

Appendix - LTE Band_38

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	19.05	-1.98	17.07	<=33.01	Pass
			13	19.37	-1.98	17.39	<=33.01	Pass
			24	19.12	-1.98	17.14	<=33.01	Pass
		12	0	19.31	-1.98	17.33	<=33.01	Pass
			6	19.41	-1.98	17.43	<=33.01	Pass
			13	19.19	-1.98	17.21	<=33.01	Pass
		25	0	19.32	-1.98	17.34	<=33.01	Pass
	2595	1	0	19.29	-1.98	17.31	<=33.01	Pass
			13	19.20	-1.98	17.22	<=33.01	Pass
			24	19.24	-1.98	17.26	<=33.01	Pass
		12	0	19.34	-1.98	17.36	<=33.01	Pass
			6	19.30	-1.98	17.32	<=33.01	Pass
			13	19.12	-1.98	17.14	<=33.01	Pass
		25	0	19.35	-1.98	17.37	<=33.01	Pass
	2617.5	1	0	18.73	-1.98	16.75	<=33.01	Pass
			13	18.86	-1.98	16.88	<=33.01	Pass
			24	18.85	-1.98	16.87	<=33.01	Pass
		12	0	19.05	-1.98	17.07	<=33.01	Pass
			6	19.04	-1.98	17.06	<=33.01	Pass
			13	18.82	-1.98	16.84	<=33.01	Pass
		25	0	18.86	-1.98	16.88	<=33.01	Pass
16QAM	2572.5	1	0	19.22	-1.98	17.24	<=33.01	Pass
			13	19.42	-1.98	17.44	<=33.01	Pass
			24	19.15	-1.98	17.17	<=33.01	Pass
		12	0	19.10	-1.98	17.12	<=33.01	Pass
			6	19.20	-1.98	17.22	<=33.01	Pass
			13	19.10	-1.98	17.12	<=33.01	Pass
		25	0	19.41	-1.98	17.43	<=33.01	Pass
	2595	1	0	19.32	-1.98	17.34	<=33.01	Pass
			13	19.39	-1.98	17.41	<=33.01	Pass
			24	19.12	-1.98	17.14	<=33.01	Pass
		12	0	19.16	-1.98	17.18	<=33.01	Pass
			6	19.32	-1.98	17.34	<=33.01	Pass
			13	19.09	-1.98	17.11	<=33.01	Pass
		25	0	19.21	-1.98	17.23	<=33.01	Pass
	2617.5	1	0	18.92	-1.98	16.94	<=33.01	Pass
			13	18.85	-1.98	16.87	<=33.01	Pass
			24	18.90	-1.98	16.92	<=33.01	Pass
		12	0	18.84	-1.98	16.86	<=33.01	Pass
			6	19.07	-1.98	17.09	<=33.01	Pass
			13	19.03	-1.98	17.05	<=33.01	Pass
		25	0	19.05	-1.98	17.07	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
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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>

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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	19.14	-1.98	17.16	<=33.01	Pass
			25	19.57	-1.98	17.59	<=33.01	Pass
			49	19.38	-1.98	17.40	<=33.01	Pass
		25	0	19.36	-1.98	17.38	<=33.01	Pass
			13	19.41	-1.98	17.43	<=33.01	Pass
			25	19.35	-1.98	17.37	<=33.01	Pass
		50	0	19.24	-1.98	17.26	<=33.01	Pass
	2595	1	0	19.30	-1.98	17.32	<=33.01	Pass
			25	19.49	-1.98	17.51	<=33.01	Pass
			49	19.20	-1.98	17.22	<=33.01	Pass
		25	0	19.27	-1.98	17.29	<=33.01	Pass
			13	19.18	-1.98	17.20	<=33.01	Pass
			25	19.17	-1.98	17.19	<=33.01	Pass
		50	0	19.25	-1.98	17.27	<=33.01	Pass
	2615	1	0	19.05	-1.98	17.07	<=33.01	Pass
			25	19.20	-1.98	17.22	<=33.01	Pass
			49	18.99	-1.98	17.01	<=33.01	Pass
		25	0	19.07	-1.98	17.09	<=33.01	Pass
			13	19.01	-1.98	17.03	<=33.01	Pass
			25	19.06	-1.98	17.08	<=33.01	Pass
		50	0	18.82	-1.98	16.84	<=33.01	Pass
16QAM	2575	1	0	19.02	-1.98	17.04	<=33.01	Pass
			25	19.30	-1.98	17.32	<=33.01	Pass
			49	19.09	-1.98	17.11	<=33.01	Pass
		25	0	19.26	-1.98	17.28	<=33.01	Pass
			13	19.25	-1.98	17.27	<=33.01	Pass
			25	19.23	-1.98	17.25	<=33.01	Pass
		50	0	19.35	-1.98	17.37	<=33.01	Pass
	2595	1	0	19.27	-1.98	17.29	<=33.01	Pass
			25	19.45	-1.98	17.47	<=33.01	Pass
			49	19.08	-1.98	17.10	<=33.01	Pass
		25	0	19.36	-1.98	17.38	<=33.01	Pass
			13	19.28	-1.98	17.30	<=33.01	Pass
			25	19.22	-1.98	17.24	<=33.01	Pass
		50	0	19.33	-1.98	17.35	<=33.01	Pass
	2615	1	0	18.87	-1.98	16.89	<=33.01	Pass
			25	18.68	-1.98	16.70	<=33.01	Pass
			49	18.49	-1.98	16.51	<=33.01	Pass
		25	0	19.07	-1.98	17.09	<=33.01	Pass
			13	18.84	-1.98	16.86	<=33.01	Pass
			25	19.02	-1.98	17.04	<=33.01	Pass
		50	0	18.80	-1.98	16.82	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	19.09	-1.98	17.11	<=33.01	Pass
			38	19.38	-1.98	17.40	<=33.01	Pass
			74	19.31	-1.98	17.33	<=33.01	Pass
		36	0	19.26	-1.98	17.28	<=33.01	Pass
			18	19.41	-1.98	17.43	<=33.01	Pass
			39	19.28	-1.98	17.30	<=33.01	Pass
		75	0	19.38	-1.98	17.40	<=33.01	Pass
	2595	1	0	19.30	-1.98	17.32	<=33.01	Pass

			38	19.30	-1.98	17.32	<=33.01	Pass	
			74	19.07	-1.98	17.09	<=33.01	Pass	
		36	0	19.38	-1.98	17.40	<=33.01	Pass	
			18	19.36	-1.98	17.38	<=33.01	Pass	
			39	19.31	-1.98	17.33	<=33.01	Pass	
		75	0	19.35	-1.98	17.37	<=33.01	Pass	
		2612.5	1	0	18.91	-1.98	16.93	<=33.01	Pass
	38			18.93	-1.98	16.95	<=33.01	Pass	
	74			18.91	-1.98	16.93	<=33.01	Pass	
	36		0	18.98	-1.98	17.00	<=33.01	Pass	
			18	19.05	-1.98	17.07	<=33.01	Pass	
			39	18.97	-1.98	16.99	<=33.01	Pass	
	75		0	18.91	-1.98	16.93	<=33.01	Pass	
	16QAM	2577.5	1	0	18.98	-1.98	17.00	<=33.01	Pass
38				19.18	-1.98	17.20	<=33.01	Pass	
74				19.09	-1.98	17.11	<=33.01	Pass	
36			0	19.31	-1.98	17.33	<=33.01	Pass	
			18	19.37	-1.98	17.39	<=33.01	Pass	
			39	19.38	-1.98	17.40	<=33.01	Pass	
75			0	19.23	-1.98	17.25	<=33.01	Pass	
2595		1	0	19.32	-1.98	17.34	<=33.01	Pass	
			38	19.35	-1.98	17.37	<=33.01	Pass	
			74	19.22	-1.98	17.24	<=33.01	Pass	
		36	0	19.24	-1.98	17.26	<=33.01	Pass	
			18	19.32	-1.98	17.34	<=33.01	Pass	
			39	19.18	-1.98	17.20	<=33.01	Pass	
		75	0	19.23	-1.98	17.25	<=33.01	Pass	
2612.5		1	0	18.90	-1.98	16.92	<=33.01	Pass	
			38	18.82	-1.98	16.84	<=33.01	Pass	
			74	18.98	-1.98	17.00	<=33.01	Pass	
		36	0	19.13	-1.98	17.15	<=33.01	Pass	
			18	19.11	-1.98	17.13	<=33.01	Pass	
			39	18.80	-1.98	16.82	<=33.01	Pass	
		75	0	19.05	-1.98	17.07	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	19.08	-1.98	17.10	<=33.01	Pass
			50	19.35	-1.98	17.37	<=33.01	Pass
			99	19.11	-1.98	17.13	<=33.01	Pass
		50	0	19.20	-1.98	17.22	<=33.01	Pass
			25	19.33	-1.98	17.35	<=33.01	Pass
			50	19.28	-1.98	17.30	<=33.01	Pass
		100	0	19.32	-1.98	17.34	<=33.01	Pass
		1	0	19.14	-1.98	17.16	<=33.01	Pass
			50	19.41	-1.98	17.43	<=33.01	Pass
			99	18.92	-1.98	16.94	<=33.01	Pass
			0	19.34	-1.98	17.36	<=33.01	Pass
			25	19.16	-1.98	17.18	<=33.01	Pass
			50	19.06	-1.98	17.08	<=33.01	Pass
		100	0	19.28	-1.98	17.30	<=33.01	Pass
	2610	1	0	18.93	-1.98	16.95	<=33.01	Pass
			50	19.11	-1.98	17.13	<=33.01	Pass
			99	18.84	-1.98	16.86	<=33.01	Pass
		50	0	19.03	-1.98	17.05	<=33.01	Pass

16QAM	2580	100	25	19.05	-1.98	17.07	<=33.01	Pass
			50	18.93	-1.98	16.95	<=33.01	Pass
			0	18.88	-1.98	16.90	<=33.01	Pass
		1	0	18.99	-1.98	17.01	<=33.01	Pass
			50	19.58	-1.98	17.60	<=33.01	Pass
			99	18.96	-1.98	16.98	<=33.01	Pass
		50	0	19.32	-1.98	17.34	<=33.01	Pass
			25	19.21	-1.98	17.23	<=33.01	Pass
			50	19.29	-1.98	17.31	<=33.01	Pass
		100	0	19.20	-1.98	17.22	<=33.01	Pass
	2595	1	0	19.16	-1.98	17.18	<=33.01	Pass
			50	19.23	-1.98	17.25	<=33.01	Pass
			99	18.94	-1.98	16.96	<=33.01	Pass
		50	0	19.24	-1.98	17.26	<=33.01	Pass
			25	19.17	-1.98	17.19	<=33.01	Pass
			50	19.09	-1.98	17.11	<=33.01	Pass
		100	0	19.18	-1.98	17.20	<=33.01	Pass
	2610	1	0	19.14	-1.98	17.16	<=33.01	Pass
			50	18.61	-1.98	16.63	<=33.01	Pass
			99	18.33	-1.98	16.35	<=33.01	Pass
		50	0	19.16	-1.98	17.18	<=33.01	Pass
			25	19.00	-1.98	17.02	<=33.01	Pass
			50	18.77	-1.98	16.79	<=33.01	Pass
		100	0	19.08	-1.98	17.10	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-10.242	-0.0040	-2.5 to 2.5	Pass
					3.85	-10.529	-0.0041	-2.5 to 2.5	Pass
					4.43	-9.041	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.609	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-11.616	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-9.170	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-10.386	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-10.185	-0.0040	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	13.347	0.0051	-2.5 to 2.5	Pass
					3.85	9.198	0.0035	-2.5 to 2.5	Pass
					4.43	15.807	0.0061	-2.5 to 2.5	Pass
				-30	3.85	17.009	0.0066	-2.5 to 2.5	Pass
				-20	3.85	16.108	0.0062	-2.5 to 2.5	Pass
				-10	3.85	19.426	0.0075	-2.5 to 2.5	Pass
				0	3.85	12.131	0.0047	-2.5 to 2.5	Pass
				10	3.85	25.649	0.0099	-2.5 to 2.5	Pass
				30	3.85	19.255	0.0074	-2.5 to 2.5	Pass
				40	3.85	26.994	0.0104	-2.5 to 2.5	Pass
				50	3.85	29.039	0.0112	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	1.001	0.0004	-2.5 to 2.5	Pass

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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>

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					3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
					4.43	-11.888	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-11.287	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.436	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-14.477	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-10.443	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-7.496	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-6.495	-0.0025	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	0.157	0.0001	-2.5 to 2.5	Pass
					3.85	-6.838	-0.0027	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-5.836	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-7.939	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-11.787	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-13.390	-0.0052	-2.5 to 2.5	Pass
	50	3.85	-3.963	-0.0015	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	30.155	0.0116	-2.5 to 2.5	Pass
					3.85	24.147	0.0093	-2.5 to 2.5	Pass
					4.43	34.575	0.0133	-2.5 to 2.5	Pass
				-30	3.85	21.157	0.0082	-2.5 to 2.5	Pass
				-20	3.85	24.376	0.0094	-2.5 to 2.5	Pass
				-10	3.85	27.781	0.0107	-2.5 to 2.5	Pass
				0	3.85	24.505	0.0094	-2.5 to 2.5	Pass
				10	3.85	32.988	0.0127	-2.5 to 2.5	Pass
				30	3.85	35.734	0.0138	-2.5 to 2.5	Pass
				40	3.85	34.733	0.0134	-2.5 to 2.5	Pass
	50	3.85	39.425	0.0152	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-1.545	-0.0006	-2.5 to 2.5	Pass
					3.85	-8.240	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0019	-2.5 to 2.5	Pass
				0	3.85	4.935	0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.807	-0.0018	-2.5 to 2.5	Pass
30				3.85	-3.204	-0.0012	-2.5 to 2.5	Pass	
40				3.85	-4.992	-0.0019	-2.5 to 2.5	Pass	
50	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass				

2.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	-9.584	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
					4.43	0.329	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-7.939	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass

16QAM	2595	50	0	50	3.85	-10.700	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-8.397	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-9.499	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-2.046	-0.0008	-2.5 to 2.5	Pass
					3.85	-8.254	-0.0032	-2.5 to 2.5	Pass
					4.43	-9.441	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-12.531	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0027	-2.5 to 2.5	Pass
				0	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0025	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass
	2575	50	0	20	3.27	-4.320	-0.0017	-2.5 to 2.5	Pass
					3.85	-13.905	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.835	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-14.505	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-3.633	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-7.653	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-14.148	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-10.157	-0.0039	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
					4.43	-10.586	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-13.289	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-8.140	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0004	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-1.860	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.578	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-6.452	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.136	-0.0020	-2.5 to 2.5	Pass
				0	3.85	2.375	0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass

2.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	-7.238	-0.0028	-2.5 to 2.5	Pass
					3.85	-11.230	-0.0044	-2.5 to 2.5	Pass
					4.43	-13.418	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-8.383	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-7.510	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-7.610	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-9.913	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-11.973	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-1.588	-0.0006	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.535	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-3.476	-0.0013	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0024	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.609	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.967	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.980	-0.0023	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-14.176	-0.0055	-2.5 to 2.5	Pass
					3.85	-9.627	-0.0037	-2.5 to 2.5	Pass
					4.43	-10.057	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-10.214	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-9.027	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-9.770	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-8.411	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-1.202	-0.0005	-2.5 to 2.5	Pass
					3.85	0.930	0.0004	-2.5 to 2.5	Pass
					4.43	-2.861	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-6.223	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.220	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-8.240	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0028	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-7.882	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.882	-0.0030	-2.5 to 2.5	Pass

					3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
					4.43	-10.114	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-10.428	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-5.622	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-12.059	-0.0046	-2.5 to 2.5	Pass

2.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	-3.104	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.935	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-5.922	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-10.185	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-8.569	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-9.027	-0.0035	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-10.071	-0.0039	-2.5 to 2.5	Pass
					3.85	-13.089	-0.0050	-2.5 to 2.5	Pass
					4.43	-12.603	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-8.869	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.351	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-10.614	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.740	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-10.042	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-12.417	-0.0048	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
					4.43	-11.158	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-8.368	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-11.215	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-18.325	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-7.725	-0.0030	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-1.745	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.033	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0021	-2.5 to 2.5	Pass

	2595	100	0	50	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				20	3.27	-8.597	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-13.590	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-9.670	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-5.808	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-12.116	-0.0047	-2.5 to 2.5	Pass
	2610	100	0	40	3.85	-12.732	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-9.828	-0.0038	-2.5 to 2.5	Pass
				20	3.27	-12.774	-0.0049	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0016	-2.5 to 2.5	Pass
					4.43	-9.785	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.394	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-10.157	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.025	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-12.546	-0.0048	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	25	0	Refer To Test Graph		Pass
16QAM	2595	25	0	Refer To Test Graph		Pass

3.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	50	0	Refer To Test Graph		Pass
16QAM	2595	50	0	Refer To Test Graph		Pass

3.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	75	0	Refer To Test Graph		Pass
16QAM	2595	75	0	Refer To Test Graph		Pass

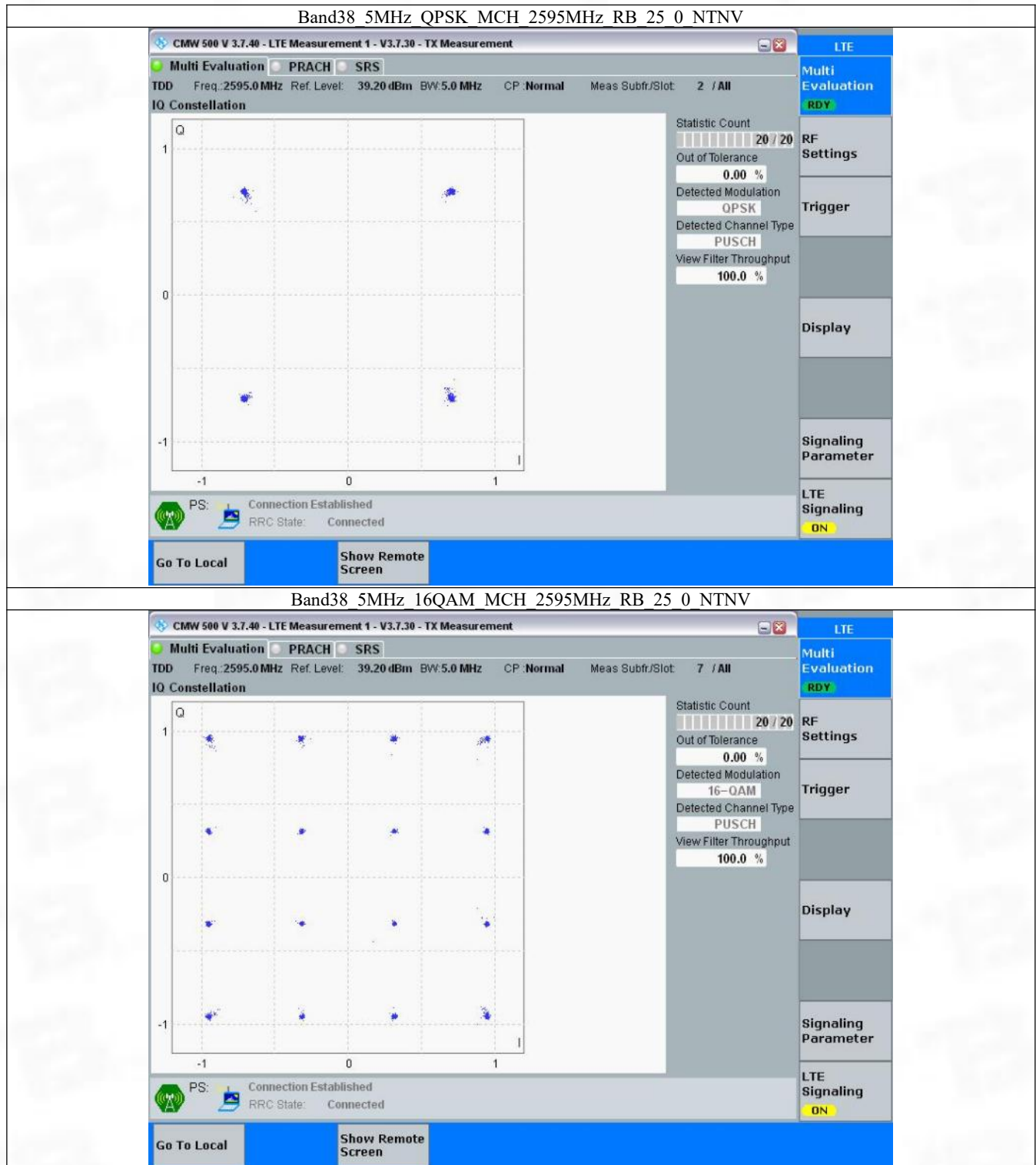
3.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

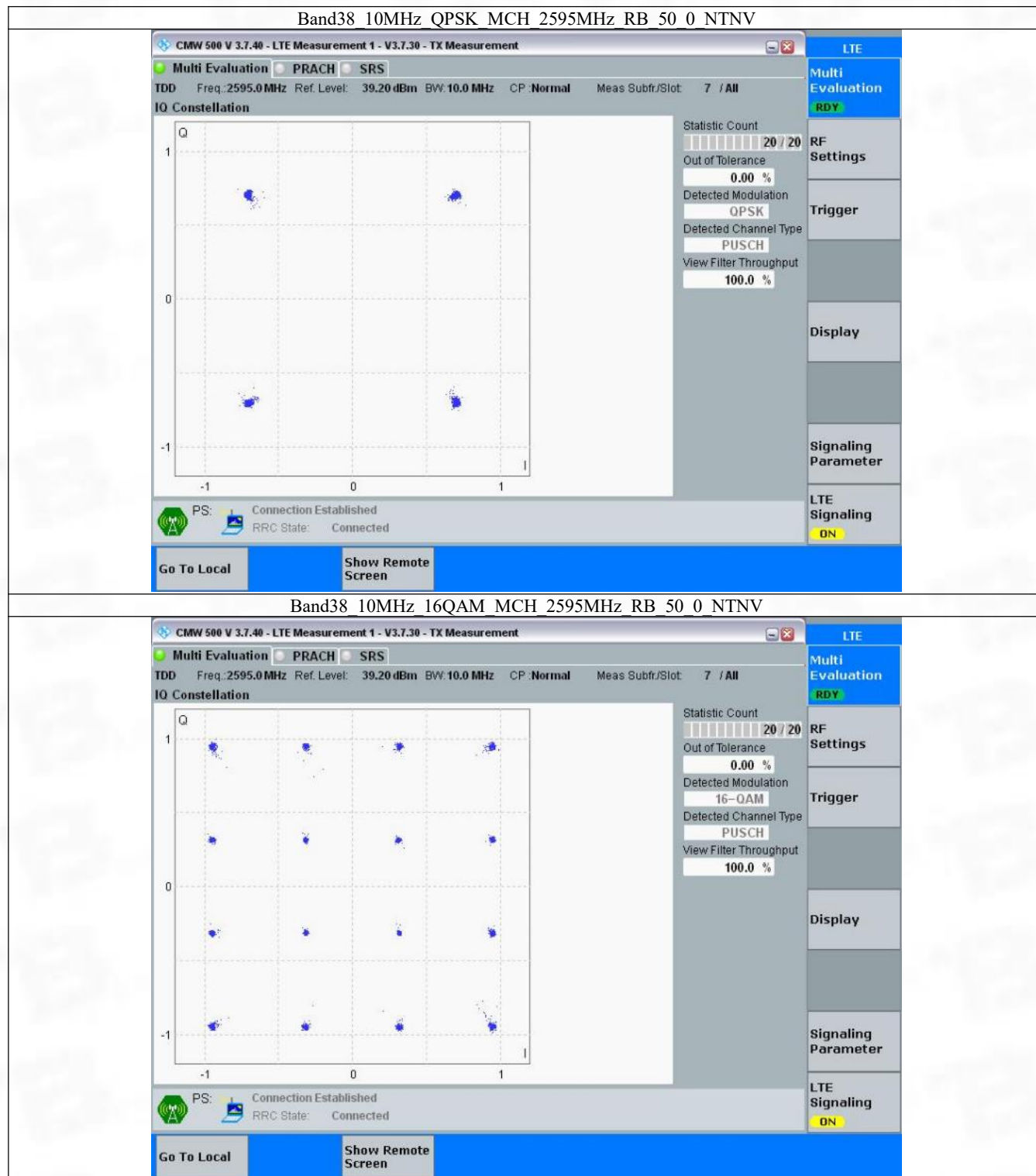
	(MHz)	Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	100	0	Refer To Test Graph		Pass

