

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	21.02	-1.98	19.04	<=33.01	Pass
			13	21.16	-1.98	19.18	<=33.01	Pass
			24	20.98	-1.98	19.00	<=33.01	Pass
		12	0	20.15	-1.98	18.17	<=33.01	Pass
			6	20.19	-1.98	18.21	<=33.01	Pass
			13	20.08	-1.98	18.10	<=33.01	Pass
		25	0	20.13	-1.98	18.15	<=33.01	Pass
	2535	1	0	21.37	-1.98	19.39	<=33.01	Pass
			13	21.65	-1.98	19.67	<=33.01	Pass
			24	21.56	-1.98	19.58	<=33.01	Pass
		12	0	20.48	-1.98	18.50	<=33.01	Pass
			6	20.64	-1.98	18.66	<=33.01	Pass
			13	20.62	-1.98	18.64	<=33.01	Pass
		25	0	20.54	-1.98	18.56	<=33.01	Pass
	2567.5	1	0	22.48	-1.98	20.50	<=33.01	Pass
			13	22.83	-1.98	20.85	<=33.01	Pass
			24	22.55	-1.98	20.57	<=33.01	Pass
		12	0	21.58	-1.98	19.60	<=33.01	Pass
			6	21.65	-1.98	19.67	<=33.01	Pass
			13	21.57	-1.98	19.59	<=33.01	Pass
		25	0	21.57	-1.98	19.59	<=33.01	Pass
16QAM	2502.5	1	0	20.10	-1.98	18.12	<=33.01	Pass
			13	20.26	-1.98	18.28	<=33.01	Pass
			24	20.05	-1.98	18.07	<=33.01	Pass
		12	0	19.12	-1.98	17.14	<=33.01	Pass
			6	19.21	-1.98	17.23	<=33.01	Pass
			13	19.08	-1.98	17.10	<=33.01	Pass
		25	0	19.20	-1.98	17.22	<=33.01	Pass
	2535	1	0	20.59	-1.98	18.61	<=33.01	Pass
			13	20.85	-1.98	18.87	<=33.01	Pass
			24	20.75	-1.98	18.77	<=33.01	Pass
		12	0	19.50	-1.98	17.52	<=33.01	Pass
			6	19.70	-1.98	17.72	<=33.01	Pass
			13	19.64	-1.98	17.66	<=33.01	Pass
		25	0	19.55	-1.98	17.57	<=33.01	Pass
	2567.5	1	0	21.22	-1.98	19.24	<=33.01	Pass
			13	21.45	-1.98	19.47	<=33.01	Pass
			24	21.33	-1.98	19.35	<=33.01	Pass
		12	0	20.47	-1.98	18.49	<=33.01	Pass
			6	20.54	-1.98	18.56	<=33.01	Pass
			13	20.47	-1.98	18.49	<=33.01	Pass
		25	0	20.50	-1.98	18.52	<=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	21.23	-1.98	19.25	<=33.01	Pass
			25	21.39	-1.98	19.41	<=33.01	Pass
			49	21.17	-1.98	19.19	<=33.01	Pass
		25	0	20.30	-1.98	18.32	<=33.01	Pass
			13	20.24	-1.98	18.26	<=33.01	Pass
			25	20.15	-1.98	18.17	<=33.01	Pass
		50	0	20.18	-1.98	18.20	<=33.01	Pass
	2535	1	0	21.36	-1.98	19.38	<=33.01	Pass
			25	21.77	-1.98	19.79	<=33.01	Pass
			49	21.75	-1.98	19.77	<=33.01	Pass
		25	0	20.50	-1.98	18.52	<=33.01	Pass
			13	20.59	-1.98	18.61	<=33.01	Pass
			25	20.69	-1.98	18.71	<=33.01	Pass
		50	0	20.61	-1.98	18.63	<=33.01	Pass
	2565	1	0	22.50	-1.98	20.52	<=33.01	Pass
			25	22.85	-1.98	20.87	<=33.01	Pass
			49	22.64	-1.98	20.66	<=33.01	Pass
		25	0	21.51	-1.98	19.53	<=33.01	Pass
			13	21.58	-1.98	19.60	<=33.01	Pass
			25	21.59	-1.98	19.61	<=33.01	Pass
		50	0	21.51	-1.98	19.53	<=33.01	Pass
16QAM	2505	1	0	20.18	-1.98	18.20	<=33.01	Pass
			25	20.34	-1.98	18.36	<=33.01	Pass
			49	20.11	-1.98	18.13	<=33.01	Pass
		25	0	19.39	-1.98	17.41	<=33.01	Pass
			13	19.31	-1.98	17.33	<=33.01	Pass
			25	19.22	-1.98	17.24	<=33.01	Pass
		50	0	19.24	-1.98	17.26	<=33.01	Pass
	2535	1	0	20.55	-1.98	18.57	<=33.01	Pass
			25	20.91	-1.98	18.93	<=33.01	Pass
			49	20.82	-1.98	18.84	<=33.01	Pass
		25	0	19.56	-1.98	17.58	<=33.01	Pass
			13	19.64	-1.98	17.66	<=33.01	Pass
			25	19.75	-1.98	17.77	<=33.01	Pass
		50	0	19.64	-1.98	17.66	<=33.01	Pass
	2565	1	0	21.81	-1.98	19.83	<=33.01	Pass
			25	22.07	-1.98	20.09	<=33.01	Pass
			49	21.86	-1.98	19.88	<=33.01	Pass
		25	0	20.49	-1.98	18.51	<=33.01	Pass
			13	20.55	-1.98	18.57	<=33.01	Pass
			25	20.54	-1.98	18.56	<=33.01	Pass
		50	0	20.47	-1.98	18.49	<=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	21.17	-1.98	19.19	<=33.01	Pass
			38	21.21	-1.98	19.23	<=33.01	Pass
			74	21.10	-1.98	19.12	<=33.01	Pass
		36	0	20.33	-1.98	18.35	<=33.01	Pass
			18	20.29	-1.98	18.31	<=33.01	Pass
			39	20.18	-1.98	18.20	<=33.01	Pass
		75	0	20.25	-1.98	18.27	<=33.01	Pass
	2535	1	0	21.33	-1.98	19.35	<=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	21.57	-1.98	19.59	<=33.01	Pass	
			74	21.78	-1.98	19.80	<=33.01	Pass	
		36	0	20.54	-1.98	18.56	<=33.01	Pass	
			18	20.67	-1.98	18.69	<=33.01	Pass	
			39	20.83	-1.98	18.85	<=33.01	Pass	
		75	0	20.66	-1.98	18.68	<=33.01	Pass	
		2562.5	1	0	22.26	-1.98	20.28	<=33.01	Pass
	38			22.61	-1.98	20.63	<=33.01	Pass	
	74			22.73	-1.98	20.75	<=33.01	Pass	
	36		0	21.59	-1.98	19.61	<=33.01	Pass	
			18	21.70	-1.98	19.72	<=33.01	Pass	
			39	21.78	-1.98	19.80	<=33.01	Pass	
	75		0	21.70	-1.98	19.72	<=33.01	Pass	
	16QAM	2507.5	1	0	20.41	-1.98	18.43	<=33.01	Pass
38				20.46	-1.98	18.48	<=33.01	Pass	
74				20.35	-1.98	18.37	<=33.01	Pass	
36			0	19.27	-1.98	17.29	<=33.01	Pass	
			18	19.23	-1.98	17.25	<=33.01	Pass	
			39	19.11	-1.98	17.13	<=33.01	Pass	
75			0	19.21	-1.98	17.23	<=33.01	Pass	
2535		1	0	20.45	-1.98	18.47	<=33.01	Pass	
			38	20.70	-1.98	18.72	<=33.01	Pass	
			74	20.86	-1.98	18.88	<=33.01	Pass	
		36	0	19.52	-1.98	17.54	<=33.01	Pass	
			18	19.61	-1.98	17.63	<=33.01	Pass	
			39	19.79	-1.98	17.81	<=33.01	Pass	
		75	0	19.65	-1.98	17.67	<=33.01	Pass	
2562.5		1	0	21.62	-1.98	19.64	<=33.01	Pass	
			38	21.90	-1.98	19.92	<=33.01	Pass	
			74	21.85	-1.98	19.87	<=33.01	Pass	
		36	0	20.47	-1.98	18.49	<=33.01	Pass	
			18	20.53	-1.98	18.55	<=33.01	Pass	
			39	20.62	-1.98	18.64	<=33.01	Pass	
		75	0	20.56	-1.98	18.58	<=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	21.04	-1.98	19.06	<=33.01	Pass
			50	21.29	-1.98	19.31	<=33.01	Pass
			99	21.09	-1.98	19.11	<=33.01	Pass
		50	0	20.20	-1.98	18.22	<=33.01	Pass
			25	20.13	-1.98	18.15	<=33.01	Pass
			50	20.08	-1.98	18.10	<=33.01	Pass
		100	0	20.17	-1.98	18.19	<=33.01	Pass
	2535	1	0	21.26	-1.98	19.28	<=33.01	Pass
			50	21.72	-1.98	19.74	<=33.01	Pass
			99	21.81	-1.98	19.83	<=33.01	Pass
		50	0	20.34	-1.98	18.36	<=33.01	Pass
			25	20.59	-1.98	18.61	<=33.01	Pass
			50	20.67	-1.98	18.69	<=33.01	Pass
		100	0	20.54	-1.98	18.56	<=33.01	Pass
	2560	1	0	22.02	-1.98	20.04	<=33.01	Pass
			50	22.63	-1.98	20.65	<=33.01	Pass
			99	22.62	-1.98	20.64	<=33.01	Pass
		50	0	21.25	-1.98	19.27	<=33.01	Pass
			0	21.25	-1.98	19.27	<=33.01	Pass
		50	0	21.25	-1.98	19.27	<=33.01	Pass

16QAM	2510	100	25	21.44	-1.98	19.46	<=33.01	Pass
			50	21.48	-1.98	19.50	<=33.01	Pass
			0	21.38	-1.98	19.40	<=33.01	Pass
		1	0	20.22	-1.98	18.24	<=33.01	Pass
			50	20.42	-1.98	18.44	<=33.01	Pass
			99	20.23	-1.98	18.25	<=33.01	Pass
		50	0	19.22	-1.98	17.24	<=33.01	Pass
			25	19.14	-1.98	17.16	<=33.01	Pass
			50	19.08	-1.98	17.10	<=33.01	Pass
		100	0	19.20	-1.98	17.22	<=33.01	Pass
	2535	1	0	20.50	-1.98	18.52	<=33.01	Pass
			50	20.94	-1.98	18.96	<=33.01	Pass
			99	20.98	-1.98	19.00	<=33.01	Pass
		50	0	19.37	-1.98	17.39	<=33.01	Pass
			25	19.62	-1.98	17.64	<=33.01	Pass
			50	19.70	-1.98	17.72	<=33.01	Pass
		100	0	19.58	-1.98	17.60	<=33.01	Pass
	2560	1	0	21.45	-1.98	19.47	<=33.01	Pass
			50	21.98	-1.98	20.00	<=33.01	Pass
			99	21.82	-1.98	19.84	<=33.01	Pass
		50	0	20.23	-1.98	18.25	<=33.01	Pass
			25	20.38	-1.98	18.40	<=33.01	Pass
			50	20.41	-1.98	18.43	<=33.01	Pass
		100	0	20.36	-1.98	18.38	<=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	-7.410	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-7.238	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-5.765	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-6.809	-0.0027	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-9.971	-0.0039	-2.5 to 2.5	Pass
					3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.297	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.695	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-13.118	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0029	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-4.220	-0.0016	-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	-4.835	-0.0019	-2.5 to 2.5	Pass
						4.43	-6.752	-0.0026	-2.5 to 2.5	Pass
					-30	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
					-20	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
					-10	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
					0	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
					10	3.85	-2.861	-0.0011	-2.5 to 2.5	Pass
					30	3.85	2.632	0.0010	-2.5 to 2.5	Pass
					40	3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
50	3.85	5.035	0.0020	-2.5 to 2.5	Pass					
16QAM	2502.5	25	0	20	3.27	-4.549	-0.0018	-2.5 to 2.5	Pass	
					3.85	-4.478	-0.0018	-2.5 to 2.5	Pass	
					4.43	-8.383	-0.0033	-2.5 to 2.5	Pass	
				-30	3.85	-5.751	-0.0023	-2.5 to 2.5	Pass	
				-20	3.85	-7.768	-0.0031	-2.5 to 2.5	Pass	
				-10	3.85	-12.660	-0.0051	-2.5 to 2.5	Pass	
				0	3.85	-6.495	-0.0026	-2.5 to 2.5	Pass	
				10	3.85	-5.779	-0.0023	-2.5 to 2.5	Pass	
				30	3.85	-4.363	-0.0017	-2.5 to 2.5	Pass	
				40	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass	
				50	3.85	0.372	0.0001	-2.5 to 2.5	Pass	
							20	3.27	-9.799	-0.0039
	3.85	-9.699	-0.0038					-2.5 to 2.5	Pass	
	4.43	-5.865	-0.0023					-2.5 to 2.5	Pass	
	-30	3.85	-7.238				-0.0029	-2.5 to 2.5	Pass	
	-20	3.85	-8.225				-0.0032	-2.5 to 2.5	Pass	
	-10	3.85	-7.482				-0.0030	-2.5 to 2.5	Pass	
	0	3.85	-15.407				-0.0061	-2.5 to 2.5	Pass	
	10	3.85	-3.362				-0.0013	-2.5 to 2.5	Pass	
	30	3.85	-4.106				-0.0016	-2.5 to 2.5	Pass	
	40	3.85	-12.832				-0.0051	-2.5 to 2.5	Pass	
	50	3.85	-5.150				-0.0020	-2.5 to 2.5	Pass	
	2567.5	25	0				20	3.27	-1.388	-0.0005
				3.85	-4.892	-0.0019		-2.5 to 2.5	Pass	
				4.43	-3.591	-0.0014		-2.5 to 2.5	Pass	
				-30	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass	
				-20	3.85	-9.284	-0.0036	-2.5 to 2.5	Pass	
				-10	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass	
				0	3.85	-5.994	-0.0023	-2.5 to 2.5	Pass	
				10	3.85	-1.631	-0.0006	-2.5 to 2.5	Pass	
				30	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass	
				40	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass	
				50	3.85	-11.516	-0.0045	-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	-5.050	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.533	-0.0014	-2.5 to 2.5	Pass
					4.43	-8.826	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-10.829	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-7.739	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass

16QAM	2535	50	0	50	3.85	-5.050	-0.0020	-2.5 to 2.5	Pass
				20	3.27	-4.649	-0.0018	-2.5 to 2.5	Pass
					3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
					4.43	-9.985	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.531	0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-11.201	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.011	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-10.071	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-5.035	-0.0020	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-2.804	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
					4.43	-10.285	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-9.227	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
	2505	50	0	20	3.27	-3.319	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.233	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.219	-0.0013	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-9.313	-0.0037	-2.5 to 2.5	Pass
					3.85	-14.820	-0.0058	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-11.158	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-10.057	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-5.493	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-8.554	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.540	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-5.808	-0.0023	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-1.173	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
					4.43	1.087	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-7.968	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				50	3.85	3.476	0.0014	-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	-6.123	-0.0024	-2.5 to 2.5	Pass
					3.85	-7.224	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-8.812	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.147	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-9.112	-0.0036	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0016	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-9.513	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
				0	3.85	1.831	0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0010	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-9.599	-0.0037	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0010	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-9.327	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.140	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-3.033	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
					4.43	1.745	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-2.418	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.864	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	1.531	0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-6.022	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0011	-2.5 to 2.5	Pass
	2562.5	75	0	50	3.85	-6.037	-0.0024	-2.5 to 2.5	Pass
				20	3.27	-3.004	-0.0012	-2.5 to 2.5	Pass

					3.85	-0.472	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.501	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-7.010	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-7.238	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0027	-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	-3.748	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.230	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-6.795	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-4.621	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0021	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-0.315	-0.0001	-2.5 to 2.5	Pass
					3.85	2.961	0.0012	-2.5 to 2.5	Pass
					4.43	-2.046	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.663	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.173	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0004	-2.5 to 2.5	Pass
				50	3.85	-4.206	-0.0017	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-6.194	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0015	-2.5 to 2.5	Pass
					4.43	-6.366	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-8.268	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-10.014	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-10.815	-0.0042	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	4.005	0.0016	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.688	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-4.692	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0030	-2.5 to 2.5	Pass

	2535	100	0	50	3.85	-9.284	-0.0037	-2.5 to 2.5	Pass
				20	3.27	-11.544	-0.0046	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.220	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-10.500	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.718	-0.0011	-2.5 to 2.5	Pass
	2560	100	0	40	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
				20	3.27	-8.669	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-7.782	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.433	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.633	-0.0014	-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

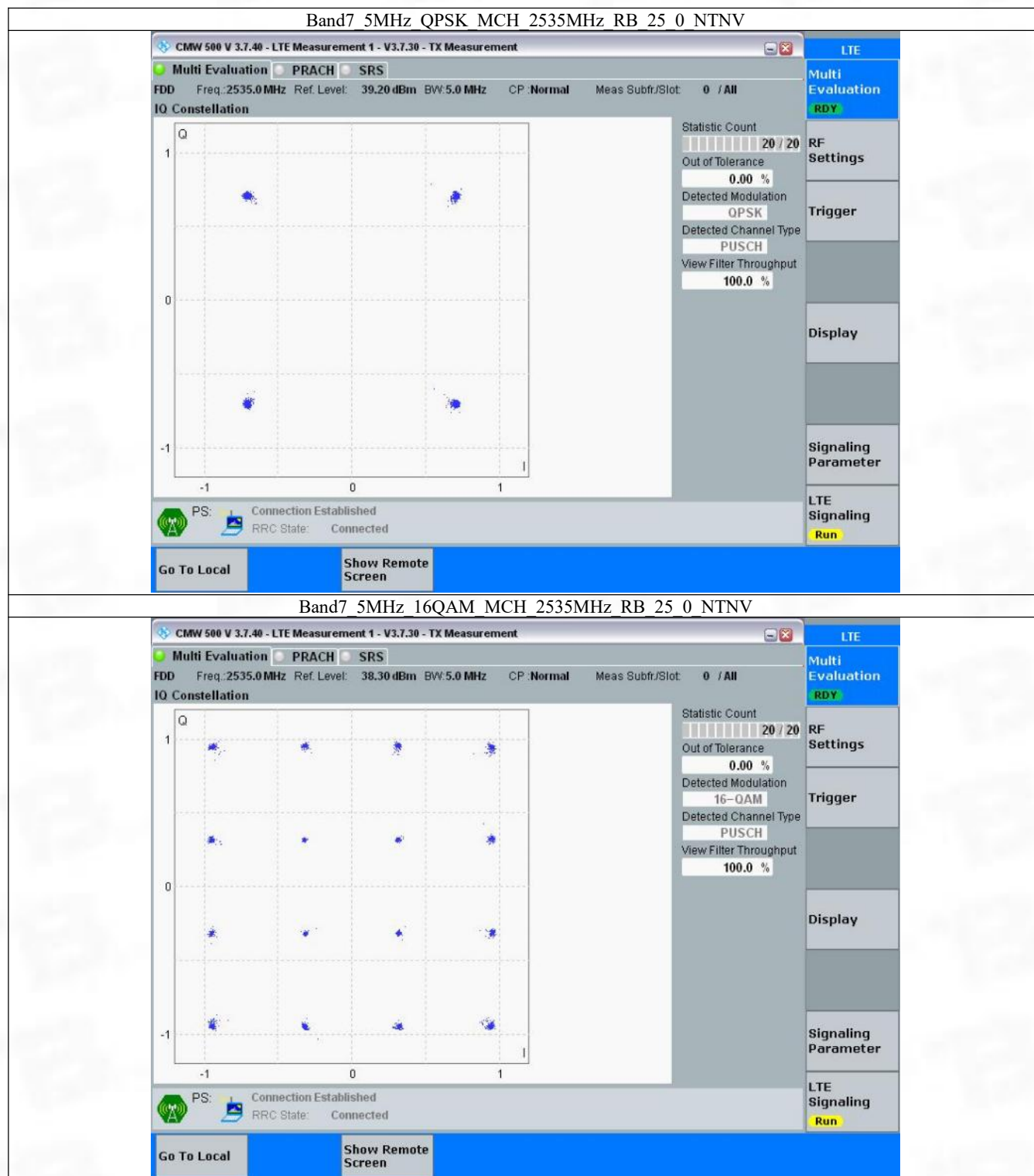
3.1.4 B7_20MHz

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

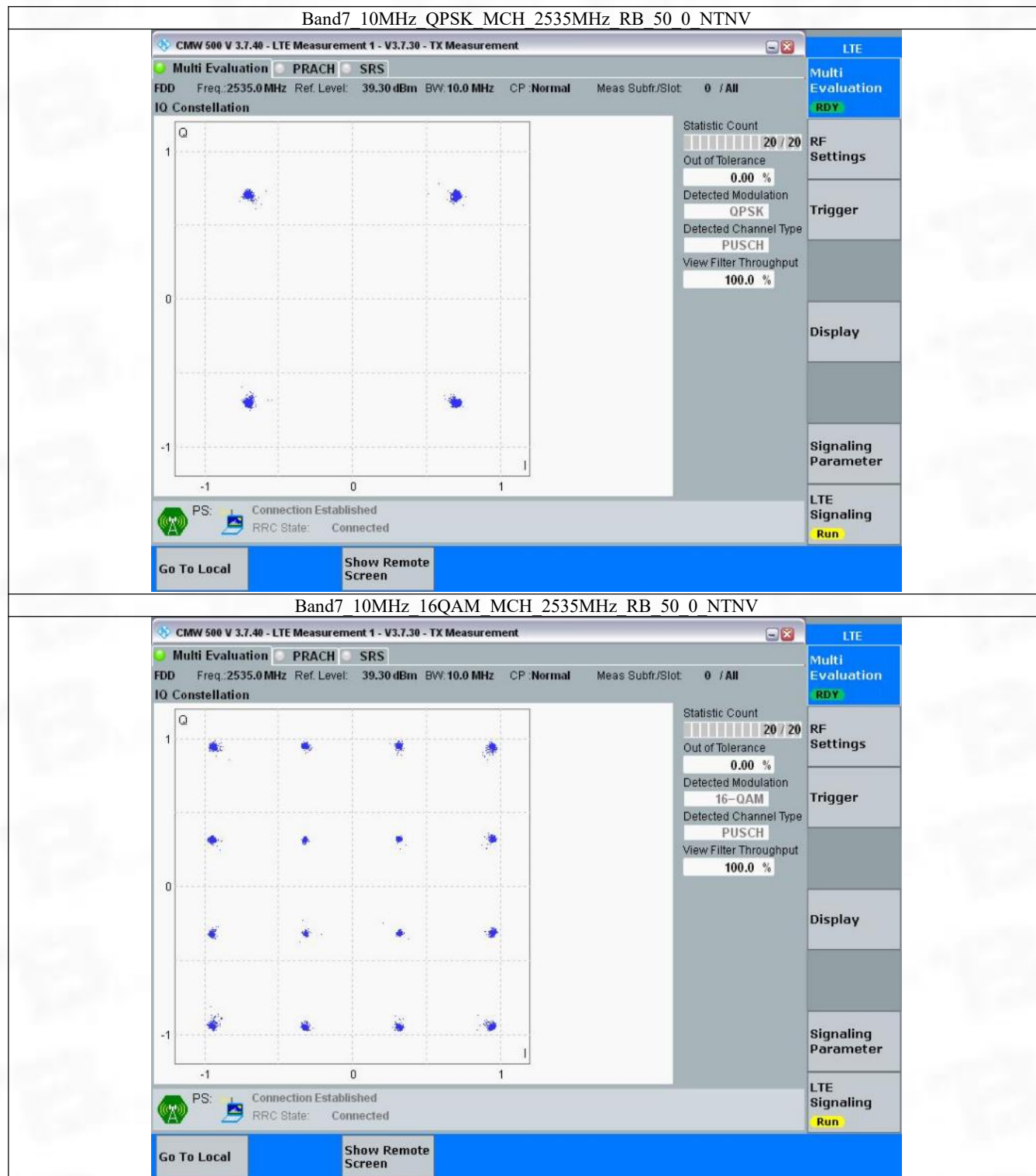
	(MHz)	Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

3.2 Test Graph

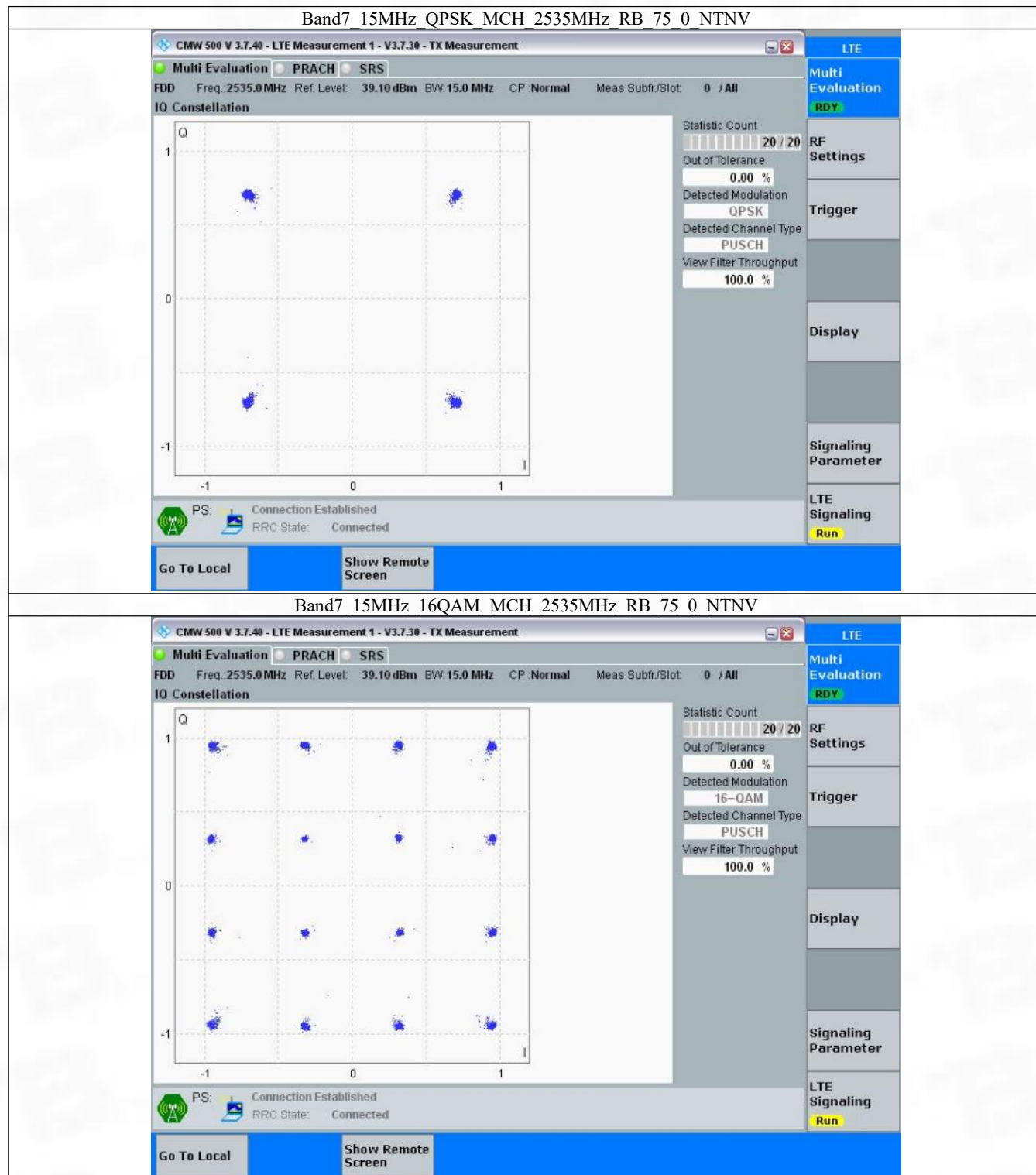
3.2.1 B7_5MHz



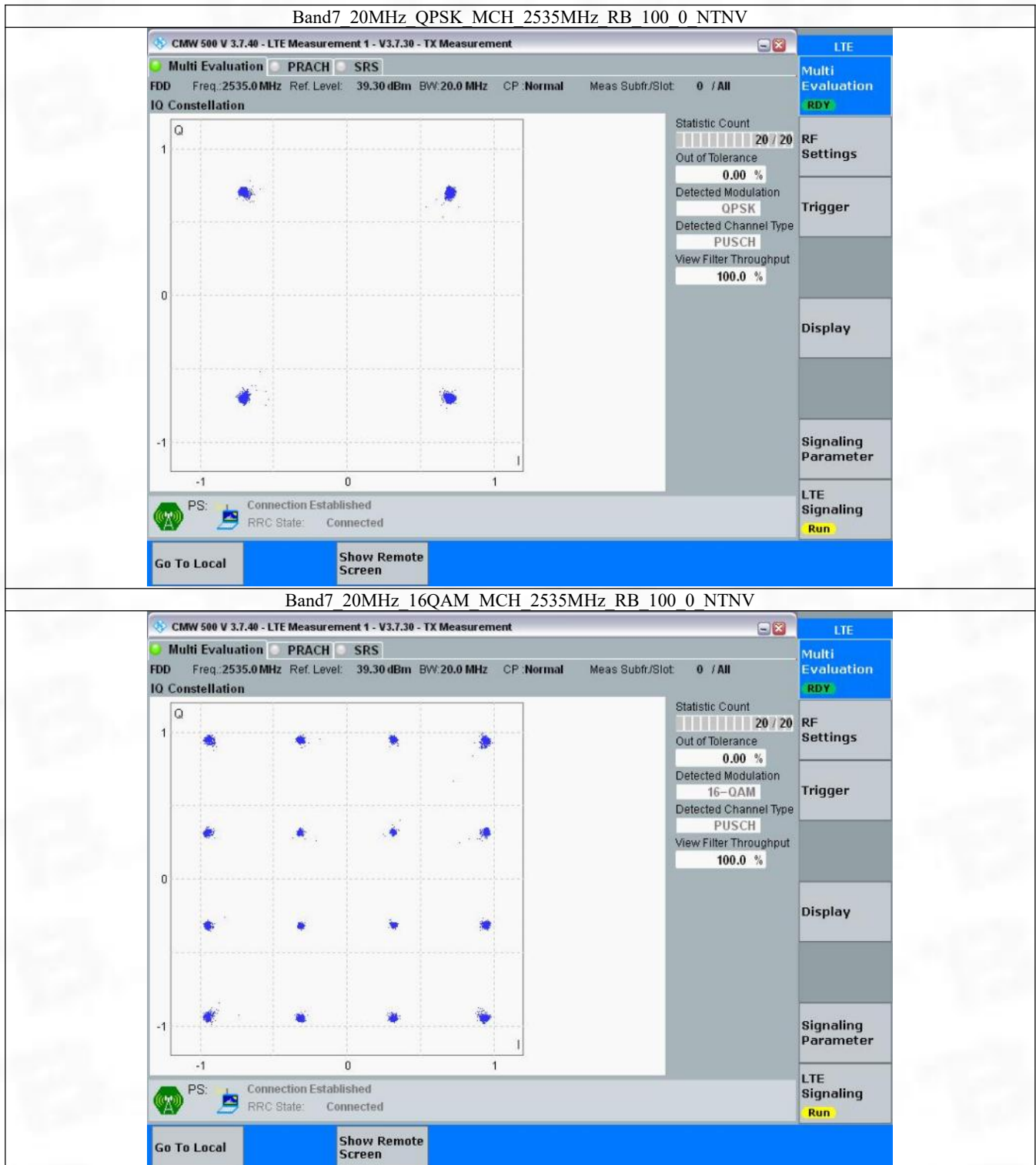
3.2.2 B7_10MHz



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	4.530	/	Pass
		2535	25	0	4.532	/	Pass
		2567.5	25	0	4.551	/	Pass
	16QAM	2502.5	25	0	4.526	/	Pass
		2535	25	0	4.547	/	Pass
		2567.5	25	0	4.573	/	Pass
10	QPSK	2505	50	0	9.063	/	Pass
		2535	50	0	9.055	/	Pass
		2565	50	0	9.073	/	Pass
	16QAM	2505	50	0	9.064	/	Pass
		2535	50	0	9.033	/	Pass
		2565	50	0	9.068	/	Pass
15	QPSK	2507.5	75	0	13.594	/	Pass
		2535	75	0	13.551	/	Pass
		2562.5	75	0	13.618	/	Pass
	16QAM	2507.5	75	0	13.599	/	Pass
		2535	75	0	13.553	/	Pass
		2562.5	75	0	13.582	/	Pass
20	QPSK	2510	100	0	18.126	/	Pass
		2535	100	0	18.041	/	Pass
		2560	100	0	18.147	/	Pass
	16QAM	2510	100	0	18.132	/	Pass
		2535	100	0	18.070	/	Pass
		2560	100	0	18.239	/	Pass

