

Appendix - LTE Band_7

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2502.5	1	0	13.55	-2.34	11.21	<=33.01	Pass
			13	13.65	-2.34	11.31	<=33.01	Pass
			24	13.52	-2.34	11.18	<=33.01	Pass
		12	0	12.59	-2.34	10.25	<=33.01	Pass
			6	12.65	-2.34	10.31	<=33.01	Pass
			13	12.63	-2.34	10.29	<=33.01	Pass
		25	0	12.62	-2.34	10.28	<=33.01	Pass
	2535	1	0	13.78	-2.34	11.44	<=33.01	Pass
			13	13.90	-2.34	11.56	<=33.01	Pass
			24	13.80	-2.34	11.46	<=33.01	Pass
		12	0	12.81	-2.34	10.47	<=33.01	Pass
			6	12.89	-2.34	10.55	<=33.01	Pass
			13	12.81	-2.34	10.47	<=33.01	Pass
		25	0	12.81	-2.34	10.47	<=33.01	Pass
	2567.5	1	0	13.93	-2.34	11.59	<=33.01	Pass
			13	13.98	-2.34	11.64	<=33.01	Pass
			24	13.92	-2.34	11.58	<=33.01	Pass
		12	0	12.97	-2.34	10.63	<=33.01	Pass
			6	13.02	-2.34	10.68	<=33.01	Pass
			13	12.96	-2.34	10.62	<=33.01	Pass
		25	0	12.96	-2.34	10.62	<=33.01	Pass
16QAM	2502.5	1	0	12.37	-2.34	10.03	<=33.01	Pass
			13	12.47	-2.34	10.13	<=33.01	Pass
			24	12.35	-2.34	10.01	<=33.01	Pass
		12	0	11.63	-2.34	9.29	<=33.01	Pass
			6	11.70	-2.34	9.36	<=33.01	Pass
			13	11.64	-2.34	9.30	<=33.01	Pass
		25	0	11.69	-2.34	9.35	<=33.01	Pass
	2535	1	0	12.86	-2.34	10.52	<=33.01	Pass
			13	12.94	-2.34	10.60	<=33.01	Pass
			24	12.84	-2.34	10.50	<=33.01	Pass
		12	0	11.85	-2.34	9.51	<=33.01	Pass
			6	11.92	-2.34	9.58	<=33.01	Pass
			13	11.83	-2.34	9.49	<=33.01	Pass
		25	0	11.90	-2.34	9.56	<=33.01	Pass
	2567.5	1	0	13.12	-2.34	10.78	<=33.01	Pass
			13	13.25	-2.34	10.91	<=33.01	Pass
			24	13.08	-2.34	10.74	<=33.01	Pass
		12	0	11.99	-2.34	9.65	<=33.01	Pass
			6	12.08	-2.34	9.74	<=33.01	Pass
			13	12.01	-2.34	9.67	<=33.01	Pass
		25	0	12.00	-2.34	9.66	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B7_10MHz_EIRP

Band: 7 / 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	2505	1	0	14.51	-2.34	12.17	<=33.01	Pass
			25	14.65	-2.34	12.31	<=33.01	Pass
			49	14.44	-2.34	12.10	<=33.01	Pass
		25	0	13.50	-2.34	11.16	<=33.01	Pass
			13	13.48	-2.34	11.14	<=33.01	Pass
			25	13.46	-2.34	11.12	<=33.01	Pass
		50	0	13.49	-2.34	11.15	<=33.01	Pass
	2535	1	0	13.73	-2.34	11.39	<=33.01	Pass
			25	13.94	-2.34	11.60	<=33.01	Pass
			49	13.77	-2.34	11.43	<=33.01	Pass
		25	0	12.80	-2.34	10.46	<=33.01	Pass
			13	12.80	-2.34	10.46	<=33.01	Pass
			25	12.80	-2.34	10.46	<=33.01	Pass
		50	0	12.79	-2.34	10.45	<=33.01	Pass
	2565	1	0	14.13	-2.34	11.79	<=33.01	Pass
			25	14.31	-2.34	11.97	<=33.01	Pass
			49	14.11	-2.34	11.77	<=33.01	Pass
		25	0	13.18	-2.34	10.84	<=33.01	Pass
			13	13.12	-2.34	10.78	<=33.01	Pass
			25	13.14	-2.34	10.80	<=33.01	Pass
		50	0	13.13	-2.34	10.79	<=33.01	Pass
16QAM	2505	1	0	13.47	-2.34	11.13	<=33.01	Pass
			25	13.61	-2.34	11.27	<=33.01	Pass
			49	13.44	-2.34	11.10	<=33.01	Pass
		25	0	12.66	-2.34	10.32	<=33.01	Pass
			13	12.61	-2.34	10.27	<=33.01	Pass
			25	12.63	-2.34	10.29	<=33.01	Pass
		50	0	12.58	-2.34	10.24	<=33.01	Pass
	2535	1	0	12.92	-2.34	10.58	<=33.01	Pass
			25	13.05	-2.34	10.71	<=33.01	Pass
			49	12.91	-2.34	10.57	<=33.01	Pass
		25	0	11.87	-2.34	9.53	<=33.01	Pass
			13	11.89	-2.34	9.55	<=33.01	Pass
			25	11.86	-2.34	9.52	<=33.01	Pass
		50	0	11.85	-2.34	9.51	<=33.01	Pass
	2565	1	0	13.62	-2.34	11.28	<=33.01	Pass
			25	13.71	-2.34	11.37	<=33.01	Pass
			49	13.55	-2.34	11.21	<=33.01	Pass
		25	0	12.25	-2.34	9.91	<=33.01	Pass
			13	12.26	-2.34	9.92	<=33.01	Pass
			25	12.25	-2.34	9.91	<=33.01	Pass
		50	0	12.21	-2.34	9.87	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	14.00	-2.34	11.66	<=33.01	Pass
			38	14.07	-2.34	11.73	<=33.01	Pass
			74	13.94	-2.34	11.60	<=33.01	Pass
		36	0	13.16	-2.34	10.82	<=33.01	Pass
			18	13.12	-2.34	10.78	<=33.01	Pass
			39	13.14	-2.34	10.80	<=33.01	Pass
		75	0	13.16	-2.34	10.82	<=33.01	Pass
	2535	1	0	13.66	-2.34	11.32	<=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

			38	13.81	-2.34	11.47	<=33.01	Pass	
			74	13.76	-2.34	11.42	<=33.01	Pass	
		36	0	12.85	-2.34	10.51	<=33.01	Pass	
			18	12.90	-2.34	10.56	<=33.01	Pass	
			39	12.90	-2.34	10.56	<=33.01	Pass	
		75	0	12.83	-2.34	10.49	<=33.01	Pass	
		2562.5	1	0	14.40	-2.34	12.06	<=33.01	Pass
	38			14.51	-2.34	12.17	<=33.01	Pass	
	74			14.42	-2.34	12.08	<=33.01	Pass	
	36		0	13.58	-2.34	11.24	<=33.01	Pass	
			18	13.57	-2.34	11.23	<=33.01	Pass	
			39	13.62	-2.34	11.28	<=33.01	Pass	
	75		0	13.58	-2.34	11.24	<=33.01	Pass	
	16QAM	2507.5	1	0	13.33	-2.34	10.99	<=33.01	Pass
38				13.38	-2.34	11.04	<=33.01	Pass	
74				13.27	-2.34	10.93	<=33.01	Pass	
36			0	12.16	-2.34	9.82	<=33.01	Pass	
			18	12.16	-2.34	9.82	<=33.01	Pass	
			39	12.11	-2.34	9.77	<=33.01	Pass	
75			0	12.17	-2.34	9.83	<=33.01	Pass	
2535		1	0	12.82	-2.34	10.48	<=33.01	Pass	
			38	12.93	-2.34	10.59	<=33.01	Pass	
			74	12.86	-2.34	10.52	<=33.01	Pass	
		36	0	11.82	-2.34	9.48	<=33.01	Pass	
			18	11.89	-2.34	9.55	<=33.01	Pass	
			39	11.86	-2.34	9.52	<=33.01	Pass	
		75	0	11.91	-2.34	9.57	<=33.01	Pass	
2562.5		1	0	13.95	-2.34	11.61	<=33.01	Pass	
			38	14.02	-2.34	11.68	<=33.01	Pass	
			74	13.86	-2.34	11.52	<=33.01	Pass	
		36	0	12.58	-2.34	10.24	<=33.01	Pass	
			18	12.61	-2.34	10.27	<=33.01	Pass	
			39	12.56	-2.34	10.22	<=33.01	Pass	
		75	0	12.58	-2.34	10.24	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	13.43	-2.34	11.09	<=33.01	Pass
			50	13.77	-2.34	11.43	<=33.01	Pass
			99	13.28	-2.34	10.94	<=33.01	Pass
		50	0	12.68	-2.34	10.34	<=33.01	Pass
			25	12.67	-2.34	10.33	<=33.01	Pass
			50	12.72	-2.34	10.38	<=33.01	Pass
		100	0	12.69	-2.34	10.35	<=33.01	Pass
		2535	0	14.23	-2.34	11.89	<=33.01	Pass
			50	14.67	-2.34	12.33	<=33.01	Pass
			99	14.27	-2.34	11.93	<=33.01	Pass
			0	13.41	-2.34	11.07	<=33.01	Pass
			25	13.48	-2.34	11.14	<=33.01	Pass
			50	13.40	-2.34	11.06	<=33.01	Pass
		100	0	13.42	-2.34	11.08	<=33.01	Pass
	2560	1	0	14.22	-2.34	11.88	<=33.01	Pass
			50	14.63	-2.34	12.29	<=33.01	Pass
			99	14.25	-2.34	11.91	<=33.01	Pass
		50	0	13.52	-2.34	11.18	<=33.01	Pass

16QAM	2510	100	25	13.49	-2.34	11.15	<=33.01	Pass
			50	13.51	-2.34	11.17	<=33.01	Pass
			0	13.51	-2.34	11.17	<=33.01	Pass
		1	0	12.97	-2.34	10.63	<=33.01	Pass
			50	13.34	-2.34	11.00	<=33.01	Pass
			99	12.91	-2.34	10.57	<=33.01	Pass
		50	0	11.78	-2.34	9.44	<=33.01	Pass
			25	11.75	-2.34	9.41	<=33.01	Pass
			50	11.75	-2.34	9.41	<=33.01	Pass
		100	0	11.76	-2.34	9.42	<=33.01	Pass
	2535	1	0	13.38	-2.34	11.04	<=33.01	Pass
			50	13.78	-2.34	11.44	<=33.01	Pass
			99	13.43	-2.34	11.09	<=33.01	Pass
		50	0	12.50	-2.34	10.16	<=33.01	Pass
			25	12.51	-2.34	10.17	<=33.01	Pass
			50	12.51	-2.34	10.17	<=33.01	Pass
		100	0	12.50	-2.34	10.16	<=33.01	Pass
	2560	1	0	13.51	-2.34	11.17	<=33.01	Pass
			50	13.90	-2.34	11.56	<=33.01	Pass
			99	13.46	-2.34	11.12	<=33.01	Pass
		50	0	12.56	-2.34	10.22	<=33.01	Pass
			25	12.55	-2.34	10.21	<=33.01	Pass
			50	12.56	-2.34	10.22	<=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 B7_5MHz

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	1.445	0.0006	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.874	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-6.680	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0023	-2.5 to 2.5	Pass
				30	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-11.930	-0.0048	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-6.552	-0.0026	-2.5 to 2.5	Pass
					3.85	-6.938	-0.0027	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-8.340	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-9.398	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.623	-0.0026	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-3.262	-0.0013	-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	-10.557	-0.0041	-2.5 to 2.5	Pass
						4.43	-7.596	-0.0030	-2.5 to 2.5	Pass
					-30	3.85	-2.203	-0.0009	-2.5 to 2.5	Pass
					-20	3.85	4.120	0.0016	-2.5 to 2.5	Pass
					-10	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
					0	3.85	2.046	0.0008	-2.5 to 2.5	Pass
					10	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
					30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
					40	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
					50	3.85	-5.279	-0.0021	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20		3.27	-0.787	-0.0003	-2.5 to 2.5	Pass
						3.85	-7.739	-0.0031	-2.5 to 2.5	Pass
						4.43	-6.194	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass	
				-20	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass	
				-10	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass	
				0	3.85	-5.264	-0.0021	-2.5 to 2.5	Pass	
				10	3.85	-8.068	-0.0032	-2.5 to 2.5	Pass	
				30	3.85	-11.601	-0.0046	-2.5 to 2.5	Pass	
				40	3.85	-8.984	-0.0036	-2.5 to 2.5	Pass	
	50	3.85	-2.675	-0.0011	-2.5 to 2.5	Pass				
	2535	25	0	20		3.27	-3.762	-0.0015	-2.5 to 2.5	Pass
						3.85	-12.660	-0.0050	-2.5 to 2.5	Pass
						4.43	-9.570	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass	
				-20	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass	
				-10	3.85	-4.249	-0.0017	-2.5 to 2.5	Pass	
				0	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass	
				10	3.85	-6.509	-0.0026	-2.5 to 2.5	Pass	
				30	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass	
				40	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass	
	50	3.85	0.386	0.0002	-2.5 to 2.5	Pass				
	2567.5	25	0	20		3.27	-11.373	-0.0044	-2.5 to 2.5	Pass
						3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
						4.43	-2.532	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0005	-2.5 to 2.5	Pass	
				-20	3.85	-7.524	-0.0029	-2.5 to 2.5	Pass	
				-10	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass	
				0	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass	
				10	3.85	-7.982	-0.0031	-2.5 to 2.5	Pass	
30				3.85	-8.826	-0.0034	-2.5 to 2.5	Pass		
40				3.85	-5.336	-0.0021	-2.5 to 2.5	Pass		
50	3.85	-4.907	-0.0019	-2.5 to 2.5	Pass					

2.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	1.602	0.0006	-2.5 to 2.5	Pass
					3.85	-7.825	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-10.314	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.852	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-9.499	-0.0038	-2.5 to 2.5	Pass

16QAM	2535	50	0	50	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				20	3.27	-4.034	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.633	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-6.151	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-9.570	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-7.138	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-11.201	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
	2505	50	0	20	3.27	2.604	0.0010	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
					4.43	0.844	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.177	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-4.921	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.801	0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.691	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-3.920	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0016	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				50	3.85	-5.221	-0.0020	-2.5 to 2.5	Pass

2.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-4.921	-0.0020	-2.5 to 2.5	Pass
					3.85	-8.969	-0.0036	-2.5 to 2.5	Pass
					4.43	-0.329	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-7.024	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-9.098	-0.0036	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-7.296	-0.0029	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0030	-2.5 to 2.5	Pass
					4.43	-7.281	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-9.084	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-9.985	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-8.912	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.253	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0019	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-4.077	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.532	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.068	-0.0031	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-4.435	-0.0018	-2.5 to 2.5	Pass
					3.85	-10.757	-0.0043	-2.5 to 2.5	Pass
					4.43	-8.154	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-9.556	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-8.054	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-7.353	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-8.726	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-11.001	-0.0044	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-10.657	-0.0042	-2.5 to 2.5	Pass
					3.85	-7.181	-0.0028	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.550	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0016	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-1.888	-0.0007	-2.5 to 2.5	Pass
					3.27	-1.888	-0.0007	-2.5 to 2.5	Pass

					3.85	-3.133	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.85	4.306	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.730	0.0003	-2.5 to 2.5	Pass

2.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	-6.752	-0.0027	-2.5 to 2.5	Pass
					3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
					4.43	-7.153	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.738	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-4.978	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-6.609	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-8.154	-0.0032	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.419	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.273	0.0005	-2.5 to 2.5	Pass
				10	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0003	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-9.913	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-3.505	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0026	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-2.317	-0.0009	-2.5 to 2.5	Pass
					3.85	-6.037	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.490	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.818	0.0011	-2.5 to 2.5	Pass
				0	3.85	-5.708	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-7.081	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass

	2535	100	0	50	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				20	3.27	-3.290	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
					4.43	1.345	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-5.236	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0019	-2.5 to 2.5	Pass
	2560	100	0	40	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
				20	3.27	-5.493	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
					4.43	-10.428	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.238	-0.0028	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	25	0	Refer To Test Graph		Pass
16QAM	2535	25	0	Refer To Test Graph		Pass

3.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	50	0	Refer To Test Graph		Pass
16QAM	2535	50	0	Refer To Test Graph		Pass

3.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

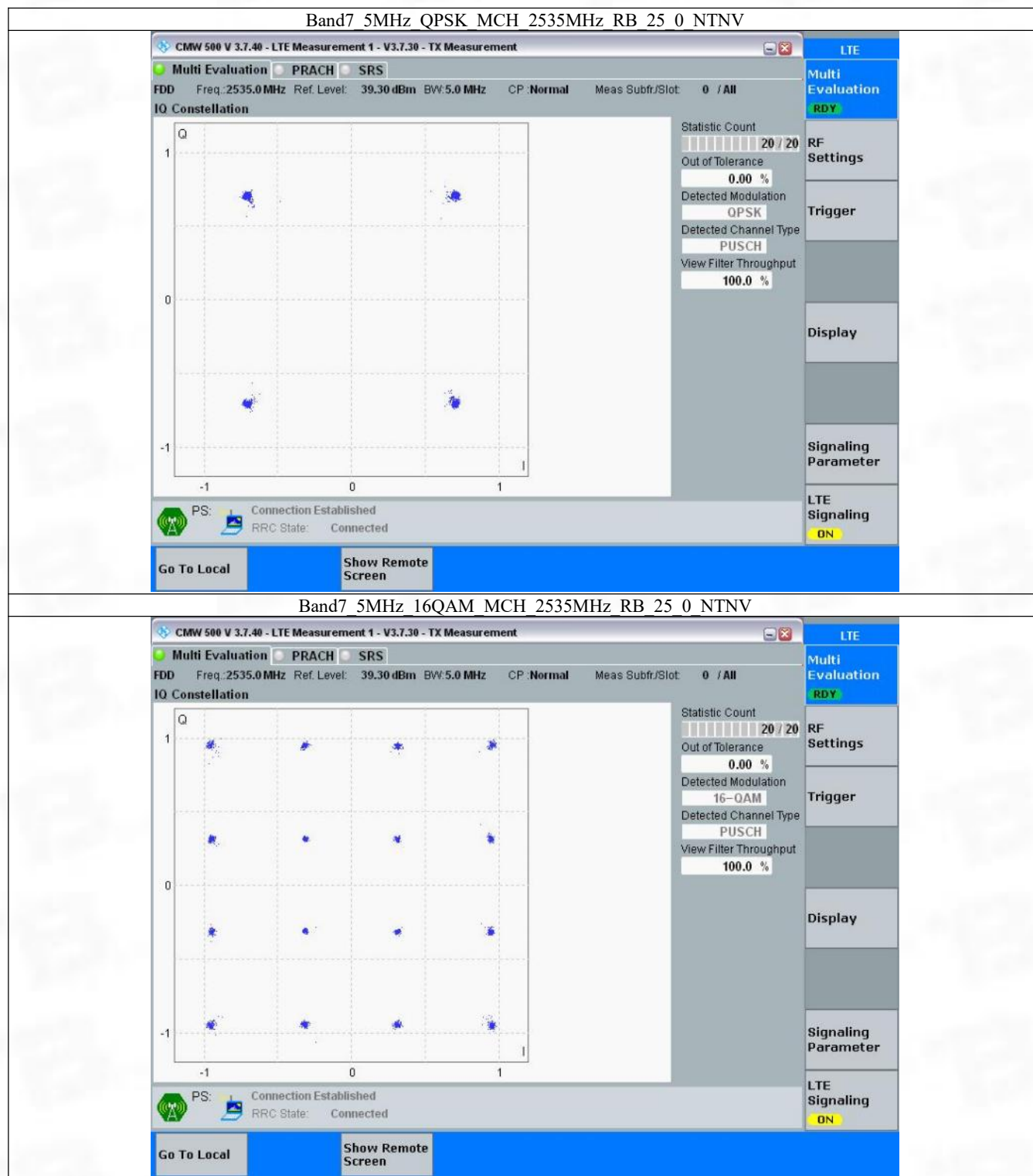
3.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

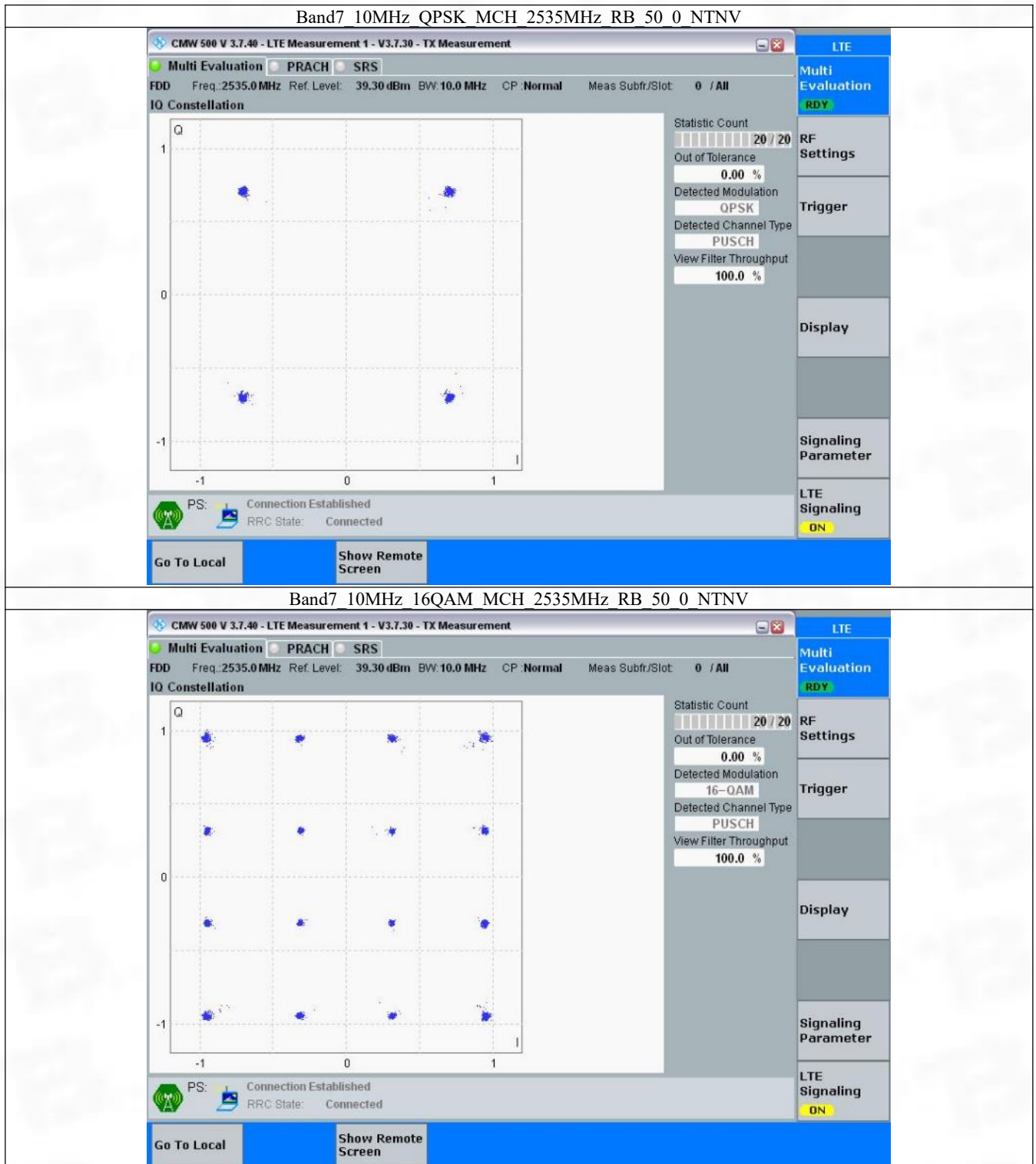
	(MHz)	Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

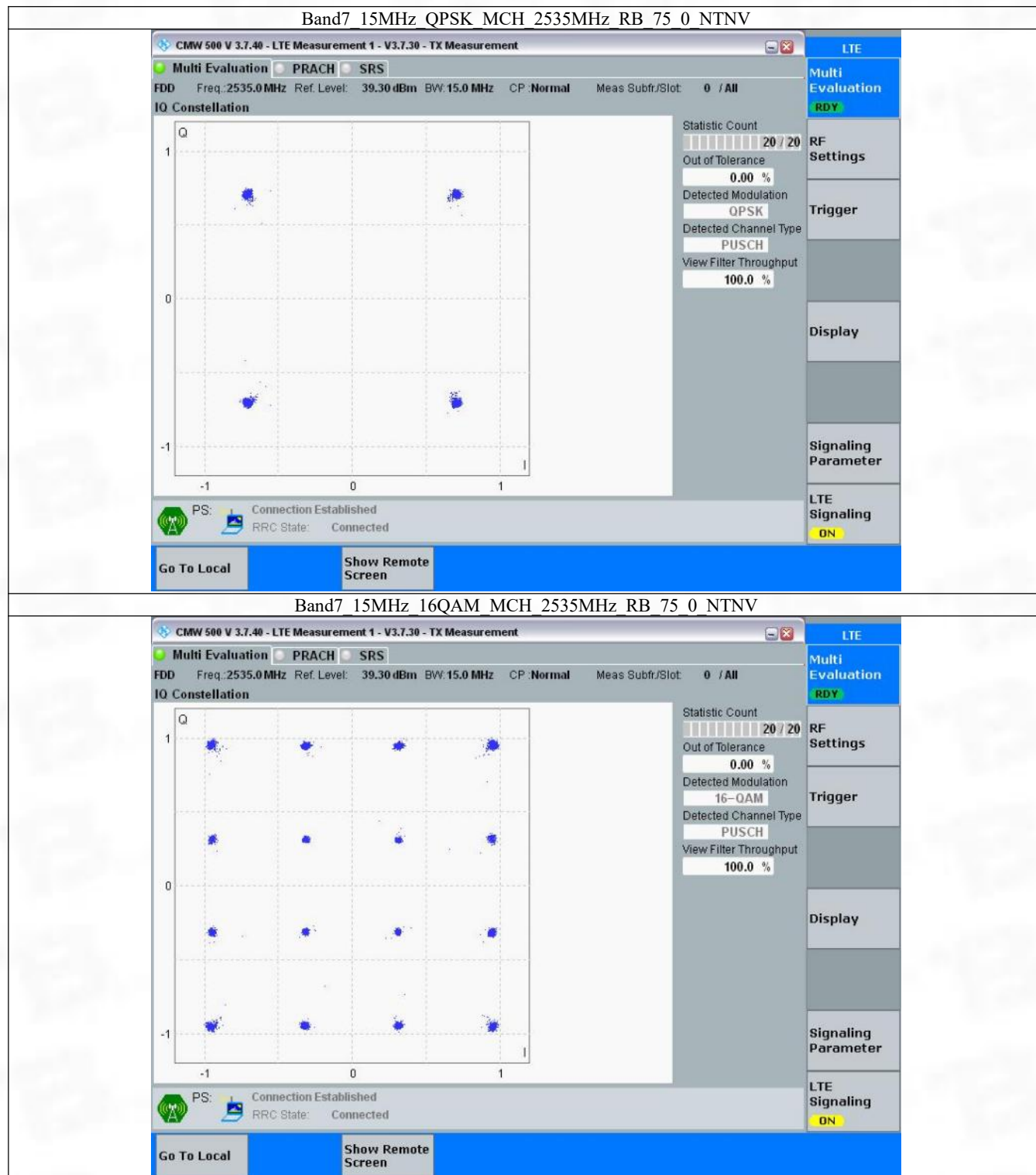
3.2.1 B7_5MHz



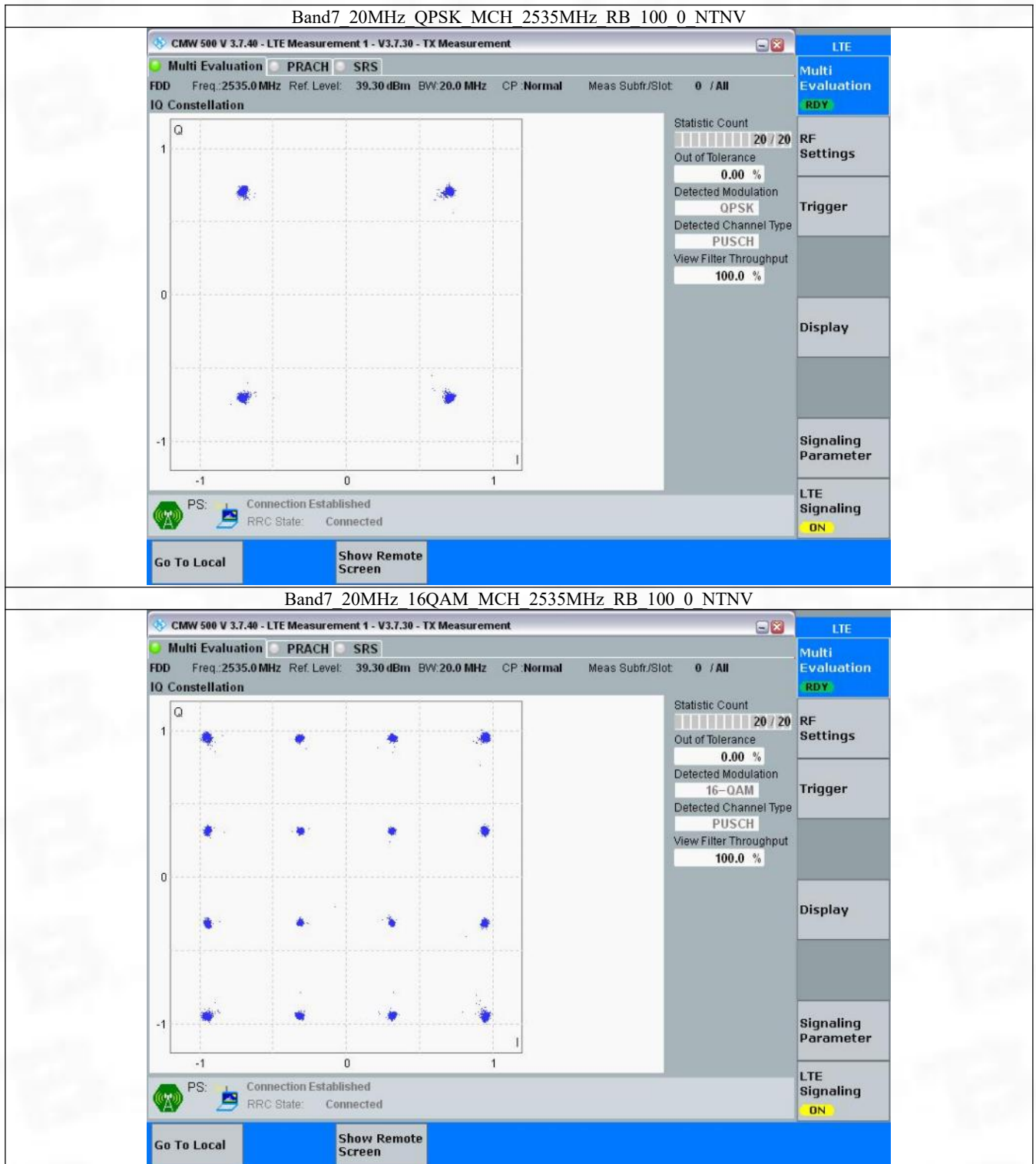
3.2.2 B7_10MHz



3.2.3 B7_15MHz



3.2.4 B7_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band7_OBW

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.537	/	Pass
		2535	25	0	4.532	/	Pass
		2567.5	25	0	4.552	/	Pass
	16QAM	2502.5	25	0	4.560	/	Pass
		2535	25	0	4.565	/	Pass
		2567.5	25	0	4.539	/	Pass
10	QPSK	2505	50	0	9.048	/	Pass
		2535	50	0	9.050	/	Pass
		2565	50	0	9.075	/	Pass
	16QAM	2505	50	0	9.058	/	Pass
		2535	50	0	9.059	/	Pass
		2565	50	0	9.066	/	Pass
15	QPSK	2507.5	75	0	13.606	/	Pass
		2535	75	0	13.570	/	Pass
		2562.5	75	0	13.606	/	Pass
	16QAM	2507.5	75	0	13.627	/	Pass
		2535	75	0	13.571	/	Pass
		2562.5	75	0	13.621	/	Pass
20	QPSK	2510	100	0	18.144	/	Pass
		2535	100	0	18.093	/	Pass
		2560	100	0	18.090	/	Pass
	16QAM	2510	100	0	18.115	/	Pass
		2535	100	0	18.088	/	Pass
		2560	100	0	18.175	/	Pass

