

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	23.04	4.00	27.04	<=33.01	Pass
			13	23.17	4.00	27.17	<=33.01	Pass
			24	23.16	4.00	27.16	<=33.01	Pass
		12	0	22.08	4.00	26.08	<=33.01	Pass
			6	22.15	4.00	26.15	<=33.01	Pass
			13	22.09	4.00	26.09	<=33.01	Pass
		25	0	22.13	4.00	26.13	<=33.01	Pass
	2595	1	0	23.00	4.00	27.00	<=33.01	Pass
			13	23.12	4.00	27.12	<=33.01	Pass
			24	23.07	4.00	27.07	<=33.01	Pass
		12	0	22.13	4.00	26.13	<=33.01	Pass
			6	22.15	4.00	26.15	<=33.01	Pass
			13	22.12	4.00	26.12	<=33.01	Pass
		25	0	22.08	4.00	26.08	<=33.01	Pass
	2617.5	1	0	23.29	4.00	27.29	<=33.01	Pass
			13	23.44	4.00	27.44	<=33.01	Pass
			24	23.35	4.00	27.35	<=33.01	Pass
		12	0	22.28	4.00	26.28	<=33.01	Pass
			6	22.32	4.00	26.32	<=33.01	Pass
			13	22.33	4.00	26.33	<=33.01	Pass
		25	0	22.29	4.00	26.29	<=33.01	Pass
16QAM	2572.5	1	0	22.12	4.00	26.12	<=33.01	Pass
			13	22.23	4.00	26.23	<=33.01	Pass
			24	21.90	4.00	25.90	<=33.01	Pass
		12	0	21.16	4.00	25.16	<=33.01	Pass
			6	21.19	4.00	25.19	<=33.01	Pass
			13	21.10	4.00	25.10	<=33.01	Pass
		25	0	21.20	4.00	25.20	<=33.01	Pass
	2595	1	0	22.14	4.00	26.14	<=33.01	Pass
			13	22.16	4.00	26.16	<=33.01	Pass
			24	22.08	4.00	26.08	<=33.01	Pass
		12	0	21.04	4.00	25.04	<=33.01	Pass
			6	21.15	4.00	25.15	<=33.01	Pass
			13	21.14	4.00	25.14	<=33.01	Pass
		25	0	21.05	4.00	25.05	<=33.01	Pass
	2617.5	1	0	22.18	4.00	26.18	<=33.01	Pass
			13	22.31	4.00	26.31	<=33.01	Pass
			24	22.27	4.00	26.27	<=33.01	Pass
		12	0	21.31	4.00	25.31	<=33.01	Pass
			6	21.34	4.00	25.34	<=33.01	Pass
			13	21.35	4.00	25.35	<=33.01	Pass
		25	0	21.25	4.00	25.25	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.08	4.00	27.08	<=33.01	Pass
			25	23.09	4.00	27.09	<=33.01	Pass
			49	23.16	4.00	27.16	<=33.01	Pass
		25	0	22.13	4.00	26.13	<=33.01	Pass
			13	22.16	4.00	26.16	<=33.01	Pass
			25	22.16	4.00	26.16	<=33.01	Pass
		50	0	22.14	4.00	26.14	<=33.01	Pass
	2595	1	0	23.14	4.00	27.14	<=33.01	Pass
			25	23.13	4.00	27.13	<=33.01	Pass
			49	23.22	4.00	27.22	<=33.01	Pass
		25	0	22.10	4.00	26.10	<=33.01	Pass
			13	22.12	4.00	26.12	<=33.01	Pass
			25	22.15	4.00	26.15	<=33.01	Pass
		50	0	22.13	4.00	26.13	<=33.01	Pass
	2615	1	0	23.20	4.00	27.20	<=33.01	Pass
			25	23.27	4.00	27.27	<=33.01	Pass
			49	23.22	4.00	27.22	<=33.01	Pass
		25	0	22.23	4.00	26.23	<=33.01	Pass
			13	22.27	4.00	26.27	<=33.01	Pass
			25	22.27	4.00	26.27	<=33.01	Pass
		50	0	22.24	4.00	26.24	<=33.01	Pass
16QAM	2575	1	0	22.06	4.00	26.06	<=33.01	Pass
			25	22.09	4.00	26.09	<=33.01	Pass
			49	22.26	4.00	26.26	<=33.01	Pass
		25	0	21.16	4.00	25.16	<=33.01	Pass
			13	21.16	4.00	25.16	<=33.01	Pass
			25	21.14	4.00	25.14	<=33.01	Pass
		50	0	21.10	4.00	25.10	<=33.01	Pass
	2595	1	0	21.83	4.00	25.83	<=33.01	Pass
			25	21.85	4.00	25.85	<=33.01	Pass
			49	22.01	4.00	26.01	<=33.01	Pass
		25	0	21.08	4.00	25.08	<=33.01	Pass
			13	21.17	4.00	25.17	<=33.01	Pass
			25	21.19	4.00	25.19	<=33.01	Pass
		50	0	21.10	4.00	25.10	<=33.01	Pass
	2615	1	0	22.09	4.00	26.09	<=33.01	Pass
			25	22.43	4.00	26.43	<=33.01	Pass
			49	22.42	4.00	26.42	<=33.01	Pass
		25	0	21.22	4.00	25.22	<=33.01	Pass
			13	21.27	4.00	25.27	<=33.01	Pass
			25	21.28	4.00	25.28	<=33.01	Pass
		50	0	21.22	4.00	25.22	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	23.13	4.00	27.13	<=33.01	Pass
			38	23.16	4.00	27.16	<=33.01	Pass
			74	23.08	4.00	27.08	<=33.01	Pass

16QAM	2595	36	0	22.22	4.00	26.22	<=33.01	Pass
			18	22.25	4.00	26.25	<=33.01	Pass
			39	22.10	4.00	26.10	<=33.01	Pass
		75	0	22.12	4.00	26.12	<=33.01	Pass
			0	23.12	4.00	27.12	<=33.01	Pass
			38	23.10	4.00	27.10	<=33.01	Pass
		36	74	23.24	4.00	27.24	<=33.01	Pass
			0	22.15	4.00	26.15	<=33.01	Pass
			18	22.19	4.00	26.19	<=33.01	Pass
			39	22.19	4.00	26.19	<=33.01	Pass
			0	22.17	4.00	26.17	<=33.01	Pass
			0	23.27	4.00	27.27	<=33.01	Pass
	2612.5	1	38	23.18	4.00	27.18	<=33.01	Pass
			74	23.30	4.00	27.30	<=33.01	Pass
			0	22.32	4.00	26.32	<=33.01	Pass
		36	18	22.31	4.00	26.31	<=33.01	Pass
			39	22.30	4.00	26.30	<=33.01	Pass
			0	22.38	4.00	26.38	<=33.01	Pass
		75	0	21.93	4.00	25.93	<=33.01	Pass
			38	22.26	4.00	26.26	<=33.01	Pass
			74	22.14	4.00	26.14	<=33.01	Pass
		36	0	21.17	4.00	25.17	<=33.01	Pass
			18	21.21	4.00	25.21	<=33.01	Pass
			39	21.05	4.00	25.05	<=33.01	Pass
			0	21.09	4.00	25.09	<=33.01	Pass
	2595	1	0	22.00	4.00	26.00	<=33.01	Pass
			38	22.02	4.00	26.02	<=33.01	Pass
			74	22.02	4.00	26.02	<=33.01	Pass
		36	0	21.12	4.00	25.12	<=33.01	Pass
			18	21.14	4.00	25.14	<=33.01	Pass
			39	21.15	4.00	25.15	<=33.01	Pass
		75	0	21.14	4.00	25.14	<=33.01	Pass
			0	22.03	4.00	26.03	<=33.01	Pass
			38	21.99	4.00	25.99	<=33.01	Pass
			74	22.04	4.00	26.04	<=33.01	Pass
	2612.5	1	0	21.32	4.00	25.32	<=33.01	Pass
			18	21.25	4.00	25.25	<=33.01	Pass
			39	21.27	4.00	25.27	<=33.01	Pass
		36	0	21.34	4.00	25.34	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	23.13	4.00	27.13	<=33.01	Pass
			50	23.17	4.00	27.17	<=33.01	Pass
			99	23.06	4.00	27.06	<=33.01	Pass
		50	0	22.20	4.00	26.20	<=33.01	Pass
			25	22.10	4.00	26.10	<=33.01	Pass
			50	22.07	4.00	26.07	<=33.01	Pass
		100	0	22.06	4.00	26.06	<=33.01	Pass
			0	23.06	4.00	27.06	<=33.01	Pass
	2595	1	50	23.03	4.00	27.03	<=33.01	Pass

16QAM	2610	50	99	23.20	4.00	27.20	<=33.01	Pass	
			0	22.11	4.00	26.11	<=33.01	Pass	
			25	22.16	4.00	26.16	<=33.01	Pass	
			50	22.17	4.00	26.17	<=33.01	Pass	
		100	0	22.16	4.00	26.16	<=33.01	Pass	
		1	0	23.19	4.00	27.19	<=33.01	Pass	
			50	23.13	4.00	27.13	<=33.01	Pass	
			99	23.23	4.00	27.23	<=33.01	Pass	
		50	0	22.24	4.00	26.24	<=33.01	Pass	
			25	22.33	4.00	26.33	<=33.01	Pass	
	50		22.24	4.00	26.24	<=33.01	Pass		
	100	0	22.31	4.00	26.31	<=33.01	Pass		
	2580	1	0	22.39	4.00	26.39	<=33.01	Pass	
			50	22.17	4.00	26.17	<=33.01	Pass	
			99	22.03	4.00	26.03	<=33.01	Pass	
			0	21.16	4.00	25.16	<=33.01	Pass	
			25	21.13	4.00	25.13	<=33.01	Pass	
			50	21.06	4.00	25.06	<=33.01	Pass	
			100	0	21.09	4.00	25.09	<=33.01	Pass
			50	0	22.25	4.00	26.25	<=33.01	Pass
50				22.25	4.00	26.25	<=33.01	Pass	
99		22.32		4.00	26.32	<=33.01	Pass		
0		21.09		4.00	25.09	<=33.01	Pass		
25		21.17		4.00	25.17	<=33.01	Pass		
50		21.21		4.00	25.21	<=33.01	Pass		
100		0		21.16	4.00	25.16	<=33.01	Pass	
1		0		22.32	4.00	26.32	<=33.01	Pass	
		50		22.31	4.00	26.31	<=33.01	Pass	
		99	22.40	4.00	26.40	<=33.01	Pass		
		0	21.24	4.00	25.24	<=33.01	Pass		
		25	21.29	4.00	25.29	<=33.01	Pass		
		50	21.23	4.00	25.23	<=33.01	Pass		
	100	0	21.27	4.00	25.27	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

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	-1.224	-0.0005	-2.5 to 2.5	Pass
					3.85	3.184	0.0012	-2.5 to 2.5	Pass
					4.43	1.762	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.505	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.125	0.0004	-2.5 to 2.5	Pass
				-10	3.85	9.578	0.0037	-2.5 to 2.5	Pass
				0	3.85	3.301	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.474	-0.0002	-2.5 to 2.5	Pass
				30	3.85	9.240	0.0036	-2.5 to 2.5	Pass
				40	3.85	10.096	0.0039	-2.5 to 2.5	Pass

16QAM	2595	25	0	50	3.85	1.482	0.0006	-2.5 to 2.5	Pass
				20	3.27	-4.705	-0.0018	-2.5 to 2.5	Pass
					3.85	2.474	0.0010	-2.5 to 2.5	Pass
					4.43	3.906	0.0015	-2.5 to 2.5	Pass
				-30	3.85	5.968	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.496	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	3.149	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.270	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.113	0.0004	-2.5 to 2.5	Pass
				30	3.85	-5.271	-0.0020	-2.5 to 2.5	Pass
				40	3.85	5.073	0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.769	-0.0015	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-2.968	-0.0011	-2.5 to 2.5	Pass
					3.85	5.210	0.0020	-2.5 to 2.5	Pass
					4.43	0.472	0.0002	-2.5 to 2.5	Pass
					3.85	-4.513	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.921	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	5.471	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.973	-0.0023	-2.5 to 2.5	Pass
				0	3.85	2.289	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.959	0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.609	-0.0021	-2.5 to 2.5	Pass
				40	3.85	1.000	0.0004	-2.5 to 2.5	Pass
				50	3.85	6.384	0.0025	-2.5 to 2.5	Pass
	2572.5	25	0	20	3.27	6.384	0.0025	-2.5 to 2.5	Pass
					3.85	8.365	0.0033	-2.5 to 2.5	Pass
					4.43	6.591	0.0026	-2.5 to 2.5	Pass
					3.85	2.155	0.0008	-2.5 to 2.5	Pass
				-30	3.85	5.314	0.0021	-2.5 to 2.5	Pass
				-20	3.85	3.387	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.939	0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.934	-0.0008	-2.5 to 2.5	Pass
				10	3.85	7.010	0.0027	-2.5 to 2.5	Pass
				30	3.85	8.880	0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.887	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.333	0.0001	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	0.333	0.0001	-2.5 to 2.5	Pass
					3.85	-2.925	-0.0011	-2.5 to 2.5	Pass
					4.43	1.863	0.0007	-2.5 to 2.5	Pass
					3.85	6.363	0.0025	-2.5 to 2.5	Pass
				-30	3.85	1.696	0.0007	-2.5 to 2.5	Pass
				-20	3.85	6.542	0.0025	-2.5 to 2.5	Pass
				-10	3.85	5.035	0.0019	-2.5 to 2.5	Pass
				0	3.85	1.062	0.0004	-2.5 to 2.5	Pass
				10	3.85	-7.829	-0.0030	-2.5 to 2.5	Pass
				30	3.85	3.137	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0006	-2.5 to 2.5	Pass
				50	3.85	2.741	0.0010	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	2.741	0.0010	-2.5 to 2.5	Pass
					3.85	-1.536	-0.0006	-2.5 to 2.5	Pass
					4.43	7.837	0.0030	-2.5 to 2.5	Pass
					3.85	0.907	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.396	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.276	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.649	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.256	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.113	0.0000	-2.5 to 2.5	Pass
				30	3.85	-3.173	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.192	-0.0001	-2.5 to 2.5	Pass
				50	3.85				

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	8.650	0.0034	-2.5 to 2.5	Pass
					3.85	3.788	0.0015	-2.5 to 2.5	Pass
					4.43	2.526	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.572	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.741	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.895	0.0007	-2.5 to 2.5	Pass
				0	3.85	6.058	0.0024	-2.5 to 2.5	Pass
				10	3.85	0.575	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.708	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.346	0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.264	-0.0009	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-1.992	-0.0008	-2.5 to 2.5	Pass
					3.85	2.117	0.0008	-2.5 to 2.5	Pass
					4.43	4.389	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.227	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.244	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.179	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.826	-0.0019	-2.5 to 2.5	Pass
				10	3.85	4.756	0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.887	-0.0011	-2.5 to 2.5	Pass
				40	3.85	5.693	0.0022	-2.5 to 2.5	Pass
				50	3.85	1.942	0.0007	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-0.999	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.634	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.537	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-10.604	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-7.609	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-11.120	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-6.689	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-9.478	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.767	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.379	-0.0017	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	13.680	0.0053	-2.5 to 2.5	Pass
					3.85	8.969	0.0035	-2.5 to 2.5	Pass
					4.43	-1.862	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	12.511	0.0049	-2.5 to 2.5	Pass
				-20	3.85	6.878	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.171	-0.0005	-2.5 to 2.5	Pass
				0	3.85	4.324	0.0017	-2.5 to 2.5	Pass
				10	3.85	8.039	0.0031	-2.5 to 2.5	Pass
				30	3.85	12.167	0.0047	-2.5 to 2.5	Pass
				40	3.85	1.292	0.0005	-2.5 to 2.5	Pass
				50	3.85	9.424	0.0037	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-5.614	-0.0022	-2.5 to 2.5	Pass
					3.85	-2.952	-0.0011	-2.5 to 2.5	Pass
					4.43	7.857	0.0030	-2.5 to 2.5	Pass
				-30	3.85	3.982	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.995	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	2.075	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.260	0.0013	-2.5 to 2.5	Pass

	2615	50	0	10	3.85	-2.757	-0.0011	-2.5 to 2.5	Pass
				30	3.85	2.578	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.049	0.0000	-2.5 to 2.5	Pass
				50	3.85	-8.023	-0.0031	-2.5 to 2.5	Pass
				20	3.27	-14.415	-0.0055	-2.5 to 2.5	Pass
					3.85	-7.916	-0.0030	-2.5 to 2.5	Pass
					4.43	-11.448	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	1.372	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-13.441	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.940	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.698	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-8.124	-0.0031	-2.5 to 2.5	Pass
				30	3.85	0.145	0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-11.703	-0.0045	-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	-3.627	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.395	-0.0013	-2.5 to 2.5	Pass
					4.43	-6.234	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.867	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.017	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-5.056	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-7.878	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-2.268	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-12.635	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-10.266	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.445	-0.0009	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	1.952	0.0008	-2.5 to 2.5	Pass
					3.85	-11.073	-0.0043	-2.5 to 2.5	Pass
					4.43	-1.921	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.186	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.882	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.135	0.0004	-2.5 to 2.5	Pass
				0	3.85	-6.269	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.501	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.555	-0.0014	-2.5 to 2.5	Pass
				40	3.85	3.992	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.486	0.0010	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	5.170	0.0020	-2.5 to 2.5	Pass
					3.85	1.149	0.0004	-2.5 to 2.5	Pass
					4.43	1.576	0.0006	-2.5 to 2.5	Pass
				-30	3.85	7.616	0.0029	-2.5 to 2.5	Pass
				-20	3.85	2.441	0.0009	-2.5 to 2.5	Pass
				-10	3.85	8.602	0.0033	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.974	0.0004	-2.5 to 2.5	Pass
				30	3.85	3.532	0.0014	-2.5 to 2.5	Pass
				40	3.85	6.251	0.0024	-2.5 to 2.5	Pass
				50	3.85	12.817	0.0049	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-12.200	-0.0047	-2.5 to 2.5	Pass

					3.85	-9.279	-0.0036	-2.5 to 2.5	Pass
					4.43	-13.397	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.601	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.328	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-12.579	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-11.746	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.686	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-4.374	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.270	-0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-1.472	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.689	-0.0003	-2.5 to 2.5	Pass
					4.43	0.210	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.446	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	0.798	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.917	-0.0004	-2.5 to 2.5	Pass
				0	3.85	5.960	0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.831	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.532	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.566	-0.0010	-2.5 to 2.5	Pass
				50	3.85	8.362	0.0032	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	2.258	0.0009	-2.5 to 2.5	Pass
					3.85	5.422	0.0021	-2.5 to 2.5	Pass
					4.43	11.211	0.0043	-2.5 to 2.5	Pass
				-30	3.85	7.782	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.007	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.603	0.0018	-2.5 to 2.5	Pass
				0	3.85	8.701	0.0033	-2.5 to 2.5	Pass
				10	3.85	8.054	0.0031	-2.5 to 2.5	Pass
				30	3.85	10.584	0.0041	-2.5 to 2.5	Pass
				40	3.85	9.838	0.0038	-2.5 to 2.5	Pass
				50	3.85	0.593	0.0002	-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	-5.980	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.591	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.943	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.572	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.327	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-5.746	-0.0022	-2.5 to 2.5	Pass
				0	3.85	5.486	0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-5.119	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.109	-0.0008	-2.5 to 2.5	Pass
				50	3.85	4.077	0.0016	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	4.140	0.0016	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.599	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.416	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.500	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.376	-0.0017	-2.5 to 2.5	Pass

				0	3.85	2.531	0.0010	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.665	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.067	-0.0012	-2.5 to 2.5	Pass
				50	3.85	4.585	0.0018	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	1.825	0.0007	-2.5 to 2.5	Pass
					3.85	2.746	0.0011	-2.5 to 2.5	Pass
					4.43	-4.130	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.201	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	1.812	0.0007	-2.5 to 2.5	Pass
				-10	3.85	7.001	0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass
				10	3.85	2.290	0.0009	-2.5 to 2.5	Pass
				30	3.85	4.709	0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.574	-0.0018	-2.5 to 2.5	Pass
				50	3.85	3.758	0.0014	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-6.435	-0.0025	-2.5 to 2.5	Pass
					3.85	-5.688	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.606	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.353	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-7.117	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.367	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.102	0.0004	-2.5 to 2.5	Pass
				10	3.85	5.618	0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.660	-0.0014	-2.5 to 2.5	Pass
				40	3.85	4.238	0.0016	-2.5 to 2.5	Pass
				50	3.85	3.031	0.0012	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-4.769	-0.0018	-2.5 to 2.5	Pass
					3.85	0.795	0.0003	-2.5 to 2.5	Pass
					4.43	-1.098	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.263	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.309	0.0009	-2.5 to 2.5	Pass
				-10	3.85	4.317	0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.906	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.687	-0.0014	-2.5 to 2.5	Pass
				30	3.85	3.174	0.0012	-2.5 to 2.5	Pass
				40	3.85	-7.920	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.001	-0.0012	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-2.204	-0.0008	-2.5 to 2.5	Pass
					3.85	-5.044	-0.0019	-2.5 to 2.5	Pass
					4.43	-7.467	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.827	0.0007	-2.5 to 2.5	Pass
				-20	3.85	6.651	0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.181	-0.0016	-2.5 to 2.5	Pass
				0	3.85	4.565	0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.986	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.194	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-9.464	-0.0036	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	4.547	/	Pass
		2595	25	0	4.539	/	Pass
		2617.5	25	0	4.542	/	Pass
	16QAM	2572.5	25	0	4.550	/	Pass
		2595	25	0	4.532	/	Pass
		2617.5	25	0	4.537	/	Pass
10	QPSK	2575	50	0	9.049	/	Pass
		2595	50	0	9.085	/	Pass
		2615	50	0	9.050	/	Pass
	16QAM	2575	50	0	9.031	/	Pass
		2595	50	0	9.047	/	Pass
		2615	50	0	9.037	/	Pass
15	QPSK	2577.5	75	0	13.584	/	Pass
		2595	75	0	13.549	/	Pass
		2612.5	75	0	13.539	/	Pass
	16QAM	2577.5	75	0	13.566	/	Pass
		2595	75	0	13.544	/	Pass
		2612.5	75	0	13.580	/	Pass
20	QPSK	2580	100	0	18.081	/	Pass
		2595	100	0	18.027	/	Pass
		2610	100	0	18.042	/	Pass
	16QAM	2580	100	0	18.053	/	Pass
		2595	100	0	18.098	/	Pass
		2610	100	0	18.042	/	Pass

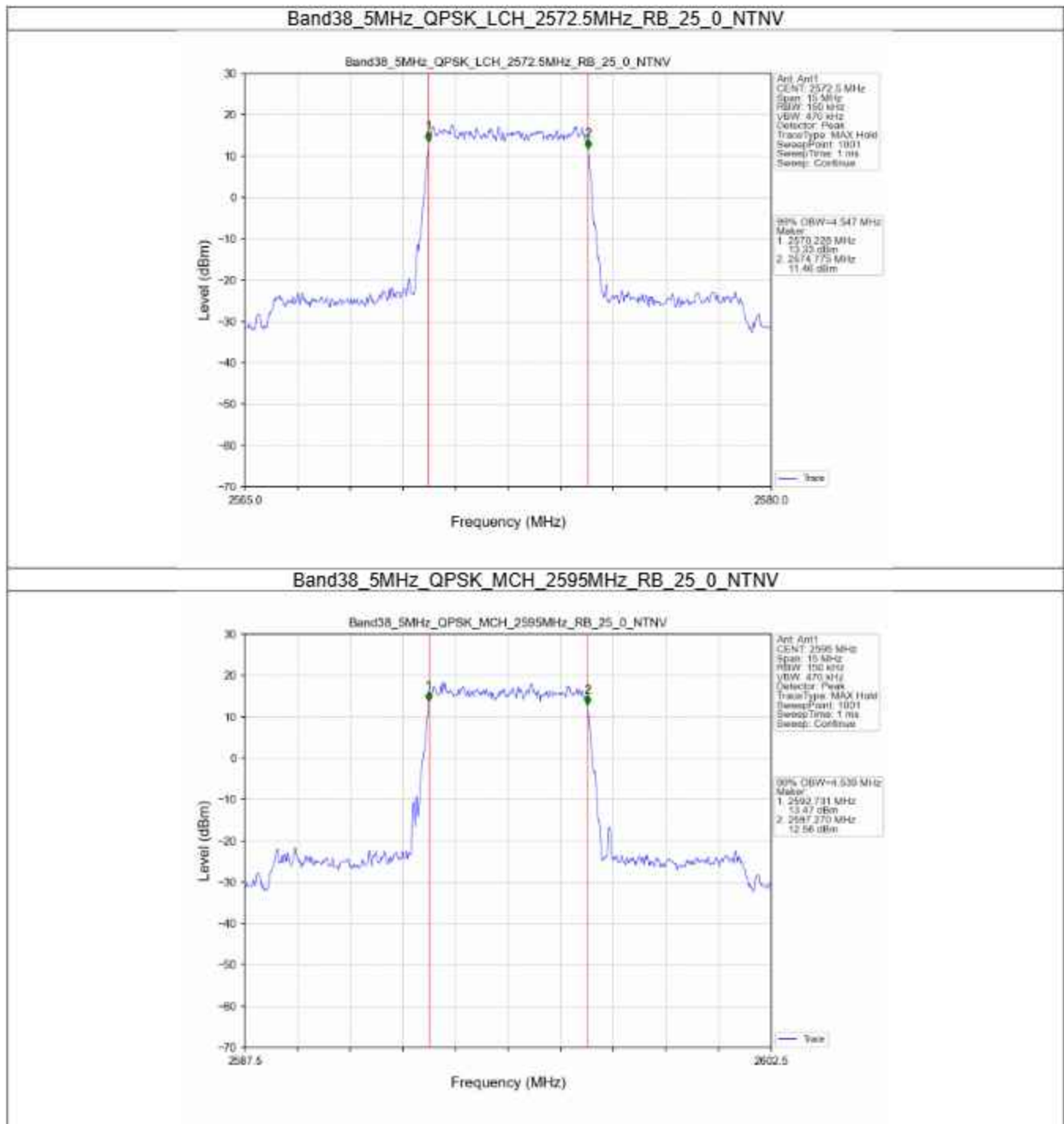
3.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.001	/	Pass
		2595	25	0	5.029	/	Pass
		2617.5	25	0	5.036	/	Pass
	16QAM	2572.5	25	0	5.004	/	Pass
		2595	25	0	5.033	/	Pass
		2617.5	25	0	5.017	/	Pass
10	QPSK	2575	50	0	9.928	/	Pass
		2595	50	0	9.983	/	Pass
		2615	50	0	9.926	/	Pass
	16QAM	2575	50	0	9.884	/	Pass
		2595	50	0	9.955	/	Pass
		2615	50	0	9.905	/	Pass
15	QPSK	2577.5	75	0	14.949	/	Pass
		2595	75	0	14.868	/	Pass
		2612.5	75	0	14.859	/	Pass
	16QAM	2577.5	75	0	14.820	/	Pass
		2595	75	0	14.889	/	Pass
		2612.5	75	0	14.989	/	Pass
20	QPSK	2580	100	0	19.680	/	Pass
		2595	100	0	19.656	/	Pass

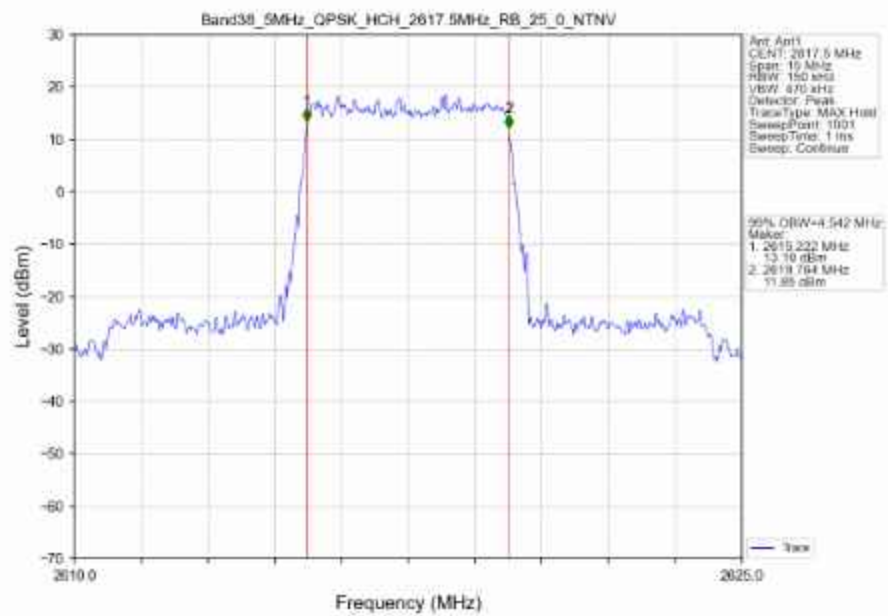
	16QAM	2610	100	0	19.827	/	Pass
		2580	100	0	19.814	/	Pass
		2595	100	0	19.679	/	Pass
		2610	100	0	19.624	/	Pass

3.2 Test Graph

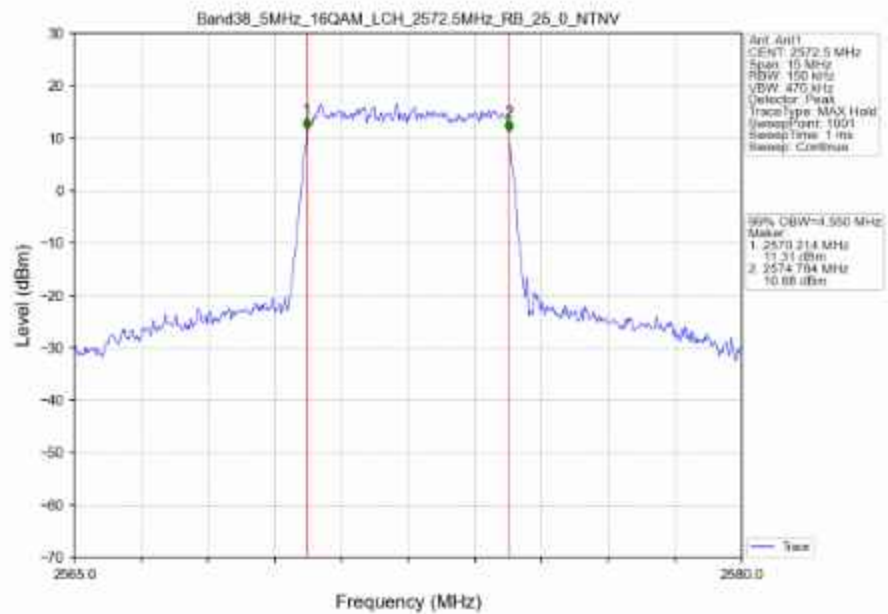
3.2.1 Band38_OBW



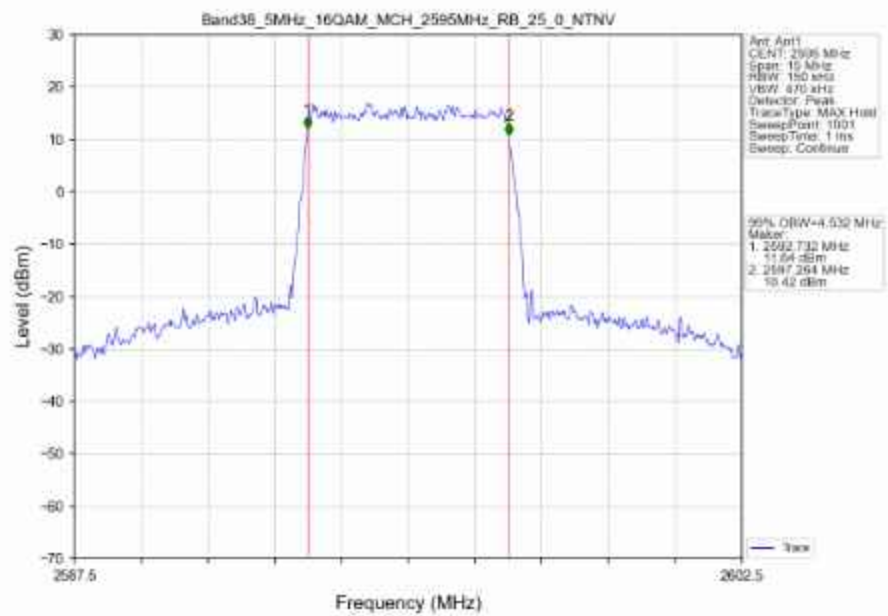
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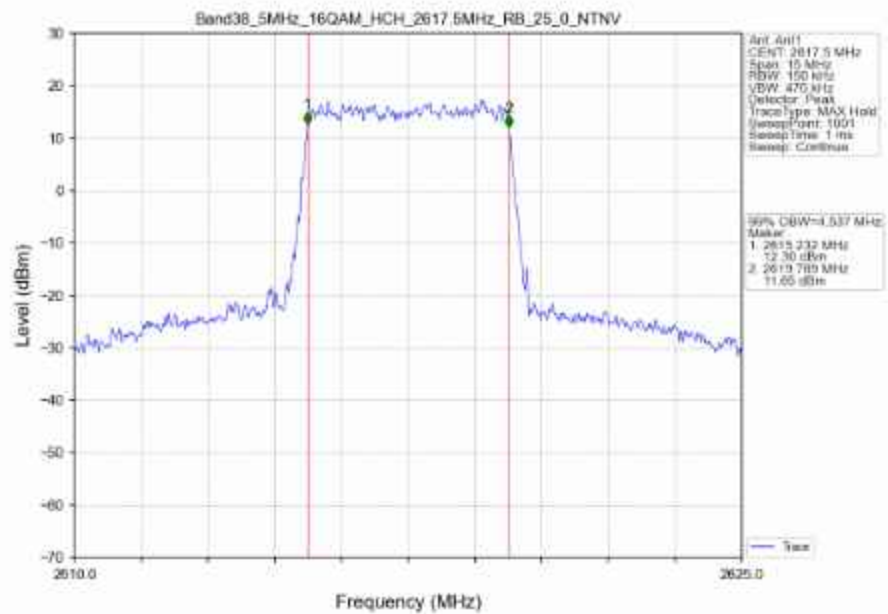
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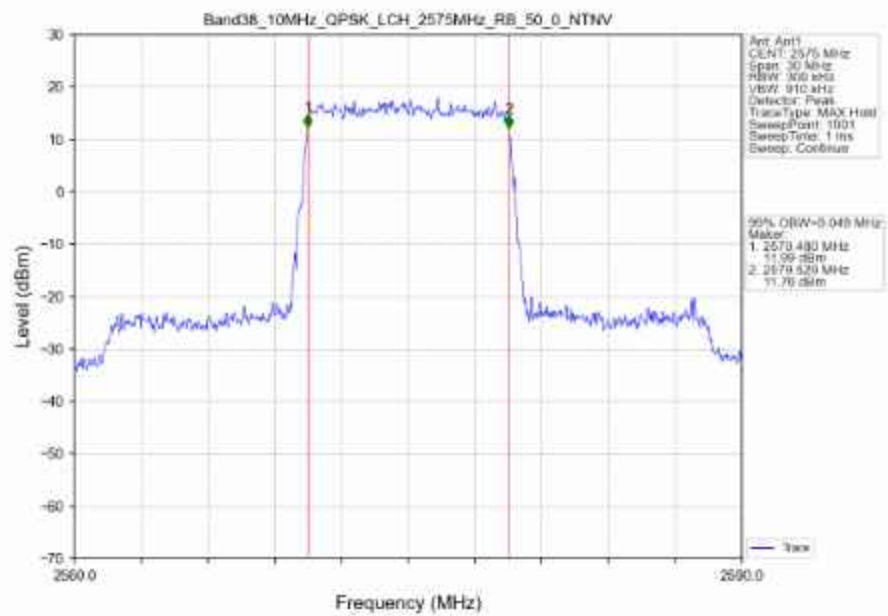
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



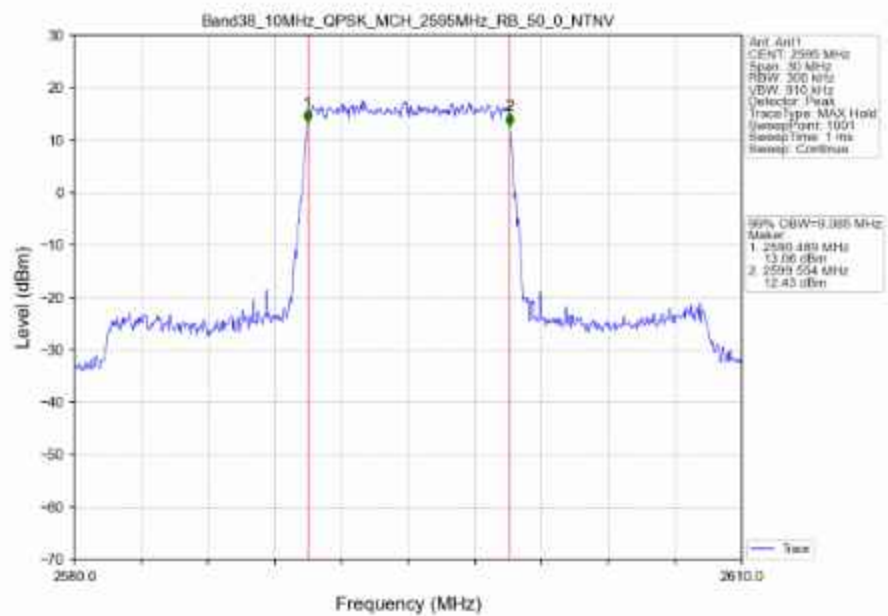
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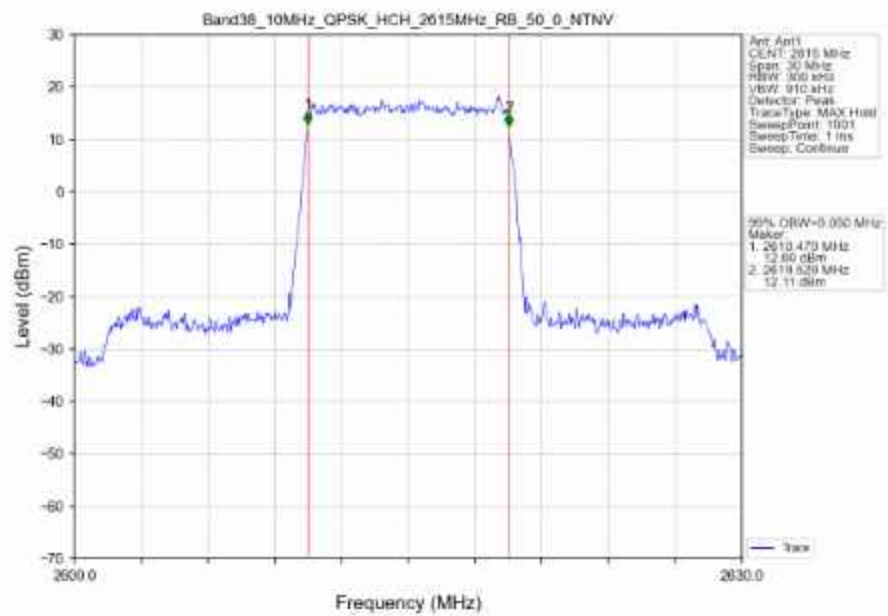
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