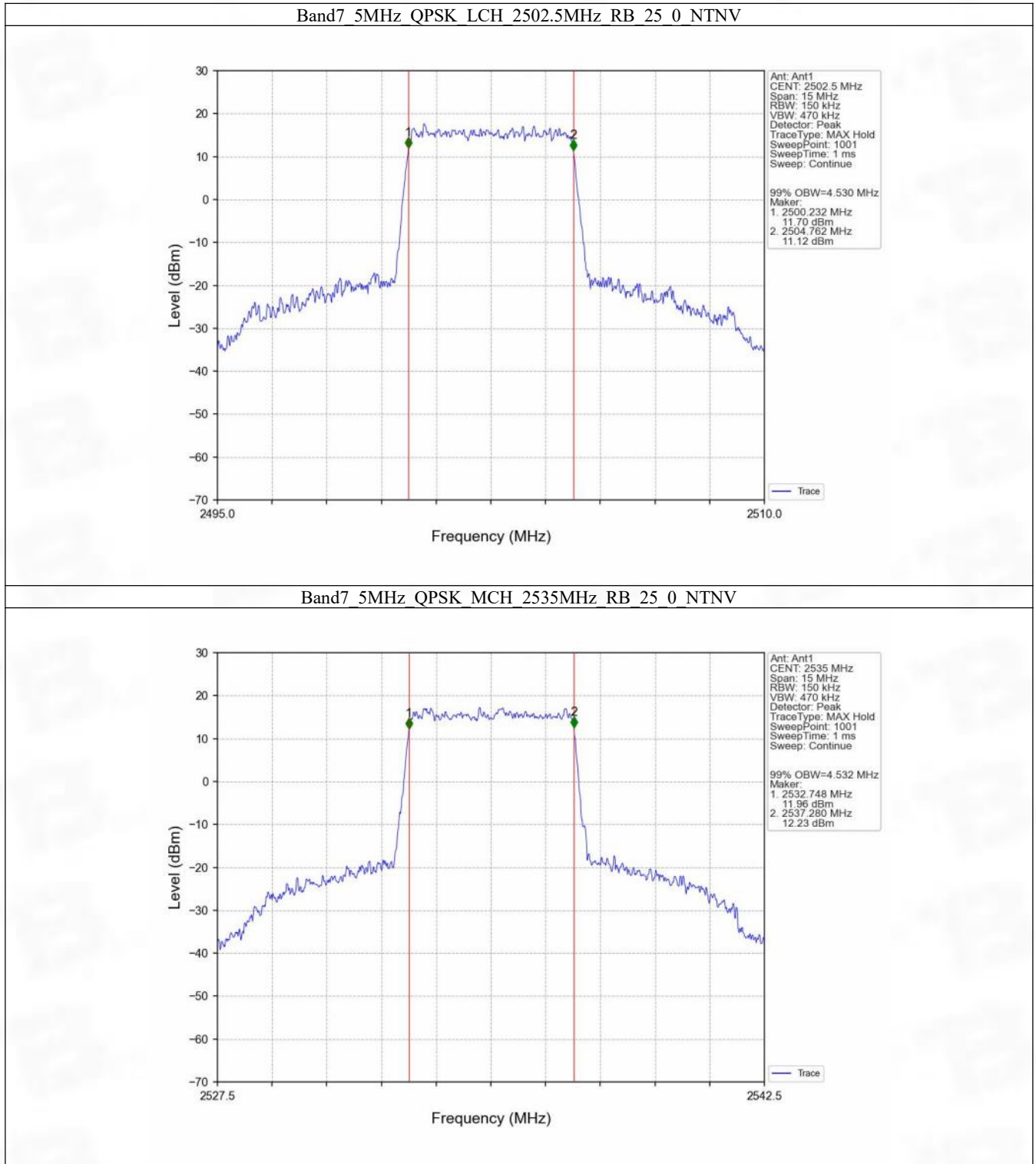
4.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.017	/	Pass
		2535	25	0	5.005	/	Pass
		2567.5	25	0	5.013	/	Pass
	16QAM	2502.5	25	0	5.001	/	Pass
		2535	25	0	5.010	/	Pass
		2567.5	25	0	4.987	/	Pass
10	QPSK	2505	50	0	9.917	/	Pass
		2535	50	0	9.948	/	Pass
		2565	50	0	10.088	/	Pass
	16QAM	2505	50	0	9.924	/	Pass
		2535	50	0	9.865	/	Pass
		2565	50	0	9.948	/	Pass
15	QPSK	2507.5	75	0	14.886	/	Pass
		2535	75	0	15.084	/	Pass
		2562.5	75	0	14.917	/	Pass
	16QAM	2507.5	75	0	14.853	/	Pass
		2535	75	0	14.904	/	Pass

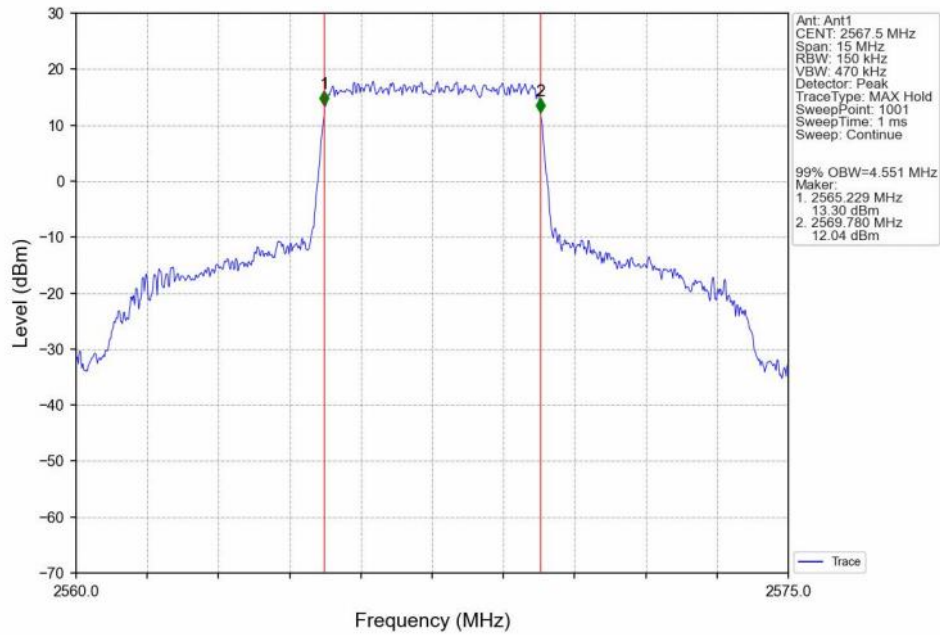
20	QPSK	2562.5	75	0	14.954	/	Pass
		2510	100	0	19.689	/	Pass
		2535	100	0	19.770	/	Pass
		2560	100	0	19.688	/	Pass
	16QAM	2510	100	0	19.547	/	Pass
		2535	100	0	19.743	/	Pass
		2560	100	0	19.805	/	Pass

4.2 Test Graph

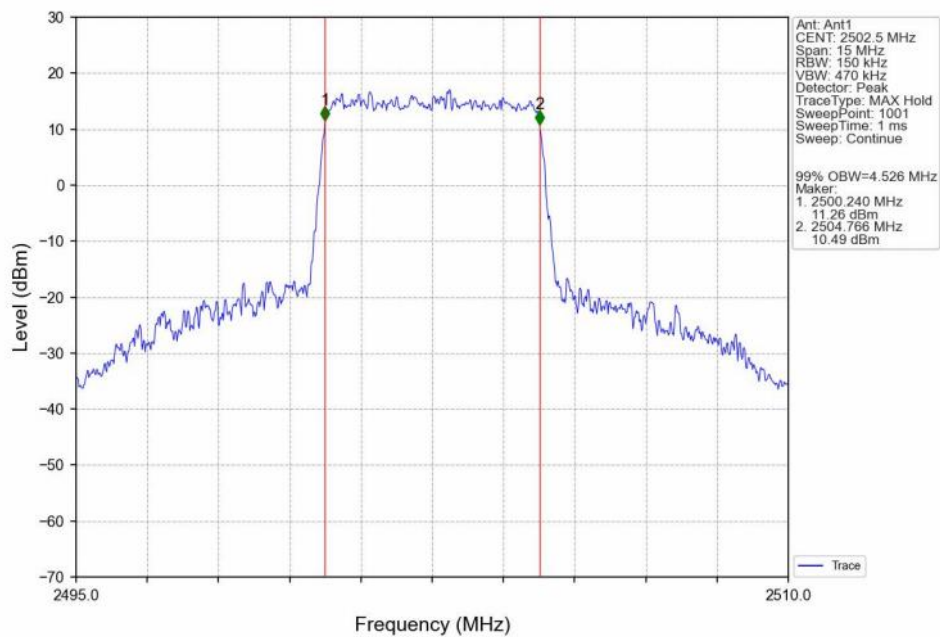
4.2.1 Band7_OBW



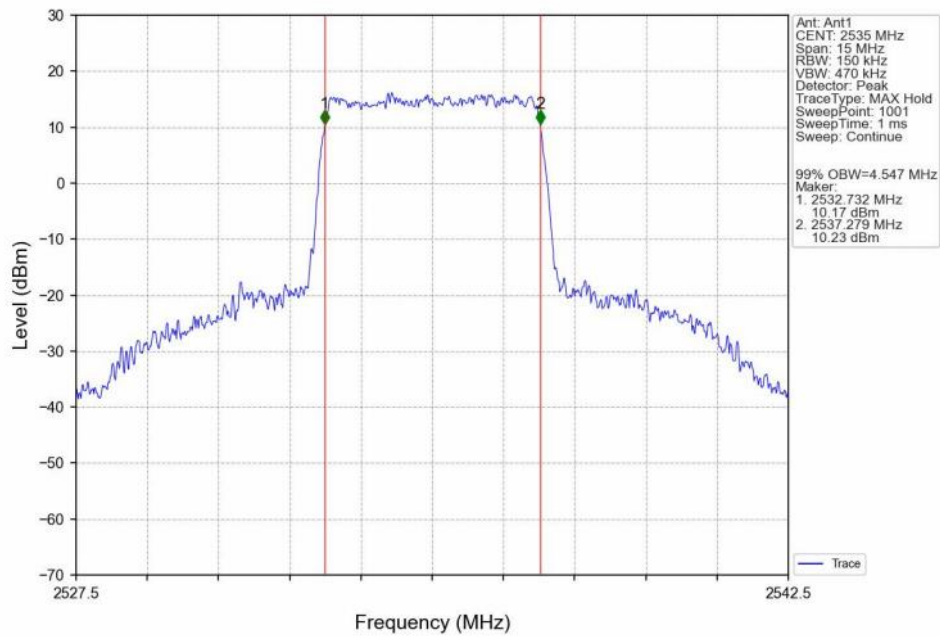
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



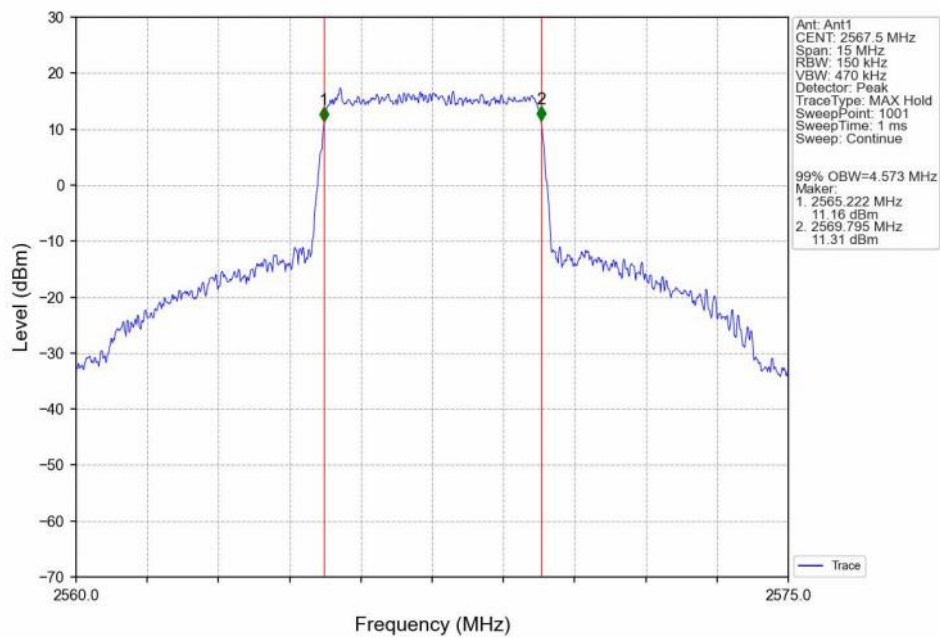
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



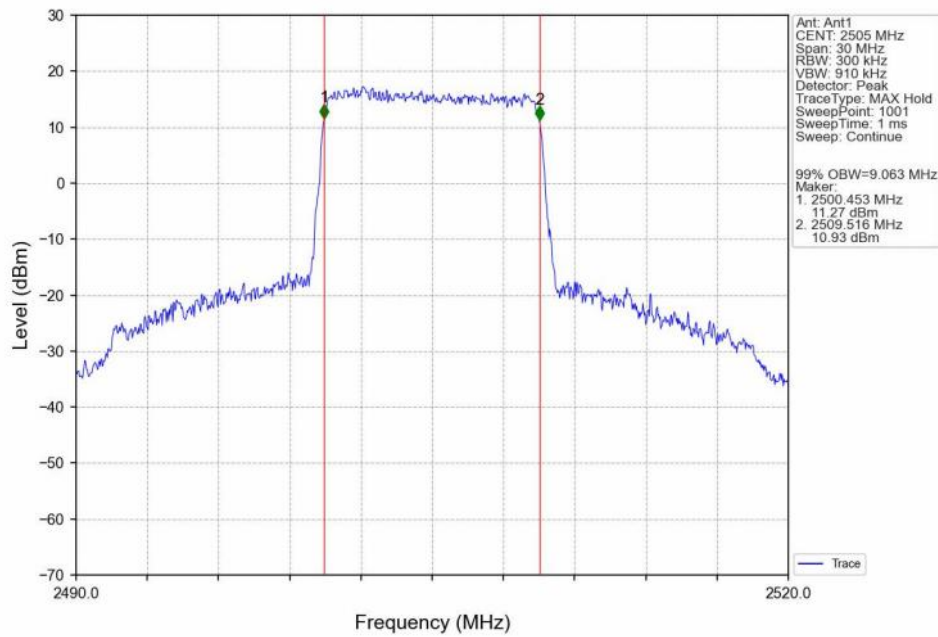
Band7 5MHz 16QAM MCH 2535MHz RB 25 0 NTNV



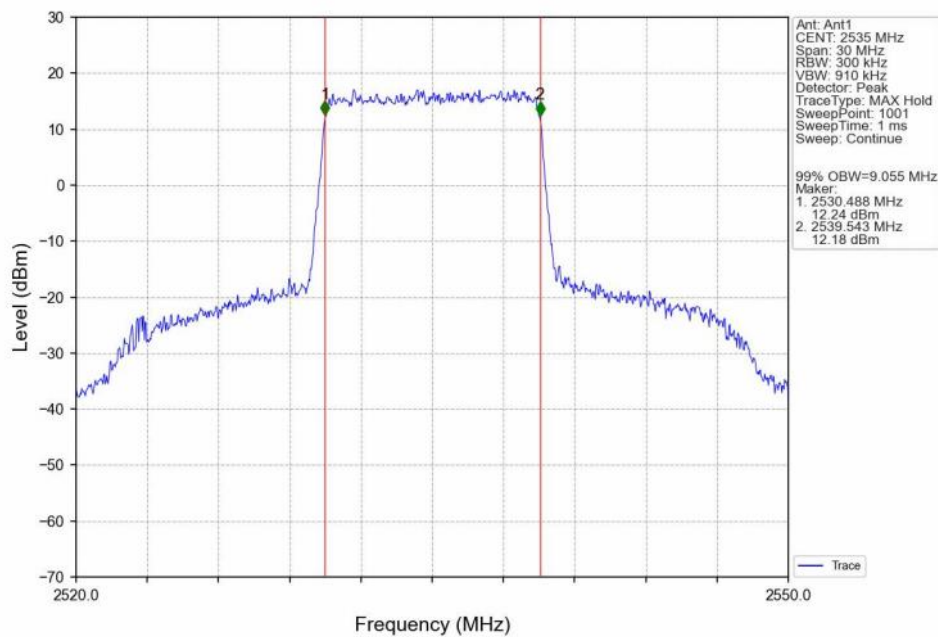
Band7 5MHz 16QAM HCH 2567.5MHz RB 25 0 NTNV



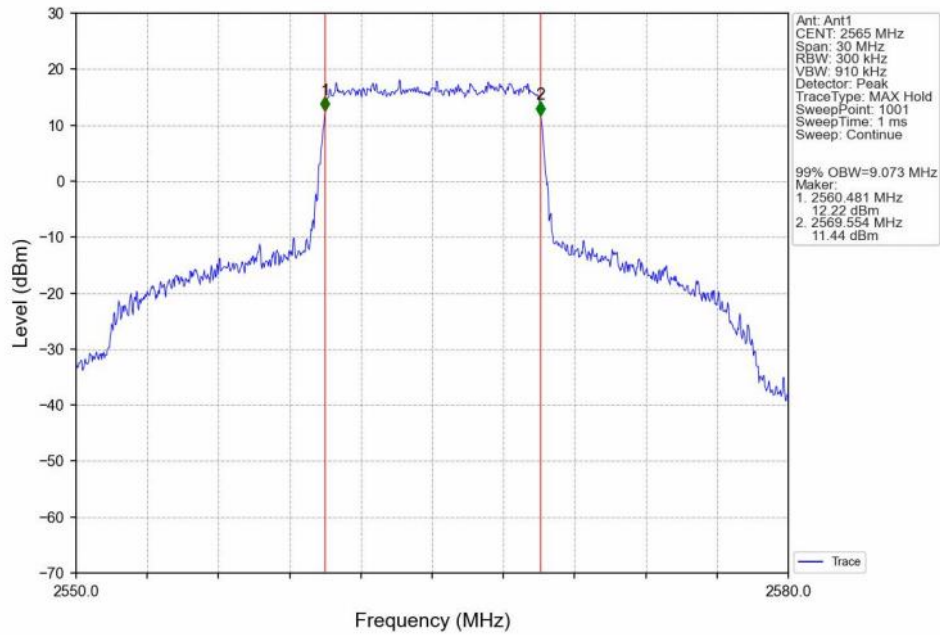
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



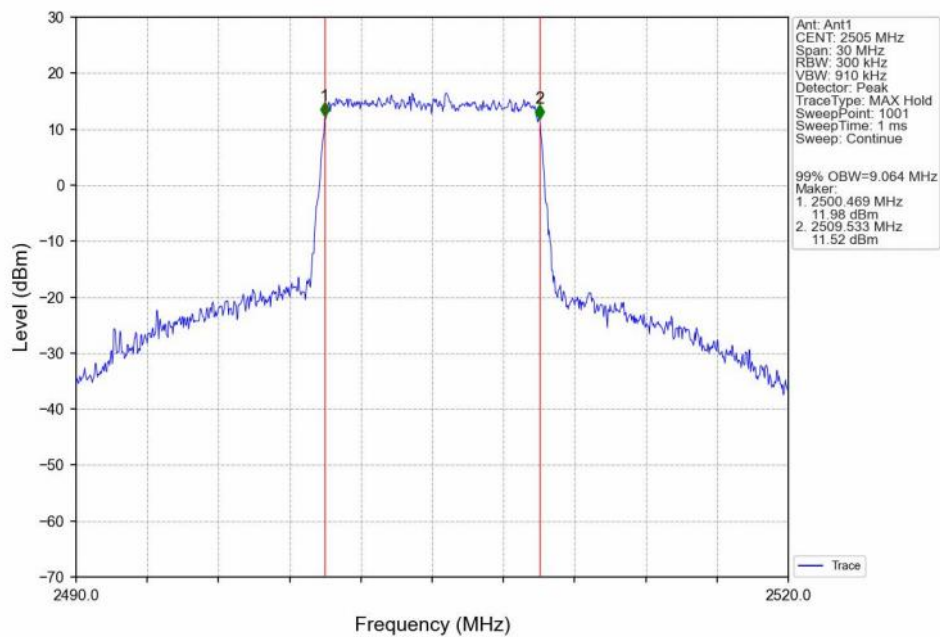
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



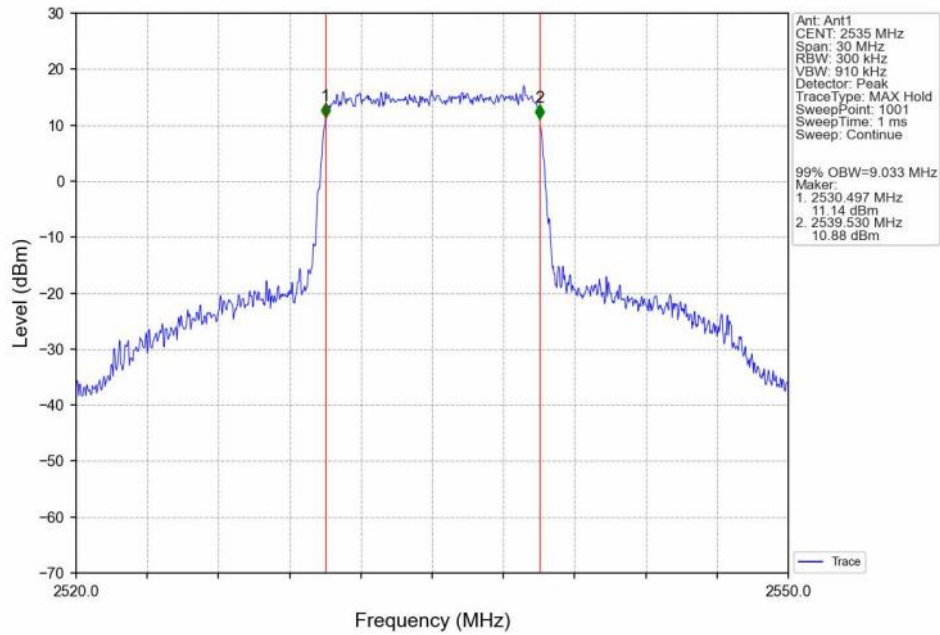
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



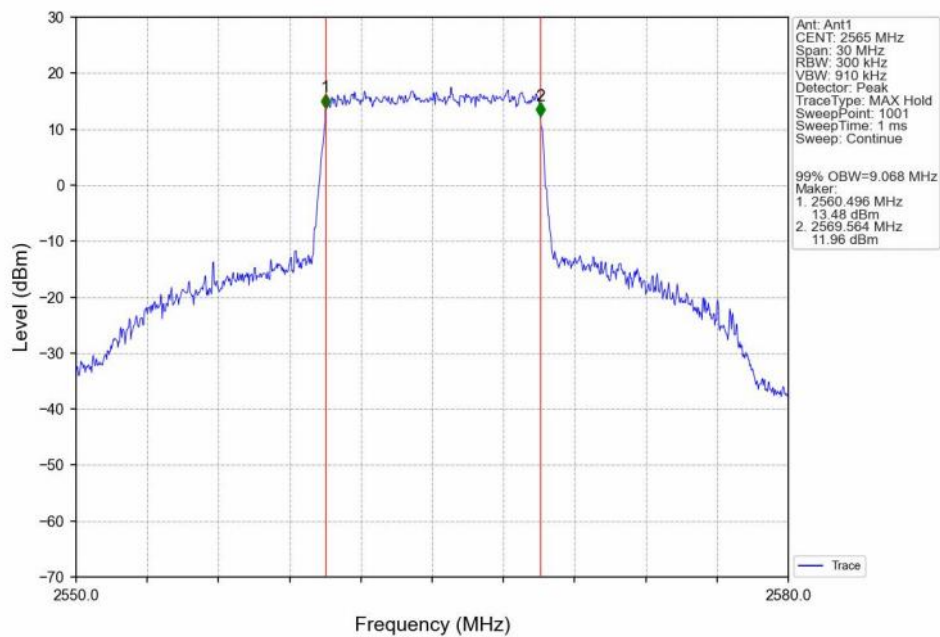
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



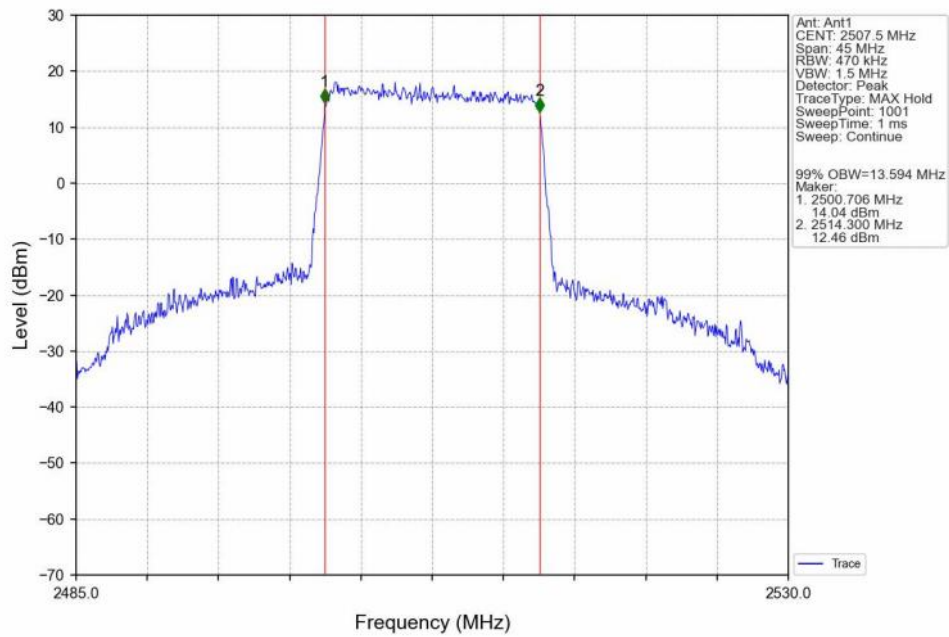
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