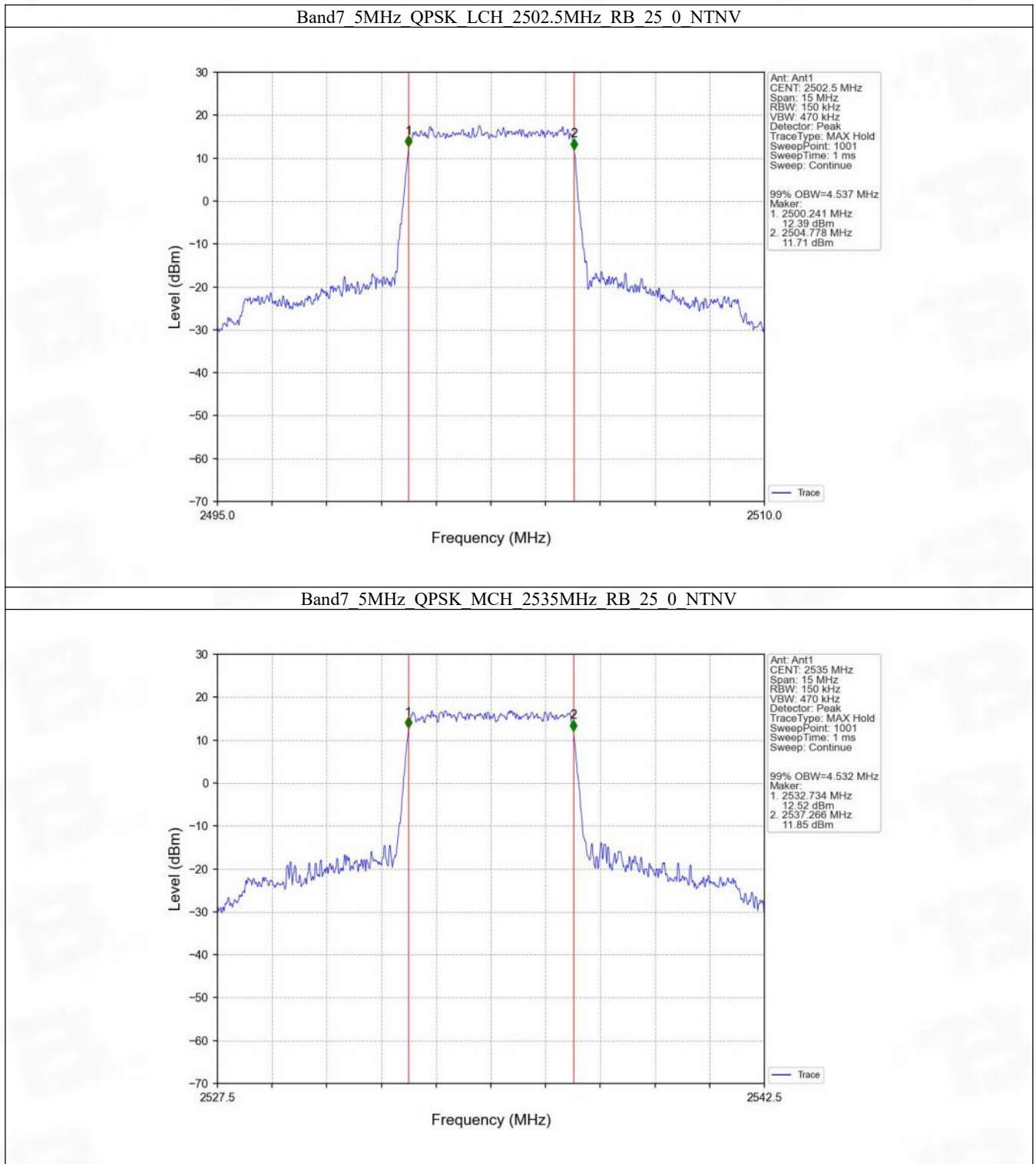
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.012	/	Pass
		2535	25	0	4.989	/	Pass
		2567.5	25	0	5.009	/	Pass
	16QAM	2502.5	25	0	5.039	/	Pass
		2535	25	0	5.020	/	Pass
		2567.5	25	0	4.974	/	Pass
10	QPSK	2505	50	0	9.927	/	Pass
		2535	50	0	9.927	/	Pass
		2565	50	0	9.996	/	Pass
	16QAM	2505	50	0	9.969	/	Pass
		2535	50	0	9.851	/	Pass
		2565	50	0	9.932	/	Pass
15	QPSK	2507.5	75	0	14.953	/	Pass
		2535	75	0	14.822	/	Pass
		2562.5	75	0	15.020	/	Pass
	16QAM	2507.5	75	0	14.836	/	Pass
		2535	75	0	14.897	/	Pass
		2562.5	75	0	14.897	/	Pass

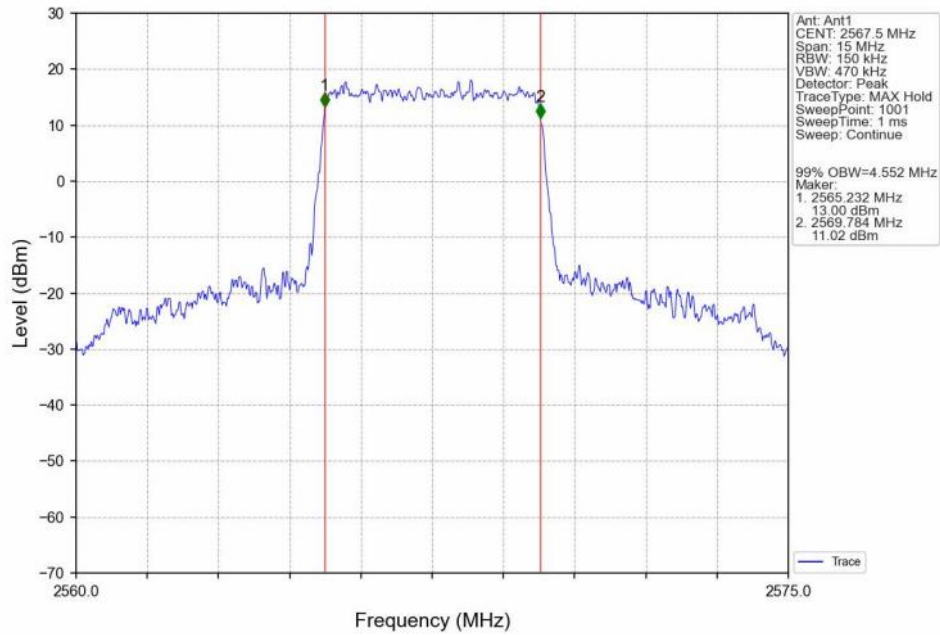
20	QPSK	2562.5	75	0	14.909	/	Pass
		2510	100	0	19.921	/	Pass
		2535	100	0	19.782	/	Pass
		2560	100	0	19.707	/	Pass
	16QAM	2510	100	0	19.874	/	Pass
		2535	100	0	19.569	/	Pass
		2560	100	0	19.710	/	Pass

4.2 Test Graph

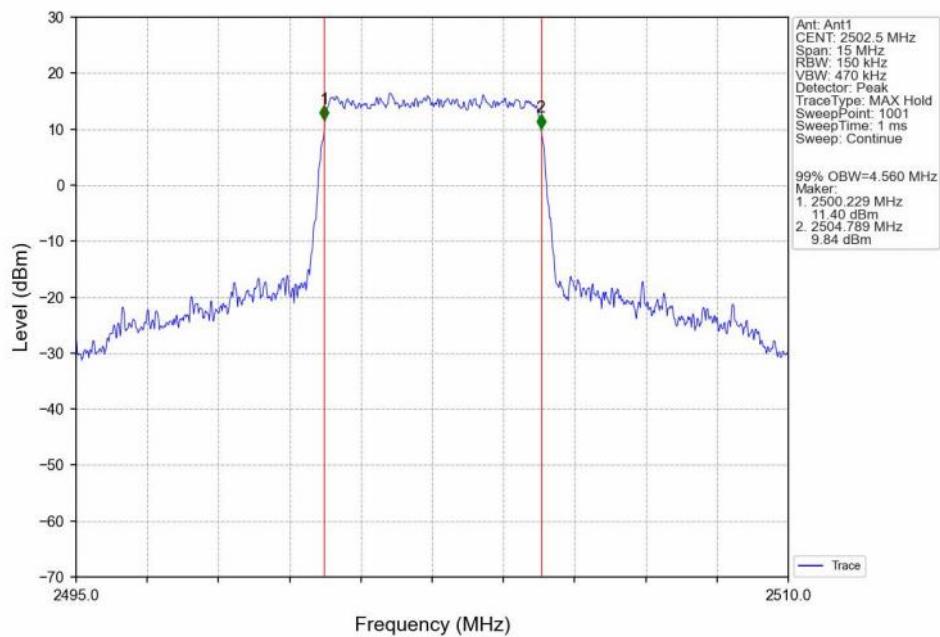
4.2.1 Band7_OBW



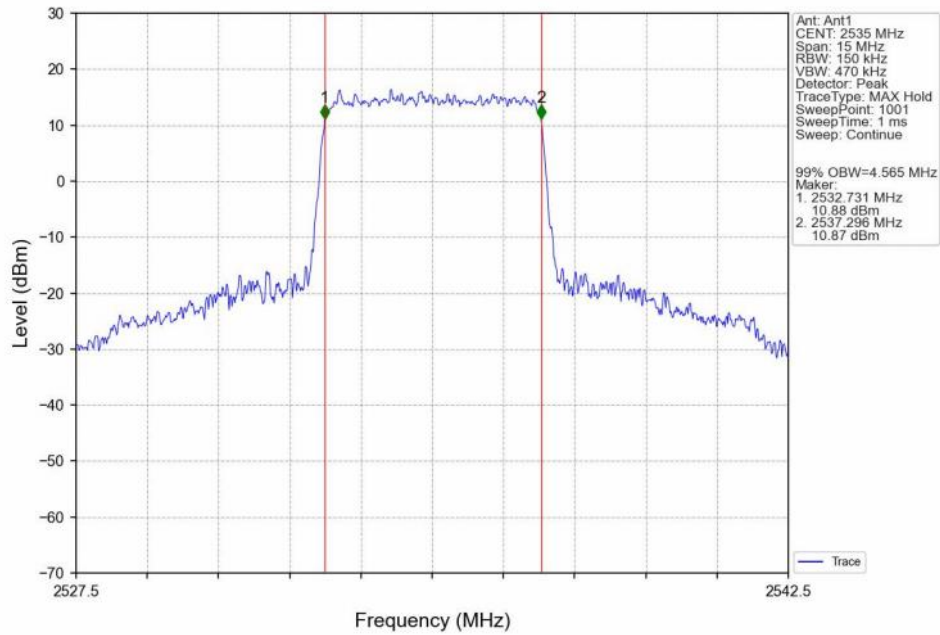
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



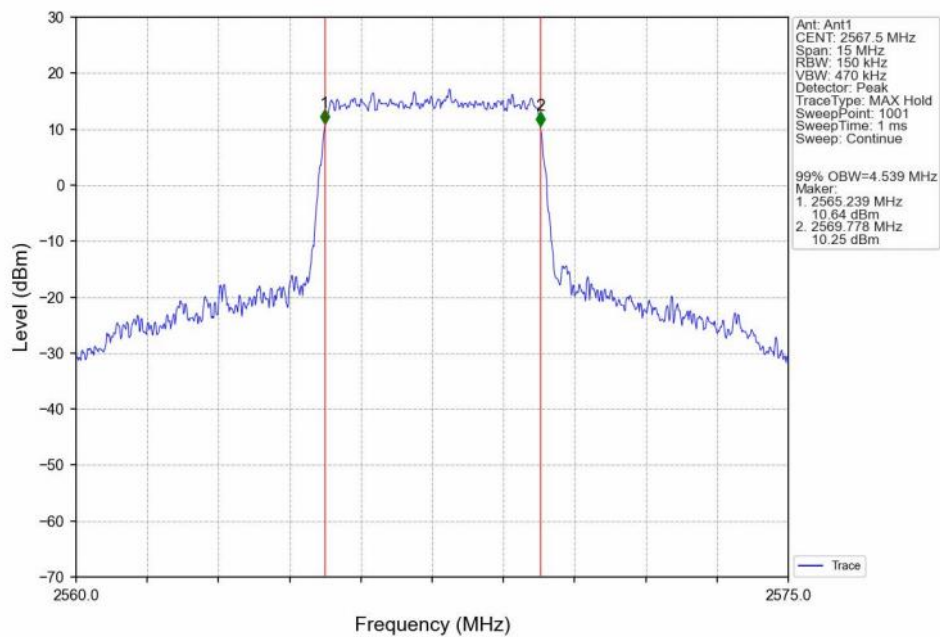
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



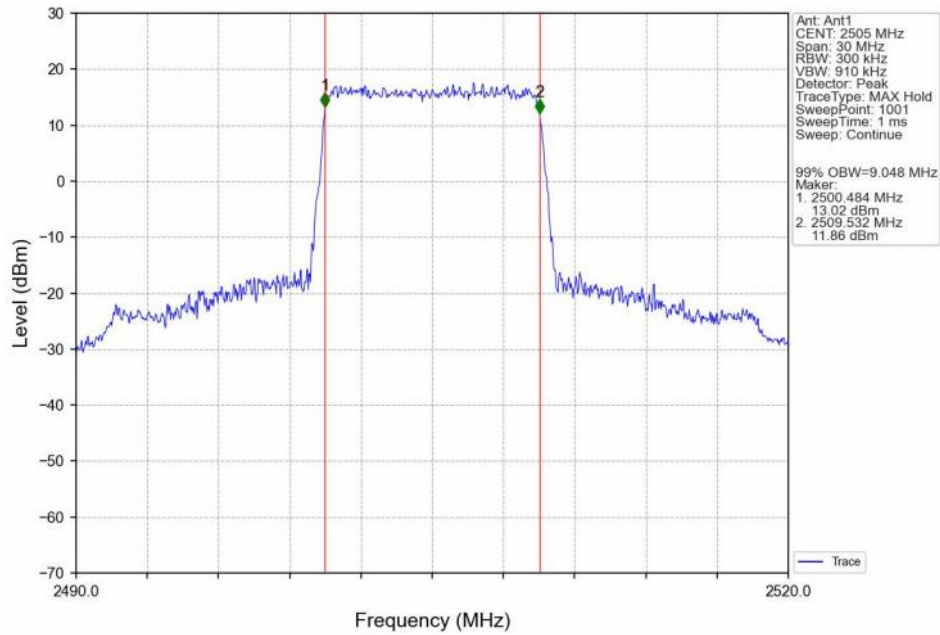
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



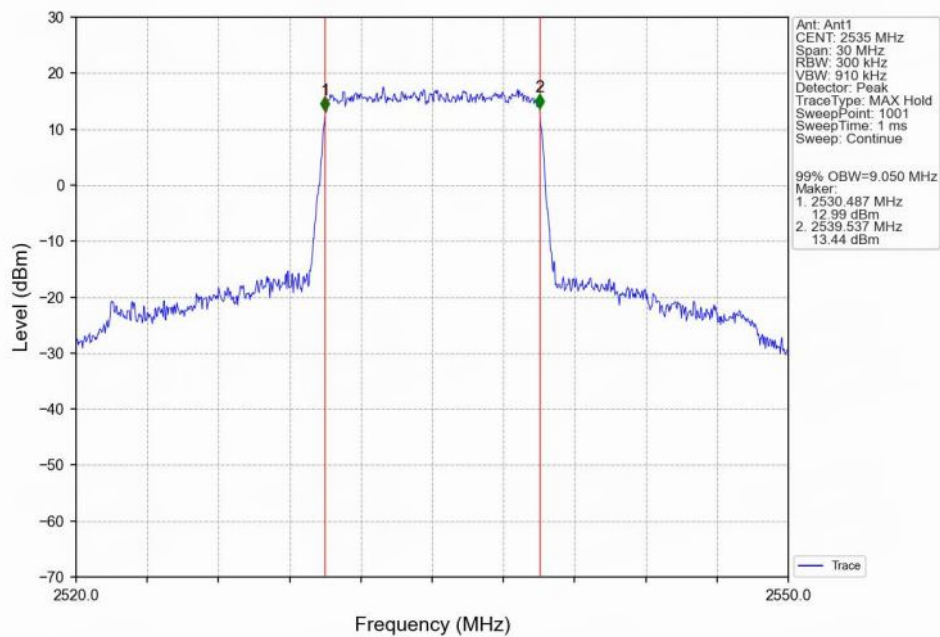
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



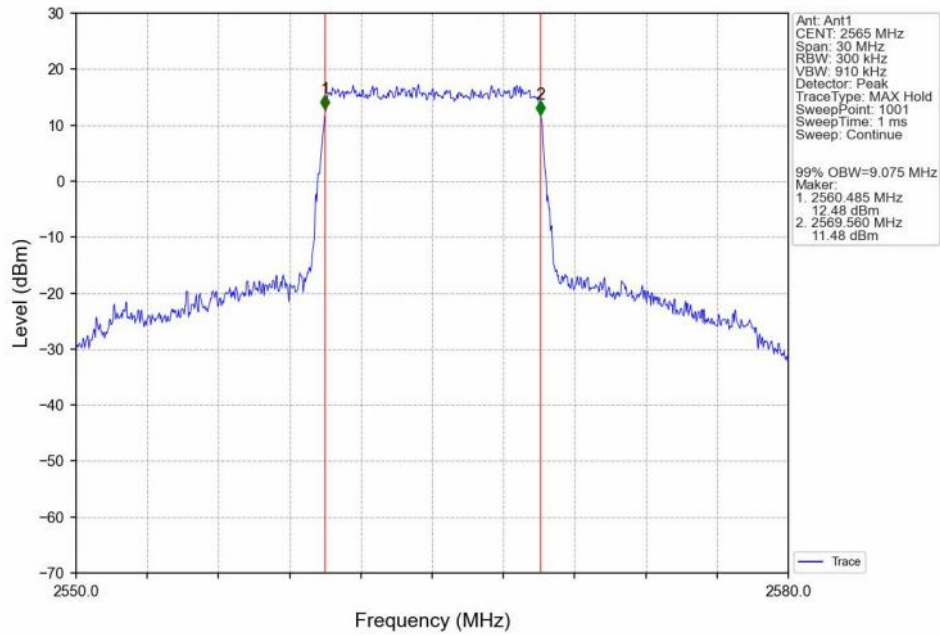
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



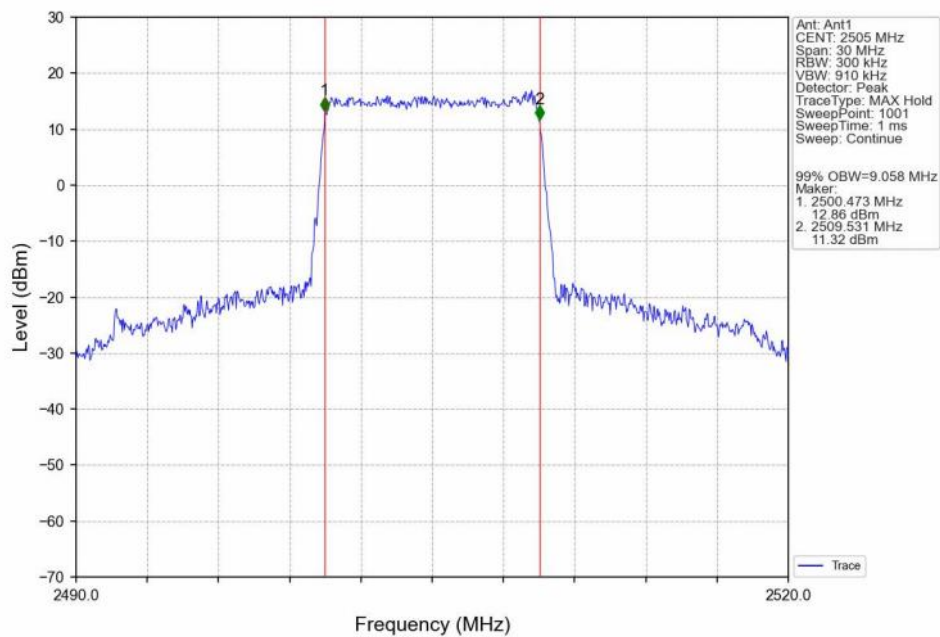
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



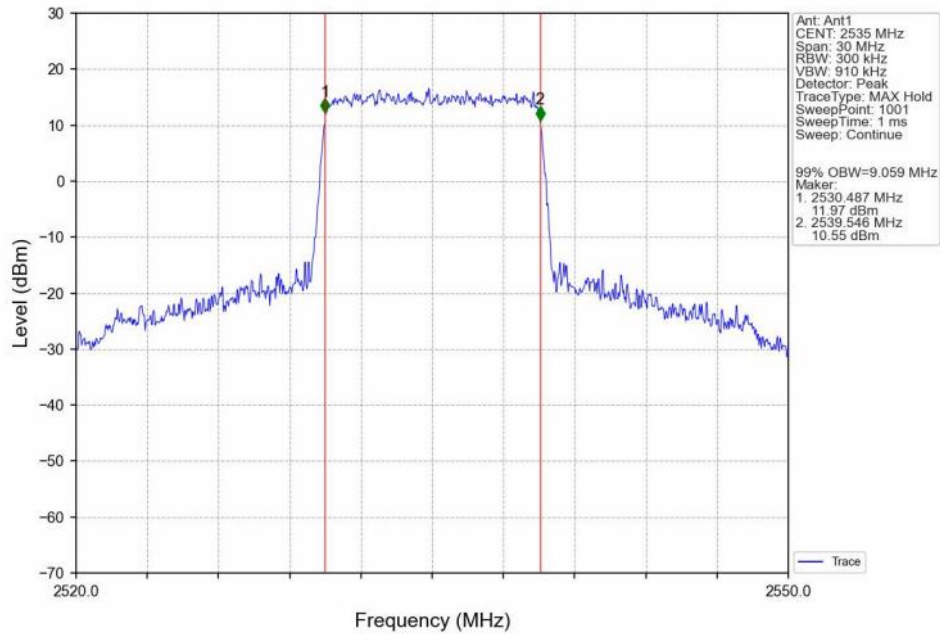
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



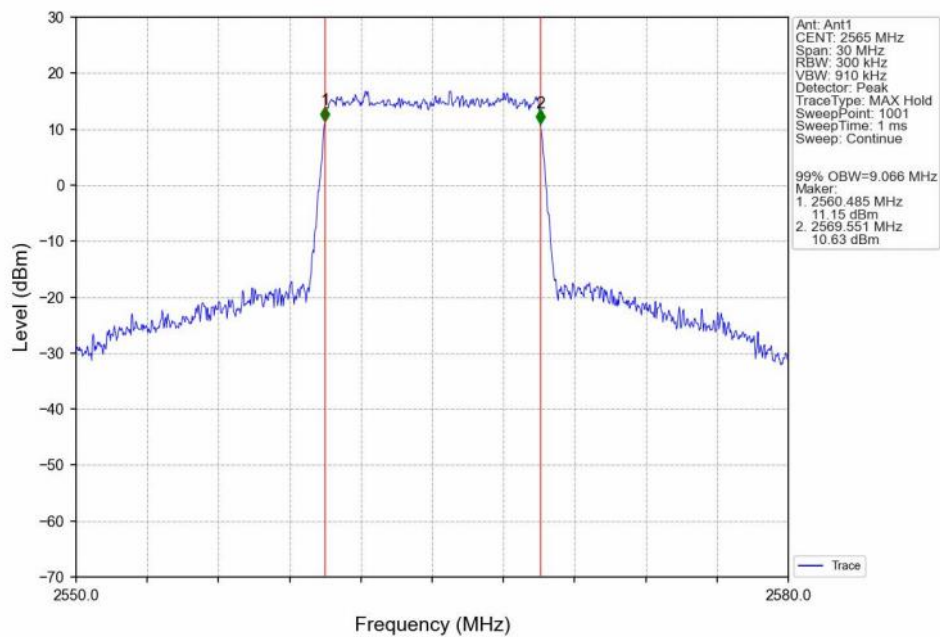
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



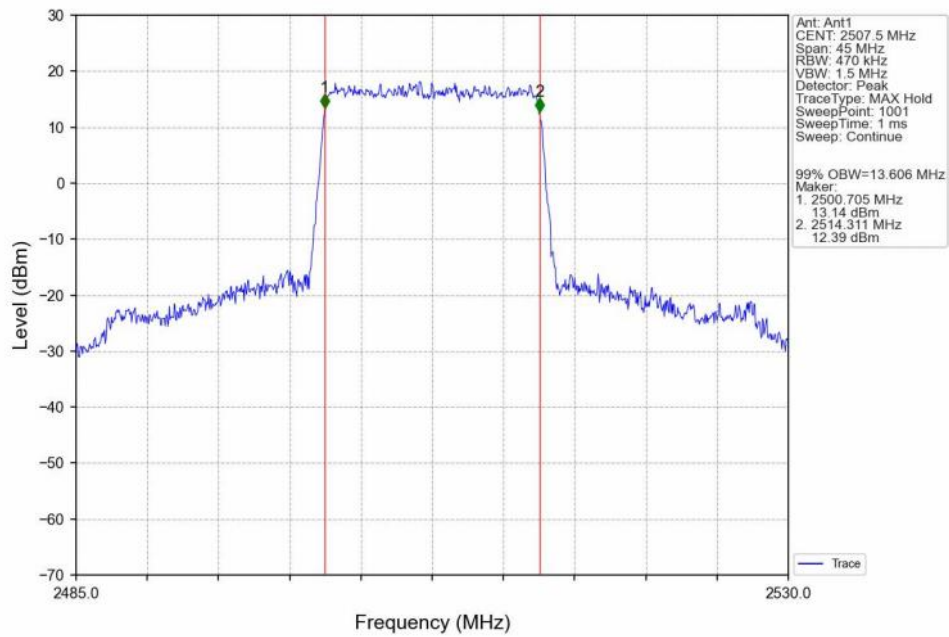
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



