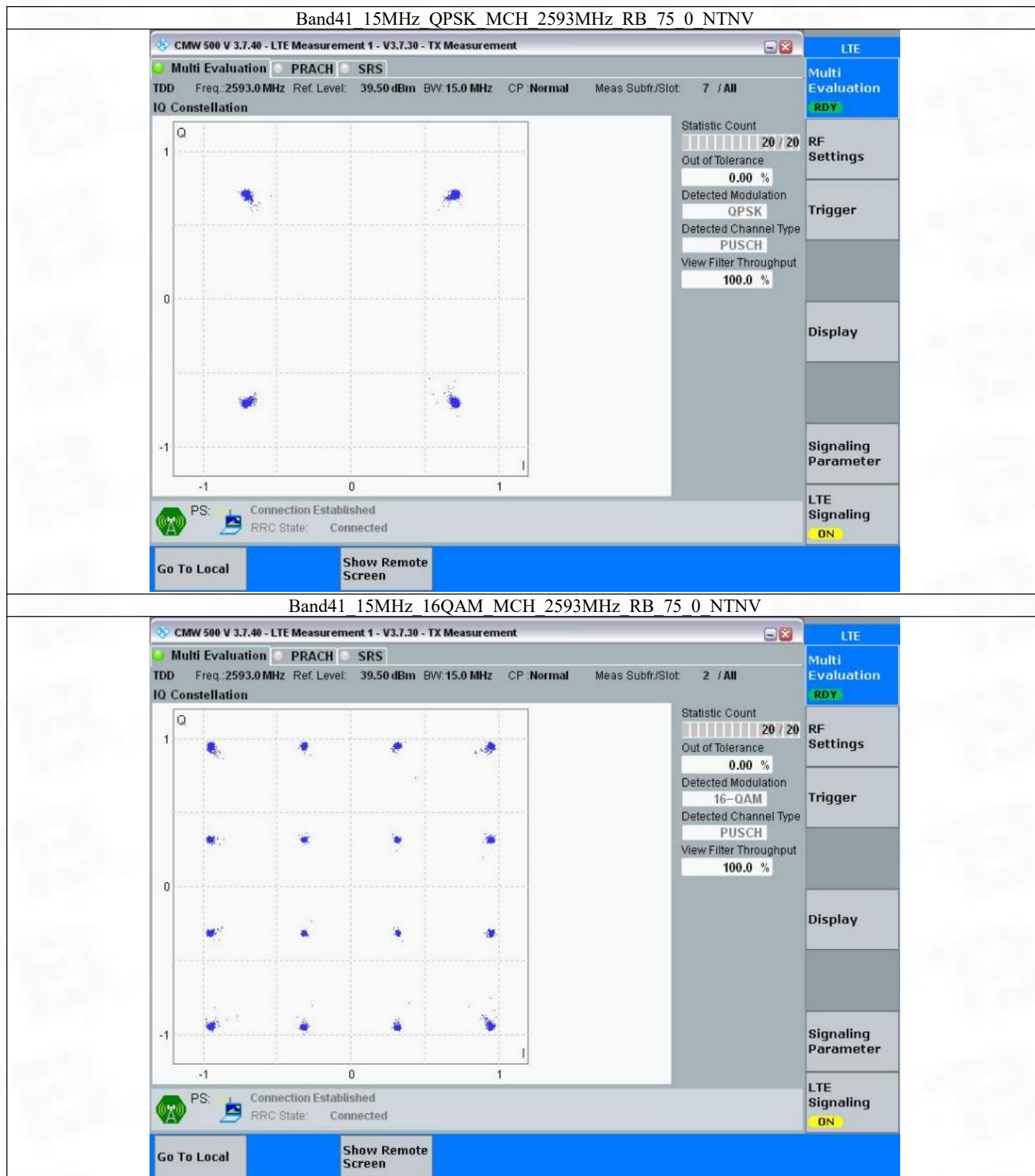
3.2.1 B41_5MHz



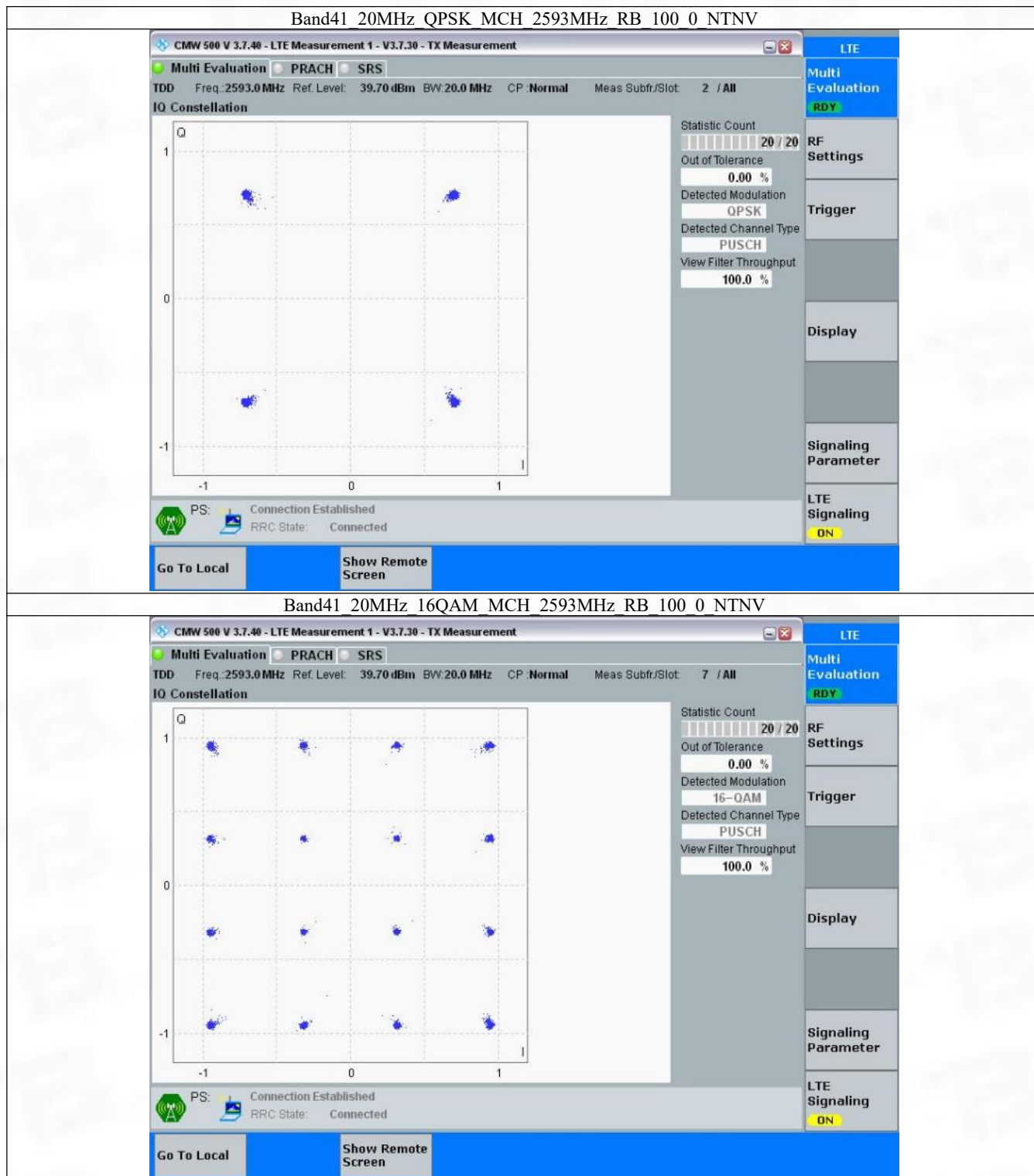
3.2.2 B41_10MHz



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	4.546	/	Pass
		2593	25	0	4.552	/	Pass
		2687.5	25	0	4.551	/	Pass
	16QAM	2498.5	25	0	4.533	/	Pass
		2593	25	0	4.561	/	Pass
		2687.5	25	0	4.542	/	Pass
10	QPSK	2501	50	0	9.090	/	Pass
		2593	50	0	9.074	/	Pass
		2685	50	0	9.072	/	Pass
	16QAM	2501	50	0	9.084	/	Pass
		2593	50	0	9.067	/	Pass
		2685	50	0	9.046	/	Pass
15	QPSK	2503.5	75	0	13.540	/	Pass
		2593	75	0	13.583	/	Pass
		2682.5	75	0	13.617	/	Pass
	16QAM	2503.5	75	0	13.644	/	Pass
		2593	75	0	13.600	/	Pass
		2682.5	75	0	13.566	/	Pass
20	QPSK	2506	100	0	18.126	/	Pass
		2593	100	0	18.078	/	Pass
		2680	100	0	18.081	/	Pass
	16QAM	2506	100	0	18.127	/	Pass
		2593	100	0	18.123	/	Pass
		2680	100	0	18.076	/	Pass

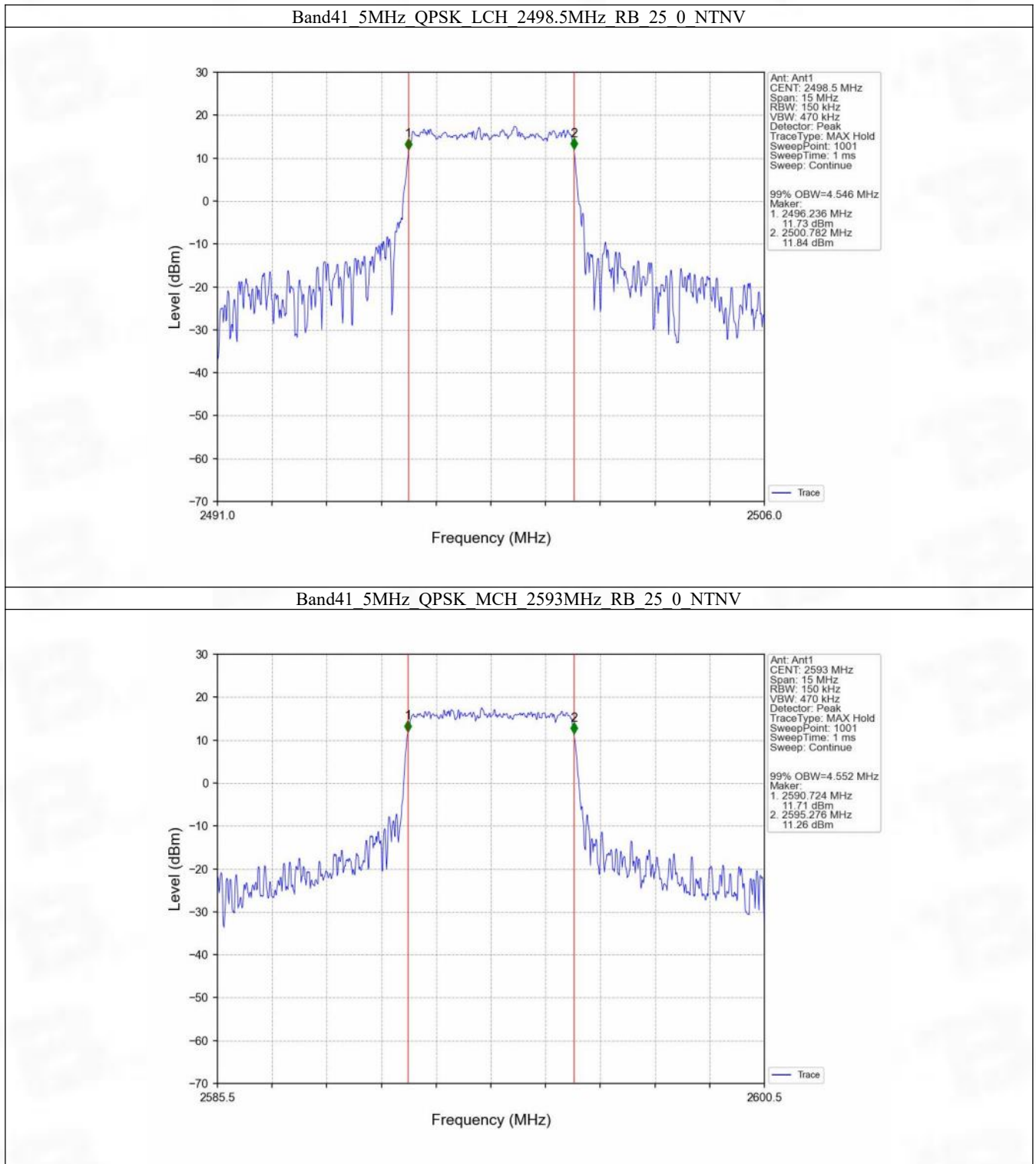
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.413	/	Pass
		2593	25	0	5.468	/	Pass
		2687.5	25	0	5.133	/	Pass
	16QAM	2498.5	25	0	5.181	/	Pass
		2593	25	0	5.092	/	Pass
		2687.5	25	0	5.367	/	Pass
10	QPSK	2501	50	0	11.233	/	Pass
		2593	50	0	10.803	/	Pass
		2685	50	0	10.837	/	Pass
	16QAM	2501	50	0	11.648	/	Pass
		2593	50	0	10.448	/	Pass
		2685	50	0	10.545	/	Pass
15	QPSK	2503.5	75	0	15.734	/	Pass
		2593	75	0	15.204	/	Pass
		2682.5	75	0	16.071	/	Pass
	16QAM	2503.5	75	0	17.043	/	Pass
		2593	75	0	15.458	/	Pass
		2680	75	0	15.458	/	Pass

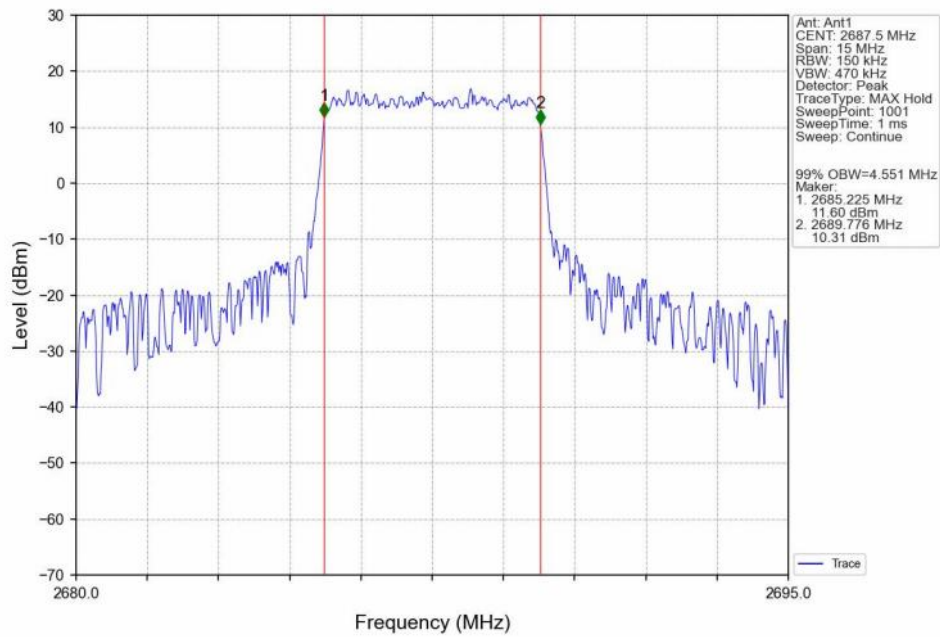
20	QPSK	2682.5	75	0	16.339	/	Pass
		2506	100	0	20.161	/	Pass
		2593	100	0	20.994	/	Pass
		2680	100	0	21.299	/	Pass
	16QAM	2506	100	0	20.339	/	Pass
		2593	100	0	20.856	/	Pass
		2680	100	0	20.464	/	Pass

4.2 Test Graph

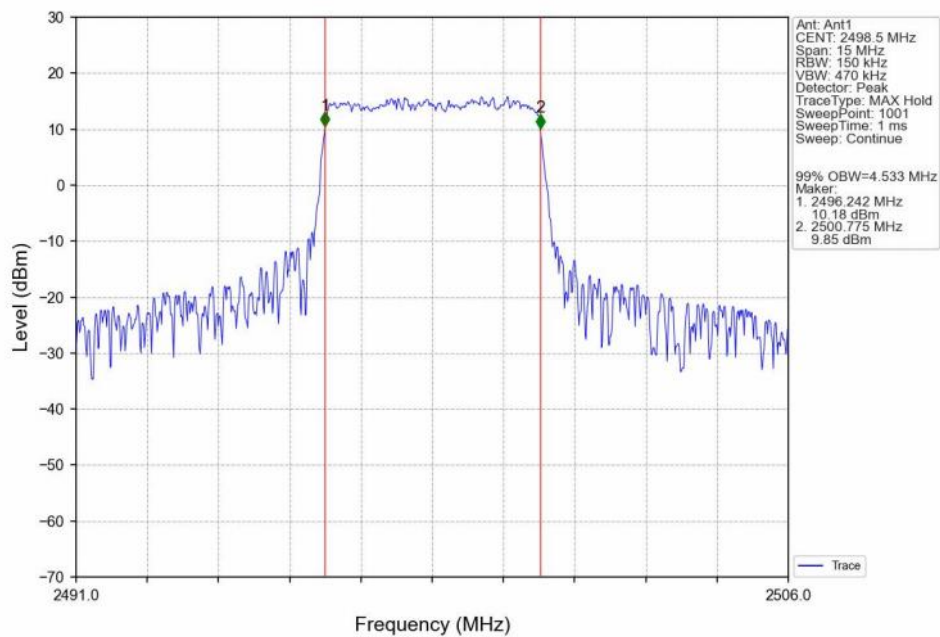
4.2.1 Band41_OBW



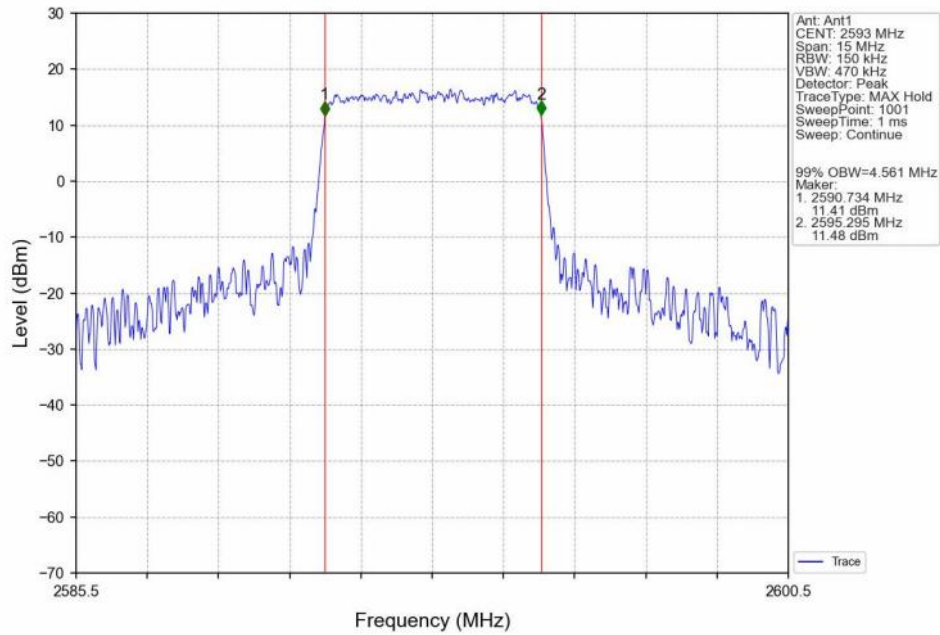
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



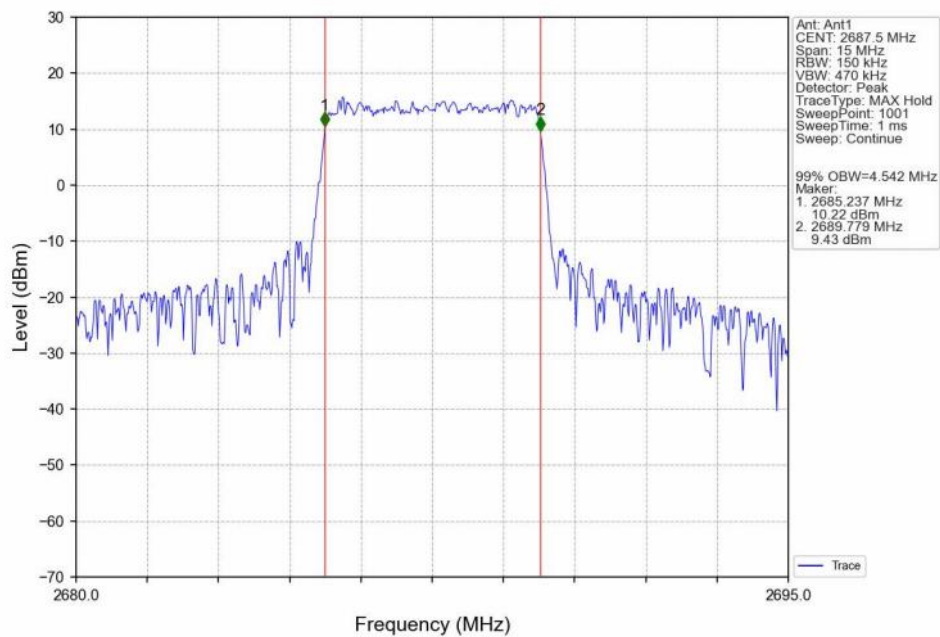
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



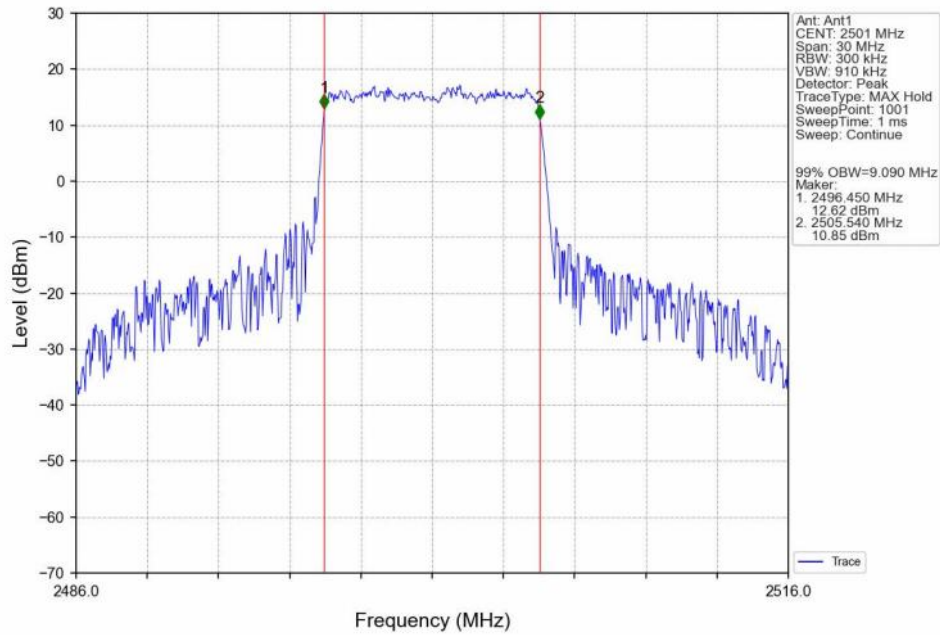
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



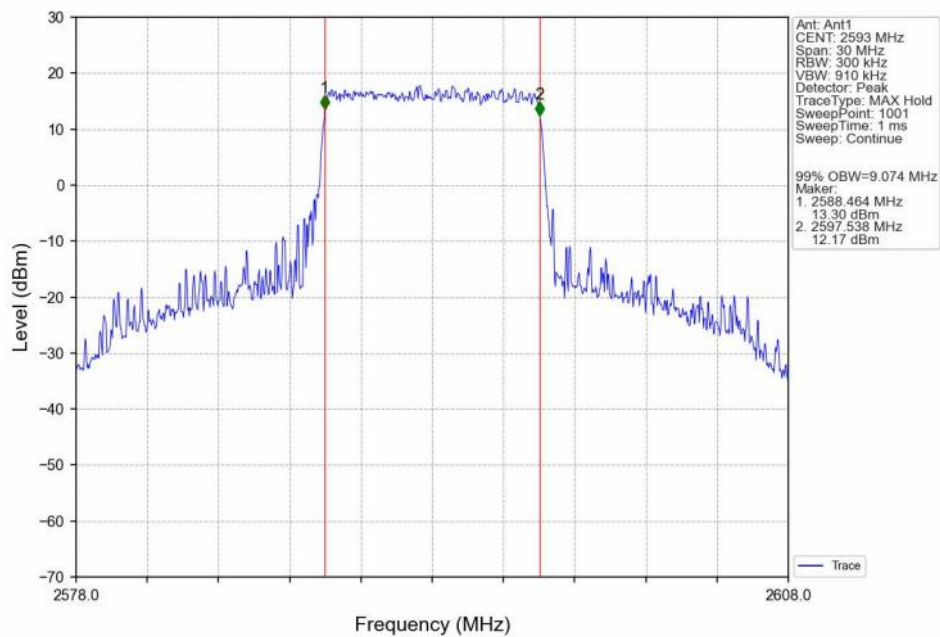
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



