

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	14.87	-2.43	12.44	<=33.01	Pass
			13	14.98	-2.43	12.55	<=33.01	Pass
			24	14.90	-2.43	12.47	<=33.01	Pass
		12	0	13.88	-2.43	11.45	<=33.01	Pass
			6	13.96	-2.43	11.53	<=33.01	Pass
			13	13.99	-2.43	11.56	<=33.01	Pass
		25	0	14.03	-2.43	11.60	<=33.01	Pass
	2595	1	0	14.34	-2.43	11.91	<=33.01	Pass
			13	14.49	-2.43	12.06	<=33.01	Pass
			24	14.26	-2.43	11.83	<=33.01	Pass
		12	0	13.48	-2.43	11.05	<=33.01	Pass
			6	13.37	-2.43	10.94	<=33.01	Pass
			13	13.48	-2.43	11.05	<=33.01	Pass
		25	0	13.35	-2.43	10.92	<=33.01	Pass
	2617.5	1	0	14.45	-2.43	12.02	<=33.01	Pass
			13	14.53	-2.43	12.10	<=33.01	Pass
			24	14.35	-2.43	11.92	<=33.01	Pass
		12	0	13.48	-2.43	11.05	<=33.01	Pass
			6	13.46	-2.43	11.03	<=33.01	Pass
			13	13.50	-2.43	11.07	<=33.01	Pass
		25	0	13.50	-2.43	11.07	<=33.01	Pass
16QAM	2572.5	1	0	13.97	-2.43	11.54	<=33.01	Pass
			13	14.27	-2.43	11.84	<=33.01	Pass
			24	13.85	-2.43	11.42	<=33.01	Pass
		12	0	12.86	-2.43	10.43	<=33.01	Pass
			6	12.89	-2.43	10.46	<=33.01	Pass
			13	13.00	-2.43	10.57	<=33.01	Pass
		25	0	13.03	-2.43	10.60	<=33.01	Pass
	2595	1	0	13.48	-2.43	11.05	<=33.01	Pass
			13	13.39	-2.43	10.96	<=33.01	Pass
			24	13.05	-2.43	10.62	<=33.01	Pass
		12	0	12.40	-2.43	9.97	<=33.01	Pass
			6	12.43	-2.43	10.00	<=33.01	Pass
			13	12.36	-2.43	9.93	<=33.01	Pass
		25	0	12.36	-2.43	9.93	<=33.01	Pass
	2617.5	1	0	13.44	-2.43	11.01	<=33.01	Pass
			13	13.69	-2.43	11.26	<=33.01	Pass
			24	13.45	-2.43	11.02	<=33.01	Pass
		12	0	12.32	-2.43	9.89	<=33.01	Pass
			6	12.45	-2.43	10.02	<=33.01	Pass
			13	12.44	-2.43	10.01	<=33.01	Pass
		25	0	12.49	-2.43	10.06	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
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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	15.36	-2.43	12.93	<=33.01	Pass
			25	15.49	-2.43	13.06	<=33.01	Pass
			49	15.33	-2.43	12.90	<=33.01	Pass
		25	0	14.41	-2.43	11.98	<=33.01	Pass
			13	14.29	-2.43	11.86	<=33.01	Pass
			25	14.38	-2.43	11.95	<=33.01	Pass
		50	0	14.28	-2.43	11.85	<=33.01	Pass
	2595	1	0	14.86	-2.43	12.43	<=33.01	Pass
			25	14.96	-2.43	12.53	<=33.01	Pass
			49	14.80	-2.43	12.37	<=33.01	Pass
		25	0	13.86	-2.43	11.43	<=33.01	Pass
			13	13.72	-2.43	11.29	<=33.01	Pass
			25	13.69	-2.43	11.26	<=33.01	Pass
		50	0	13.82	-2.43	11.39	<=33.01	Pass
	2615	1	0	14.58	-2.43	12.15	<=33.01	Pass
			25	14.81	-2.43	12.38	<=33.01	Pass
			49	14.62	-2.43	12.19	<=33.01	Pass
		25	0	13.78	-2.43	11.35	<=33.01	Pass
			13	13.58	-2.43	11.15	<=33.01	Pass
			25	13.59	-2.43	11.16	<=33.01	Pass
		50	0	13.70	-2.43	11.27	<=33.01	Pass
16QAM	2575	1	0	14.36	-2.43	11.93	<=33.01	Pass
			25	14.18	-2.43	11.75	<=33.01	Pass
			49	14.19	-2.43	11.76	<=33.01	Pass
		25	0	13.40	-2.43	10.97	<=33.01	Pass
			13	13.33	-2.43	10.90	<=33.01	Pass
			25	13.38	-2.43	10.95	<=33.01	Pass
		50	0	13.38	-2.43	10.95	<=33.01	Pass
	2595	1	0	13.54	-2.43	11.11	<=33.01	Pass
			25	13.90	-2.43	11.47	<=33.01	Pass
			49	13.62	-2.43	11.19	<=33.01	Pass
		25	0	12.76	-2.43	10.33	<=33.01	Pass
			13	12.81	-2.43	10.38	<=33.01	Pass
			25	12.88	-2.43	10.45	<=33.01	Pass
		50	0	12.83	-2.43	10.40	<=33.01	Pass
	2615	1	0	13.62	-2.43	11.19	<=33.01	Pass
			25	13.68	-2.43	11.25	<=33.01	Pass
			49	13.40	-2.43	10.97	<=33.01	Pass
		25	0	12.64	-2.43	10.21	<=33.01	Pass
			13	12.74	-2.43	10.31	<=33.01	Pass
			25	12.82	-2.43	10.39	<=33.01	Pass
		50	0	12.58	-2.43	10.15	<=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	14.57	-2.43	12.14	<=33.01	Pass
			38	14.51	-2.43	12.08	<=33.01	Pass
			74	14.41	-2.43	11.98	<=33.01	Pass
		36	0	13.56	-2.43	11.13	<=33.01	Pass
			18	13.58	-2.43	11.15	<=33.01	Pass
			39	13.54	-2.43	11.11	<=33.01	Pass
		75	0	13.47	-2.43	11.04	<=33.01	Pass
	2595	1	0	14.39	-2.43	11.96	<=33.01	Pass

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			38	14.32	-2.43	11.89	<=33.01	Pass	
			74	14.33	-2.43	11.90	<=33.01	Pass	
		36	0	13.41	-2.43	10.98	<=33.01	Pass	
			18	13.32	-2.43	10.89	<=33.01	Pass	
			39	13.30	-2.43	10.87	<=33.01	Pass	
		75	0	13.29	-2.43	10.86	<=33.01	Pass	
		2612.5	1	0	15.18	-2.43	12.75	<=33.01	Pass
	38			15.23	-2.43	12.80	<=33.01	Pass	
	74			15.13	-2.43	12.70	<=33.01	Pass	
	36		0	14.12	-2.43	11.69	<=33.01	Pass	
			18	14.24	-2.43	11.81	<=33.01	Pass	
			39	14.09	-2.43	11.66	<=33.01	Pass	
	75		0	14.21	-2.43	11.78	<=33.01	Pass	
	16QAM	2577.5	1	0	13.96	-2.43	11.53	<=33.01	Pass
38				13.47	-2.43	11.04	<=33.01	Pass	
74				13.87	-2.43	11.44	<=33.01	Pass	
36			0	12.45	-2.43	10.02	<=33.01	Pass	
			18	12.47	-2.43	10.04	<=33.01	Pass	
			39	12.53	-2.43	10.10	<=33.01	Pass	
75			0	12.47	-2.43	10.04	<=33.01	Pass	
2595		1	0	13.07	-2.43	10.64	<=33.01	Pass	
			38	13.09	-2.43	10.66	<=33.01	Pass	
			74	13.12	-2.43	10.69	<=33.01	Pass	
		36	0	12.42	-2.43	9.99	<=33.01	Pass	
			18	12.36	-2.43	9.93	<=33.01	Pass	
			39	12.20	-2.43	9.77	<=33.01	Pass	
		75	0	12.27	-2.43	9.84	<=33.01	Pass	
2612.5		1	0	14.02	-2.43	11.59	<=33.01	Pass	
			38	14.30	-2.43	11.87	<=33.01	Pass	
			74	13.84	-2.43	11.41	<=33.01	Pass	
		36	0	13.25	-2.43	10.82	<=33.01	Pass	
			18	13.22	-2.43	10.79	<=33.01	Pass	
			39	13.19	-2.43	10.76	<=33.01	Pass	
		75	0	13.23	-2.43	10.80	<=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	14.73	-2.43	12.30	<=33.01	Pass
			50	15.08	-2.43	12.65	<=33.01	Pass
			99	14.65	-2.43	12.22	<=33.01	Pass
		50	0	13.96	-2.43	11.53	<=33.01	Pass
			25	13.97	-2.43	11.54	<=33.01	Pass
			50	13.91	-2.43	11.48	<=33.01	Pass
		100	0	13.94	-2.43	11.51	<=33.01	Pass
	2595	1	0	14.51	-2.43	12.08	<=33.01	Pass
			50	14.84	-2.43	12.41	<=33.01	Pass
			99	14.40	-2.43	11.97	<=33.01	Pass
		50	0	13.77	-2.43	11.34	<=33.01	Pass
			25	13.70	-2.43	11.27	<=33.01	Pass
			50	13.65	-2.43	11.22	<=33.01	Pass
		100	0	13.75	-2.43	11.32	<=33.01	Pass
	2610	1	0	14.85	-2.43	12.42	<=33.01	Pass
			50	15.19	-2.43	12.76	<=33.01	Pass
			99	14.78	-2.43	12.35	<=33.01	Pass
		50	0	13.96	-2.43	11.53	<=33.01	Pass
			0	13.96	-2.43	11.53	<=33.01	Pass
		50	0	13.96	-2.43	11.53	<=33.01	Pass

16QAM	2580	100	25	14.11	-2.43	11.68	<=33.01	Pass
			50	14.07	-2.43	11.64	<=33.01	Pass
			0	13.98	-2.43	11.55	<=33.01	Pass
		1	0	13.83	-2.43	11.40	<=33.01	Pass
			50	14.11	-2.43	11.68	<=33.01	Pass
			99	13.73	-2.43	11.30	<=33.01	Pass
		50	0	12.99	-2.43	10.56	<=33.01	Pass
			25	13.03	-2.43	10.60	<=33.01	Pass
			50	13.02	-2.43	10.59	<=33.01	Pass
		100	0	13.09	-2.43	10.66	<=33.01	Pass
	2595	1	0	13.32	-2.43	10.89	<=33.01	Pass
			50	14.09	-2.43	11.66	<=33.01	Pass
			99	13.15	-2.43	10.72	<=33.01	Pass
		50	0	12.75	-2.43	10.32	<=33.01	Pass
			25	12.70	-2.43	10.27	<=33.01	Pass
			50	12.73	-2.43	10.30	<=33.01	Pass
		100	0	12.78	-2.43	10.35	<=33.01	Pass
	2610	1	0	13.85	-2.43	11.42	<=33.01	Pass
			50	14.40	-2.43	11.97	<=33.01	Pass
			99	13.89	-2.43	11.46	<=33.01	Pass
		50	0	12.97	-2.43	10.54	<=33.01	Pass
			25	13.14	-2.43	10.71	<=33.01	Pass
			50	12.95	-2.43	10.52	<=33.01	Pass
		100	0	13.11	-2.43	10.68	<=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	15.736	0.0061	-2.5 to 2.5	Pass
					3.85	9.456	0.0037	-2.5 to 2.5	Pass
					4.43	35.105	0.0136	-2.5 to 2.5	Pass
				-30	3.85	39.053	0.0152	-2.5 to 2.5	Pass
				-20	3.85	52.586	0.0204	-2.5 to 2.5	Pass
				-10	3.85	39.711	0.0154	-2.5 to 2.5	Pass
				0	3.85	59.552	0.0231	-2.5 to 2.5	Pass
				10	3.85	52.457	0.0204	-2.5 to 2.5	Pass
				30	3.85	54.860	0.0213	-2.5 to 2.5	Pass
				40	3.85	58.050	0.0226	-2.5 to 2.5	Pass
	50	3.85	43.459	0.0169	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	7.639	0.0029	-2.5 to 2.5	Pass
					3.85	-8.097	-0.0031	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	5.279	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0003	-2.5 to 2.5	Pass
				0	3.85	-7.253	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass
	50	3.85	-11.516	-0.0044	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	2.904	0.0011	-2.5 to 2.5	Pass

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					3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.303	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	7.296	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-7.396	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	13.418	0.0051	-2.5 to 2.5	Pass
				0	3.85	7.954	0.0030	-2.5 to 2.5	Pass
				10	3.85	-8.612	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.939	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0028	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	57.249	0.0223	-2.5 to 2.5	Pass
					3.85	43.273	0.0168	-2.5 to 2.5	Pass
					4.43	57.135	0.0222	-2.5 to 2.5	Pass
				-30	3.85	50.526	0.0196	-2.5 to 2.5	Pass
				-20	3.85	43.287	0.0168	-2.5 to 2.5	Pass
				-10	3.85	58.951	0.0229	-2.5 to 2.5	Pass
				0	3.85	42.243	0.0164	-2.5 to 2.5	Pass
				10	3.85	47.851	0.0186	-2.5 to 2.5	Pass
				30	3.85	48.108	0.0187	-2.5 to 2.5	Pass
				40	3.85	63.457	0.0247	-2.5 to 2.5	Pass
	50	3.85	45.676	0.0178	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-2.503	-0.0010	-2.5 to 2.5	Pass
					3.85	-8.283	-0.0032	-2.5 to 2.5	Pass
					4.43	-17.953	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-7.439	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-17.624	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-16.551	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-13.247	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-13.733	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0035	-2.5 to 2.5	Pass
	50	3.85	2.875	0.0011	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	-2.460	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
					4.43	-5.965	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-13.461	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	4.520	0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-8.740	-0.0033	-2.5 to 2.5	Pass
30				3.85	-12.345	-0.0047	-2.5 to 2.5	Pass	
40				3.85	-8.368	-0.0032	-2.5 to 2.5	Pass	
50	3.85	-0.157	-0.0001	-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	-4.721	-0.0018	-2.5 to 2.5	Pass
					3.85	-9.670	-0.0038	-2.5 to 2.5	Pass
					4.43	-9.699	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-12.774	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-8.926	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-13.633	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-11.859	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-12.732	-0.0049	-2.5 to 2.5	Pass

16QAM	2595	50	0	50	3.85	-11.630	-0.0045	-2.5 to 2.5	Pass
				20	3.27	3.877	0.0015	-2.5 to 2.5	Pass
					3.85	-5.236	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-18.926	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-7.424	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.522	-0.0021	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-11.587	-0.0044	-2.5 to 2.5	Pass
					3.85	-8.368	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	1.788	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.519	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-9.799	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.755	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-12.689	-0.0049	-2.5 to 2.5	Pass
	2575	50	0	20	3.27	-5.336	-0.0021	-2.5 to 2.5	Pass
					3.85	-18.497	-0.0072	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.237	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-18.568	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-8.283	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-6.766	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-11.730	-0.0045	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.337	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	-17.610	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				50	3.85	4.206	0.0016	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-2.947	-0.0011	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0037	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.533	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.190	-0.0012	-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	-1.187	-0.0005	-2.5 to 2.5	Pass
					3.85	1.044	0.0004	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.580	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-9.098	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0004	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-8.440	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
					4.43	-10.114	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-9.913	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0021	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-11.144	-0.0043	-2.5 to 2.5	Pass
					3.85	-11.330	-0.0043	-2.5 to 2.5	Pass
					4.43	-12.388	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-10.057	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-13.590	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-9.155	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-13.561	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-9.584	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-10.057	-0.0038	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-6.652	-0.0026	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.130	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				0	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-3.920	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.532	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-9.155	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-5.722	-0.0022	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-8.426	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.073	-0.0004	-2.5 to 2.5	Pass

					3.85	-9.398	-0.0036	-2.5 to 2.5	Pass
					4.43	-10.715	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-11.873	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-12.059	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-11.930	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-11.330	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-9.041	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-8.397	-0.0032	-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	-3.648	-0.0014	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0033	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-9.627	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-11.945	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-8.183	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-7.081	-0.0027	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-9.685	-0.0037	-2.5 to 2.5	Pass
					3.85	-11.959	-0.0046	-2.5 to 2.5	Pass
					4.43	-8.826	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-13.332	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-11.115	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-11.287	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-13.447	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-9.842	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-9.499	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-14.877	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-9.327	-0.0036	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-8.397	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-7.210	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-13.332	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-8.240	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-12.732	-0.0049	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-6.337	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.107	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-13.375	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-9.727	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-8.712	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass

	2595	100	0	50	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				20	3.27	-13.804	-0.0053	-2.5 to 2.5	Pass
					3.85	-9.913	-0.0038	-2.5 to 2.5	Pass
					4.43	-6.838	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-11.530	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-13.776	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-9.098	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-9.799	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-10.529	-0.0041	-2.5 to 2.5	Pass
	2610	100	0	40	3.85	-12.002	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-12.059	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-8.082	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
					4.43	-9.570	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-10.757	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0029	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTVN						
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 / NTVN						
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

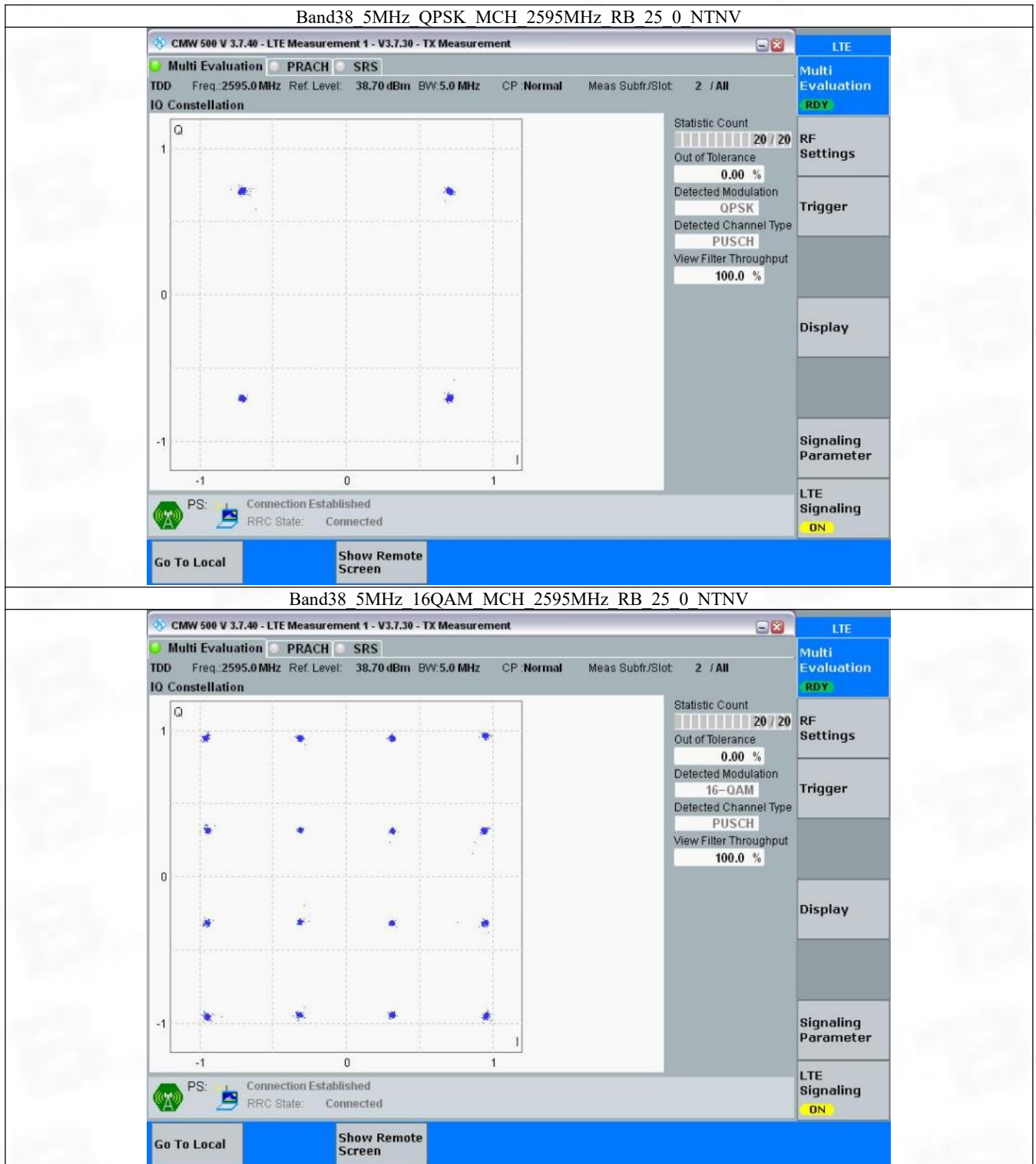
3.1.4 B38_20MHz

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

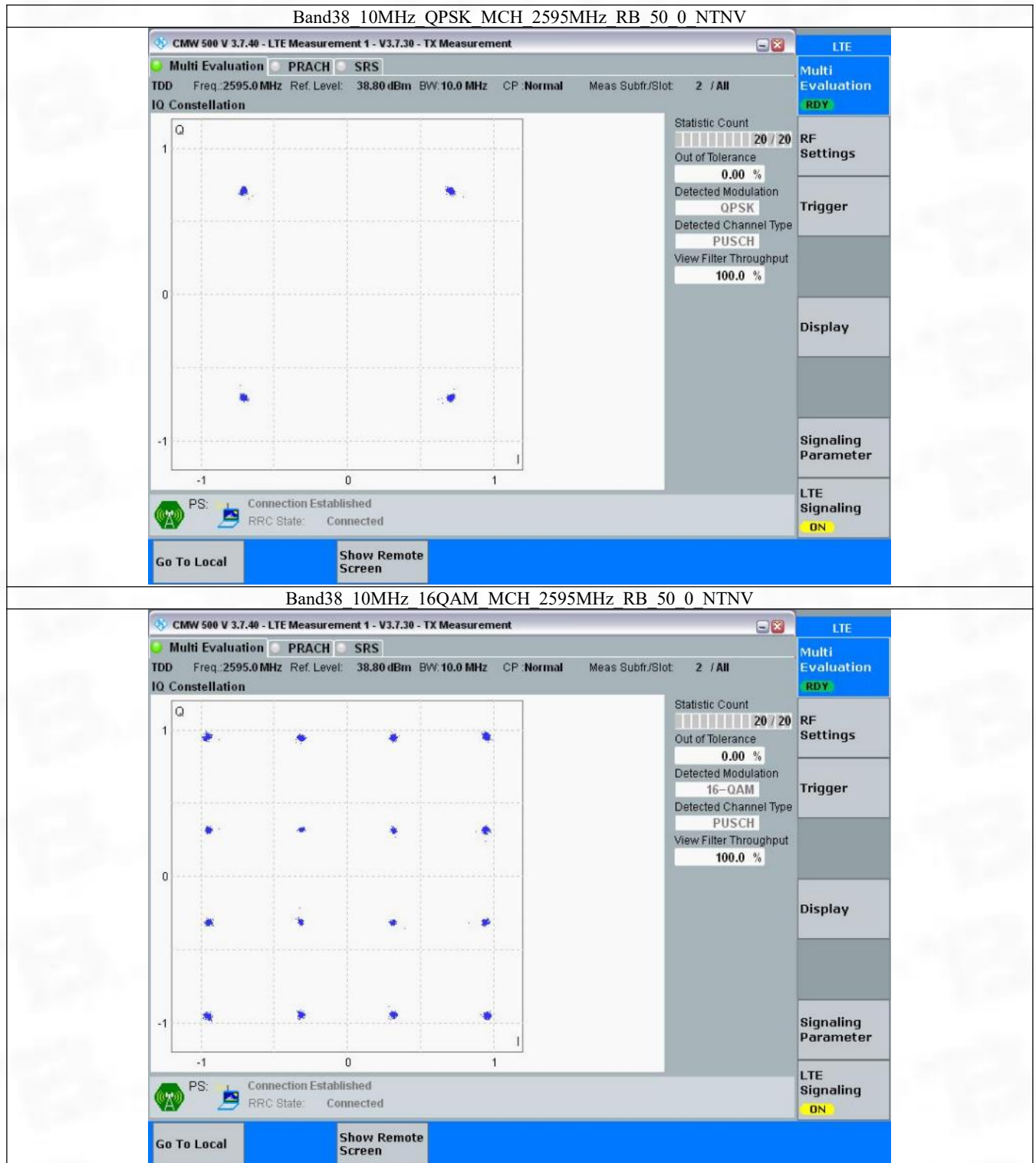
	(MHz)	Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	100	0	Refer To Test Graph		Pass