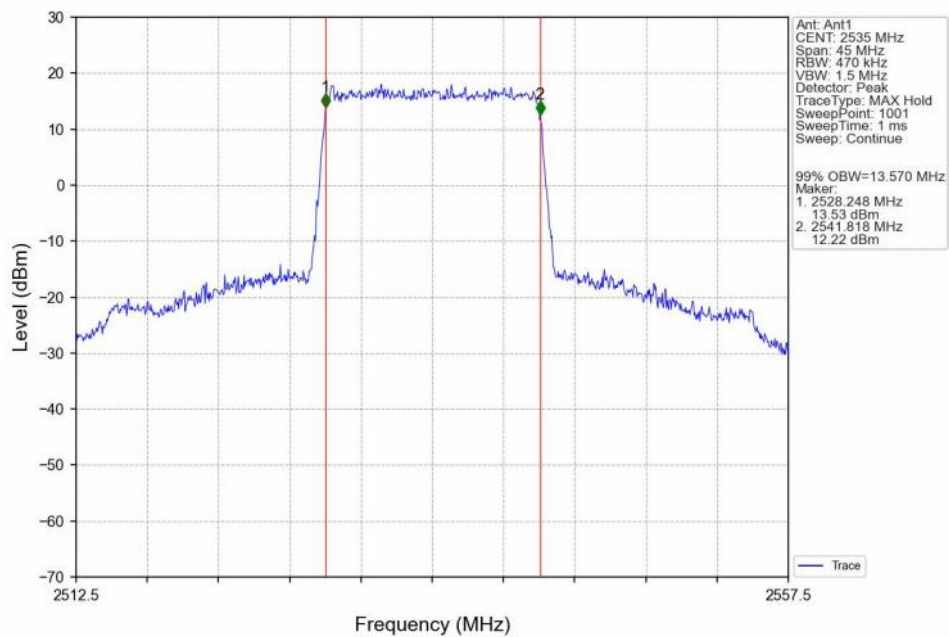
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



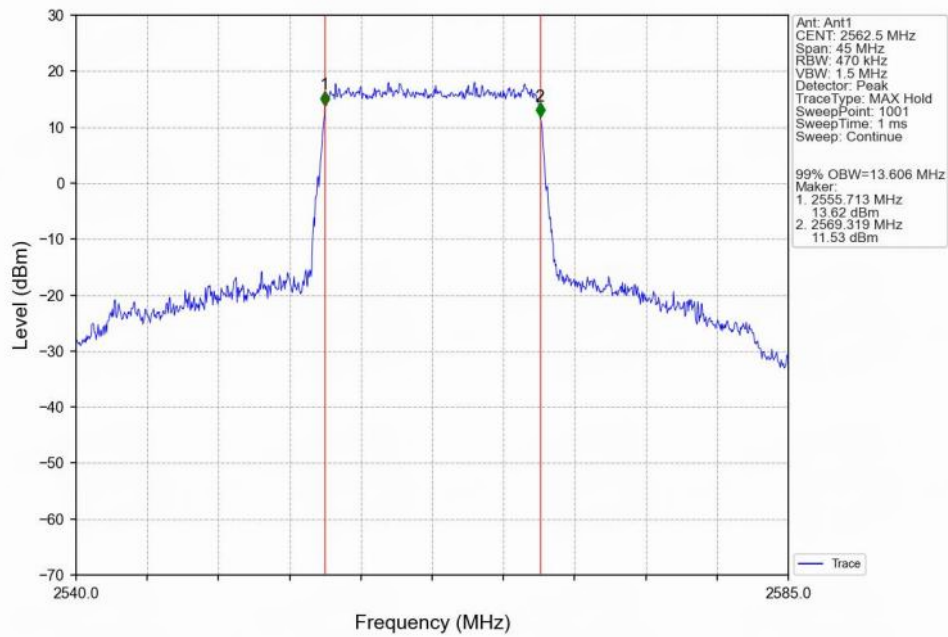
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



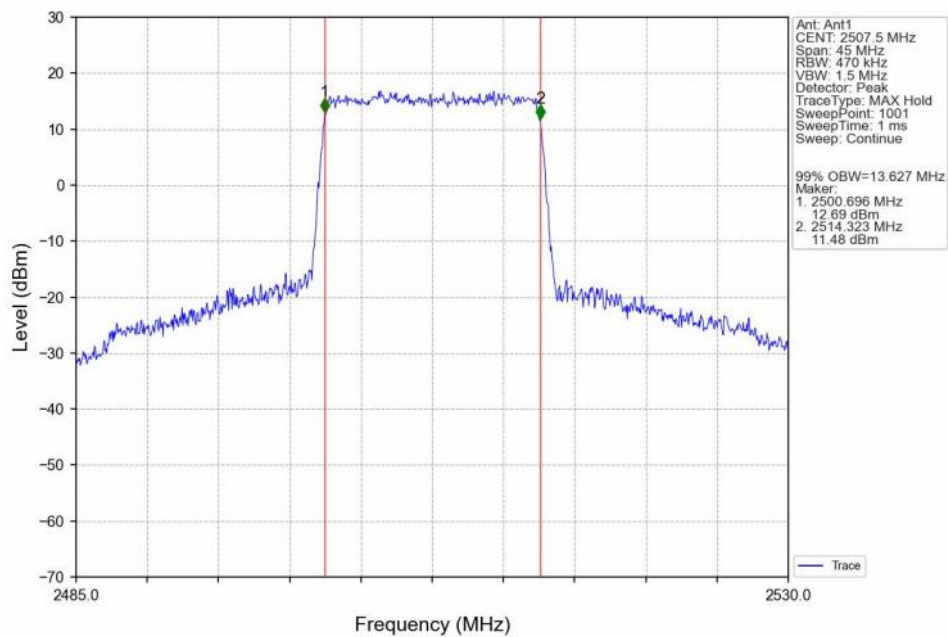
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



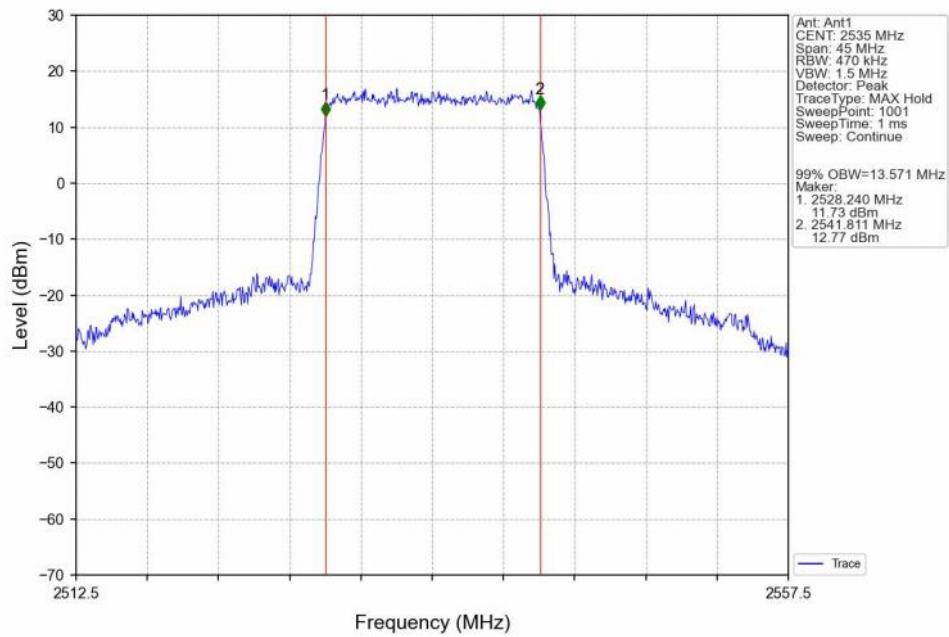
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



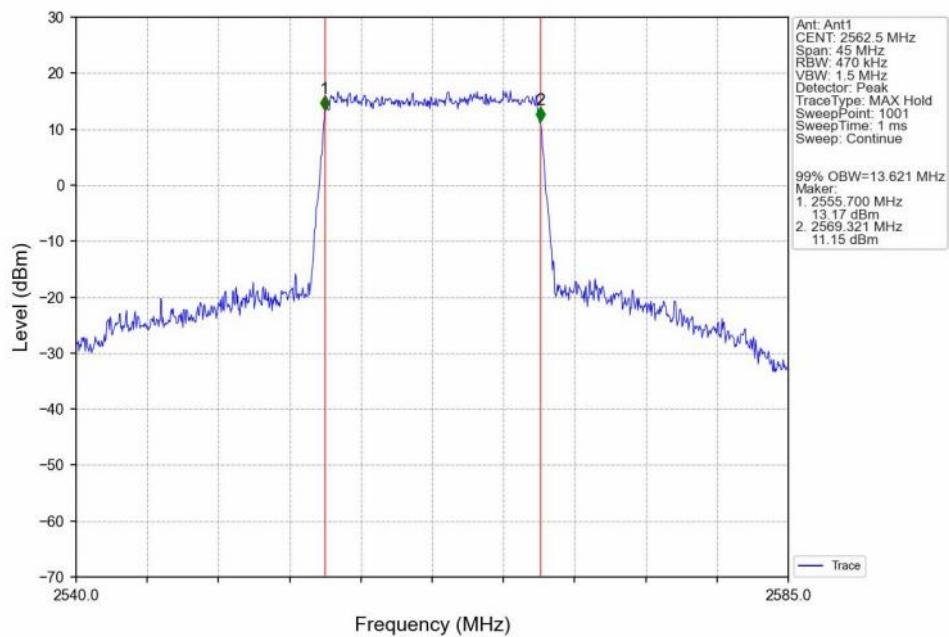
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



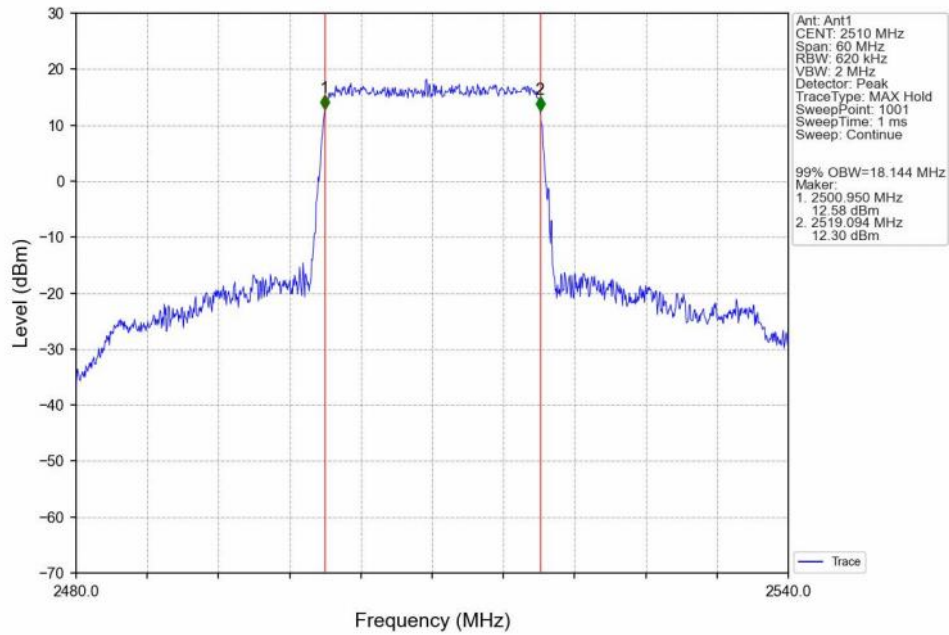
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



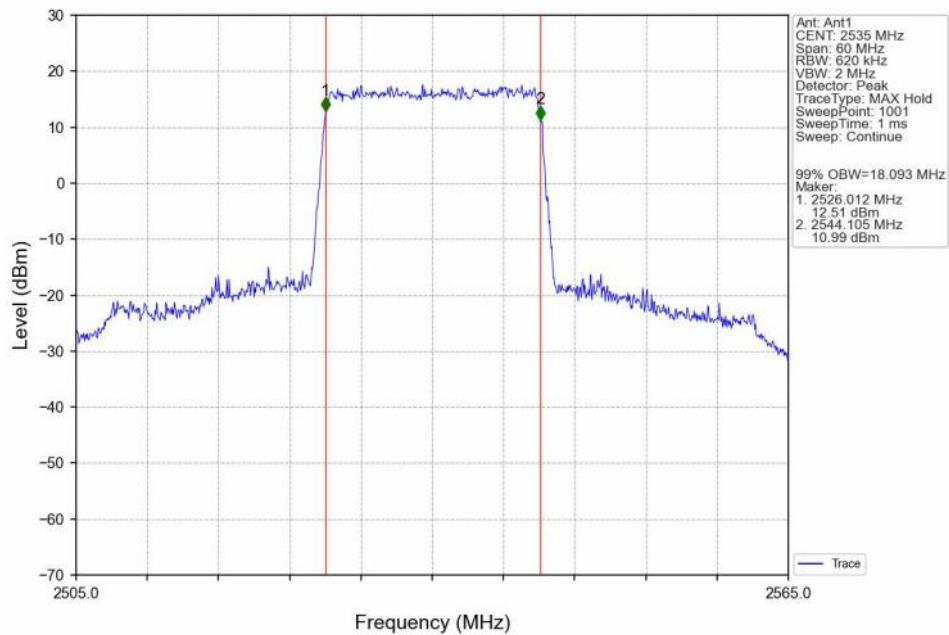
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



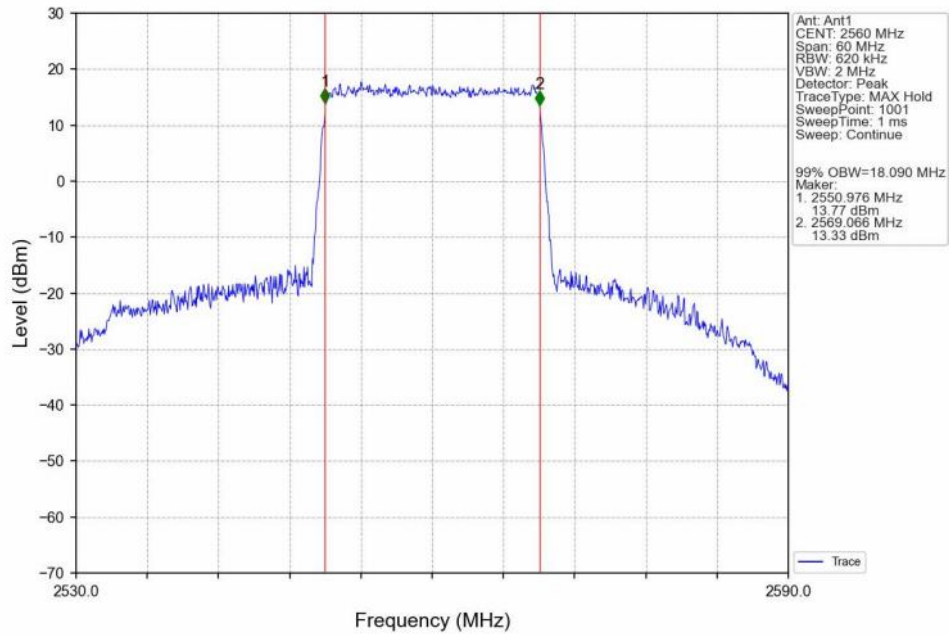
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



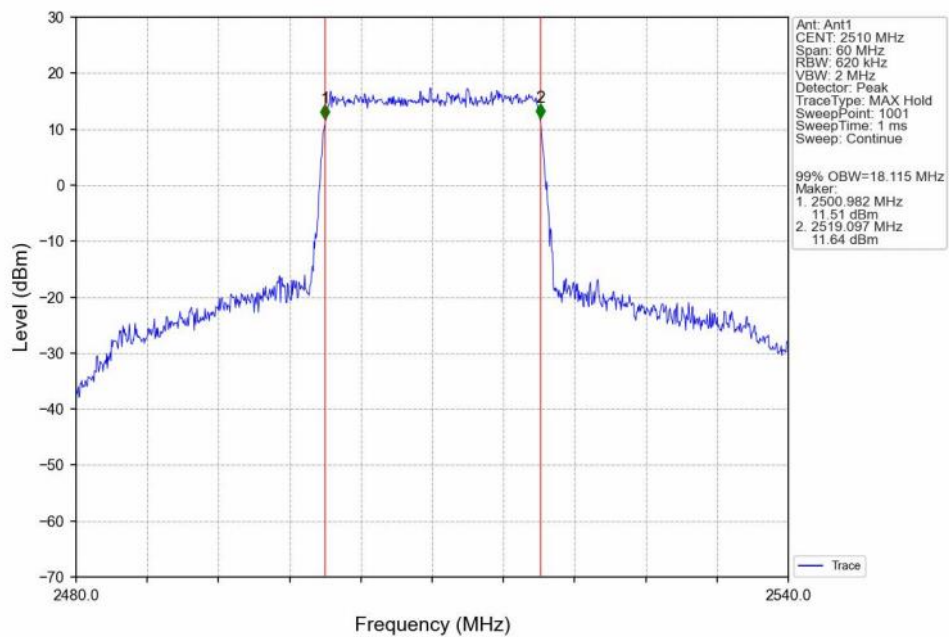
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



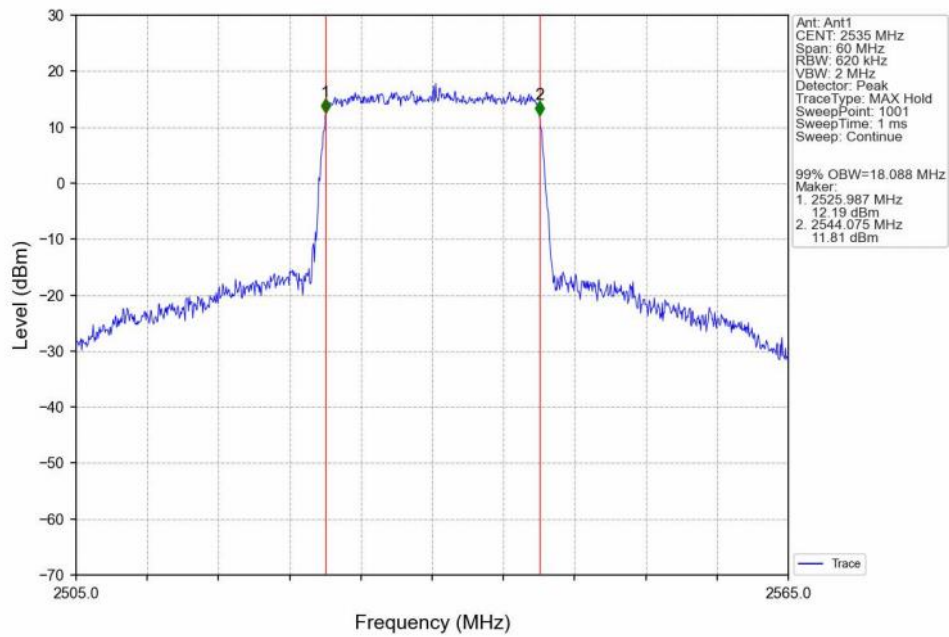
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



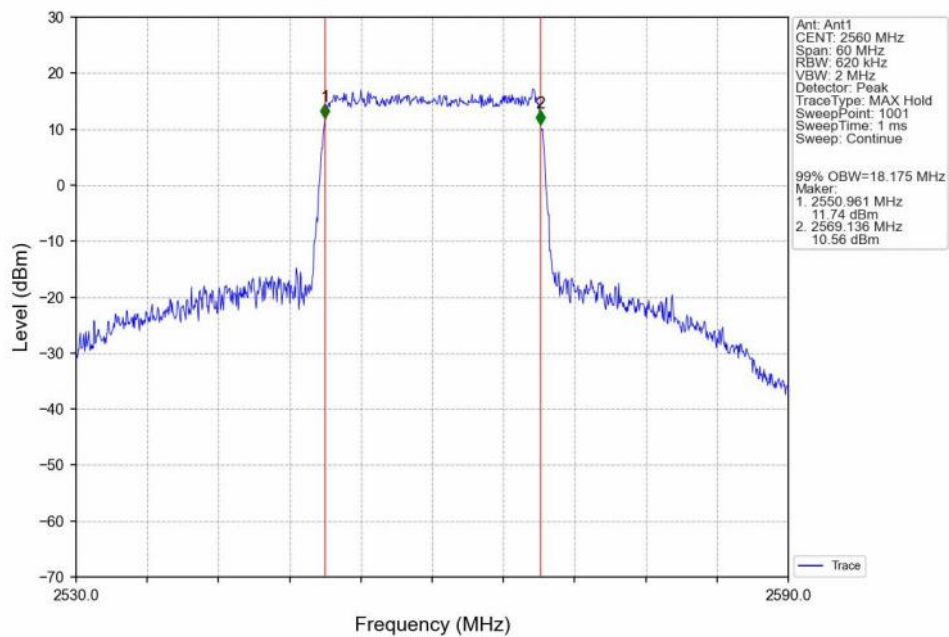
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



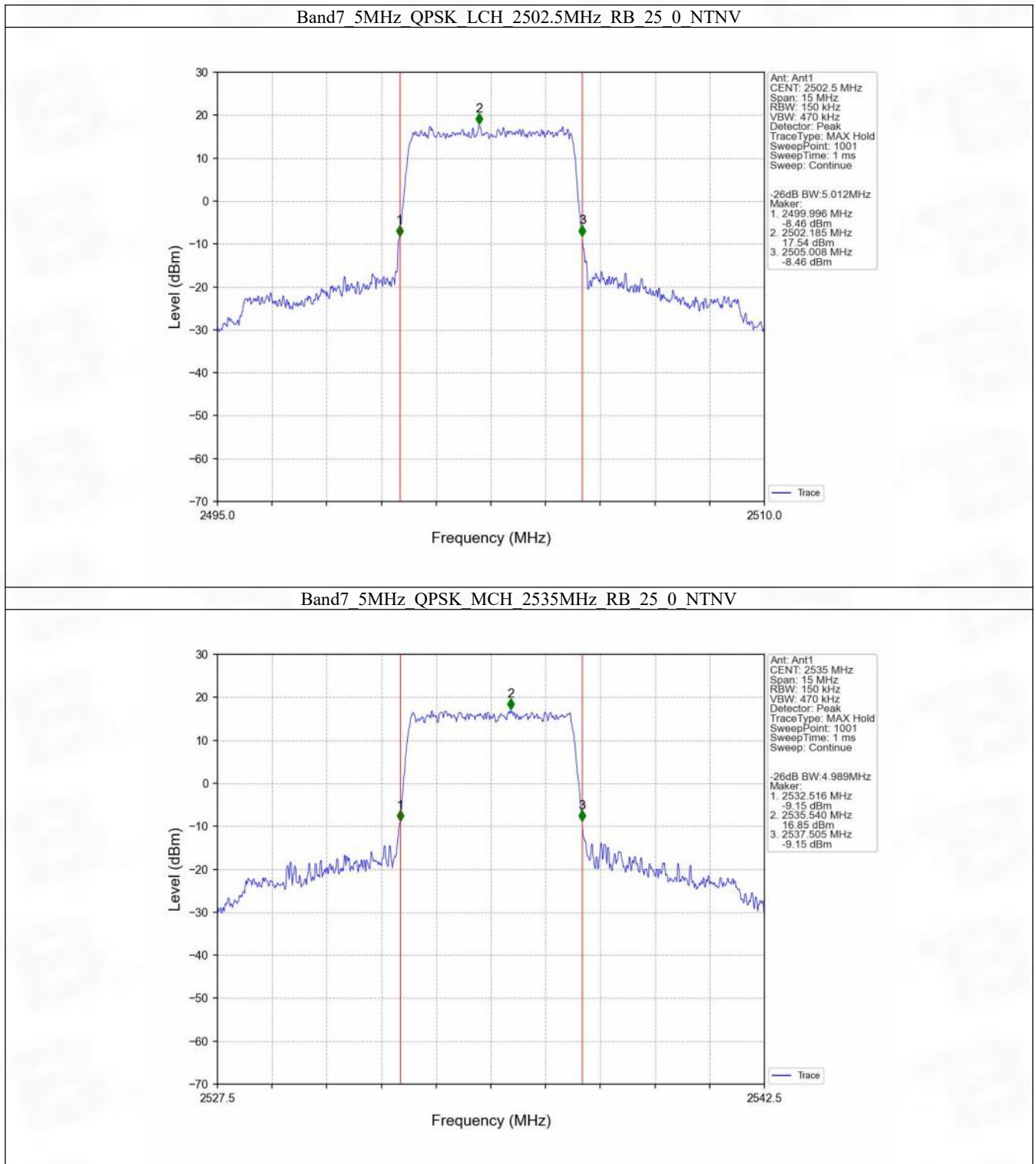
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



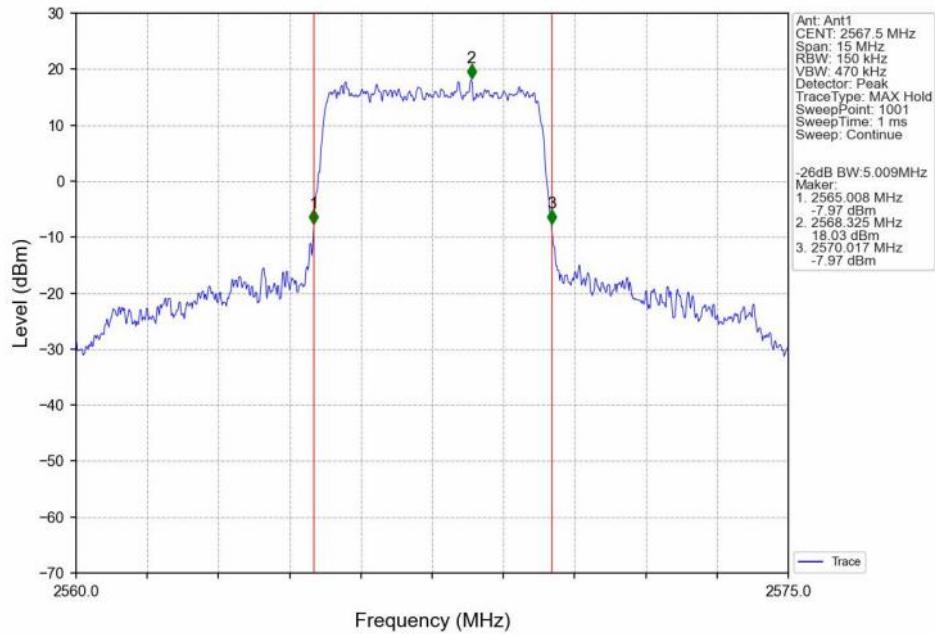
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



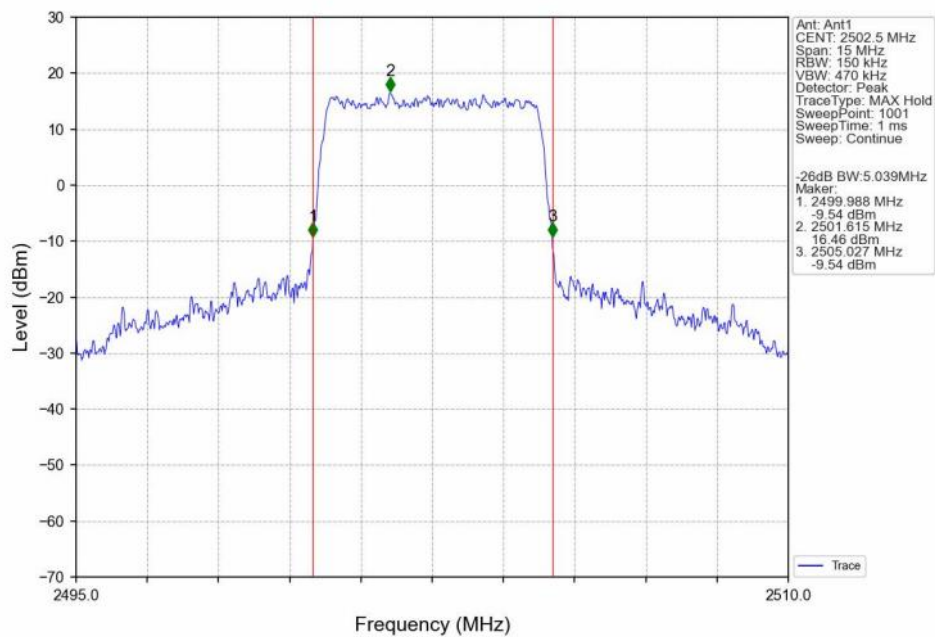
4.2.2 Band7_XDB



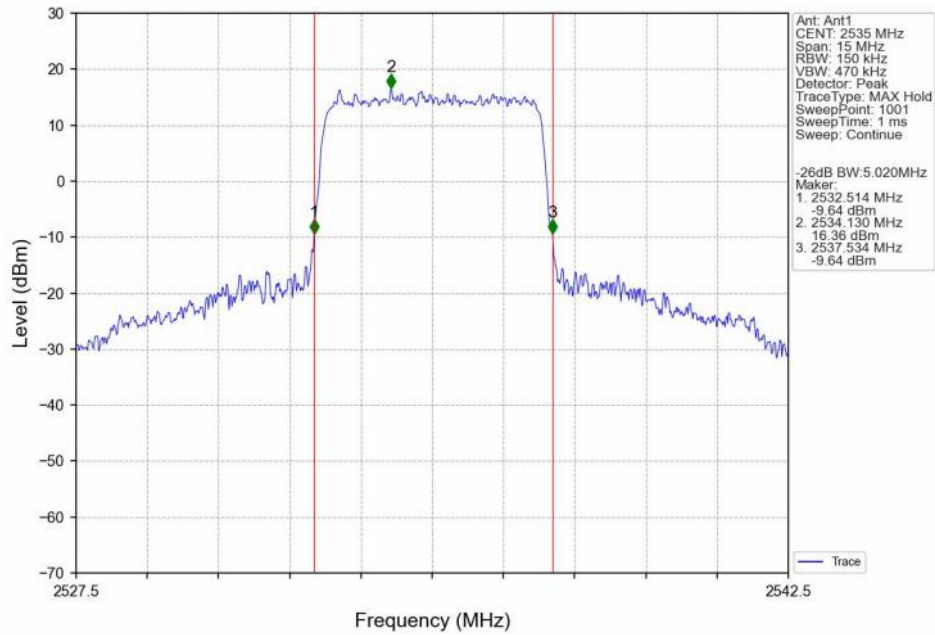
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