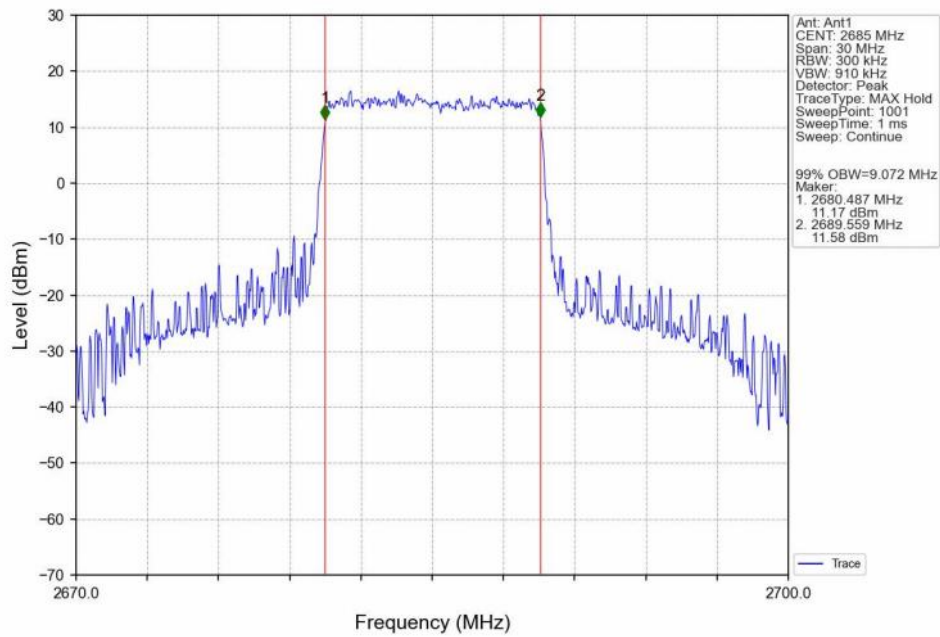
Band41 10MHz QPSK LCH 2501MHz RB 50 0 NTNV



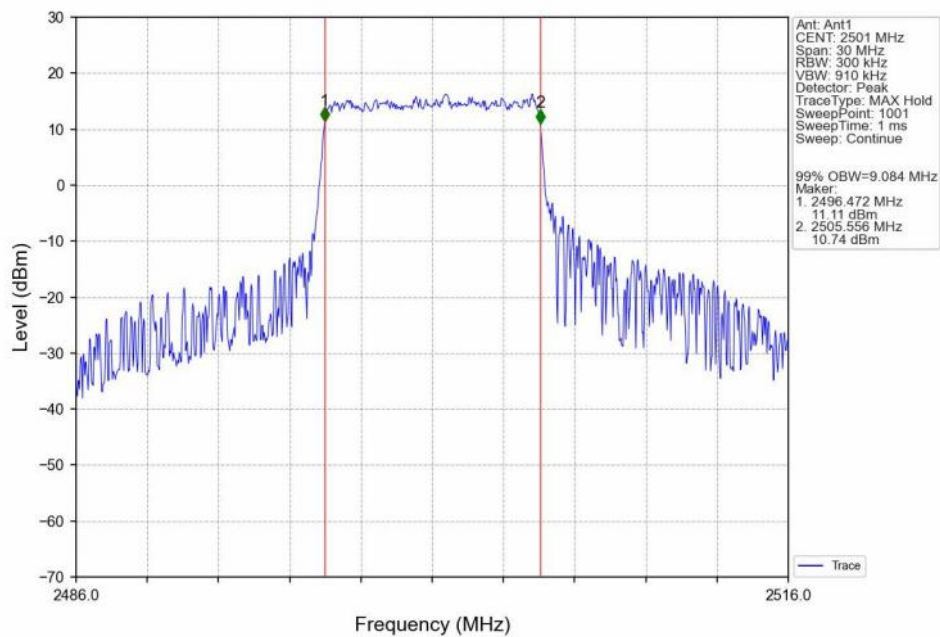
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



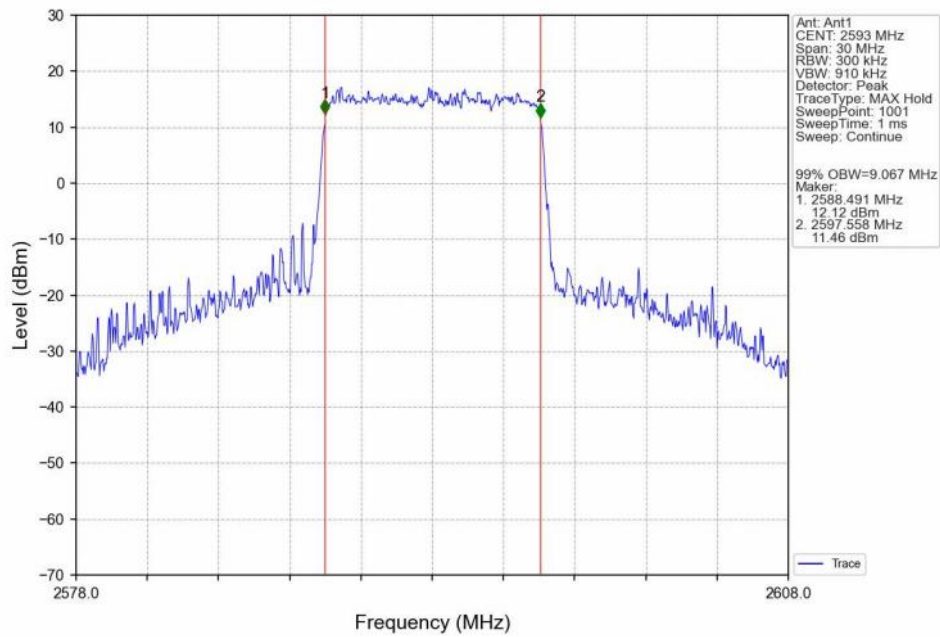
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



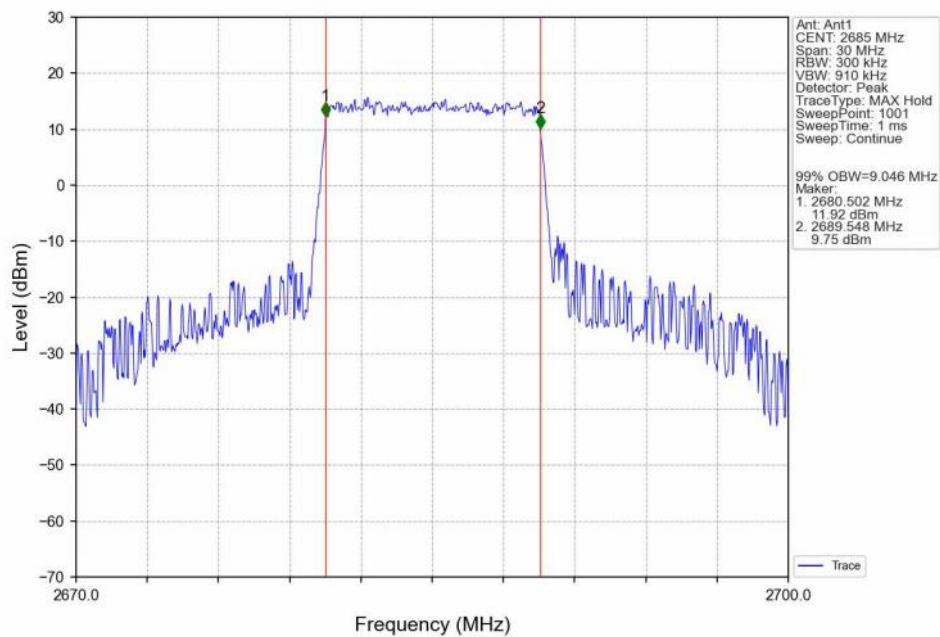
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



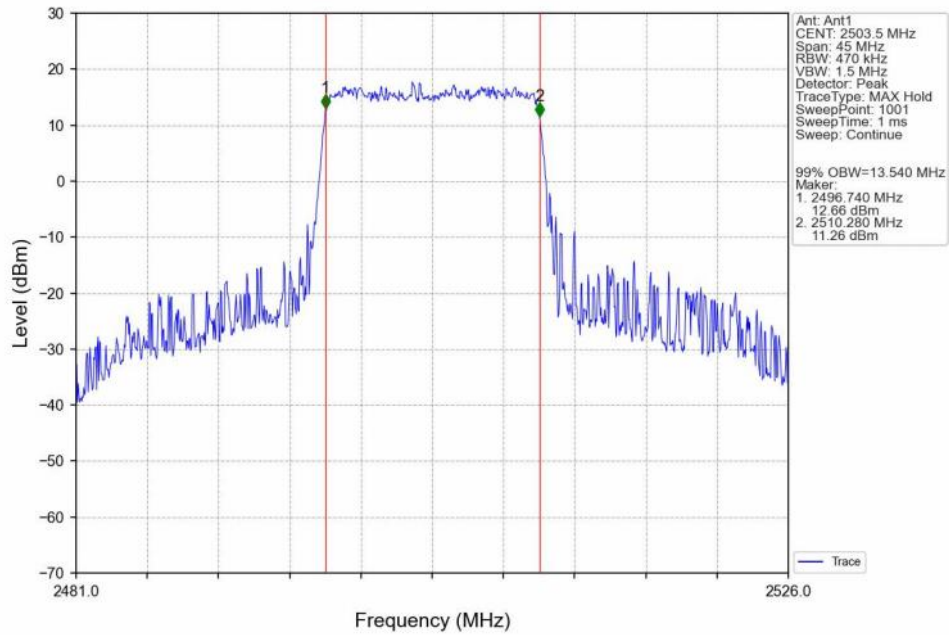
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



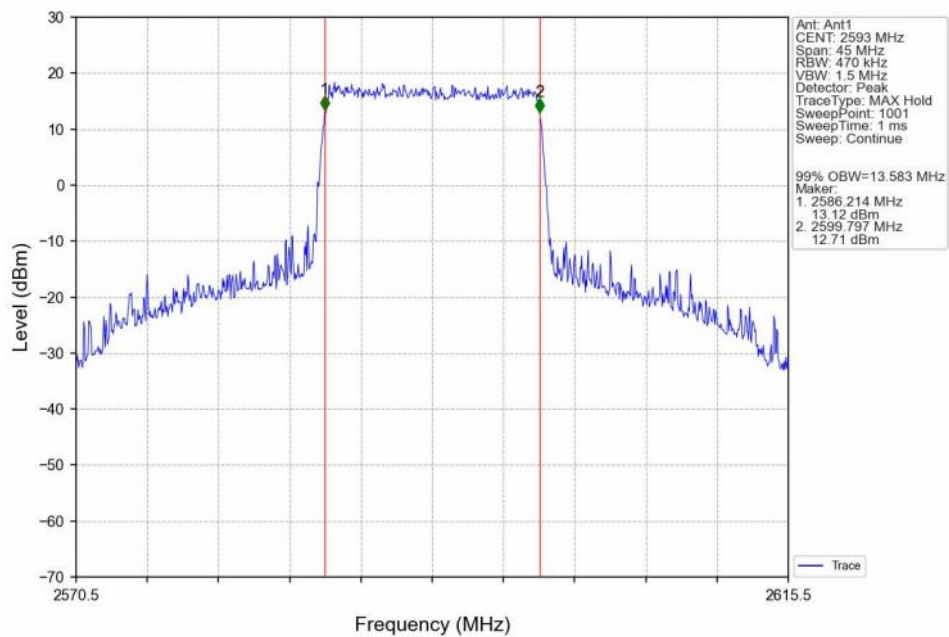
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



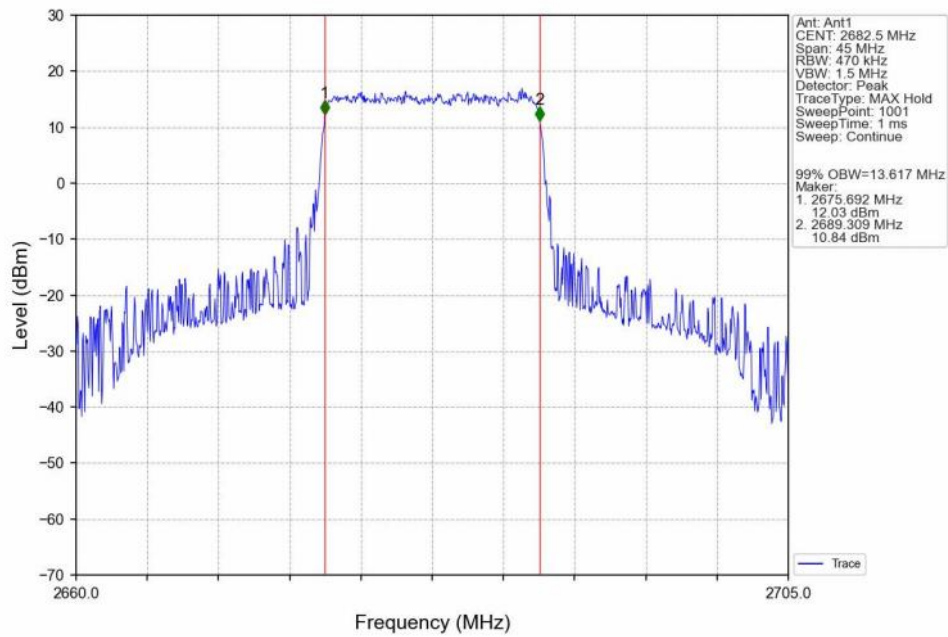
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



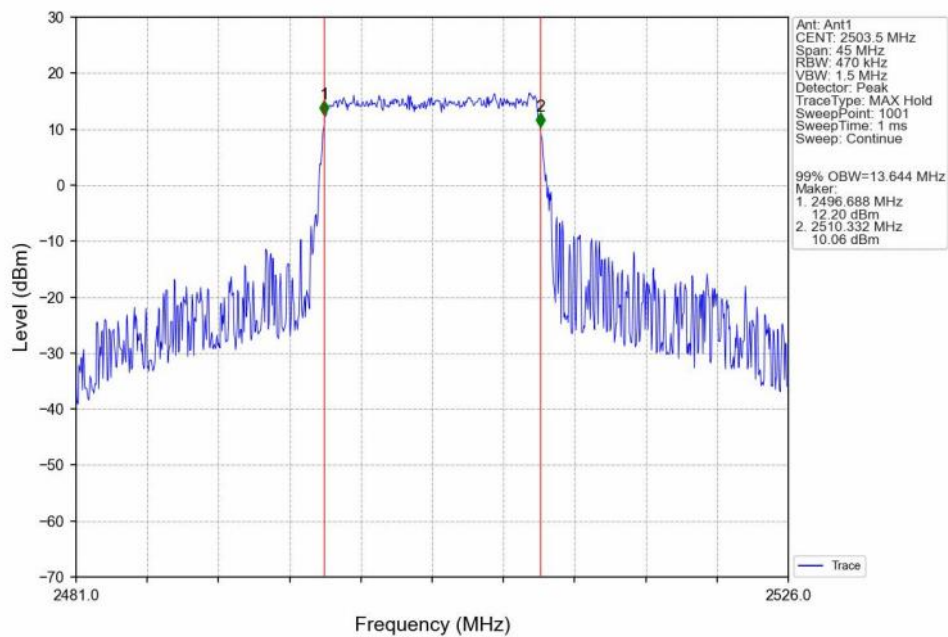
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



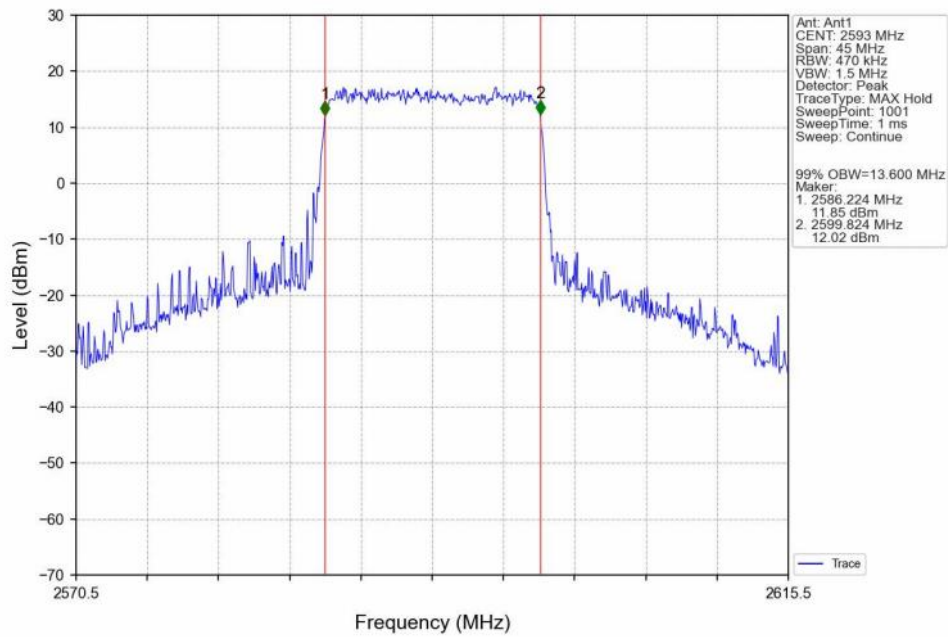
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



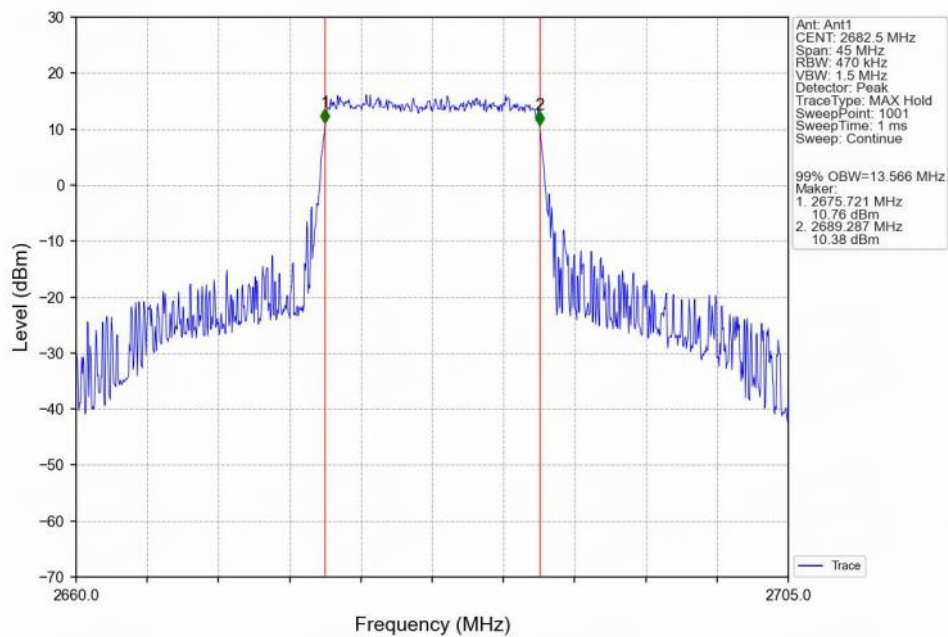
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV



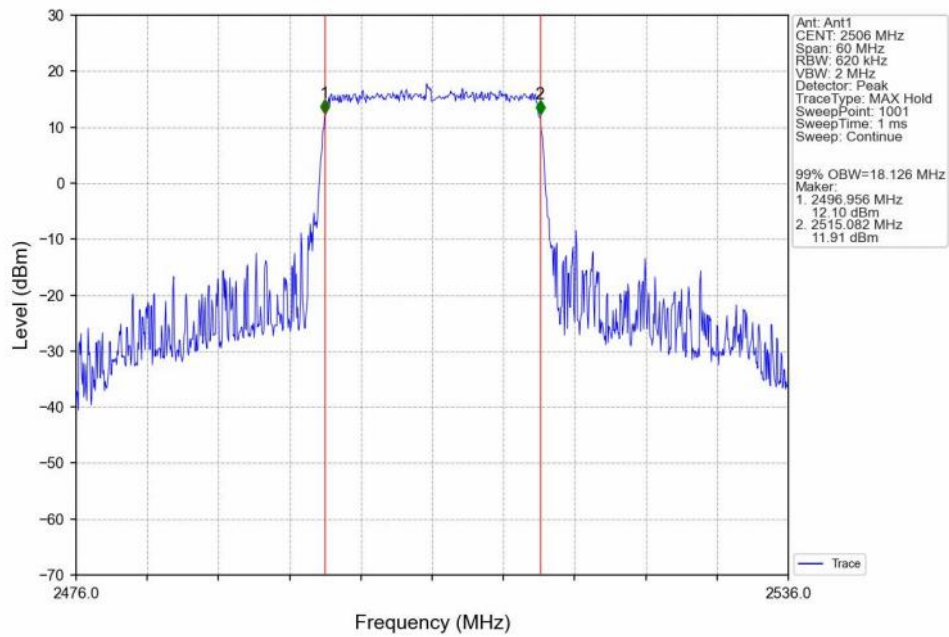
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



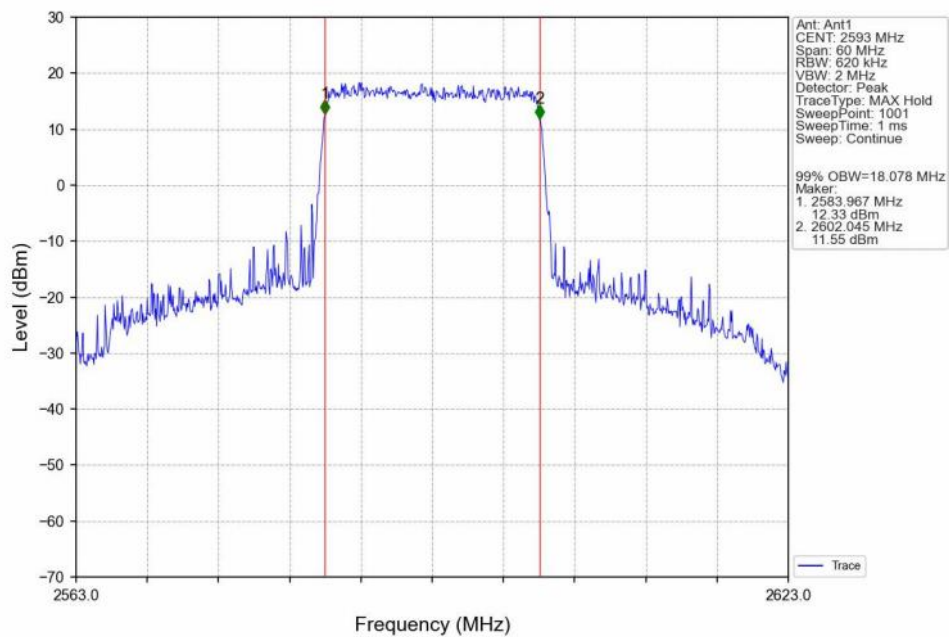
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



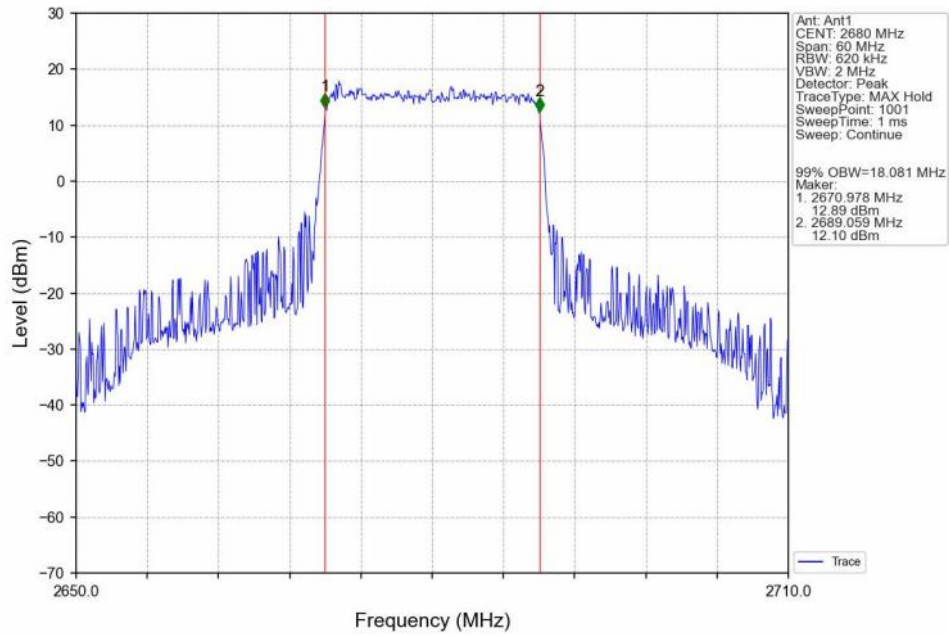
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



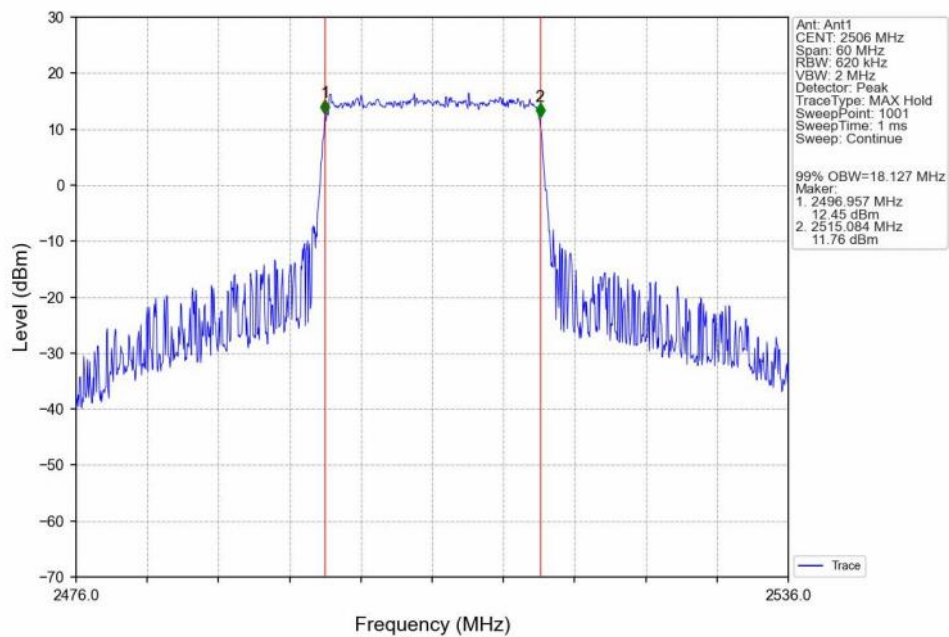
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