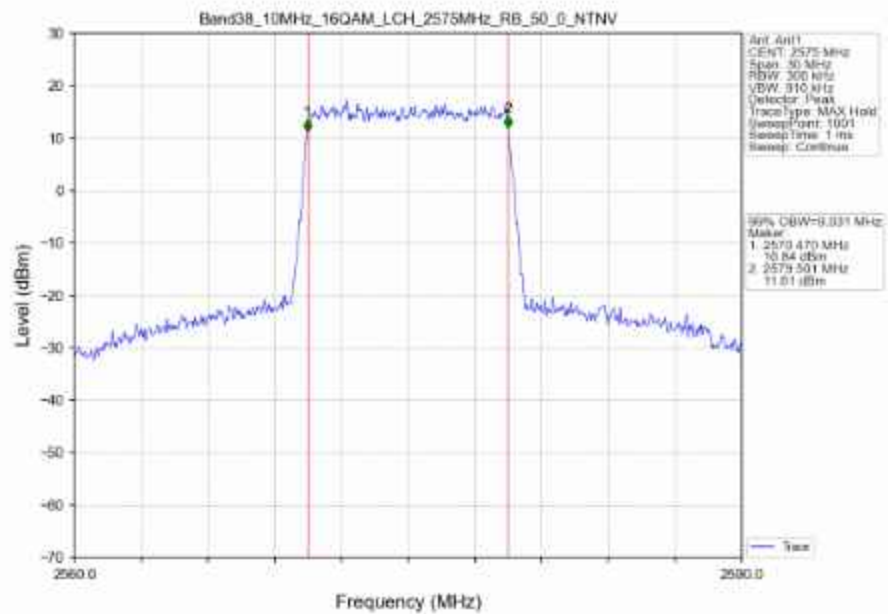
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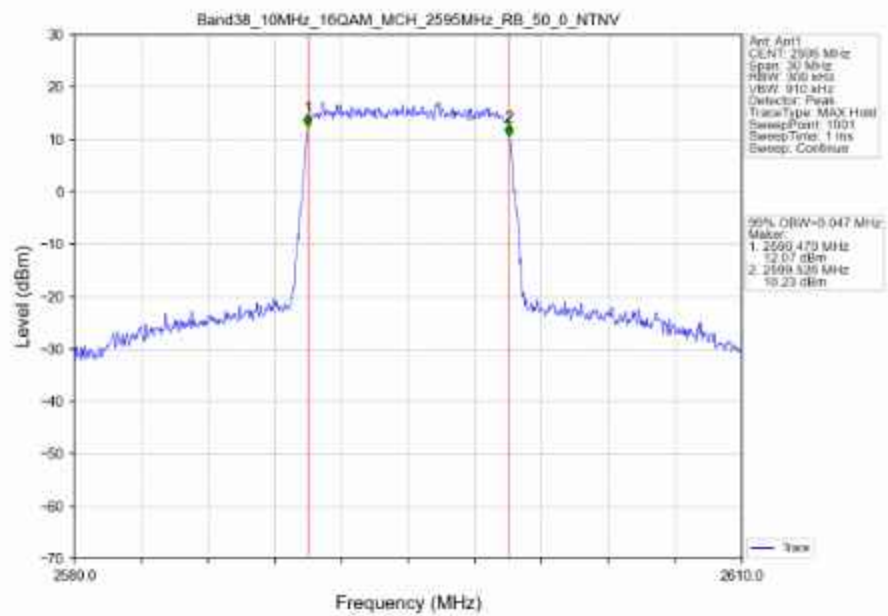
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



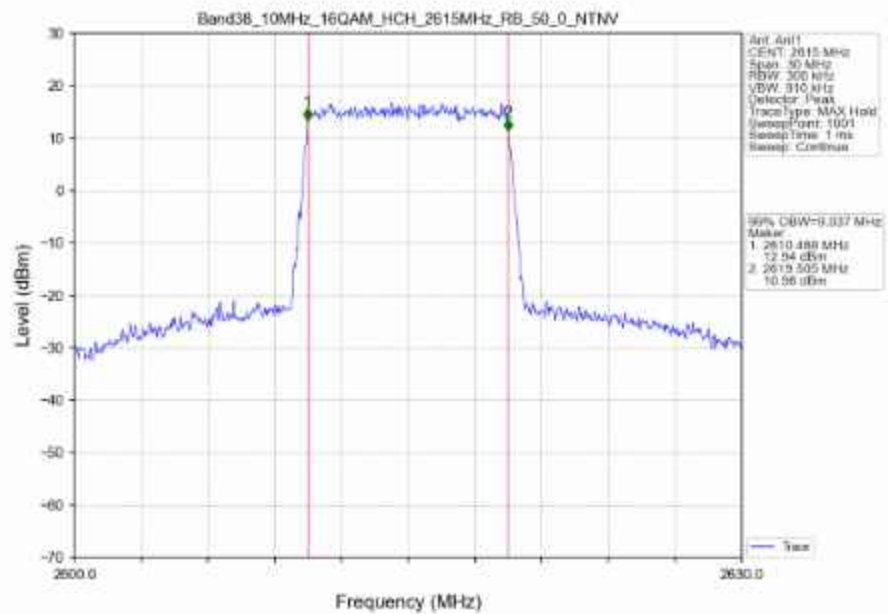
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



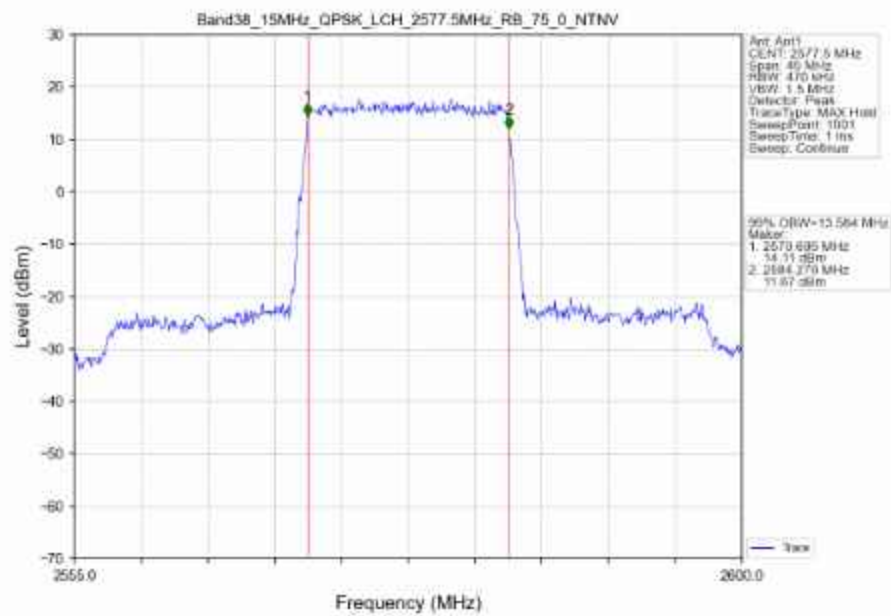
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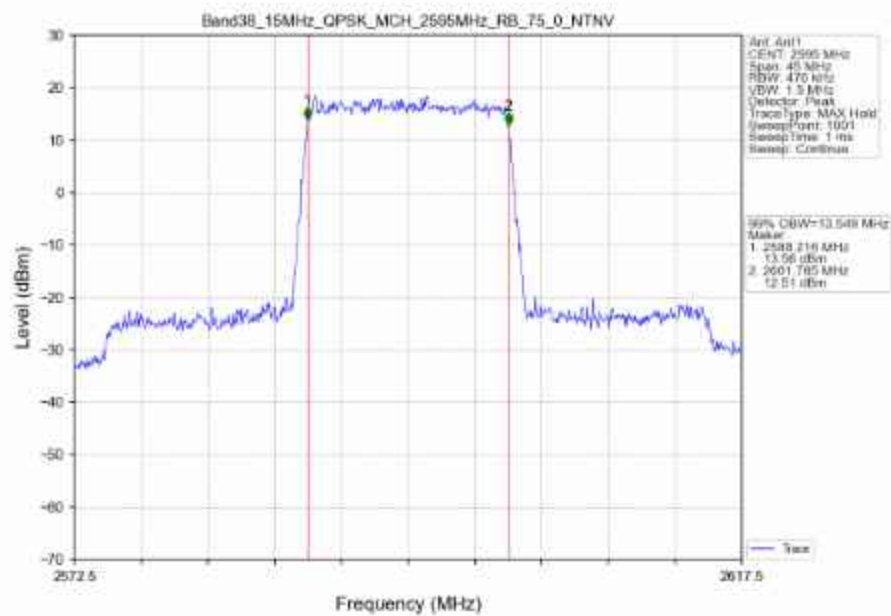
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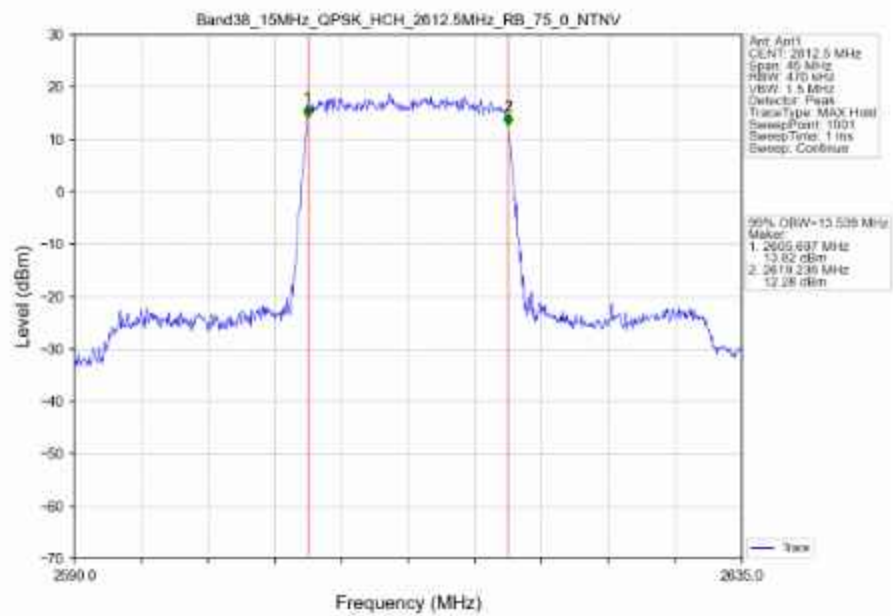
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



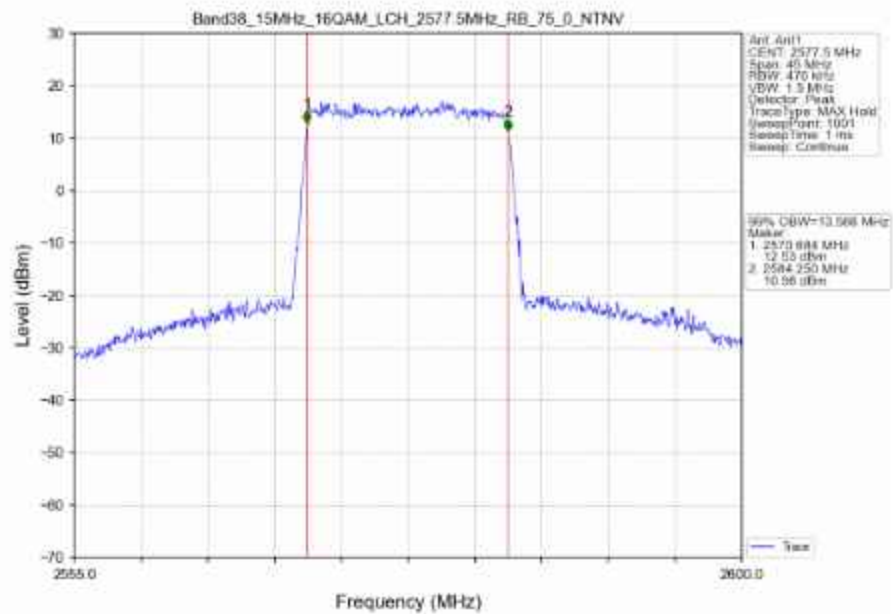
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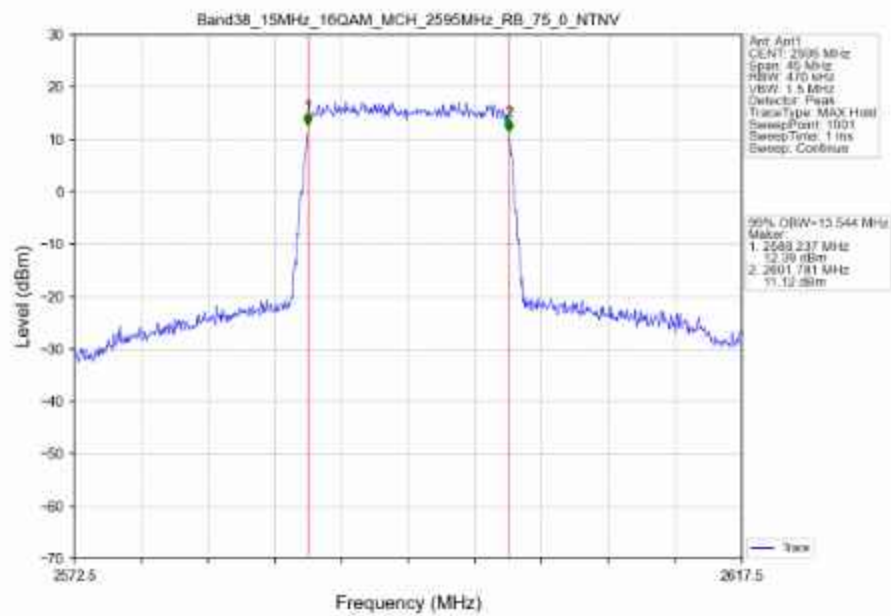
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



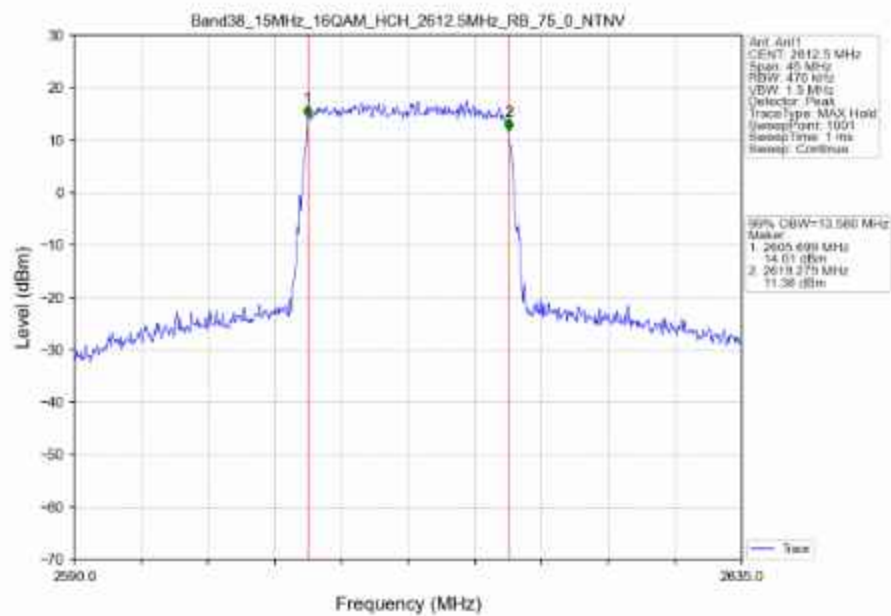
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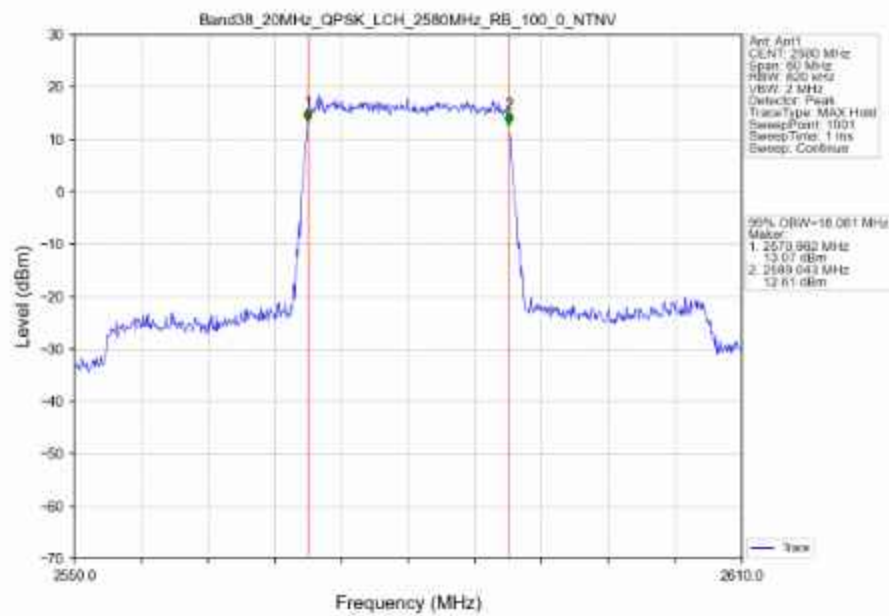
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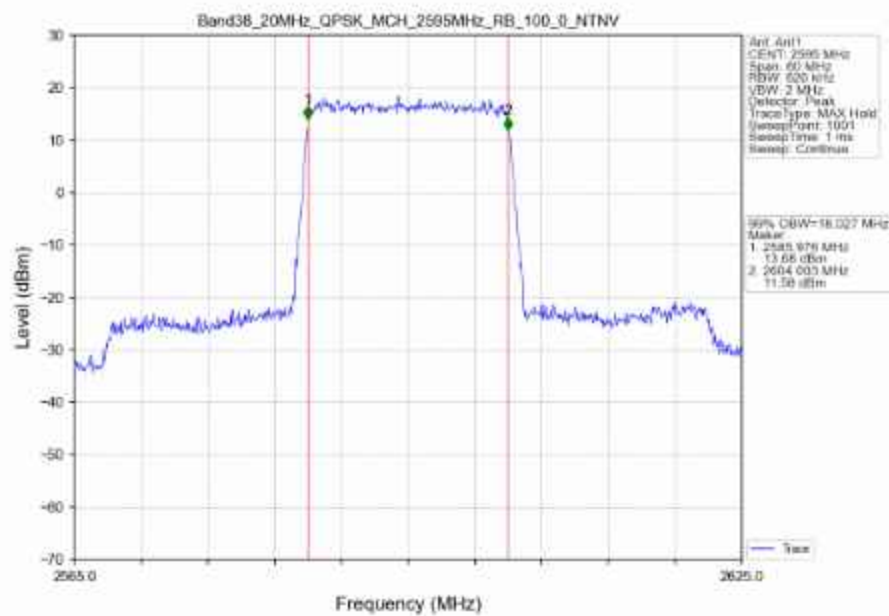
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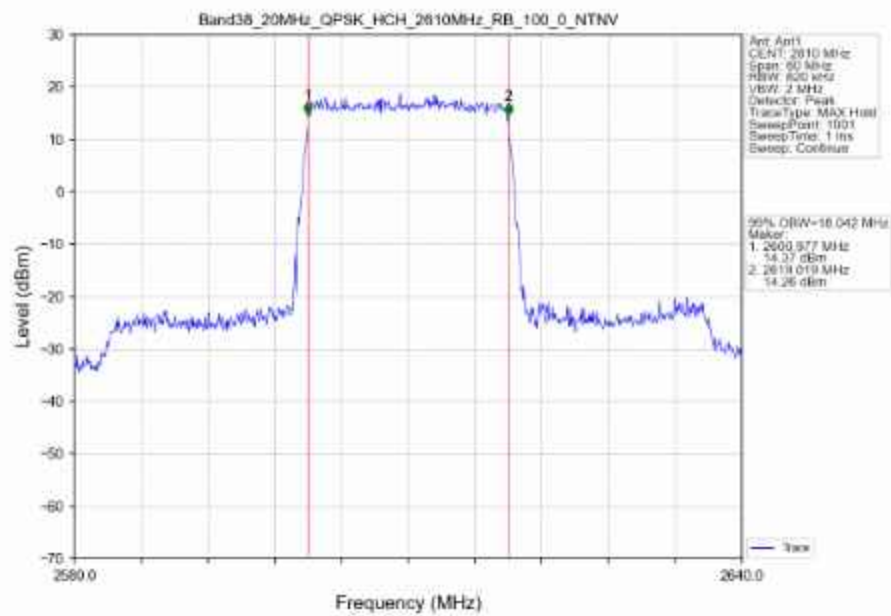
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



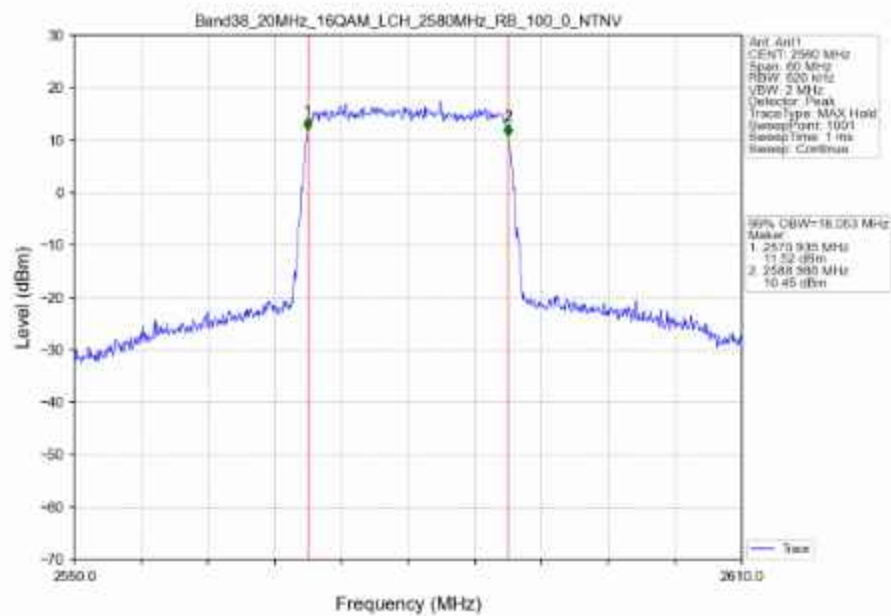
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



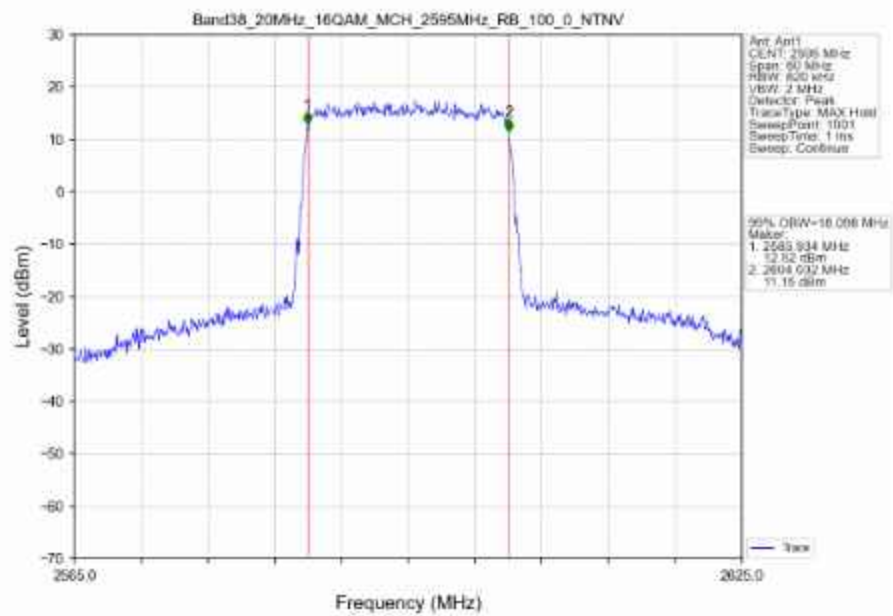
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



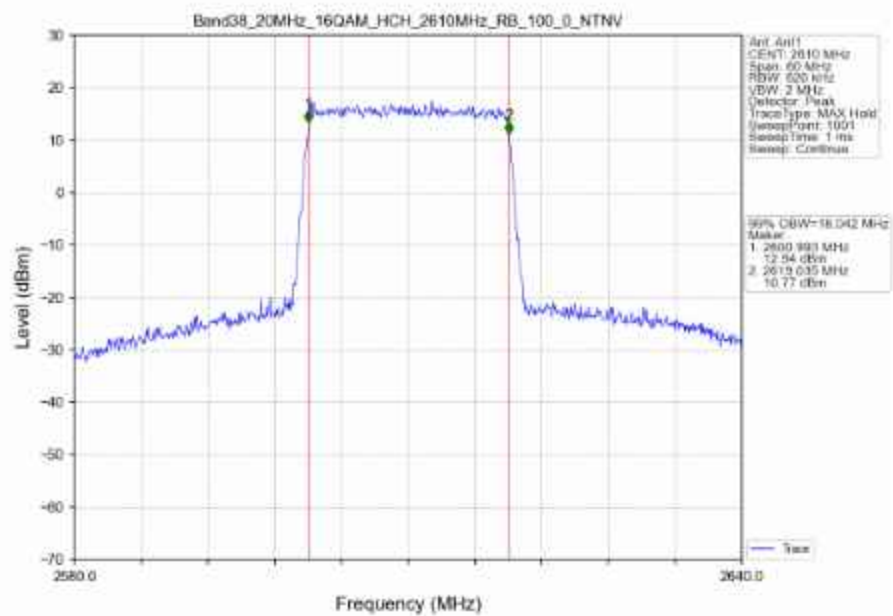
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



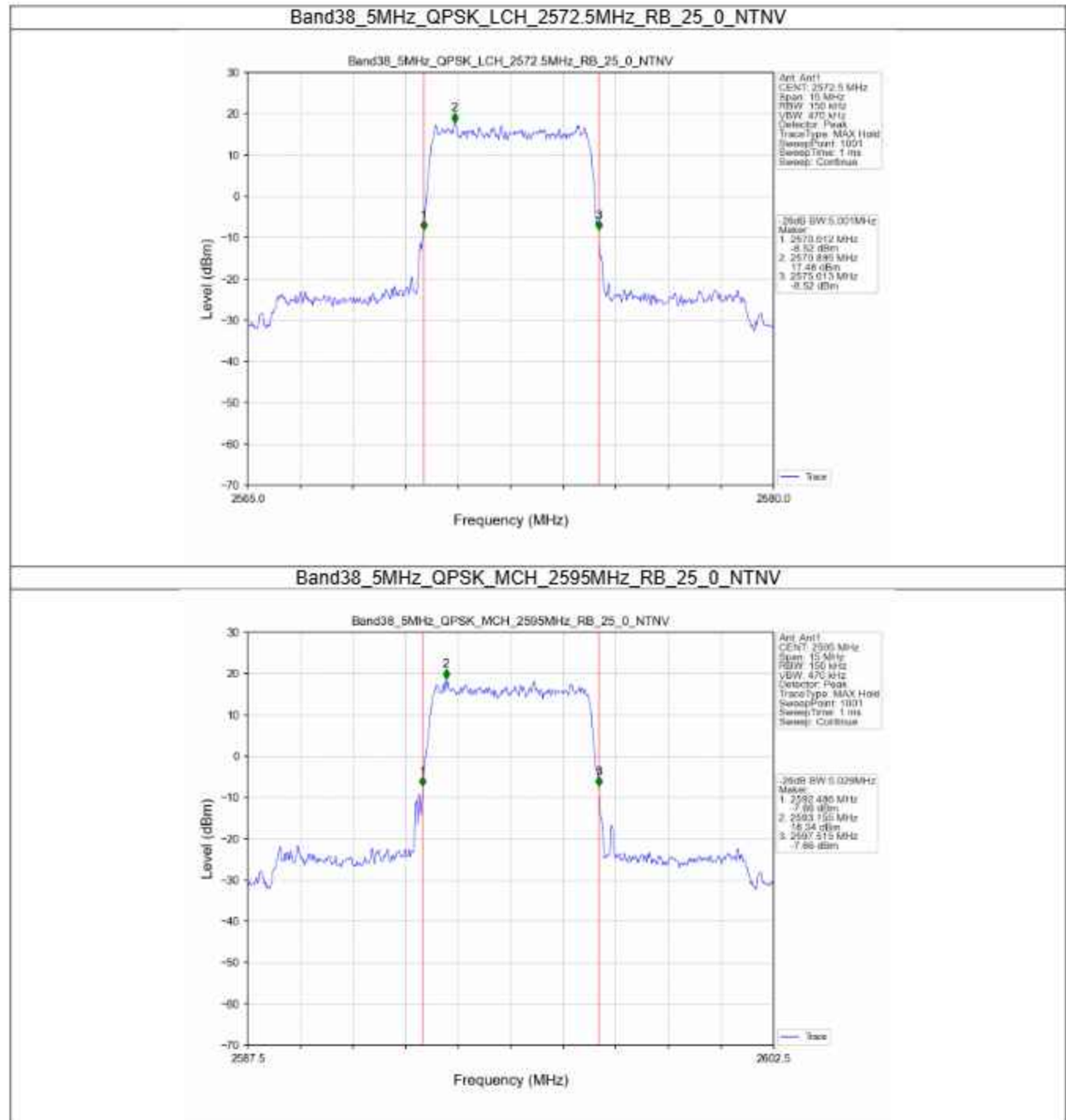
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



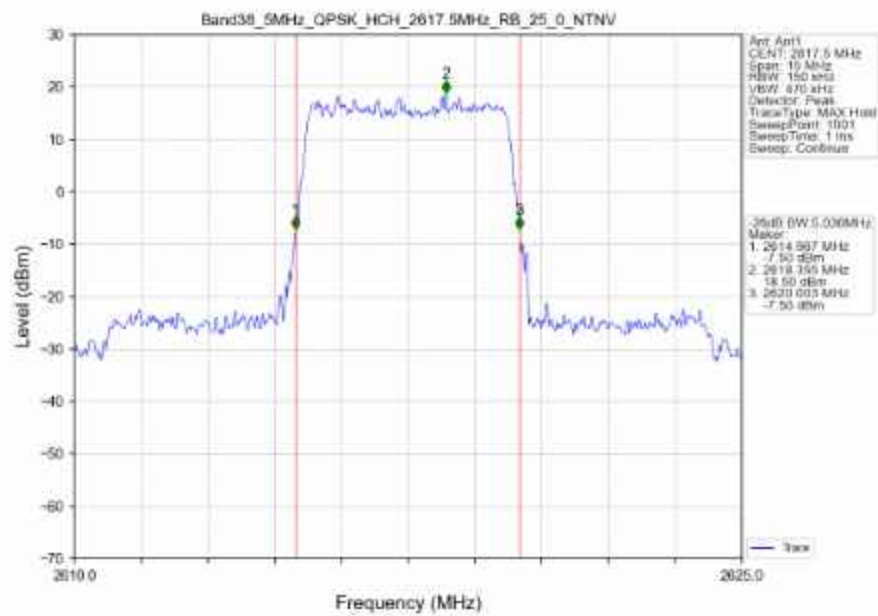
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



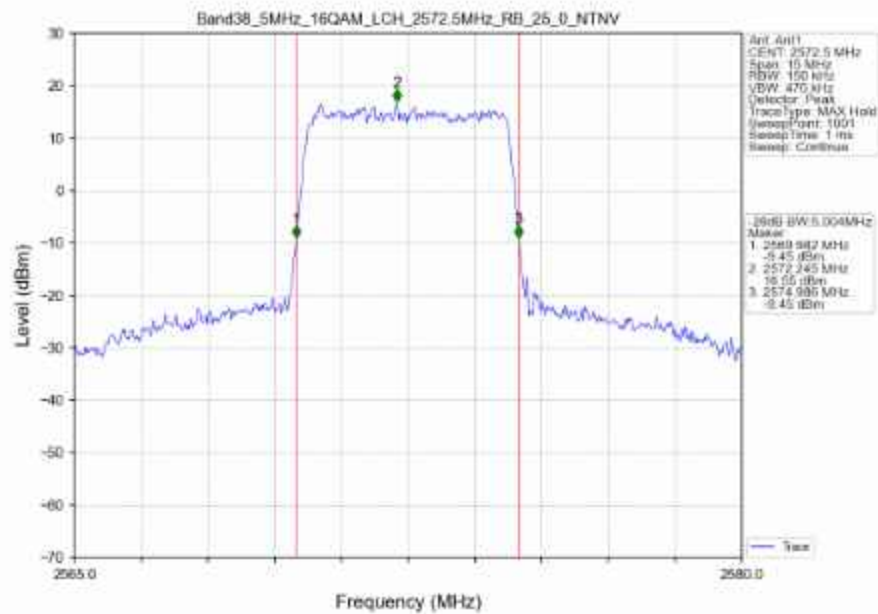
3.2.2 Band38_XDB



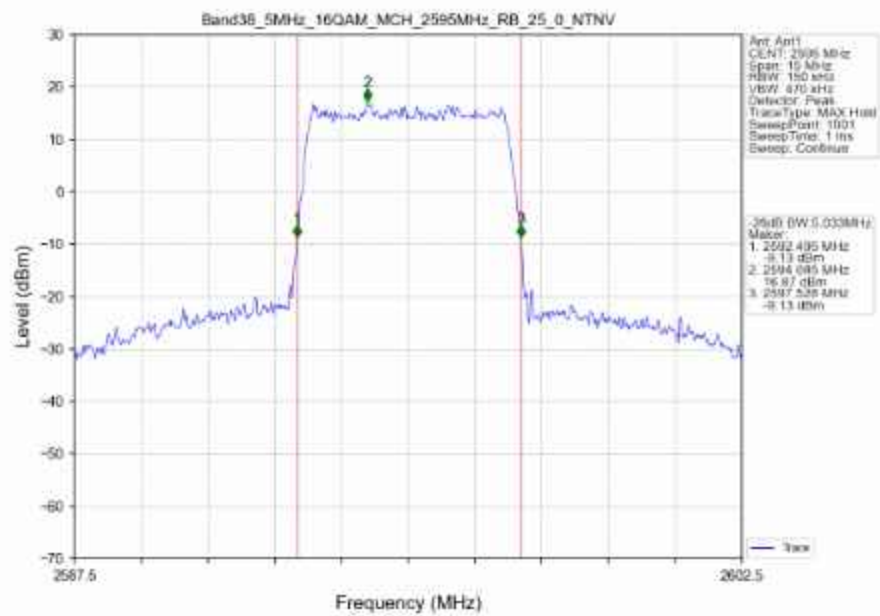
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



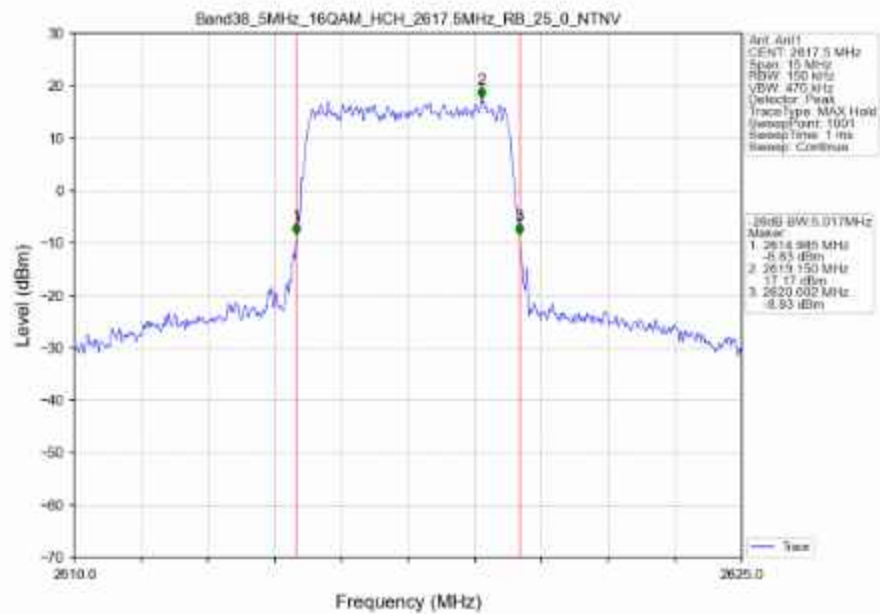
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



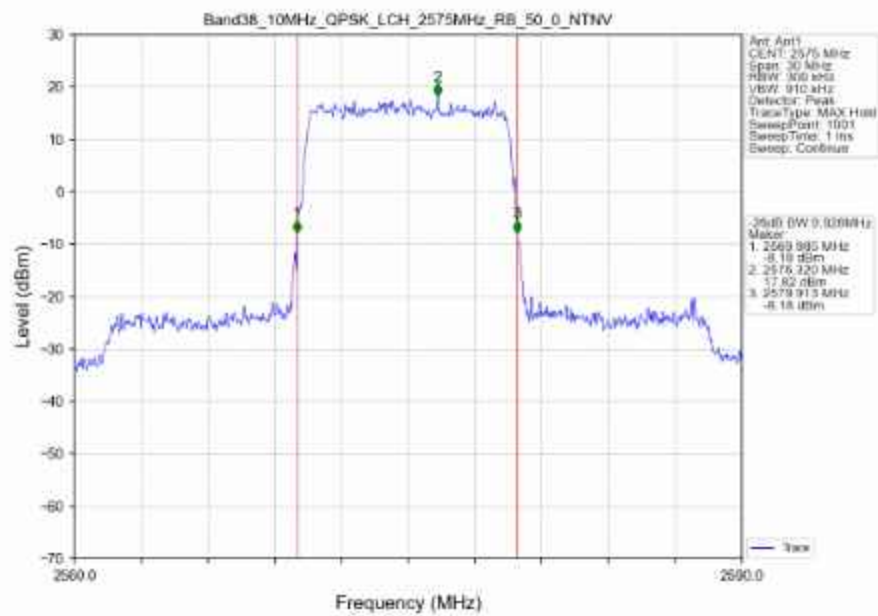
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



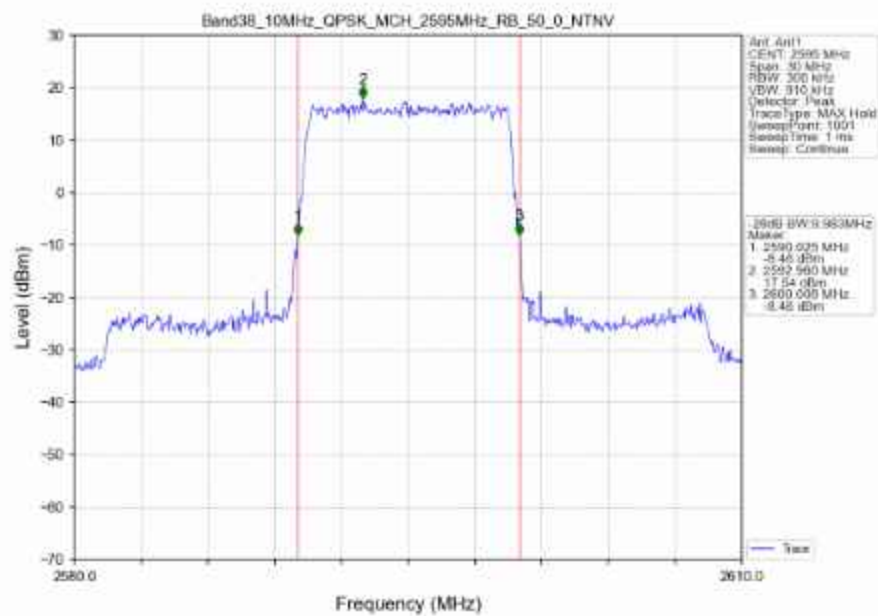
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



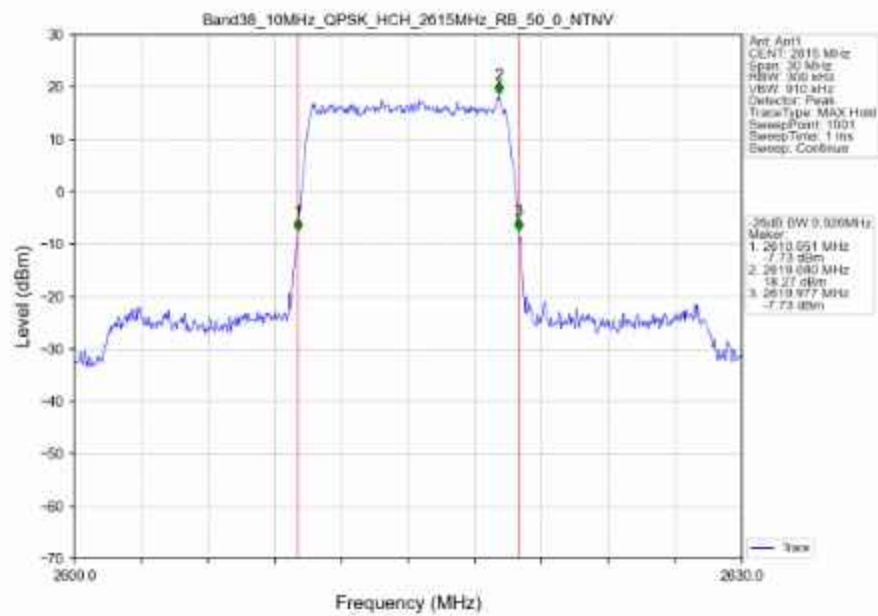
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



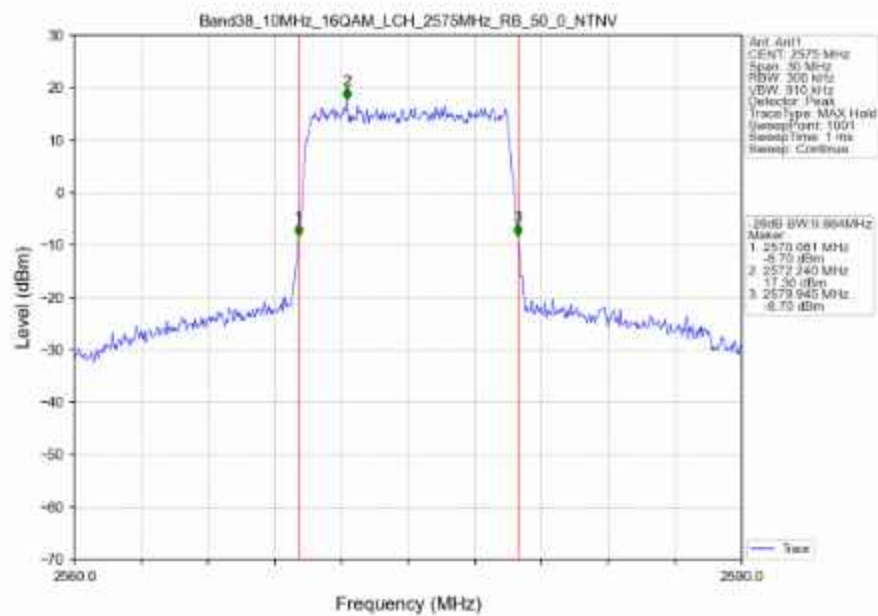
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



