

Appendix C for KSCR2207001116AT-FCC-LTE-Band38

1. Effective (Isotropic) Radiated Power Output Data

1.1 B38_5MHz_EIRP

1.1.1 Test Result

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	22.13	0.52	22.65	<=33.01	Pass		
			13	22.34	0.52	22.86	<=33.01	Pass		
			24	22.10	0.52	22.62	<=33.01	Pass		
		12	0	21.19	0.52	21.71	<=33.01	Pass		
			6	21.35	0.52	21.87	<=33.01	Pass		
			13	21.22	0.52	21.74	<=33.01	Pass		
		25	0	21.36	0.52	21.88	<=33.01	Pass		
		2595	1	0	22.51	0.52	23.03	<=33.01	Pass	
				13	22.68	0.52	23.20	<=33.01	Pass	
	24			22.62	0.52	23.14	<=33.01	Pass		
	12		0	21.65	0.52	22.17	<=33.01	Pass		
			6	21.80	0.52	22.32	<=33.01	Pass		
			13	21.73	0.52	22.25	<=33.01	Pass		
	25		0	21.71	0.52	22.23	<=33.01	Pass		
	2617.5		1	0	22.69	0.52	23.21	<=33.01	Pass	
				13	22.79	0.52	23.31	<=33.01	Pass	
		24		22.46	0.52	22.98	<=33.01	Pass		
		12	0	21.70	0.52	22.22	<=33.01	Pass		
			6	21.82	0.52	22.34	<=33.01	Pass		
			13	21.68	0.52	22.20	<=33.01	Pass		
		25	0	21.69	0.52	22.21	<=33.01	Pass		
		16QAM	2572.5	1	0	21.25	0.52	21.77	<=33.01	Pass
					13	21.40	0.52	21.92	<=33.01	Pass
	24				21.40	0.52	21.92	<=33.01	Pass	
12	0			20.18	0.52	20.70	<=33.01	Pass		
	6			20.32	0.52	20.84	<=33.01	Pass		
	13			20.20	0.52	20.72	<=33.01	Pass		
25	0			20.29	0.52	20.81	<=33.01	Pass		
2595	1			0	21.83	0.52	22.35	<=33.01	Pass	
				13	21.48	0.52	22.00	<=33.01	Pass	
			24	21.70	0.52	22.22	<=33.01	Pass		
	12		0	20.68	0.52	21.20	<=33.01	Pass		
			6	20.72	0.52	21.24	<=33.01	Pass		
			13	20.81	0.52	21.33	<=33.01	Pass		
	25		0	20.77	0.52	21.29	<=33.01	Pass		
	2617.5		1	0	21.68	0.52	22.20	<=33.01	Pass	
				13	22.05	0.52	22.57	<=33.01	Pass	
24				21.60	0.52	22.12	<=33.01	Pass		
12			0	20.79	0.52	21.31	<=33.01	Pass		
			6	20.82	0.52	21.34	<=33.01	Pass		

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64QAM	2572.5	25	13	20.64	0.52	21.16	<=33.01	Pass	
			0	20.62	0.52	21.14	<=33.01	Pass	
		1	0	20.15	0.52	20.67	<=33.01	Pass	
			13	20.37	0.52	20.89	<=33.01	Pass	
			24	19.85	0.52	20.37	<=33.01	Pass	
	12	0	19.15	0.52	19.67	<=33.01	Pass		
		6	19.11	0.52	19.63	<=33.01	Pass		
		13	19.15	0.52	19.67	<=33.01	Pass		
	25	0	19.21	0.52	19.73	<=33.01	Pass		
	2595	1	0	20.96	0.52	21.48	<=33.01	Pass	
			13	20.75	0.52	21.27	<=33.01	Pass	
			24	20.41	0.52	20.93	<=33.01	Pass	
		12	0	19.65	0.52	20.17	<=33.01	Pass	
			6	19.64	0.52	20.16	<=33.01	Pass	
			13	19.66	0.52	20.18	<=33.01	Pass	
		25	0	19.66	0.52	20.18	<=33.01	Pass	
		2617.5	1	0	20.90	0.52	21.42	<=33.01	Pass
				13	21.00	0.52	21.52	<=33.01	Pass
				24	20.82	0.52	21.34	<=33.01	Pass
	12		0	19.69	0.52	20.21	<=33.01	Pass	
			6	19.79	0.52	20.31	<=33.01	Pass	
			13	19.66	0.52	20.18	<=33.01	Pass	
	25		0	19.71	0.52	20.23	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	22.28	0.52	22.80	<=33.01	Pass
			25	22.45	0.52	22.97	<=33.01	Pass
			49	22.35	0.52	22.87	<=33.01	Pass
		25	0	21.36	0.52	21.88	<=33.01	Pass
			13	21.43	0.52	21.95	<=33.01	Pass
			25	21.41	0.52	21.93	<=33.01	Pass
		50	0	21.38	0.52	21.90	<=33.01	Pass
	2595	1	0	22.64	0.52	23.16	<=33.01	Pass
			25	23.02	0.52	23.54	<=33.01	Pass
			49	22.87	0.52	23.39	<=33.01	Pass
		25	0	21.74	0.52	22.26	<=33.01	Pass
			13	21.77	0.52	22.29	<=33.01	Pass
			25	21.93	0.52	22.45	<=33.01	Pass
		50	0	21.86	0.52	22.38	<=33.01	Pass
	2615	1	0	22.91	0.52	23.43	<=33.01	Pass
			25	22.97	0.52	23.49	<=33.01	Pass
			49	22.70	0.52	23.22	<=33.01	Pass
		25	0	21.87	0.52	22.39	<=33.01	Pass
			13	21.86	0.52	22.38	<=33.01	Pass



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16QAM	2575	50	25	21.82	0.52	22.34	<=33.01	Pass		
			0	21.88	0.52	22.40	<=33.01	Pass		
		1	25	0	21.49	0.52	22.01	<=33.01	Pass	
				25	21.49	0.52	22.01	<=33.01	Pass	
				49	21.19	0.52	21.71	<=33.01	Pass	
		25	50	0	20.43	0.52	20.95	<=33.01	Pass	
	13			20.33	0.52	20.85	<=33.01	Pass		
	25			20.52	0.52	21.04	<=33.01	Pass		
	2595	1	25	0	20.46	0.52	20.98	<=33.01	Pass	
				0	21.68	0.52	22.20	<=33.01	Pass	
				25	21.87	0.52	22.39	<=33.01	Pass	
				49	21.80	0.52	22.32	<=33.01	Pass	
				0	20.70	0.52	21.22	<=33.01	Pass	
				13	20.79	0.52	21.31	<=33.01	Pass	
		25	50	25	20.91	0.52	21.43	<=33.01	Pass	
				0	20.78	0.52	21.30	<=33.01	Pass	
				0	21.63	0.52	22.15	<=33.01	Pass	
		2615	1	25	0	21.73	0.52	22.25	<=33.01	Pass
49					21.58	0.52	22.10	<=33.01	Pass	
0					20.88	0.52	21.40	<=33.01	Pass	
25	50		13	20.91	0.52	21.43	<=33.01	Pass		
			25	20.80	0.52	21.32	<=33.01	Pass		
			0	20.83	0.52	21.35	<=33.01	Pass		
64QAM	2575	1	0	19.79	0.52	20.31	<=33.01	Pass		
			25	20.80	0.52	21.32	<=33.01	Pass		
			49	20.69	0.52	21.21	<=33.01	Pass		
		25	50	0	19.21	0.52	19.73	<=33.01	Pass	
				13	19.40	0.52	19.92	<=33.01	Pass	
				25	19.25	0.52	19.77	<=33.01	Pass	
	2595	1	25	0	19.36	0.52	19.88	<=33.01	Pass	
				0	20.25	0.52	20.77	<=33.01	Pass	
				25	21.31	0.52	21.83	<=33.01	Pass	
				49	20.90	0.52	21.42	<=33.01	Pass	
				0	19.59	0.52	20.11	<=33.01	Pass	
				13	19.85	0.52	20.37	<=33.01	Pass	
		25	50	25	19.68	0.52	20.20	<=33.01	Pass	
				0	19.78	0.52	20.30	<=33.01	Pass	
				0	20.52	0.52	21.04	<=33.01	Pass	
		2615	1	25	25	21.13	0.52	21.65	<=33.01	Pass
					49	20.36	0.52	20.88	<=33.01	Pass
					0	19.74	0.52	20.26	<=33.01	Pass
25	50		13	19.76	0.52	20.28	<=33.01	Pass		
			25	19.69	0.52	20.21	<=33.01	Pass		
			0	19.71	0.52	20.23	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNv



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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2577.5	1	0	22.27	0.52	22.79	<=33.01	Pass		
			38	22.45	0.52	22.97	<=33.01	Pass		
			74	22.43	0.52	22.95	<=33.01	Pass		
		36	0	21.36	0.52	21.88	<=33.01	Pass		
			18	21.43	0.52	21.95	<=33.01	Pass		
			39	21.52	0.52	22.04	<=33.01	Pass		
		75	0	21.46	0.52	21.98	<=33.01	Pass		
		2595	1	0	22.46	0.52	22.98	<=33.01	Pass	
				38	22.85	0.52	23.37	<=33.01	Pass	
	74			22.78	0.52	23.30	<=33.01	Pass		
	36		0	21.64	0.52	22.16	<=33.01	Pass		
			18	21.80	0.52	22.32	<=33.01	Pass		
			39	21.91	0.52	22.43	<=33.01	Pass		
	75		0	21.71	0.52	22.23	<=33.01	Pass		
	2612.5		1	0	22.85	0.52	23.37	<=33.01	Pass	
				38	22.82	0.52	23.34	<=33.01	Pass	
		74		22.71	0.52	23.23	<=33.01	Pass		
		36	0	21.84	0.52	22.36	<=33.01	Pass		
			18	21.85	0.52	22.37	<=33.01	Pass		
			39	21.90	0.52	22.42	<=33.01	Pass		
		75	0	21.84	0.52	22.36	<=33.01	Pass		
		16QAM	2577.5	1	0	21.35	0.52	21.87	<=33.01	Pass
					38	21.32	0.52	21.84	<=33.01	Pass
	74				21.57	0.52	22.09	<=33.01	Pass	
36	0			20.23	0.52	20.75	<=33.01	Pass		
	18			20.27	0.52	20.79	<=33.01	Pass		
	39			20.51	0.52	21.03	<=33.01	Pass		
75	0			20.42	0.52	20.94	<=33.01	Pass		
2595	1			0	21.27	0.52	21.79	<=33.01	Pass	
				38	21.70	0.52	22.22	<=33.01	Pass	
			74	21.50	0.52	22.02	<=33.01	Pass		
	36		0	20.59	0.52	21.11	<=33.01	Pass		
			18	20.79	0.52	21.31	<=33.01	Pass		
			39	20.87	0.52	21.39	<=33.01	Pass		
	75		0	20.74	0.52	21.26	<=33.01	Pass		
	2612.5		1	0	21.77	0.52	22.29	<=33.01	Pass	
				38	22.33	0.52	22.85	<=33.01	Pass	
74				22.08	0.52	22.60	<=33.01	Pass		
36			0	20.87	0.52	21.39	<=33.01	Pass		
			18	20.82	0.52	21.34	<=33.01	Pass		
			39	20.82	0.52	21.34	<=33.01	Pass		
75			0	20.82	0.52	21.34	<=33.01	Pass		
64QAM			2577.5	1	0	20.45	0.52	20.97	<=33.01	Pass
					38	19.83	0.52	20.35	<=33.01	Pass
	74				20.67	0.52	21.19	<=33.01	Pass	
	36	0		19.20	0.52	19.72	<=33.01	Pass		
		18		19.27	0.52	19.79	<=33.01	Pass		
		39		19.37	0.52	19.89	<=33.01	Pass		
	75	0		19.24	0.52	19.76	<=33.01	Pass		
	2595	1		0	20.53	0.52	21.05	<=33.01	Pass	
				38	21.20	0.52	21.72	<=33.01	Pass	