3.2 Test Graph

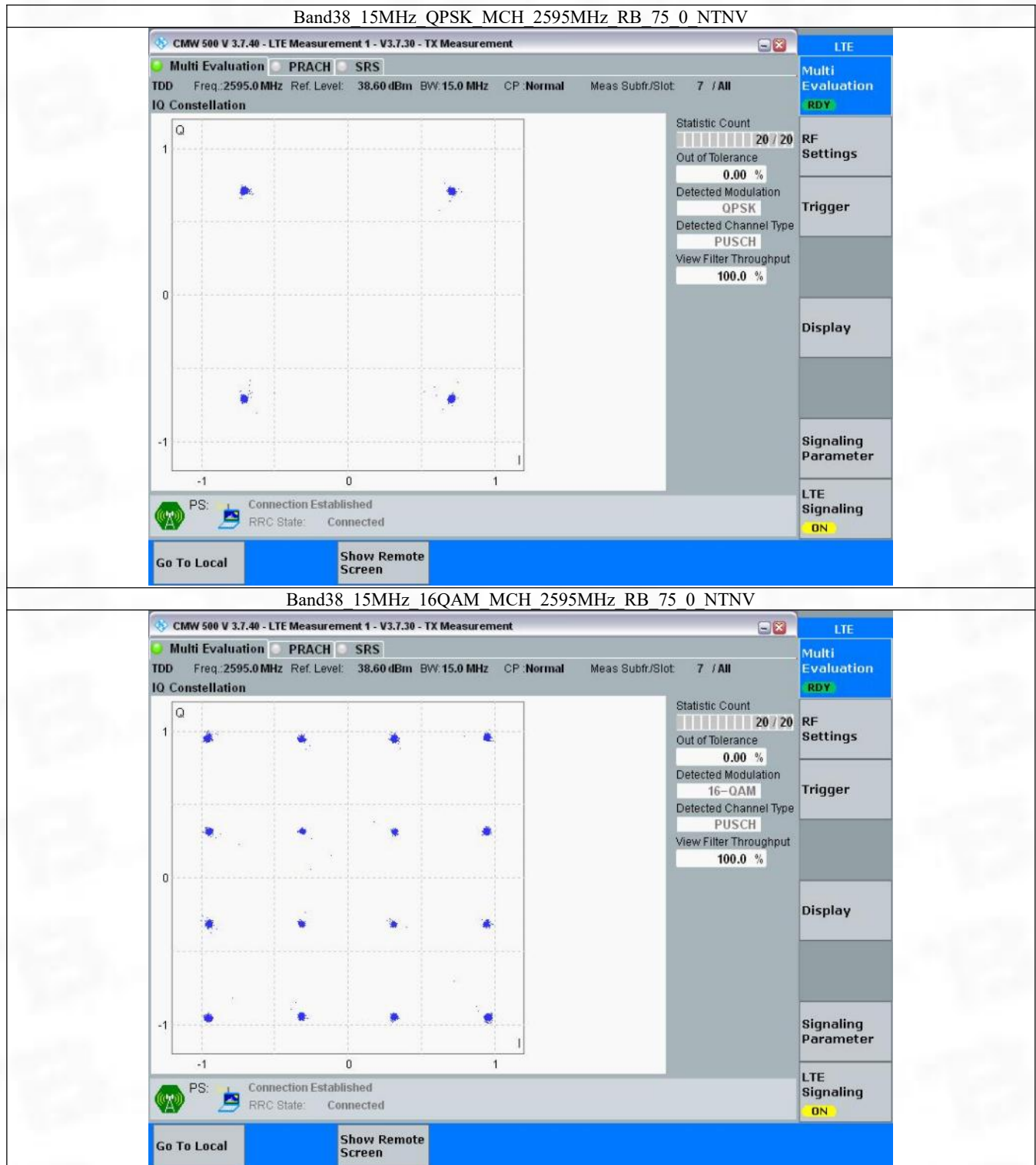
3.2.1 B38_5MHz



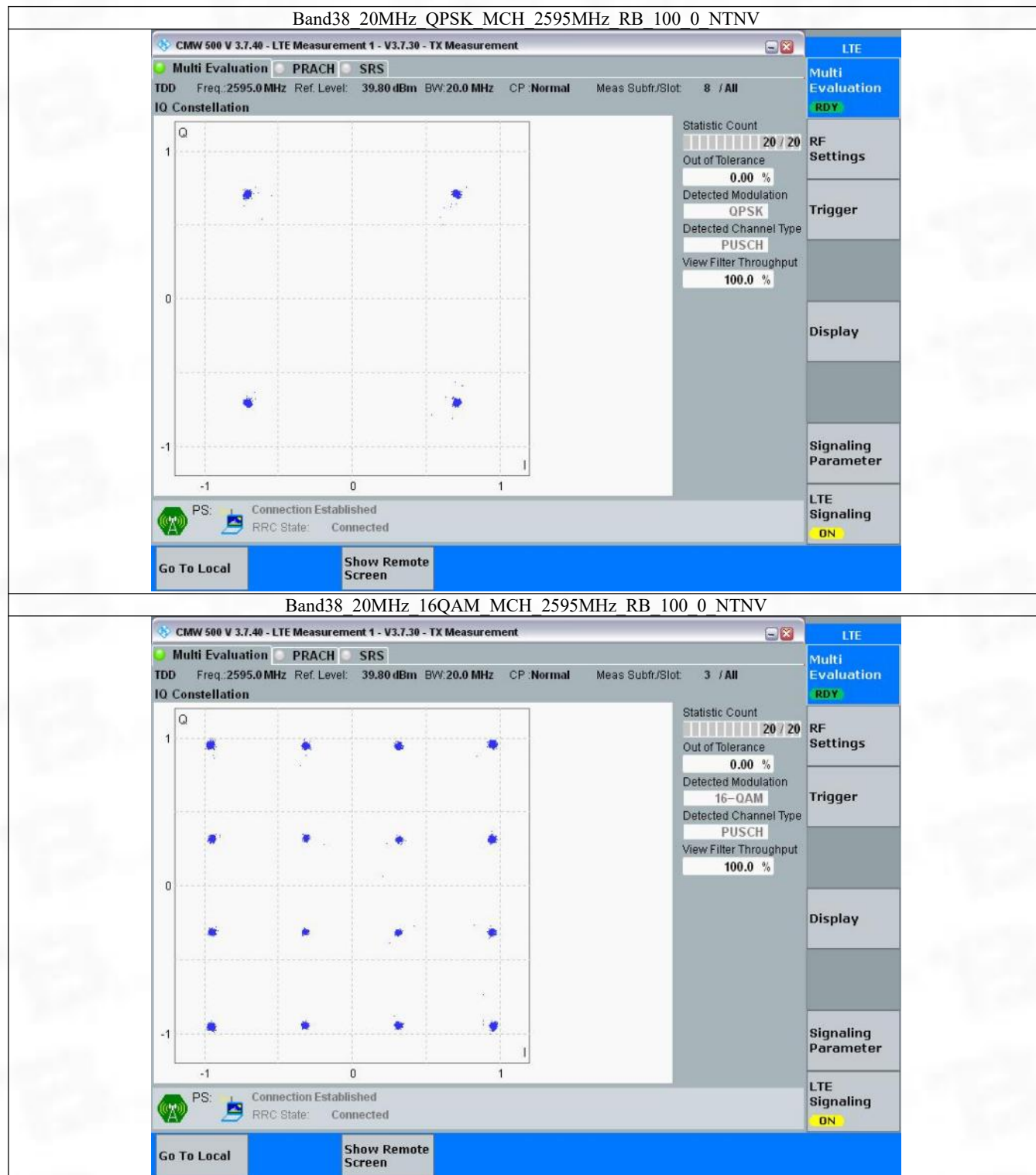
3.2.2 B38_10MHz



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	4.551	/	Pass
		2617.5	25	0	4.543	/	Pass
	16QAM	2572.5	25	0	4.545	/	Pass
		2595	25	0	4.532	/	Pass
		2617.5	25	0	4.554	/	Pass
10	QPSK	2575	50	0	9.090	/	Pass
		2595	50	0	9.059	/	Pass
		2615	50	0	9.077	/	Pass
	16QAM	2575	50	0	9.075	/	Pass
		2595	50	0	9.053	/	Pass
		2615	50	0	9.064	/	Pass
15	QPSK	2577.5	75	0	13.568	/	Pass
		2595	75	0	13.586	/	Pass
		2612.5	75	0	13.601	/	Pass
	16QAM	2577.5	75	0	13.622	/	Pass
		2595	75	0	13.593	/	Pass
		2612.5	75	0	13.631	/	Pass
20	QPSK	2580	100	0	18.140	/	Pass
		2595	100	0	18.066	/	Pass
		2610	100	0	18.137	/	Pass
	16QAM	2580	100	0	18.092	/	Pass
		2595	100	0	18.101	/	Pass
		2610	100	0	18.051	/	Pass

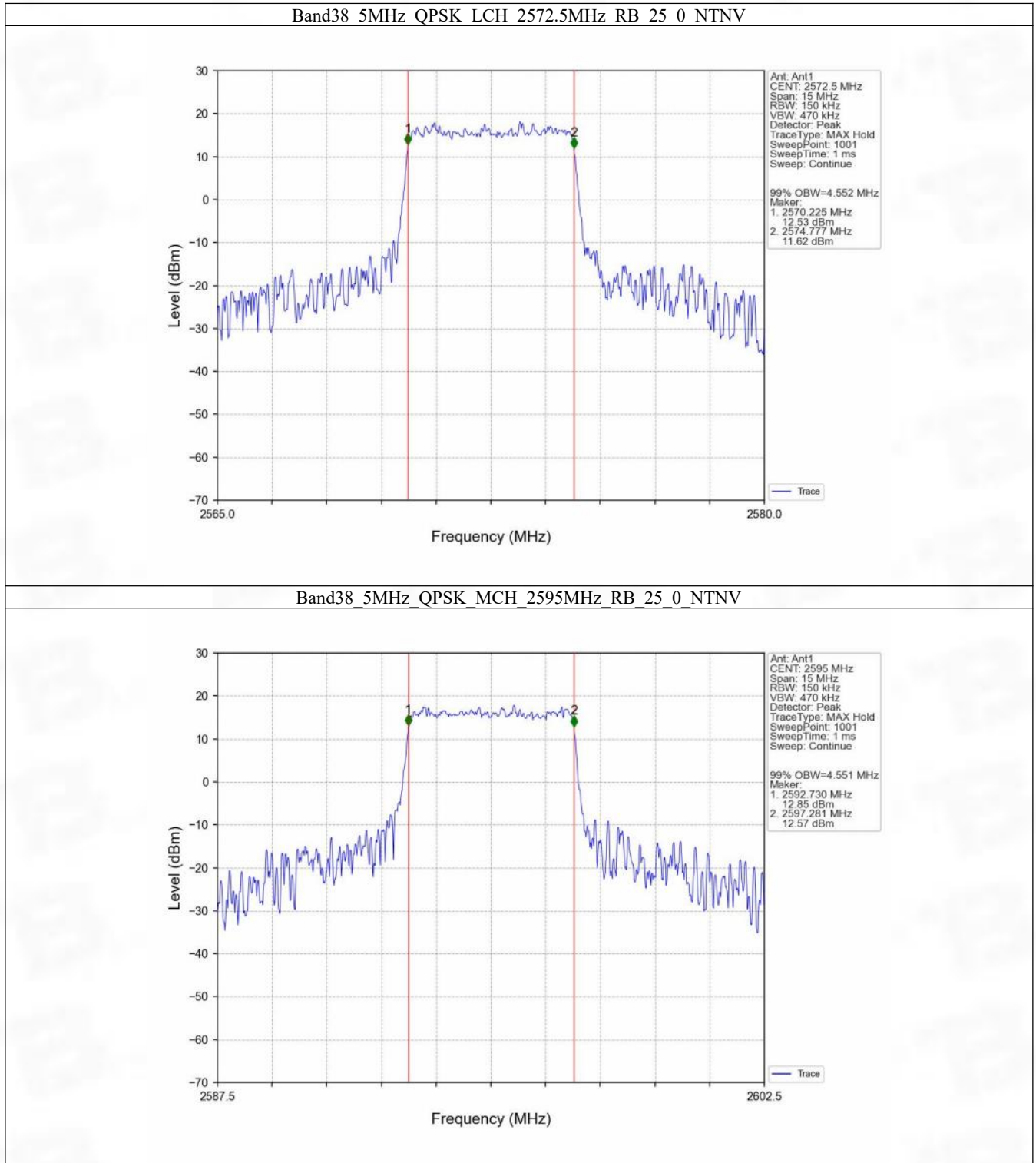
4.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.035	/	Pass
		2595	25	0	5.308	/	Pass
		2617.5	25	0	5.121	/	Pass
	16QAM	2572.5	25	0	5.292	/	Pass
		2595	25	0	5.020	/	Pass
		2617.5	25	0	5.069	/	Pass
10	QPSK	2575	50	0	10.397	/	Pass
		2595	50	0	10.204	/	Pass
		2615	50	0	9.994	/	Pass
	16QAM	2575	50	0	10.899	/	Pass
		2595	50	0	9.926	/	Pass
		2615	50	0	10.142	/	Pass
15	QPSK	2577.5	75	0	15.977	/	Pass
		2595	75	0	15.718	/	Pass
		2612.5	75	0	14.926	/	Pass
	16QAM	2577.5	75	0	15.756	/	Pass
		2595	75	0	15.635	/	Pass
		2612.5	75	0	15.635	/	Pass

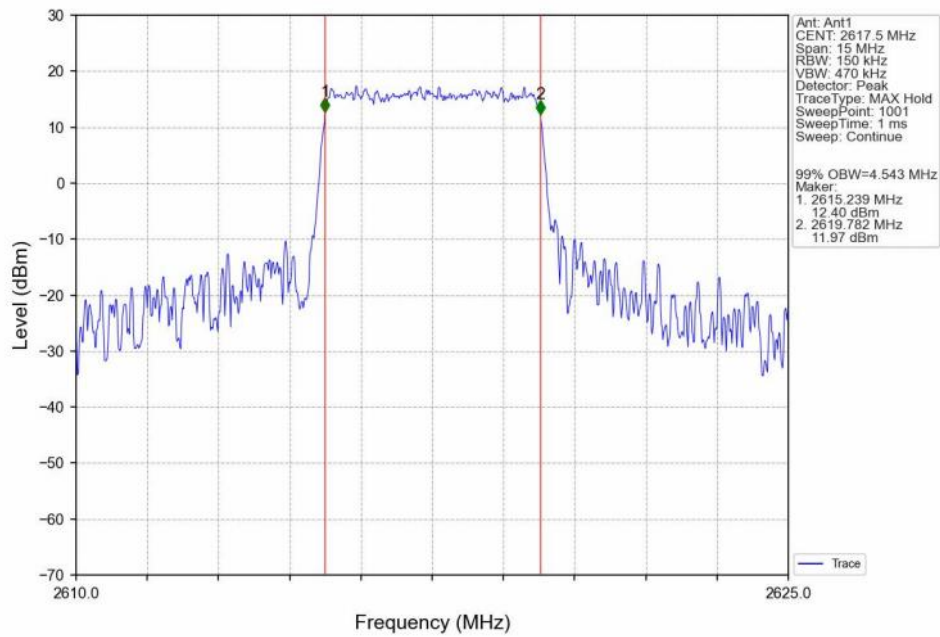
20	QPSK	2612.5	75	0	15.158	/	Pass
		2580	100	0	21.110	/	Pass
		2595	100	0	19.650	/	Pass
		2610	100	0	20.769	/	Pass
	16QAM	2580	100	0	19.638	/	Pass
		2595	100	0	22.724	/	Pass
		2610	100	0	19.903	/	Pass

4.2 Test Graph

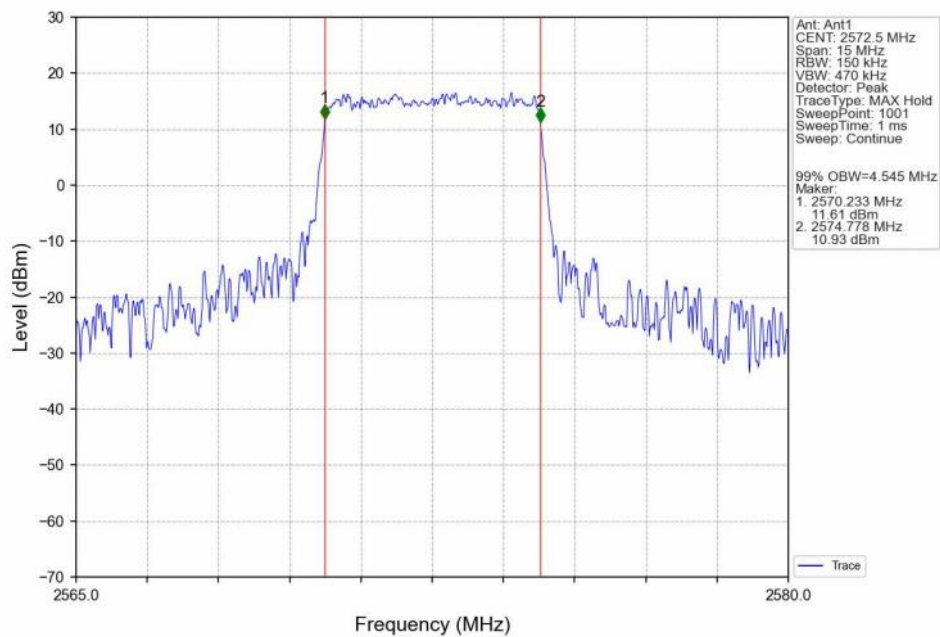
4.2.1 Band38_OBW



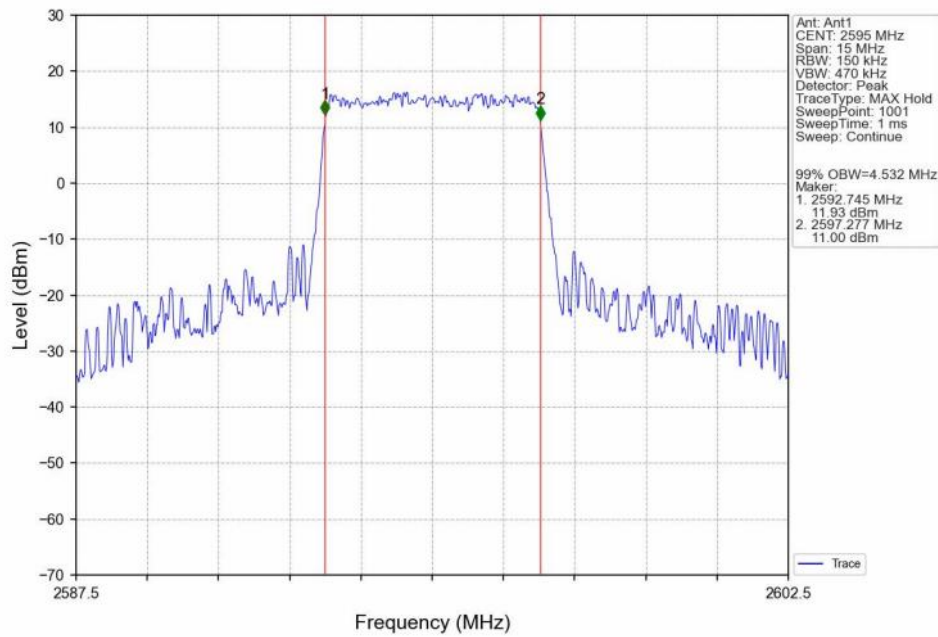
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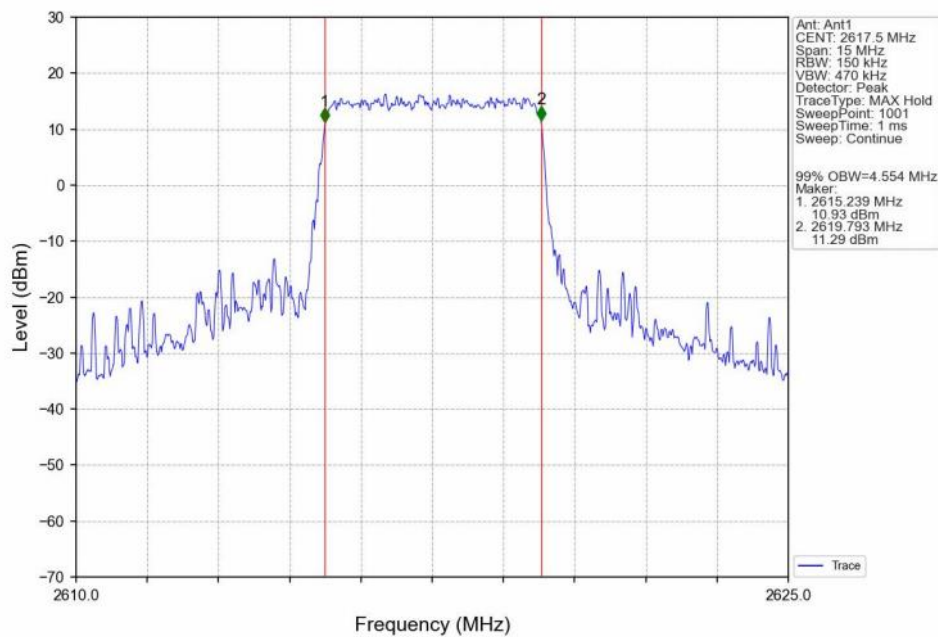
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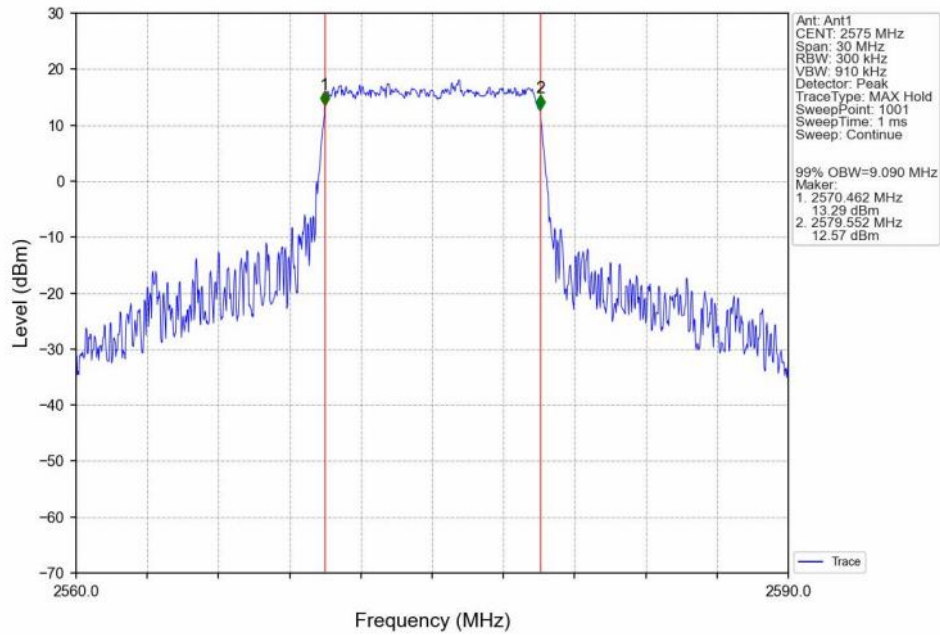
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



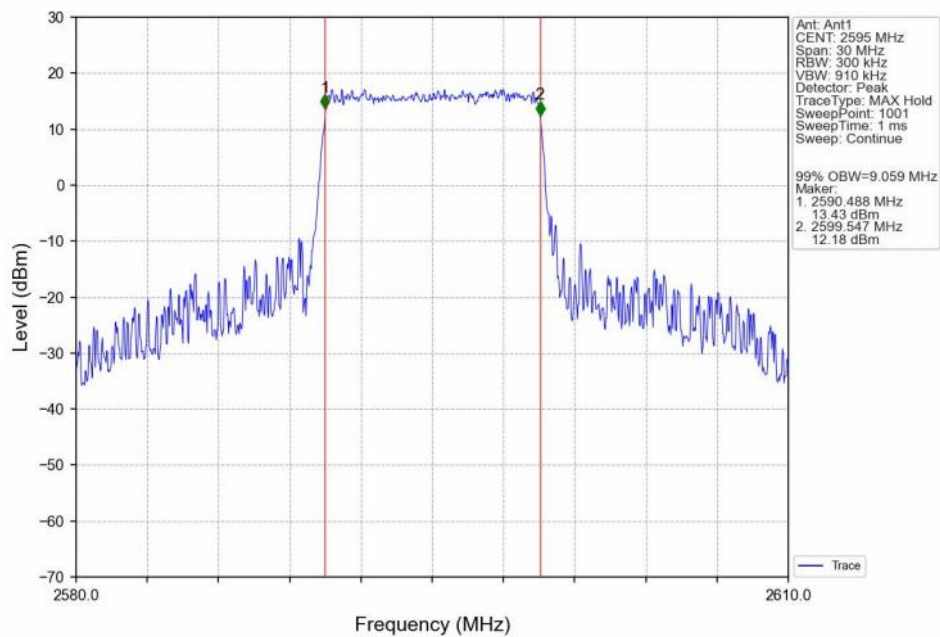
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



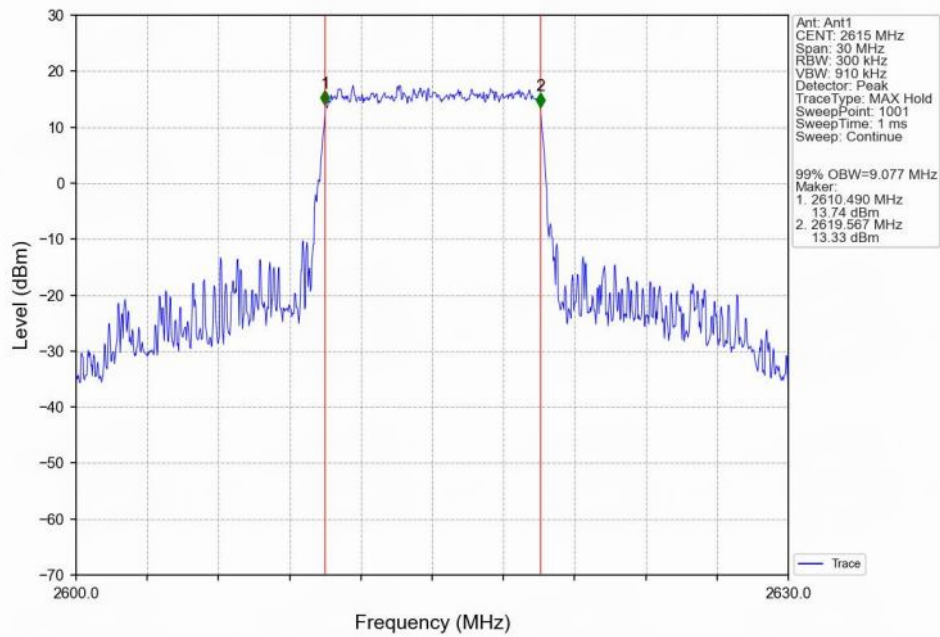
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



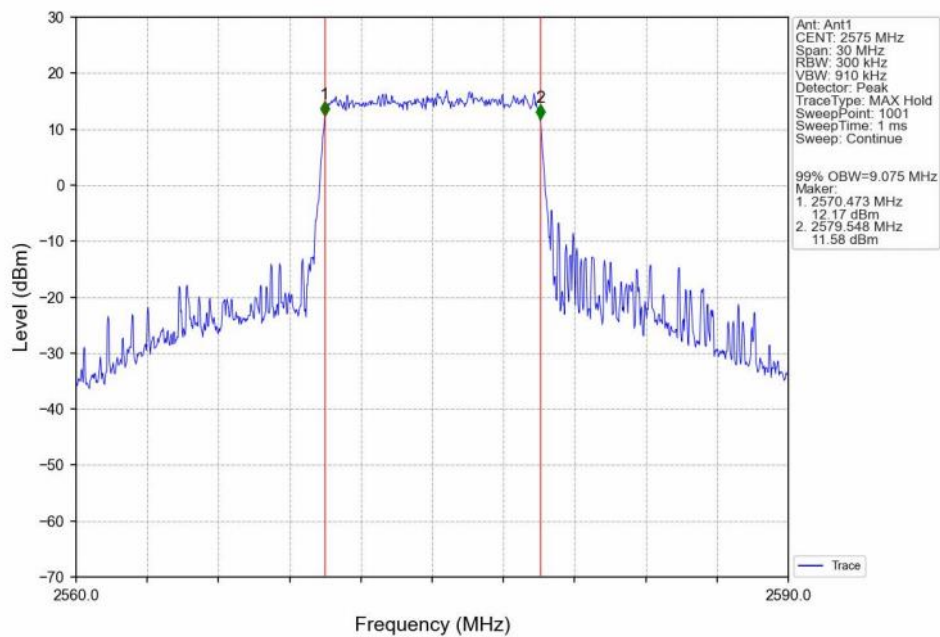
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



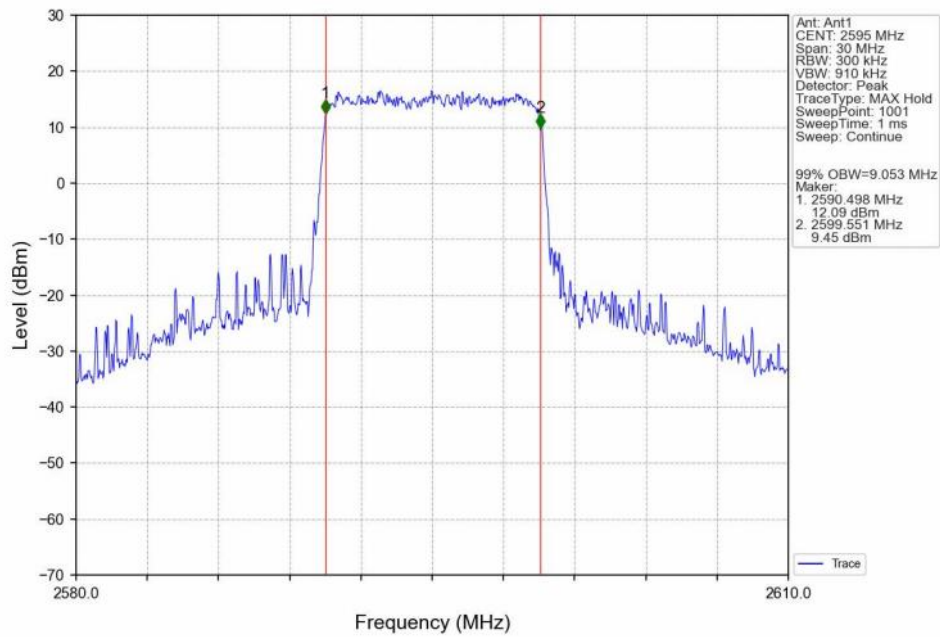
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



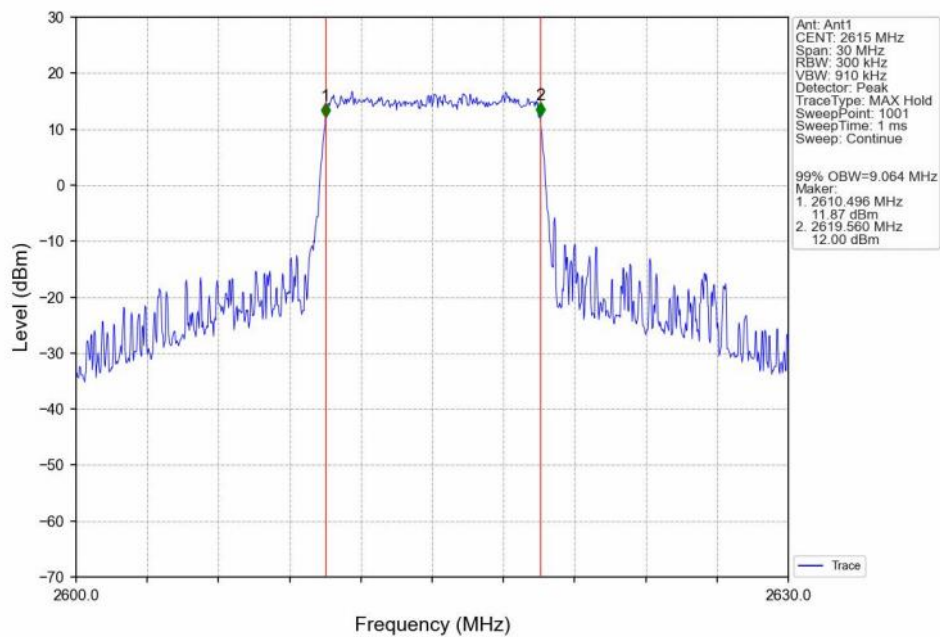
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