3.2 Test Graph

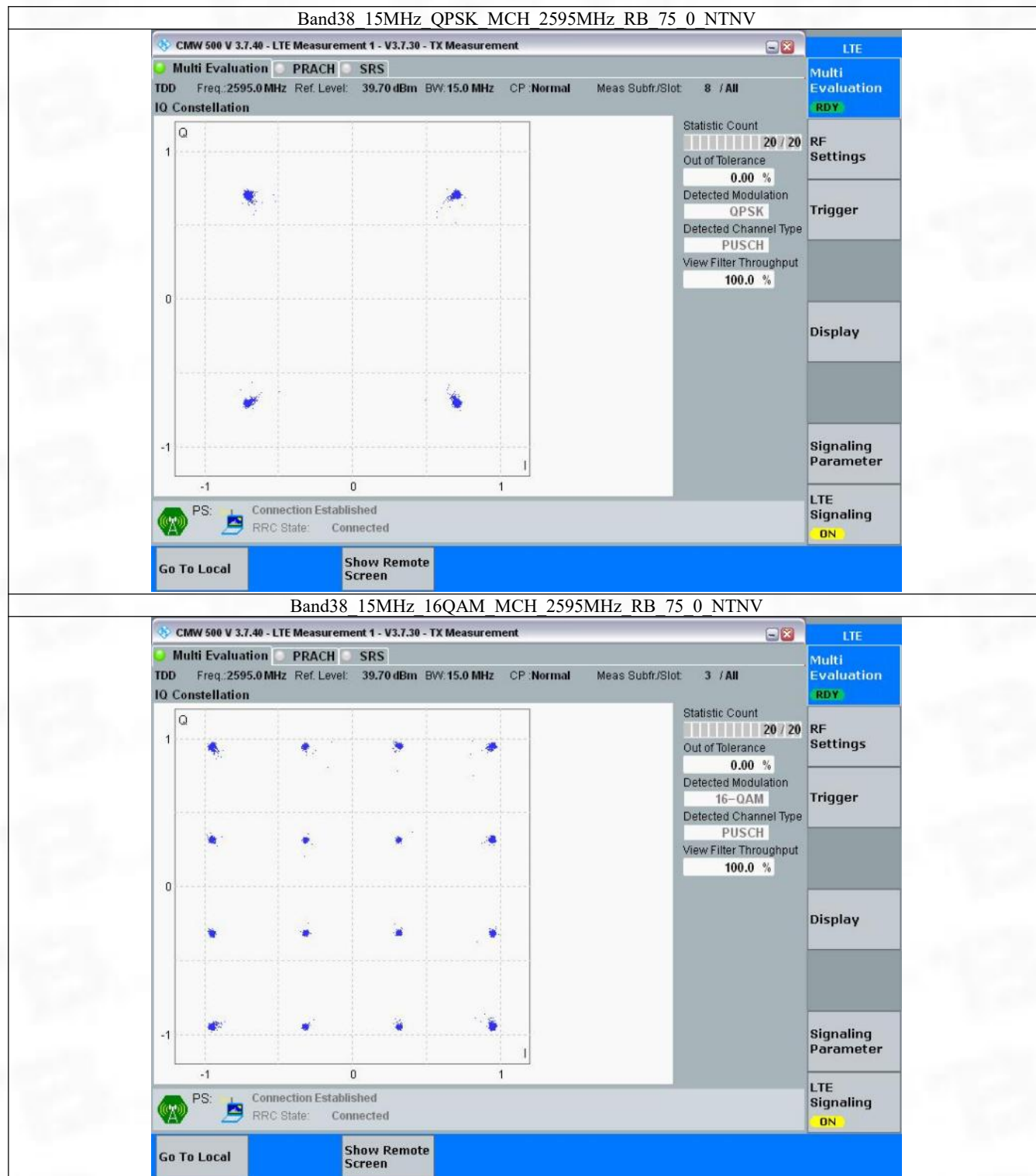
3.2.1 B38_5MHz



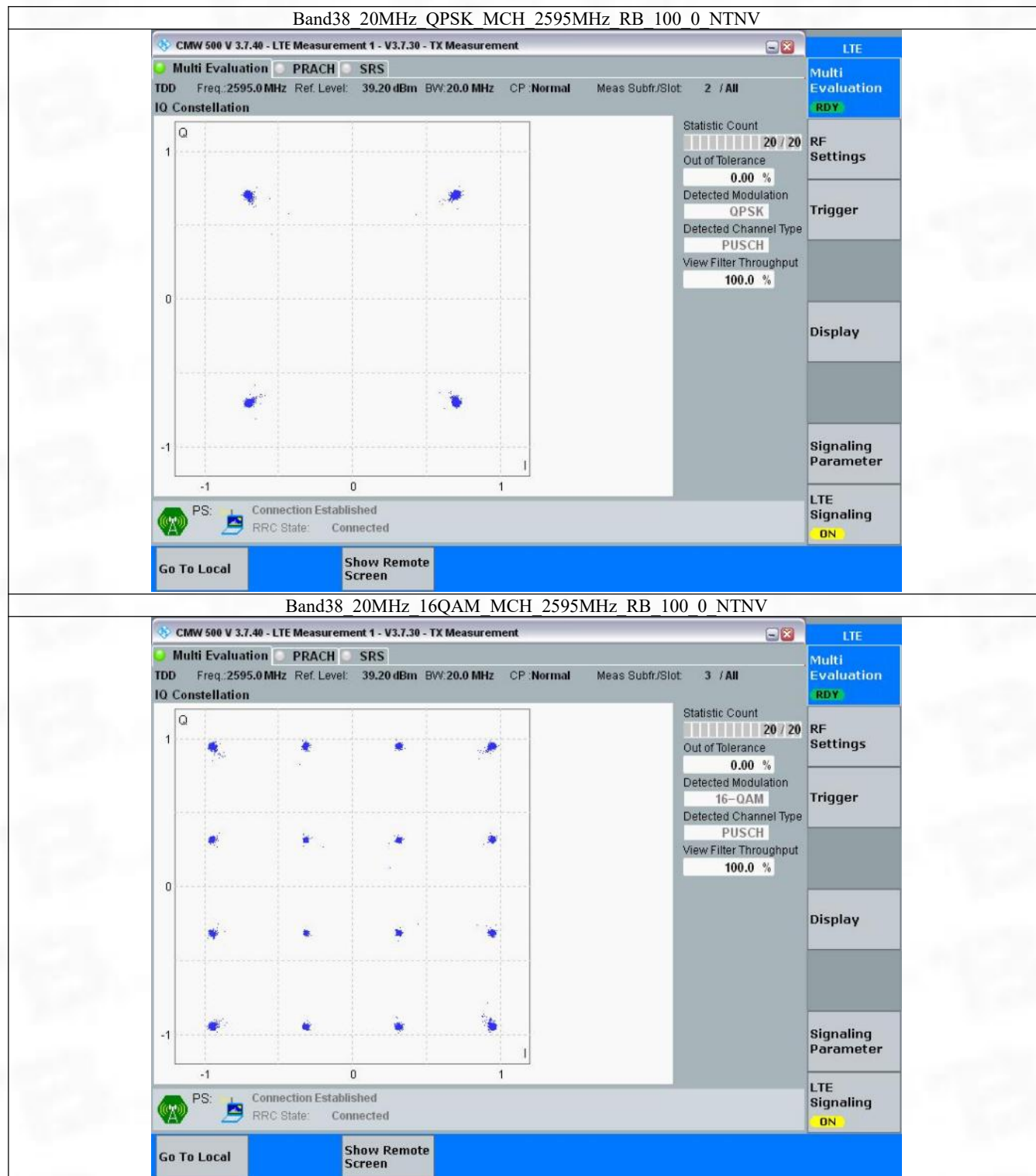
3.2.2 B38_10MHz



3.2.3 B38_15MHz



3.2.4 B38_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band38_OBW

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.552	/	Pass
		2595	25	0	4.548	/	Pass
		2617.5	25	0	4.548	/	Pass
	16QAM	2572.5	25	0	4.542	/	Pass
		2595	25	0	4.529	/	Pass
		2617.5	25	0	4.568	/	Pass
10	QPSK	2575	50	0	9.084	/	Pass
		2595	50	0	9.053	/	Pass
		2615	50	0	9.060	/	Pass
	16QAM	2575	50	0	9.063	/	Pass
		2595	50	0	9.047	/	Pass
		2615	50	0	9.067	/	Pass
15	QPSK	2577.5	75	0	13.543	/	Pass
		2595	75	0	13.576	/	Pass
		2612.5	75	0	13.624	/	Pass
	16QAM	2577.5	75	0	13.624	/	Pass
		2595	75	0	13.574	/	Pass
		2612.5	75	0	13.623	/	Pass
20	QPSK	2580	100	0	18.161	/	Pass
		2595	100	0	18.056	/	Pass
		2610	100	0	18.143	/	Pass
	16QAM	2580	100	0	18.089	/	Pass
		2595	100	0	18.134	/	Pass
		2610	100	0	18.074	/	Pass

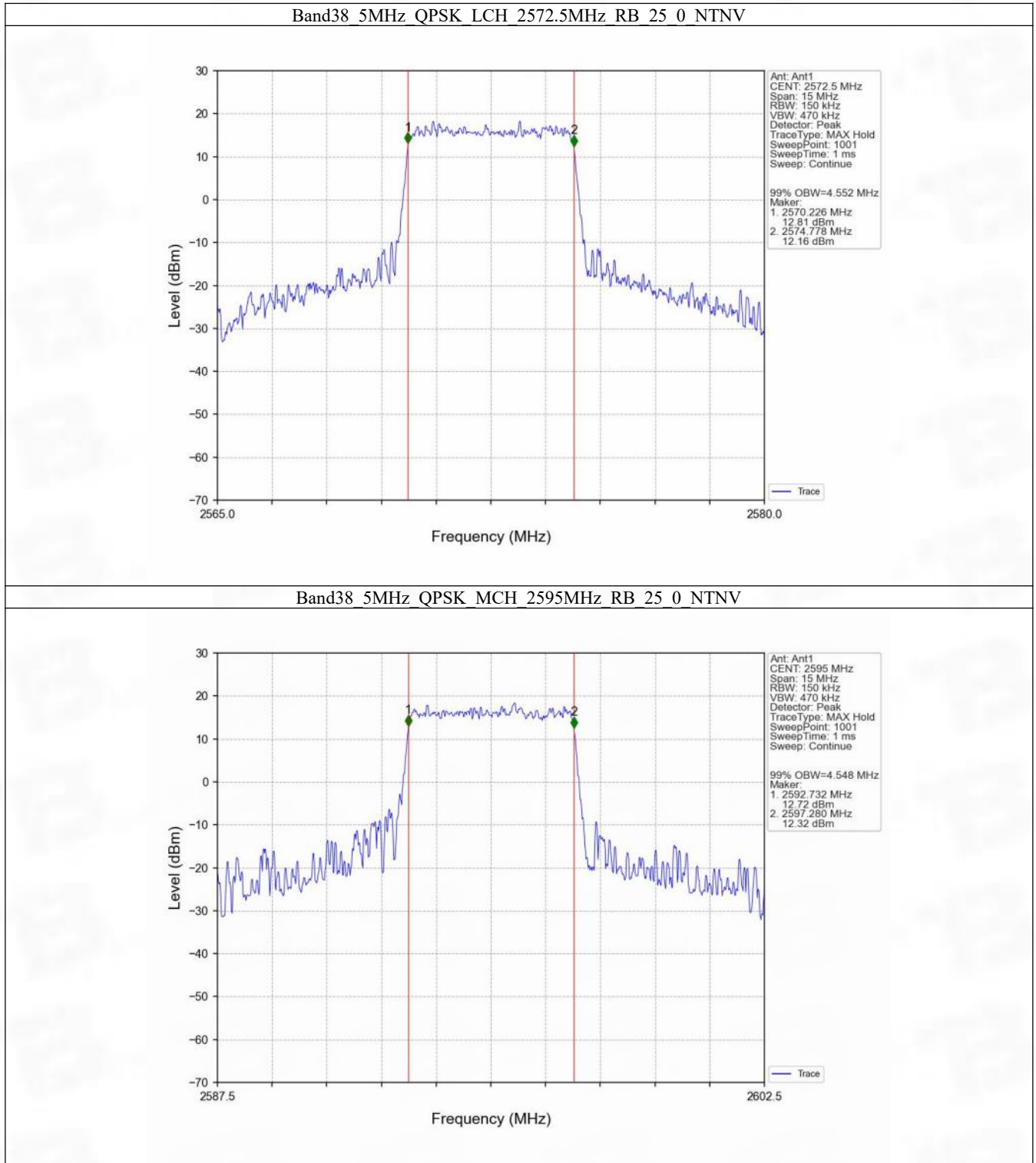
4.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.001	/	Pass
		2595	25	0	5.307	/	Pass
		2617.5	25	0	5.513	/	Pass
	16QAM	2572.5	25	0	5.460	/	Pass
		2595	25	0	5.262	/	Pass
		2617.5	25	0	5.201	/	Pass
10	QPSK	2575	50	0	10.742	/	Pass
		2595	50	0	10.569	/	Pass
		2615	50	0	10.045	/	Pass
	16QAM	2575	50	0	10.906	/	Pass
		2595	50	0	10.395	/	Pass
		2615	50	0	9.950	/	Pass
15	QPSK	2577.5	75	0	15.809	/	Pass
		2595	75	0	15.219	/	Pass
		2612.5	75	0	16.310	/	Pass
	16QAM	2577.5	75	0	17.963	/	Pass
		2595	75	0	17.216	/	Pass

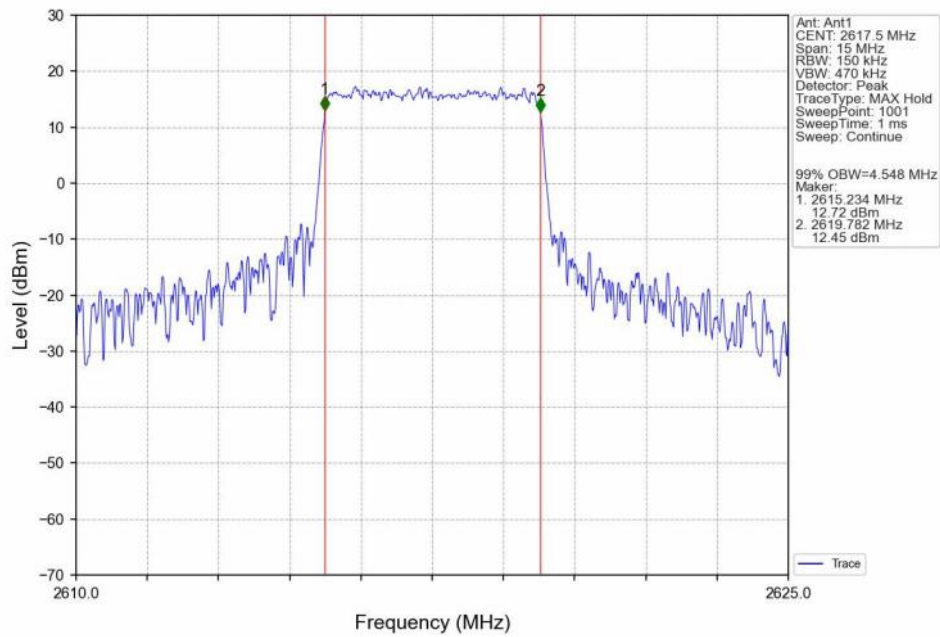
20	QPSK	2612.5	75	0	17.426	/	Pass
		2580	100	0	21.995	/	Pass
		2595	100	0	19.840	/	Pass
		2610	100	0	20.627	/	Pass
	16QAM	2580	100	0	19.535	/	Pass
		2595	100	0	21.940	/	Pass
		2610	100	0	20.617	/	Pass

4.2 Test Graph

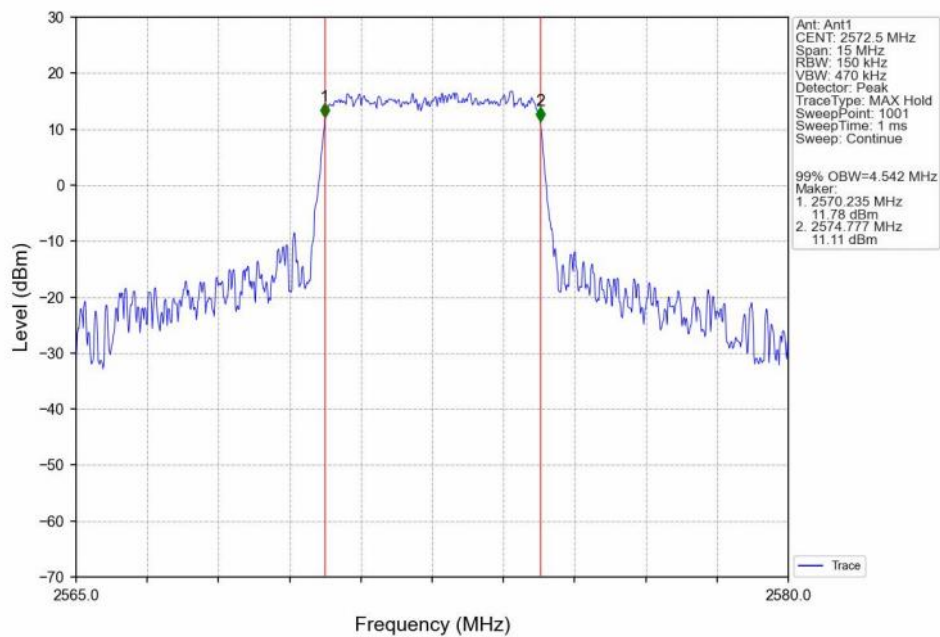
4.2.1 Band38_OBW



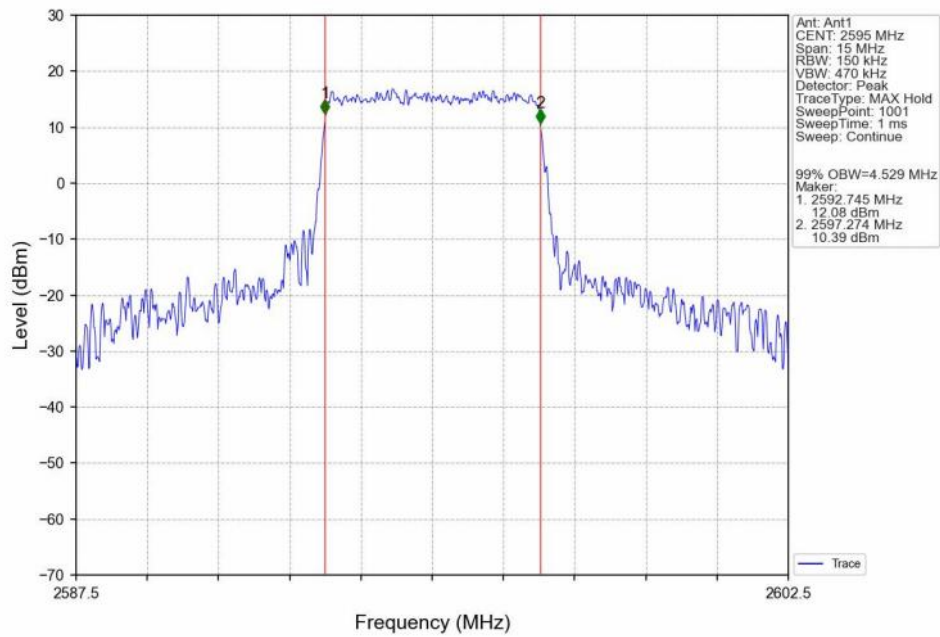
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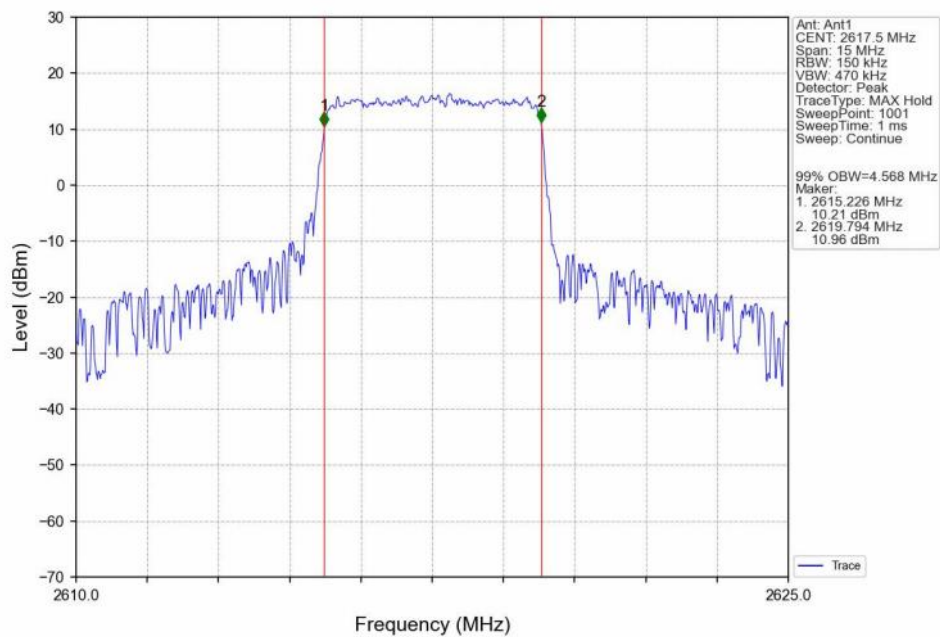
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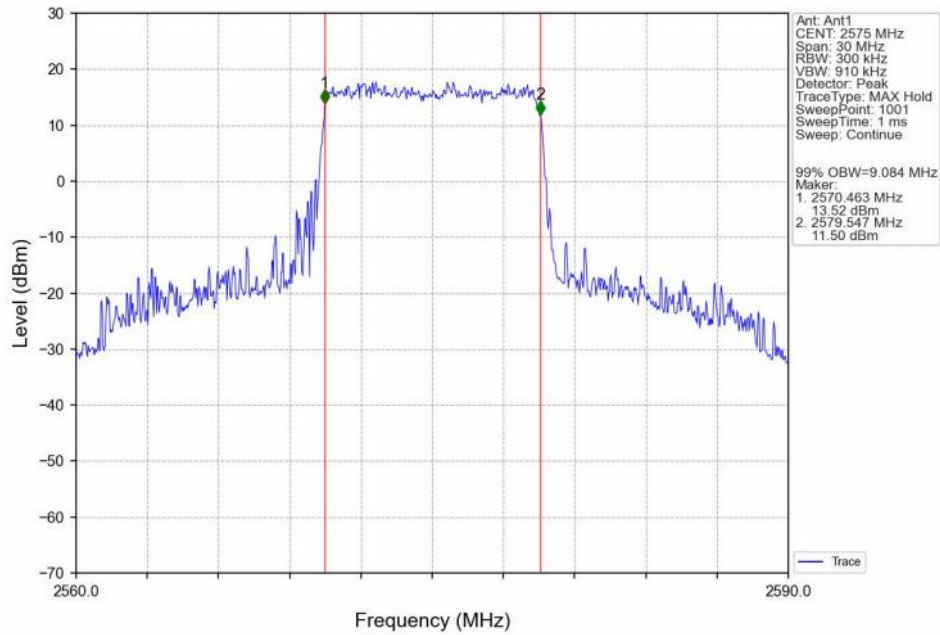
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



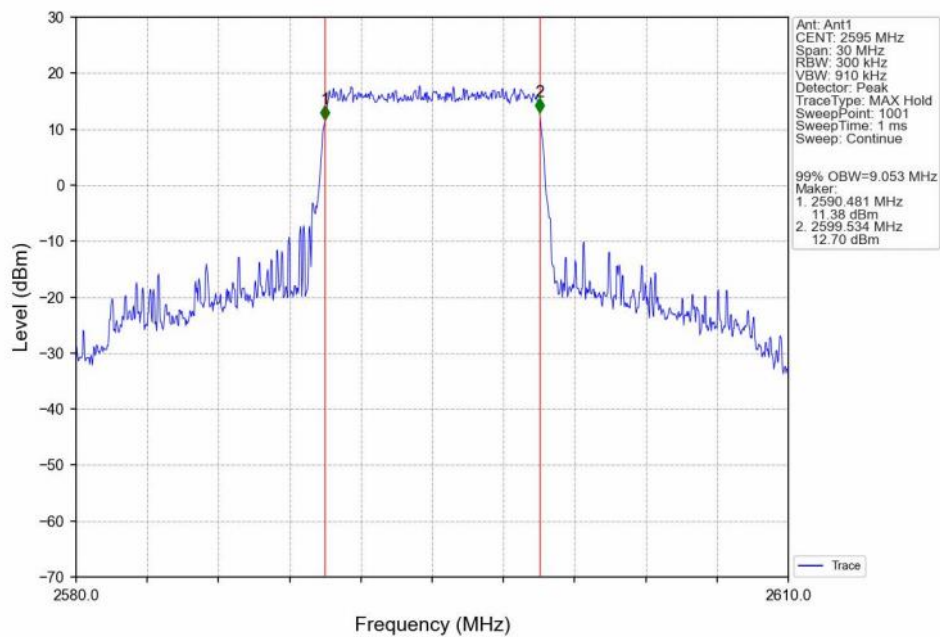
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



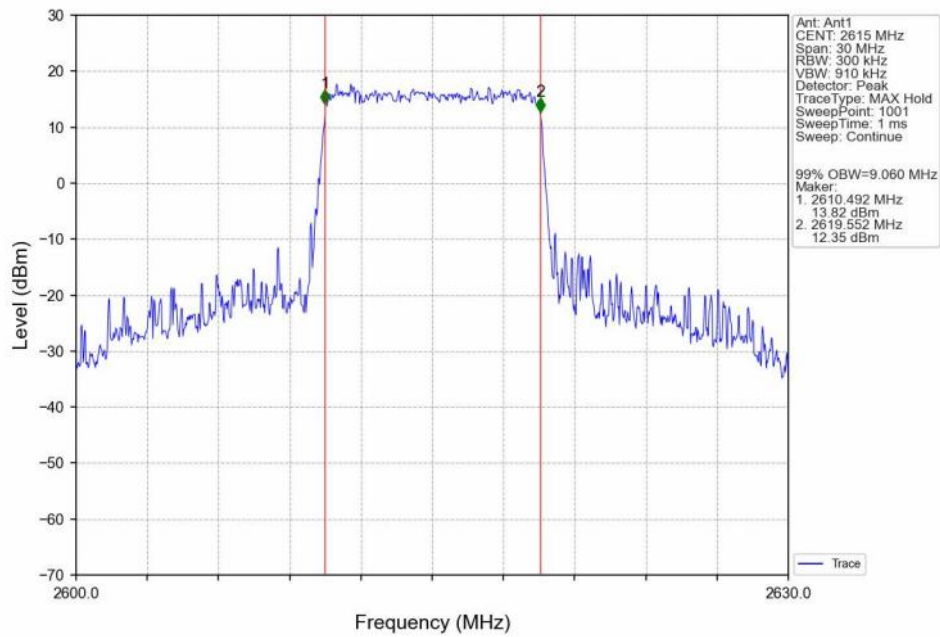
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



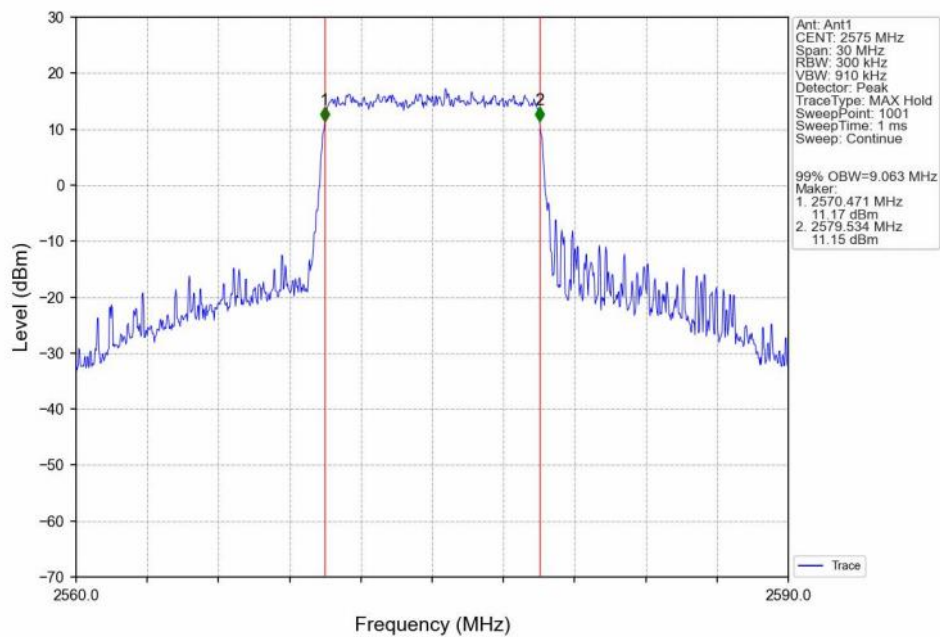
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



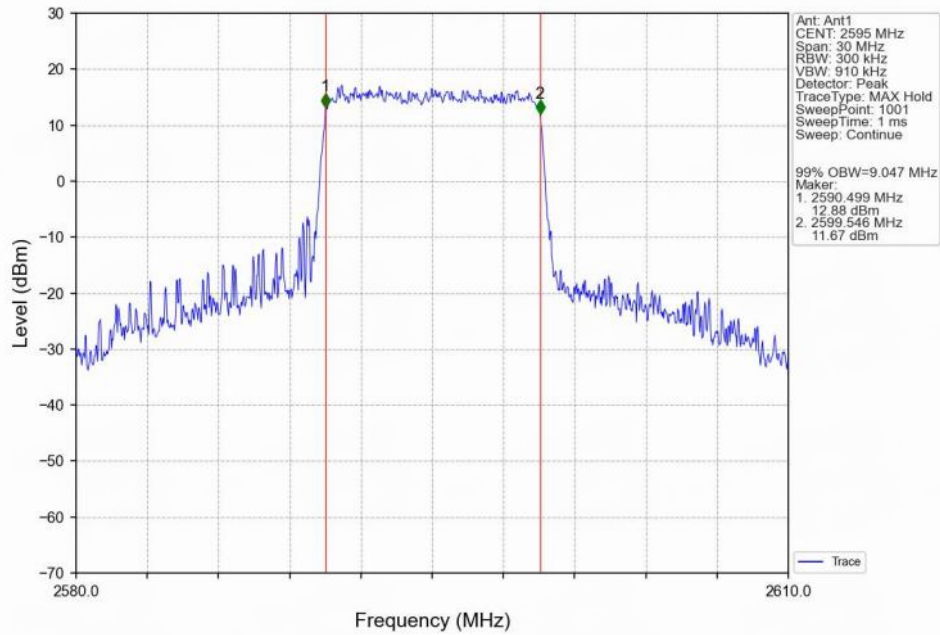
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



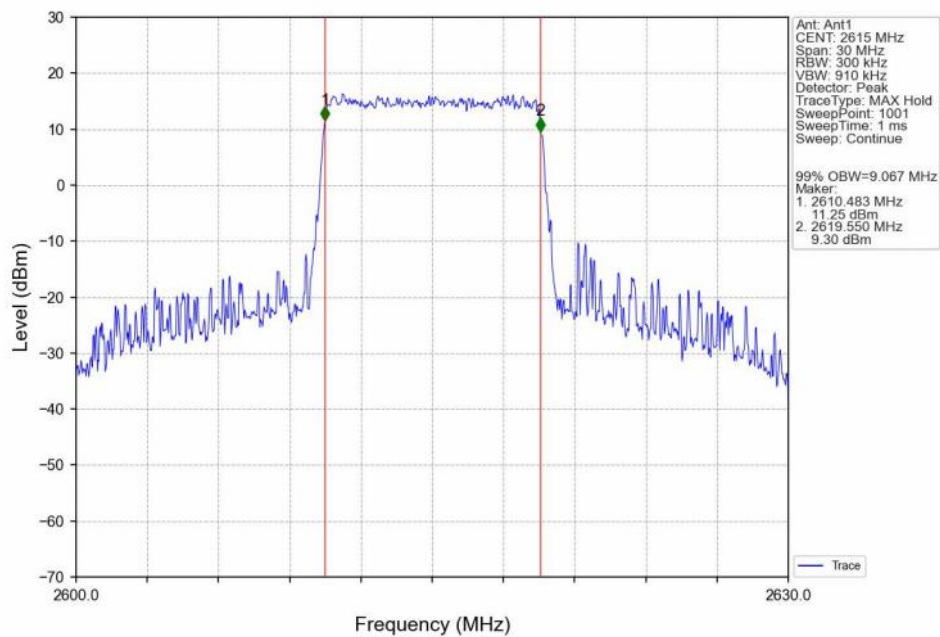
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