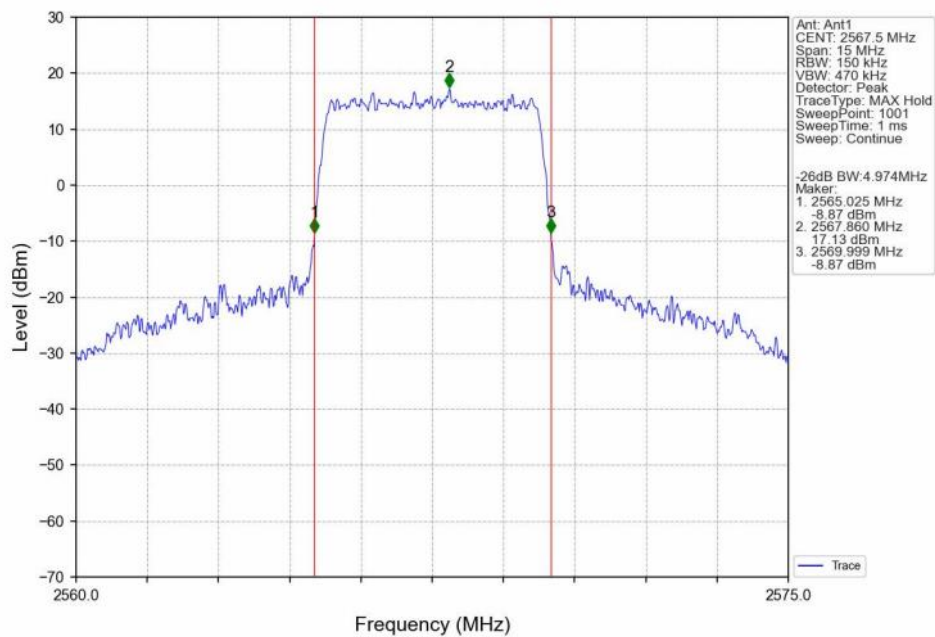
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



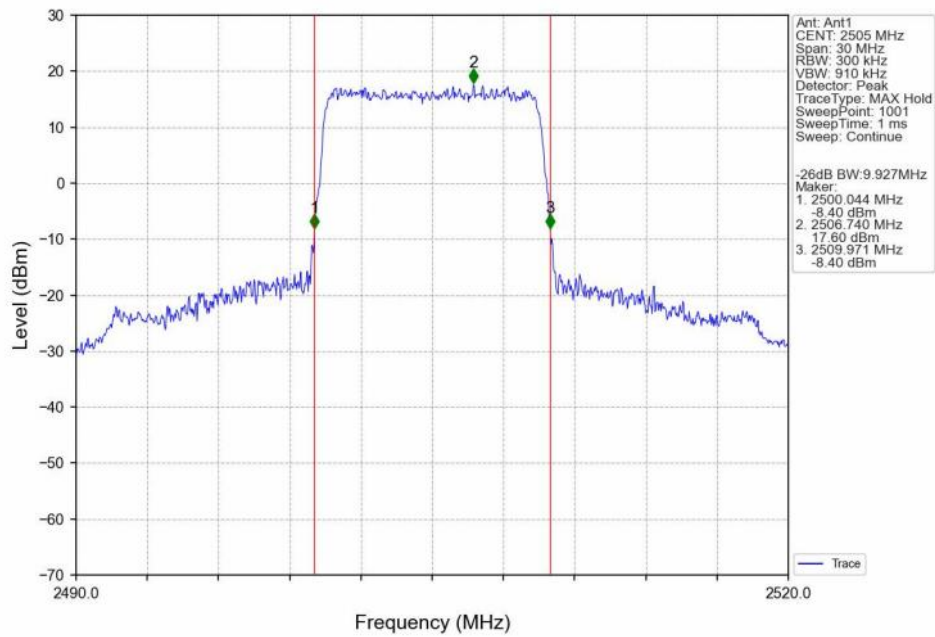
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



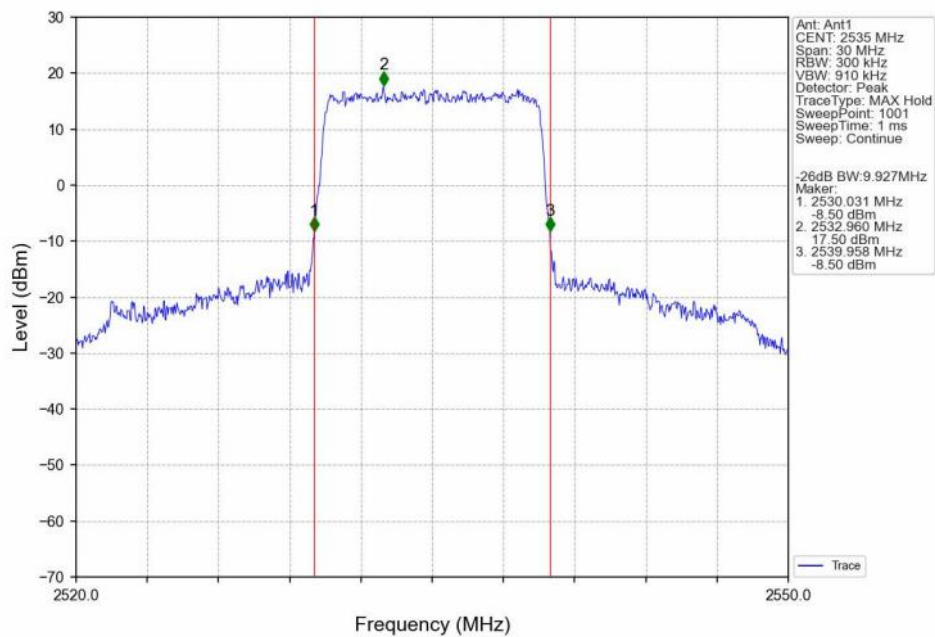
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



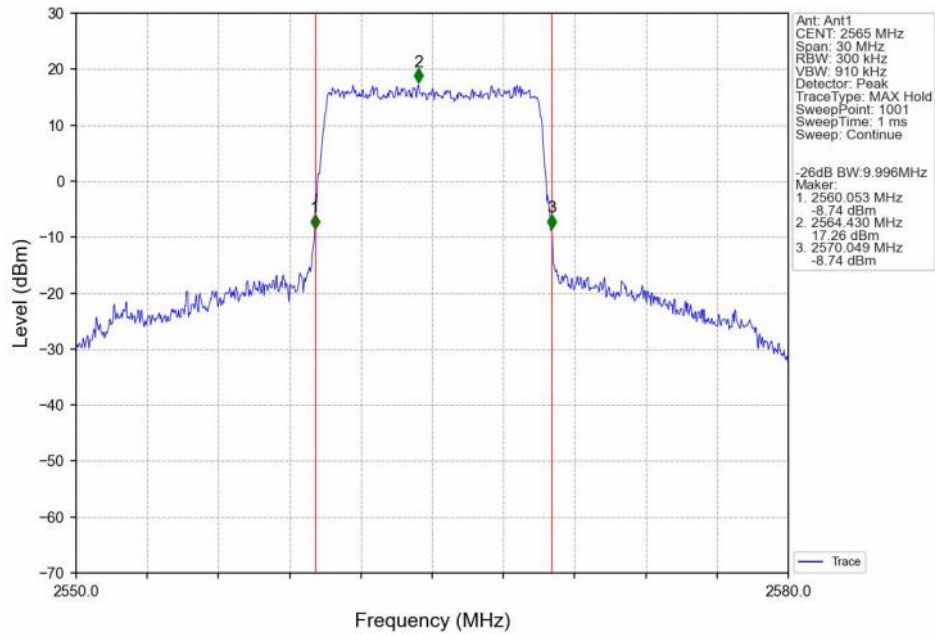
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



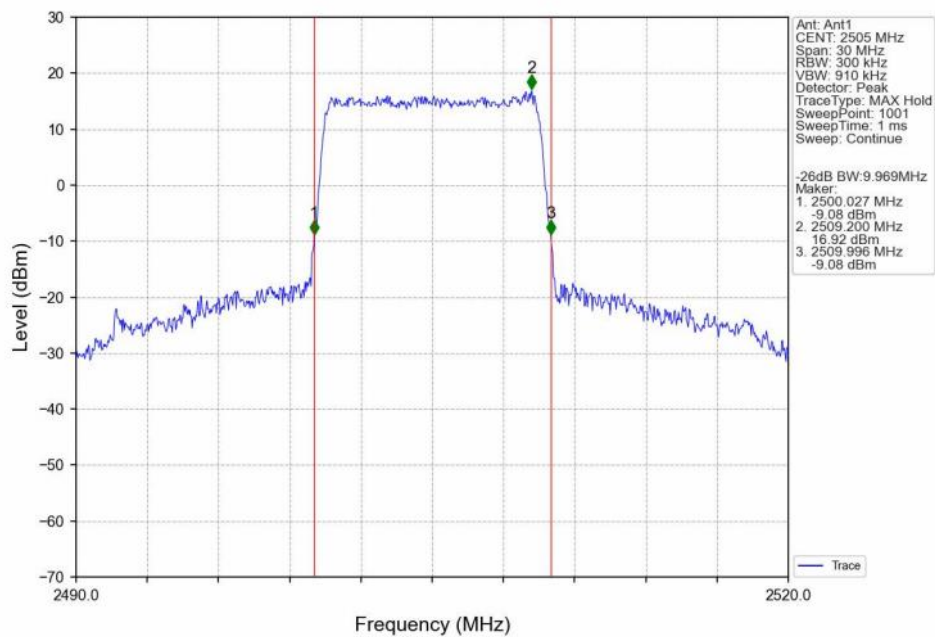
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



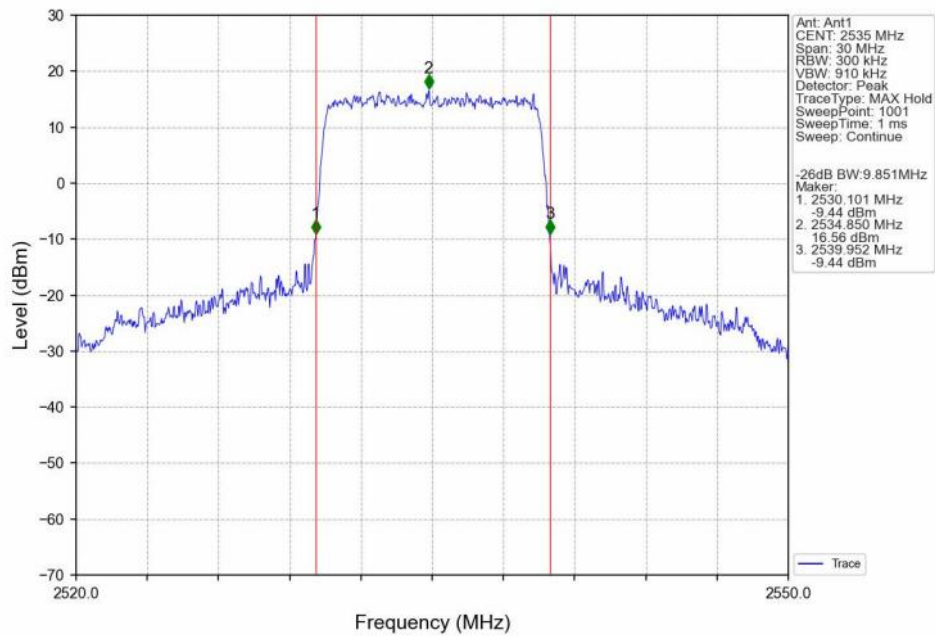
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



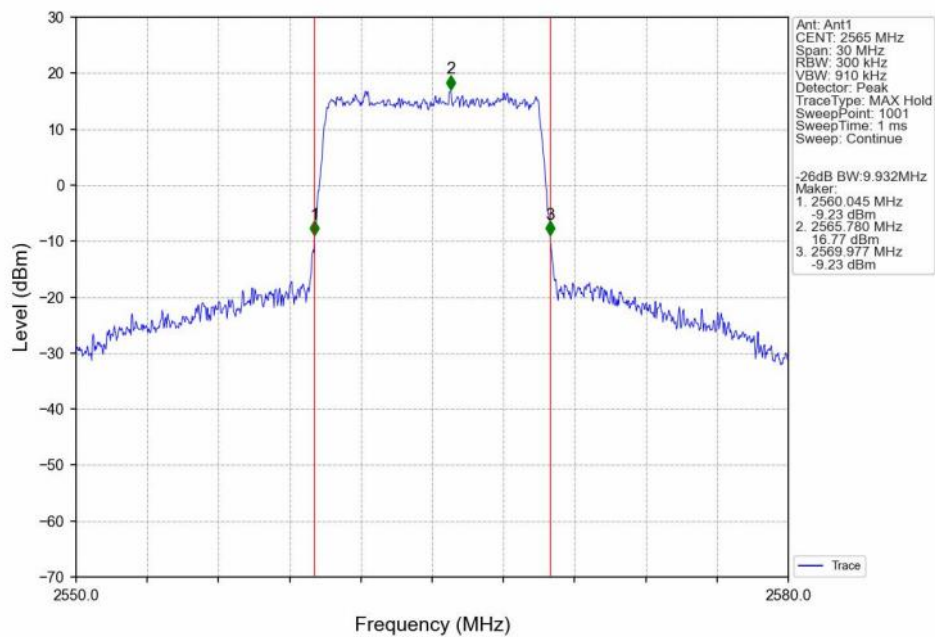
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



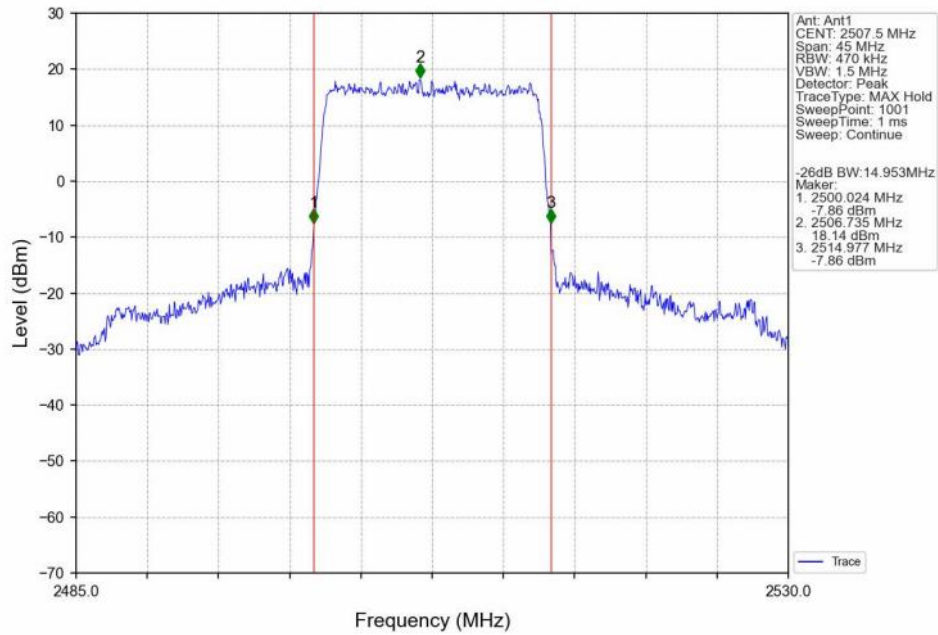
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



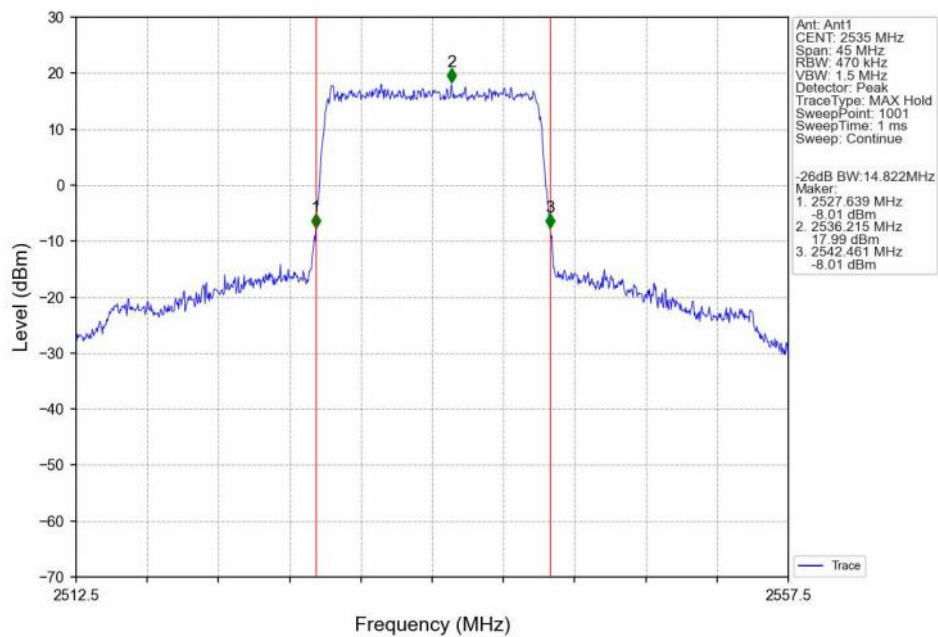
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



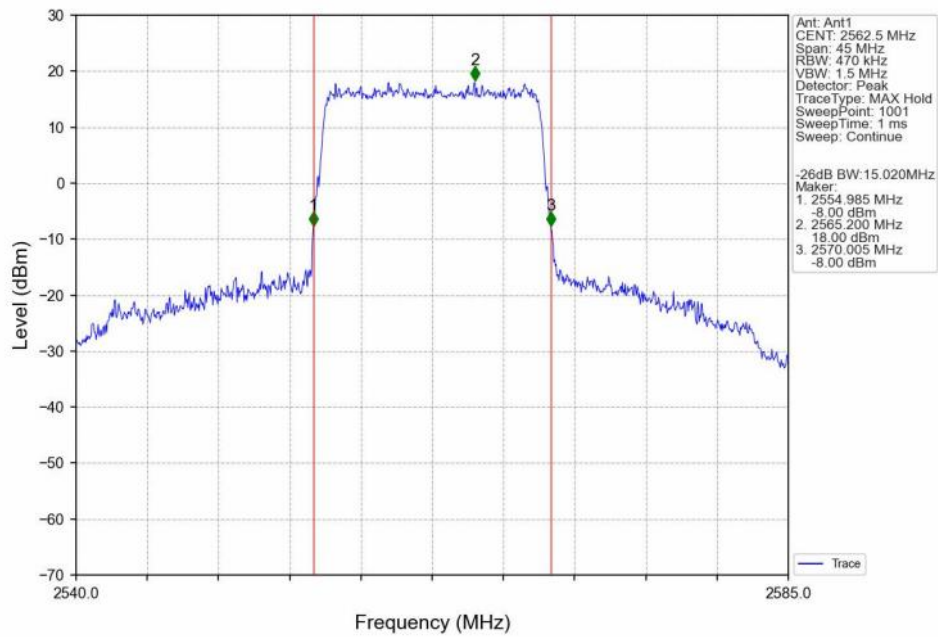
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



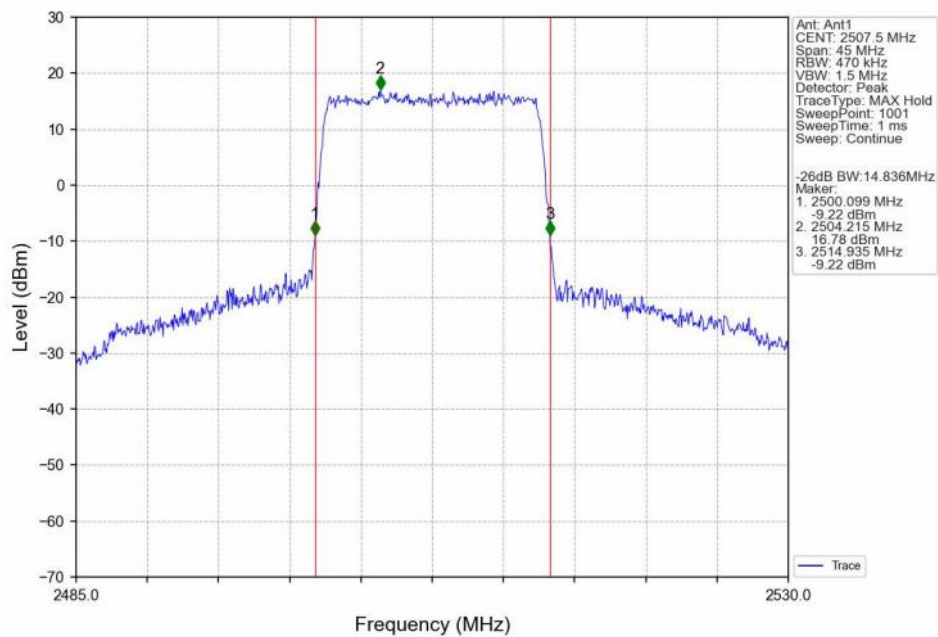
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



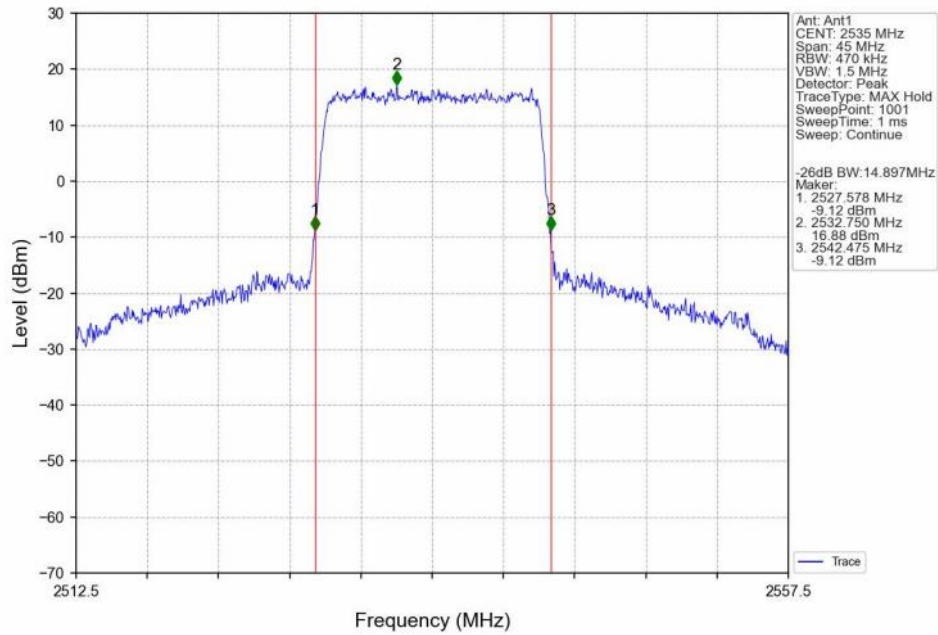
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



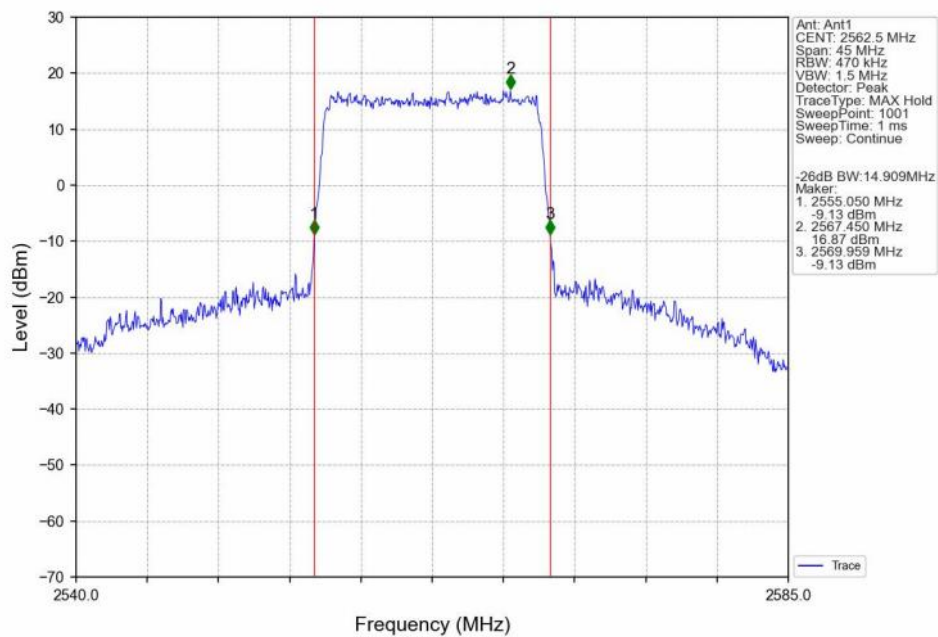
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



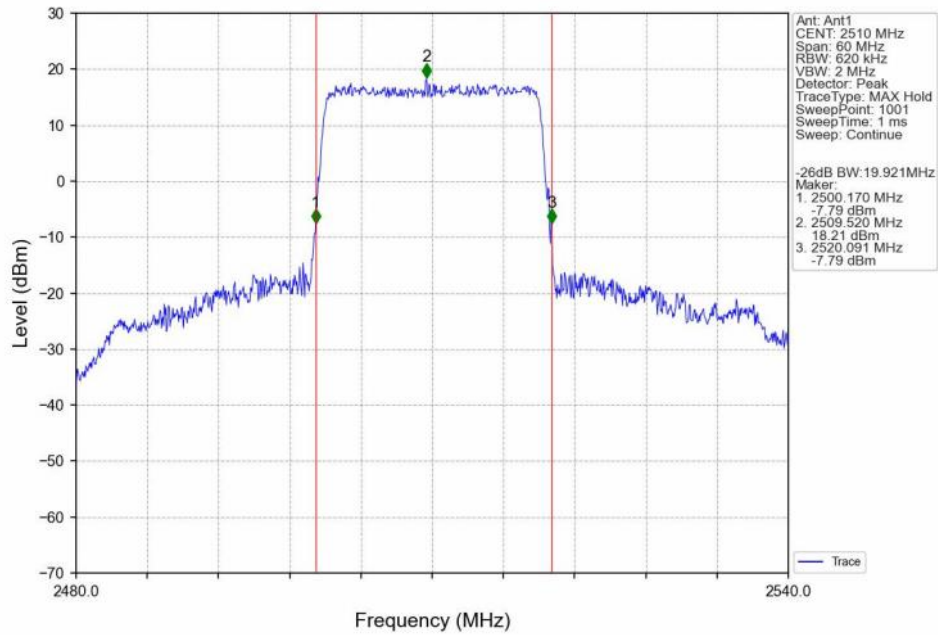
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