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	36	74	20.31	0.52	20.83	<=33.01	Pass	
		0	19.55	0.52	20.07	<=33.01	Pass	
		18	19.65	0.52	20.17	<=33.01	Pass	
		39	19.69	0.52	20.21	<=33.01	Pass	
	75	0	19.73	0.52	20.25	<=33.01	Pass	
	2612.5	1	0	20.84	0.52	21.36	<=33.01	Pass
			38	20.96	0.52	21.48	<=33.01	Pass
			74	20.85	0.52	21.37	<=33.01	Pass
		36	0	19.75	0.52	20.27	<=33.01	Pass
			18	19.90	0.52	20.42	<=33.01	Pass
			39	19.77	0.52	20.29	<=33.01	Pass
	75	0	19.76	0.52	20.28	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B38_20MHz_EIRP

1.4.1 Test Result

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	22.02	0.52	22.54	<=33.01	Pass	
			50	22.52	0.52	23.04	<=33.01	Pass	
			99	22.32	0.52	22.84	<=33.01	Pass	
		50	0	21.34	0.52	21.86	<=33.01	Pass	
			25	21.48	0.52	22.00	<=33.01	Pass	
			50	21.62	0.52	22.14	<=33.01	Pass	
	100	0	21.49	0.52	22.01	<=33.01	Pass		
	2595	1	0	22.17	0.52	22.69	<=33.01	Pass	
			50	22.91	0.52	23.43	<=33.01	Pass	
			99	22.51	0.52	23.03	<=33.01	Pass	
		50	0	21.56	0.52	22.08	<=33.01	Pass	
			25	21.74	0.52	22.26	<=33.01	Pass	
			50	21.80	0.52	22.32	<=33.01	Pass	
	100	0	21.69	0.52	22.21	<=33.01	Pass		
	2610	1	0	22.55	0.52	23.07	<=33.01	Pass	
			50	22.98	0.52	23.50	<=33.01	Pass	
			99	22.39	0.52	22.91	<=33.01	Pass	
		50	0	21.88	0.52	22.40	<=33.01	Pass	
			25	21.96	0.52	22.48	<=33.01	Pass	
			50	21.83	0.52	22.35	<=33.01	Pass	
	100	0	21.90	0.52	22.42	<=33.01	Pass		
	16QAM	2580	1	0	21.14	0.52	21.66	<=33.01	Pass
				50	21.67	0.52	22.19	<=33.01	Pass
				99	21.38	0.52	21.90	<=33.01	Pass
50			0	20.39	0.52	20.91	<=33.01	Pass	
			25	20.39	0.52	20.91	<=33.01	Pass	
			50	20.52	0.52	21.04	<=33.01	Pass	
100		0	20.52	0.52	21.04	<=33.01	Pass		
2595		1	0	21.04	0.52	21.56	<=33.01	Pass	
			50	22.14	0.52	22.66	<=33.01	Pass	



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64QAM	2610	50	99	21.41	0.52	21.93	<=33.01	Pass
			0	20.64	0.52	21.16	<=33.01	Pass
			25	20.80	0.52	21.32	<=33.01	Pass
		100	50	20.90	0.52	21.42	<=33.01	Pass
			0	20.77	0.52	21.29	<=33.01	Pass
			50	20.80	0.52	21.32	<=33.01	Pass
	2580	1	0	21.55	0.52	22.07	<=33.01	Pass
			50	21.63	0.52	22.15	<=33.01	Pass
			99	21.47	0.52	21.99	<=33.01	Pass
		50	0	20.80	0.52	21.32	<=33.01	Pass
			25	20.83	0.52	21.35	<=33.01	Pass
			50	20.80	0.52	21.32	<=33.01	Pass
	2595	1	0	20.15	0.52	20.67	<=33.01	Pass
			50	20.51	0.52	21.03	<=33.01	Pass
			99	20.37	0.52	20.89	<=33.01	Pass
		50	0	19.24	0.52	19.76	<=33.01	Pass
			25	19.49	0.52	20.01	<=33.01	Pass
			50	19.55	0.52	20.07	<=33.01	Pass
	2610	1	0	19.45	0.52	19.97	<=33.01	Pass
			50	19.77	0.52	20.29	<=33.01	Pass
			99	20.84	0.52	21.36	<=33.01	Pass
		50	0	20.34	0.52	20.86	<=33.01	Pass
			25	19.54	0.52	20.06	<=33.01	Pass
			50	19.71	0.52	20.23	<=33.01	Pass
2610	1	0	19.75	0.52	20.27	<=33.01	Pass	
		50	19.70	0.52	20.22	<=33.01	Pass	
		99	20.64	0.52	21.16	<=33.01	Pass	
	50	0	20.82	0.52	21.34	<=33.01	Pass	
		25	20.65	0.52	21.17	<=33.01	Pass	
		50	19.89	0.52	20.41	<=33.01	Pass	
100	0	19.86	0.52	20.38	<=33.01	Pass		
	25	19.93	0.52	20.45	<=33.01	Pass		
	50	19.80	0.52	20.32	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

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	3.23	4.063	0.0016	-2.5 to 2.5	Pass																		
									3.80	6.180	0.0024	-2.5 to 2.5	Pass														
													4.37	-2.289	-0.0009	-2.5 to 2.5	Pass										
																	-30	3.80	2.775	0.0011	-2.5 to 2.5	Pass					
																						-20	3.80	-1.602	-0.0006	-2.5 to 2.5	Pass
																											-10

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16QAM	2595	25	0	0	3.80	0.801	0.0003	-2.5 to 2.5	Pass			
				10	3.80	-1.259	-0.0005	-2.5 to 2.5	Pass			
				30	3.80	-1.359	-0.0005	-2.5 to 2.5	Pass			
				40	3.80	3.934	0.0015	-2.5 to 2.5	Pass			
				50	3.80	5.922	0.0023	-2.5 to 2.5	Pass			
				2617.5	25	0	20	3.23	1.044	0.0004	-2.5 to 2.5	Pass
								3.80	7.195	0.0028	-2.5 to 2.5	Pass
								4.37	1.373	0.0005	-2.5 to 2.5	Pass
							-30	3.80	2.761	0.0011	-2.5 to 2.5	Pass
							-20	3.80	-0.329	-0.0001	-2.5 to 2.5	Pass
							-10	3.80	5.622	0.0022	-2.5 to 2.5	Pass
							0	3.80	2.732	0.0011	-2.5 to 2.5	Pass
							10	3.80	6.552	0.0025	-2.5 to 2.5	Pass
							30	3.80	6.824	0.0026	-2.5 to 2.5	Pass
							40	3.80	-0.358	-0.0001	-2.5 to 2.5	Pass
	50	3.80	-2.089				-0.0008	-2.5 to 2.5	Pass			
	2617.5	25	0				20	3.23	6.552	0.0025	-2.5 to 2.5	Pass
								3.80	7.868	0.0030	-2.5 to 2.5	Pass
								4.37	6.480	0.0025	-2.5 to 2.5	Pass
							-30	3.80	1.688	0.0006	-2.5 to 2.5	Pass
				-20	3.80	5.608	0.0021	-2.5 to 2.5	Pass			
				-10	3.80	0.272	0.0001	-2.5 to 2.5	Pass			
				0	3.80	-0.372	-0.0001	-2.5 to 2.5	Pass			
				10	3.80	1.860	0.0007	-2.5 to 2.5	Pass			
				30	3.80	9.556	0.0037	-2.5 to 2.5	Pass			
				40	3.80	-2.289	-0.0009	-2.5 to 2.5	Pass			
				50	3.80	-1.788	-0.0007	-2.5 to 2.5	Pass			
				2572.5	25	0	20	3.23	-1.388	-0.0005	-2.5 to 2.5	Pass
								3.80	0.043	0.0000	-2.5 to 2.5	Pass
								4.37	-2.961	-0.0012	-2.5 to 2.5	Pass
							-30	3.80	3.934	0.0015	-2.5 to 2.5	Pass
	-20	3.80	3.748				0.0015	-2.5 to 2.5	Pass			
	-10	3.80	5.822				0.0023	-2.5 to 2.5	Pass			
	0	3.80	6.723				0.0026	-2.5 to 2.5	Pass			
	10	3.80	-1.202				-0.0005	-2.5 to 2.5	Pass			
	30	3.80	-2.761				-0.0011	-2.5 to 2.5	Pass			
	40	3.80	-0.587				-0.0002	-2.5 to 2.5	Pass			
	50	3.80	5.465				0.0021	-2.5 to 2.5	Pass			
	2595	25	0				20	3.23	-3.304	-0.0013	-2.5 to 2.5	Pass
								3.80	-0.930	-0.0004	-2.5 to 2.5	Pass
								4.37	7.610	0.0029	-2.5 to 2.5	Pass
							-30	3.80	5.322	0.0021	-2.5 to 2.5	Pass
				-20	3.80	9.012	0.0035	-2.5 to 2.5	Pass			
				-10	3.80	9.112	0.0035	-2.5 to 2.5	Pass			
				0	3.80	-0.629	-0.0002	-2.5 to 2.5	Pass			
10				3.80	6.480	0.0025	-2.5 to 2.5	Pass				
30				3.80	-3.119	-0.0012	-2.5 to 2.5	Pass				
40				3.80	1.845	0.0007	-2.5 to 2.5	Pass				
50				3.80	0.272	0.0001	-2.5 to 2.5	Pass				
2617.5				25	0	20	3.23	-1.001	-0.0004	-2.5 to 2.5	Pass	
							3.80	3.633	0.0014	-2.5 to 2.5	Pass	
							4.37	1.044	0.0004	-2.5 to 2.5	Pass	
						-30	3.80	5.794	0.0022	-2.5 to 2.5	Pass	



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				-20	3.80	-2.732	-0.0010	-2.5 to 2.5	Pass			
				-10	3.80	-2.303	-0.0009	-2.5 to 2.5	Pass			
				0	3.80	6.623	0.0025	-2.5 to 2.5	Pass			
				10	3.80	0.744	0.0003	-2.5 to 2.5	Pass			
				30	3.80	5.636	0.0022	-2.5 to 2.5	Pass			
				40	3.80	6.466	0.0025	-2.5 to 2.5	Pass			
				50	3.80	-0.601	-0.0002	-2.5 to 2.5	Pass			
64QAM	2572.5	25	0	20	3.23	-0.787	-0.0003	-2.5 to 2.5	Pass			
					3.80	0.114	0.0000	-2.5 to 2.5	Pass			
					4.37	6.366	0.0025	-2.5 to 2.5	Pass			
				-30	3.80	5.465	0.0021	-2.5 to 2.5	Pass			
				-20	3.80	6.194	0.0024	-2.5 to 2.5	Pass			
				-10	3.80	-0.129	-0.0001	-2.5 to 2.5	Pass			
				0	3.80	6.180	0.0024	-2.5 to 2.5	Pass			
				10	3.80	0.343	0.0001	-2.5 to 2.5	Pass			
				30	3.80	5.994	0.0023	-2.5 to 2.5	Pass			
				40	3.80	-1.774	-0.0007	-2.5 to 2.5	Pass			
				50	3.80	-3.119	-0.0012	-2.5 to 2.5	Pass			
				2595	25	0	20	3.23	5.851	0.0023	-2.5 to 2.5	Pass
								3.80	0.644	0.0002	-2.5 to 2.5	Pass
								4.37	0.443	0.0002	-2.5 to 2.5	Pass
							-30	3.80	-2.346	-0.0009	-2.5 to 2.5	Pass
	-20	3.80	7.424				0.0029	-2.5 to 2.5	Pass			
	-10	3.80	7.582				0.0029	-2.5 to 2.5	Pass			
	0	3.80	6.337				0.0024	-2.5 to 2.5	Pass			
	10	3.80	-0.114				0.0000	-2.5 to 2.5	Pass			
	30	3.80	-0.472				-0.0002	-2.5 to 2.5	Pass			
	40	3.80	-0.472				-0.0002	-2.5 to 2.5	Pass			
	50	3.80	0.515				0.0002	-2.5 to 2.5	Pass			
	2617.5	25	0				20	3.23	8.240	0.0031	-2.5 to 2.5	Pass
								3.80	6.495	0.0025	-2.5 to 2.5	Pass
								4.37	5.708	0.0022	-2.5 to 2.5	Pass
							-30	3.80	0.772	0.0003	-2.5 to 2.5	Pass
				-20	3.80	1.073	0.0004	-2.5 to 2.5	Pass			
				-10	3.80	-1.388	-0.0005	-2.5 to 2.5	Pass			
				0	3.80	7.582	0.0029	-2.5 to 2.5	Pass			
				10	3.80	7.725	0.0030	-2.5 to 2.5	Pass			
30				3.80	1.802	0.0007	-2.5 to 2.5	Pass				
40				3.80	-1.245	-0.0005	-2.5 to 2.5	Pass				
50				3.80	0.372	0.0001	-2.5 to 2.5	Pass				