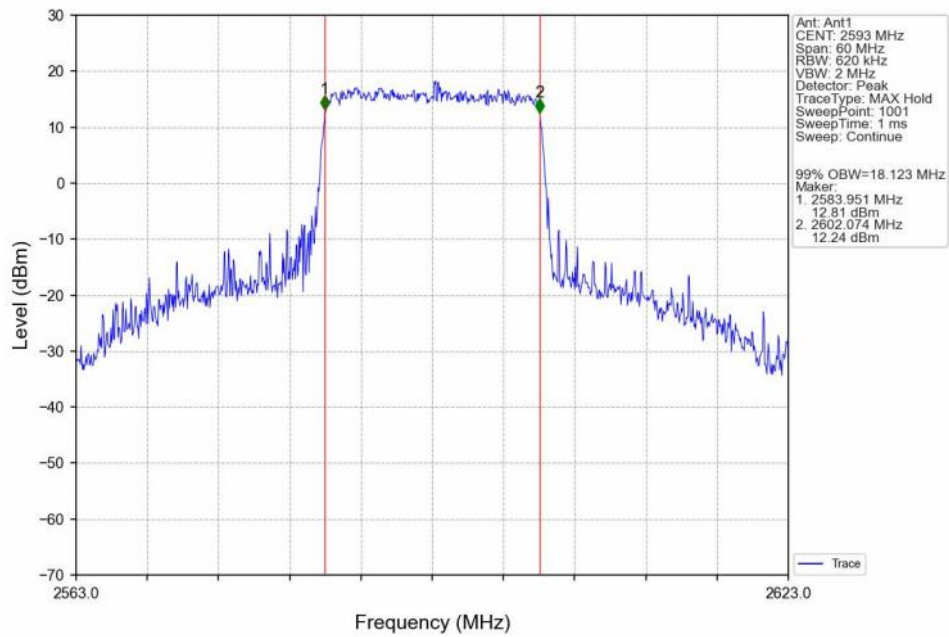
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



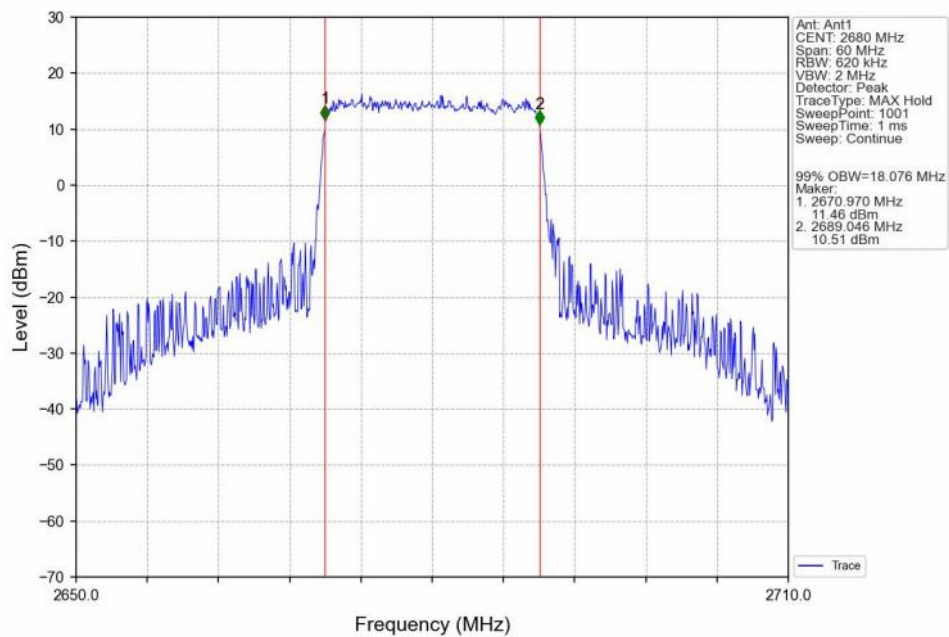
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



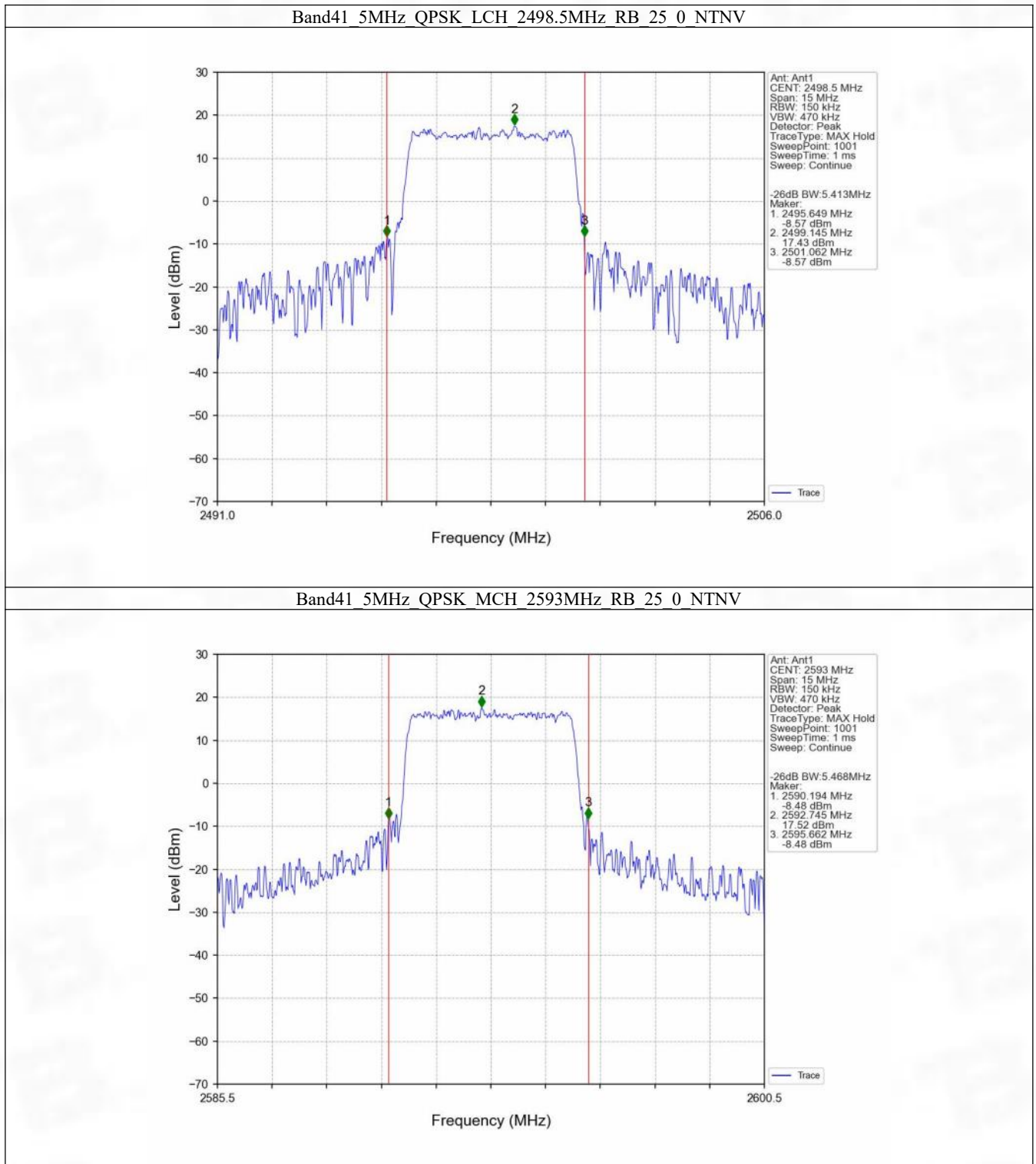
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



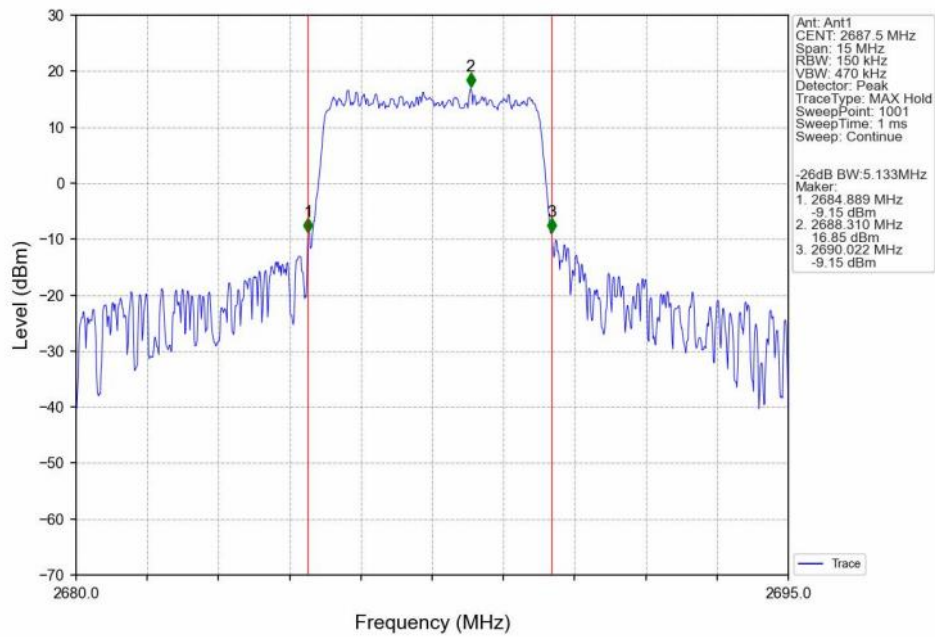
Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



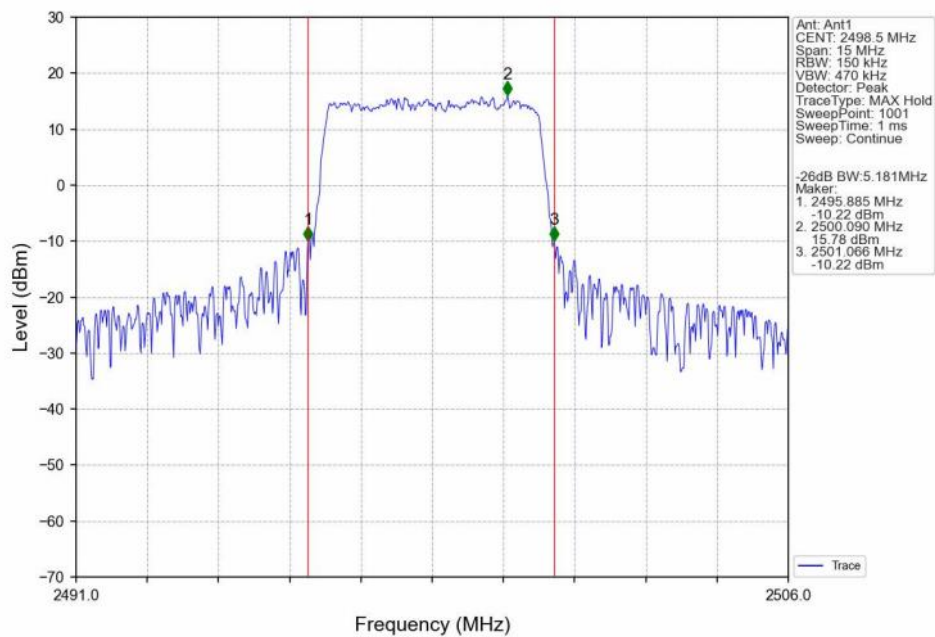
4.2.2 Band41_XDB



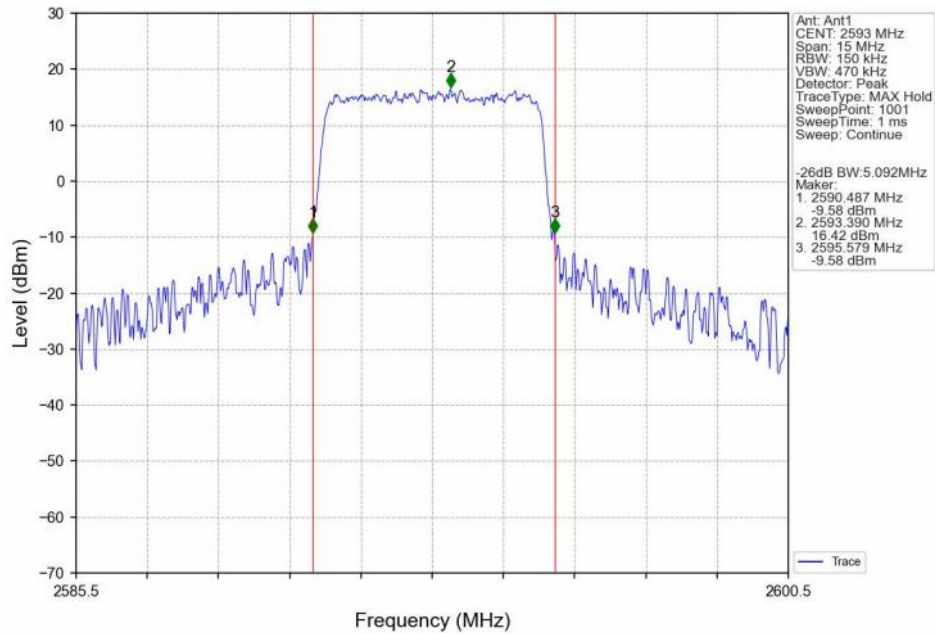
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



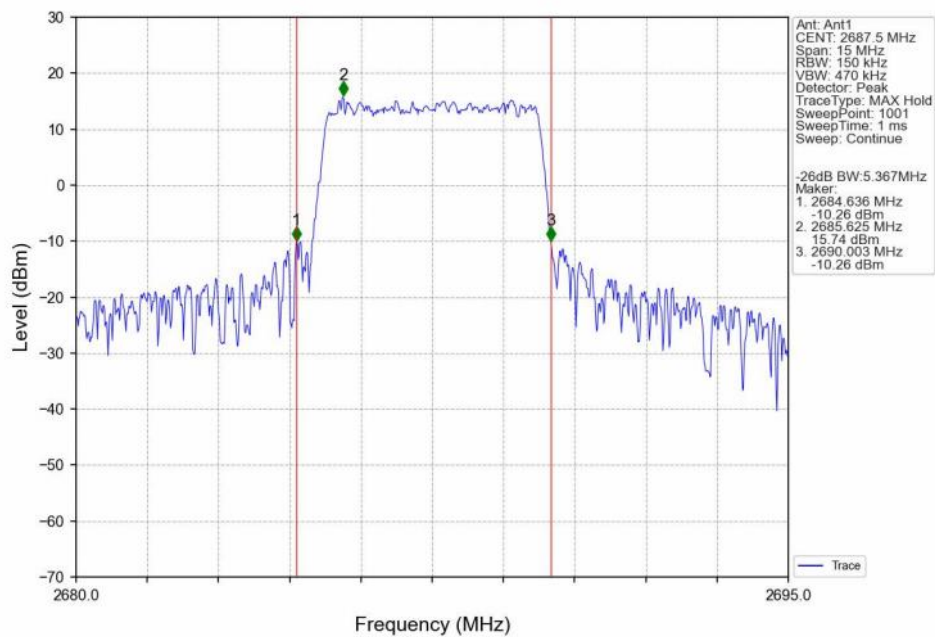
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



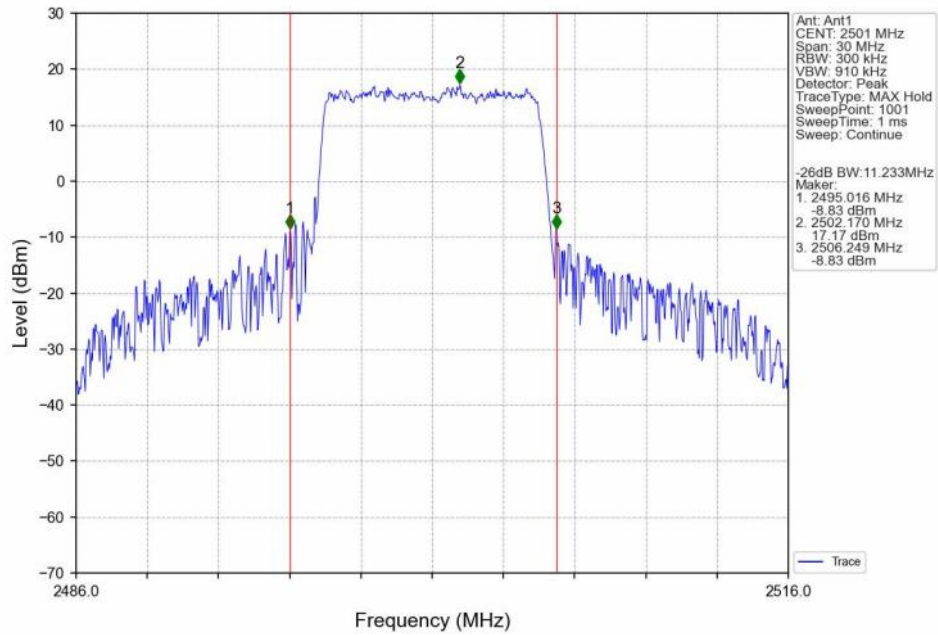
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



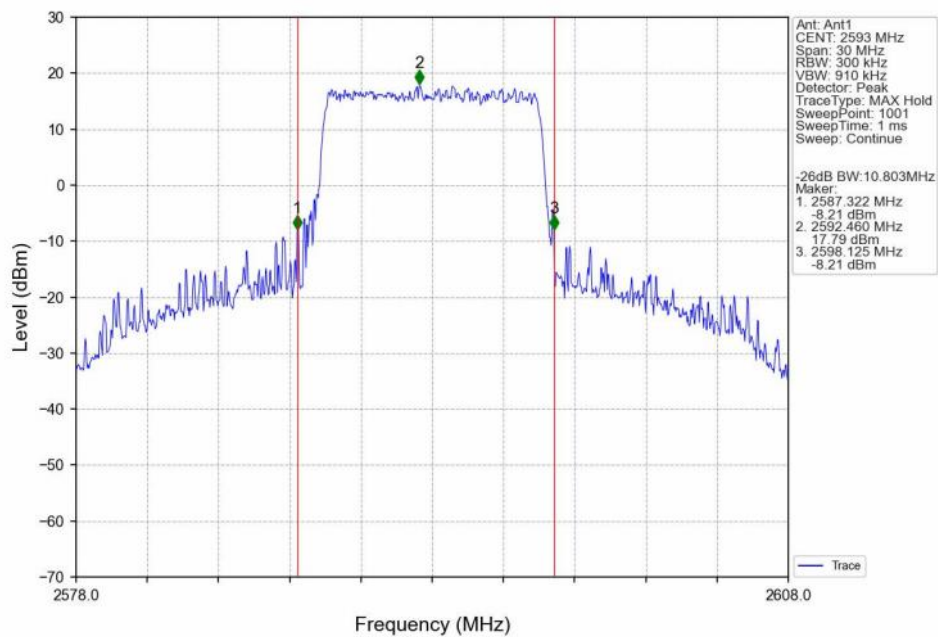
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



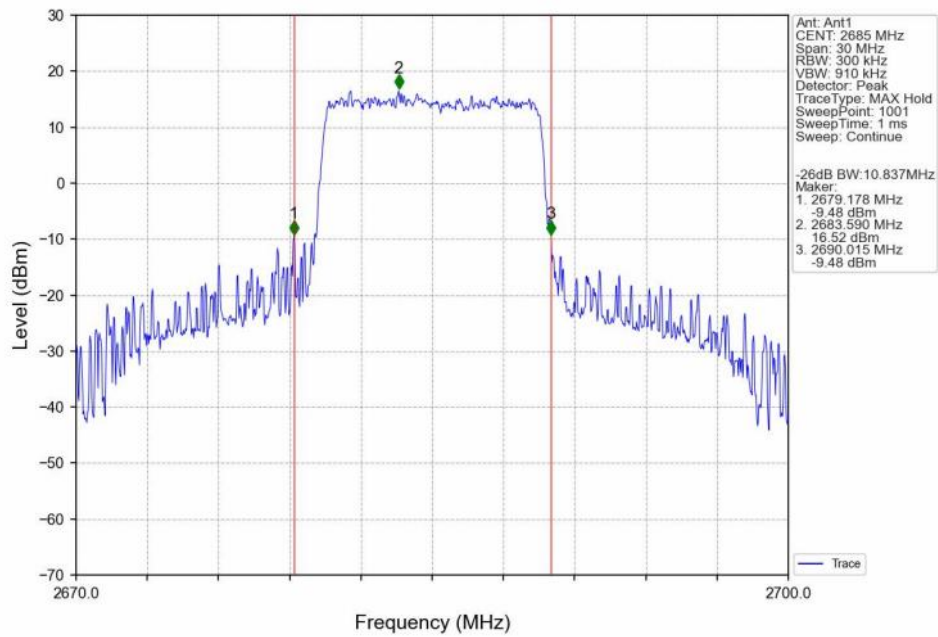
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



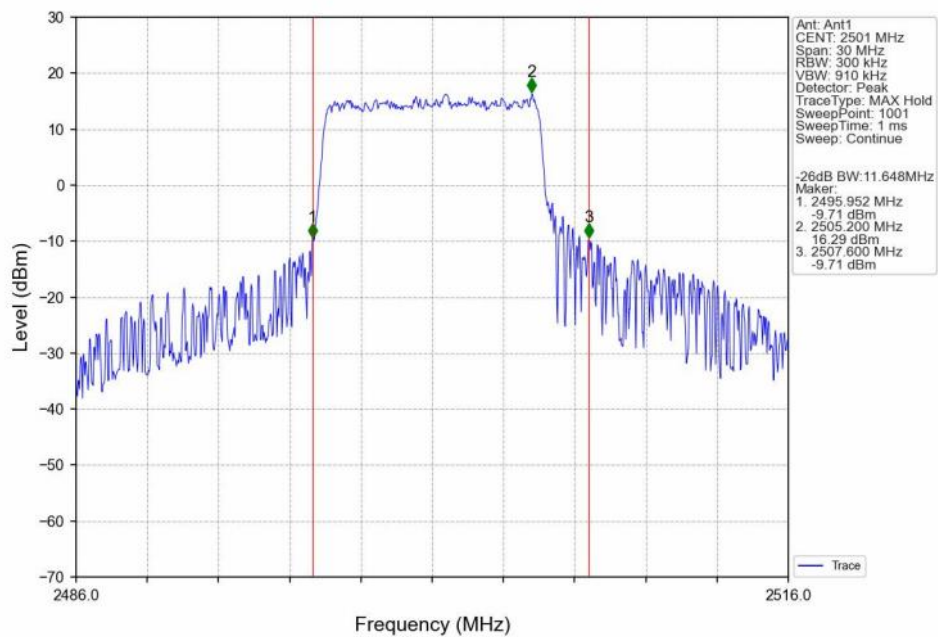
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



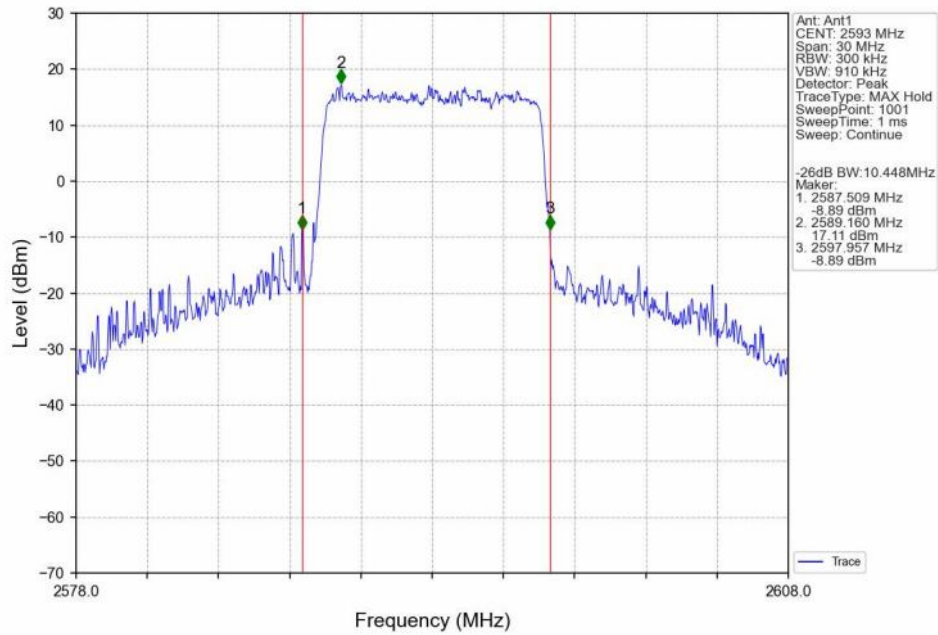
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



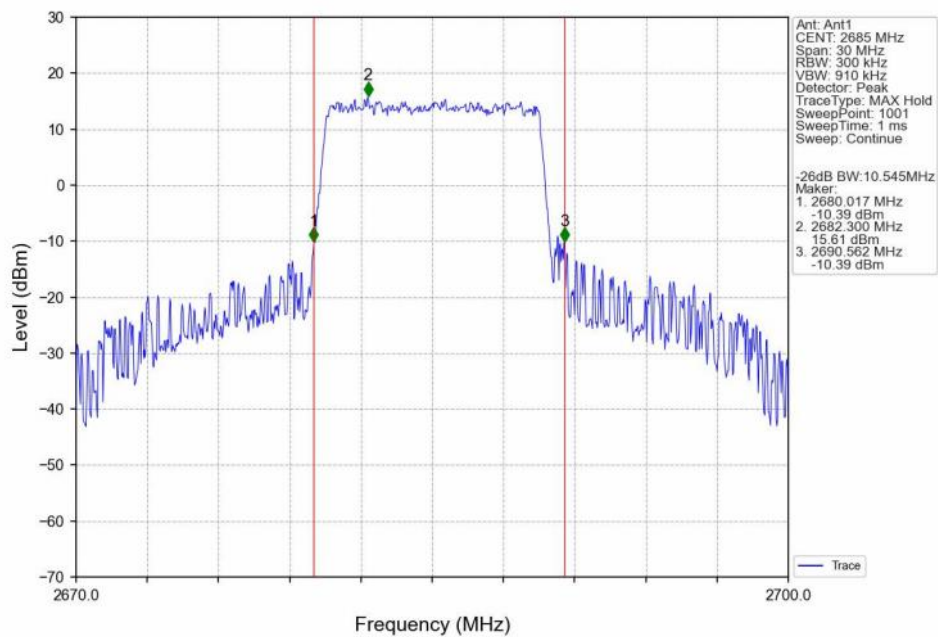
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