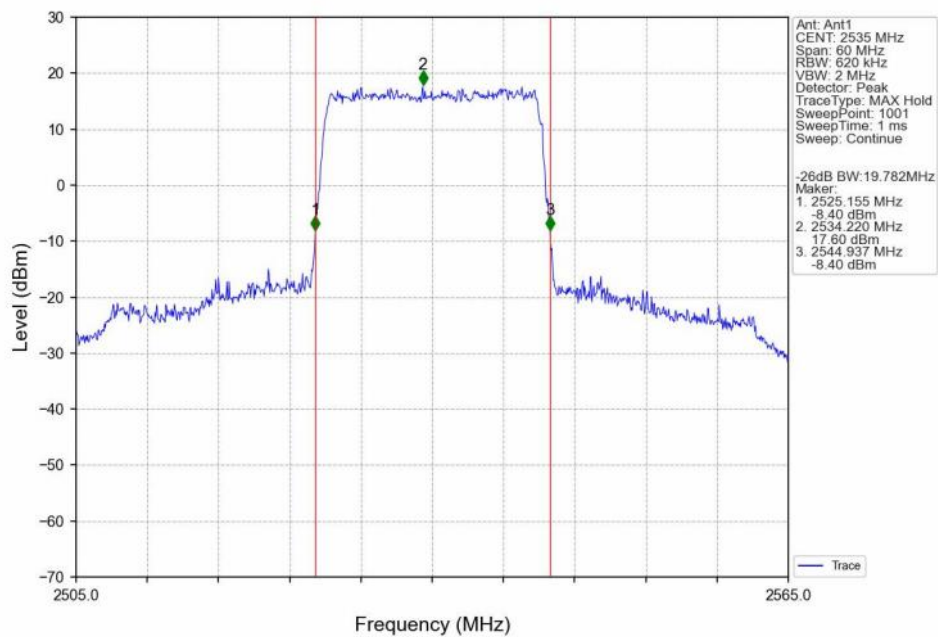
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



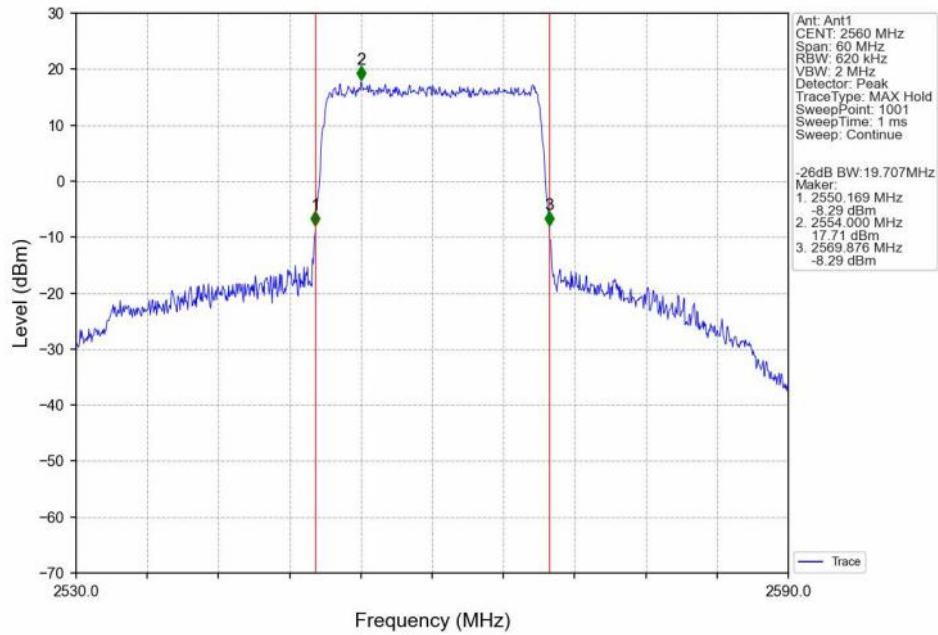
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



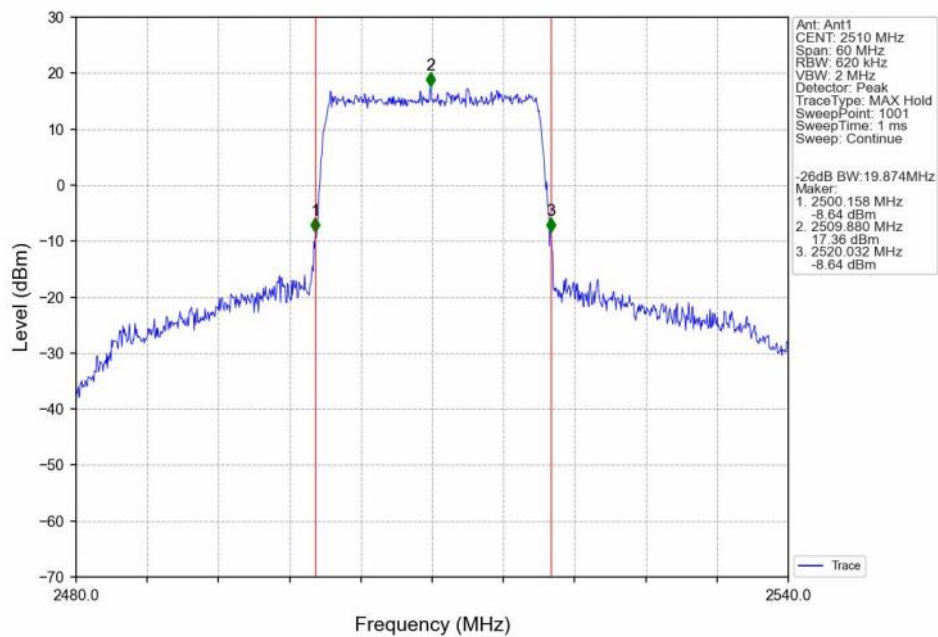
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



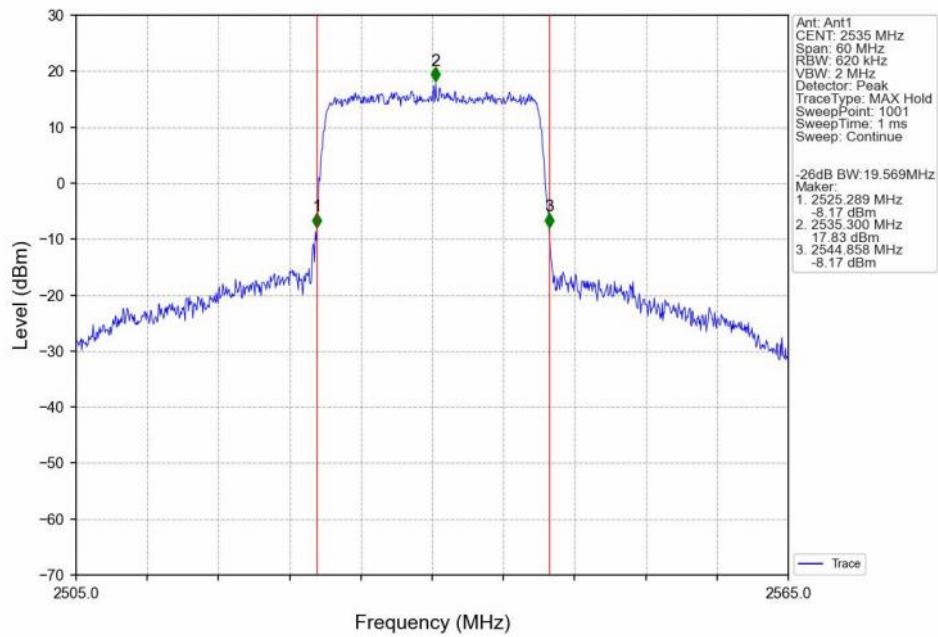
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



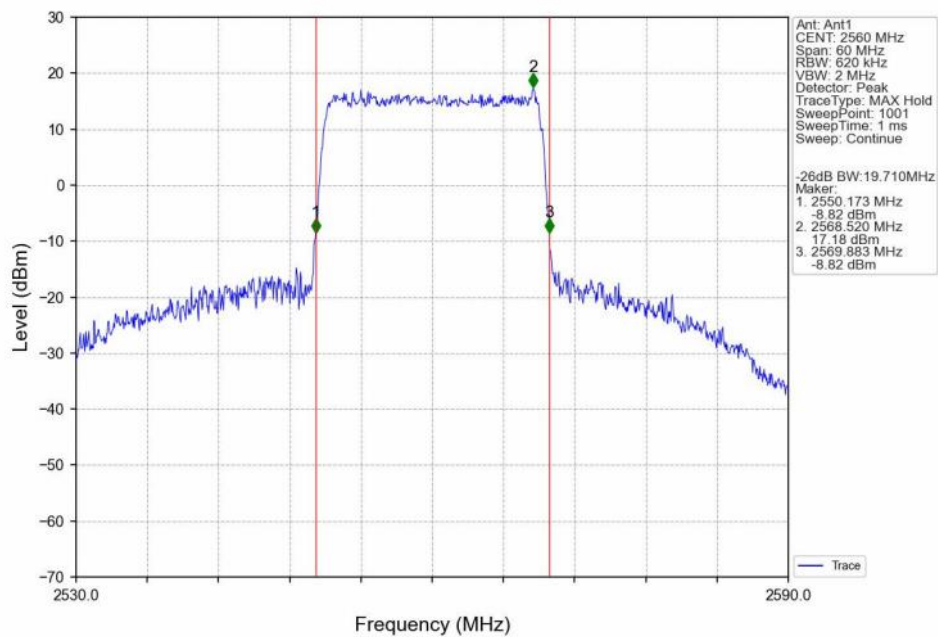
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.15	<=13	Pass
	2535	25	0	4.99	<=13	Pass
	2567.5	25	0	5.24	<=13	Pass
16QAM	2502.5	25	0	5.90	<=13	Pass
	2535	25	0	5.76	<=13	Pass
	2567.5	25	0	5.96	<=13	Pass

5.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	5.22	<=13	Pass
	2535	50	0	5.07	<=13	Pass
	2565	50	0	5.32	<=13	Pass
16QAM	2505	50	0	6.03	<=13	Pass
	2535	50	0	5.90	<=13	Pass
	2565	50	0	6.07	<=13	Pass

5.1.3 B7_15MHz

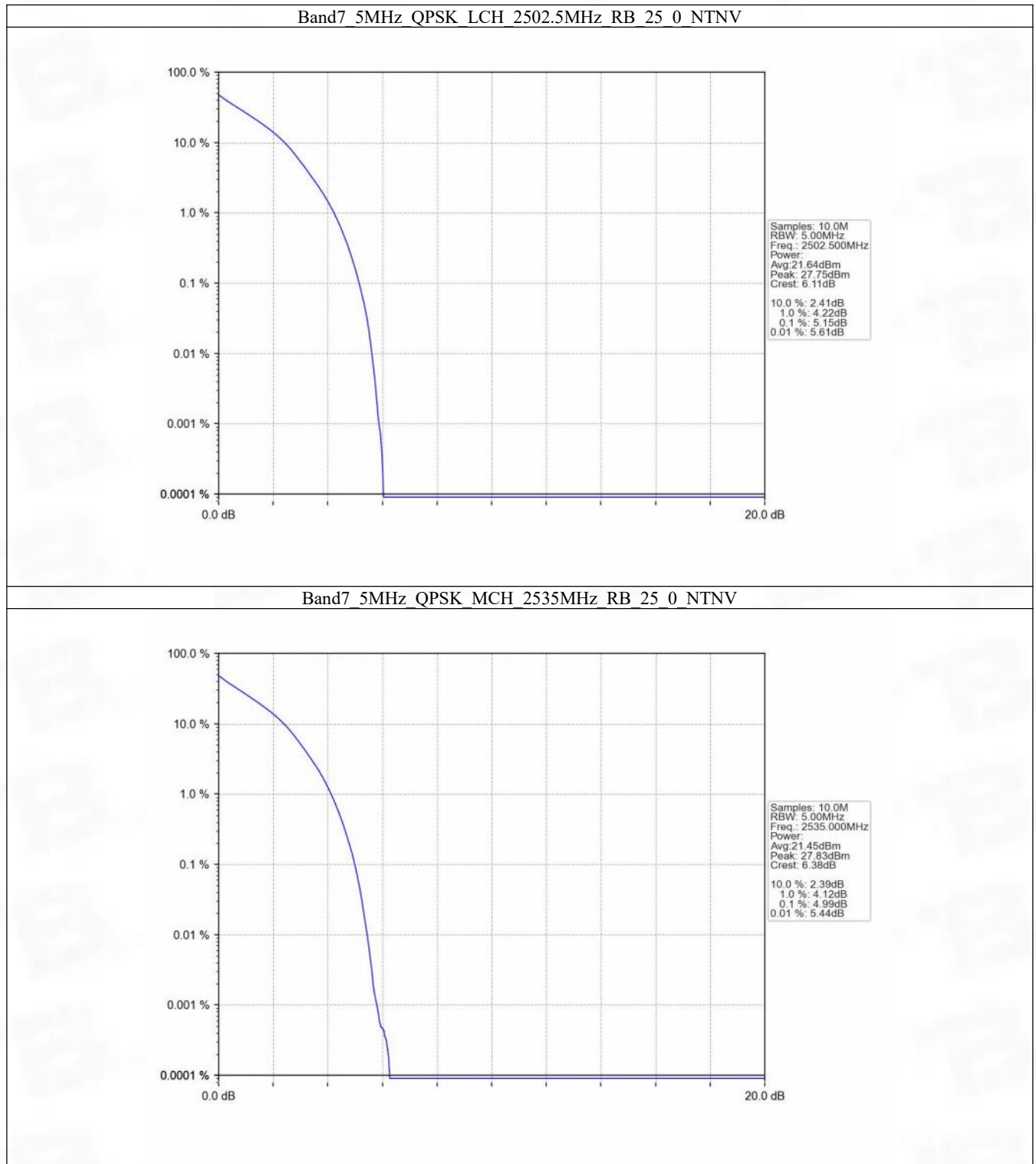
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.34	<=13	Pass
	2535	75	0	5.01	<=13	Pass
	2562.5	75	0	5.45	<=13	Pass
16QAM	2507.5	75	0	6.05	<=13	Pass
	2535	75	0	5.78	<=13	Pass
	2562.5	75	0	6.15	<=13	Pass

5.1.4 B7_20MHz

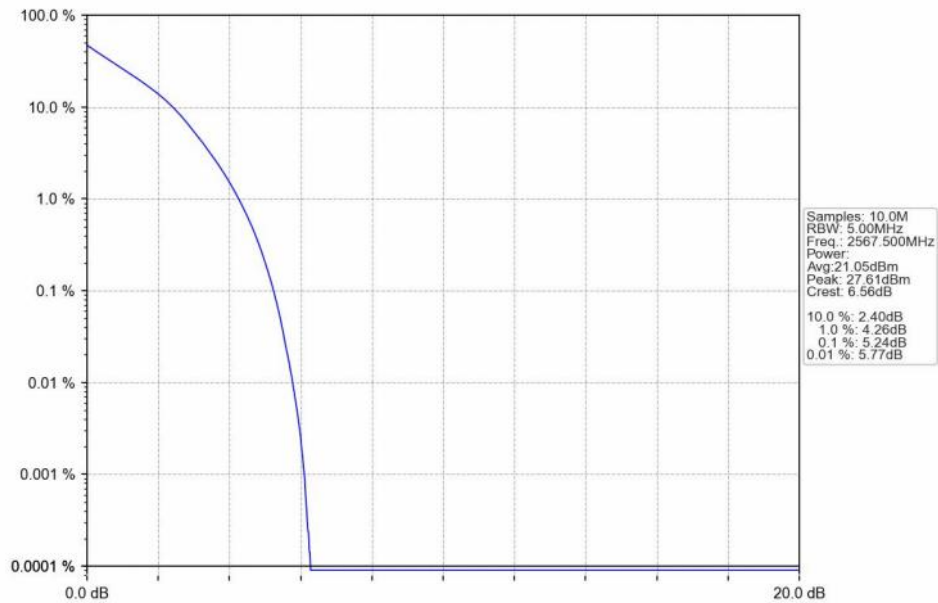
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.36	<=13	Pass
	2535	100	0	5.10	<=13	Pass
	2560	100	0	5.38	<=13	Pass
16QAM	2510	100	0	6.12	<=13	Pass
	2535	100	0	5.91	<=13	Pass
	2560	100	0	6.19	<=13	Pass

5.2 Test Graph

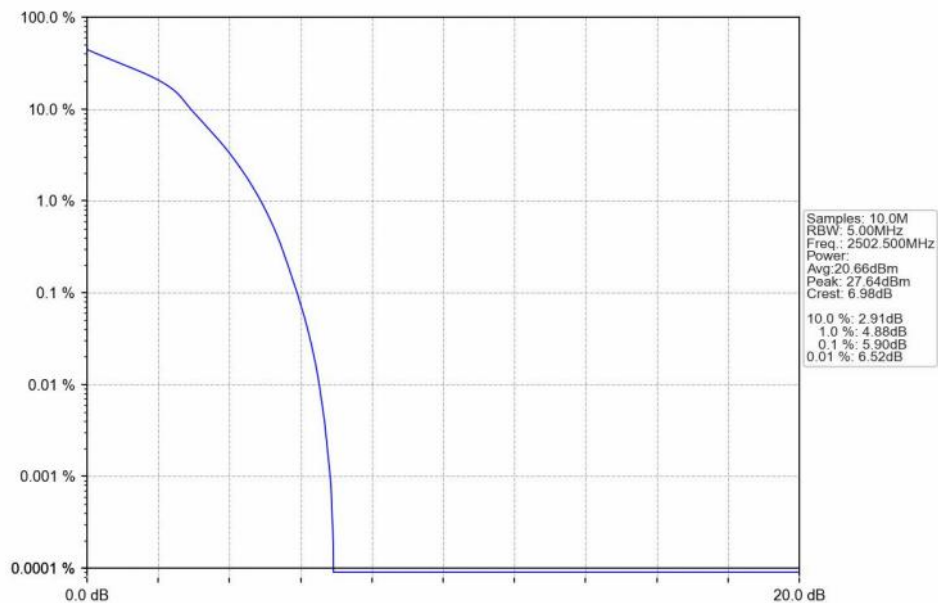
5.2.1 B7_5MHz



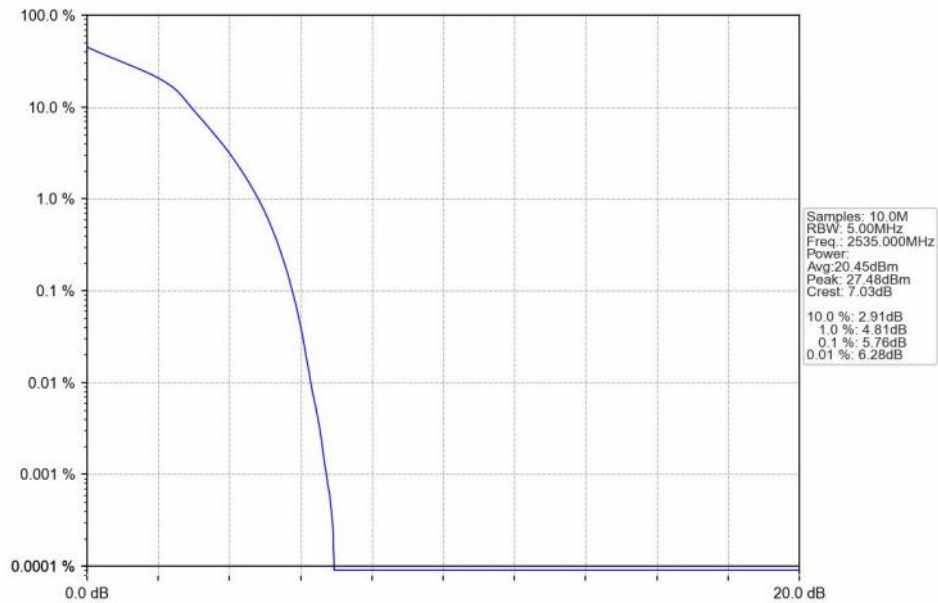
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



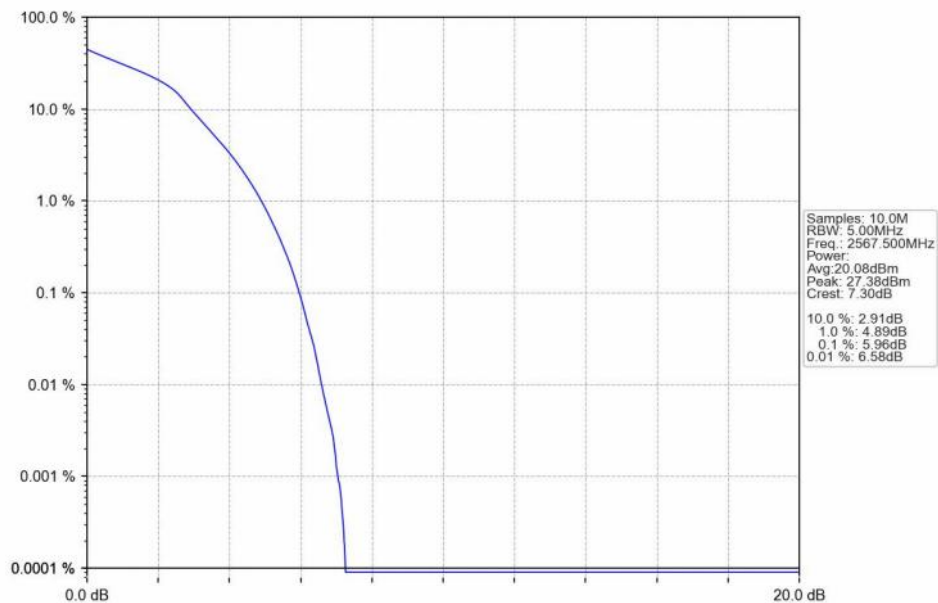
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



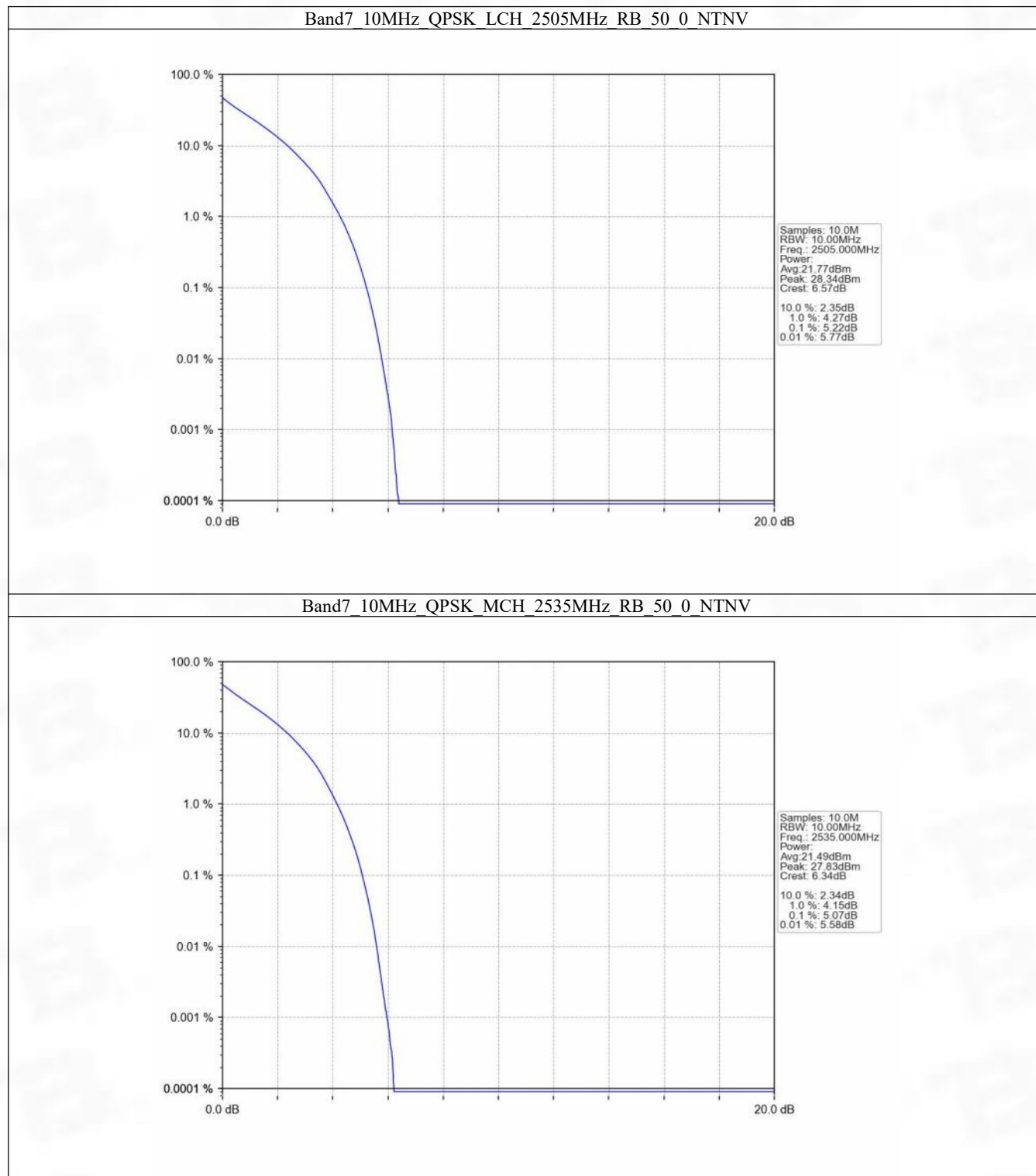
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTV



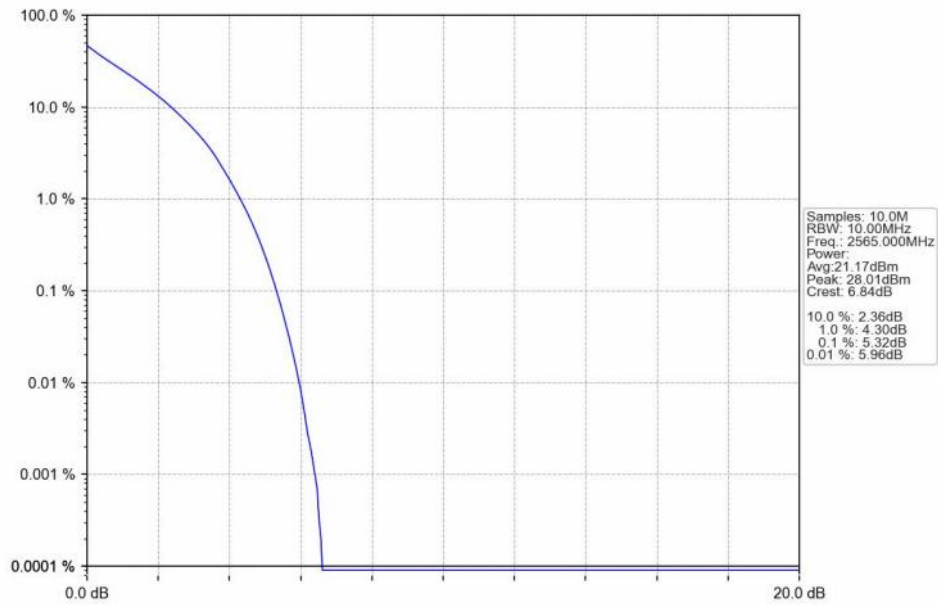
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTV



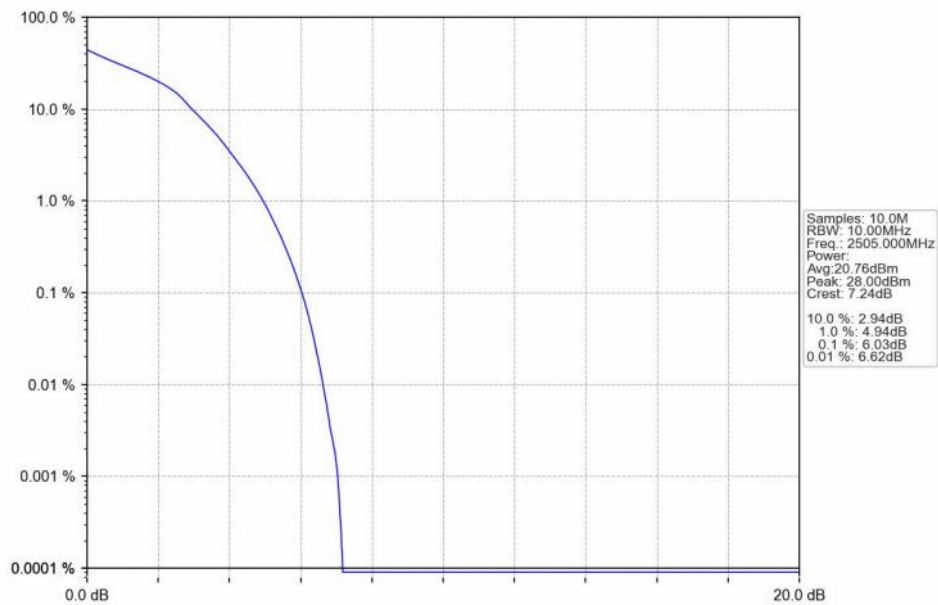
5.2.2 B7_10MHz



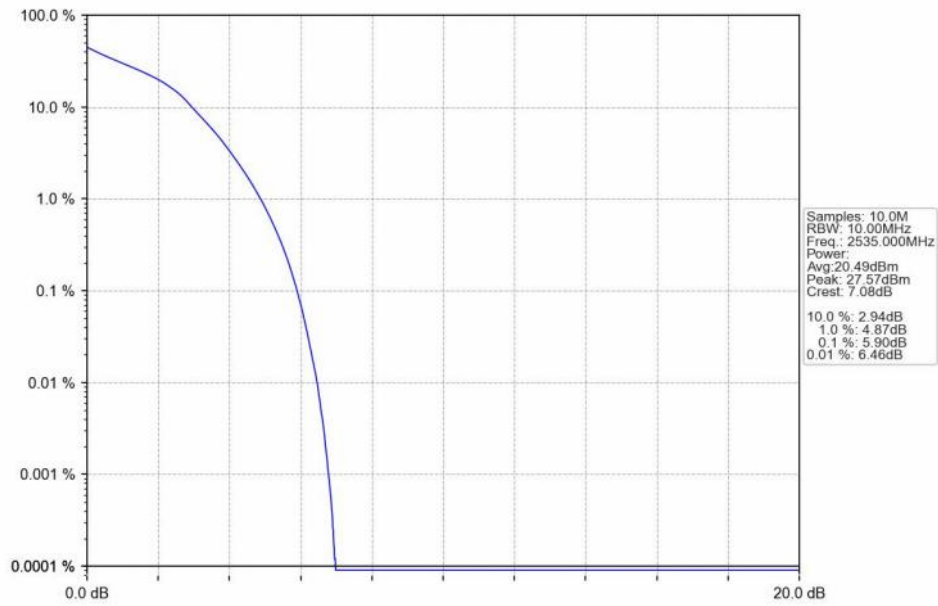
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