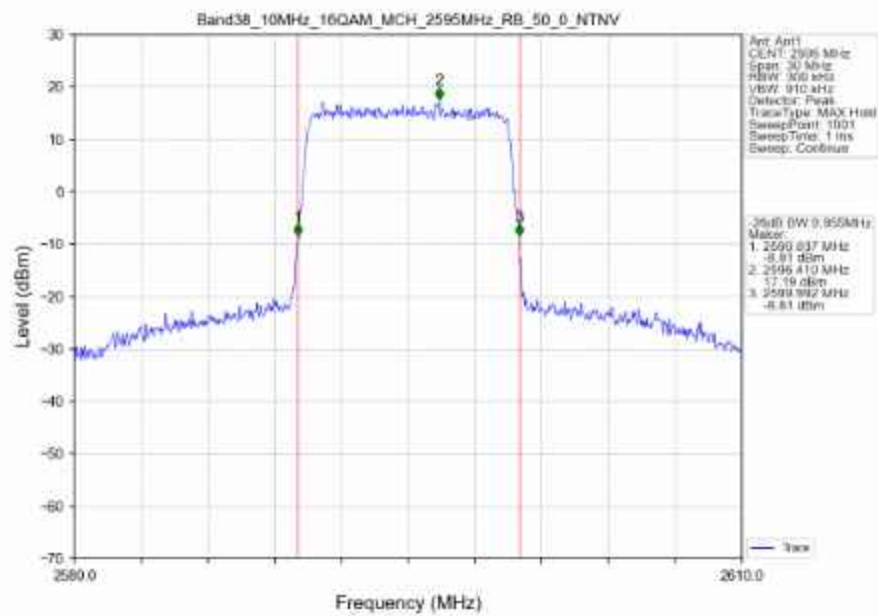
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



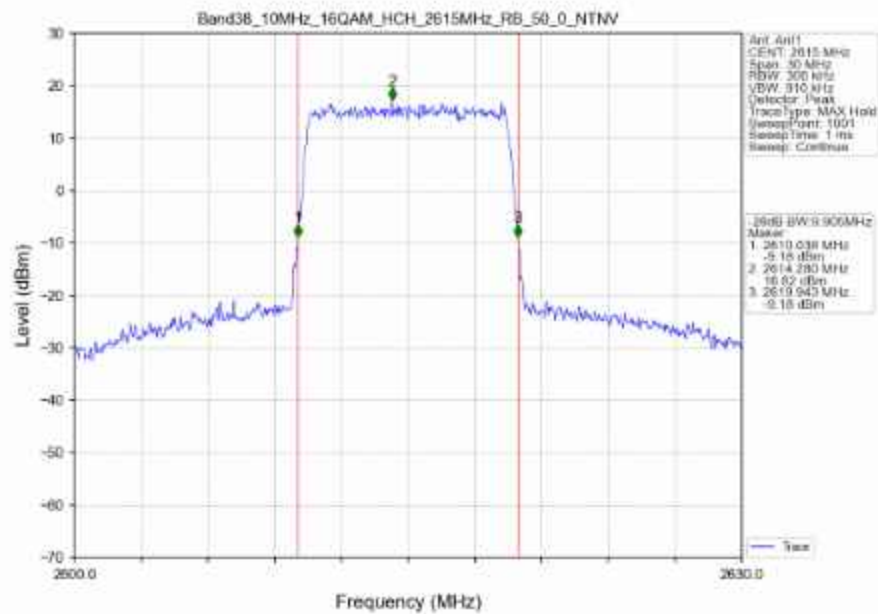
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



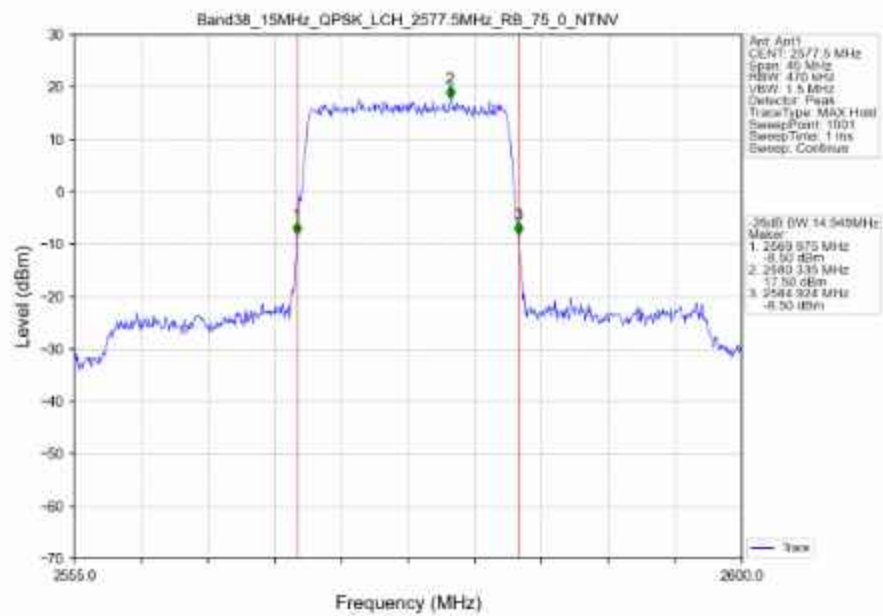
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



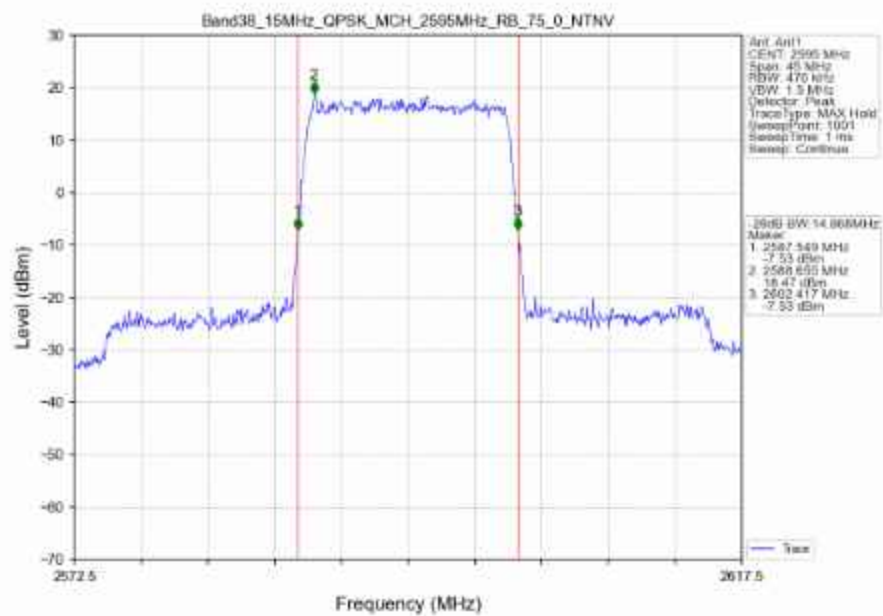
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



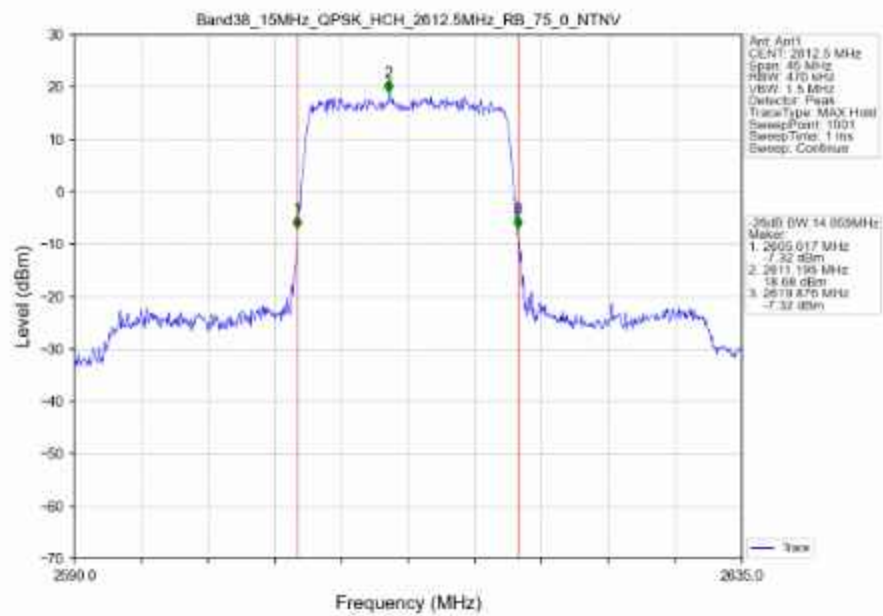
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



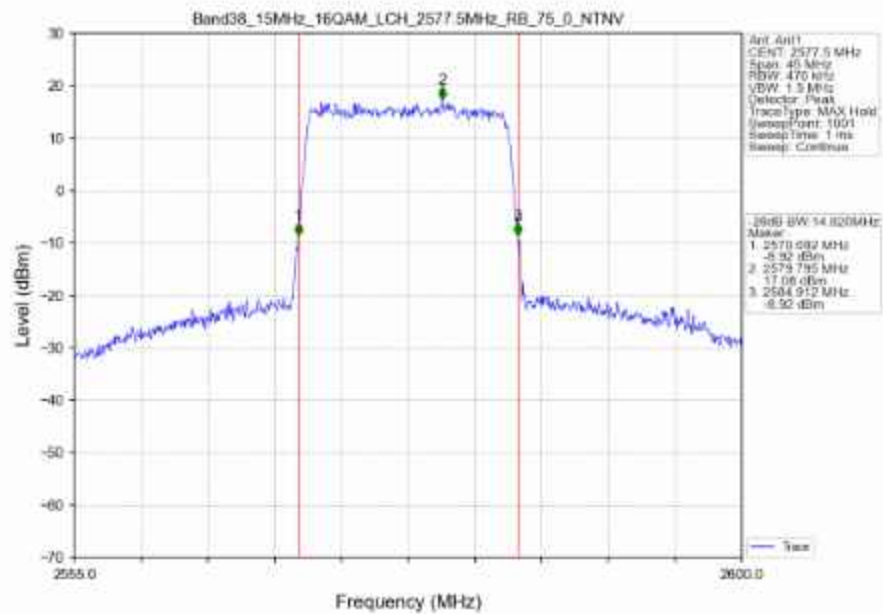
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



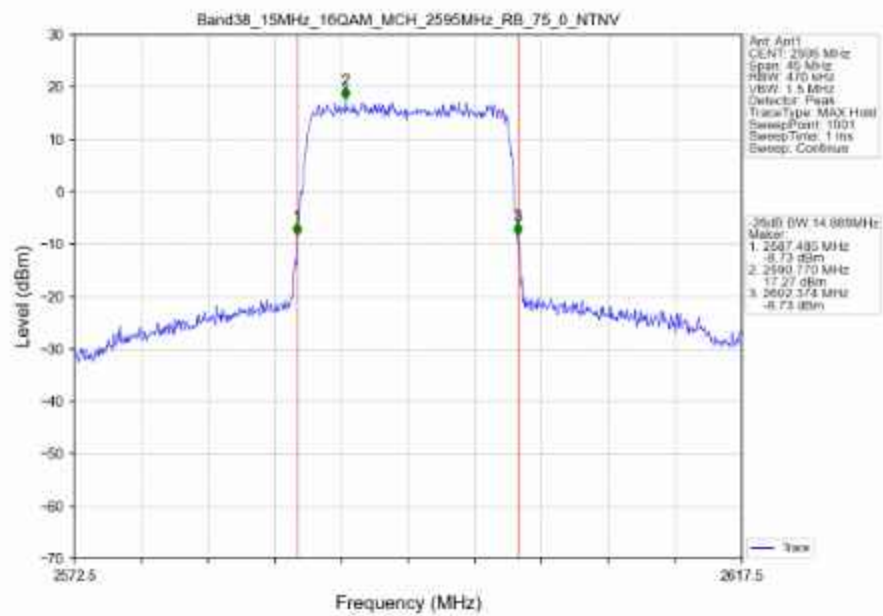
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



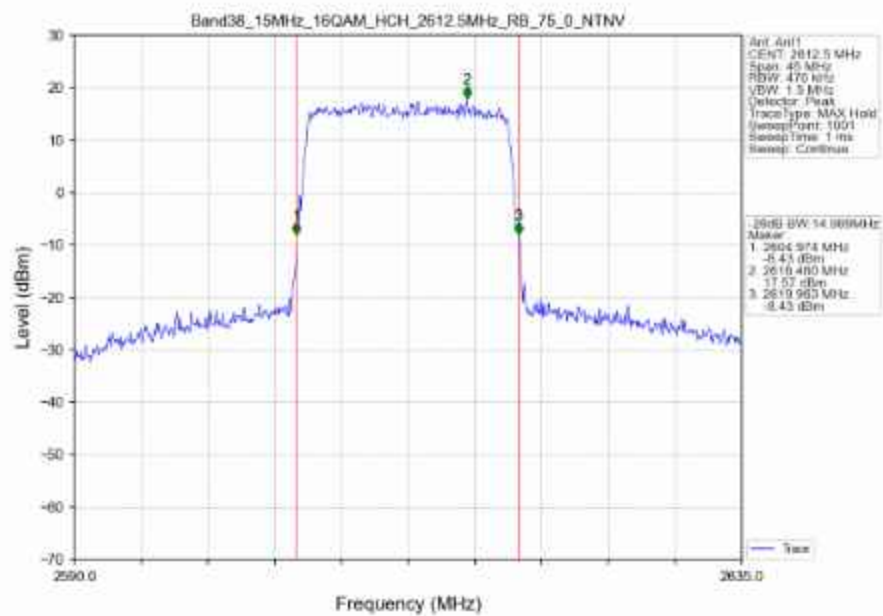
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



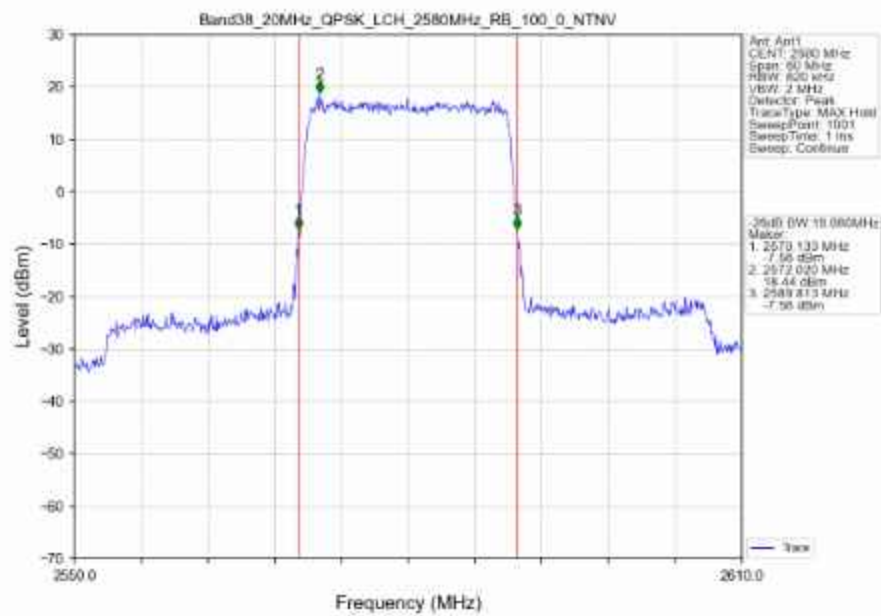
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



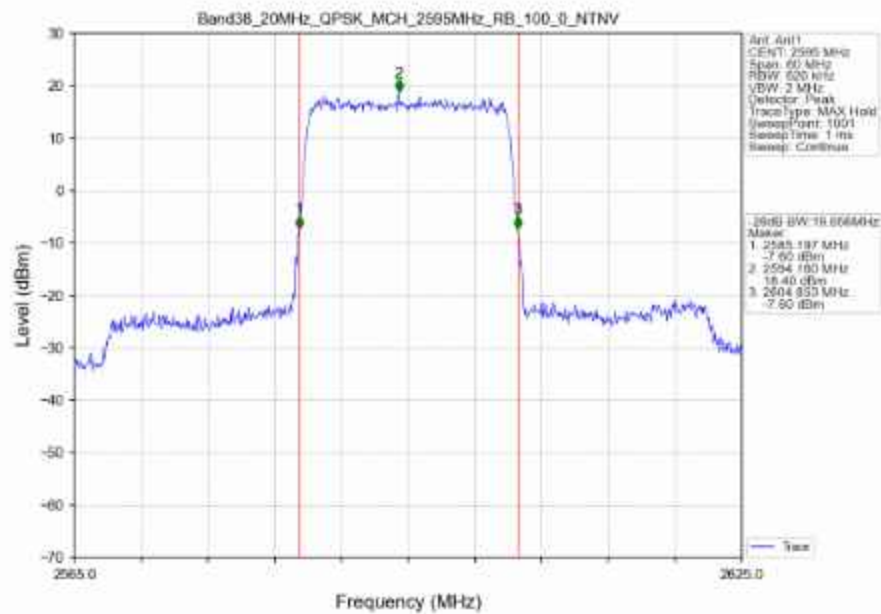
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



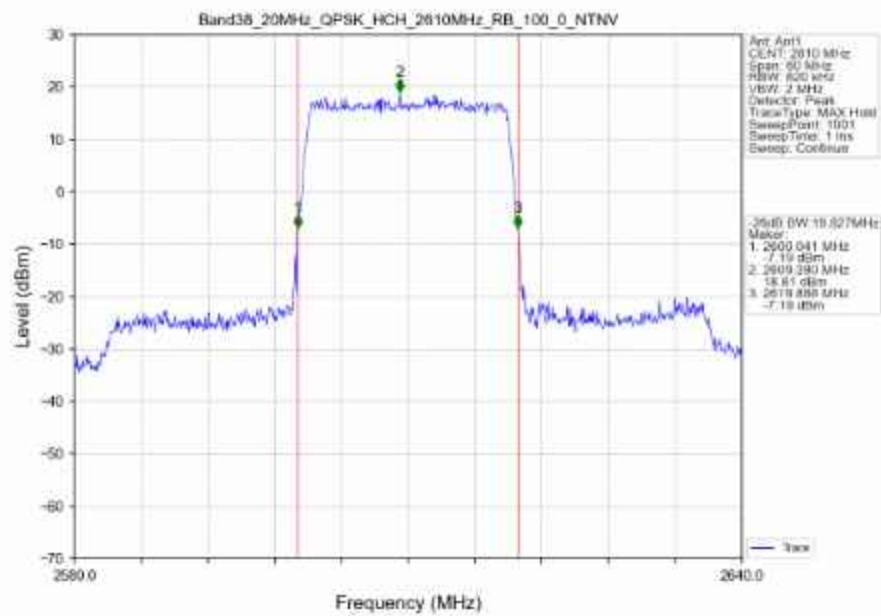
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



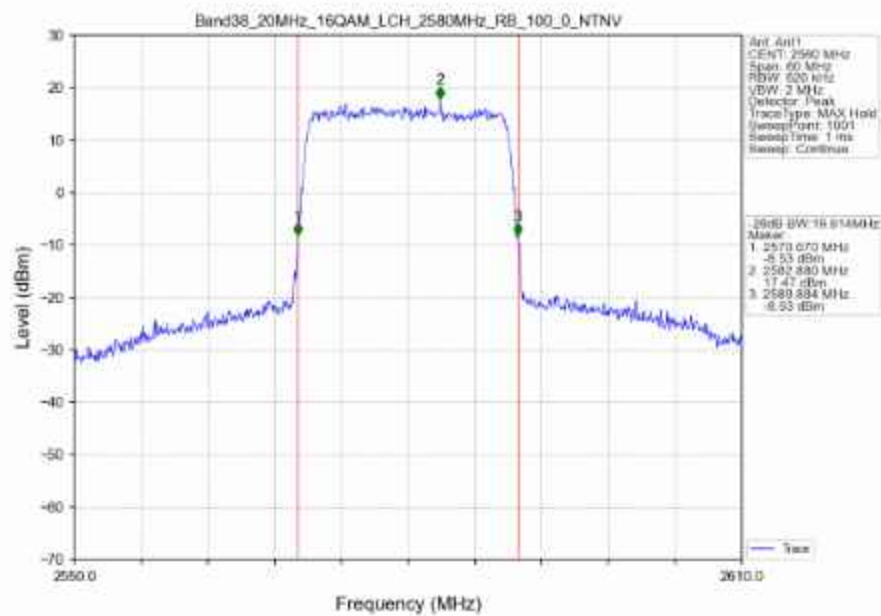
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



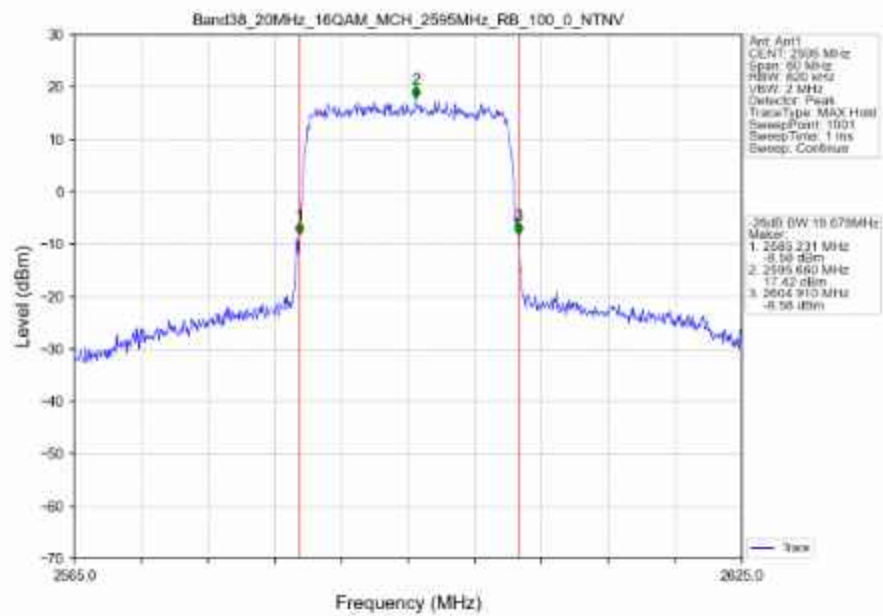
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



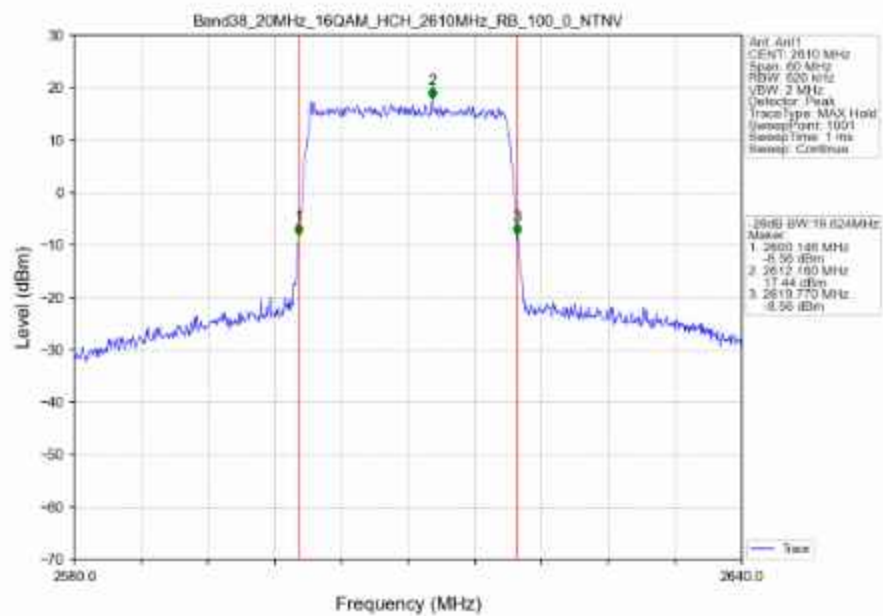
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 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	7.39	<=13	Pass
	2595	25	0	7.53	<=13	Pass
	2617.5	25	0	7.56	<=13	Pass
16QAM	2572.5	25	0	8.33	<=13	Pass
	2595	25	0	8.30	<=13	Pass
	2617.5	25	0	8.41	<=13	Pass

4.1.2 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	7.19	<=13	Pass
	2595	50	0	7.68	<=13	Pass
	2615	50	0	7.76	<=13	Pass
16QAM	2575	50	0	8.25	<=13	Pass
	2595	50	0	8.33	<=13	Pass
	2615	50	0	8.34	<=13	Pass

4.1.3 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	7.73	<=13	Pass
	2595	75	0	7.73	<=13	Pass
	2612.5	75	0	7.73	<=13	Pass
16QAM	2577.5	75	0	8.45	<=13	Pass
	2595	75	0	8.44	<=13	Pass
	2612.5	75	0	8.33	<=13	Pass

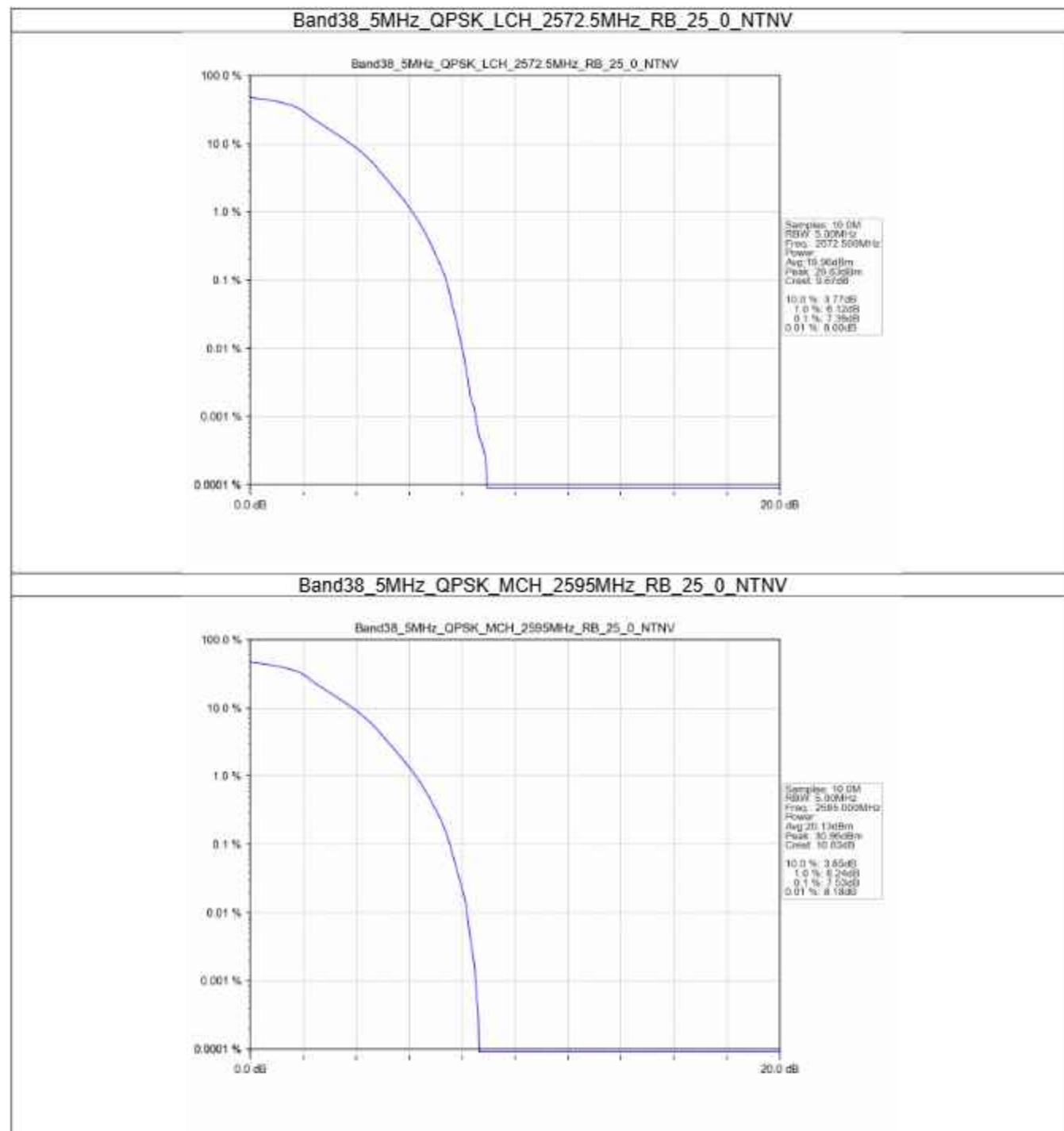
4.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.59	<=13	Pass
	2595	100	0	7.39	<=13	Pass
	2610	100	0	7.28	<=13	Pass

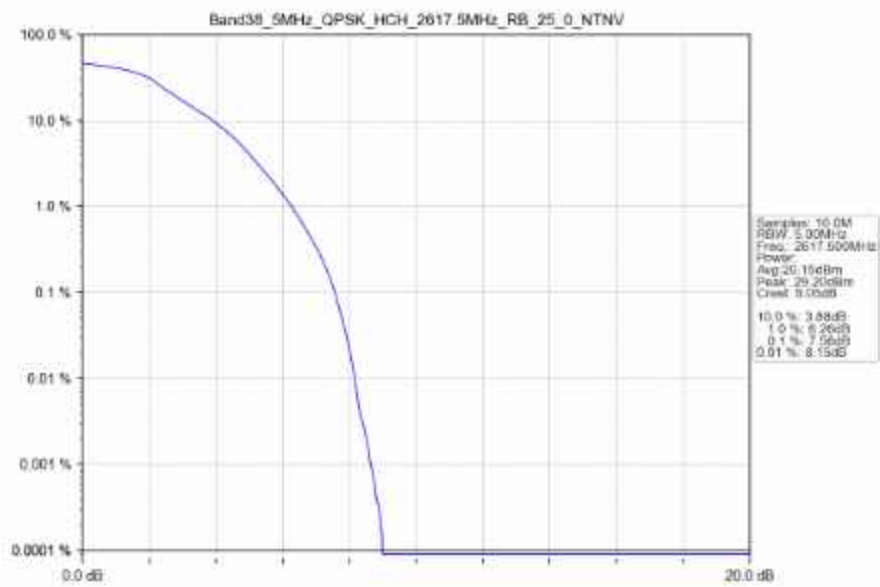
16QAM	2580	100	0	8.18	≤ 13	Pass
	2595	100	0	8.25	≤ 13	Pass
	2610	100	0	8.29	≤ 13	Pass

4.2 Test Graph

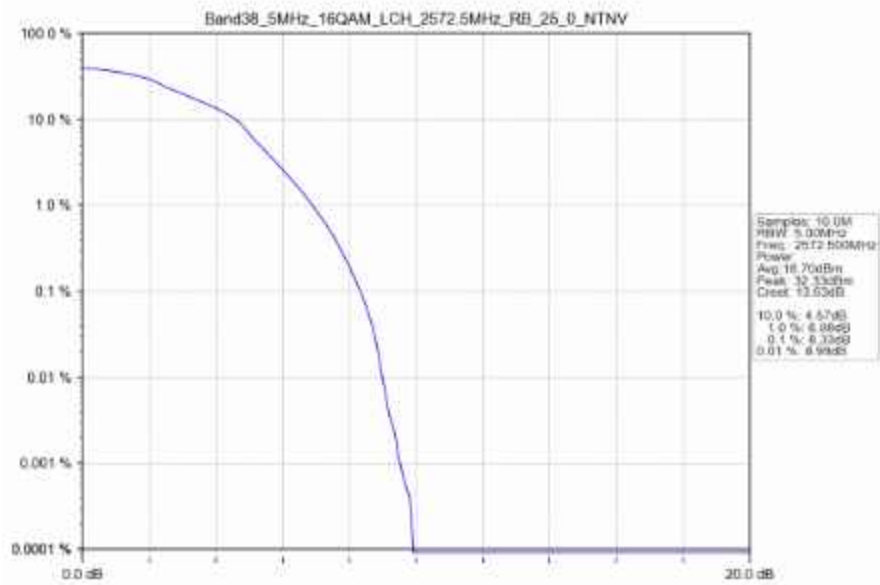
4.2.1 B38_5MHz



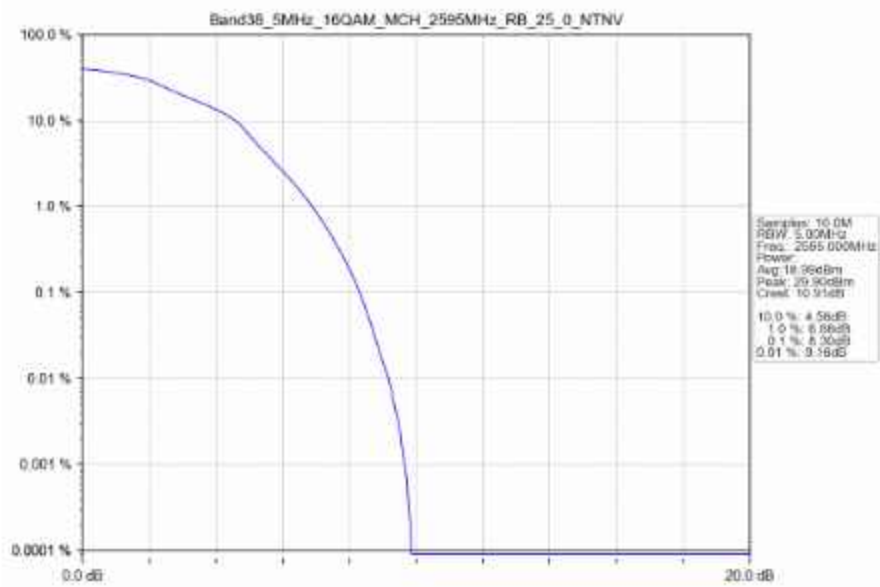
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



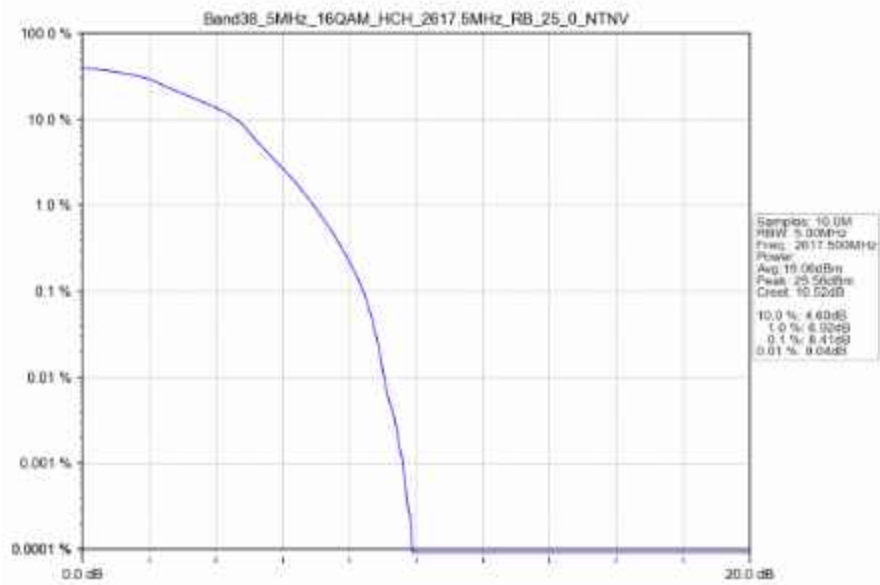
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



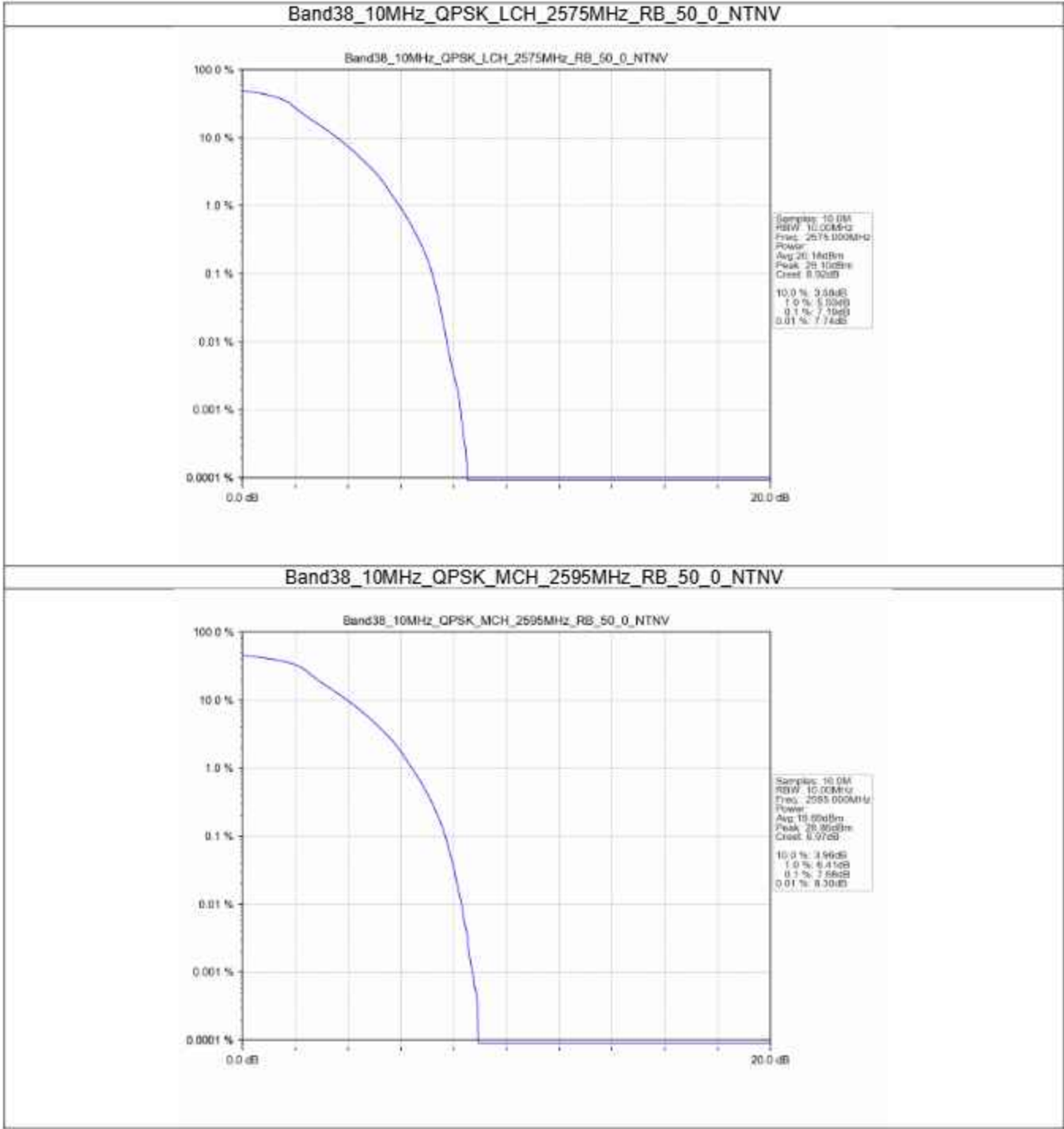
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



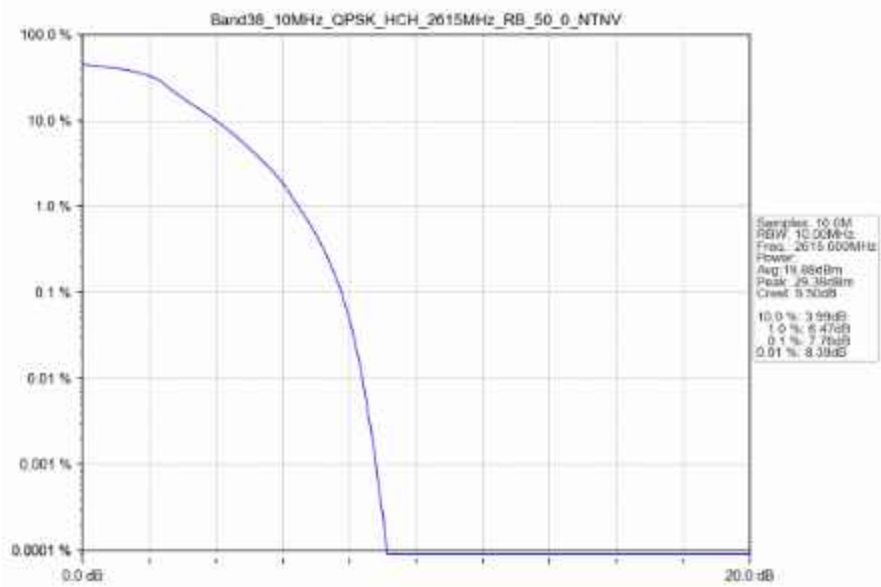
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