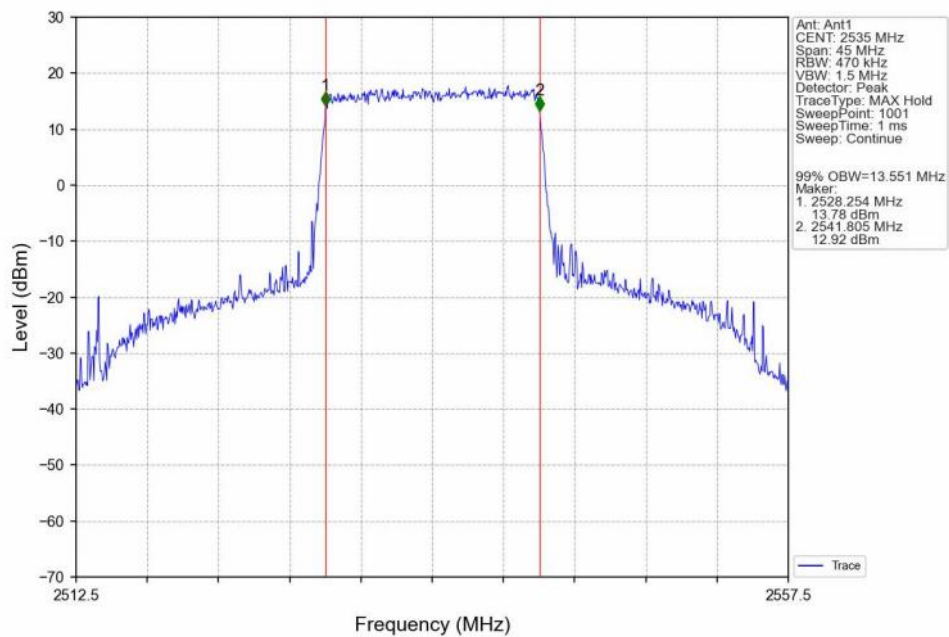
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



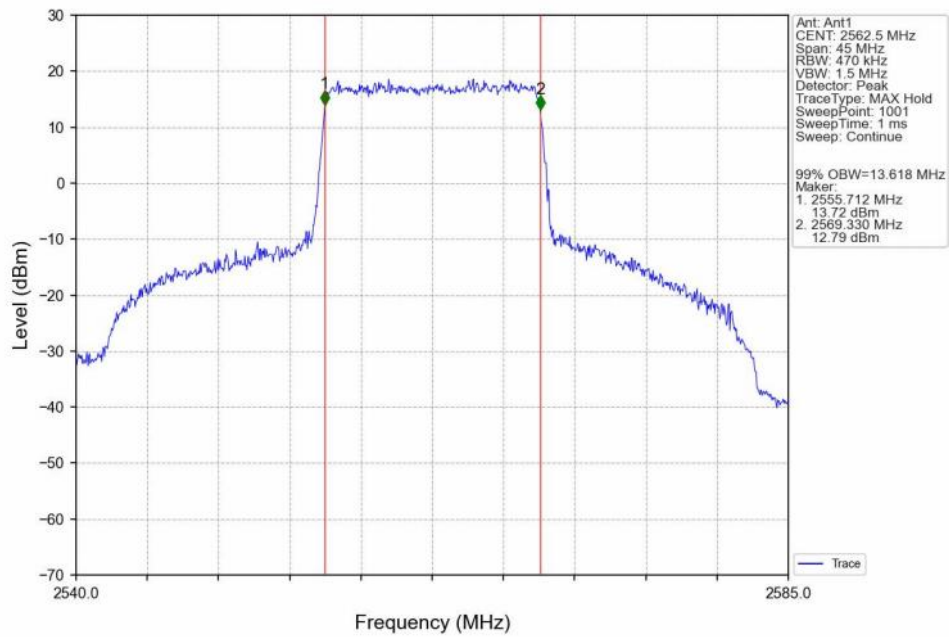
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTN



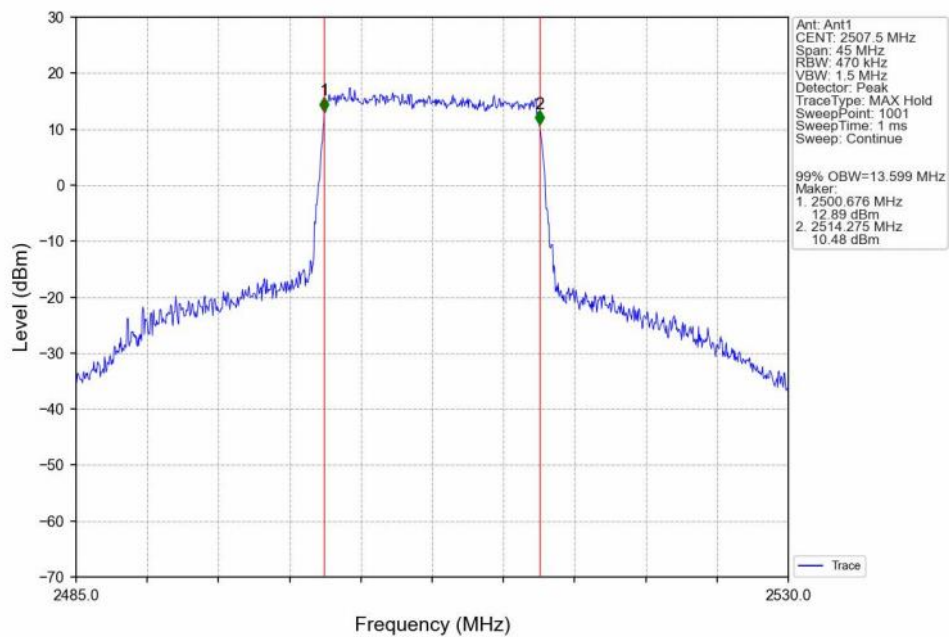
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTN



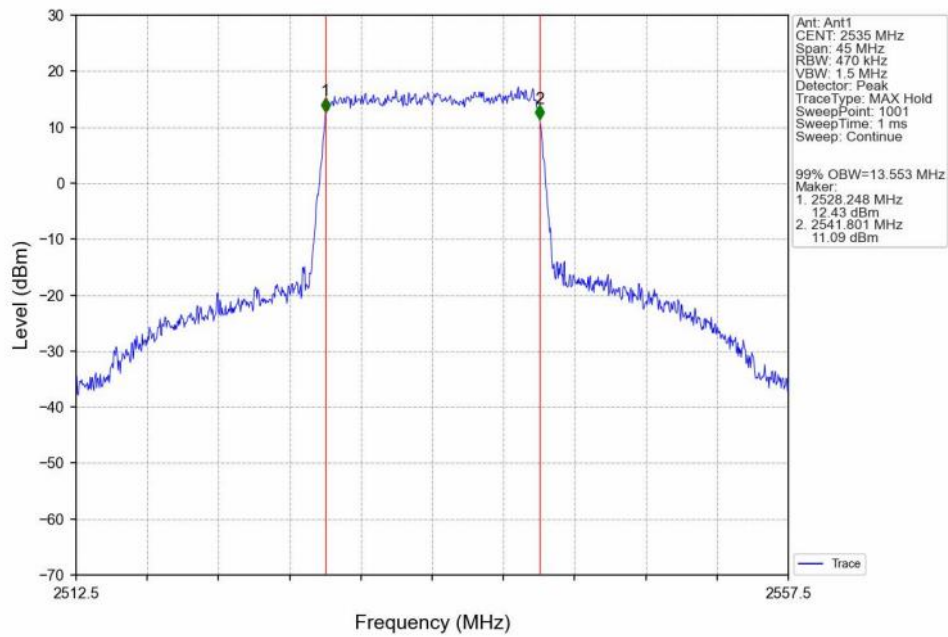
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



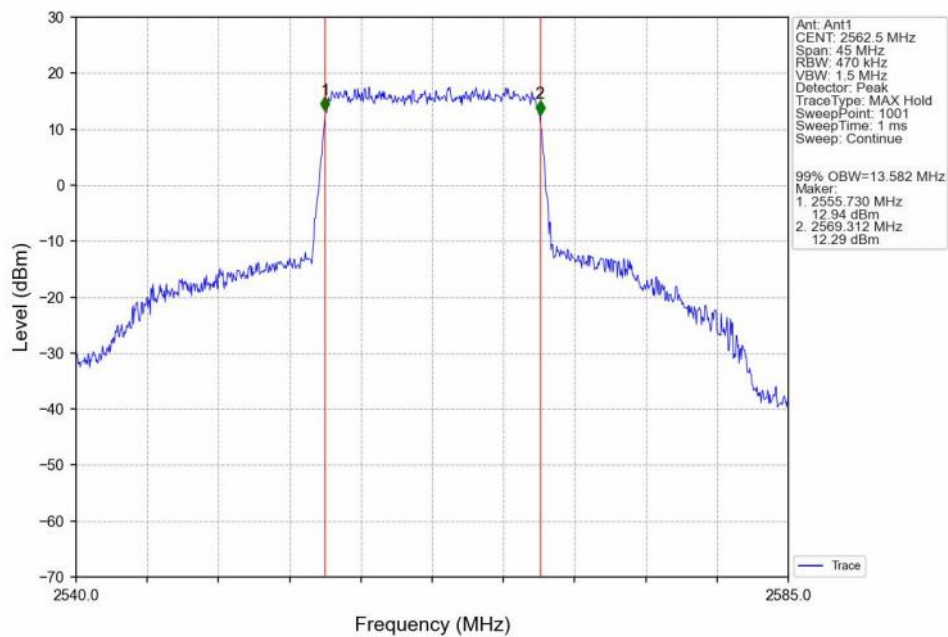
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



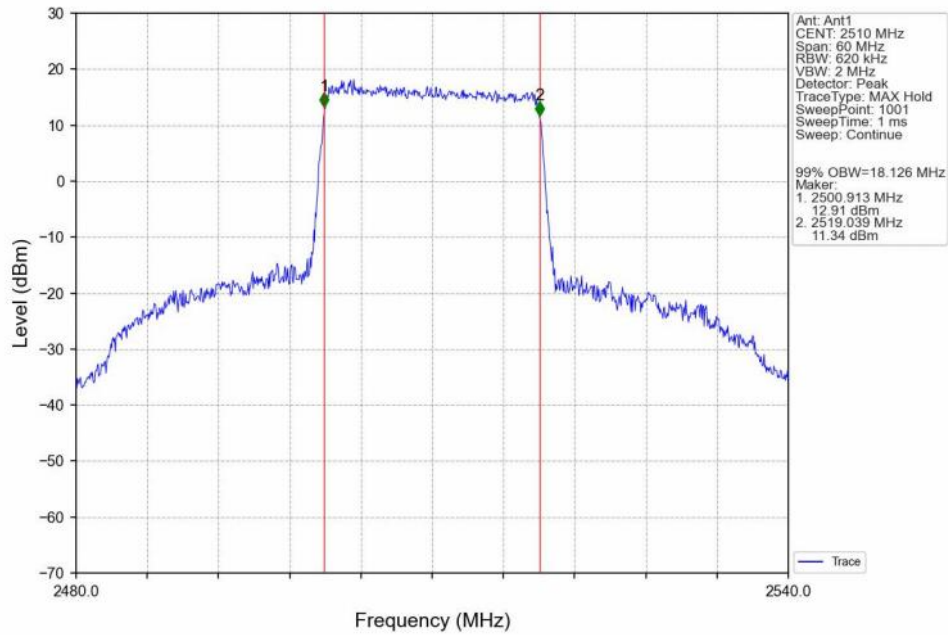
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



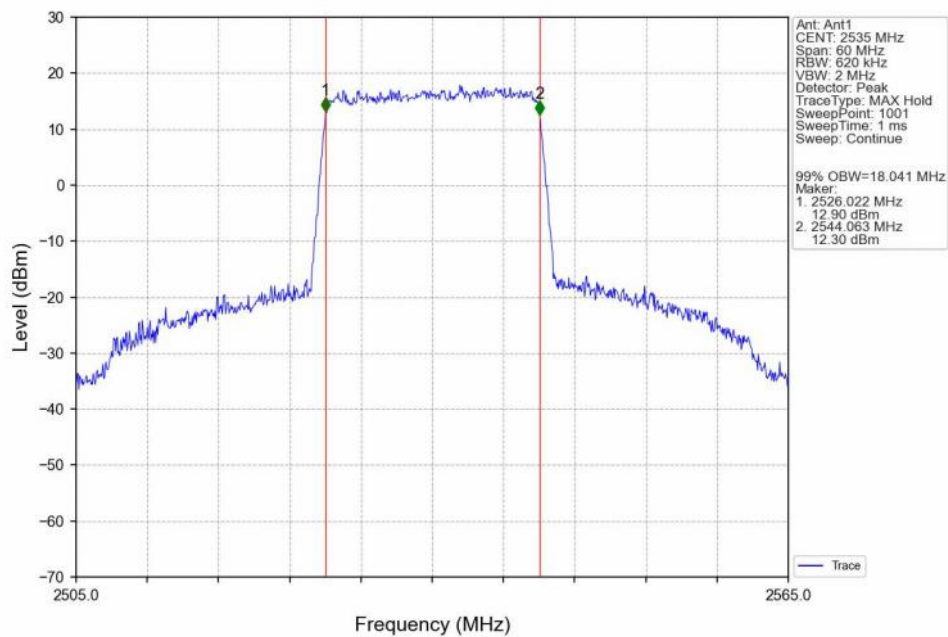
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



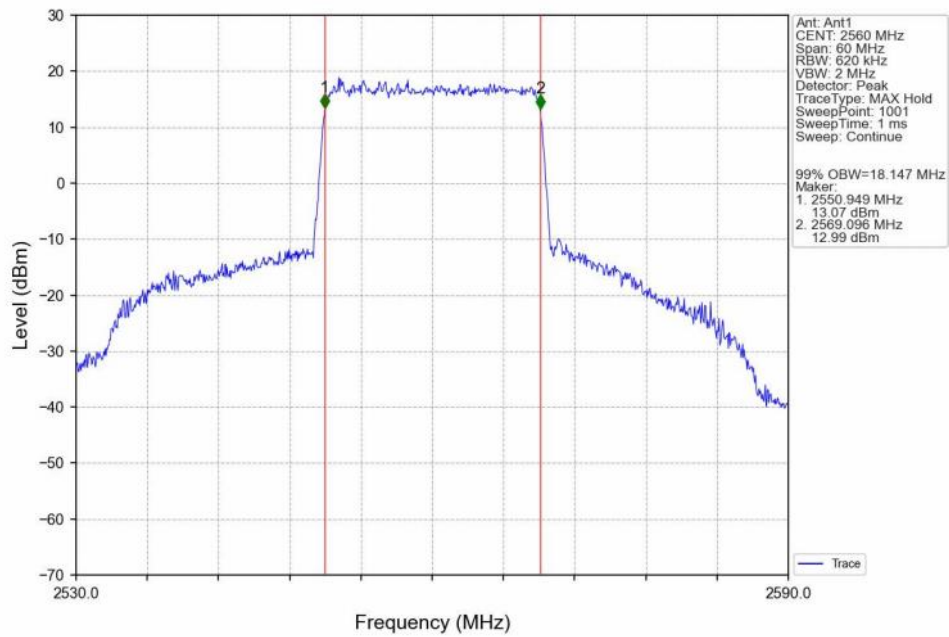
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



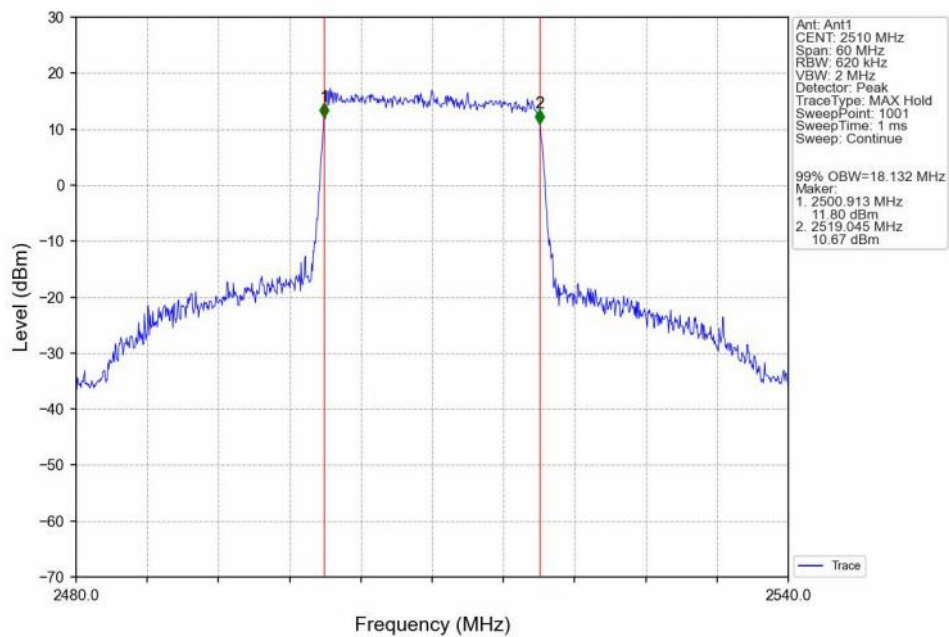
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



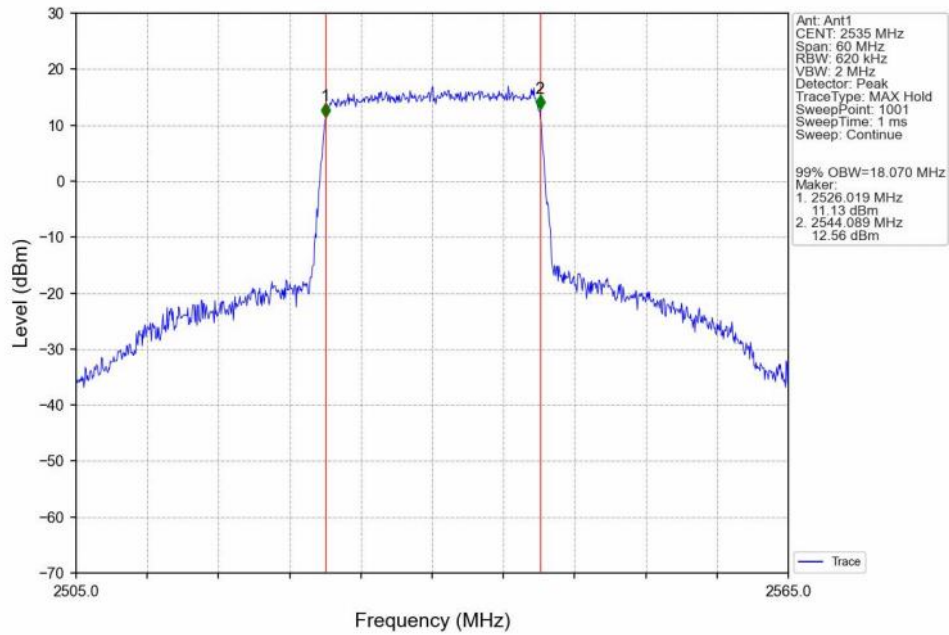
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



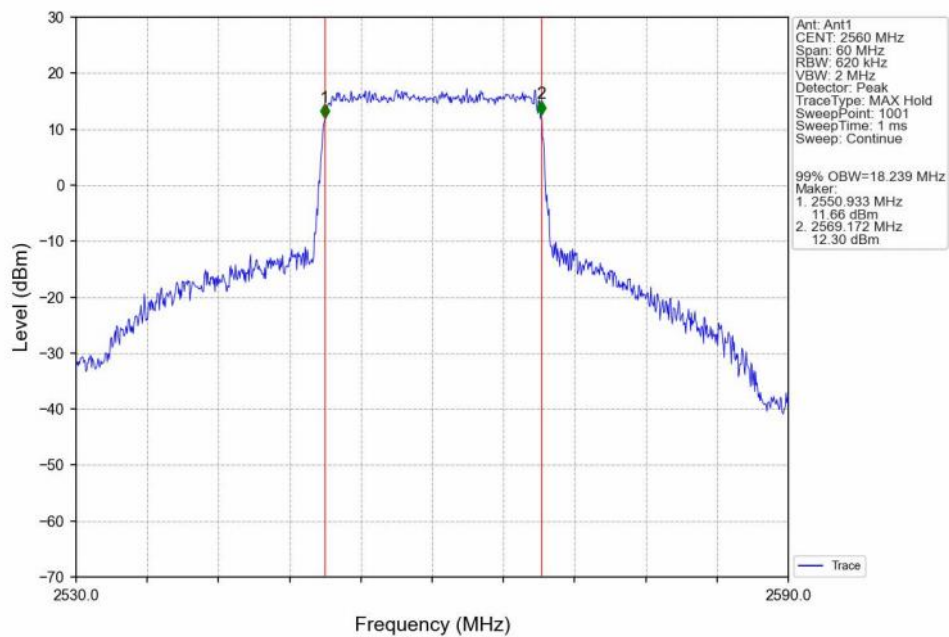
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



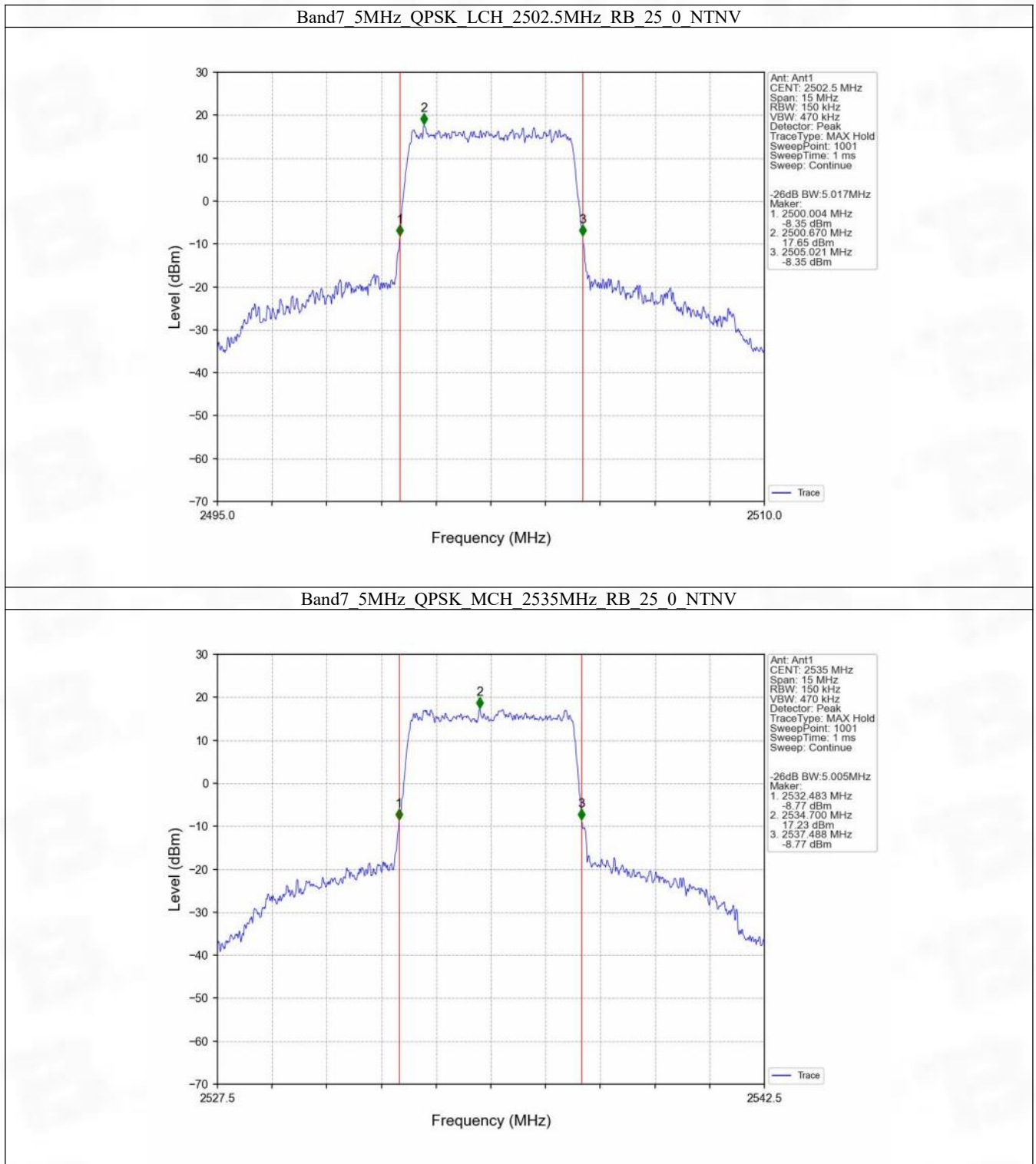
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



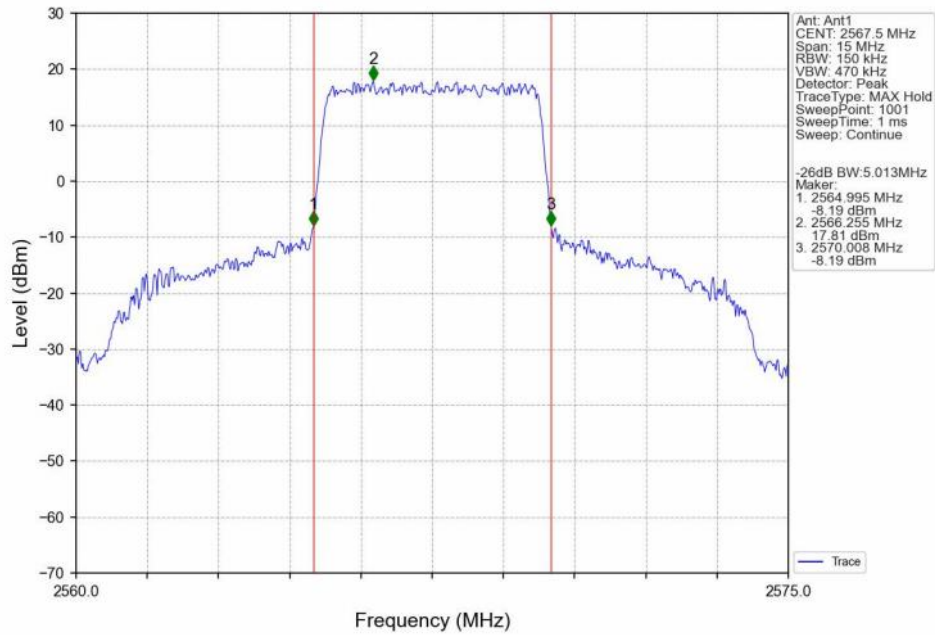
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



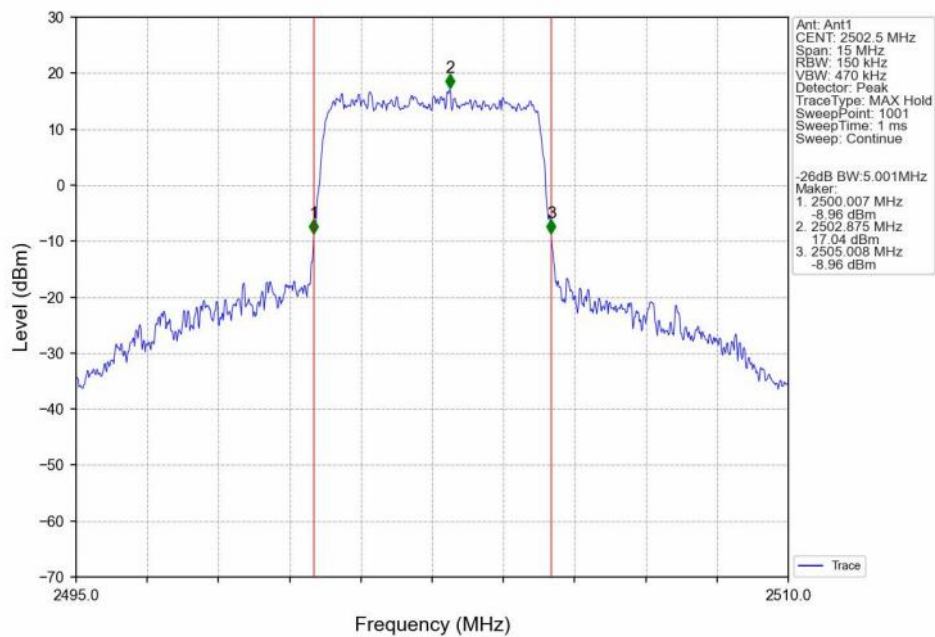
4.2.2 Band7_XDB



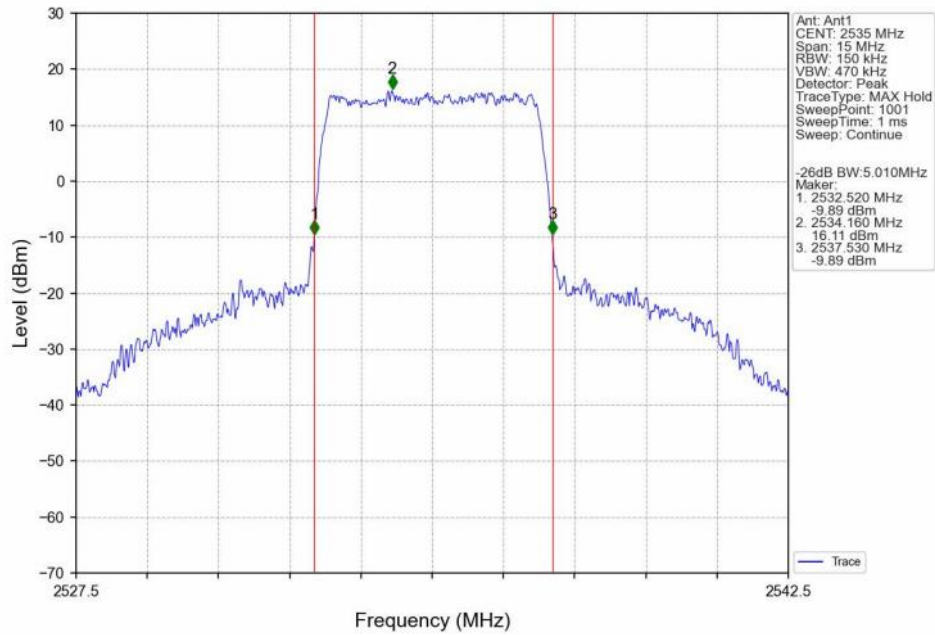
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