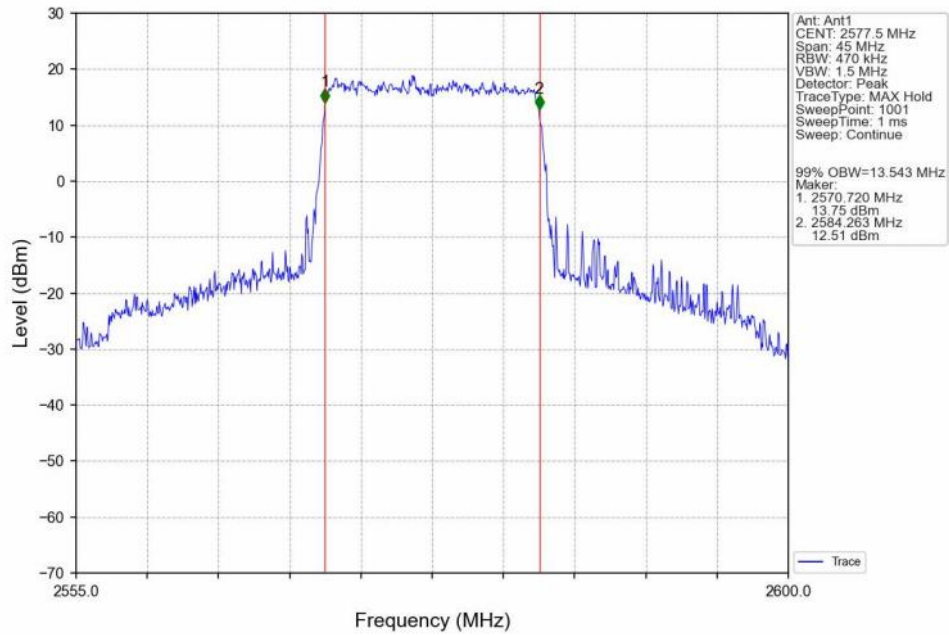
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



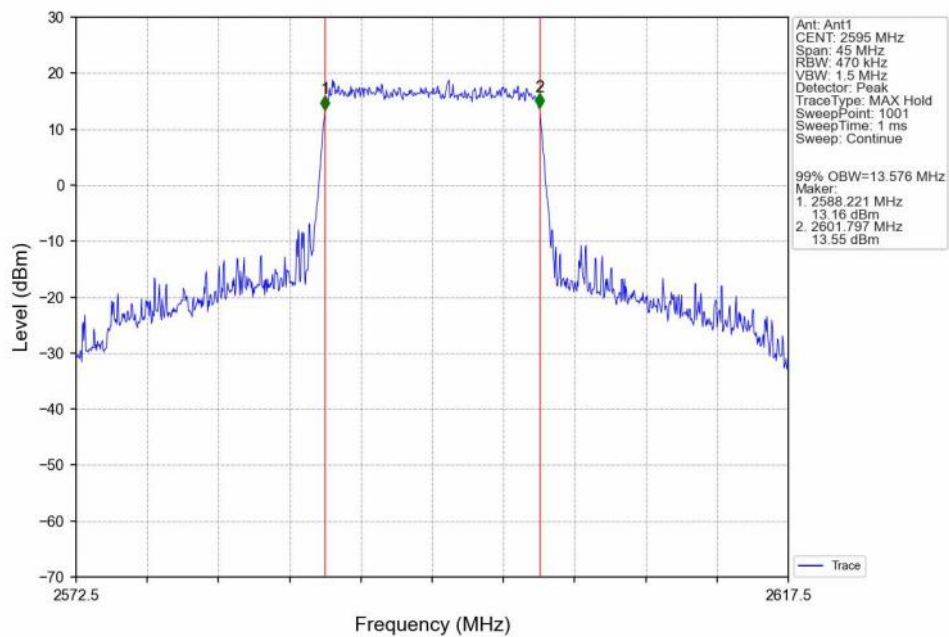
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



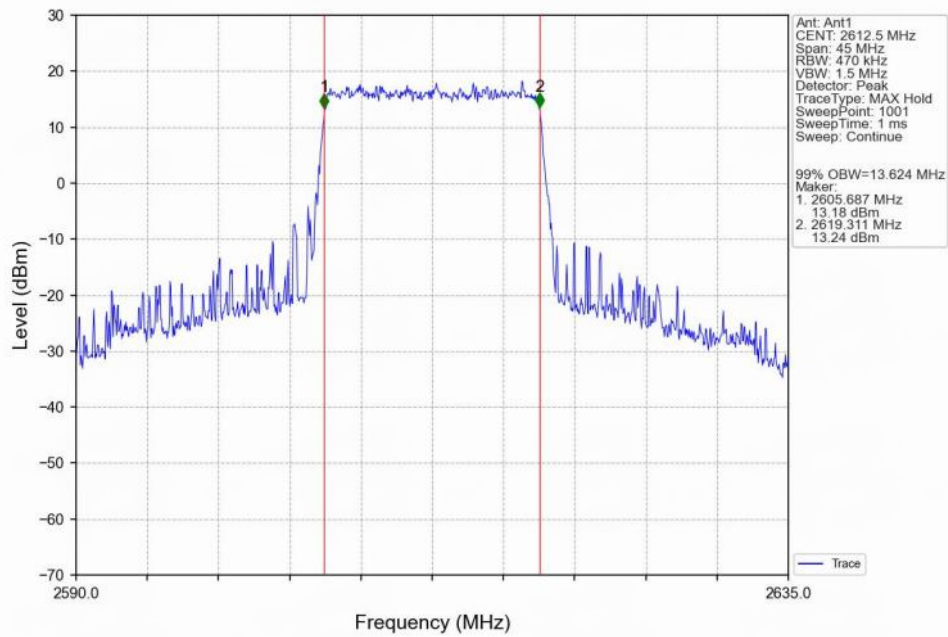
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



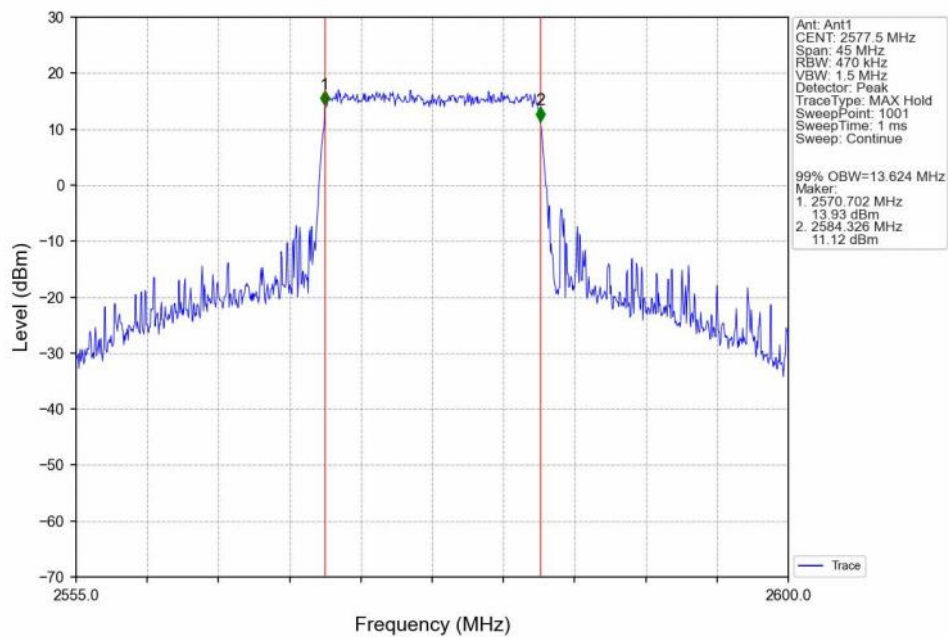
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



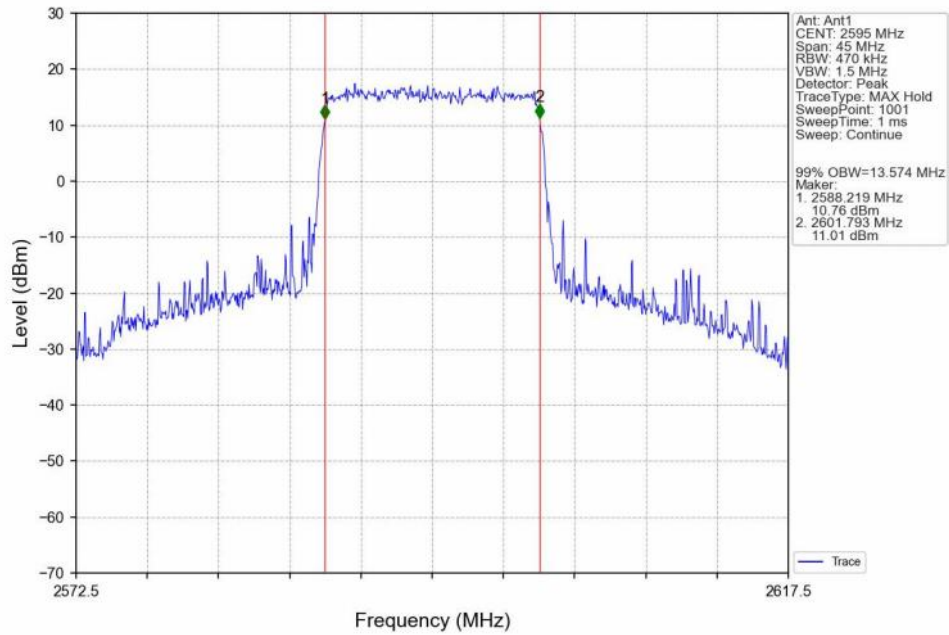
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



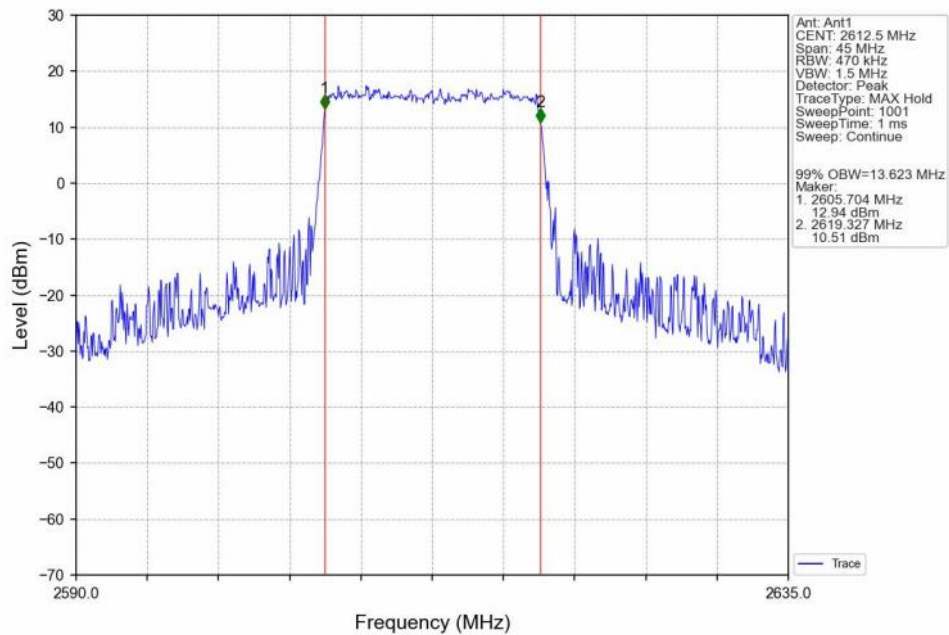
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



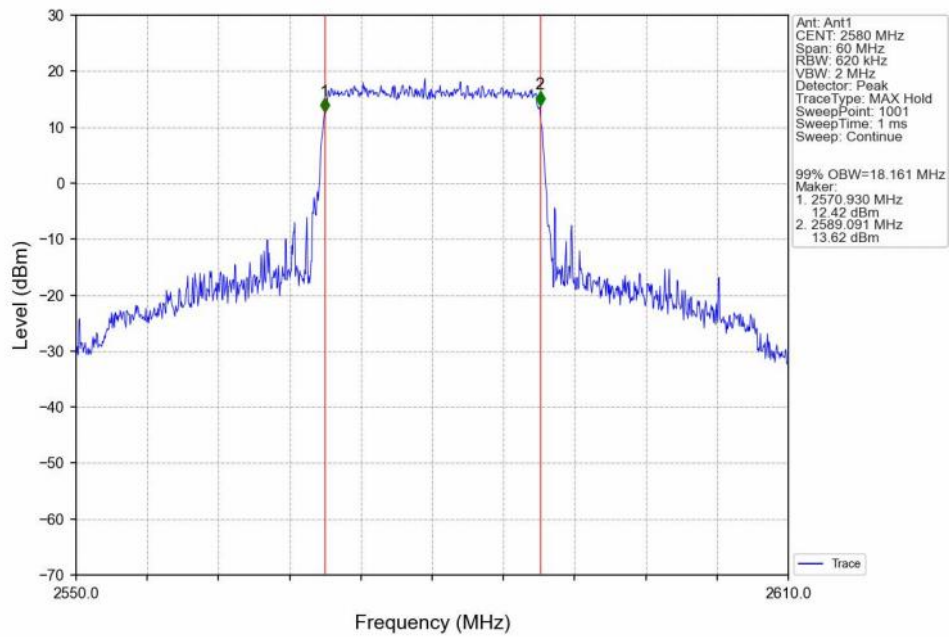
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



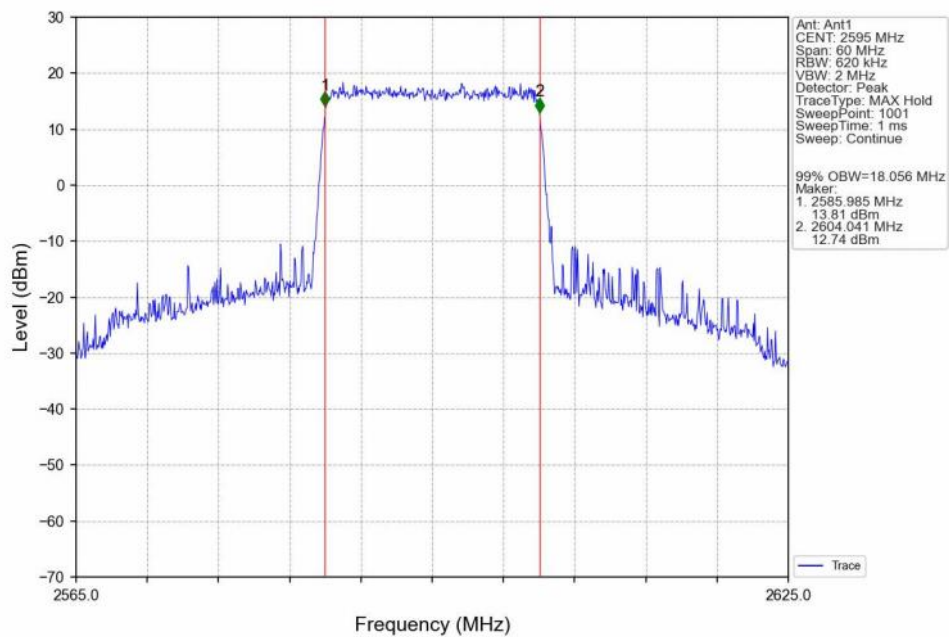
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



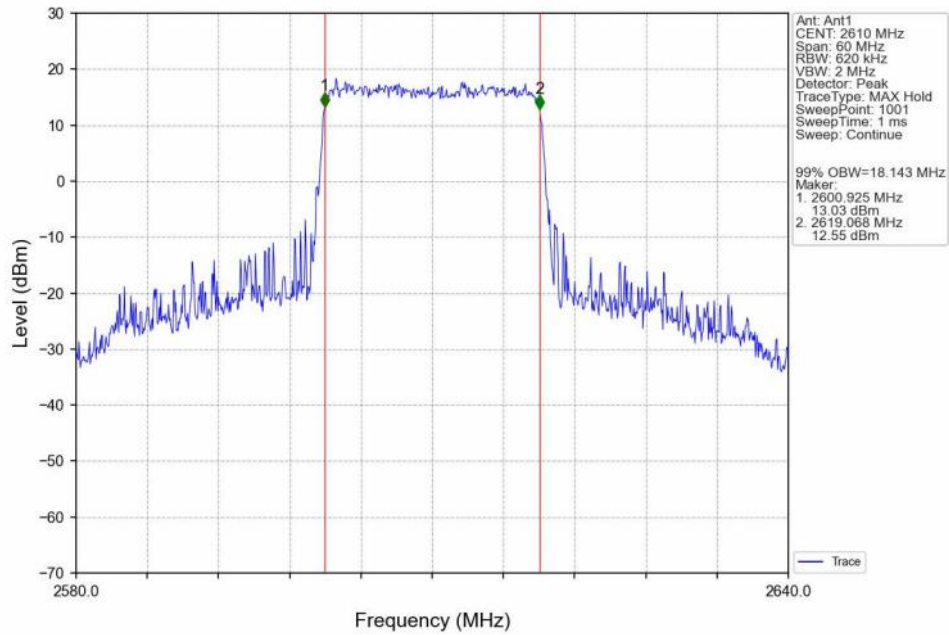
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



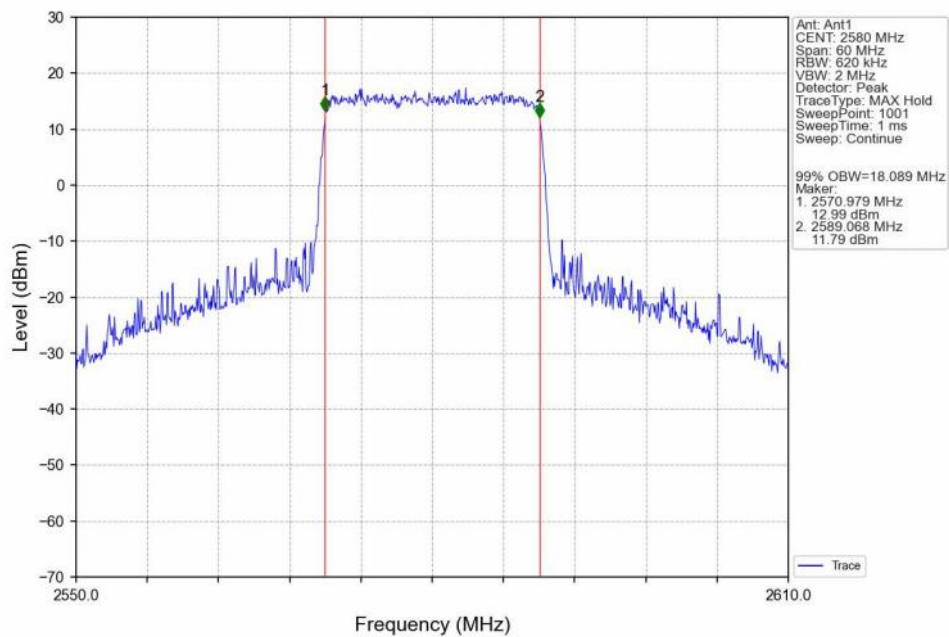
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



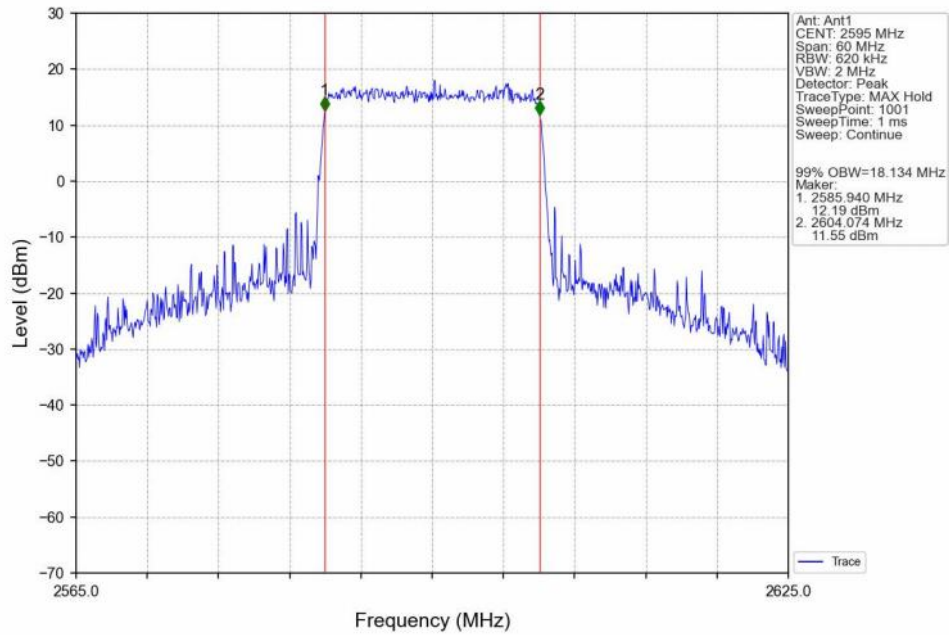
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



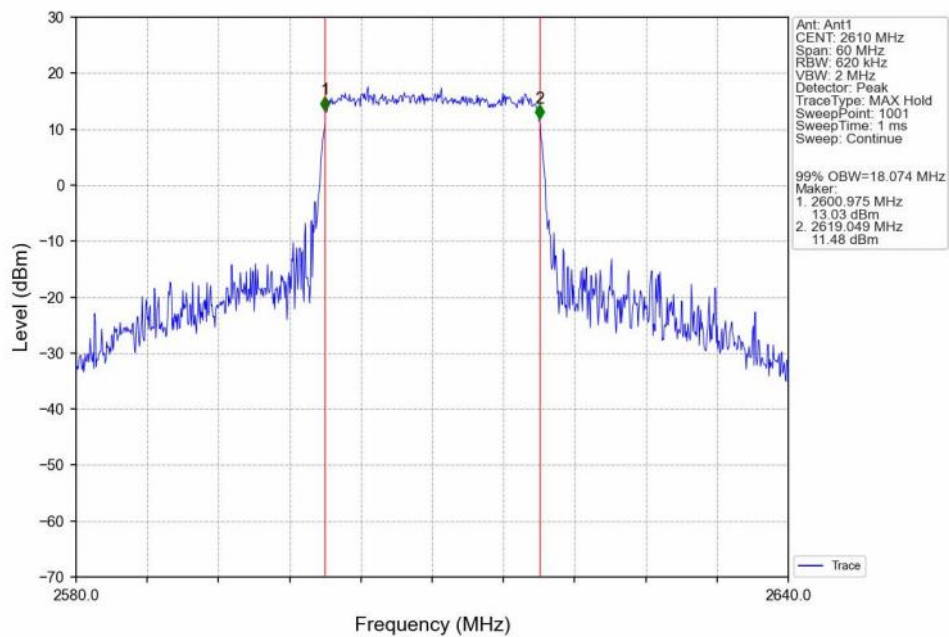
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



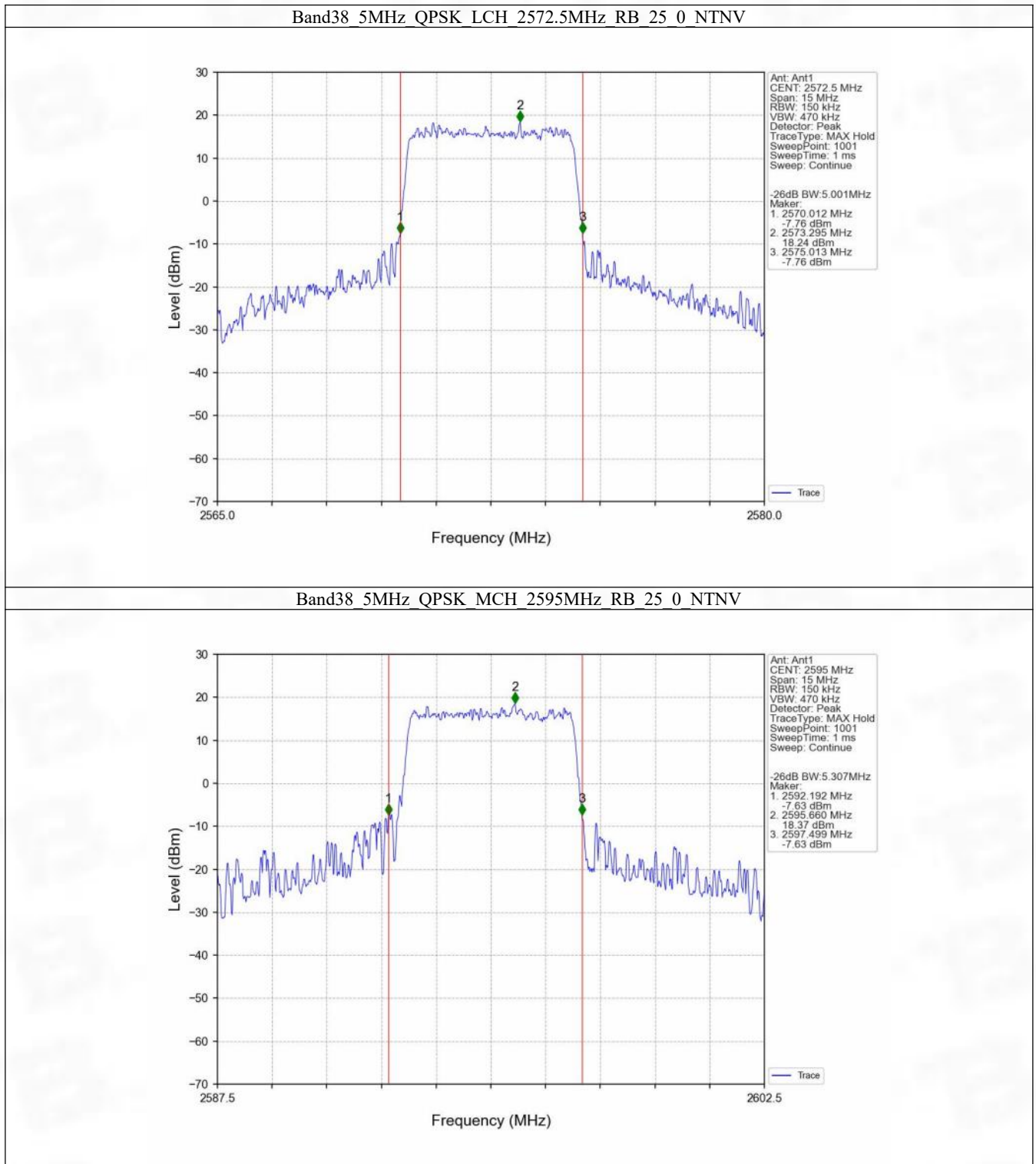
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



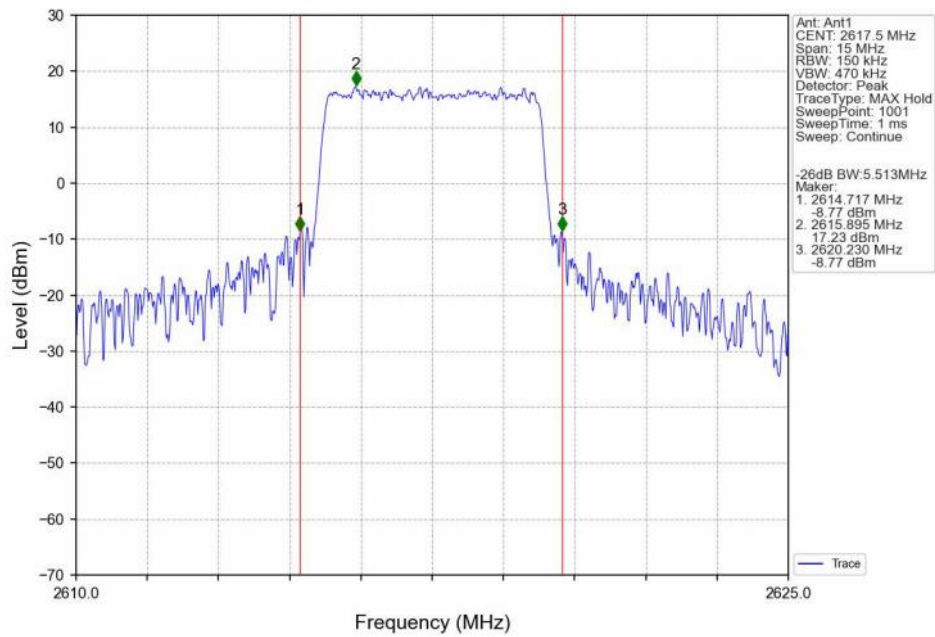
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