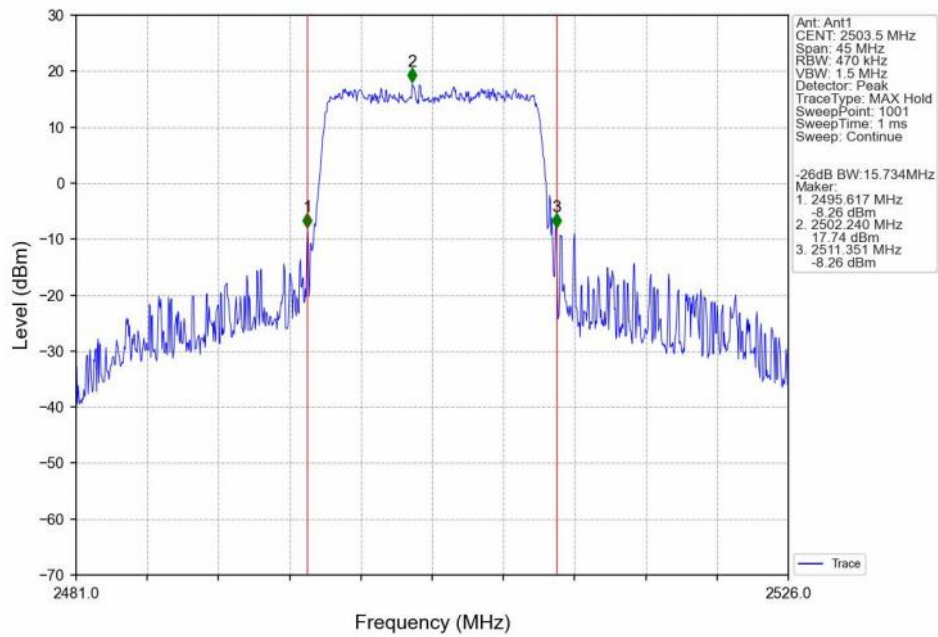
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



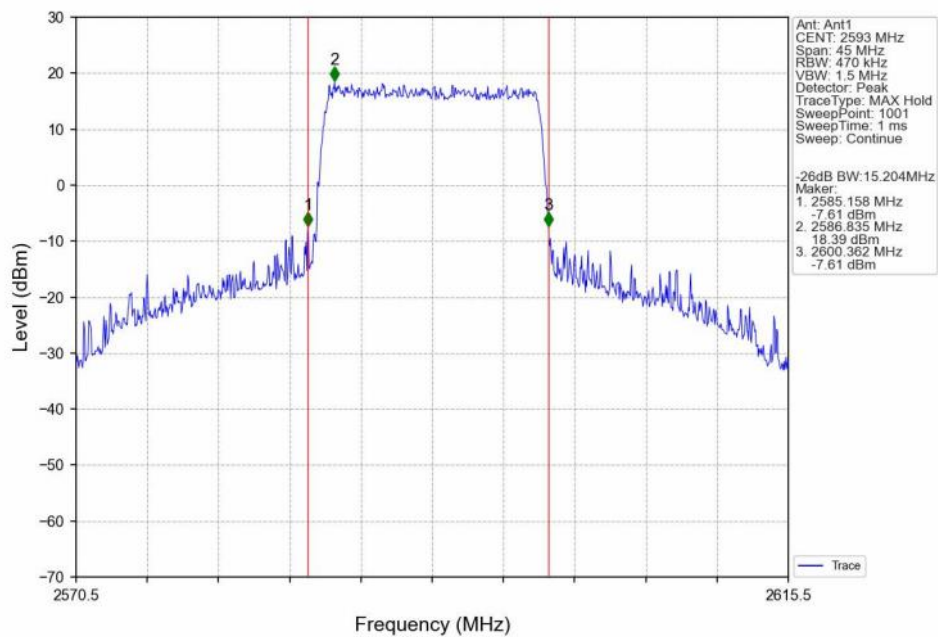
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



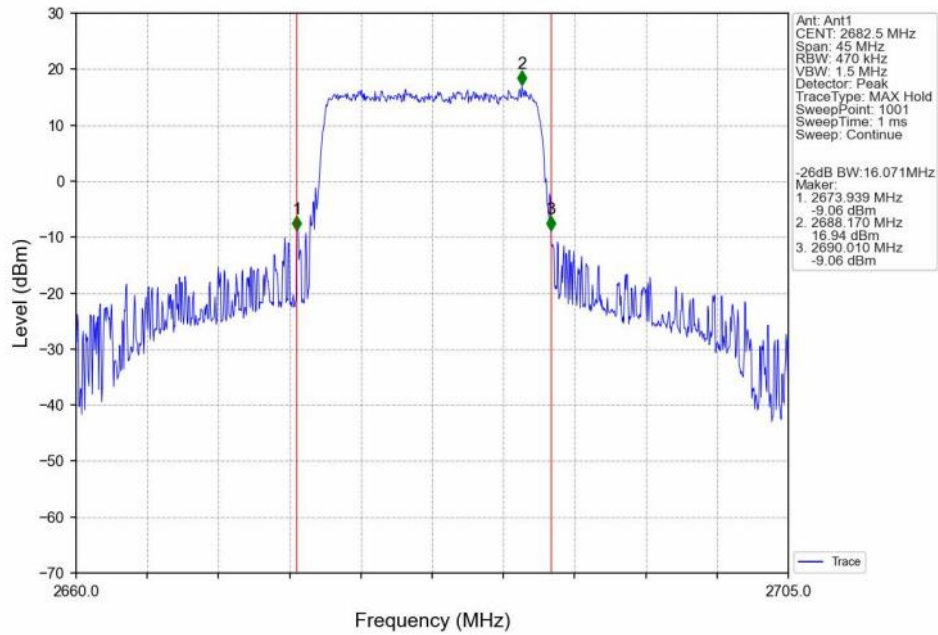
Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



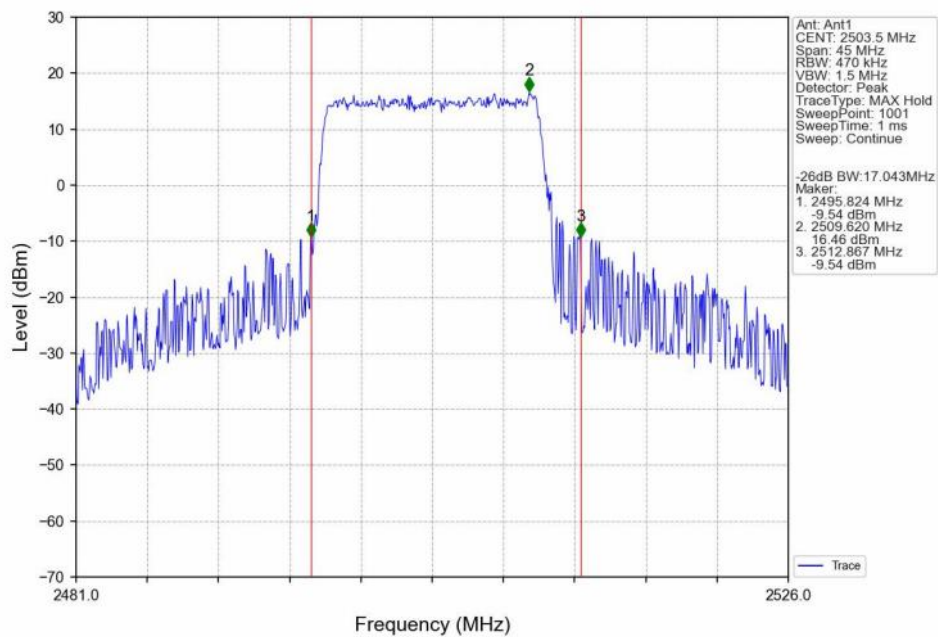
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



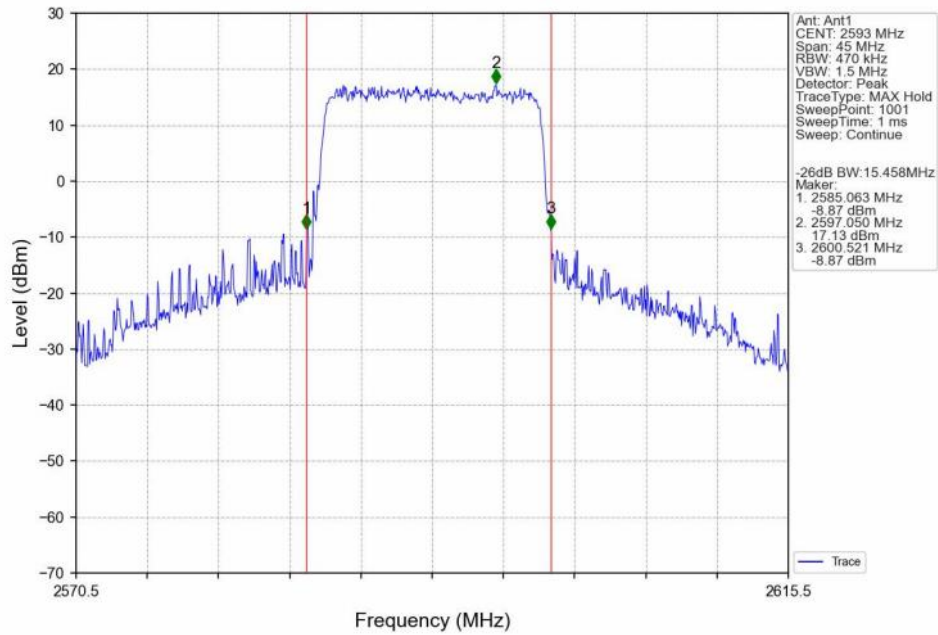
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



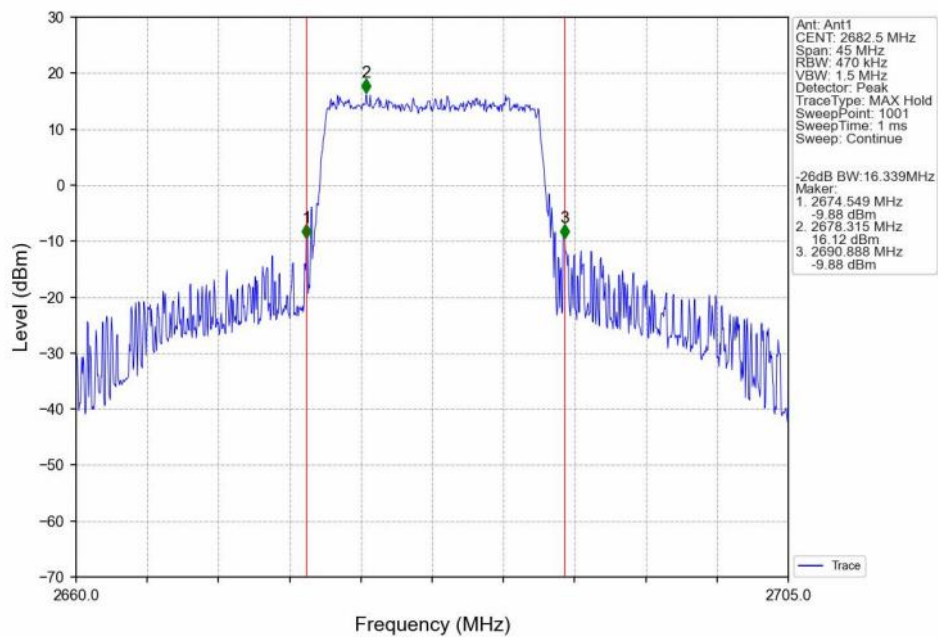
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



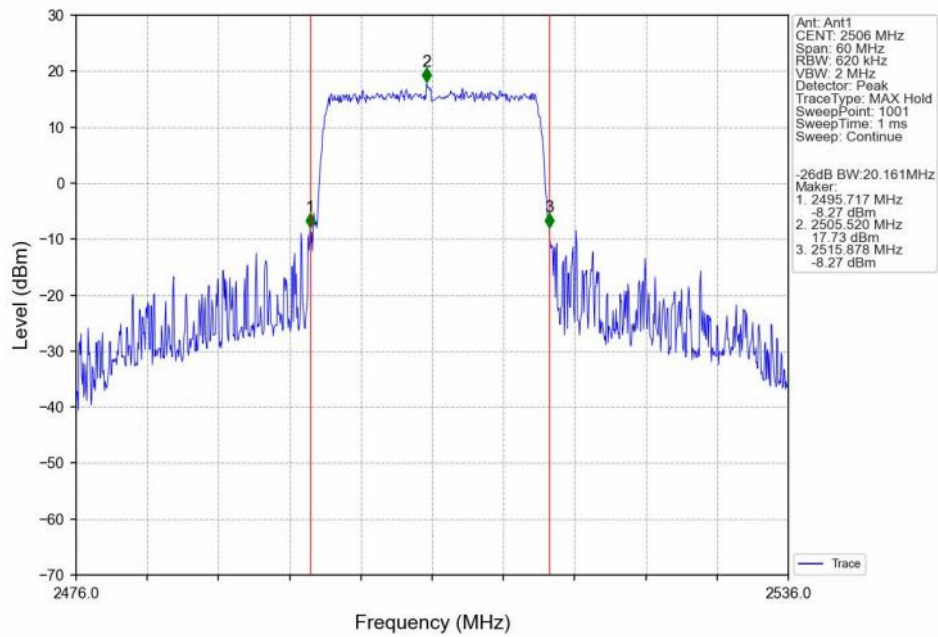
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



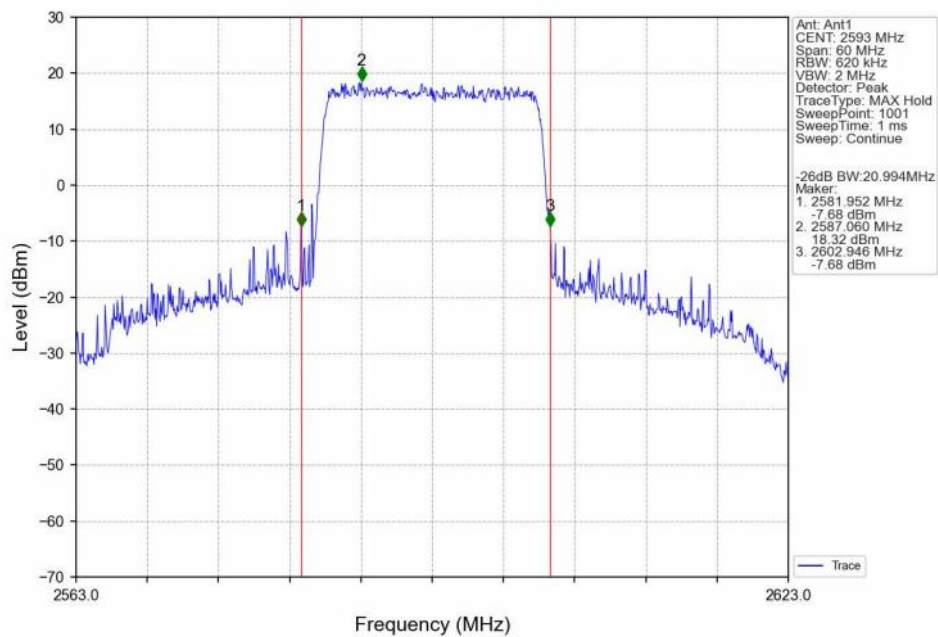
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTNV



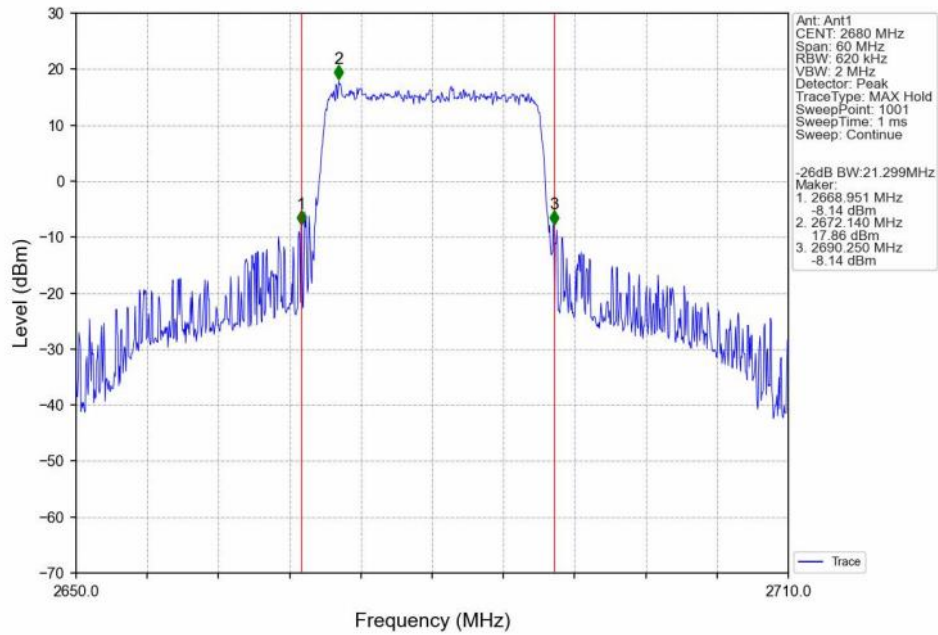
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



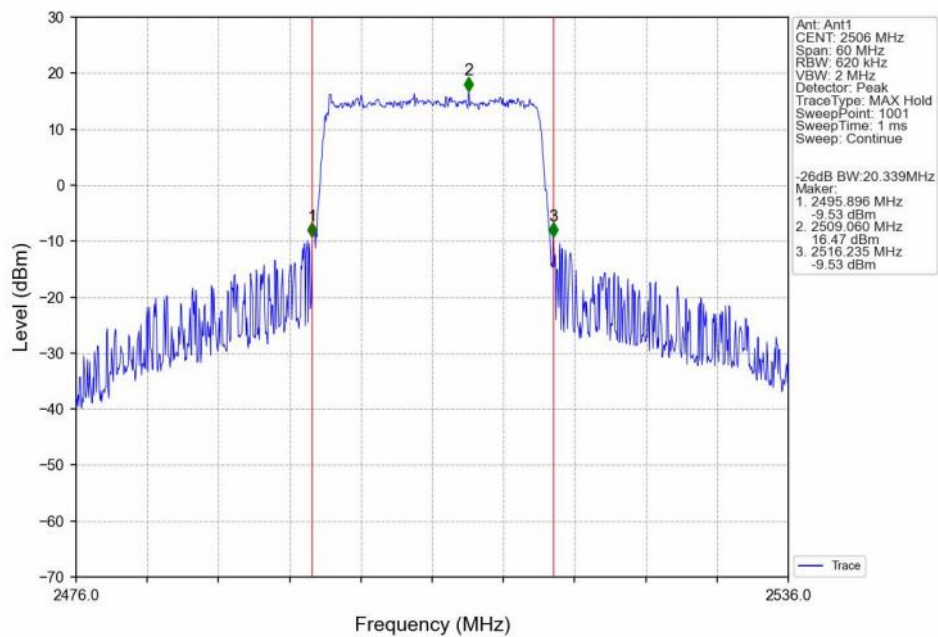
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



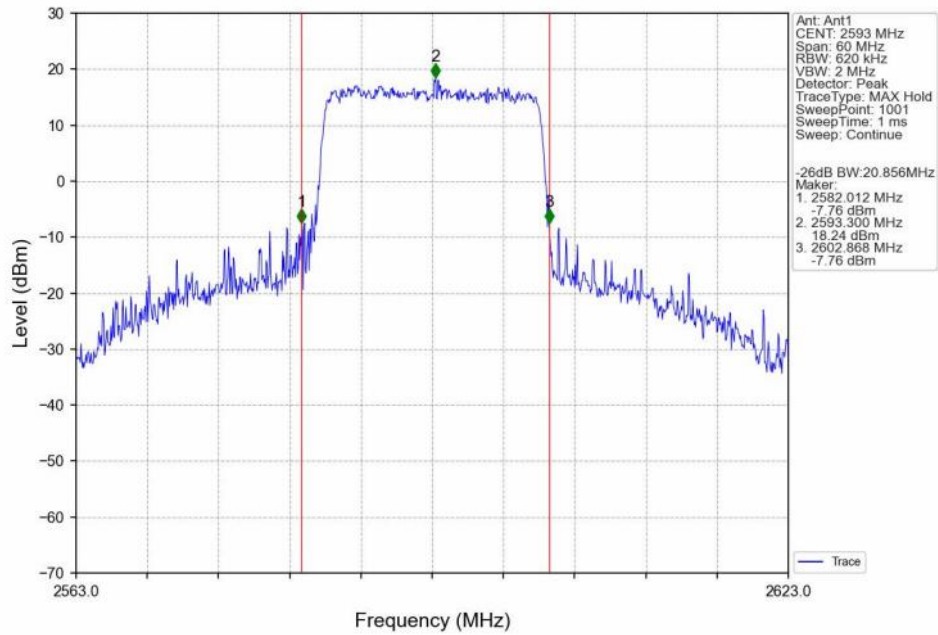
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



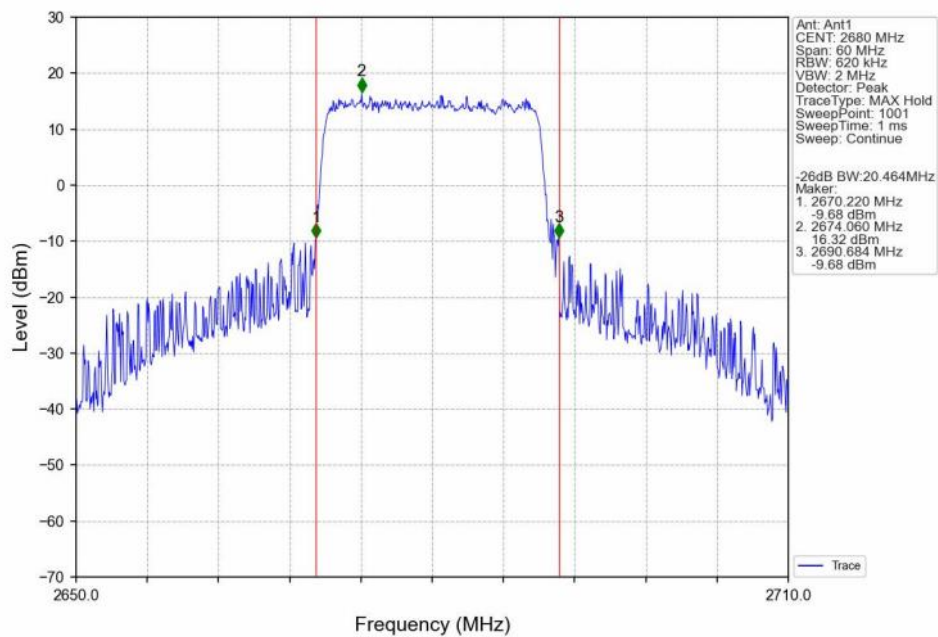
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



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	7.60	<=13	Pass
	2593	25	0	7.26	<=13	Pass
	2687.5	25	0	7.53	<=13	Pass
16QAM	2498.5	25	0	8.19	<=13	Pass
	2593	25	0	7.84	<=13	Pass
	2687.5	25	0	8.17	<=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	7.42	<=13	Pass
	2593	50	0	7.24	<=13	Pass
	2685	50	0	7.39	<=13	Pass
16QAM	2501	50	0	8.02	<=13	Pass
	2593	50	0	7.85	<=13	Pass
	2685	50	0	8.18	<=13	Pass

