

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	21.69	-0.65	21.04	<=33.01	Pass
			13	22.01	-0.65	21.36	<=33.01	Pass
			24	21.81	-0.65	21.16	<=33.01	Pass
		12	0	20.77	-0.65	20.12	<=33.01	Pass
			6	20.96	-0.65	20.31	<=33.01	Pass
			13	20.78	-0.65	20.13	<=33.01	Pass
		25	0	20.89	-0.65	20.24	<=33.01	Pass
	2595	1	0	21.75	-0.65	21.10	<=33.01	Pass
			13	21.96	-0.65	21.31	<=33.01	Pass
			24	21.77	-0.65	21.12	<=33.01	Pass
		12	0	20.93	-0.65	20.28	<=33.01	Pass
			6	20.93	-0.65	20.28	<=33.01	Pass
			13	20.86	-0.65	20.21	<=33.01	Pass
		25	0	20.90	-0.65	20.25	<=33.01	Pass
	2617.5	1	0	21.80	-0.65	21.15	<=33.01	Pass
			13	21.89	-0.65	21.24	<=33.01	Pass
			24	21.73	-0.65	21.08	<=33.01	Pass
		12	0	20.75	-0.65	20.10	<=33.01	Pass
			6	20.90	-0.65	20.25	<=33.01	Pass
			13	20.87	-0.65	20.22	<=33.01	Pass
		25	0	20.79	-0.65	20.14	<=33.01	Pass
16QAM	2572.5	1	0	20.77	-0.65	20.12	<=33.01	Pass
			13	20.94	-0.65	20.29	<=33.01	Pass
			24	20.98	-0.65	20.33	<=33.01	Pass
		12	0	19.82	-0.65	19.17	<=33.01	Pass
			6	19.85	-0.65	19.20	<=33.01	Pass
			13	19.83	-0.65	19.18	<=33.01	Pass
		25	0	19.90	-0.65	19.25	<=33.01	Pass
	2595	1	0	20.92	-0.65	20.27	<=33.01	Pass
			13	20.71	-0.65	20.06	<=33.01	Pass
			24	20.80	-0.65	20.15	<=33.01	Pass
		12	0	19.81	-0.65	19.16	<=33.01	Pass
			6	20.07	-0.65	19.42	<=33.01	Pass
			13	19.79	-0.65	19.14	<=33.01	Pass
		25	0	19.86	-0.65	19.21	<=33.01	Pass
	2617.5	1	0	21.03	-0.65	20.38	<=33.01	Pass
			13	20.85	-0.65	20.20	<=33.01	Pass
			24	20.82	-0.65	20.17	<=33.01	Pass
		12	0	19.74	-0.65	19.09	<=33.01	Pass
			6	20.02	-0.65	19.37	<=33.01	Pass
			13	19.77	-0.65	19.12	<=33.01	Pass
		25	0	19.79	-0.65	19.14	<=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	21.97	-0.65	21.32	<=33.01	Pass
			25	22.09	-0.65	21.44	<=33.01	Pass
			49	21.81	-0.65	21.16	<=33.01	Pass
		25	0	20.95	-0.65	20.30	<=33.01	Pass
			13	20.99	-0.65	20.34	<=33.01	Pass
			25	20.94	-0.65	20.29	<=33.01	Pass
		50	0	20.94	-0.65	20.29	<=33.01	Pass
	2595	1	0	21.96	-0.65	21.31	<=33.01	Pass
			25	22.07	-0.65	21.42	<=33.01	Pass
			49	21.85	-0.65	21.20	<=33.01	Pass
		25	0	20.92	-0.65	20.27	<=33.01	Pass
			13	20.85	-0.65	20.20	<=33.01	Pass
			25	20.83	-0.65	20.18	<=33.01	Pass
		50	0	20.85	-0.65	20.20	<=33.01	Pass
	2615	1	0	21.80	-0.65	21.15	<=33.01	Pass
			25	22.09	-0.65	21.44	<=33.01	Pass
			49	21.81	-0.65	21.16	<=33.01	Pass
		25	0	20.87	-0.65	20.22	<=33.01	Pass
			13	20.83	-0.65	20.18	<=33.01	Pass
			25	20.77	-0.65	20.12	<=33.01	Pass
		50	0	20.91	-0.65	20.26	<=33.01	Pass
16QAM	2575	1	0	20.80	-0.65	20.15	<=33.01	Pass
			25	20.75	-0.65	20.10	<=33.01	Pass
			49	20.76	-0.65	20.11	<=33.01	Pass
		25	0	19.96	-0.65	19.31	<=33.01	Pass
			13	20.01	-0.65	19.36	<=33.01	Pass
			25	19.93	-0.65	19.28	<=33.01	Pass
		50	0	19.91	-0.65	19.26	<=33.01	Pass
	2595	1	0	20.74	-0.65	20.09	<=33.01	Pass
			25	20.93	-0.65	20.28	<=33.01	Pass
			49	20.71	-0.65	20.06	<=33.01	Pass
		25	0	19.97	-0.65	19.32	<=33.01	Pass
			13	19.94	-0.65	19.29	<=33.01	Pass
			25	19.92	-0.65	19.27	<=33.01	Pass
		50	0	19.96	-0.65	19.31	<=33.01	Pass
	2615	1	0	20.90	-0.65	20.25	<=33.01	Pass
			25	21.14	-0.65	20.49	<=33.01	Pass
			49	20.93	-0.65	20.28	<=33.01	Pass
		25	0	20.02	-0.65	19.37	<=33.01	Pass
			13	19.95	-0.65	19.30	<=33.01	Pass
			25	19.92	-0.65	19.27	<=33.01	Pass
		50	0	19.96	-0.65	19.31	<=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	21.92	-0.65	21.27	<=33.01	Pass
			38	21.92	-0.65	21.27	<=33.01	Pass
			74	21.86	-0.65	21.21	<=33.01	Pass
		36	0	20.96	-0.65	20.31	<=33.01	Pass
			18	20.98	-0.65	20.33	<=33.01	Pass
			39	20.89	-0.65	20.24	<=33.01	Pass
		75	0	20.94	-0.65	20.29	<=33.01	Pass
	2595	1	0	21.86	-0.65	21.21	<=33.01	Pass

			38	22.01	-0.65	21.36	<=33.01	Pass		
			74	21.84	-0.65	21.19	<=33.01	Pass		
		36	0	20.88	-0.65	20.23	<=33.01	Pass		
			18	20.94	-0.65	20.29	<=33.01	Pass		
			39	20.81	-0.65	20.16	<=33.01	Pass		
		75	0	20.93	-0.65	20.28	<=33.01	Pass		
		2612.5	1	0	21.73	-0.65	21.08	<=33.01	Pass	
	38			21.97	-0.65	21.32	<=33.01	Pass		
	74			21.76	-0.65	21.11	<=33.01	Pass		
	36		0	20.85	-0.65	20.20	<=33.01	Pass		
			18	20.85	-0.65	20.20	<=33.01	Pass		
			39	20.79	-0.65	20.14	<=33.01	Pass		
	75		0	20.80	-0.65	20.15	<=33.01	Pass		
	16QAM	2577.5	1	0	20.92	-0.65	20.27	<=33.01	Pass	
38				20.75	-0.65	20.10	<=33.01	Pass		
74				20.59	-0.65	19.94	<=33.01	Pass		
36			0	20.01	-0.65	19.36	<=33.01	Pass		
			18	19.87	-0.65	19.22	<=33.01	Pass		
			39	19.86	-0.65	19.21	<=33.01	Pass		
75			0	19.81	-0.65	19.16	<=33.01	Pass		
2595			1	0	20.65	-0.65	20.00	<=33.01	Pass	
				38	20.79	-0.65	20.14	<=33.01	Pass	
		74		20.62	-0.65	19.97	<=33.01	Pass		
		36	0	19.85	-0.65	19.20	<=33.01	Pass		
			18	19.90	-0.65	19.25	<=33.01	Pass		
			39	19.85	-0.65	19.20	<=33.01	Pass		
		75	0	19.95	-0.65	19.30	<=33.01	Pass		
		2612.5	1	0	20.80	-0.65	20.15	<=33.01	Pass	
				38	20.99	-0.65	20.34	<=33.01	Pass	
74				20.82	-0.65	20.17	<=33.01	Pass		
36			0	19.87	-0.65	19.22	<=33.01	Pass		
			18	19.93	-0.65	19.28	<=33.01	Pass		
			39	19.87	-0.65	19.22	<=33.01	Pass		
75			0	19.85	-0.65	19.20	<=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	21.72	-0.65	21.07	<=33.01	Pass
			50	22.06	-0.65	21.41	<=33.01	Pass
			99	21.81	-0.65	21.16	<=33.01	Pass
		50	0	20.93	-0.65	20.28	<=33.01	Pass
			25	20.91	-0.65	20.26	<=33.01	Pass
			50	20.83	-0.65	20.18	<=33.01	Pass
		100	0	20.88	-0.65	20.23	<=33.01	Pass
	2595	1	0	21.74	-0.65	21.09	<=33.01	Pass
			50	21.99	-0.65	21.34	<=33.01	Pass
			99	21.81	-0.65	21.16	<=33.01	Pass
		50	0	20.97	-0.65	20.32	<=33.01	Pass
			25	20.85	-0.65	20.20	<=33.01	Pass
			50	20.74	-0.65	20.09	<=33.01	Pass
		100	0	20.88	-0.65	20.23	<=33.01	Pass
	2610	1	0	21.79	-0.65	21.14	<=33.01	Pass
			50	22.07	-0.65	21.42	<=33.01	Pass
			99	21.68	-0.65	21.03	<=33.01	Pass
		50	0	20.93	-0.65	20.28	<=33.01	Pass

16QAM	2580	100	25	20.79	-0.65	20.14	<=33.01	Pass
			50	20.65	-0.65	20.00	<=33.01	Pass
			0	20.81	-0.65	20.16	<=33.01	Pass
		1	0	20.82	-0.65	20.17	<=33.01	Pass
			50	20.53	-0.65	19.88	<=33.01	Pass
			99	20.85	-0.65	20.20	<=33.01	Pass
		50	0	19.89	-0.65	19.24	<=33.01	Pass
			25	19.86	-0.65	19.21	<=33.01	Pass
			50	19.82	-0.65	19.17	<=33.01	Pass
		100	0	19.87	-0.65	19.22	<=33.01	Pass
	2595	1	0	20.45	-0.65	19.80	<=33.01	Pass
			50	20.85	-0.65	20.20	<=33.01	Pass
			99	20.58	-0.65	19.93	<=33.01	Pass
		50	0	19.95	-0.65	19.30	<=33.01	Pass
			25	19.97	-0.65	19.32	<=33.01	Pass
			50	19.84	-0.65	19.19	<=33.01	Pass
		100	0	19.95	-0.65	19.30	<=33.01	Pass
			0	20.77	-0.65	20.12	<=33.01	Pass
			50	21.06	-0.65	20.41	<=33.01	Pass
	2610	1	99	20.78	-0.65	20.13	<=33.01	Pass
			0	19.97	-0.65	19.32	<=33.01	Pass
			25	19.96	-0.65	19.31	<=33.01	Pass
		50	50	19.75	-0.65	19.10	<=33.01	Pass
			0	19.84	-0.65	19.19	<=33.01	Pass
			0					
			0					
			0					
			0					
			0					

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	-16.494	-0.0064	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
					4.43	-16.165	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-14.892	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-18.983	-0.0074	-2.5 to 2.5	Pass
				0	3.85	4.163	0.0016	-2.5 to 2.5	Pass
				10	3.85	4.563	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.732	0.0011	-2.5 to 2.5	Pass
				40	3.85	-10.958	-0.0043	-2.5 to 2.5	Pass
				50	3.85	4.792	0.0019	-2.5 to 2.5	Pass
				2595	25	0	20	3.27	-9.942
	3.85	-20.657	-0.0080					-2.5 to 2.5	Pass
	4.43	-19.984	-0.0077					-2.5 to 2.5	Pass
	-30	3.85	-20.399				-0.0079	-2.5 to 2.5	Pass
	-20	3.85	-27.223				-0.0105	-2.5 to 2.5	Pass
	-10	3.85	-30.742				-0.0118	-2.5 to 2.5	Pass
	0	3.85	-20.442				-0.0079	-2.5 to 2.5	Pass
	10	3.85	-11.072				-0.0043	-2.5 to 2.5	Pass
	30	3.85	-21.429				-0.0083	-2.5 to 2.5	Pass
	40	3.85	-15.306				-0.0059	-2.5 to 2.5	Pass
	50	3.85	-12.517				-0.0048	-2.5 to 2.5	Pass
	2617.5	25	0				20	3.27	10.915

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					3.85	1.903	0.0007	-2.5 to 2.5	Pass
					4.43	5.651	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	9.255	0.0035	-2.5 to 2.5	Pass
				-10	3.85	11.644	0.0044	-2.5 to 2.5	Pass
				0	3.85	8.268	0.0032	-2.5 to 2.5	Pass
				10	3.85	10.643	0.0041	-2.5 to 2.5	Pass
				30	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				40	3.85	13.347	0.0051	-2.5 to 2.5	Pass
				50	3.85	16.508	0.0063	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	-11.301	-0.0044	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-12.331	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	3.948	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-11.244	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	8.297	0.0032	-2.5 to 2.5	Pass
				0	3.85	5.679	0.0022	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0020	-2.5 to 2.5	Pass
				30	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				40	3.85	13.604	0.0053	-2.5 to 2.5	Pass
	50	3.85	7.153	0.0028	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-20.785	-0.0080	-2.5 to 2.5	Pass
					3.85	-22.674	-0.0087	-2.5 to 2.5	Pass
					4.43	-12.002	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-15.121	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-24.447	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-16.537	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-12.159	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-26.808	-0.0103	-2.5 to 2.5	Pass
	50	3.85	-16.894	-0.0065	-2.5 to 2.5	Pass			
	2617.5	25	0	20	3.27	9.885	0.0038	-2.5 to 2.5	Pass
					3.85	10.886	0.0042	-2.5 to 2.5	Pass
					4.43	21.901	0.0084	-2.5 to 2.5	Pass
				-30	3.85	28.367	0.0108	-2.5 to 2.5	Pass
				-20	3.85	20.342	0.0078	-2.5 to 2.5	Pass
				-10	3.85	6.309	0.0024	-2.5 to 2.5	Pass
				0	3.85	17.509	0.0067	-2.5 to 2.5	Pass
				10	3.85	27.666	0.0106	-2.5 to 2.5	Pass
30				3.85	10.185	0.0039	-2.5 to 2.5	Pass	
40				3.85	28.224	0.0108	-2.5 to 2.5	Pass	
50	3.85	8.569	0.0033	-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	-12.660	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
					4.43	-11.029	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-19.484	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-16.766	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-10.314	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-12.045	-0.0047	-2.5 to 2.5	Pass

16QAM	2595	50	0	50	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				20	3.27	-16.894	-0.0065	-2.5 to 2.5	Pass
					3.85	-10.757	-0.0041	-2.5 to 2.5	Pass
					4.43	-8.039	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-10.214	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-8.311	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-12.646	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-9.270	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0016	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-8.597	-0.0033	-2.5 to 2.5	Pass
					3.85	-10.815	-0.0041	-2.5 to 2.5	Pass
					4.43	-8.941	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-10.357	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-13.275	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-5.279	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-12.589	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-12.059	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-5.822	-0.0022	-2.5 to 2.5	Pass
	2575	50	0	20	3.27	-10.185	-0.0040	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
					4.43	-9.556	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-7.882	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-6.280	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0004	-2.5 to 2.5	Pass
				50	3.85	-5.579	-0.0022	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-8.712	-0.0034	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-9.141	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-12.245	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0035	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0016	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-8.240	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-9.327	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-18.039	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-4.749	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-7.567	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-15.378	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0026	-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	-8.540	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-14.305	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-12.259	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-11.358	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-9.956	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-11.330	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-9.427	-0.0037	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-11.401	-0.0044	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.423	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-10.400	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-14.491	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-10.843	-0.0042	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-0.887	-0.0003	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-8.068	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-8.397	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-4.048	-0.0015	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-10.400	-0.0040	-2.5 to 2.5	Pass
					3.85	-8.998	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.652	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-12.331	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-10.443	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-11.044	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-12.045	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-4.392	-0.0017	-2.5 to 2.5	Pass
					3.85	-12.002	-0.0046	-2.5 to 2.5	Pass
					4.43	-13.690	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-12.517	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-13.189	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-7.739	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-12.746	-0.0049	-2.5 to 2.5	Pass
	2612.5	75	0	50	3.85	-5.951	-0.0023	-2.5 to 2.5	Pass
				20	3.27	-9.413	-0.0036	-2.5 to 2.5	Pass

					3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
					4.43	-9.713	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.580	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-10.271	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-12.503	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-13.447	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.519	-0.0013	-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	-6.781	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.160	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-7.067	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-5.336	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-7.825	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-8.426	-0.0033	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-5.765	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-3.219	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.964	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.350	-0.0021	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-7.839	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0017	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-8.826	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.124	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-9.913	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.174	-0.0008	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-8.411	-0.0033	-2.5 to 2.5	Pass
					3.85	-10.886	-0.0042	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-8.368	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-6.709	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass

	2595	100	0	50	3.85	-4.334	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-3.319	-0.0013	-2.5 to 2.5	Pass
					3.85	-6.938	-0.0027	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-6.266	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.937	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-6.108	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0025	-2.5 to 2.5	Pass
	2610	100	0	40	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				20	3.27	-7.911	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-11.129	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-7.195	-0.0028	-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

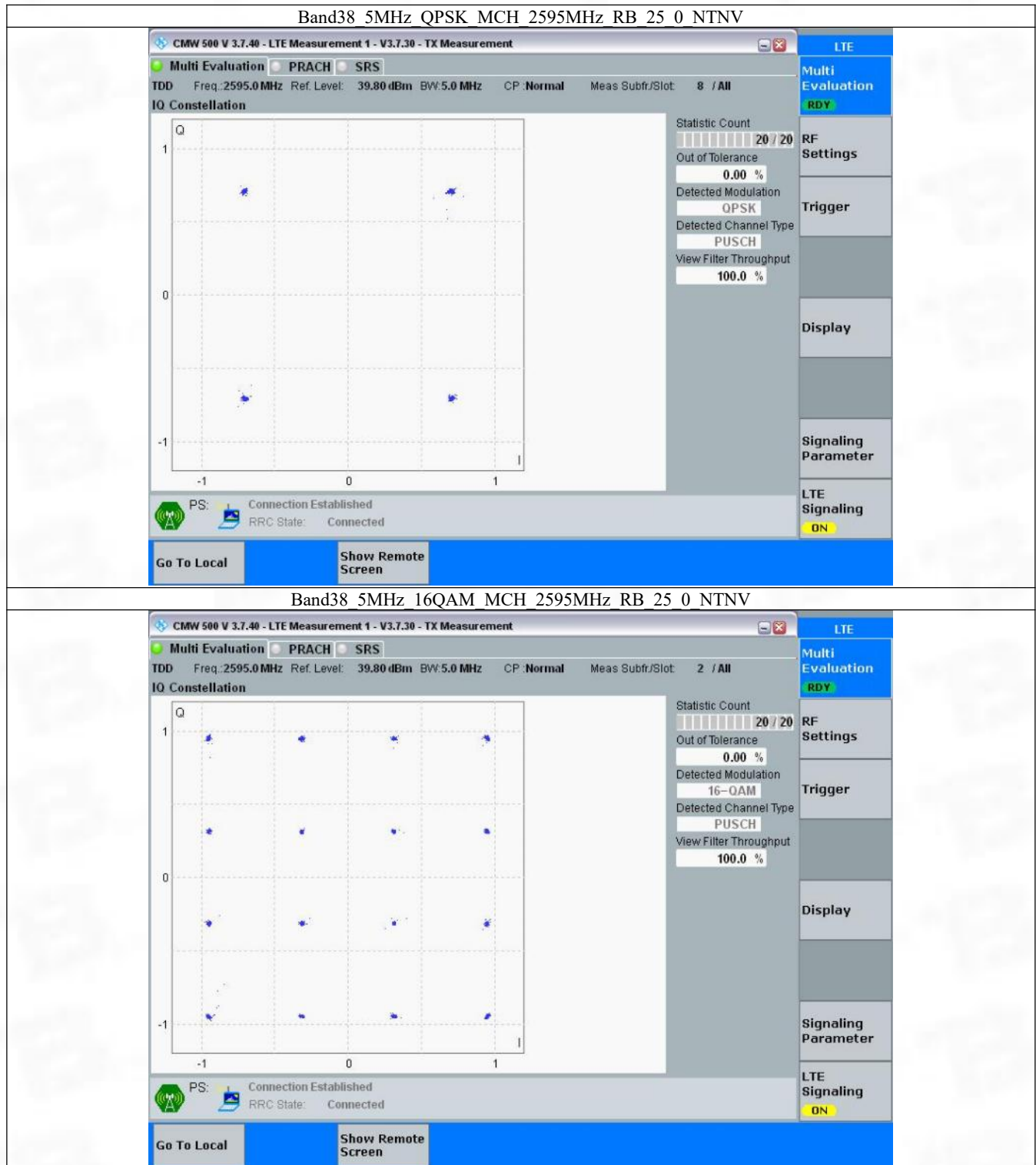
3.1.4 B38_20MHz

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

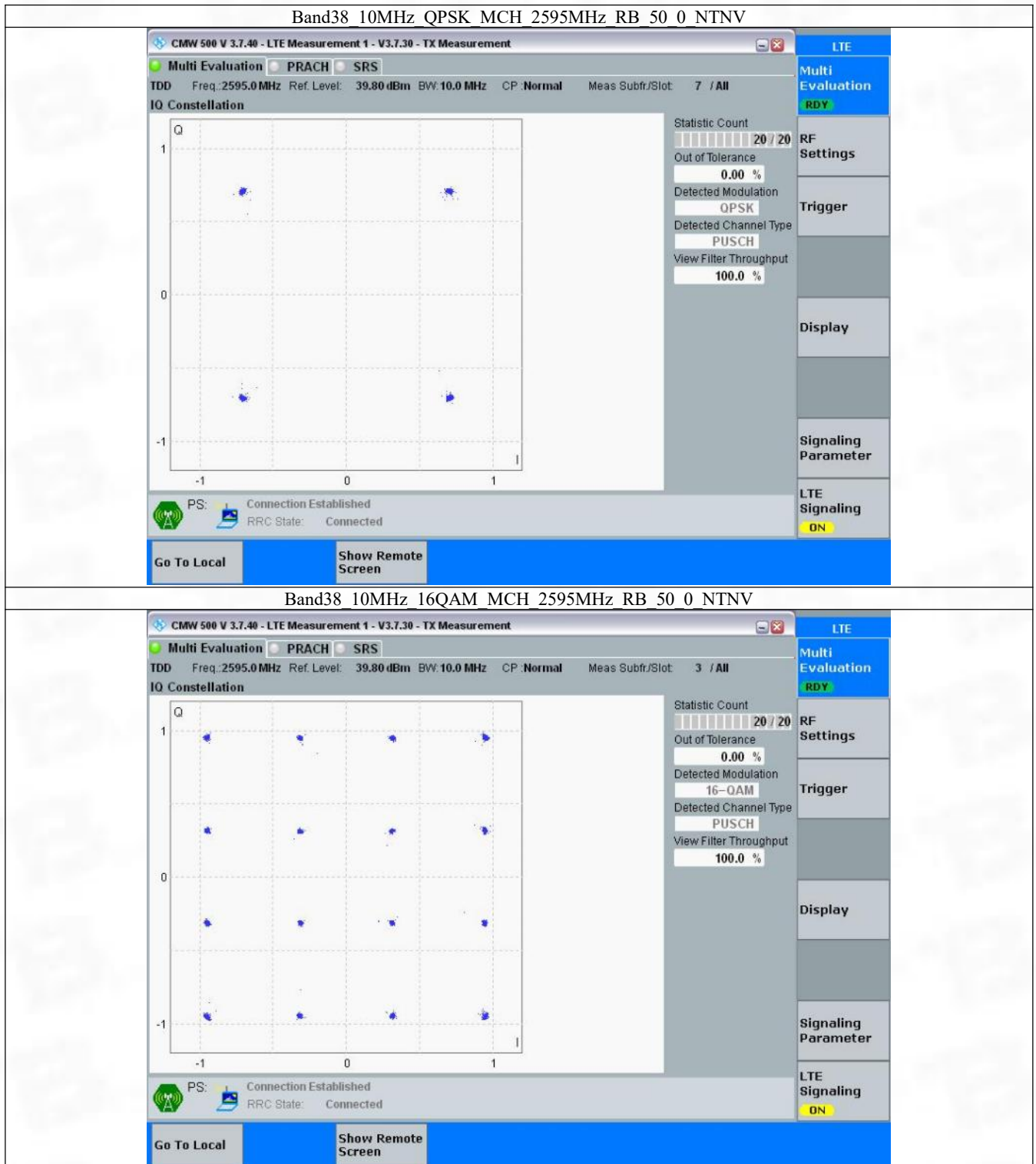
	(MHz)	Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	100	0	Refer To Test Graph		Pass