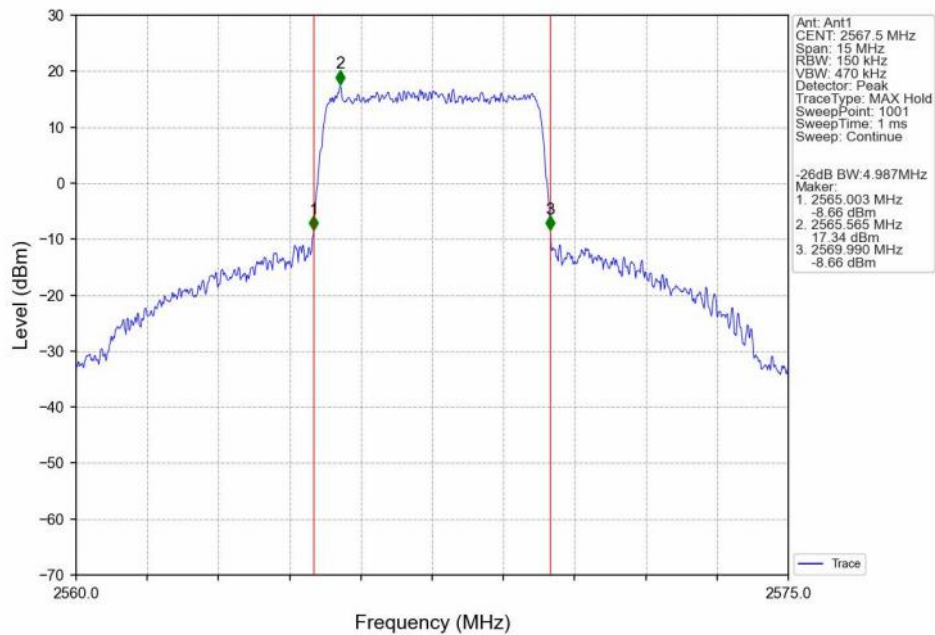
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



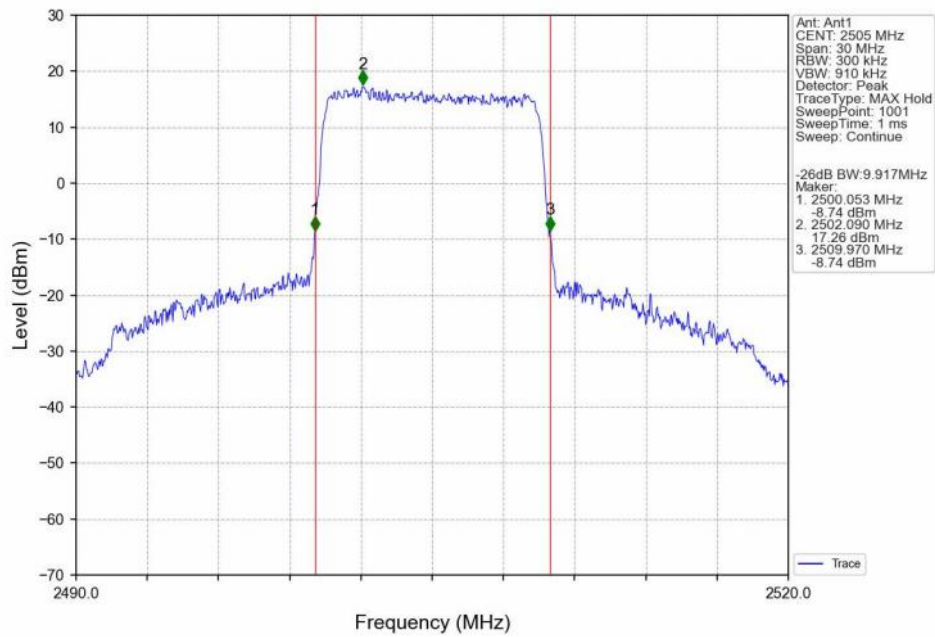
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



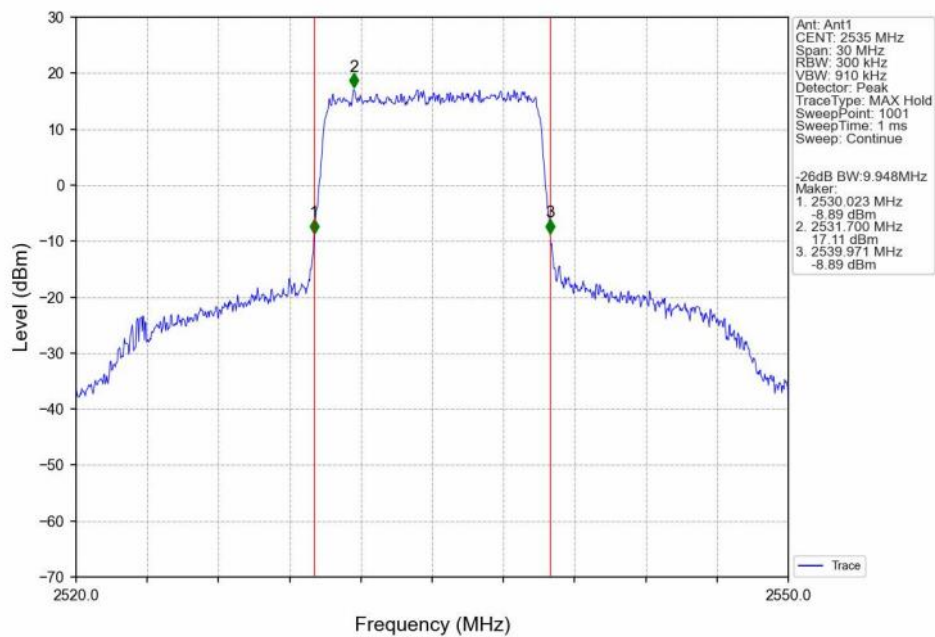
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



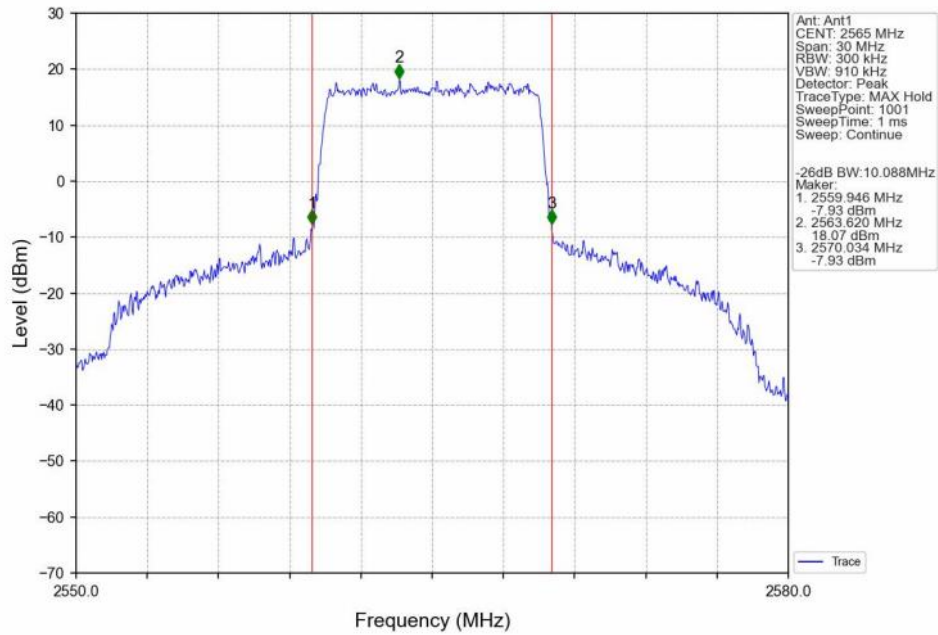
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



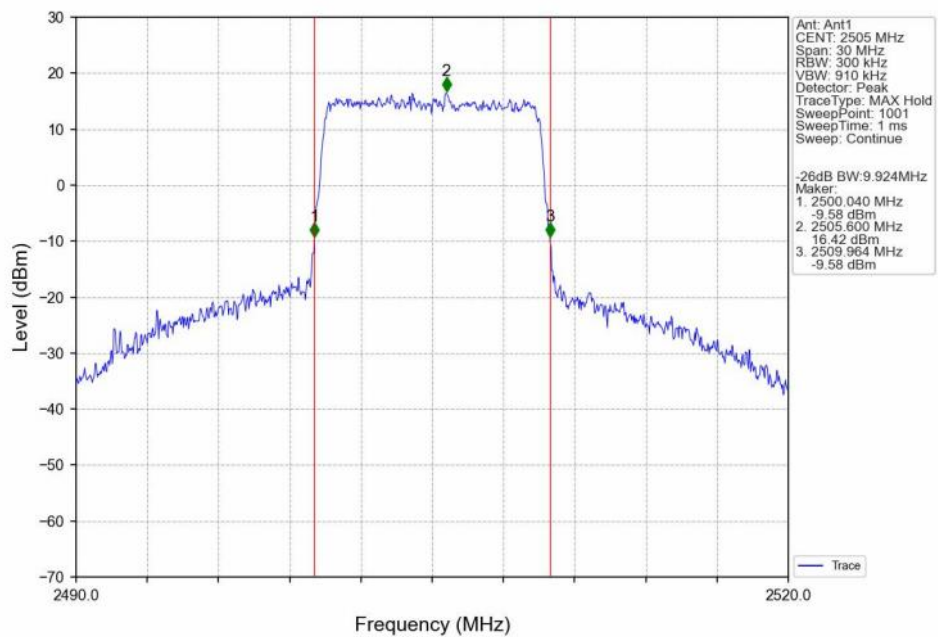
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



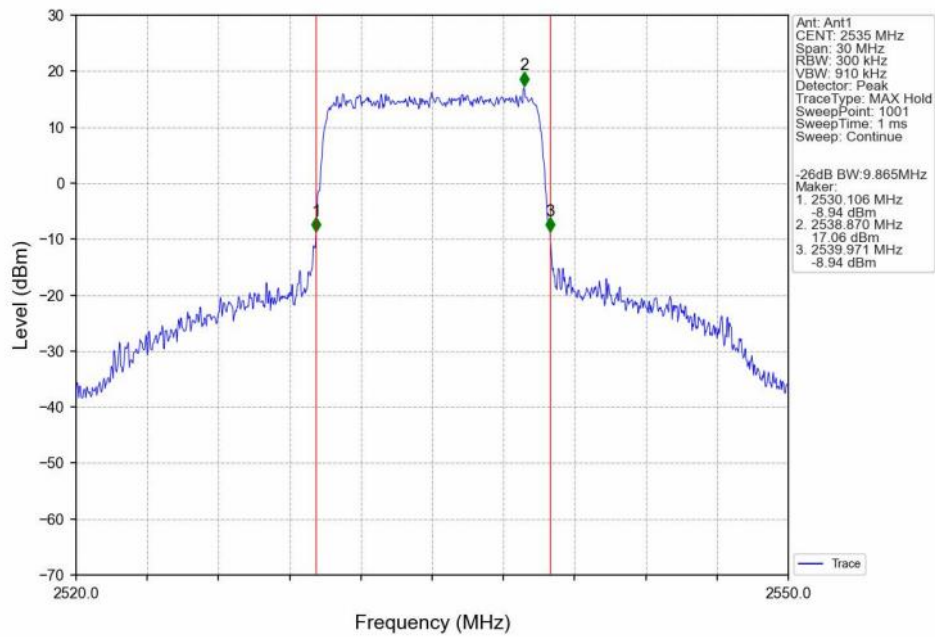
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



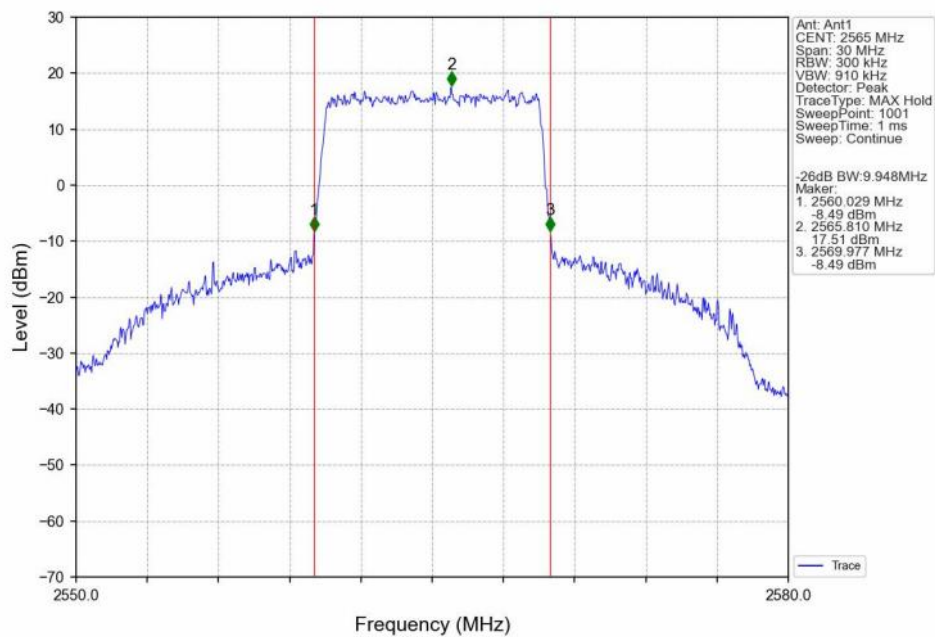
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



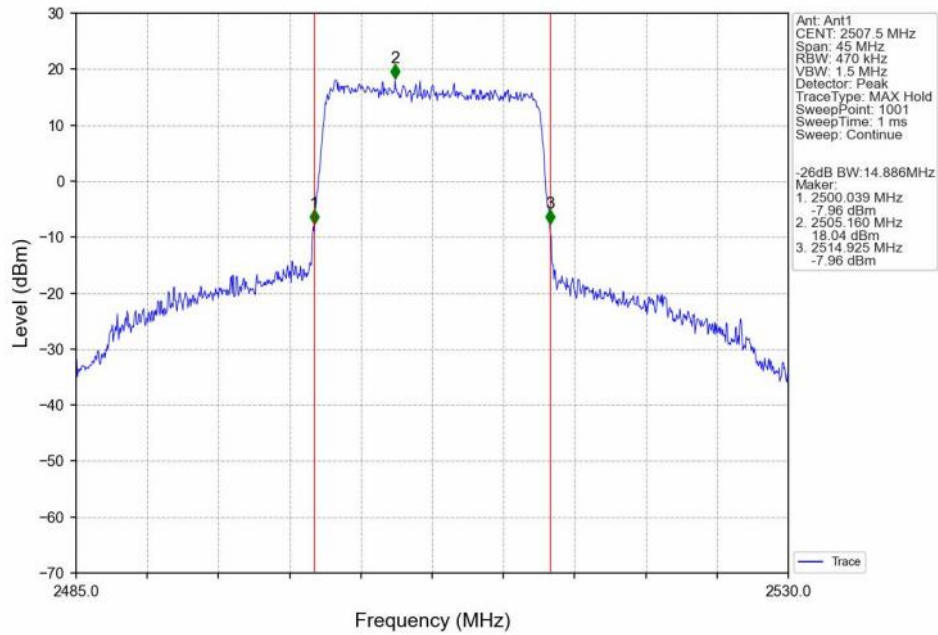
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



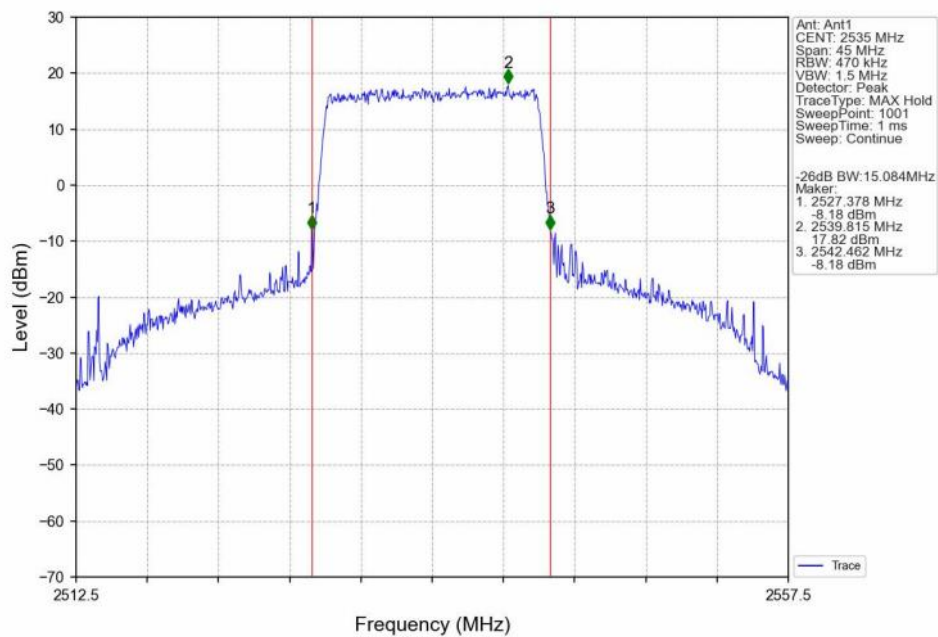
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTNV



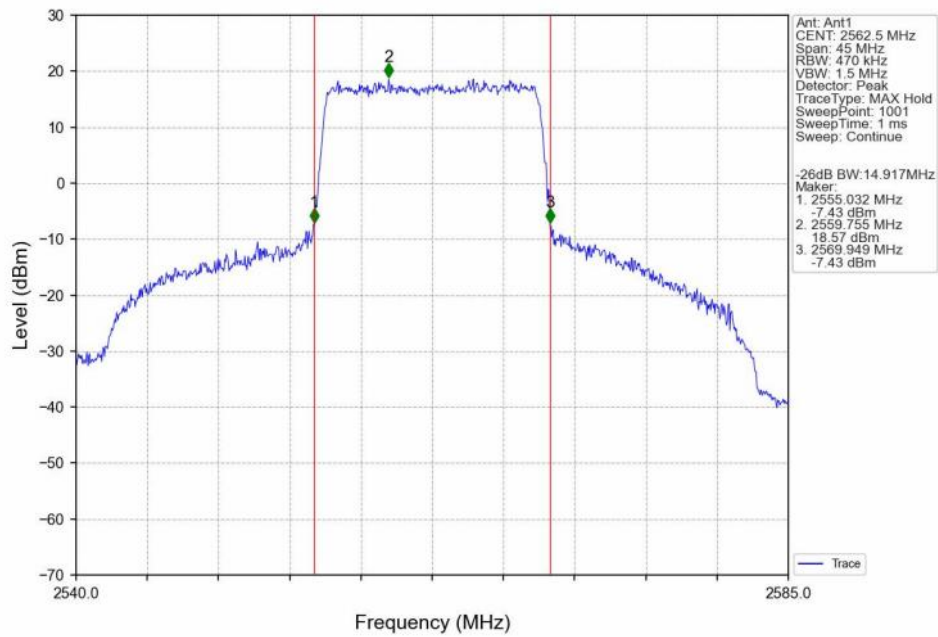
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



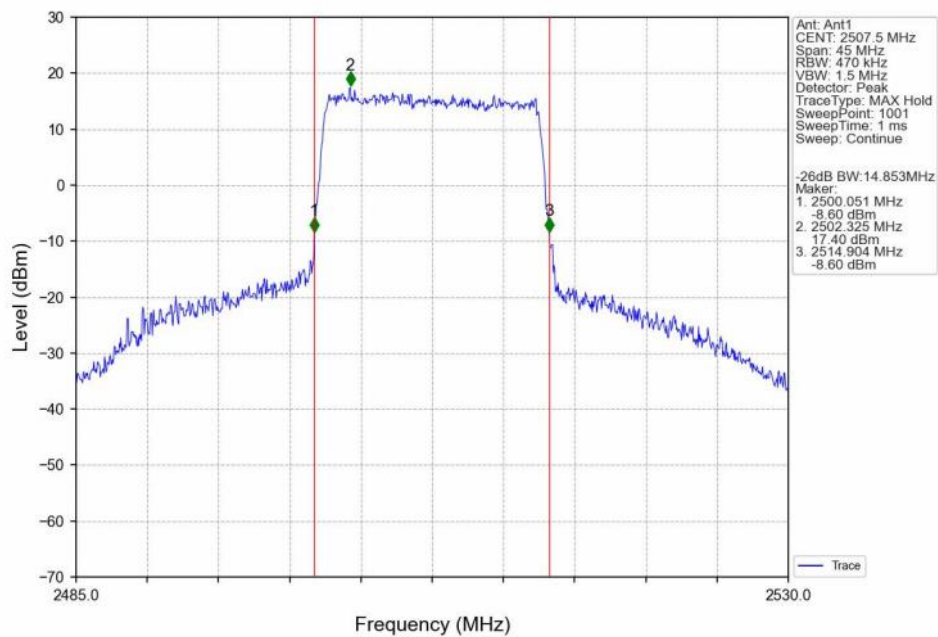
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



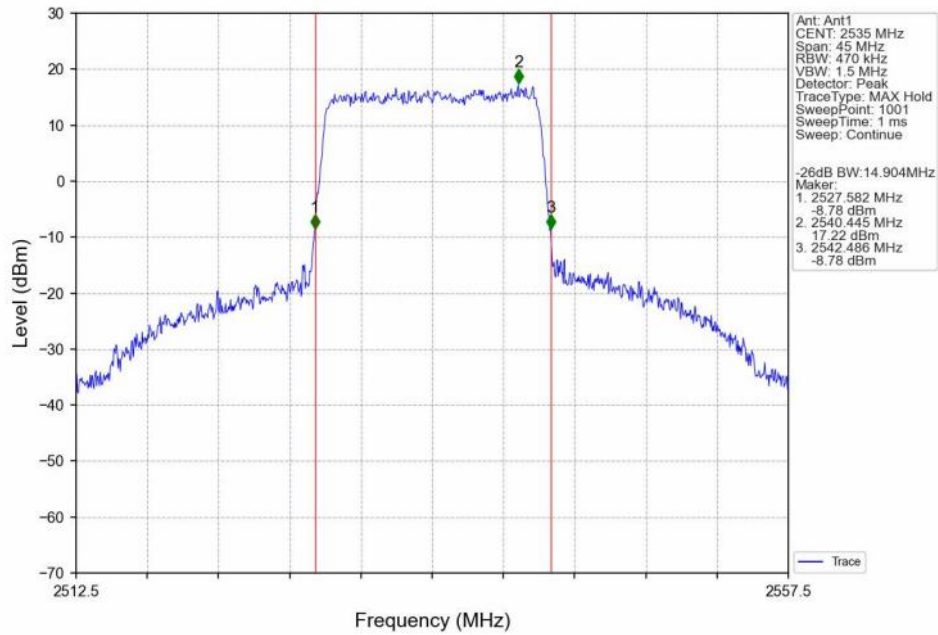
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



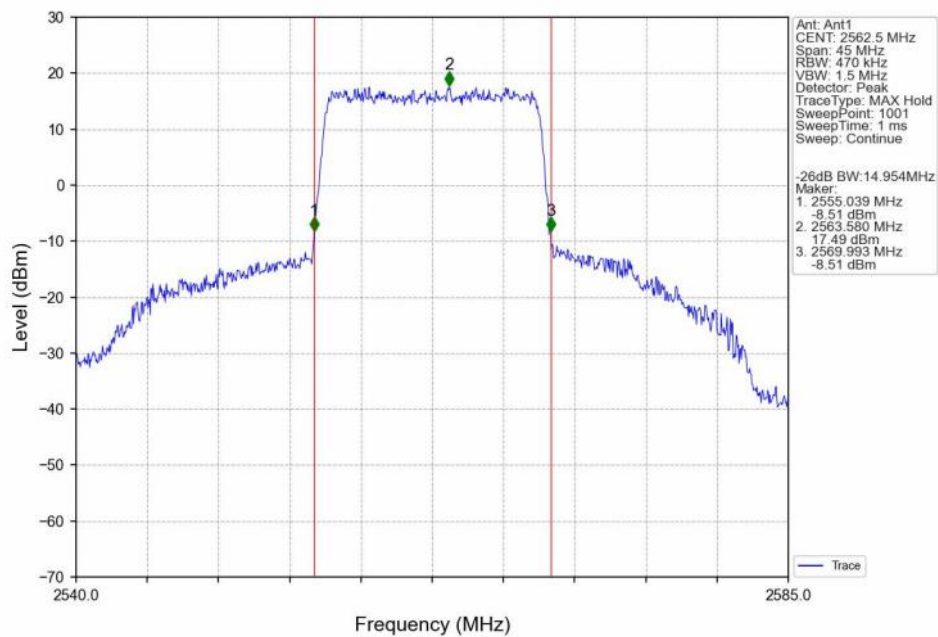
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



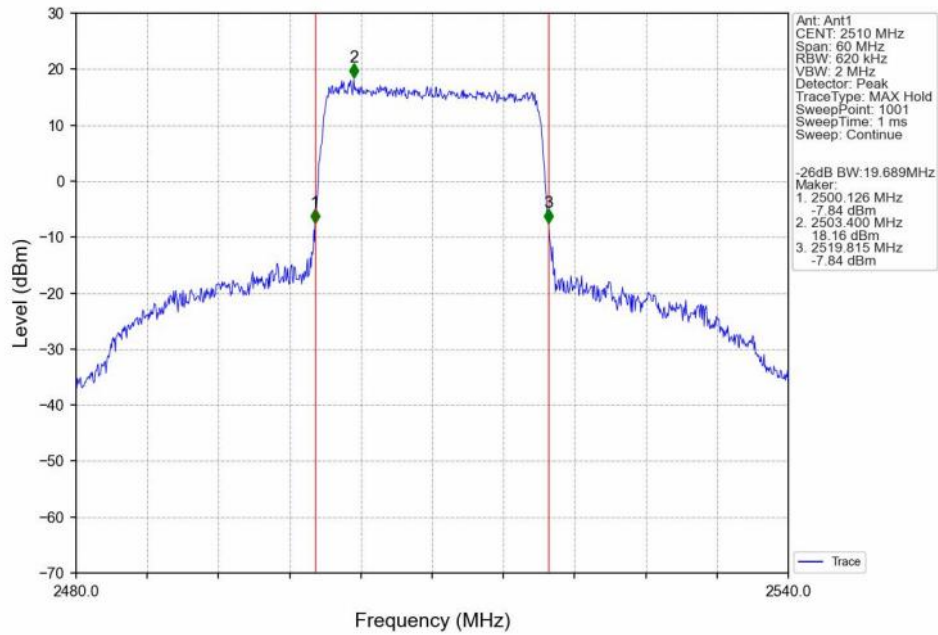
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