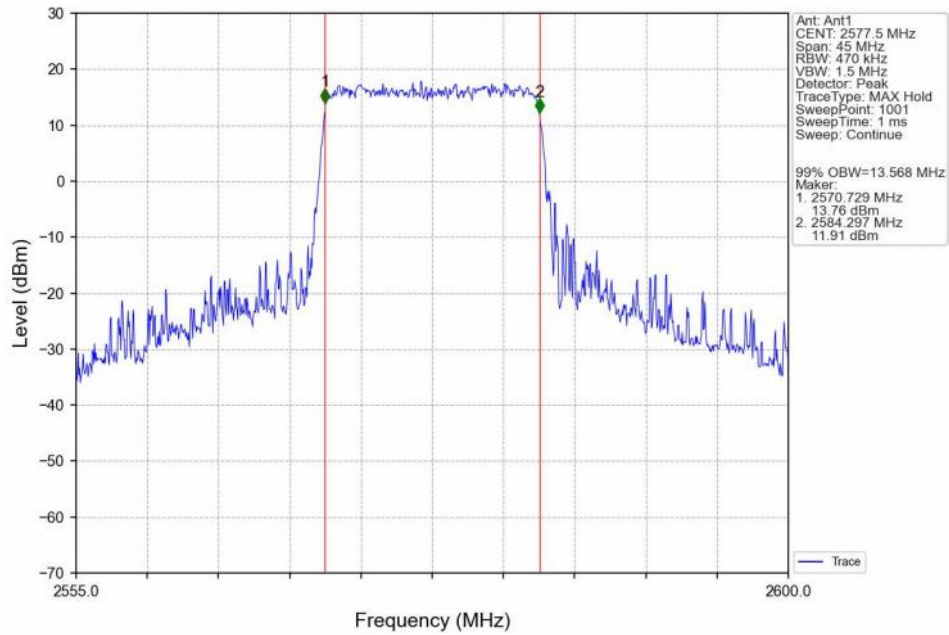
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



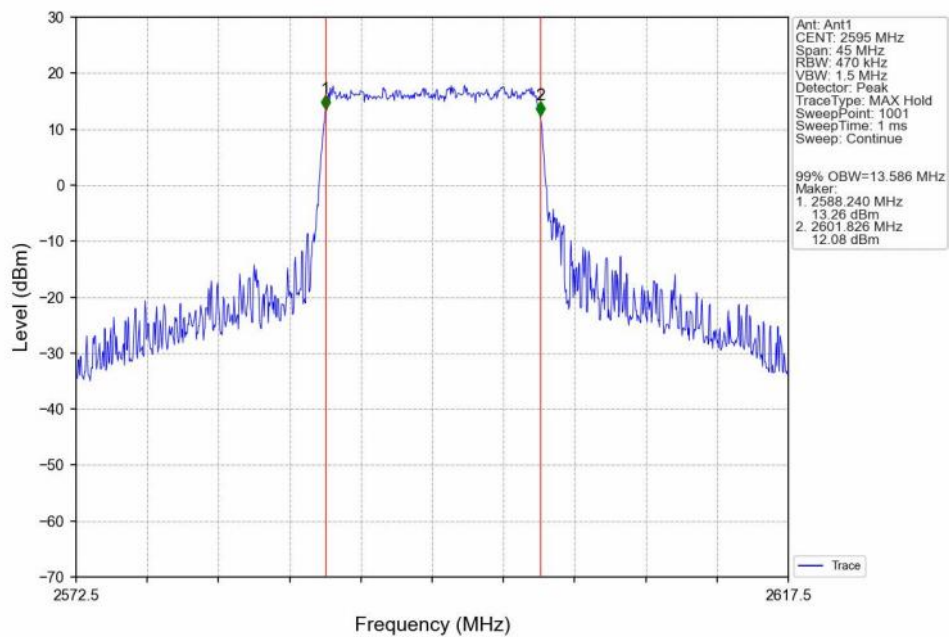
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



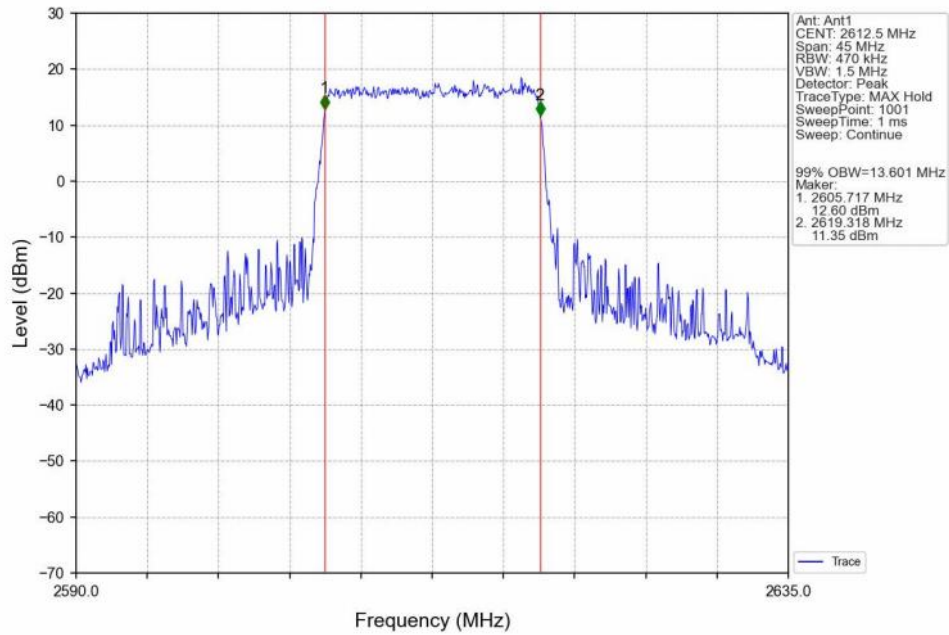
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



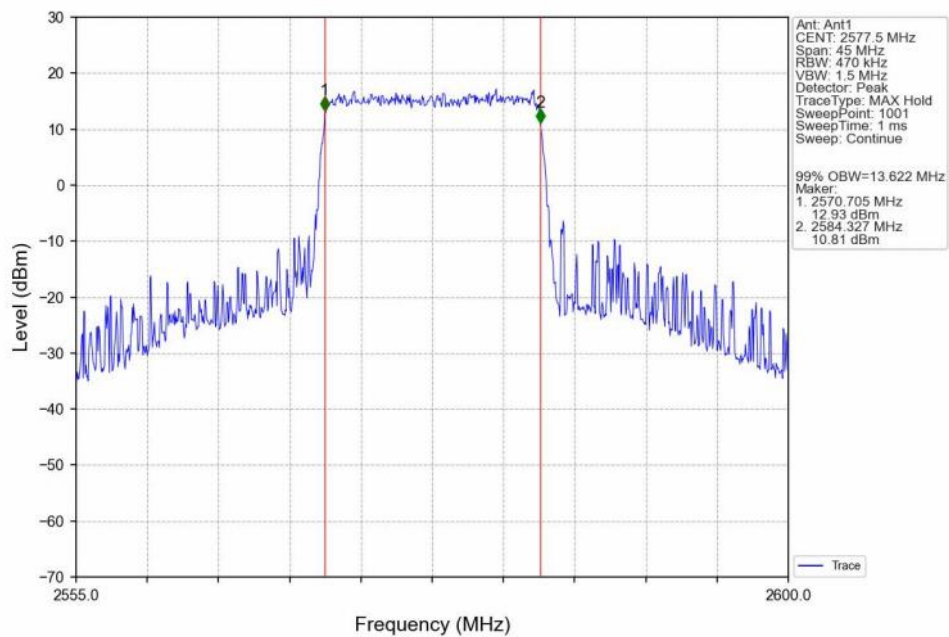
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



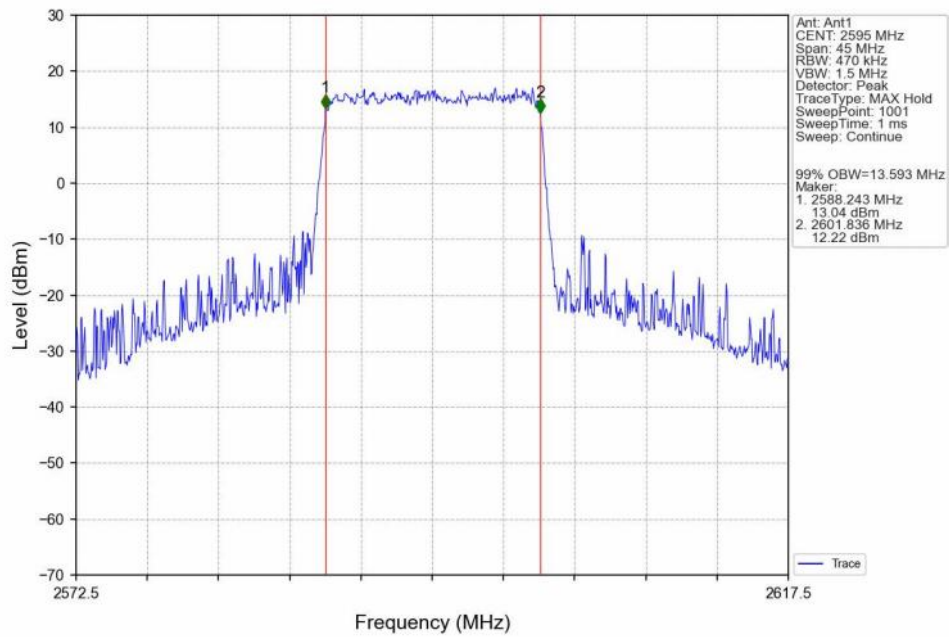
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



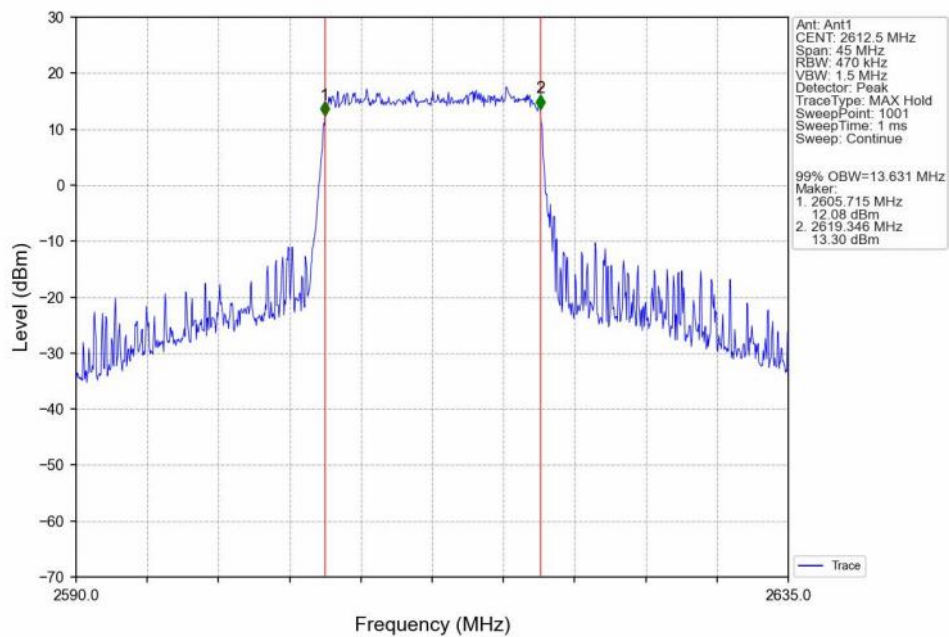
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



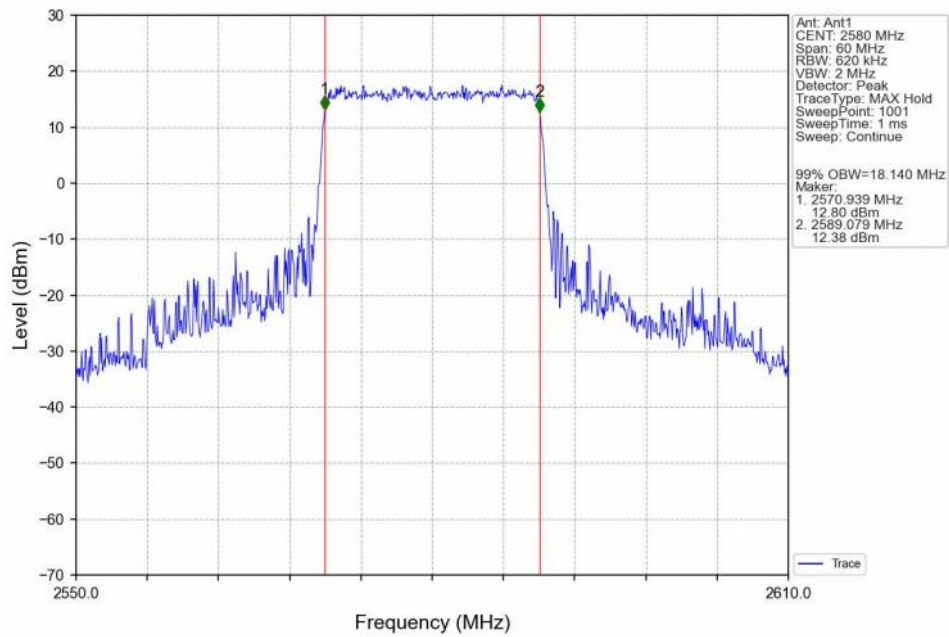
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



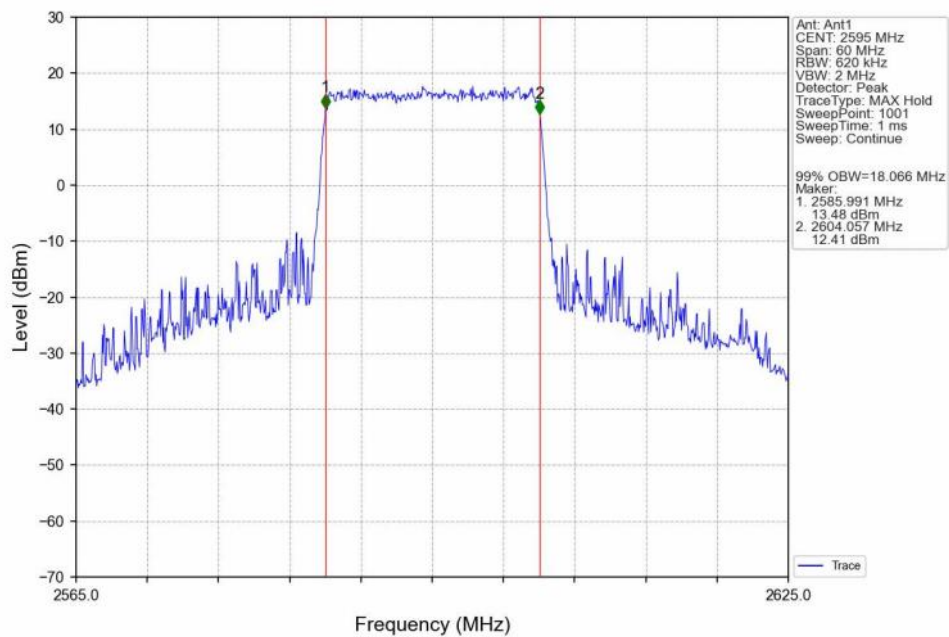
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



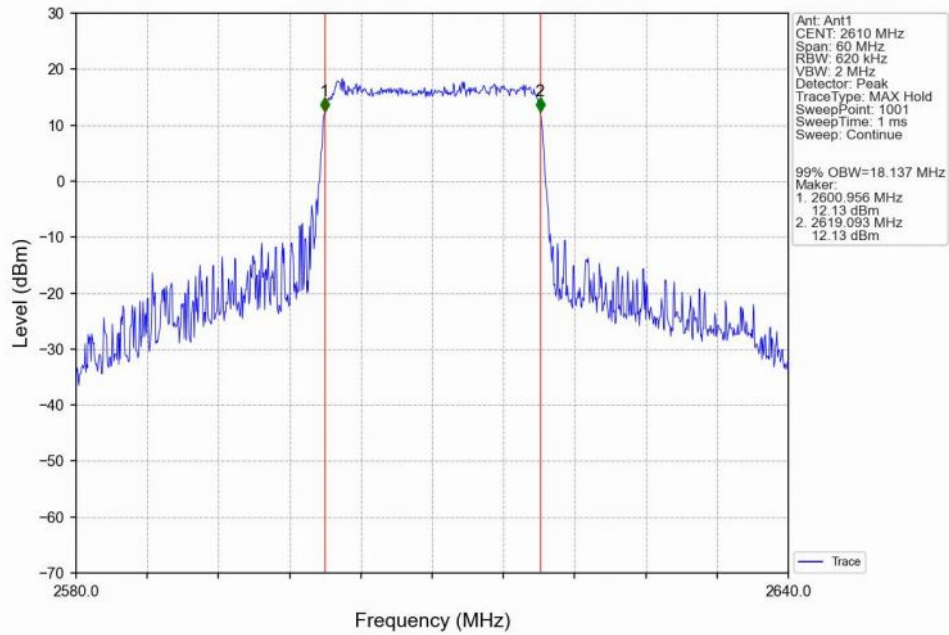
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



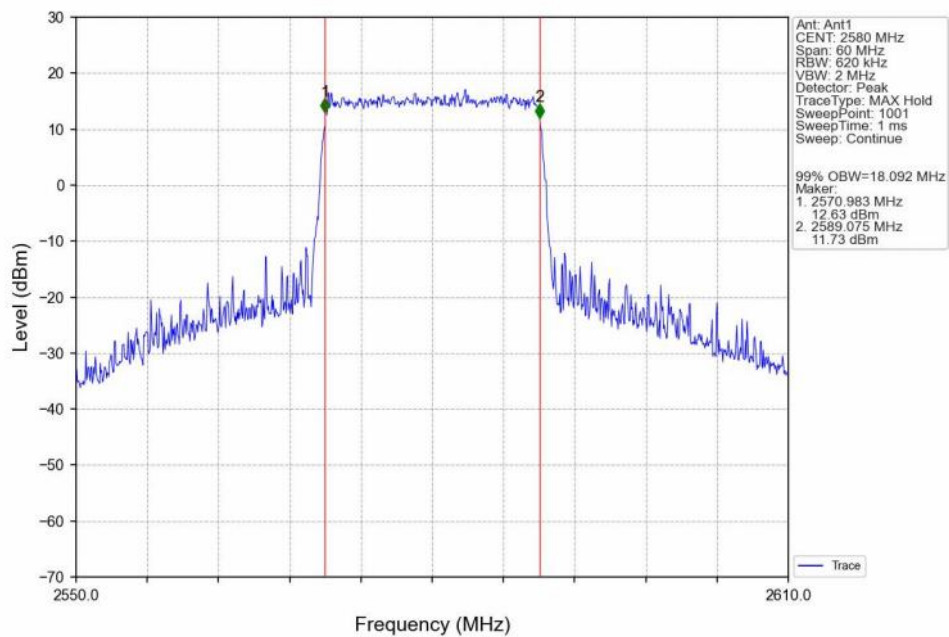
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



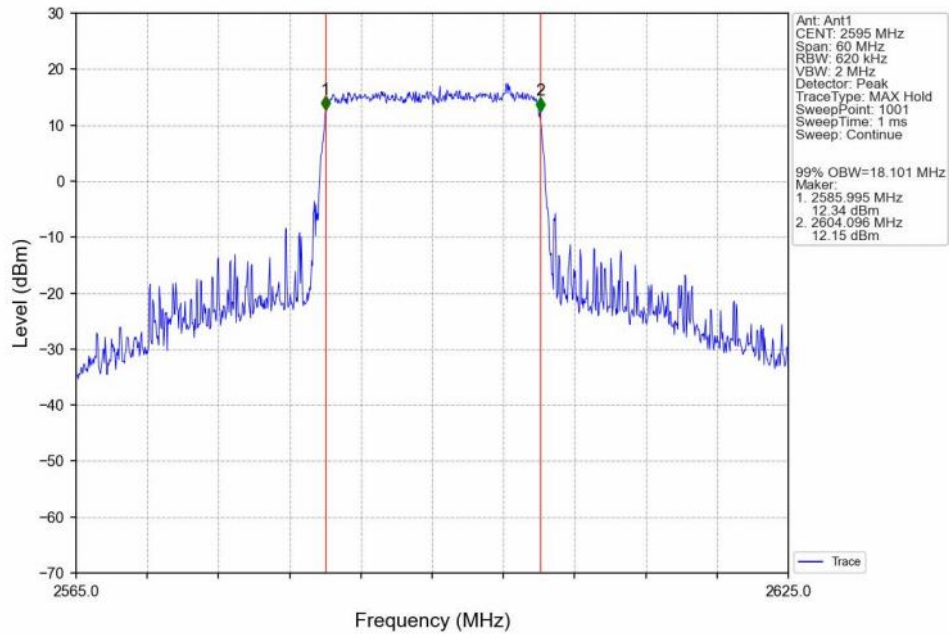
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



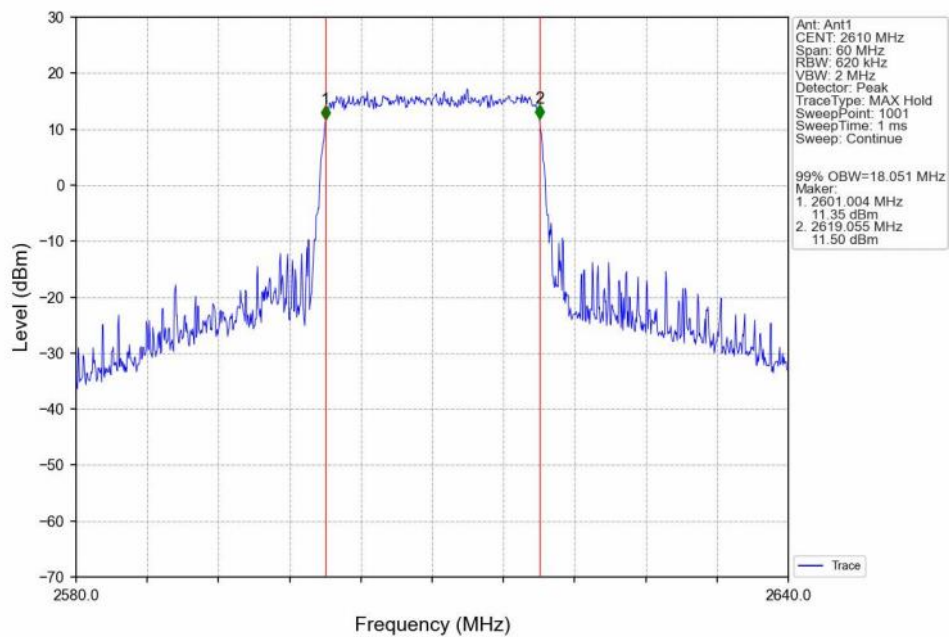
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



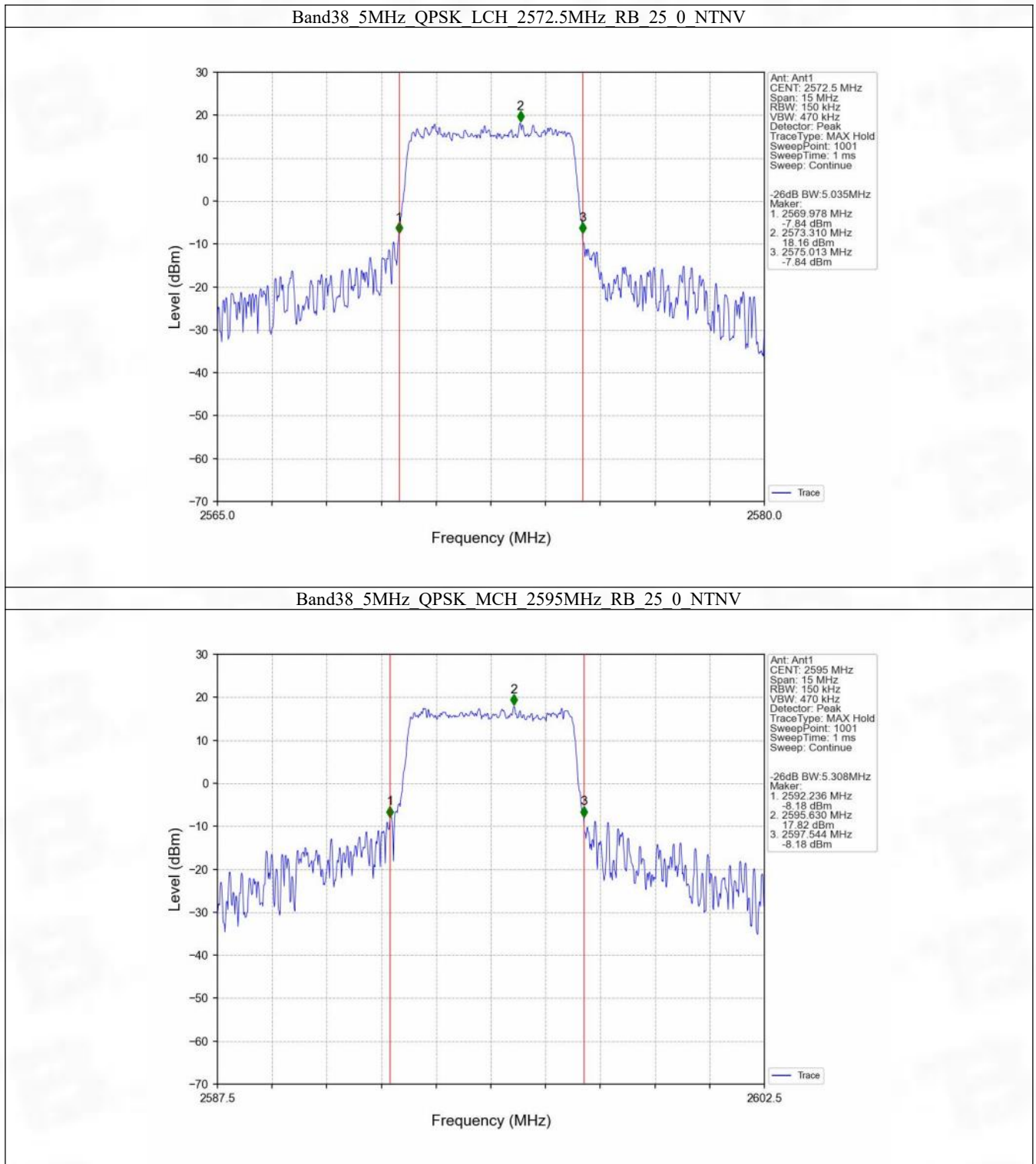
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



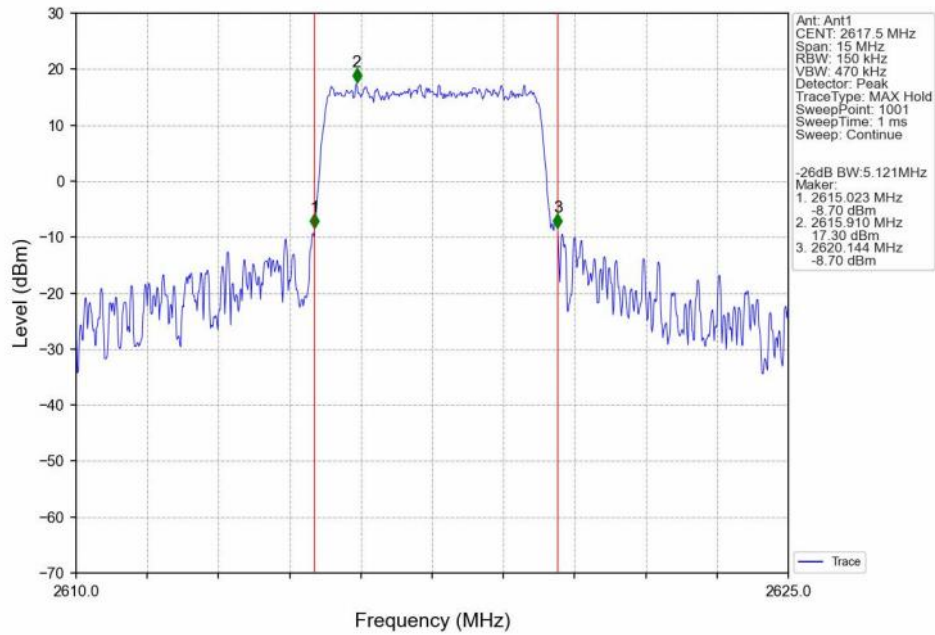
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