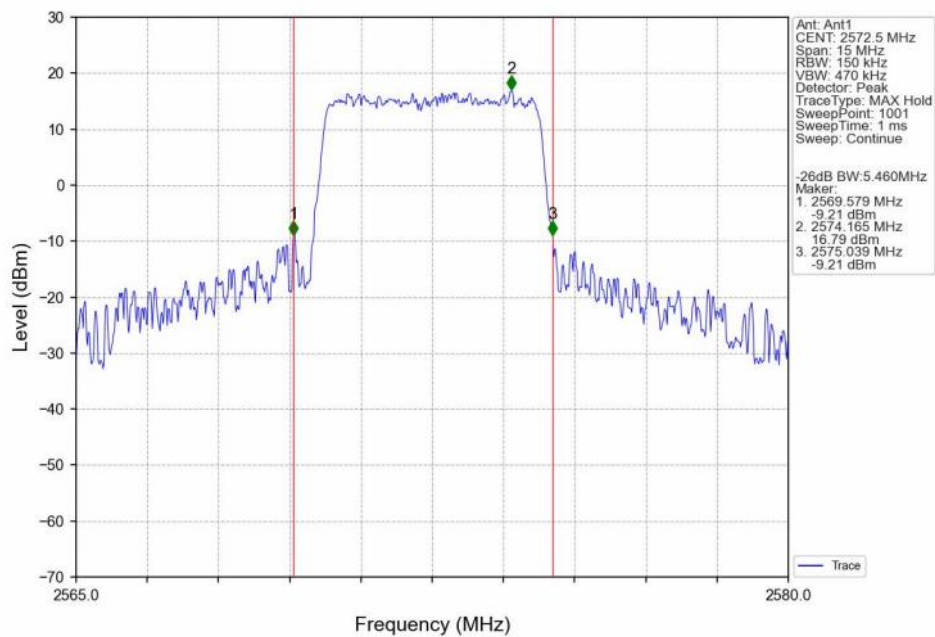
4.2.2 Band38_XDB



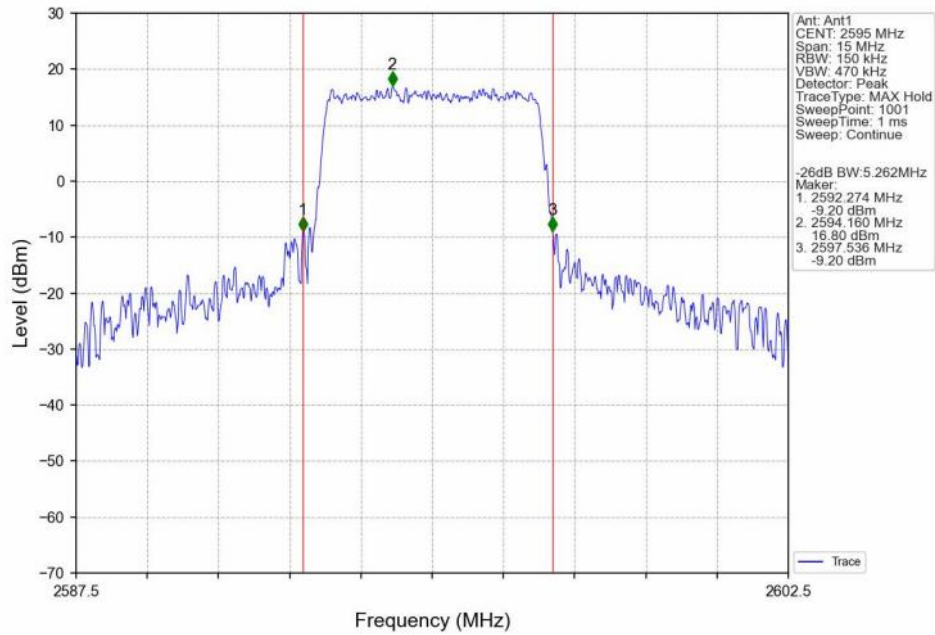
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



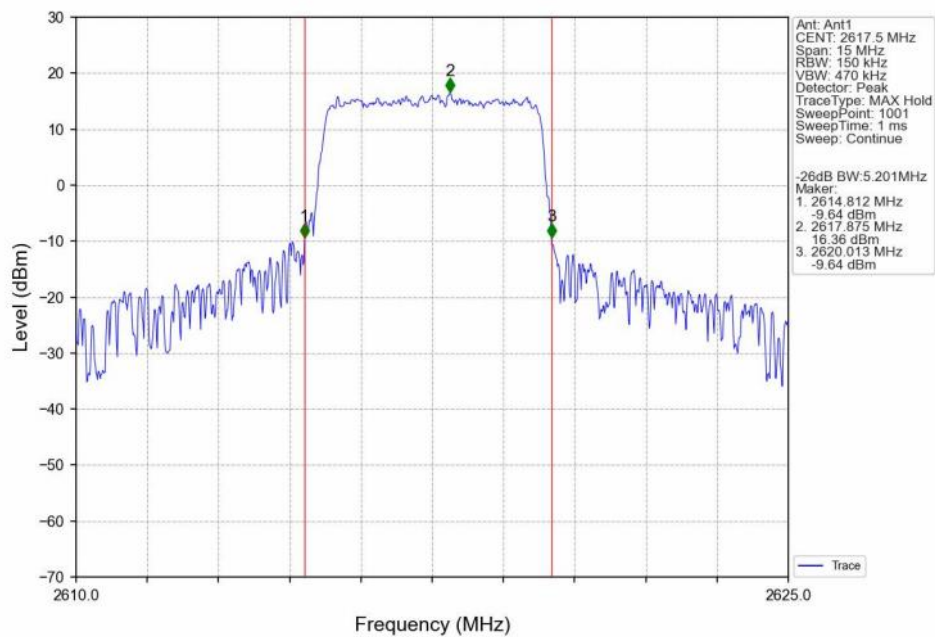
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



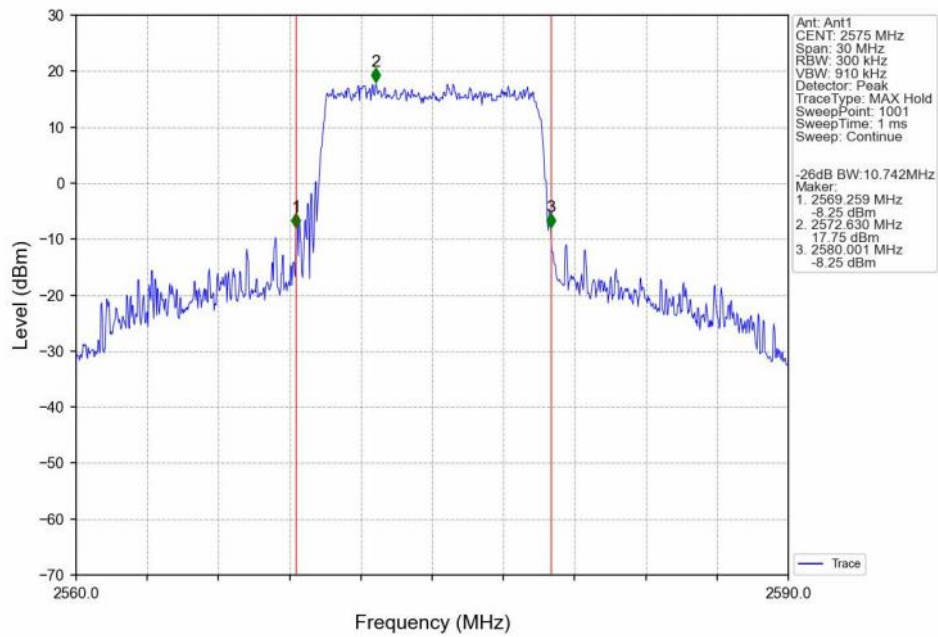
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



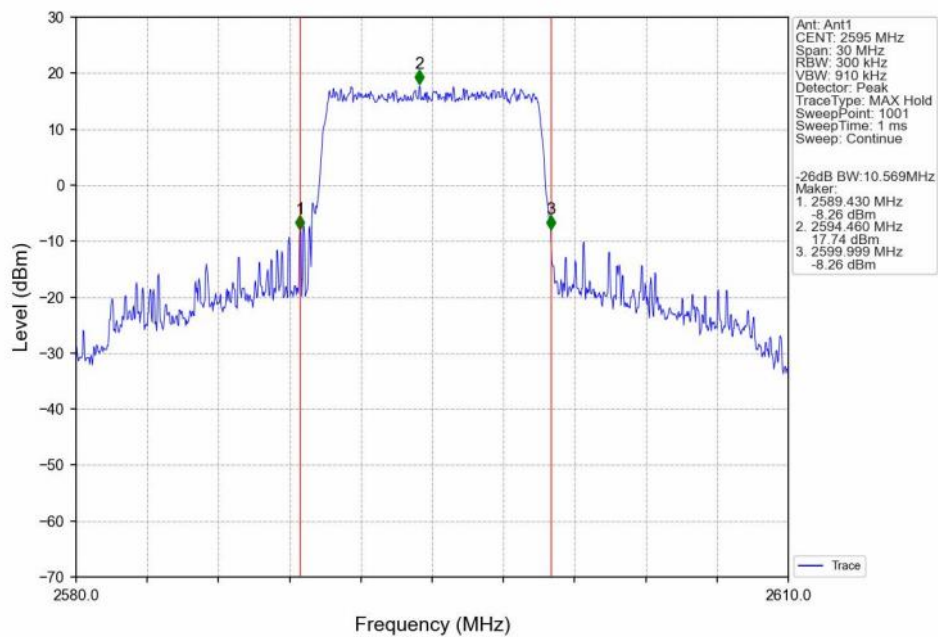
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



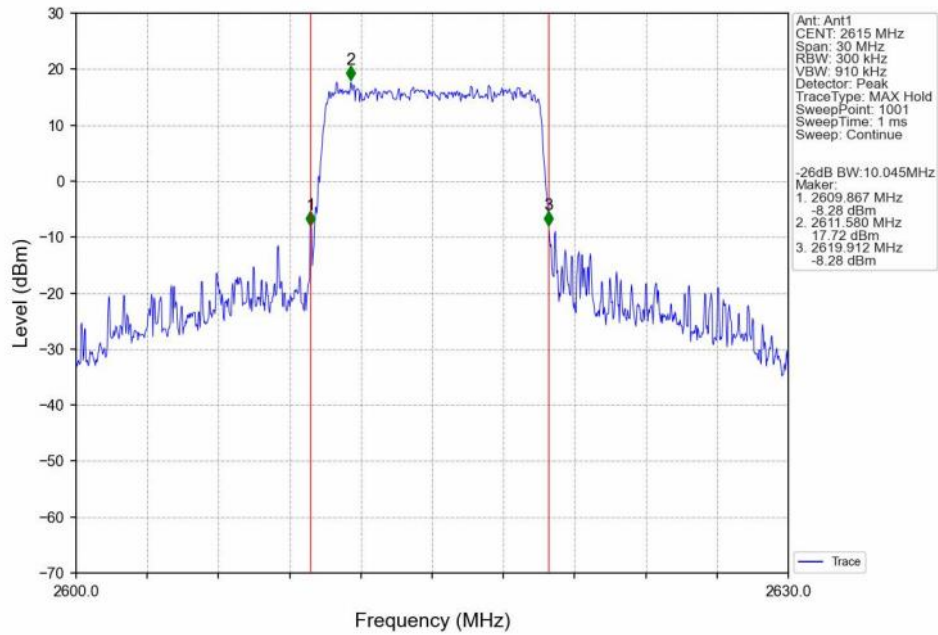
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



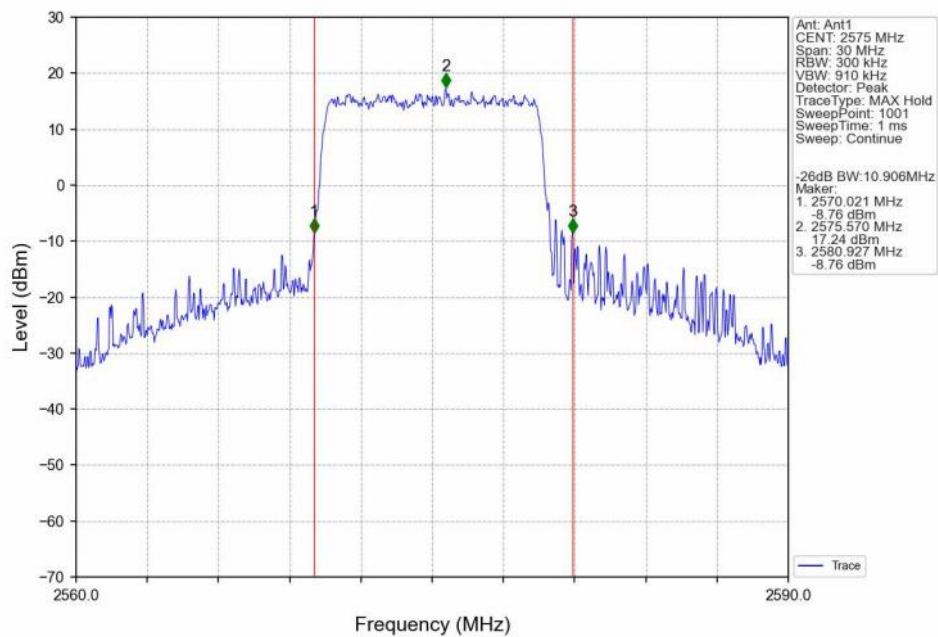
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



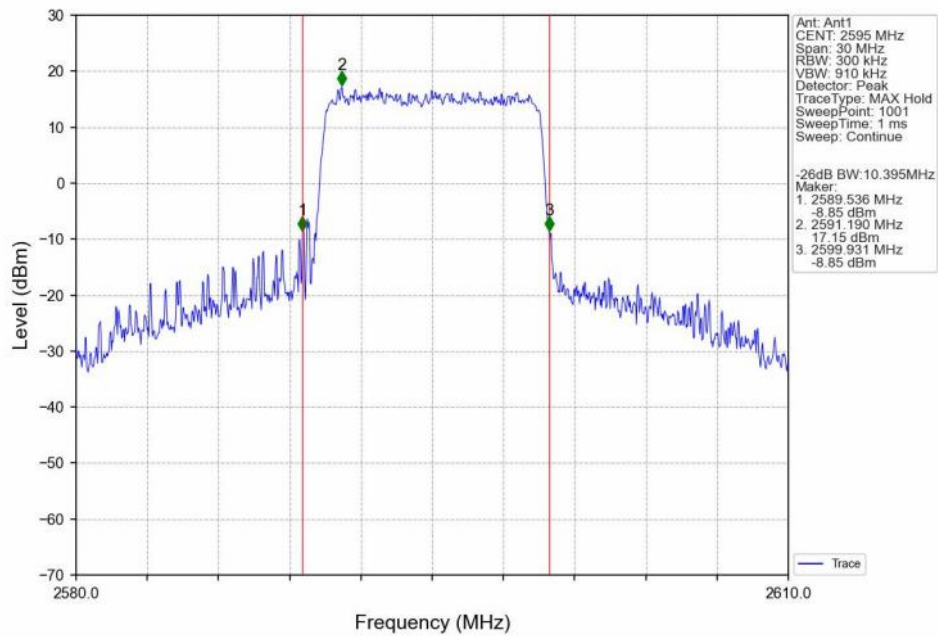
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



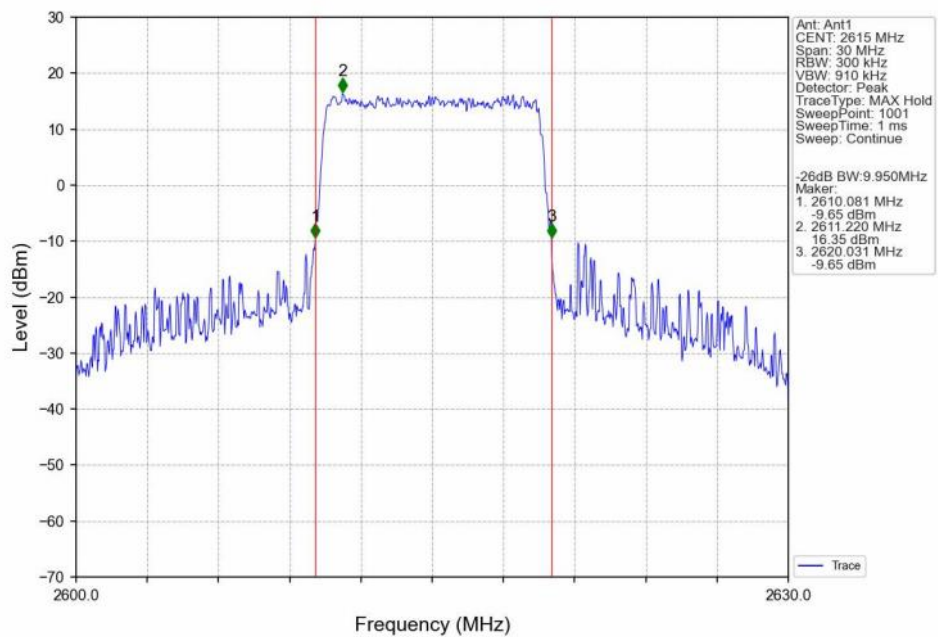
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



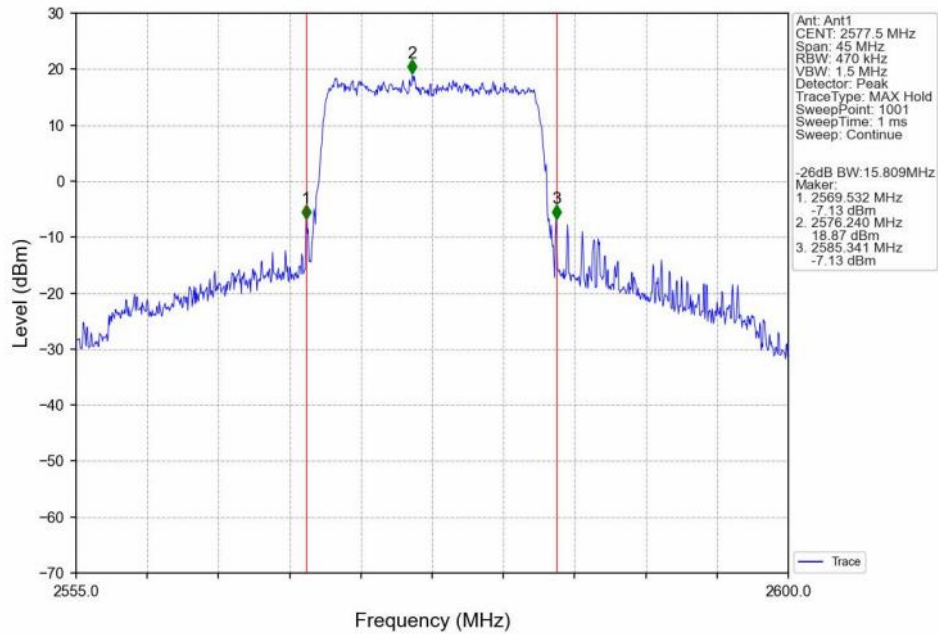
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



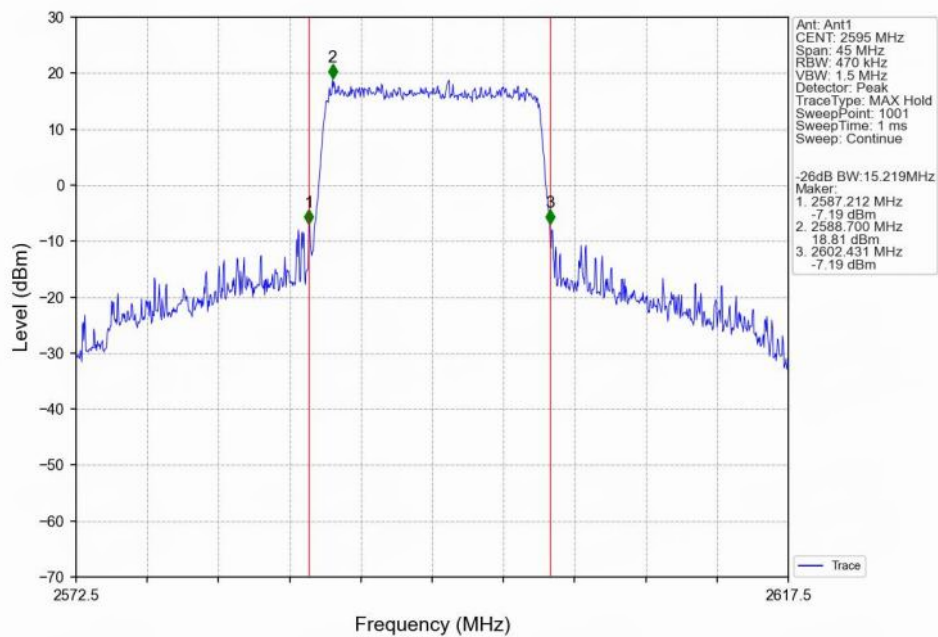
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



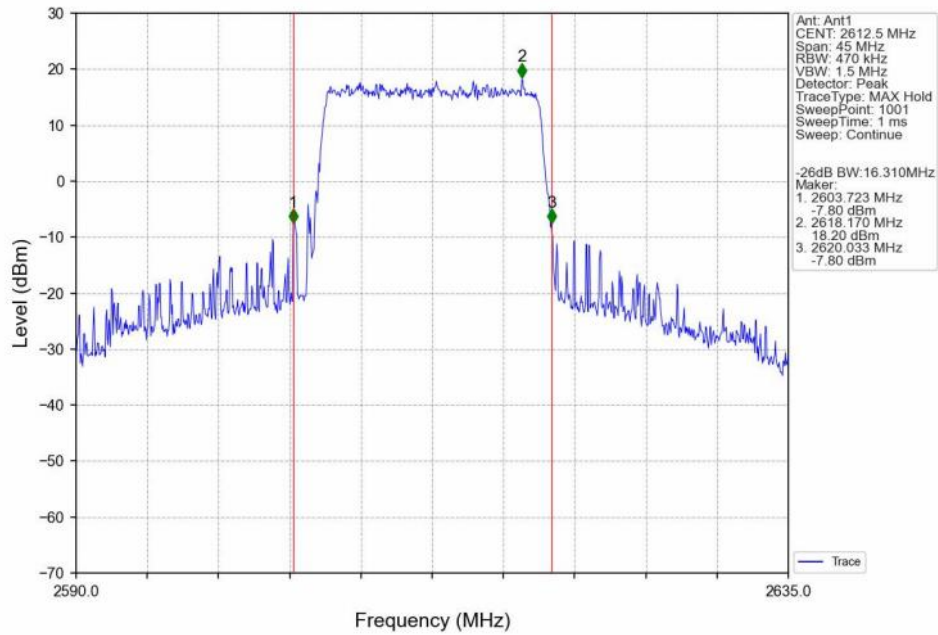
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



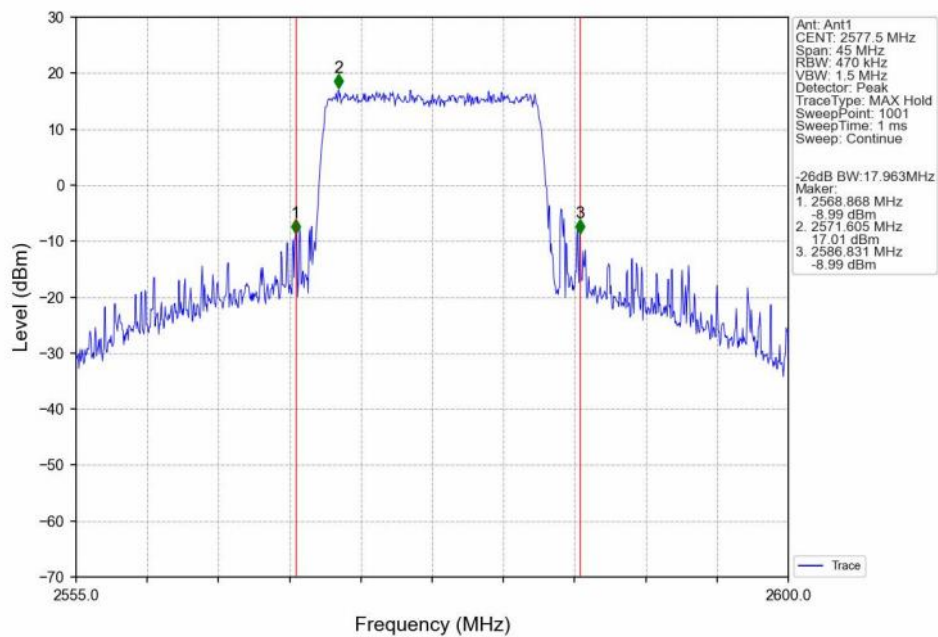
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



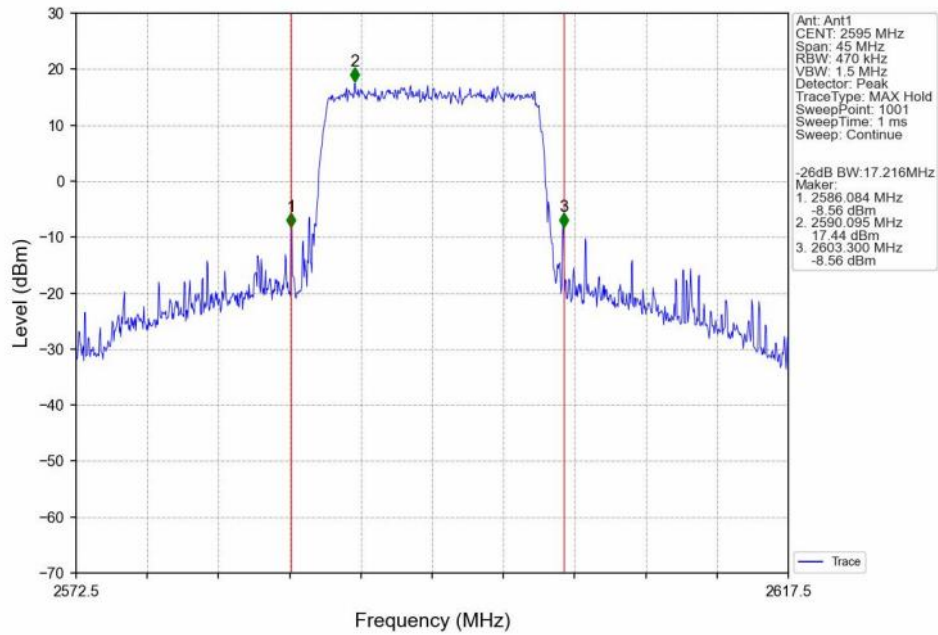
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



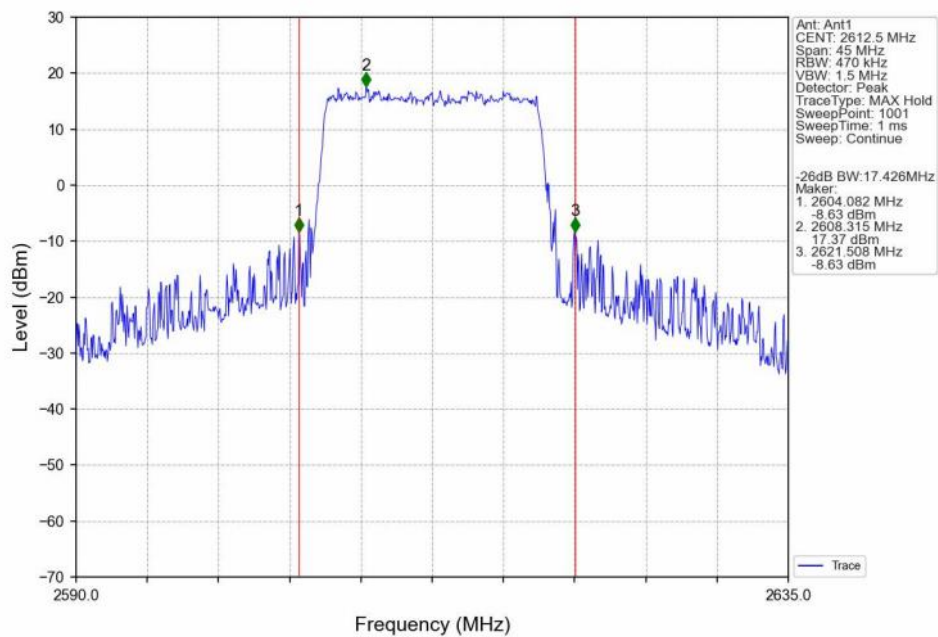
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