2.2 B38_10MHz

2.2.1 Test Result

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	3.23	1.130	0.0004	-2.5 to 2.5	Pass		
							3.80	1.316	0.0005	-2.5 to 2.5	Pass
							4.37	4.020	0.0016	-2.5 to 2.5	Pass



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16QAM	2595	50	0	-30	3.80	3.033	0.0012	-2.5 to 2.5	Pass			
				-20	3.80	3.777	0.0015	-2.5 to 2.5	Pass			
				-10	3.80	2.089	0.0008	-2.5 to 2.5	Pass			
				0	3.80	3.519	0.0014	-2.5 to 2.5	Pass			
				10	3.80	11.687	0.0045	-2.5 to 2.5	Pass			
				30	3.80	11.673	0.0045	-2.5 to 2.5	Pass			
				40	3.80	4.334	0.0017	-2.5 to 2.5	Pass			
				50	3.80	11.430	0.0044	-2.5 to 2.5	Pass			
	2615	50	0	20	3.23	4.234	0.0016	-2.5 to 2.5	Pass			
					3.80	5.636	0.0022	-2.5 to 2.5	Pass			
					4.37	7.911	0.0030	-2.5 to 2.5	Pass			
				-30	3.80	-0.329	-0.0001	-2.5 to 2.5	Pass			
				-20	3.80	6.108	0.0024	-2.5 to 2.5	Pass			
				-10	3.80	-0.629	-0.0002	-2.5 to 2.5	Pass			
				0	3.80	8.068	0.0031	-2.5 to 2.5	Pass			
				10	3.80	8.612	0.0033	-2.5 to 2.5	Pass			
				30	3.80	-0.472	-0.0002	-2.5 to 2.5	Pass			
				40	3.80	0.072	0.0000	-2.5 to 2.5	Pass			
				50	3.80	9.542	0.0037	-2.5 to 2.5	Pass			
				2575	50	0	20	3.23	11.601	0.0044	-2.5 to 2.5	Pass
								3.80	13.990	0.0053	-2.5 to 2.5	Pass
								4.37	5.221	0.0020	-2.5 to 2.5	Pass
							-30	3.80	14.749	0.0056	-2.5 to 2.5	Pass
	-20	3.80	6.680				0.0026	-2.5 to 2.5	Pass			
	-10	3.80	4.148				0.0016	-2.5 to 2.5	Pass			
	0	3.80	6.595				0.0025	-2.5 to 2.5	Pass			
	10	3.80	3.519				0.0013	-2.5 to 2.5	Pass			
	30	3.80	4.721				0.0018	-2.5 to 2.5	Pass			
	40	3.80	14.777				0.0057	-2.5 to 2.5	Pass			
	50	3.80	3.934				0.0015	-2.5 to 2.5	Pass			
	2595	50	0				20	3.23	2.818	0.0011	-2.5 to 2.5	Pass
				3.80	2.961	0.0011		-2.5 to 2.5	Pass			
				4.37	3.734	0.0015		-2.5 to 2.5	Pass			
				-30	3.80	1.774	0.0007	-2.5 to 2.5	Pass			
				-20	3.80	1.559	0.0006	-2.5 to 2.5	Pass			
				-10	3.80	1.273	0.0005	-2.5 to 2.5	Pass			
				0	3.80	13.704	0.0053	-2.5 to 2.5	Pass			
				10	3.80	4.392	0.0017	-2.5 to 2.5	Pass			
				30	3.80	3.662	0.0014	-2.5 to 2.5	Pass			
				40	3.80	11.487	0.0045	-2.5 to 2.5	Pass			
				50	3.80	3.991	0.0015	-2.5 to 2.5	Pass			
				2615	50	0	20	3.23	9.327	0.0036	-2.5 to 2.5	Pass
								3.80	6.866	0.0026	-2.5 to 2.5	Pass
								4.37	6.824	0.0026	-2.5 to 2.5	Pass
							-30	3.80	7.625	0.0029	-2.5 to 2.5	Pass
-20							3.80	9.027	0.0035	-2.5 to 2.5	Pass	
-10							3.80	0.715	0.0003	-2.5 to 2.5	Pass	
0							3.80	9.413	0.0036	-2.5 to 2.5	Pass	
10							3.80	8.583	0.0033	-2.5 to 2.5	Pass	
30							3.80	1.788	0.0007	-2.5 to 2.5	Pass	
40				3.80	-0.443	-0.0002	-2.5 to 2.5	Pass				
50	3.80	6.580	0.0025	-2.5 to 2.5	Pass							
2615	50	0	20	3.23	5.622	0.0021	-2.5 to 2.5	Pass				



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					3.80	13.089	0.0050	-2.5 to 2.5	Pass
					4.37	6.866	0.0026	-2.5 to 2.5	Pass
				-30	3.80	11.544	0.0044	-2.5 to 2.5	Pass
				-20	3.80	5.479	0.0021	-2.5 to 2.5	Pass
				-10	3.80	5.465	0.0021	-2.5 to 2.5	Pass
				0	3.80	3.147	0.0012	-2.5 to 2.5	Pass
				10	3.80	6.294	0.0024	-2.5 to 2.5	Pass
				30	3.80	13.776	0.0053	-2.5 to 2.5	Pass
				40	3.80	7.095	0.0027	-2.5 to 2.5	Pass
				50	3.80	14.420	0.0055	-2.5 to 2.5	Pass
64QAM	2575	50	0	20	3.23	11.516	0.0045	-2.5 to 2.5	Pass
					3.80	9.971	0.0039	-2.5 to 2.5	Pass
					4.37	14.763	0.0057	-2.5 to 2.5	Pass
				-30	3.80	10.715	0.0042	-2.5 to 2.5	Pass
				-20	3.80	3.247	0.0013	-2.5 to 2.5	Pass
				-10	3.80	3.333	0.0013	-2.5 to 2.5	Pass
				0	3.80	12.574	0.0049	-2.5 to 2.5	Pass
				10	3.80	1.702	0.0007	-2.5 to 2.5	Pass
				30	3.80	12.288	0.0048	-2.5 to 2.5	Pass
				40	3.80	10.843	0.0042	-2.5 to 2.5	Pass
	50	3.80	3.576	0.0014	-2.5 to 2.5	Pass			
	2595	50	0	20	3.23	0.043	0.0000	-2.5 to 2.5	Pass
					3.80	6.094	0.0023	-2.5 to 2.5	Pass
					4.37	-3.219	-0.0012	-2.5 to 2.5	Pass
				-30	3.80	0.544	0.0002	-2.5 to 2.5	Pass
				-20	3.80	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.80	7.968	0.0031	-2.5 to 2.5	Pass
				0	3.80	-1.245	-0.0005	-2.5 to 2.5	Pass
				10	3.80	-0.601	-0.0002	-2.5 to 2.5	Pass
				30	3.80	1.616	0.0006	-2.5 to 2.5	Pass
				40	3.80	6.351	0.0024	-2.5 to 2.5	Pass
	50	3.80	0.930	0.0004	-2.5 to 2.5	Pass			
	2615	50	0	20	3.23	10.886	0.0042	-2.5 to 2.5	Pass
					3.80	15.221	0.0058	-2.5 to 2.5	Pass
					4.37	14.033	0.0054	-2.5 to 2.5	Pass
				-30	3.80	11.158	0.0043	-2.5 to 2.5	Pass
				-20	3.80	11.230	0.0043	-2.5 to 2.5	Pass
				-10	3.80	5.007	0.0019	-2.5 to 2.5	Pass
				0	3.80	11.458	0.0044	-2.5 to 2.5	Pass
				10	3.80	3.991	0.0015	-2.5 to 2.5	Pass
30				3.80	4.950	0.0019	-2.5 to 2.5	Pass	
40				3.80	3.236	0.0013	-2.5 to 2.5	Pass	
50	3.80	5.565	0.0021	-2.5 to 2.5	Pass				

2.3 B38_15MHz

2.3.1 Test Result

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	



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QPSK	2577.5	75	0	20	3.23	3.905	0.0015	-2.5 to 2.5	Pass						
					3.80	3.576	0.0014	-2.5 to 2.5	Pass						
					4.37	11.945	0.0046	-2.5 to 2.5	Pass						
				-30	3.80	2.718	0.0011	-2.5 to 2.5	Pass						
										-20	3.80	10.500	0.0041	-2.5 to 2.5	Pass
											-10	3.80	12.975	0.0050	-2.5 to 2.5
				0	3.80	11.945	0.0046	-2.5 to 2.5	Pass						
										10	3.80	11.773	0.0046	-2.5 to 2.5	Pass
				30	3.80	12.059	0.0047	-2.5 to 2.5	Pass						
	40	3.80	1.302							0.0005	-2.5 to 2.5	Pass			
				50	3.80	4.892	0.0019	-2.5 to 2.5	Pass						
	20	75	0							20	3.23	8.440	0.0033	-2.5 to 2.5	Pass
				3.80	6.566	0.0025	-2.5 to 2.5	Pass							
				4.37	9.828	0.0038	-2.5 to 2.5	Pass							
	-30	3.80	7.410	0.0029	-2.5 to 2.5	Pass									
							-20	3.80	6.223	0.0024	-2.5 to 2.5	Pass			
								-10	3.80	-0.057	0.0000	-2.5 to 2.5	Pass		
	0	3.80	4.478	0.0017	-2.5 to 2.5	Pass									
							10	3.80	1.531	0.0006	-2.5 to 2.5	Pass			
	30	3.80	0.057	0.0000	-2.5 to 2.5	Pass									
							40	3.80	-2.618	-0.0010	-2.5 to 2.5	Pass			
	50	3.80	6.580	0.0025	-2.5 to 2.5	Pass									
							20	75	0	20	3.23	11.287	0.0043	-2.5 to 2.5	Pass
	3.80	11.358	0.0043	-2.5 to 2.5	Pass										
	4.37	9.370	0.0036	-2.5 to 2.5	Pass										
	-30	3.80	1.574	0.0006	-2.5 to 2.5	Pass									
							-20	3.80	4.206	0.0016	-2.5 to 2.5	Pass			
-10								3.80	9.885	0.0038	-2.5 to 2.5	Pass			
0	3.80	3.448	0.0013	-2.5 to 2.5	Pass										
						10	3.80	8.111	0.0031	-2.5 to 2.5	Pass				
30	3.80	-2.189	-0.0008	-2.5 to 2.5	Pass										
						40	3.80	9.112	0.0035	-2.5 to 2.5	Pass				
50	3.80	3.147	0.0012	-2.5 to 2.5	Pass										
						20	75	0	20	3.23	5.479	0.0021	-2.5 to 2.5	Pass	
3.80	2.689	0.0010	-2.5 to 2.5	Pass											
4.37	4.849	0.0019	-2.5 to 2.5	Pass											
-30	3.80	12.131	0.0047	-2.5 to 2.5	Pass										
						-20	3.80	12.202	0.0047	-2.5 to 2.5	Pass				
							-10	3.80	12.102	0.0047	-2.5 to 2.5	Pass			
0	3.80	8.783	0.0034	-2.5 to 2.5	Pass										
						10	3.80	8.268	0.0032	-2.5 to 2.5	Pass				
30	3.80	8.483	0.0033	-2.5 to 2.5	Pass										
						40	3.80	11.716	0.0045	-2.5 to 2.5	Pass				
50	3.80	10.157	0.0039	-2.5 to 2.5	Pass										
						20	75	0	20	3.23	8.168	0.0031	-2.5 to 2.5	Pass	
3.80	9.298	0.0036	-2.5 to 2.5	Pass											
4.37	0.315	0.0001	-2.5 to 2.5	Pass											
-30	3.80	6.509	0.0025	-2.5 to 2.5	Pass										
						-20	3.80	7.925	0.0031	-2.5 to 2.5	Pass				
							-10	3.80	1.645	0.0006	-2.5 to 2.5	Pass			
0	3.80	8.082	0.0031	-2.5 to 2.5	Pass										
						10	3.80	-1.602	-0.0006	-2.5 to 2.5	Pass				
30	3.80	5.679	0.0022	-2.5 to 2.5	Pass										