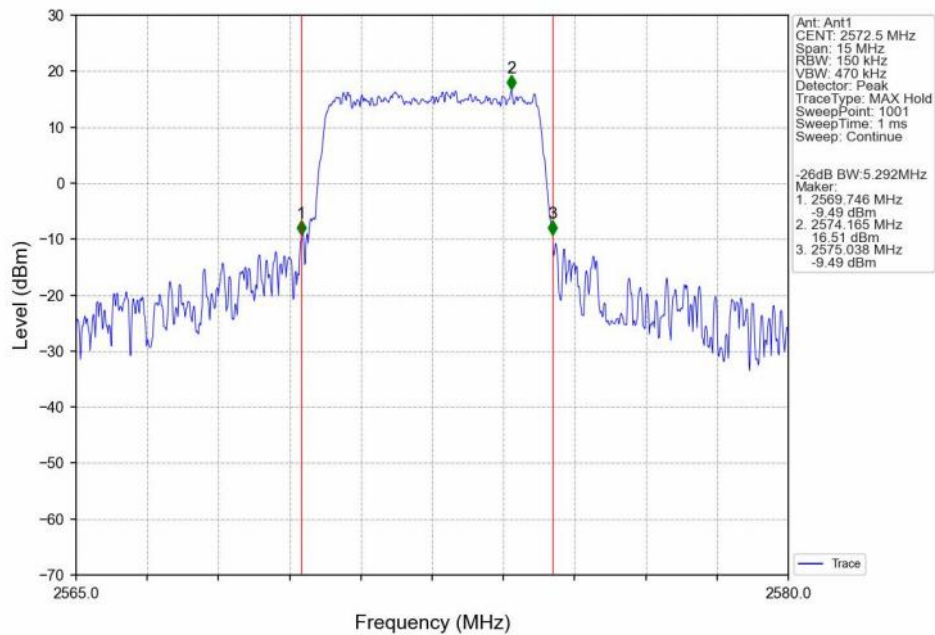
4.2.2 Band38_XDB



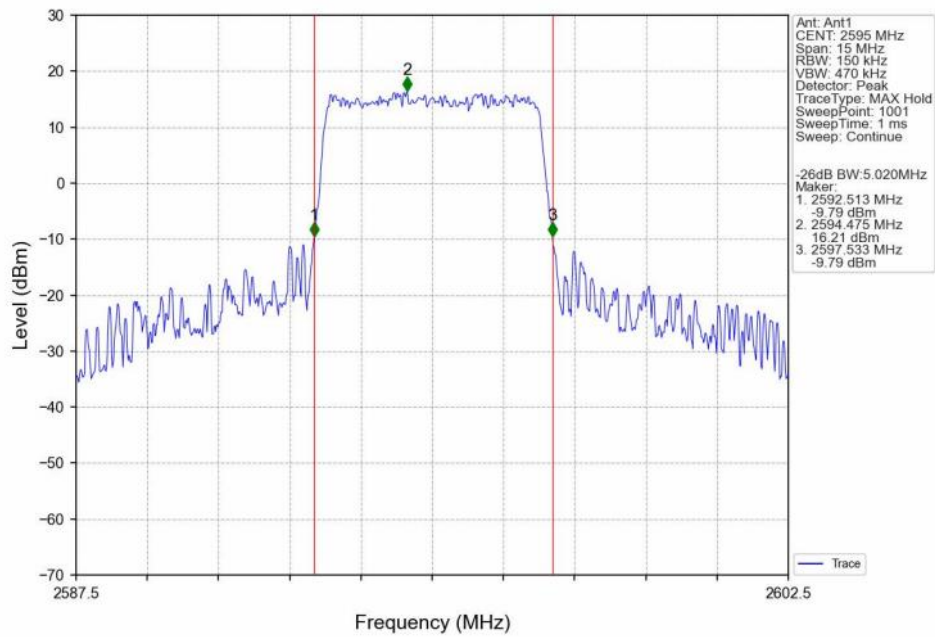
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



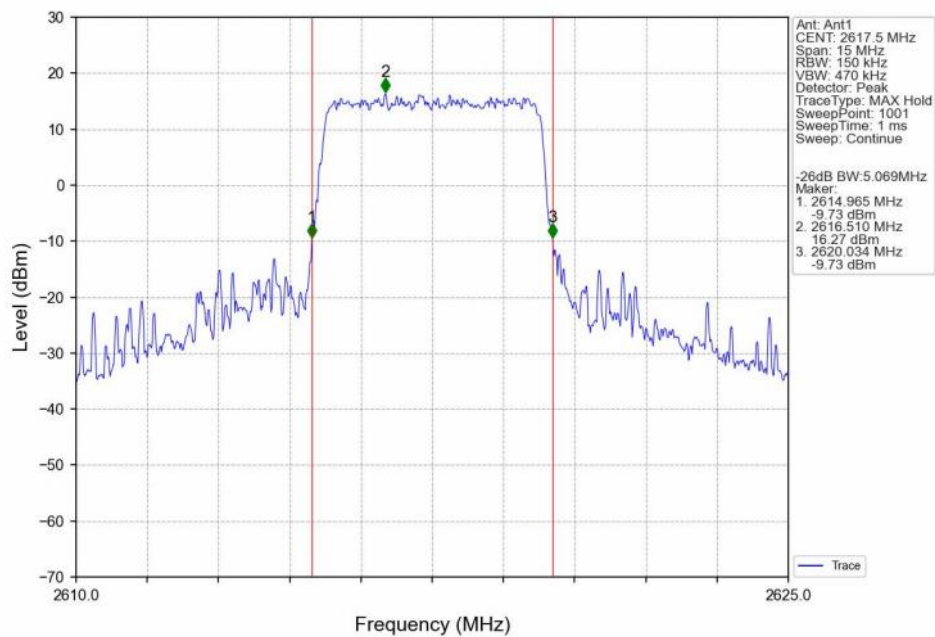
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



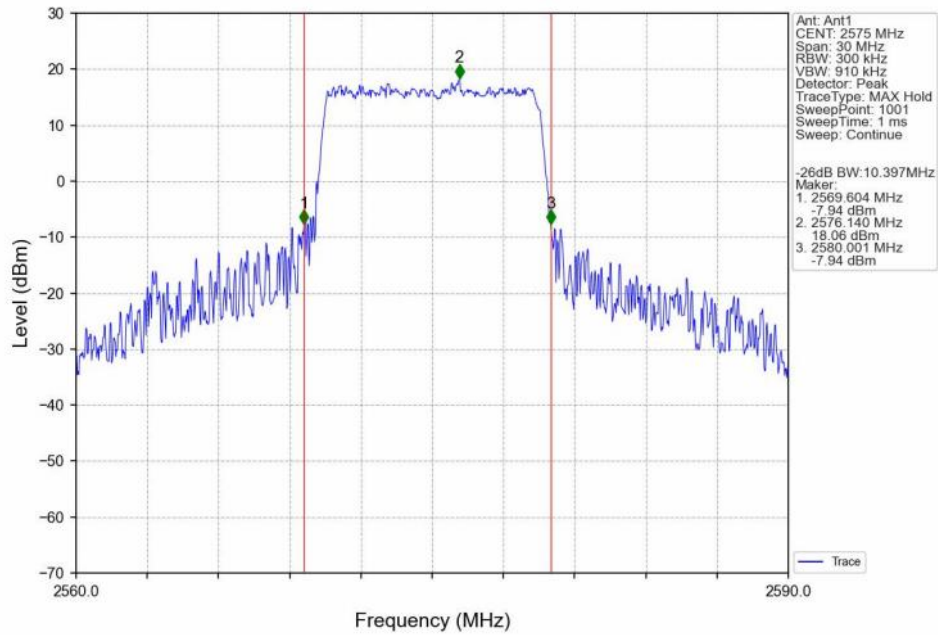
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



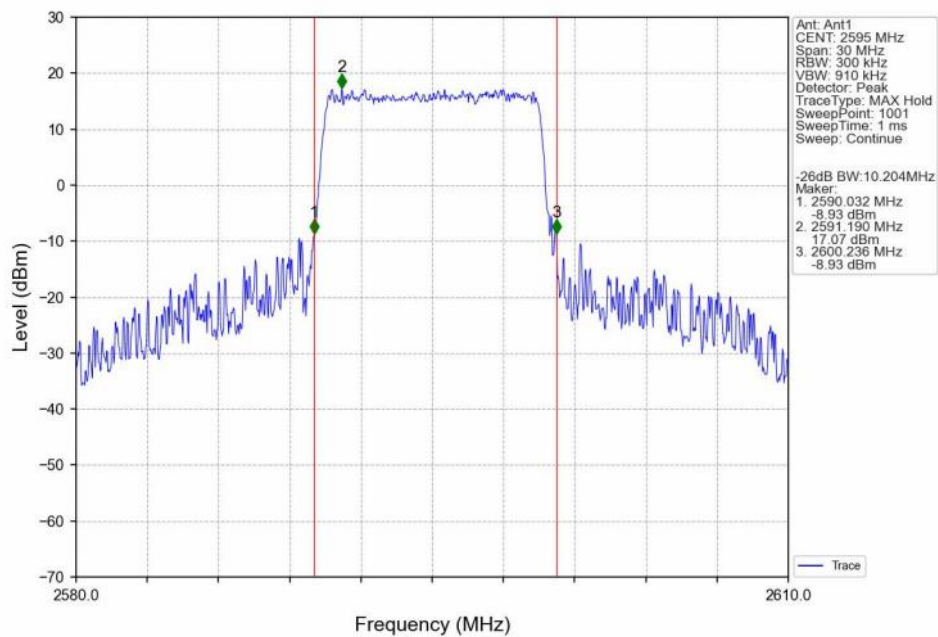
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



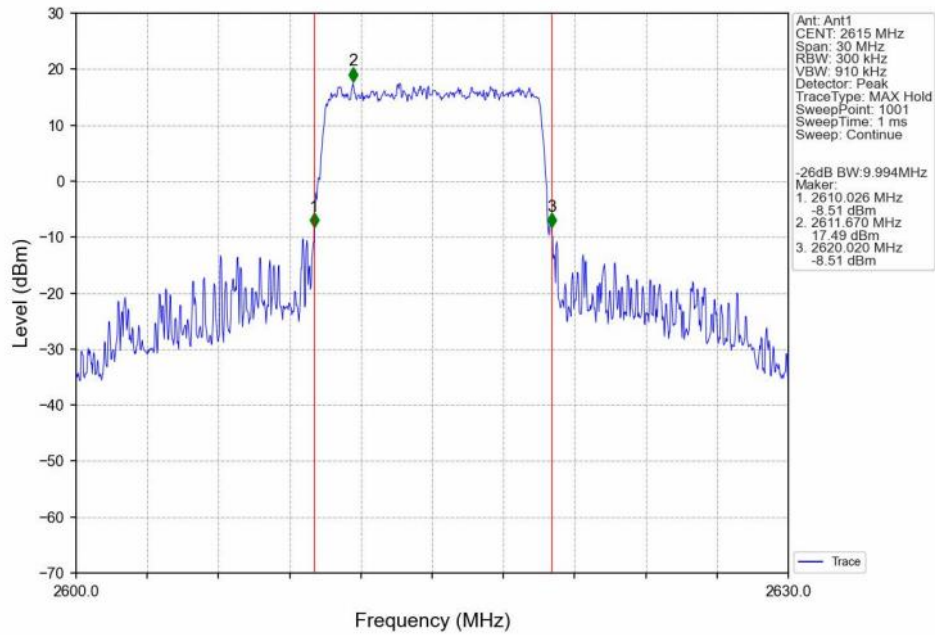
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



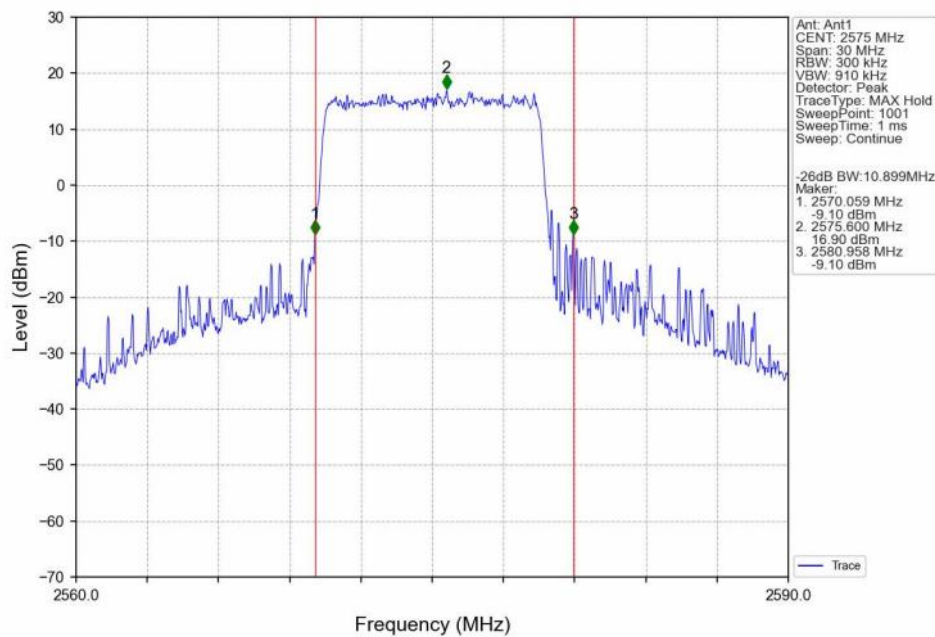
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



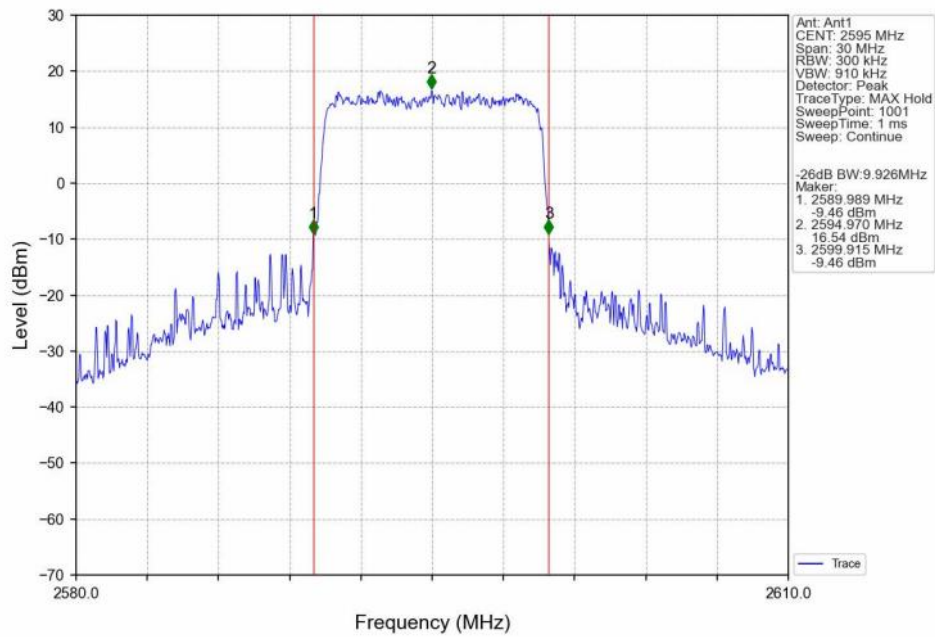
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



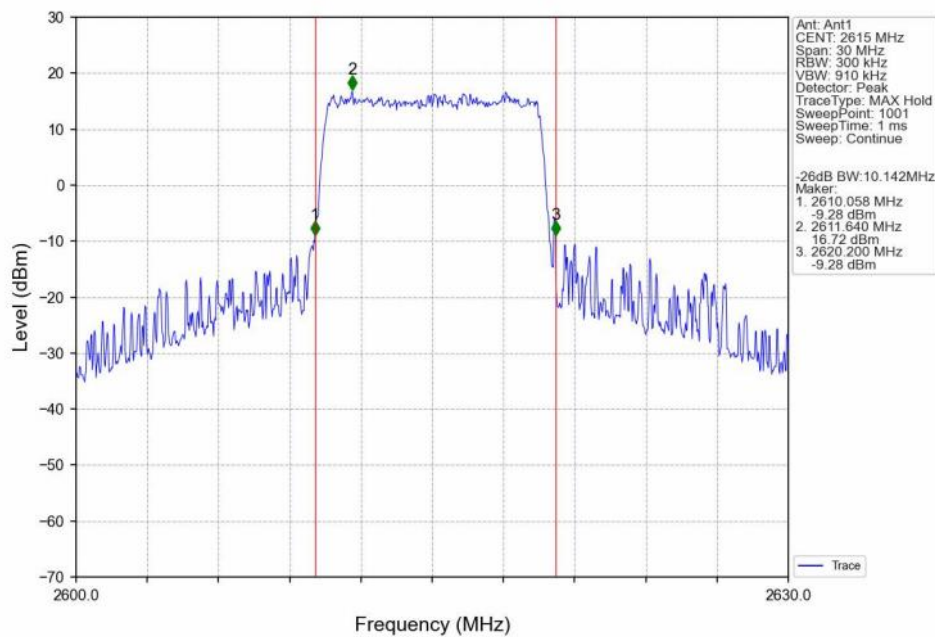
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



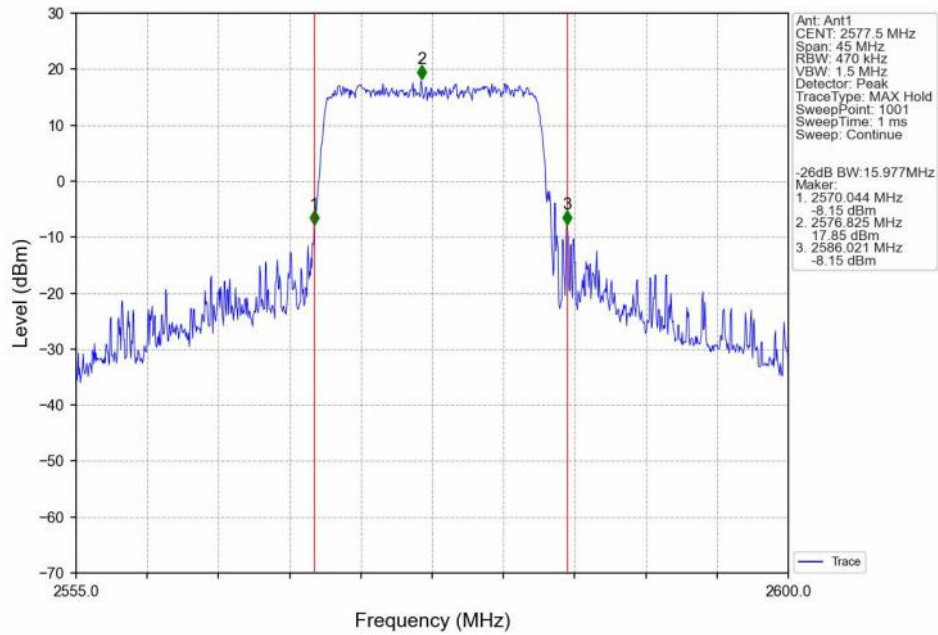
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



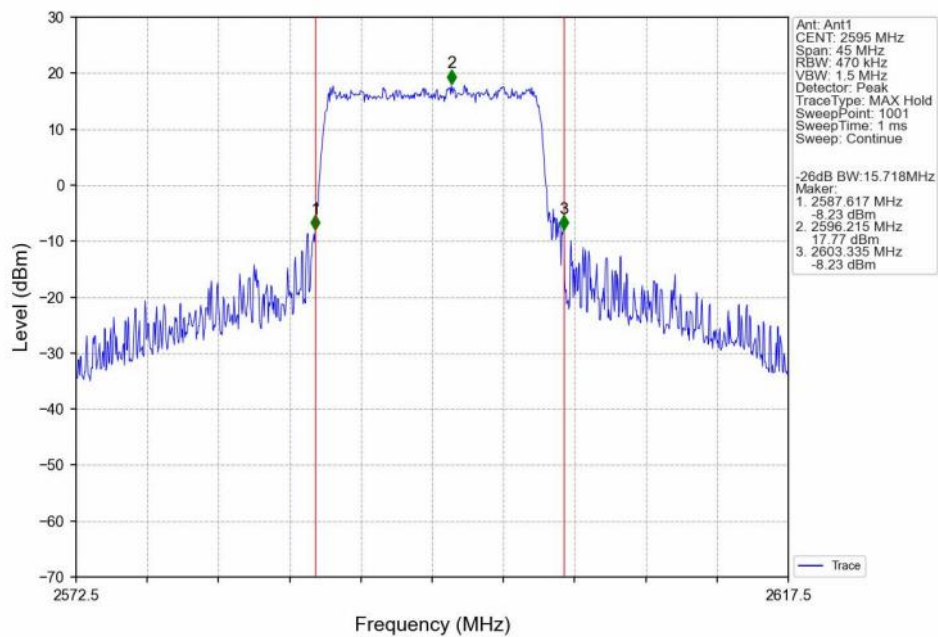
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



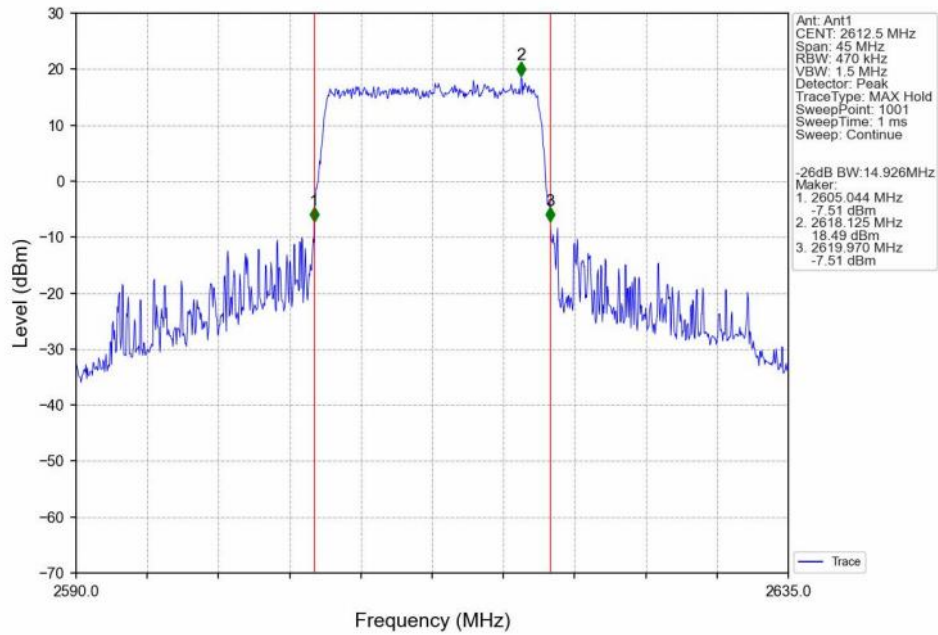
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



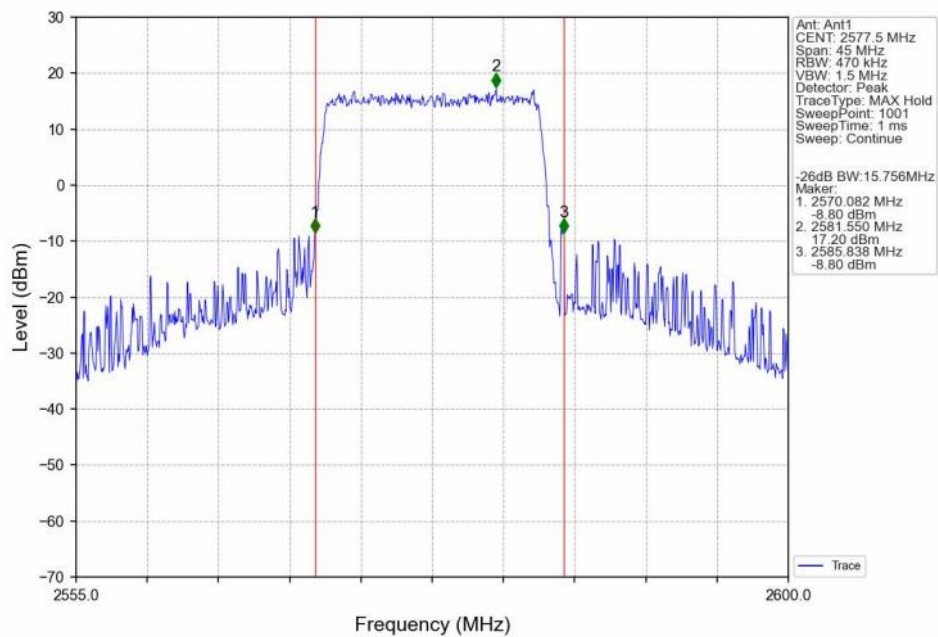
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



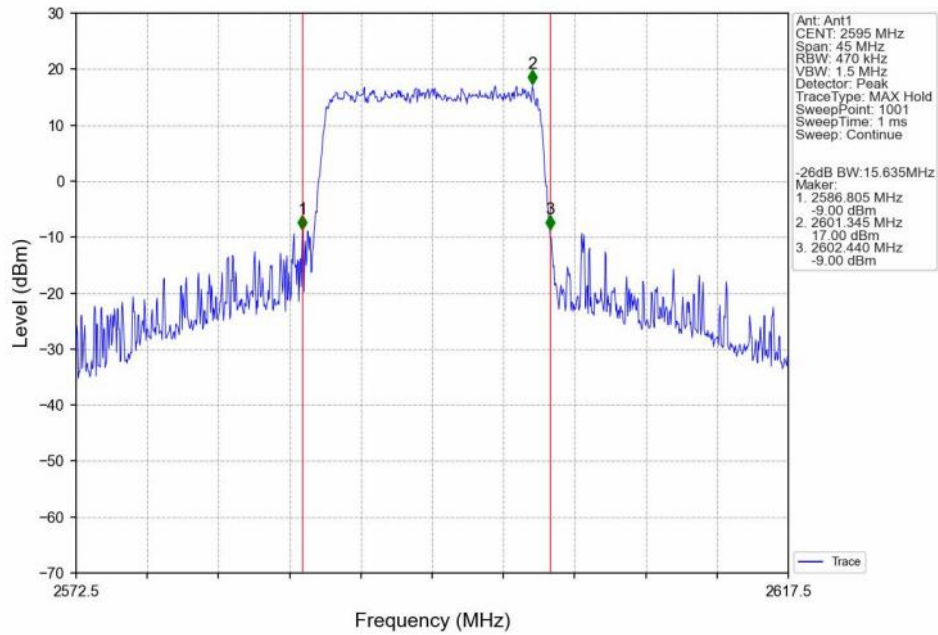
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



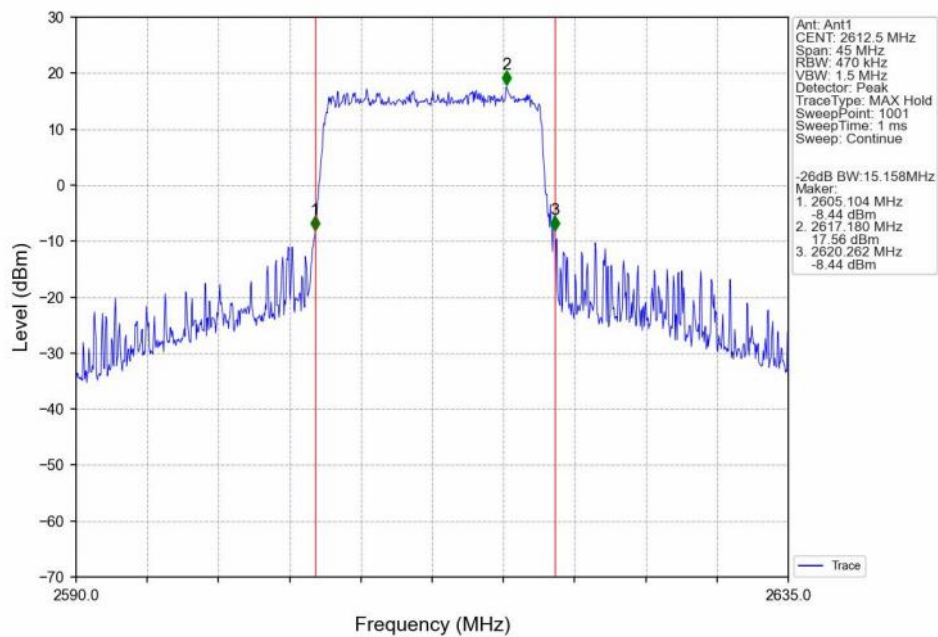
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



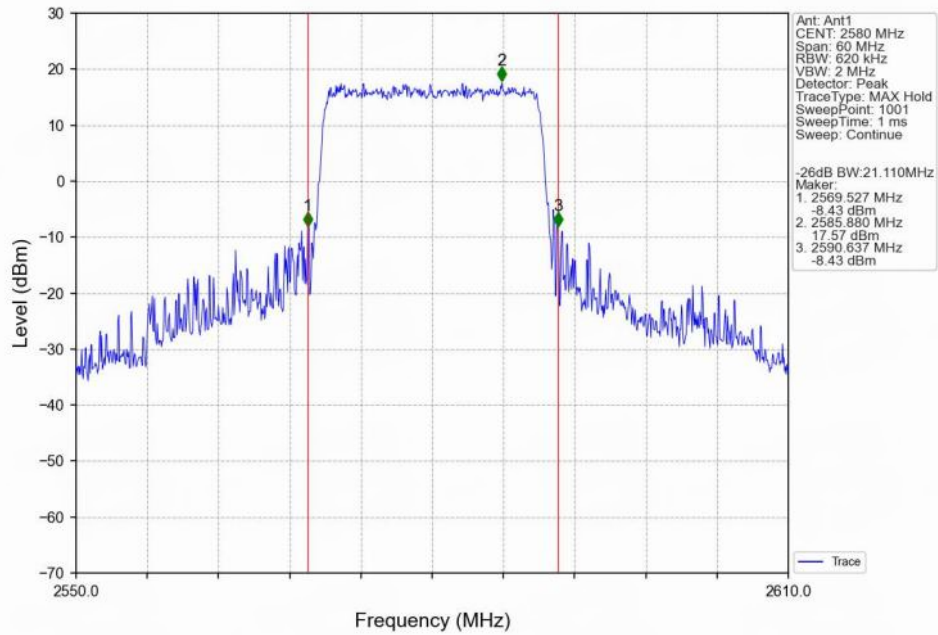
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