3.2 Test Graph

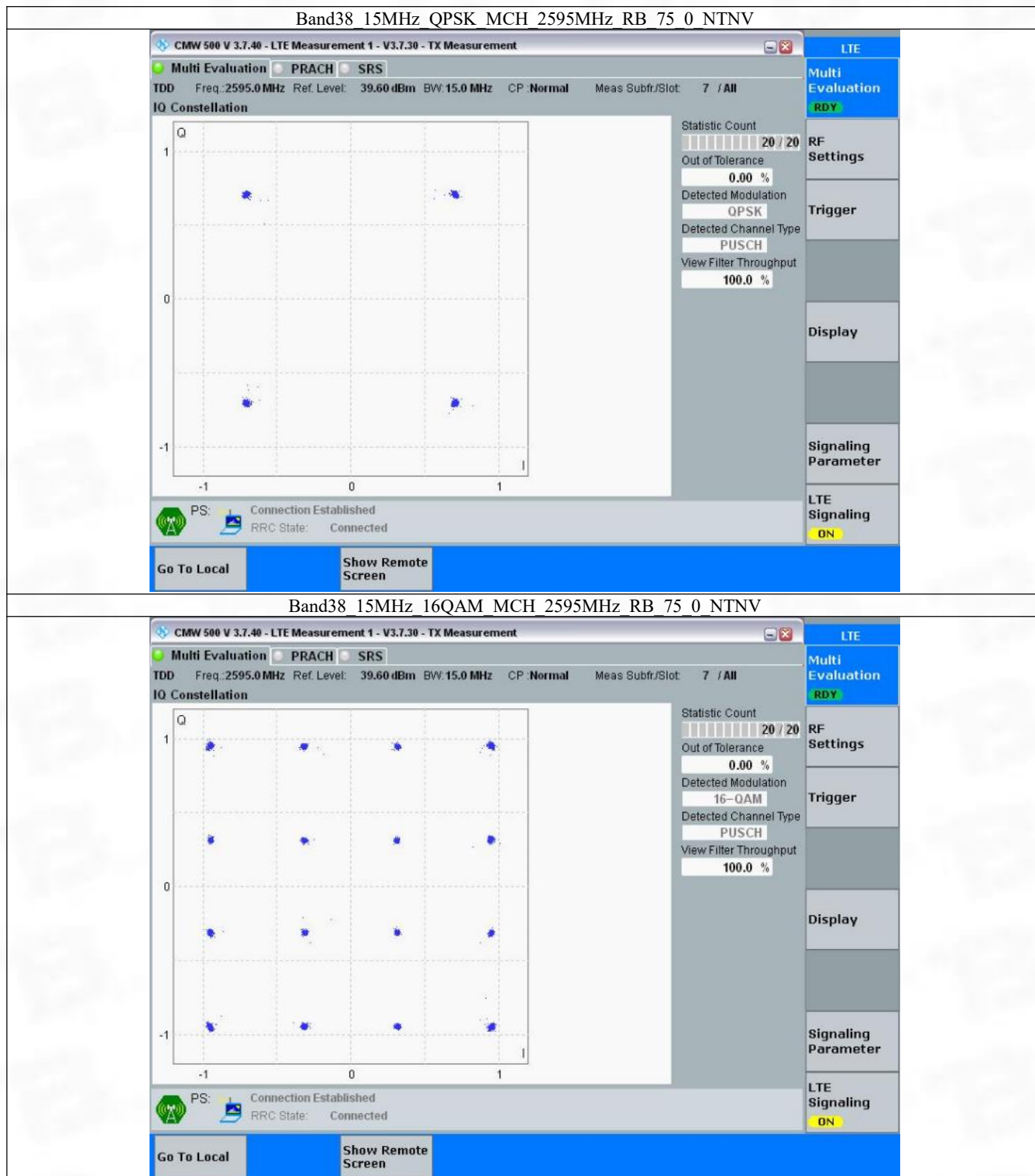
3.2.1 B38_5MHz



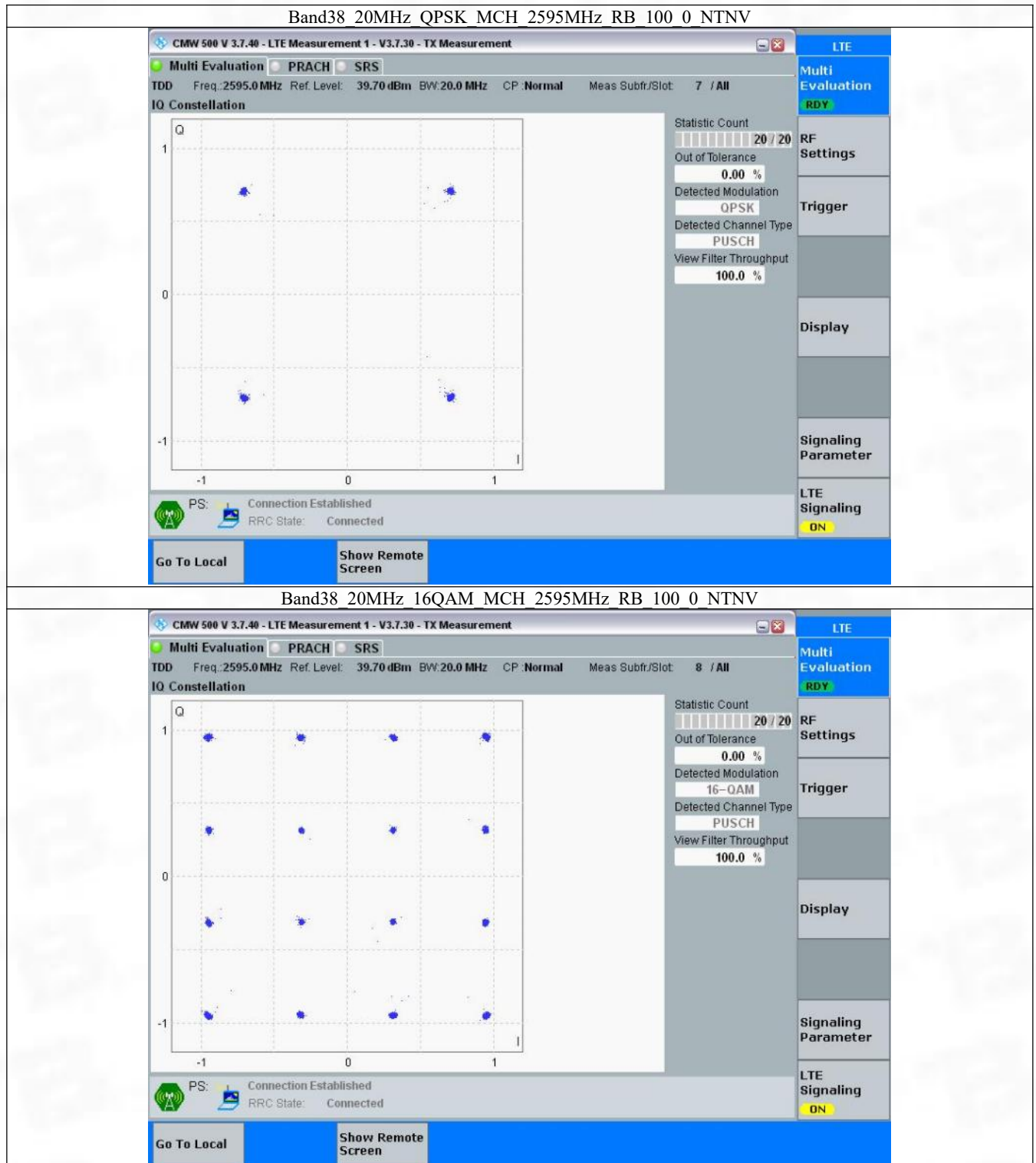
3.2.2 B38_10MHz



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	4.541	/	Pass
		2595	25	0	4.547	/	Pass
		2617.5	25	0	4.547	/	Pass
	16QAM	2572.5	25	0	4.534	/	Pass
		2595	25	0	4.574	/	Pass
		2617.5	25	0	4.550	/	Pass
10	QPSK	2575	50	0	9.086	/	Pass
		2595	50	0	9.061	/	Pass
		2615	50	0	9.071	/	Pass
	16QAM	2575	50	0	9.044	/	Pass
		2595	50	0	9.069	/	Pass
		2615	50	0	9.085	/	Pass
15	QPSK	2577.5	75	0	13.545	/	Pass
		2595	75	0	13.574	/	Pass
		2612.5	75	0	13.598	/	Pass
	16QAM	2577.5	75	0	13.640	/	Pass
		2595	75	0	13.606	/	Pass
		2612.5	75	0	13.591	/	Pass
20	QPSK	2580	100	0	18.140	/	Pass
		2595	100	0	18.073	/	Pass
		2610	100	0	18.134	/	Pass
	16QAM	2580	100	0	18.053	/	Pass
		2595	100	0	18.132	/	Pass
		2610	100	0	18.097	/	Pass

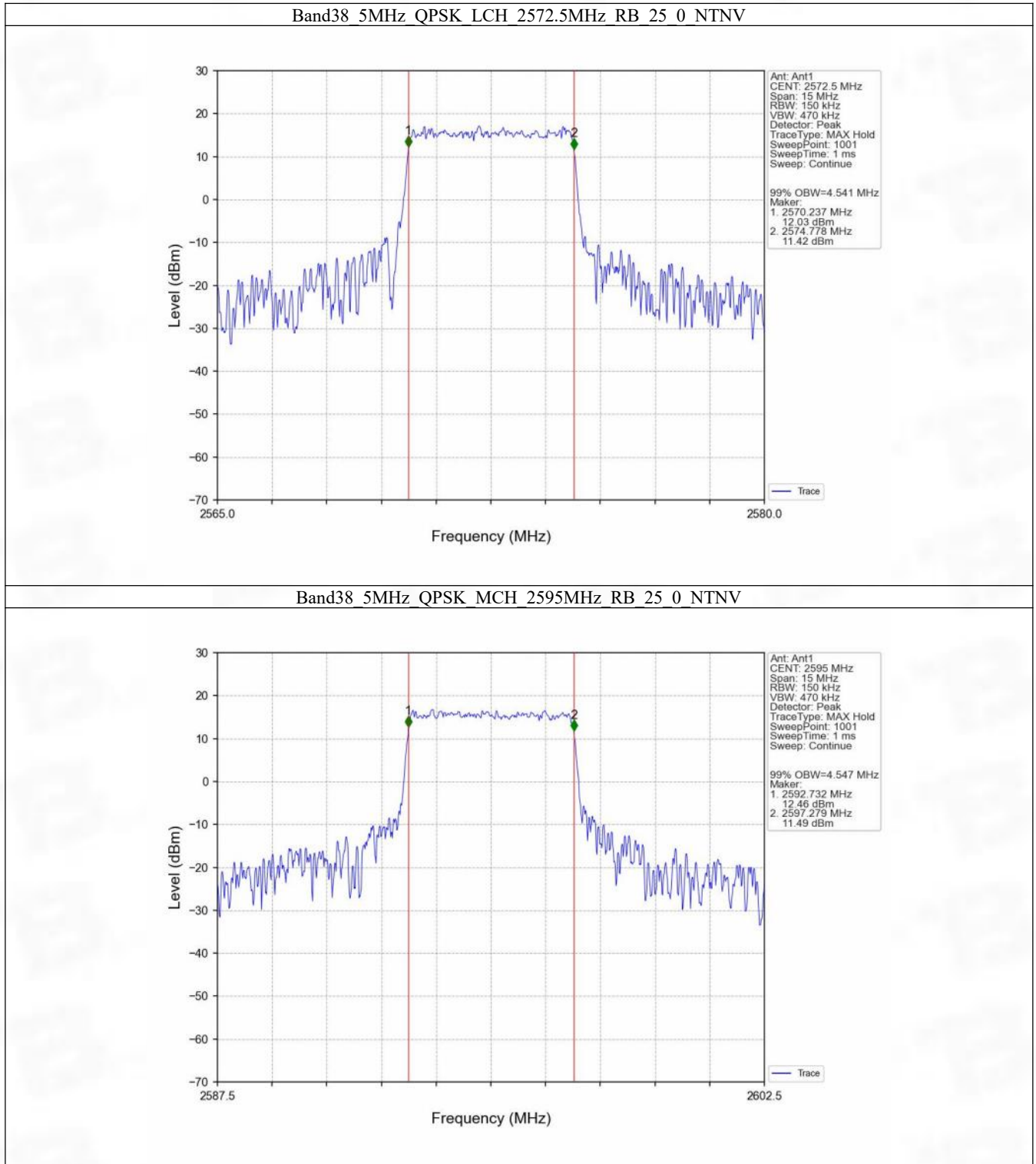
4.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.447	/	Pass
		2595	25	0	5.658	/	Pass
		2617.5	25	0	5.008	/	Pass
	16QAM	2572.5	25	0	5.221	/	Pass
		2595	25	0	5.366	/	Pass
		2617.5	25	0	5.292	/	Pass
10	QPSK	2575	50	0	10.604	/	Pass
		2595	50	0	10.004	/	Pass
		2615	50	0	9.940	/	Pass
	16QAM	2575	50	0	10.151	/	Pass
		2595	50	0	9.898	/	Pass
		2615	50	0	10.346	/	Pass
15	QPSK	2577.5	75	0	15.251	/	Pass
		2595	75	0	15.611	/	Pass
		2612.5	75	0	15.570	/	Pass
	16QAM	2577.5	75	0	17.887	/	Pass
		2595	75	0	16.702	/	Pass
		2612.5	75	0	16.702	/	Pass

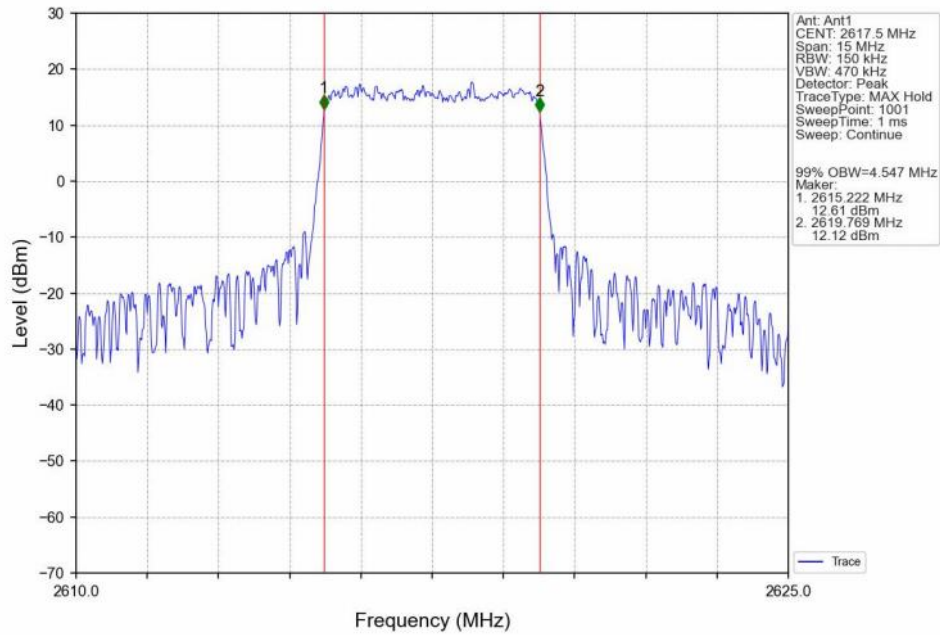
20	QPSK	2612.5	75	0	16.114	/	Pass
		2580	100	0	20.349	/	Pass
		2595	100	0	20.671	/	Pass
		2610	100	0	20.289	/	Pass
	16QAM	2580	100	0	20.065	/	Pass
		2595	100	0	23.603	/	Pass
		2610	100	0	20.046	/	Pass

4.2 Test Graph

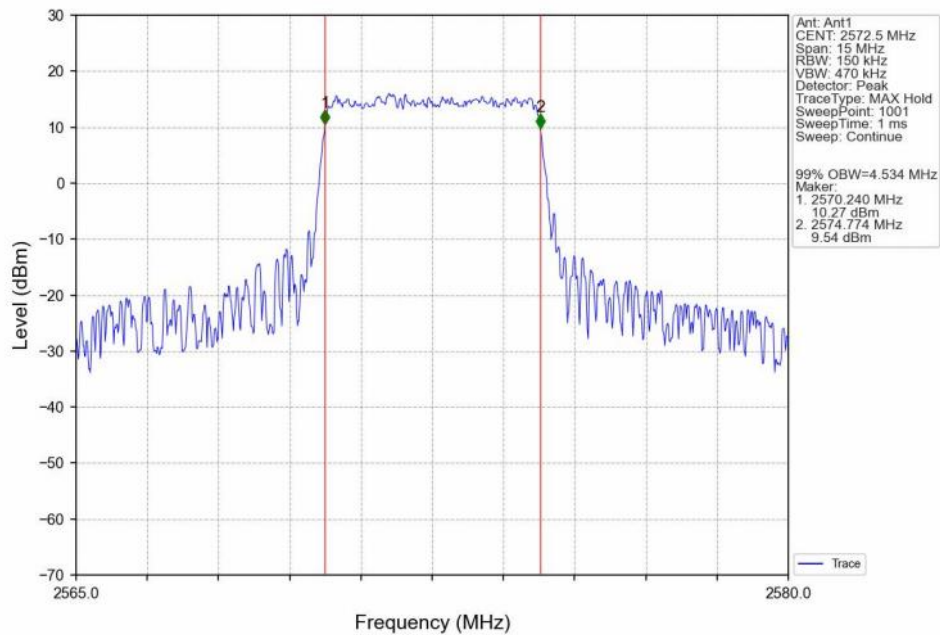
4.2.1 Band38_OBW



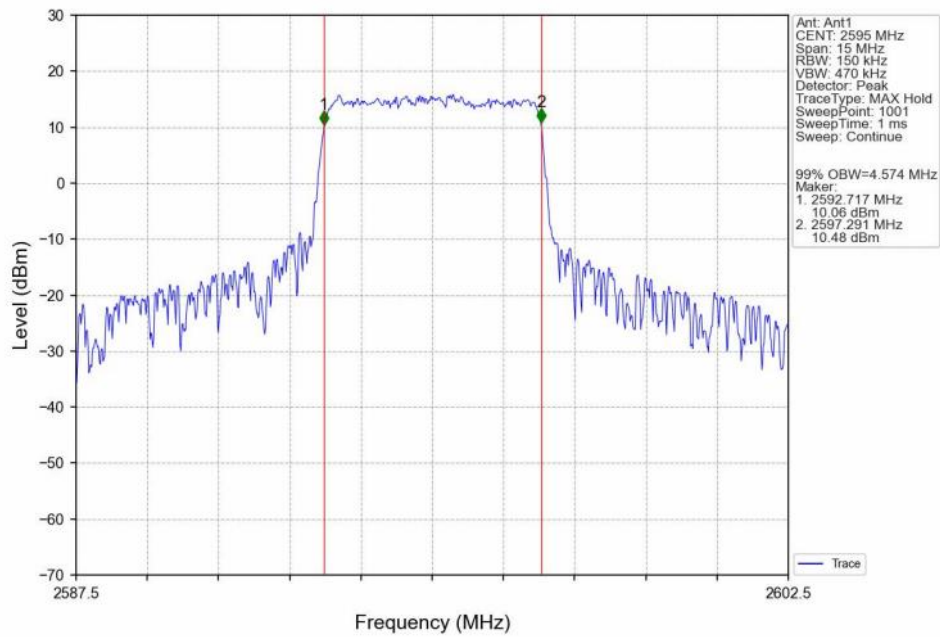
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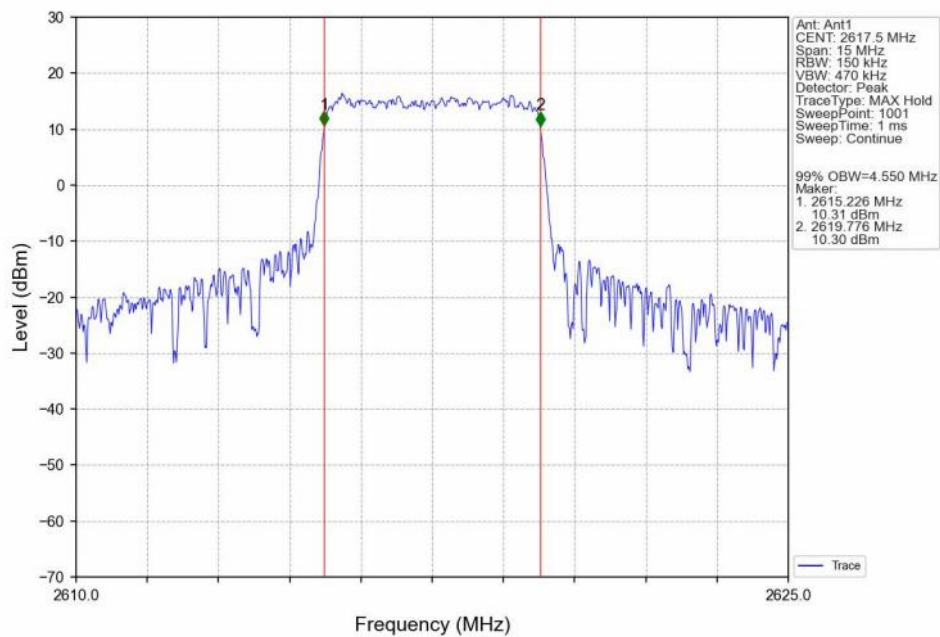
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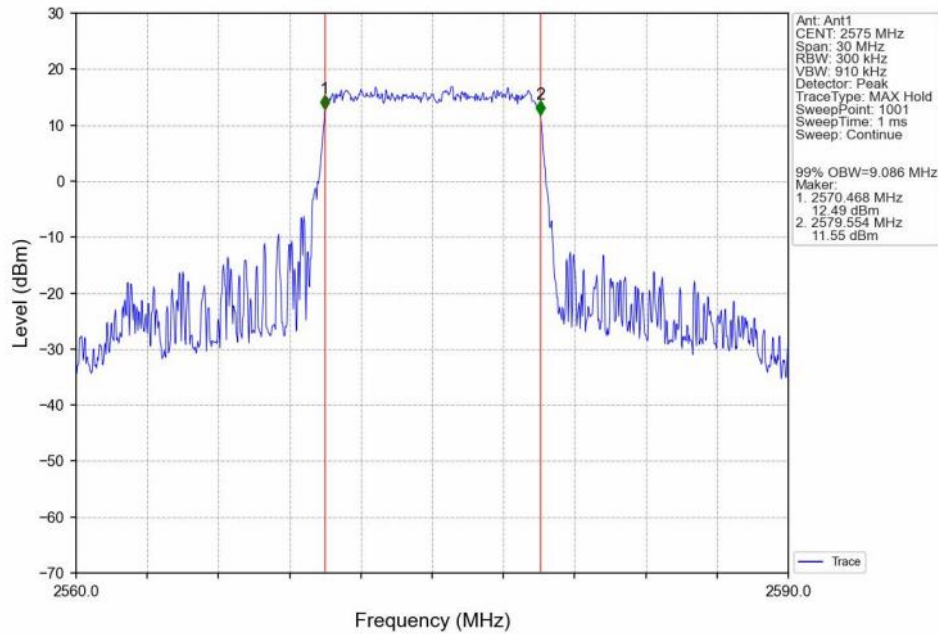
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



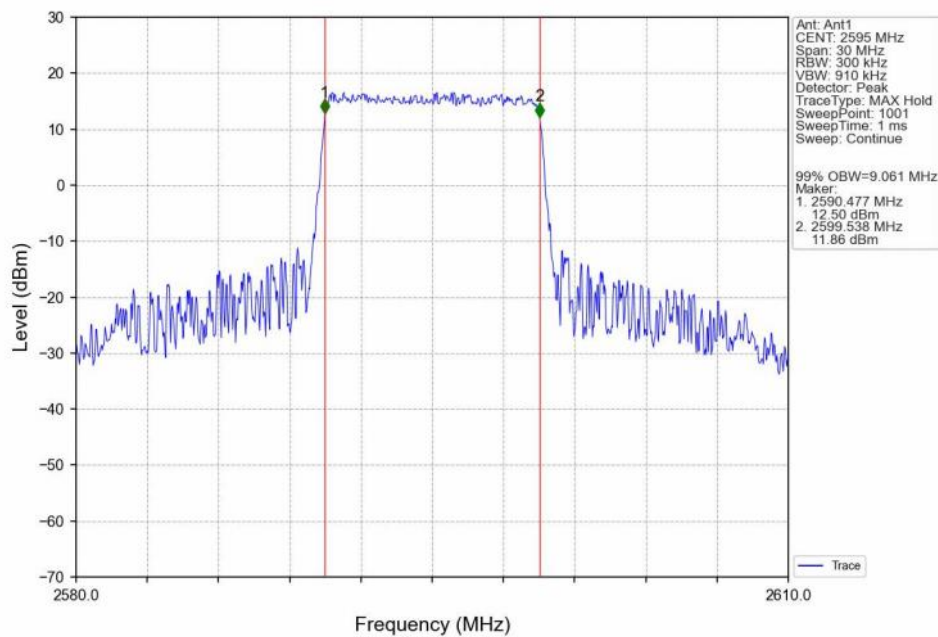
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



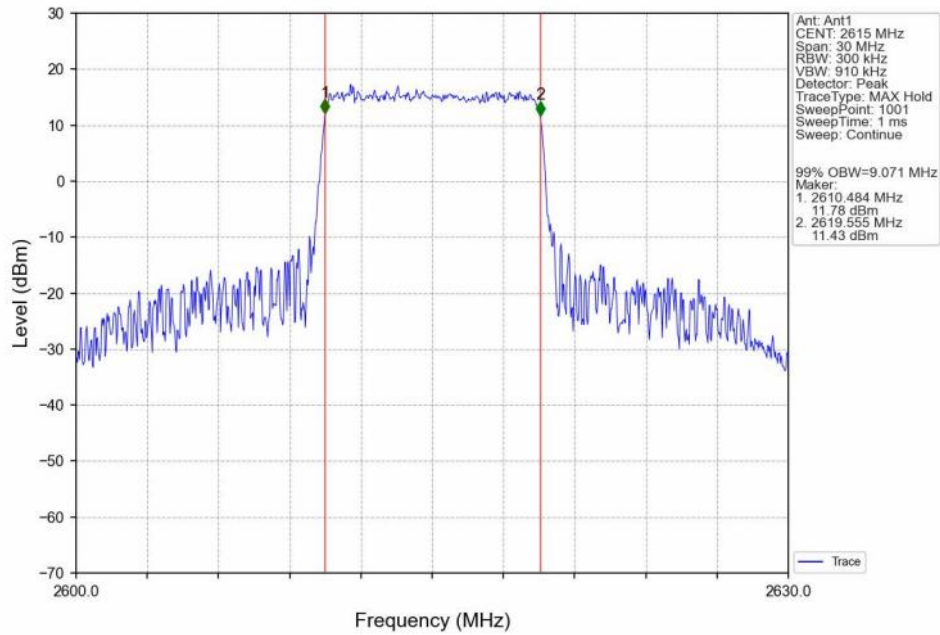
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



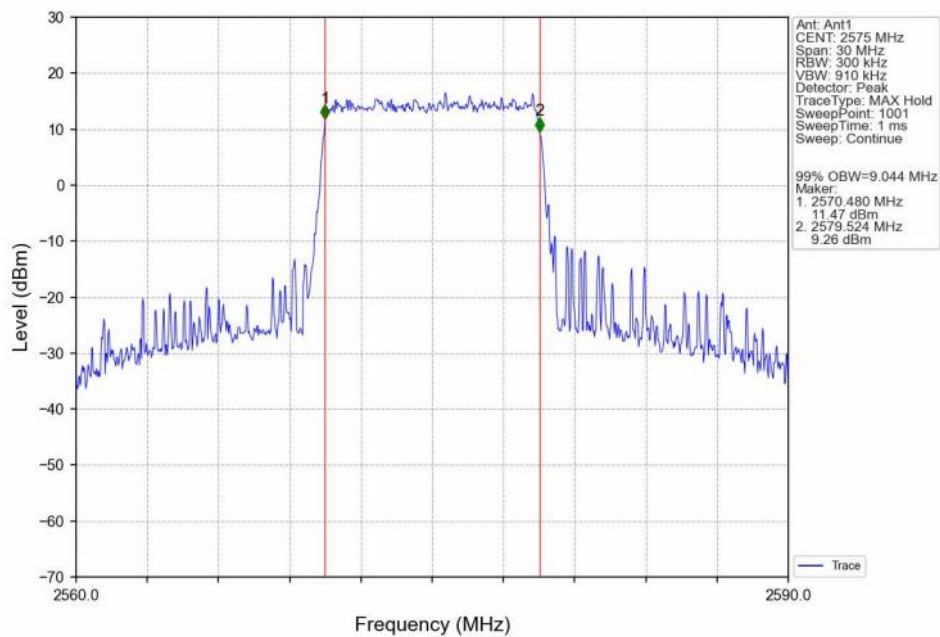
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



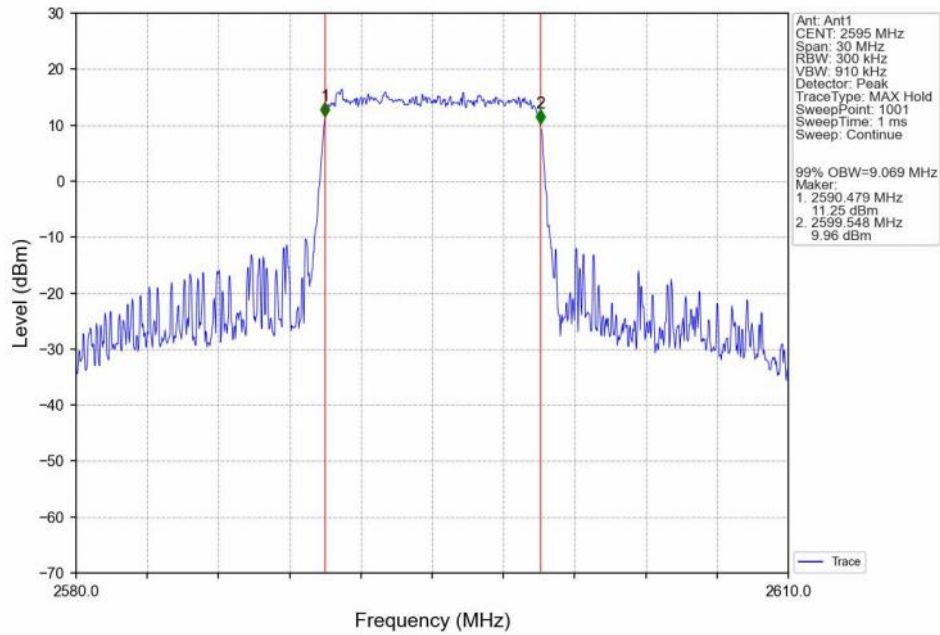
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



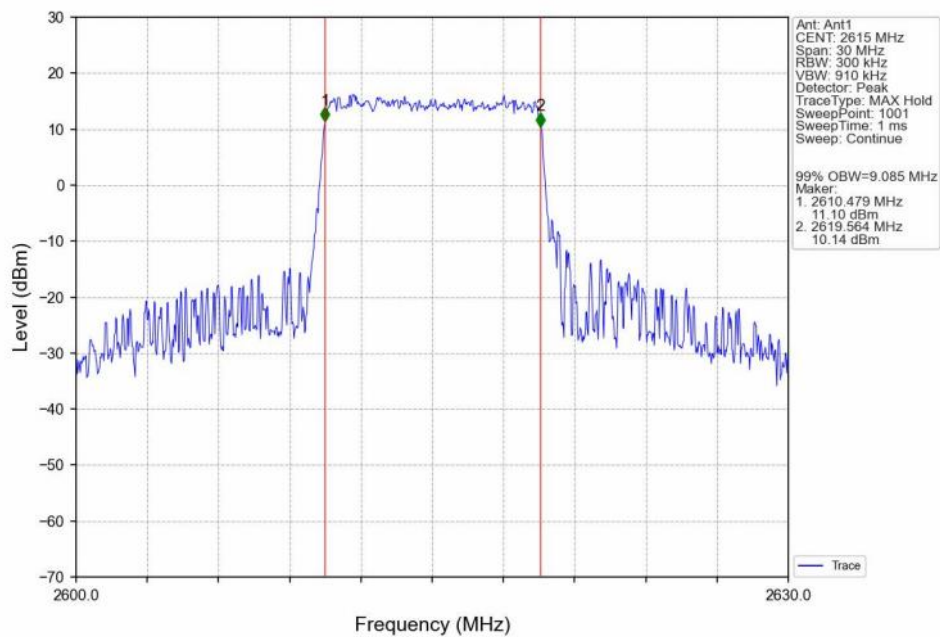
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