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	2612.5	75	0	40	3.80	0.143	0.0001	-2.5 to 2.5	Pass				
				50	3.80	-0.401	-0.0002	-2.5 to 2.5	Pass				
				20	3.23	3.190	0.0012	-2.5 to 2.5	Pass				
					3.80	9.227	0.0035	-2.5 to 2.5	Pass				
					4.37	3.376	0.0013	-2.5 to 2.5	Pass				
				-30	3.80	9.398	0.0036	-2.5 to 2.5	Pass				
				-20	3.80	9.713	0.0037	-2.5 to 2.5	Pass				
				-10	3.80	3.376	0.0013	-2.5 to 2.5	Pass				
				0	3.80	3.090	0.0012	-2.5 to 2.5	Pass				
				10	3.80	3.376	0.0013	-2.5 to 2.5	Pass				
				30	3.80	1.316	0.0005	-2.5 to 2.5	Pass				
				40	3.80	4.921	0.0019	-2.5 to 2.5	Pass				
				50	3.80	10.185	0.0039	-2.5 to 2.5	Pass				
				64QAM	2577.5	75	0	20	3.23	10.872	0.0042	-2.5 to 2.5	Pass
									3.80	9.871	0.0038	-2.5 to 2.5	Pass
									4.37	3.247	0.0013	-2.5 to 2.5	Pass
								-30	3.80	4.935	0.0019	-2.5 to 2.5	Pass
								-20	3.80	11.058	0.0043	-2.5 to 2.5	Pass
								-10	3.80	4.892	0.0019	-2.5 to 2.5	Pass
0	3.80	5.250	0.0020					-2.5 to 2.5	Pass				
10	3.80	2.275	0.0009					-2.5 to 2.5	Pass				
30	3.80	9.899	0.0038					-2.5 to 2.5	Pass				
40	3.80	11.916	0.0046		-2.5 to 2.5	Pass							
50	3.80	10.171	0.0039		-2.5 to 2.5	Pass							
2595	75	0	20		3.23	-0.558	-0.0002	-2.5 to 2.5	Pass				
					3.80	6.309	0.0024	-2.5 to 2.5	Pass				
					4.37	-0.744	-0.0003	-2.5 to 2.5	Pass				
			-30		3.80	5.808	0.0022	-2.5 to 2.5	Pass				
			-20		3.80	6.123	0.0024	-2.5 to 2.5	Pass				
			-10		3.80	-0.672	-0.0003	-2.5 to 2.5	Pass				
			0		3.80	-1.760	-0.0007	-2.5 to 2.5	Pass				
			10		3.80	-1.473	-0.0006	-2.5 to 2.5	Pass				
			30	3.80	4.992	0.0019	-2.5 to 2.5	Pass					
40	3.80	7.982	0.0031	-2.5 to 2.5	Pass								
50	3.80	-2.689	-0.0010	-2.5 to 2.5	Pass								
2612.5	75	0	20	3.23	2.403	0.0009	-2.5 to 2.5	Pass					
				3.80	9.656	0.0037	-2.5 to 2.5	Pass					
				4.37	6.094	0.0023	-2.5 to 2.5	Pass					
			-30	3.80	10.471	0.0040	-2.5 to 2.5	Pass					
			-20	3.80	3.920	0.0015	-2.5 to 2.5	Pass					
			-10	3.80	10.085	0.0039	-2.5 to 2.5	Pass					
			0	3.80	-0.114	0.0000	-2.5 to 2.5	Pass					
			10	3.80	10.428	0.0040	-2.5 to 2.5	Pass					
			30	3.80	11.730	0.0045	-2.5 to 2.5	Pass					
40	3.80	4.320	0.0017	-2.5 to 2.5	Pass								
50	3.80	6.967	0.0027	-2.5 to 2.5	Pass								

2.4 B38_20MHz

2.4.1 Test Result



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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	3.23	-1.402	-0.0005	-2.5 to 2.5	Pass
					3.80	-0.930	-0.0004	-2.5 to 2.5	Pass
					4.37	-1.631	-0.0006	-2.5 to 2.5	Pass
				-30	3.80	6.952	0.0027	-2.5 to 2.5	Pass
				-20	3.80	0.343	0.0001	-2.5 to 2.5	Pass
				-10	3.80	7.567	0.0029	-2.5 to 2.5	Pass
				0	3.80	-1.101	-0.0004	-2.5 to 2.5	Pass
				10	3.80	2.131	0.0008	-2.5 to 2.5	Pass
				30	3.80	2.475	0.0010	-2.5 to 2.5	Pass
				40	3.80	-1.860	-0.0007	-2.5 to 2.5	Pass
	50	3.80	6.309	0.0024	-2.5 to 2.5	Pass			
	2595	100	0	20	3.23	5.536	0.0021	-2.5 to 2.5	Pass
					3.80	6.051	0.0023	-2.5 to 2.5	Pass
					4.37	0.687	0.0003	-2.5 to 2.5	Pass
				-30	3.80	6.895	0.0027	-2.5 to 2.5	Pass
				-20	3.80	6.838	0.0026	-2.5 to 2.5	Pass
				-10	3.80	7.210	0.0028	-2.5 to 2.5	Pass
				0	3.80	-0.401	-0.0002	-2.5 to 2.5	Pass
				10	3.80	-0.587	-0.0002	-2.5 to 2.5	Pass
				30	3.80	5.980	0.0023	-2.5 to 2.5	Pass
				40	3.80	7.954	0.0031	-2.5 to 2.5	Pass
	50	3.80	7.939	0.0031	-2.5 to 2.5	Pass			
	2610	100	0	20	3.23	4.621	0.0018	-2.5 to 2.5	Pass
					3.80	3.991	0.0015	-2.5 to 2.5	Pass
					4.37	2.847	0.0011	-2.5 to 2.5	Pass
				-30	3.80	5.980	0.0023	-2.5 to 2.5	Pass
				-20	3.80	-0.873	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	4.191	0.0016	-2.5 to 2.5	Pass
				0	3.80	5.221	0.0020	-2.5 to 2.5	Pass
				10	3.80	-0.787	-0.0003	-2.5 to 2.5	Pass
30				3.80	7.253	0.0028	-2.5 to 2.5	Pass	
40				3.80	3.405	0.0013	-2.5 to 2.5	Pass	
50	3.80	1.173	0.0004	-2.5 to 2.5	Pass				
16QAM	2580	100	0	20	3.23	8.340	0.0032	-2.5 to 2.5	Pass
					3.80	-0.615	-0.0002	-2.5 to 2.5	Pass
					4.37	0.172	0.0001	-2.5 to 2.5	Pass
				-30	3.80	3.004	0.0012	-2.5 to 2.5	Pass
				-20	3.80	8.969	0.0035	-2.5 to 2.5	Pass
				-10	3.80	9.499	0.0037	-2.5 to 2.5	Pass
				0	3.80	1.273	0.0005	-2.5 to 2.5	Pass
				10	3.80	1.588	0.0006	-2.5 to 2.5	Pass
				30	3.80	1.130	0.0004	-2.5 to 2.5	Pass
				40	3.80	2.031	0.0008	-2.5 to 2.5	Pass
	50	3.80	7.939	0.0031	-2.5 to 2.5	Pass			
	2595	100	0	20	3.23	7.138	0.0028	-2.5 to 2.5	Pass
					3.80	6.437	0.0025	-2.5 to 2.5	Pass
					4.37	6.537	0.0025	-2.5 to 2.5	Pass
				-30	3.80	-0.629	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	-0.172	-0.0001	-2.5 to 2.5	Pass
				-10	3.80	-0.844	-0.0003	-2.5 to 2.5	Pass



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				0	3.80	0.658	0.0003	-2.5 to 2.5	Pass				
				10	3.80	5.751	0.0022	-2.5 to 2.5	Pass				
				30	3.80	7.997	0.0031	-2.5 to 2.5	Pass				
				40	3.80	-1.159	-0.0004	-2.5 to 2.5	Pass				
				50	3.80	7.854	0.0030	-2.5 to 2.5	Pass				
	2610	100	0	20	3.23	-1.116	-0.0004	-2.5 to 2.5	Pass				
					3.80	5.279	0.0020	-2.5 to 2.5	Pass				
					4.37	5.493	0.0021	-2.5 to 2.5	Pass				
				-30	3.80	5.407	0.0021	-2.5 to 2.5	Pass				
				-20	3.80	6.208	0.0024	-2.5 to 2.5	Pass				
				-10	3.80	-2.418	-0.0009	-2.5 to 2.5	Pass				
				0	3.80	5.751	0.0022	-2.5 to 2.5	Pass				
				10	3.80	5.765	0.0022	-2.5 to 2.5	Pass				
				30	3.80	-1.316	-0.0005	-2.5 to 2.5	Pass				
				40	3.80	-1.087	-0.0004	-2.5 to 2.5	Pass				
				50	3.80	-1.445	-0.0006	-2.5 to 2.5	Pass				
				64QAM	2580	100	0	20	3.23	-7.310	-0.0028	-2.5 to 2.5	Pass
									3.80	-6.766	-0.0026	-2.5 to 2.5	Pass
									4.37	-9.542	-0.0037	-2.5 to 2.5	Pass
								-30	3.80	-9.041	-0.0035	-2.5 to 2.5	Pass
-20	3.80	-13.433	-0.0052					-2.5 to 2.5	Pass				
-10	3.80	-7.367	-0.0029					-2.5 to 2.5	Pass				
0	3.80	-13.890	-0.0054					-2.5 to 2.5	Pass				
10	3.80	-9.556	-0.0037					-2.5 to 2.5	Pass				
30	3.80	-14.606	-0.0057					-2.5 to 2.5	Pass				
40	3.80	-5.751	-0.0022					-2.5 to 2.5	Pass				
50	3.80	-11.287	-0.0044		-2.5 to 2.5	Pass							
2595	100	0	20		3.23	-6.981	-0.0027	-2.5 to 2.5	Pass				
					3.80	-5.722	-0.0022	-2.5 to 2.5	Pass				
					4.37	-6.108	-0.0024	-2.5 to 2.5	Pass				
			-30		3.80	-5.937	-0.0023	-2.5 to 2.5	Pass				
			-20		3.80	-6.609	-0.0025	-2.5 to 2.5	Pass				
			-10		3.80	-7.825	-0.0030	-2.5 to 2.5	Pass				
			0		3.80	-3.676	-0.0014	-2.5 to 2.5	Pass				
			10		3.80	-6.537	-0.0025	-2.5 to 2.5	Pass				
			30		3.80	-5.836	-0.0022	-2.5 to 2.5	Pass				
			40	3.80	-5.951	-0.0023	-2.5 to 2.5	Pass					
50	3.80	-8.183	-0.0032	-2.5 to 2.5	Pass								
2610	100	0	20	3.23	-7.524	-0.0029	-2.5 to 2.5	Pass					
				3.80	-6.552	-0.0025	-2.5 to 2.5	Pass					
				4.37	-10.872	-0.0042	-2.5 to 2.5	Pass					
			-30	3.80	-6.523	-0.0025	-2.5 to 2.5	Pass					
			-20	3.80	-8.068	-0.0031	-2.5 to 2.5	Pass					
			-10	3.80	-9.384	-0.0036	-2.5 to 2.5	Pass					
			0	3.80	-7.682	-0.0029	-2.5 to 2.5	Pass					
			10	3.80	-13.204	-0.0051	-2.5 to 2.5	Pass					
			30	3.80	-11.373	-0.0044	-2.5 to 2.5	Pass					
			40	3.80	-9.584	-0.0037	-2.5 to 2.5	Pass					
50	3.80	-9.985	-0.0038	-2.5 to 2.5	Pass								