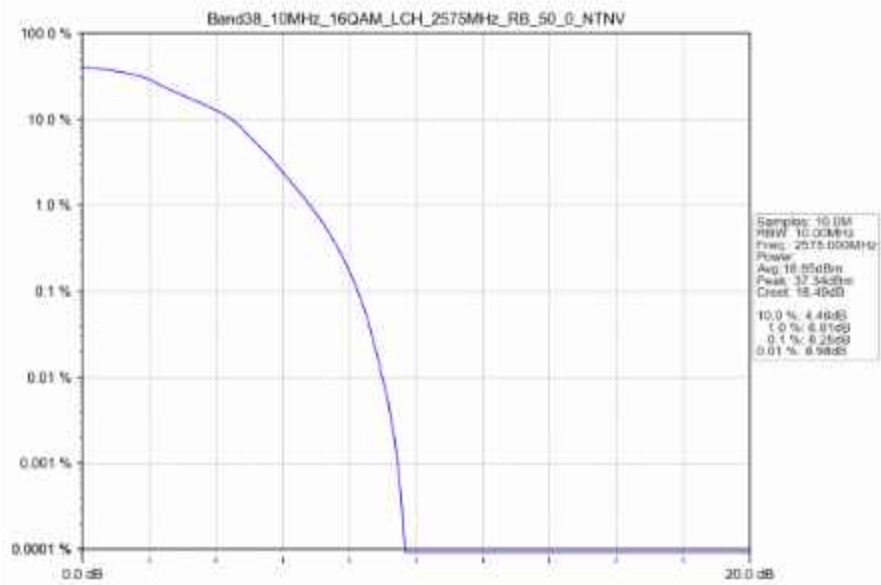
4.2.2 B38_10MHz



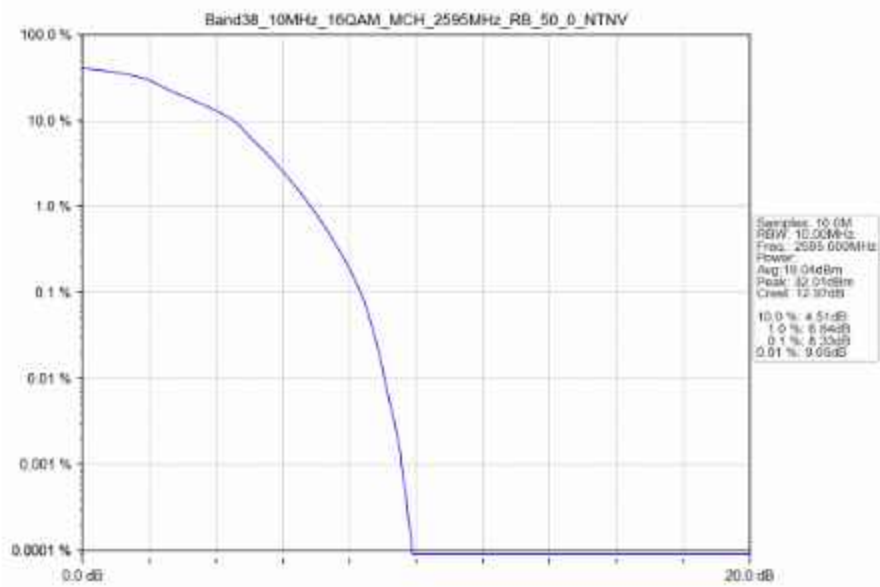
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



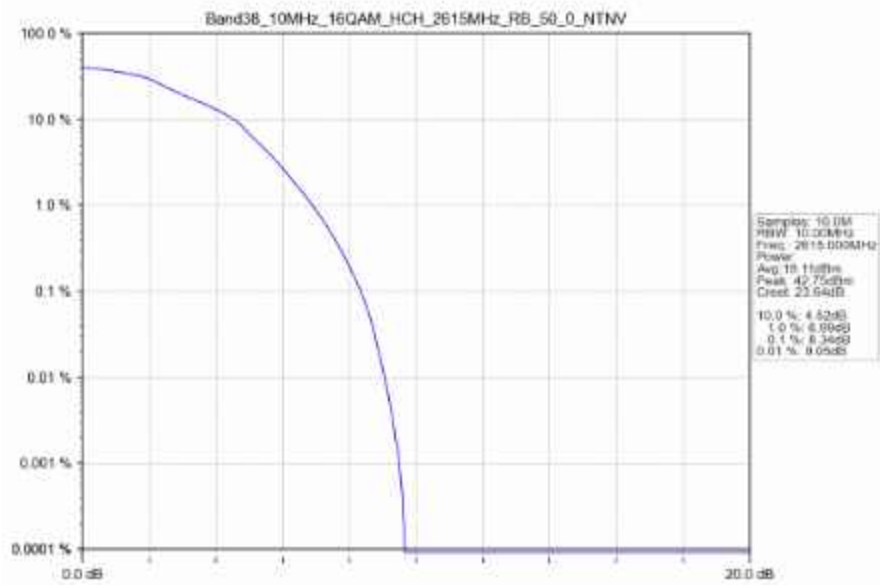
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



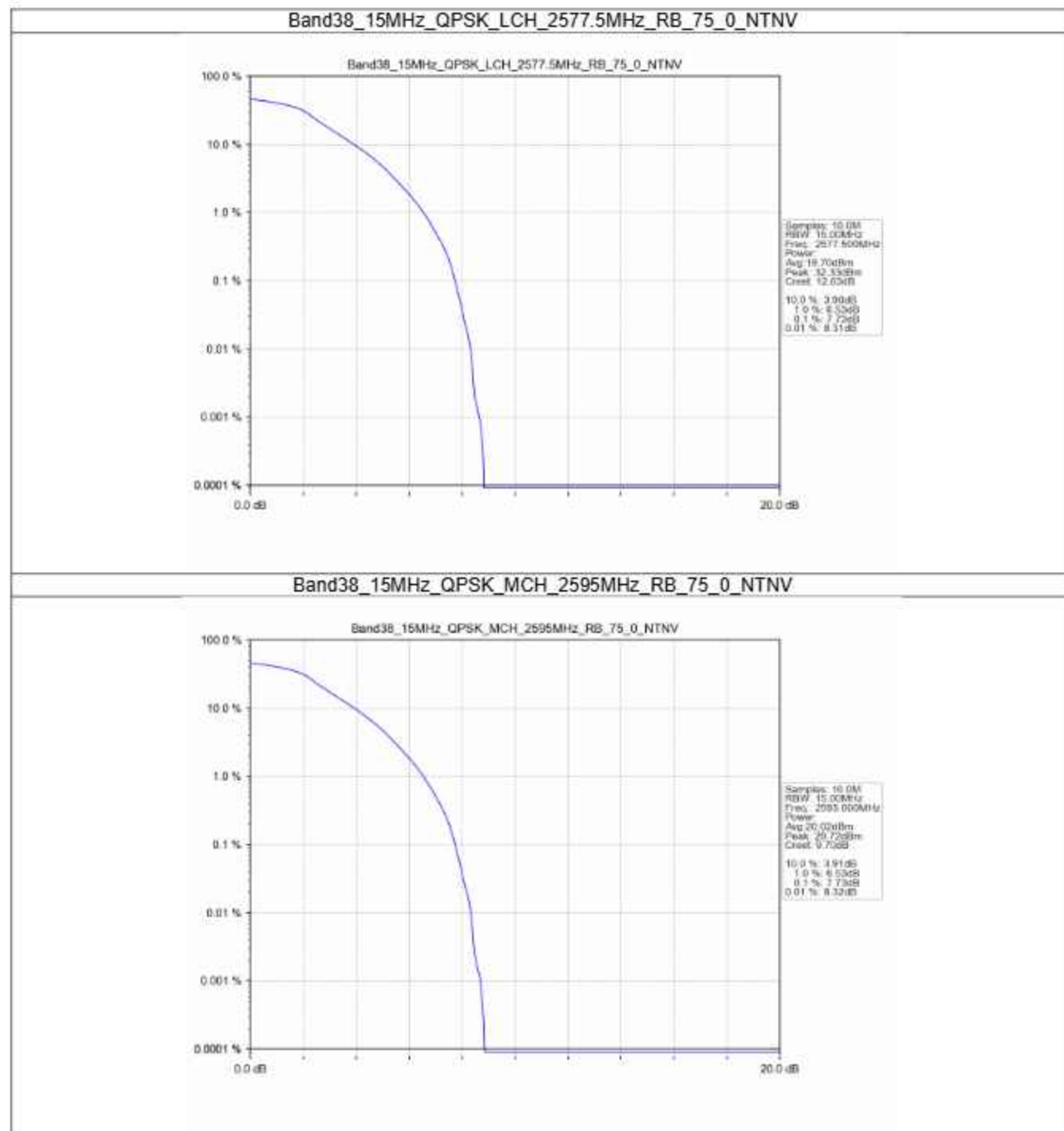
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



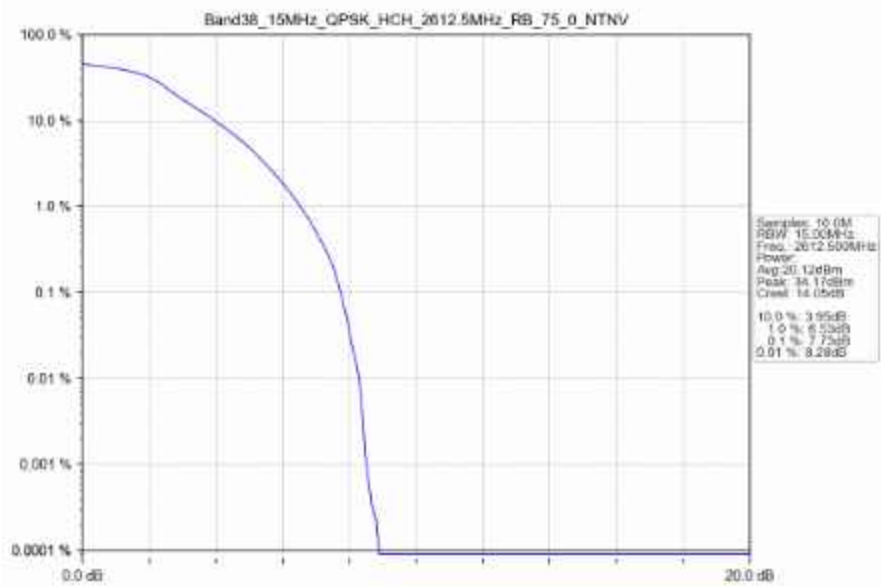
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



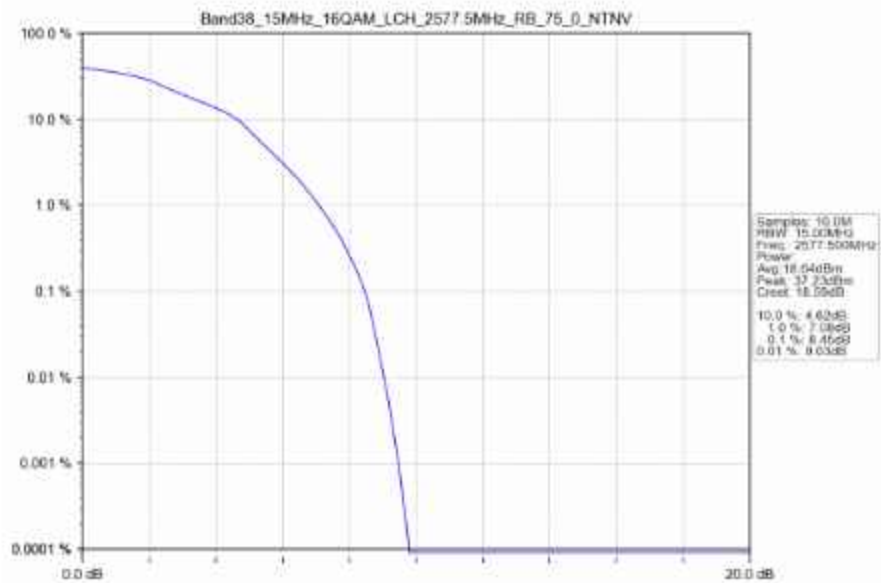
4.2.3 B38_15MHz



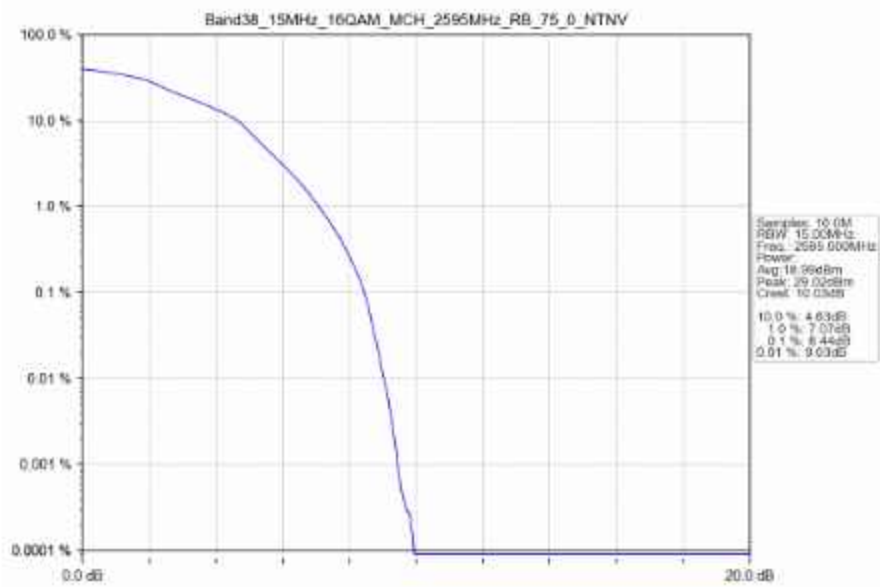
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



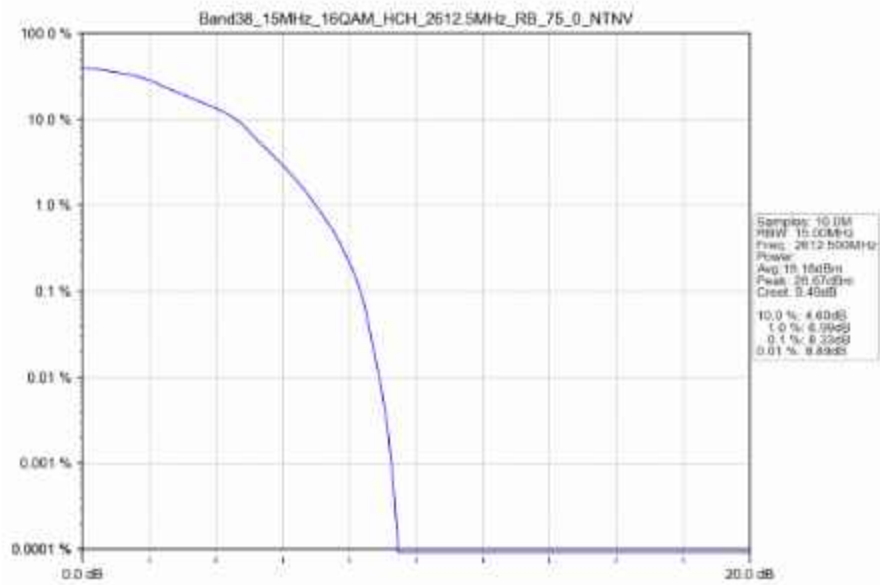
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



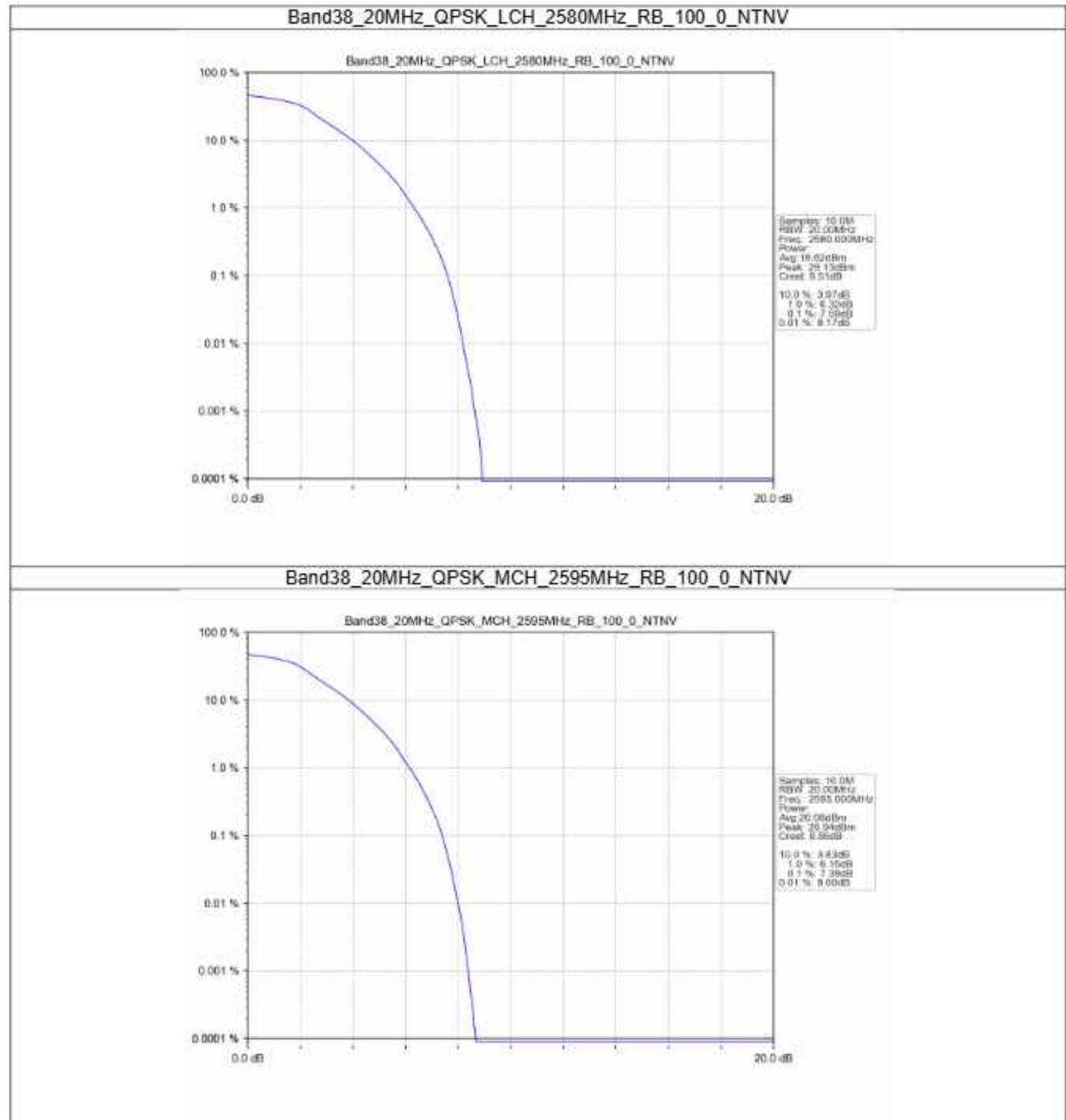
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



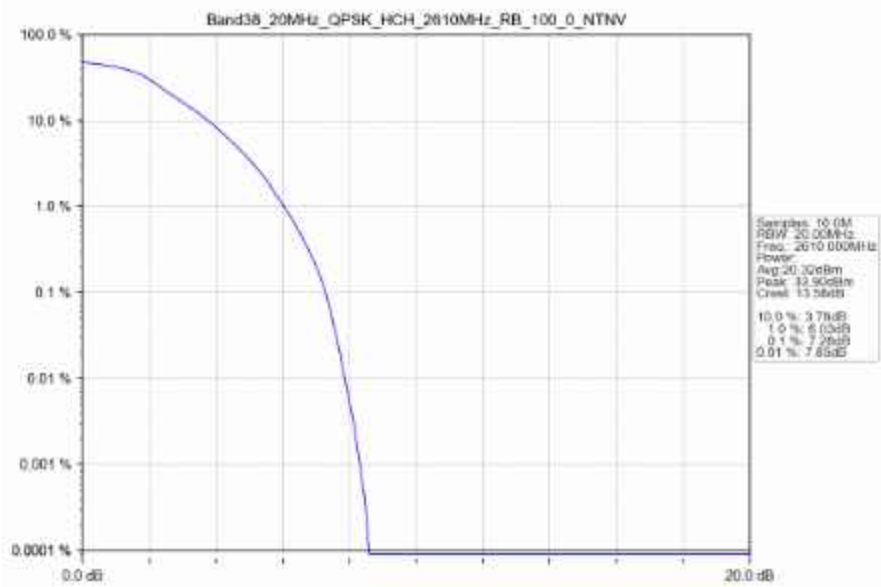
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



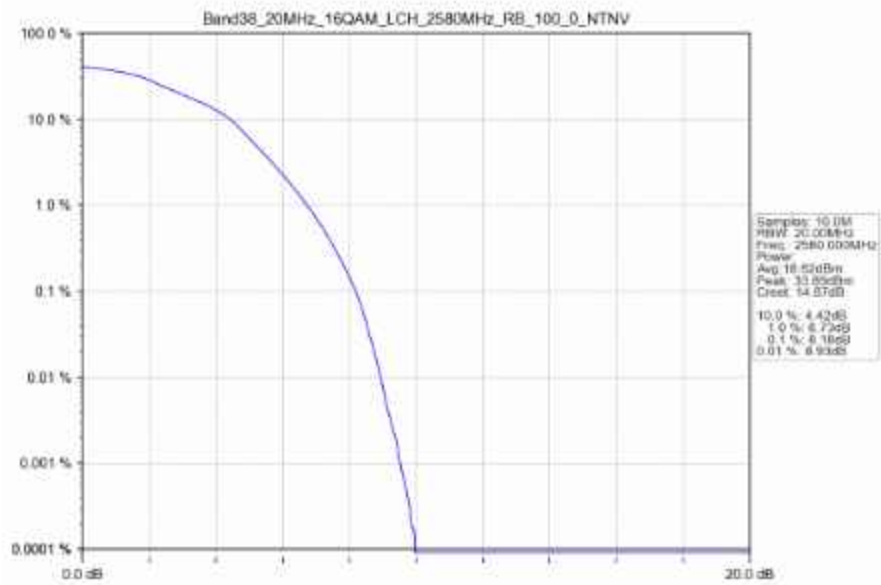
4.2.4 B38_20MHz



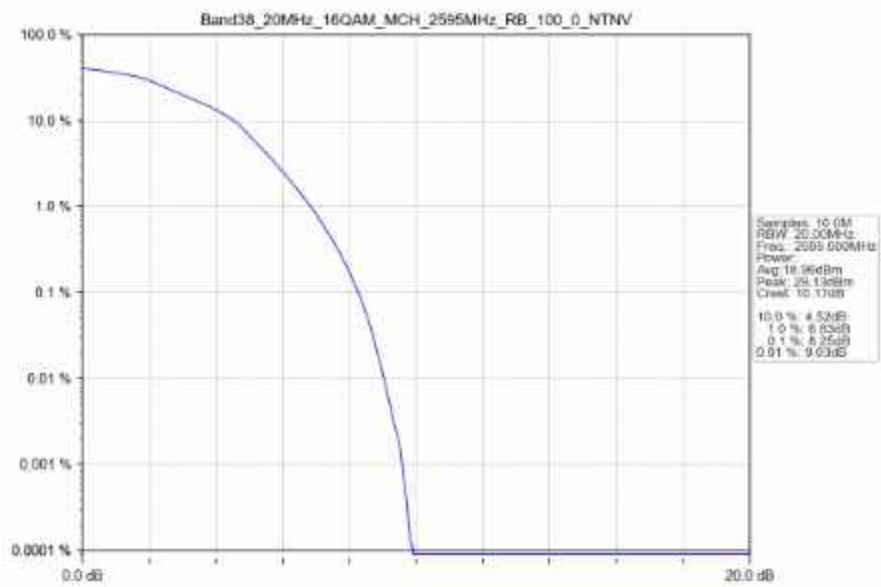
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



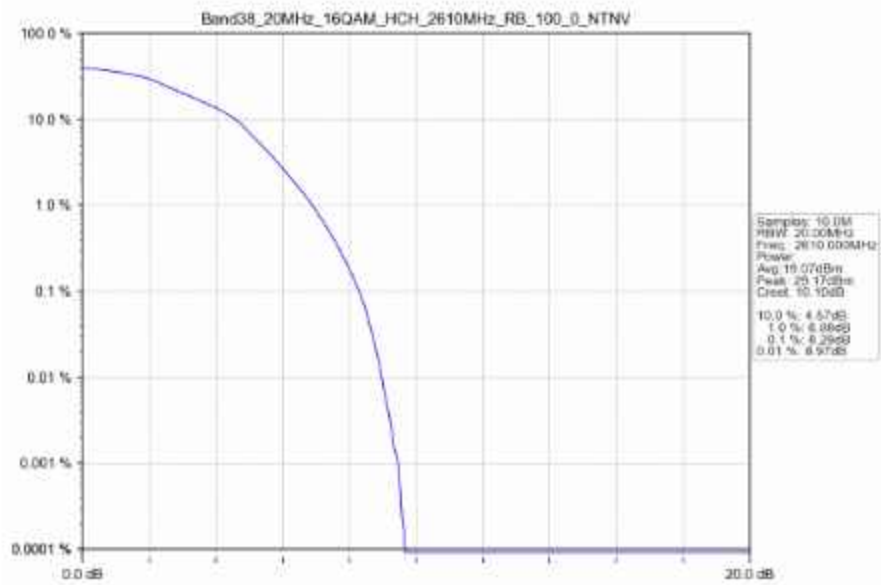
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
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
		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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTV						
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
		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
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTV						
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
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

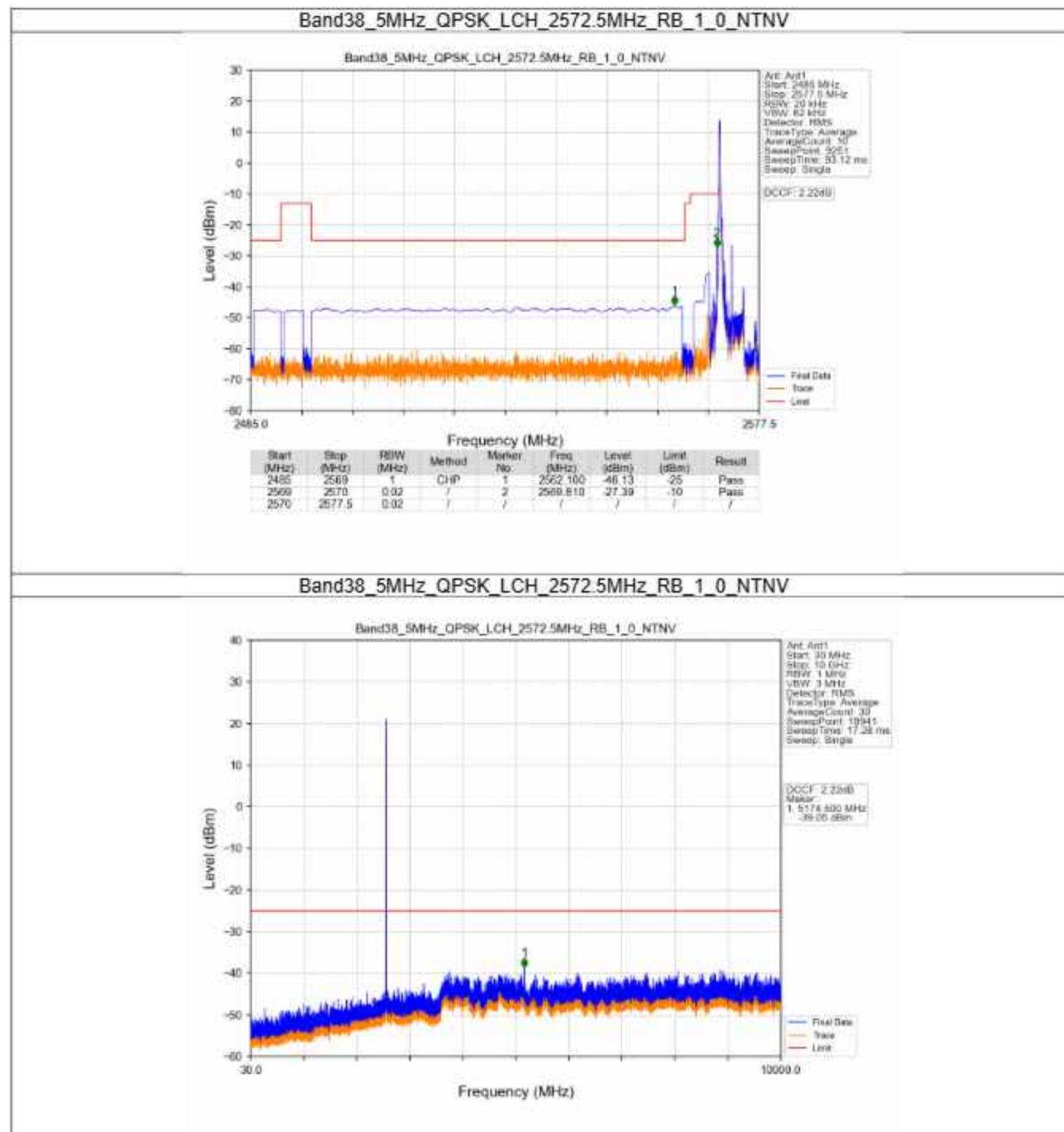
		75	0	Refer To Test Graph	Pass
16QAM	2577.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2612.5		0	Refer To Test Graph	Pass
		1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

5.1.4 B38_20MHz

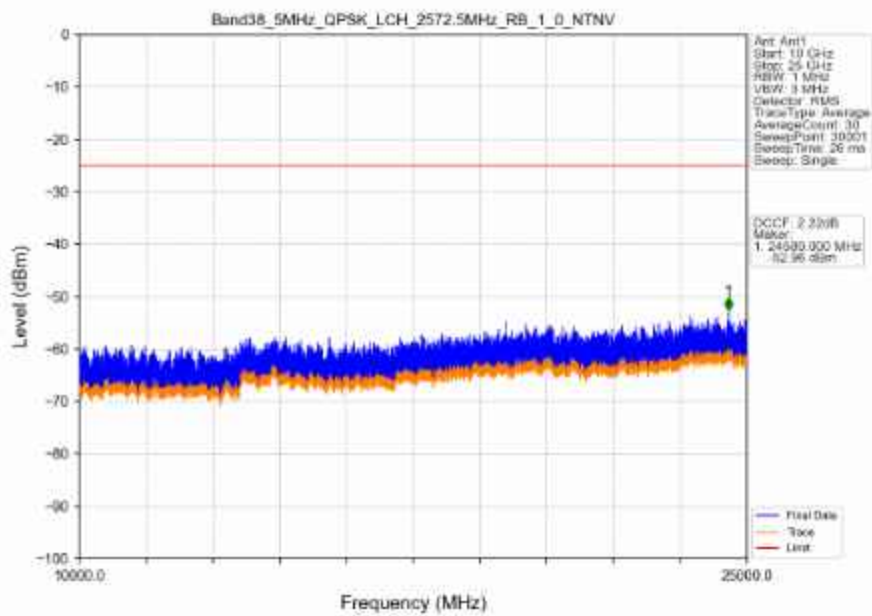
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

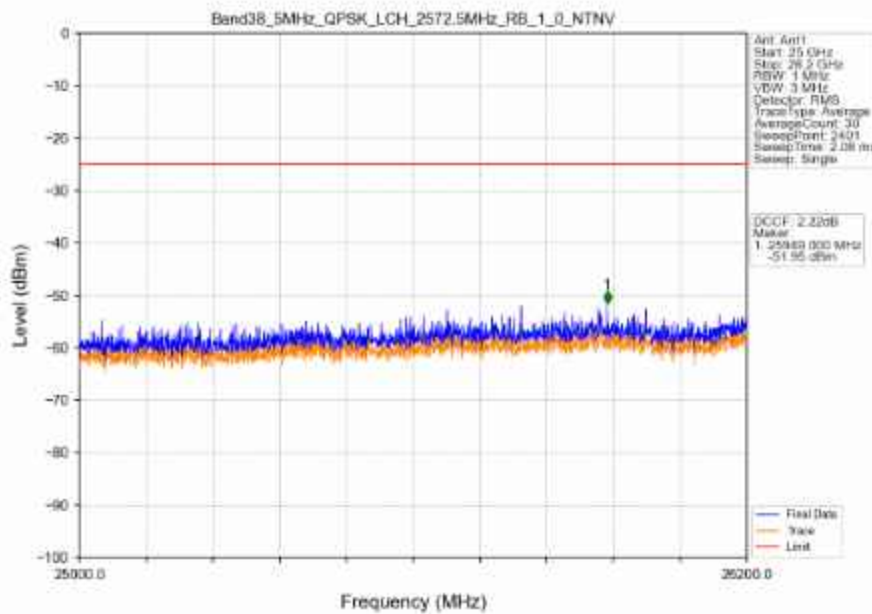
5.2.1 B38_5MHz



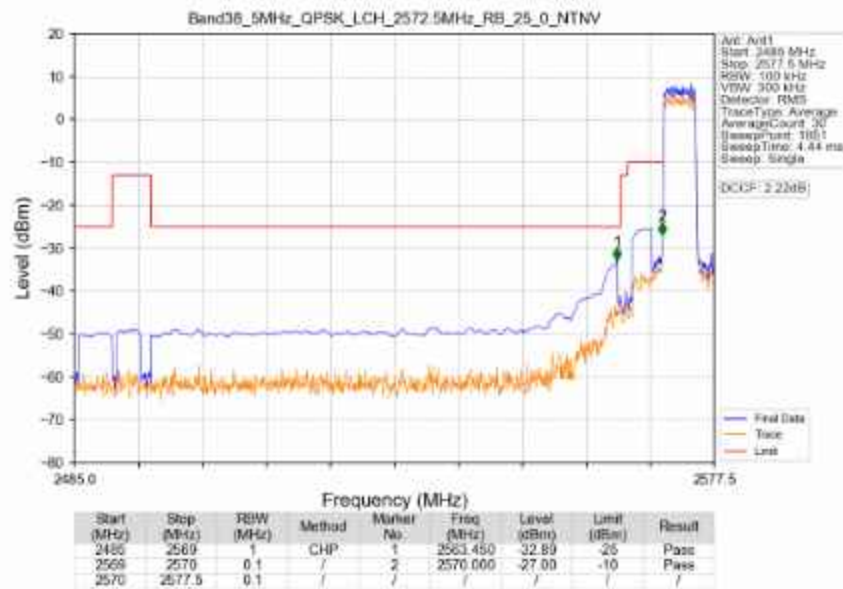
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



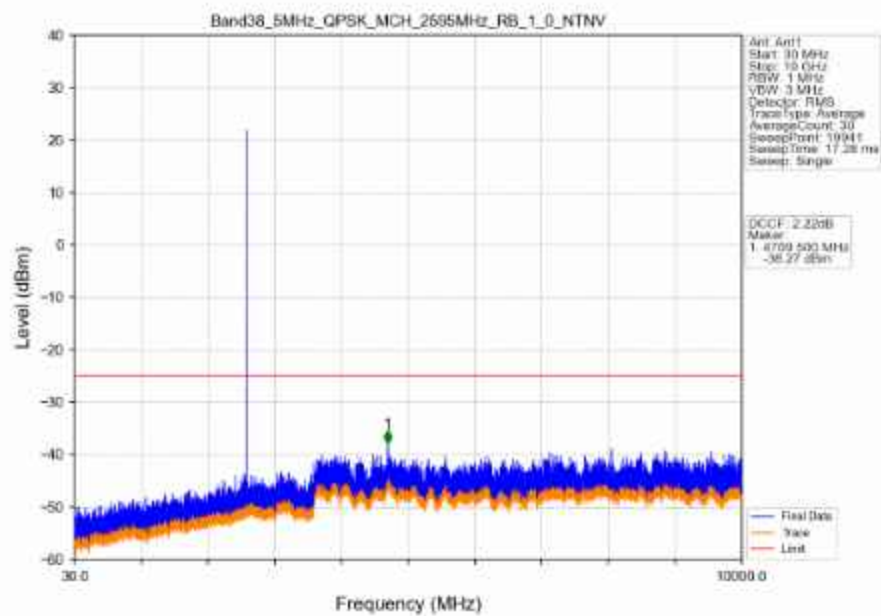
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



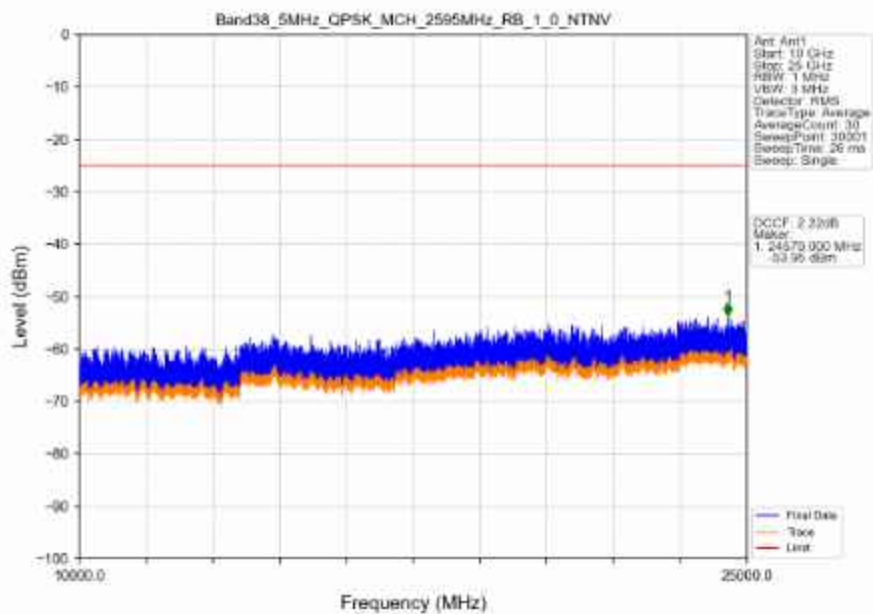
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



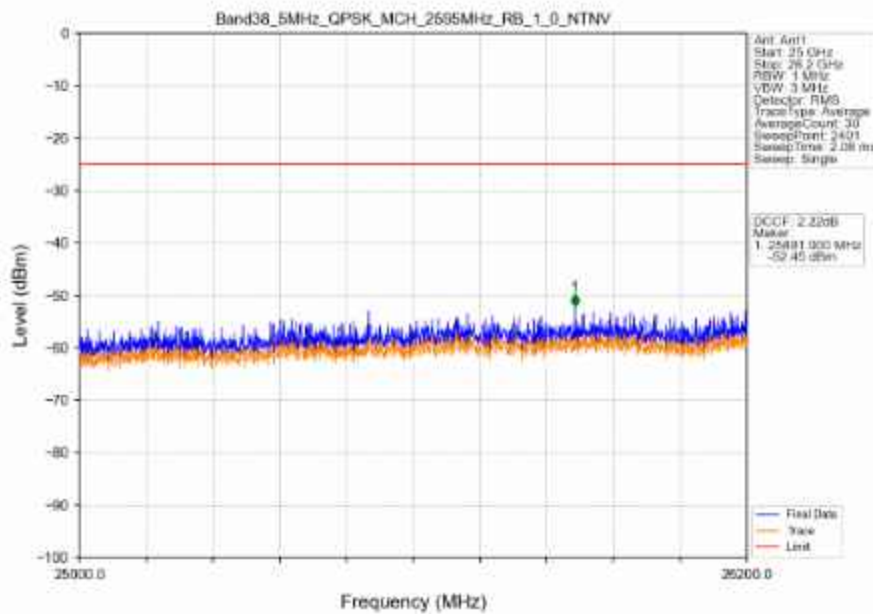
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



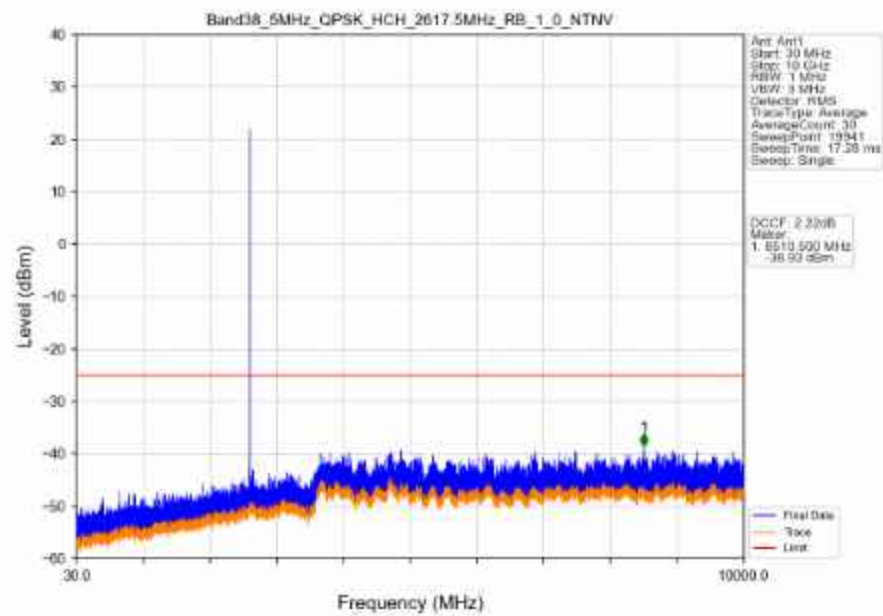
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