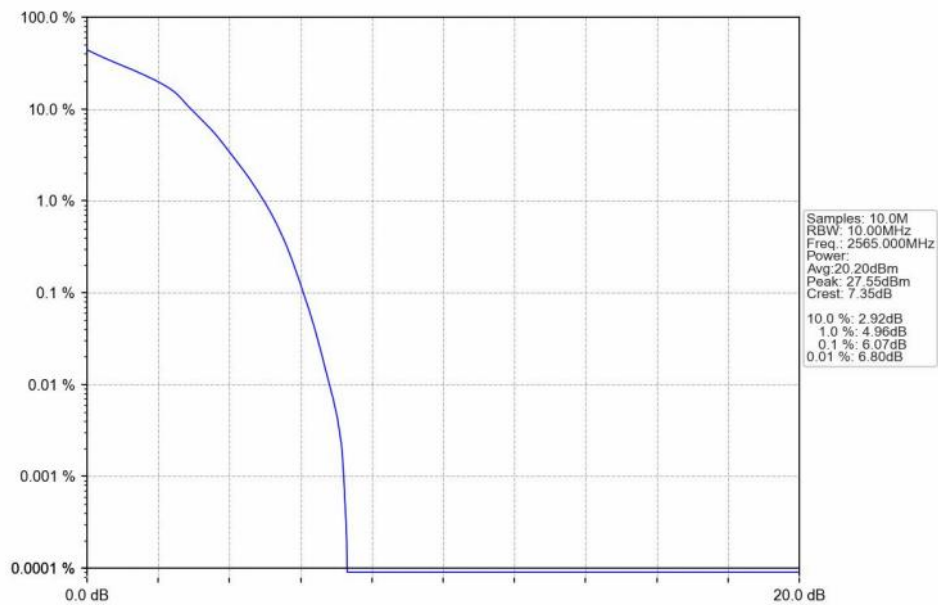
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



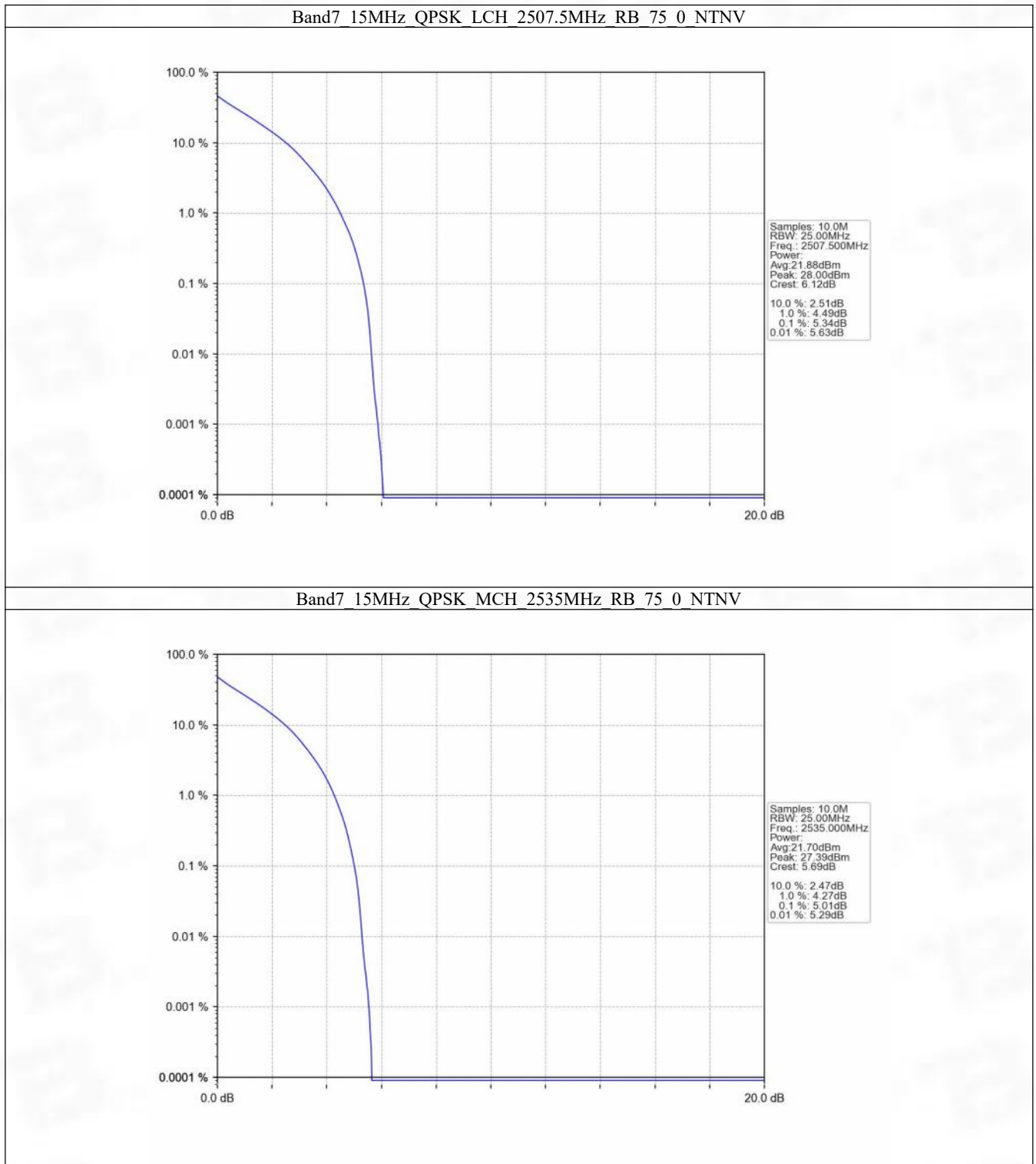
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



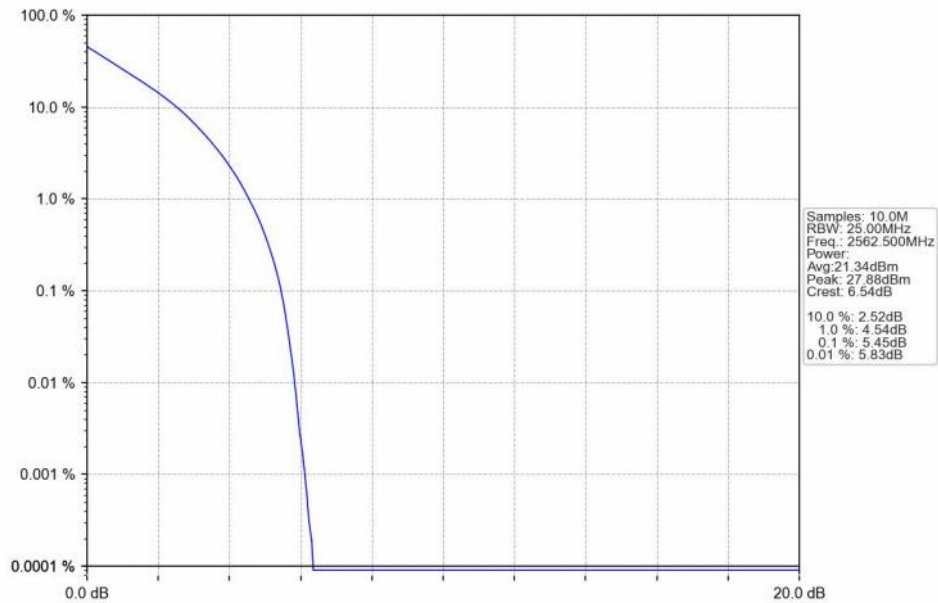
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTV



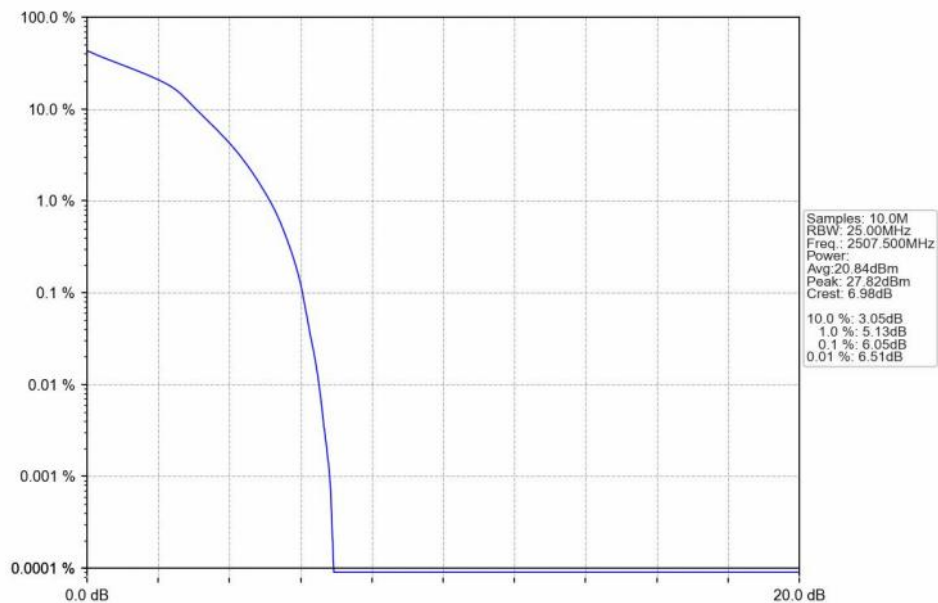
5.2.3 B7_15MHz



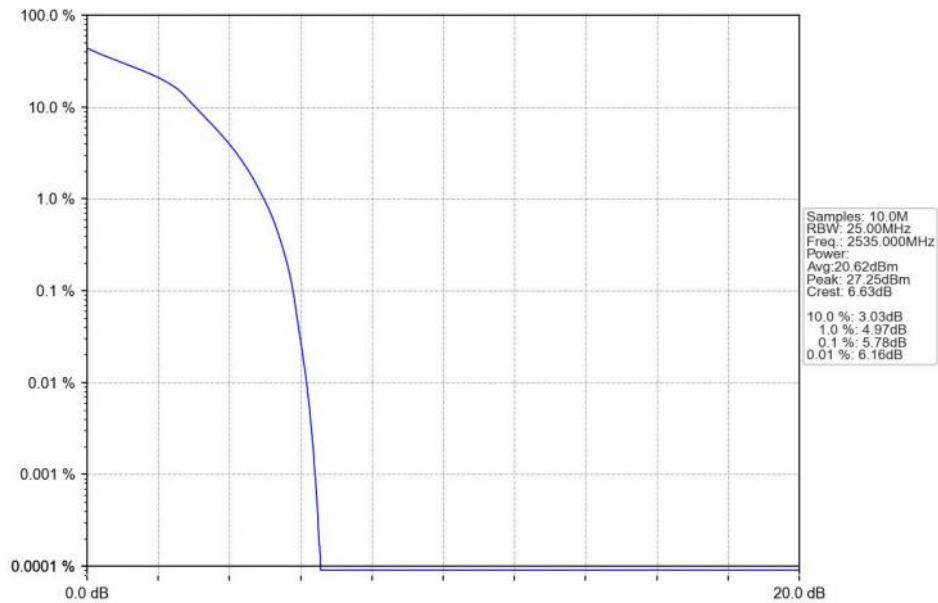
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



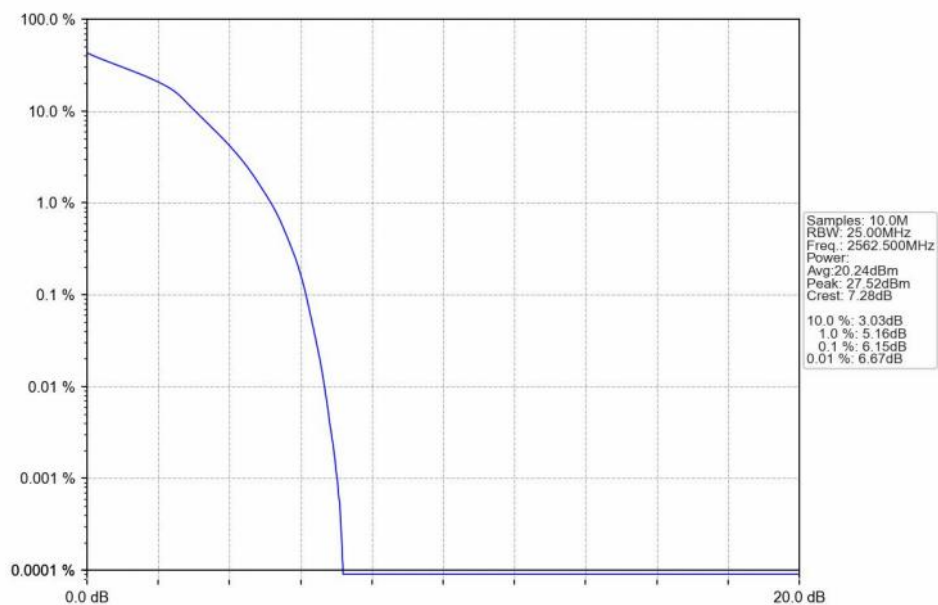
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



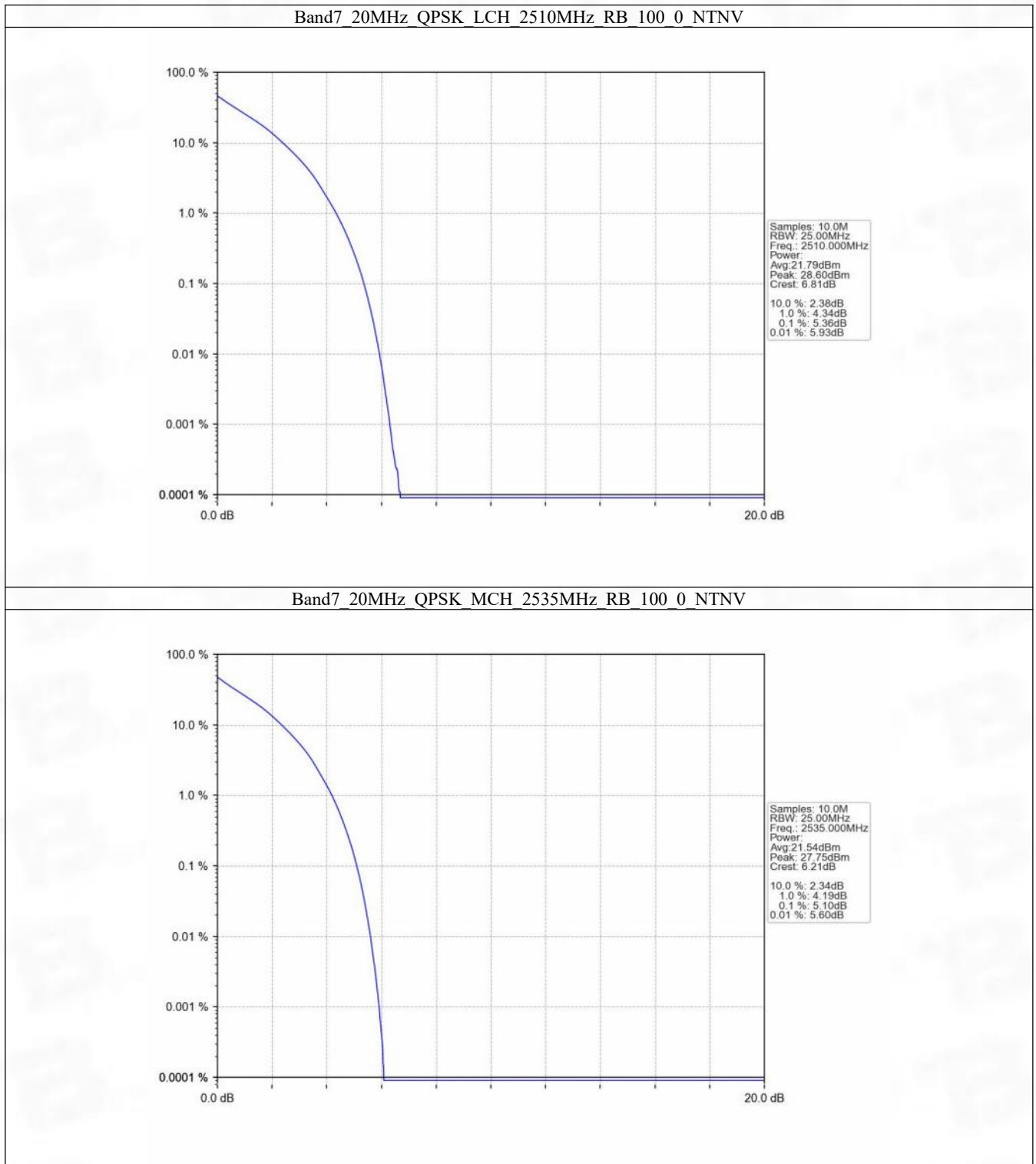
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV



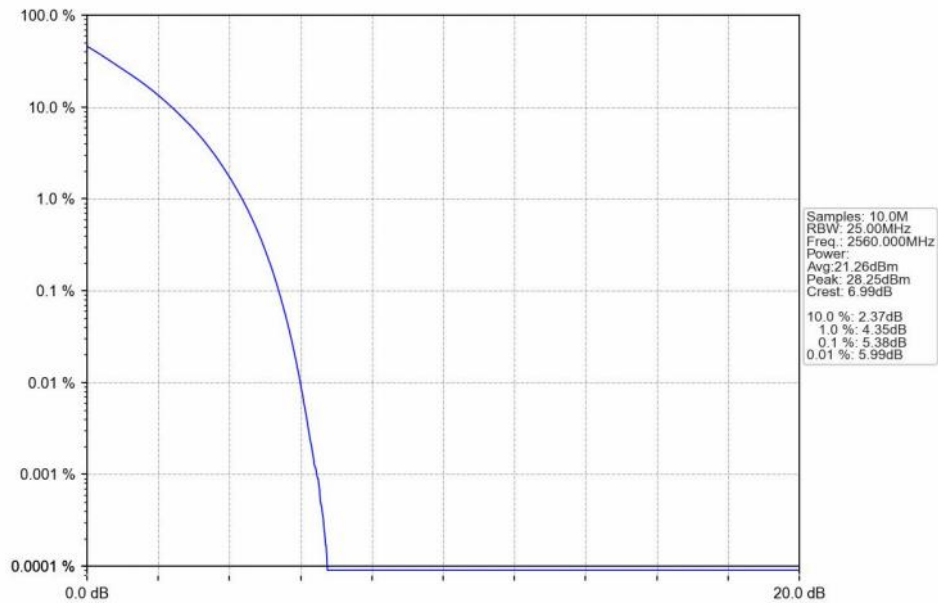
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTV



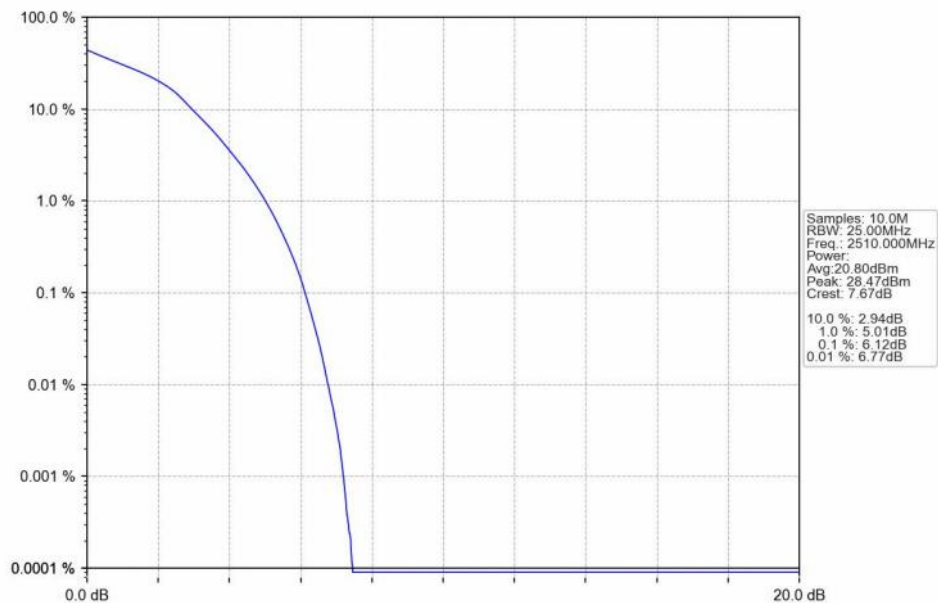
5.2.4 B7_20MHz



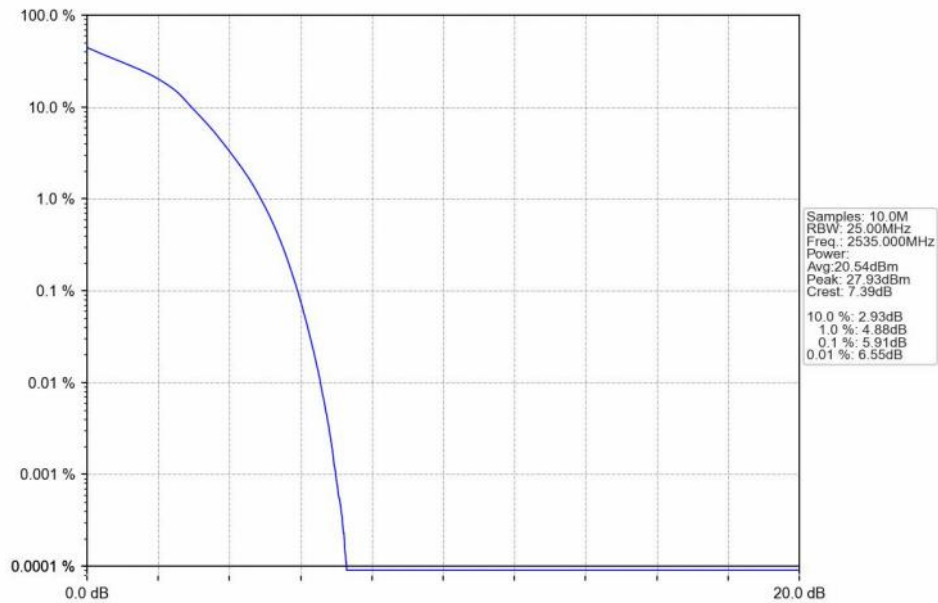
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



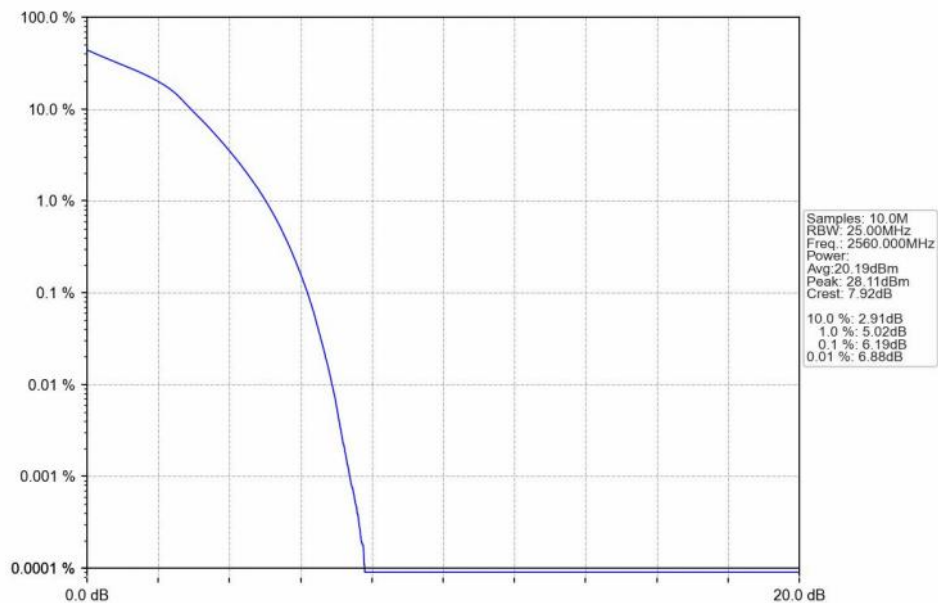
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2502.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2567.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2502.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2567.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2505	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2565	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	2505	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2565	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2507.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2562.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	2507.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2562.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

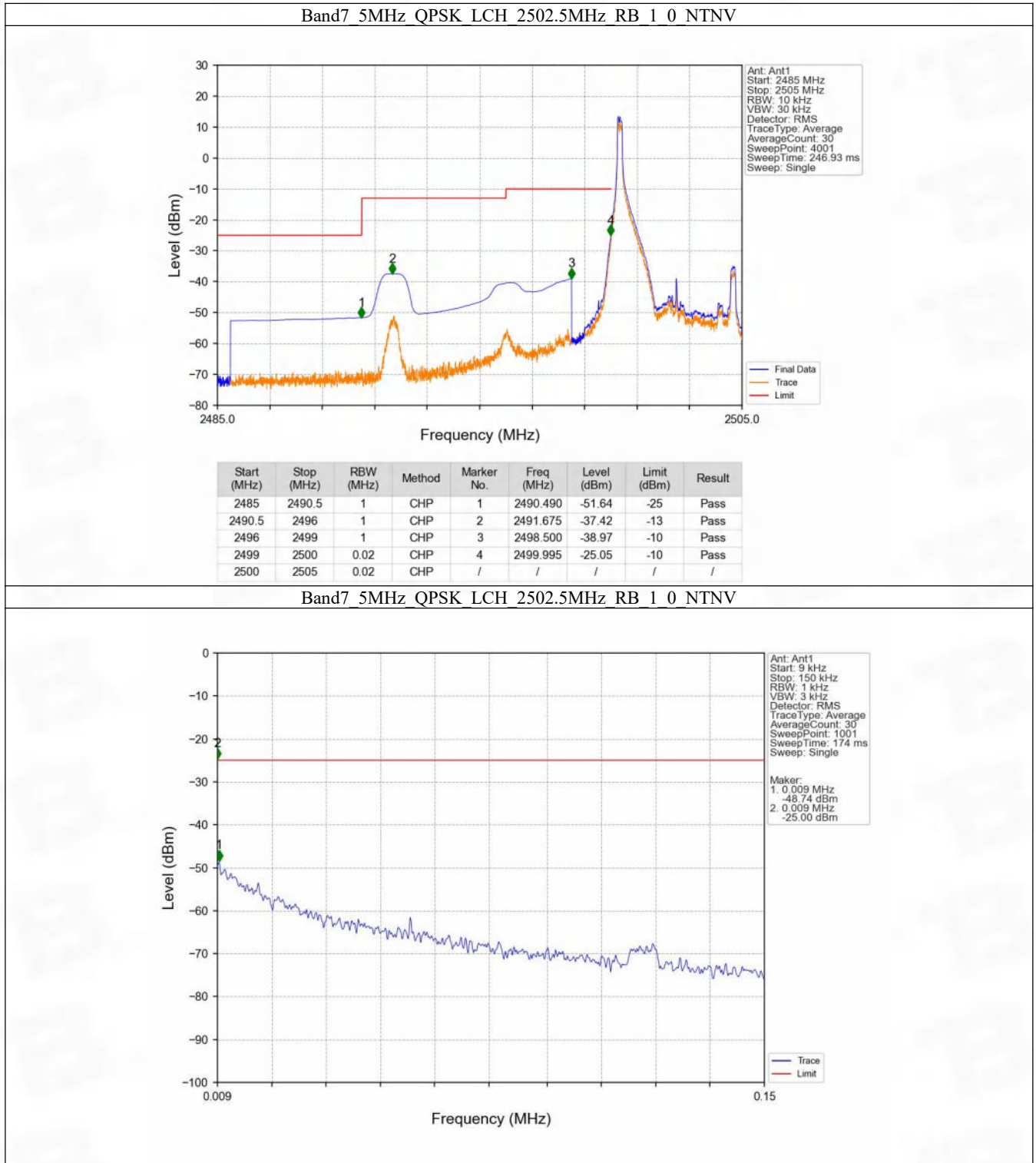
		75	0	Refer To Test Graph	Pass
--	--	----	---	---------------------	------