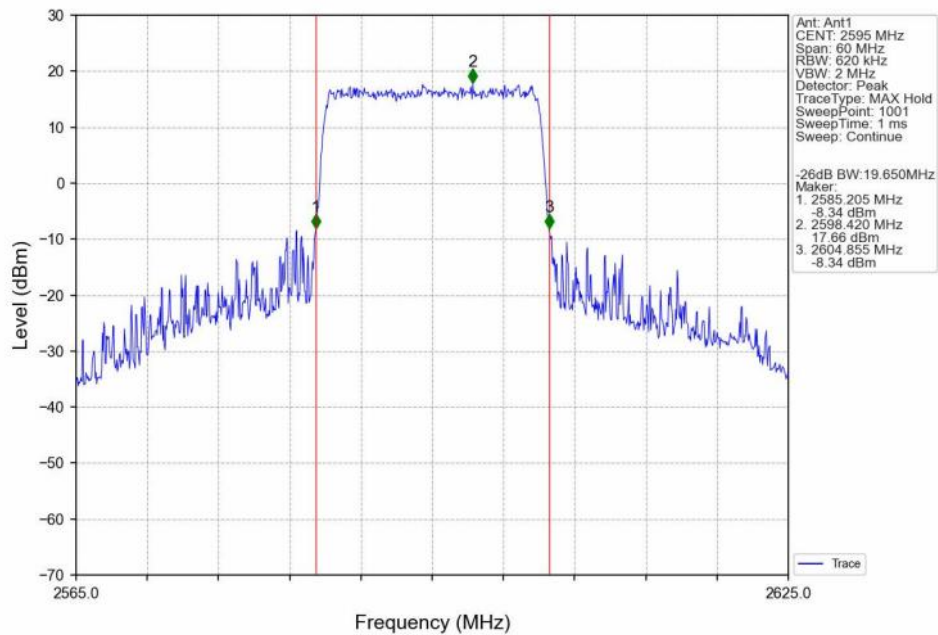
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



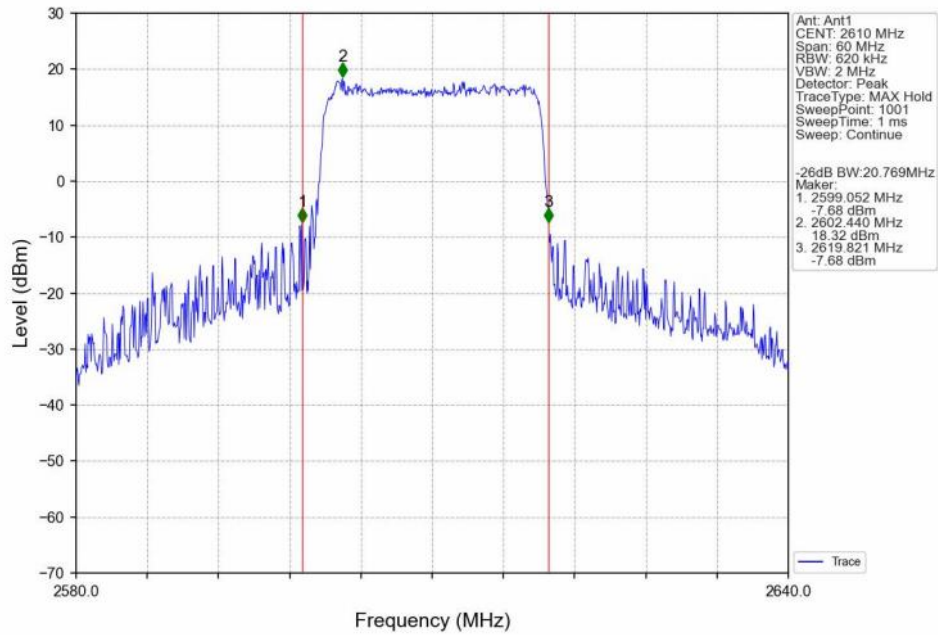
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



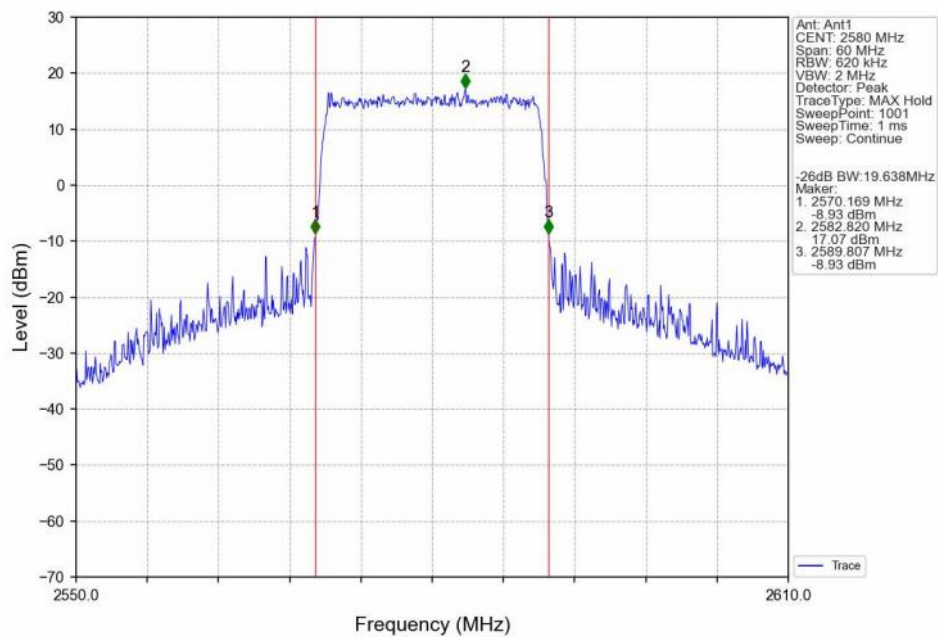
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



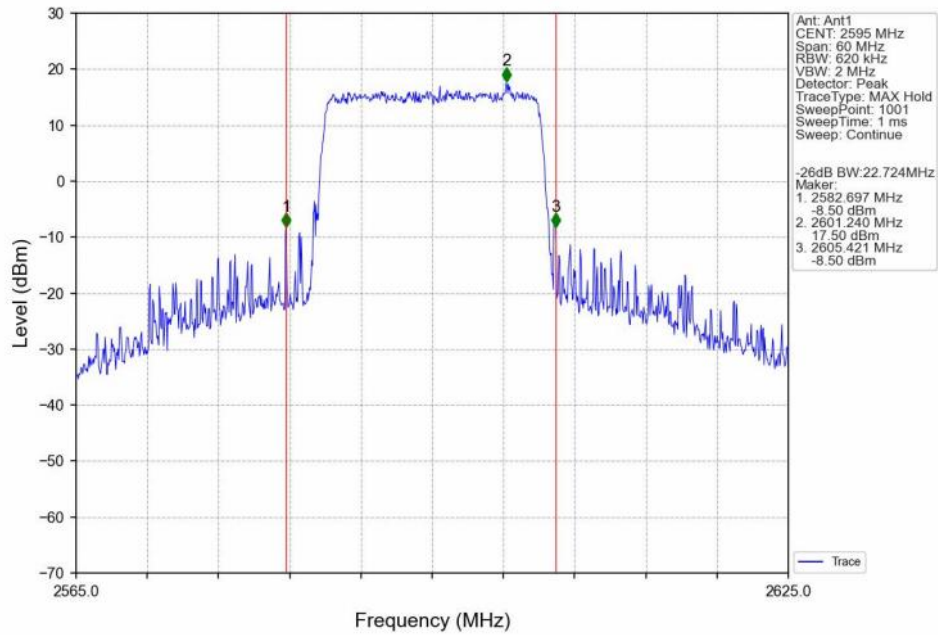
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



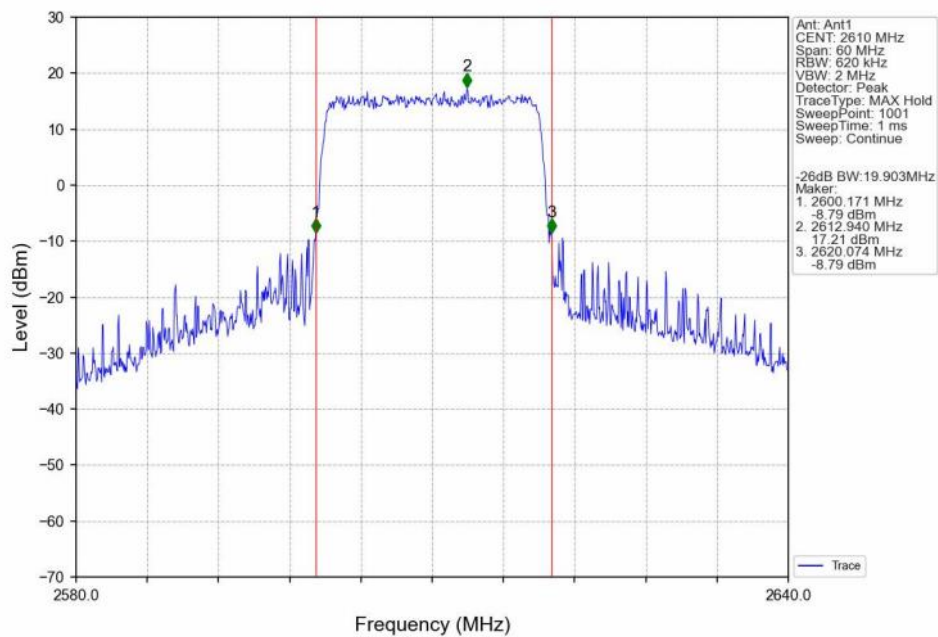
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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	7.79	≤ 13	Pass
	2595	25	0	7.81	≤ 13	Pass
	2617.5	25	0	7.73	≤ 13	Pass
16QAM	2572.5	25	0	8.62	≤ 13	Pass
	2595	25	0	8.52	≤ 13	Pass
	2617.5	25	0	8.53	≤ 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	7.76	≤ 13	Pass
	2595	50	0	7.54	≤ 13	Pass
	2615	50	0	7.73	≤ 13	Pass
16QAM	2575	50	0	8.71	≤ 13	Pass
	2595	50	0	8.58	≤ 13	Pass
	2615	50	0	8.77	≤ 13	Pass

5.1.3 B38_15MHz

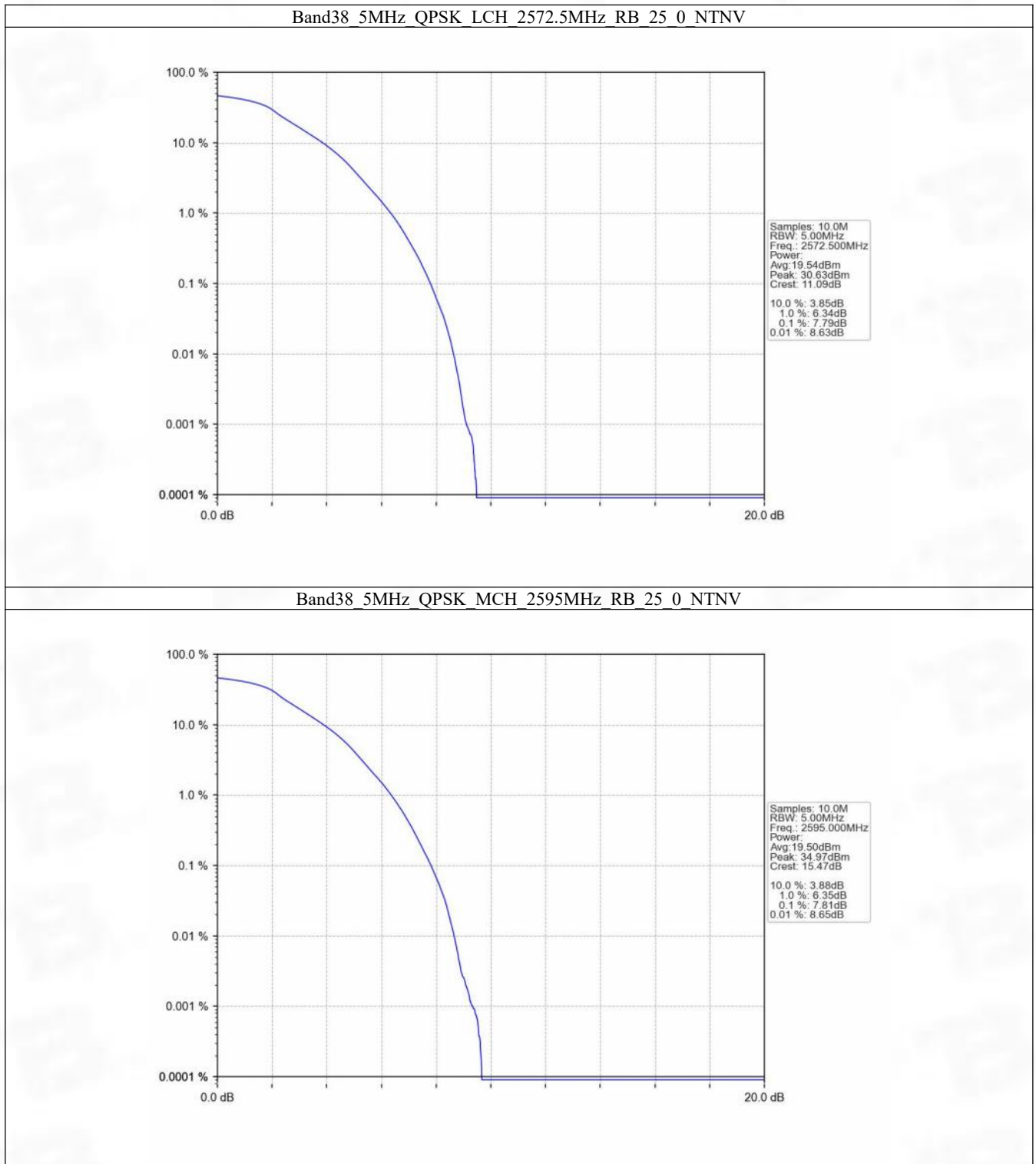
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	8.12	≤ 13	Pass
	2595	75	0	8.28	≤ 13	Pass
	2612.5	75	0	8.10	≤ 13	Pass
16QAM	2577.5	75	0	8.61	≤ 13	Pass
	2595	75	0	8.83	≤ 13	Pass
	2612.5	75	0	8.78	≤ 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	7.88	≤ 13	Pass
	2595	100	0	7.74	≤ 13	Pass
	2610	100	0	7.78	≤ 13	Pass
16QAM	2580	100	0	8.47	≤ 13	Pass
	2595	100	0	8.54	≤ 13	Pass
	2610	100	0	8.58	≤ 13	Pass

5.2 Test Graph

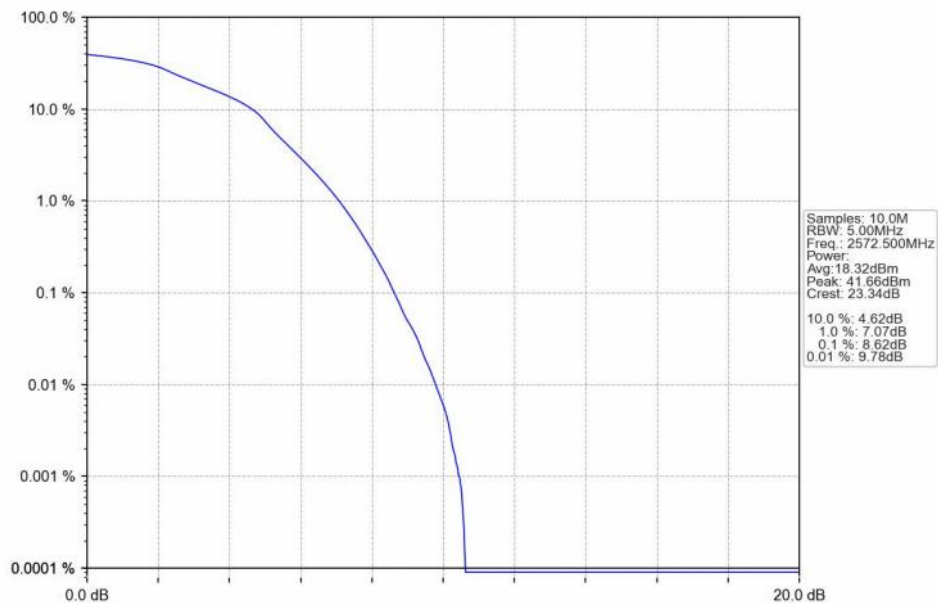
5.2.1 B38_5MHz



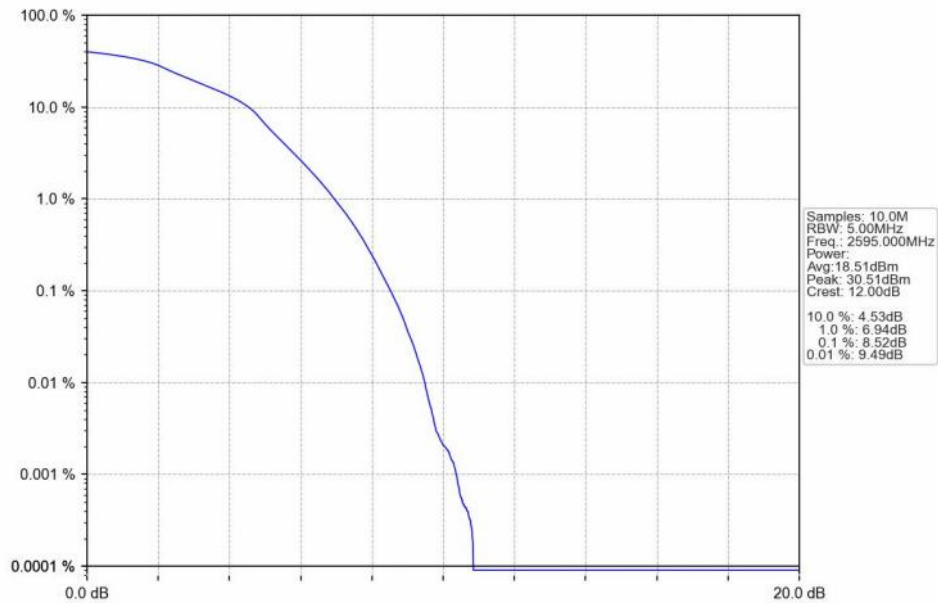
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



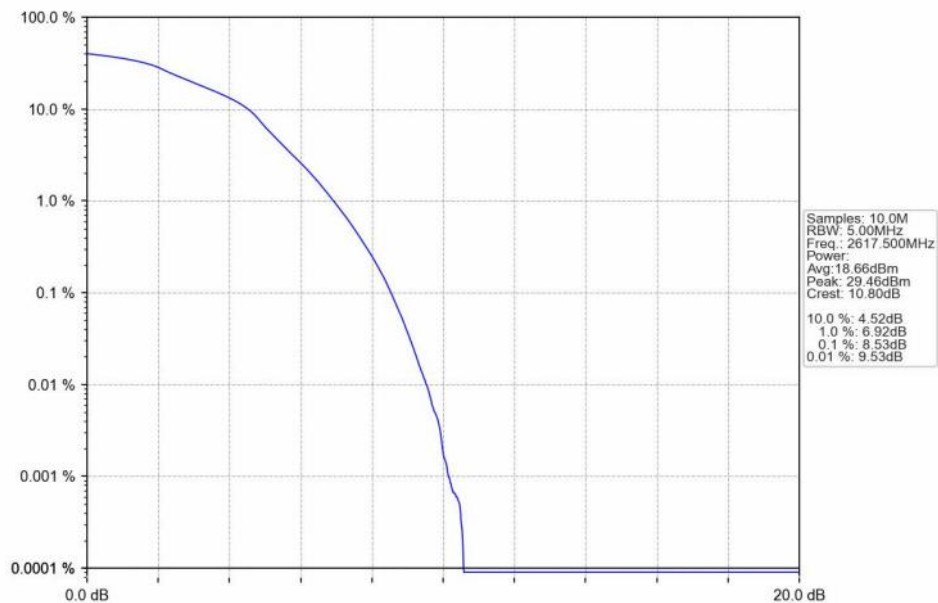
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



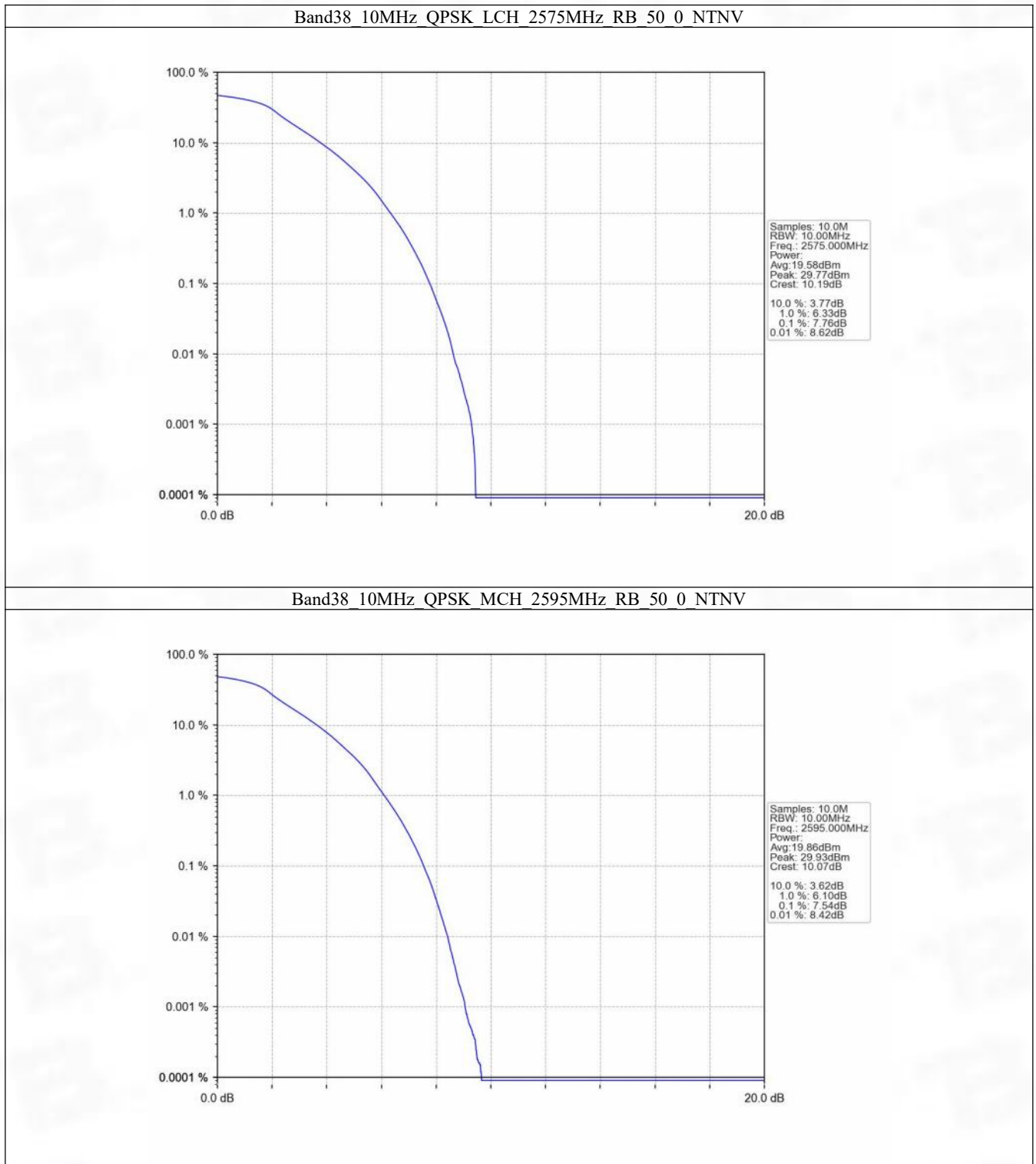
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



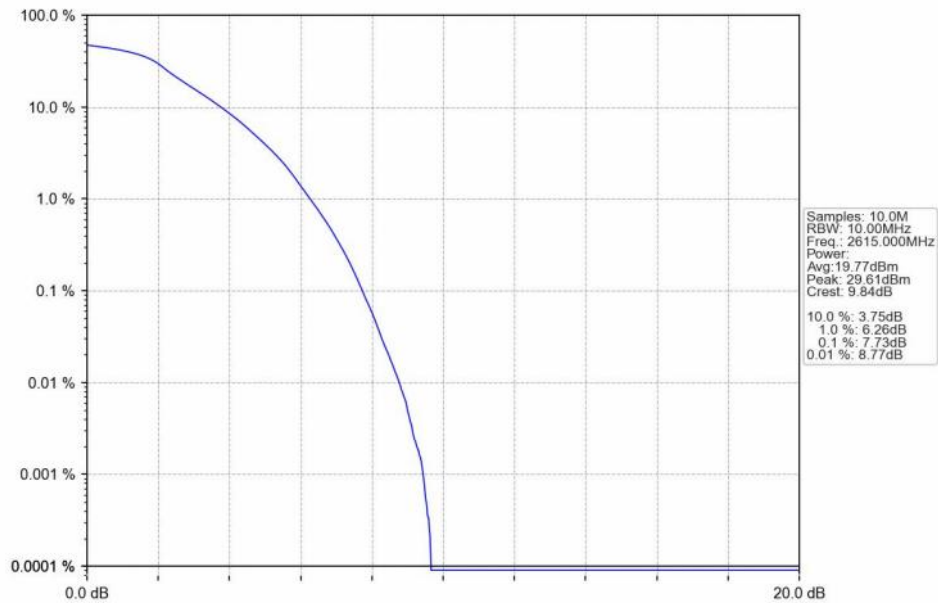
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



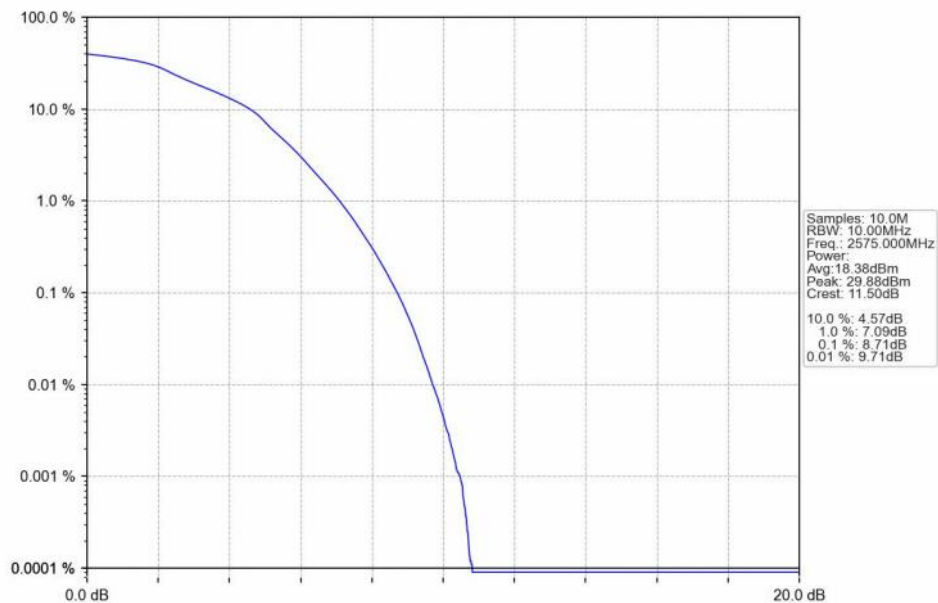
5.2.2 B38_10MHz



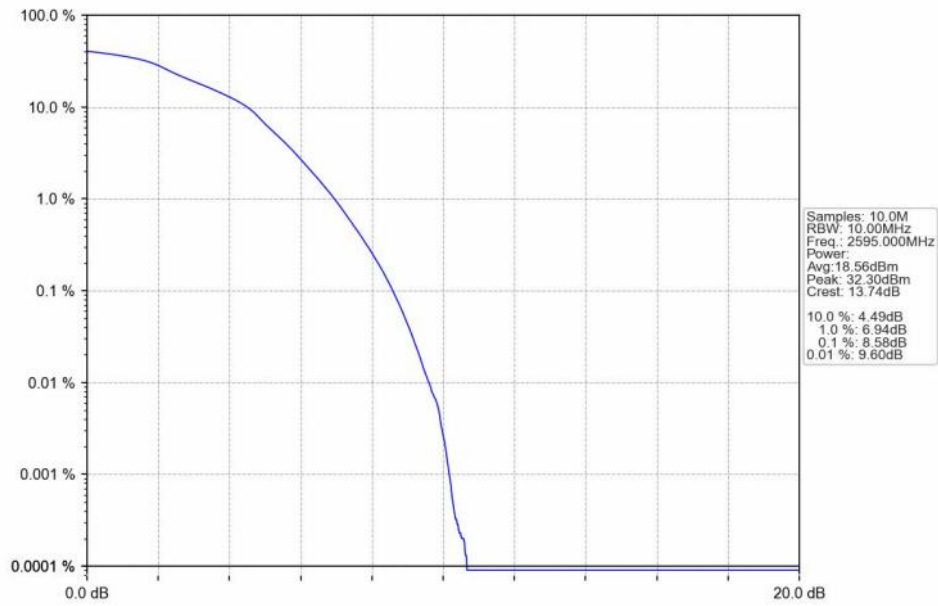
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