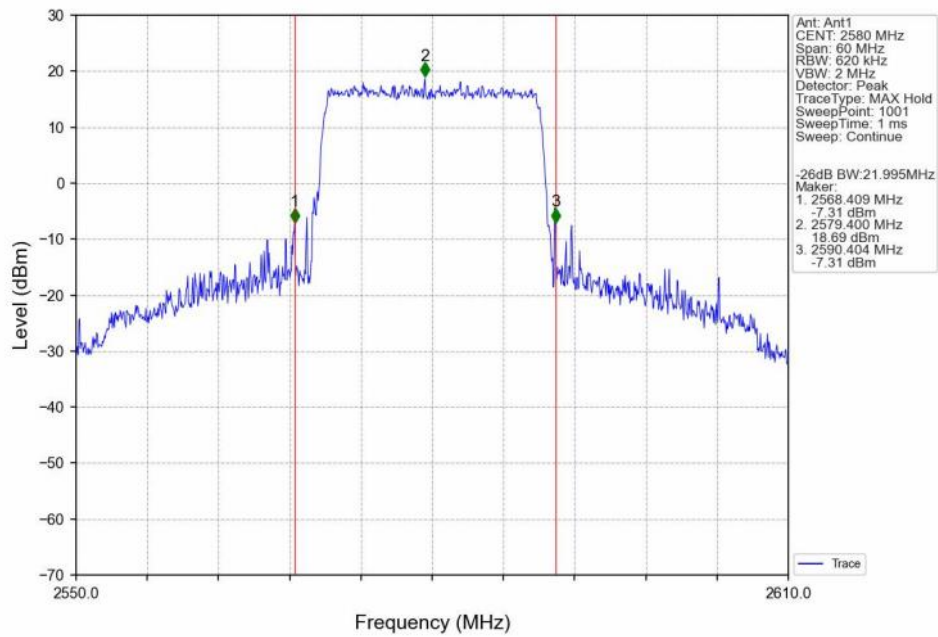
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



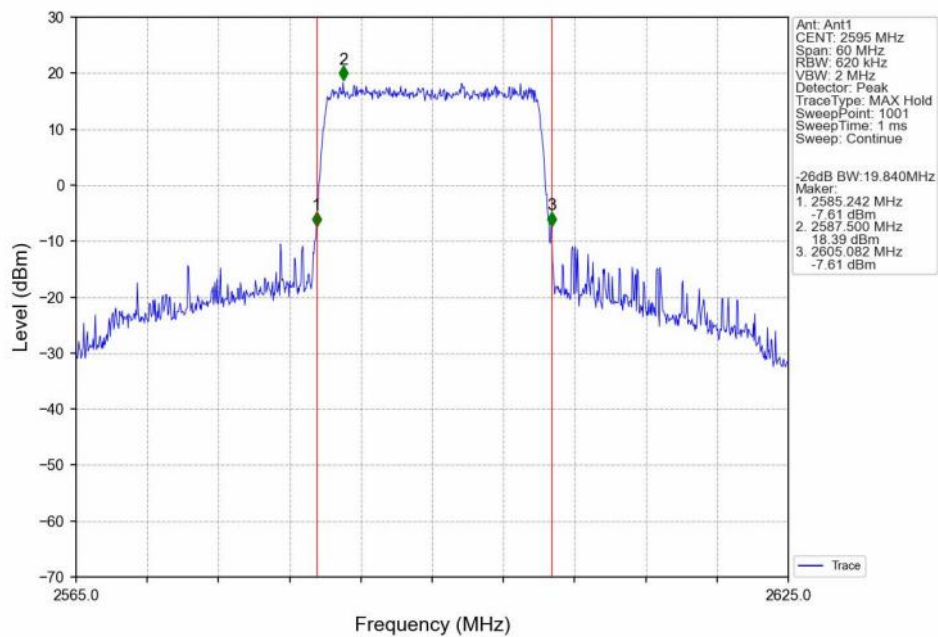
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



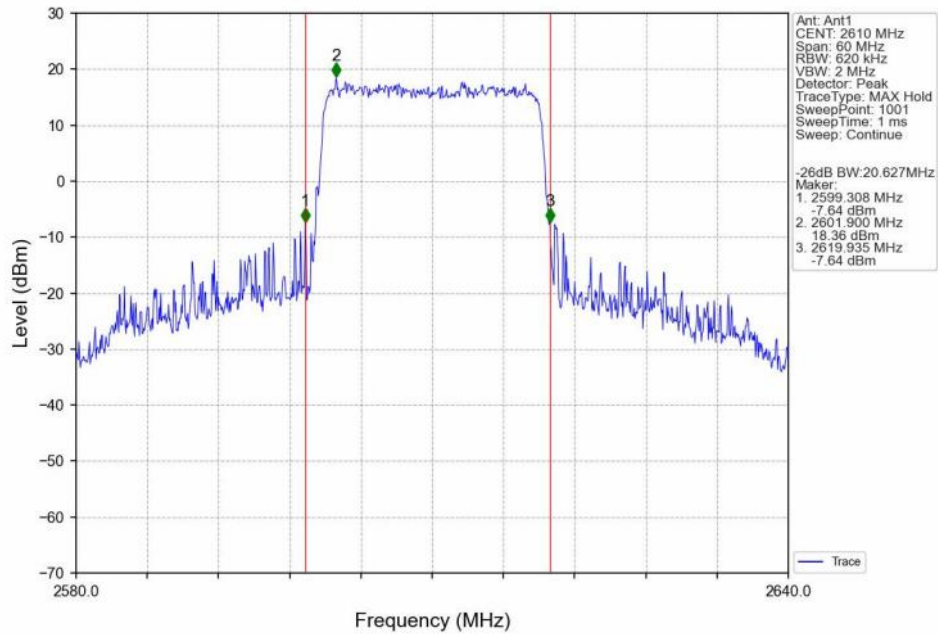
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



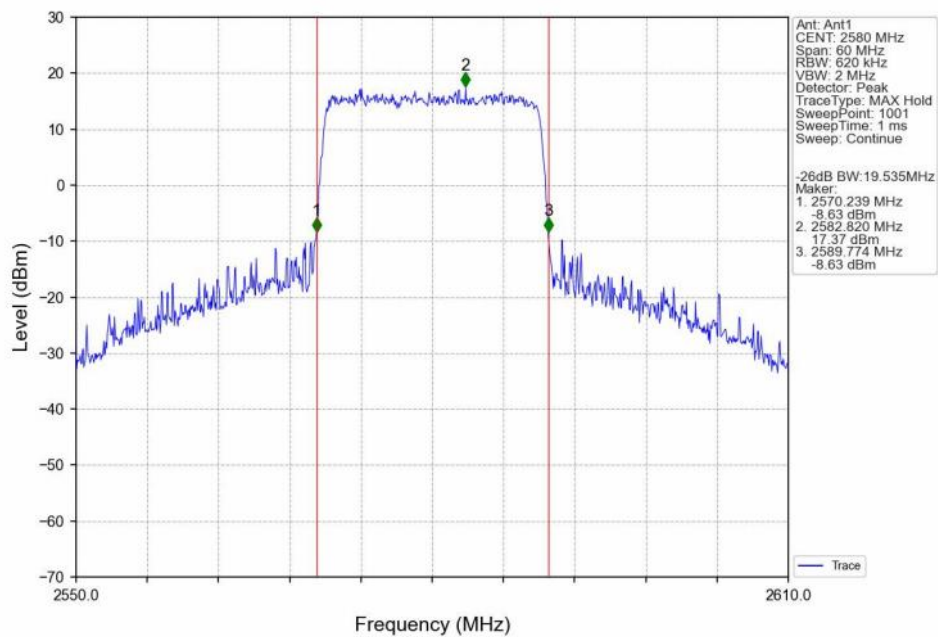
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



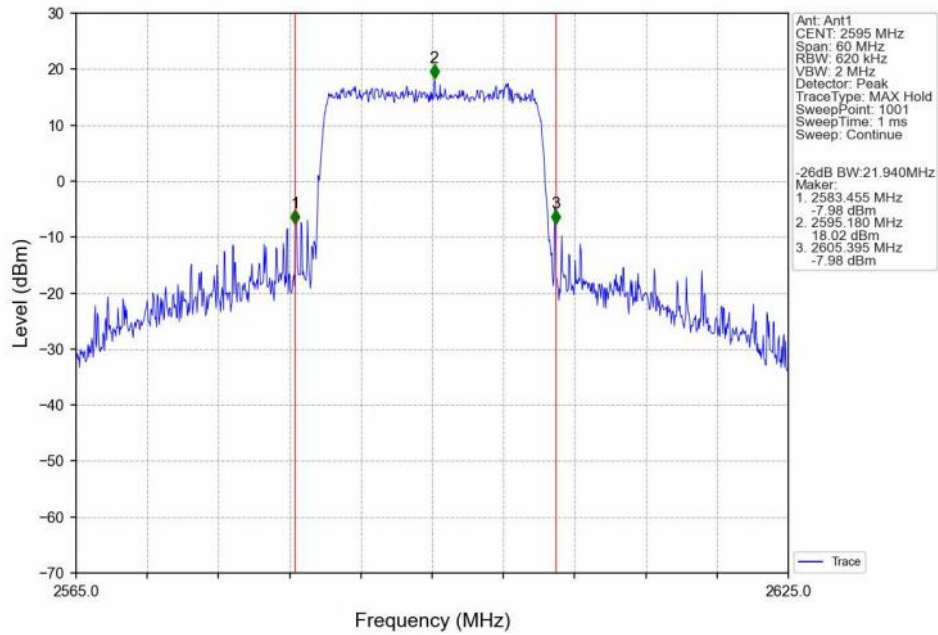
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



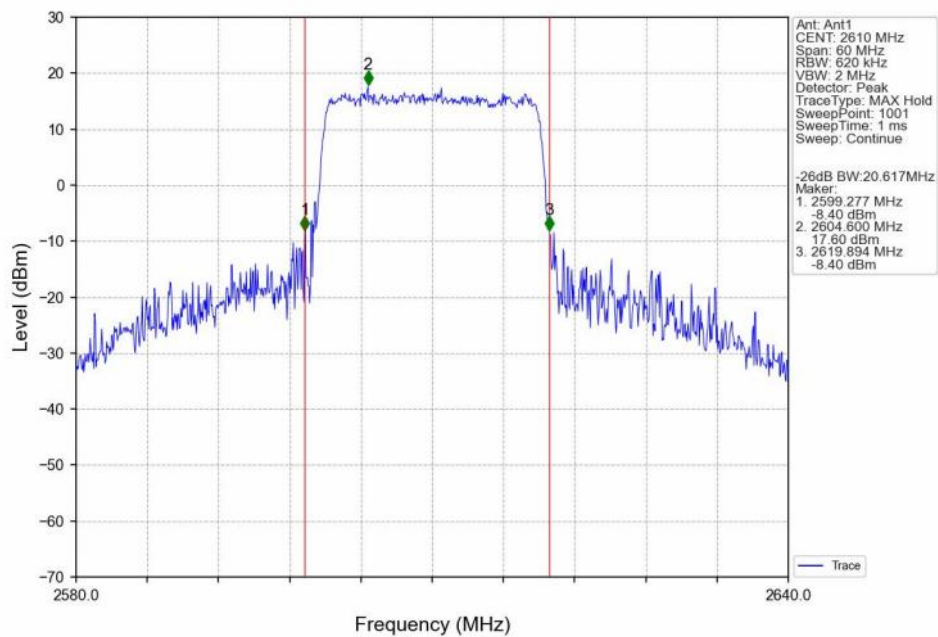
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.18	≤ 13	Pass
	2595	25	0	7.19	≤ 13	Pass
	2617.5	25	0	7.49	≤ 13	Pass
16QAM	2572.5	25	0	7.93	≤ 13	Pass
	2595	25	0	7.94	≤ 13	Pass
	2617.5	25	0	8.11	≤ 13	Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	6.98	≤ 13	Pass
	2595	50	0	7.26	≤ 13	Pass
	2615	50	0	7.43	≤ 13	Pass
16QAM	2575	50	0	7.79	≤ 13	Pass
	2595	50	0	7.90	≤ 13	Pass
	2615	50	0	8.00	≤ 13	Pass

5.1.3 B38_15MHz

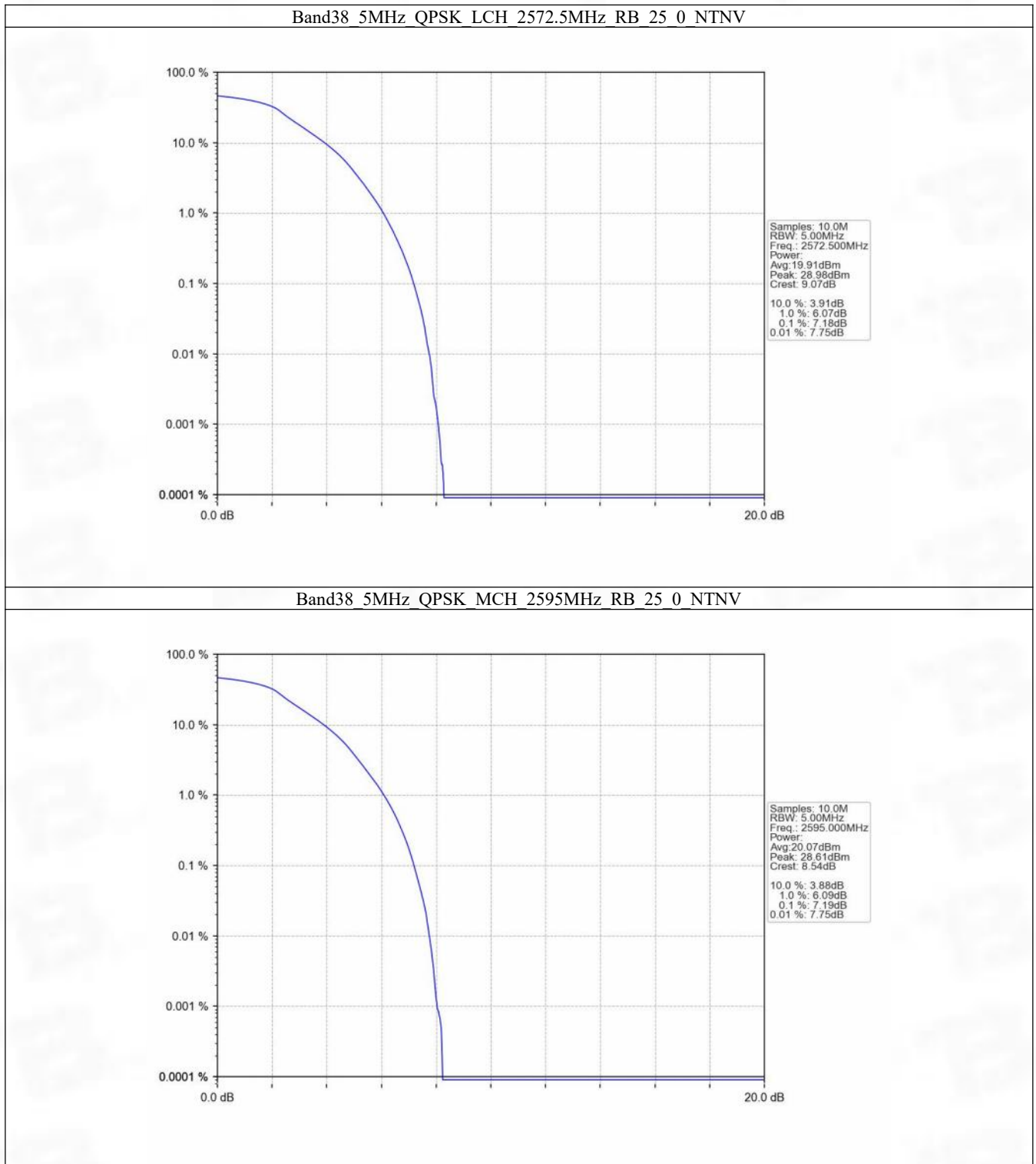
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.00	≤ 13	Pass
	2595	75	0	7.29	≤ 13	Pass
	2612.5	75	0	7.65	≤ 13	Pass
16QAM	2577.5	75	0	7.90	≤ 13	Pass
	2595	75	0	7.79	≤ 13	Pass
	2612.5	75	0	8.12	≤ 13	Pass

5.1.4 B38_20MHz

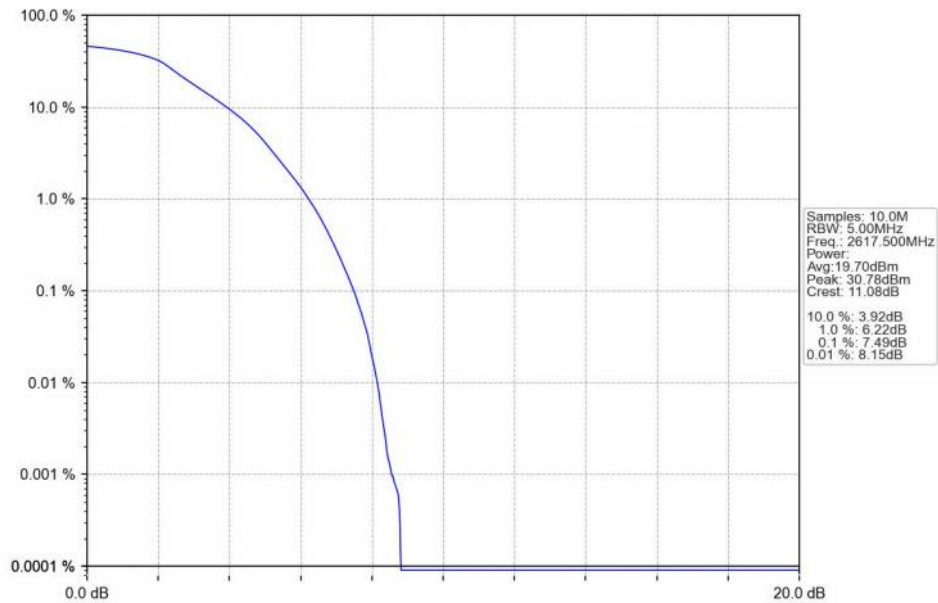
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.32	≤ 13	Pass
	2595	100	0	7.33	≤ 13	Pass
	2610	100	0	7.43	≤ 13	Pass
16QAM	2580	100	0	7.90	≤ 13	Pass
	2595	100	0	7.78	≤ 13	Pass
	2610	100	0	8.18	≤ 13	Pass

5.2 Test Graph

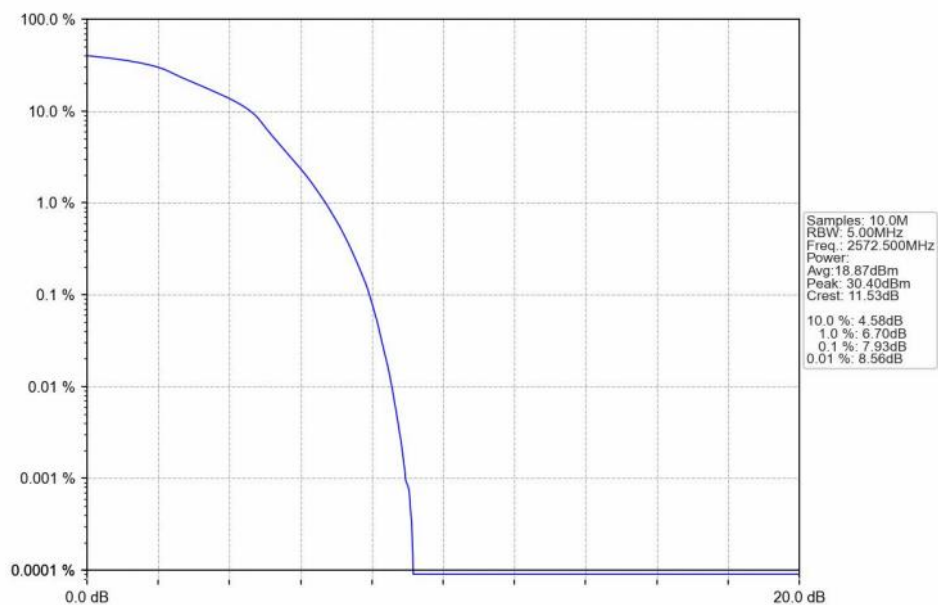
5.2.1 B38_5MHz



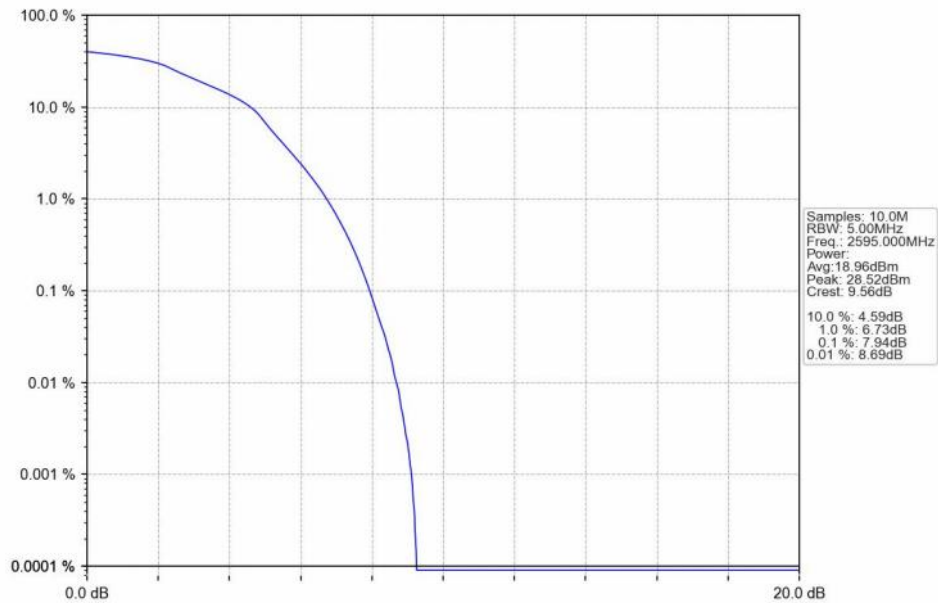
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



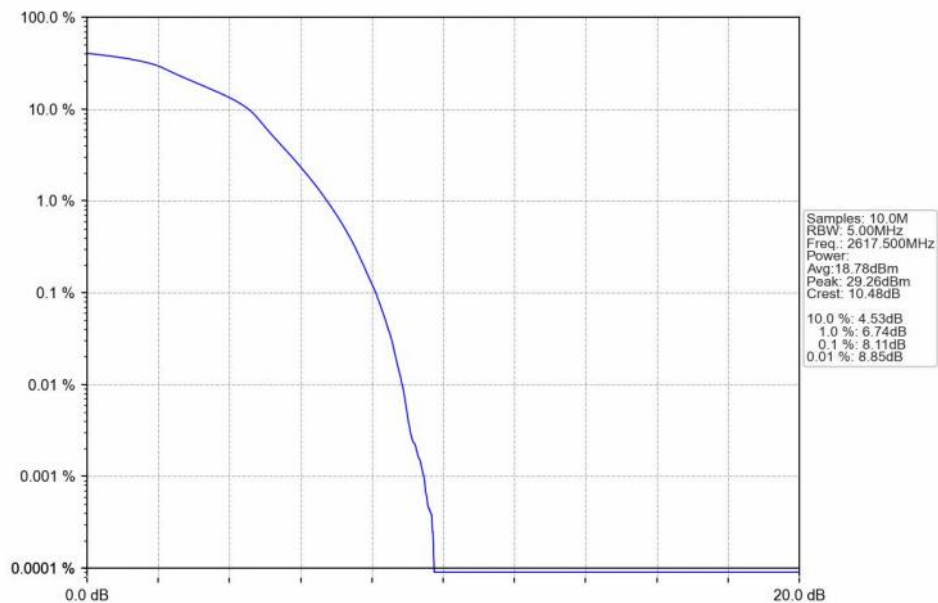
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



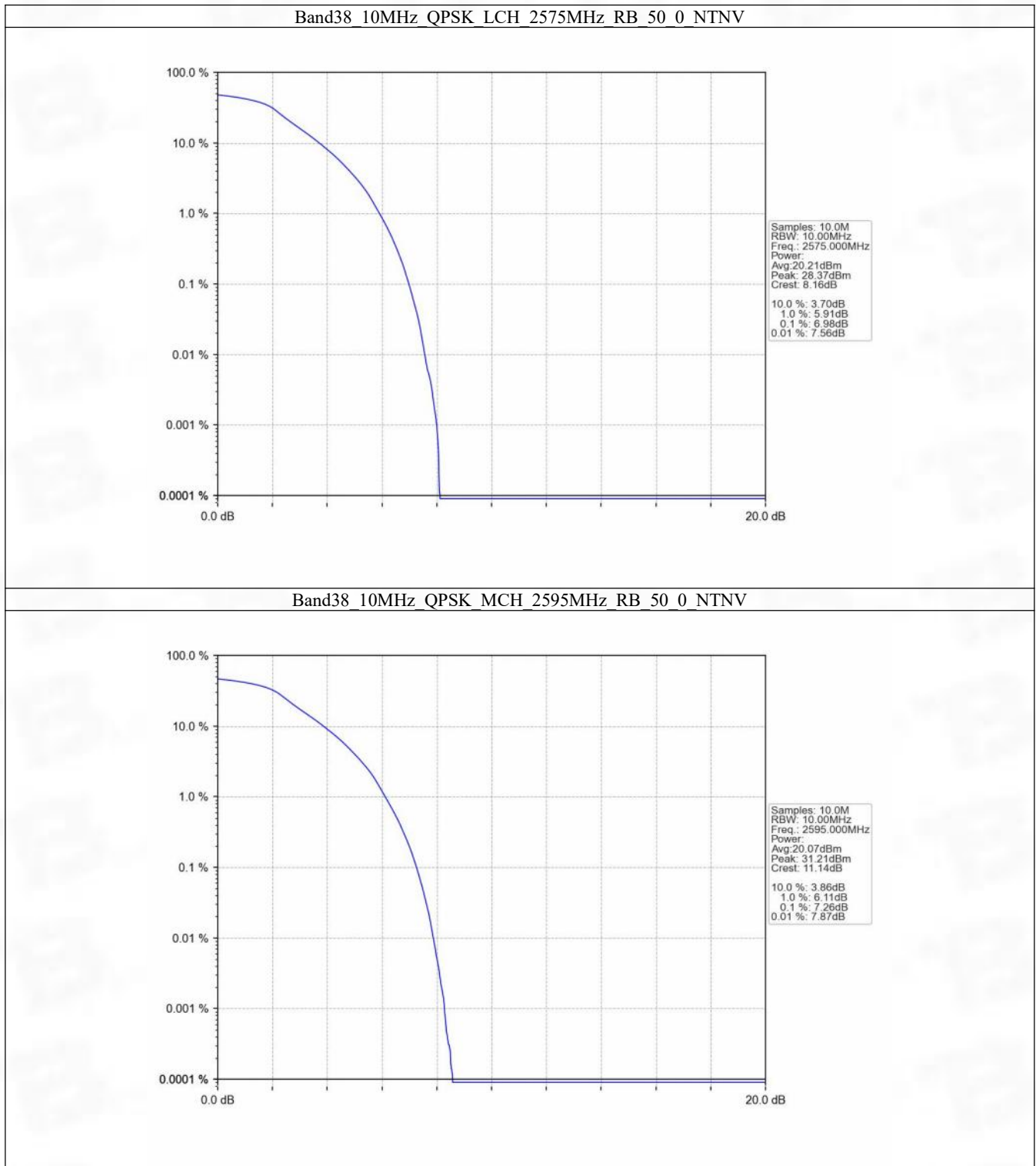
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



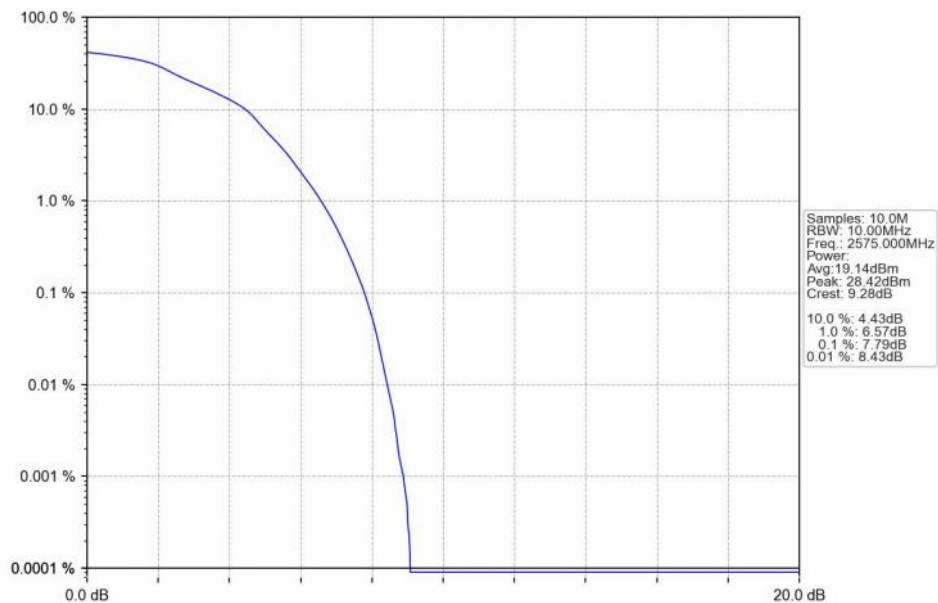
5.2.2 B38_10MHz



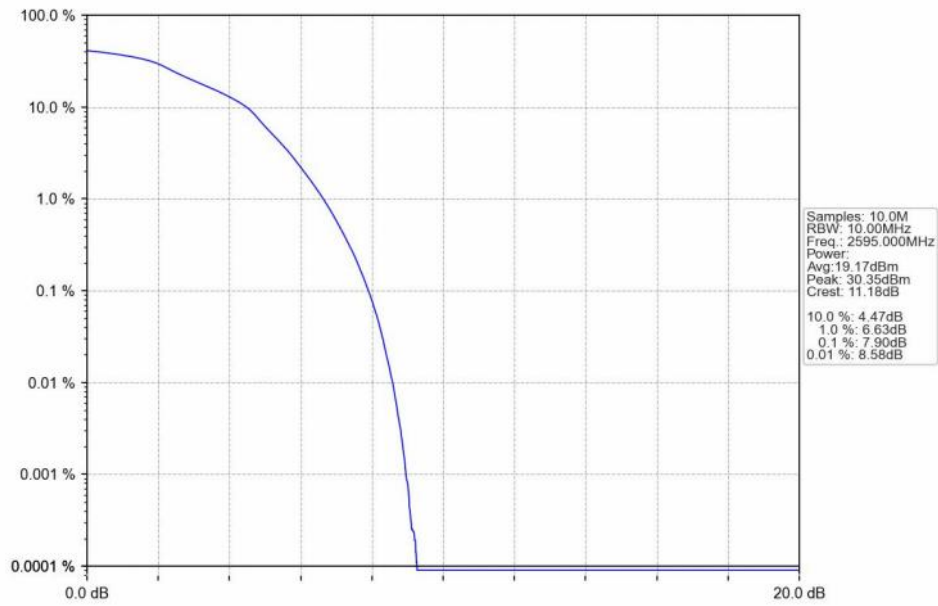
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