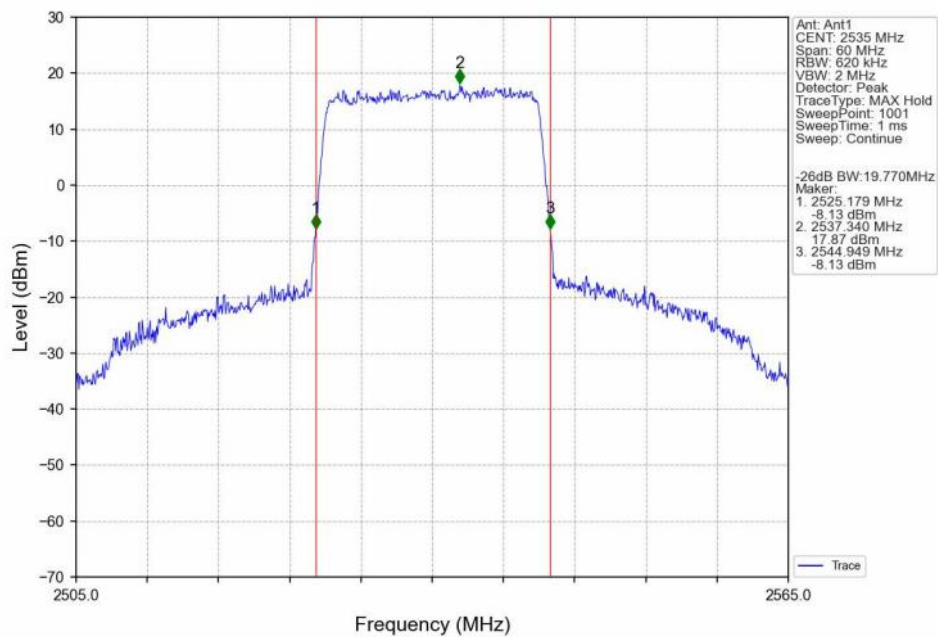
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTNV



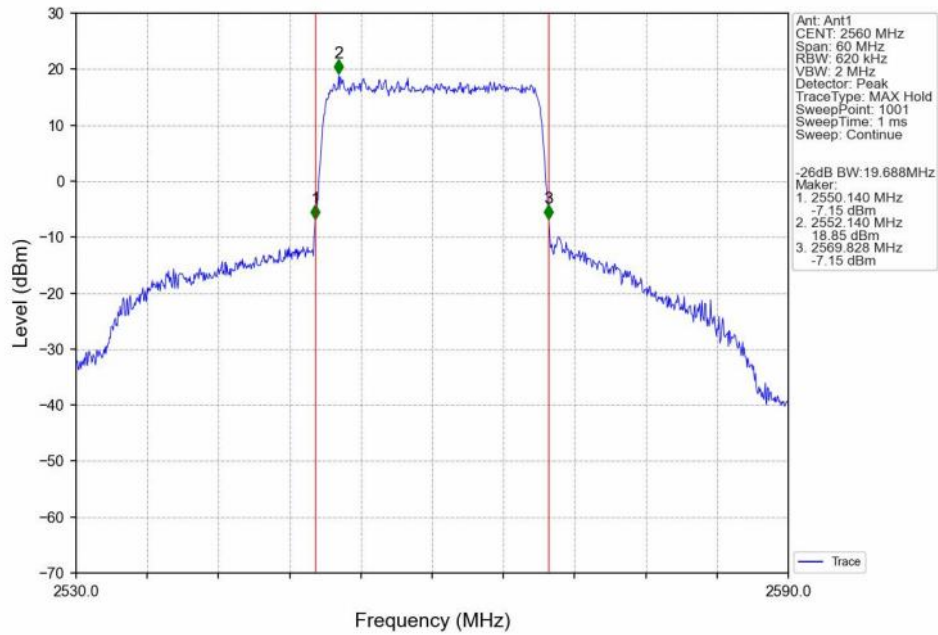
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



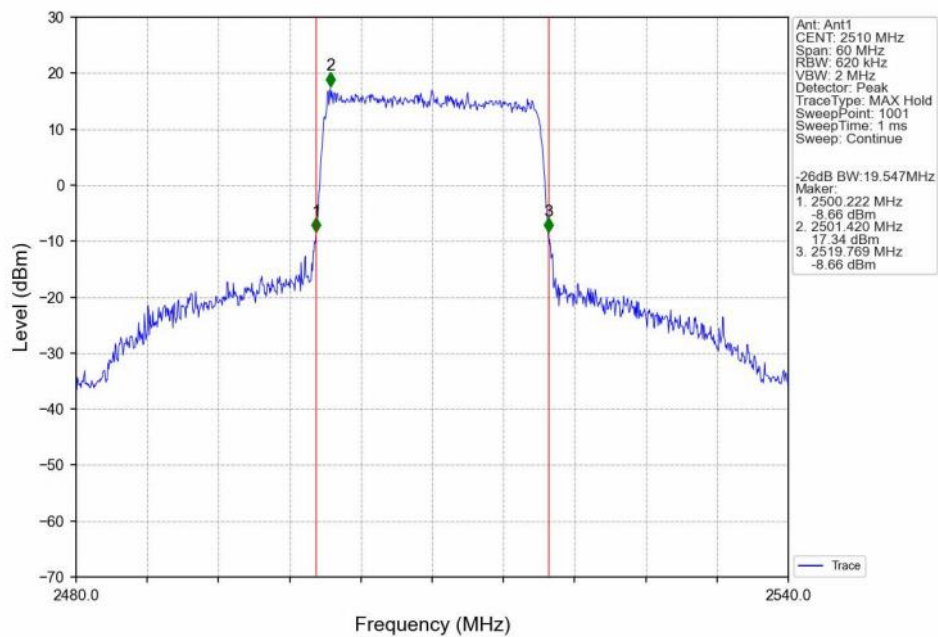
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



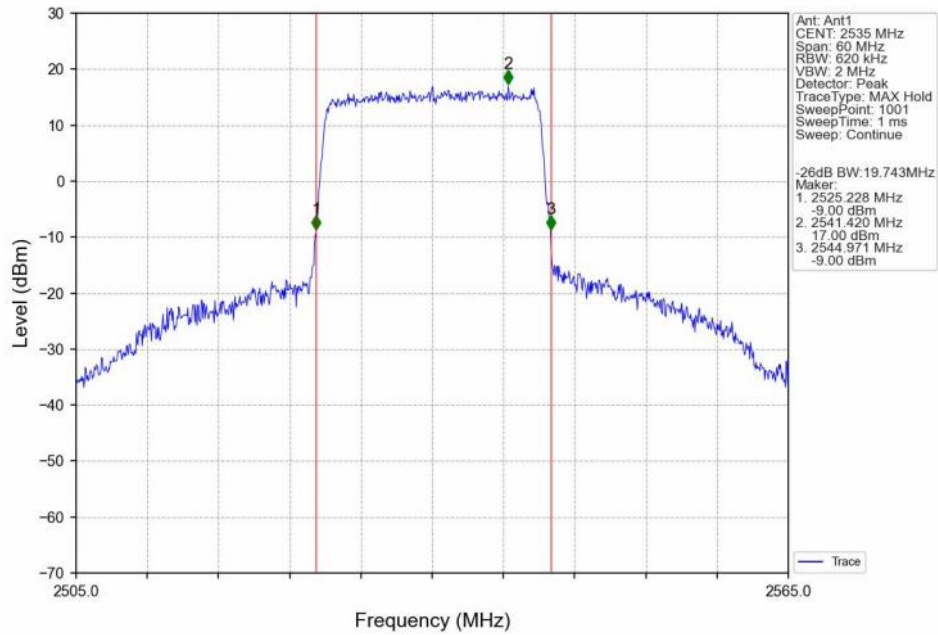
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



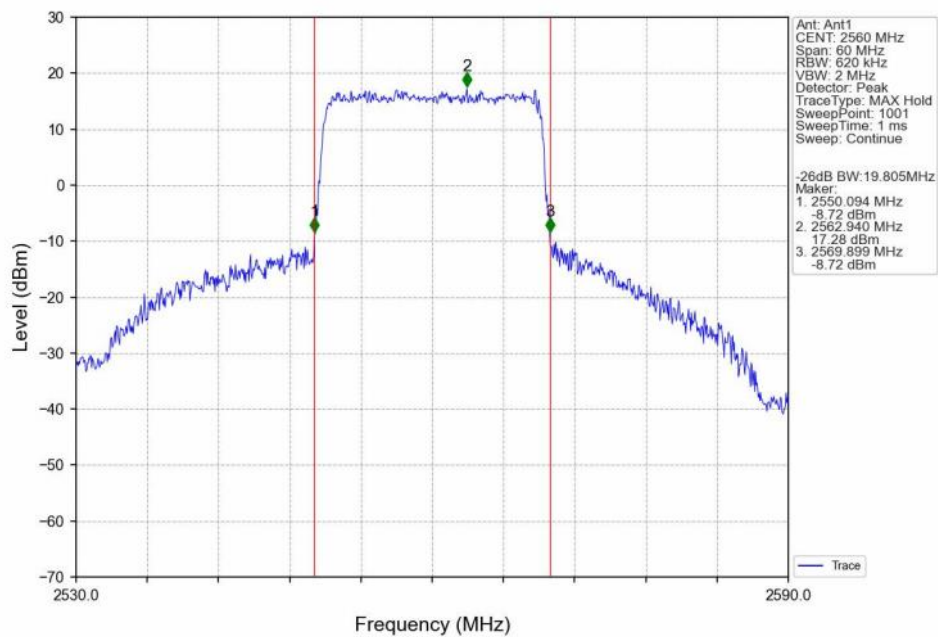
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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	5.12	<=13	Pass
	2535	25	0	5.12	<=13	Pass
	2567.5	25	0	4.24	<=13	Pass
16QAM	2502.5	25	0	5.80	<=13	Pass
	2535	25	0	5.79	<=13	Pass
	2567.5	25	0	5.05	<=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	5.07	<=13	Pass
	2535	50	0	5.10	<=13	Pass
	2565	50	0	4.48	<=13	Pass
16QAM	2505	50	0	5.82	<=13	Pass
	2535	50	0	5.84	<=13	Pass
	2565	50	0	5.26	<=13	Pass

5.1.3 B7_15MHz

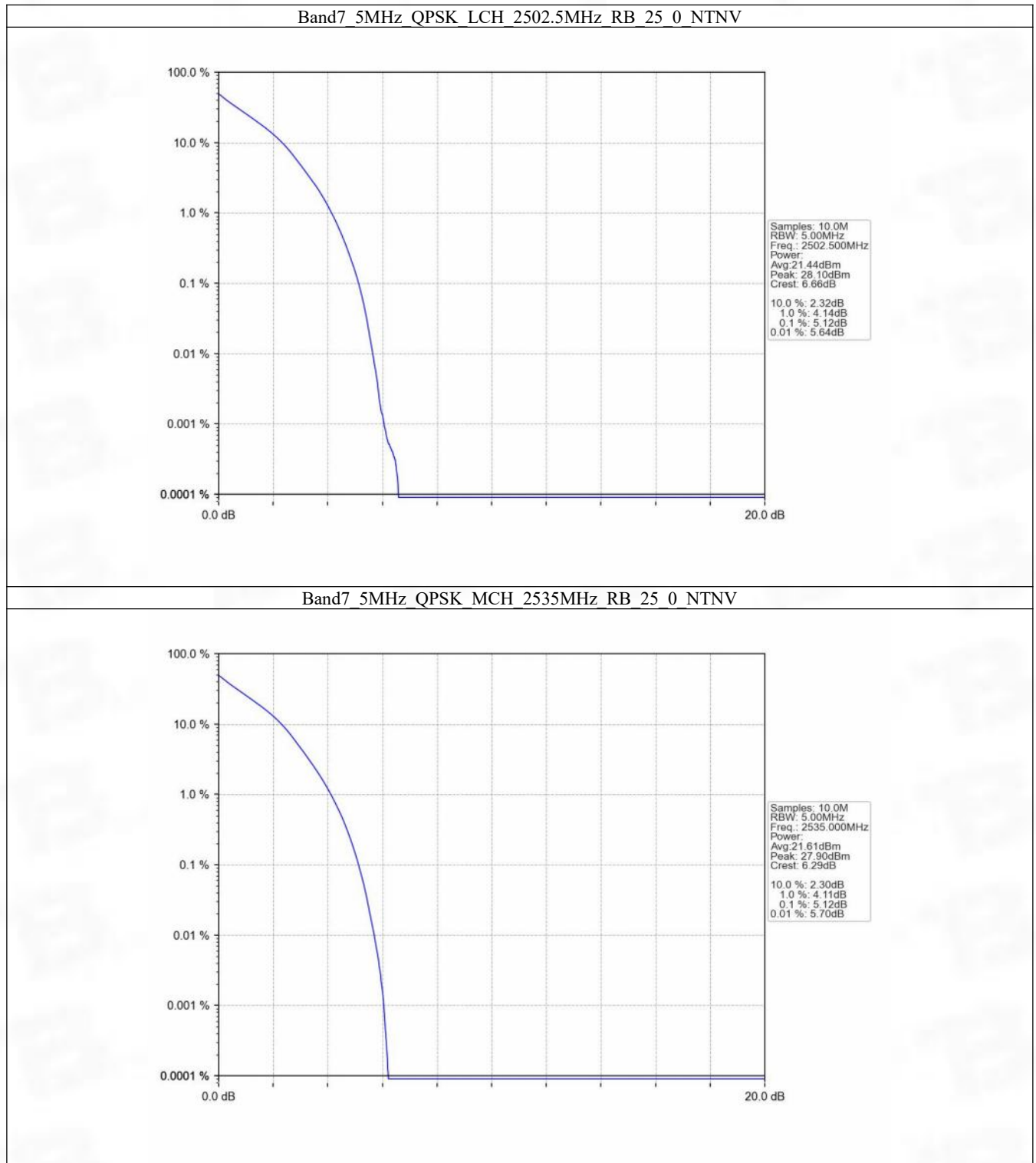
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.06	<=13	Pass
	2535	75	0	5.09	<=13	Pass
	2562.5	75	0	4.21	<=13	Pass
16QAM	2507.5	75	0	5.69	<=13	Pass
	2535	75	0	5.74	<=13	Pass
	2562.5	75	0	5.06	<=13	Pass

5.1.4 B7_20MHz

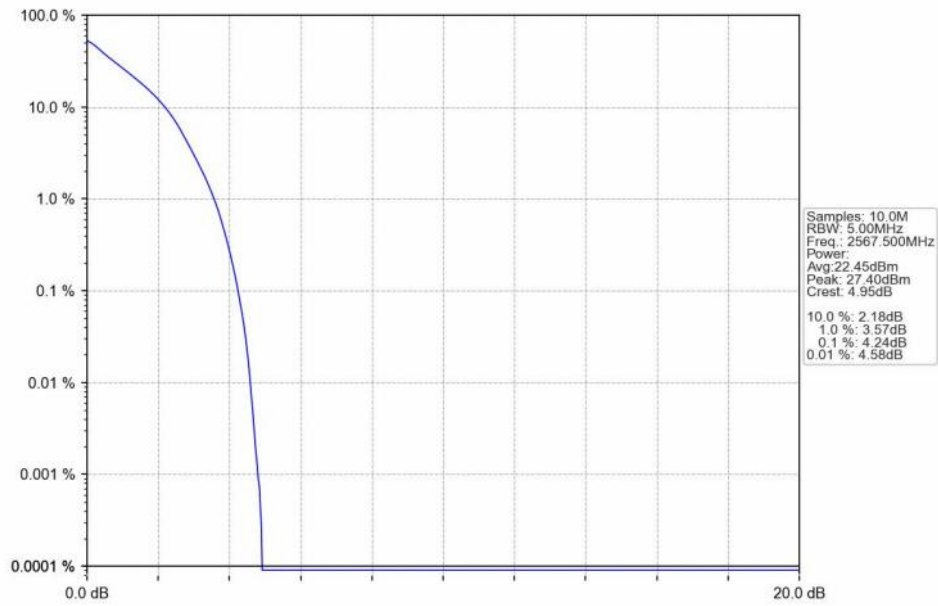
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.14	<=13	Pass
	2535	100	0	5.03	<=13	Pass
	2560	100	0	4.57	<=13	Pass
16QAM	2510	100	0	5.82	<=13	Pass
	2535	100	0	5.78	<=13	Pass
	2560	100	0	5.39	<=13	Pass

5.2 Test Graph

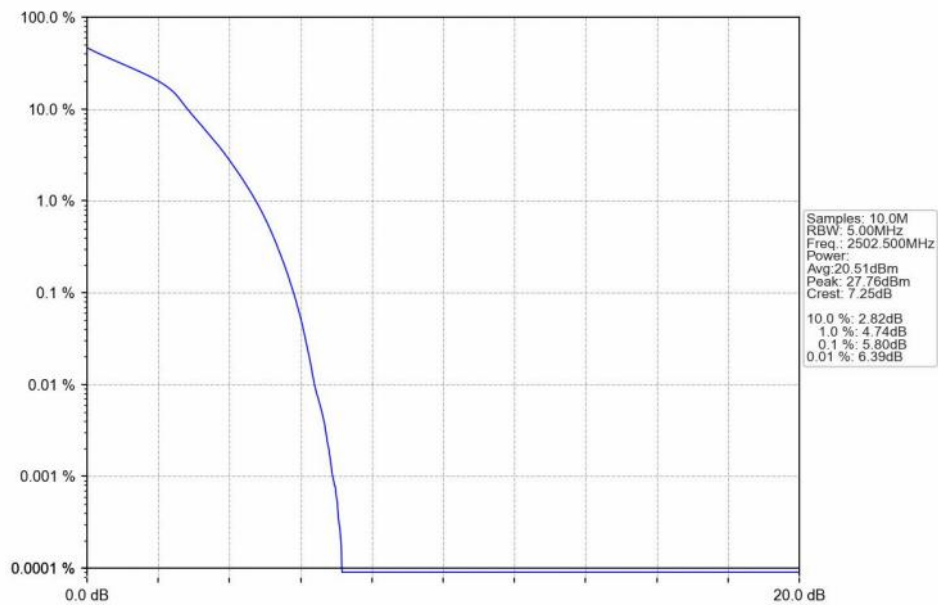
5.2.1 B7_5MHz



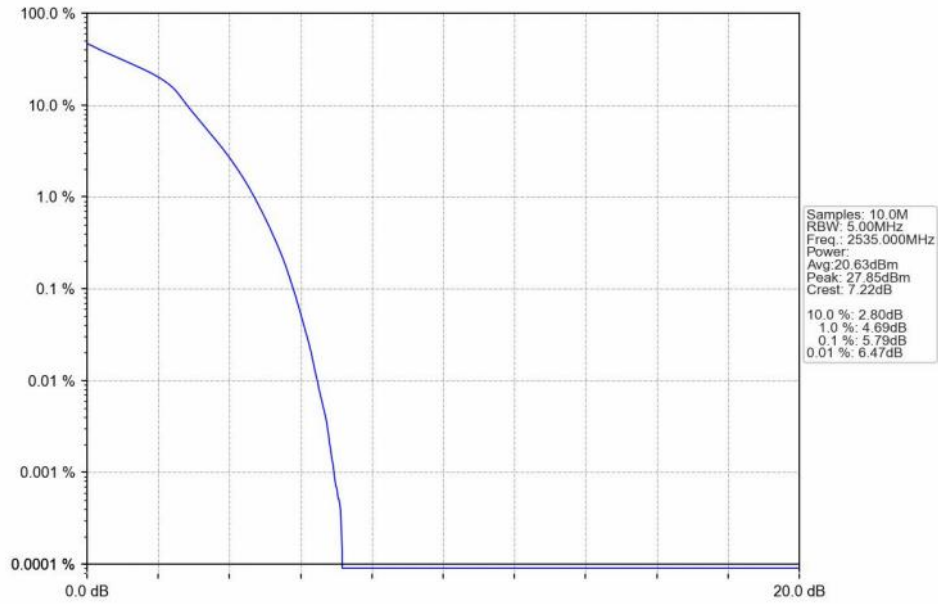
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



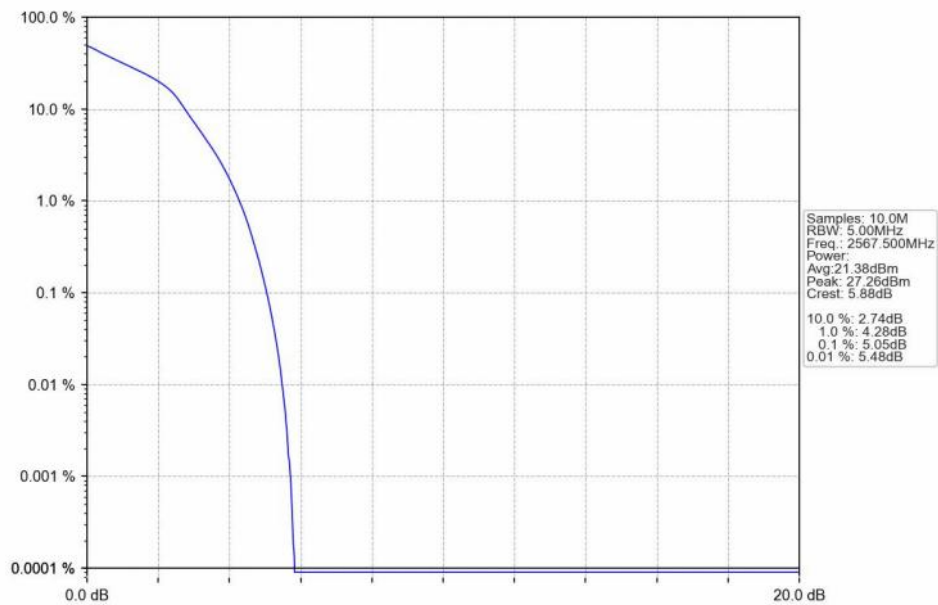
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



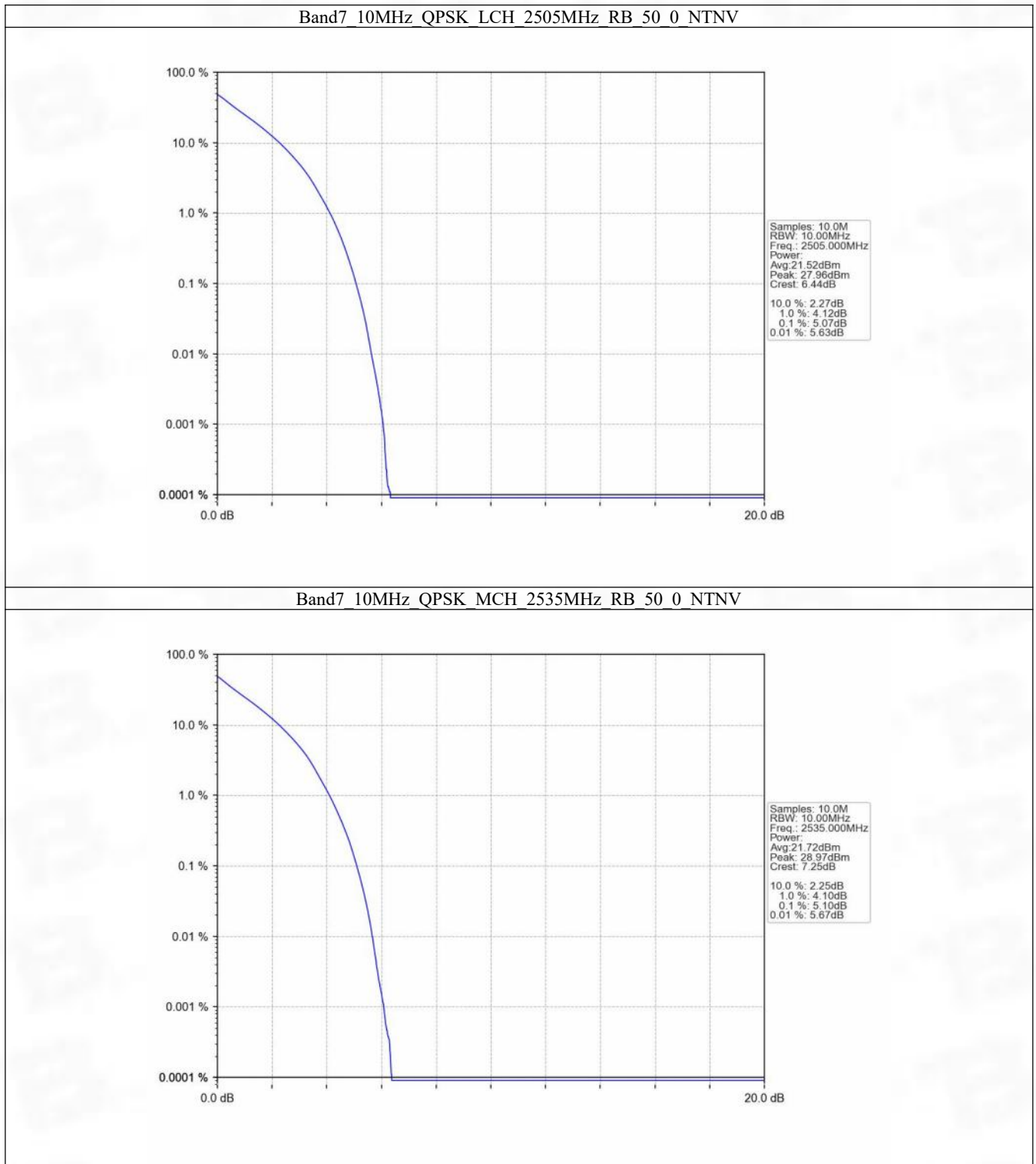
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



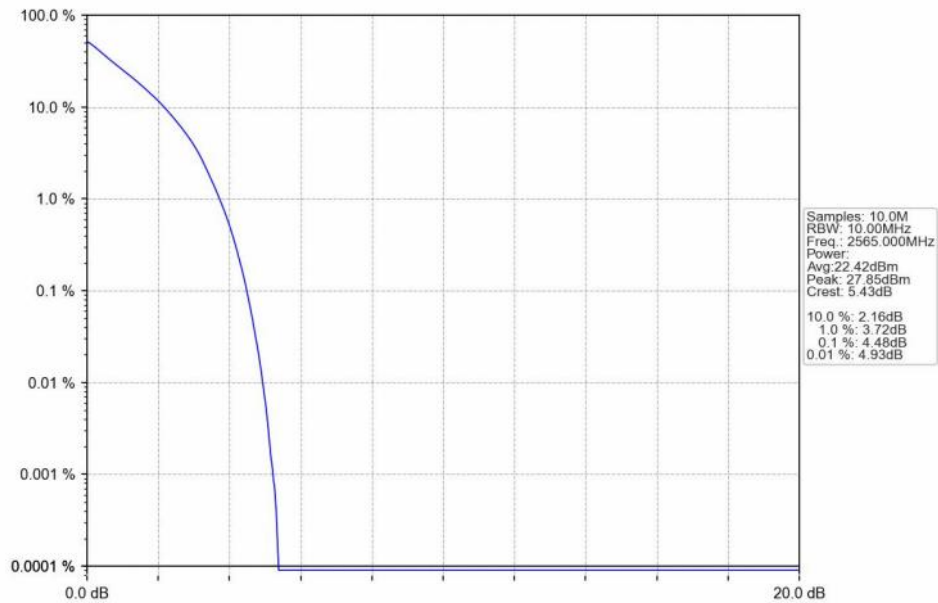
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



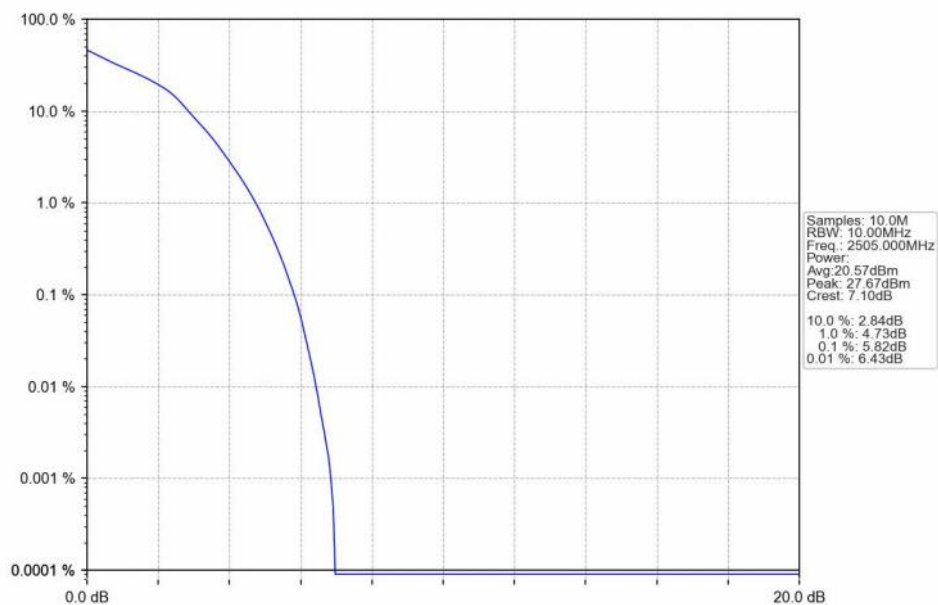
5.2.2 B7_10MHz



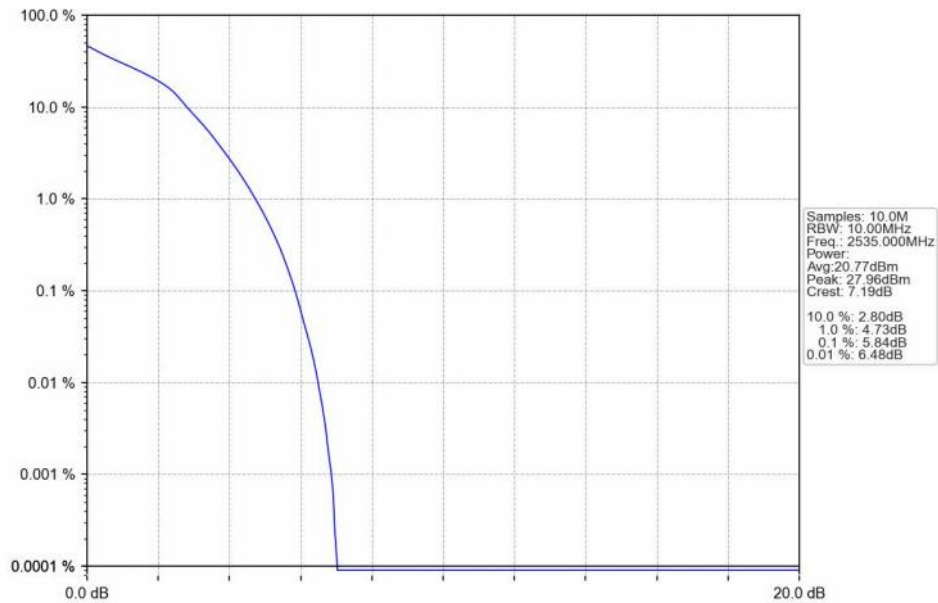
Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV



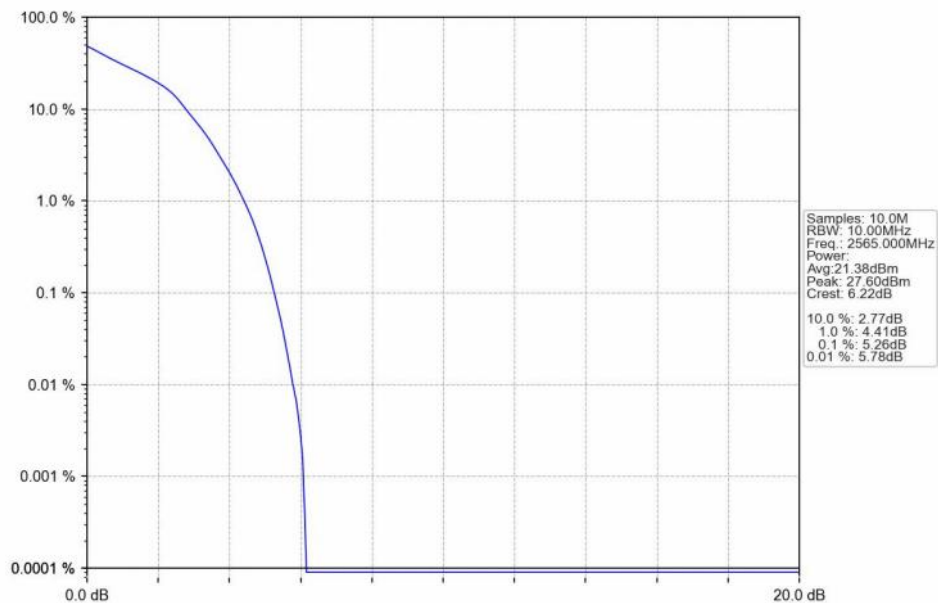
Band7 10MHz 16QAM LCH 2505MHz RB 50 0 NTNV



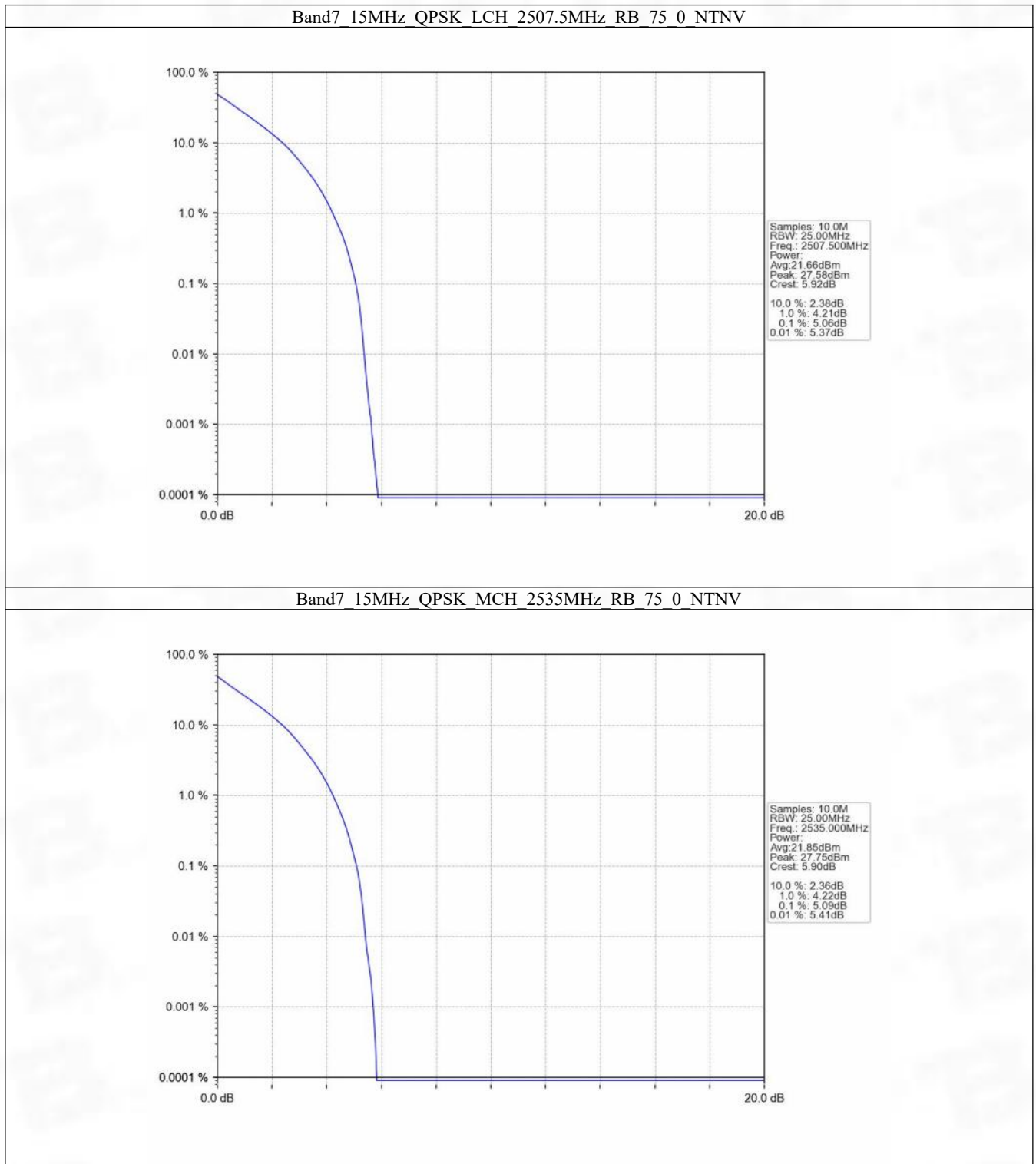
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



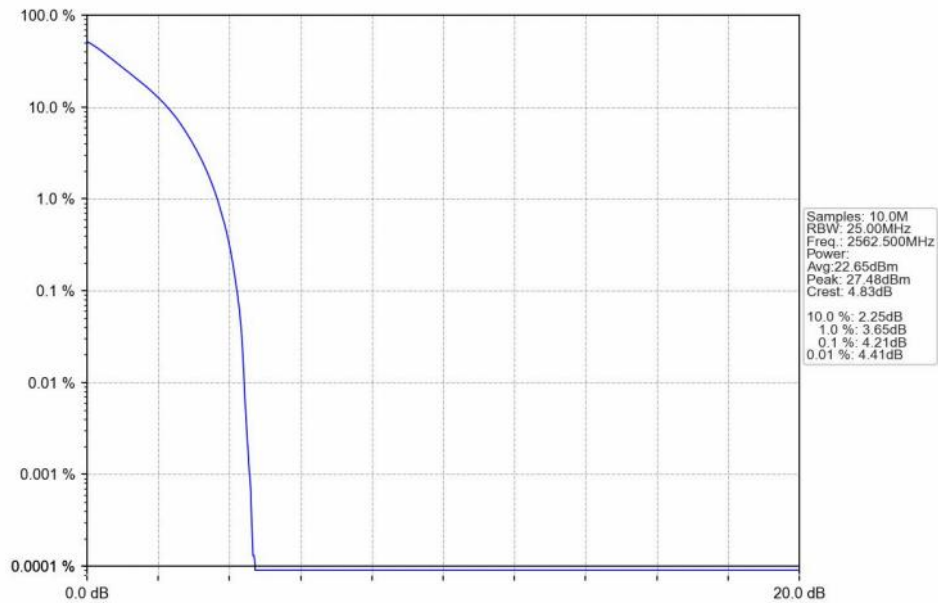
Band7 10MHz 16QAM HCH 2565MHz RB 50 0 NTV



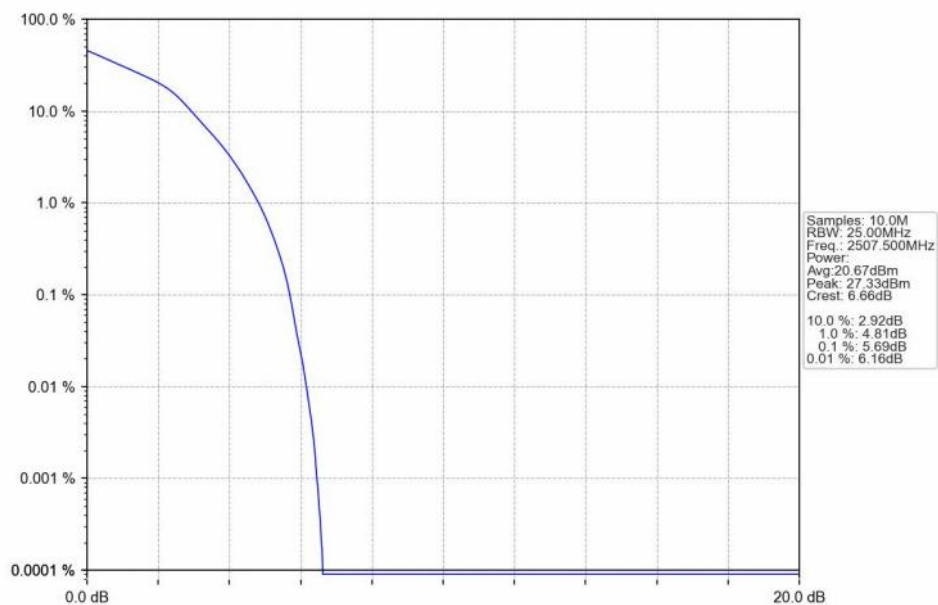
5.2.3 B7_15MHz



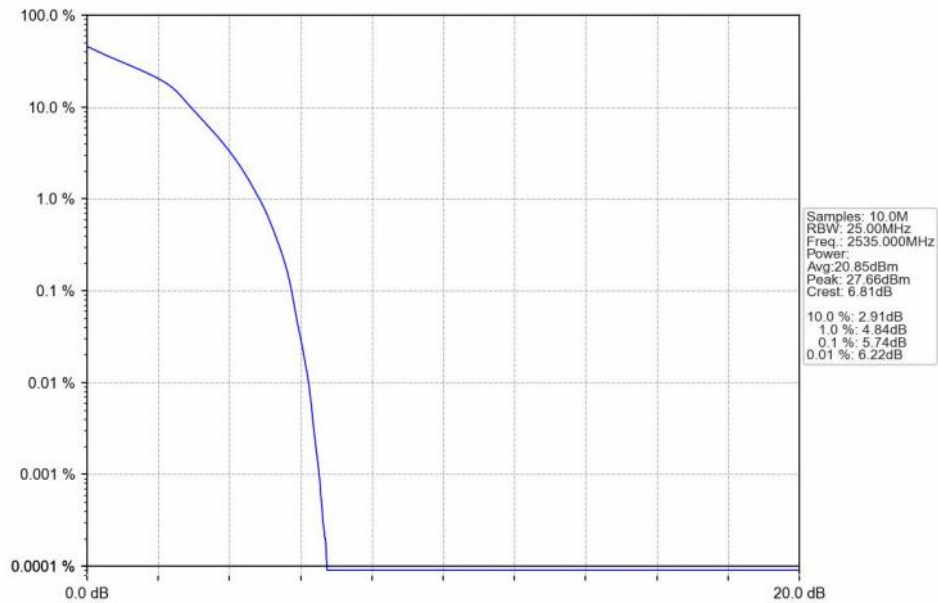
Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV



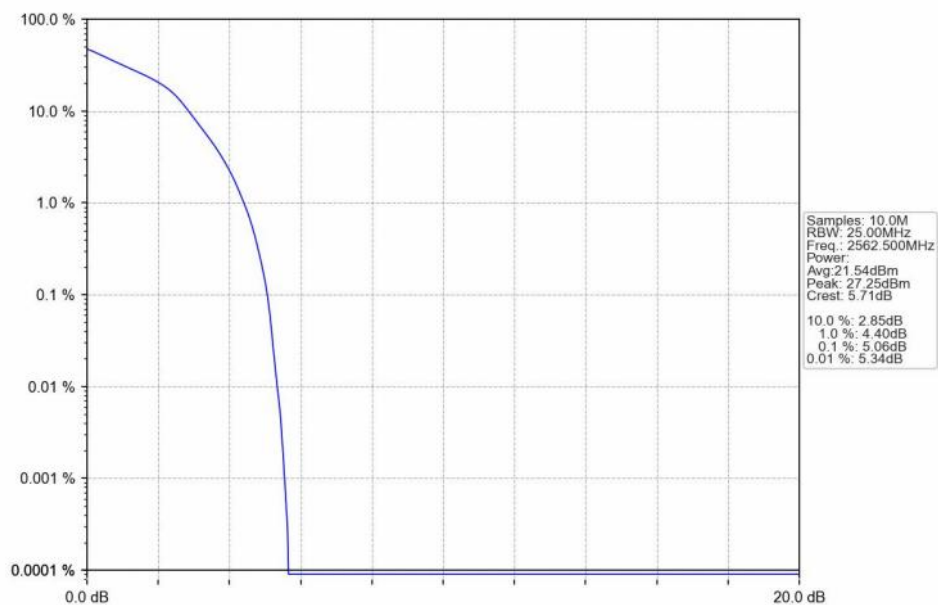
Band7 15MHz 16QAM LCH 2507.5MHz RB 75 0 NTNV



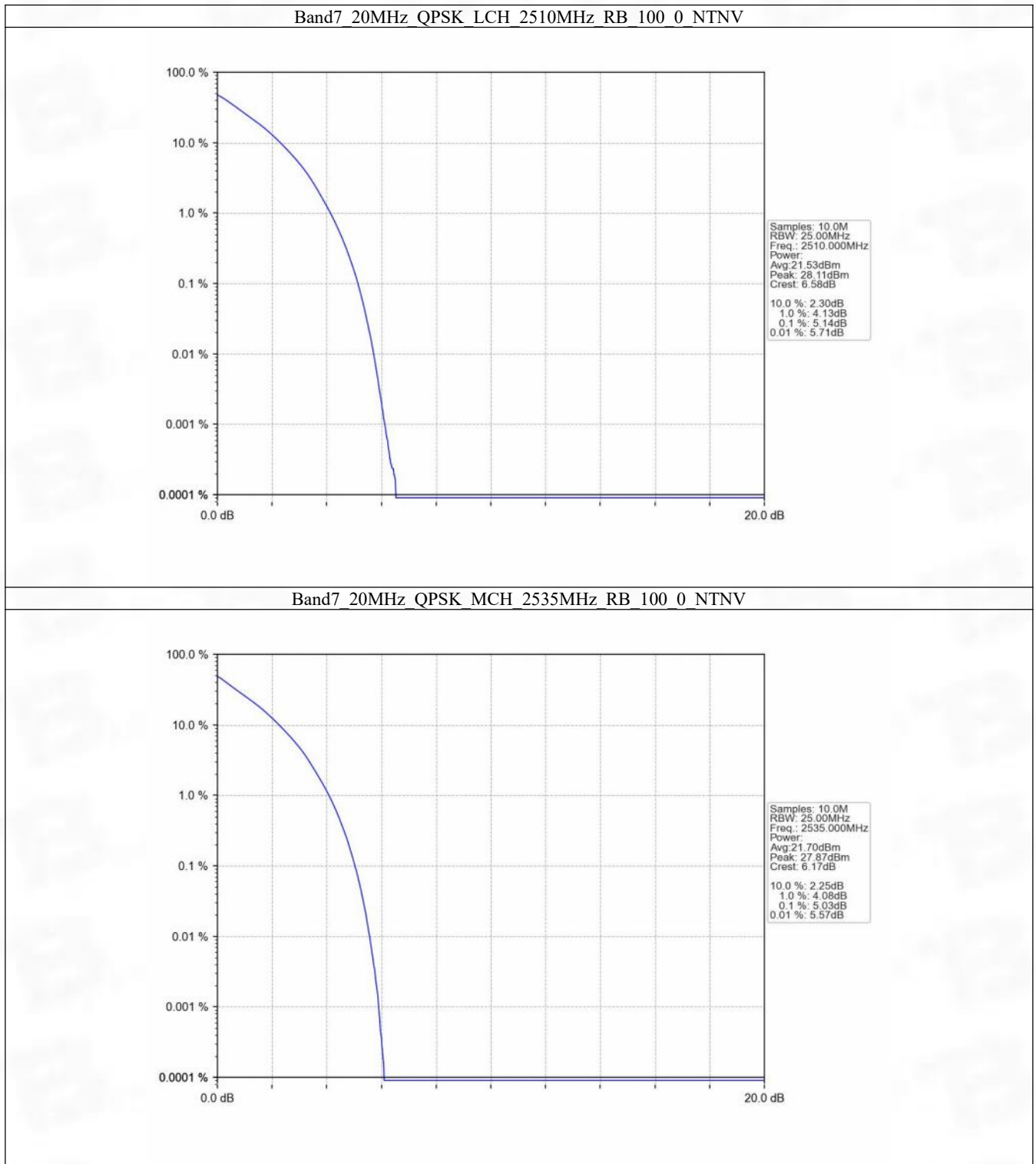
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV



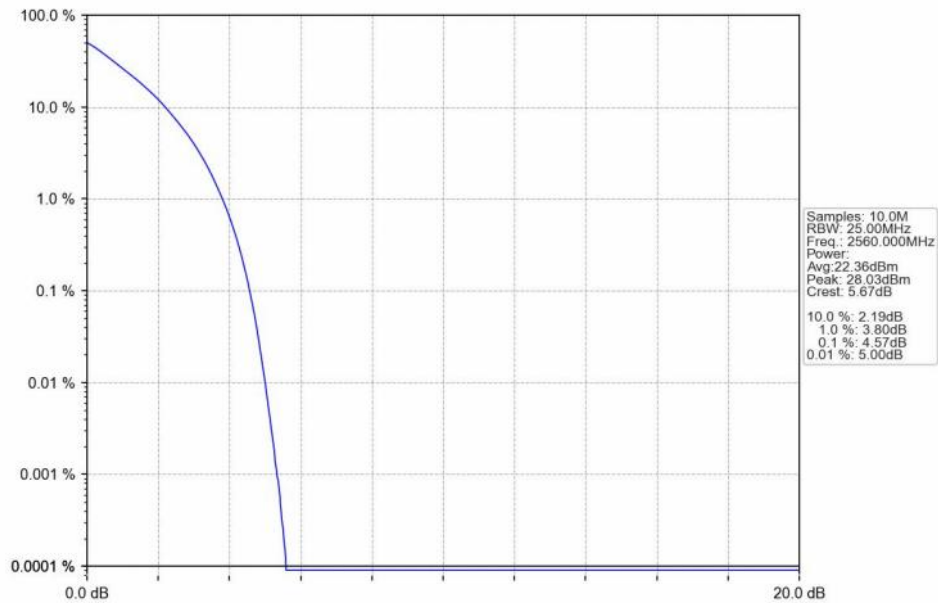
Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTV



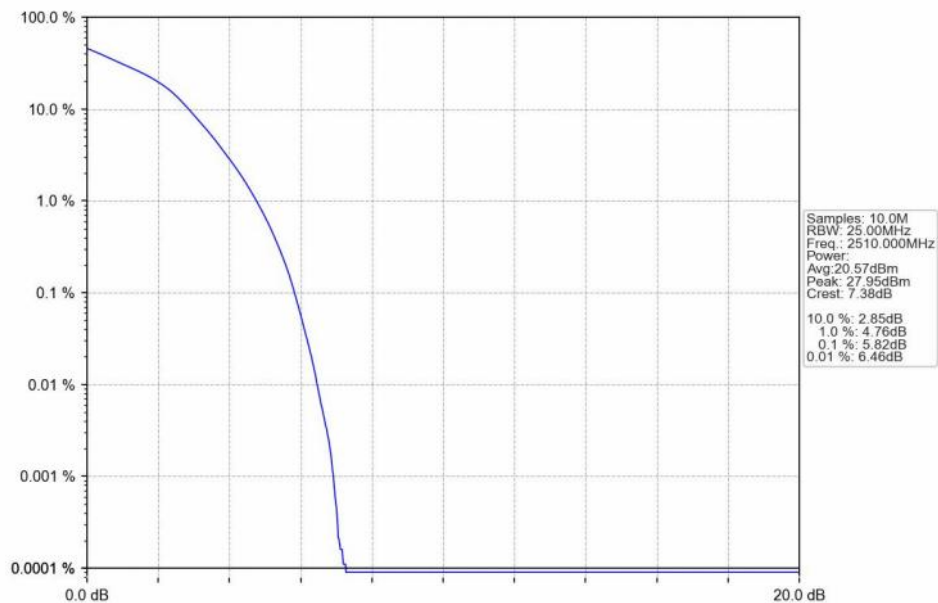
5.2.4 B7_20MHz



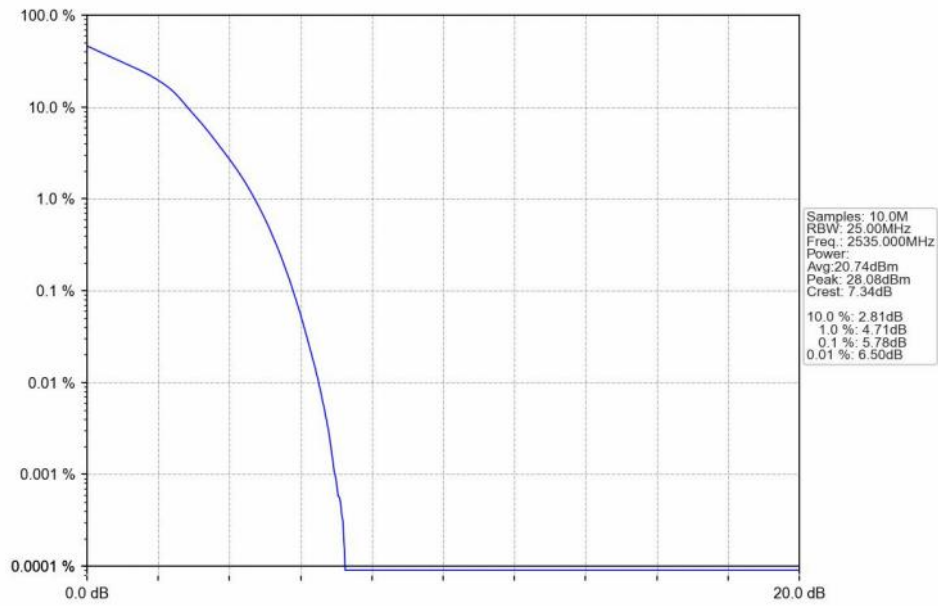
Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



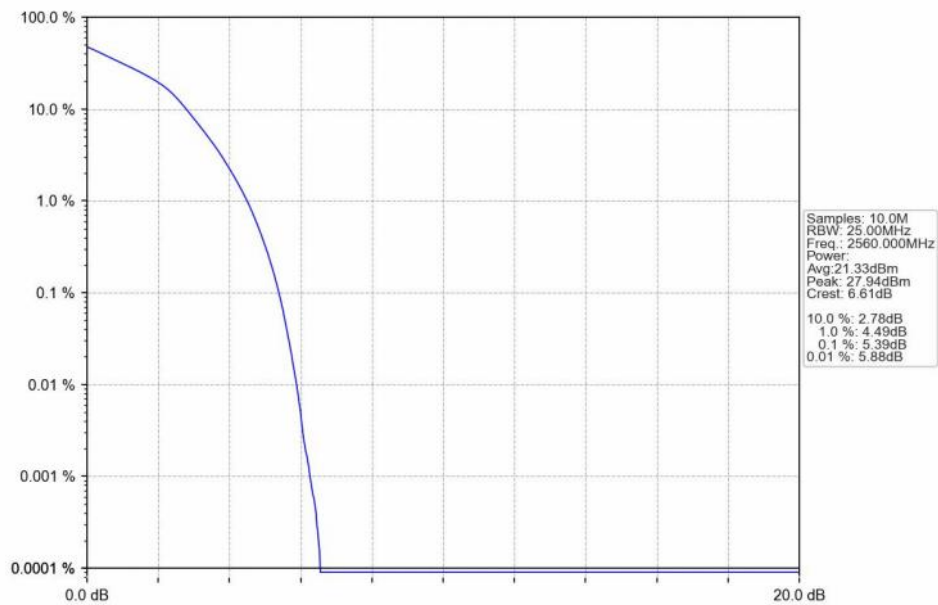
Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



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

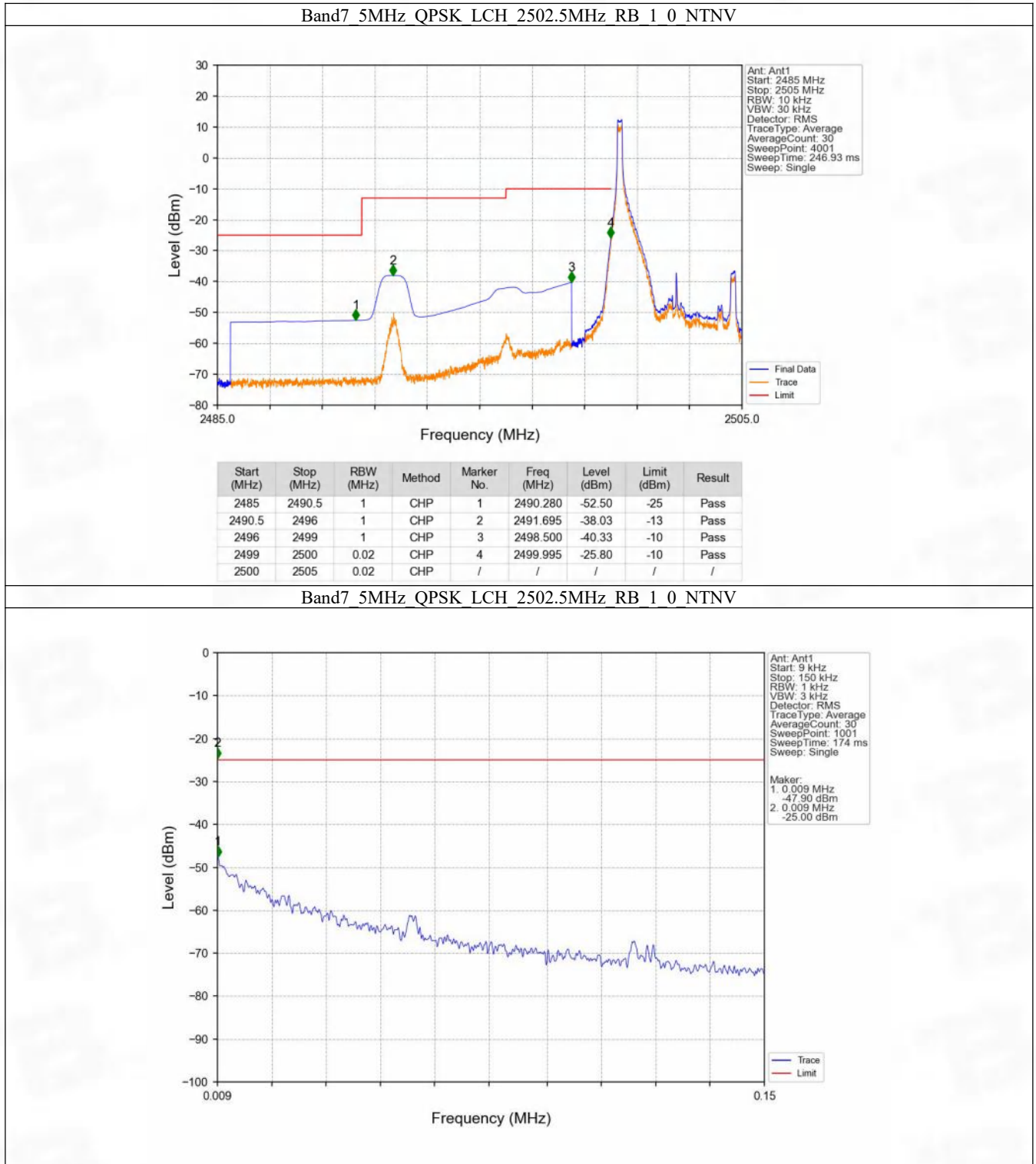
		75	0	Refer To Test Graph	Pass
--	--	----	---	---------------------	------