6.1.4 B7_20MHz

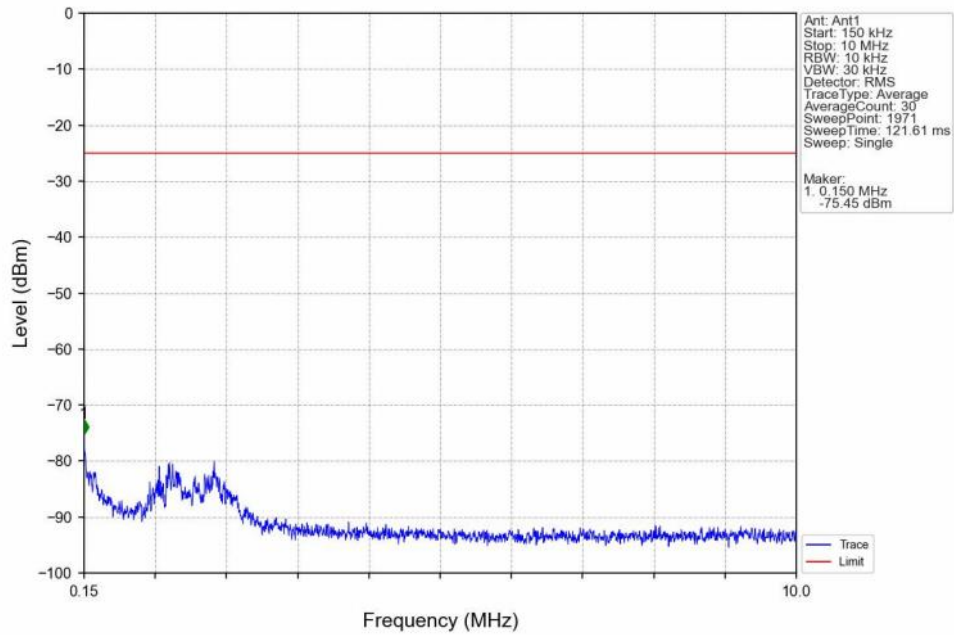
Band: 7 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2510	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	2510	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

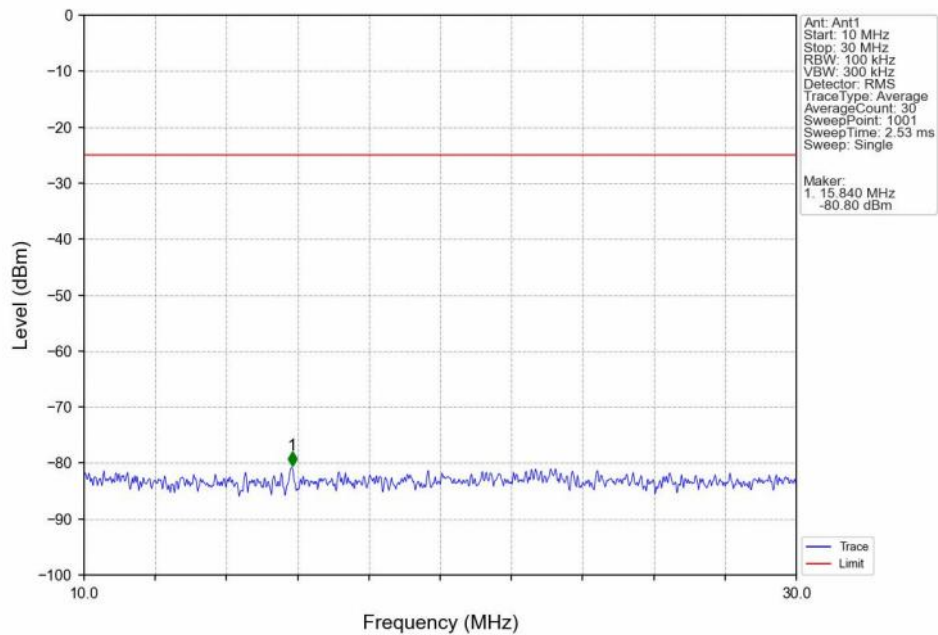
6.2.1 B7_5MHz



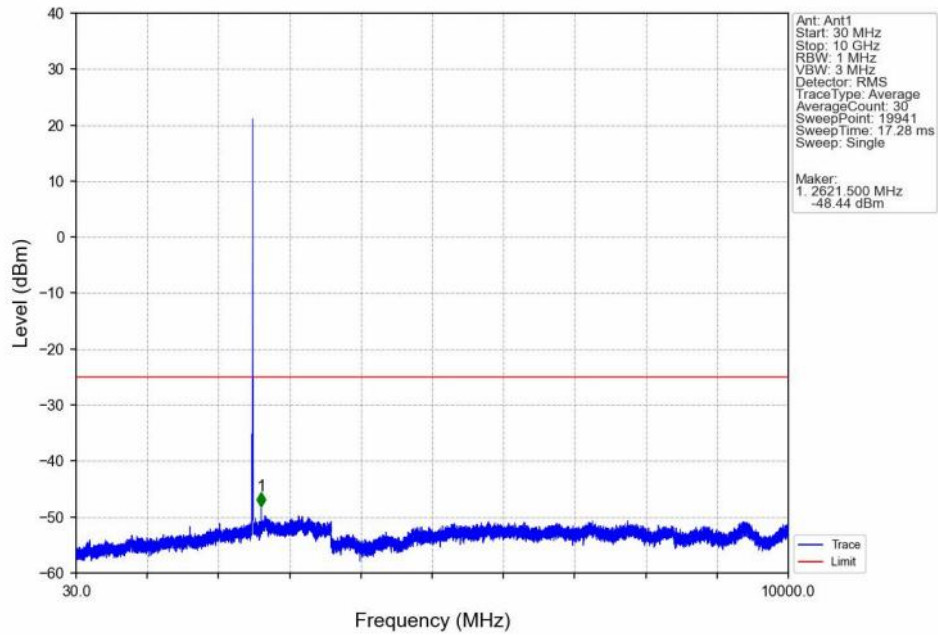
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



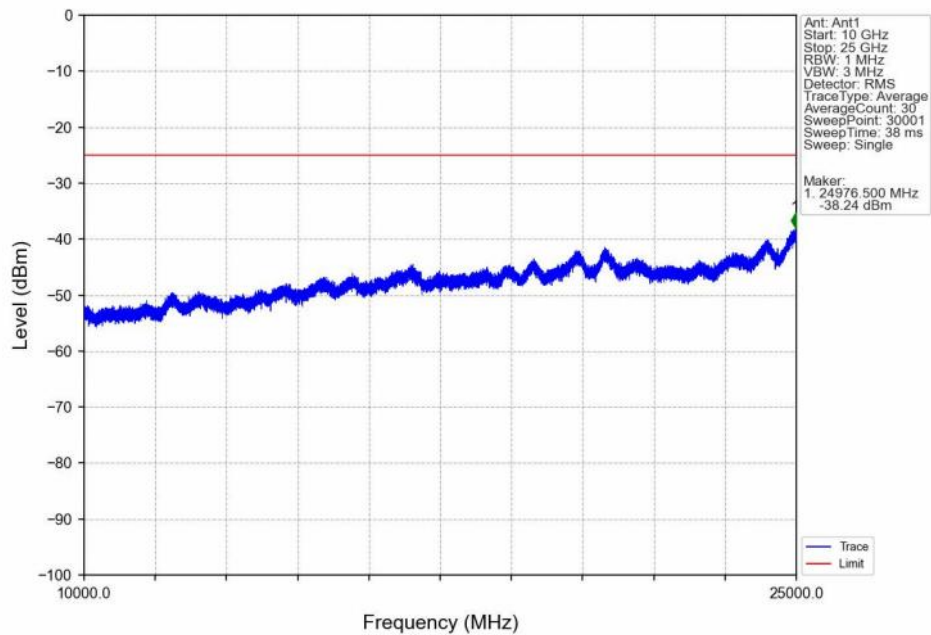
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



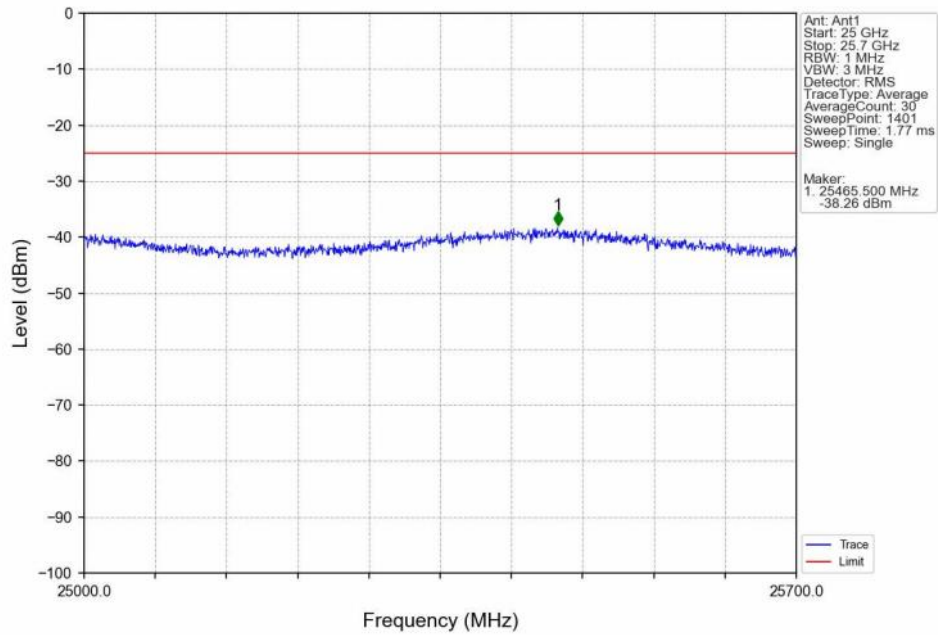
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



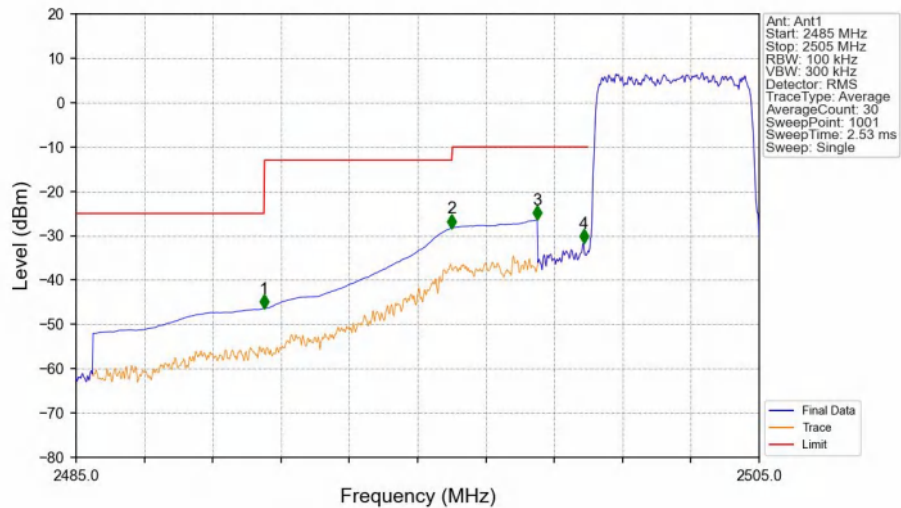
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV

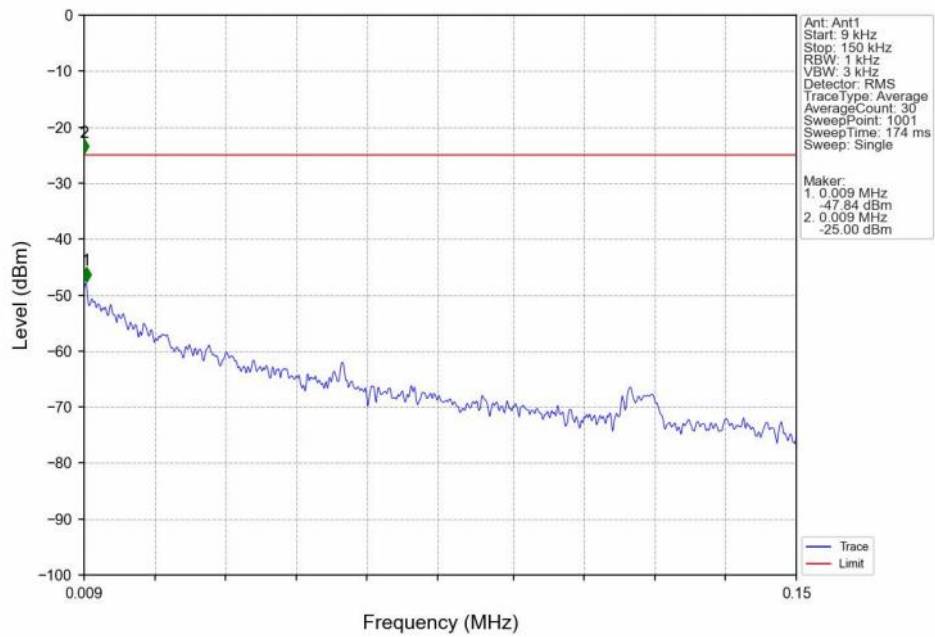


Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV

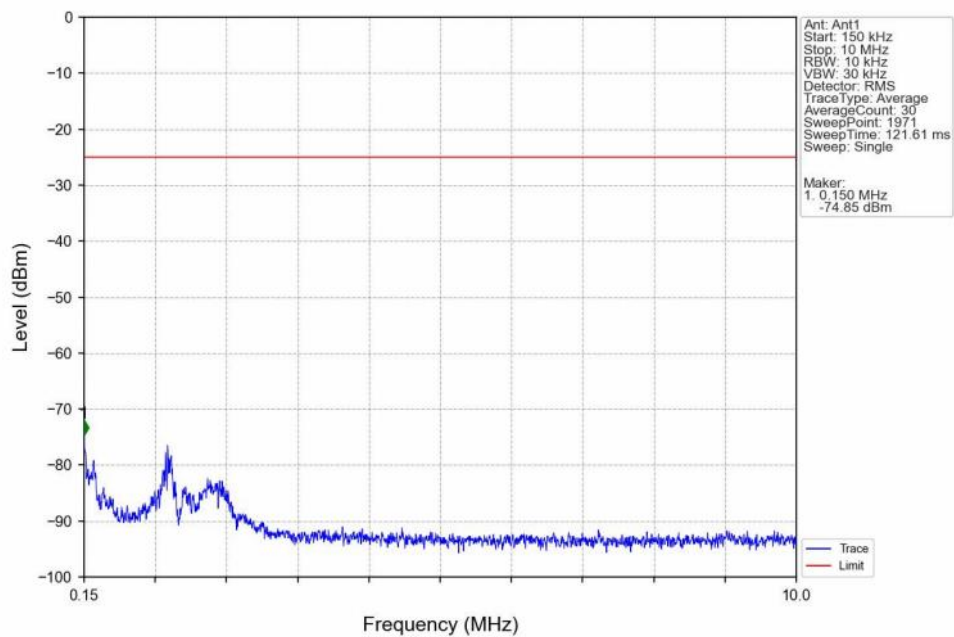


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-46.46	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-28.31	-13	Pass
2496	2499	1	CHP	3	2498.500	-26.38	-10	Pass
2499	2500	0.1	/	4	2499.860	-31.75	-10	Pass
2500	2505	0.1	/	/	/	/	/	/

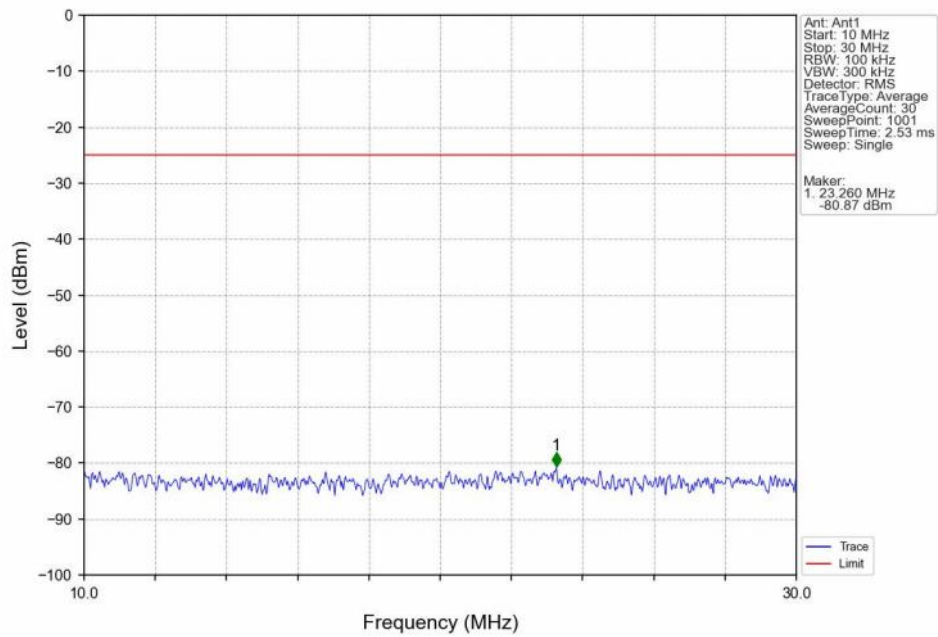
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



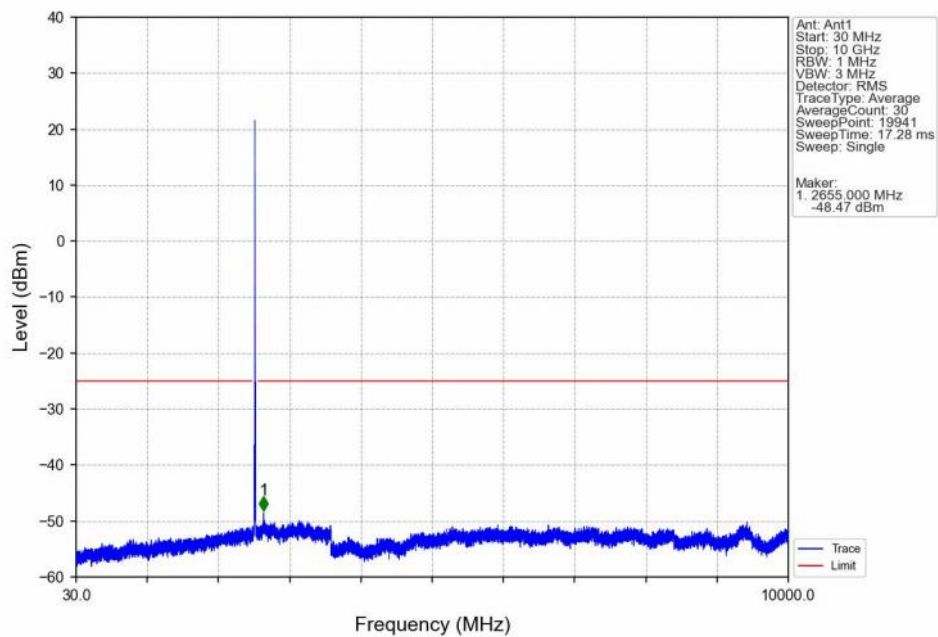
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



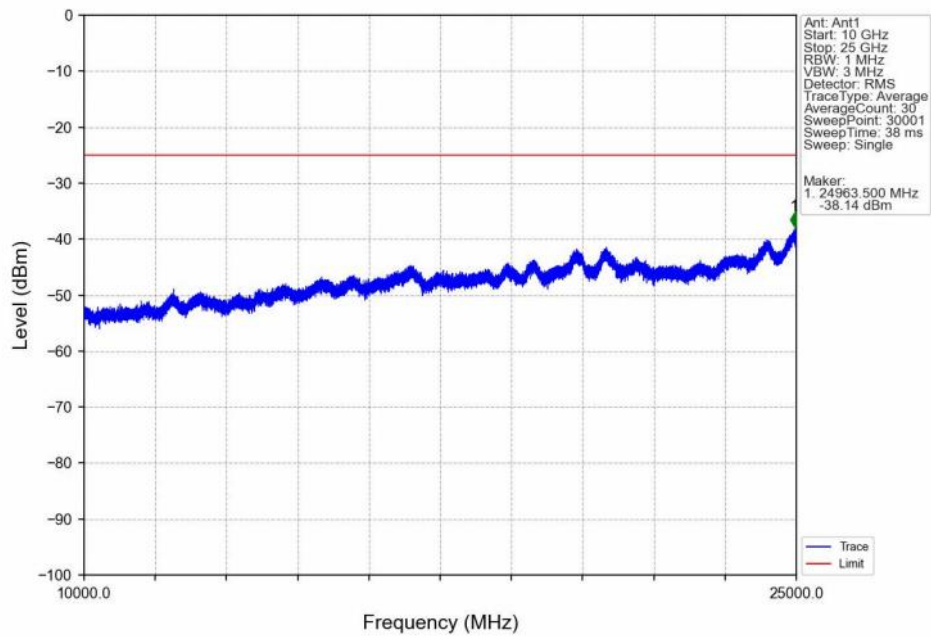
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



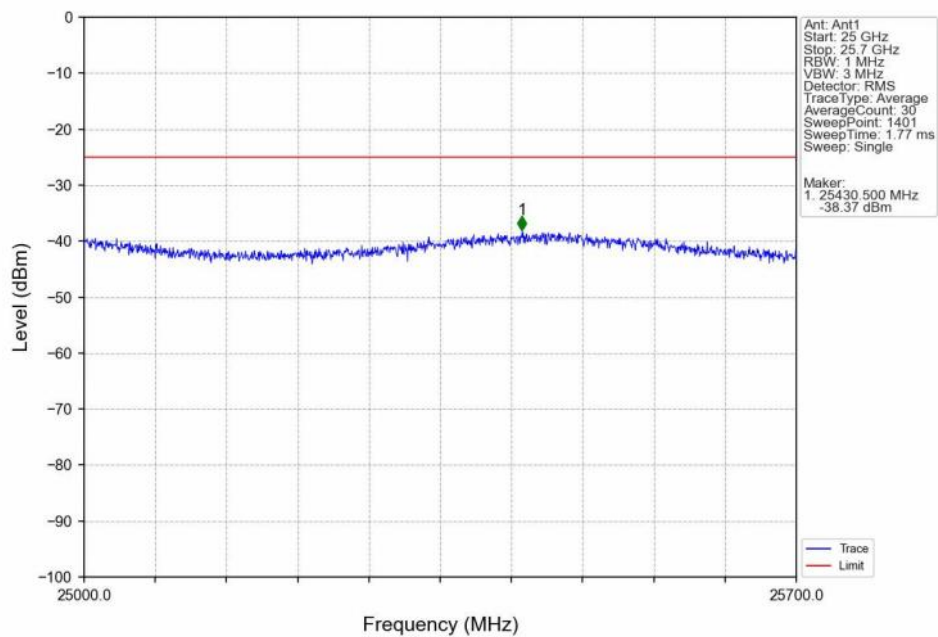
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



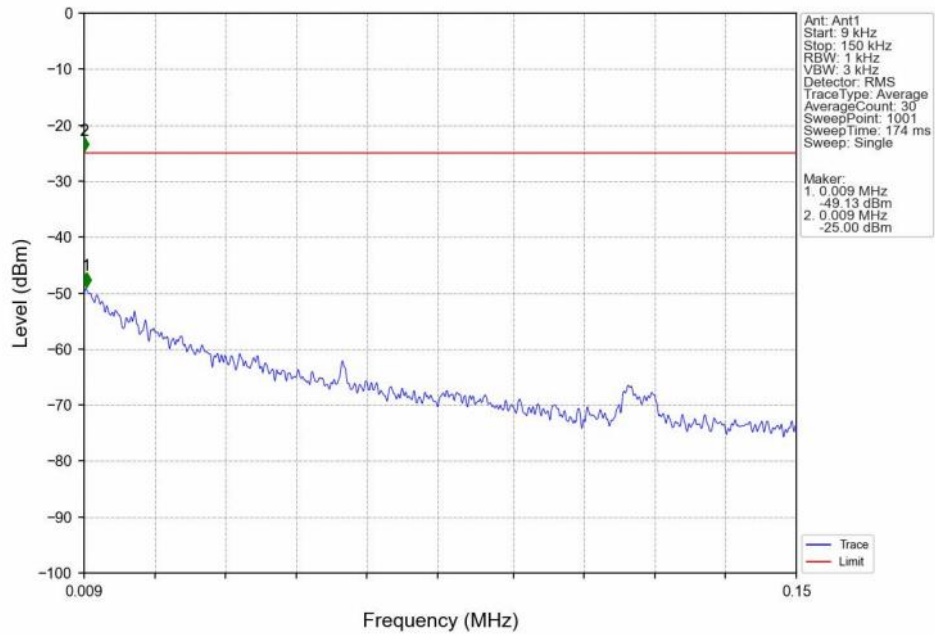
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



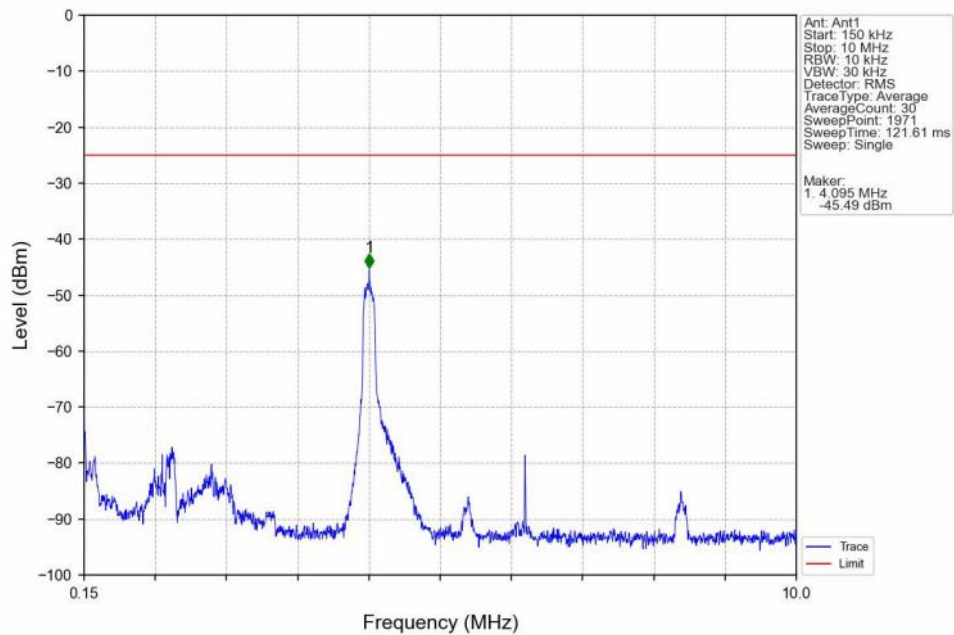
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



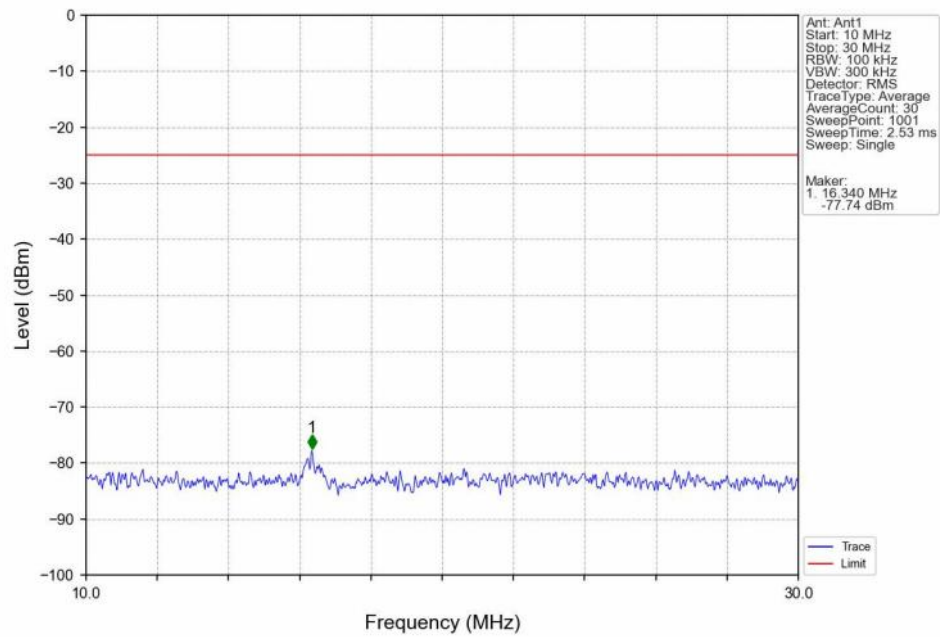
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