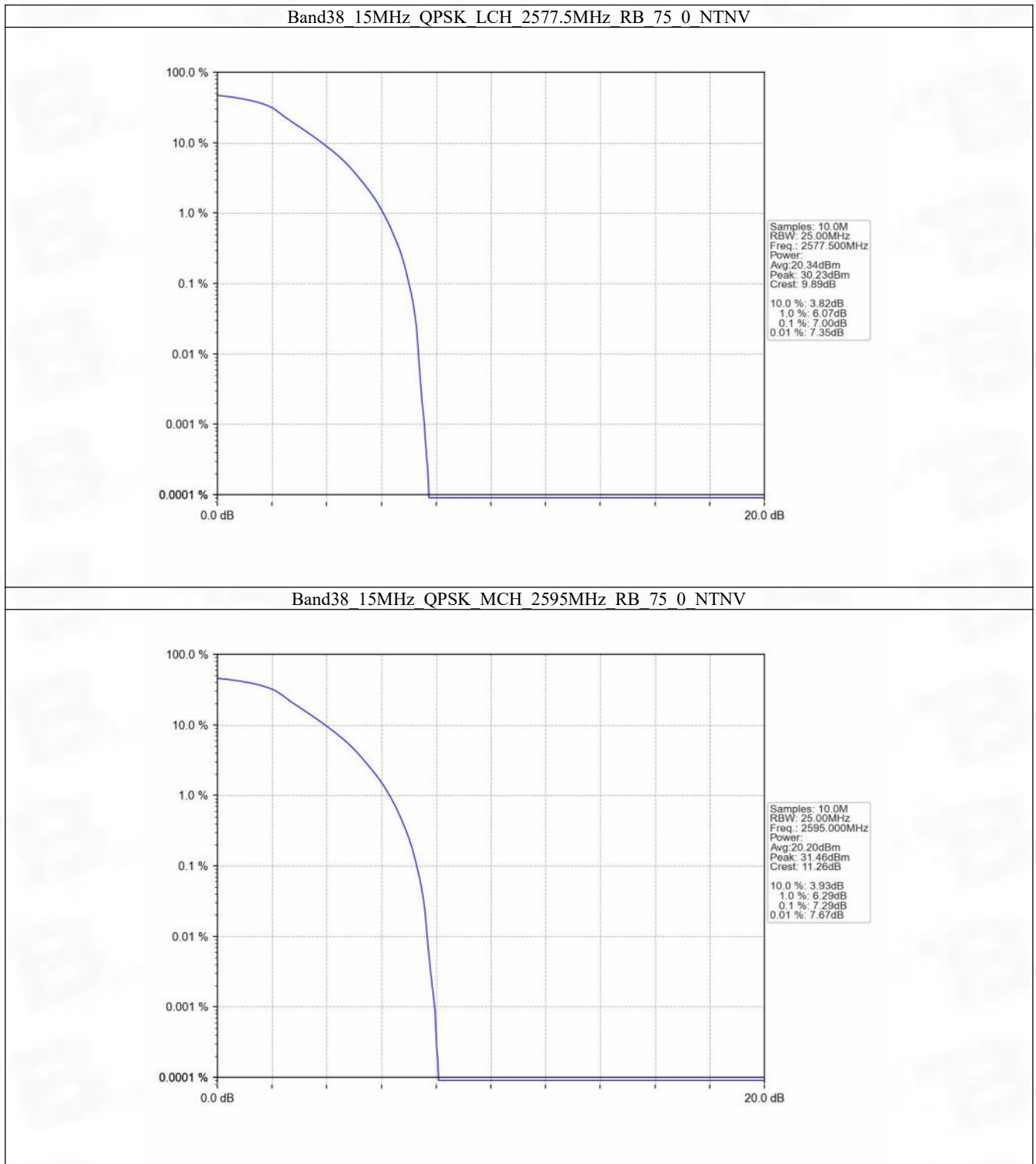
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



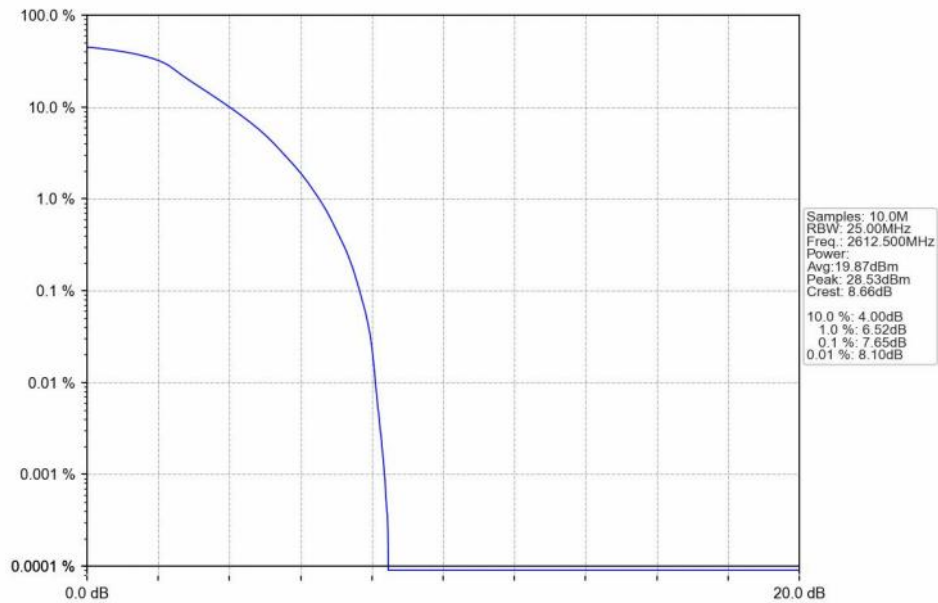
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



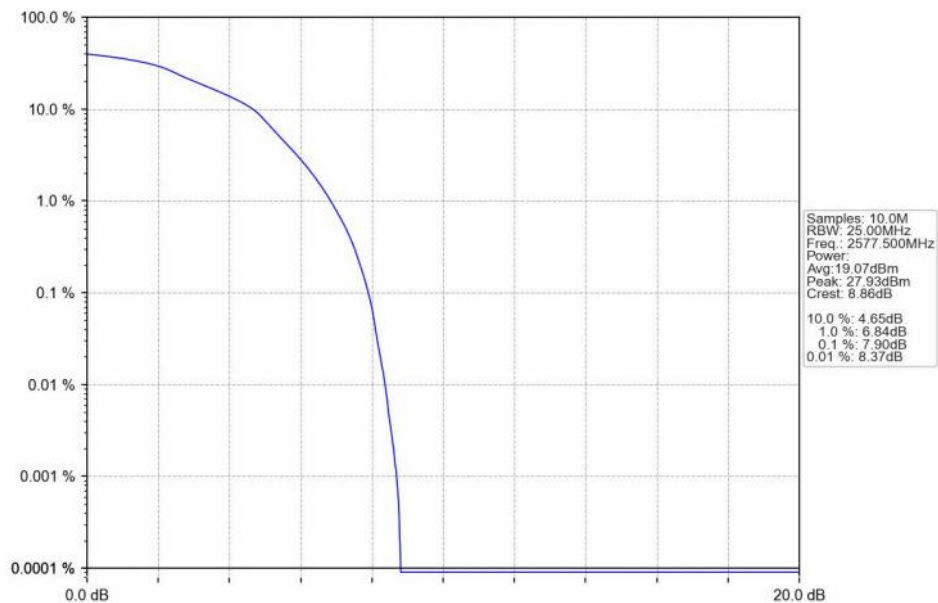
5.2.3 B38_15MHz



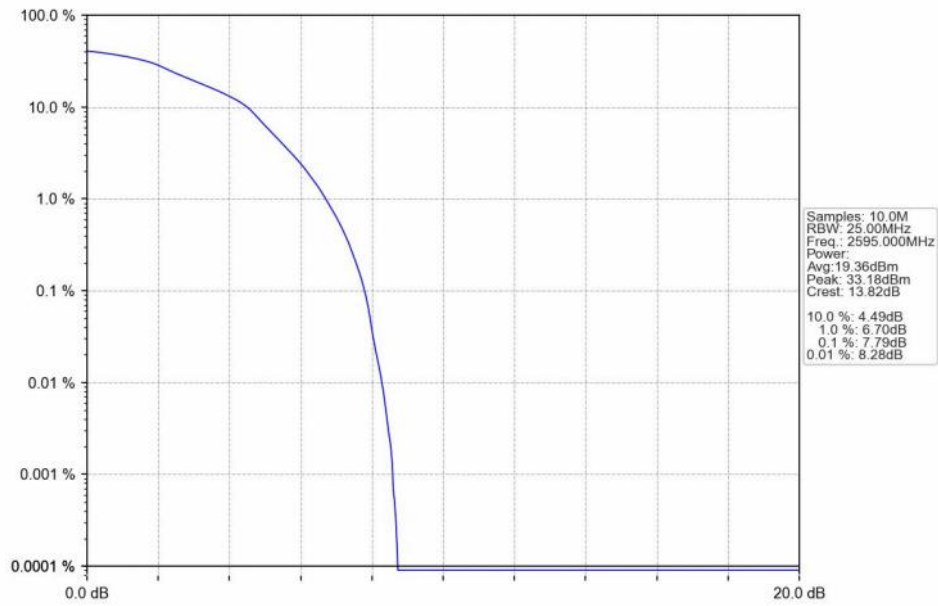
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



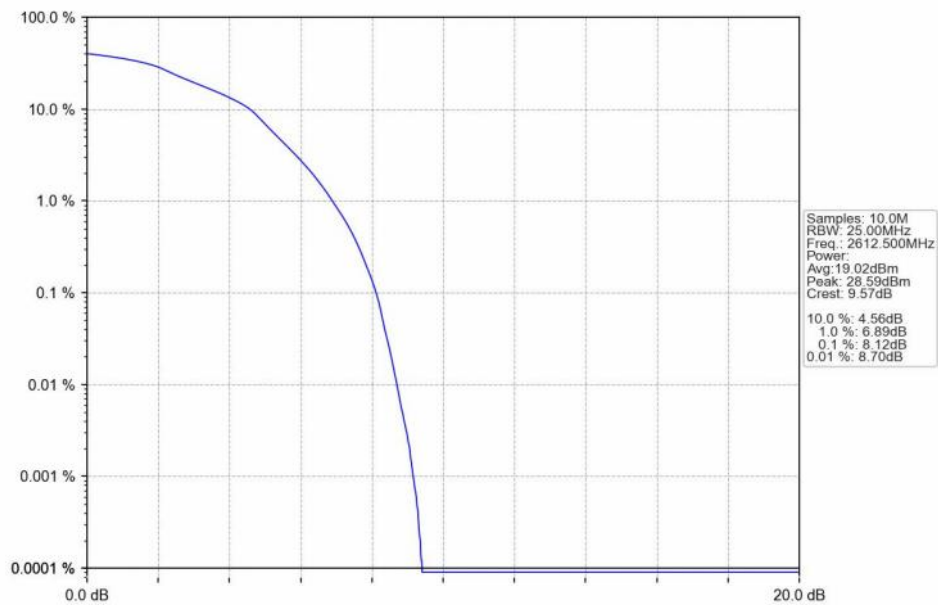
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



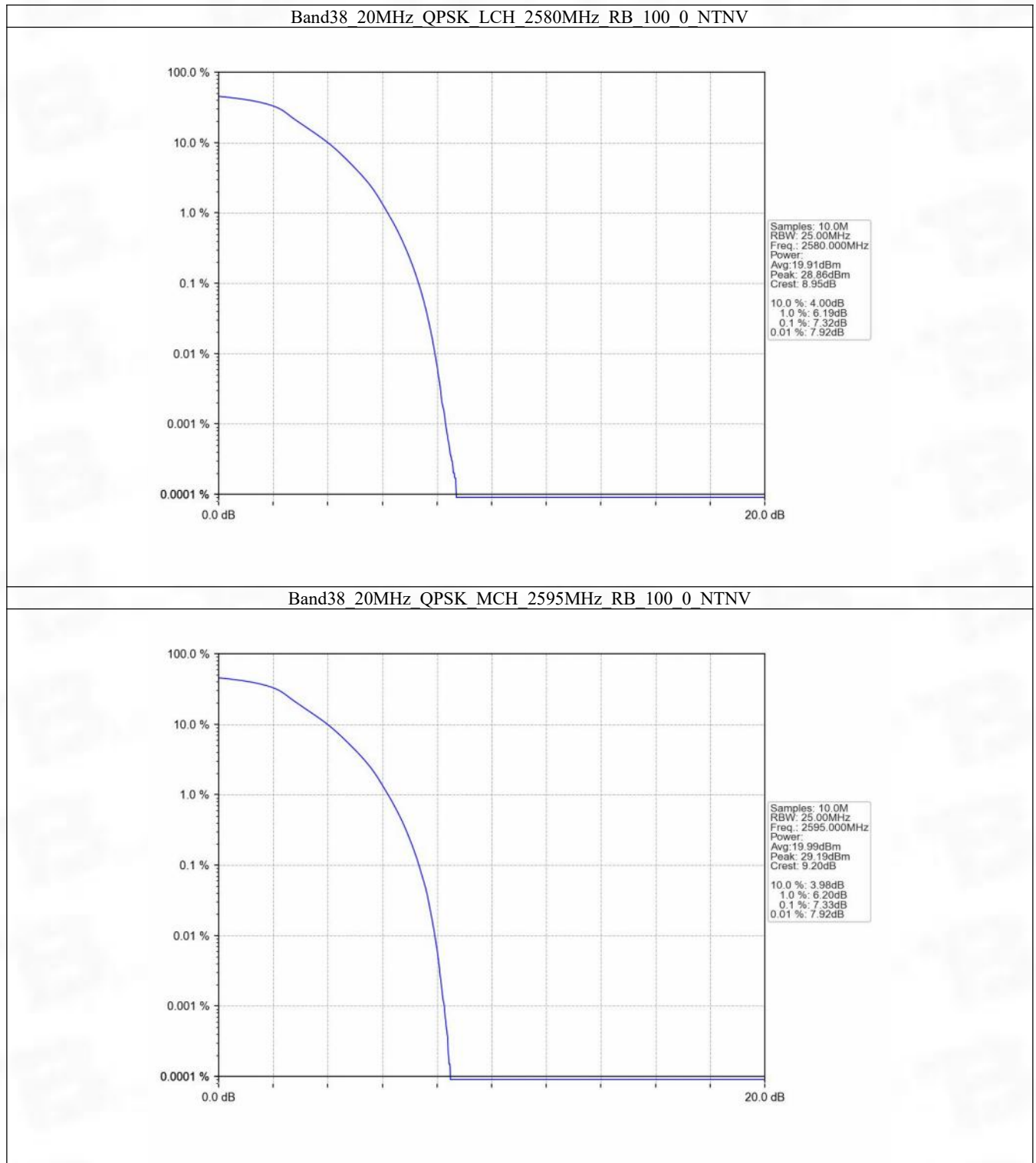
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



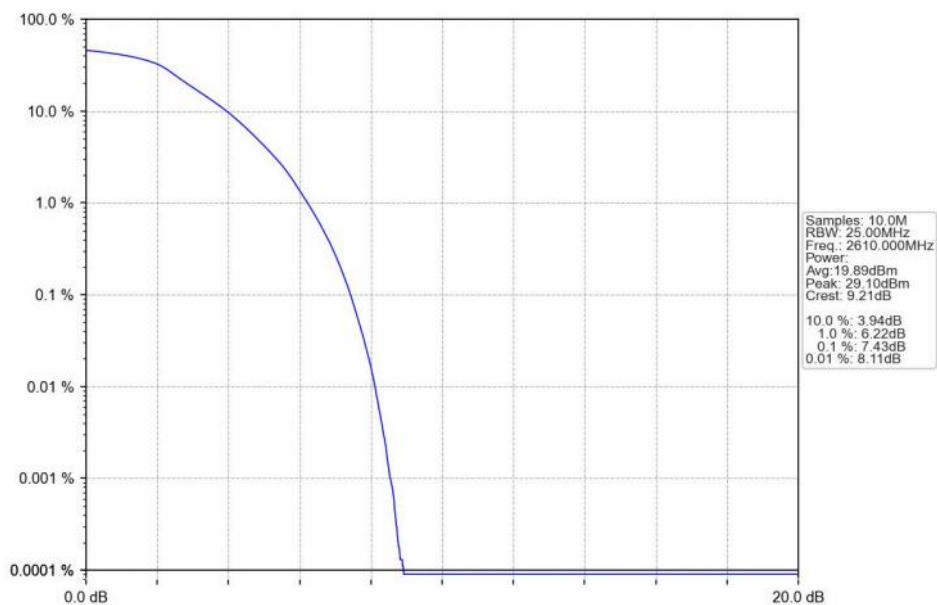
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



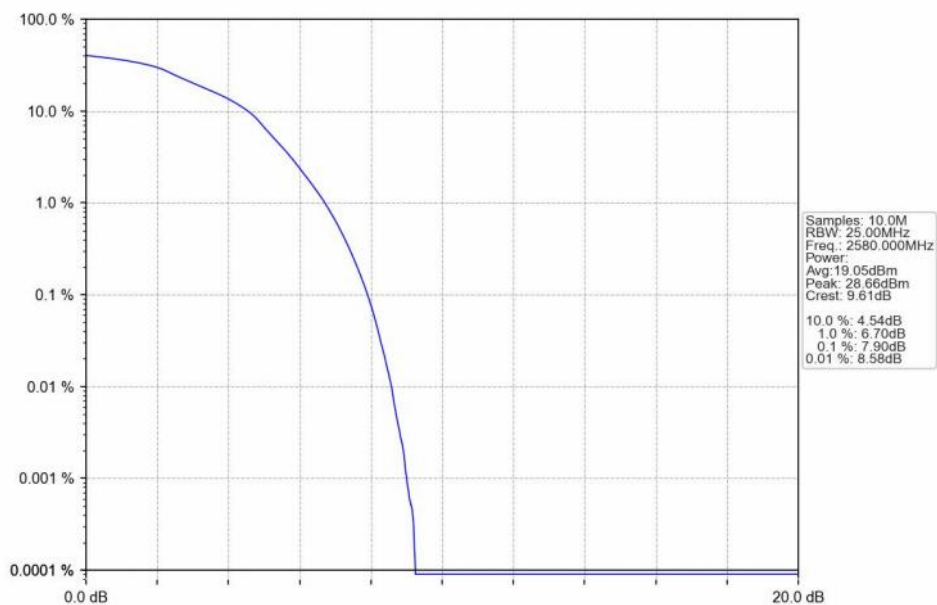
5.2.4 B38_20MHz



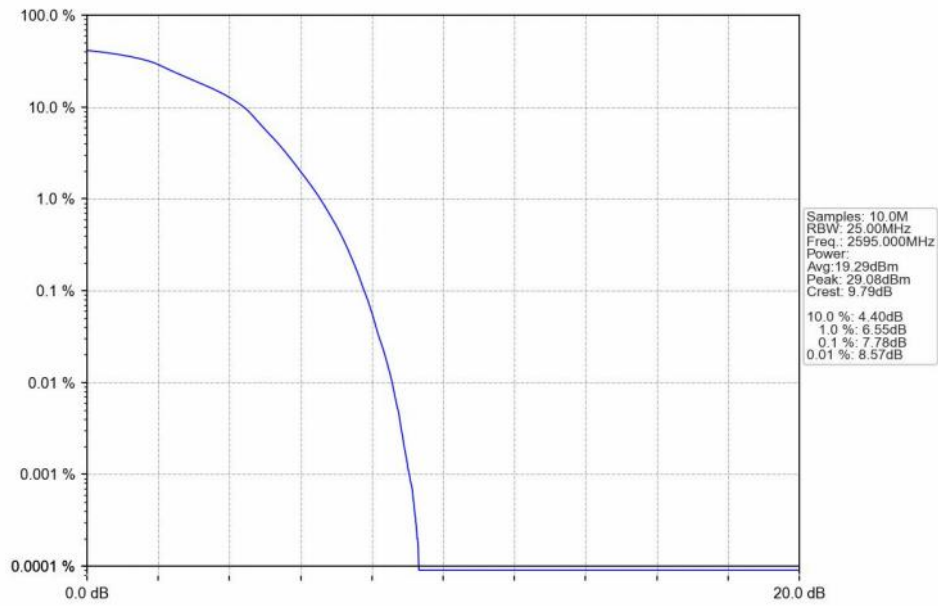
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



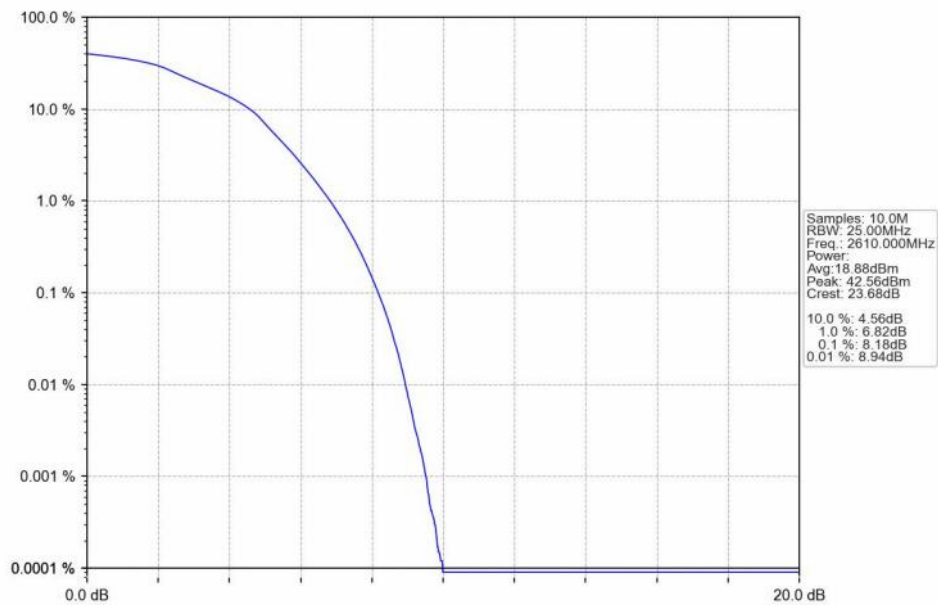
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTV



Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



Band38 20MHz 16QAM HCH 2610MHz RB 100 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

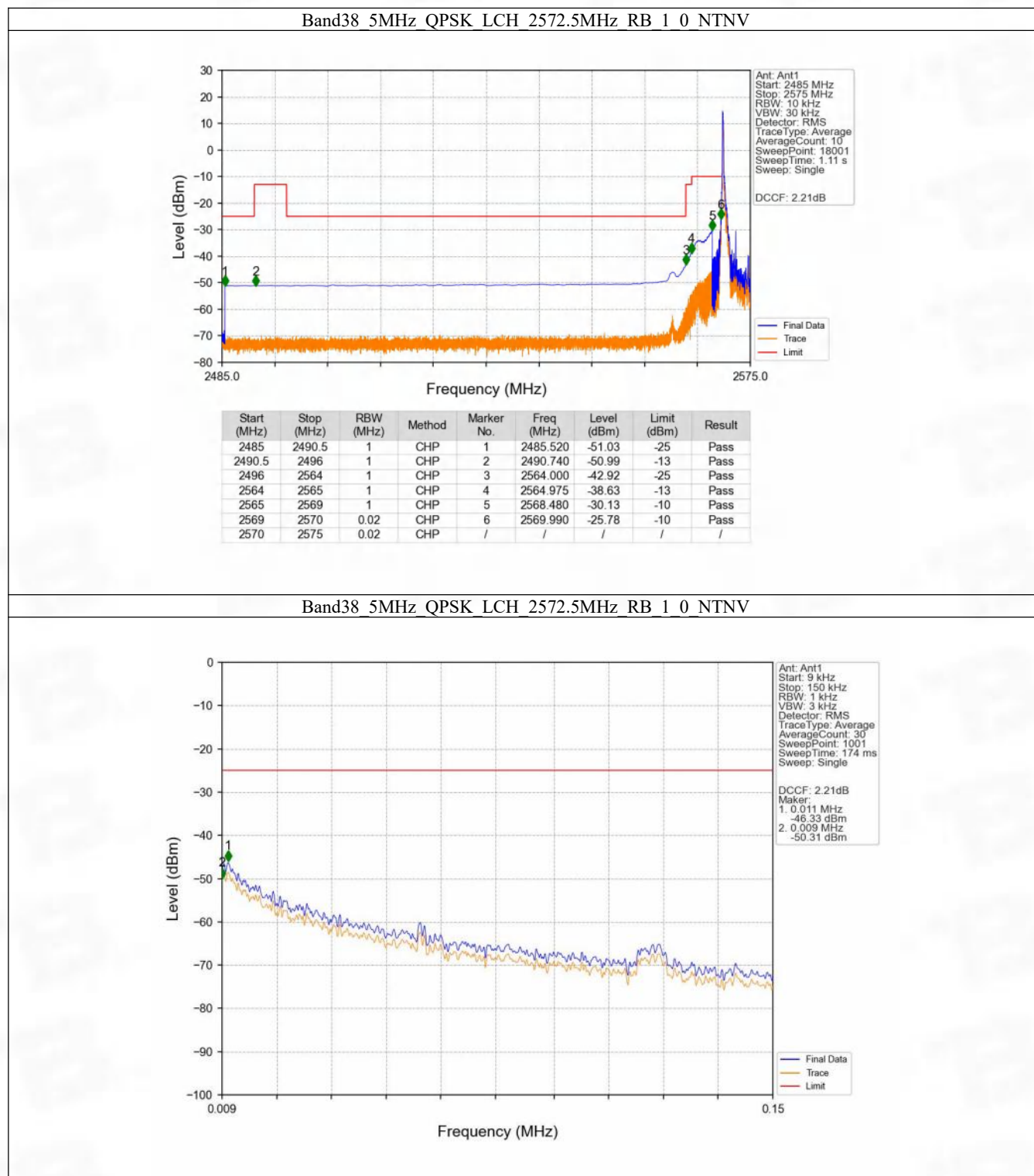
		75	0	Refer To Test Graph	Pass
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6.1.4 B38_20MHz