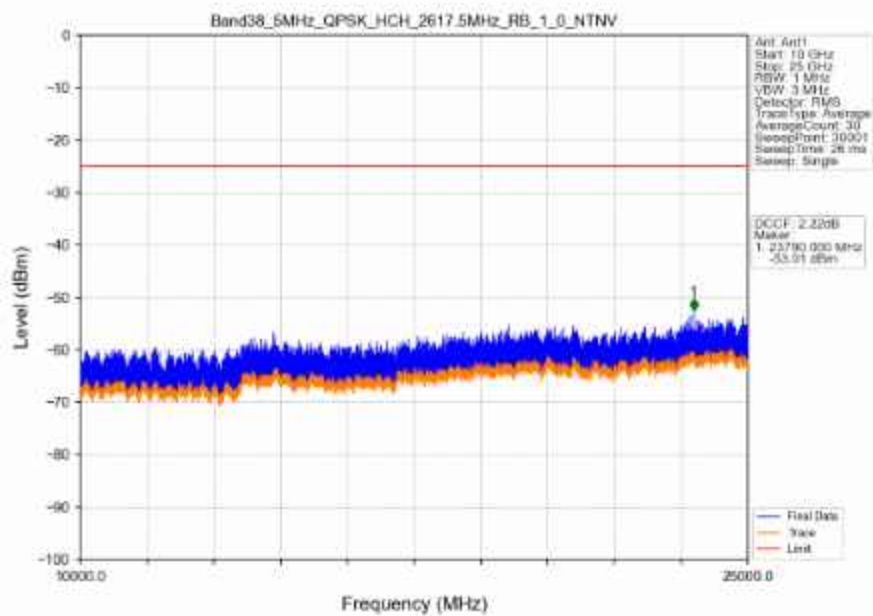
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



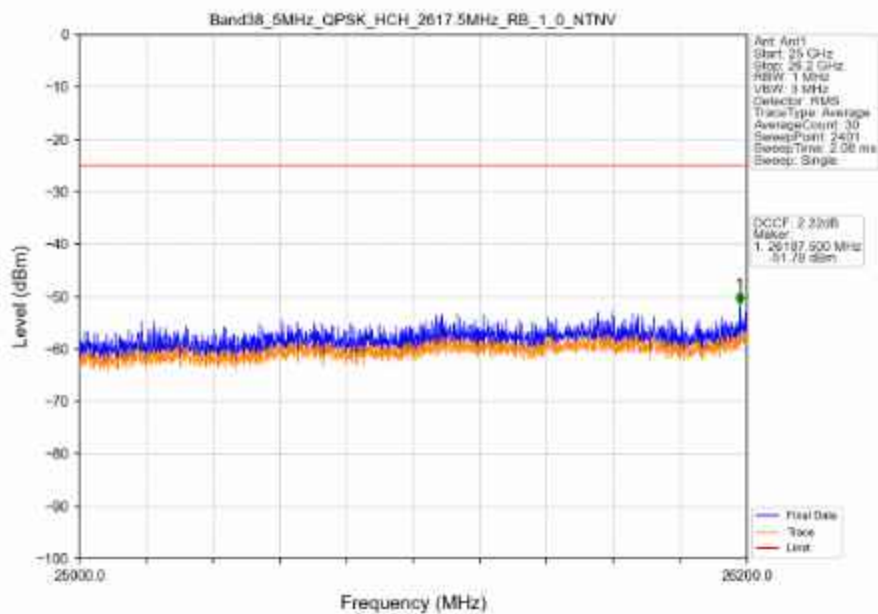
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



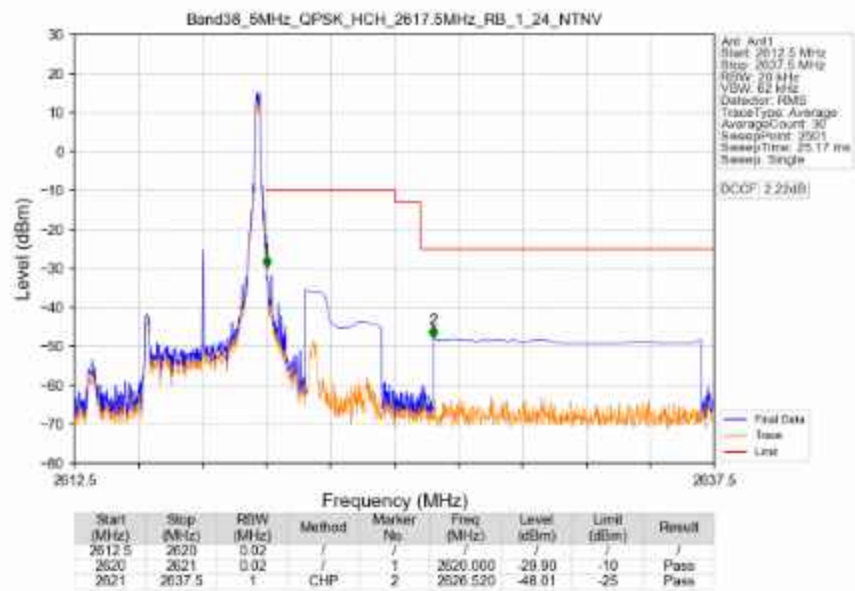
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



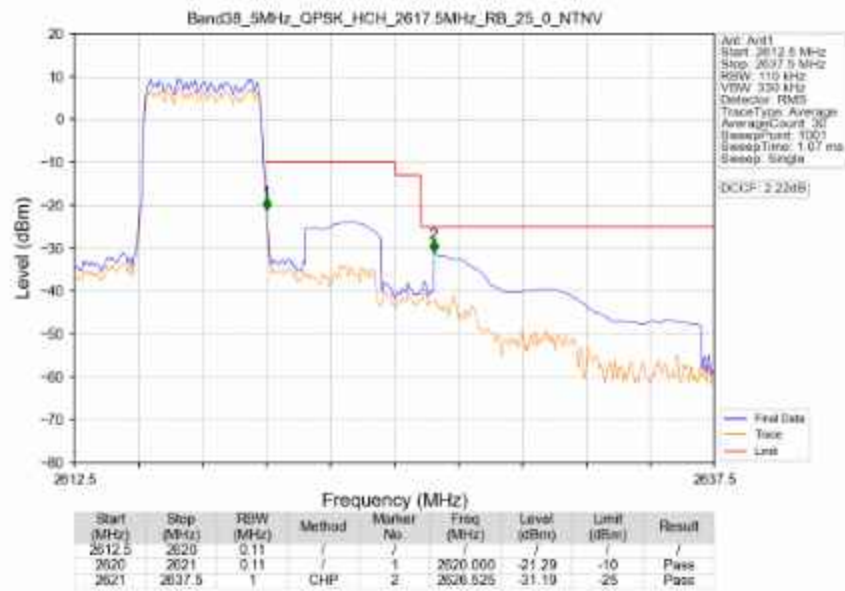
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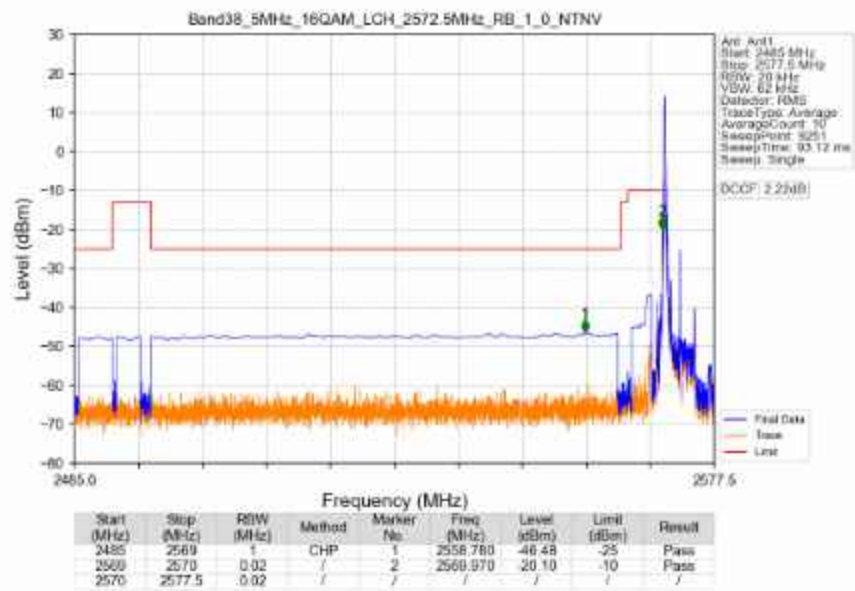
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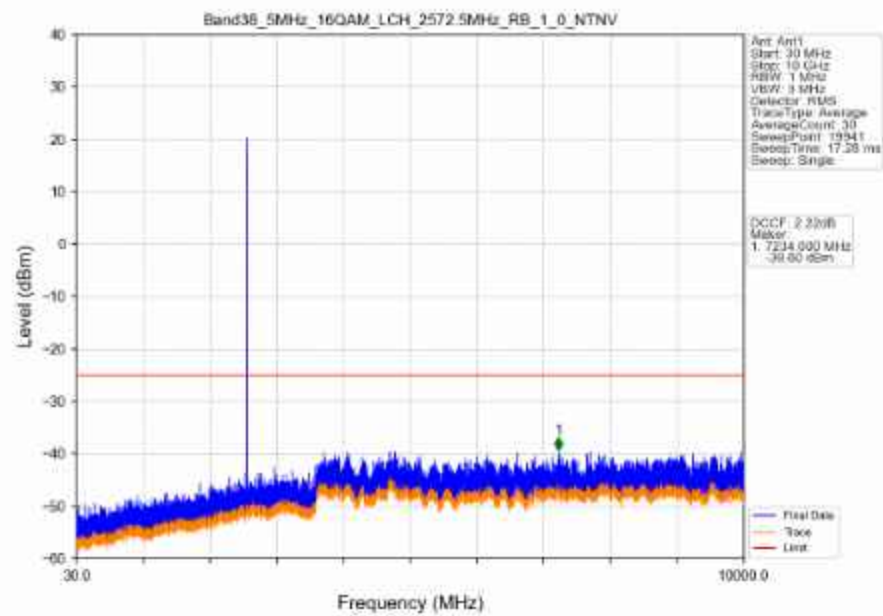
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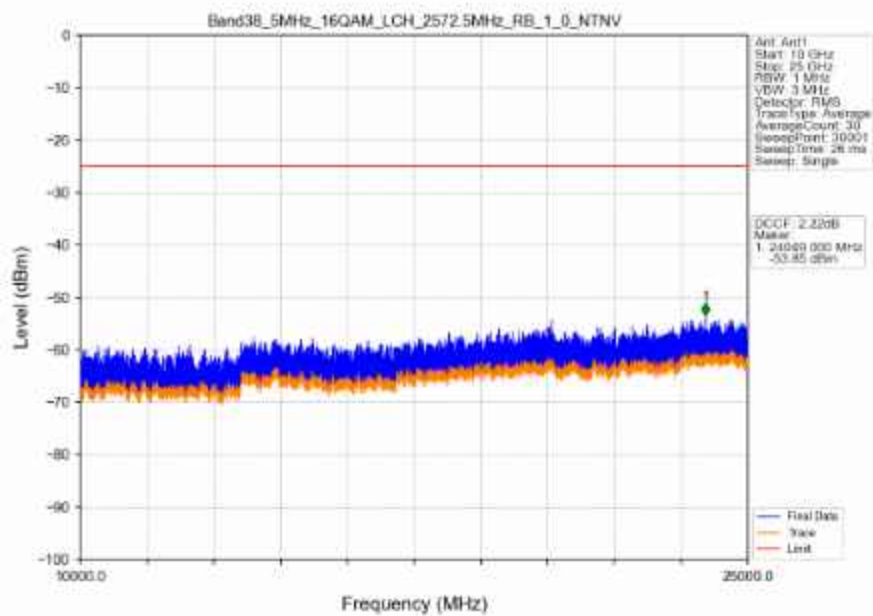
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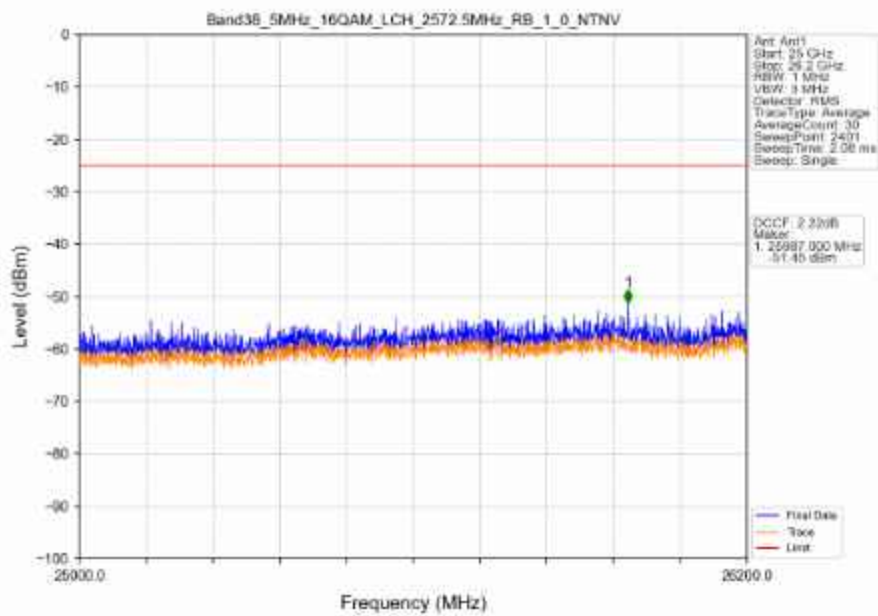
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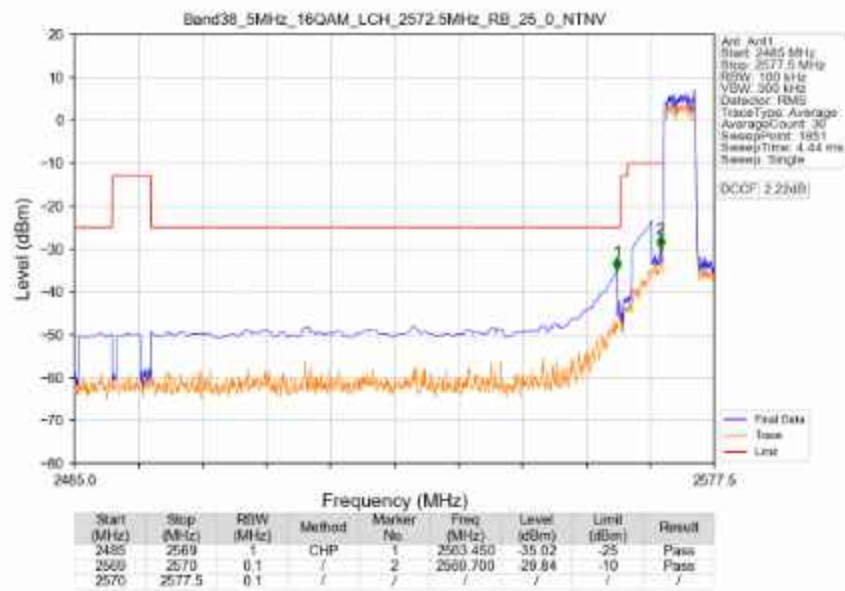
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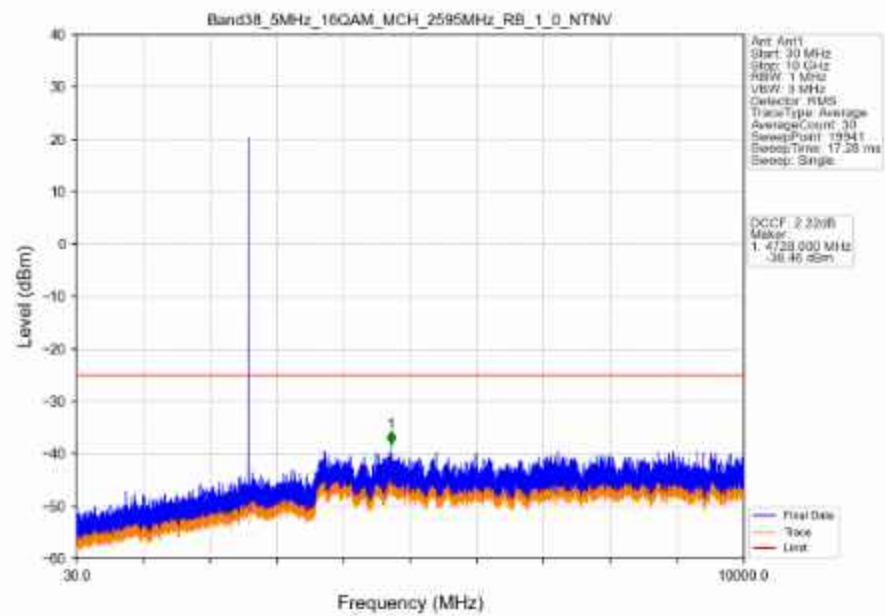
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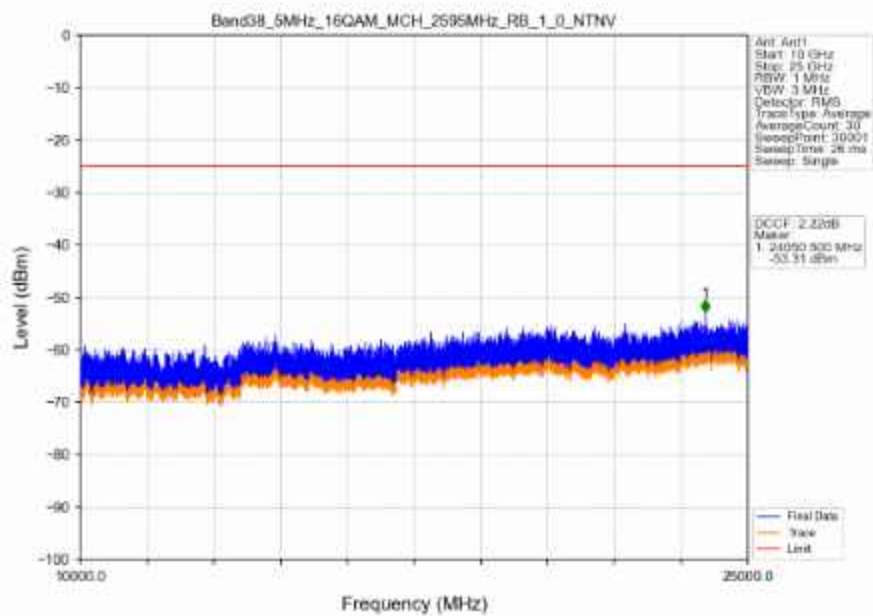
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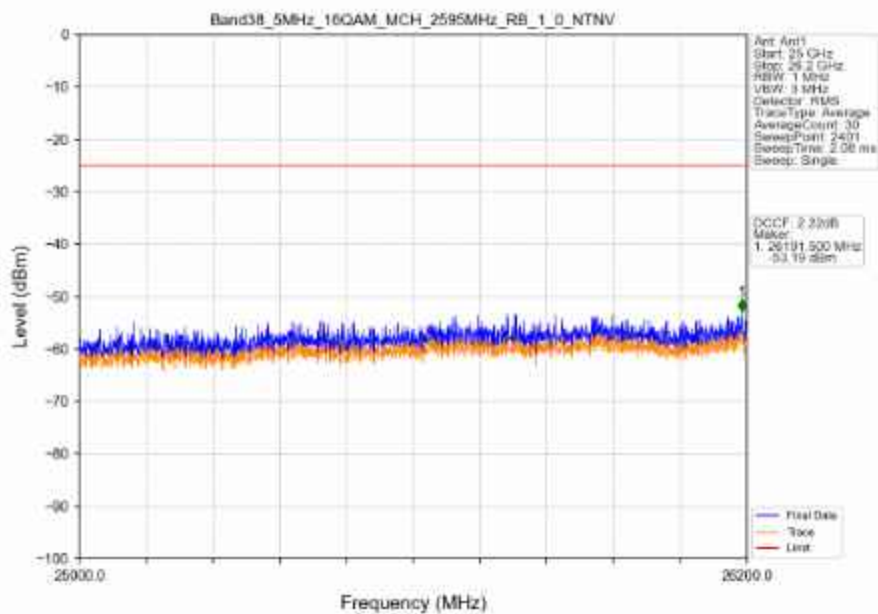
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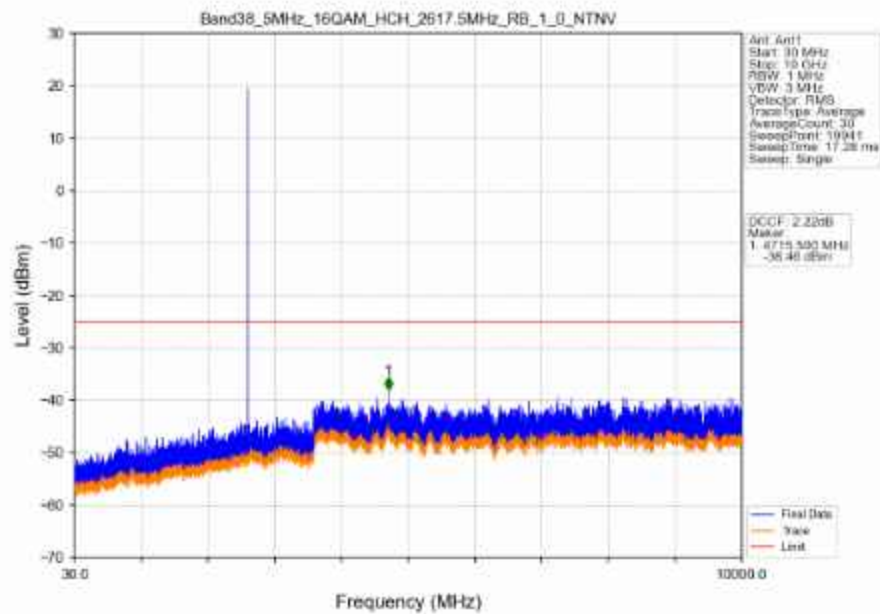
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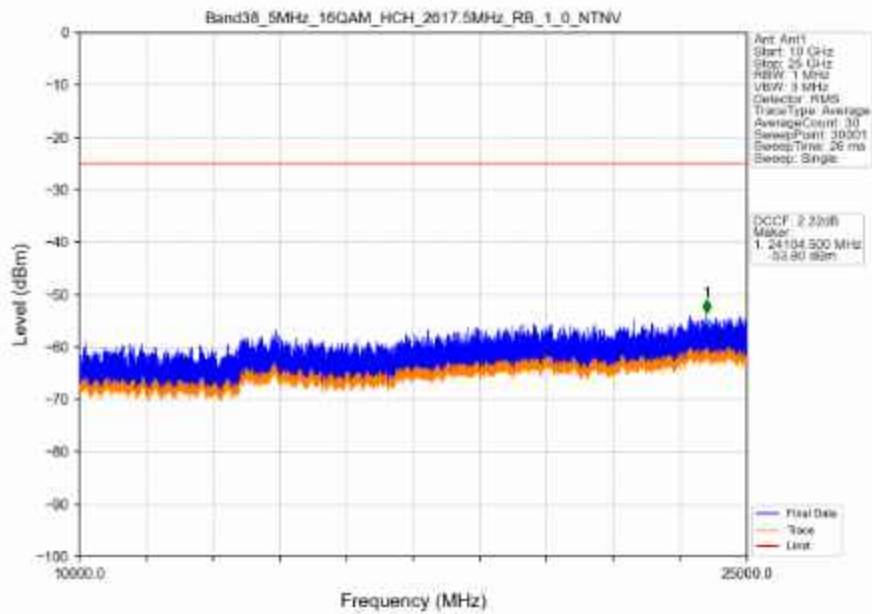
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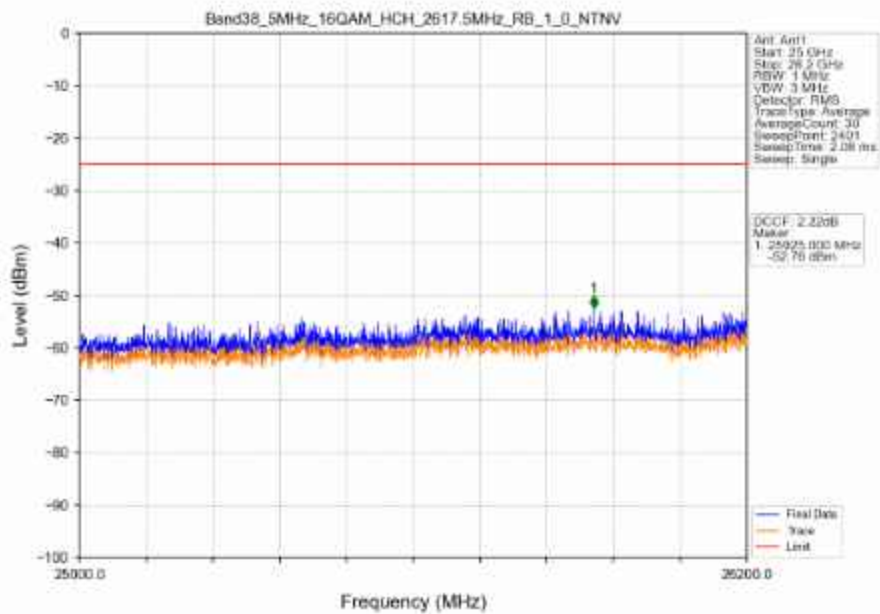
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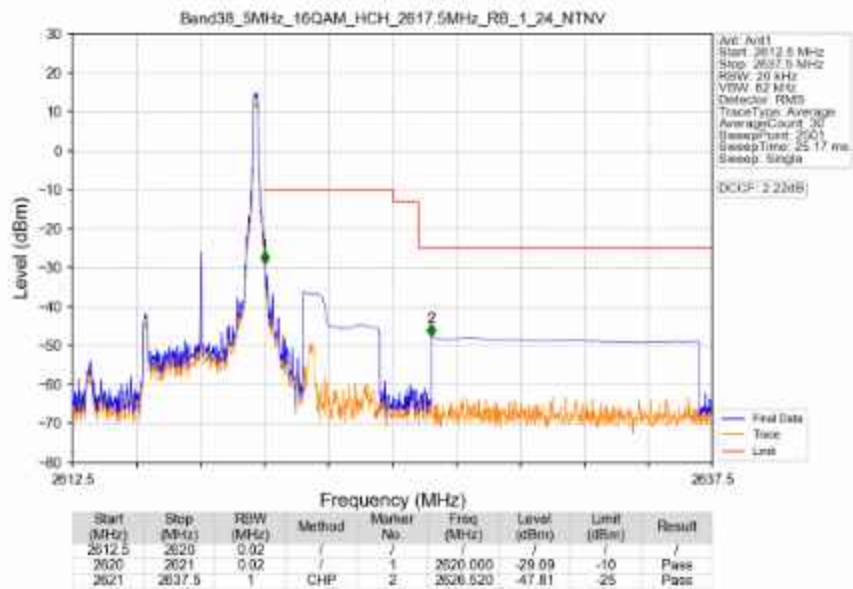
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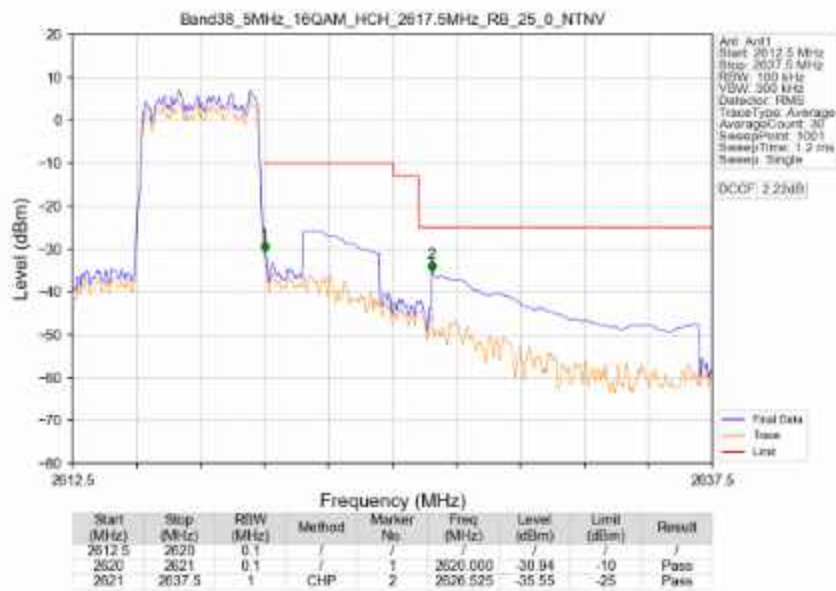
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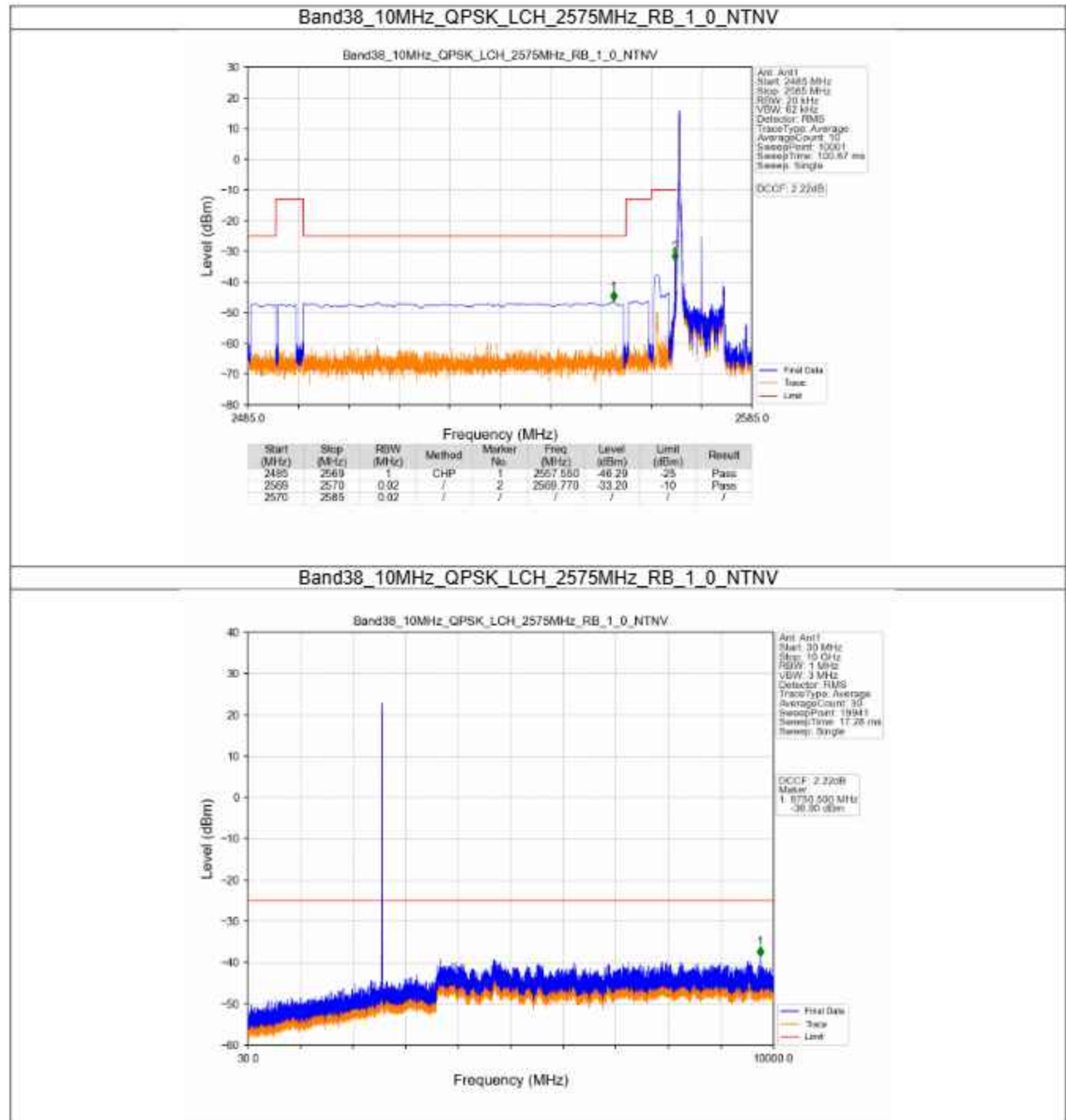
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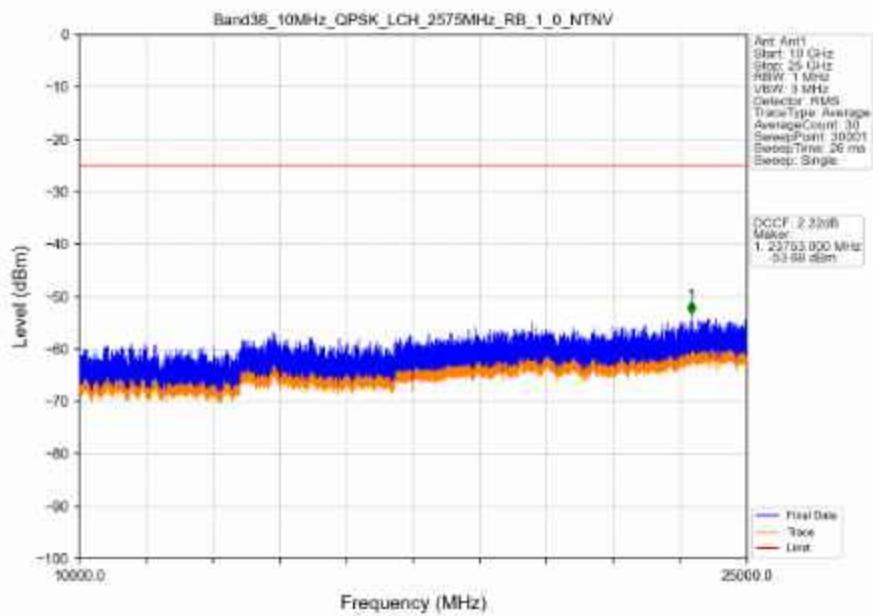
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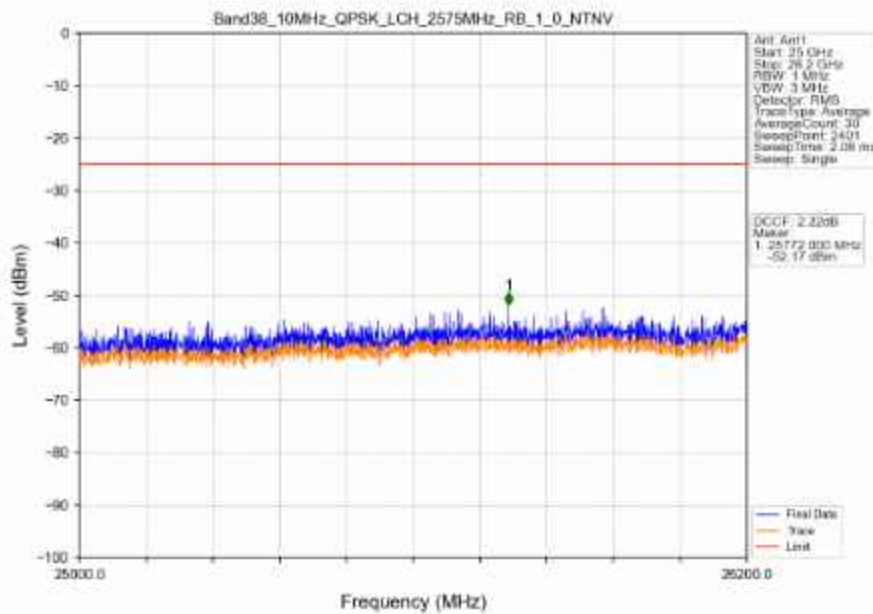
5.2.2 B38_10MHz



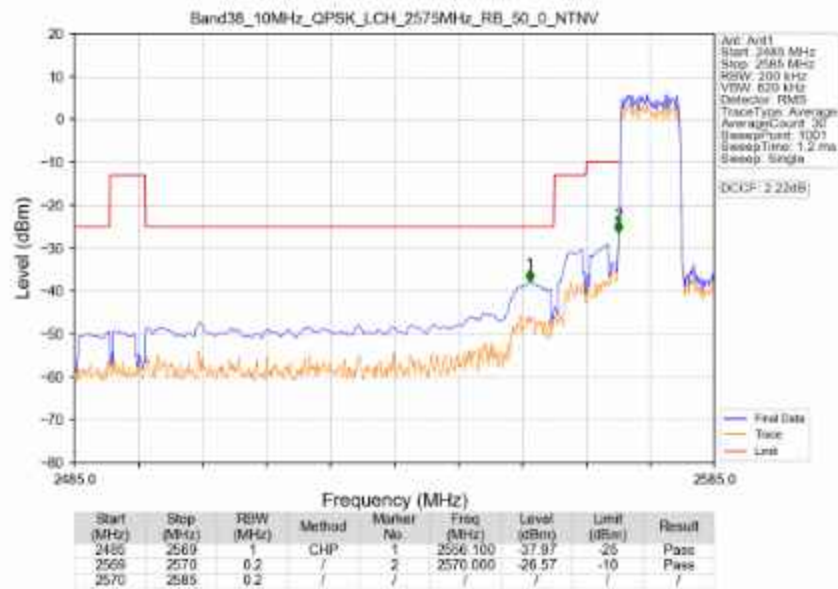
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



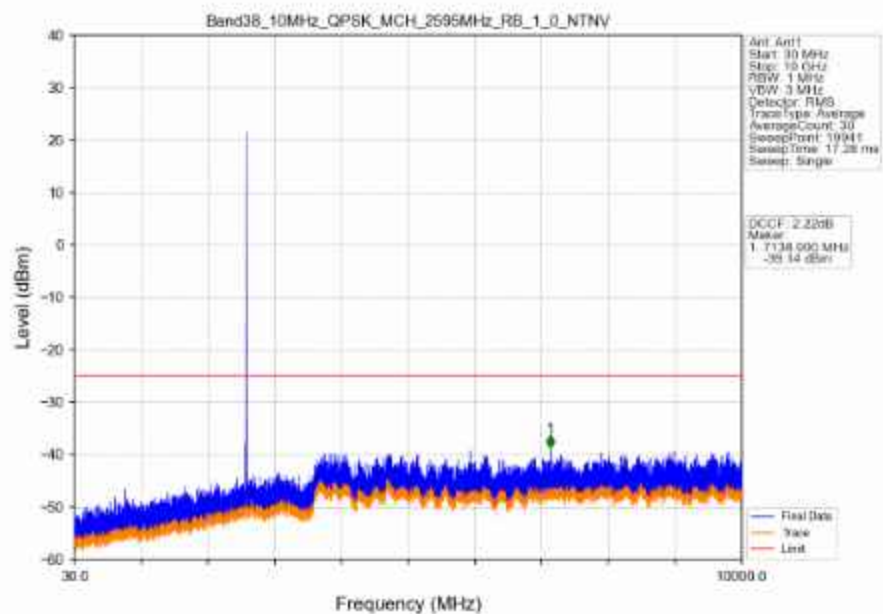
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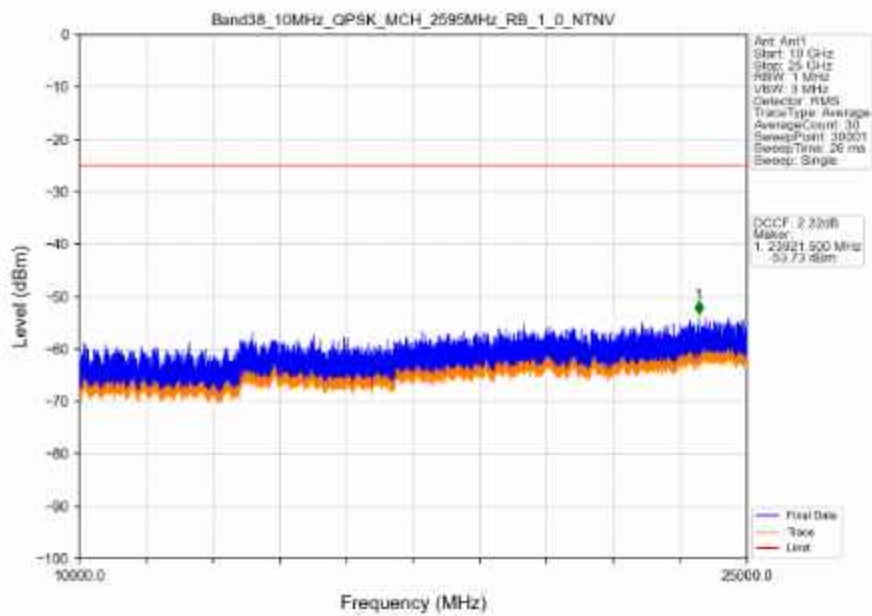
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