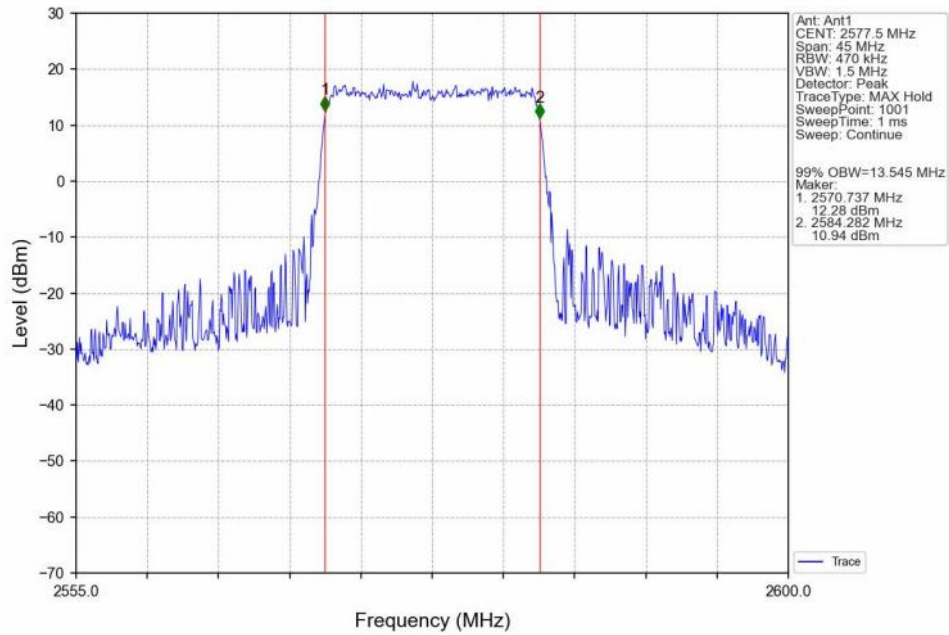
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



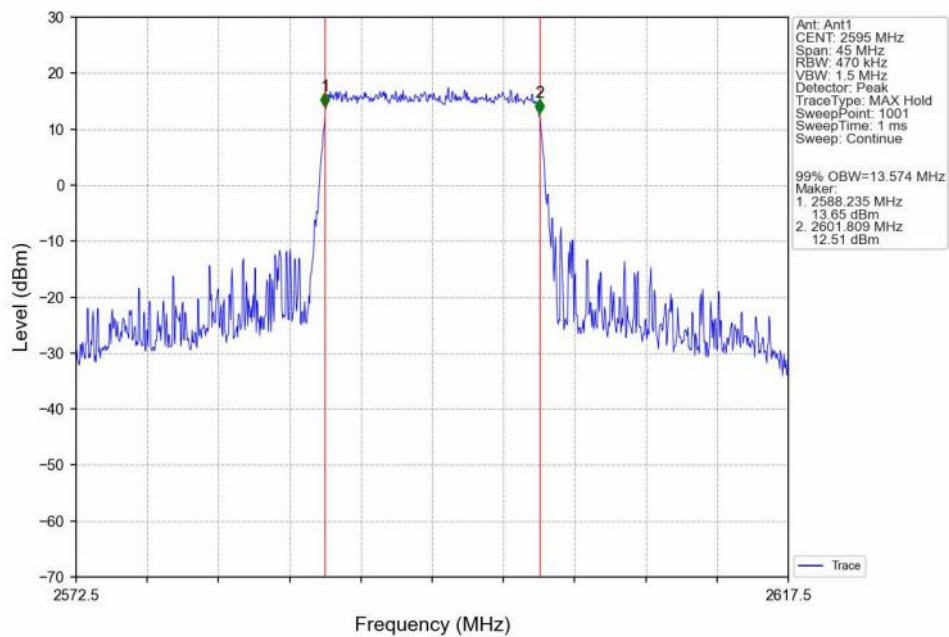
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



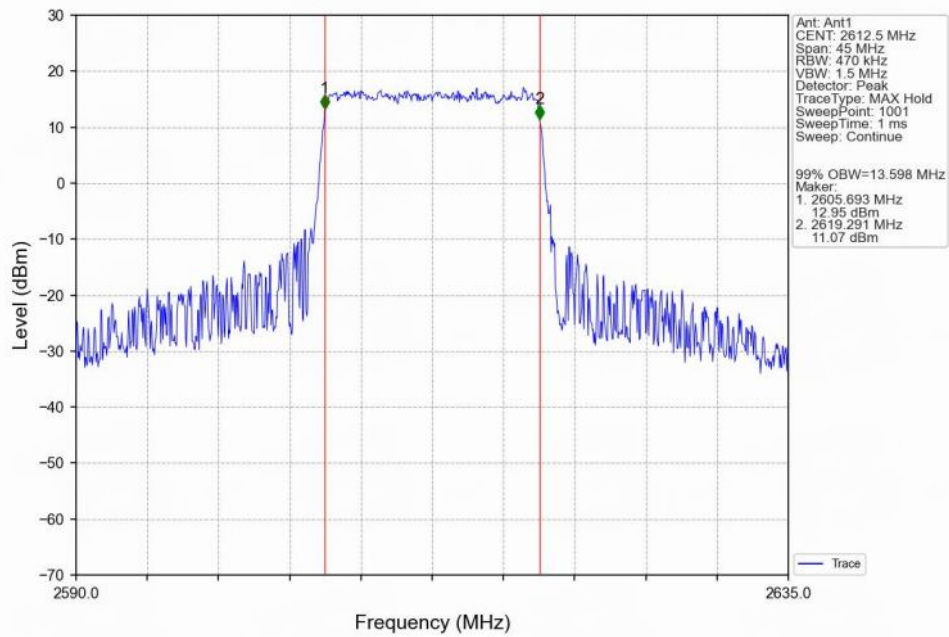
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



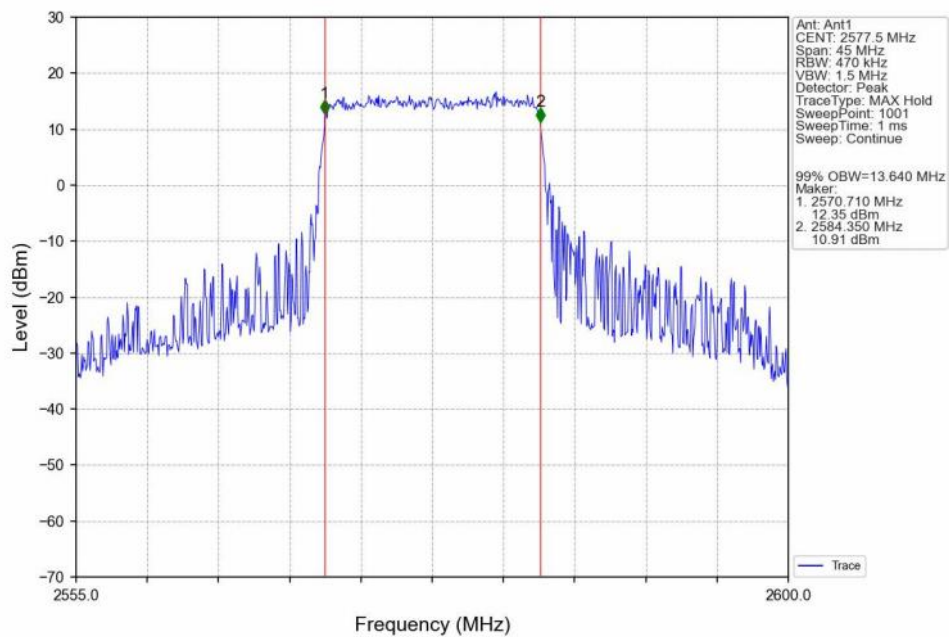
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



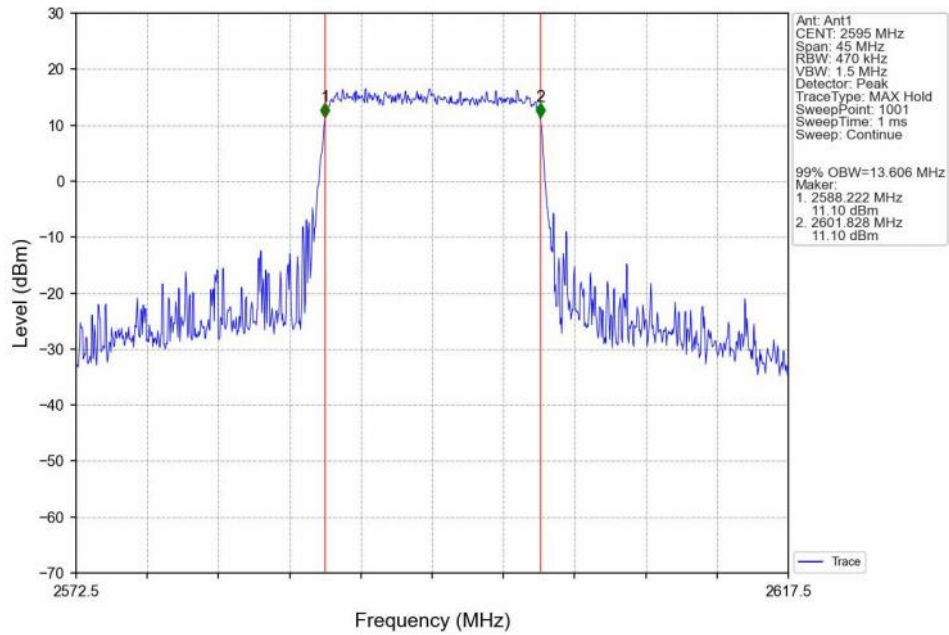
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



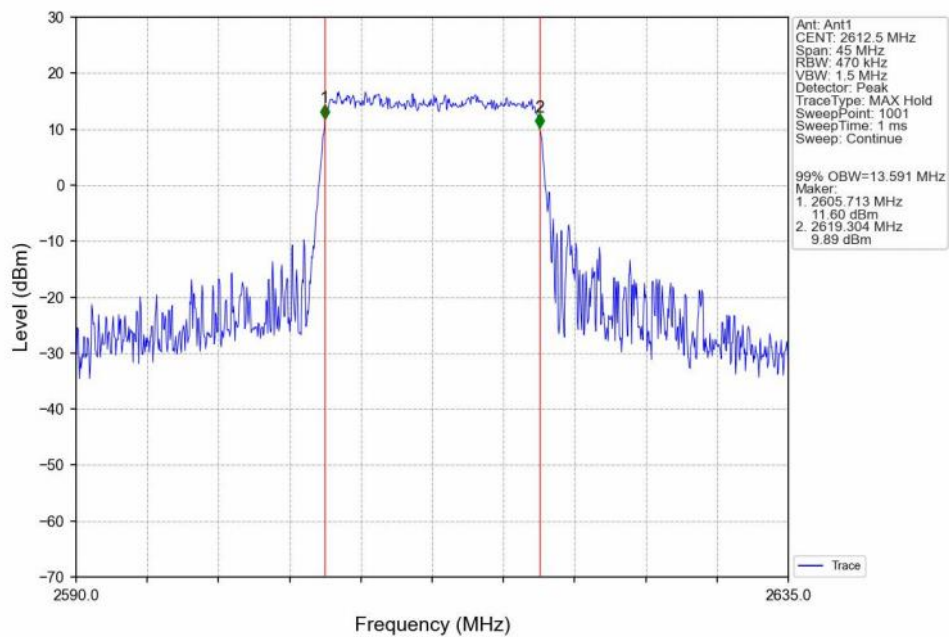
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



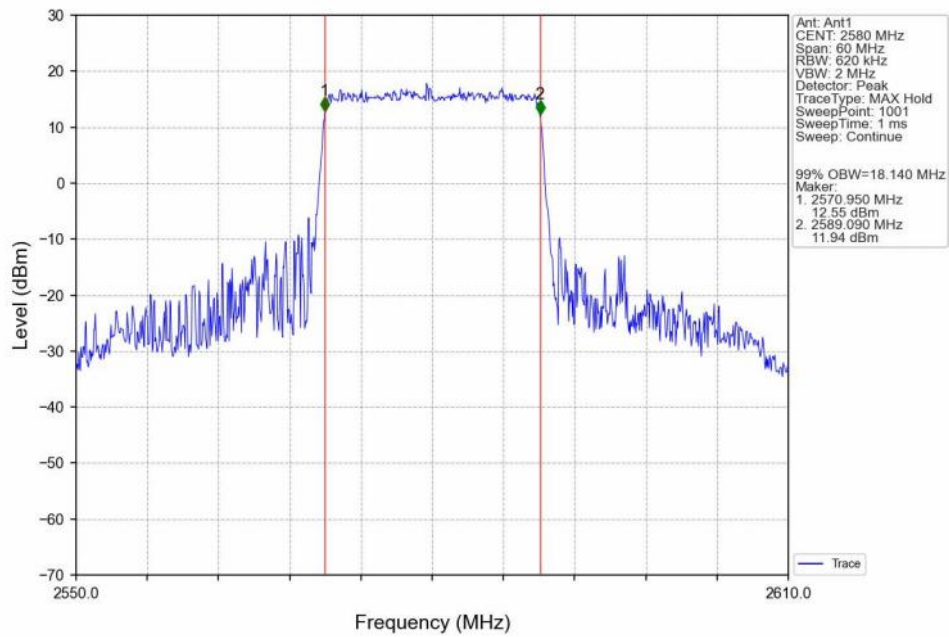
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTV



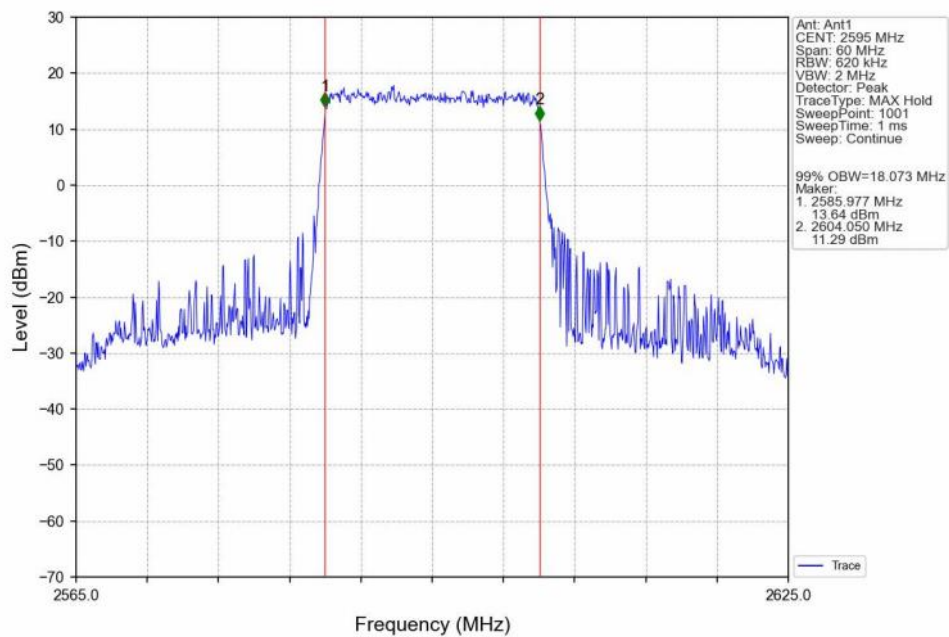
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTV



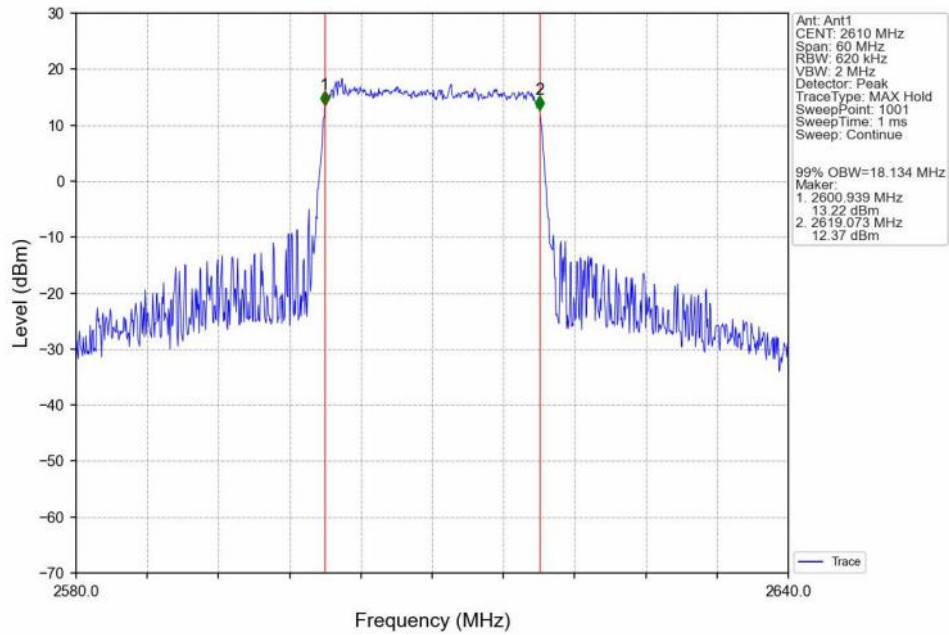
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



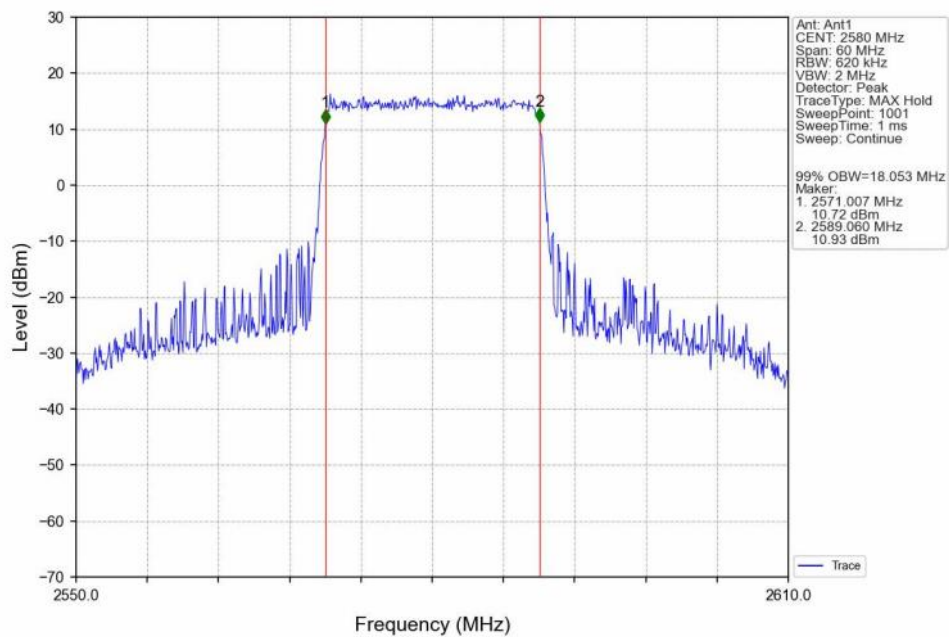
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



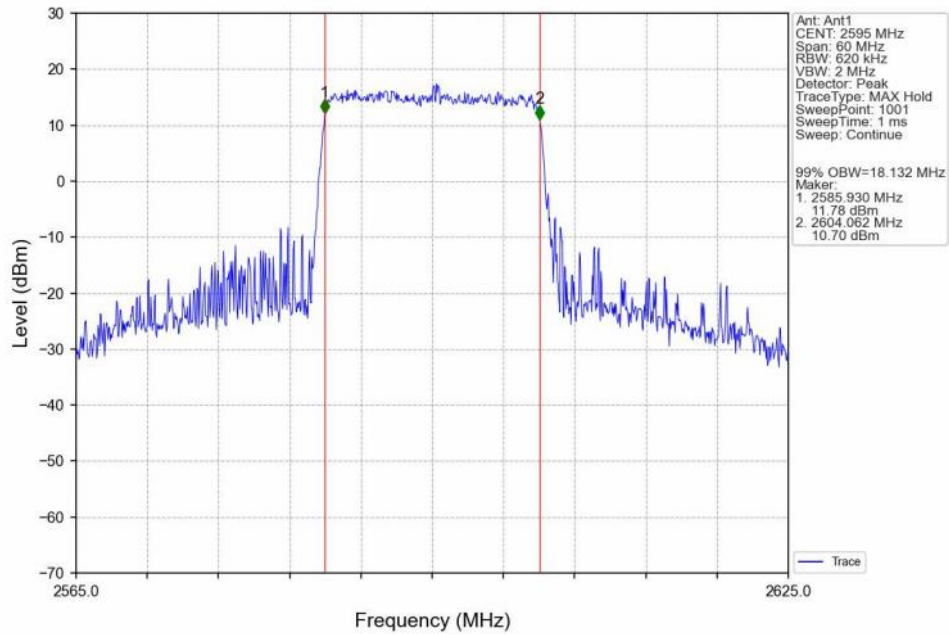
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



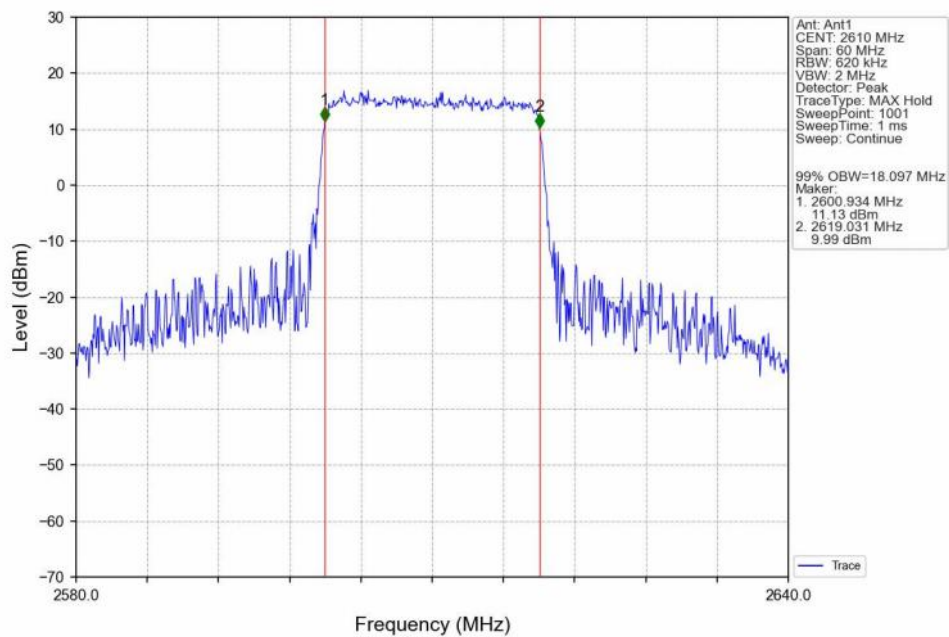
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTNV



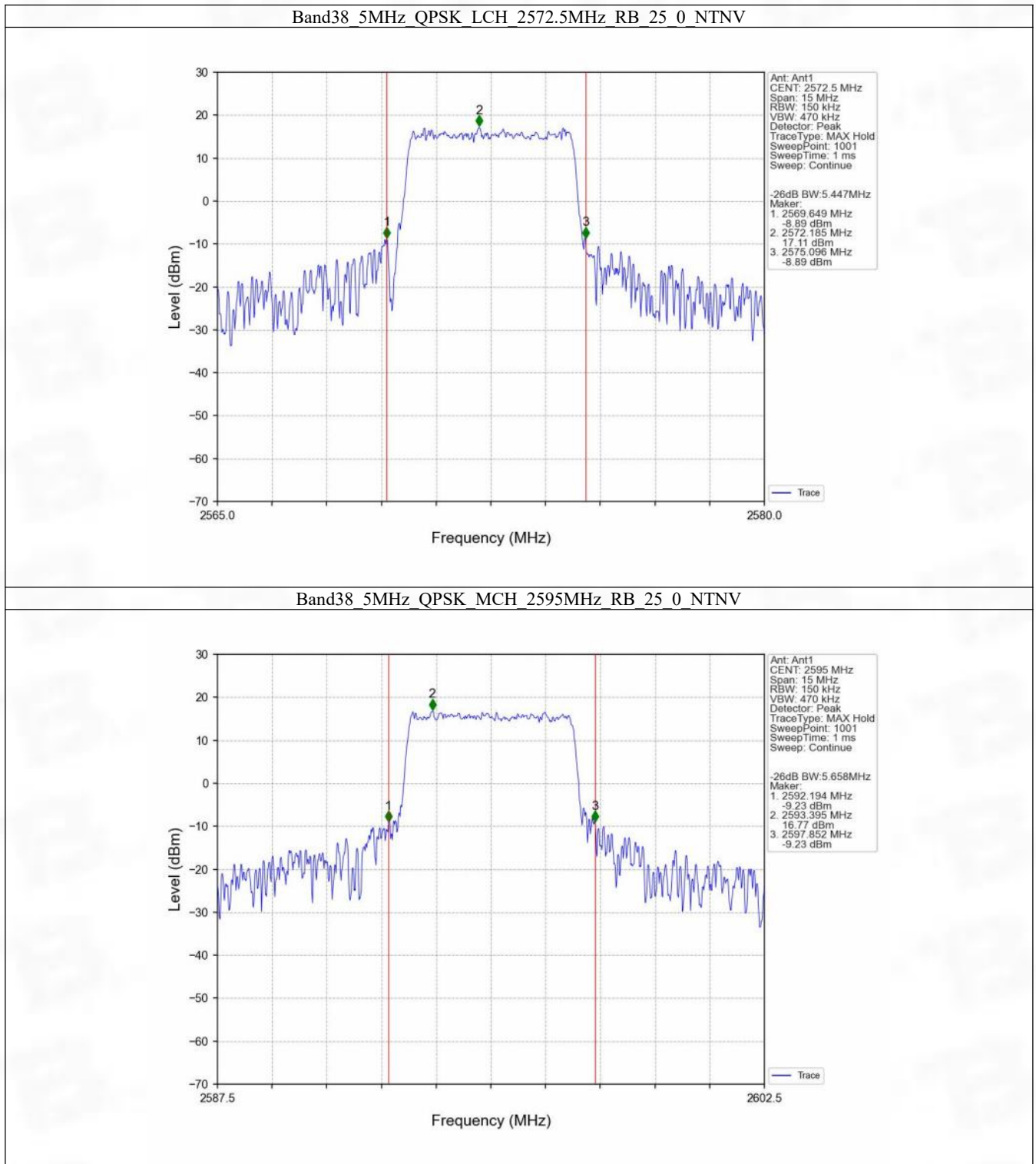
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



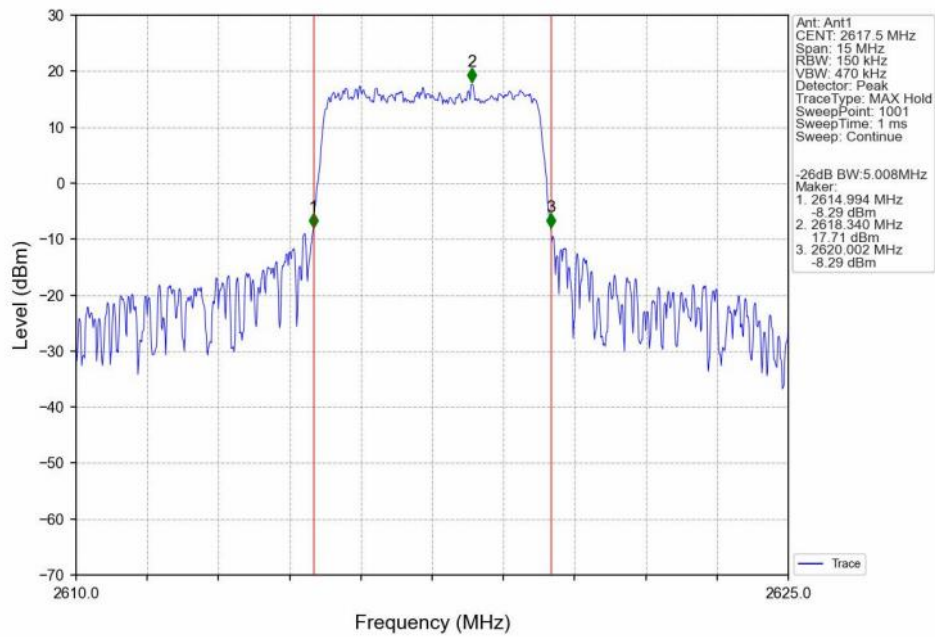
Band38 20MHz 16QAM HCH 2610MHz RB 100 0 NTNV