3. Modulation Characteristics



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3.1 B38_5MHz

3.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTN						
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
64QAM	2595	25	0	Refer To Test Graph		Pass

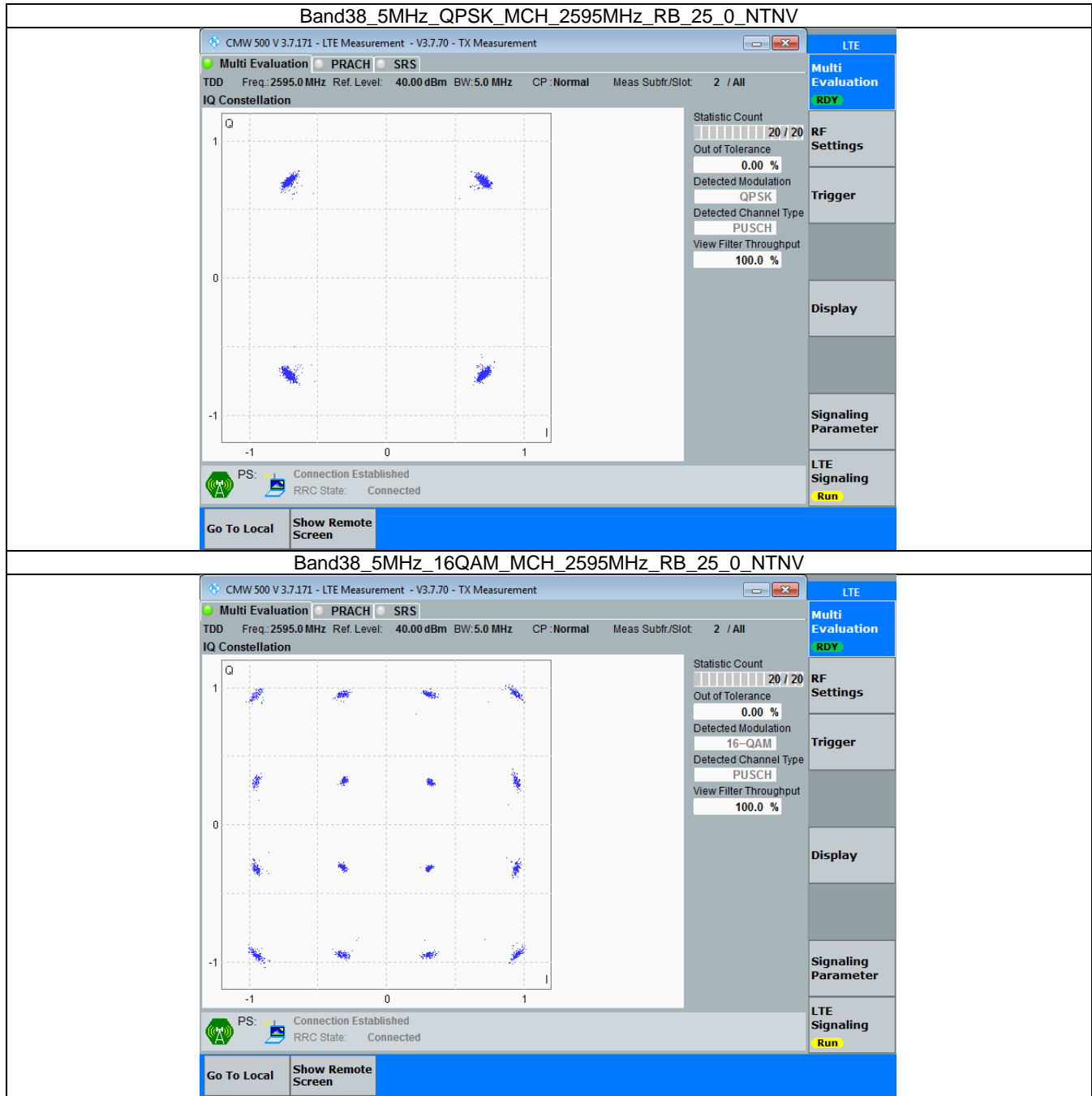


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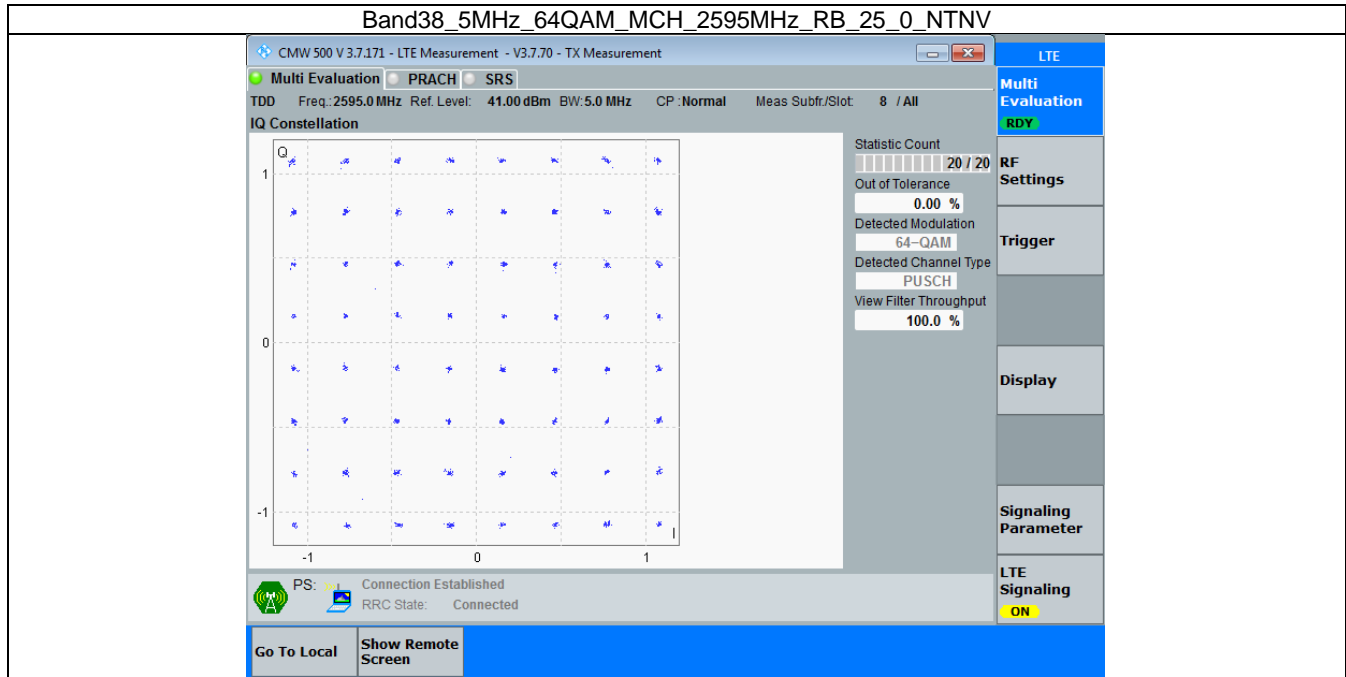
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3.1.2 Test Graph



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3.2 B38_10MHz

3.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTV						
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
64QAM	2595	50	0	Refer To Test Graph		Pass



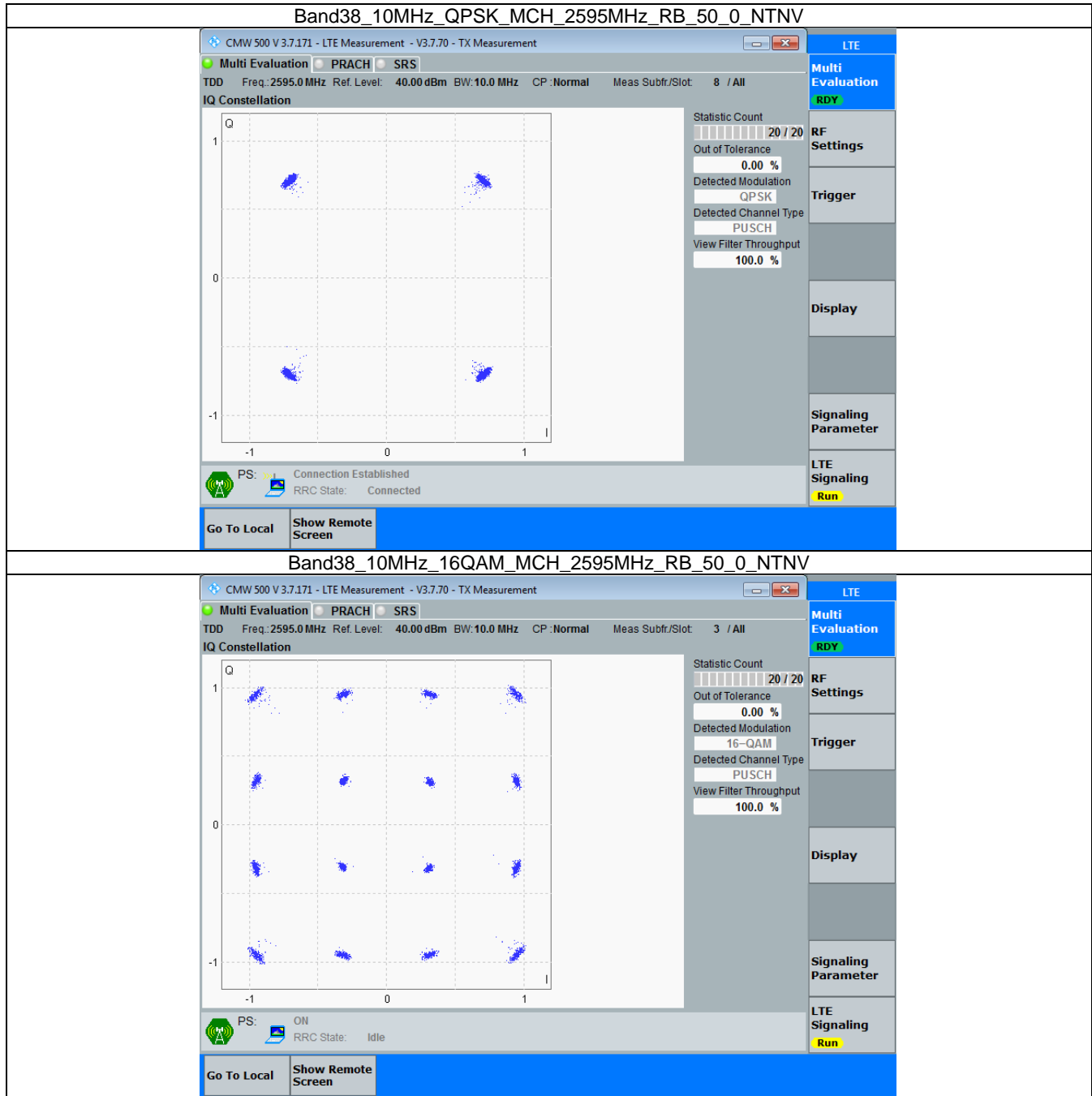
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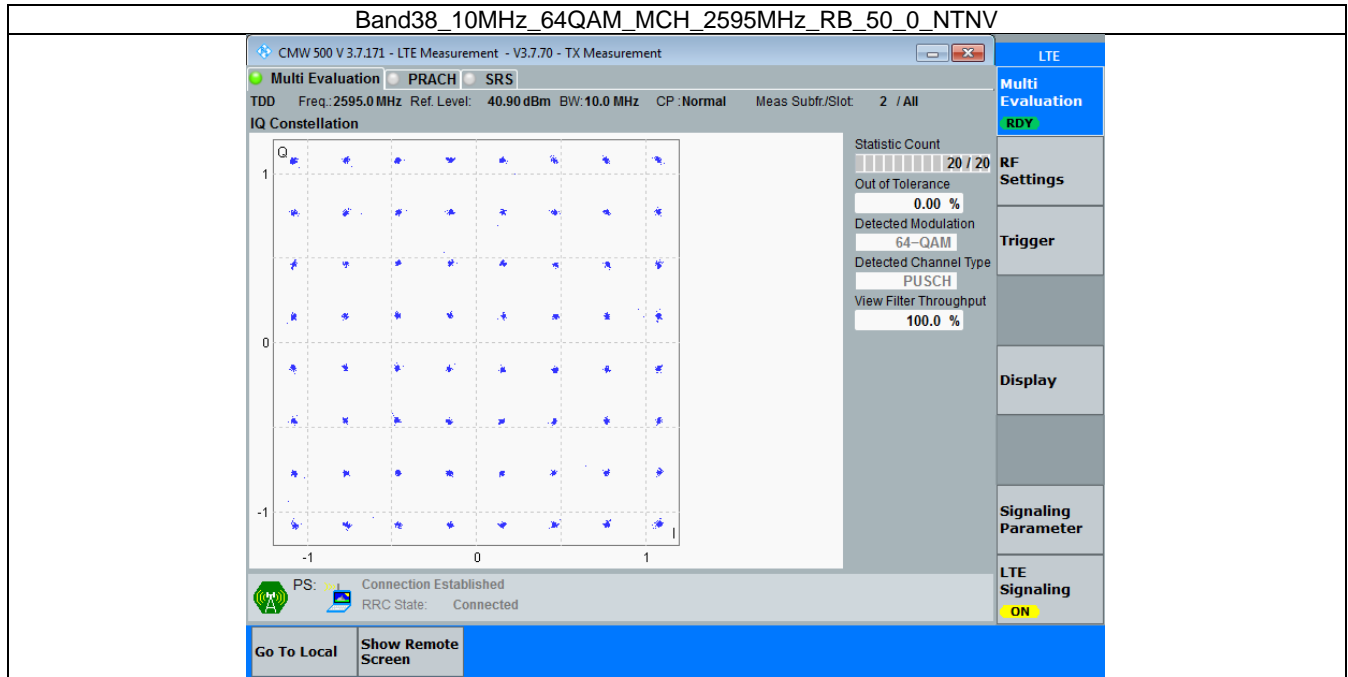
3.2.2 Test Graph