6.1.4 B7_20MHz

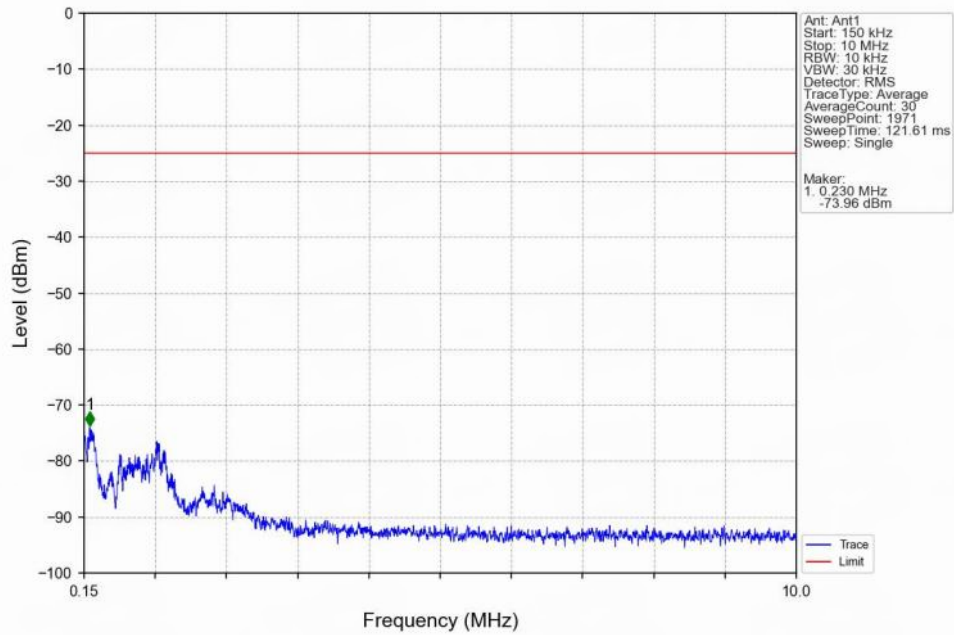
Band: 7 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2510	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2535	1	0	Refer To Test Graph	Pass
	2560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
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

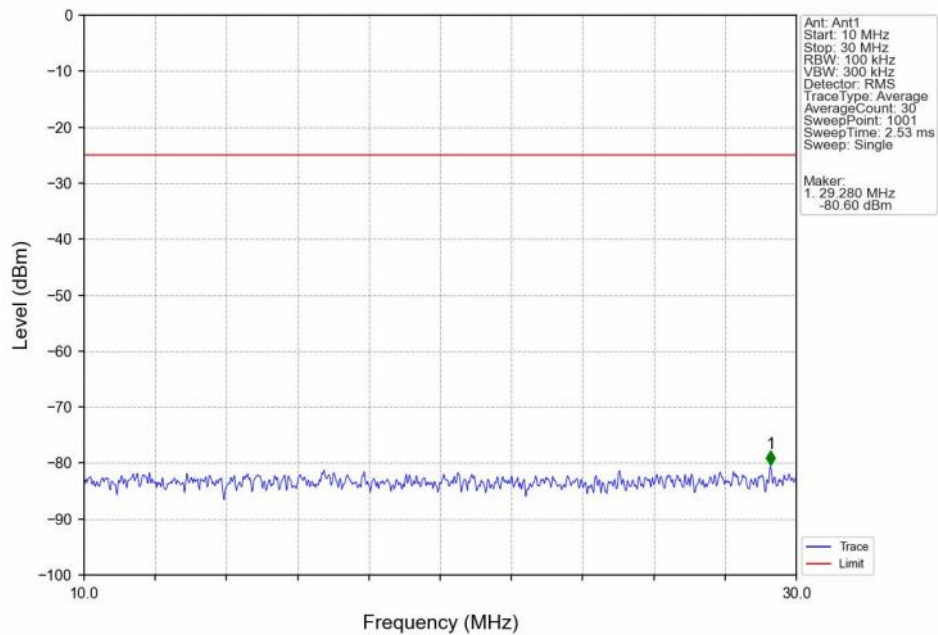
6.2.1 B7_5MHz



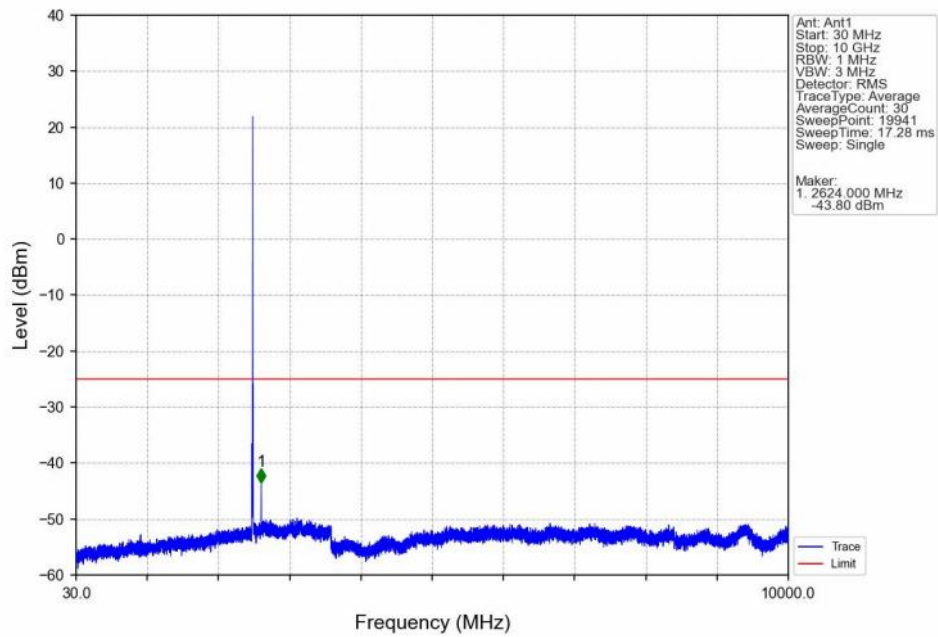
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



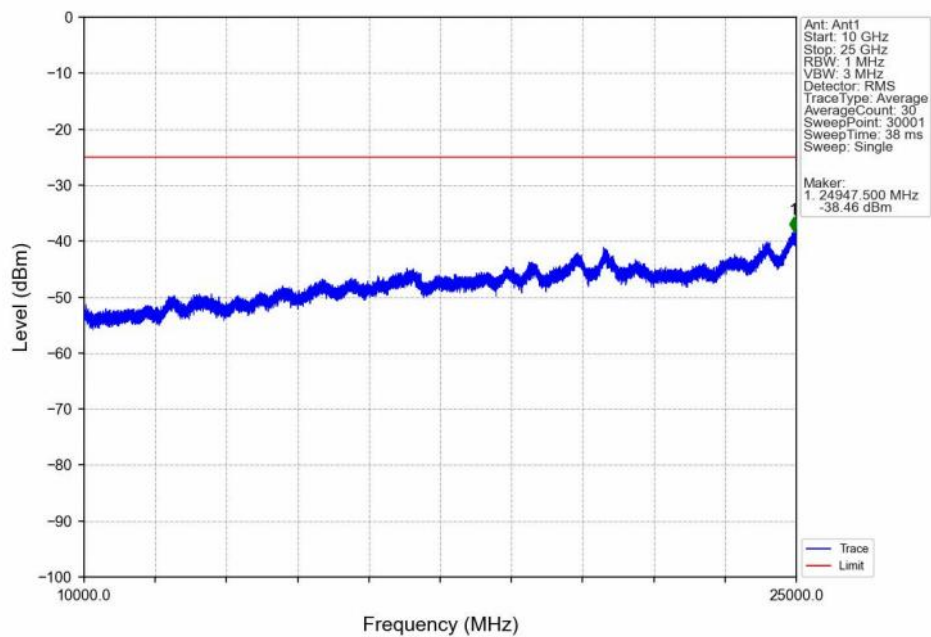
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



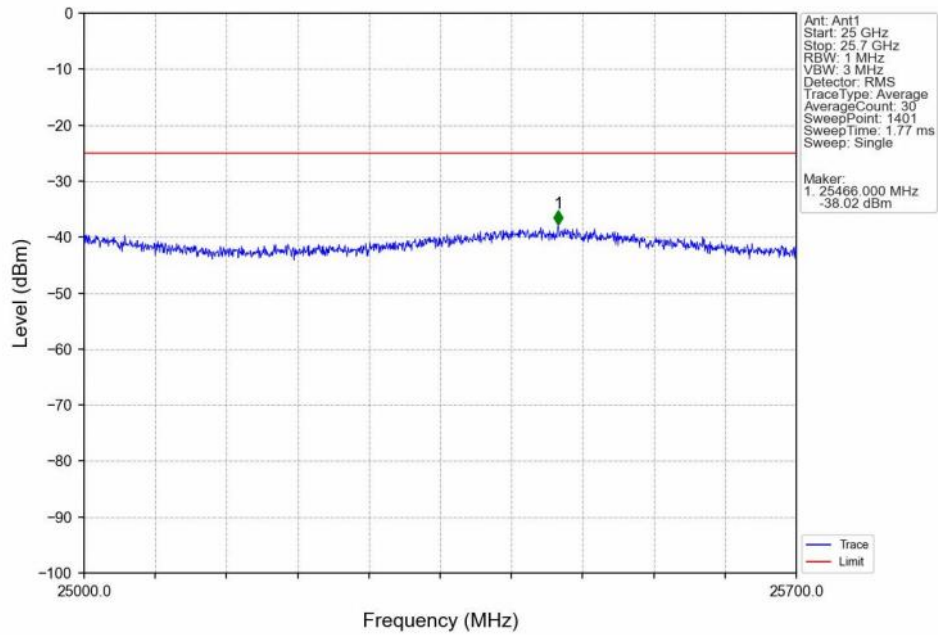
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



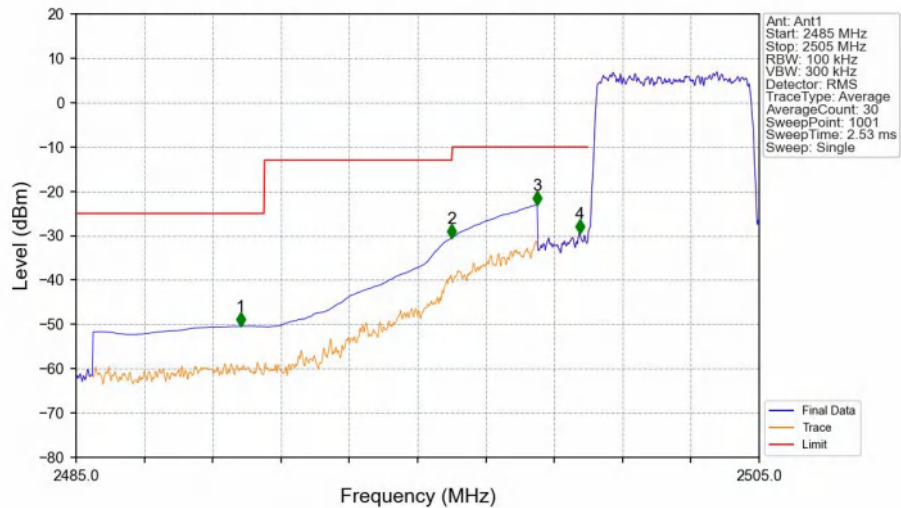
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV

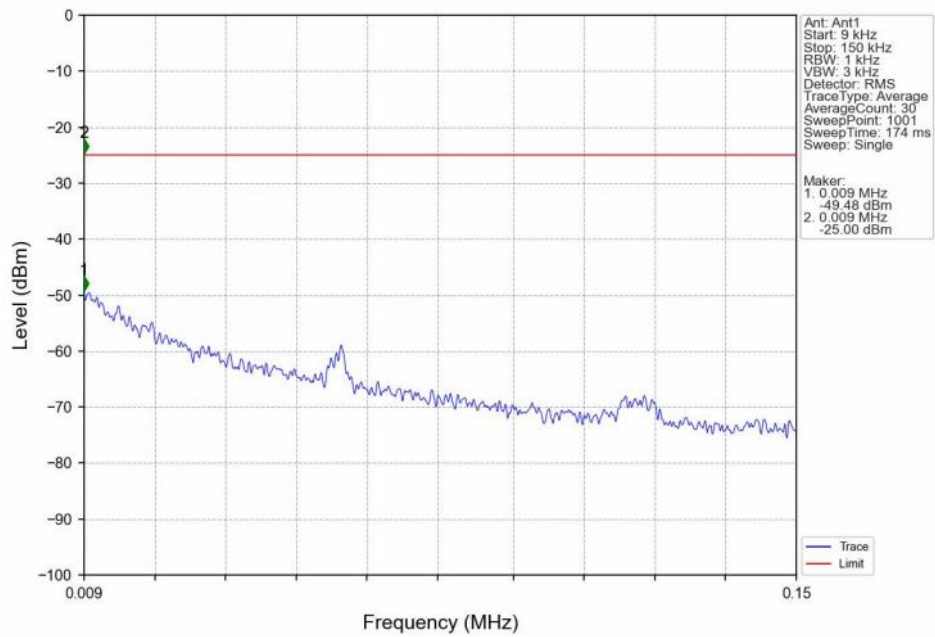


Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTNV

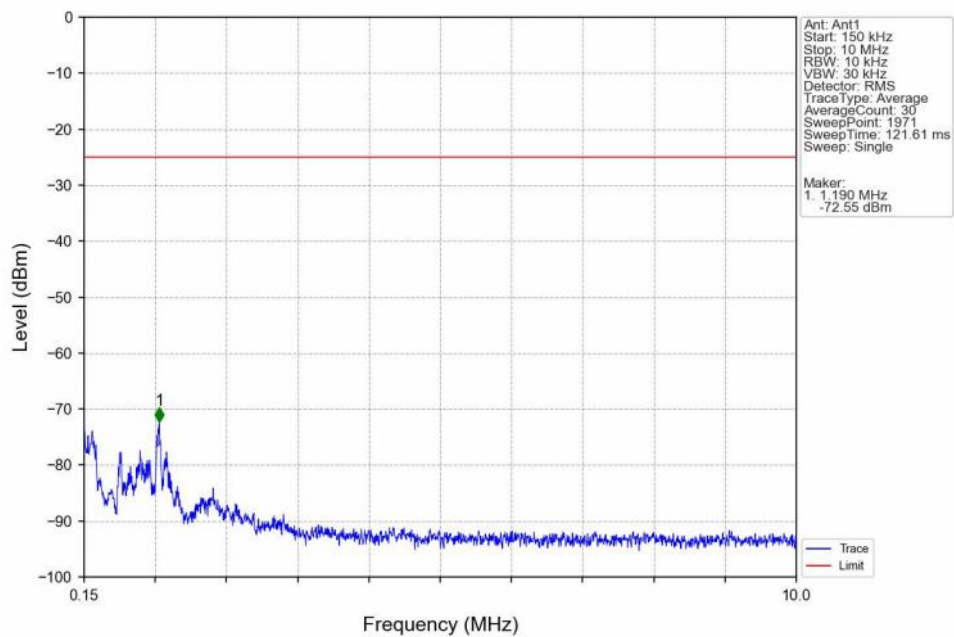


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.820	-50.42	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-30.55	-13	Pass
2496	2499	1	CHP	3	2498.500	-23.05	-10	Pass
2499	2500	0.1	/	4	2499.740	-29.48	-10	Pass
2500	2505	0.1	/	/	/	/	/	/

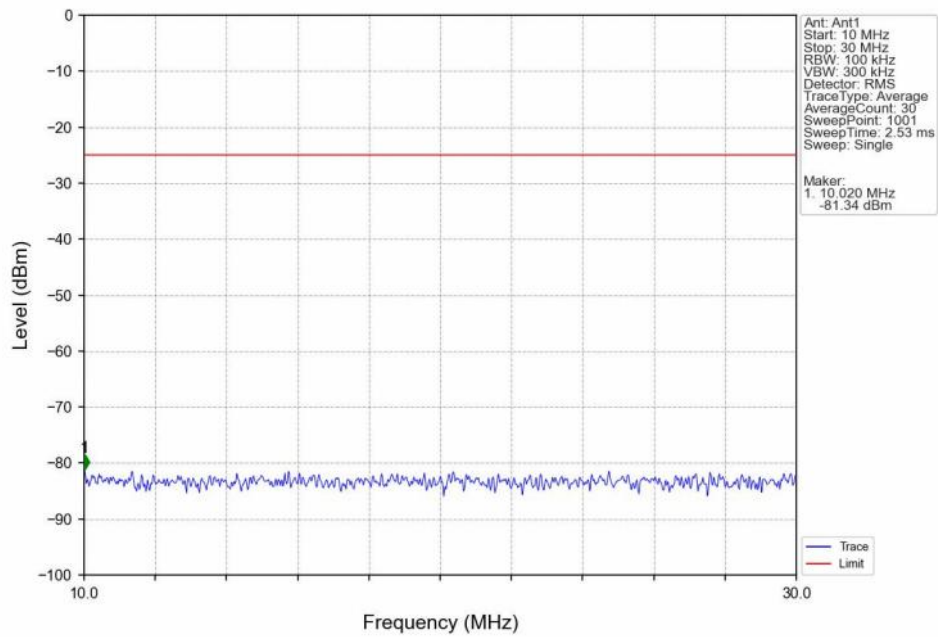
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



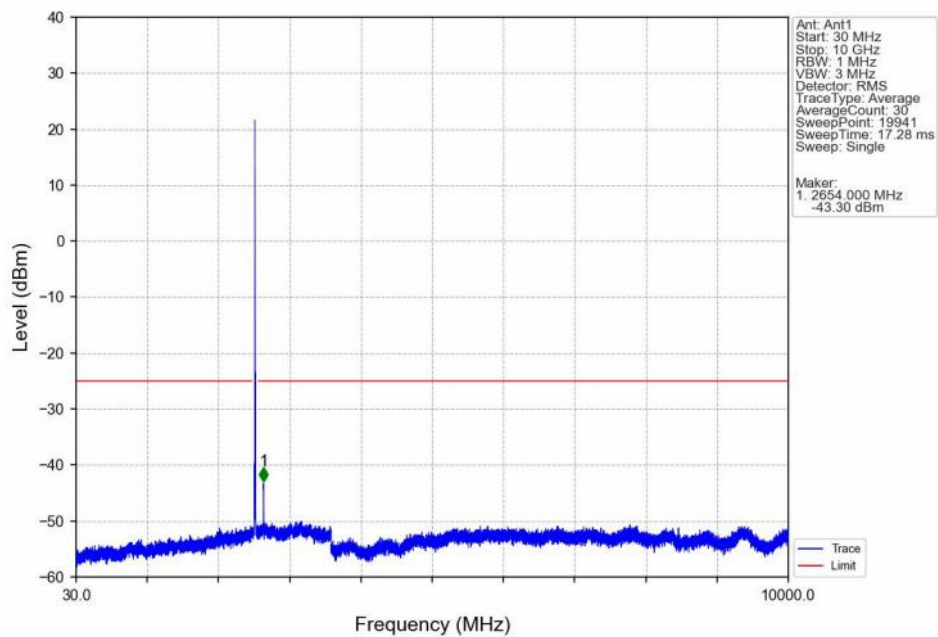
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



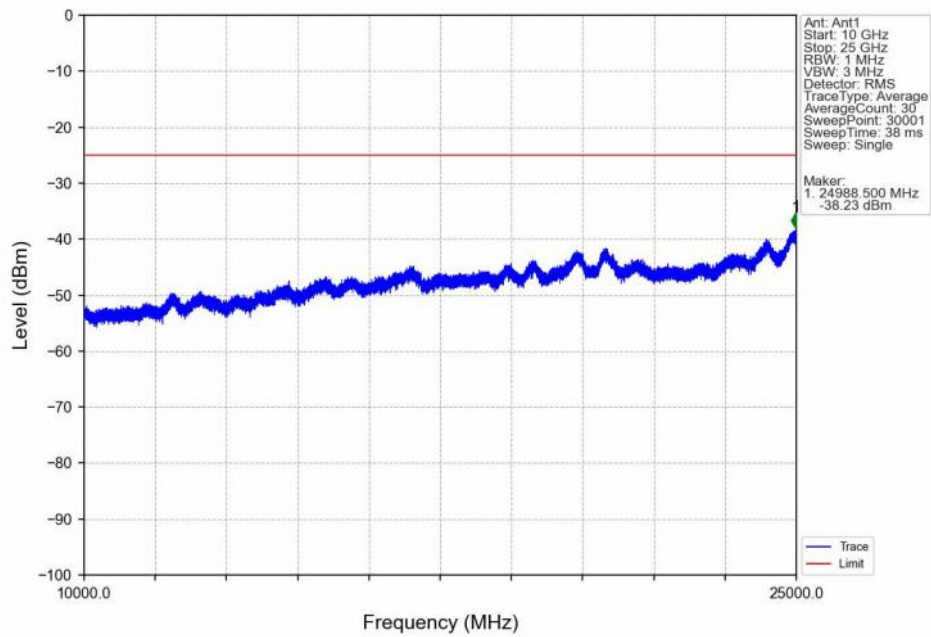
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



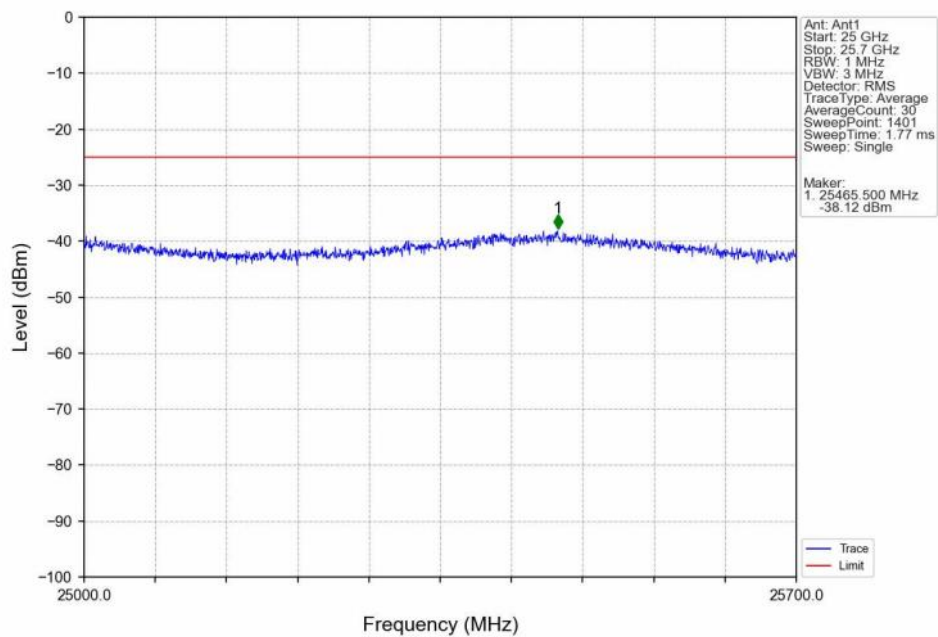
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



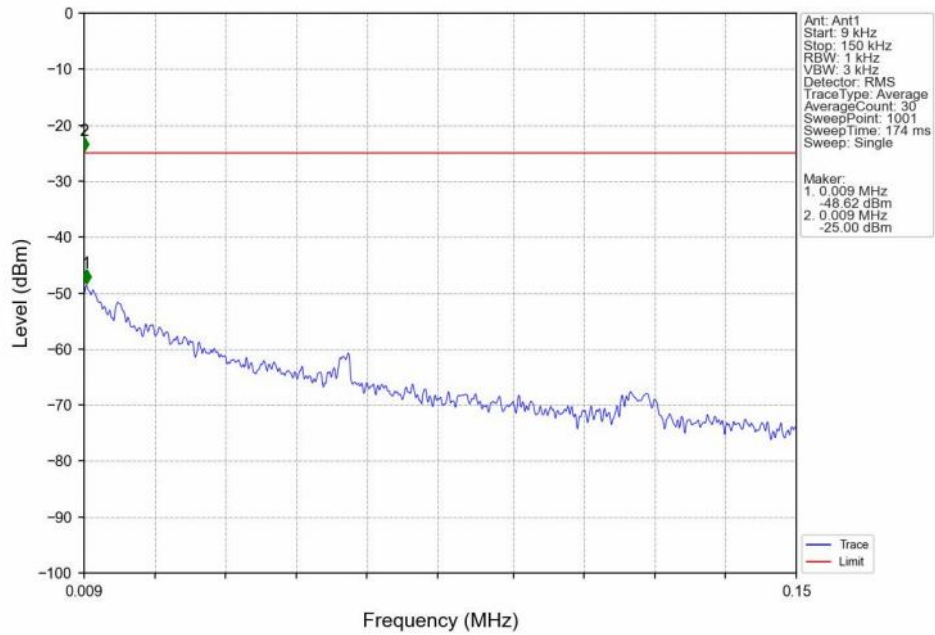
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



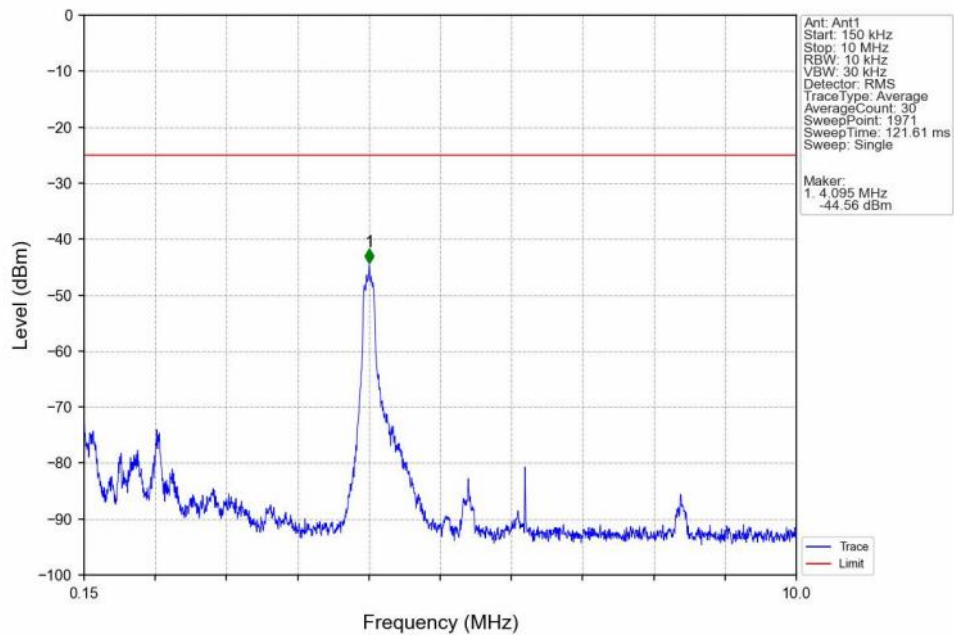
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



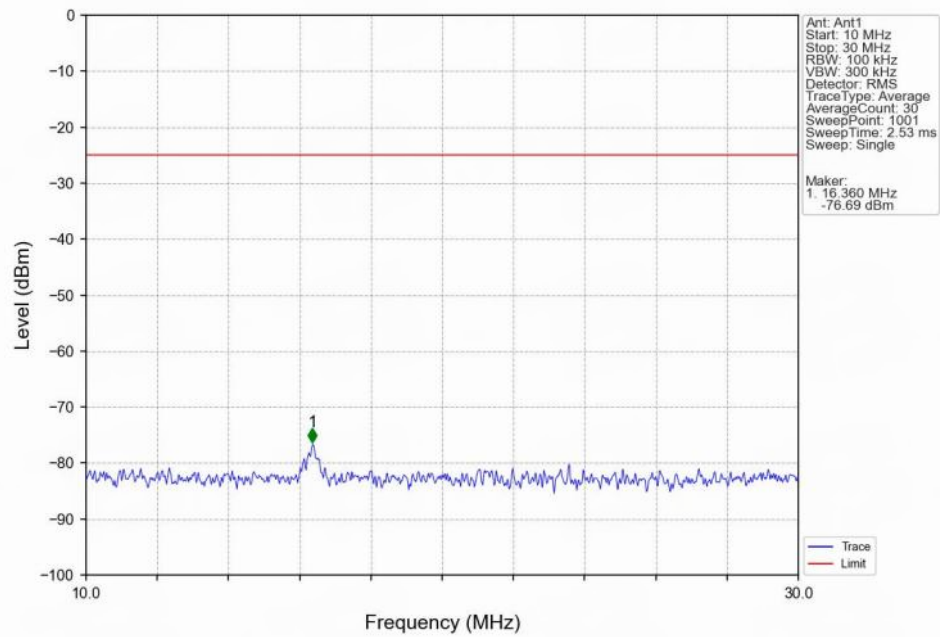
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