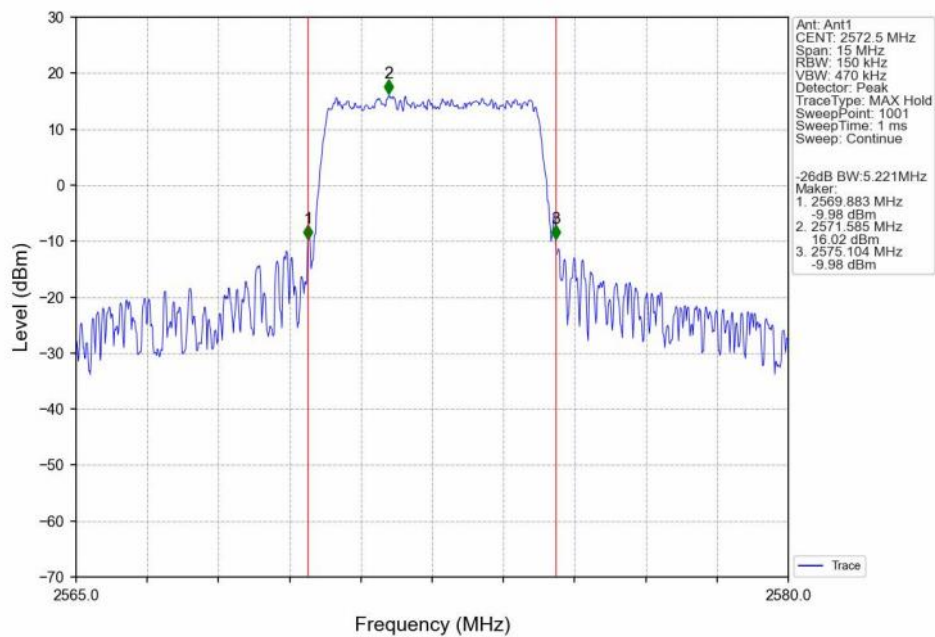
4.2.2 Band38_XDB



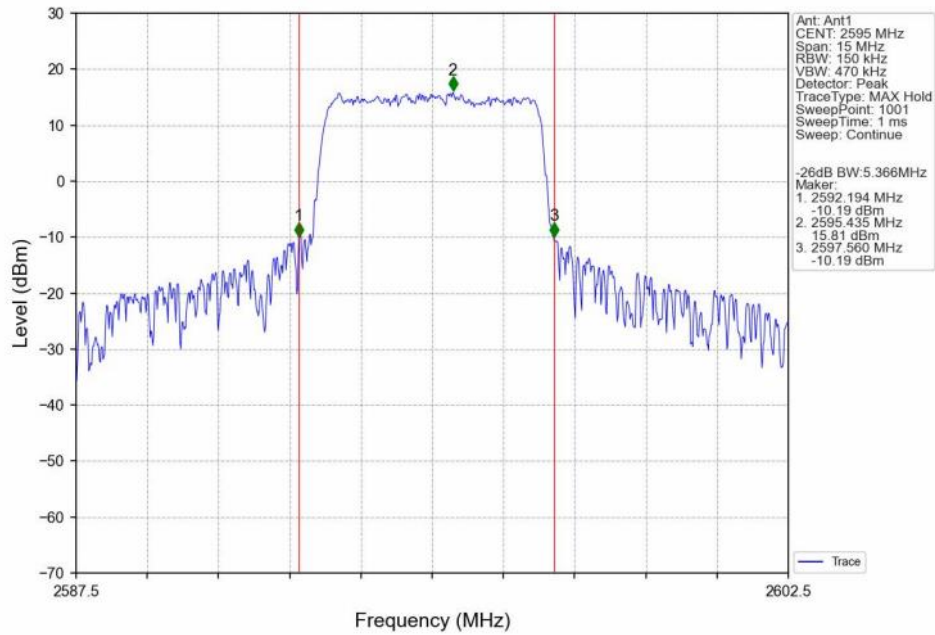
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



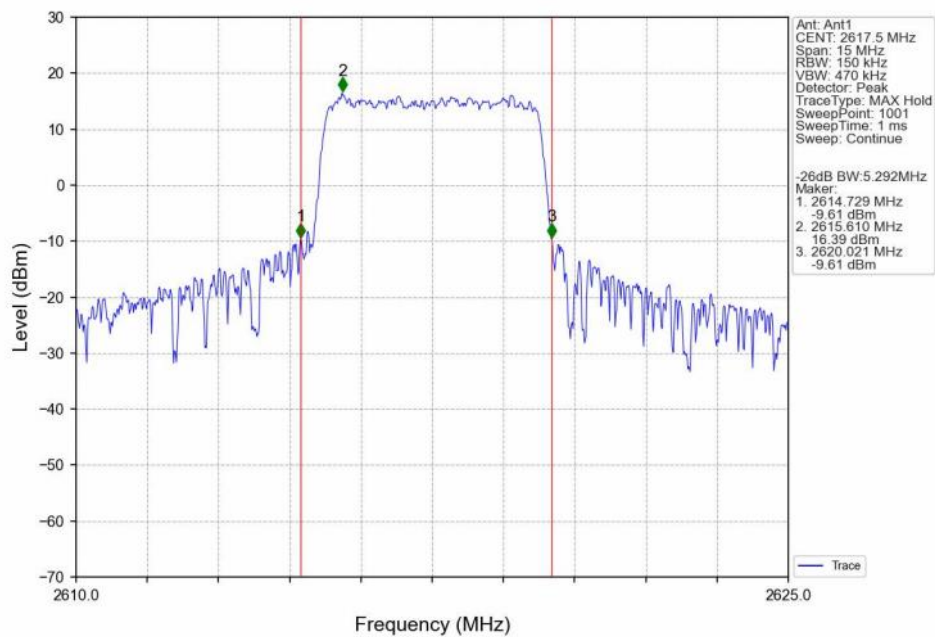
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



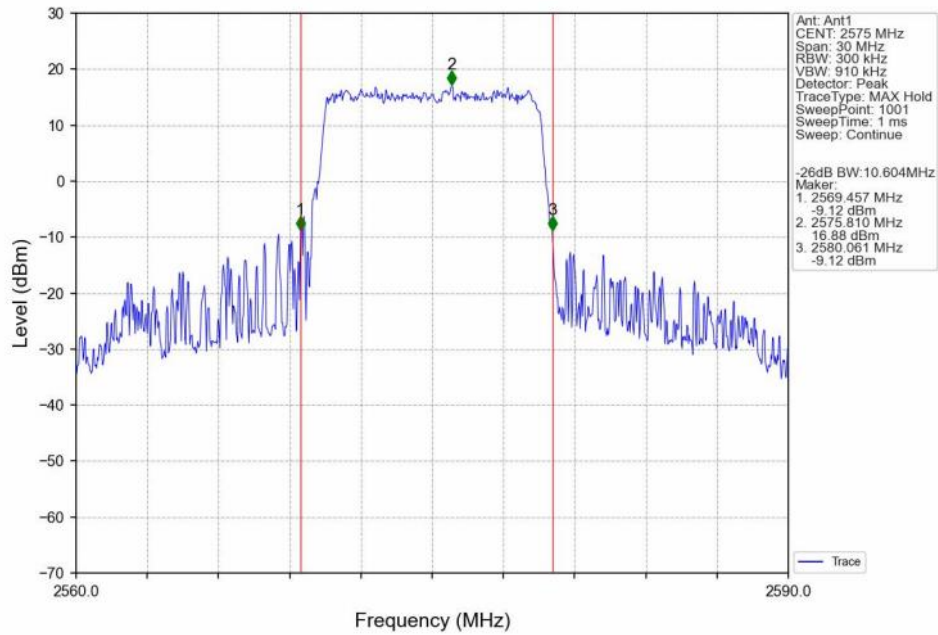
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



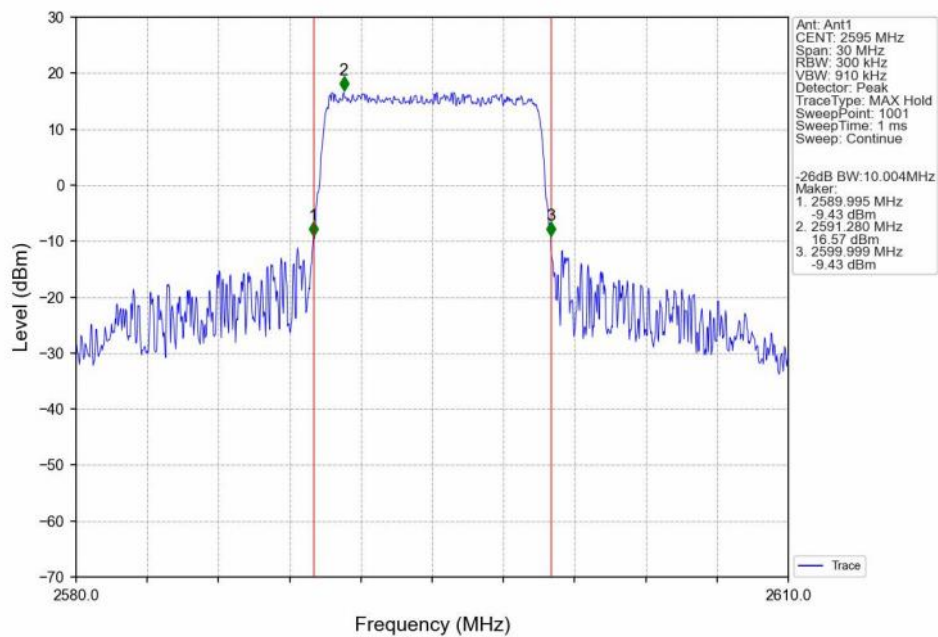
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



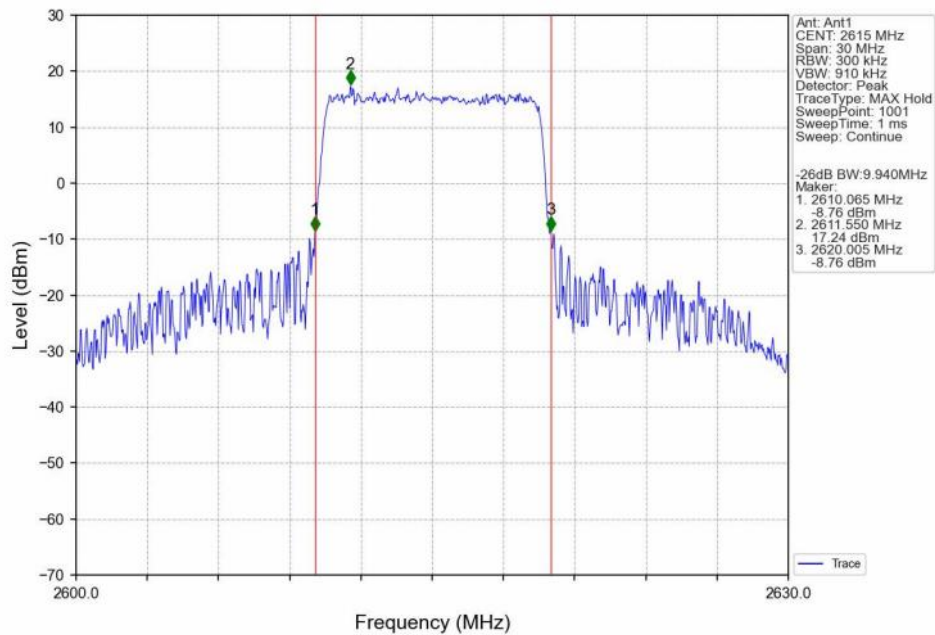
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



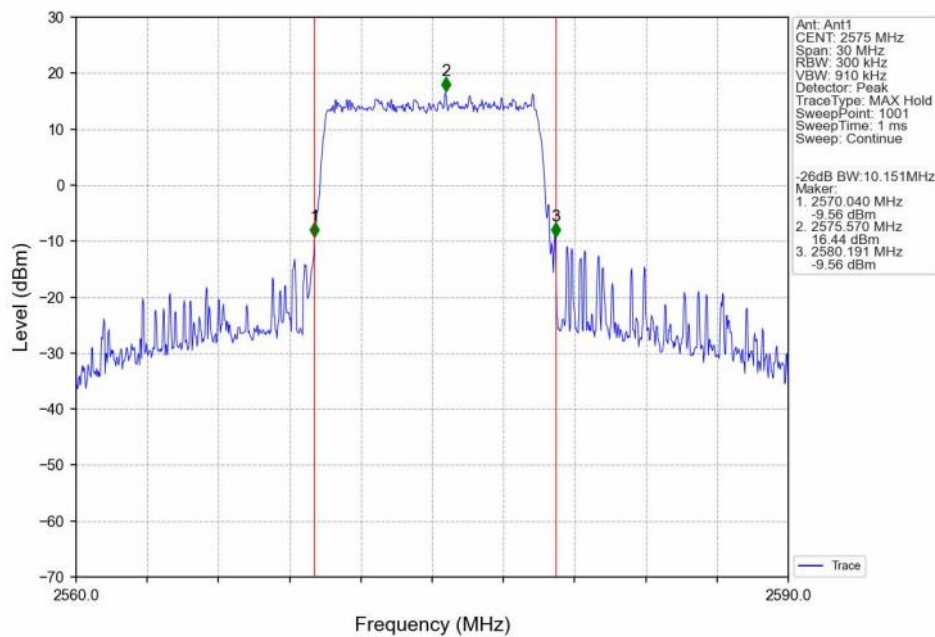
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



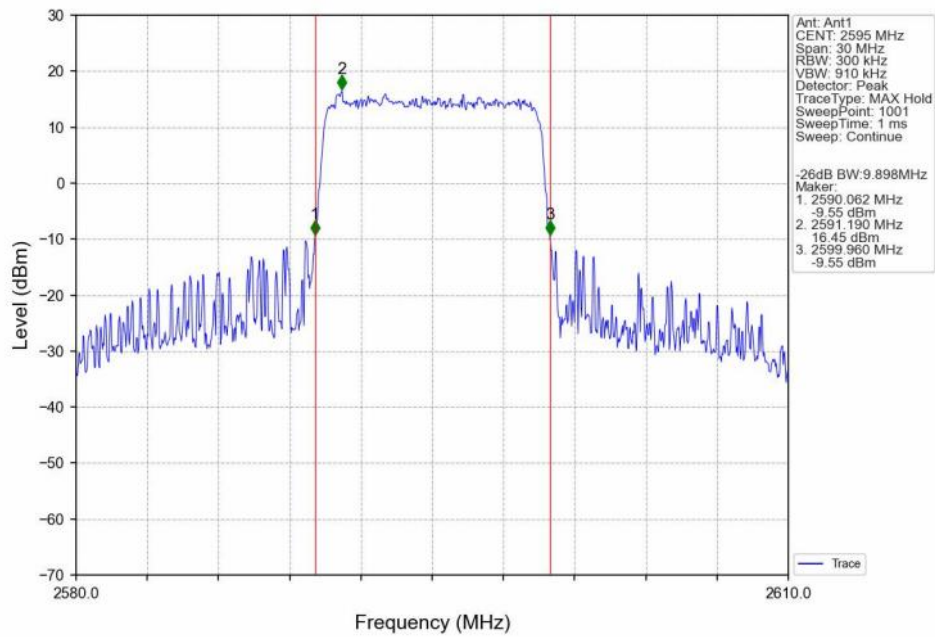
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



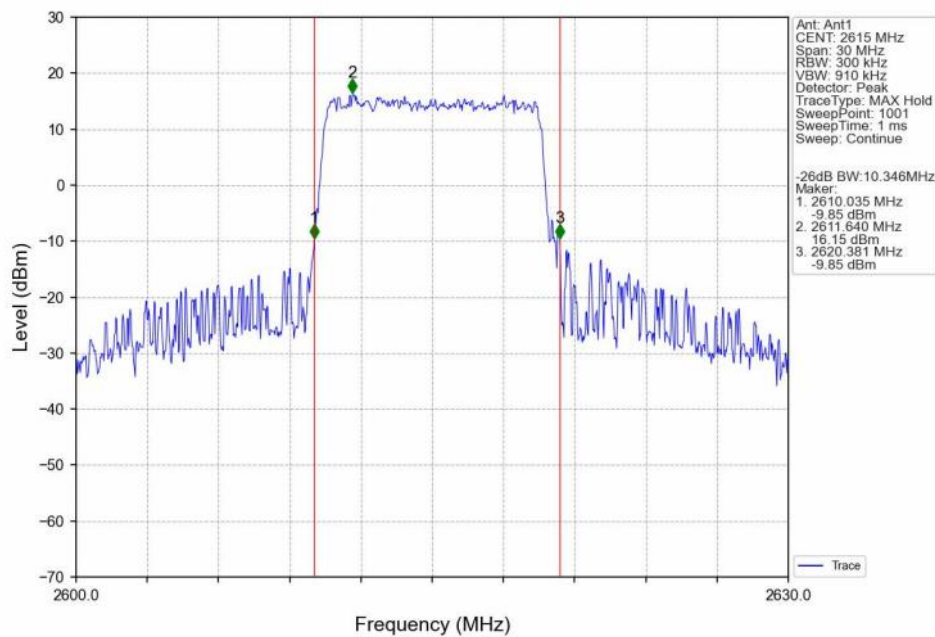
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



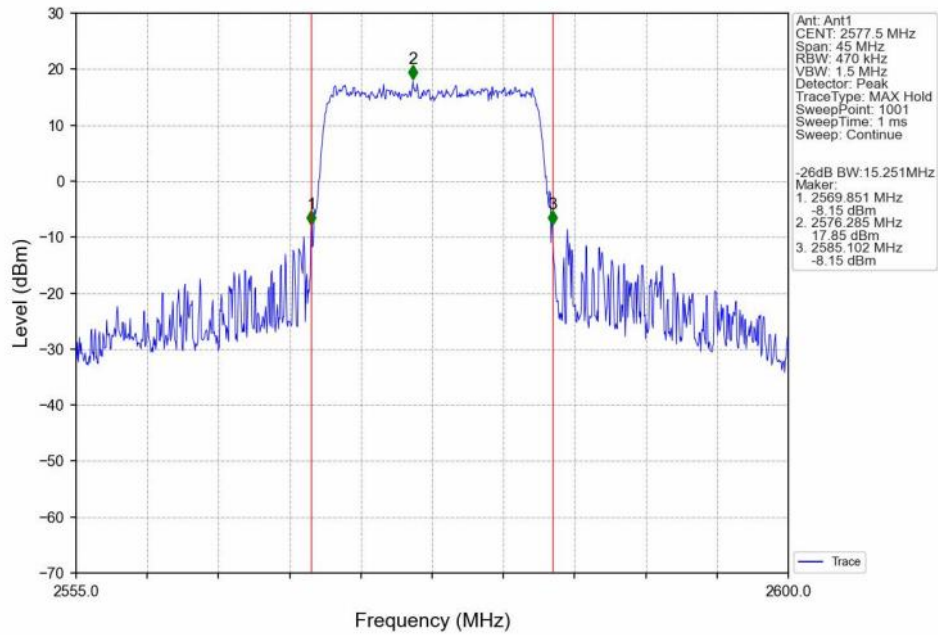
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



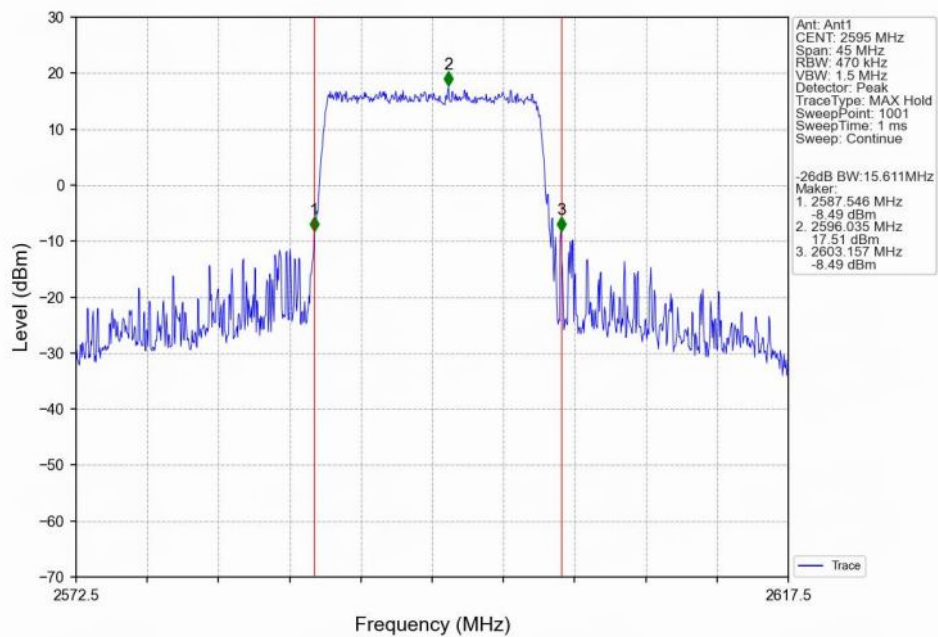
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



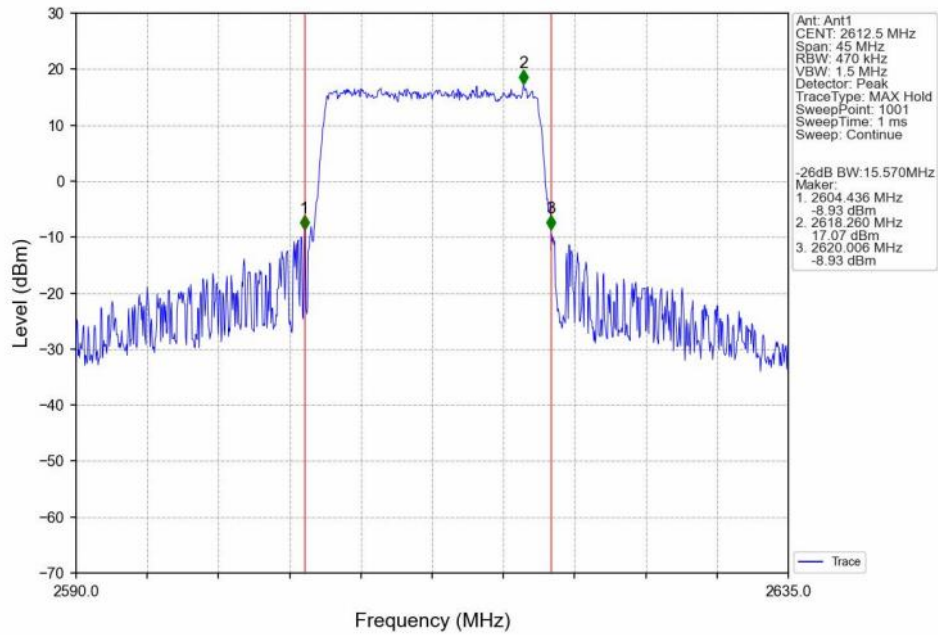
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



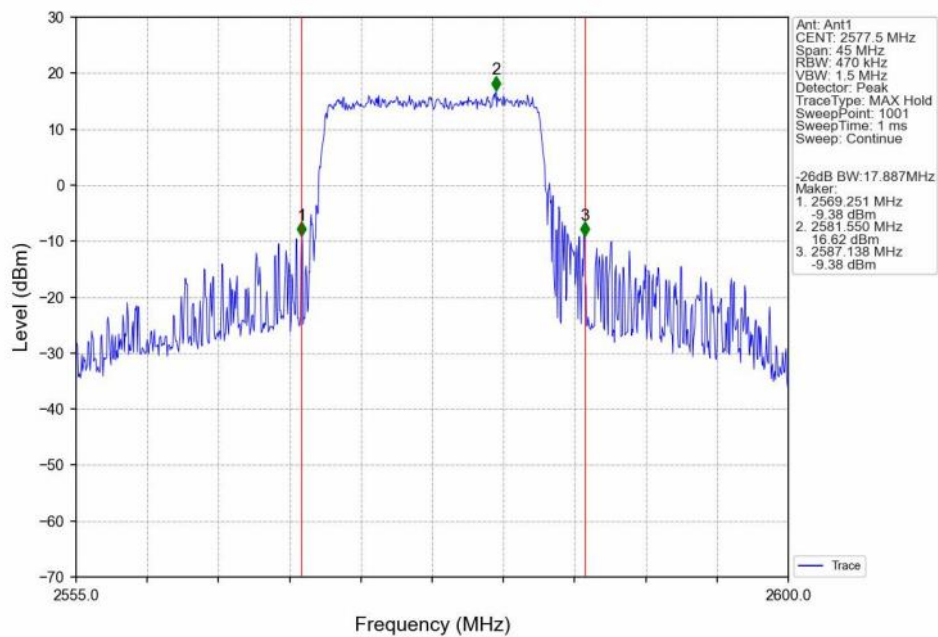
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



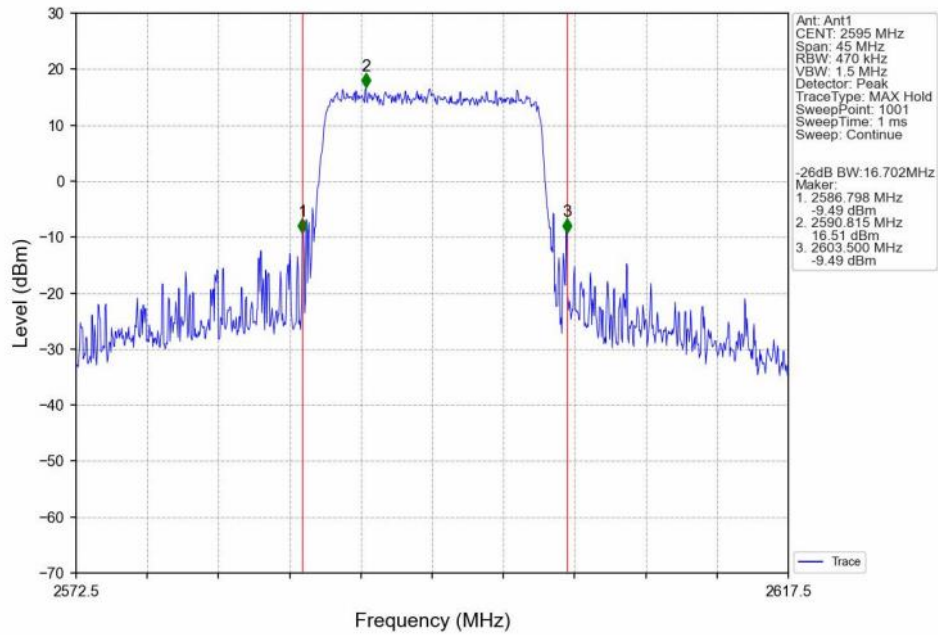
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



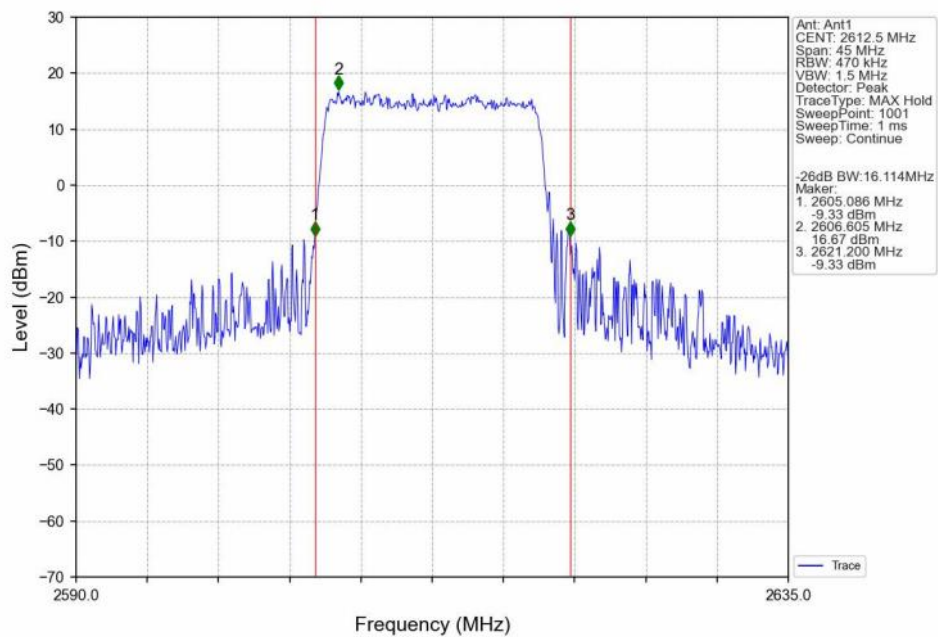
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



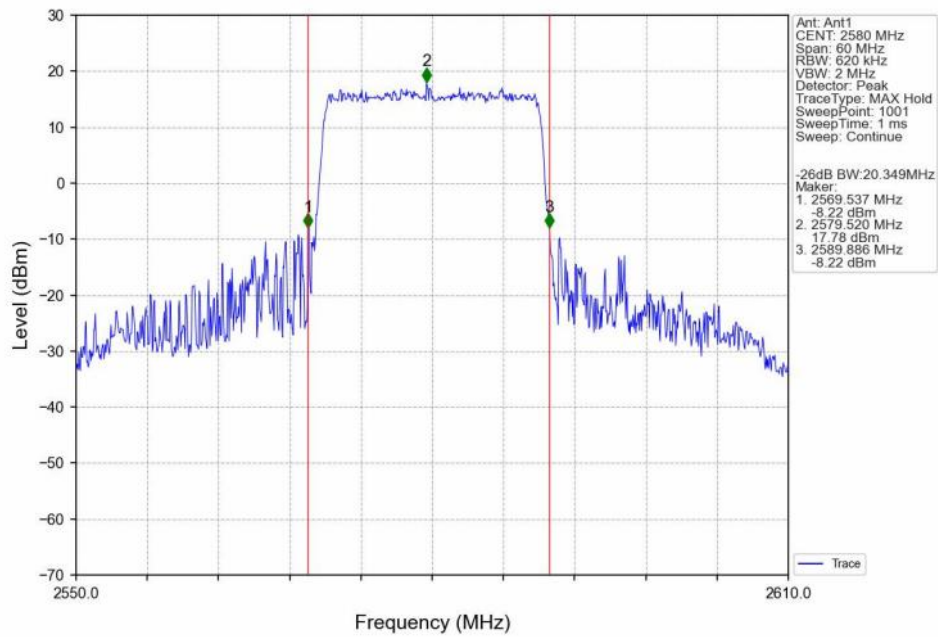
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