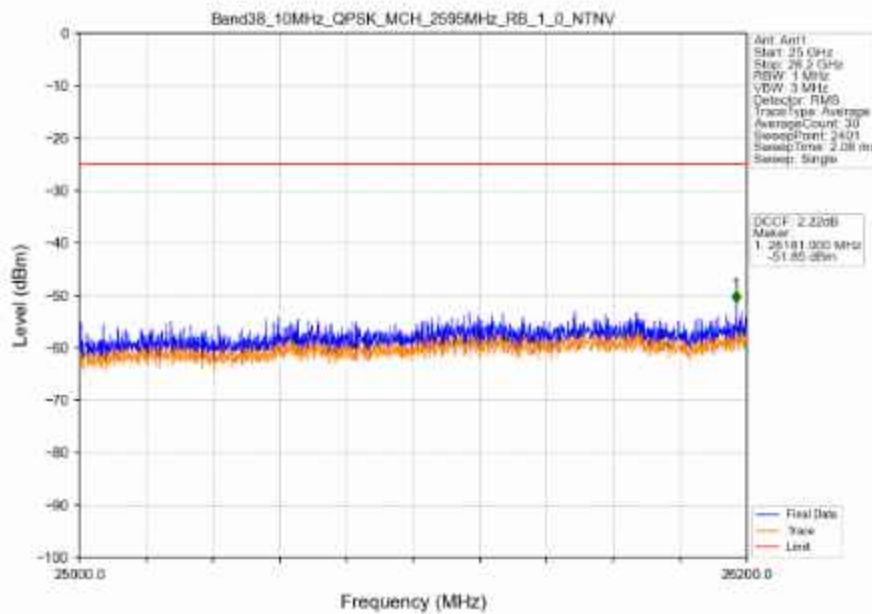
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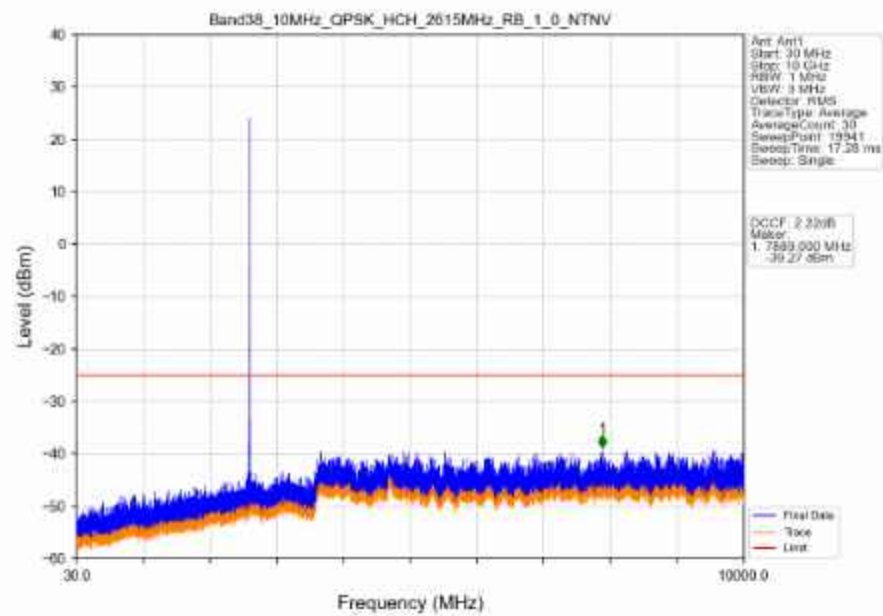
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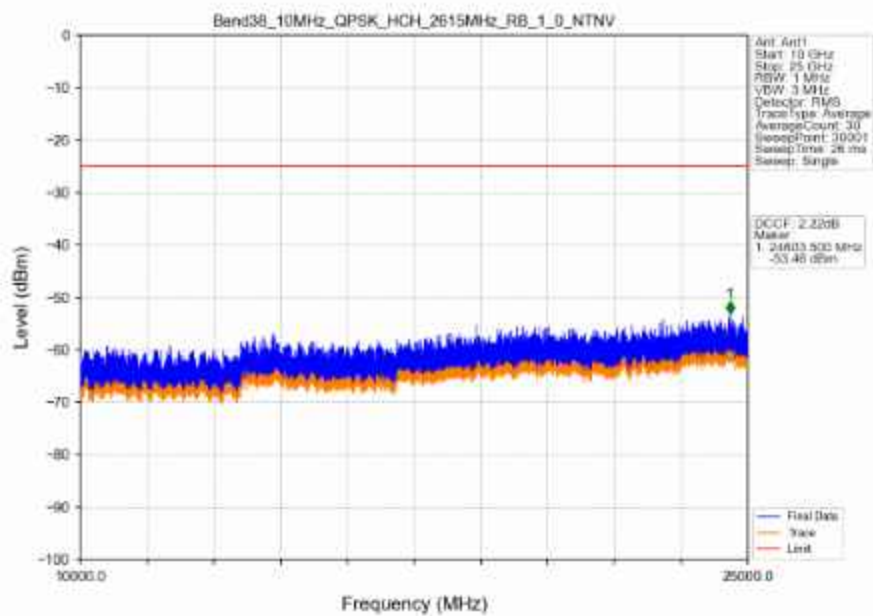
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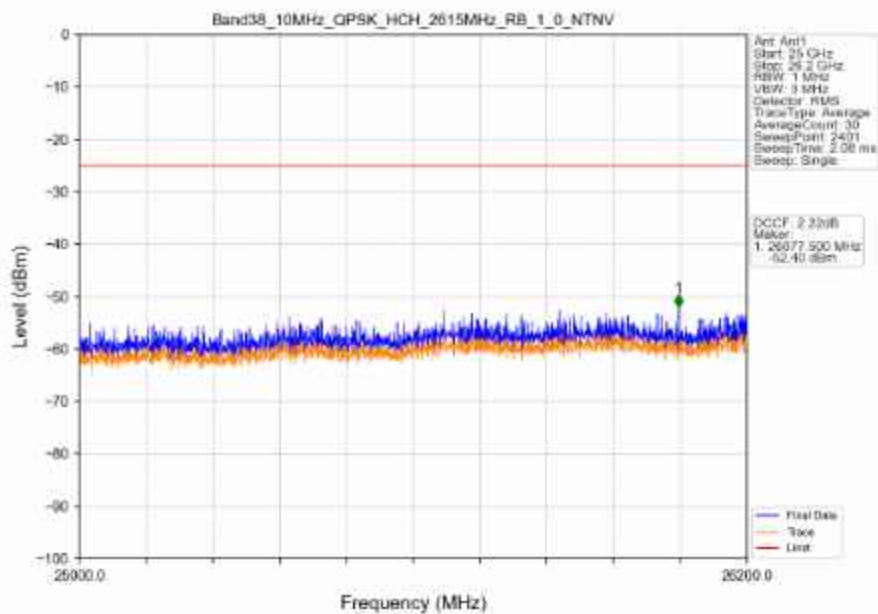
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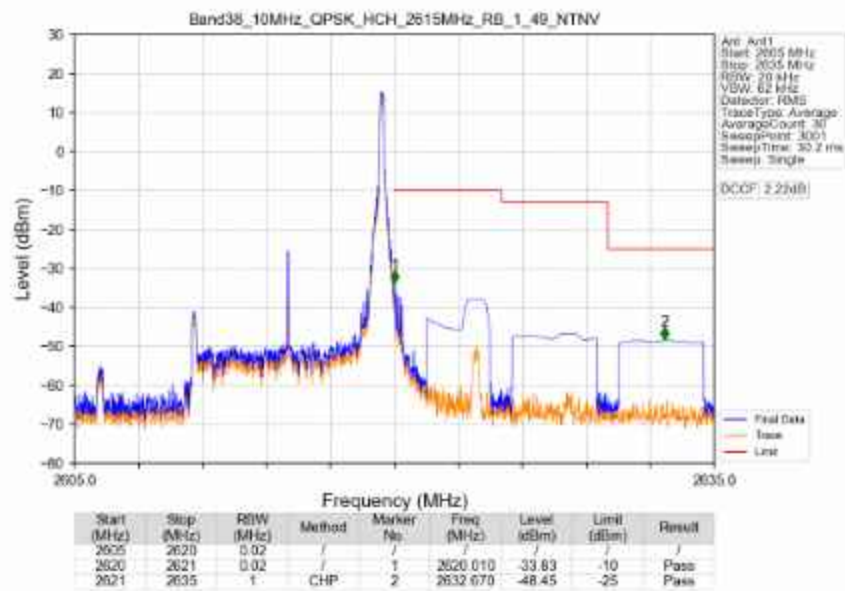
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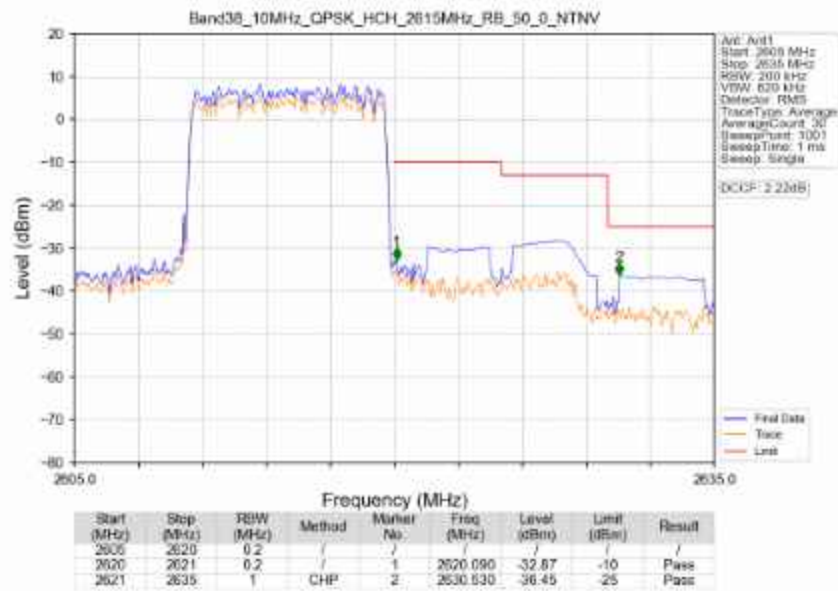
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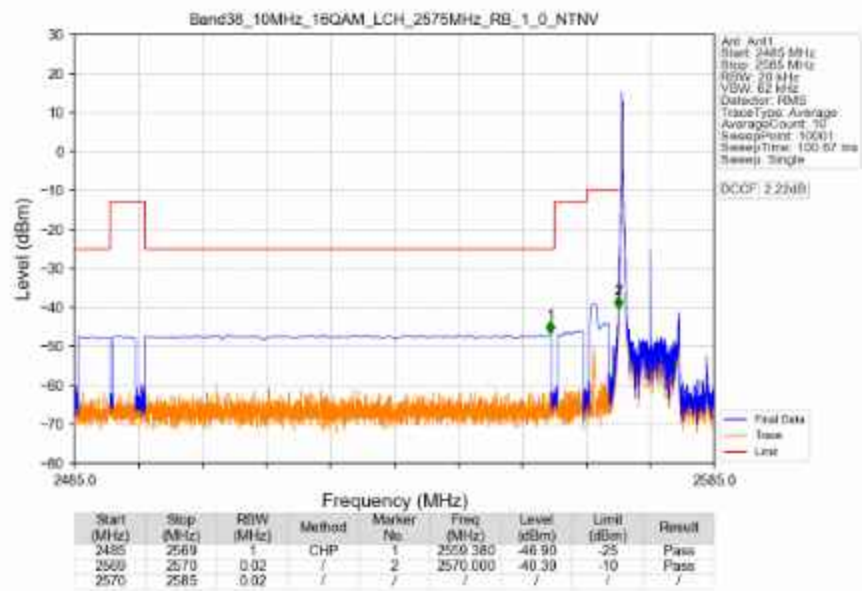
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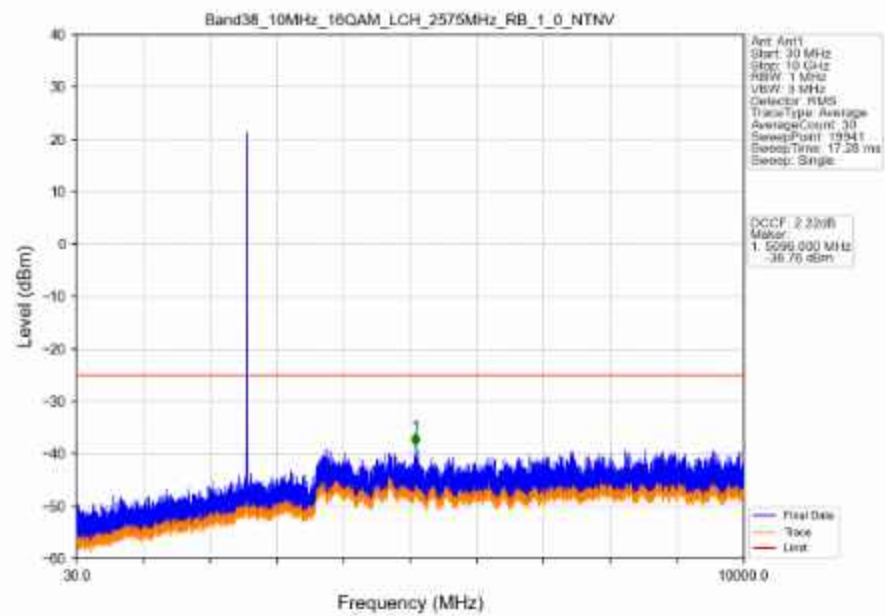
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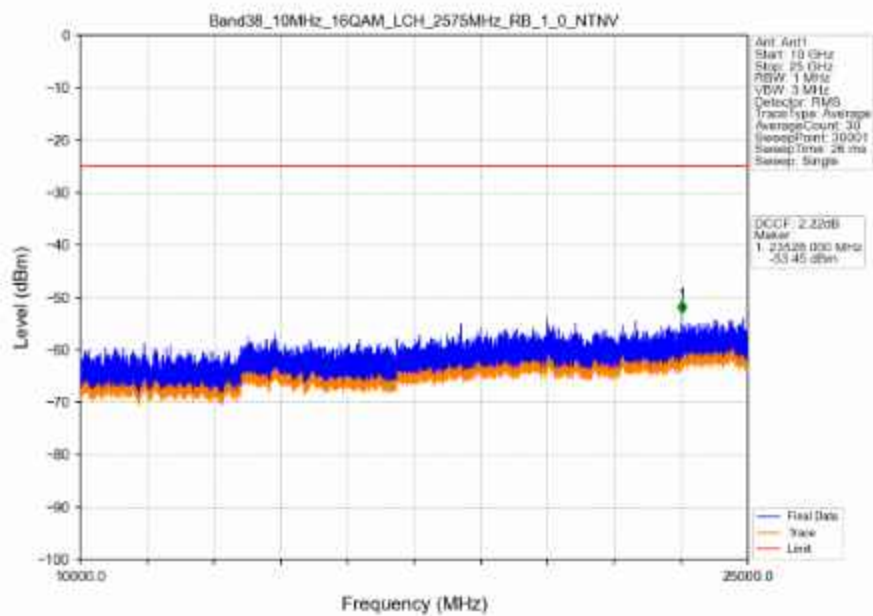
Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTNV



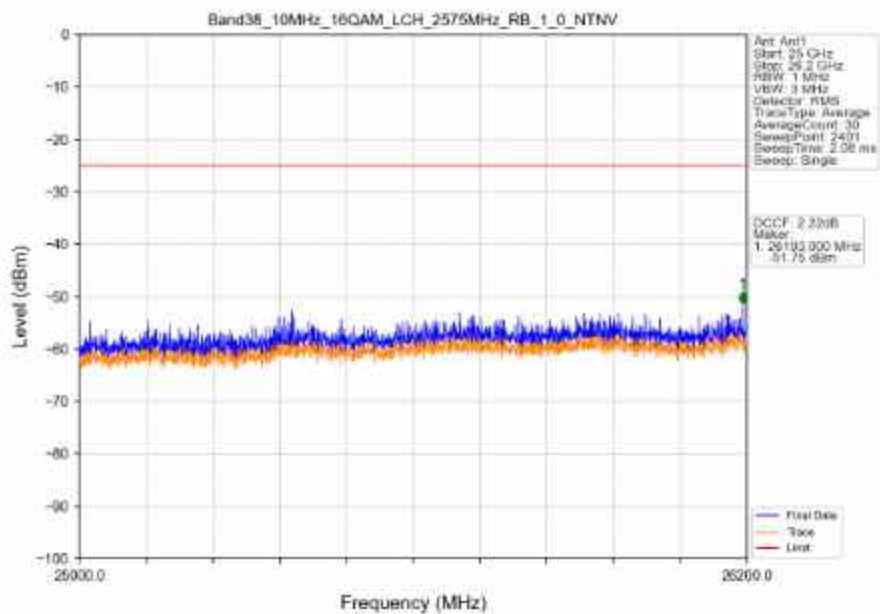
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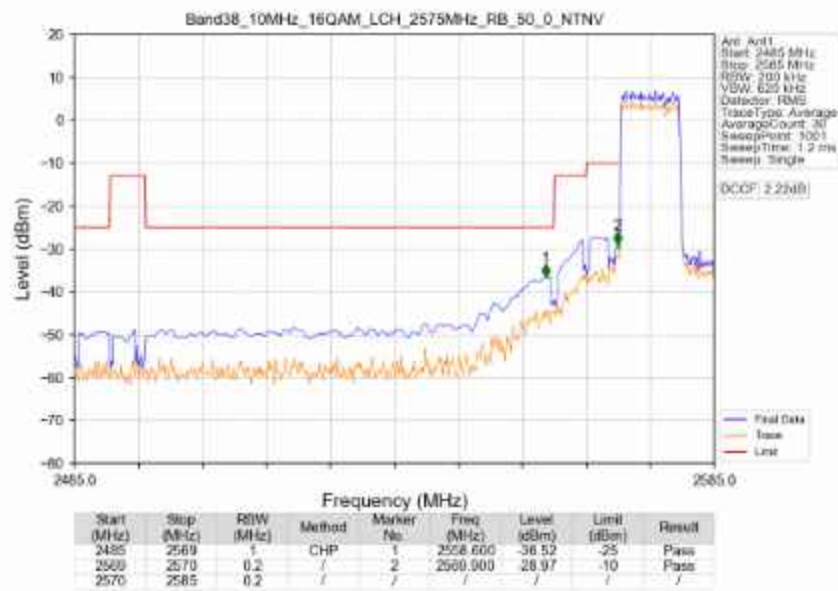
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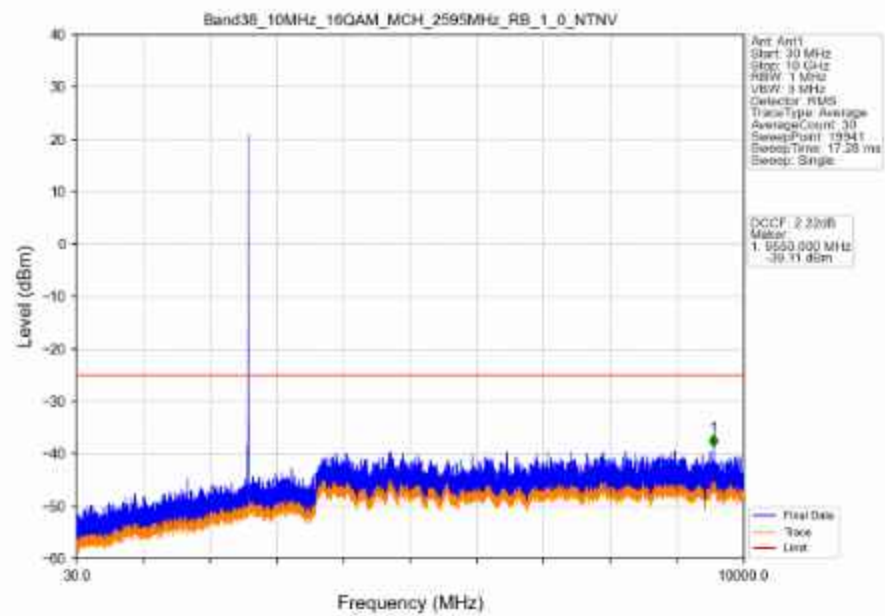
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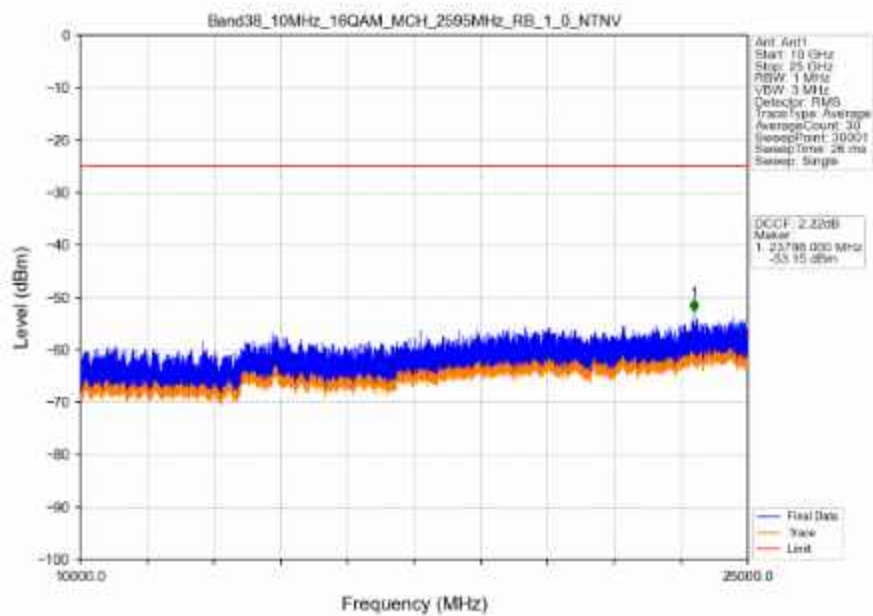
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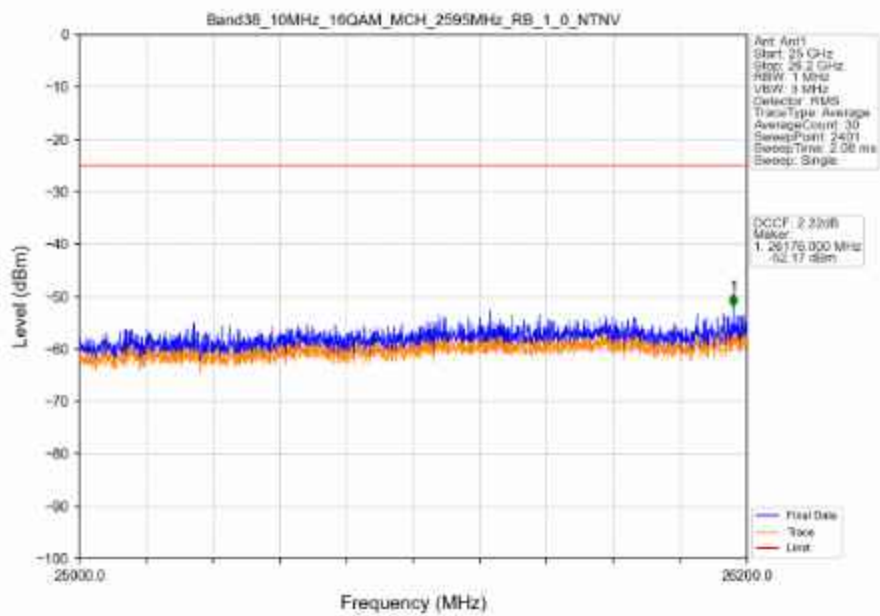
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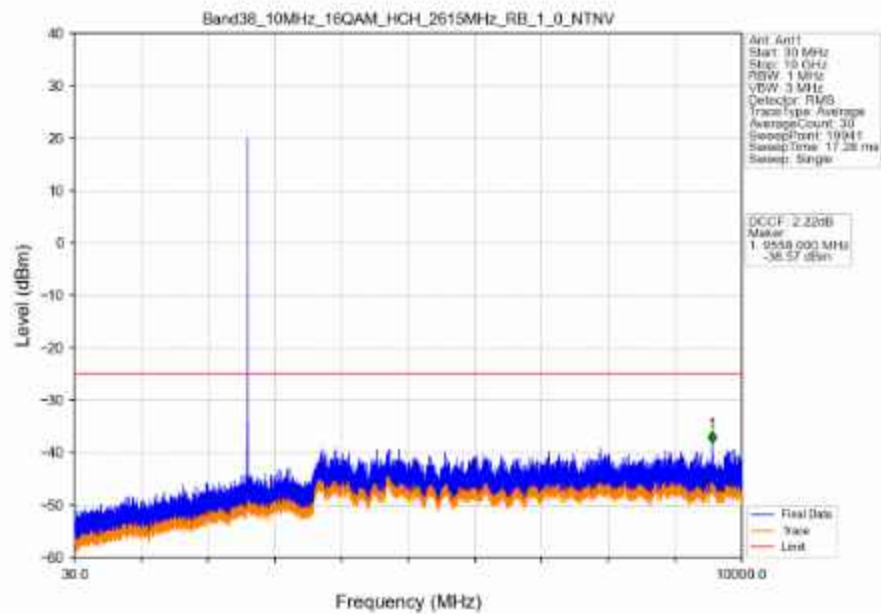
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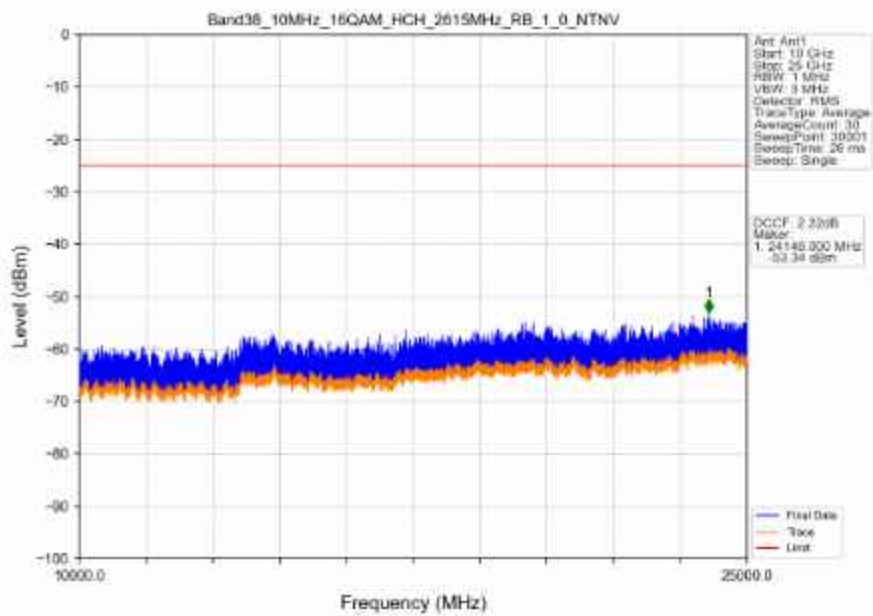
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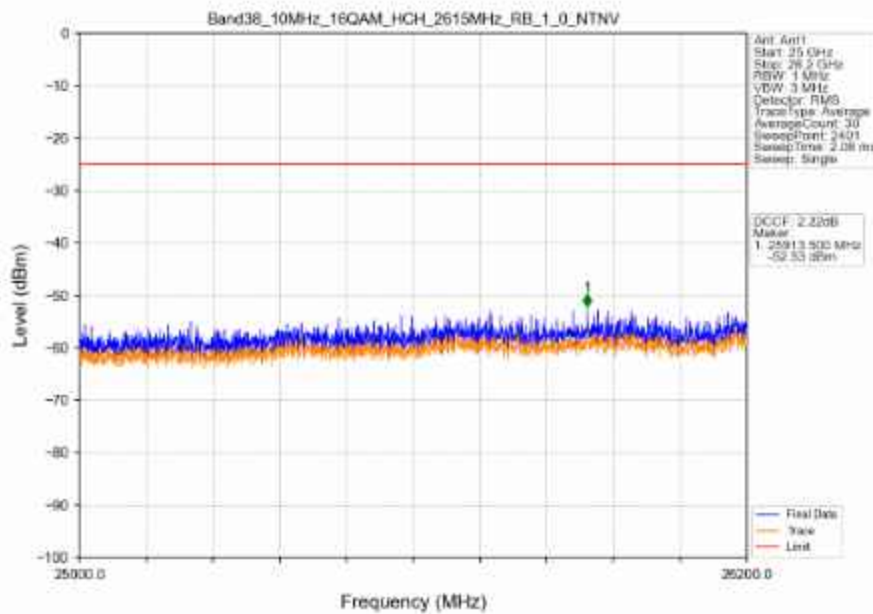
Band38_10MHz_16QAM_HCH_2615MHz_RB_1_0_NTNV



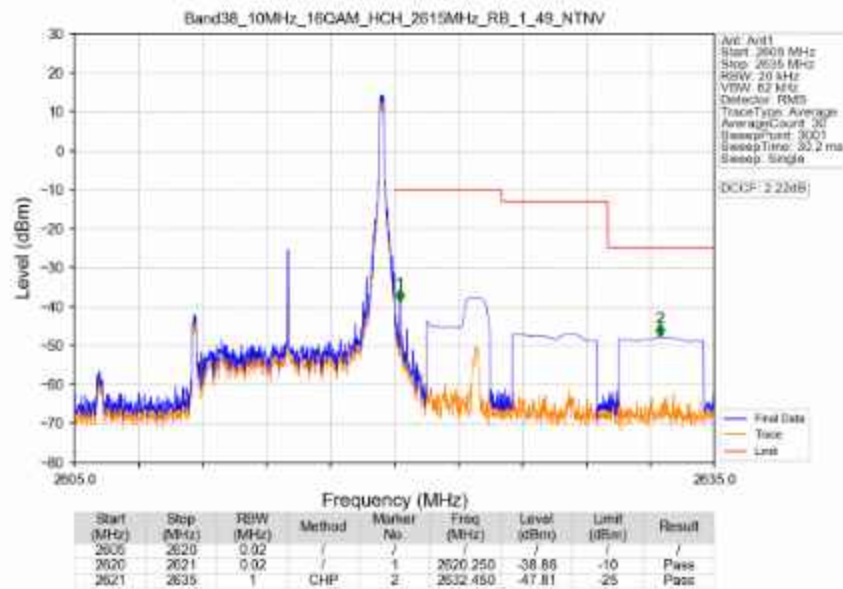
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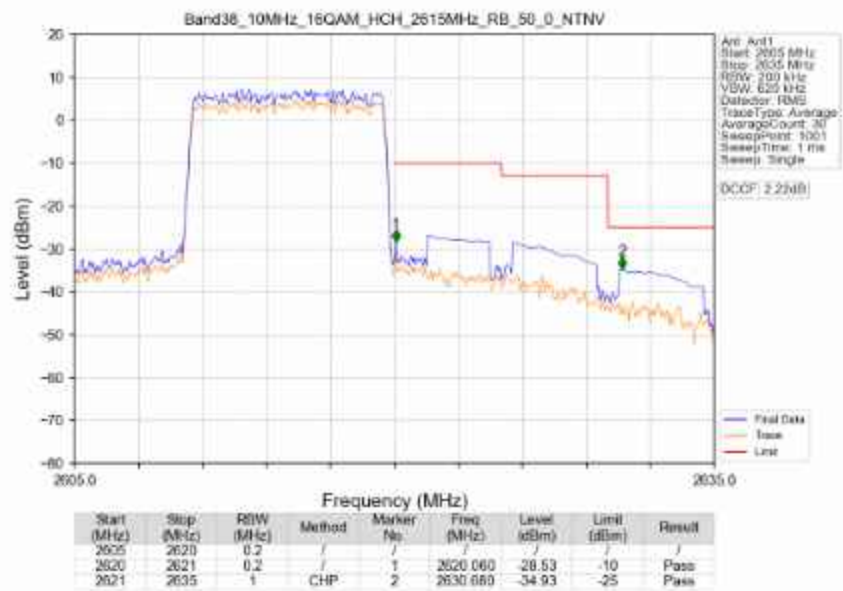
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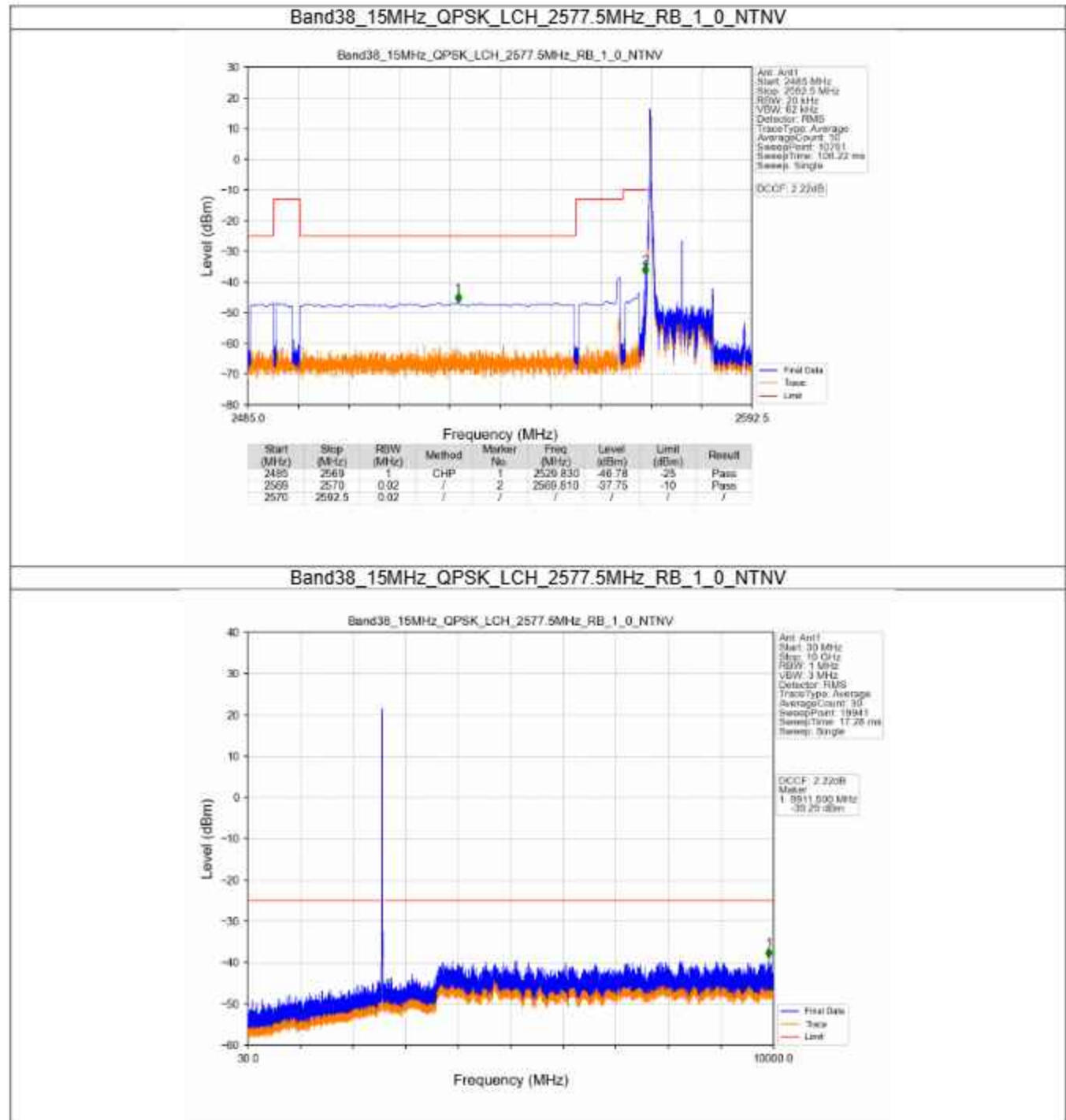
Band38_10MHz_16QAM_HCH_2615MHz_RB_1_49_NTNV



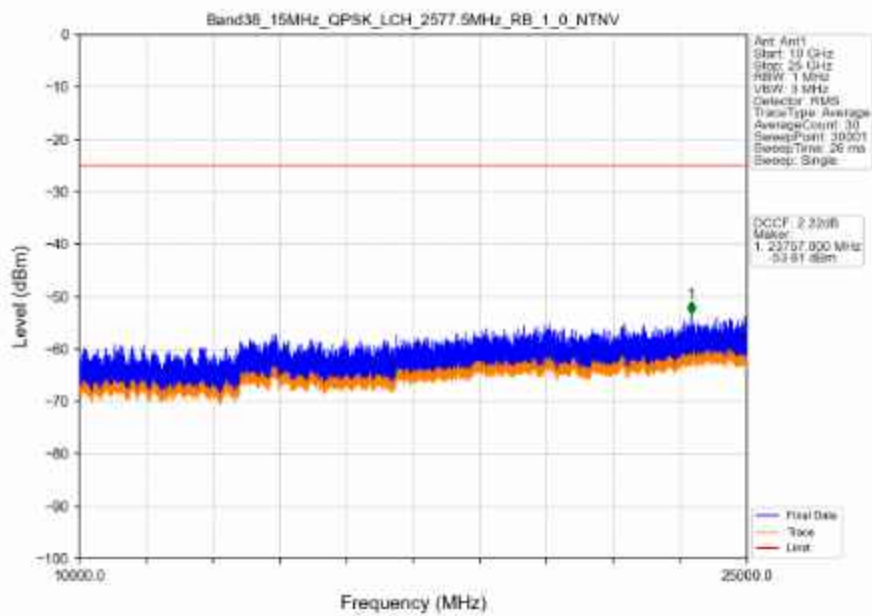
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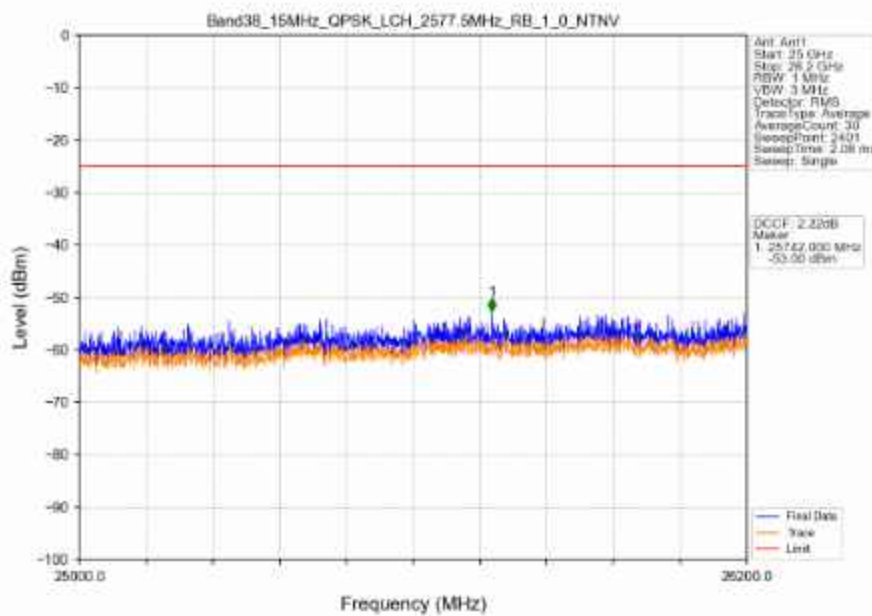
5.2.3 B38_15MHz



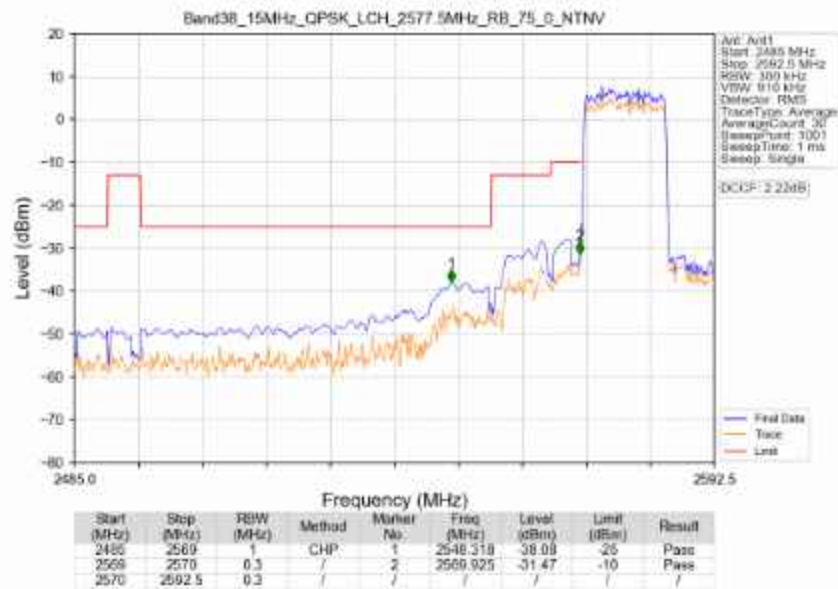
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