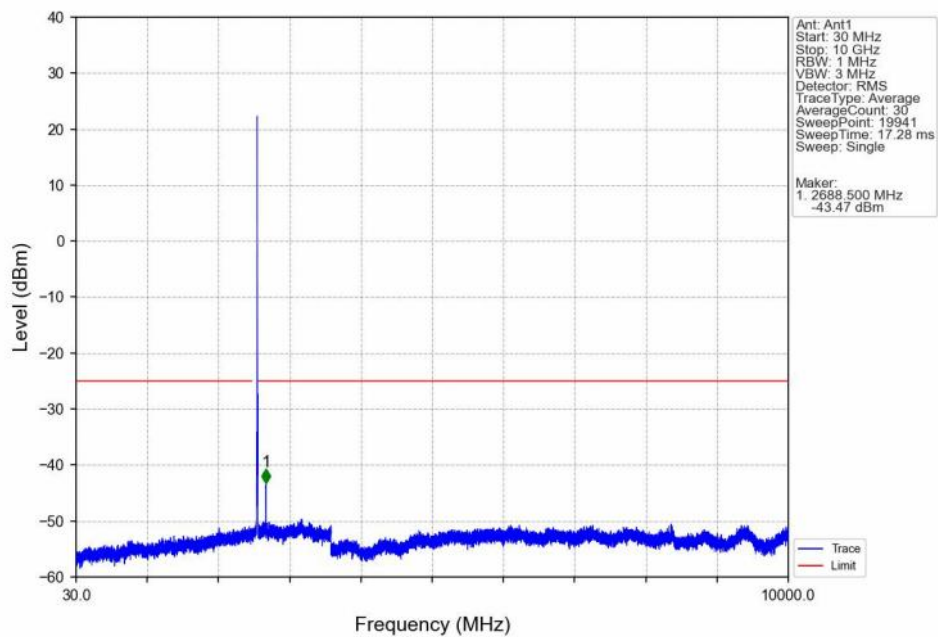
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



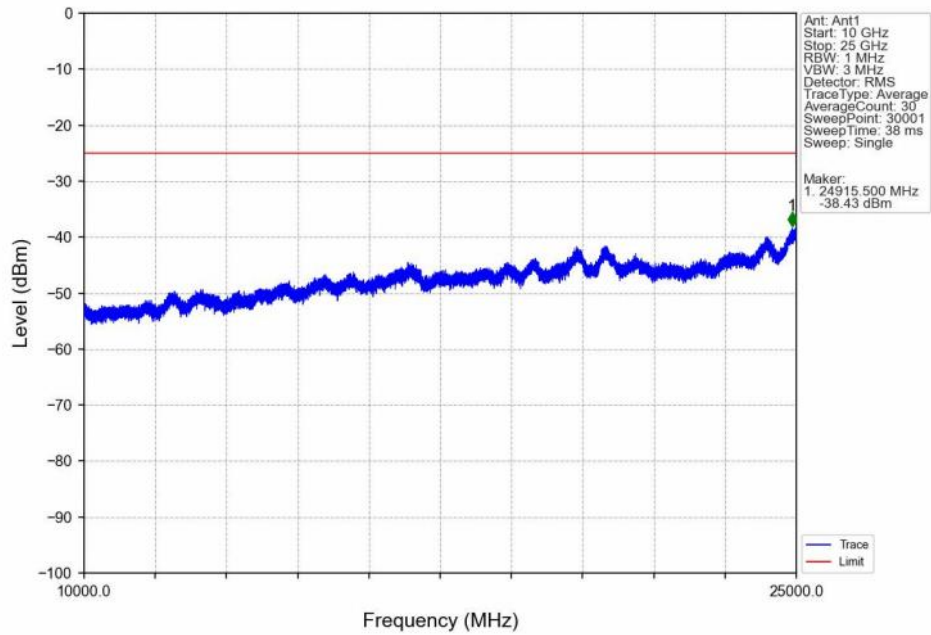
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



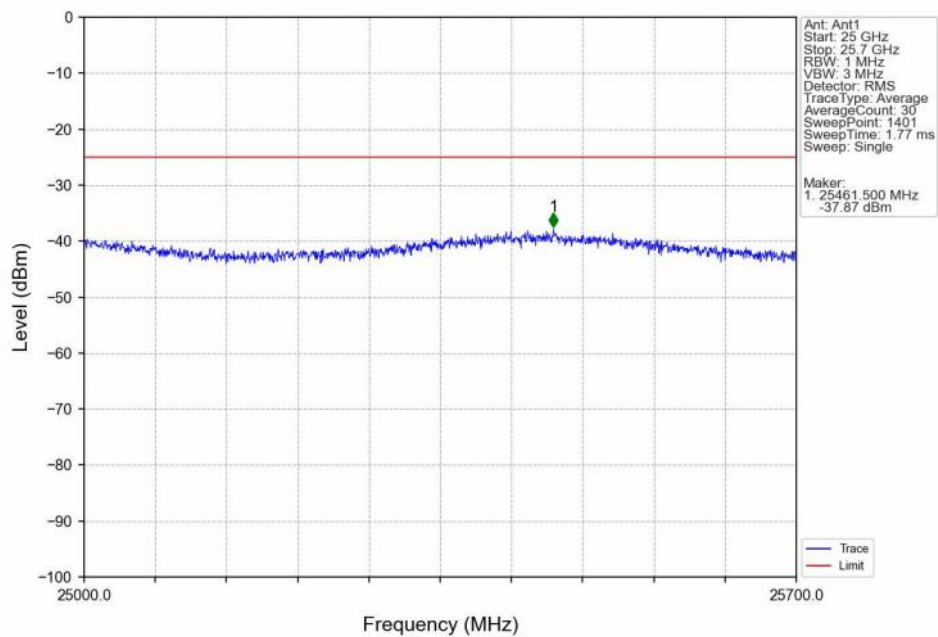
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



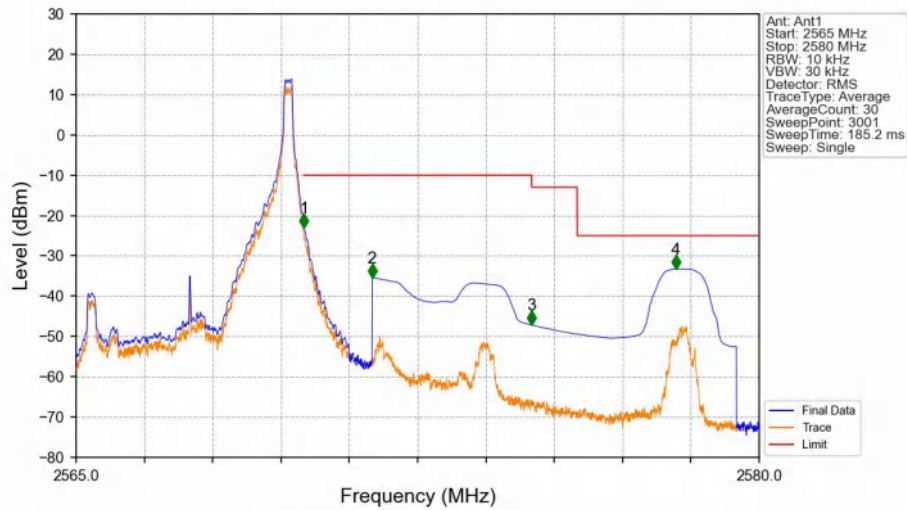
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV

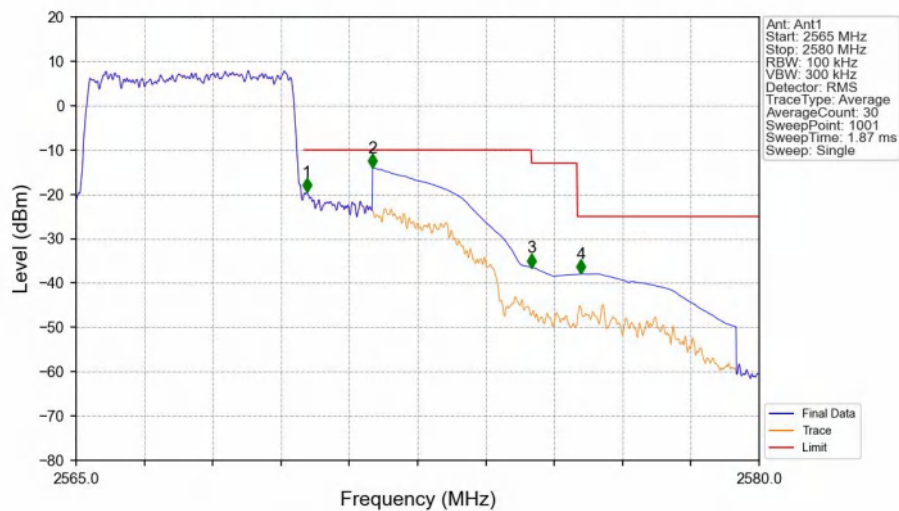


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



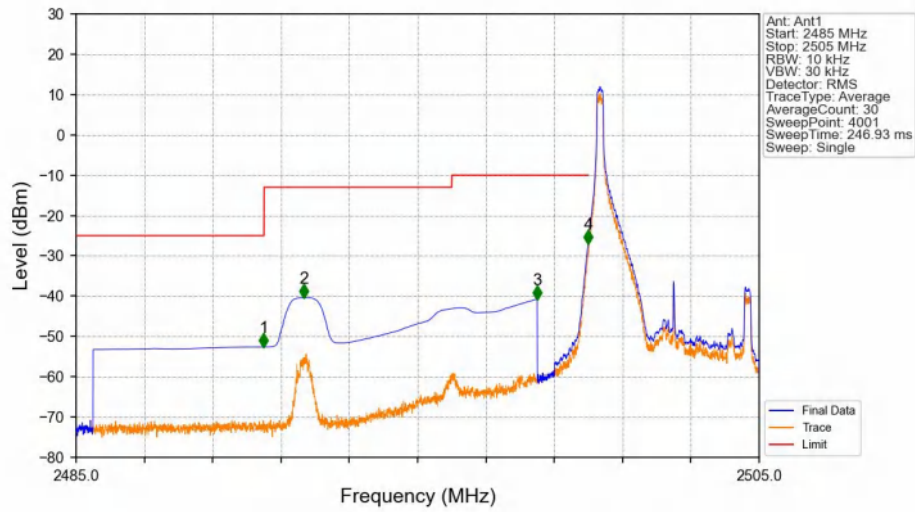
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-23.07	-10	Pass
2571	2575	1	CHP	2	2571.500	-35.37	-10	Pass
2575	2576	1	CHP	3	2575.005	-47.17	-13	Pass
2576	2580	1	CHP	4	2578.165	-33.31	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

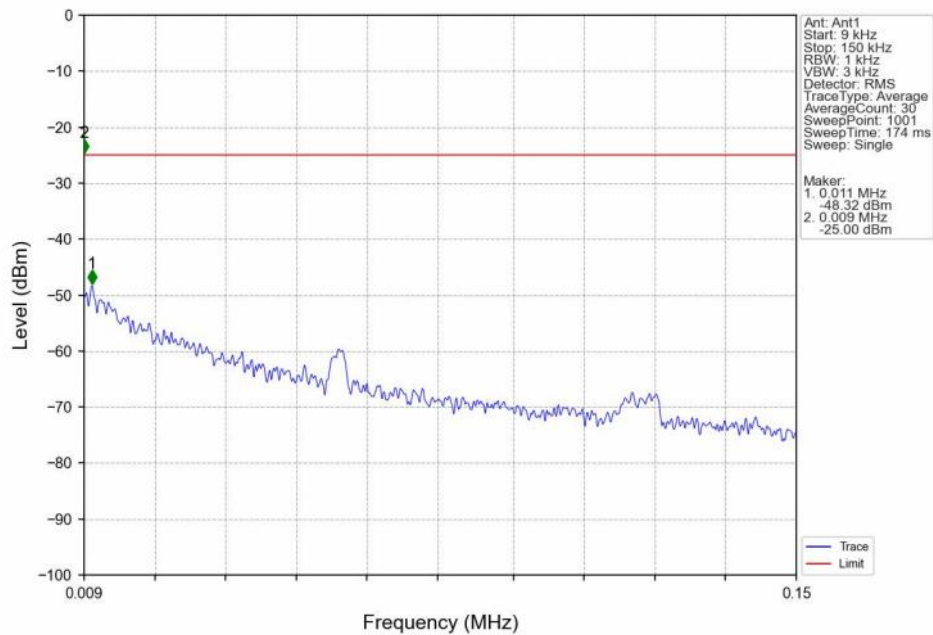


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.070	-19.46	-10	Pass
2571	2575	1	CHP	2	2571.510	-14.02	-10	Pass
2575	2576	1	CHP	3	2575.005	-36.50	-13	Pass
2576	2580	1	CHP	4	2576.085	-37.92	-25	Pass

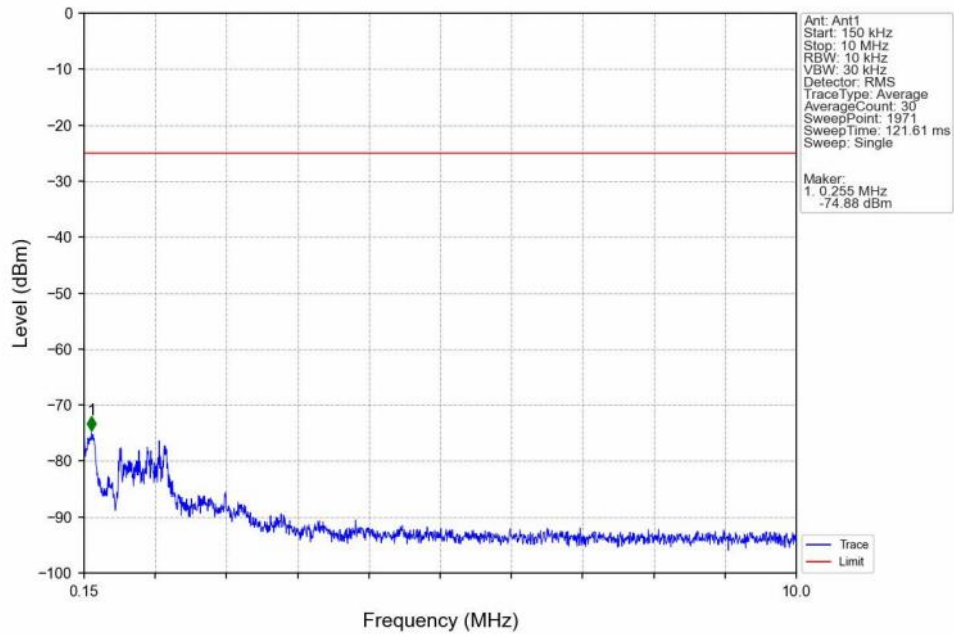
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



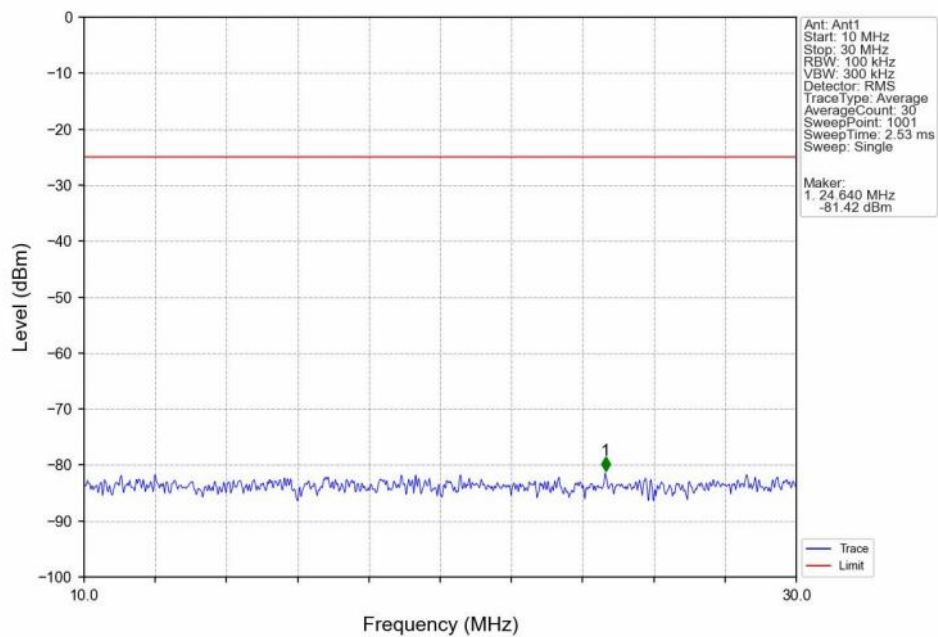
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



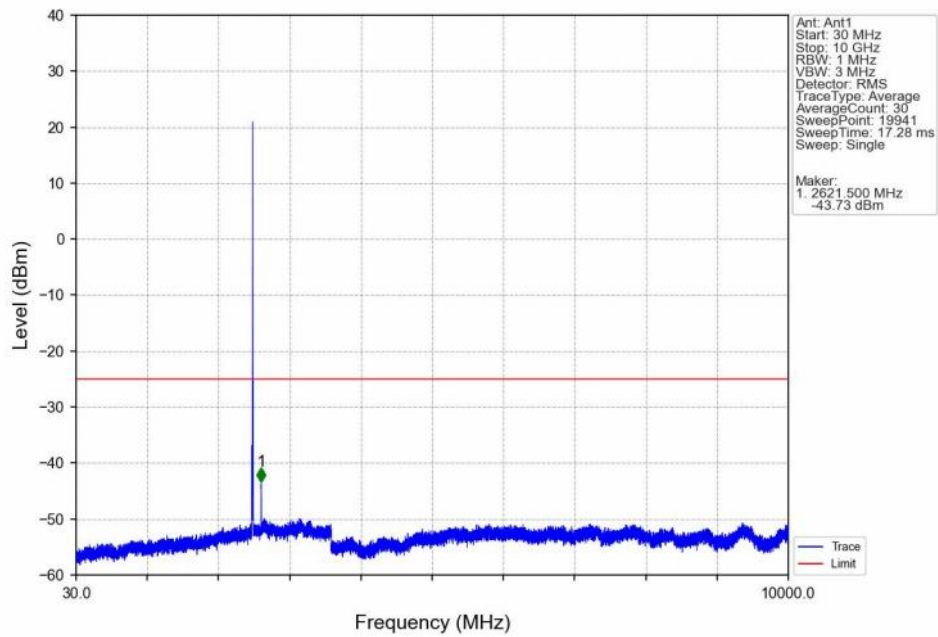
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



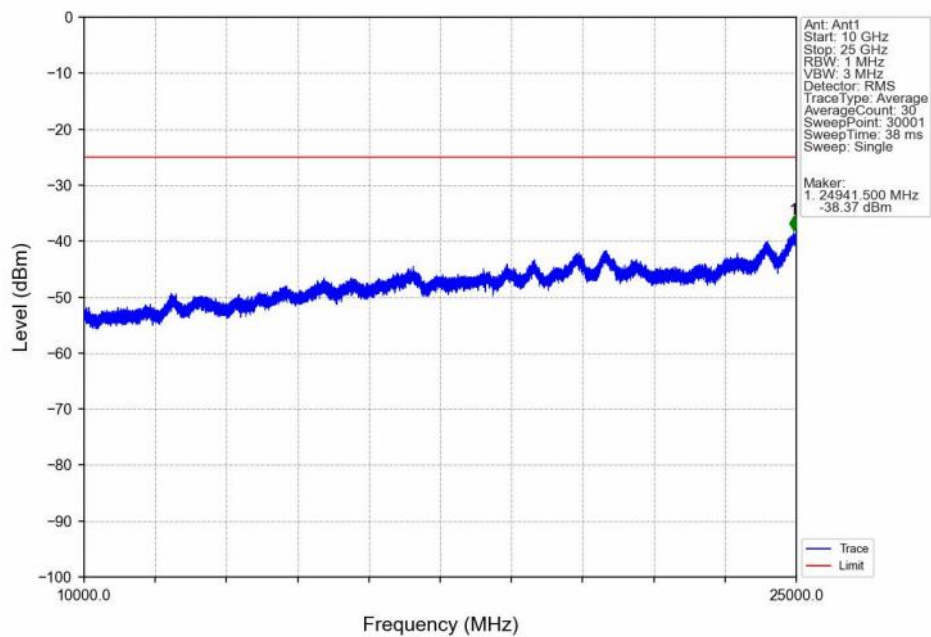
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



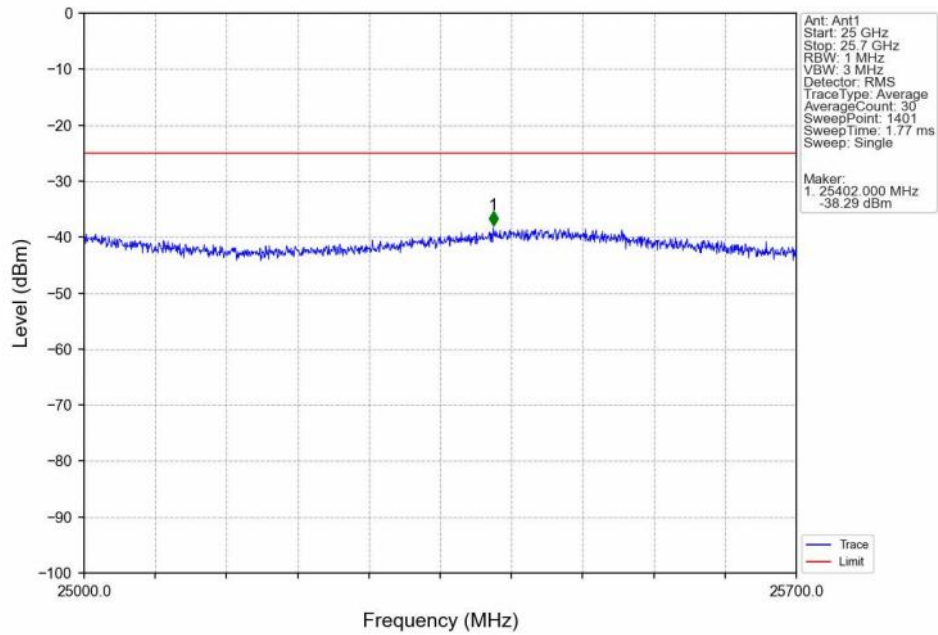
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



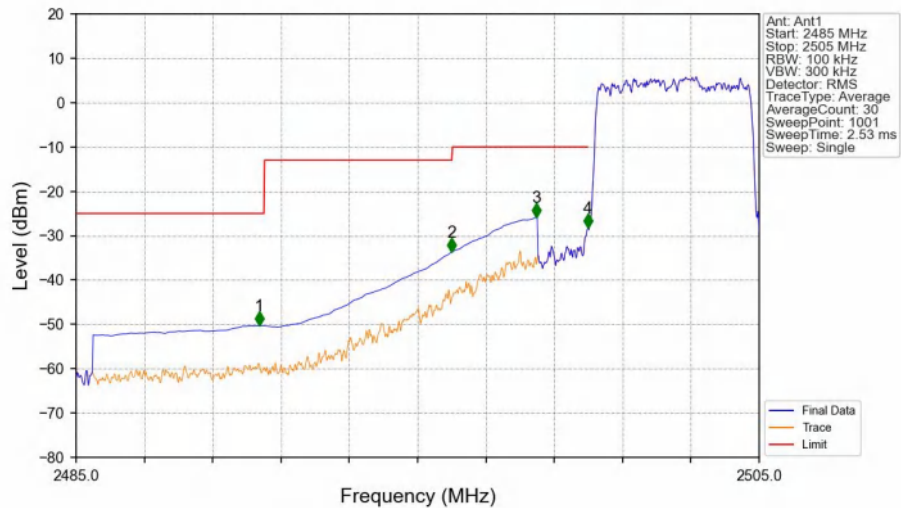
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV

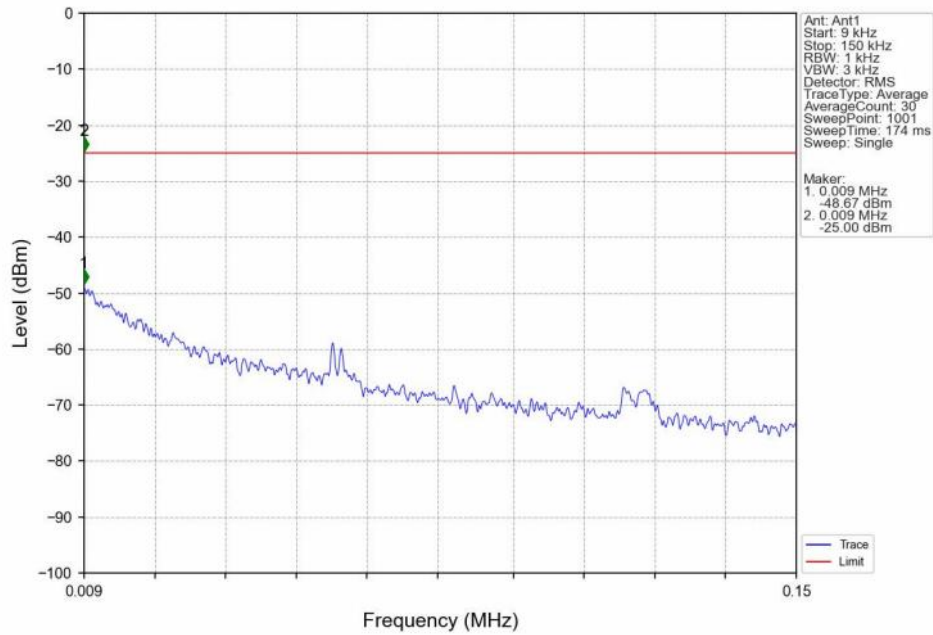


Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

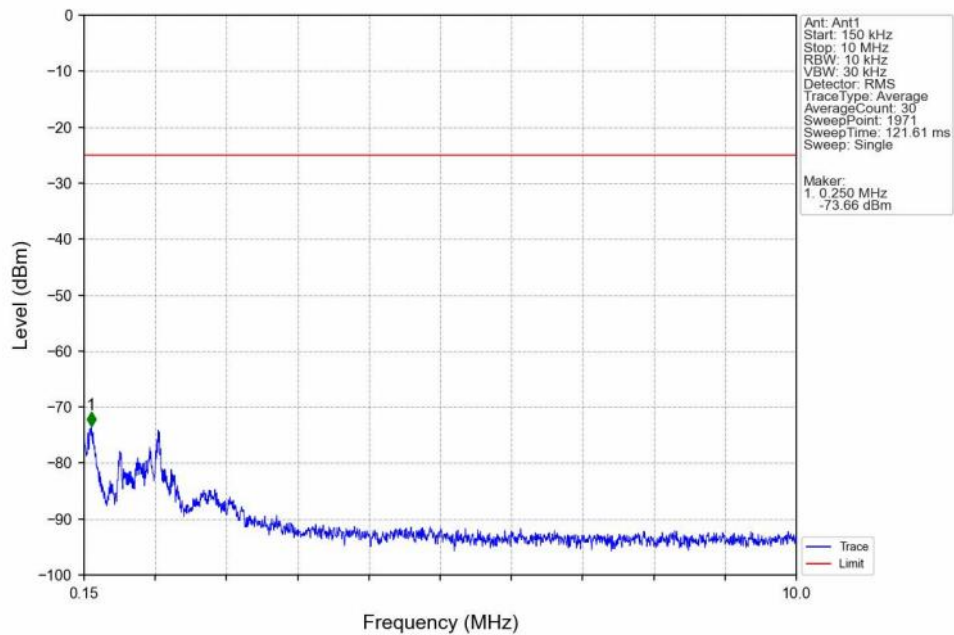


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.360	-50.32	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-33.66	-13	Pass
2496	2499	1	CHP	3	2498.480	-25.83	-10	Pass
2499	2500	0.1	/	4	2499.980	-28.24	-10	Pass
2500	2505	0.1	/	/	/	/	/	/

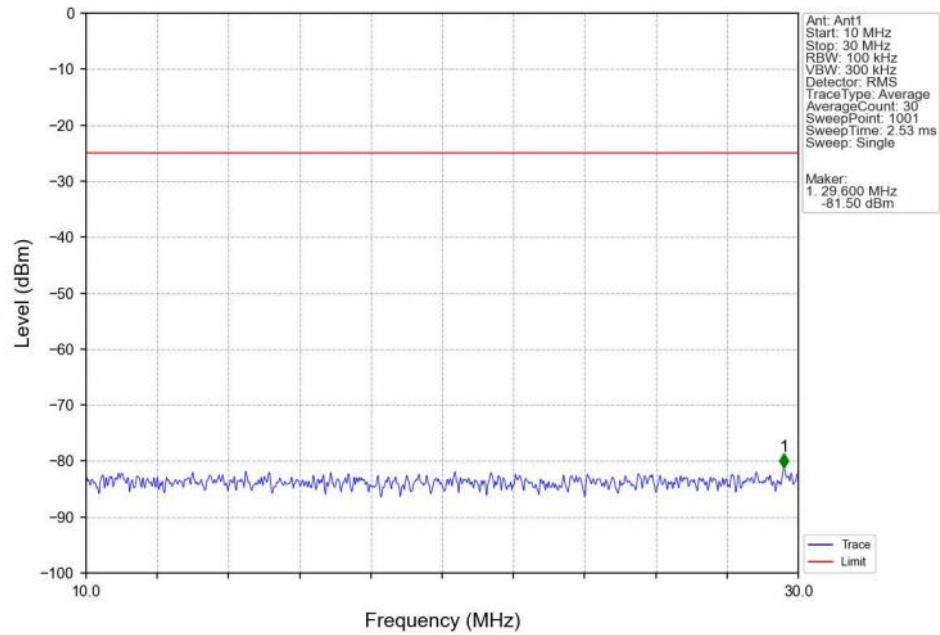
Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



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