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3.3 B38_15MHz

3.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	75	0	Refer To Test Graph		Pass
16QAM	2595	75	0	Refer To Test Graph		Pass
64QAM	2595	75	0	Refer To Test Graph		Pass



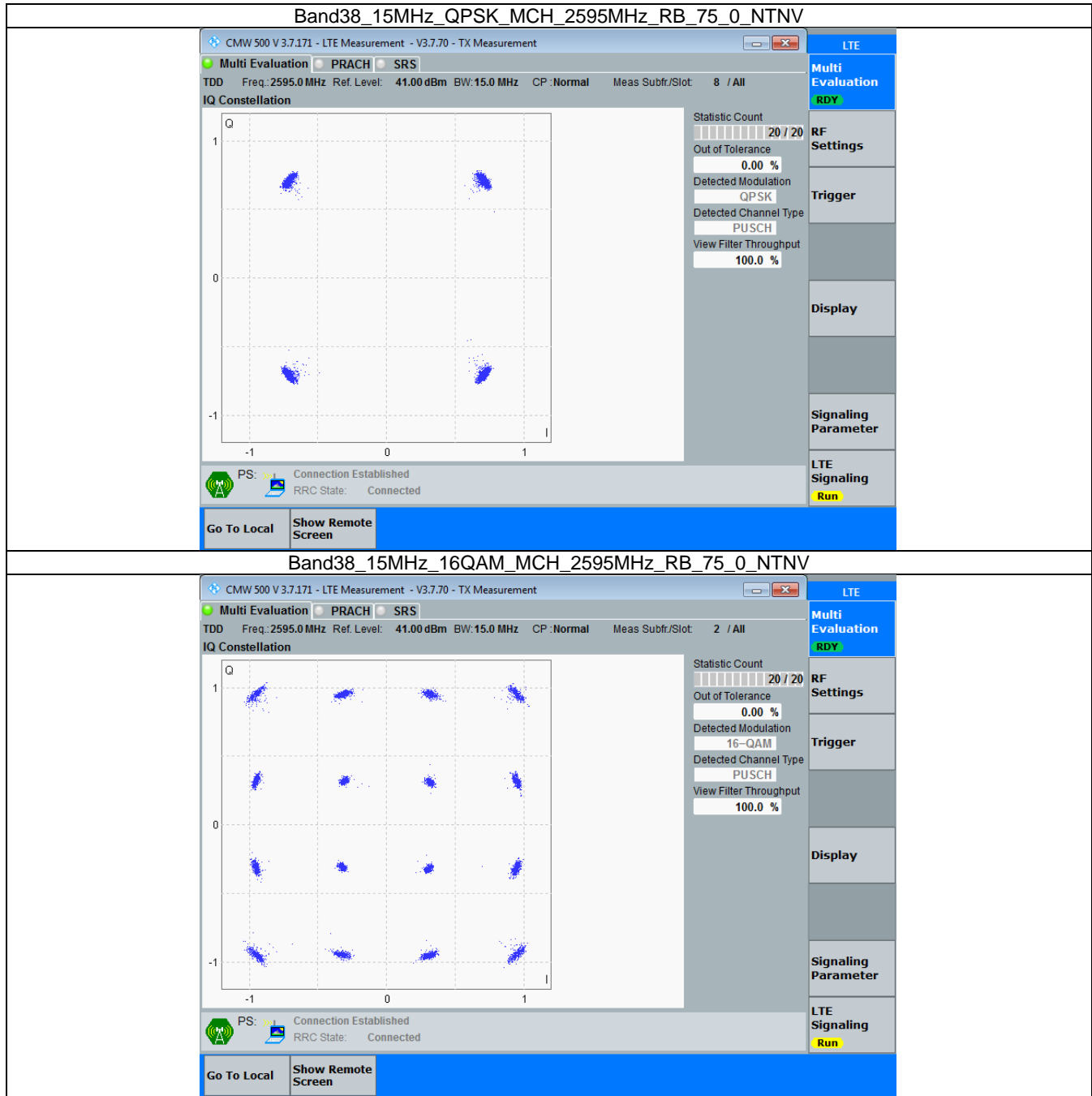
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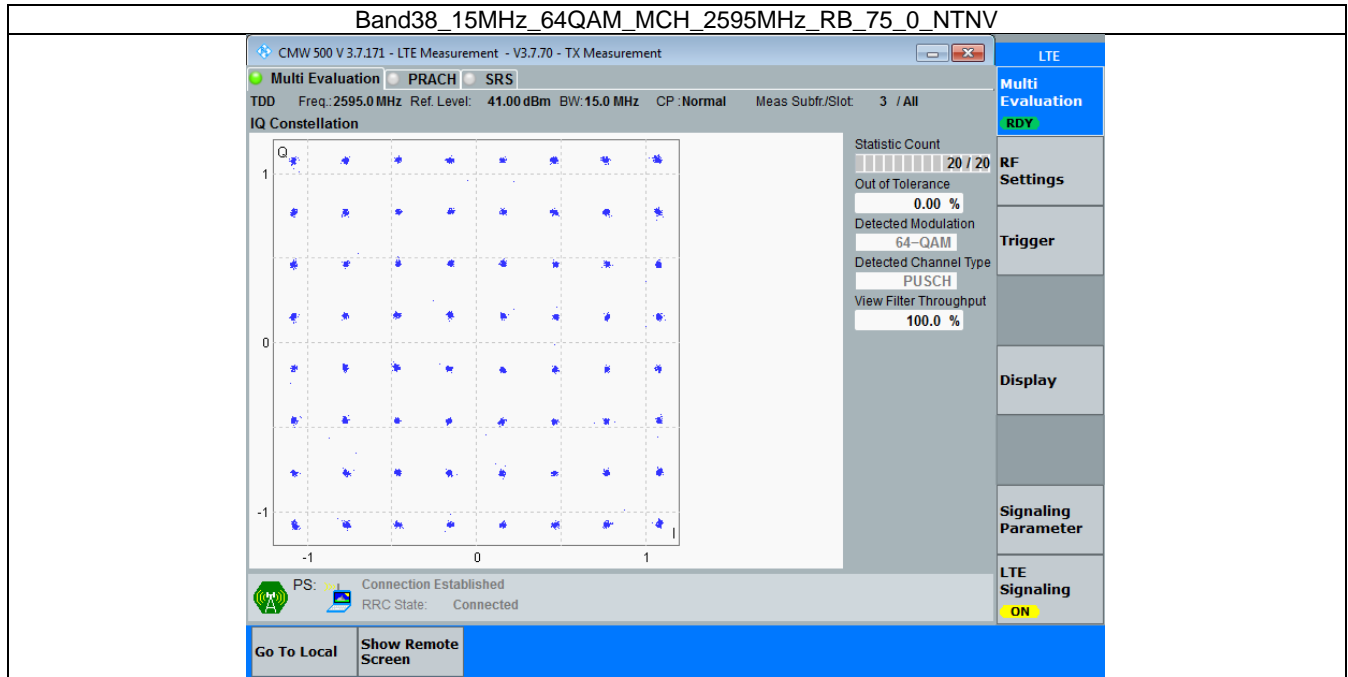
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3.3.2 Test Graph



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3.4 B38_20MHz

3.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	100	0	Refer To Test Graph		Pass
64QAM	2595	100	0	Refer To Test Graph		Pass



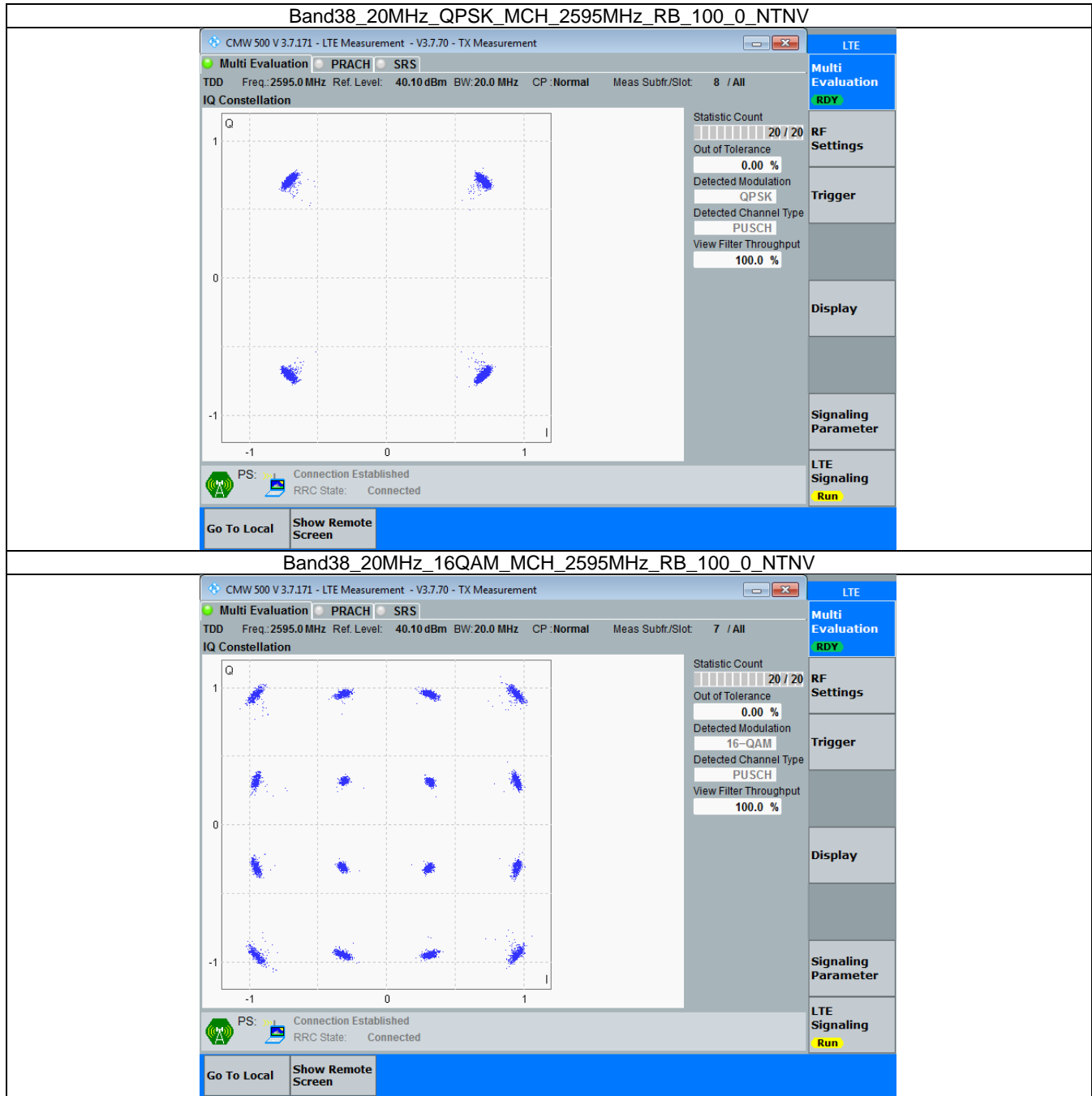
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3.4.2 Test Graph