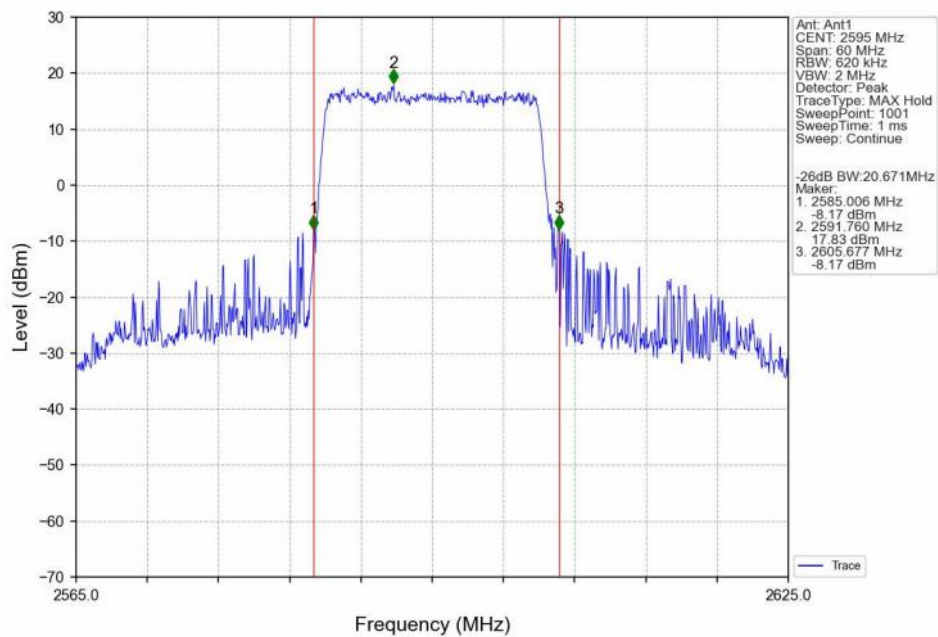
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



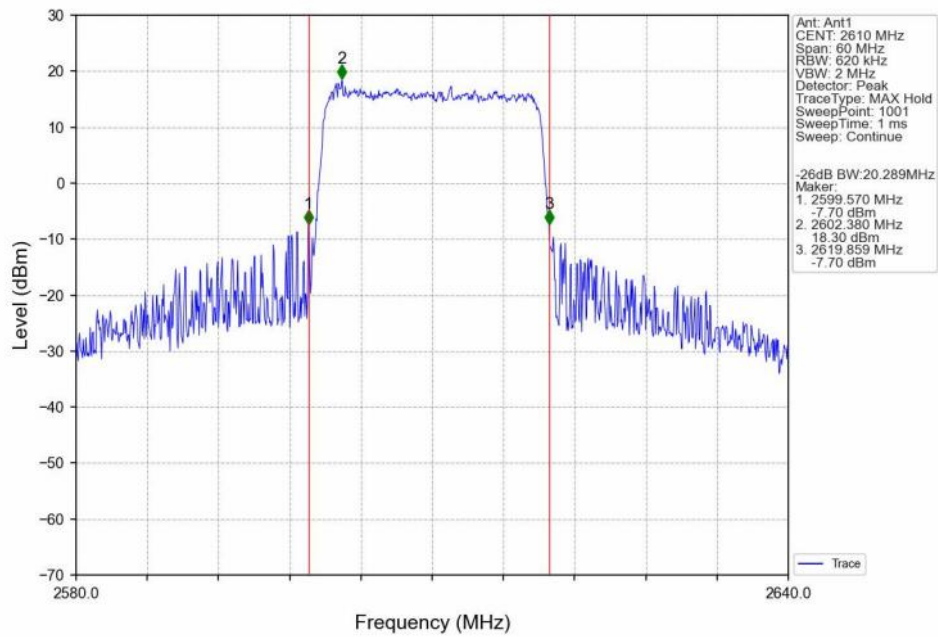
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



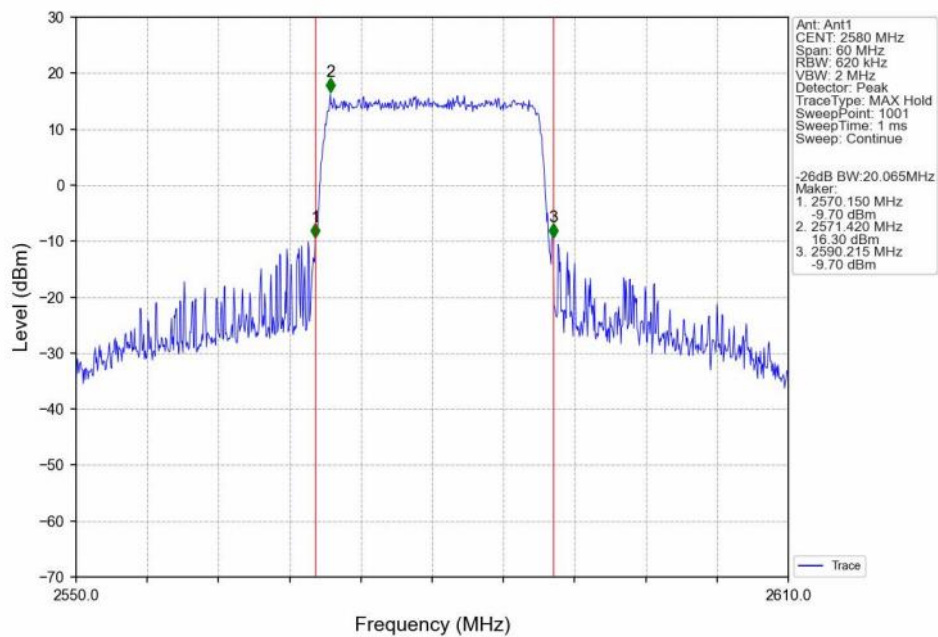
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



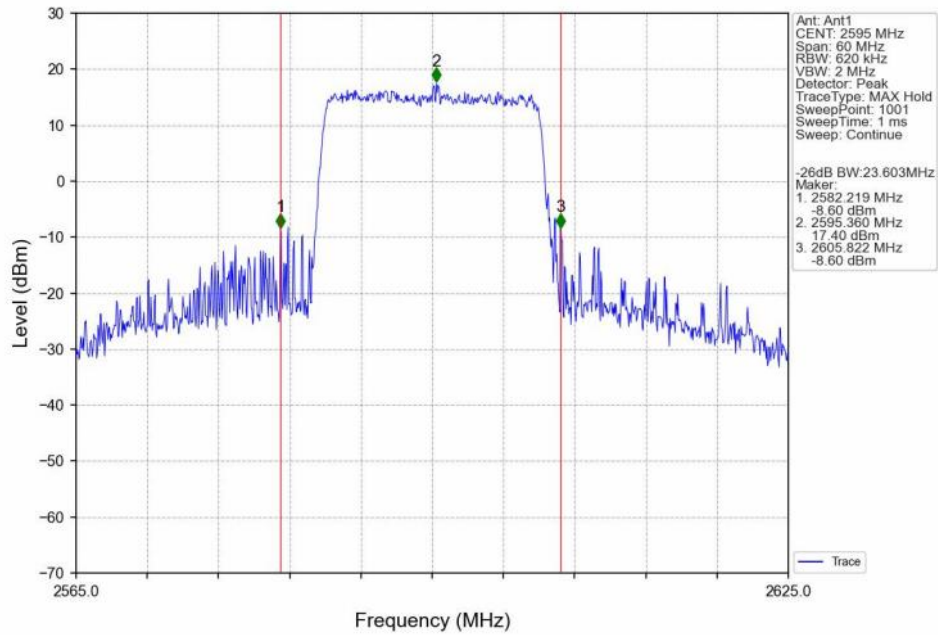
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



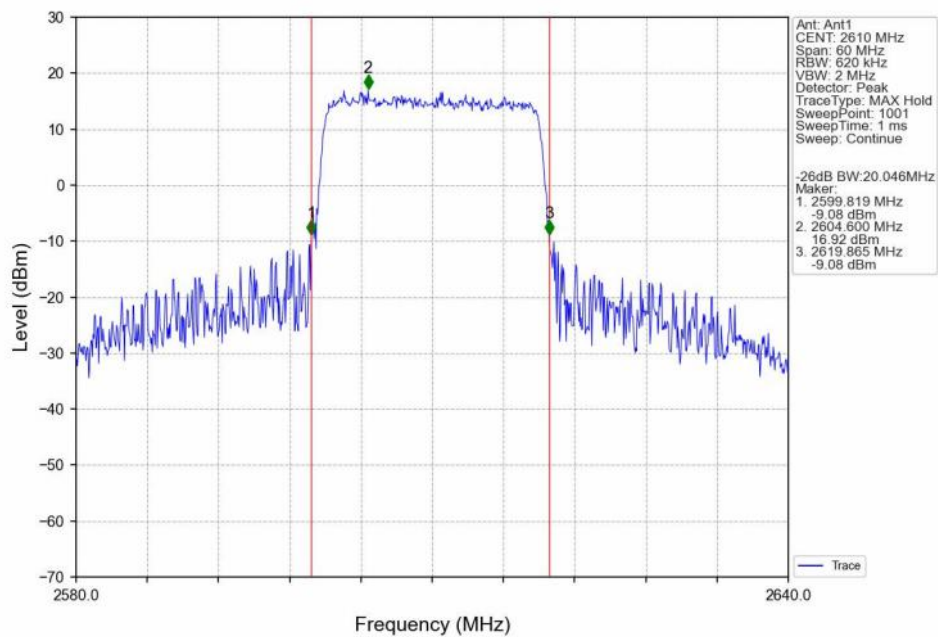
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTNV



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	7.66	≤ 13	Pass
	2595	25	0	7.60	≤ 13	Pass
	2617.5	25	0	7.56	≤ 13	Pass
16QAM	2572.5	25	0	8.29	≤ 13	Pass
	2595	25	0	8.20	≤ 13	Pass
	2617.5	25	0	8.21	≤ 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	7.49	≤ 13	Pass
	2595	50	0	7.56	≤ 13	Pass
	2615	50	0	7.68	≤ 13	Pass
16QAM	2575	50	0	8.47	≤ 13	Pass
	2595	50	0	8.50	≤ 13	Pass
	2615	50	0	8.16	≤ 13	Pass

5.1.3 B38_15MHz

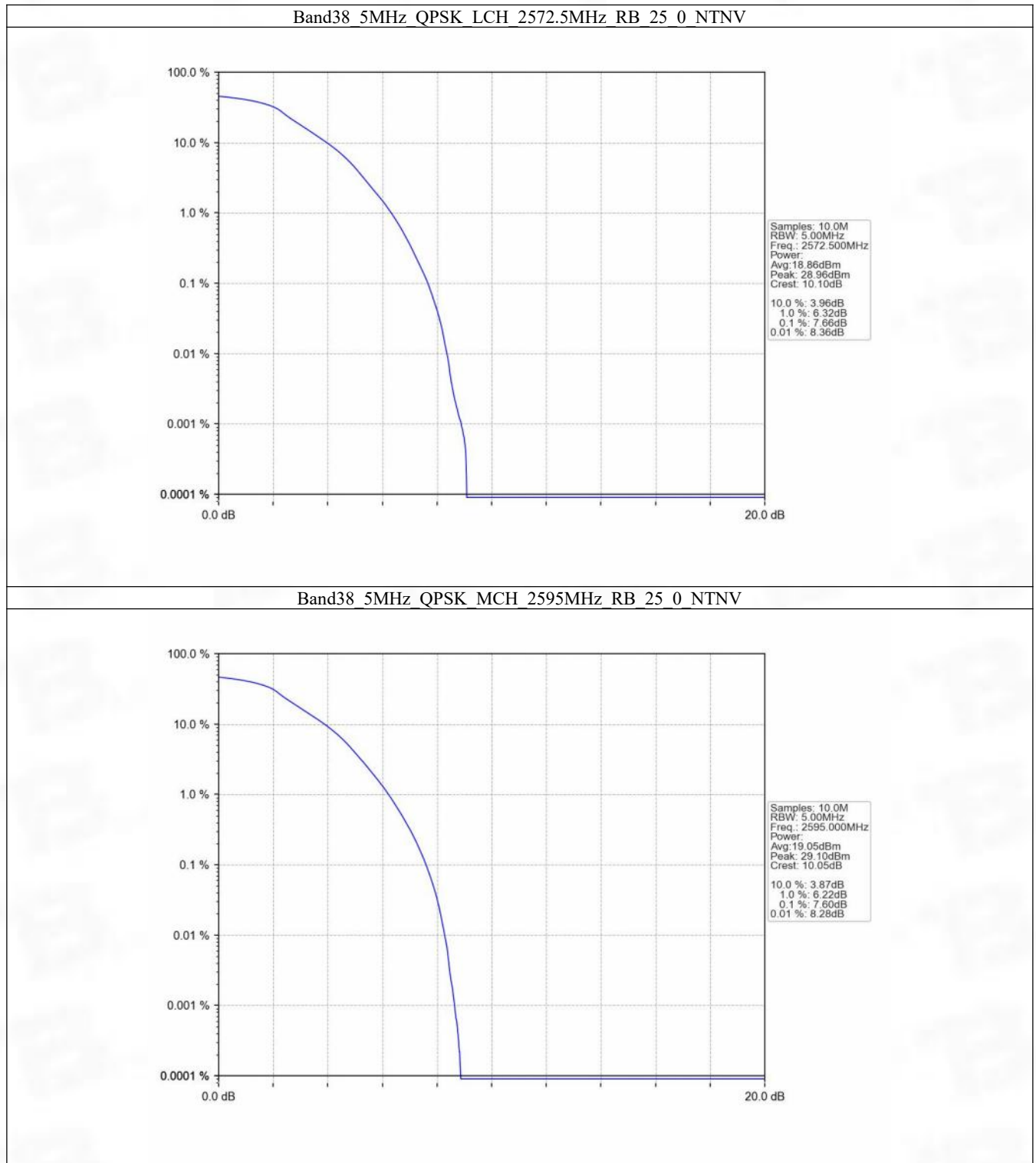
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.90	≤ 13	Pass
	2595	75	0	7.92	≤ 13	Pass
	2612.5	75	0	7.99	≤ 13	Pass
16QAM	2577.5	75	0	8.45	≤ 13	Pass
	2595	75	0	8.54	≤ 13	Pass
	2612.5	75	0	8.59	≤ 13	Pass

5.1.4 B38_20MHz

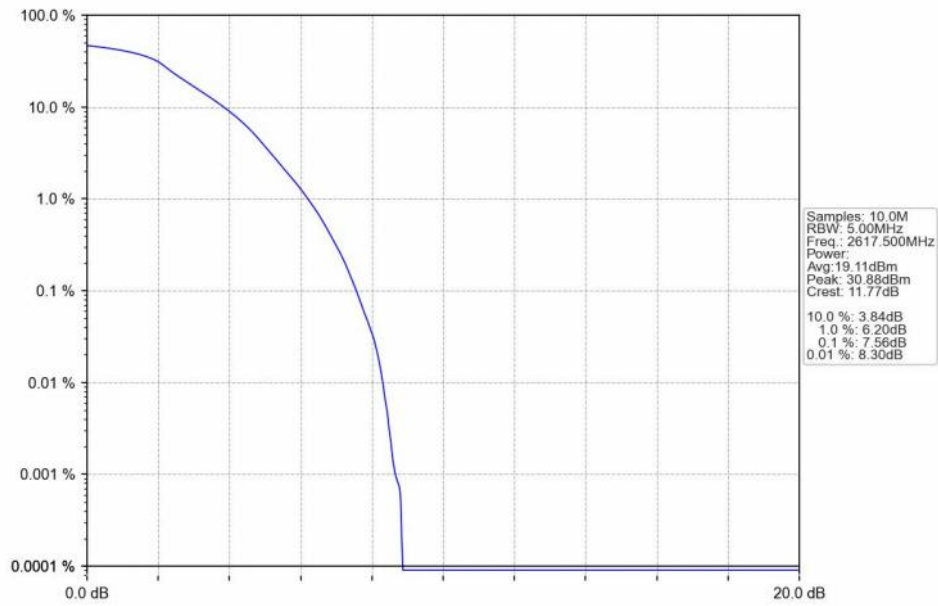
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.56	≤ 13	Pass
	2595	100	0	7.55	≤ 13	Pass
	2610	100	0	7.74	≤ 13	Pass
16QAM	2580	100	0	8.34	≤ 13	Pass
	2595	100	0	8.30	≤ 13	Pass
	2610	100	0	8.20	≤ 13	Pass

5.2 Test Graph

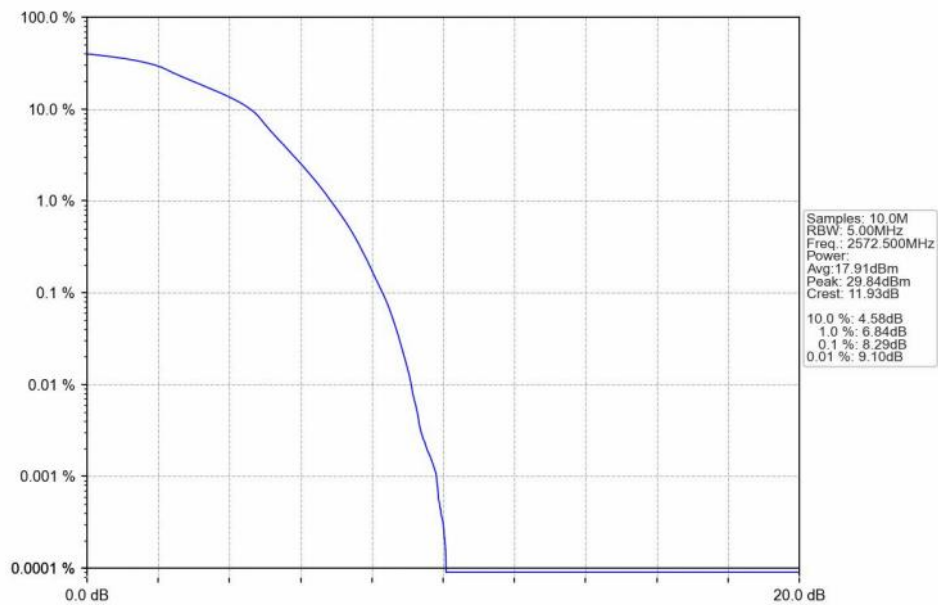
5.2.1 B38_5MHz



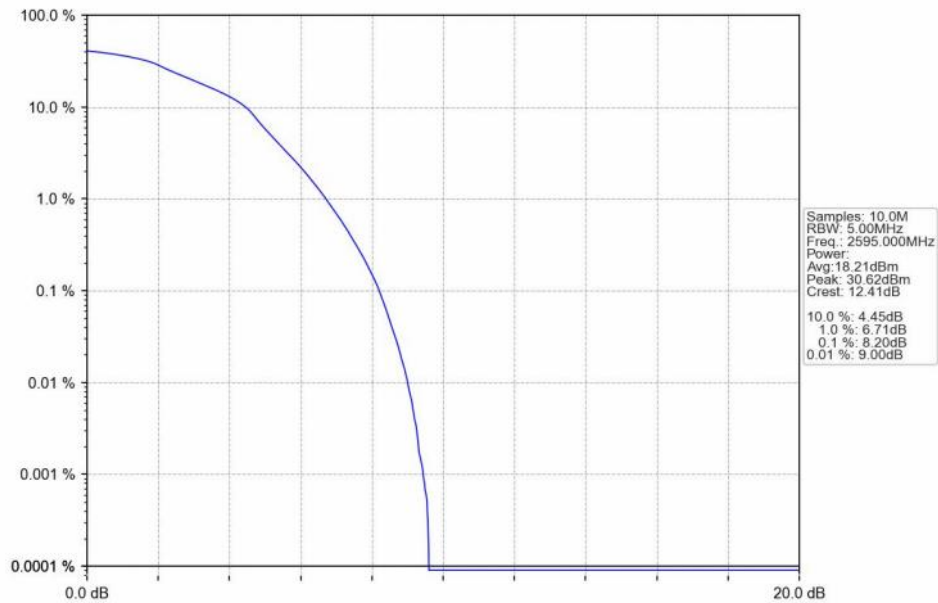
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



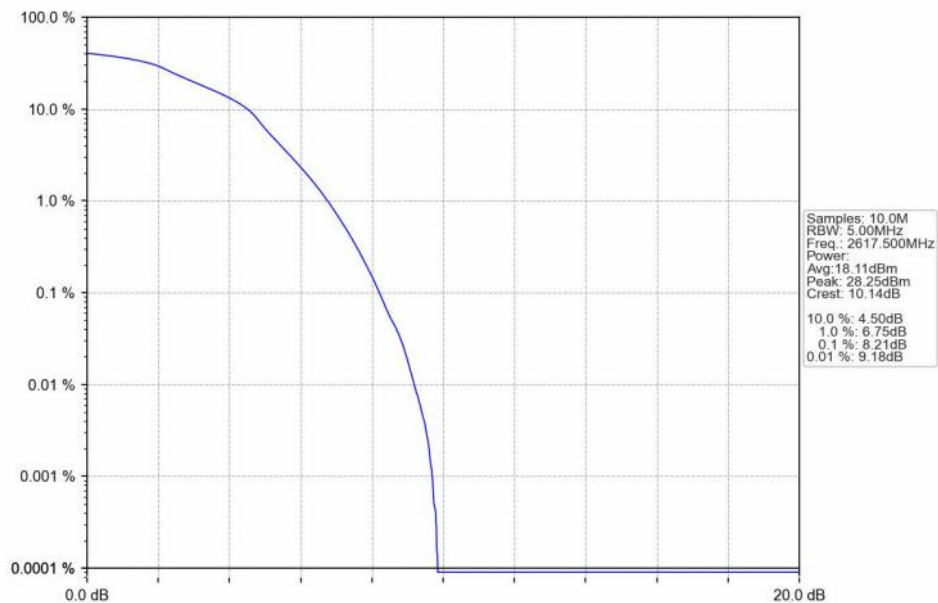
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



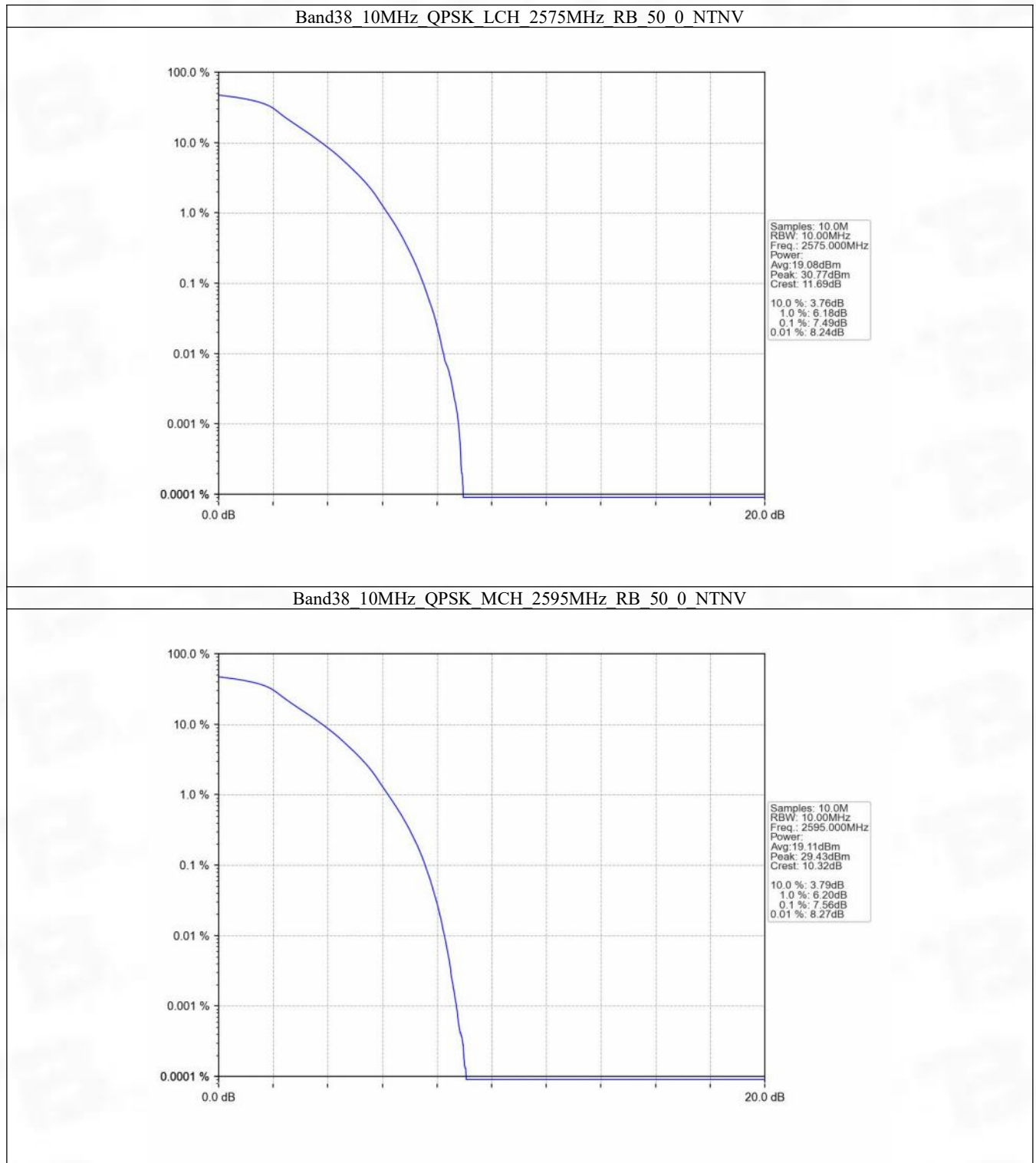
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



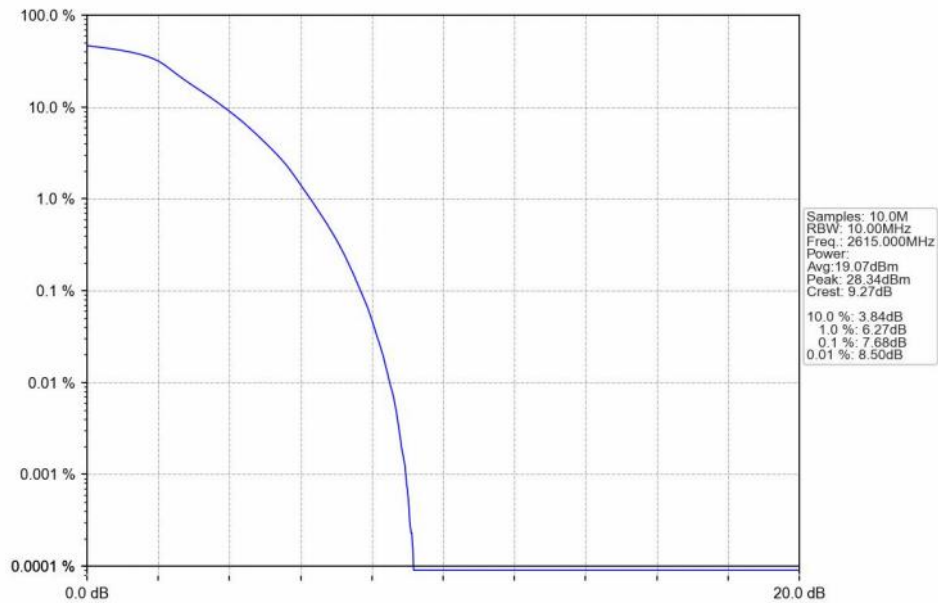
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



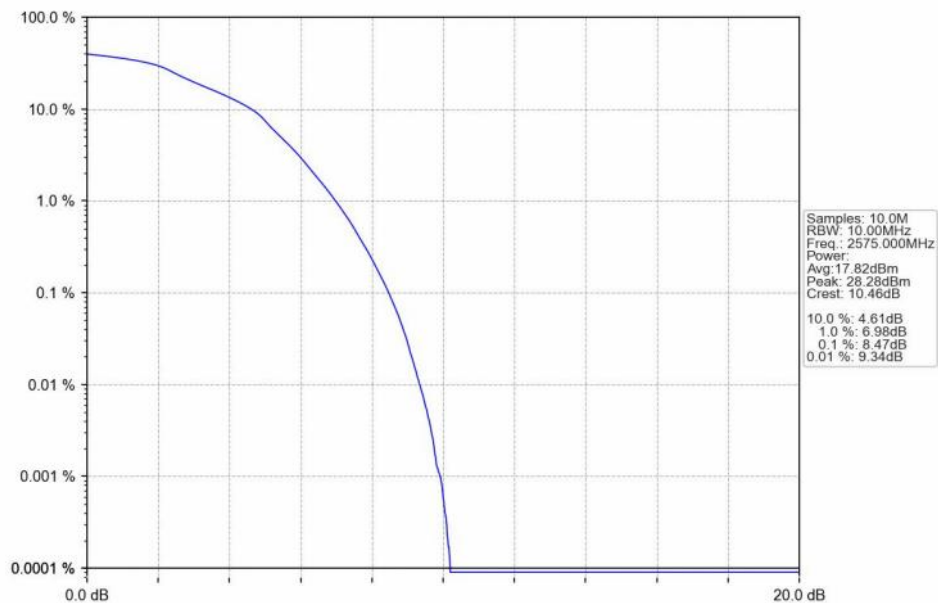
5.2.2 B38_10MHz



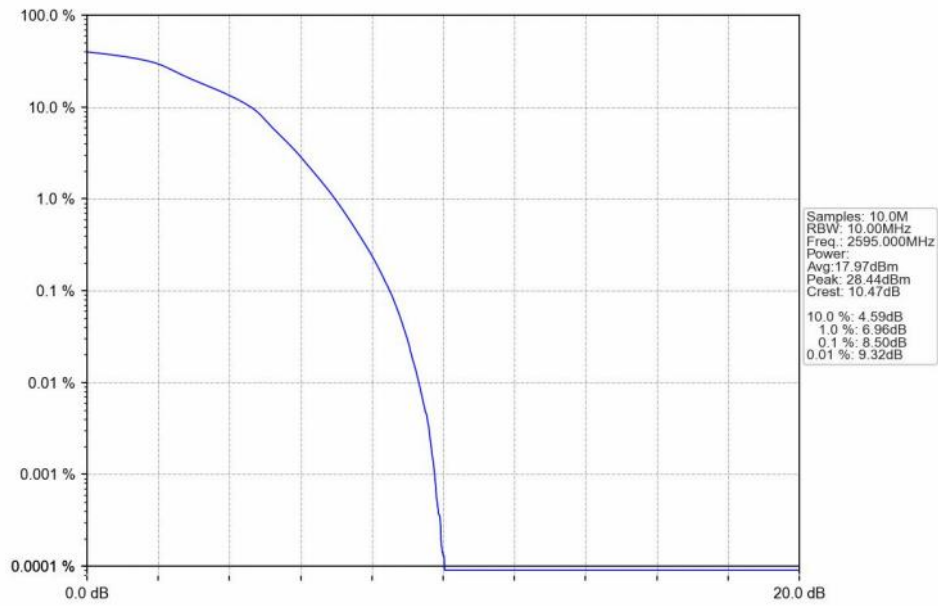
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