5.1.3 B41_15MHz

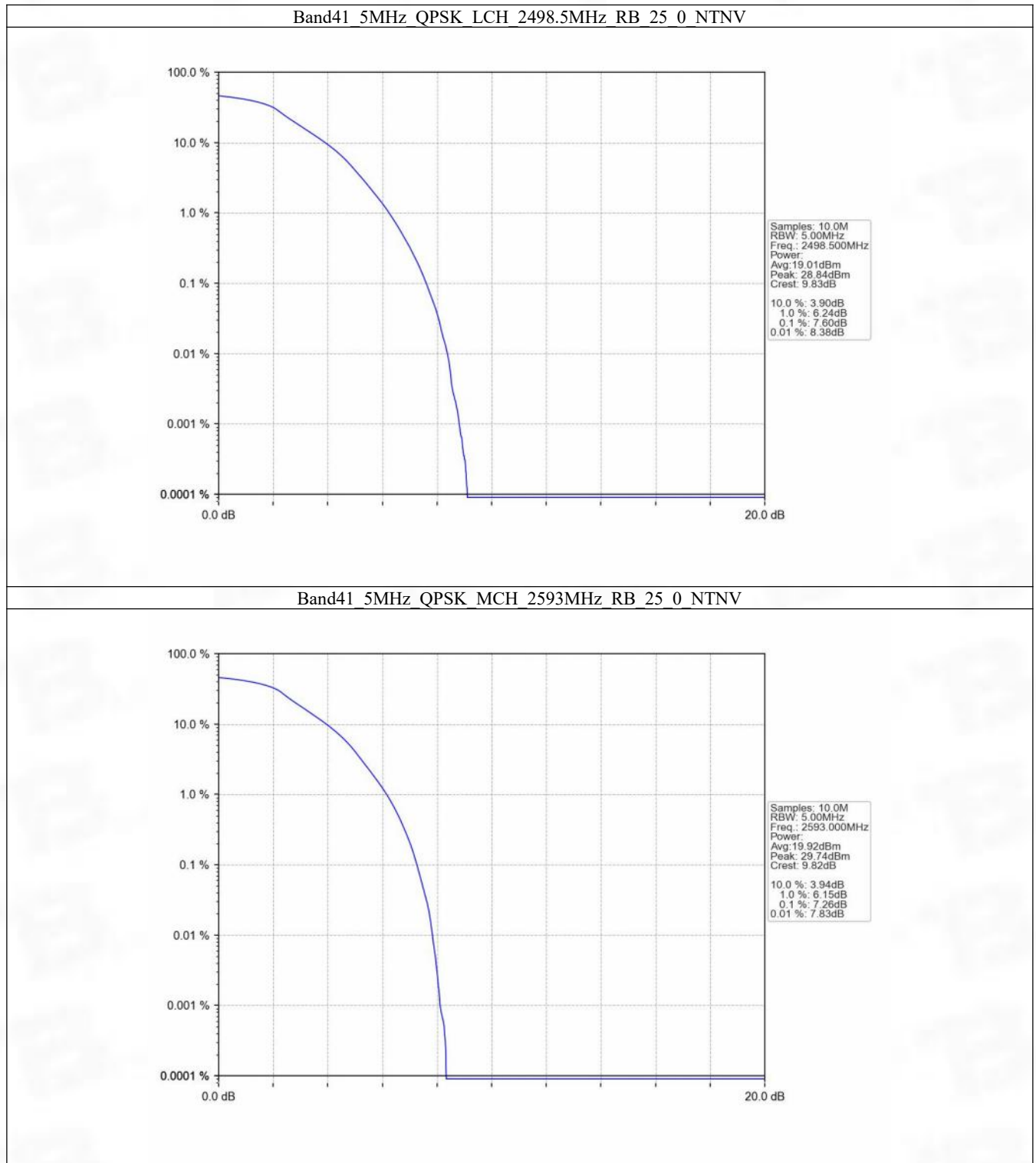
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.65	<=13	Pass
	2593	75	0	7.16	<=13	Pass
	2682.5	75	0	7.57	<=13	Pass
16QAM	2503.5	75	0	8.35	<=13	Pass
	2593	75	0	7.88	<=13	Pass
	2682.5	75	0	8.01	<=13	Pass

5.1.4 B41_20MHz

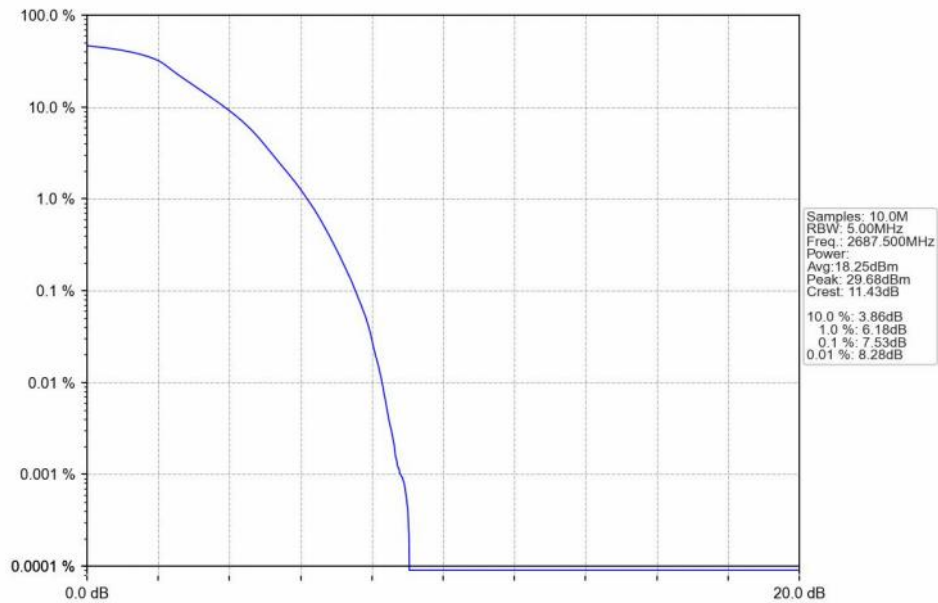
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.68	<=13	Pass
	2593	100	0	7.32	<=13	Pass
	2680	100	0	7.34	<=13	Pass
16QAM	2506	100	0	8.15	<=13	Pass
	2593	100	0	7.74	<=13	Pass
	2680	100	0	8.21	<=13	Pass

5.2 Test Graph

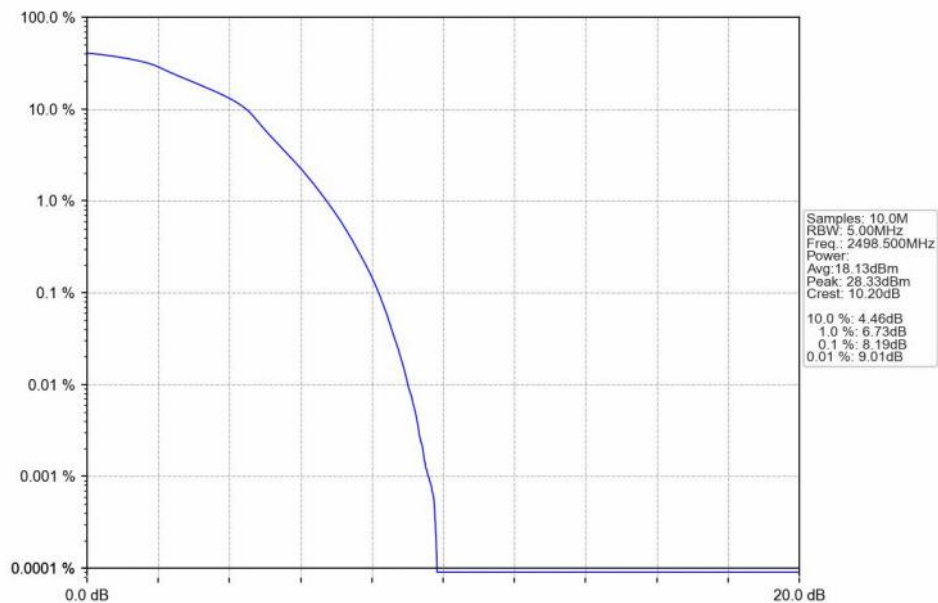
5.2.1 B41_5MHz



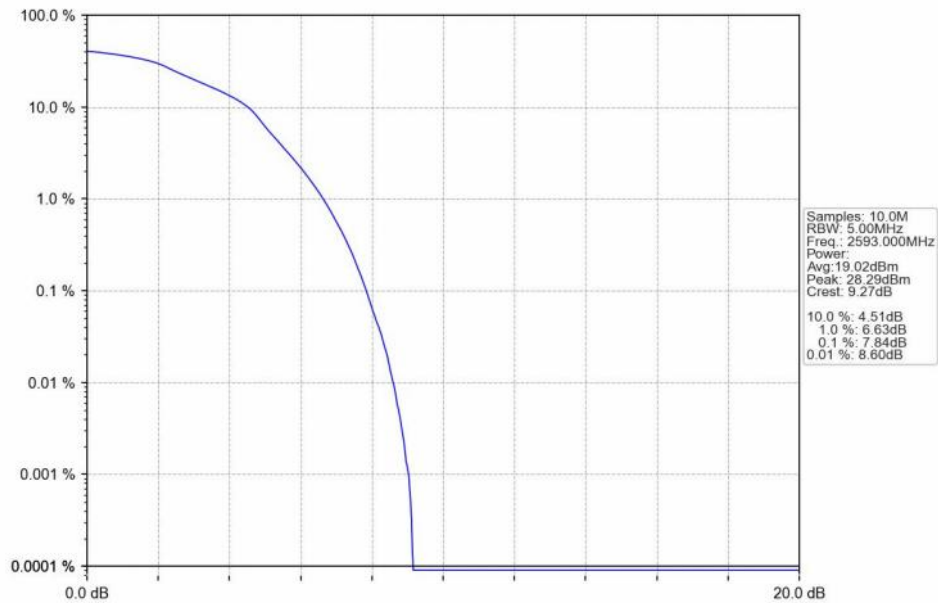
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



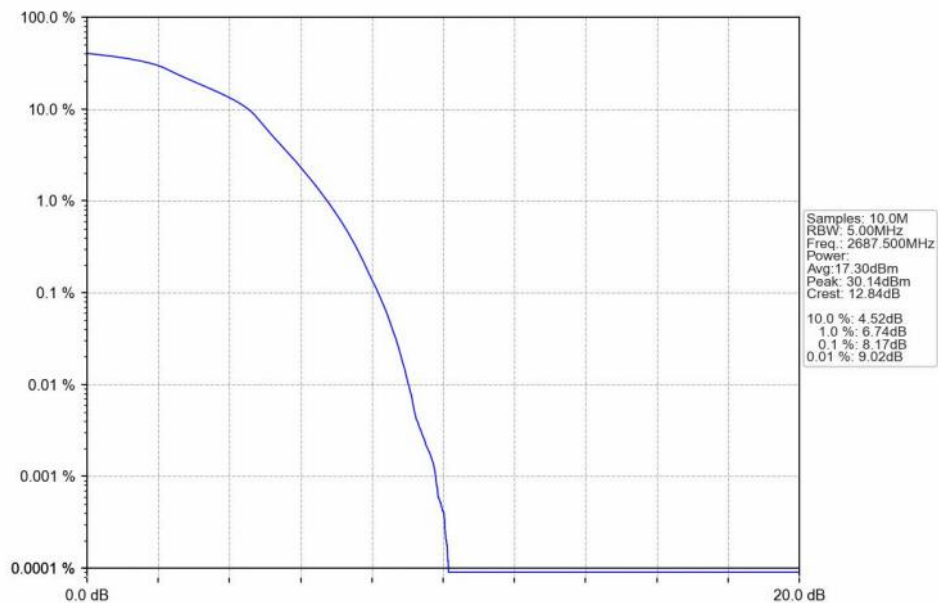
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



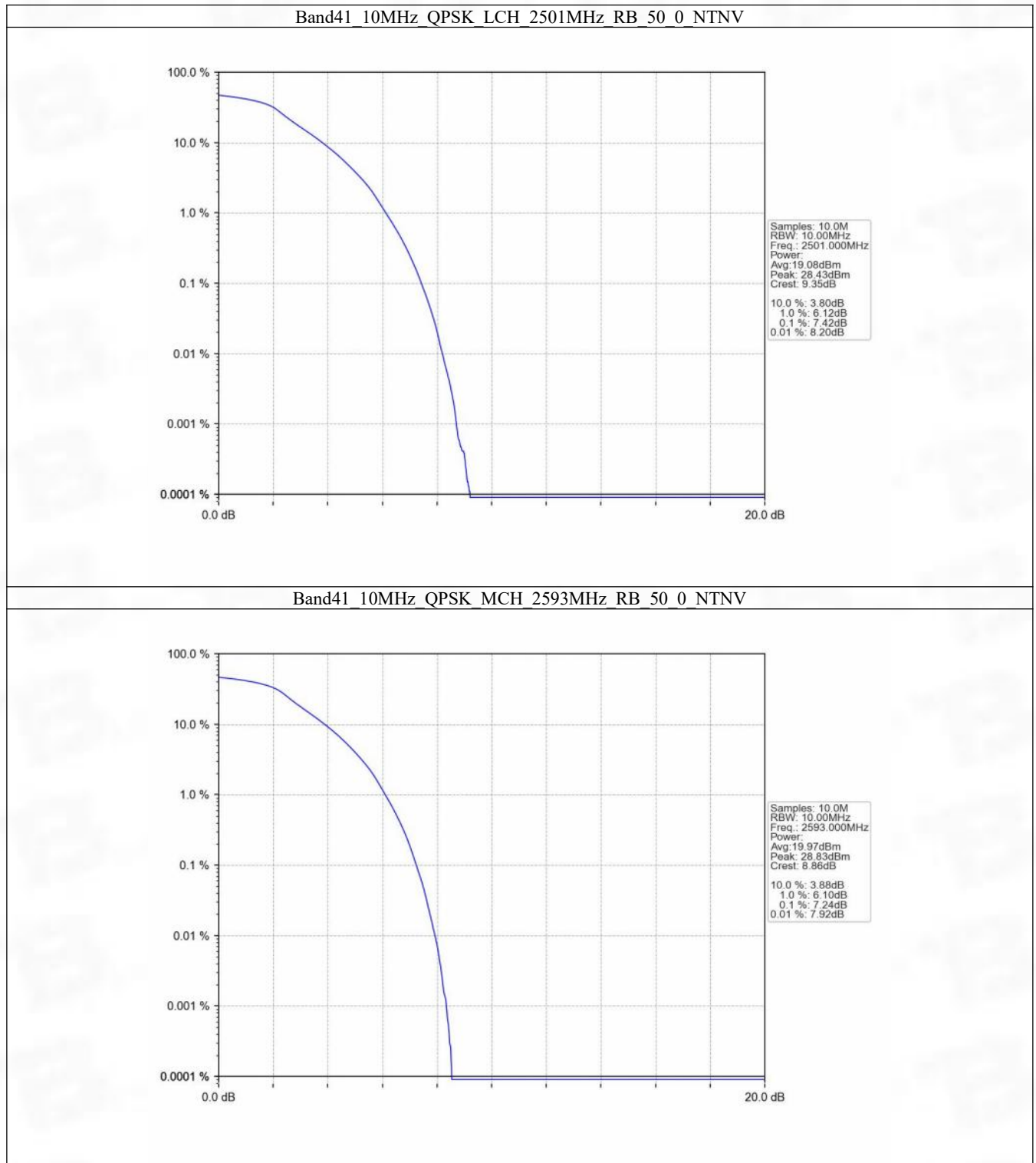
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



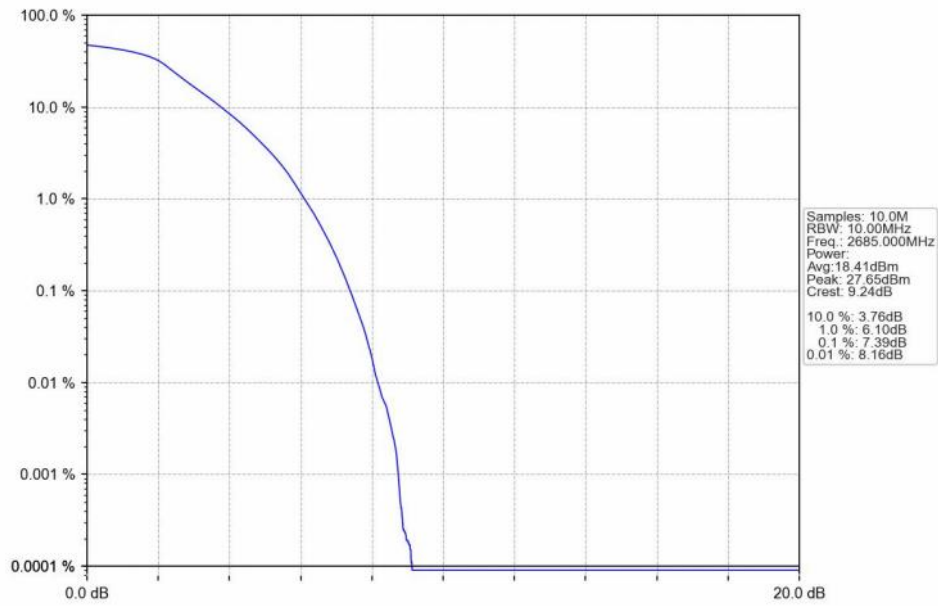
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



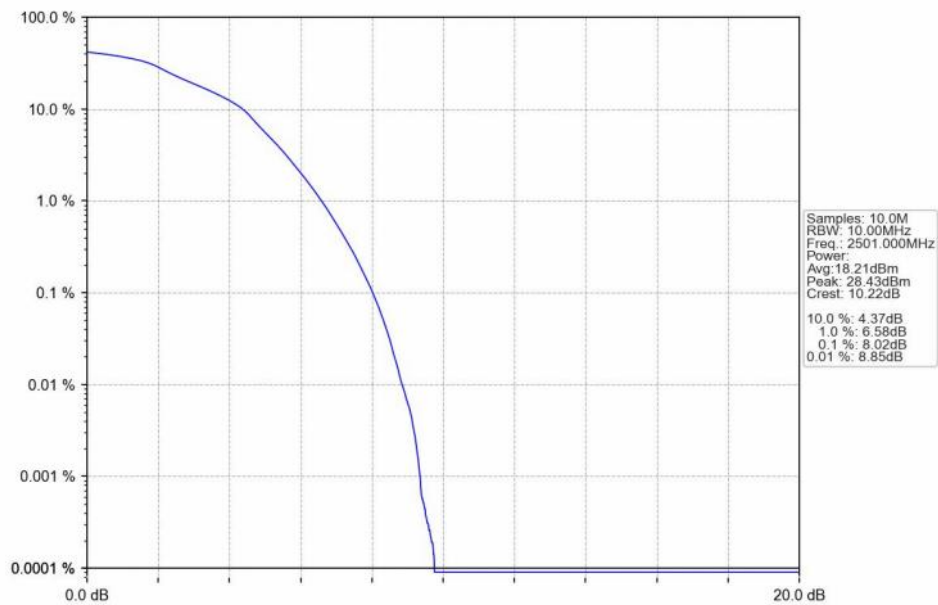
5.2.2 B41_10MHz



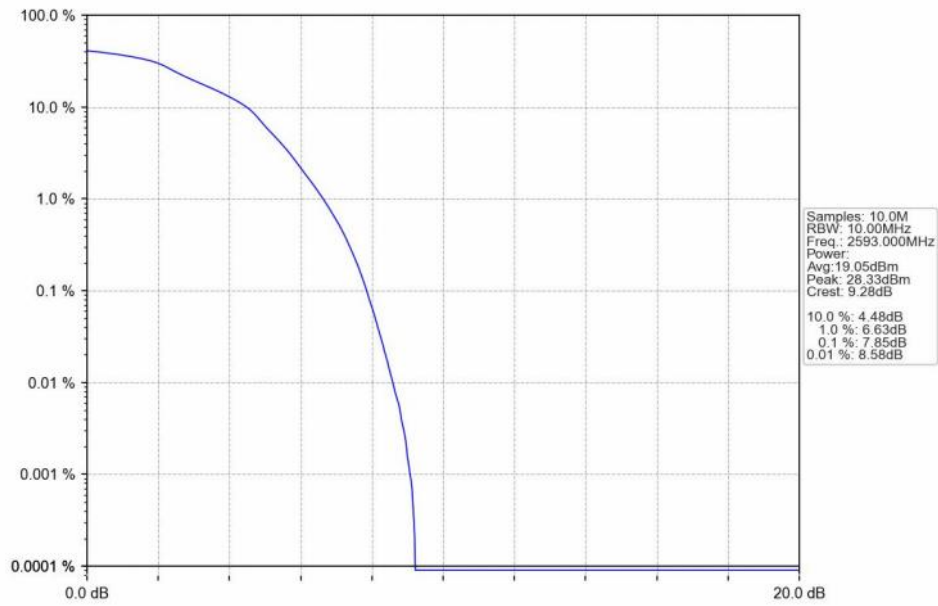
Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV



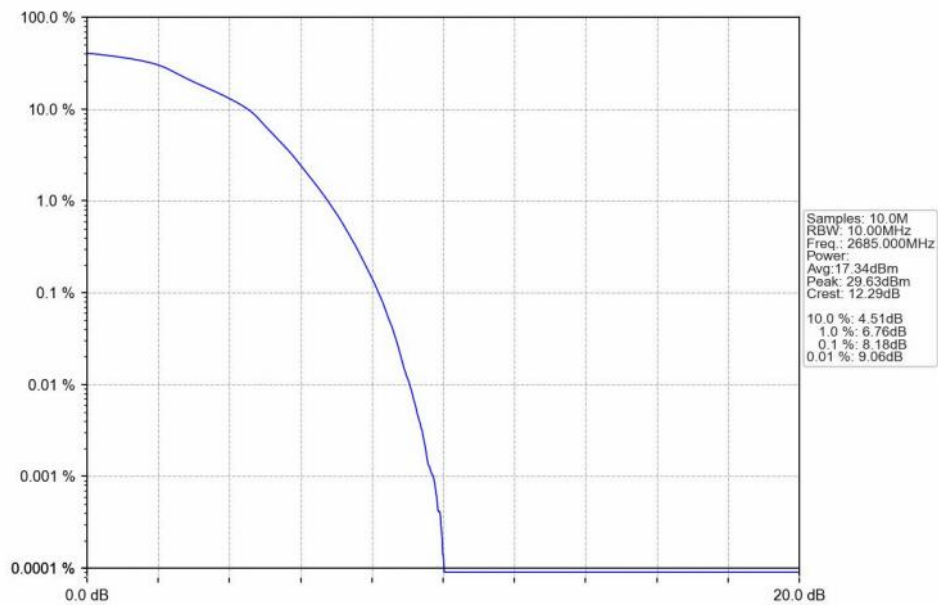
Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTNV



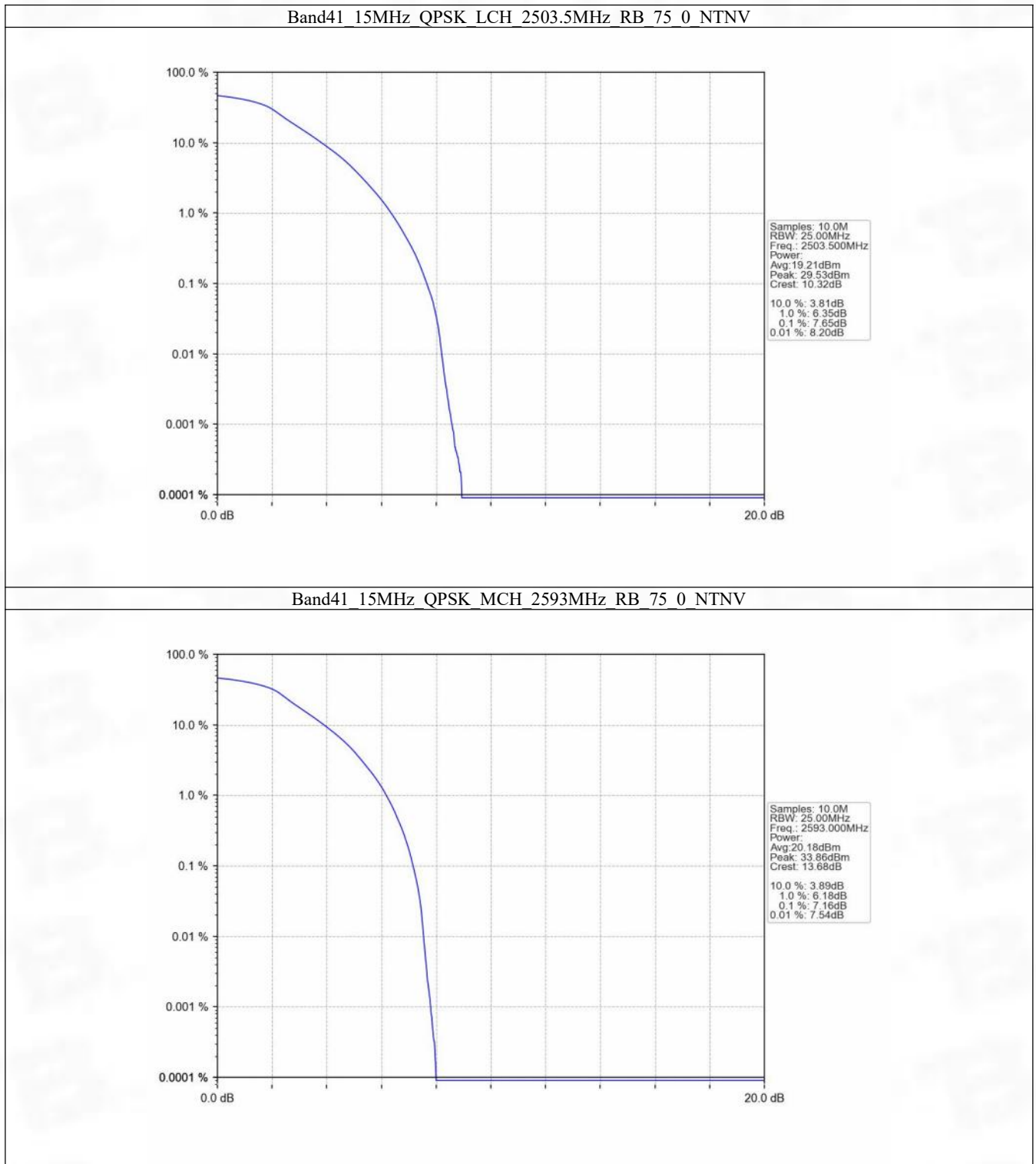
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



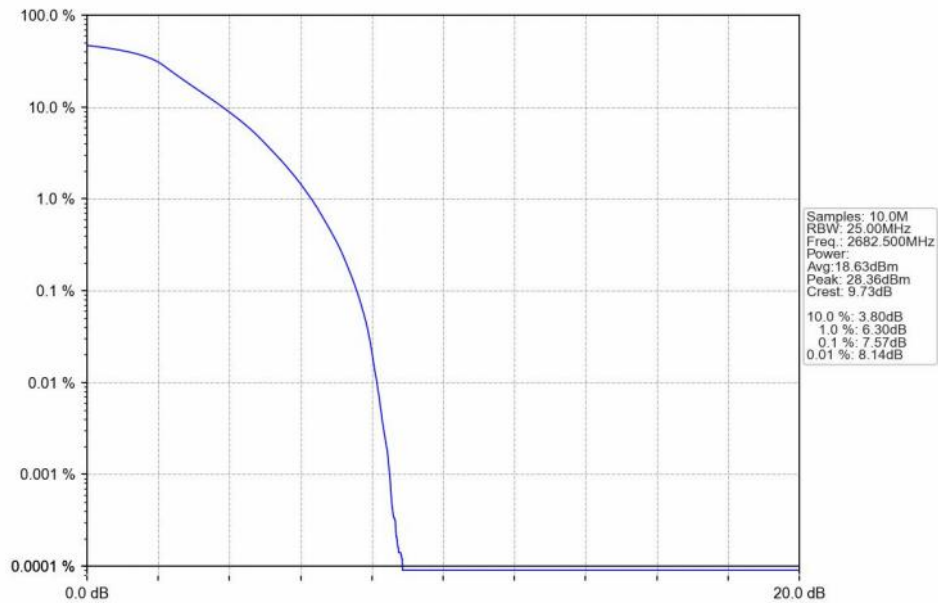
Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