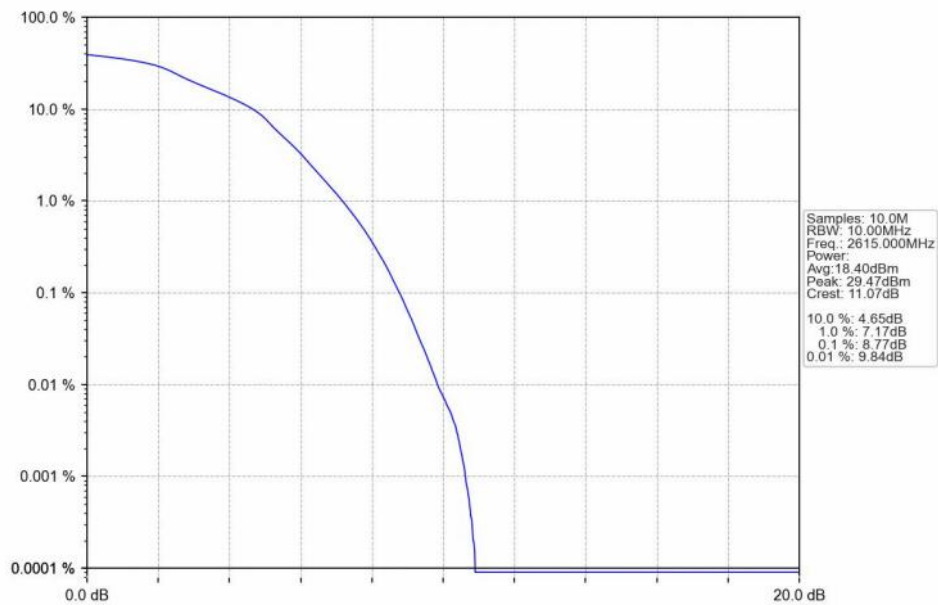
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



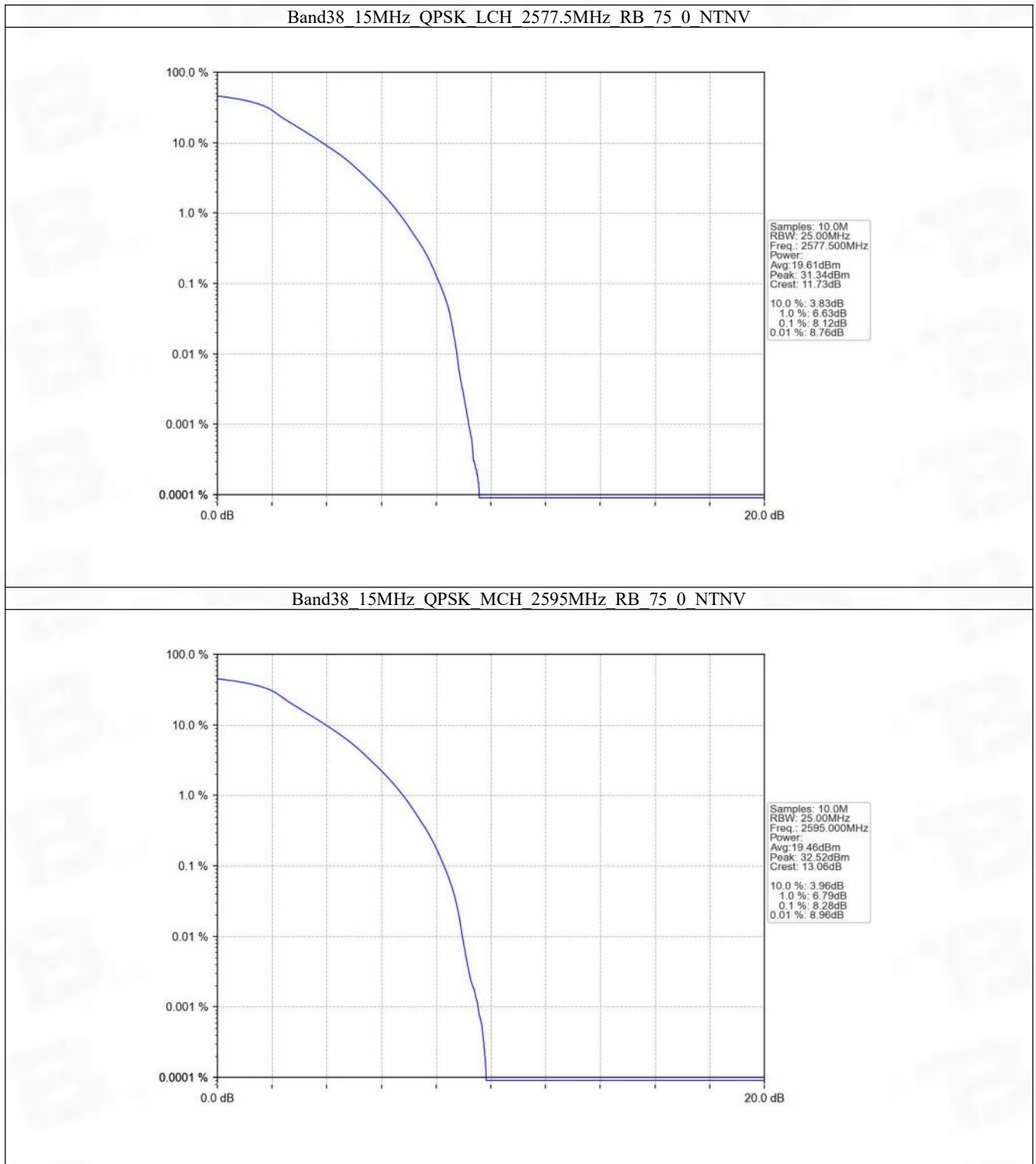
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



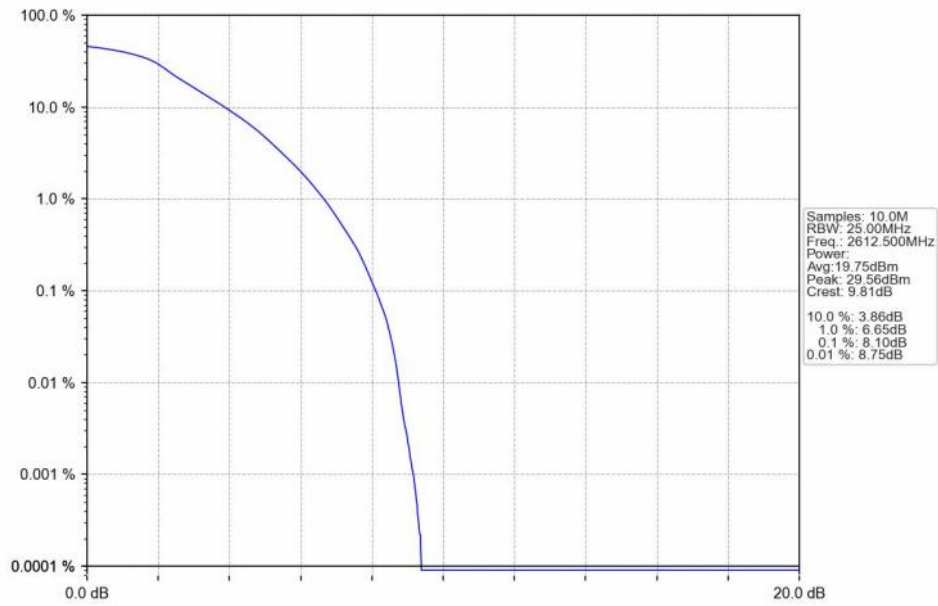
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



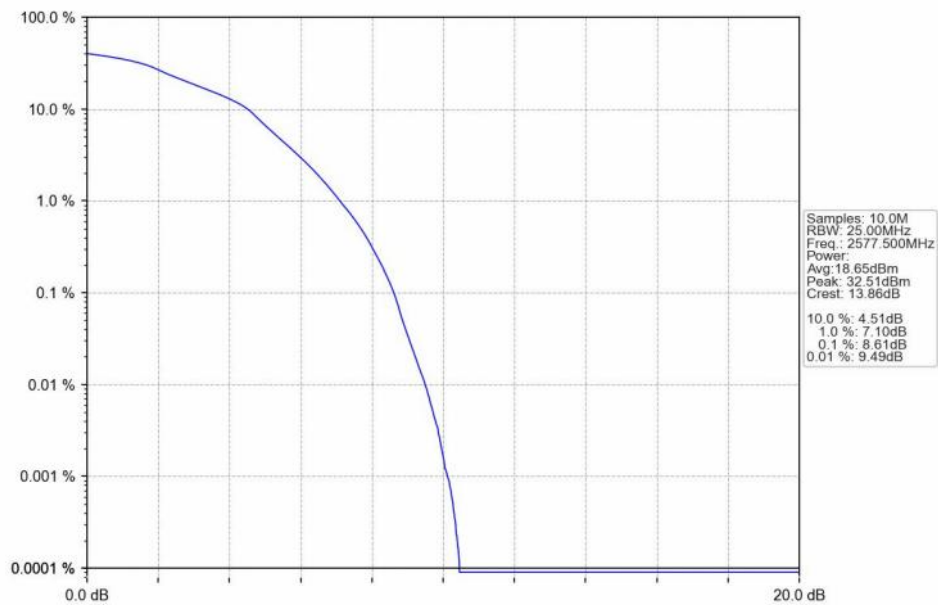
5.2.3 B38_15MHz



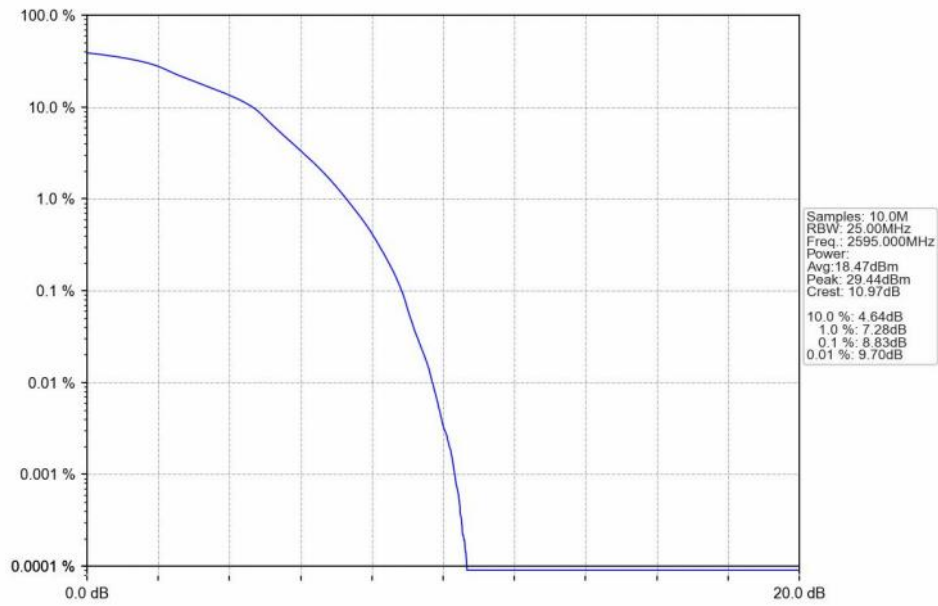
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



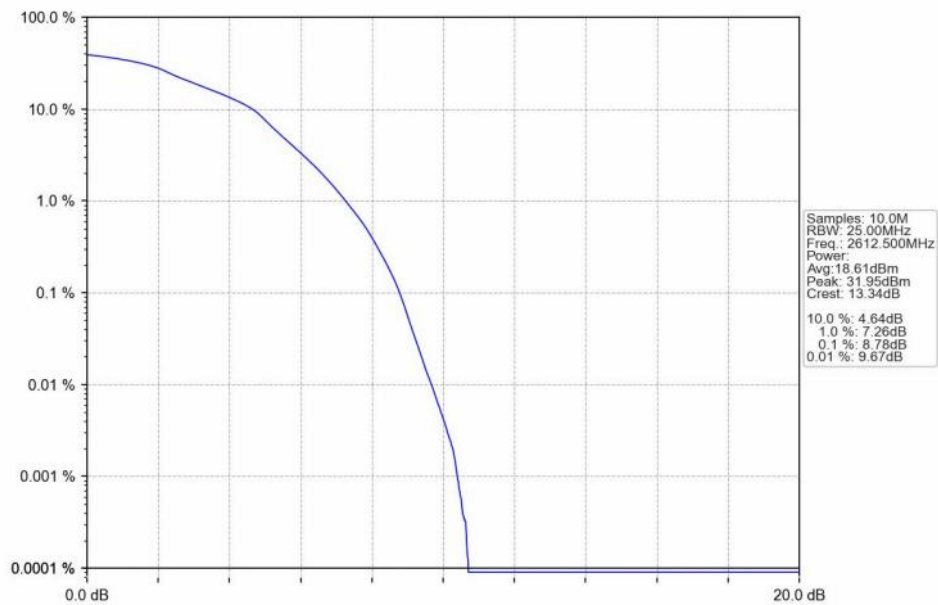
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



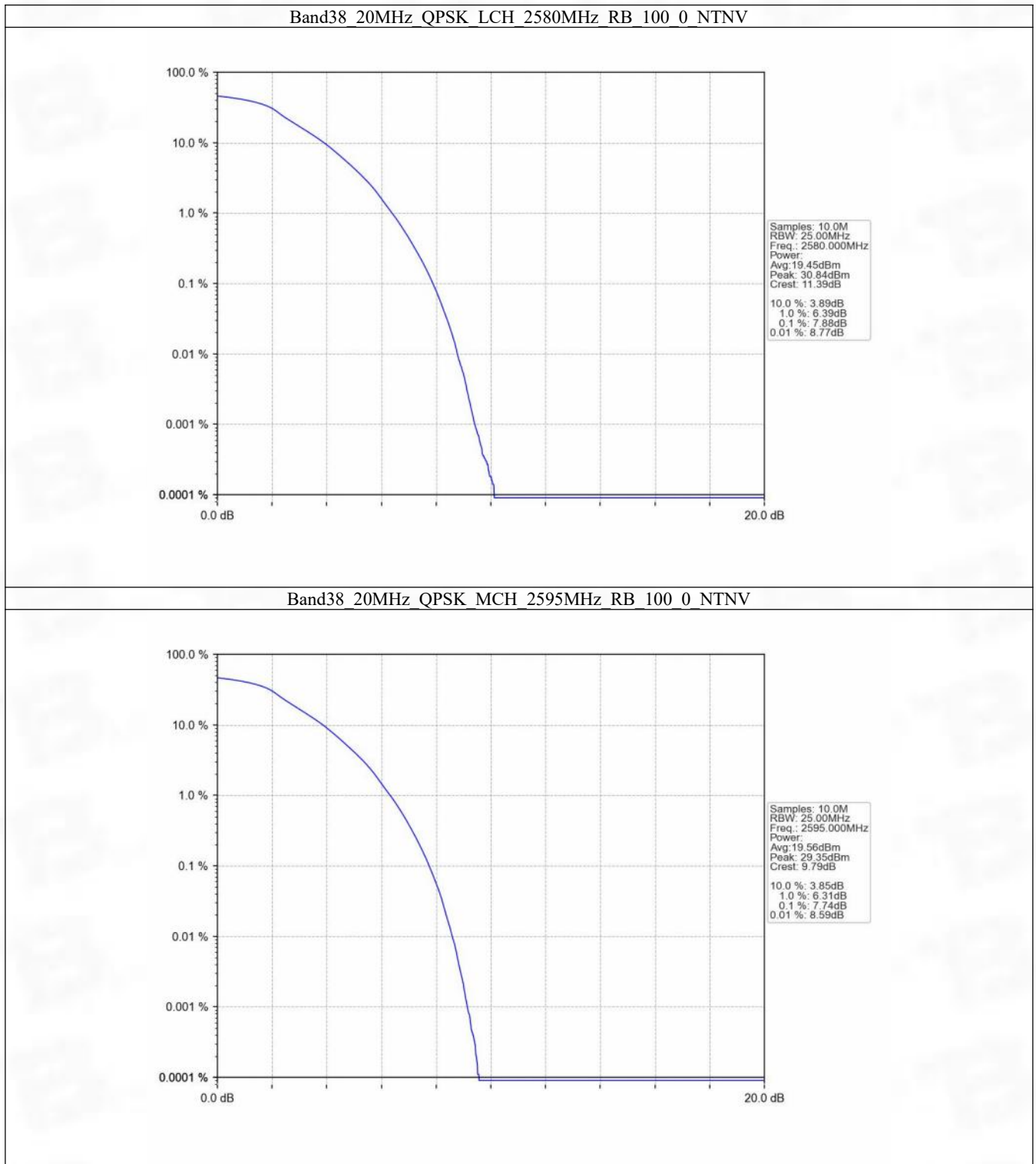
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTV



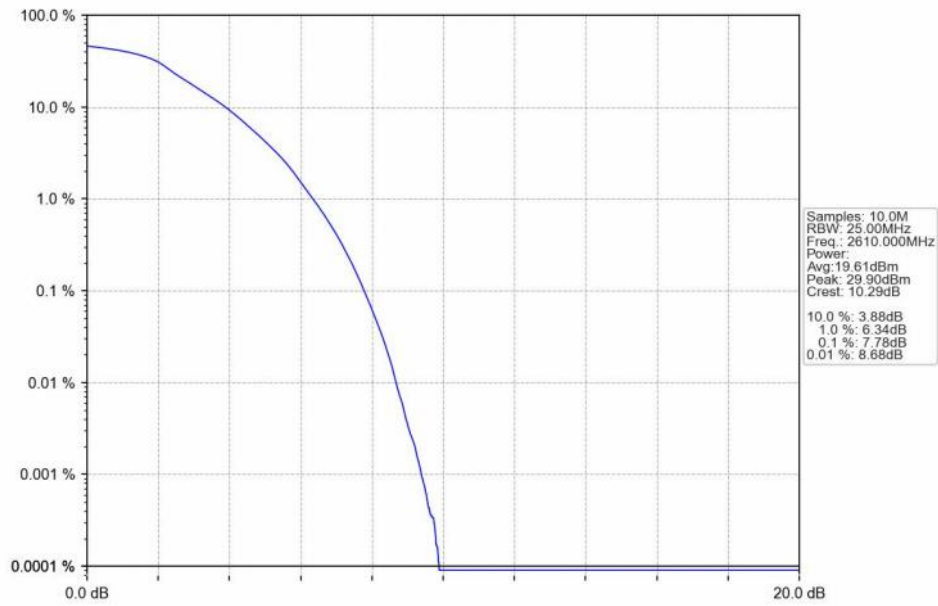
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTV



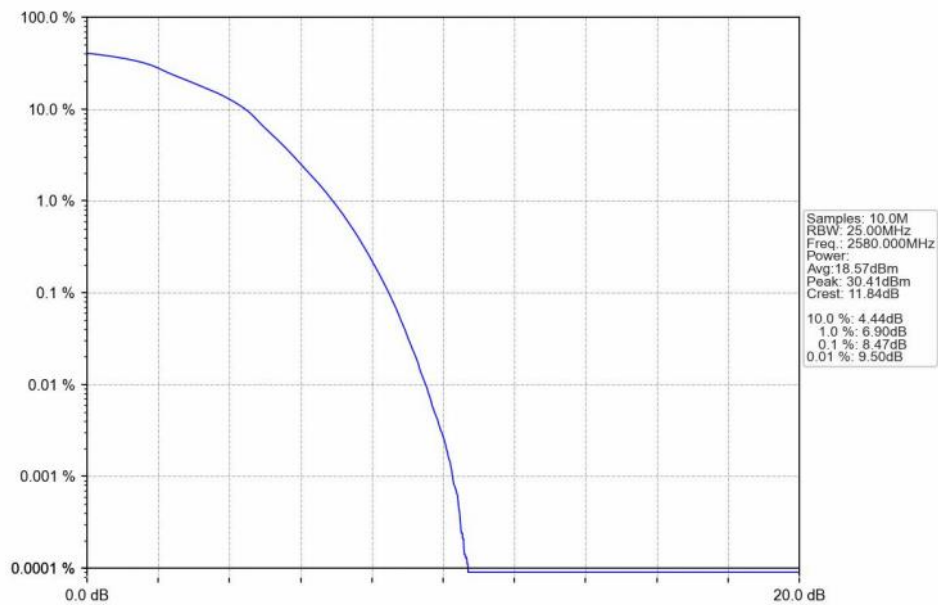
5.2.4 B38_20MHz



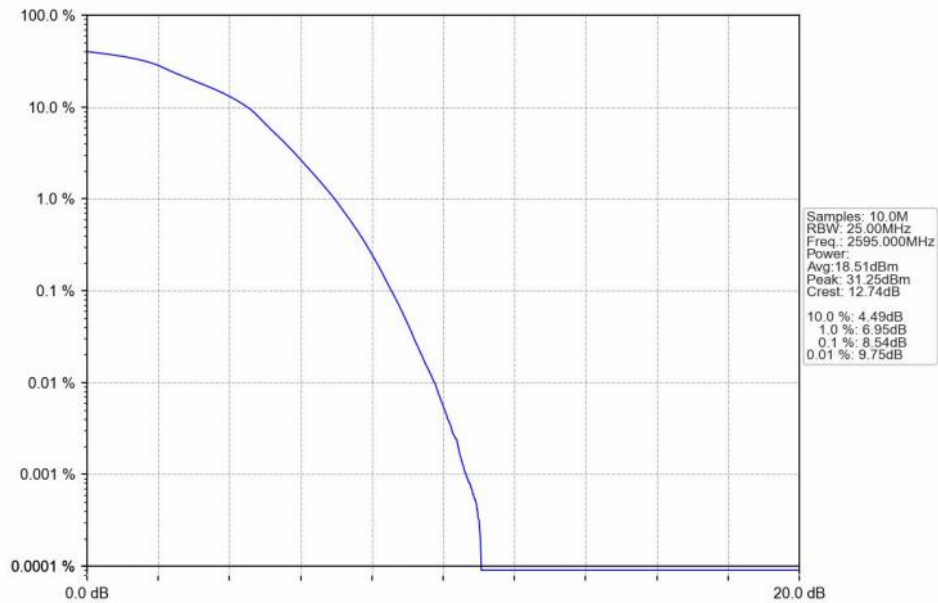
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



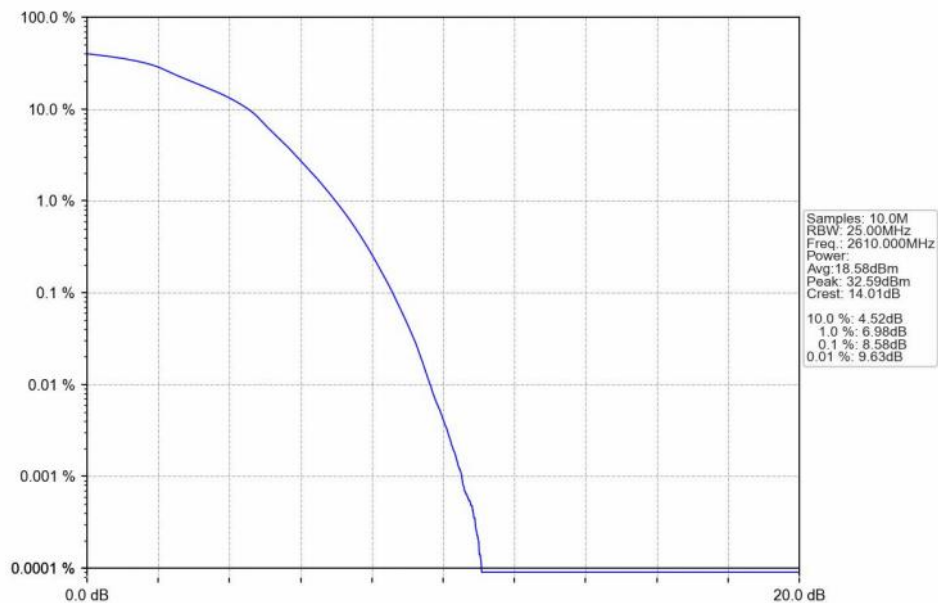
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTV



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



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



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

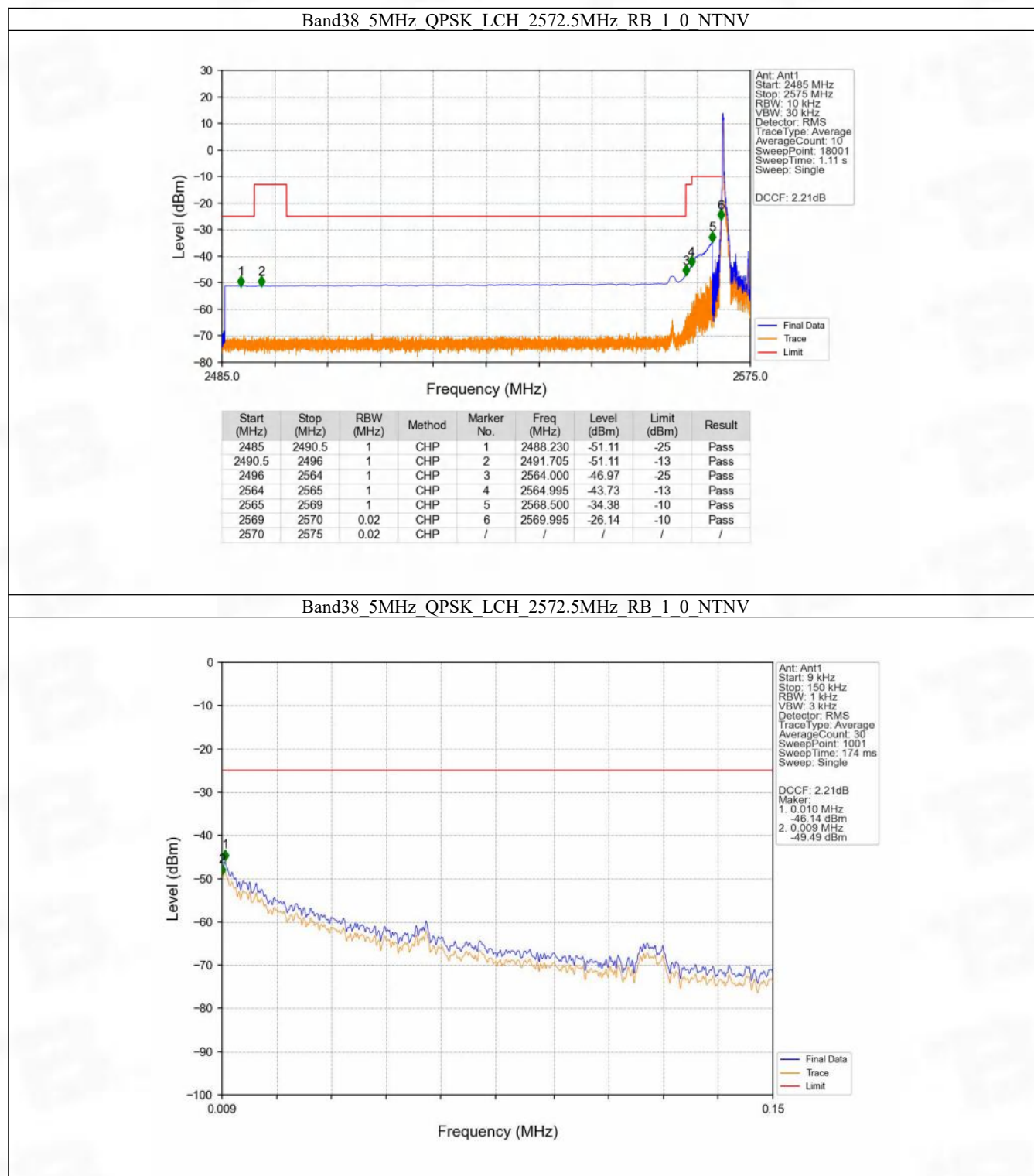
		75	0	Refer To Test Graph	Pass
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6.1.4 B38_20MHz