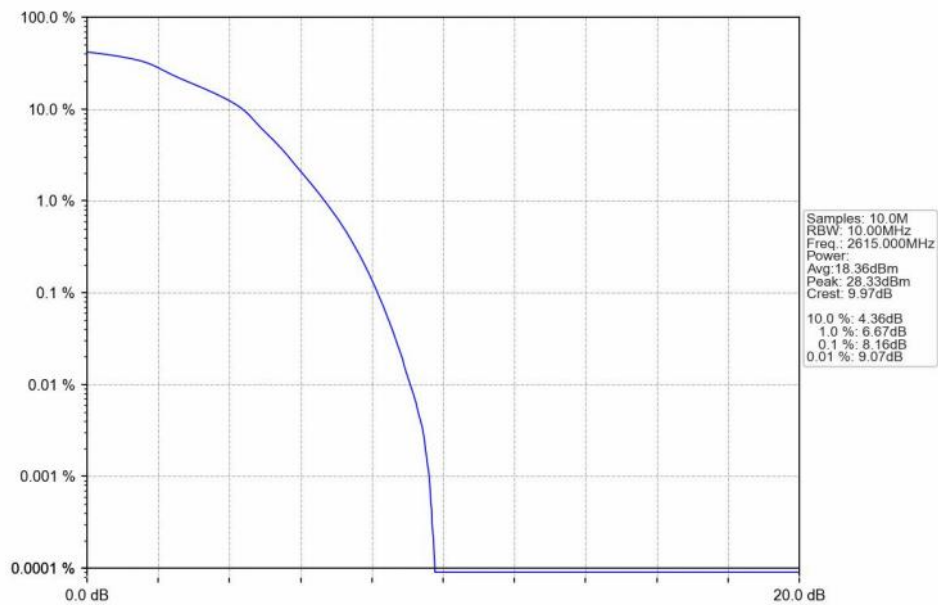
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



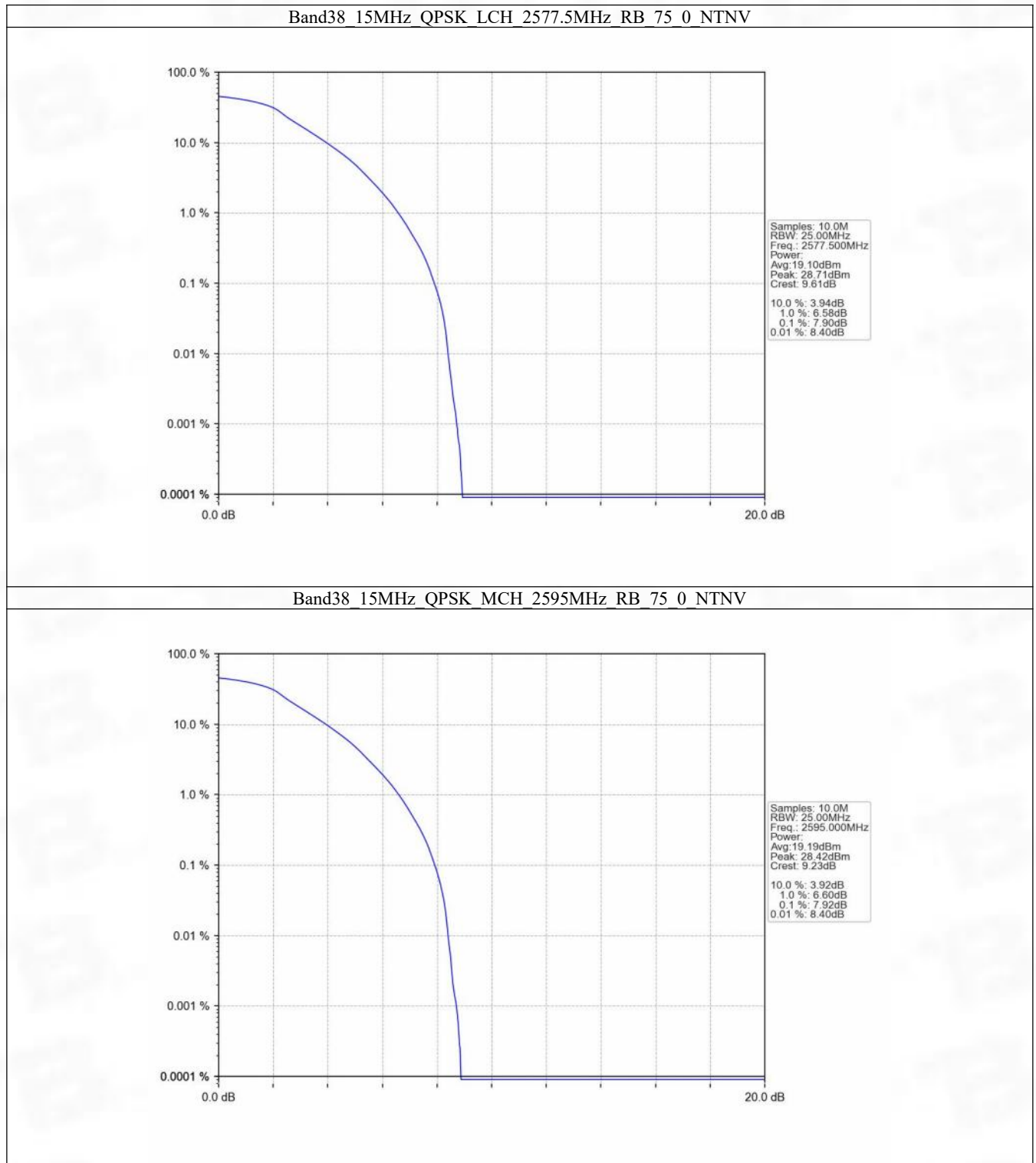
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



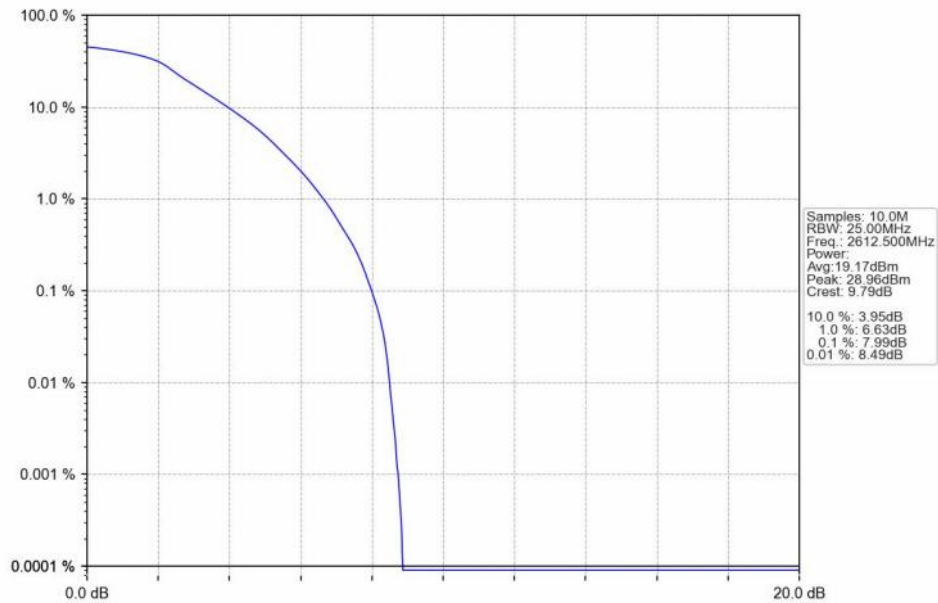
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



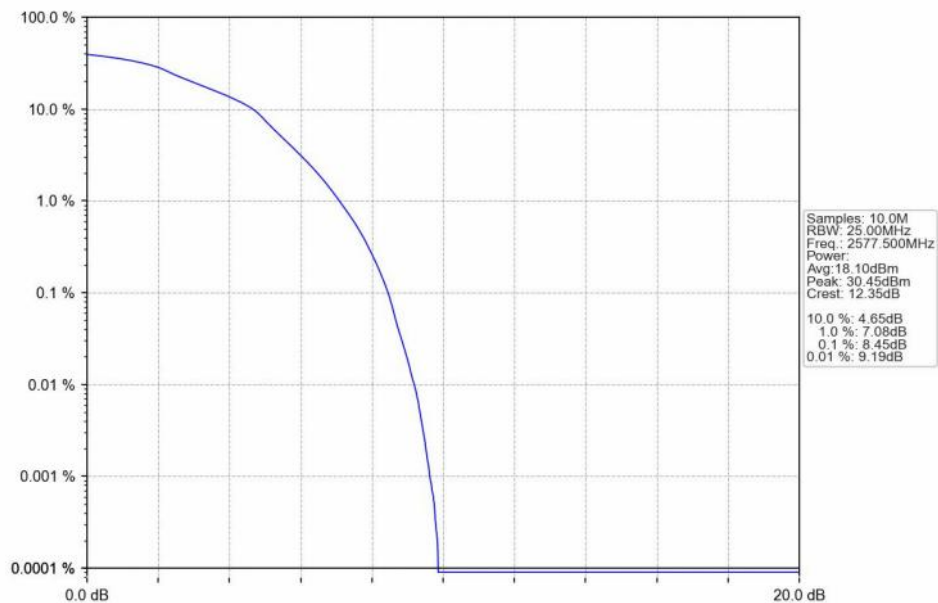
5.2.3 B38_15MHz



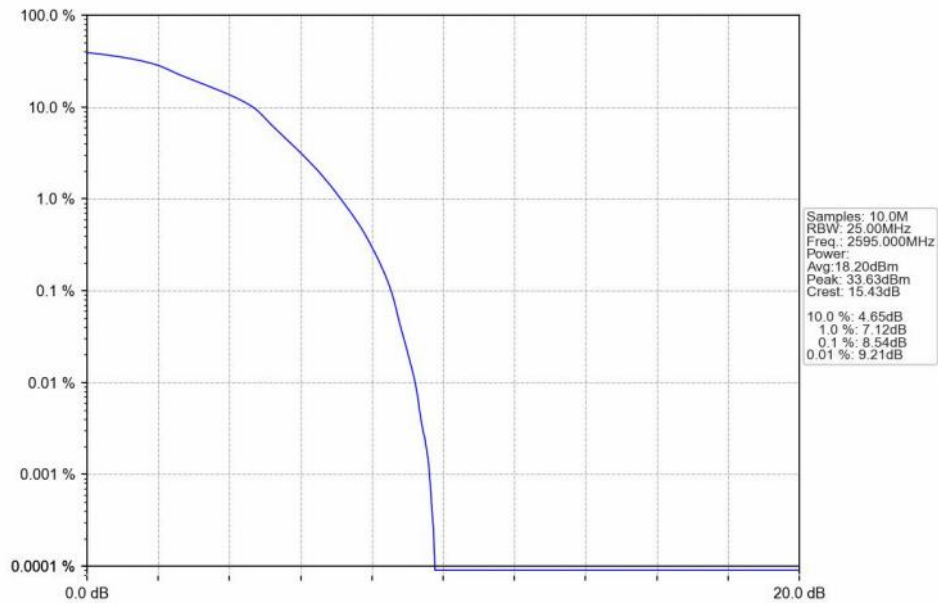
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



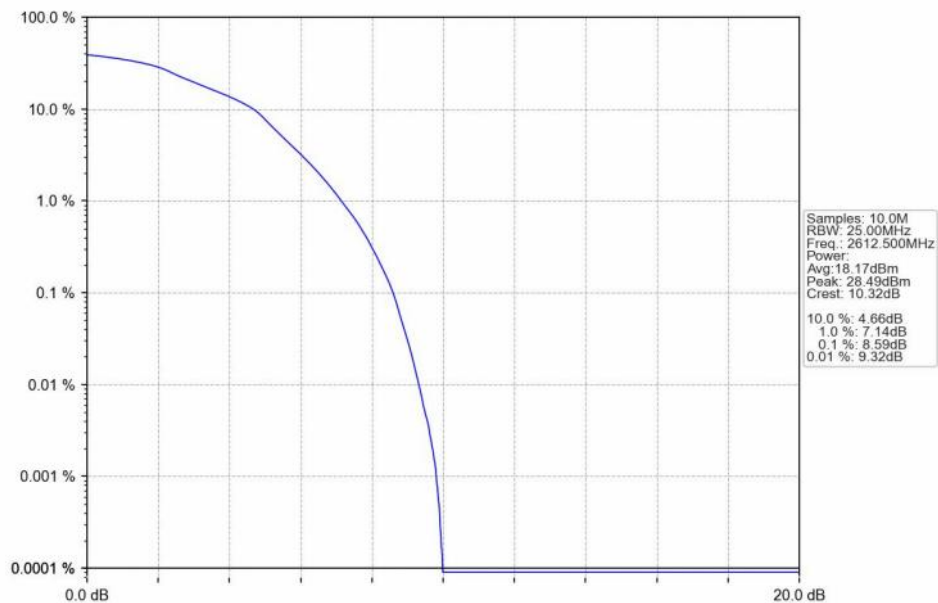
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV



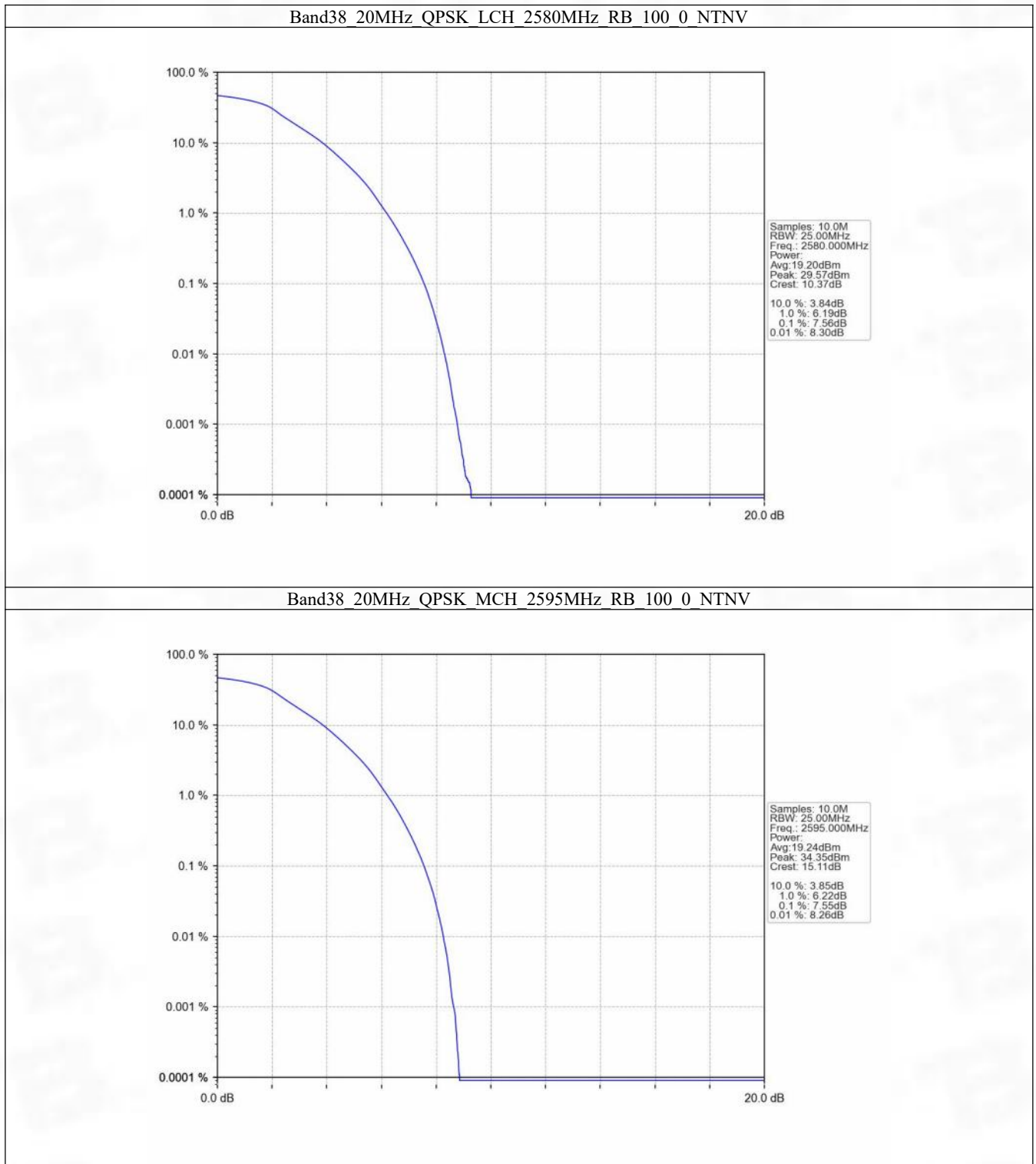
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



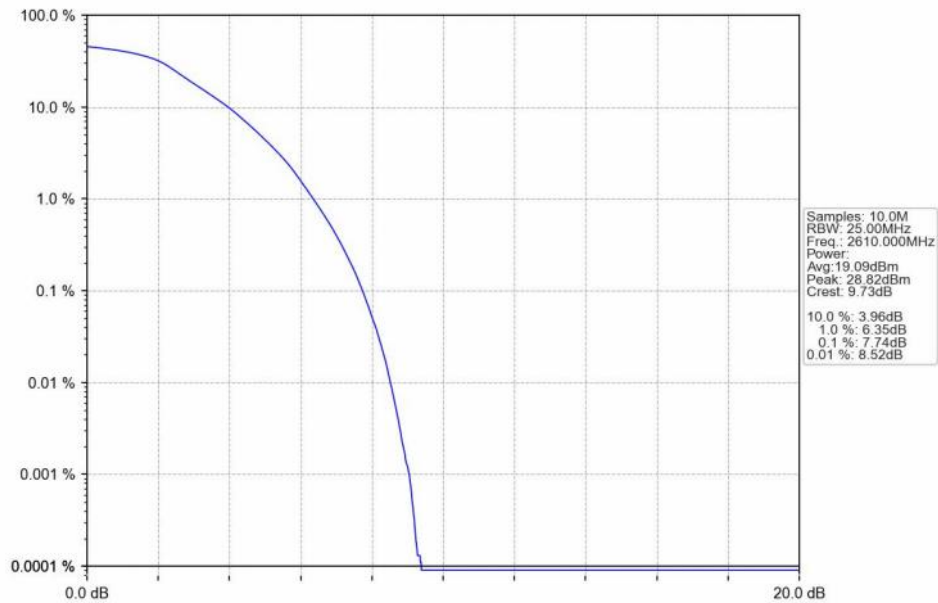
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV



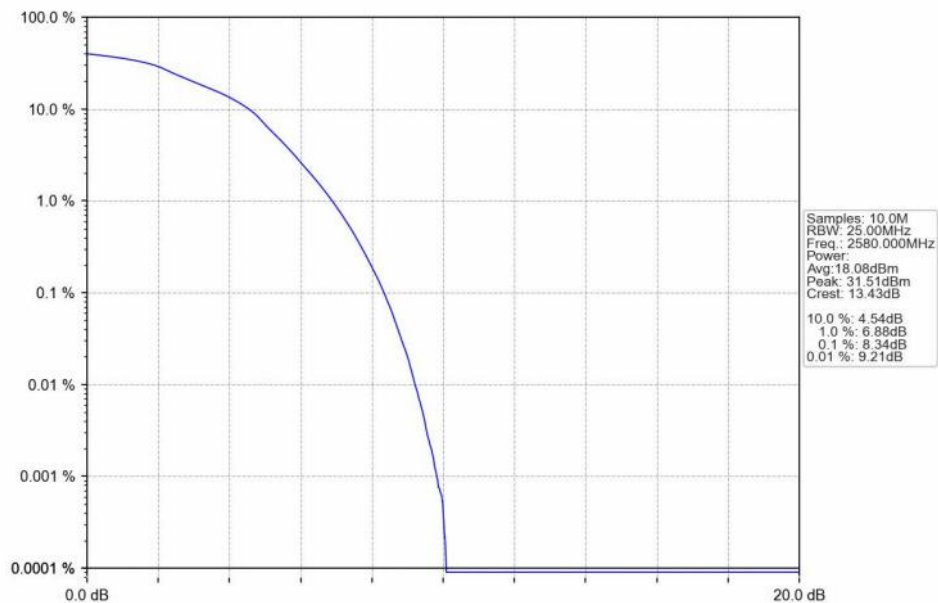
5.2.4 B38_20MHz



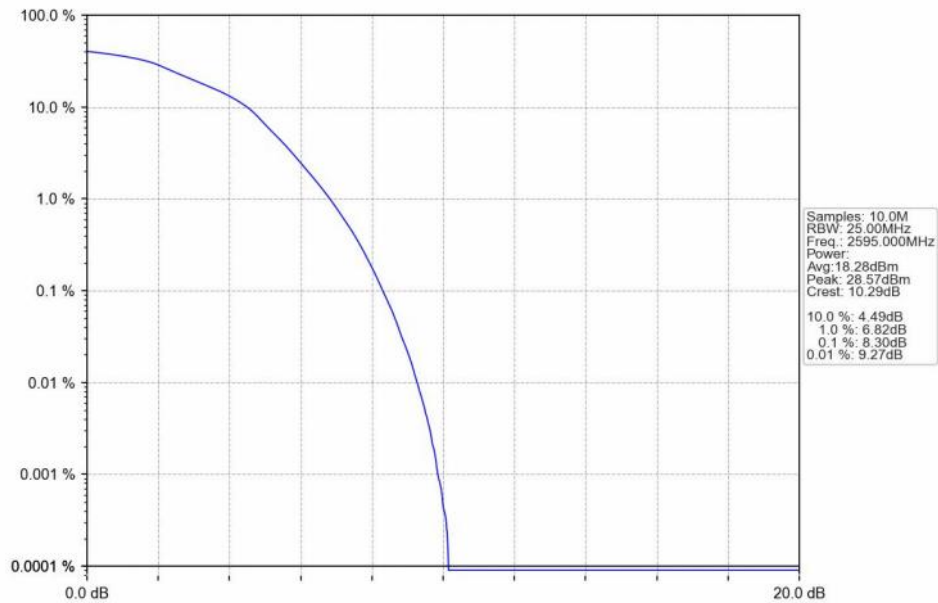
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



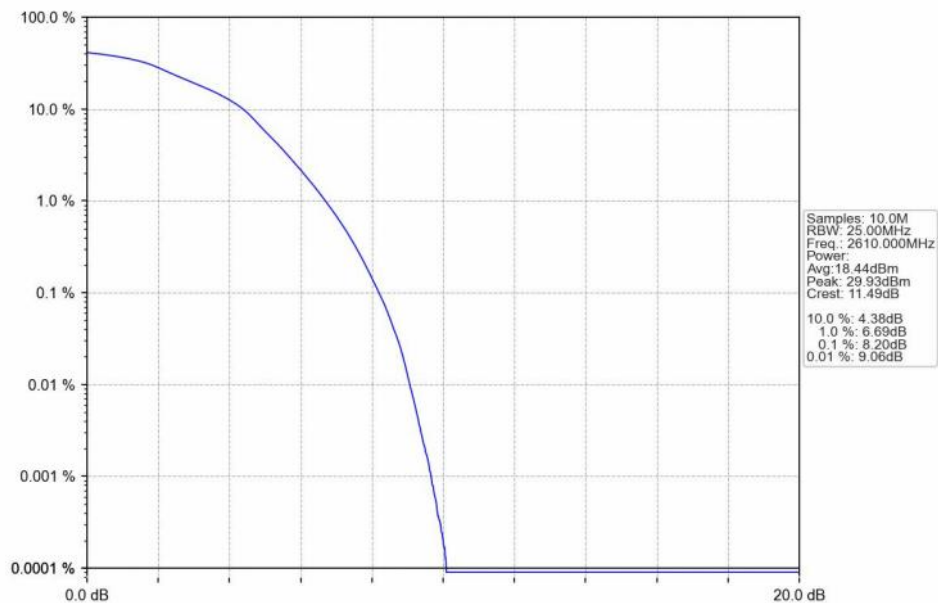
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTV



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

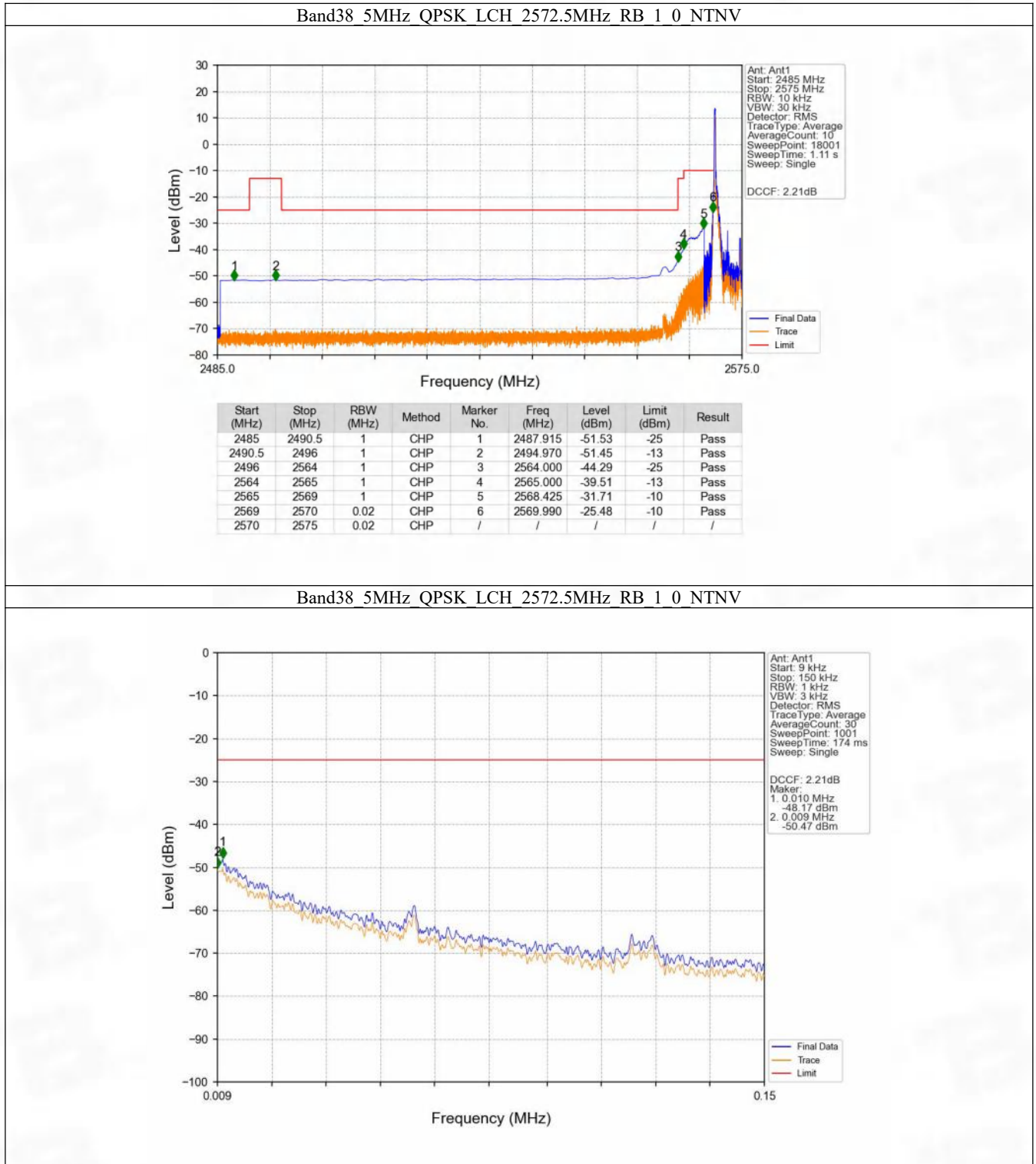
		75	0	Refer To Test Graph	Pass
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6.1.4 B38_20MHz