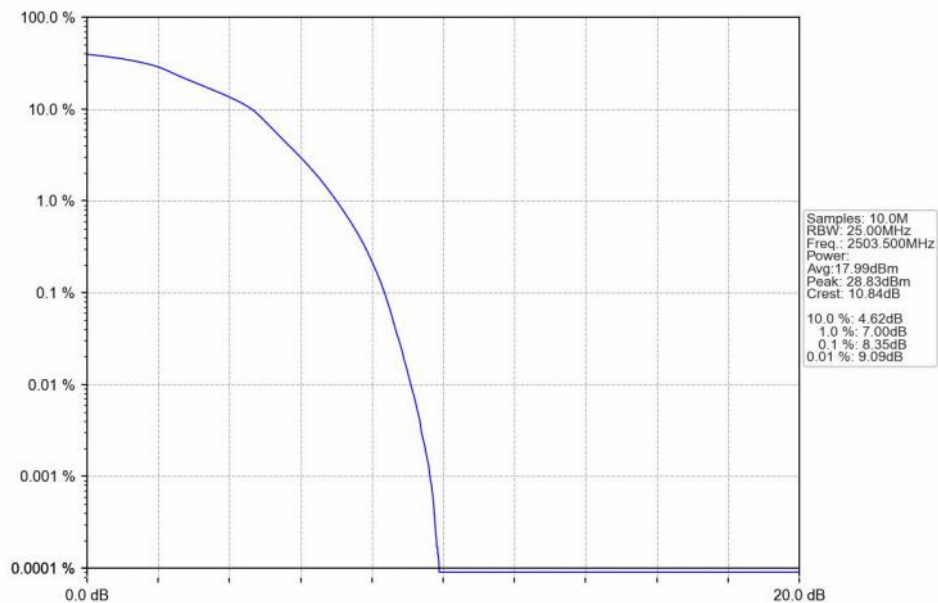
5.2.3 B41_15MHz



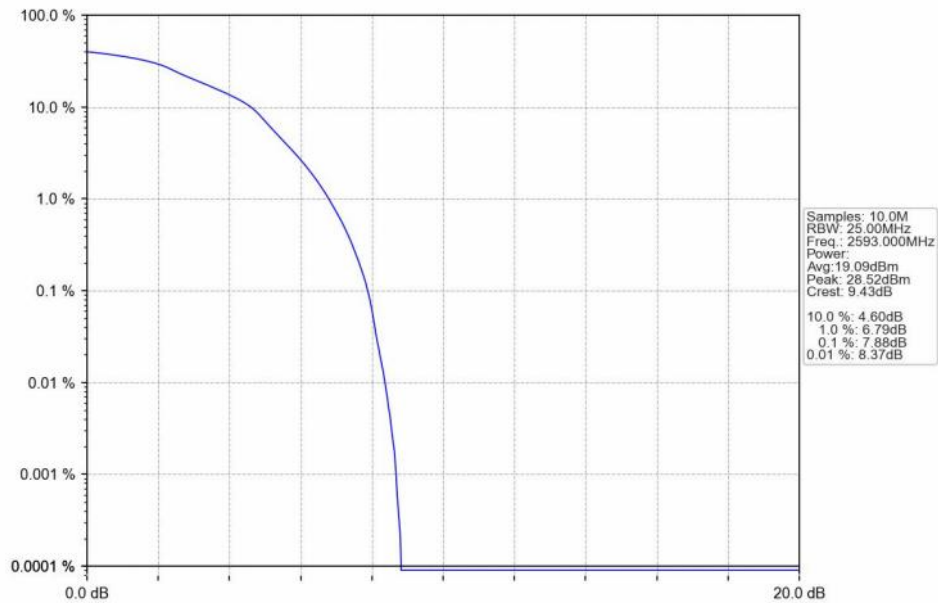
Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTNV



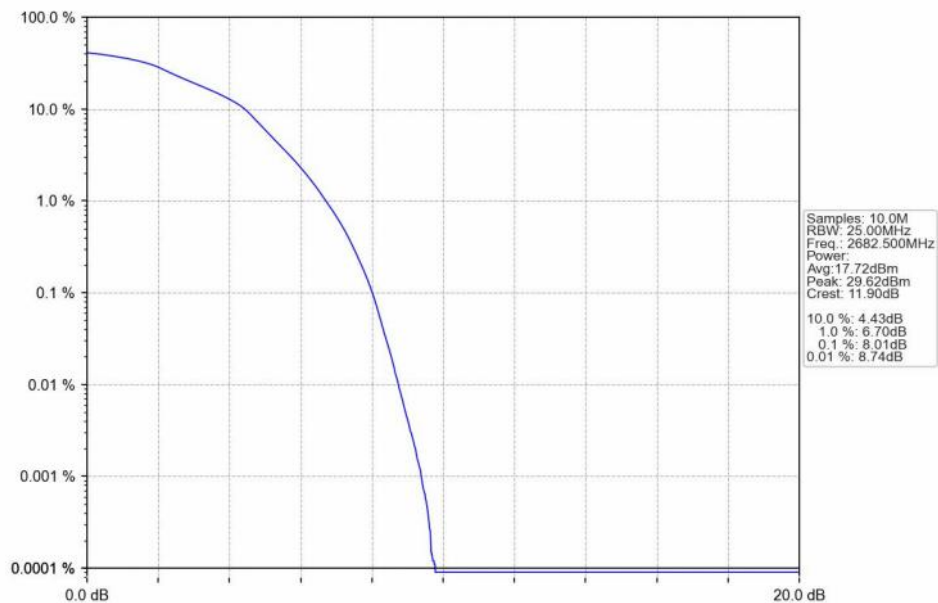
Band41 15MHz 16QAM LCH 2503.5MHz RB 75 0 NTNV



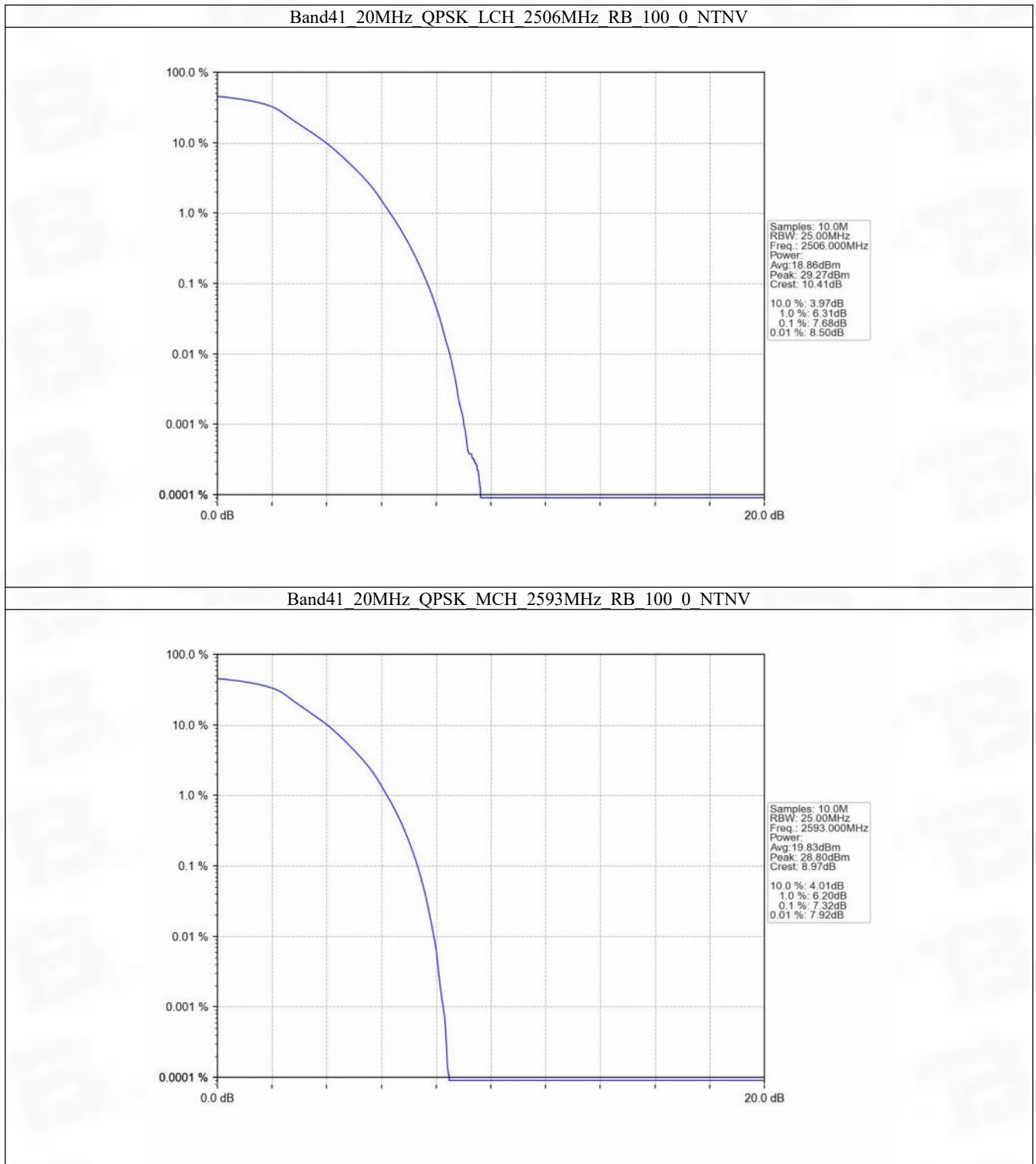
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTV



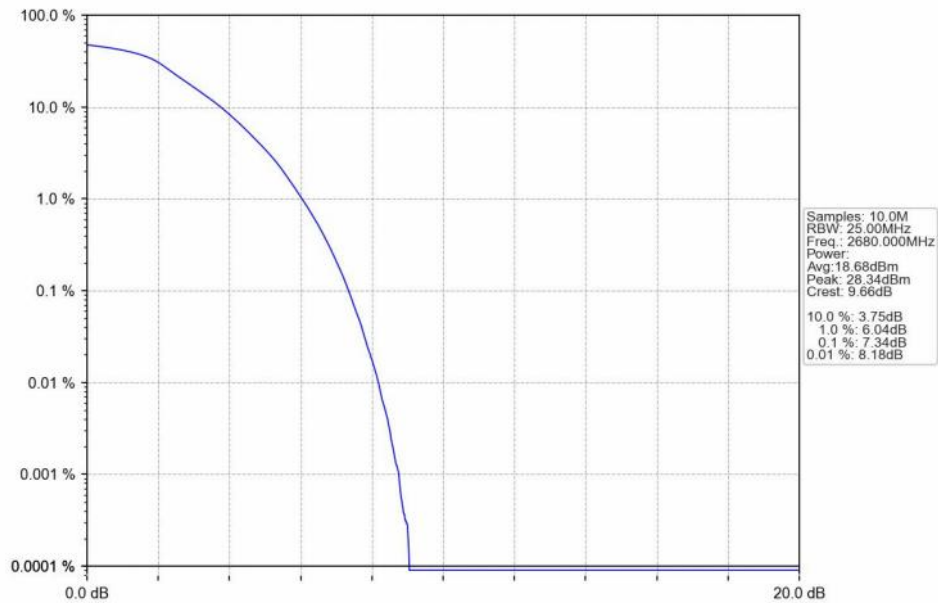
Band41 15MHz 16QAM HCH 2682.5MHz RB 75 0 NTV



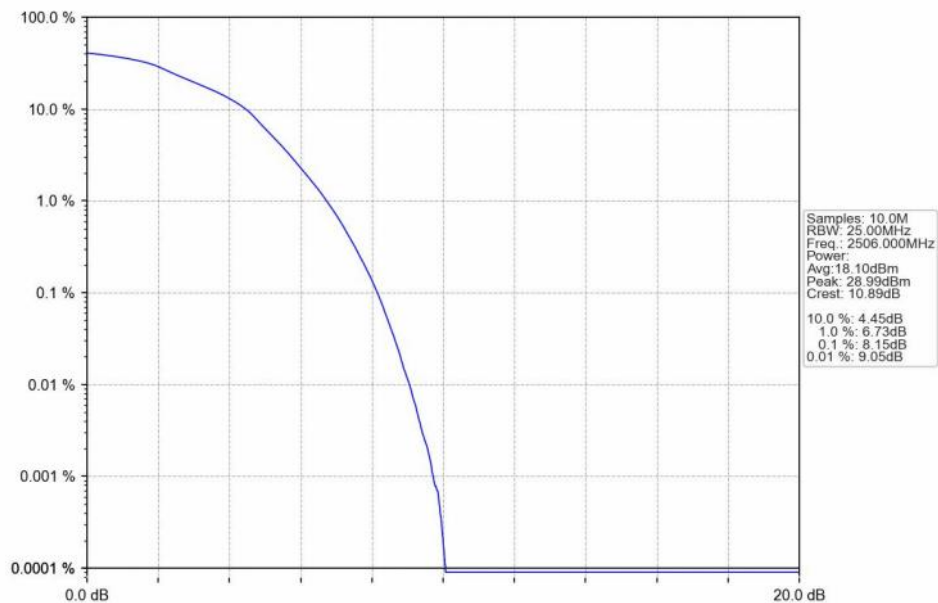
5.2.4 B41_20MHz



Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTV



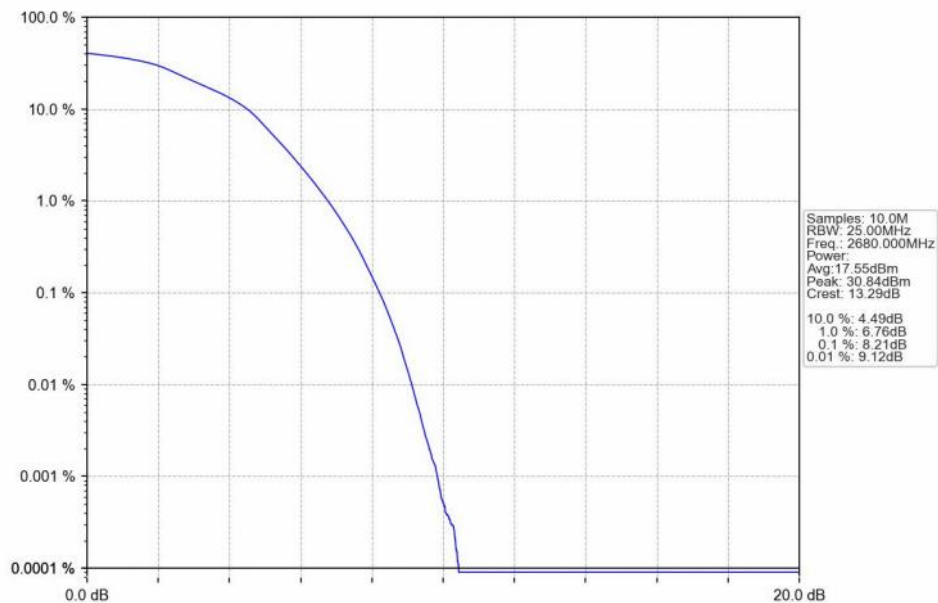
Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTV



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 / NTNV						
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

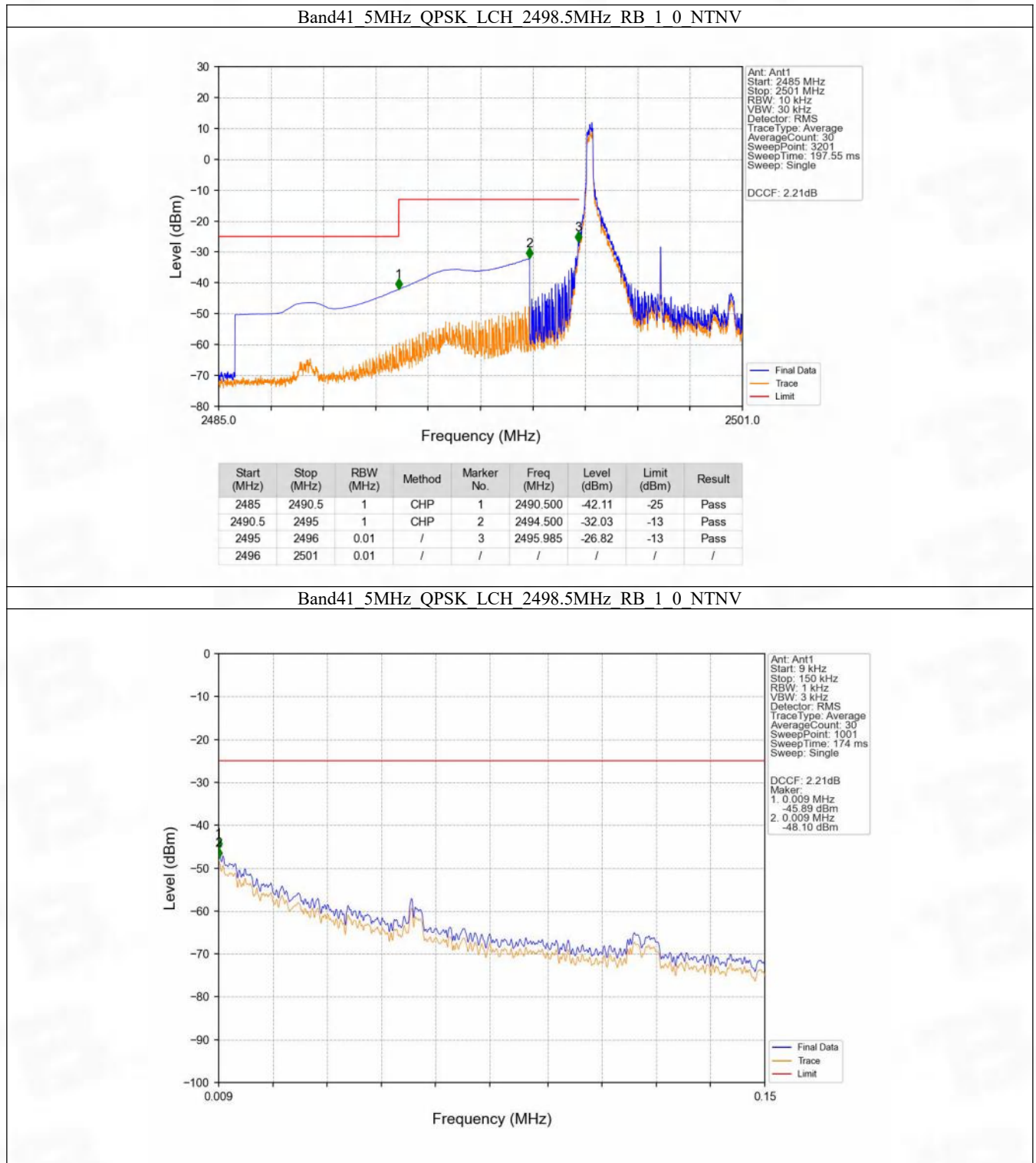
		75	0	Refer To Test Graph	Pass
--	--	----	---	---------------------	------

6.1.4 B41_20MHz

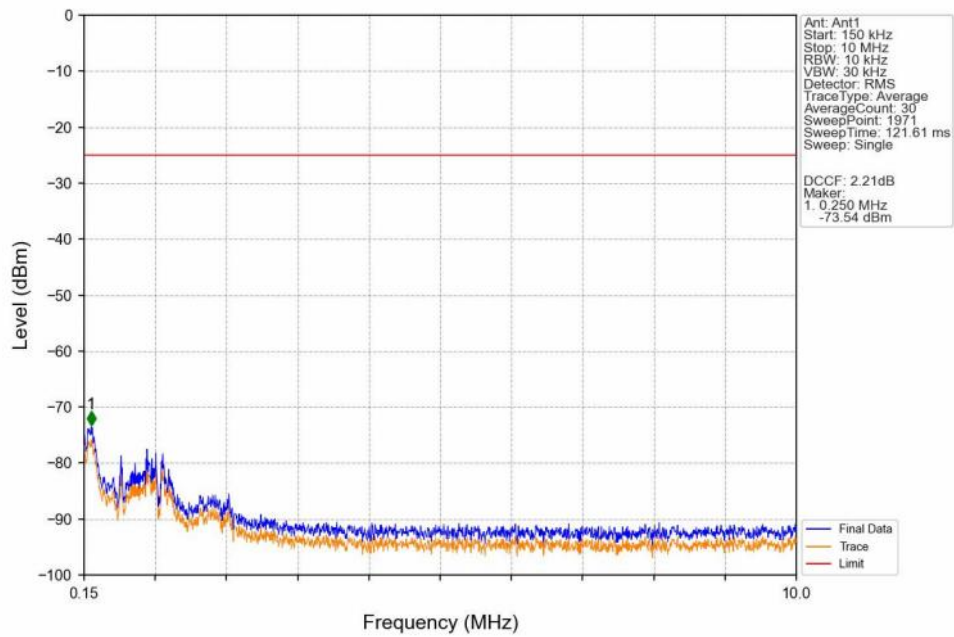
Band: 41 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2506	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2680	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass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

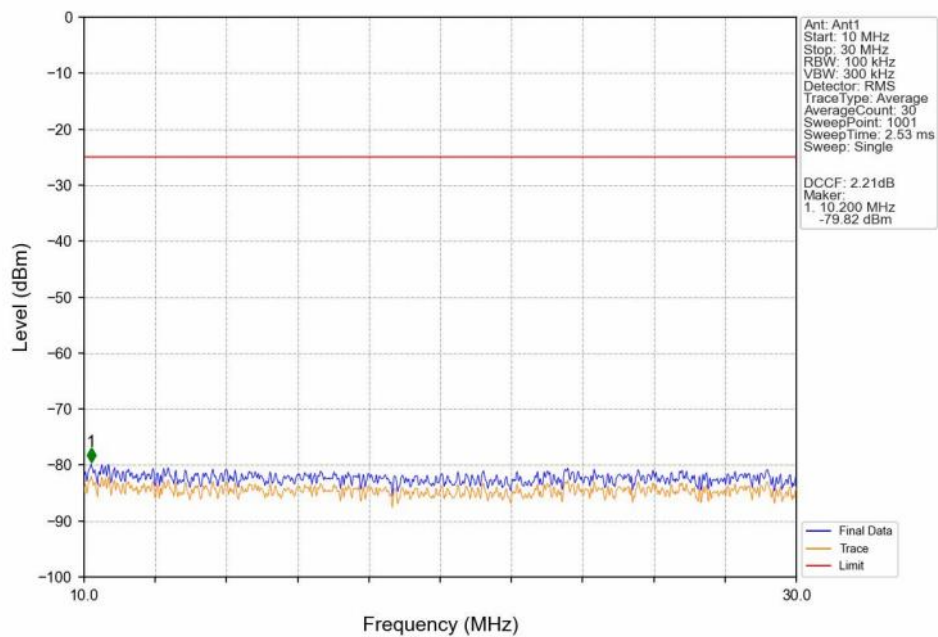
6.2.1 B41_5MHz



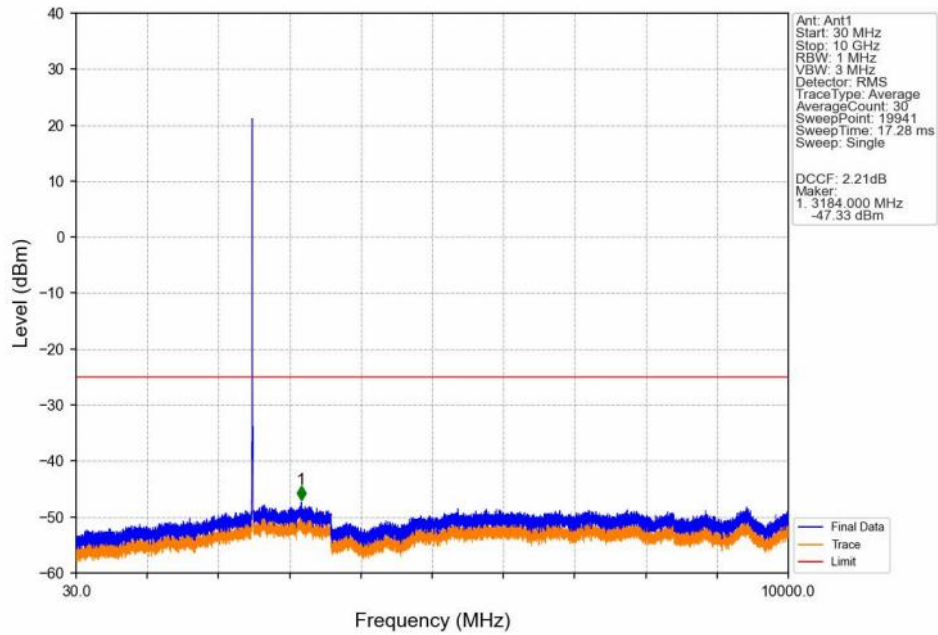
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