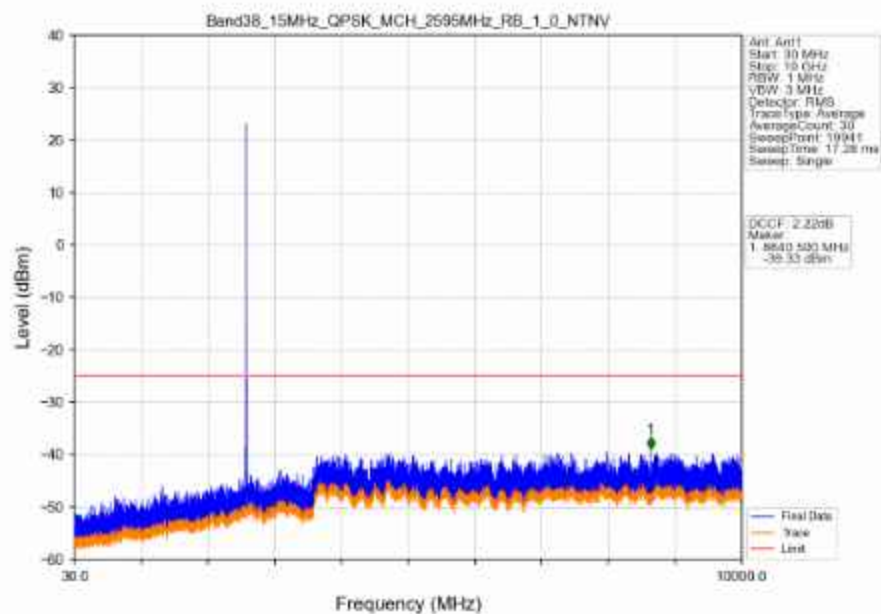
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



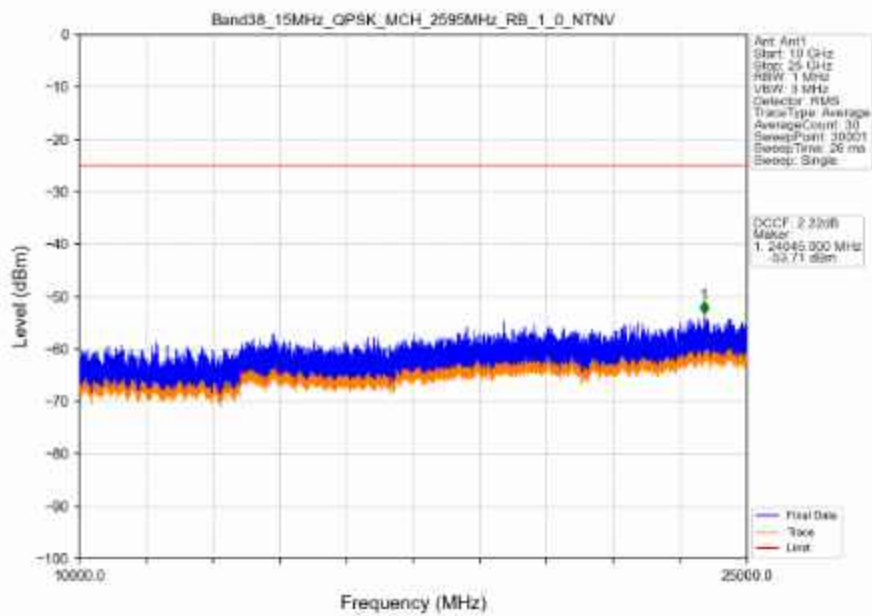
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



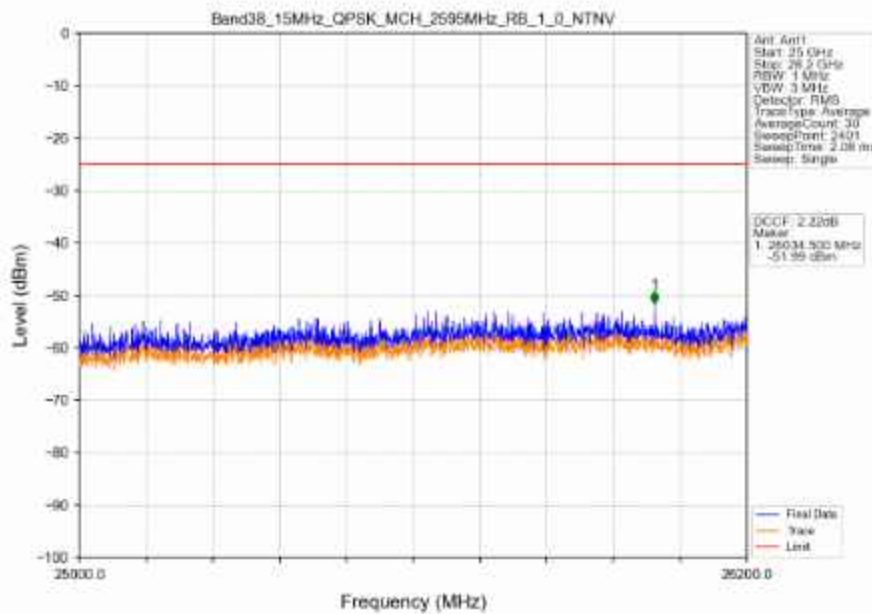
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



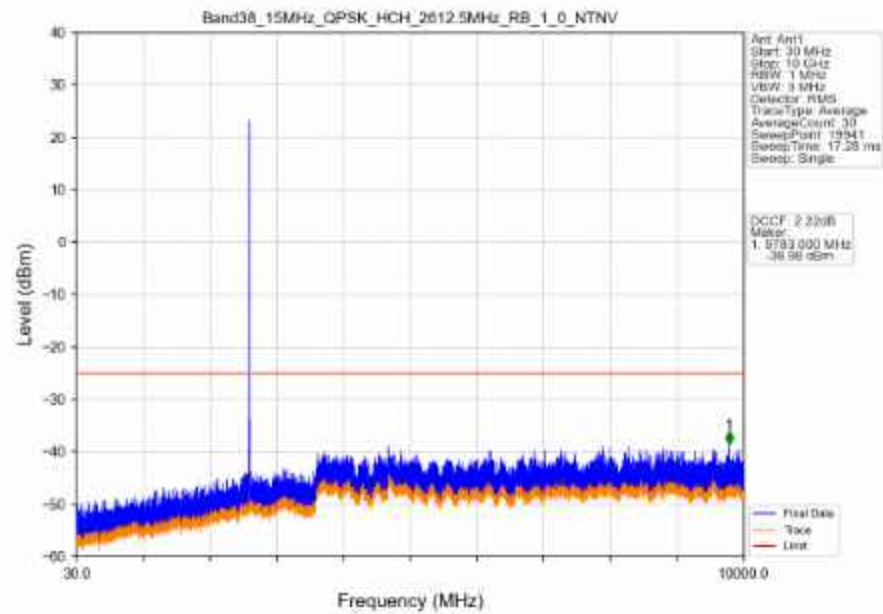
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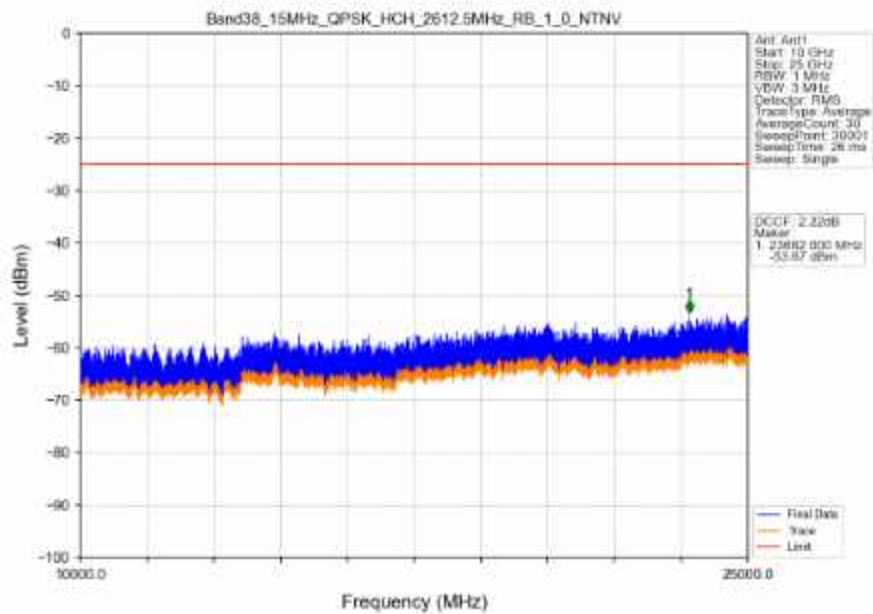
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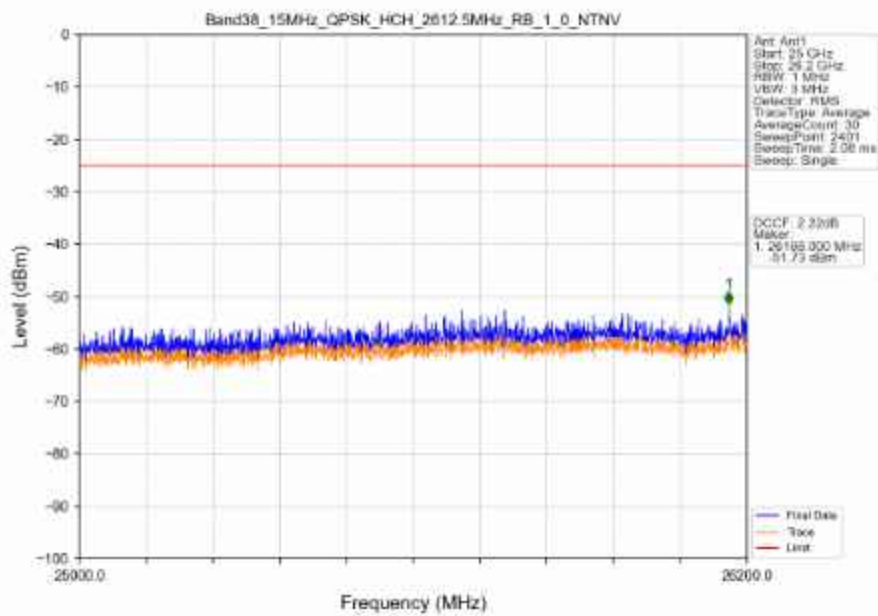
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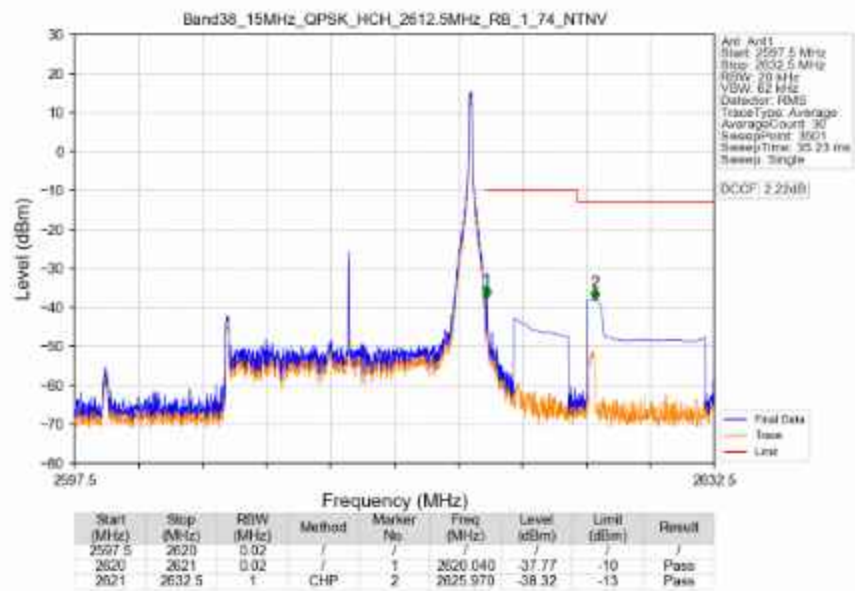
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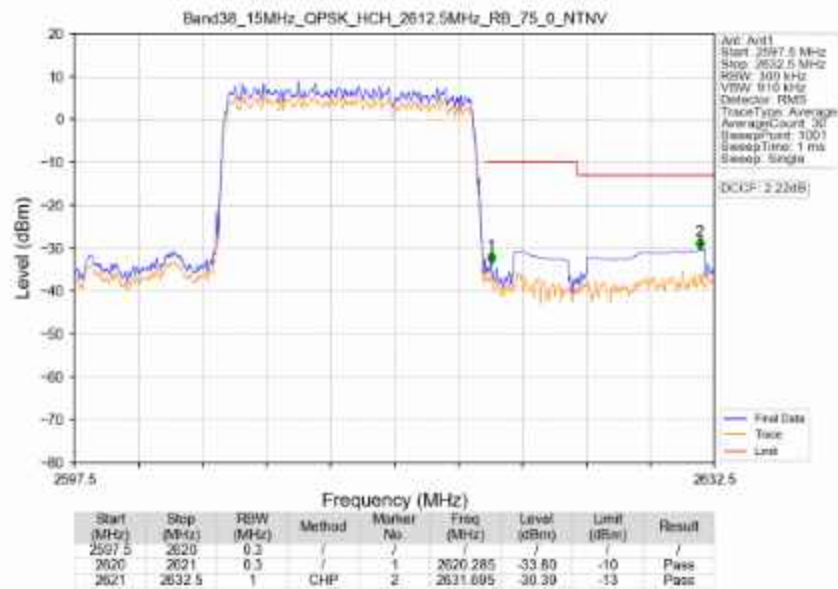
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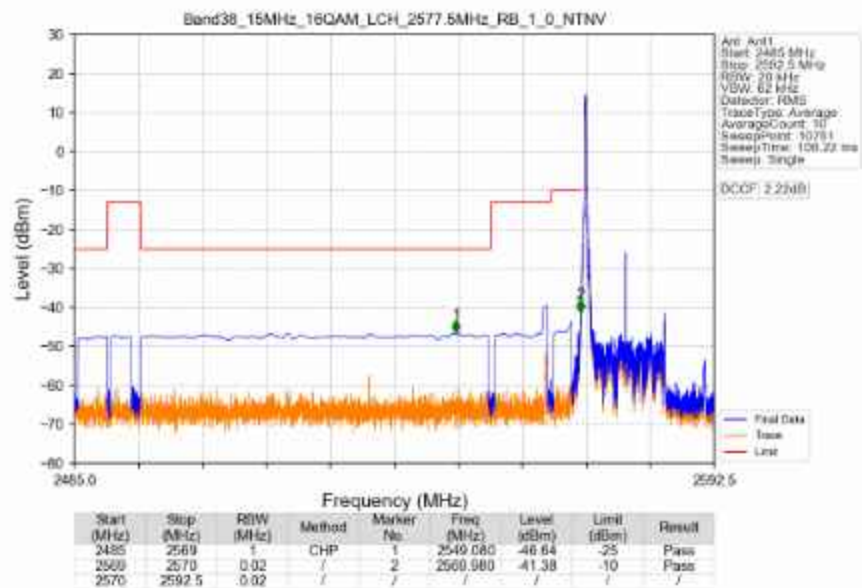
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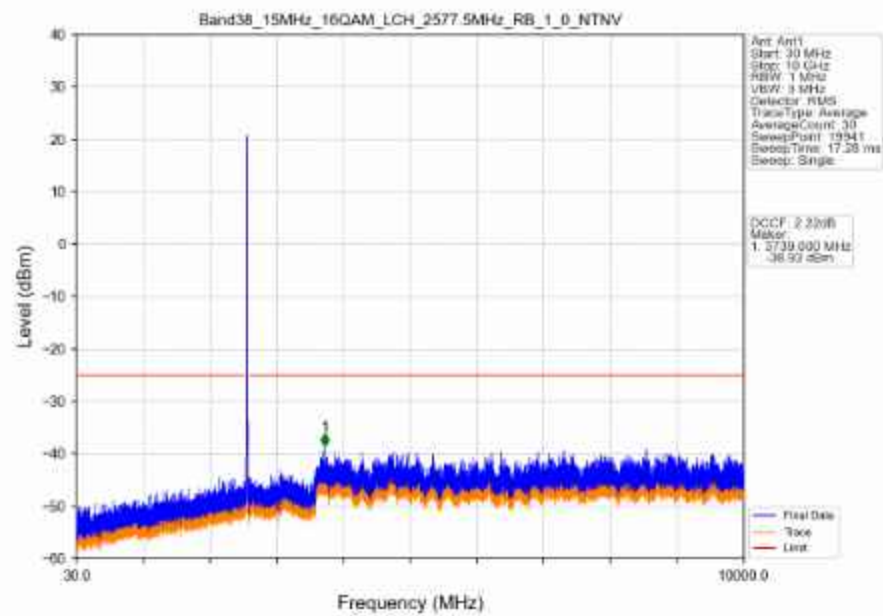
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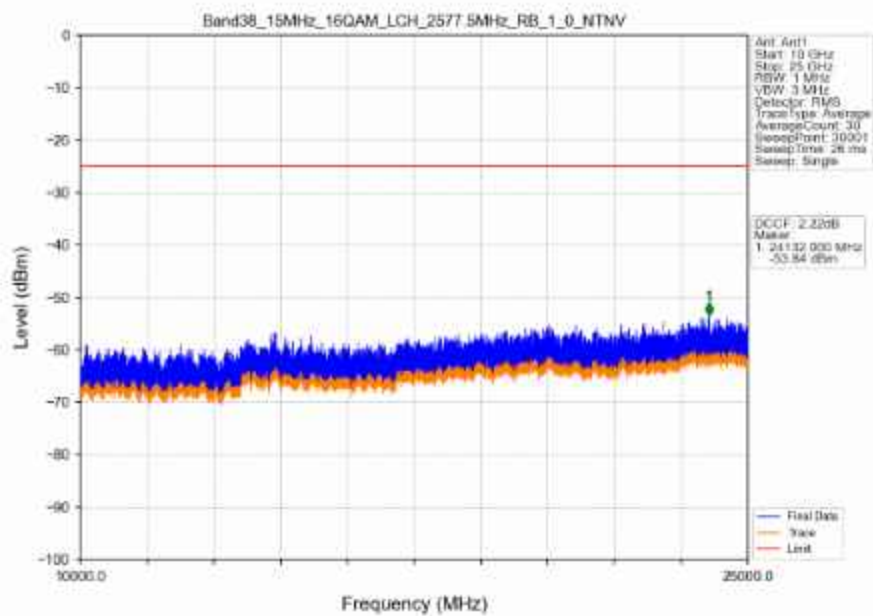
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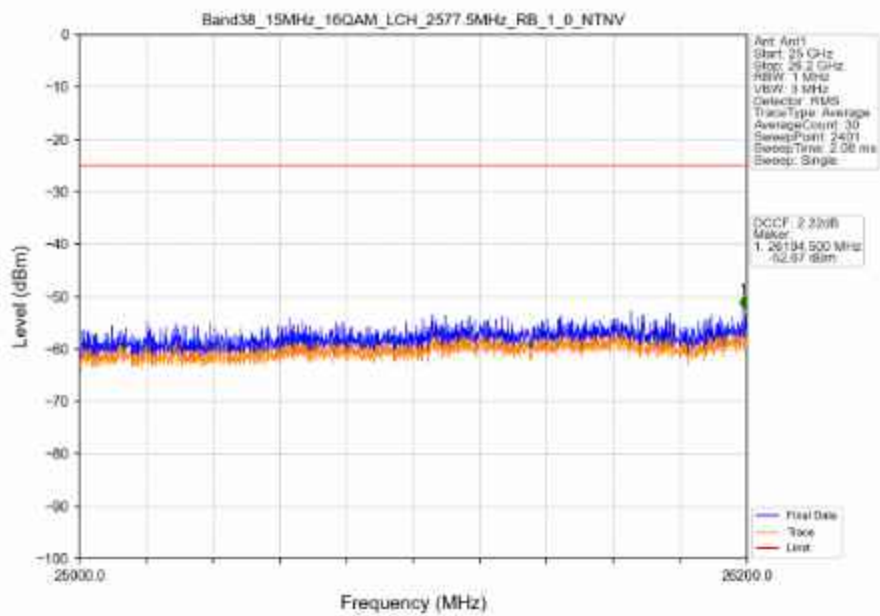
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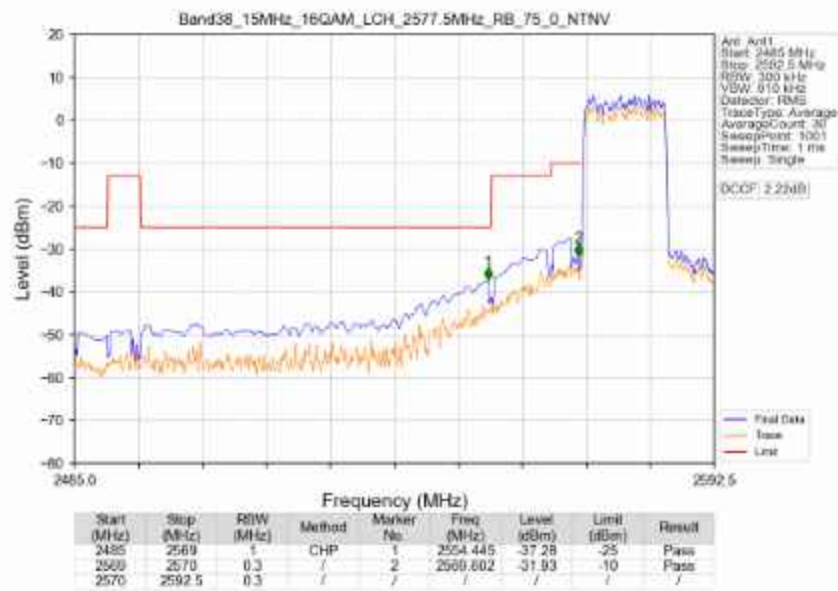
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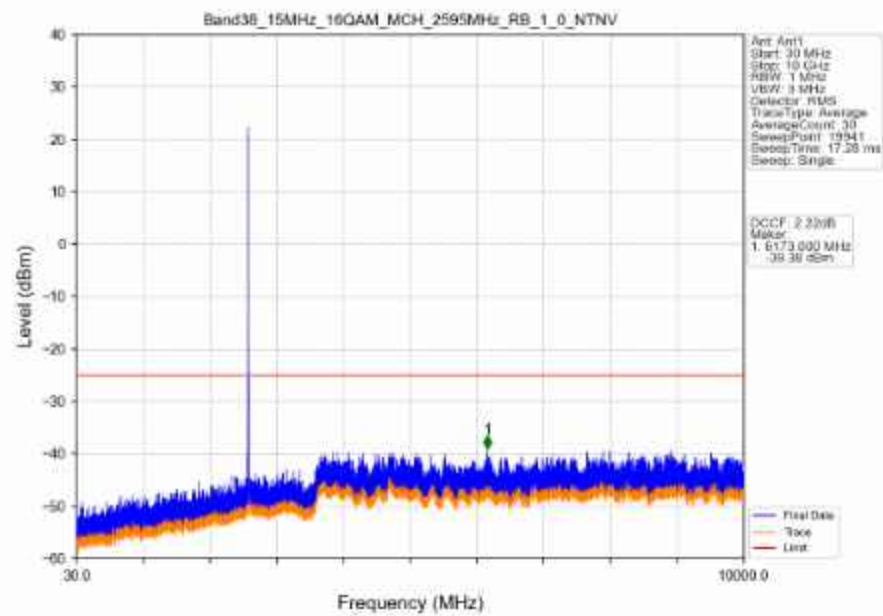
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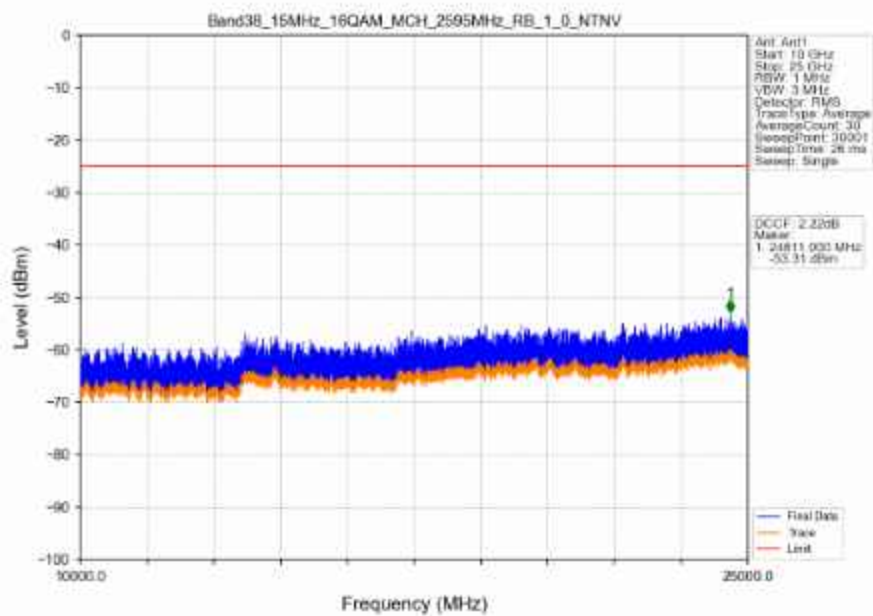
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



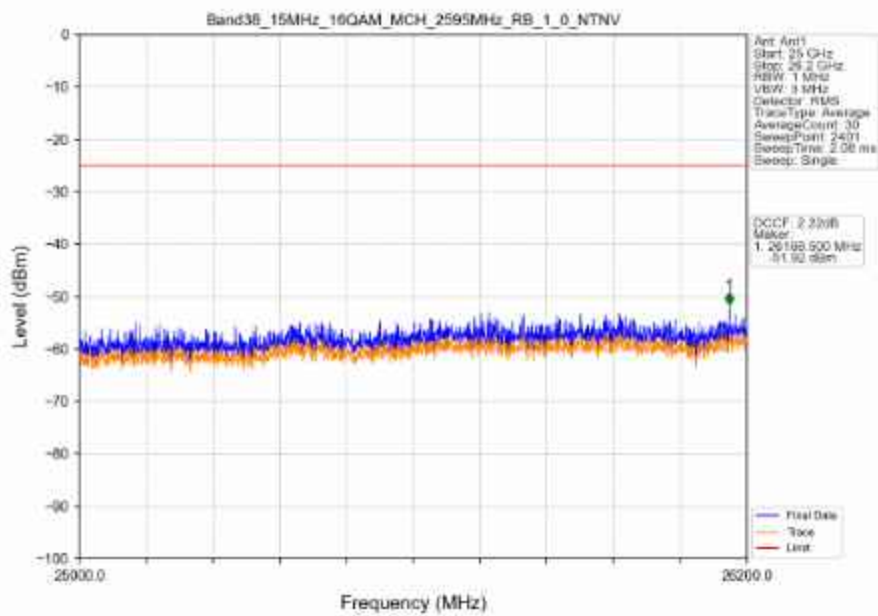
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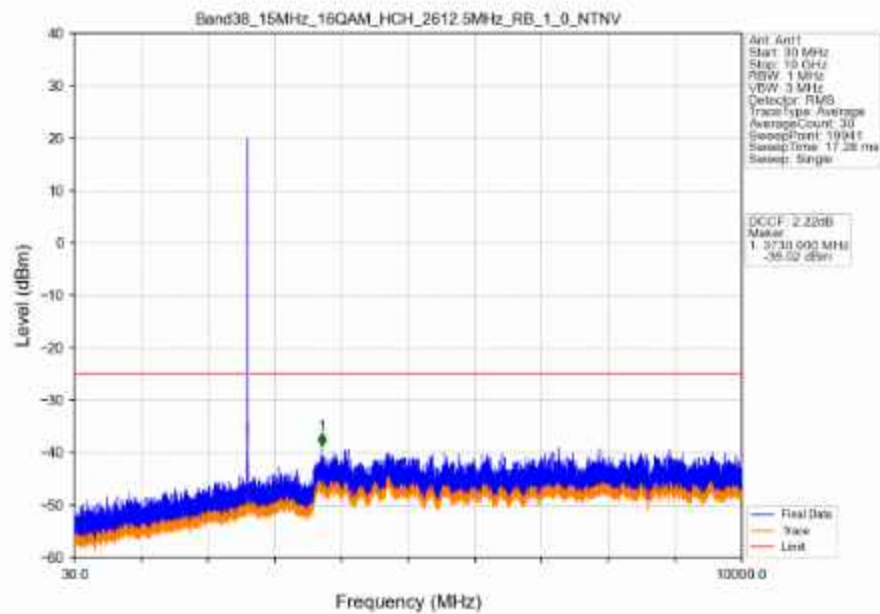
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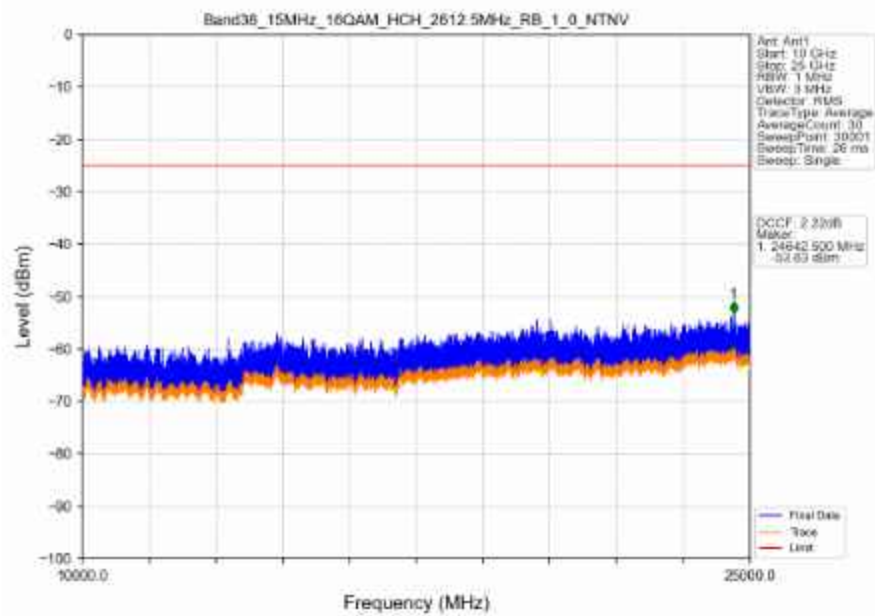
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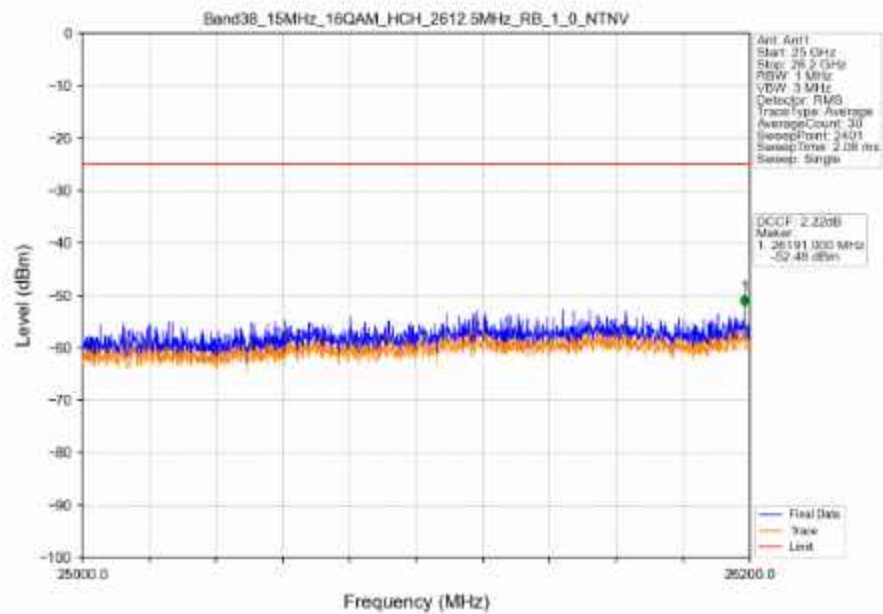
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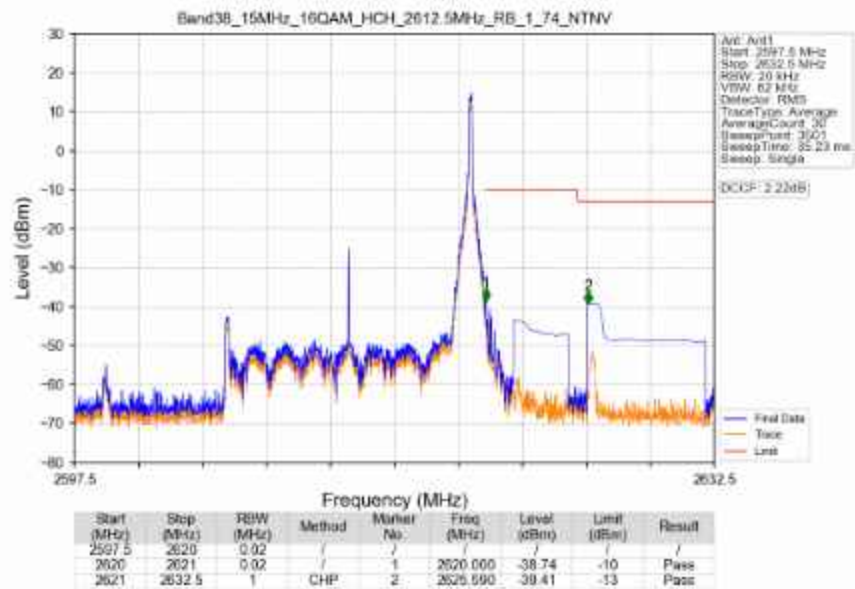
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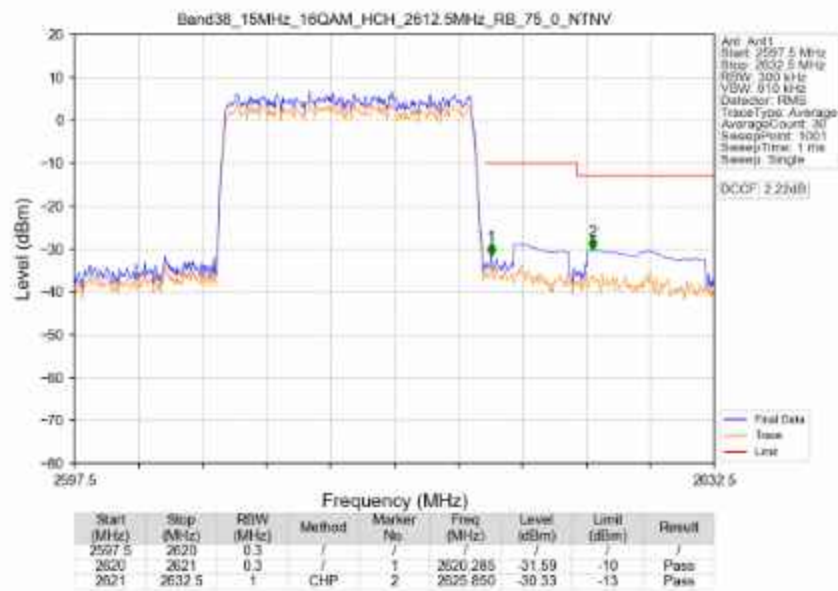
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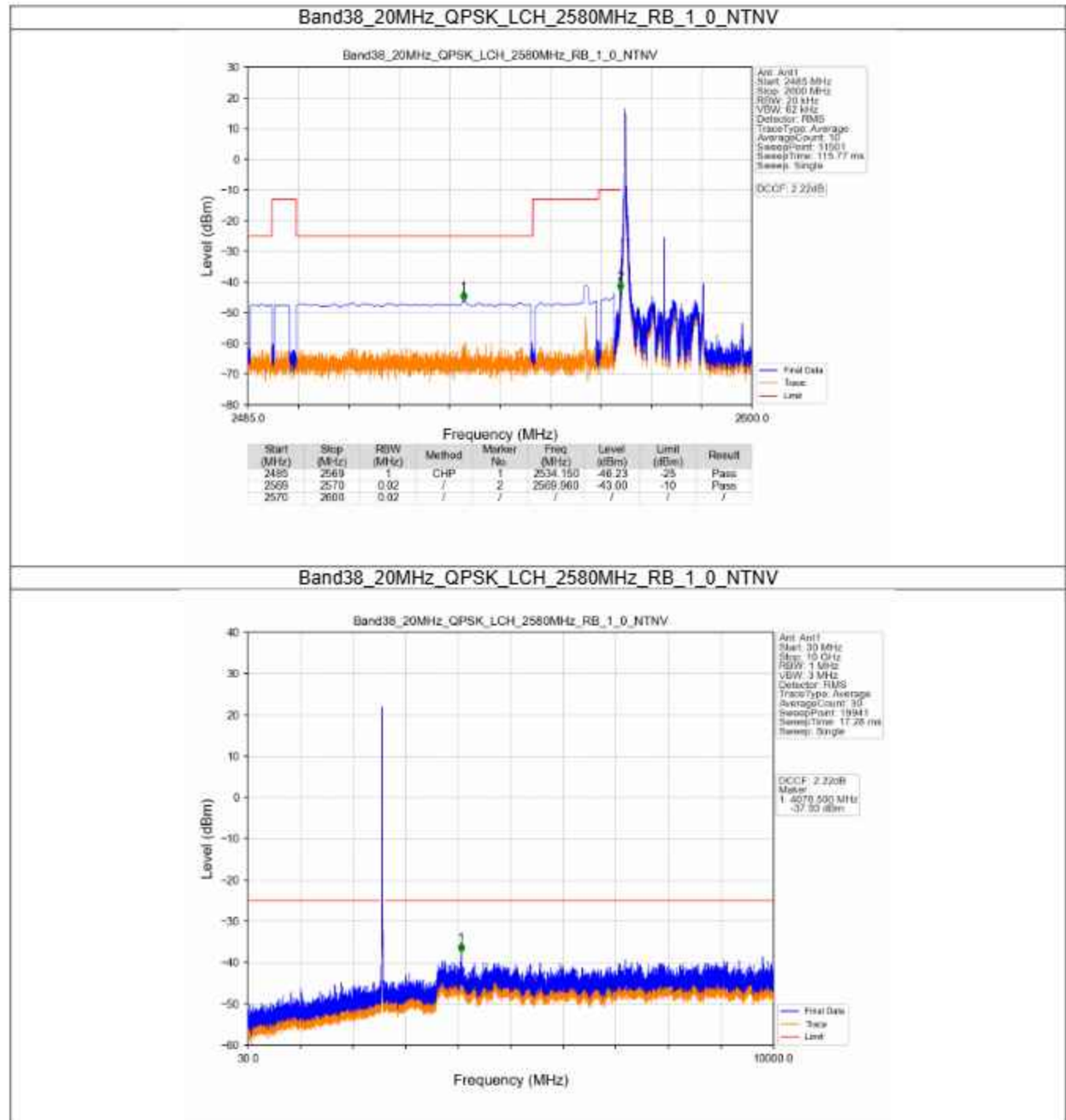
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV



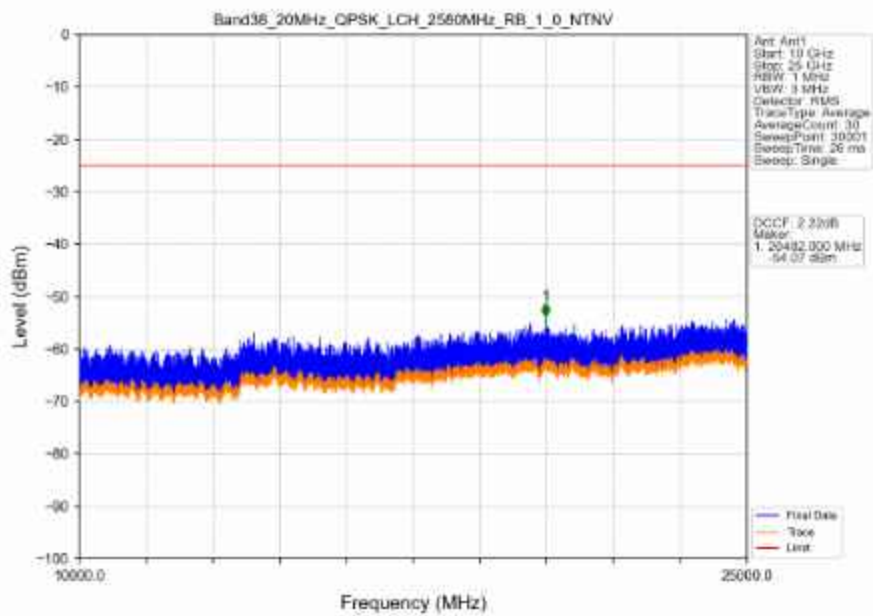
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