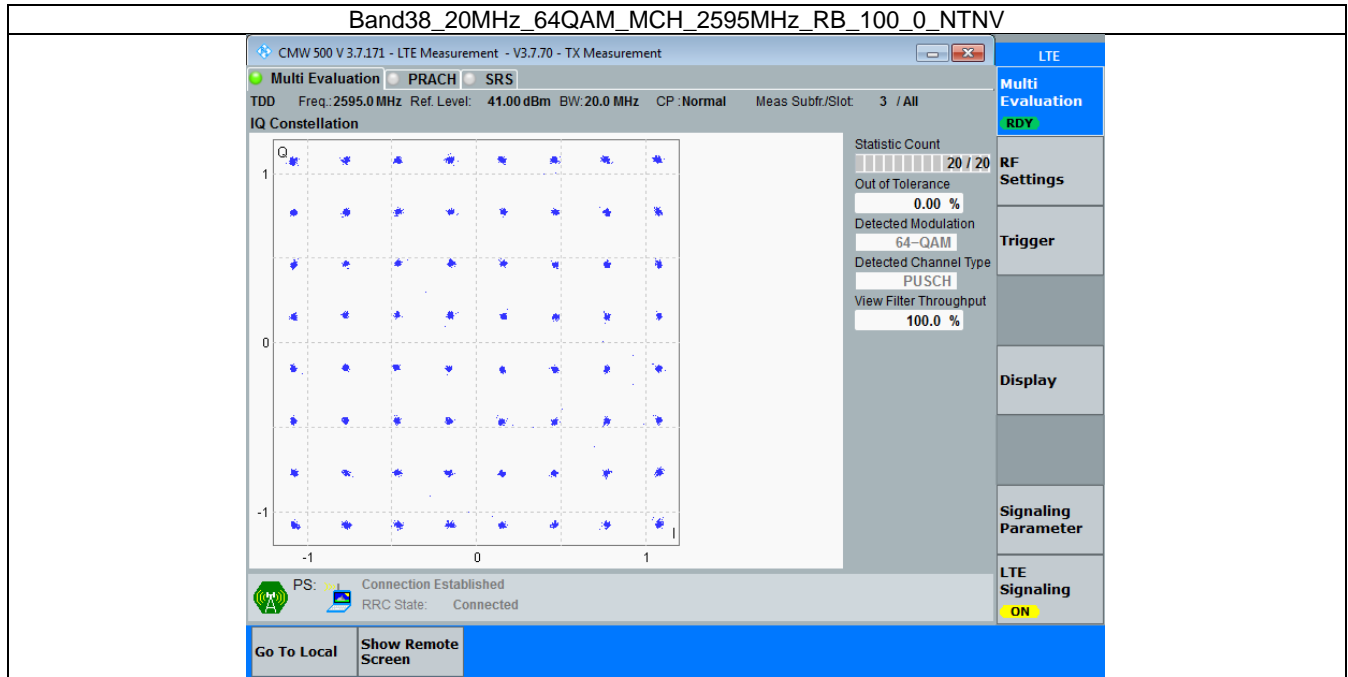


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4. 99% & 26dB Bandwidth

4.1 Band38_OBW

4.1.1 Test Result

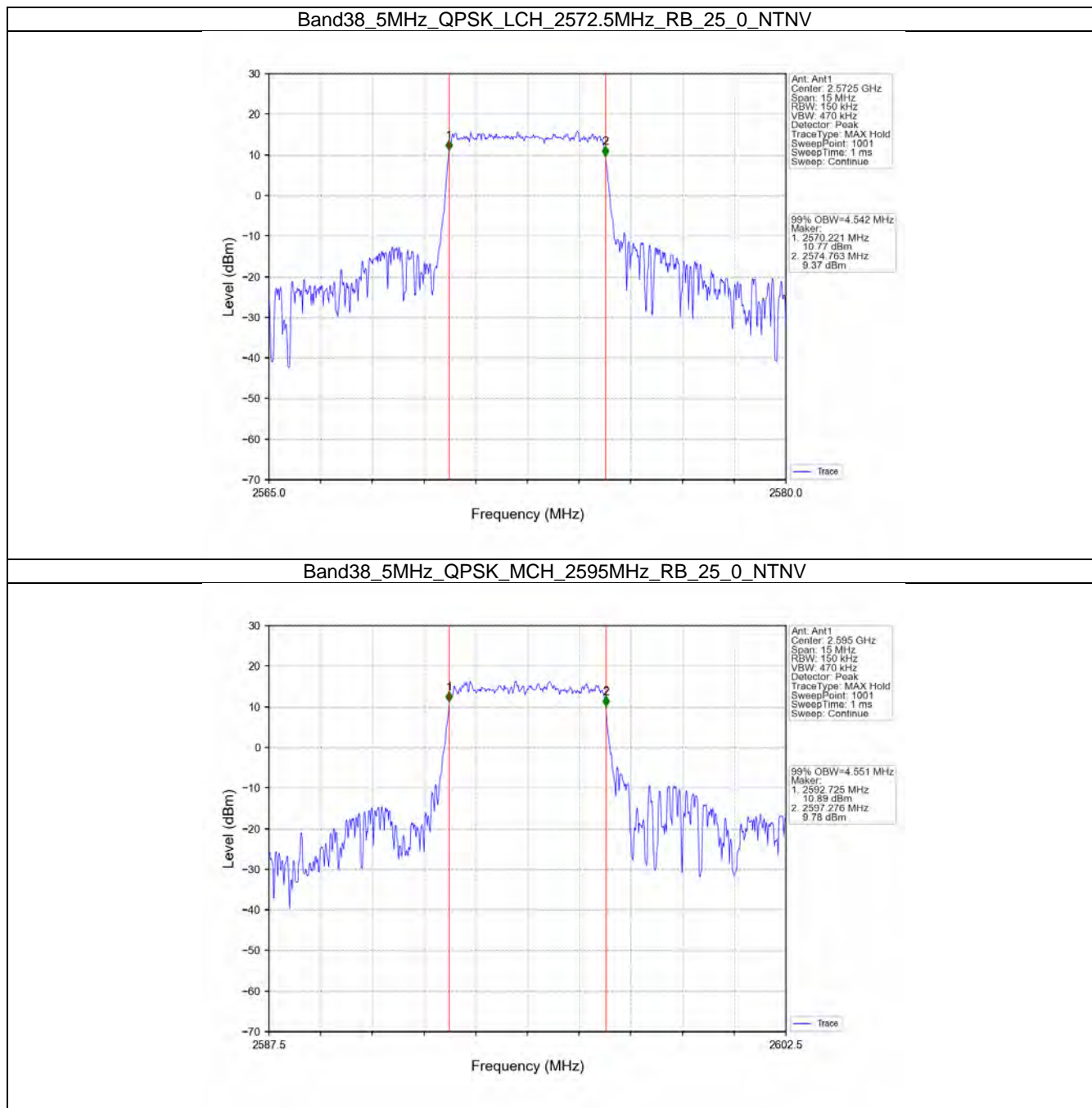
Band: 38 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2572.5	25	0	4.542	Pass
		2595	25	0	4.551	Pass
		2617.5	25	0	4.565	Pass
	16QAM	2572.5	25	0	4.589	Pass
		2595	25	0	4.540	Pass
		2617.5	25	0	4.552	Pass
	64QAM	2572.5	25	0	4.494	Pass
		2595	25	0	4.524	Pass
		2617.5	25	0	4.534	Pass
10	QPSK	2575	50	0	9.225	Pass
		2595	50	0	9.111	Pass
		2615	50	0	9.297	Pass
	16QAM	2575	50	0	9.084	Pass
		2595	50	0	9.112	Pass
		2615	50	0	9.106	Pass
	64QAM	2575	50	0	9.063	Pass
		2595	50	0	9.031	Pass
		2615	50	0	9.057	Pass
15	QPSK	2577.5	75	0	13.726	Pass
		2595	75	0	13.736	Pass
		2612.5	75	0	13.753	Pass
	16QAM	2577.5	75	0	14.017	Pass
		2595	75	0	13.740	Pass
		2612.5	75	0	13.872	Pass
	64QAM	2577.5	75	0	13.552	Pass
		2595	75	0	13.598	Pass
		2612.5	75	0	13.584	Pass
20	QPSK	2580	100	0	18.145	Pass
		2595	100	0	18.130	Pass
		2610	100	0	18.127	Pass
	16QAM	2580	100	0	18.147	Pass
		2595	100	0	18.163	Pass
		2610	100	0	18.143	Pass
	64QAM	2580	100	0	18.078	Pass
		2595	100	0	18.090	Pass
		2610	100	0	18.128	Pass



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4.1.2 Test Graph

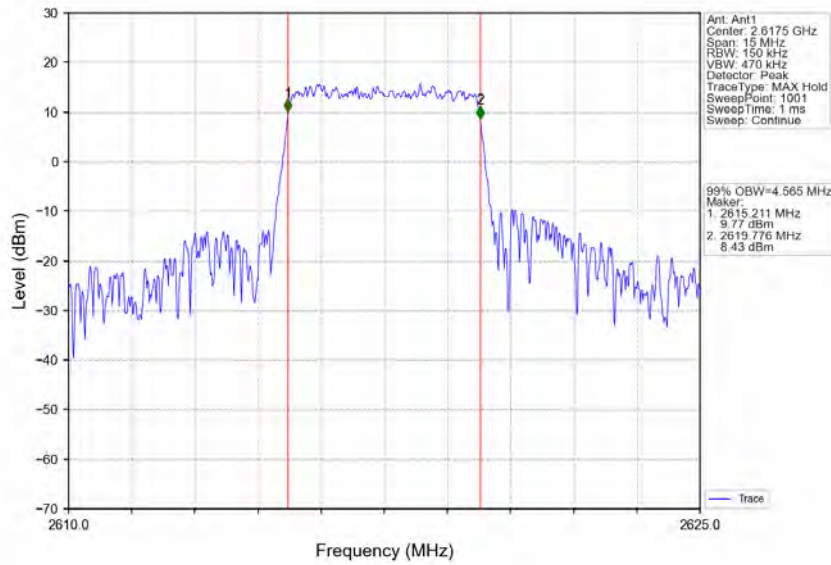


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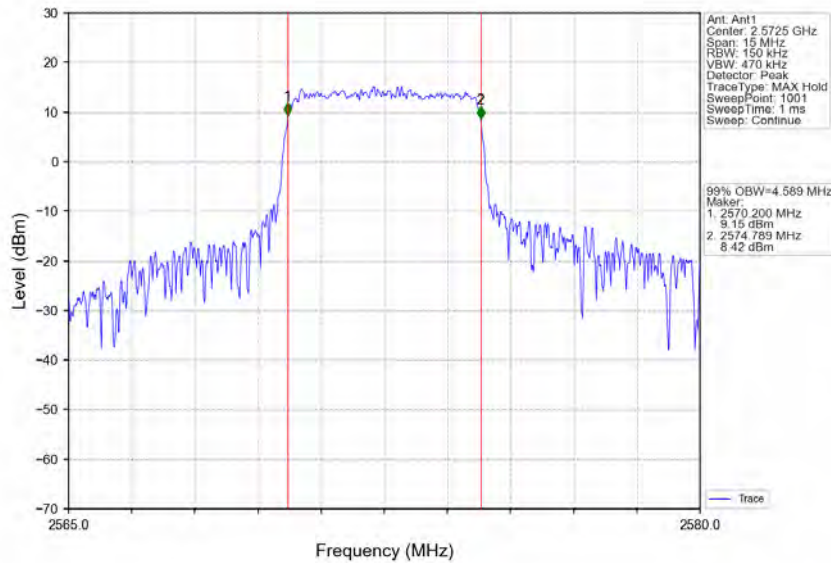
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Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