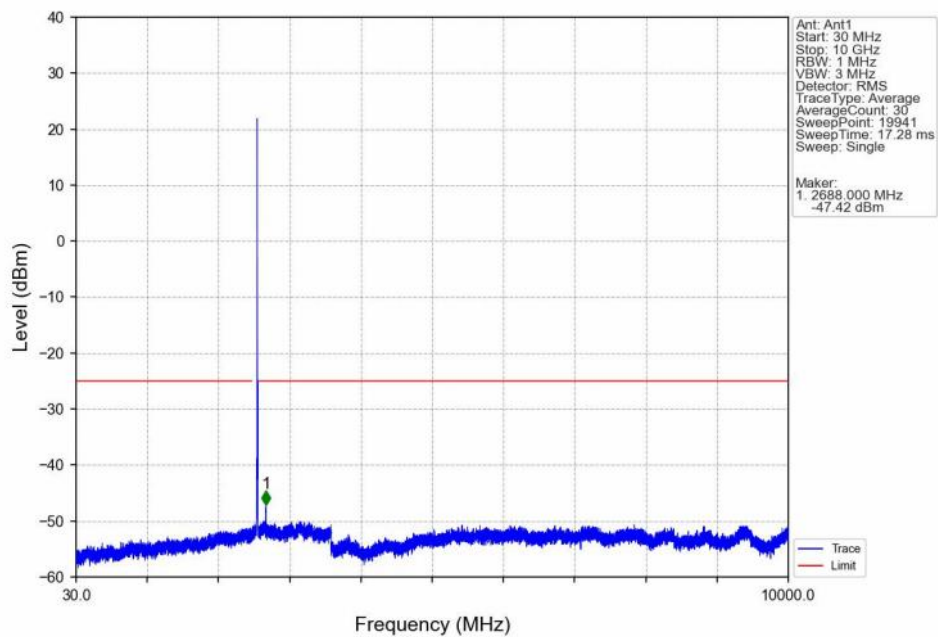
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



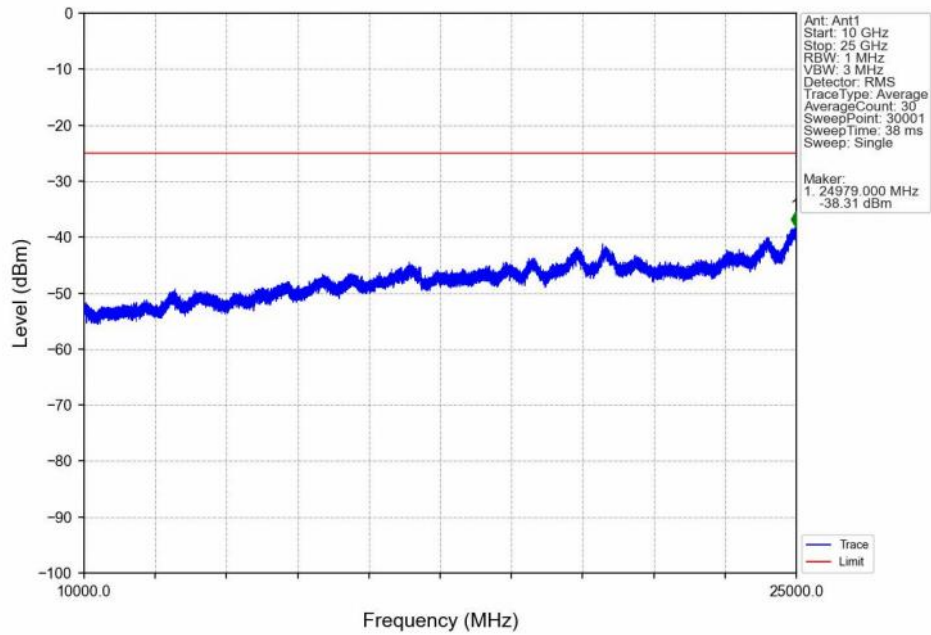
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



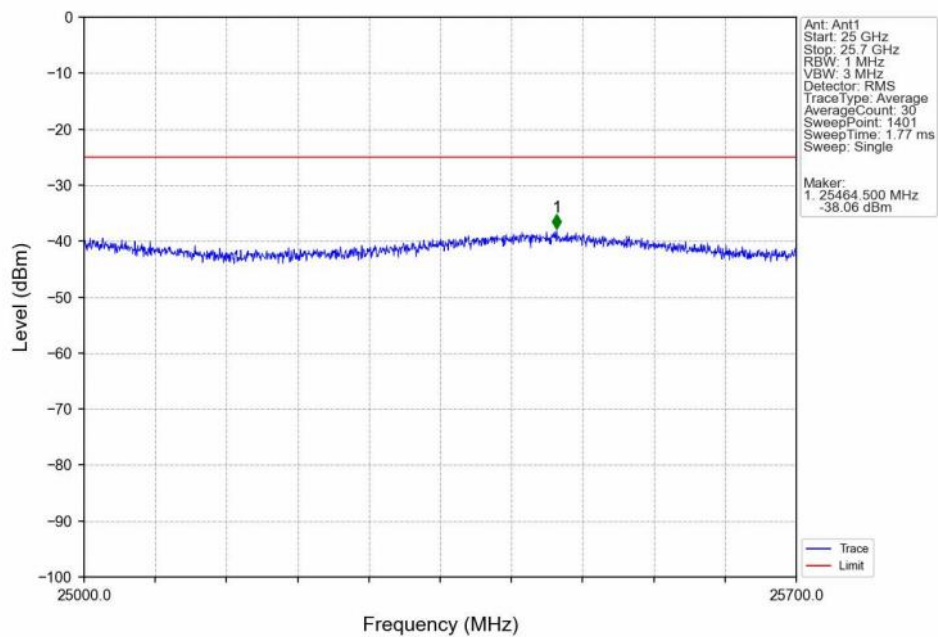
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



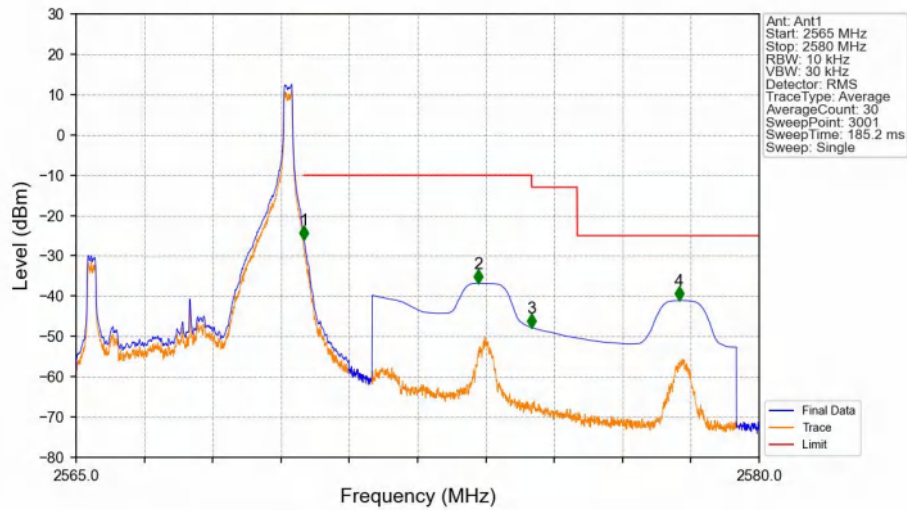
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV

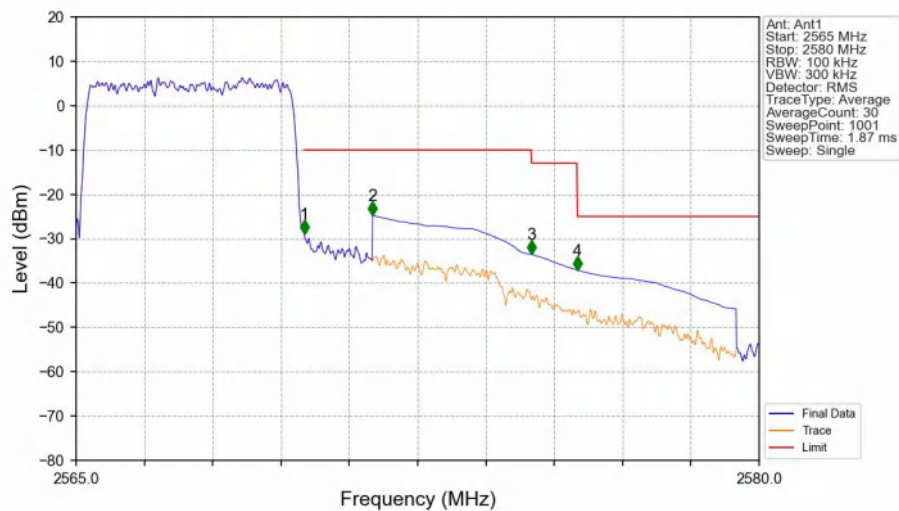


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



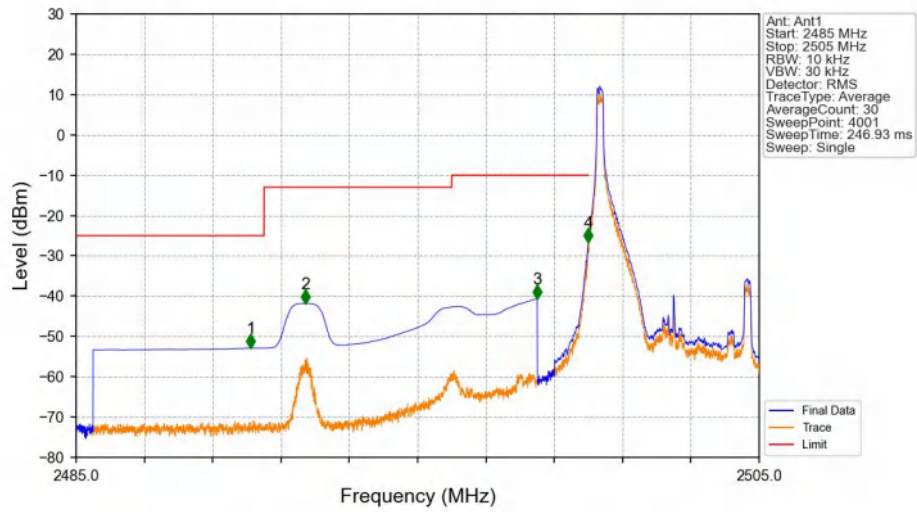
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-26.02	-10	Pass
2571	2575	1	CHP	2	2573.830	-36.79	-10	Pass
2575	2576	1	CHP	3	2575.005	-47.79	-13	Pass
2576	2580	1	CHP	4	2578.245	-41.10	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

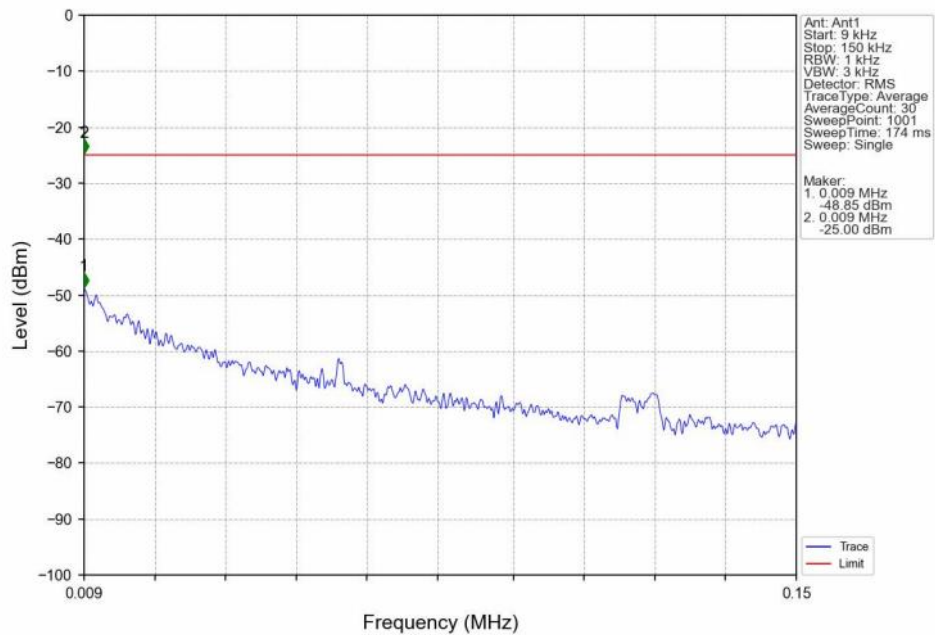


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.010	-28.90	-10	Pass
2571	2575	1	CHP	2	2571.510	-24.77	-10	Pass
2575	2576	1	CHP	3	2575.005	-33.58	-13	Pass
2576	2580	1	CHP	4	2576.010	-37.07	-25	Pass

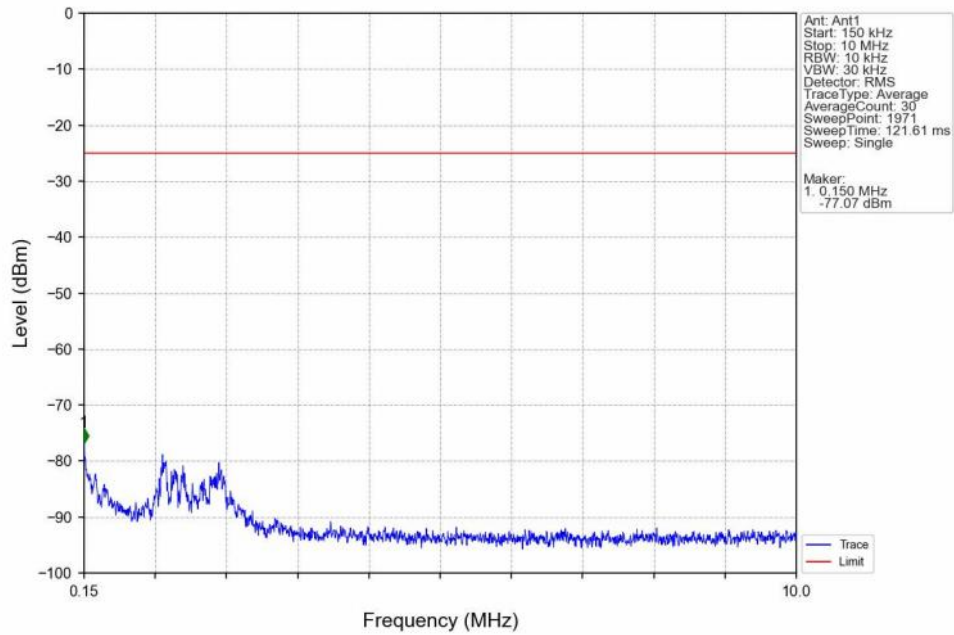
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



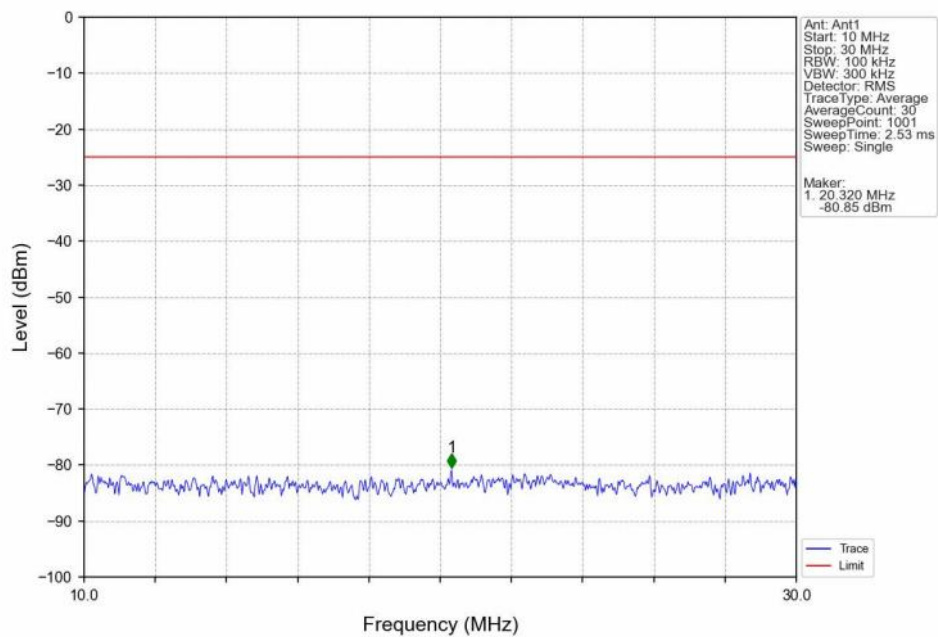
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



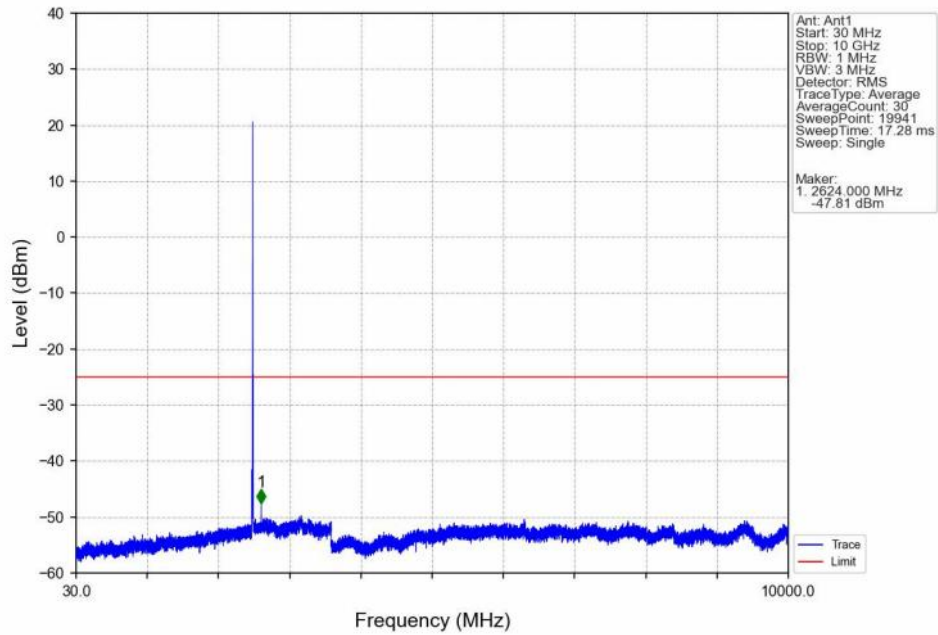
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



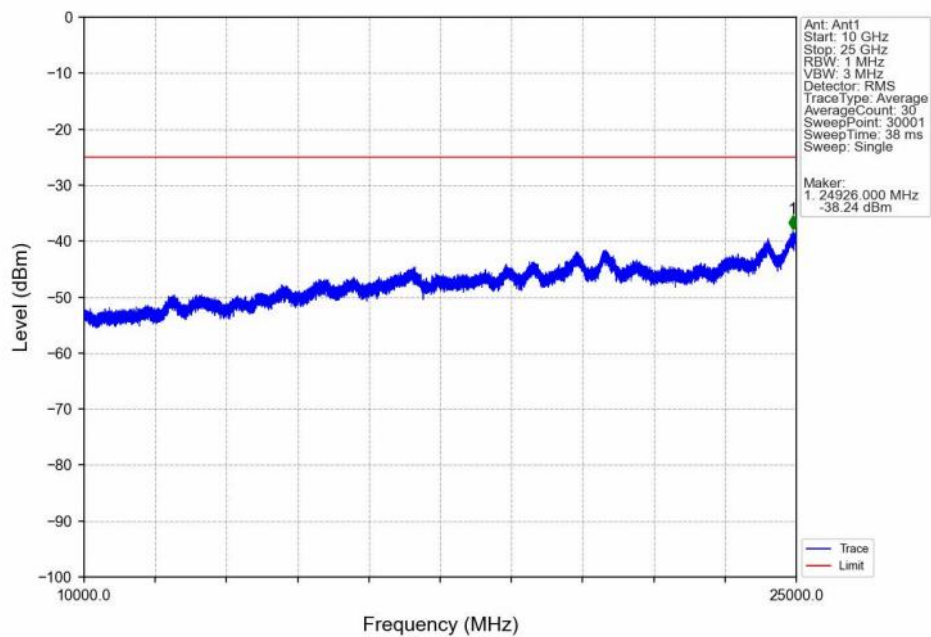
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



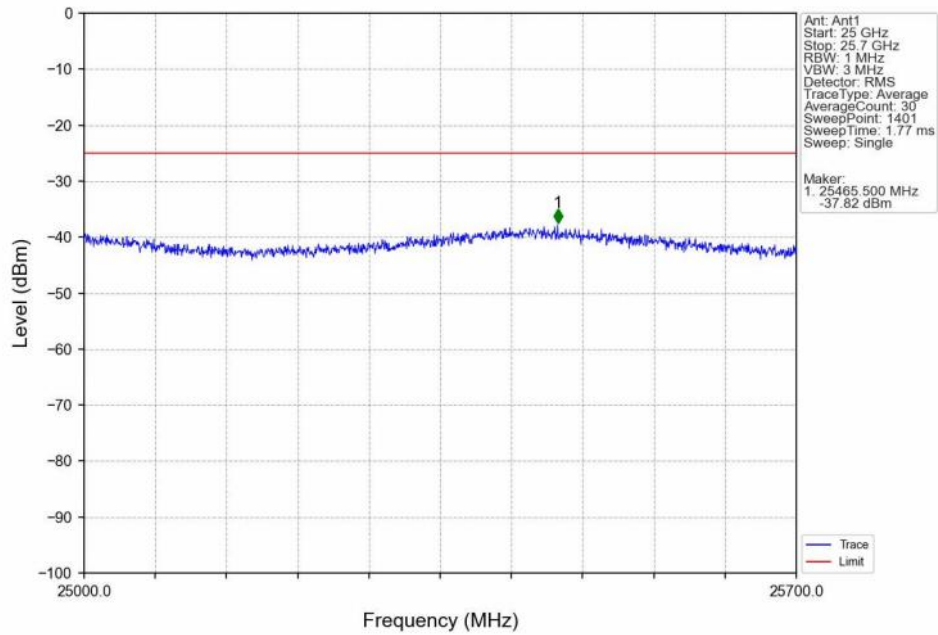
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



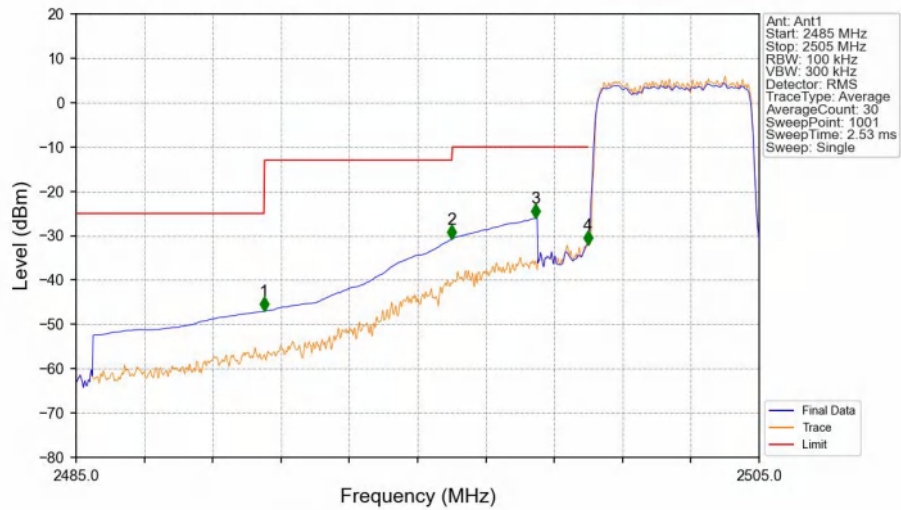
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV

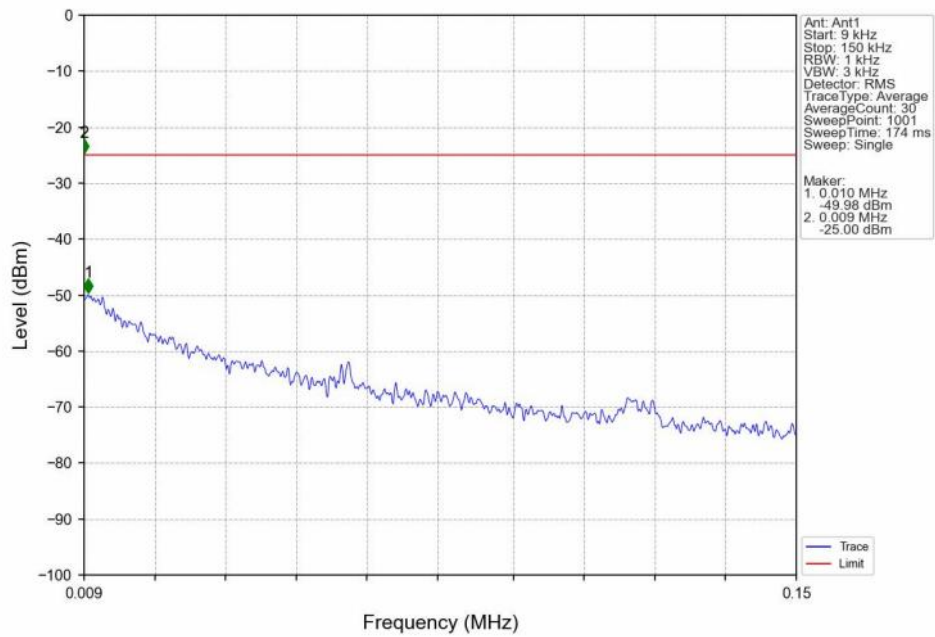


Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

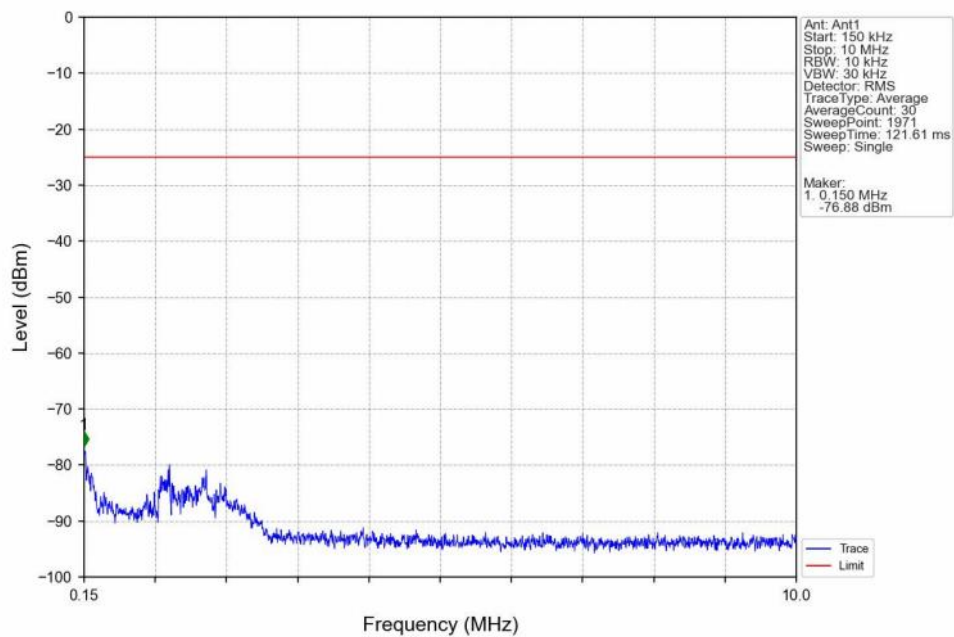


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-47.04	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-30.77	-13	Pass
2496	2499	1	CHP	3	2498.440	-26.06	-10	Pass
2499	2500	0.101	CHP	4	2499.980	-32.11	-10	Pass
2500	2505	0.101	CHP	/	/	/	/	/

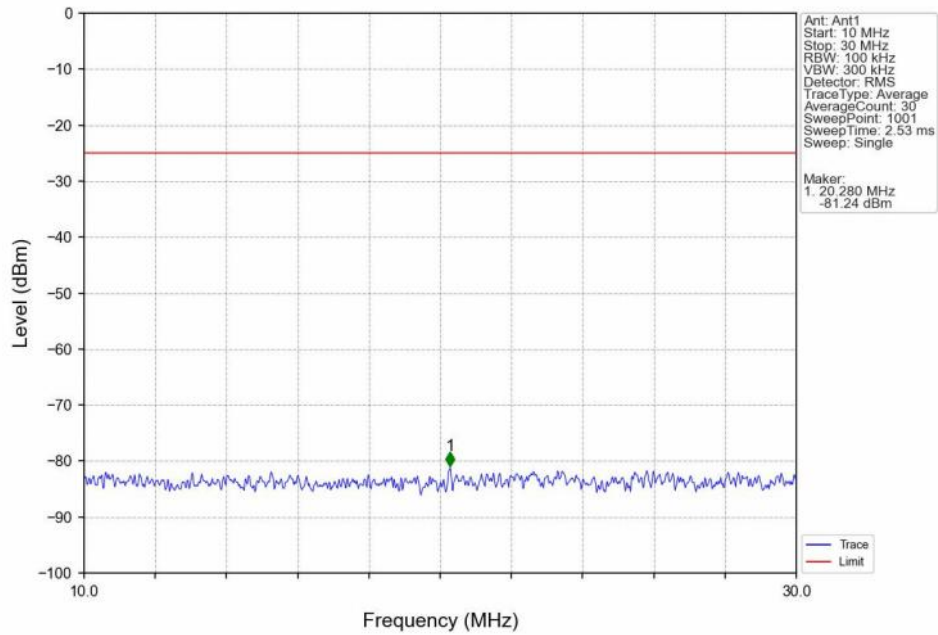
Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV