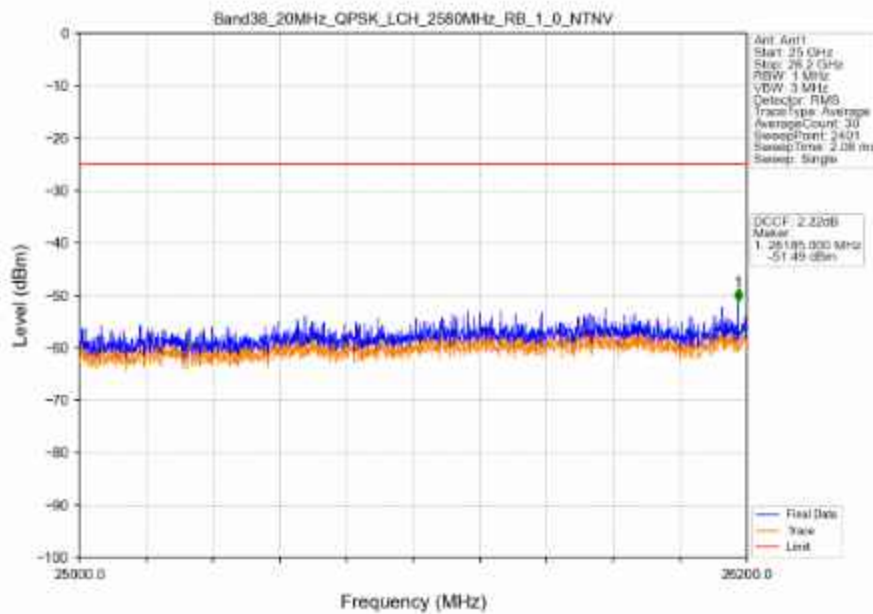
5.2.4 B38_20MHz



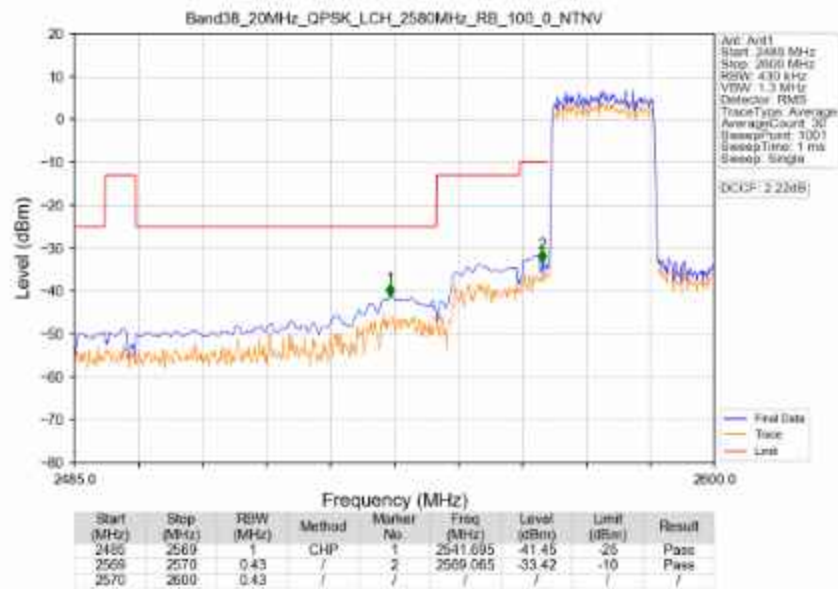
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



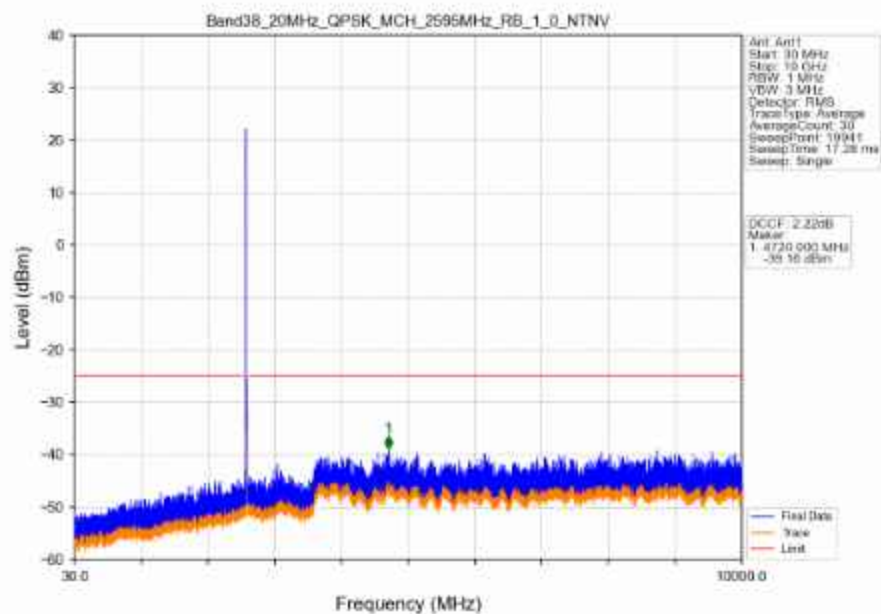
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



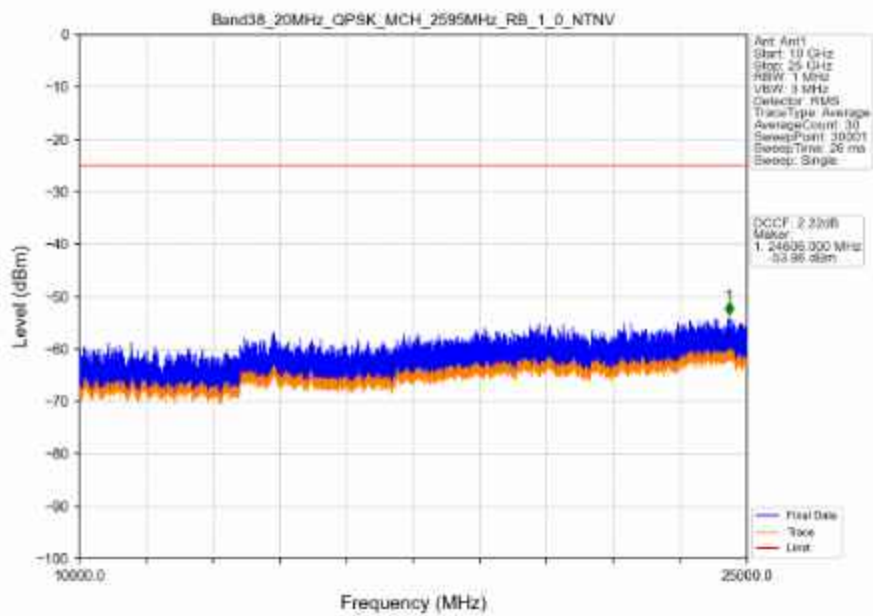
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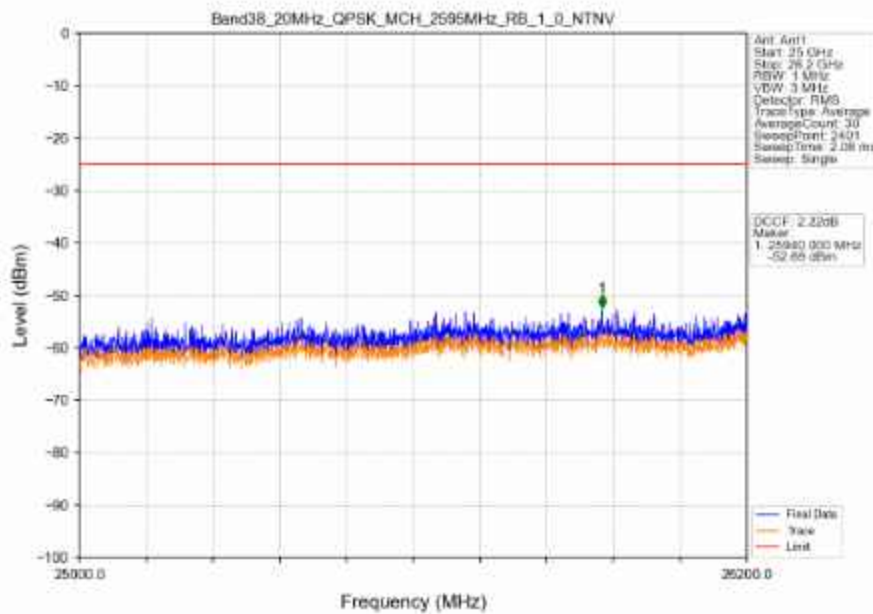
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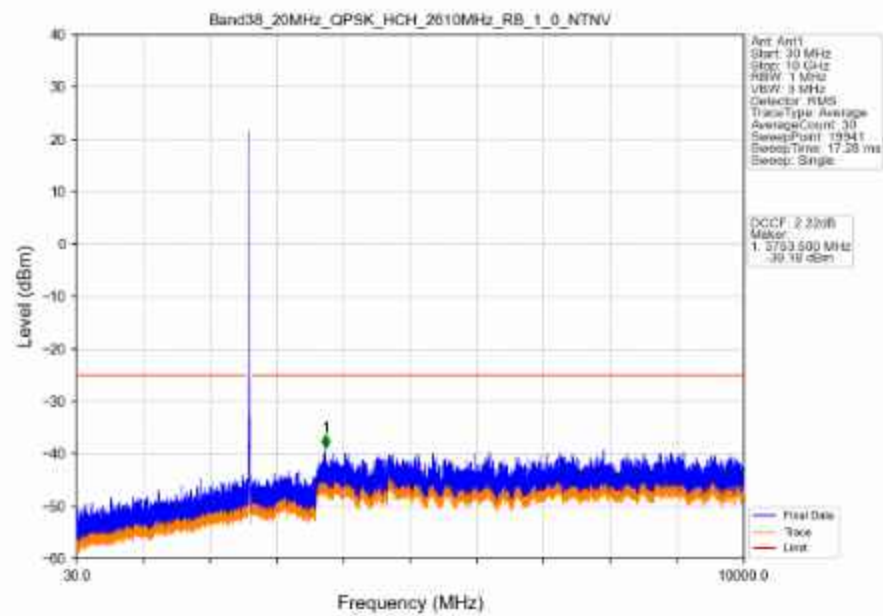
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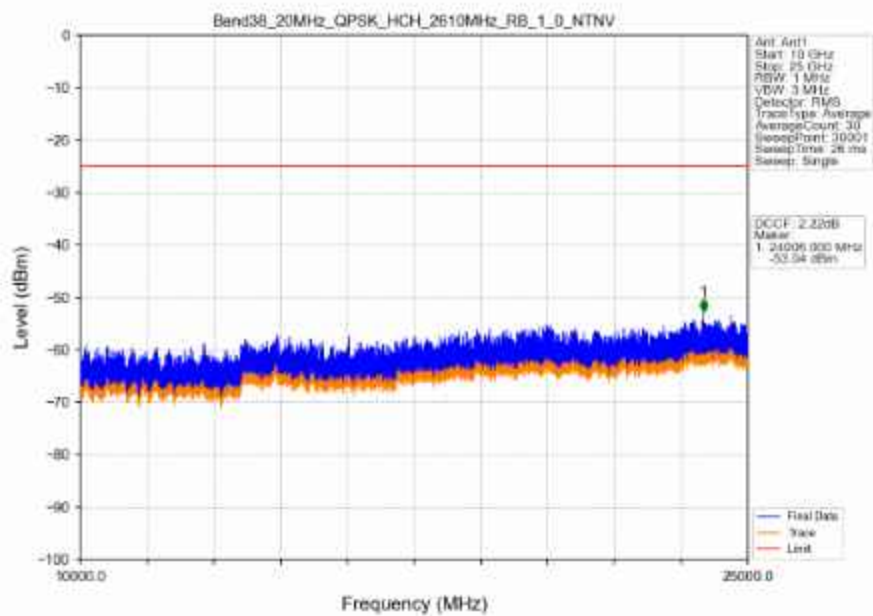
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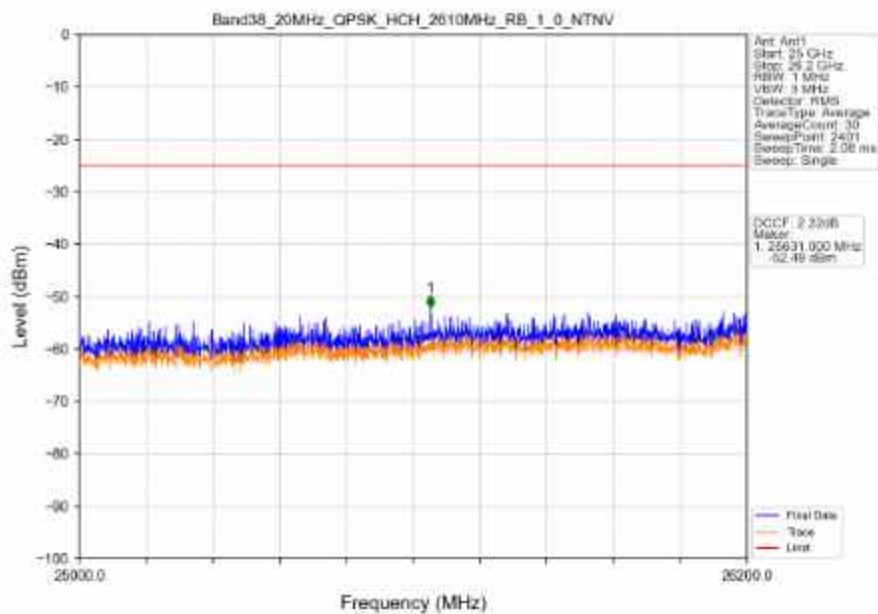
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



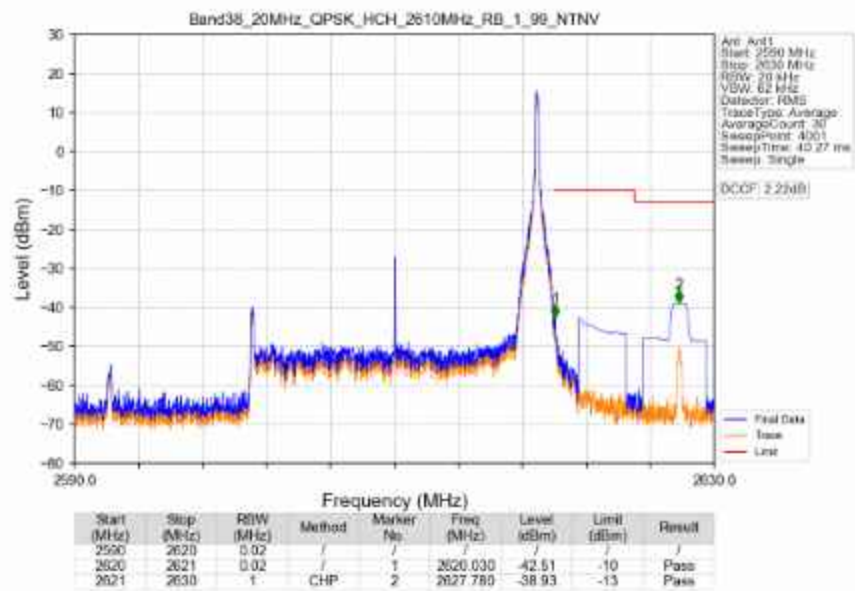
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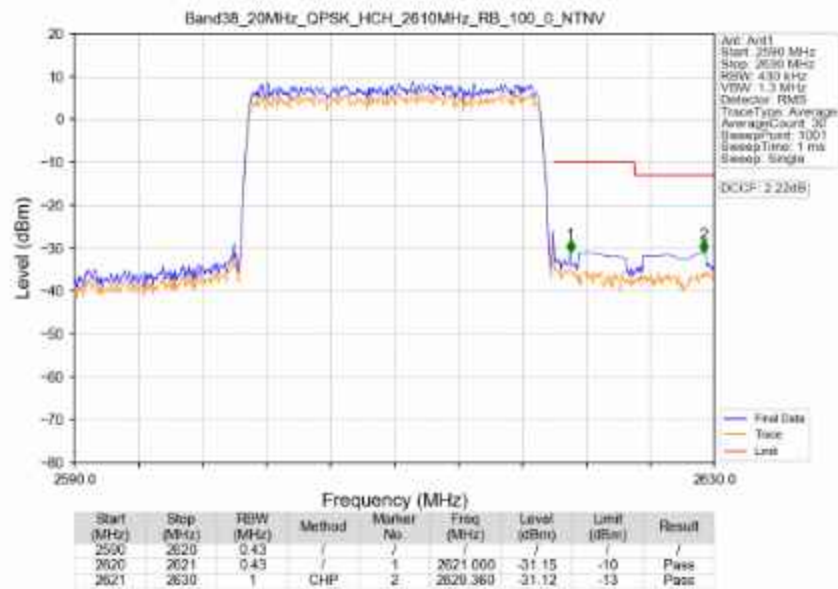
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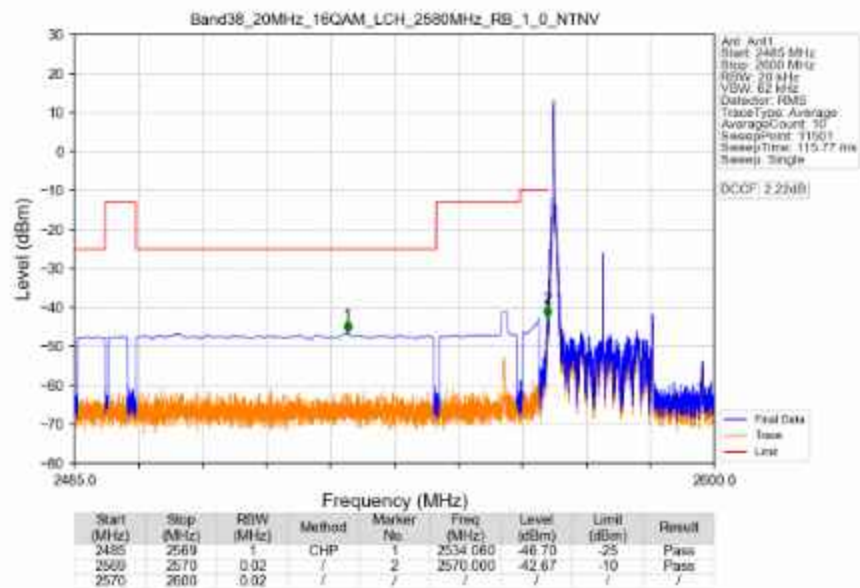
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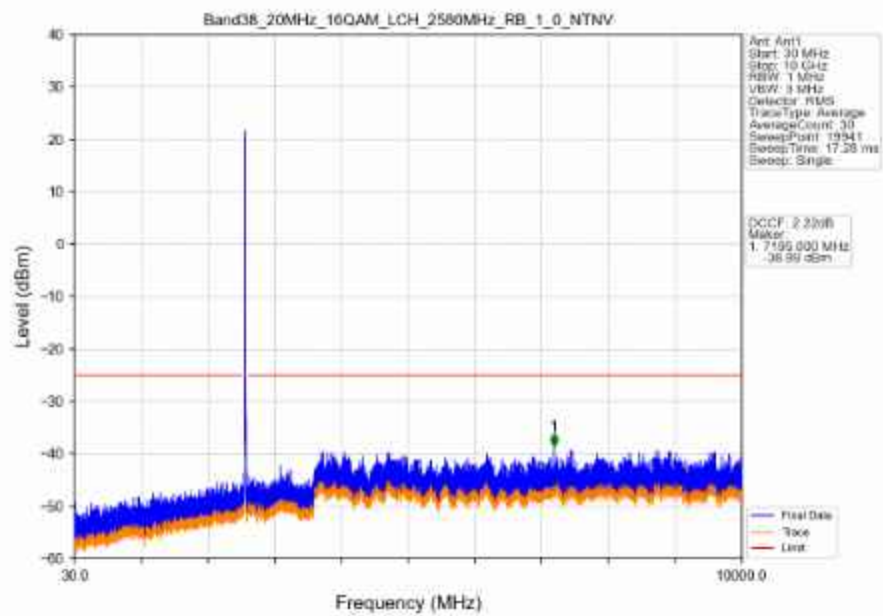
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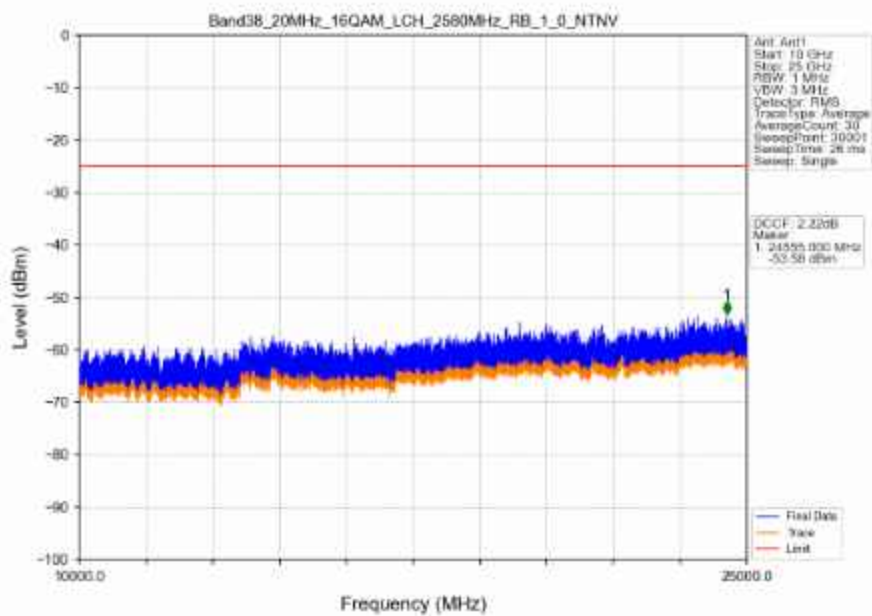
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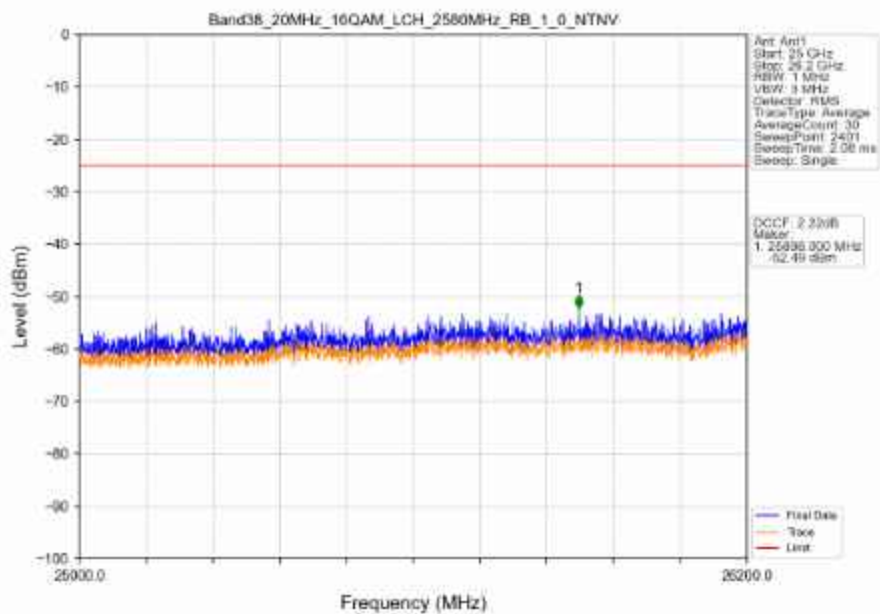
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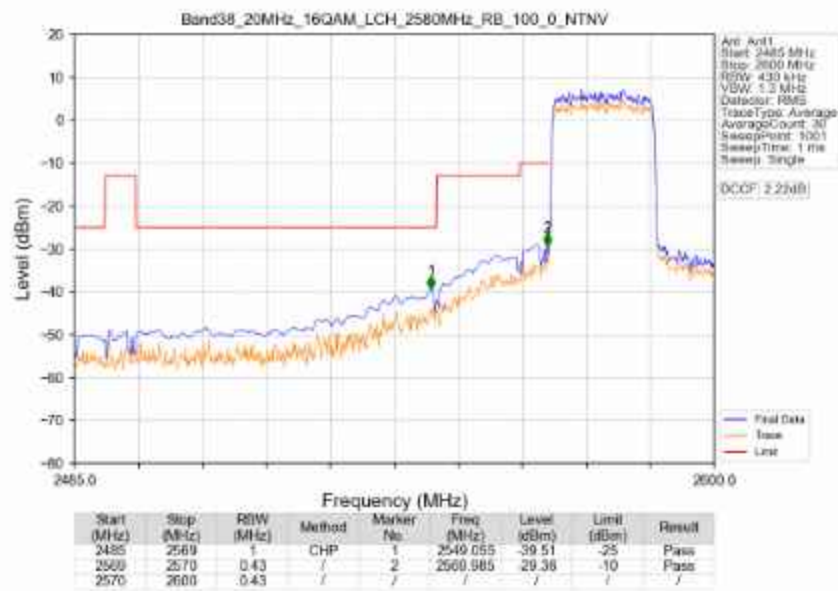
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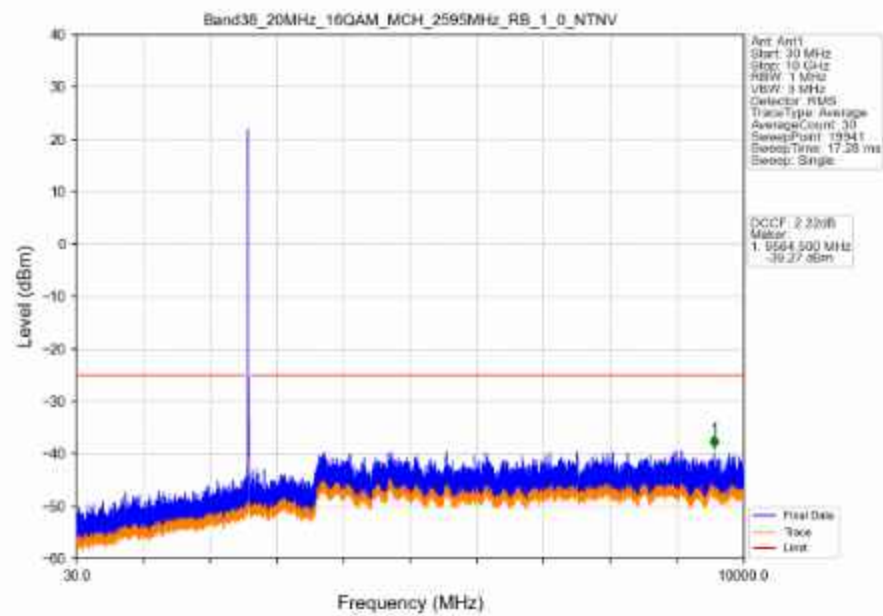
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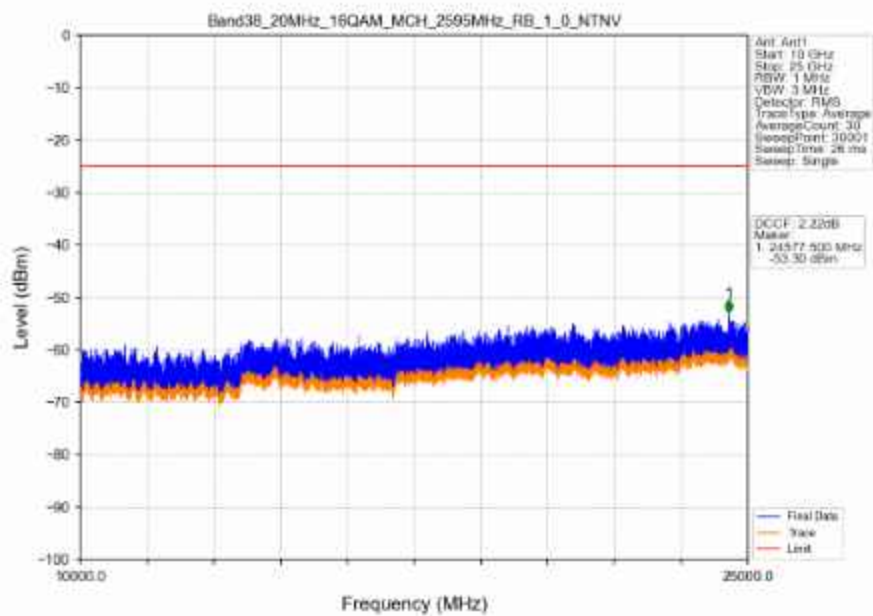
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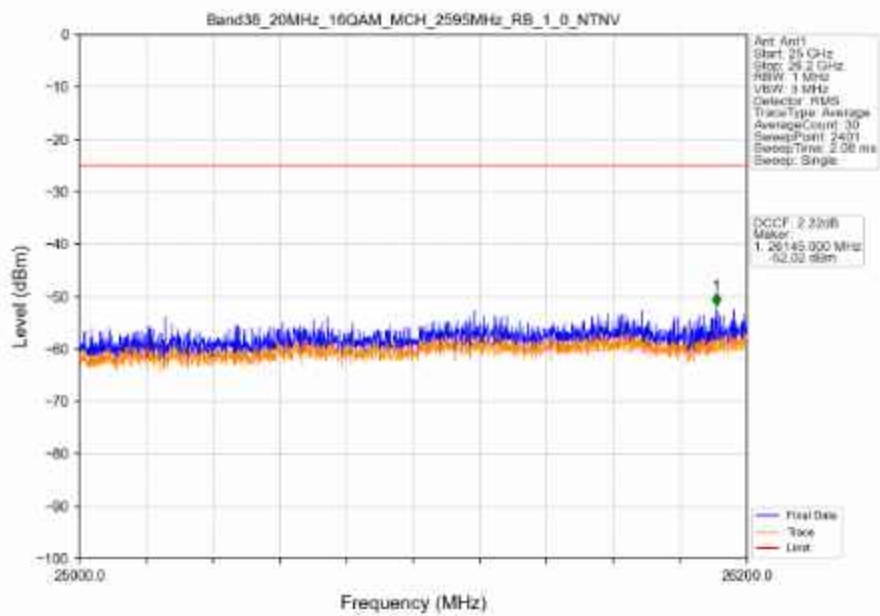
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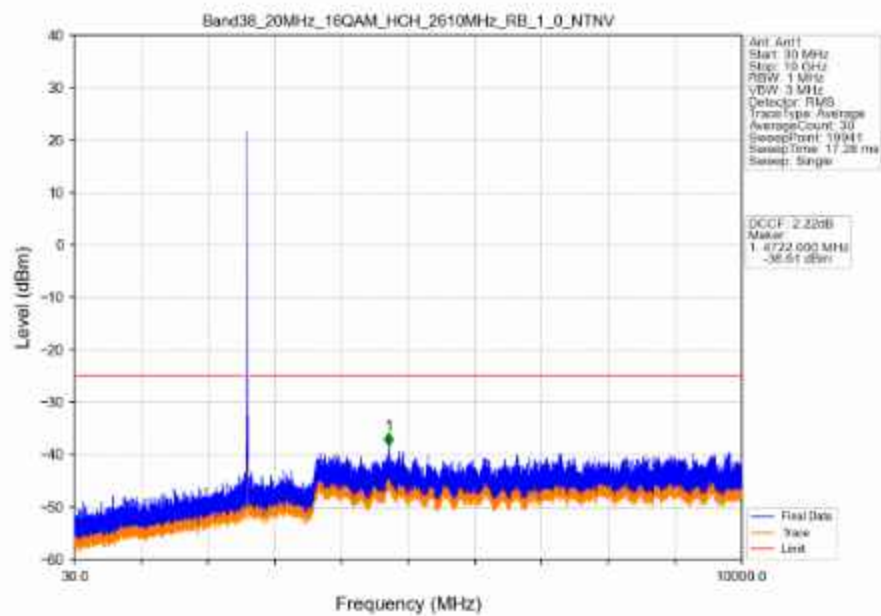
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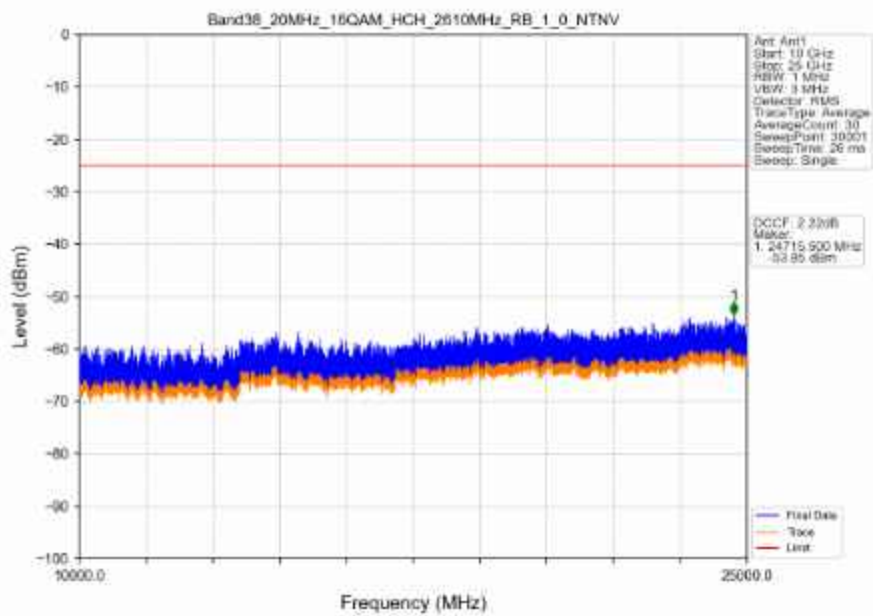
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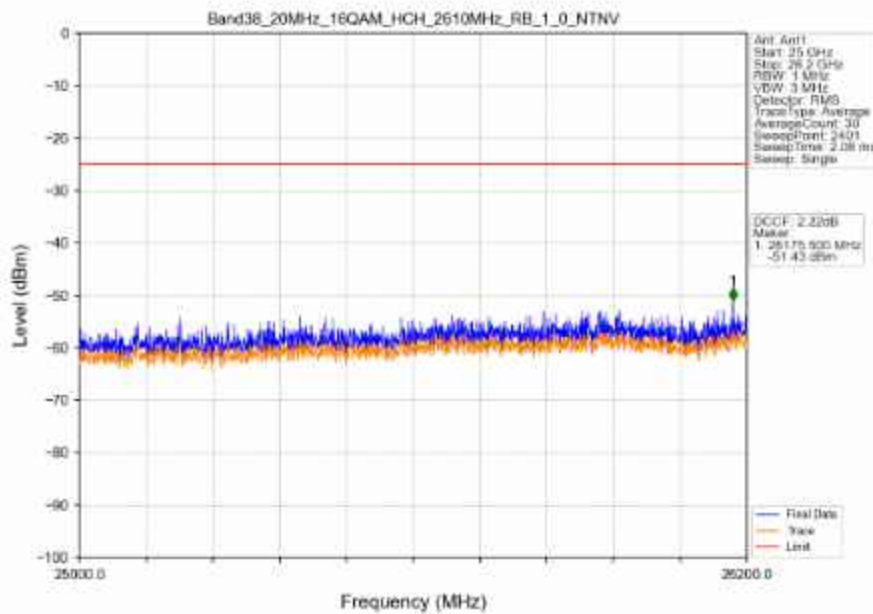
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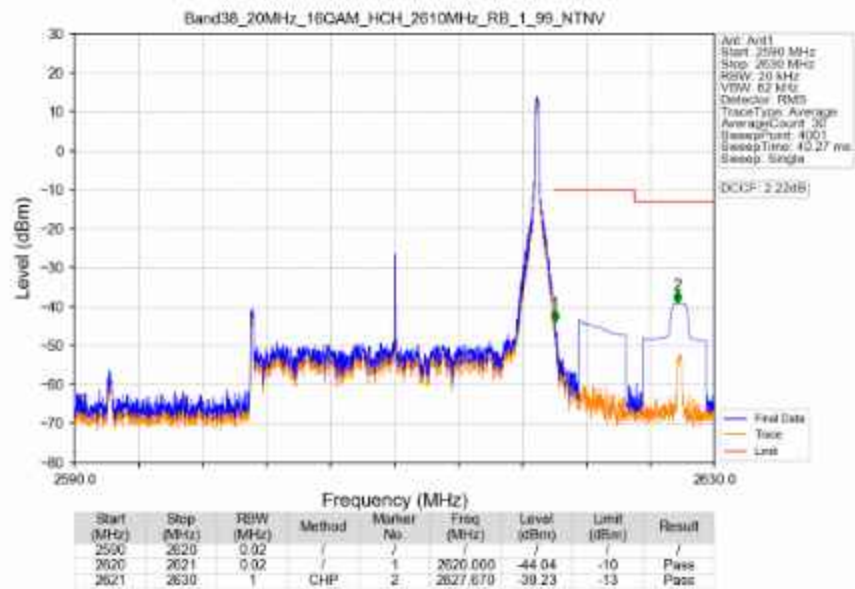
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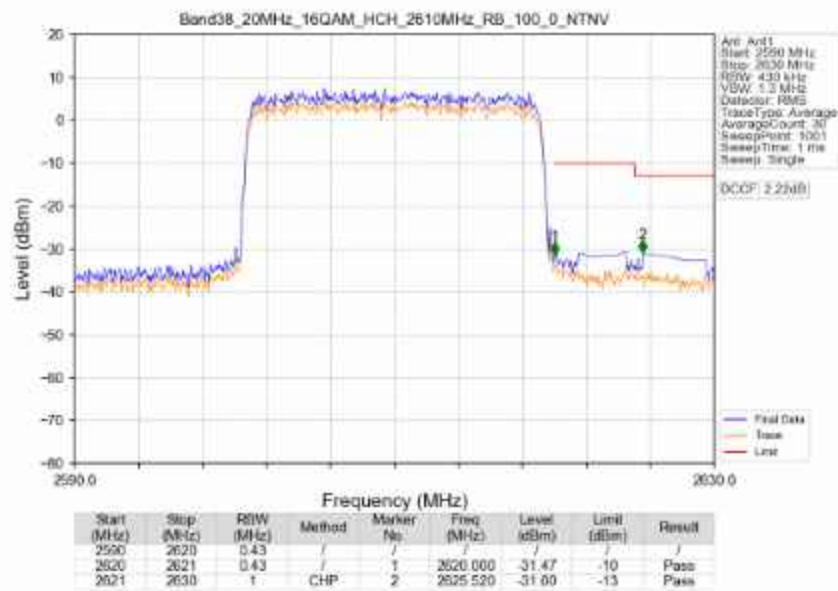
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_1_99_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



6. Field Strength of Spurious Radiation

LTE Band 38-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5142.0	-59.08	-25	-34.08	-65.06	4.25	10.23	Horizontal	Pass
7713.0	-55.65	-25	-30.65	-63.41	4.23	11.99	Horizontal	Pass
10284.0	-52.84	-25	-27.84	-60.84	5.08	13.08	Horizontal	Pass
5142.0	-59.43	-25	-34.43	-65.41	4.25	10.23	Vertical	Pass
7713.0	-56.66	-25	-31.66	-64.42	4.23	11.99	Vertical	Pass
10284.0	-53.66	-25	-28.66	-61.66	5.08	13.08	Vertical	Pass

LTE Band 38-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5172.0	-58.64	-25	-33.64	-64.64	4.25	10.25	Horizontal	Pass
7758.0	-55.73	-25	-30.73	-63.54	4.23	12.04	Horizontal	Pass
10344.0	-53.86	-25	-28.86	-61.87	5.08	13.09	Horizontal	Pass
5172.0	-59.2	-25	-34.2	-65.2	4.25	10.25	Vertical	Pass
7758.0	-56.67	-25	-31.67	-64.48	4.23	12.04	Vertical	Pass
10344.0	-54.27	-25	-29.27	-62.28	5.08	13.09	Vertical	Pass

LTE Band 38-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5202.0	-59.05	-25	-34.05	-65.07	4.25	10.27	Horizontal	Pass
7803.0	-56.62	-25	-31.62	-64.49	4.23	12.1	Horizontal	Pass
10404.0	-53.88	-25	-28.88	-61.9	5.08	13.1	Horizontal	Pass
5202.0	-57.72	-25	-32.72	-63.74	4.25	10.27	Vertical	Pass
7803.0	-56.41	-25	-31.41	-64.28	4.23	12.1	Vertical	Pass
10404.0	-53.29	-25	-28.29	-61.31	5.08	13.1	Vertical	Pass