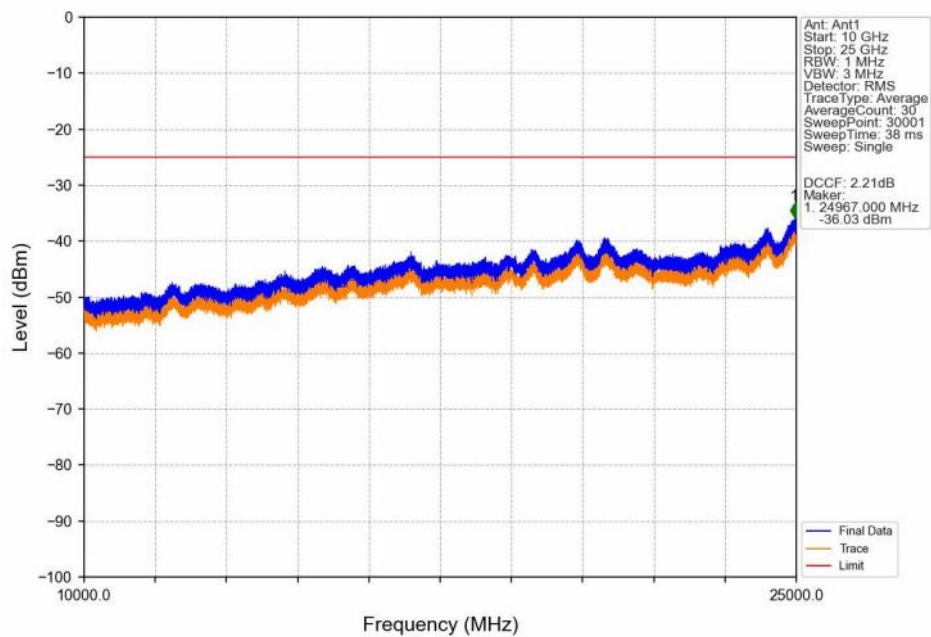
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



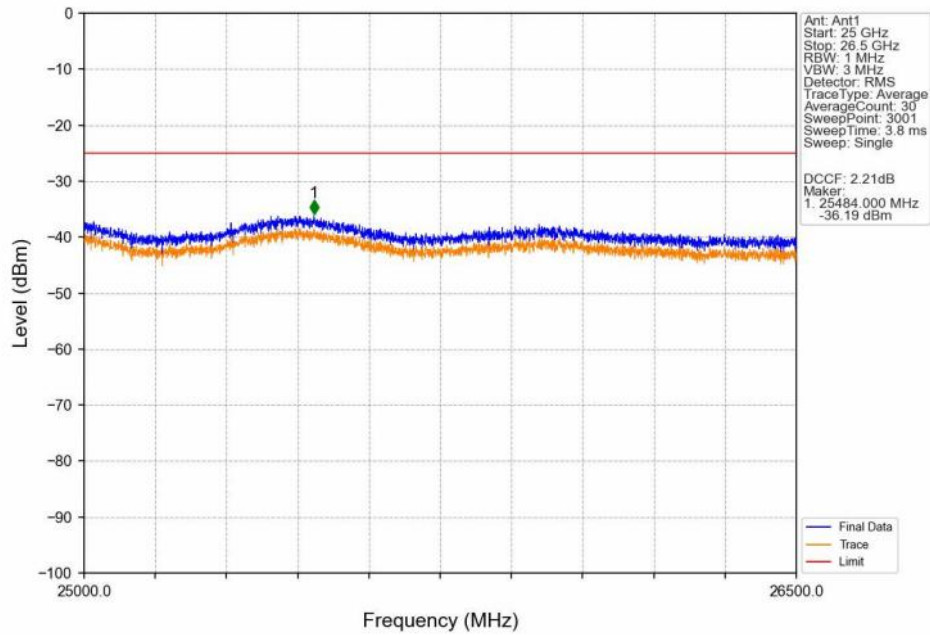
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



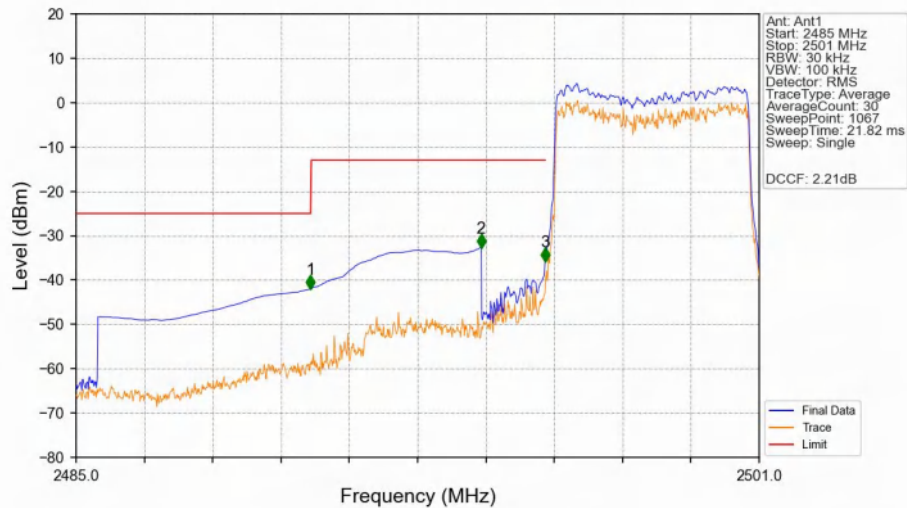
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

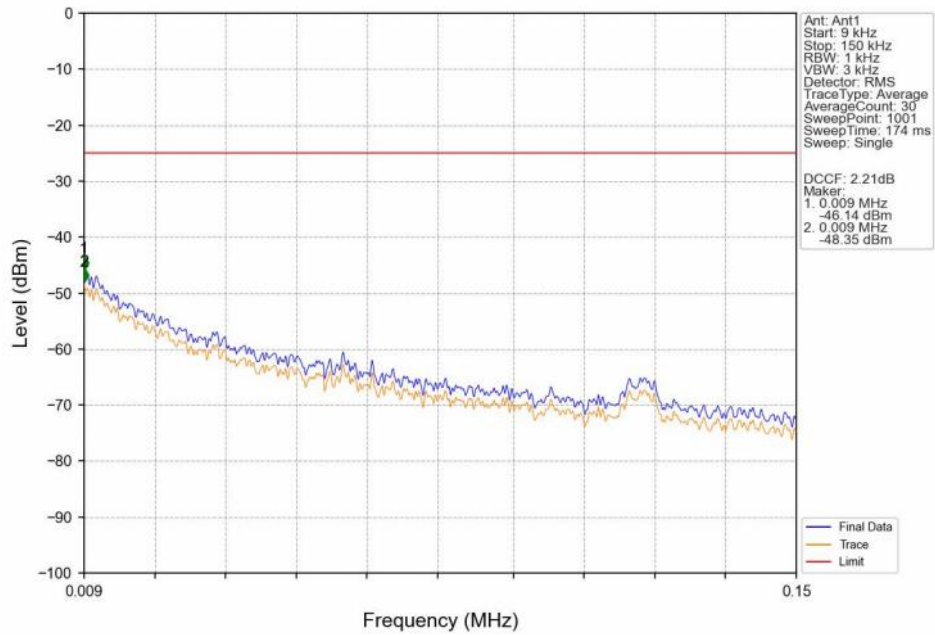


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

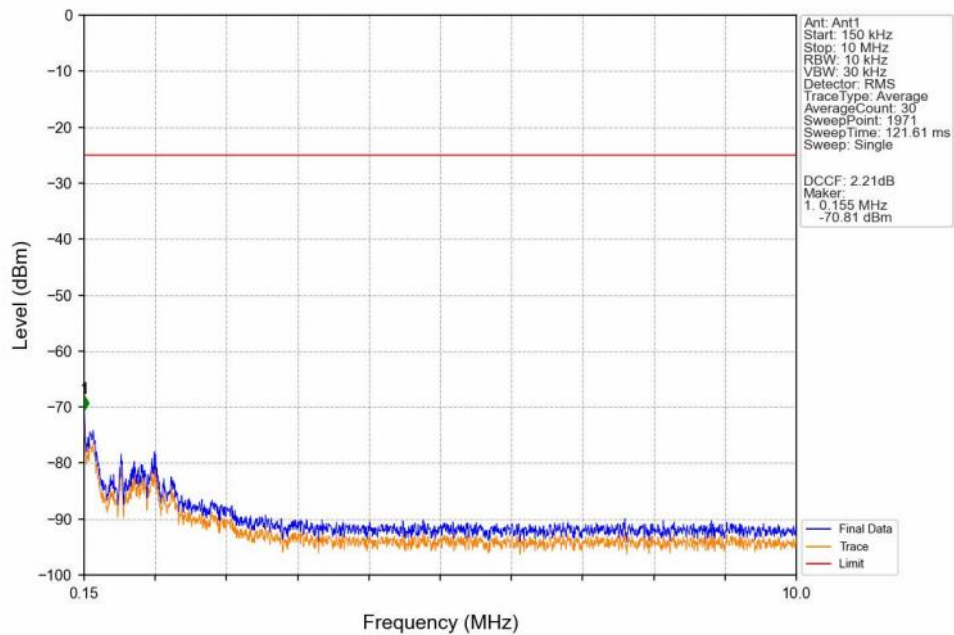


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-42.02	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-32.70	-13	Pass
2495	2496	0.054	CHP	3	2495.987	-35.84	-13	Pass
2496	2501	0.054	CHP	/	/	/	/	/

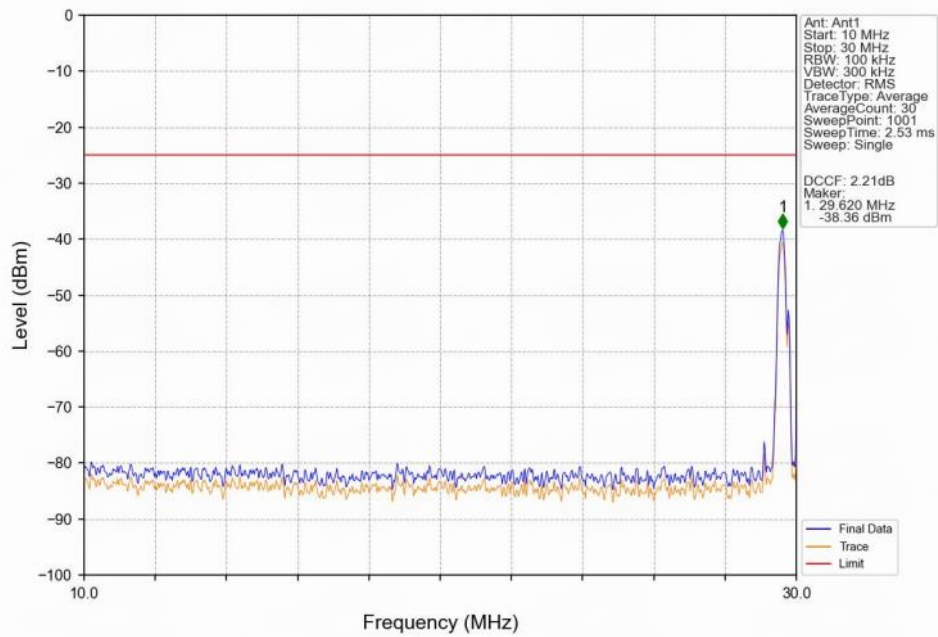
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



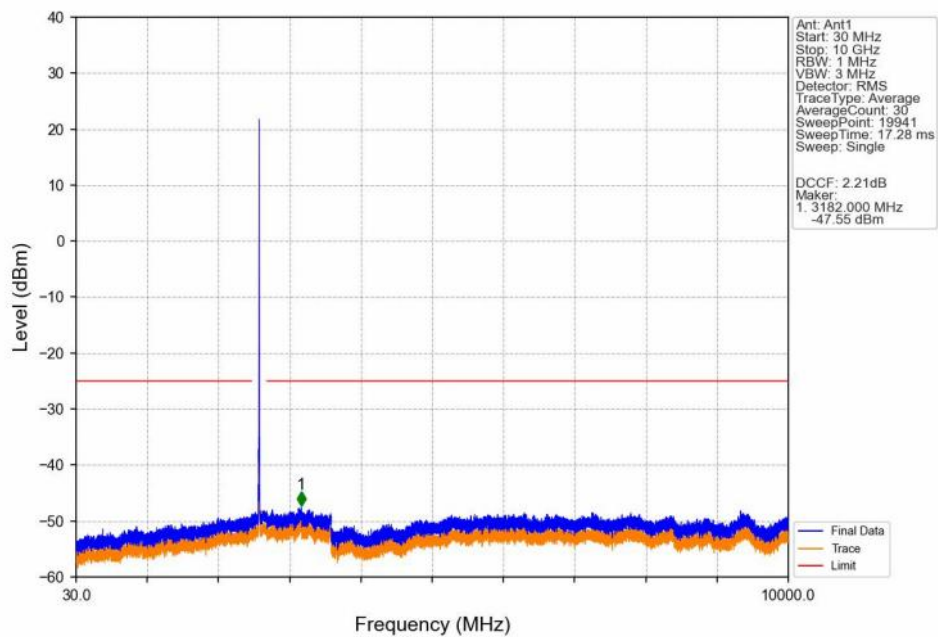
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



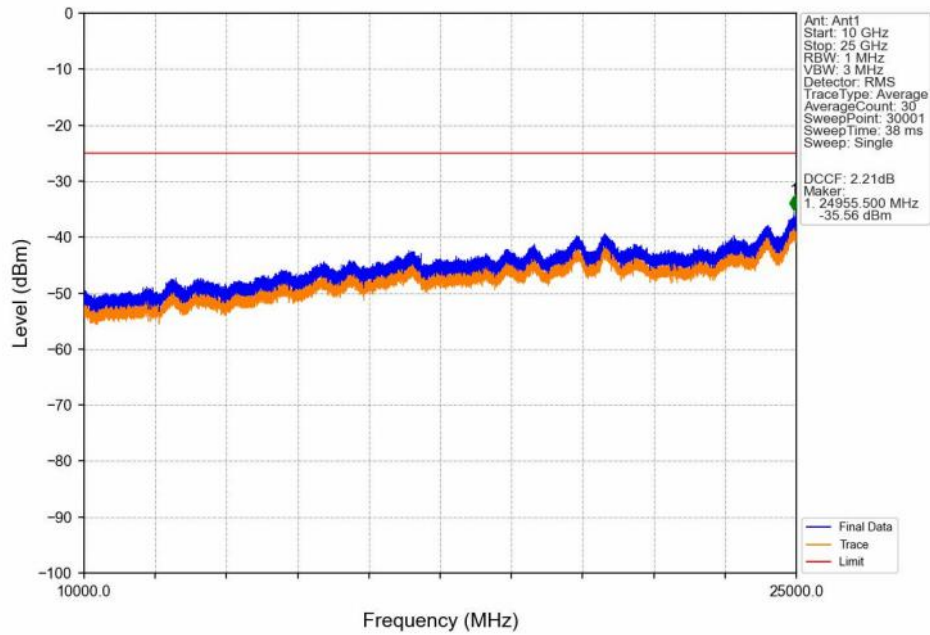
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



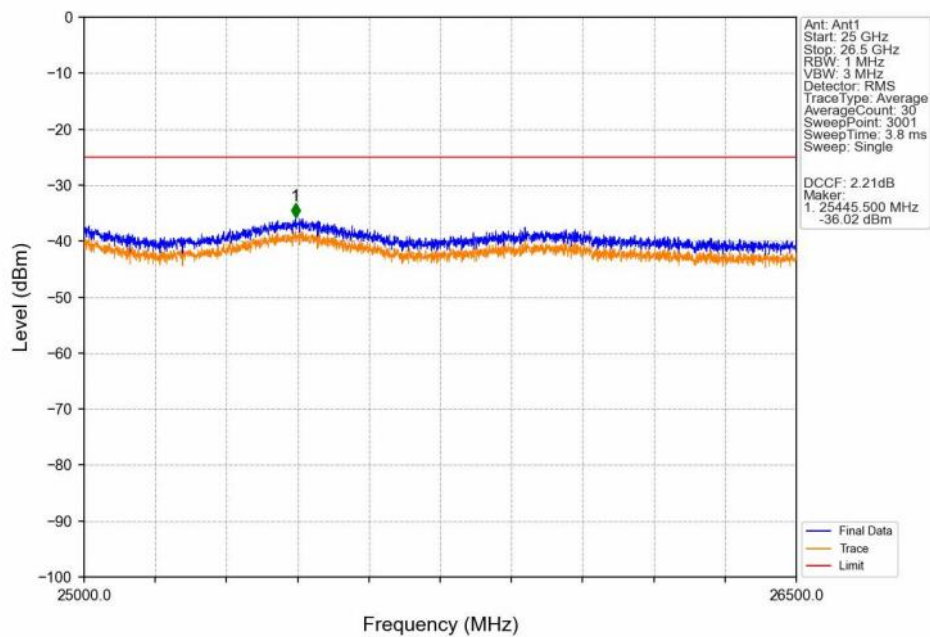
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



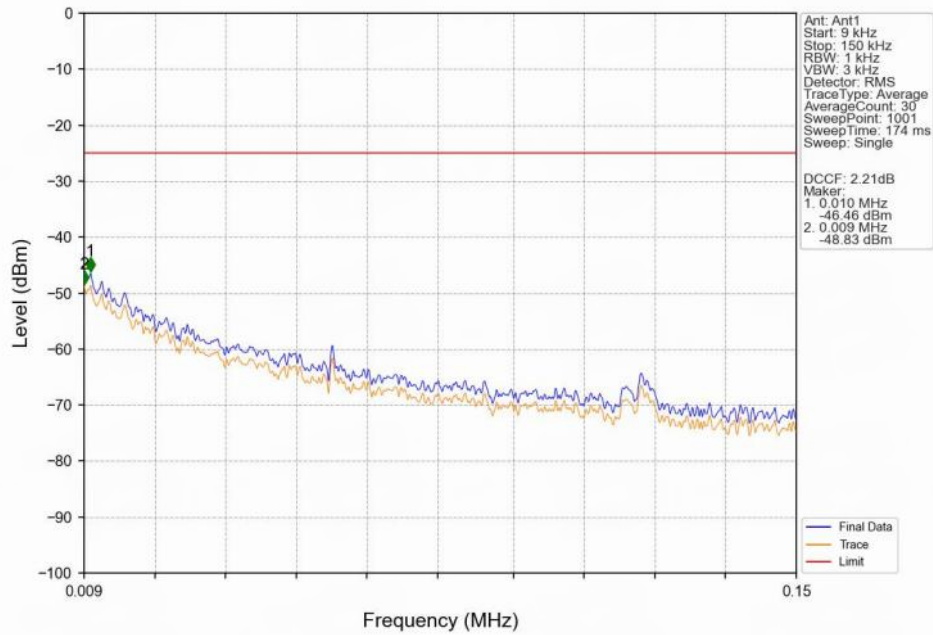
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



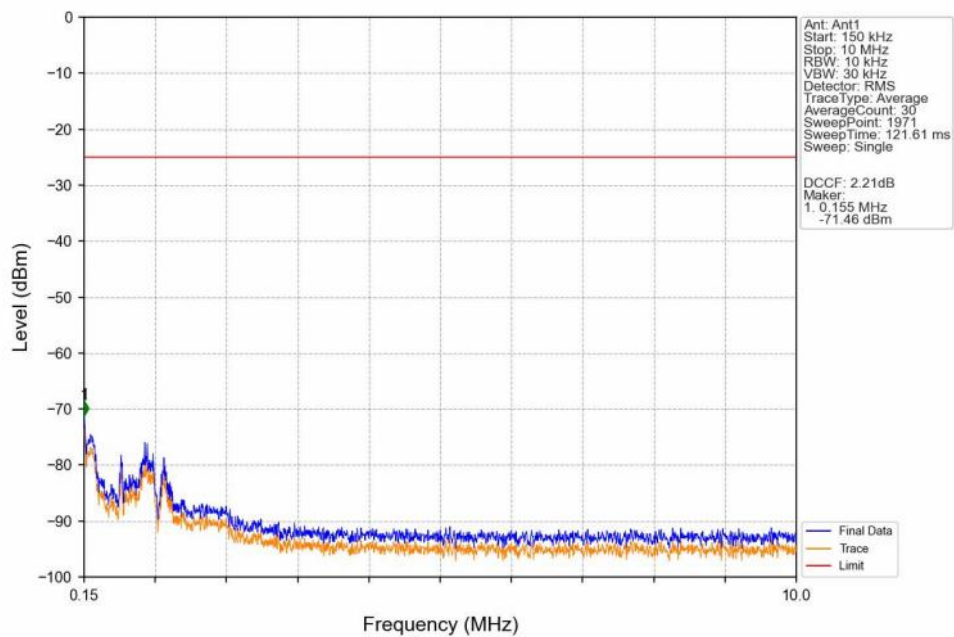
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



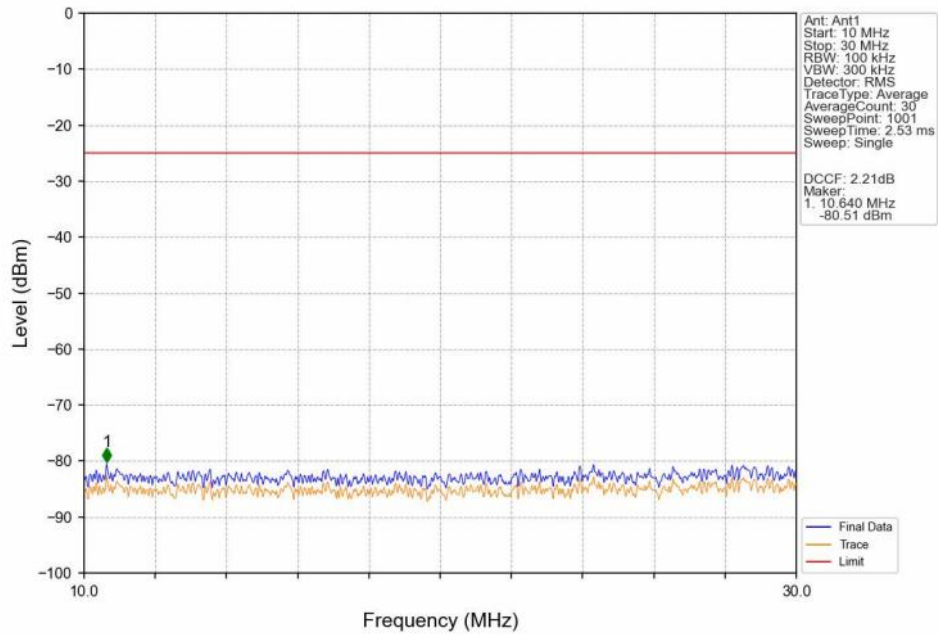
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



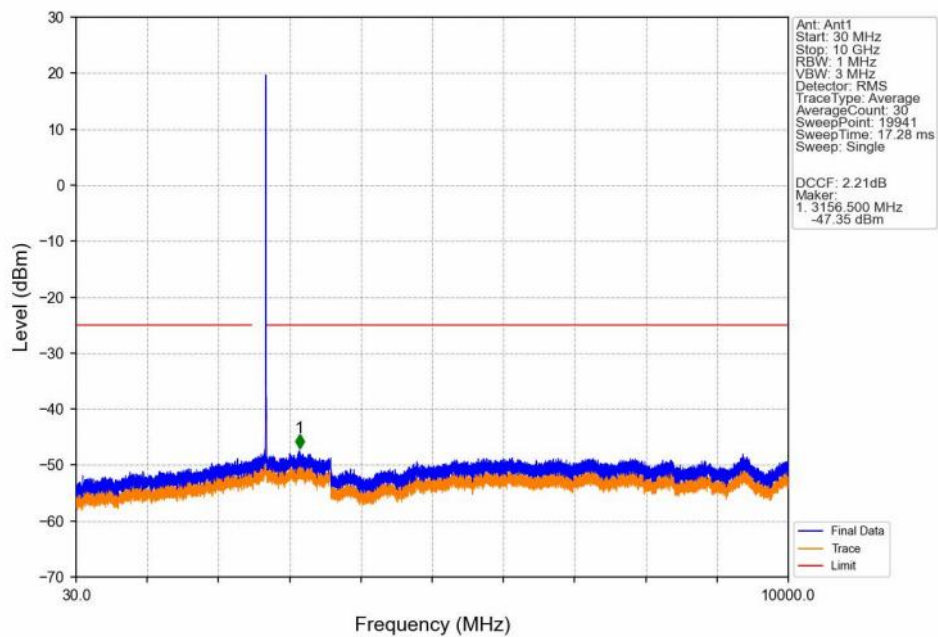
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



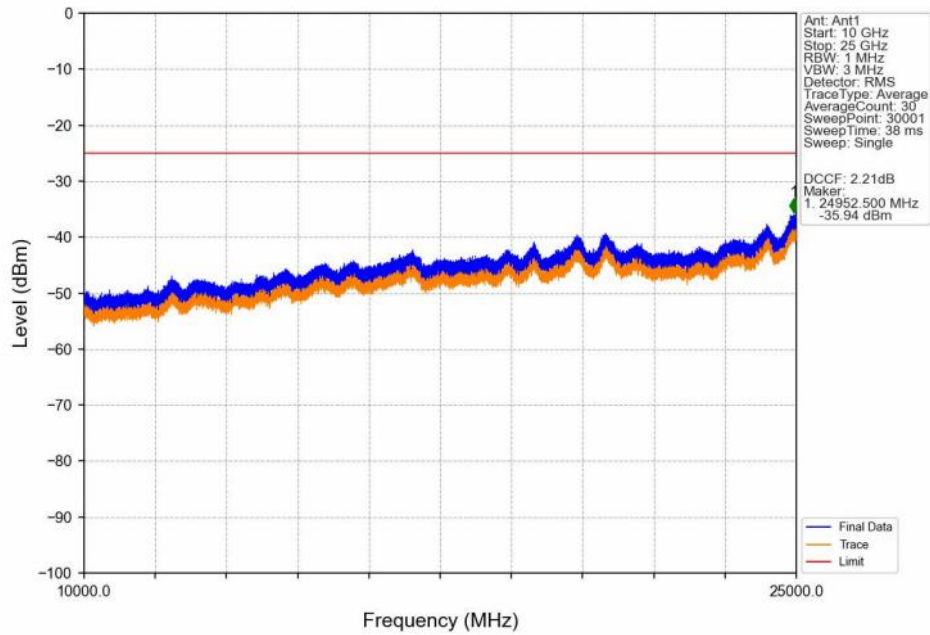
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