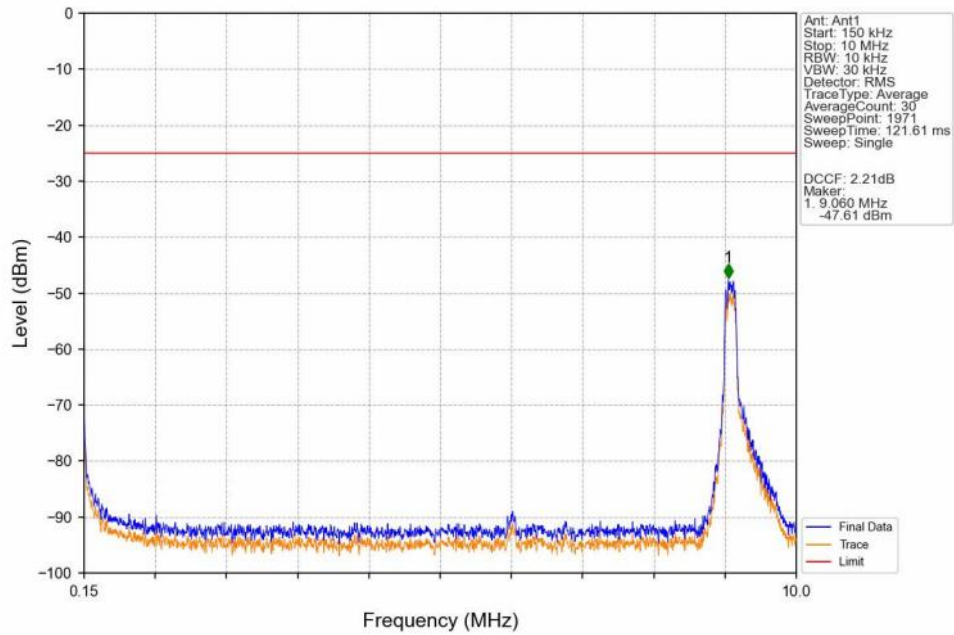
Band: 38 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2580	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass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

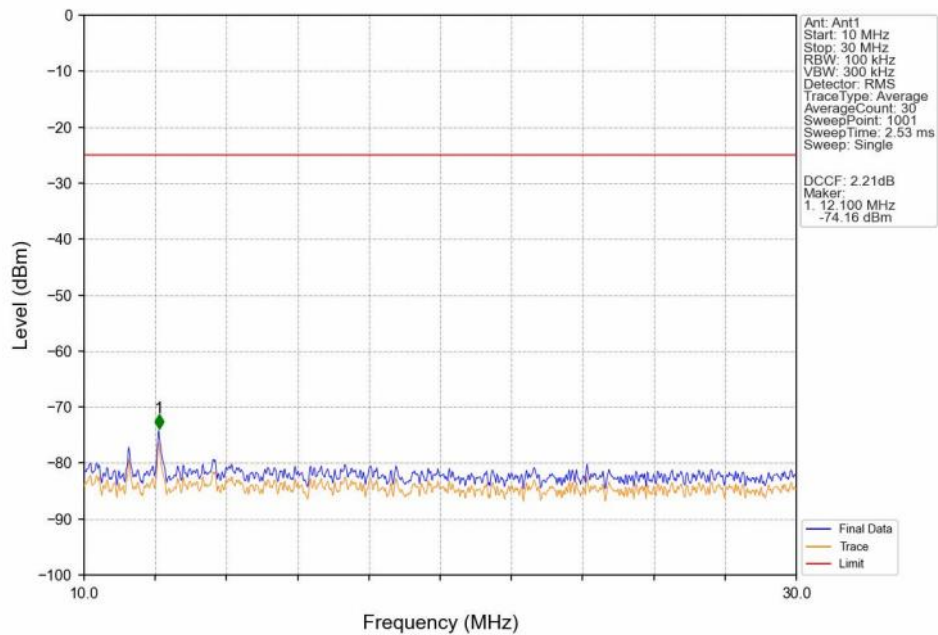
6.2.1 B38_5MHz



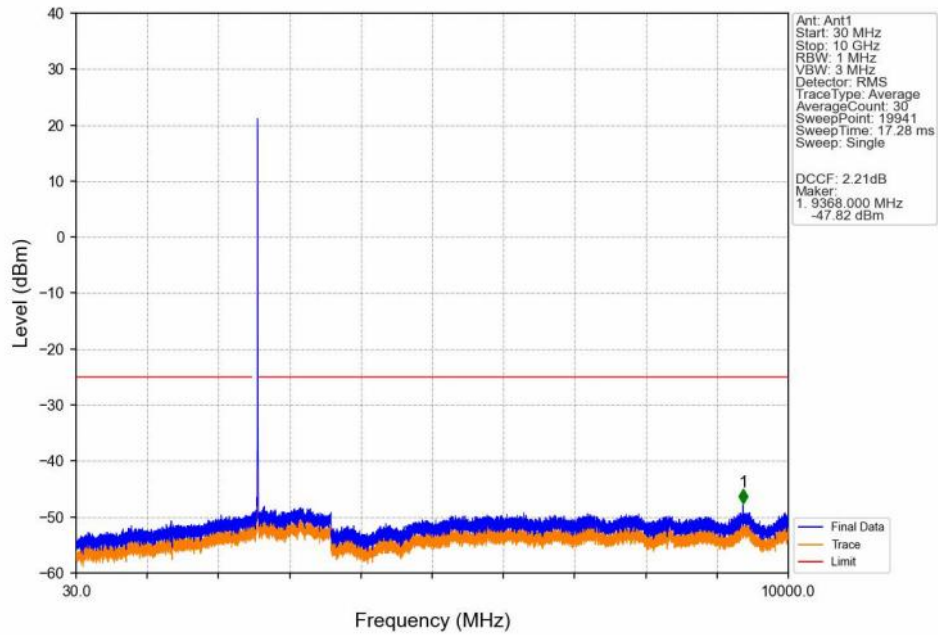
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



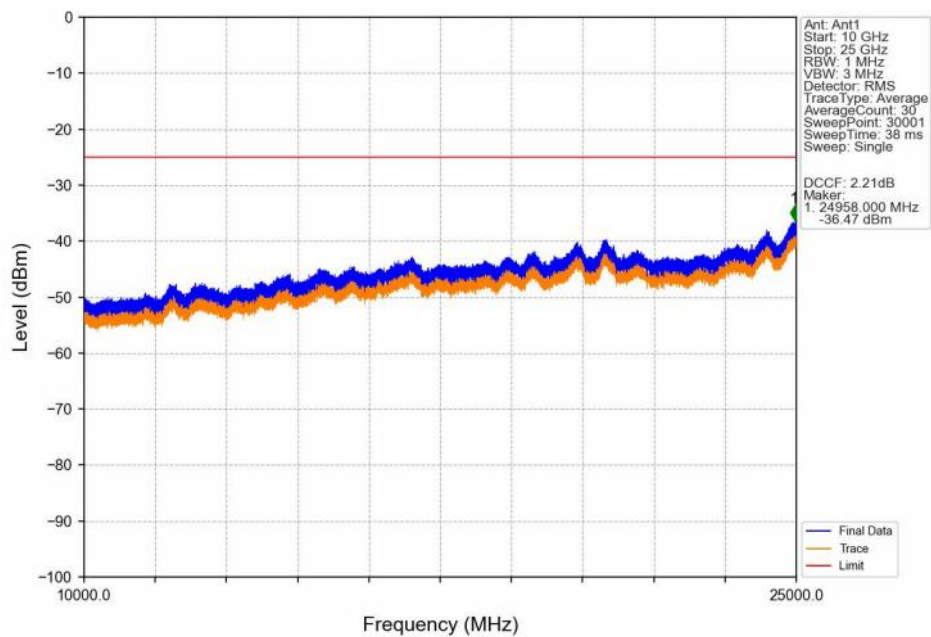
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



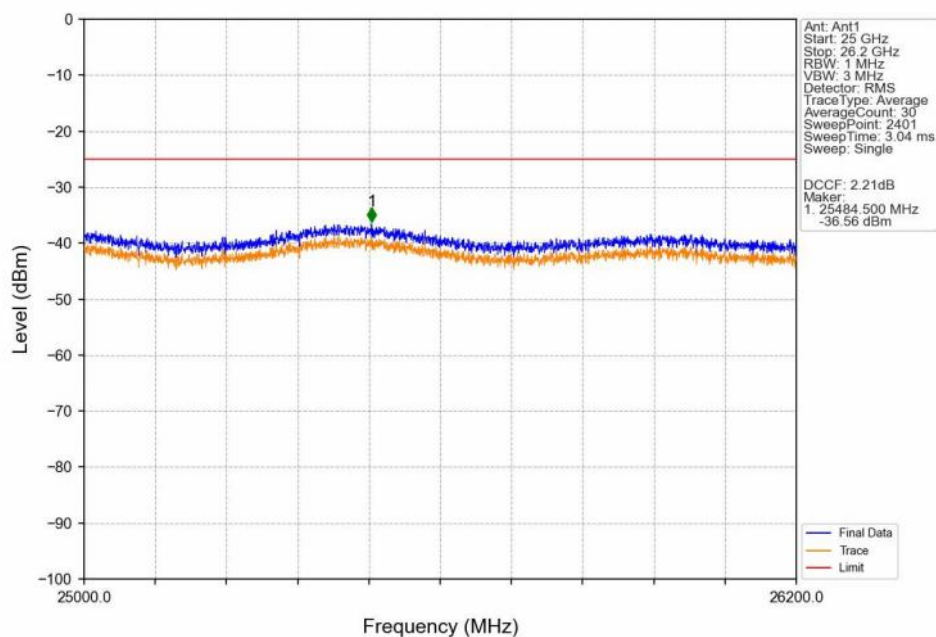
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



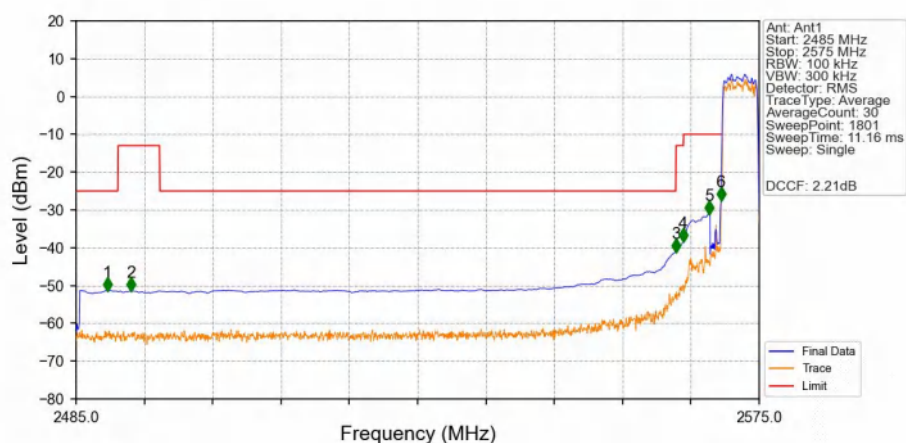
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

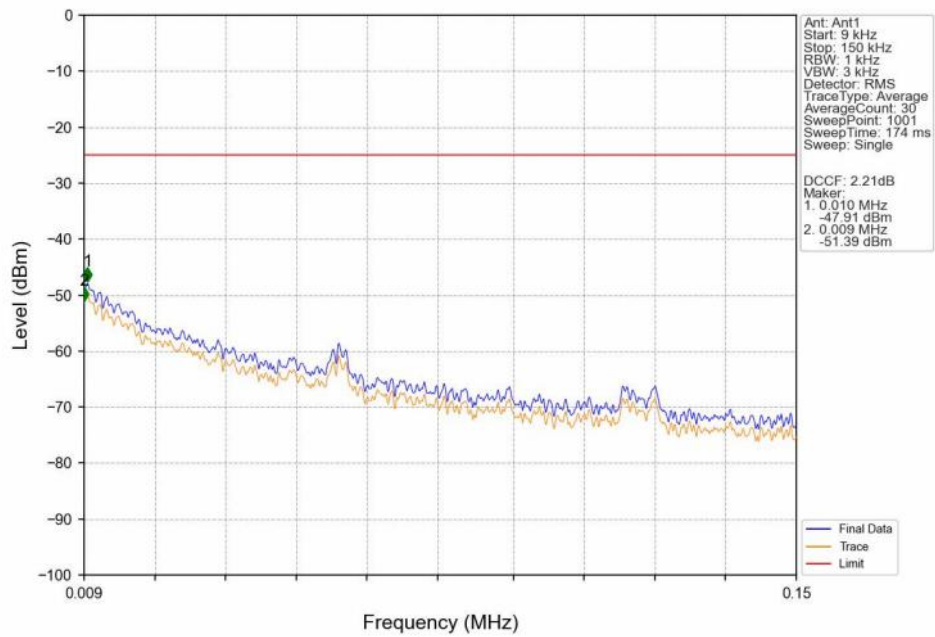


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

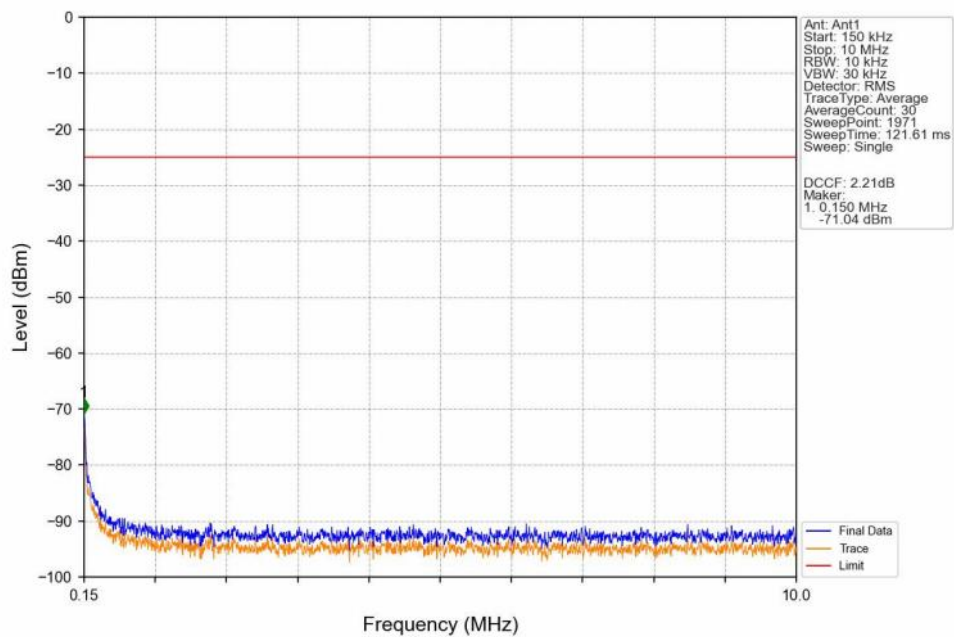


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.150	-51.20	-25	Pass
2490.5	2496	1	CHP	2	2492.250	-51.28	-13	Pass
2496	2564	1	CHP	3	2564.000	-41.07	-25	Pass
2564	2565	1	CHP	4	2565.000	-38.29	-13	Pass
2565	2569	1	CHP	5	2568.400	-30.95	-10	Pass
2569	2570	0.109	CHP	6	2569.950	-27.38	-10	Pass
2570	2575	0.109	CHP	/	/	/	/	/

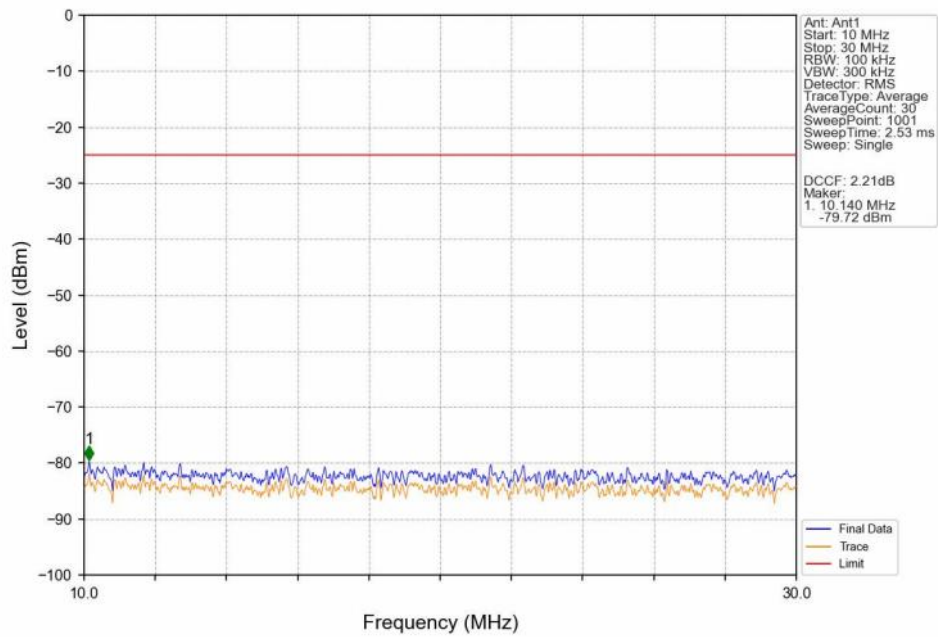
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



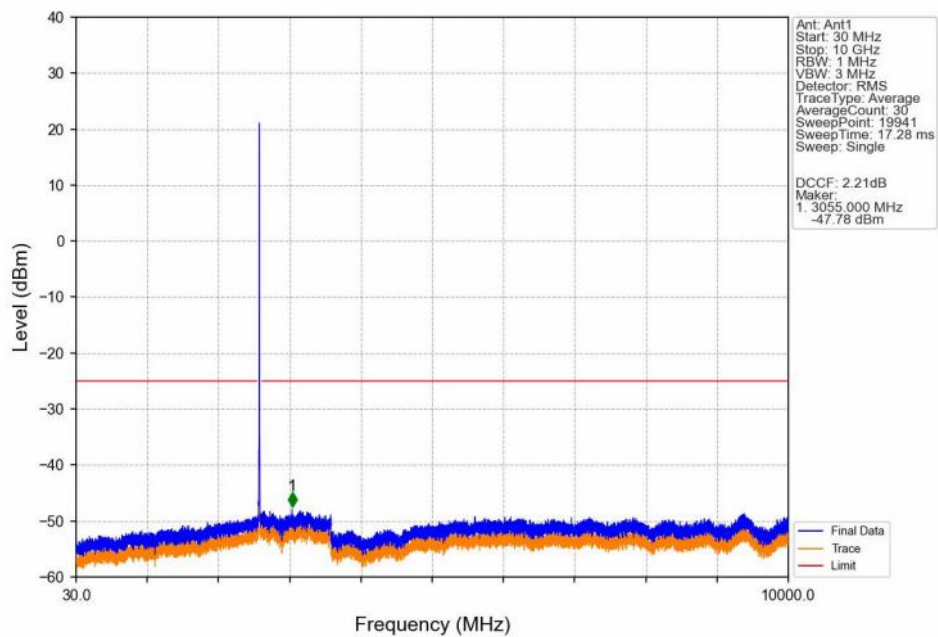
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



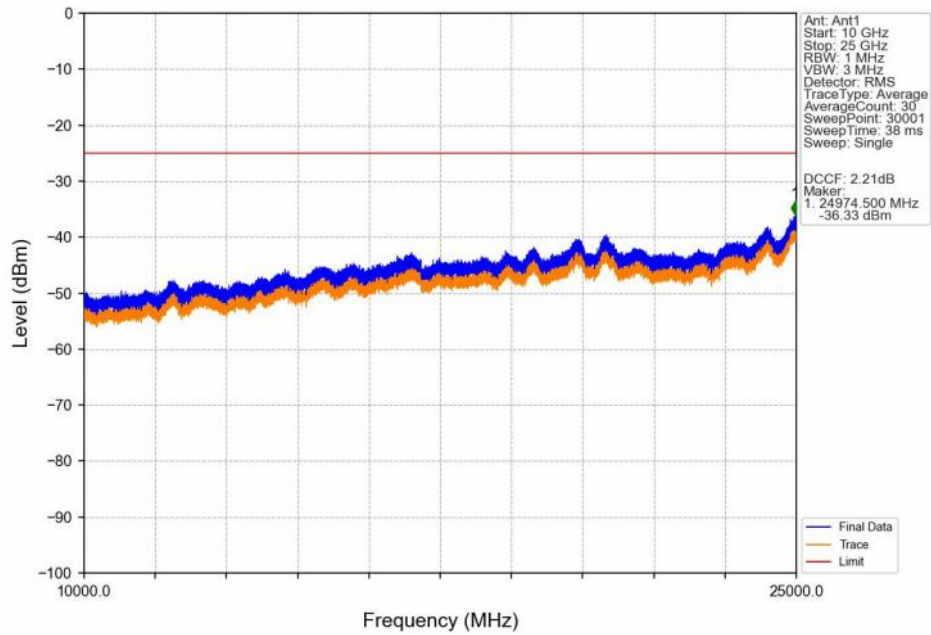
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



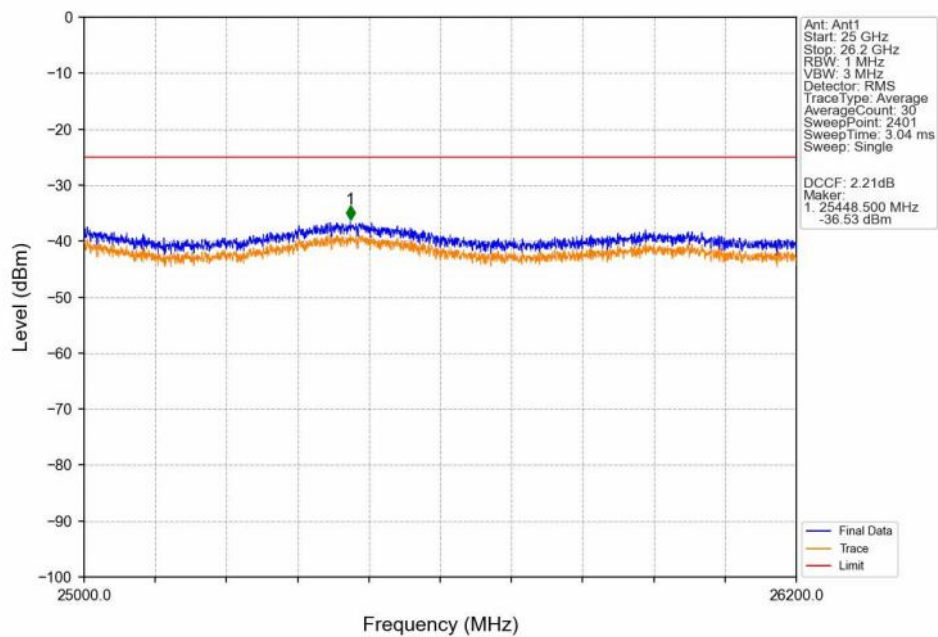
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



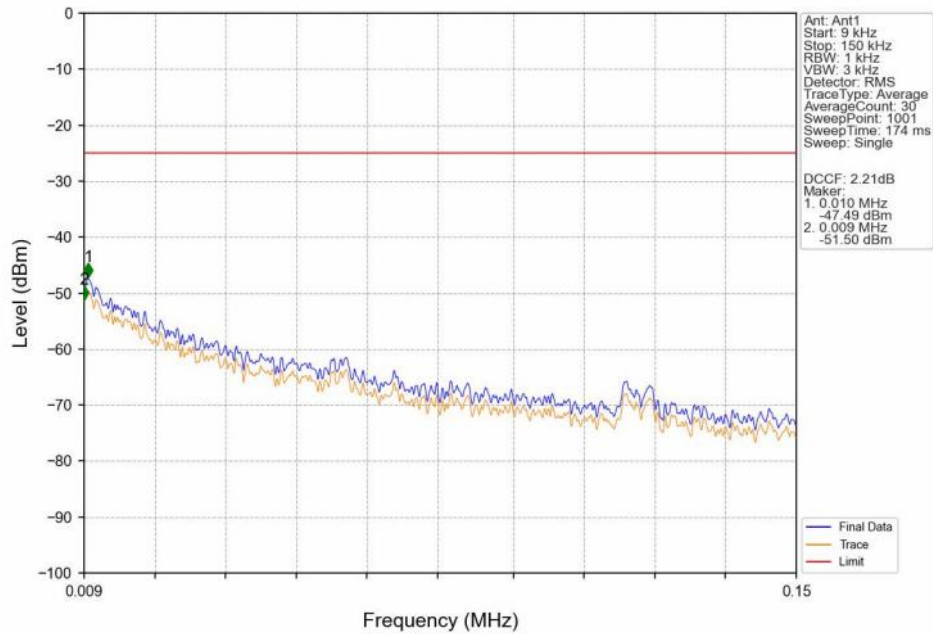
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



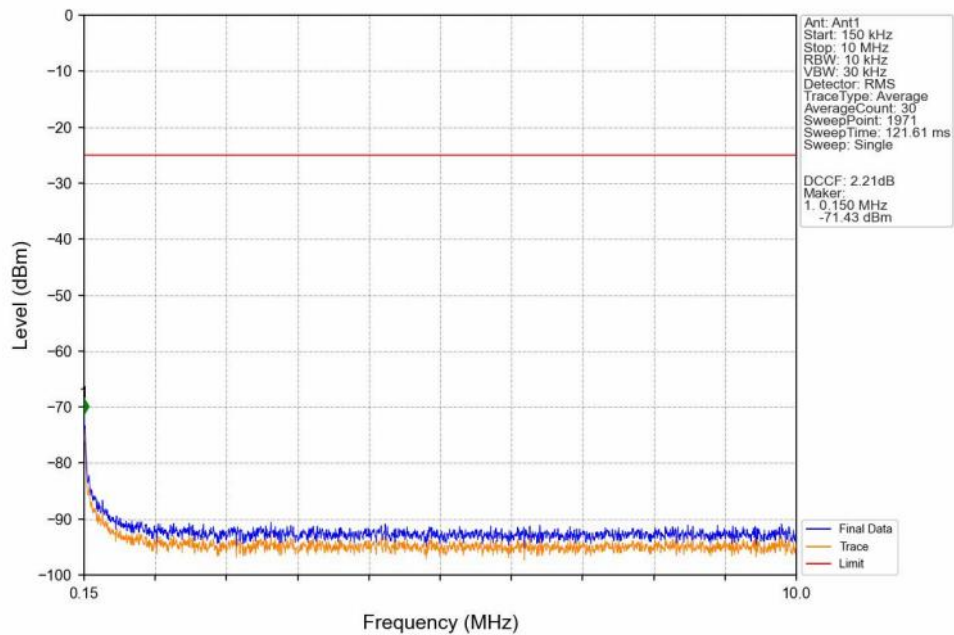
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



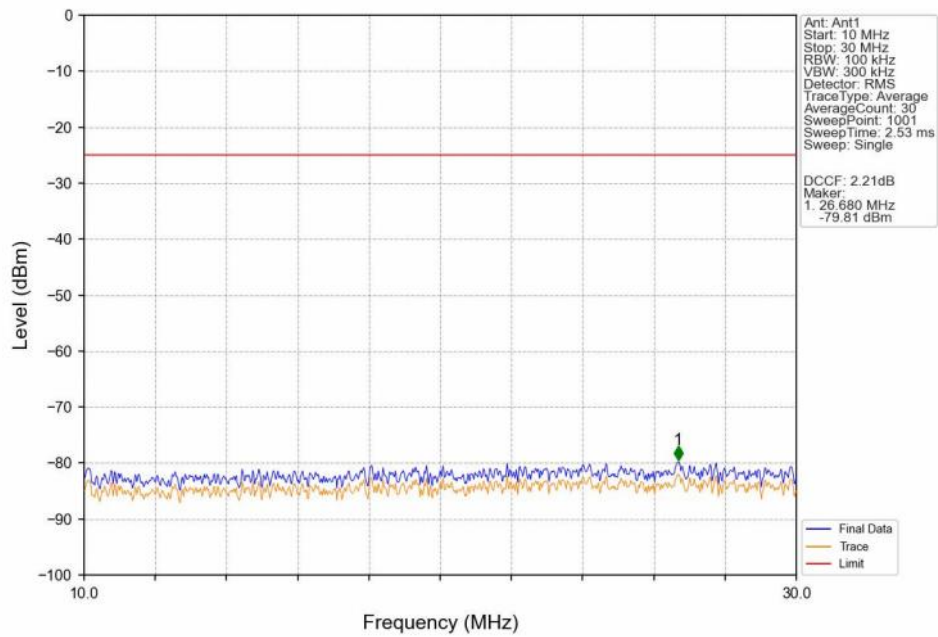
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