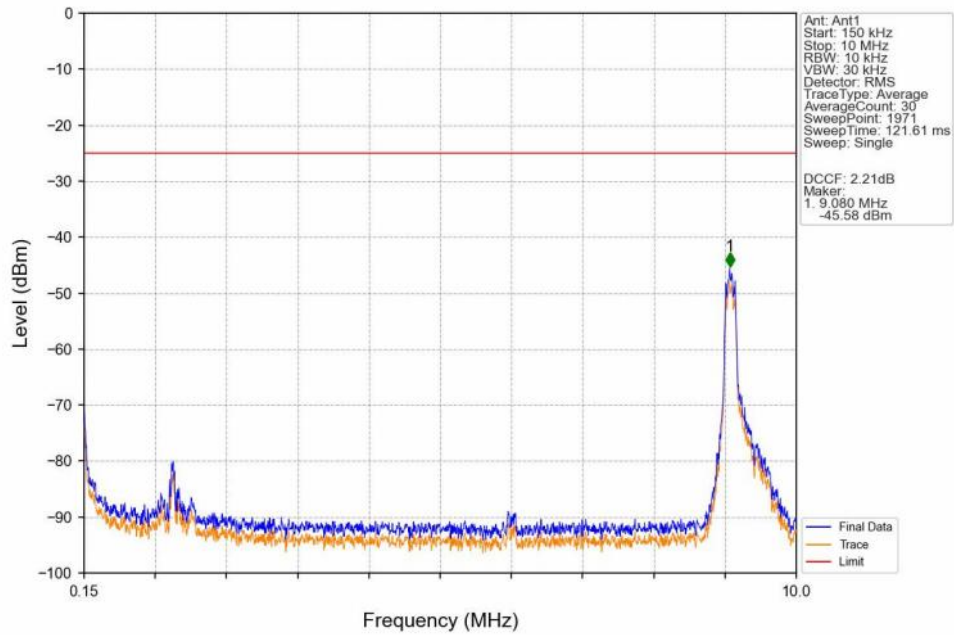
Band: 38 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2580	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass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

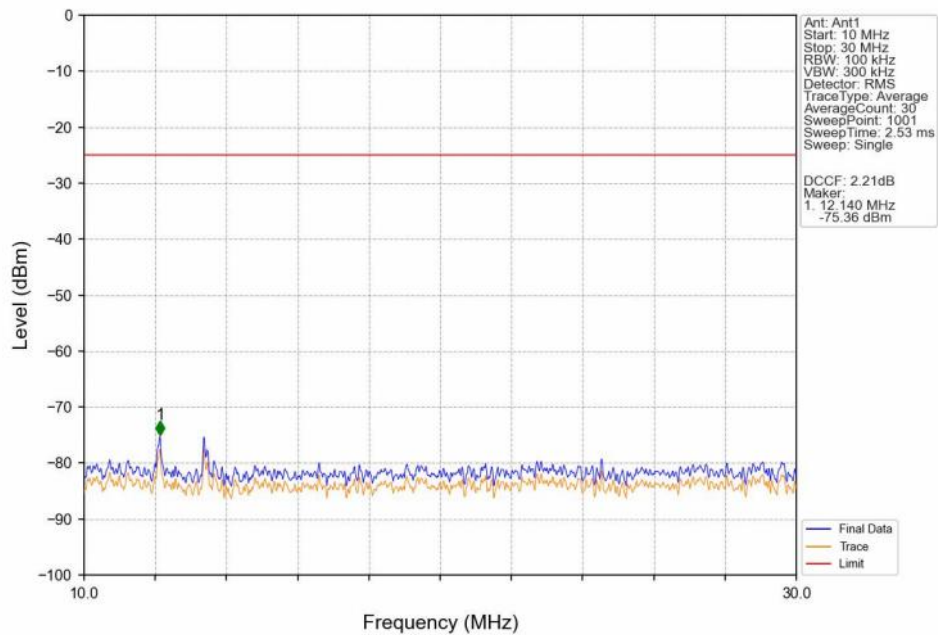
6.2.1 B38_5MHz



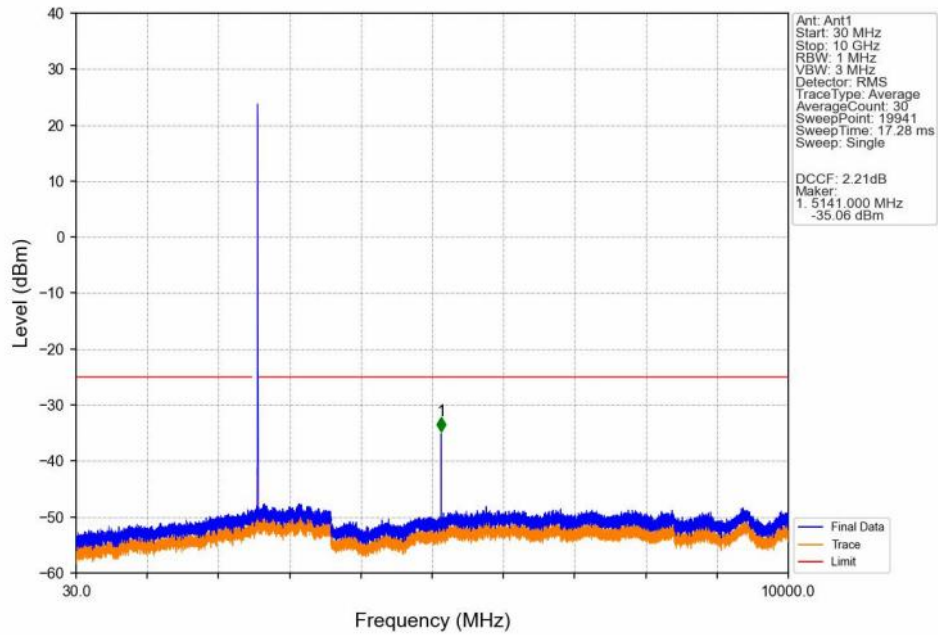
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



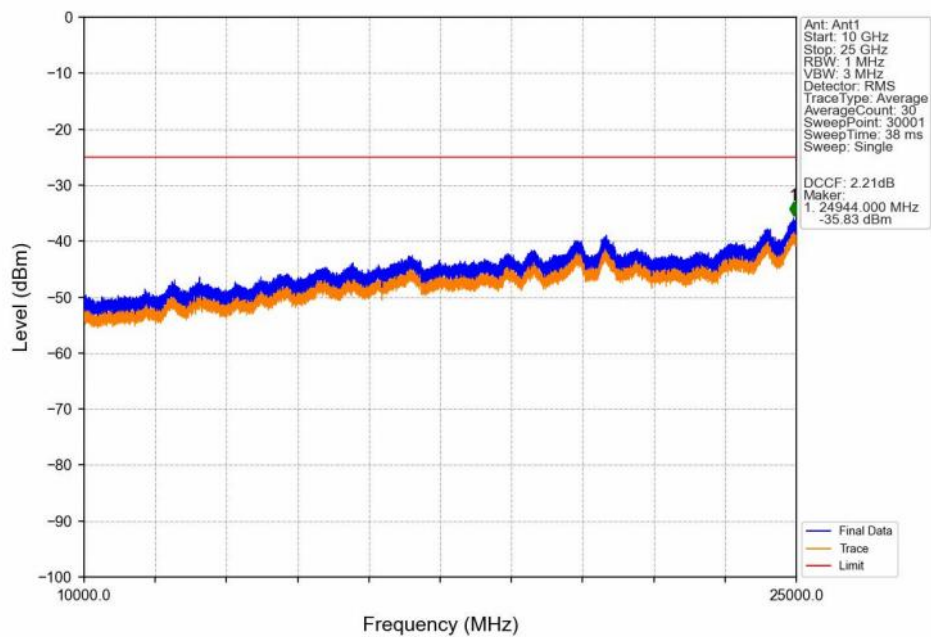
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



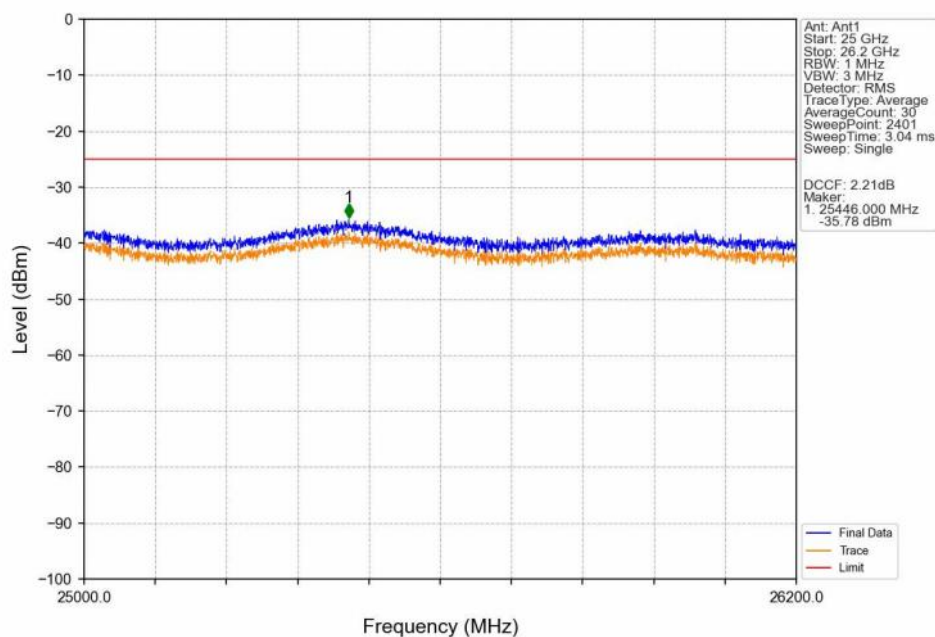
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



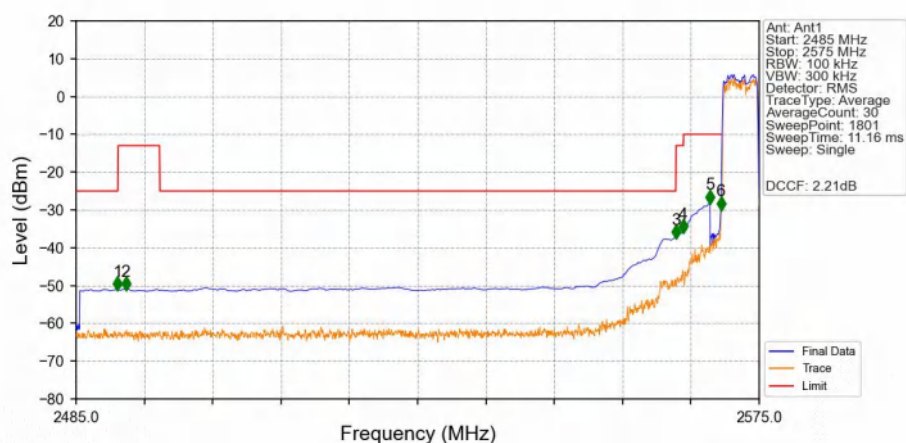
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

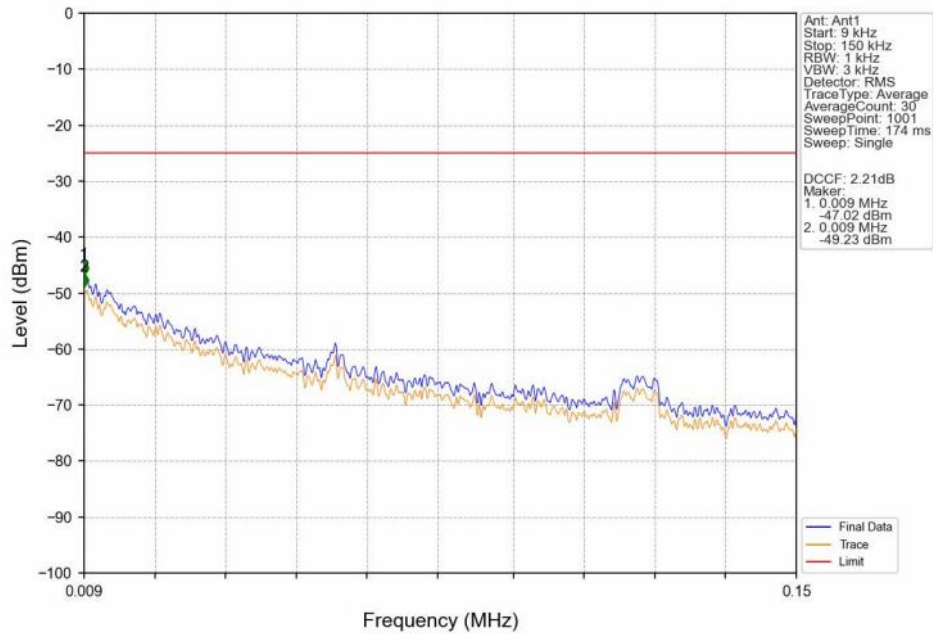


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

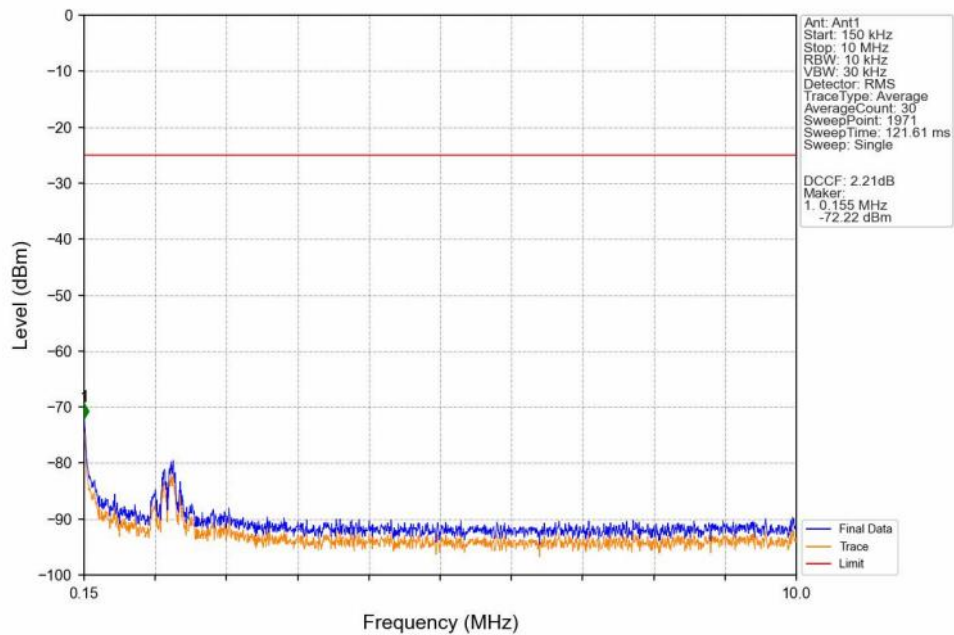


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.450	-51.03	-25	Pass
2490.5	2496	1	CHP	2	2491.550	-50.99	-13	Pass
2496	2564	1	CHP	3	2564.000	-37.31	-25	Pass
2564	2565	1	CHP	4	2565.000	-35.82	-13	Pass
2565	2569	1	CHP	5	2568.500	-28.07	-10	Pass
2569	2570	0.101	CHP	6	2569.950	-29.82	-10	Pass
2570	2575	0.101	CHP	/	/	/	/	/

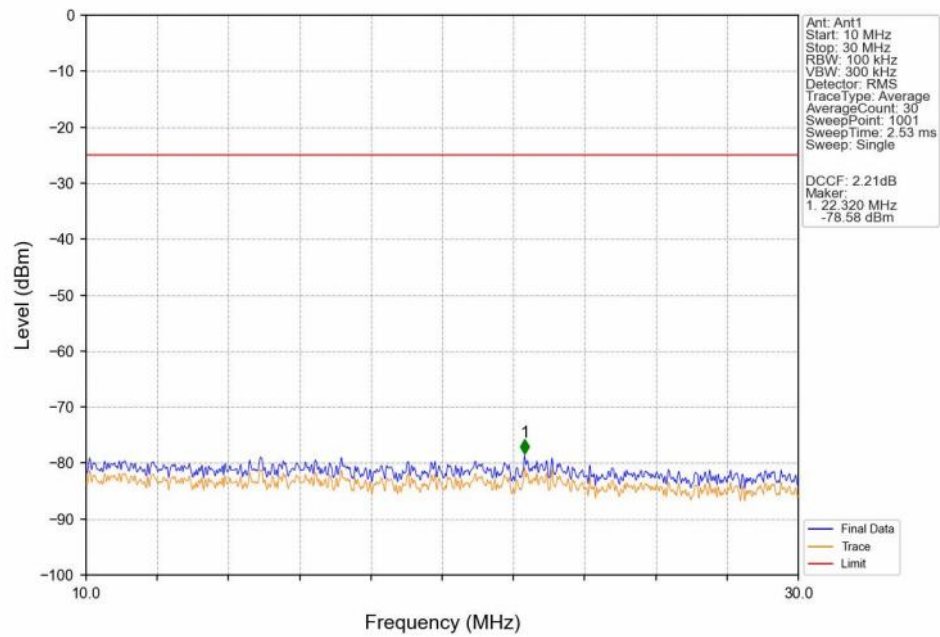
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



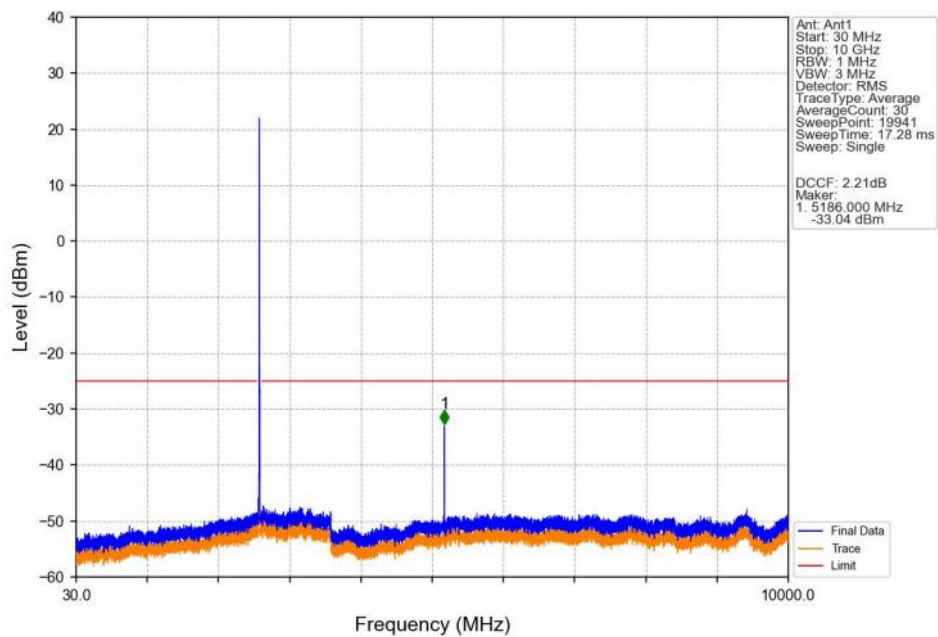
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



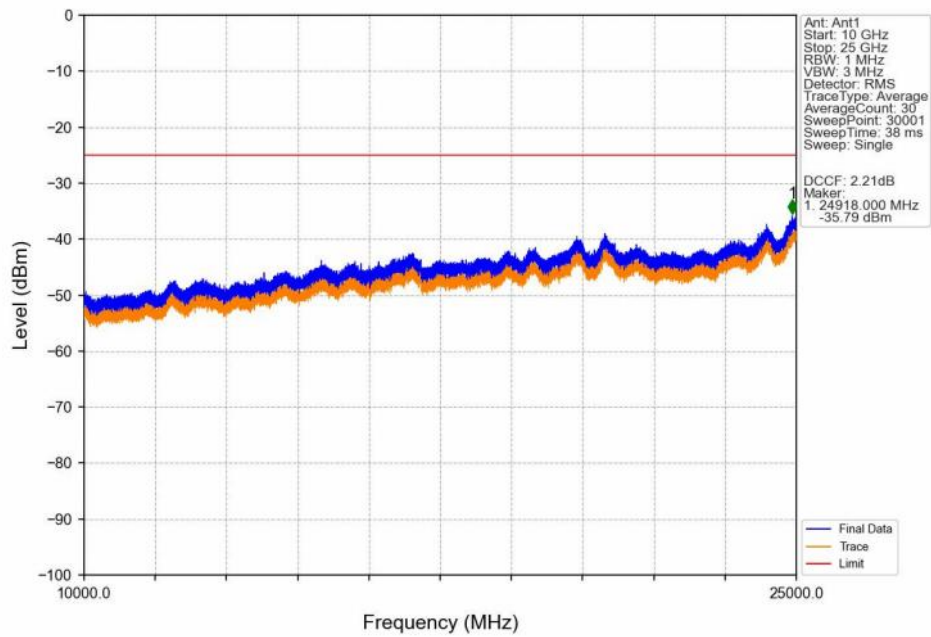
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



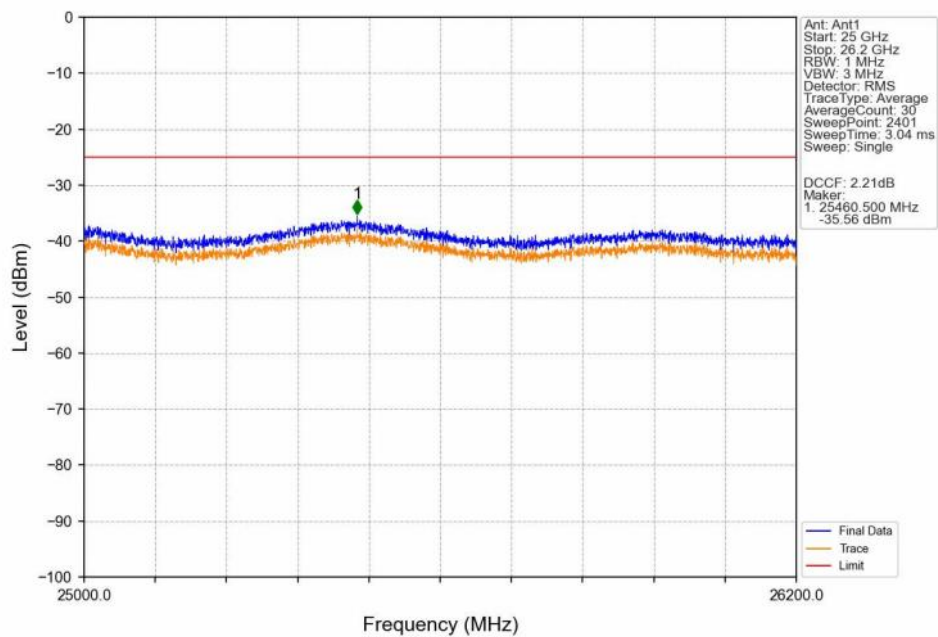
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



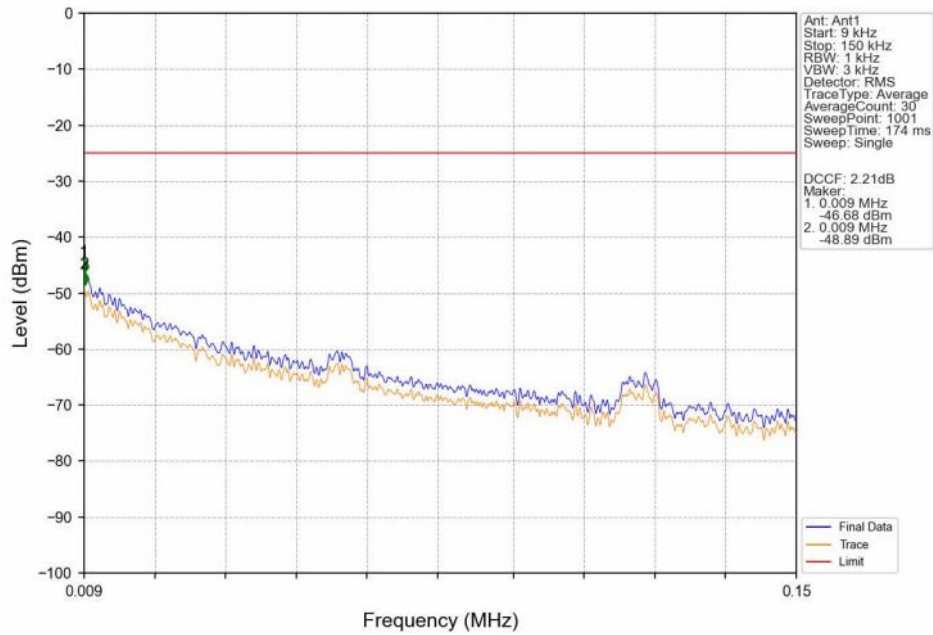
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



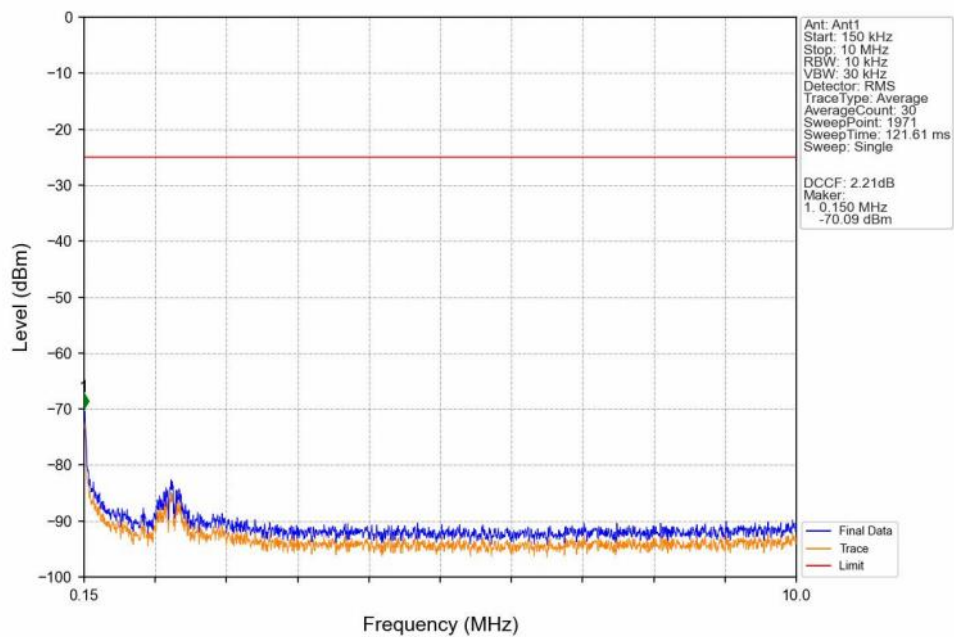
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



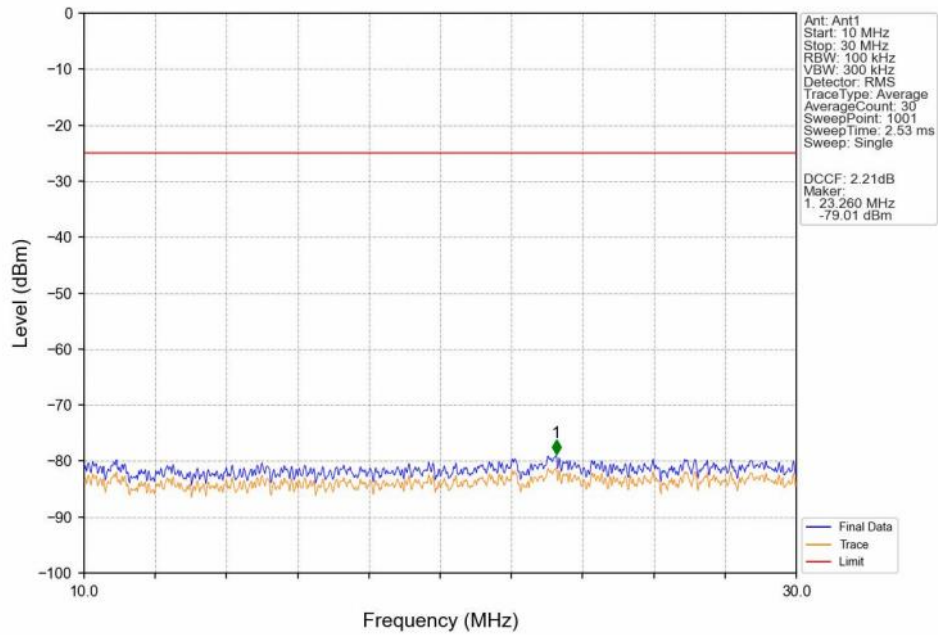
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