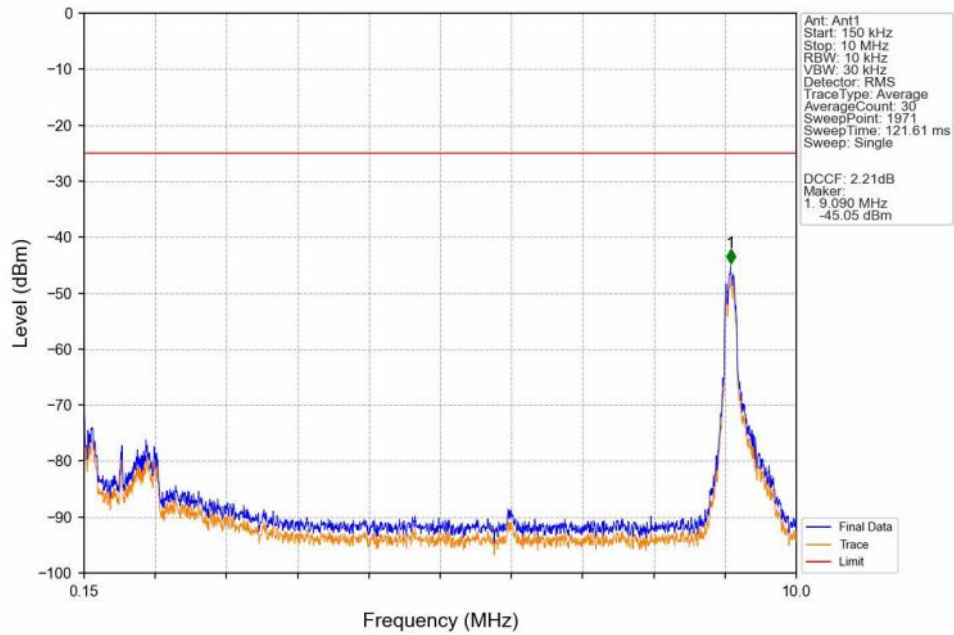
Band: 38 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2580	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	2580	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

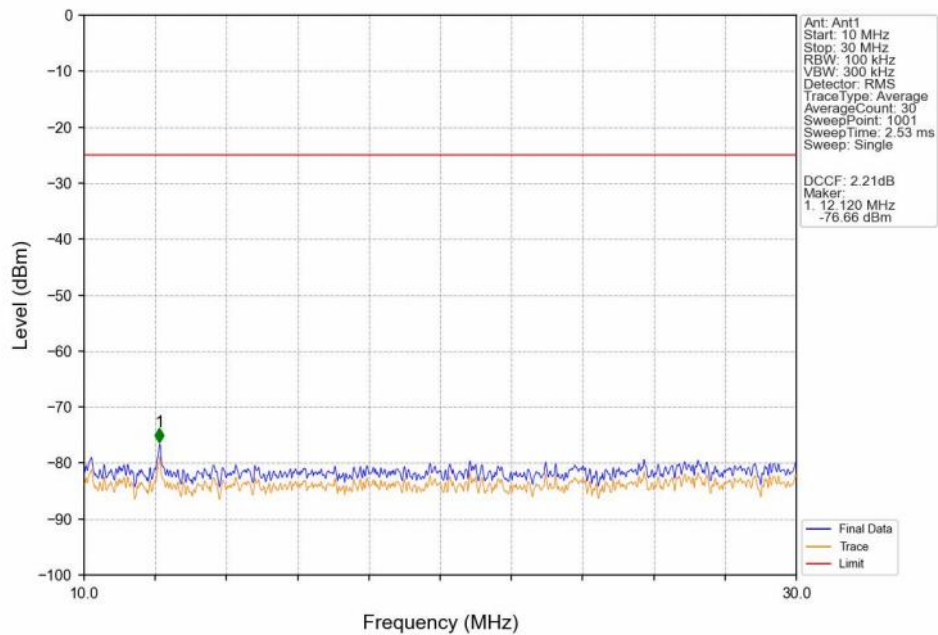
6.2.1 B38_5MHz



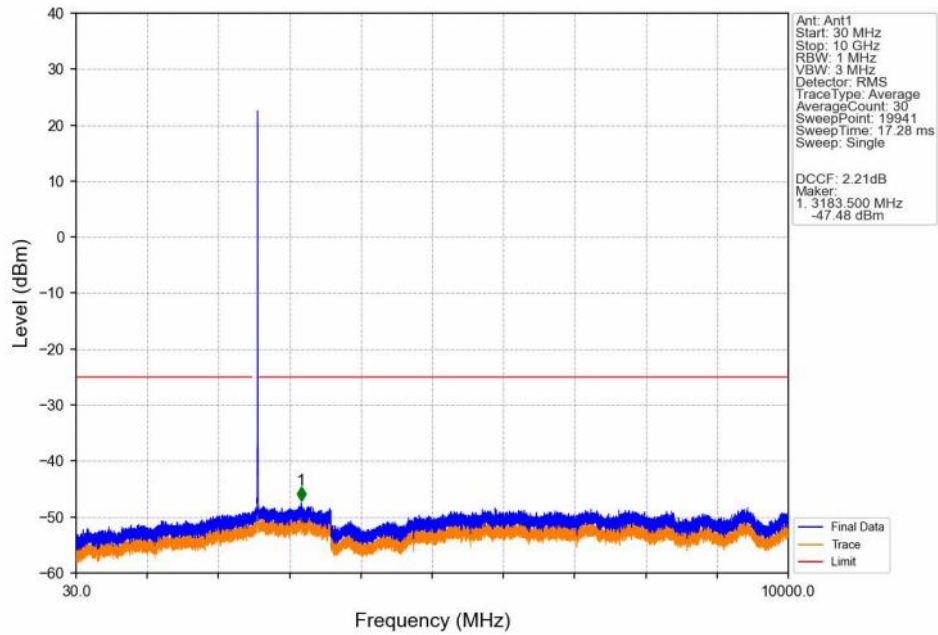
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



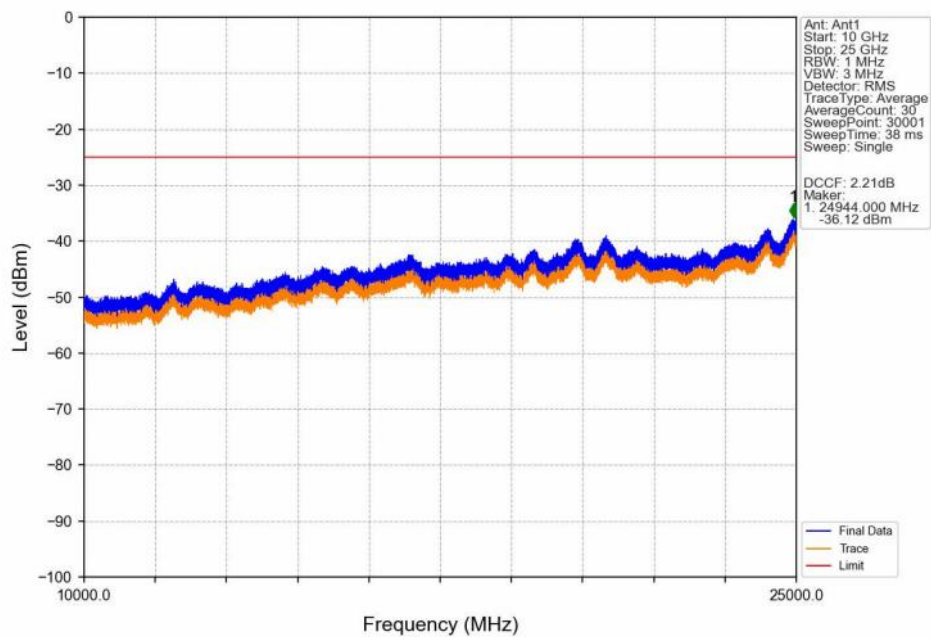
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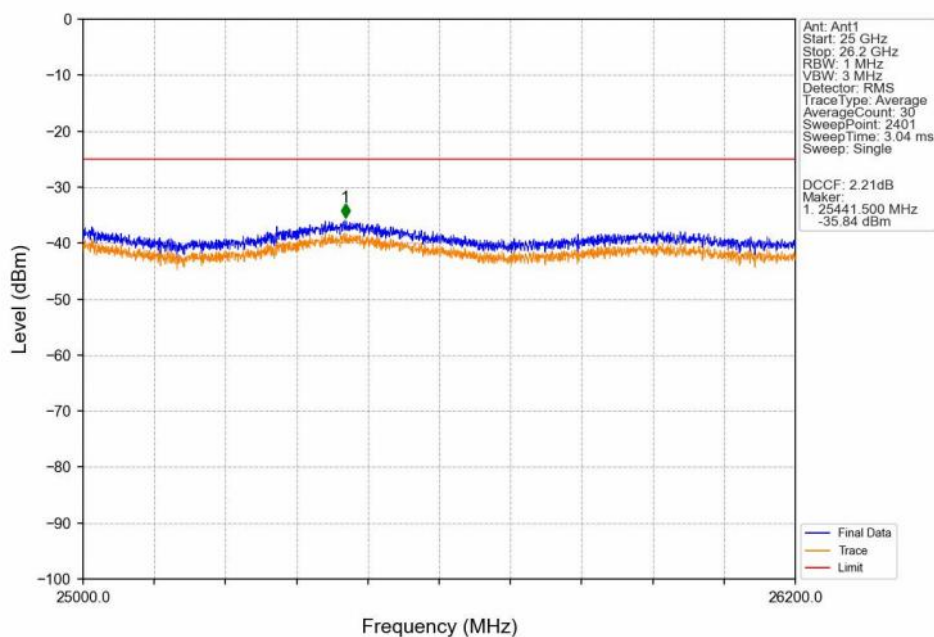
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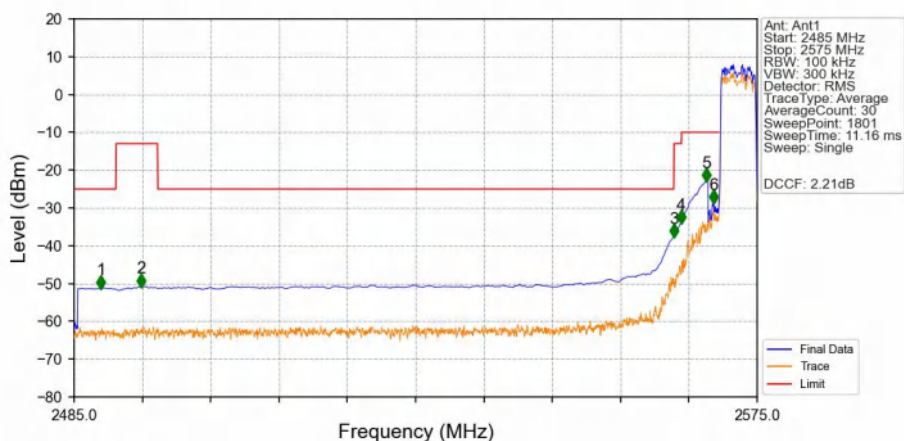
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

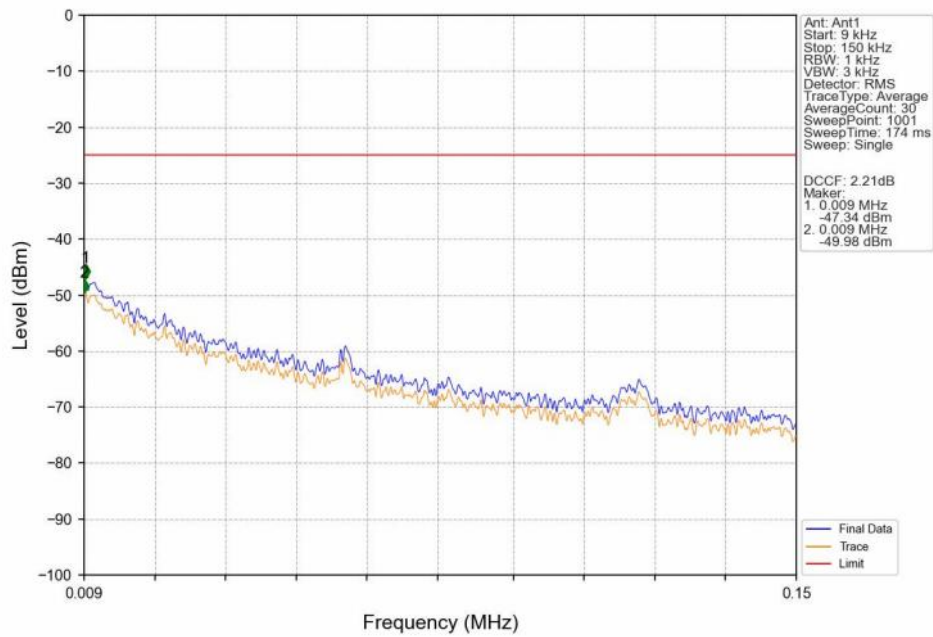


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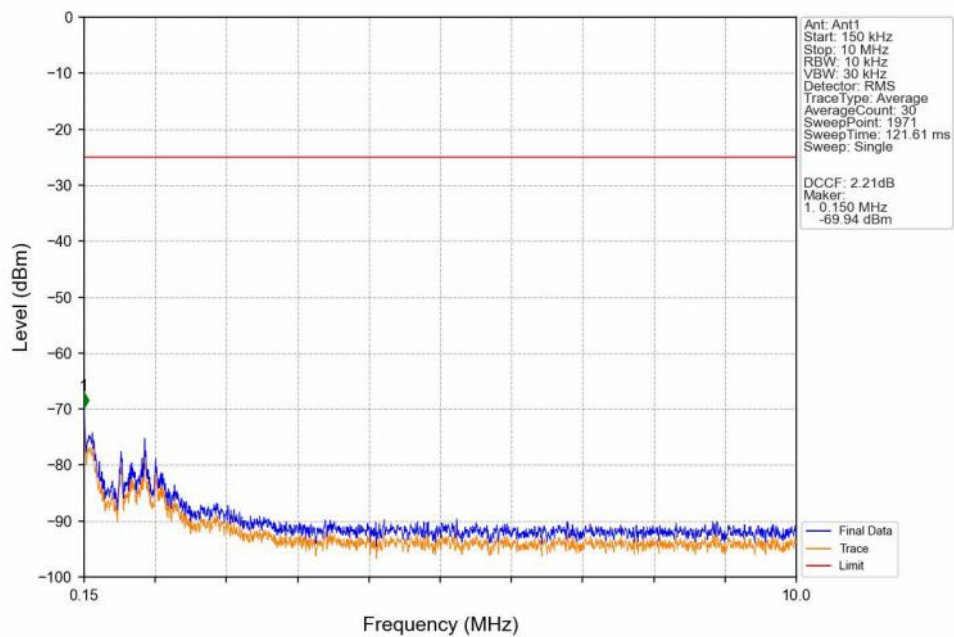


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.550	-51.16	-25	Pass
2490.5	2496	1	CHP	2	2493.800	-50.71	-13	Pass
2496	2564	1	CHP	3	2564.000	-37.57	-25	Pass
2564	2565	1	CHP	4	2565.000	-34.01	-13	Pass
2565	2569	1	CHP	5	2568.300	-22.85	-10	Pass
2569	2570	0.1	/	6	2569.300	-28.69	-10	Pass
2570	2575	0.1	/	/	/	/	/	/

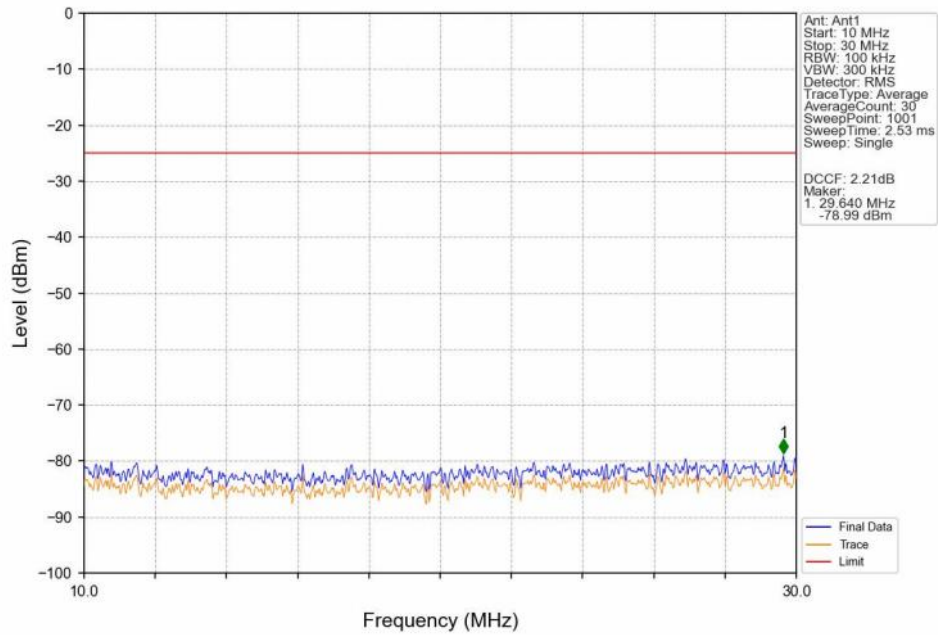
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



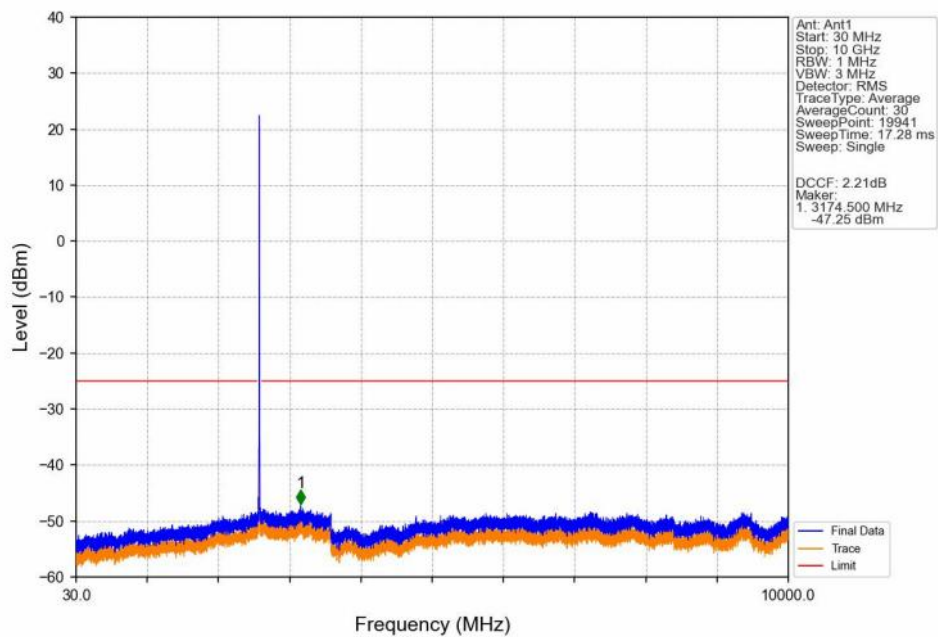
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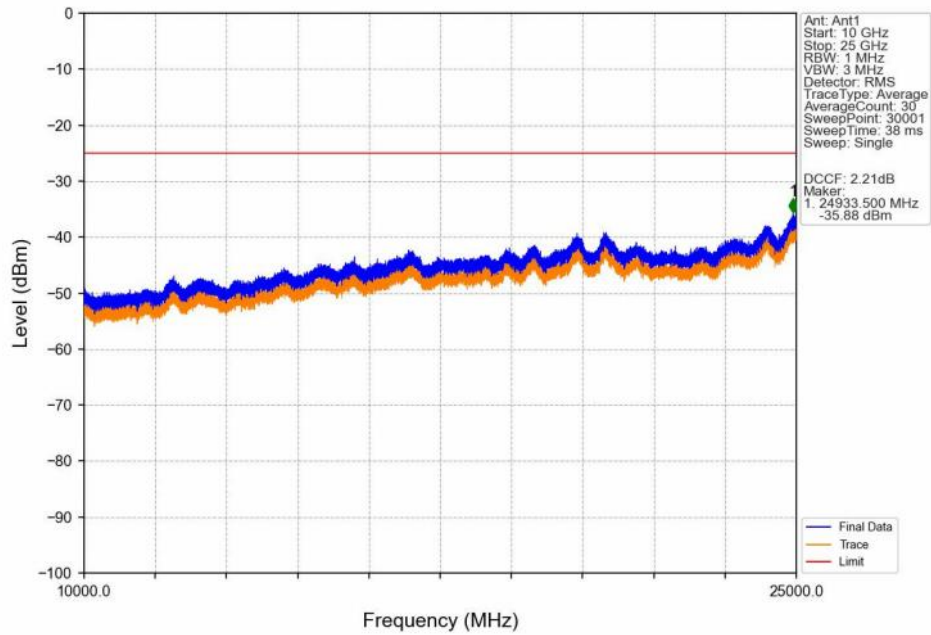
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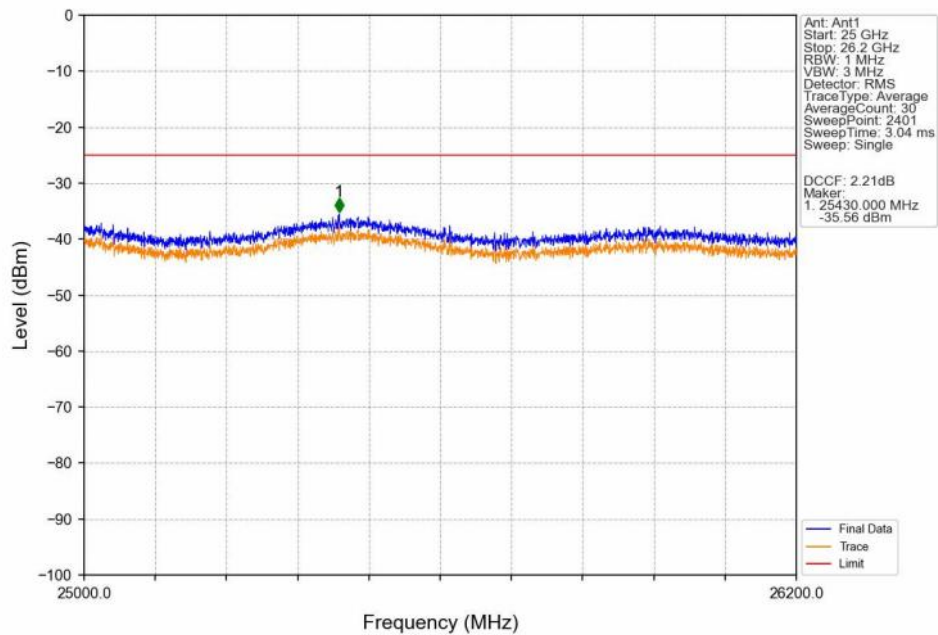
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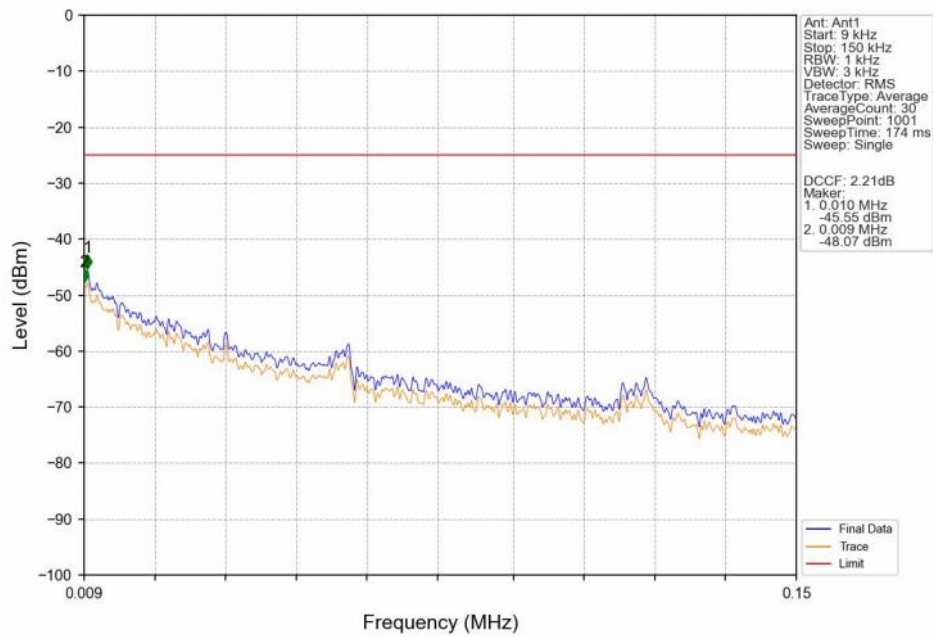
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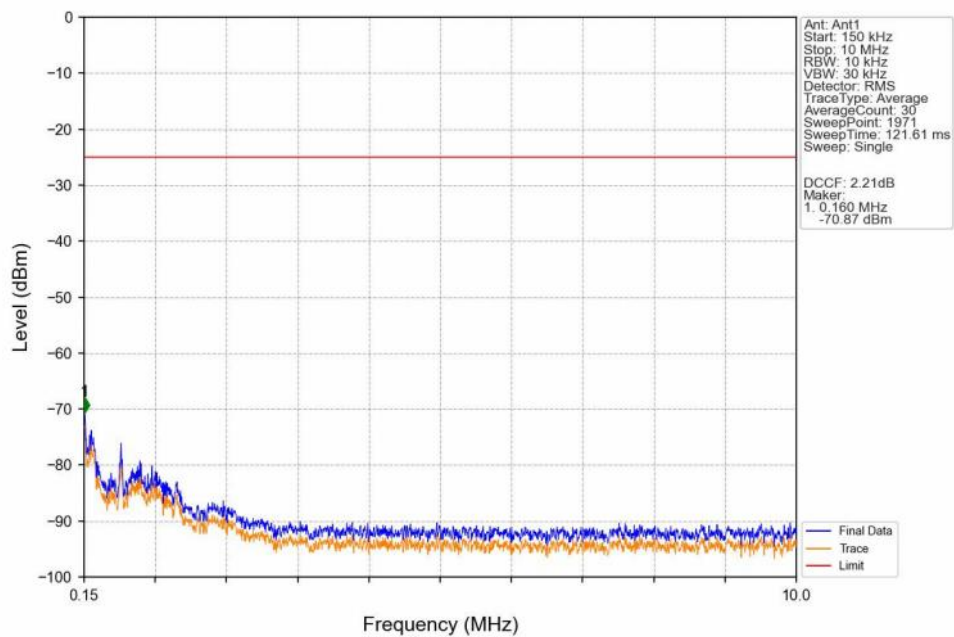
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



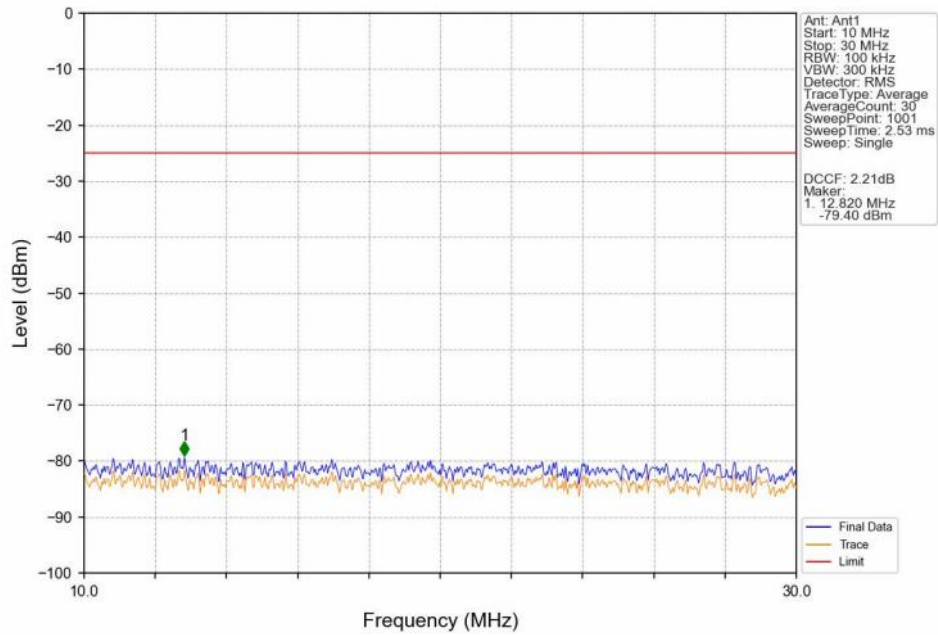
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