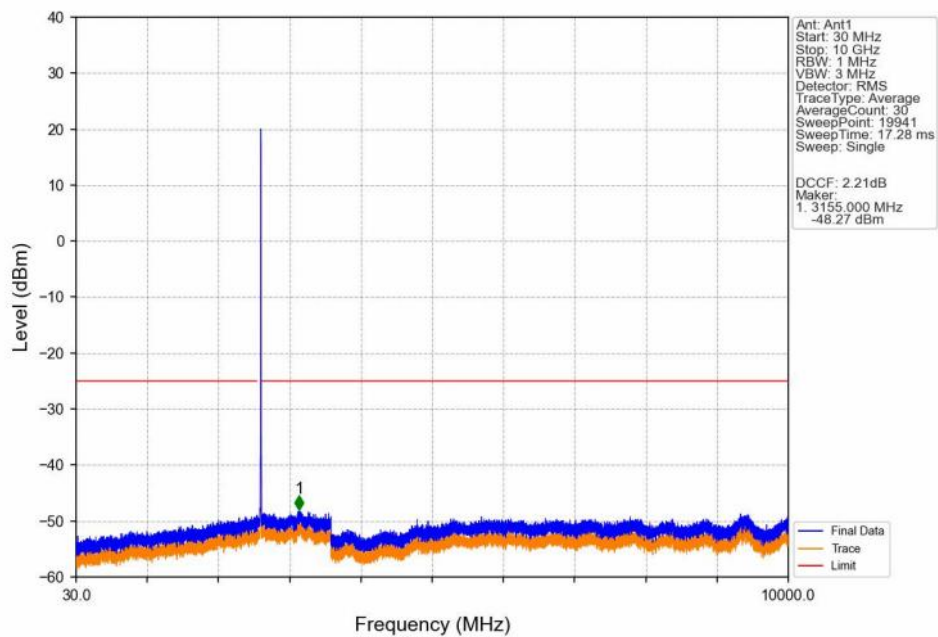
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



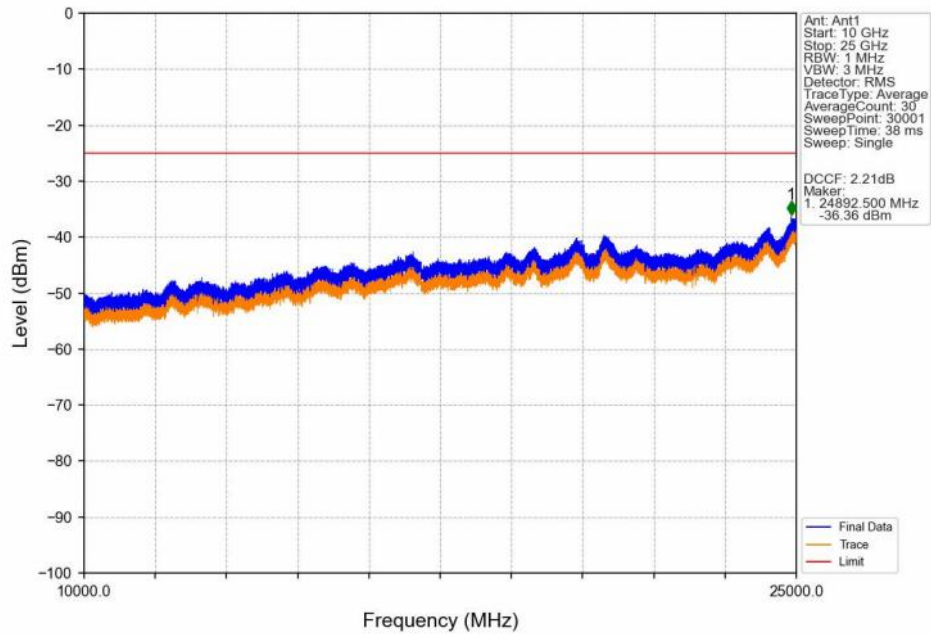
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



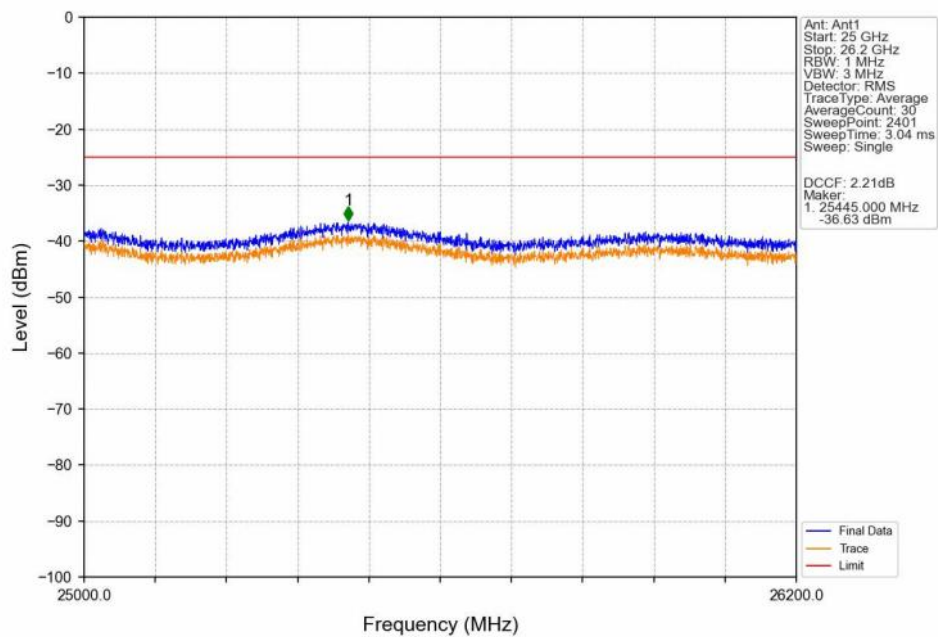
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



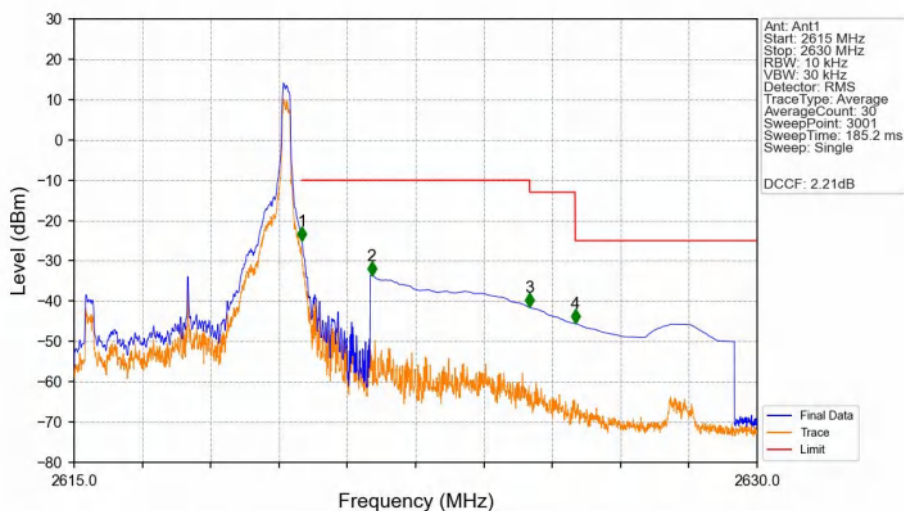
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

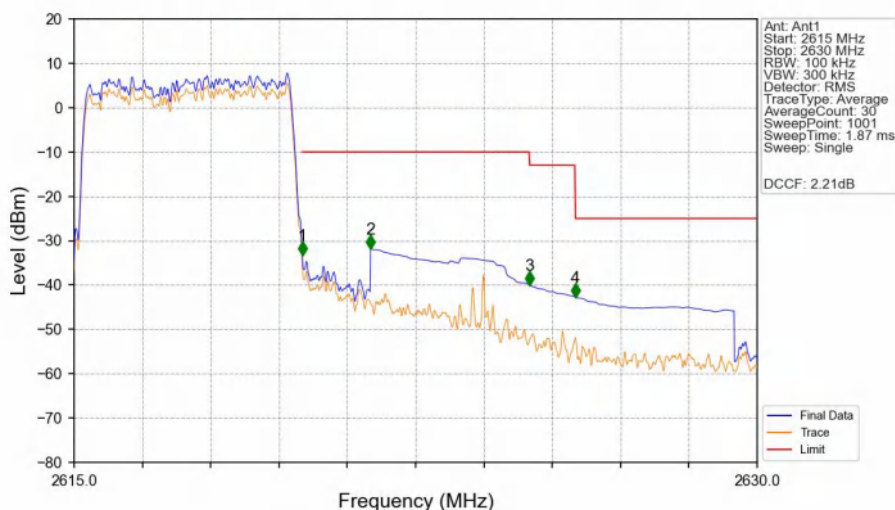


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTNV



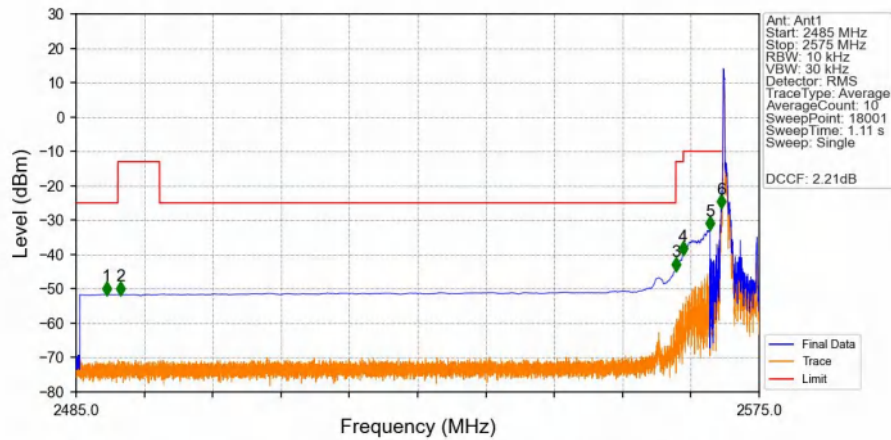
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-25.06	-10	Pass
2621	2625	1	CHP	2	2621.535	-33.60	-10	Pass
2625	2626	1	CHP	3	2625.005	-41.56	-13	Pass
2626	2630	1	CHP	4	2626.005	-45.55	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



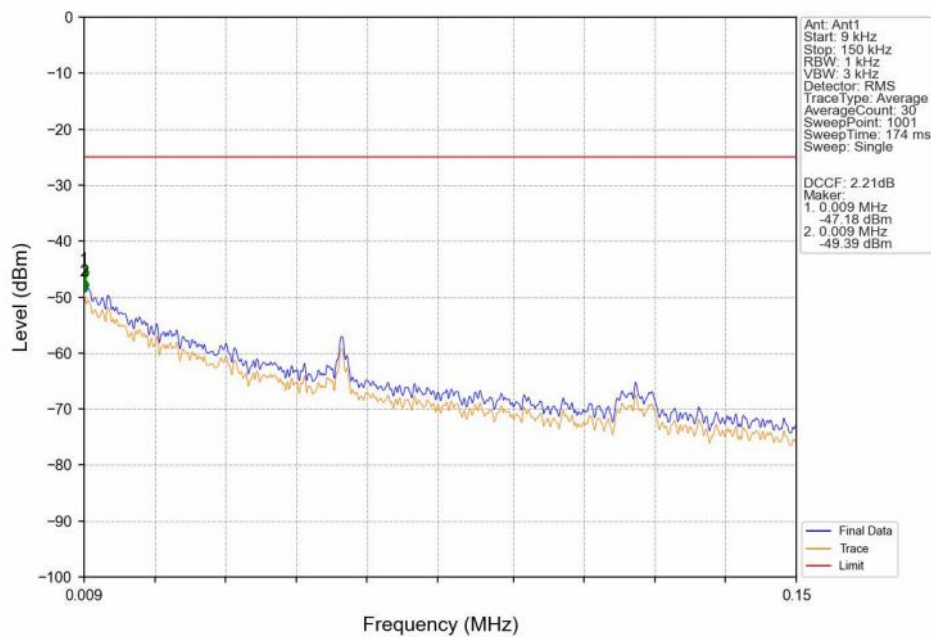
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.010	-33.28	-10	Pass
2621	2625	1	CHP	2	2621.510	-31.81	-10	Pass
2625	2626	1	CHP	3	2625.005	-40.10	-13	Pass
2626	2630	1	CHP	4	2626.010	-42.73	-25	Pass

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

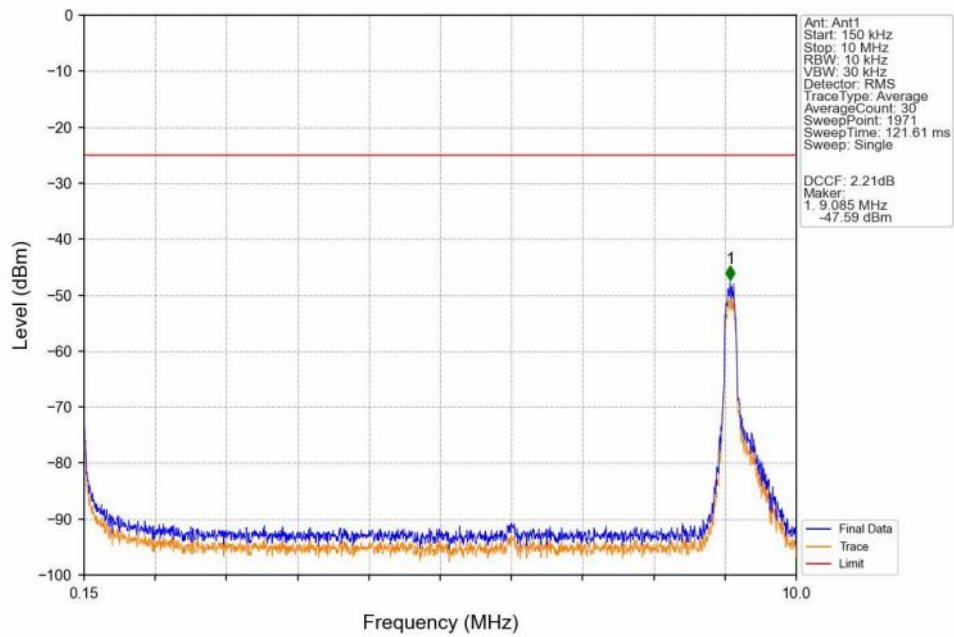


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.990	-51.56	-25	Pass
2490.5	2496	1	CHP	2	2490.850	-51.60	-13	Pass
2496	2564	1	CHP	3	2564.000	-44.55	-25	Pass
2564	2565	1	CHP	4	2564.995	-39.89	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.67	-10	Pass
2569	2570	0.02	CHP	6	2569.975	-26.25	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

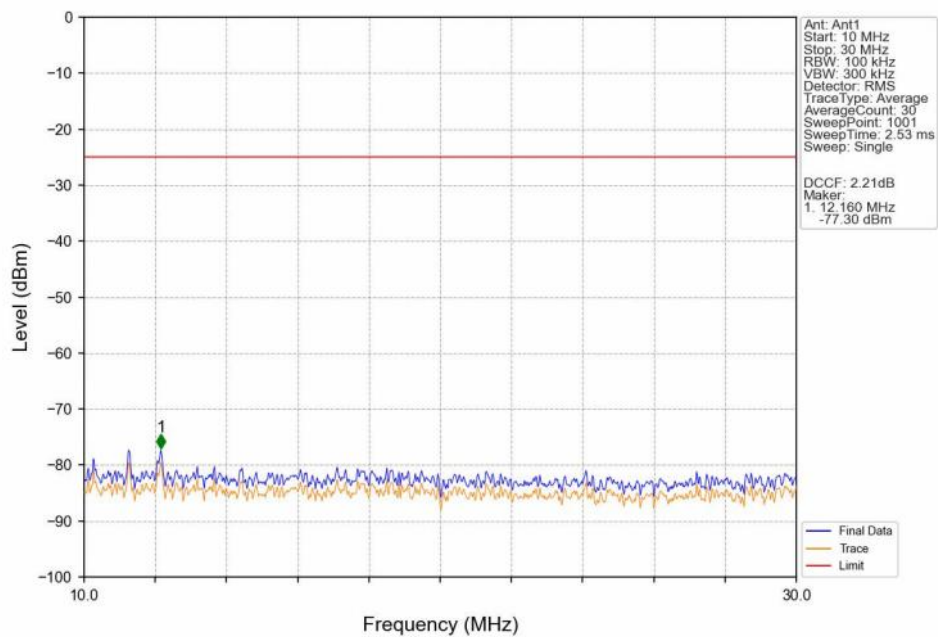
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



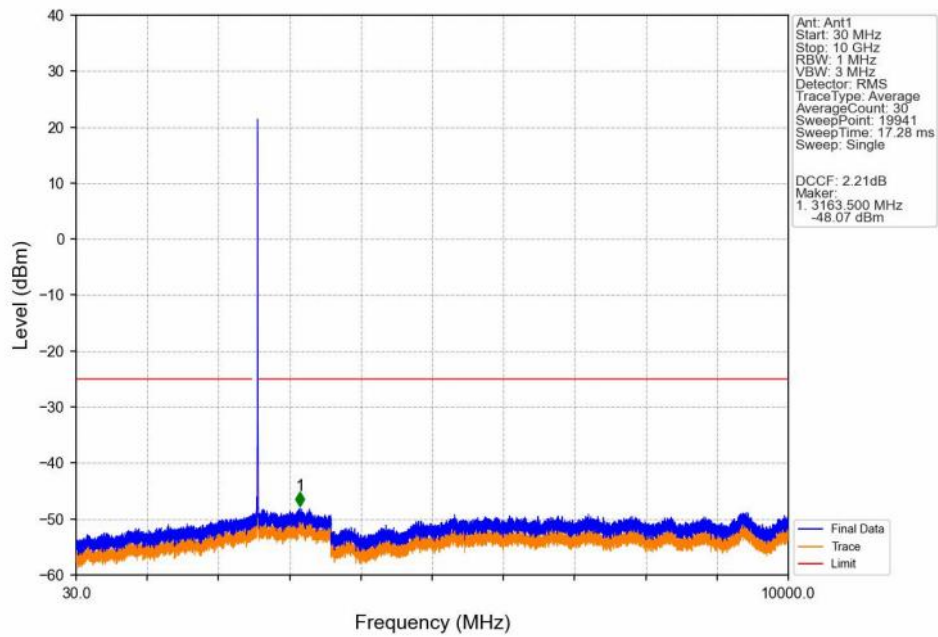
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



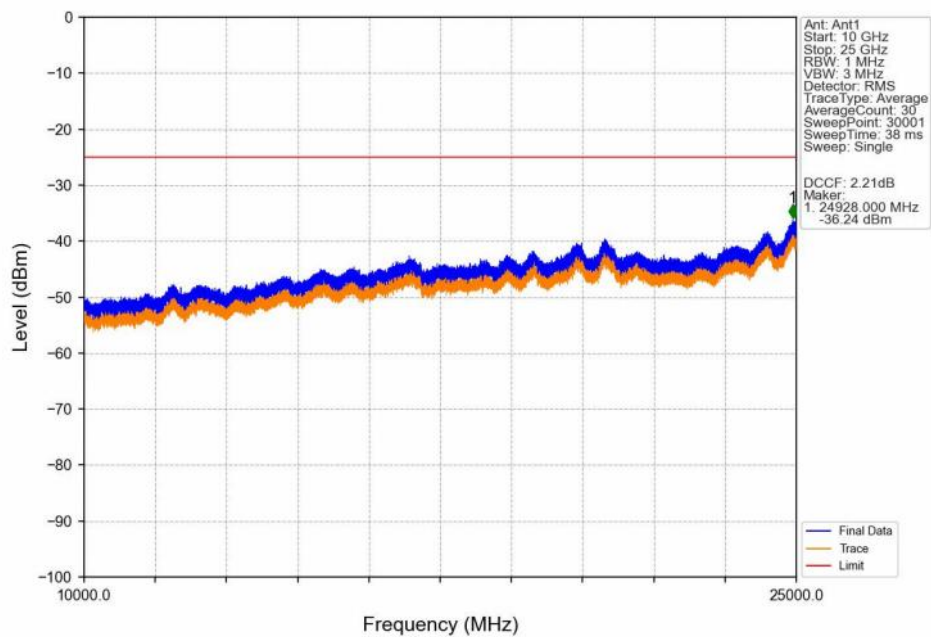
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



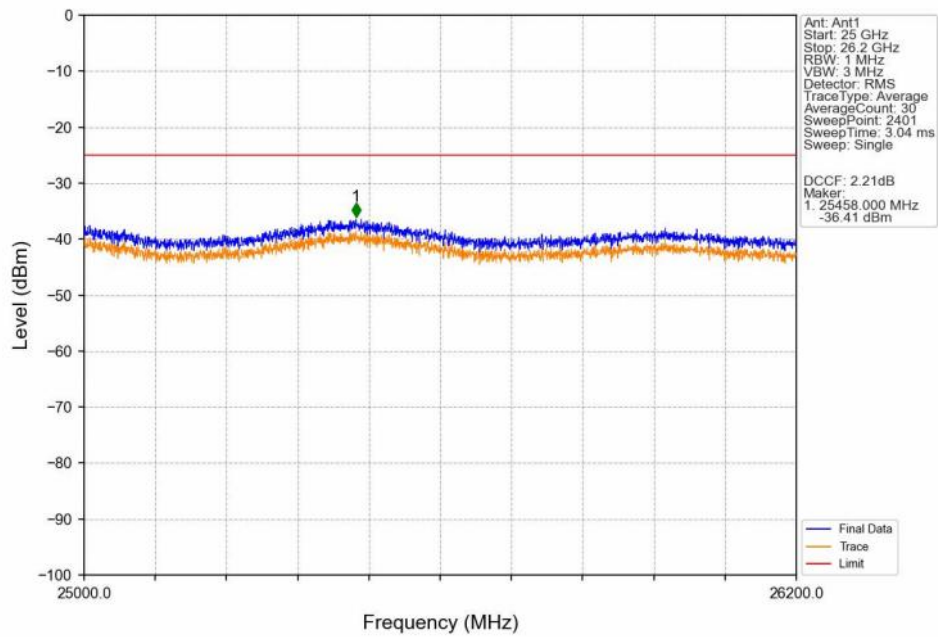
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



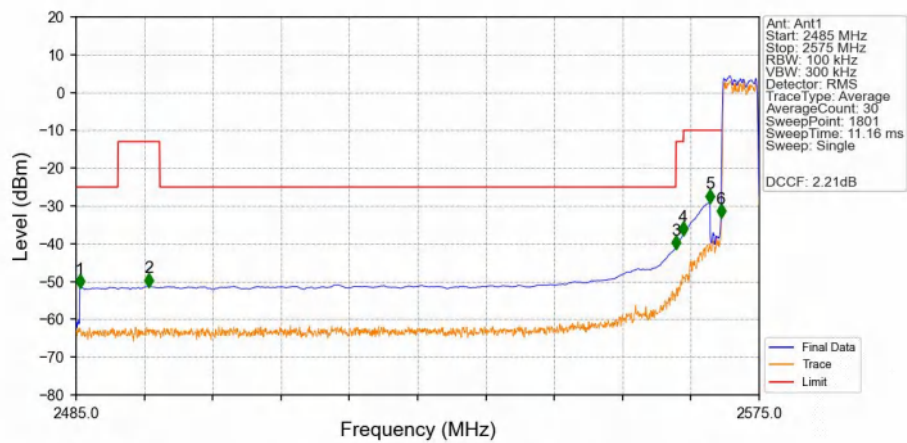
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

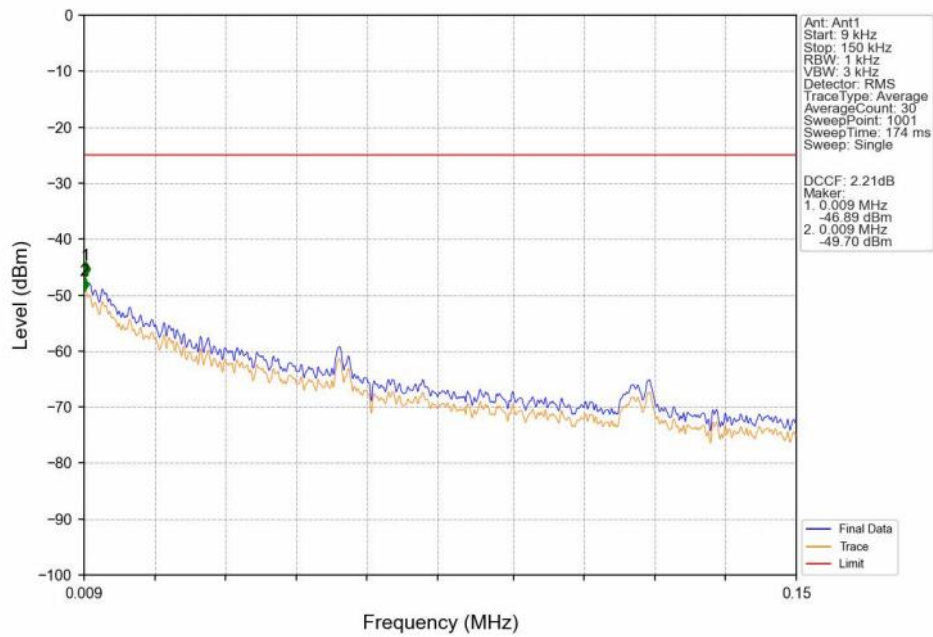


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV

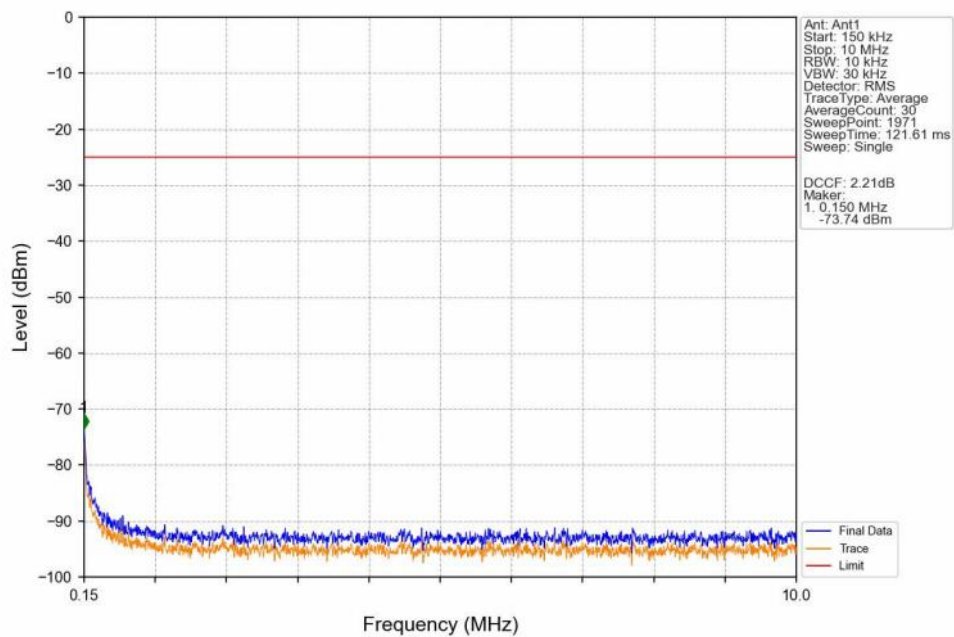


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-51.49	-25	Pass
2490.5	2496	1	CHP	2	2494.600	-51.17	-13	Pass
2496	2564	1	CHP	3	2564.000	-41.21	-25	Pass
2564	2565	1	CHP	4	2565.000	-37.58	-13	Pass
2565	2569	1	CHP	5	2568.500	-28.97	-10	Pass
2569	2570	0.104	CHP	6	2569.950	-32.86	-10	Pass
2570	2575	0.104	CHP	/	/	/	/	/

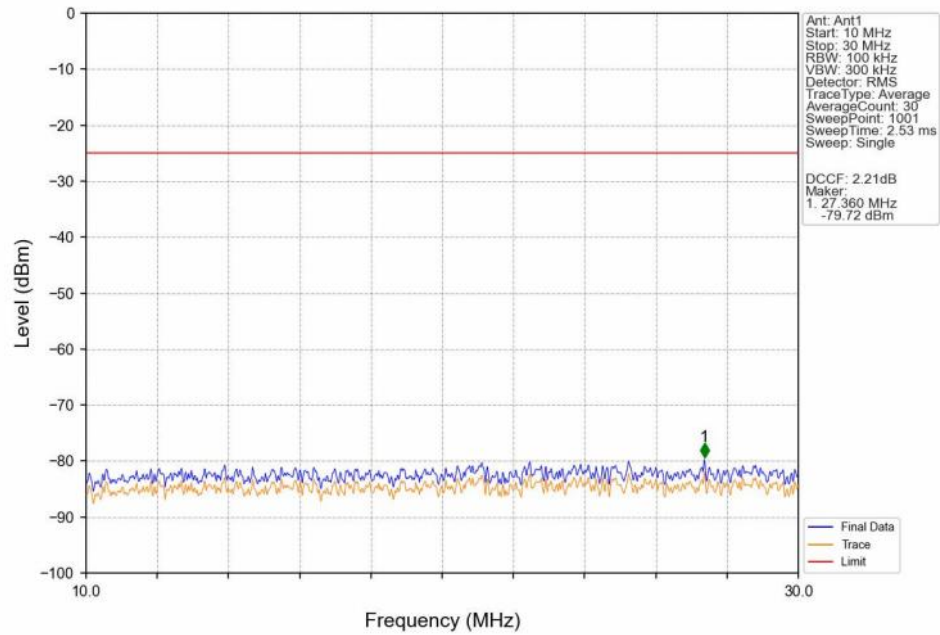
Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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