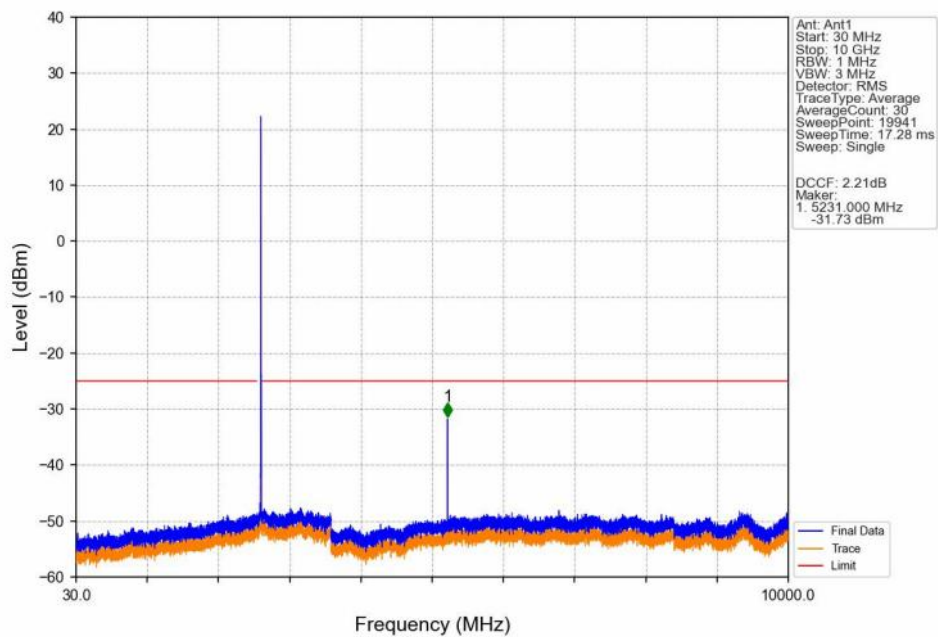
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



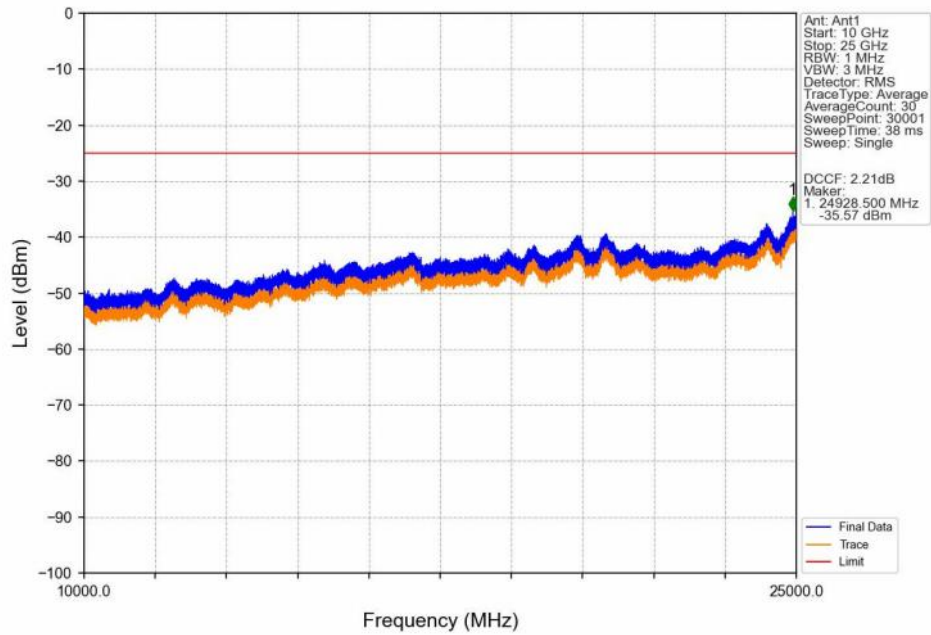
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



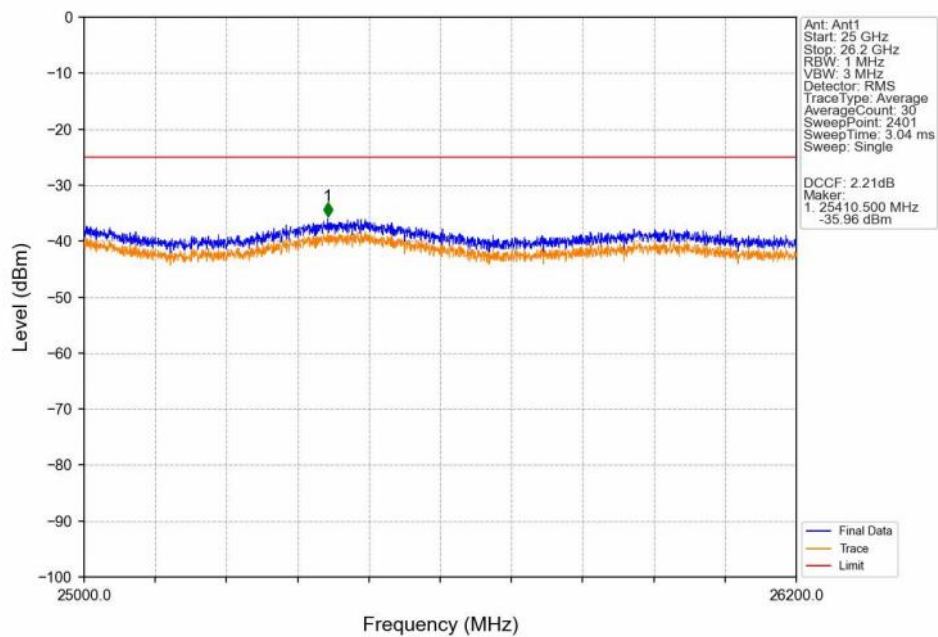
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



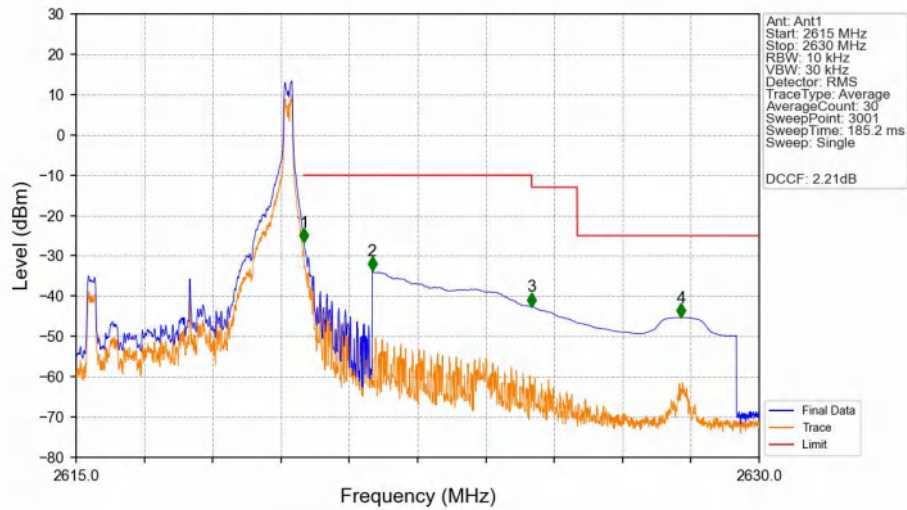
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



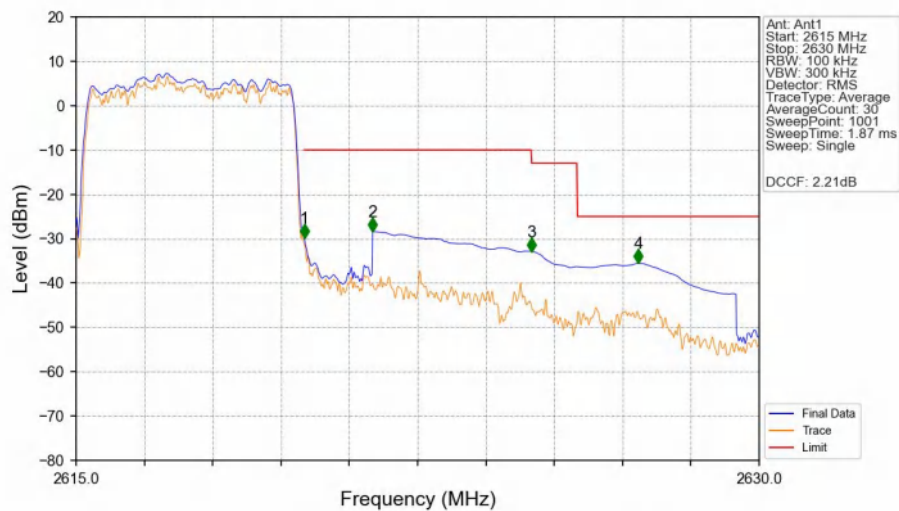
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



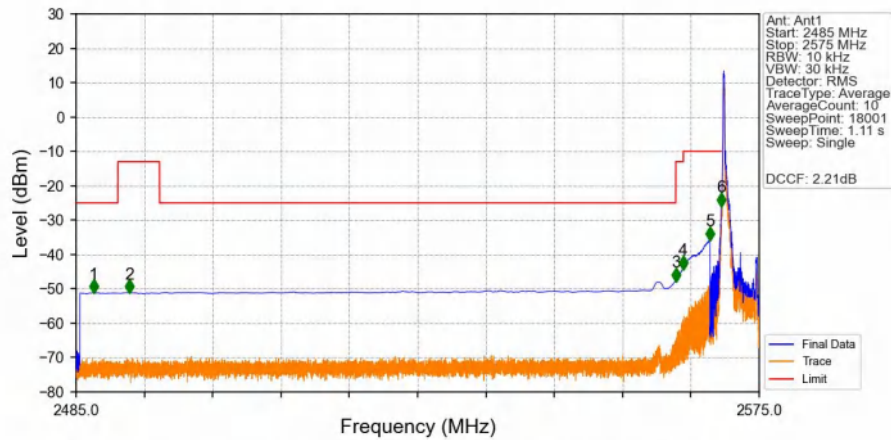
Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTNV



Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV

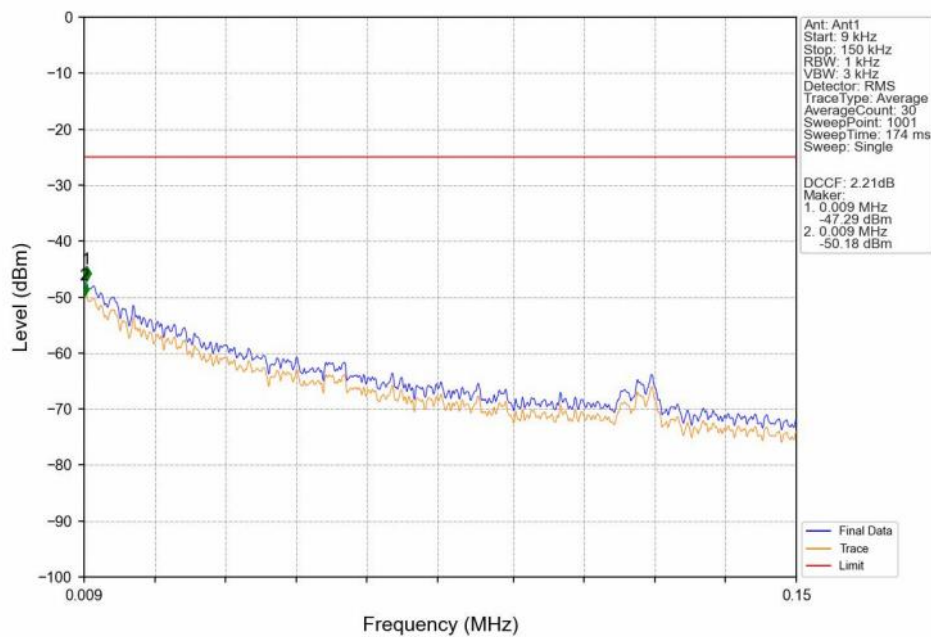


Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV

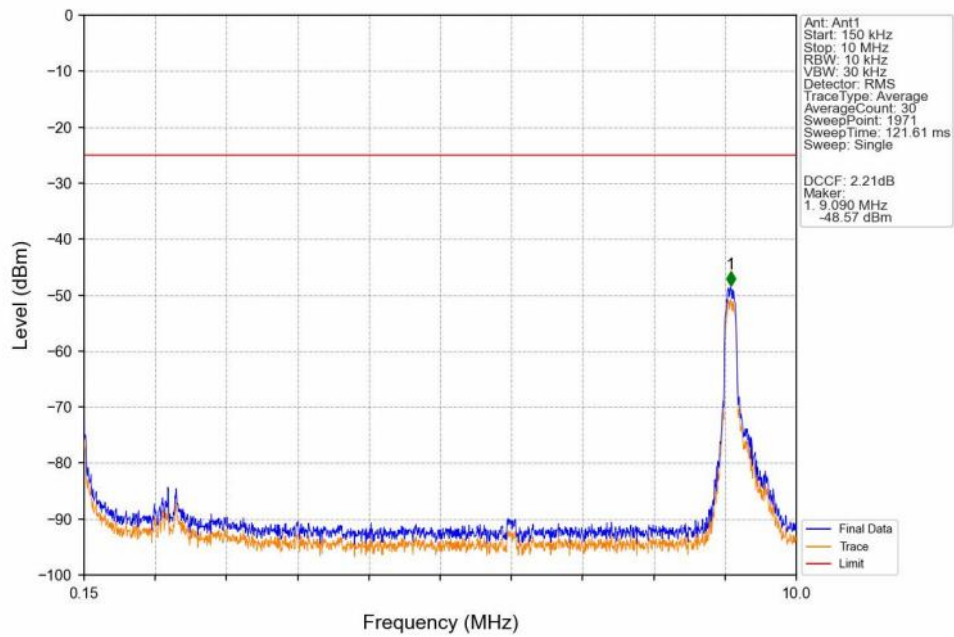


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.300	-51.06	-25	Pass
2490.5	2496	1	CHP	2	2492.015	-51.01	-13	Pass
2496	2564	1	CHP	3	2564.000	-47.57	-25	Pass
2564	2565	1	CHP	4	2565.000	-44.05	-13	Pass
2565	2569	1	CHP	5	2568.500	-35.56	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-25.74	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

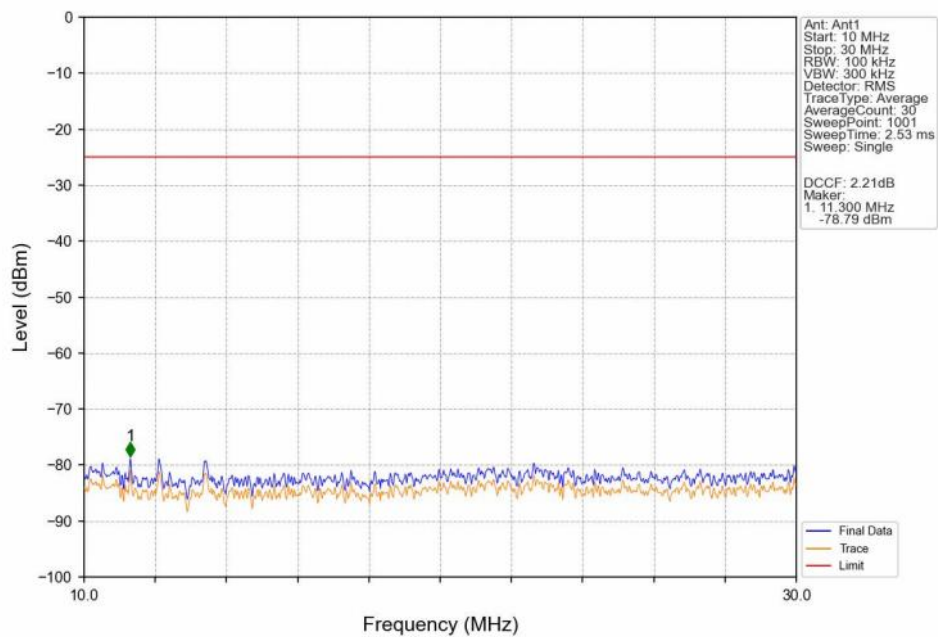
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



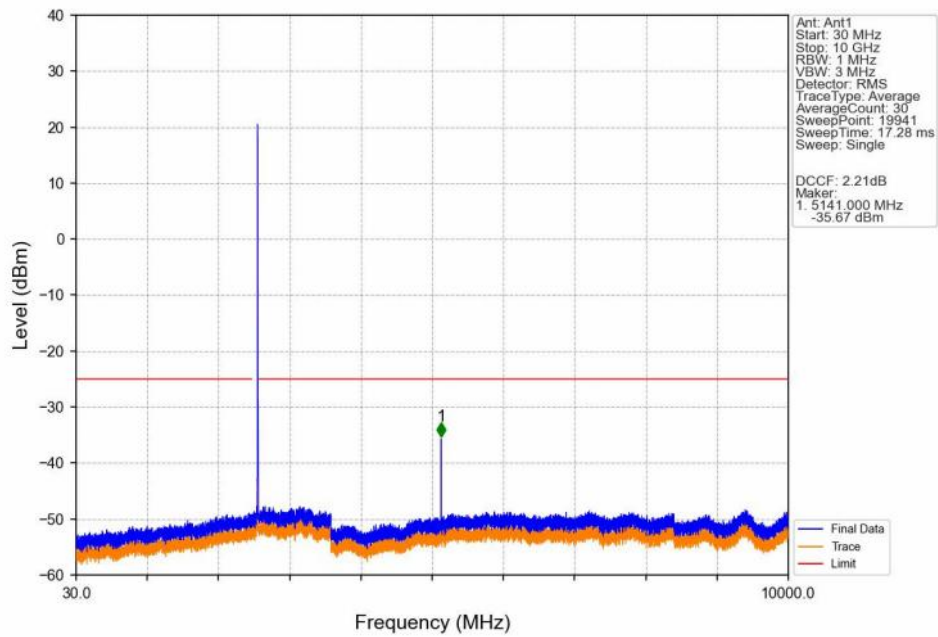
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



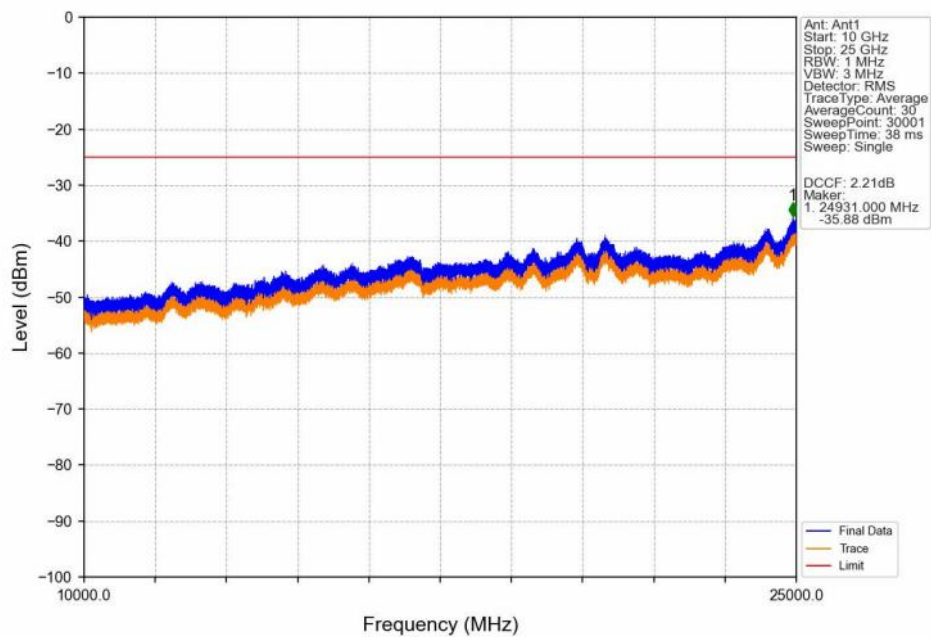
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



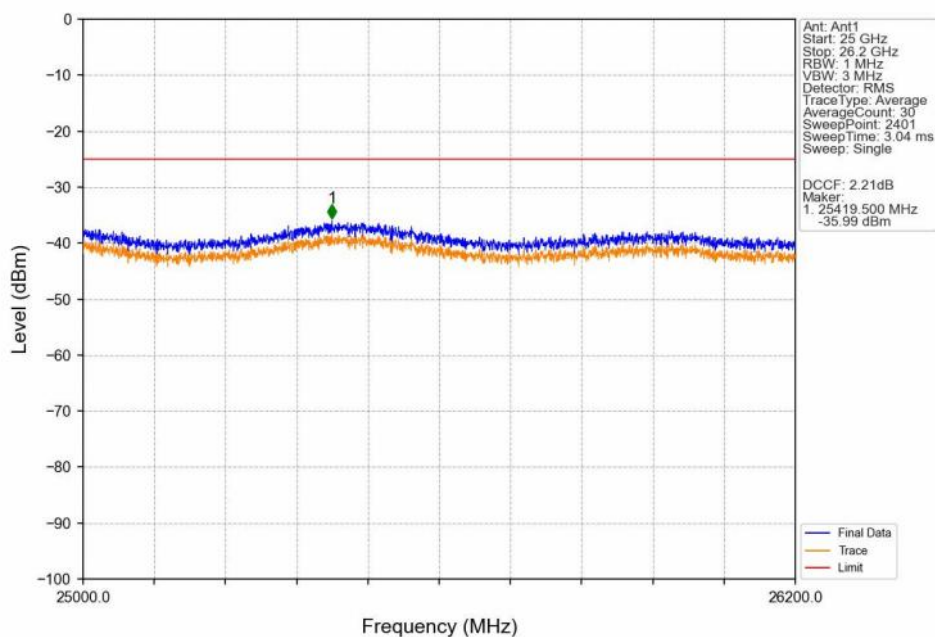
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



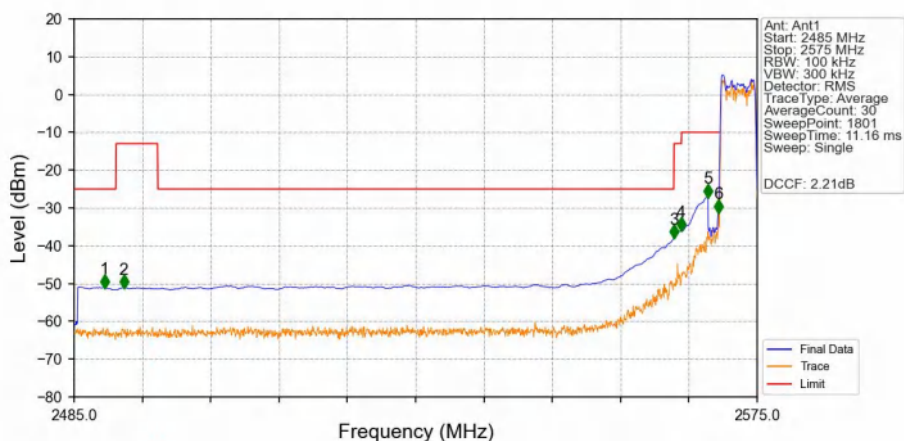
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

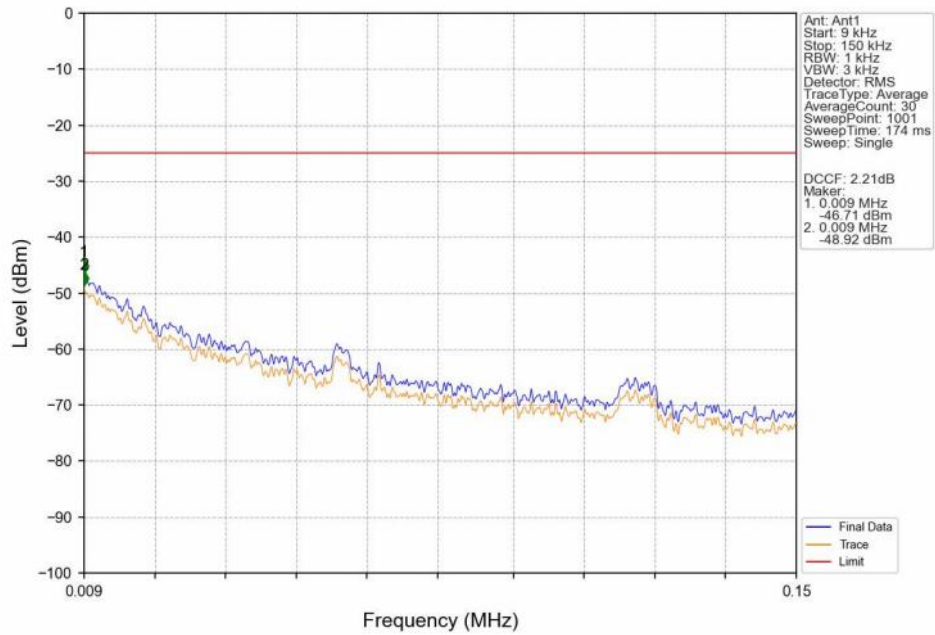


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV

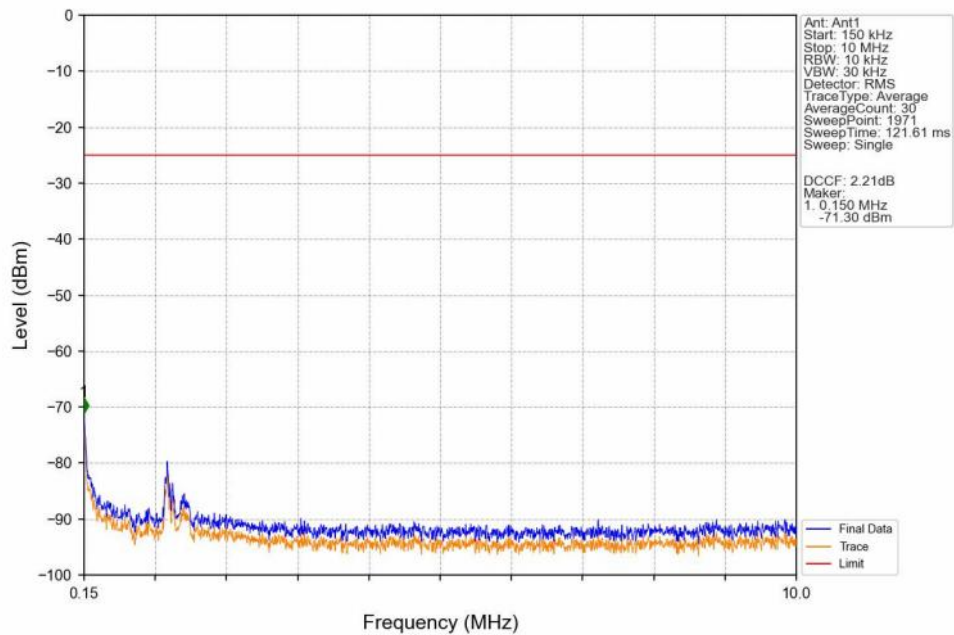


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.000	-50.97	-25	Pass
2490.5	2496	1	CHP	2	2491.550	-51.09	-13	Pass
2496	2564	1	CHP	3	2564.000	-37.74	-25	Pass
2564	2565	1	CHP	4	2564.950	-35.85	-13	Pass
2565	2569	1	CHP	5	2568.500	-27.00	-10	Pass
2569	2570	0.106	CHP	6	2569.900	-31.07	-10	Pass
2570	2575	0.106	CHP	/	/	/	/	/

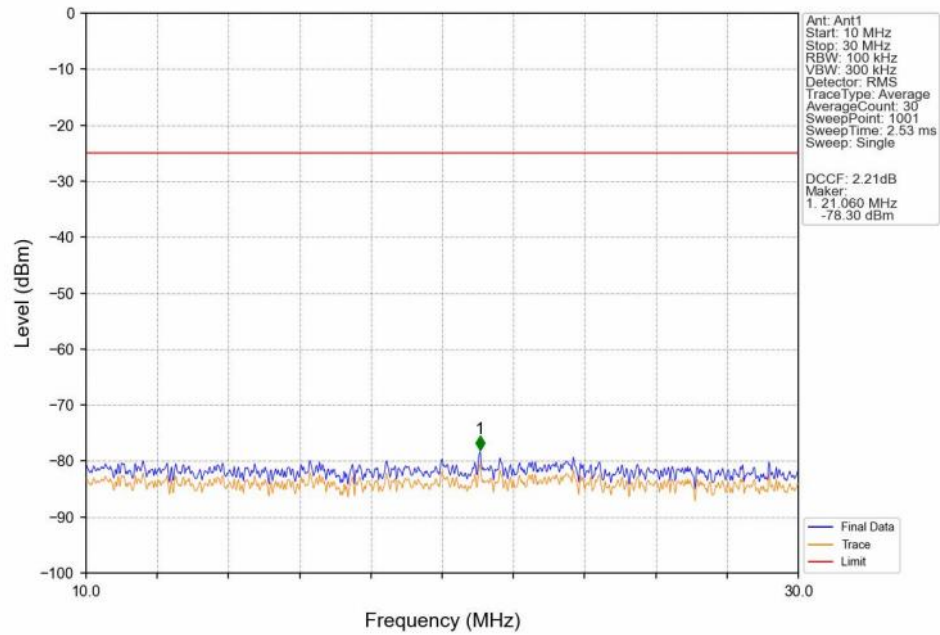
Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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