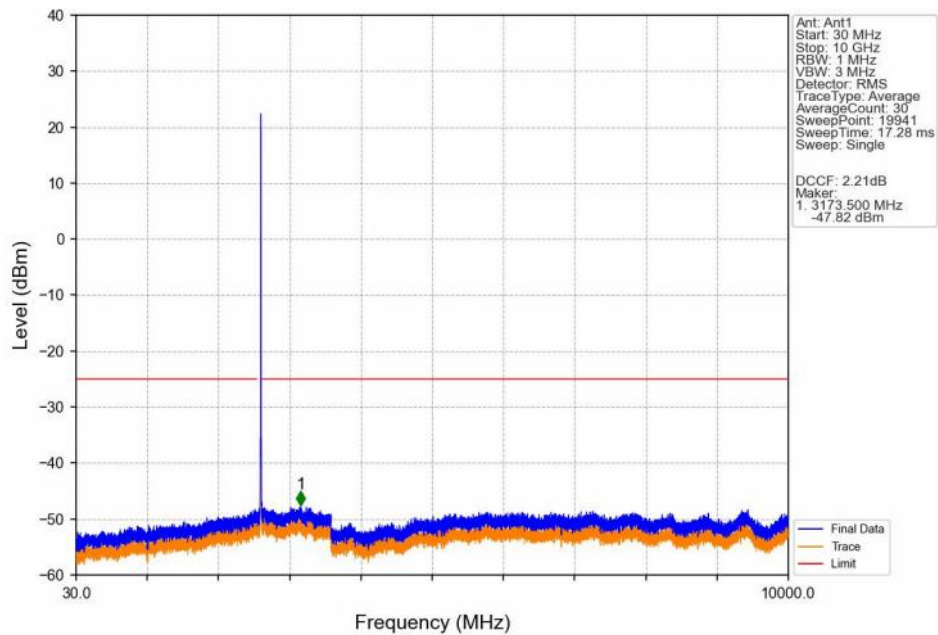
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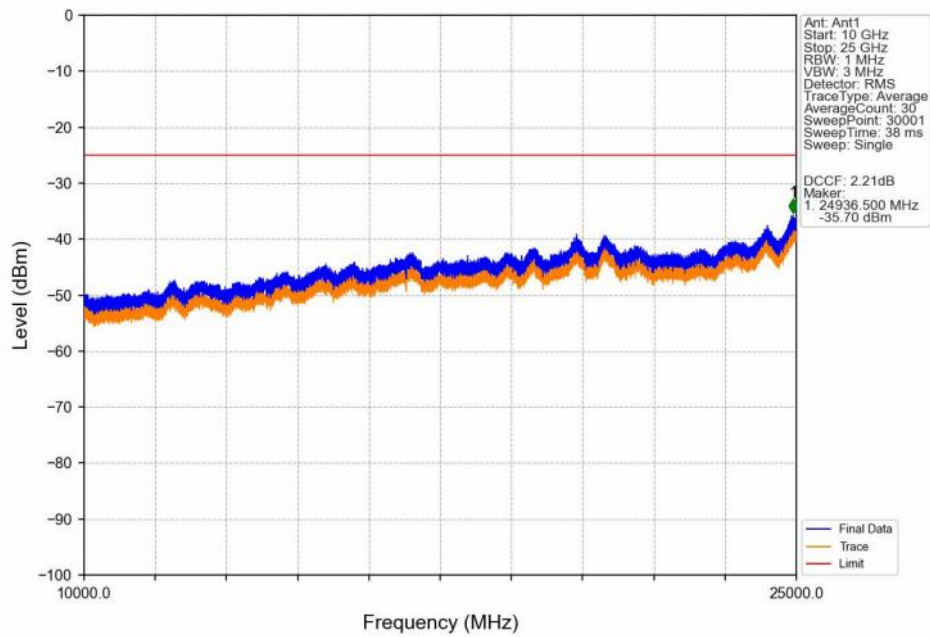
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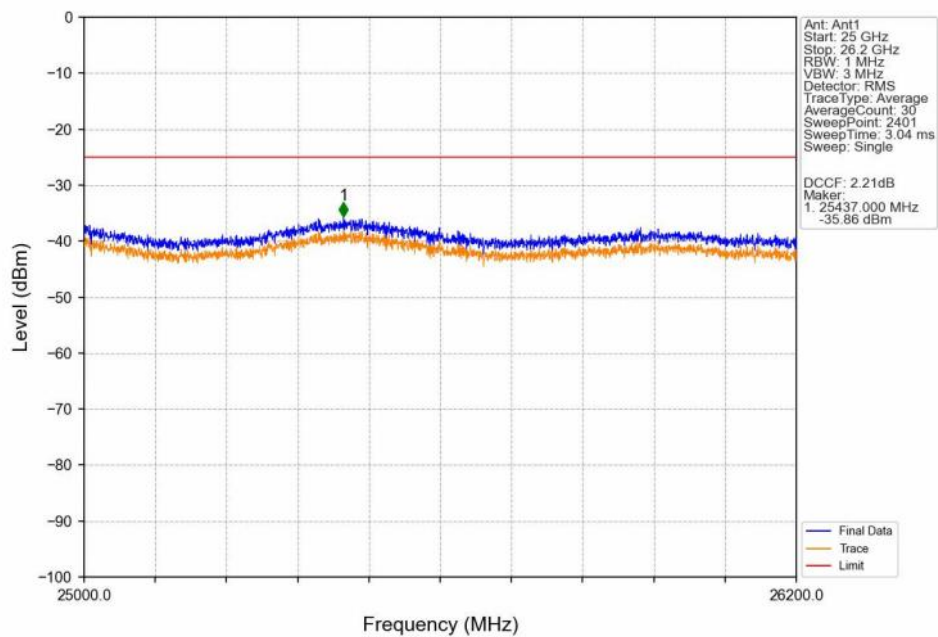
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



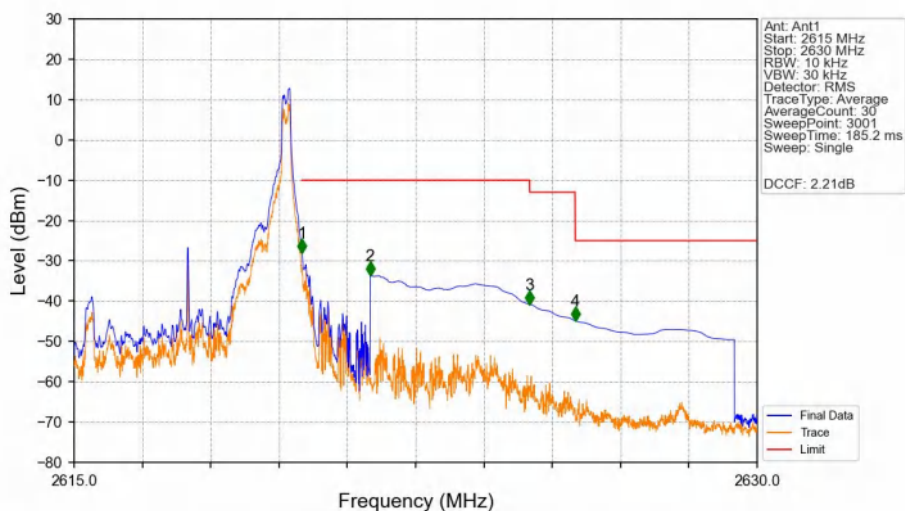
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

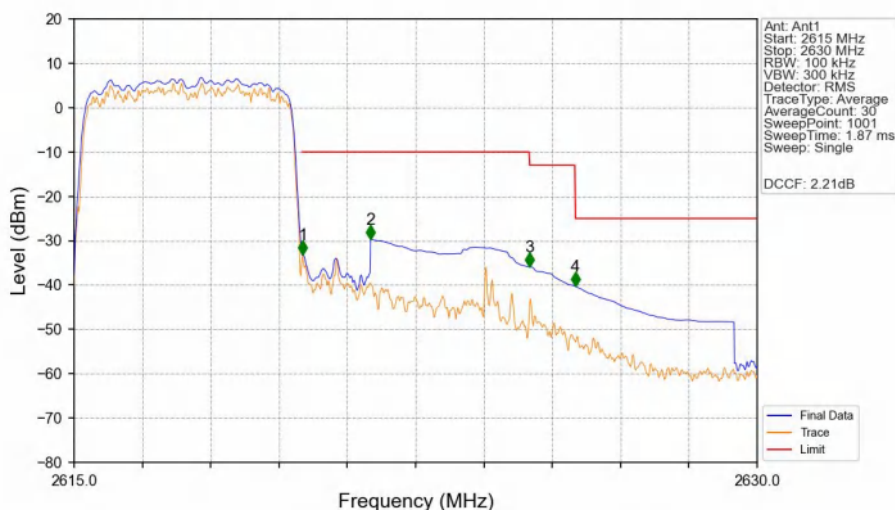


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTNV



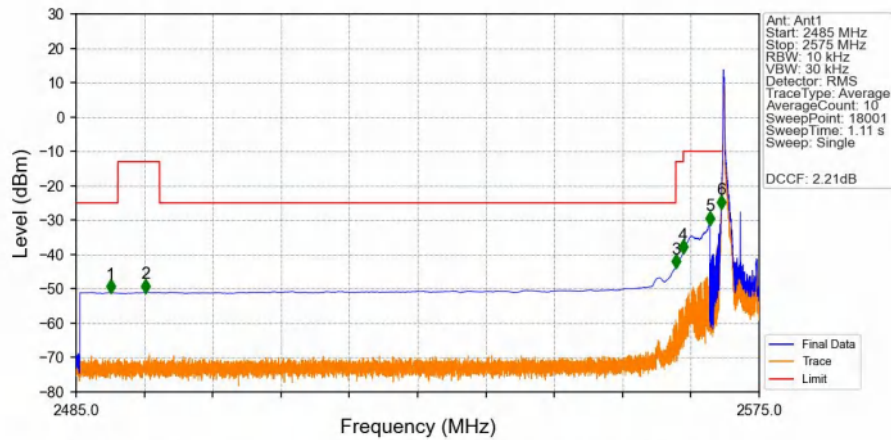
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-28.09	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.64	-10	Pass
2625	2626	1	CHP	3	2625.005	-40.79	-13	Pass
2626	2630	1	CHP	4	2626.005	-44.90	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



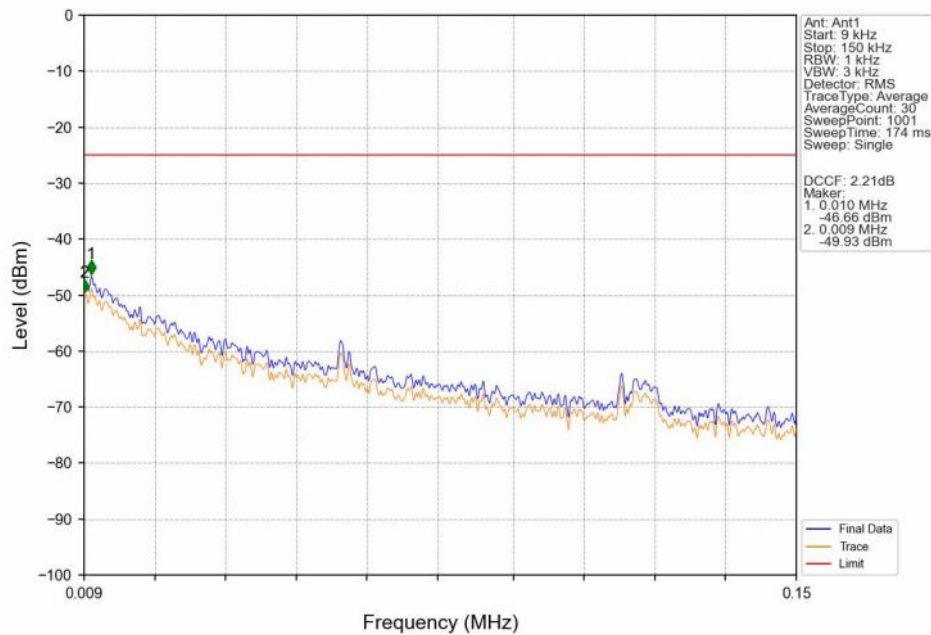
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.11	CHP	/	/	/	/	/
2620	2621	0.11	CHP	1	2620.025	-33.17	-10	Pass
2621	2625	1	CHP	2	2621.510	-29.63	-10	Pass
2625	2626	1	CHP	3	2625.005	-35.91	-13	Pass
2626	2630	1	CHP	4	2626.010	-40.29	-25	Pass

Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV

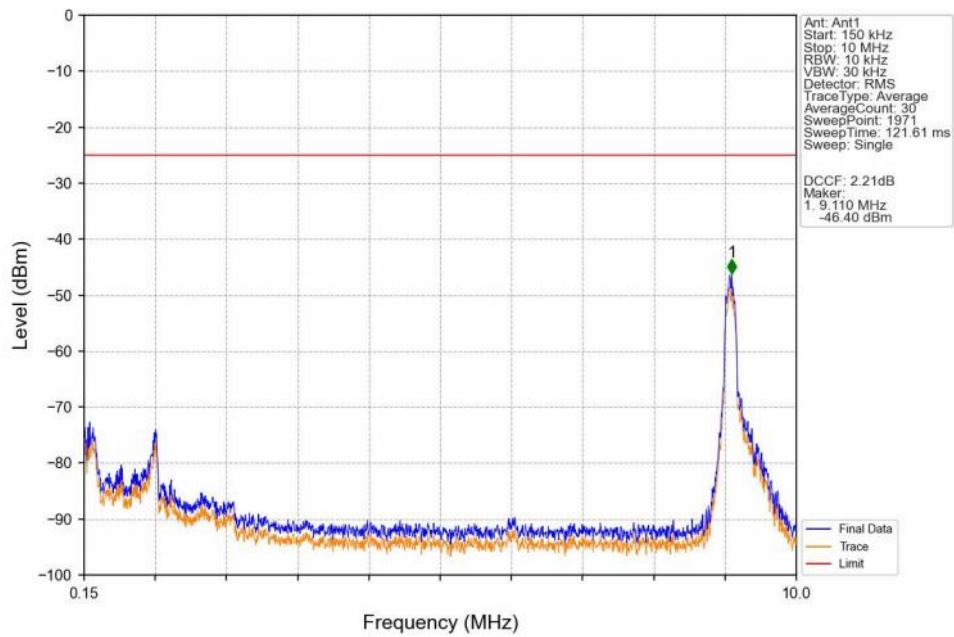


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.570	-51.01	-25	Pass
2490.5	2496	1	CHP	2	2494.170	-50.90	-13	Pass
2496	2564	1	CHP	3	2564.000	-43.77	-25	Pass
2564	2565	1	CHP	4	2565.000	-39.41	-13	Pass
2565	2569	1	CHP	5	2568.470	-31.09	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-26.41	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

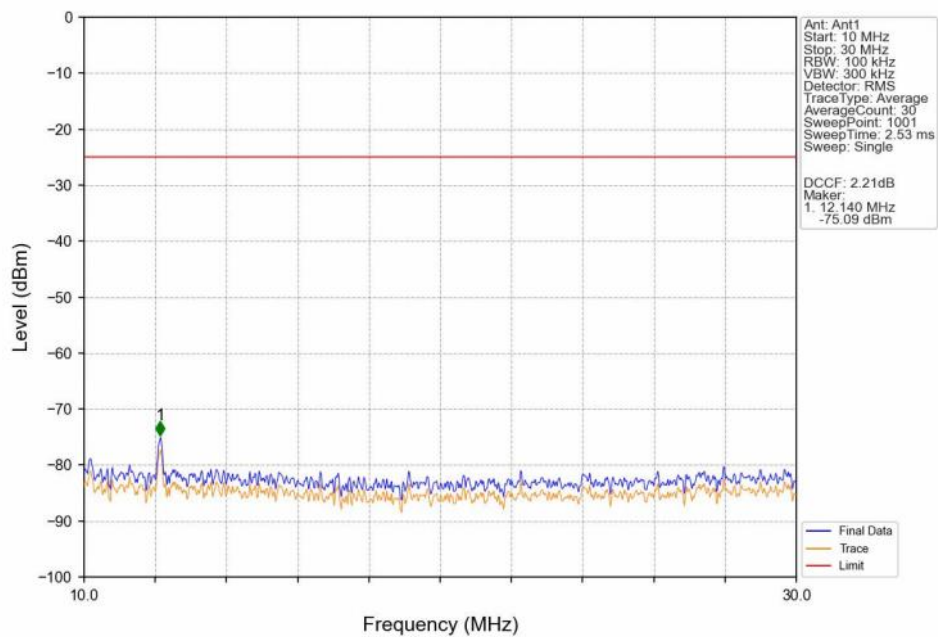
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



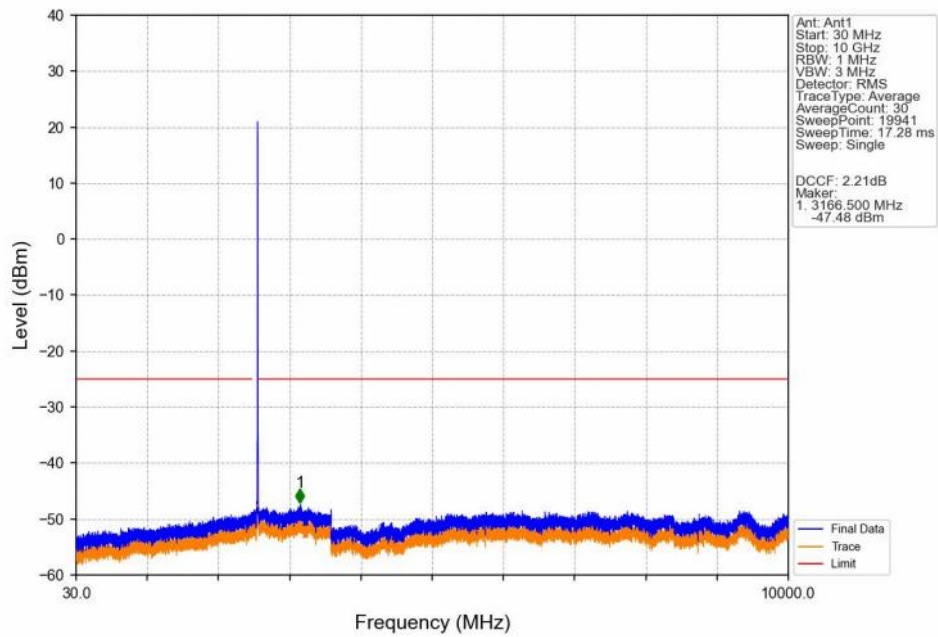
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



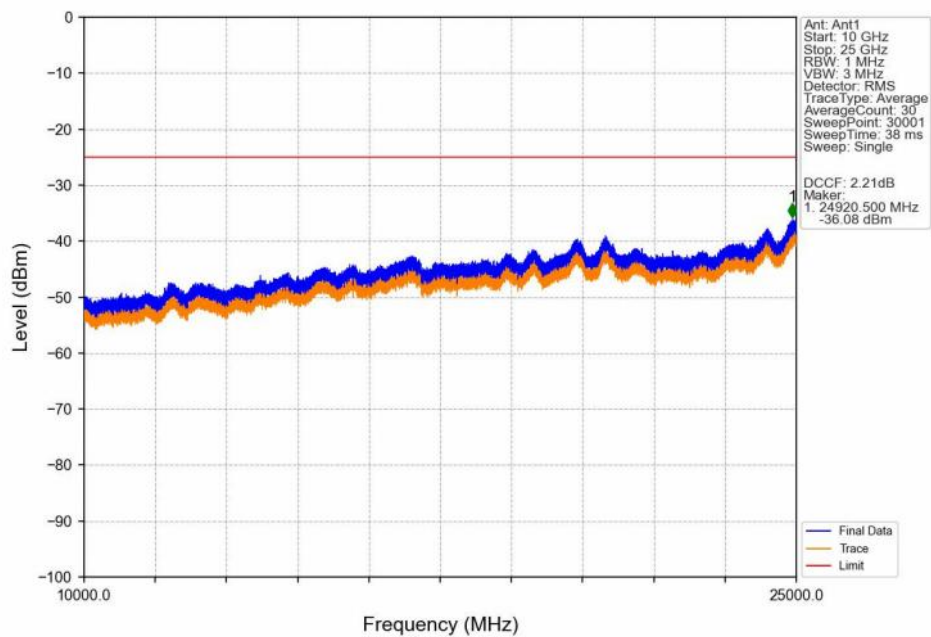
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



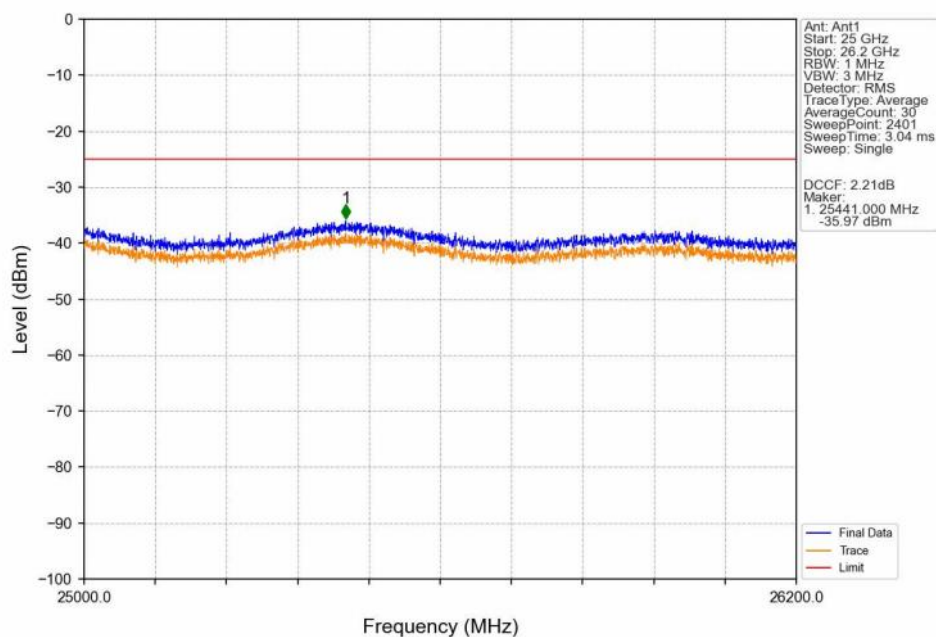
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



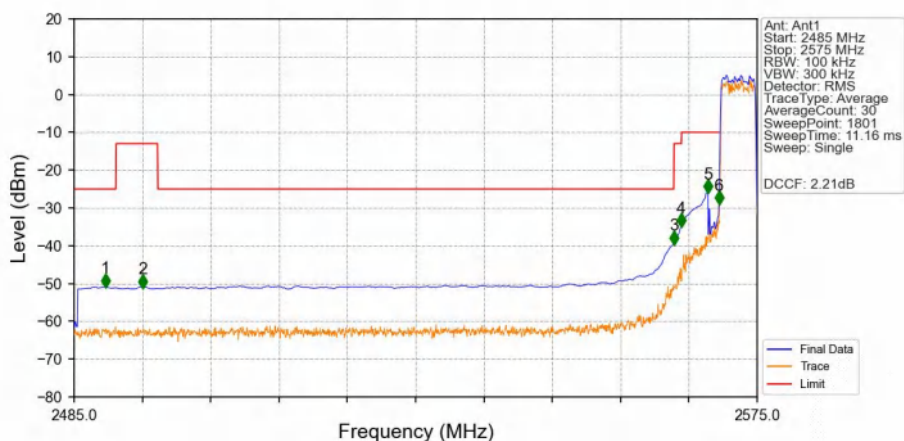
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

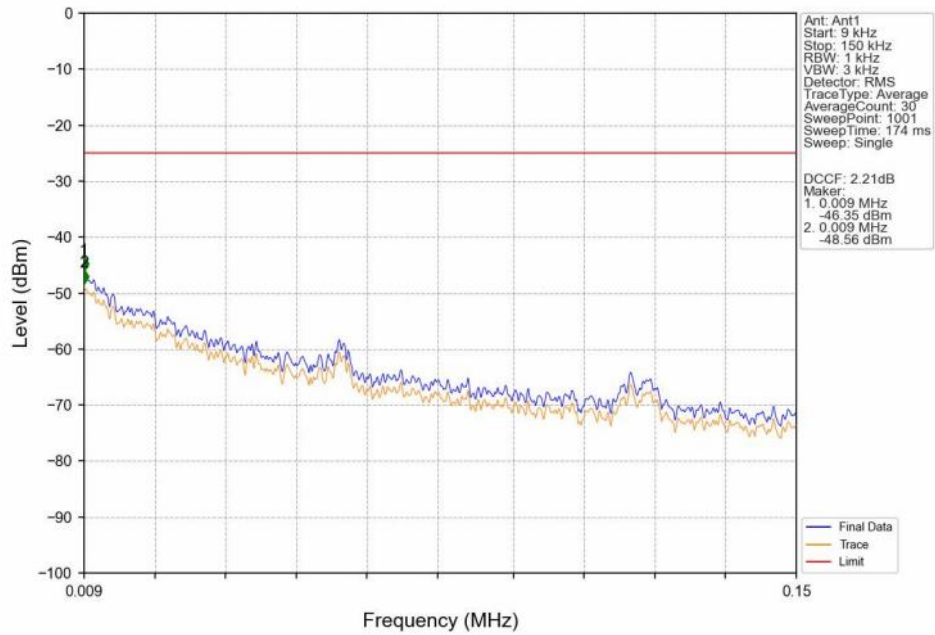


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV

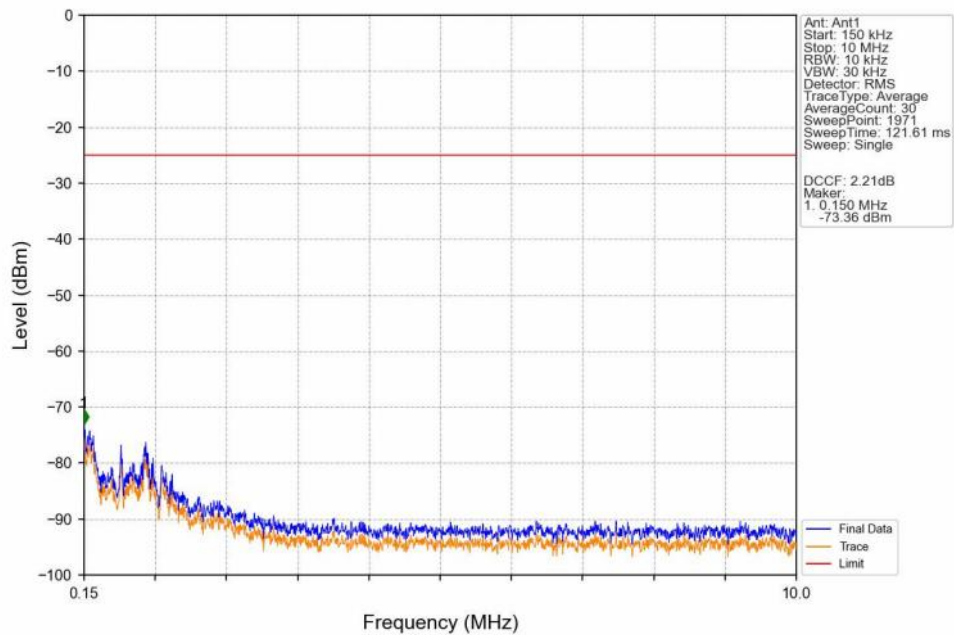


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.150	-50.73	-25	Pass
2490.5	2496	1	CHP	2	2494.050	-50.94	-13	Pass
2496	2564	1	CHP	3	2564.000	-39.43	-25	Pass
2564	2565	1	CHP	4	2565.000	-34.84	-13	Pass
2565	2569	1	CHP	5	2568.500	-25.80	-10	Pass
2569	2570	0.109	CHP	6	2569.950	-28.87	-10	Pass
2570	2575	0.109	CHP	/	/	/	/	/

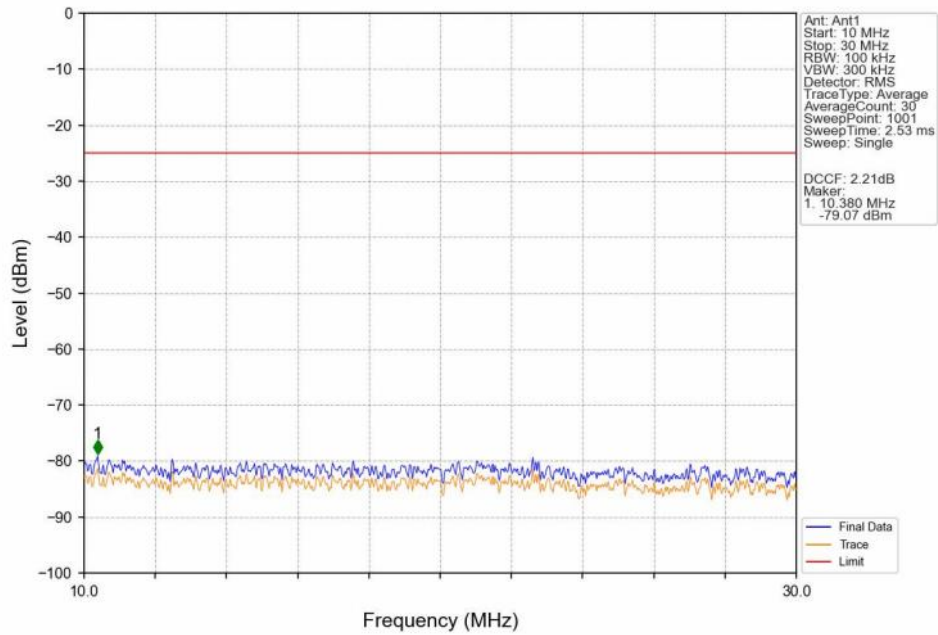
Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