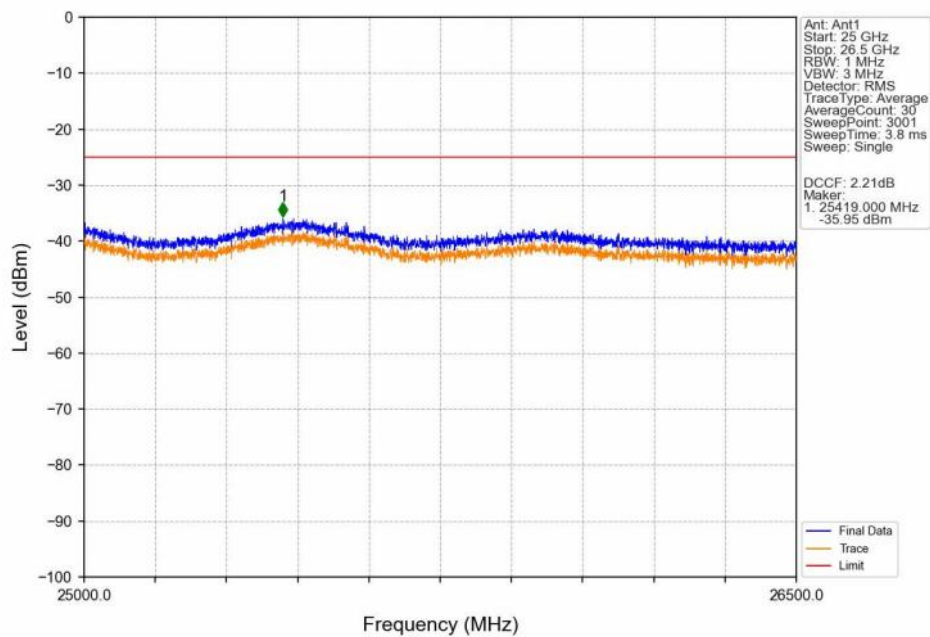
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



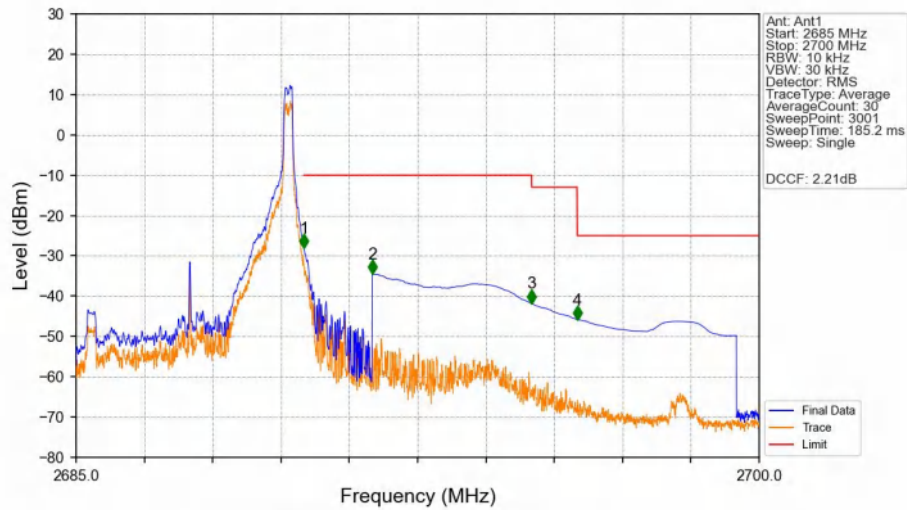
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



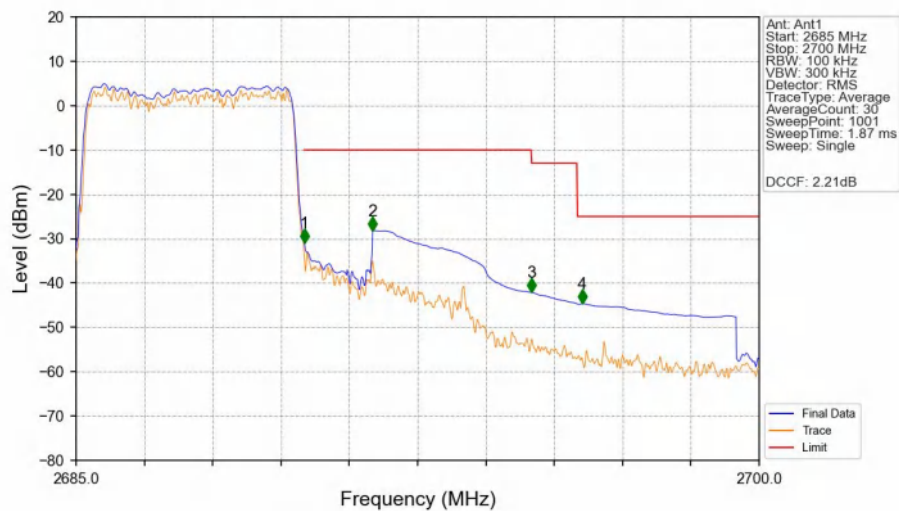
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



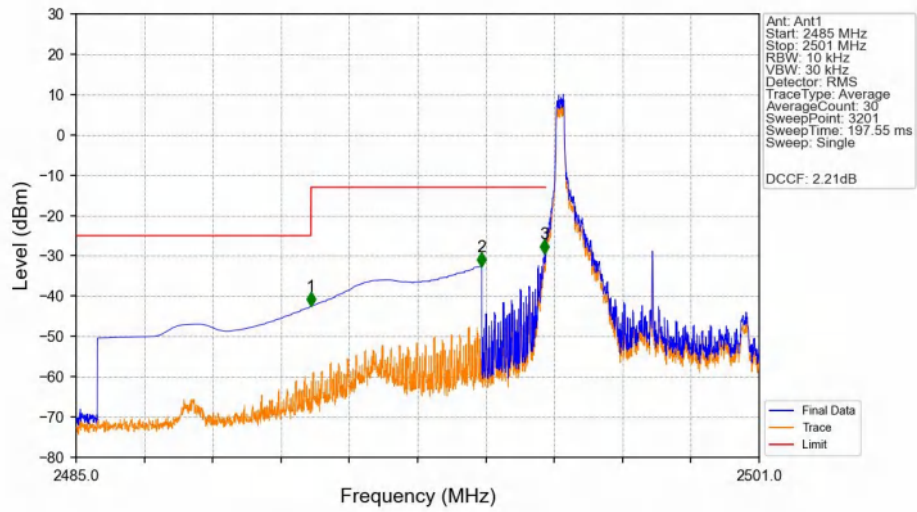
Band41 5MHz QPSK HCH 2687.5MHz RB 1 24 NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTNV

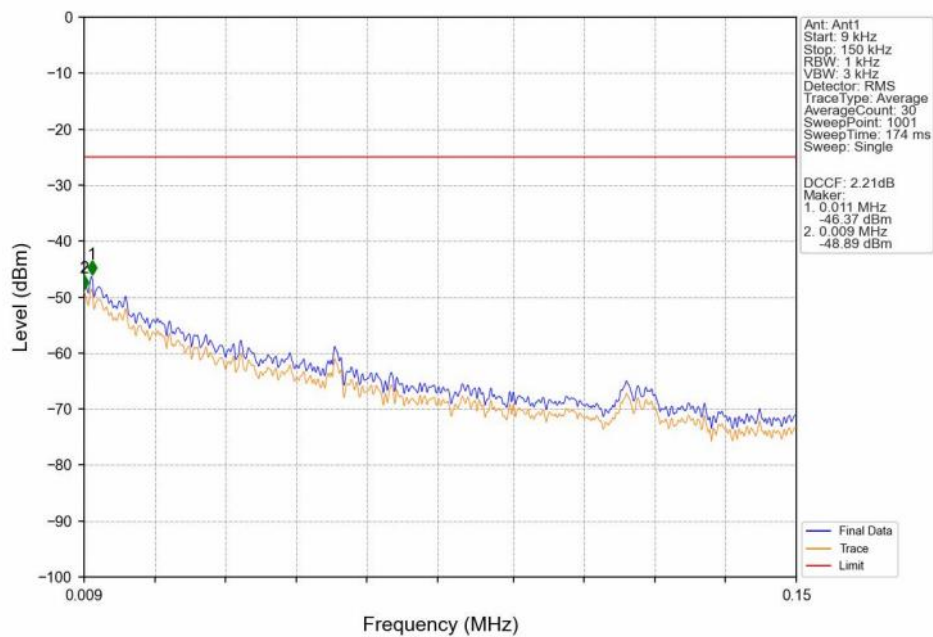


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

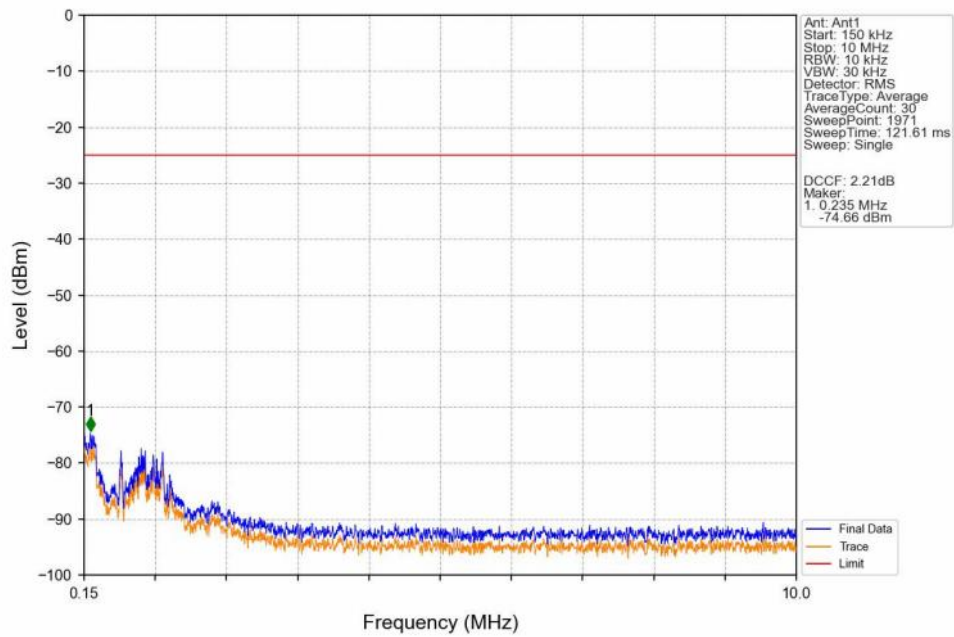


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-42.56	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-32.58	-13	Pass
2495	2496	0.01	/	3	2495.975	-29.43	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

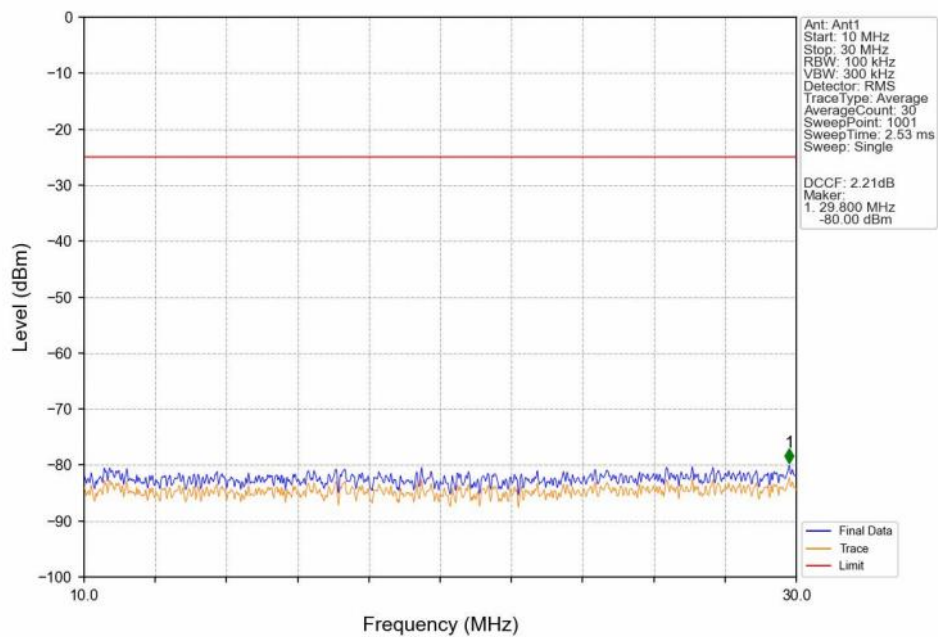
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



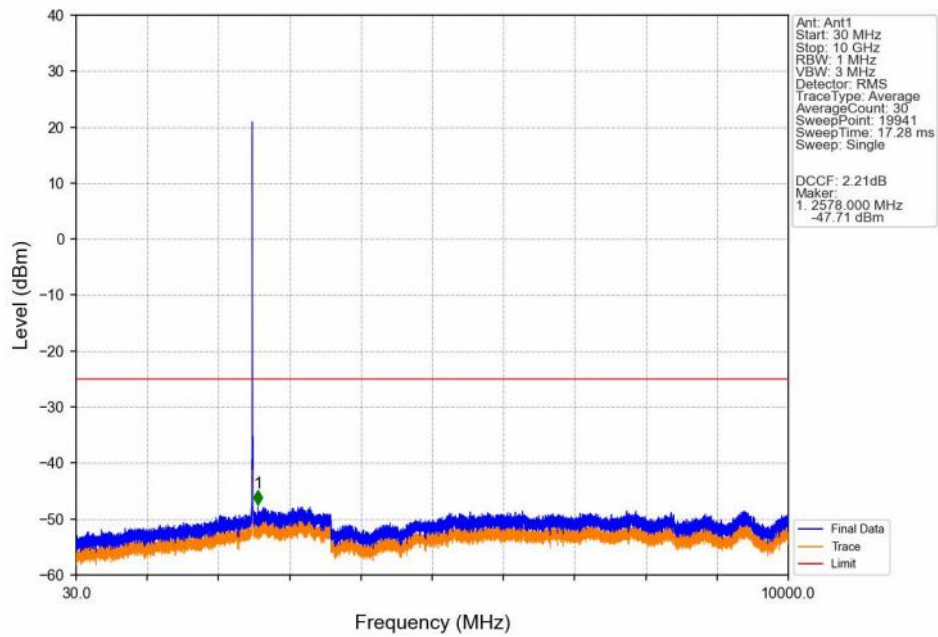
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



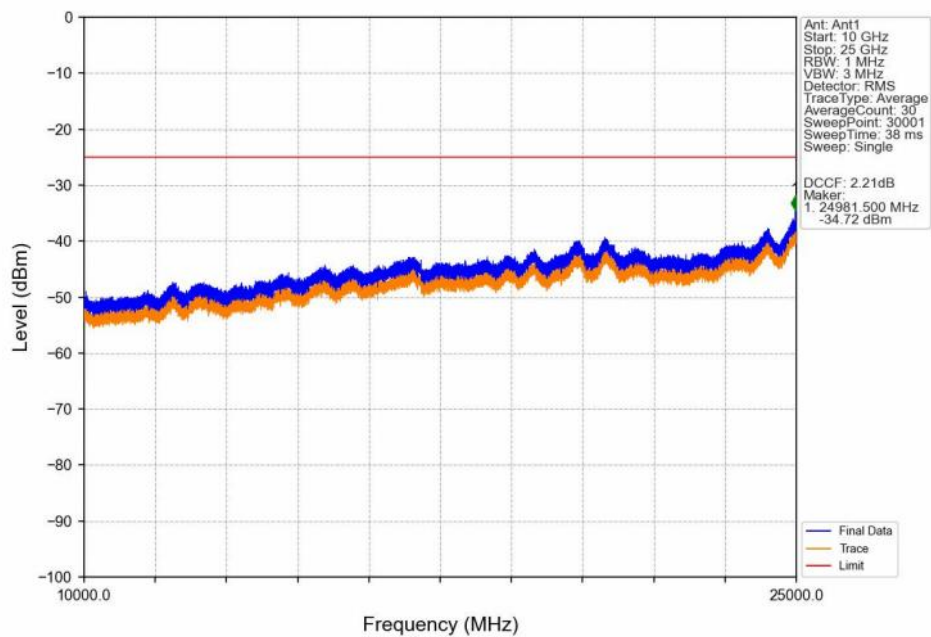
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



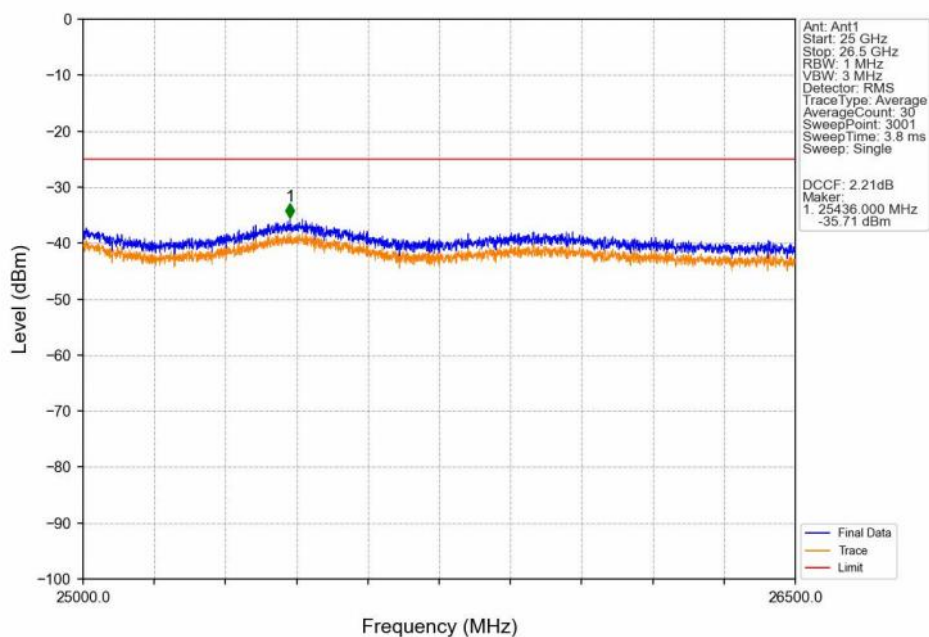
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



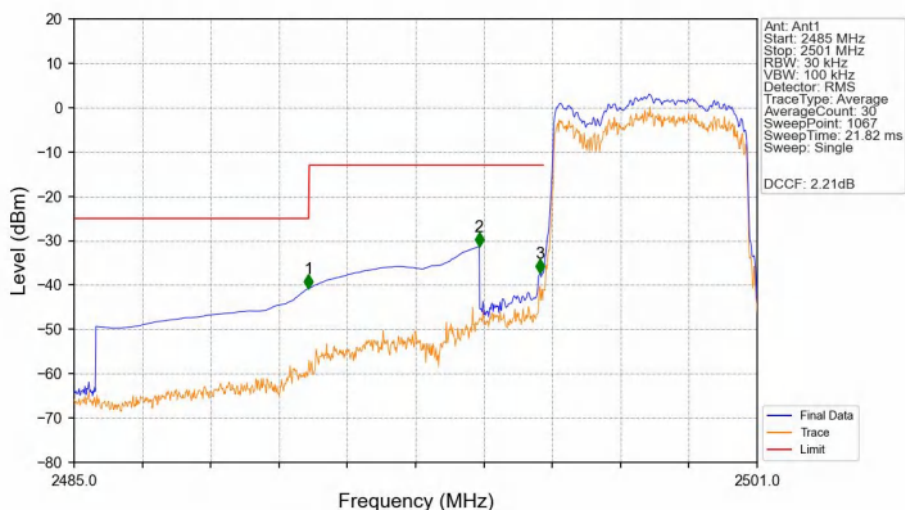
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

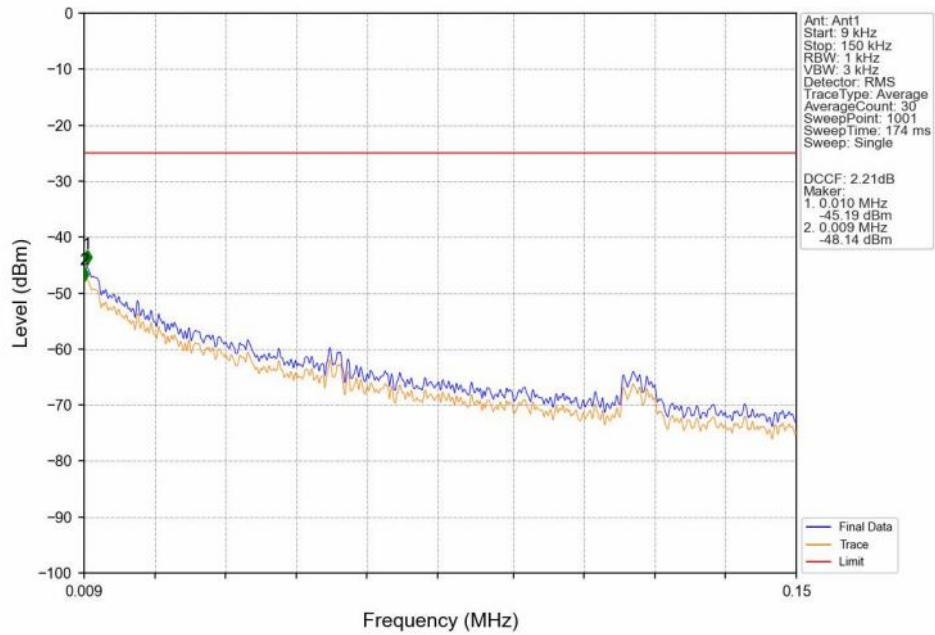


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

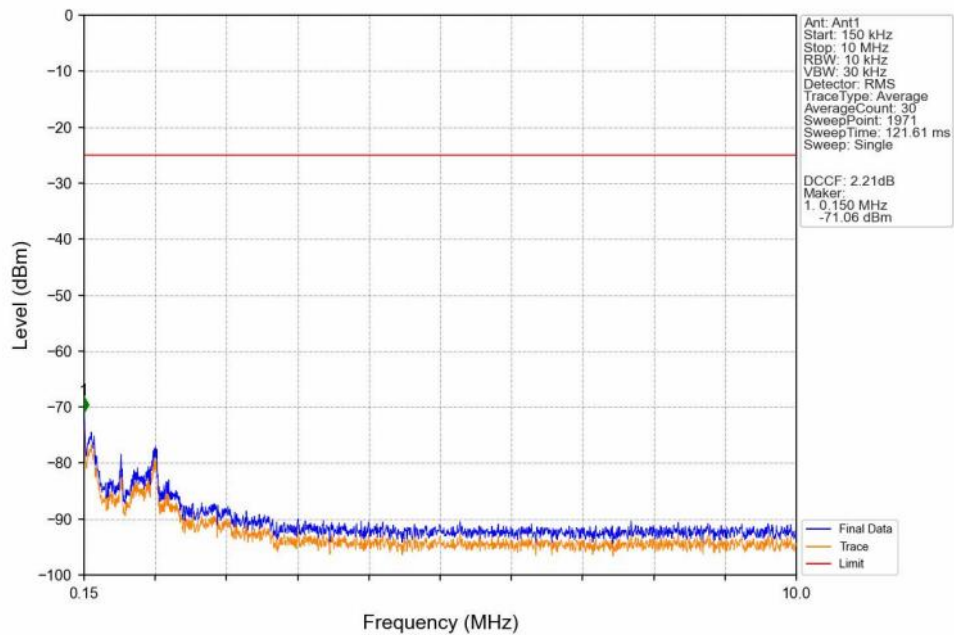


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-40.81	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-31.29	-13	Pass
2495	2496	0.052	CHP	3	2495.912	-37.37	-13	Pass
2496	2501	0.052	CHP	/	/	/	/	/

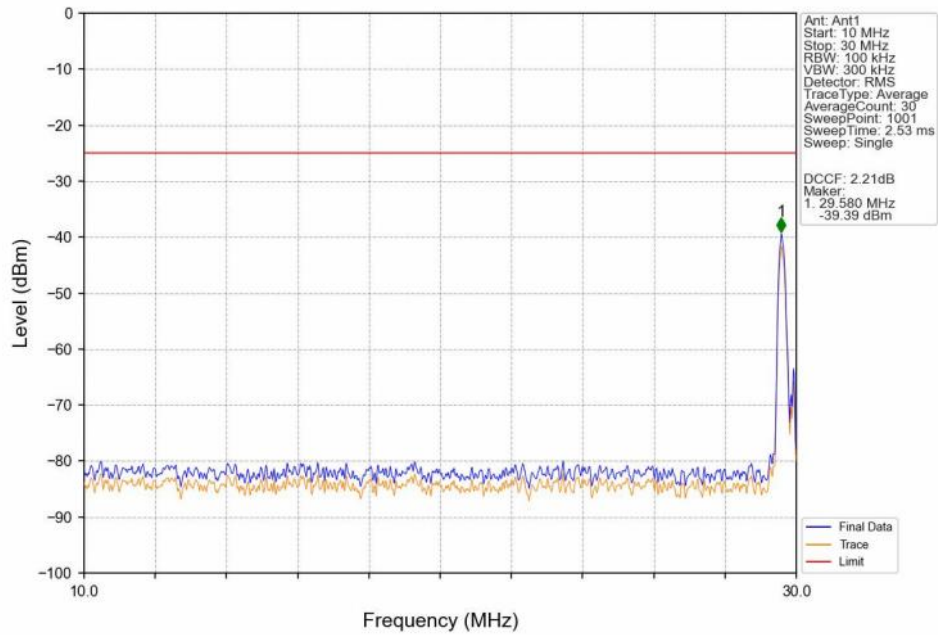
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



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