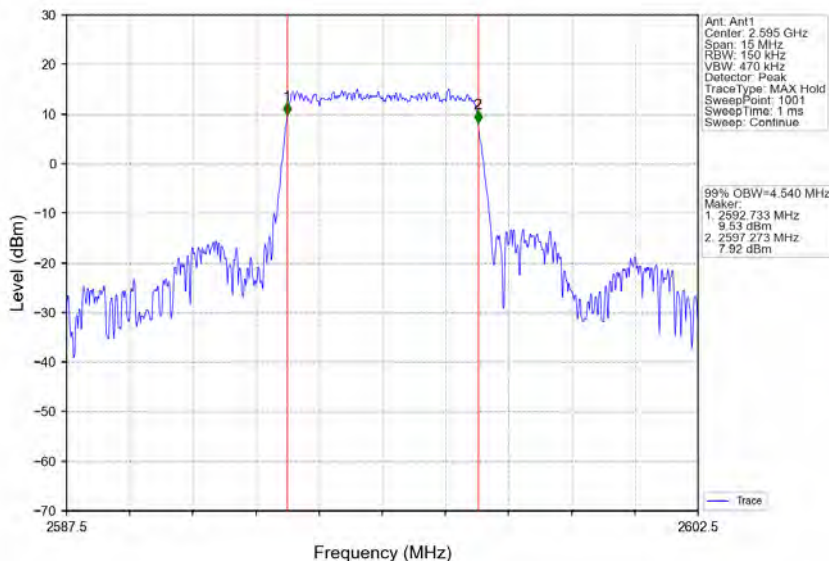
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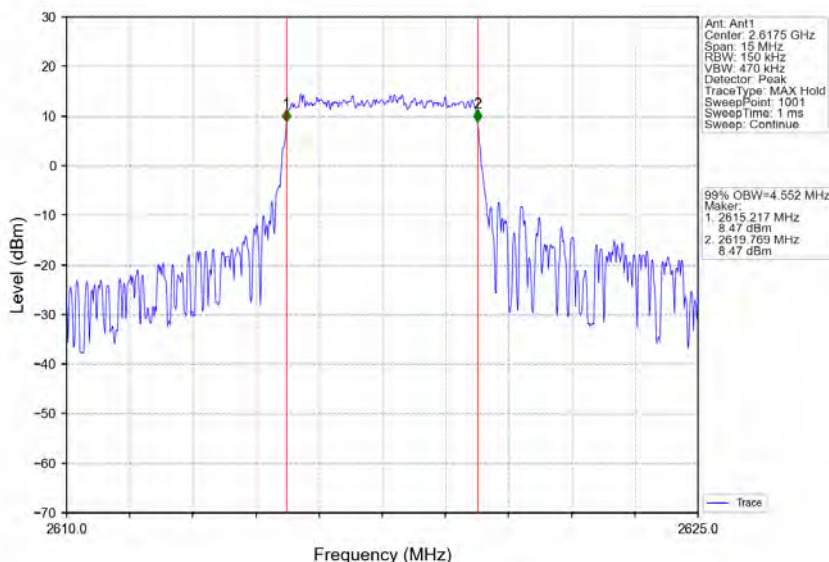
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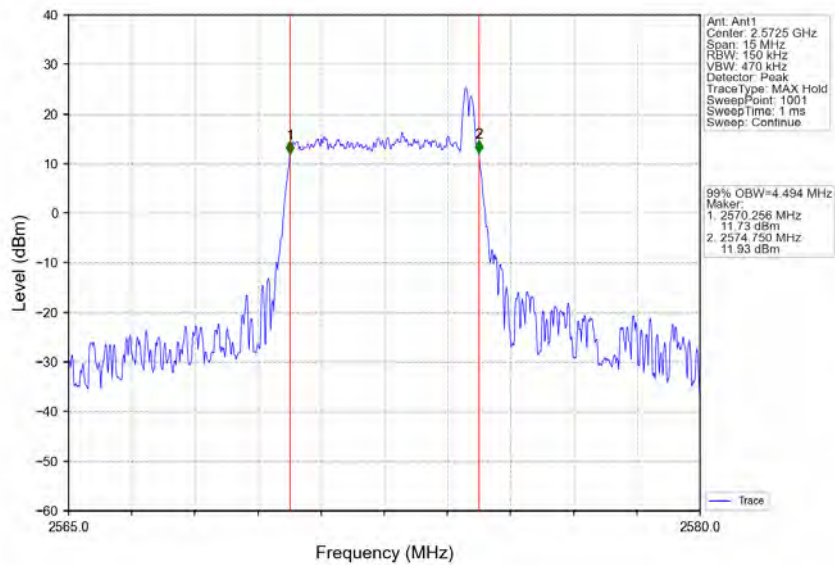
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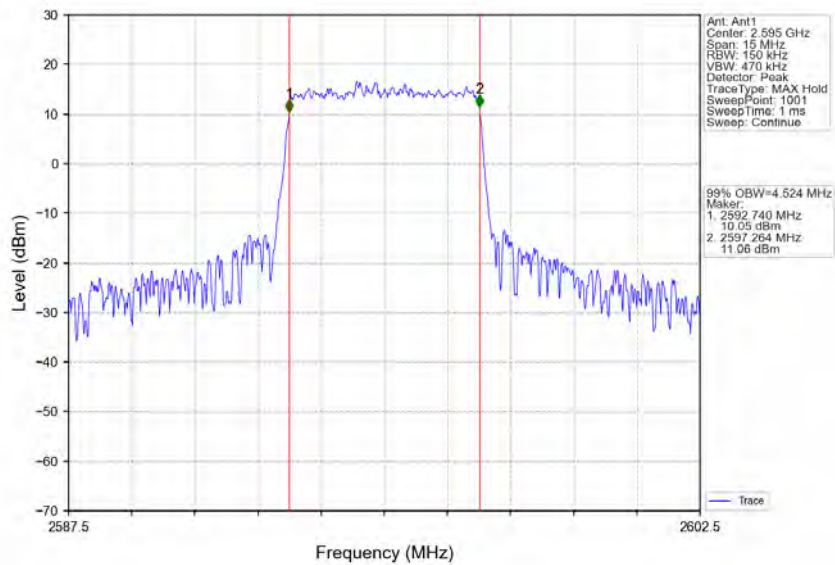
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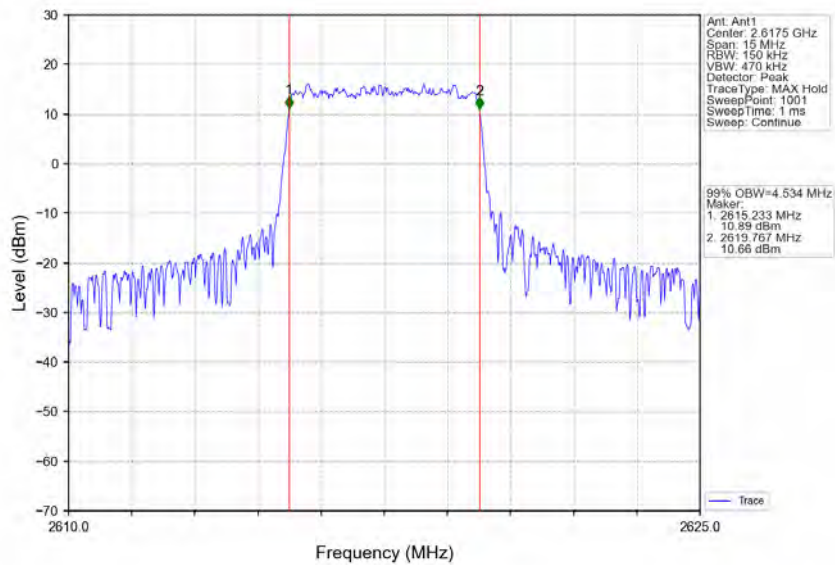
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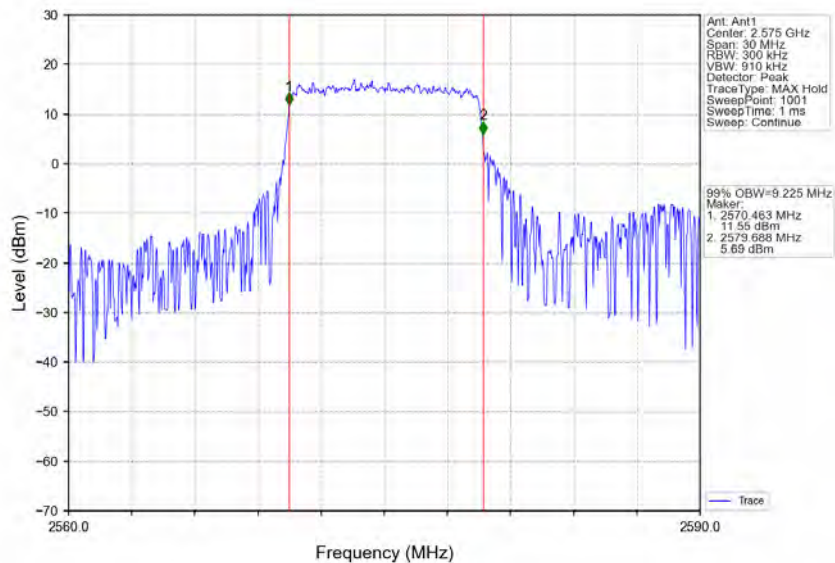


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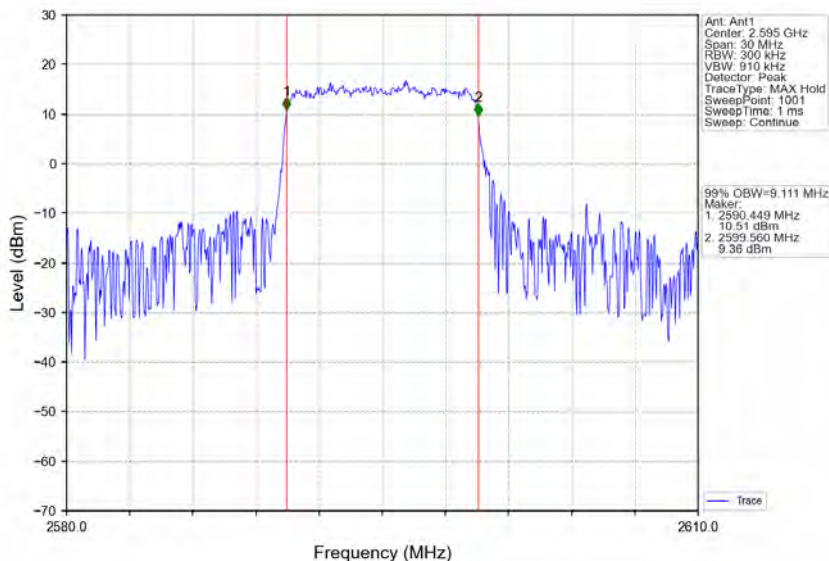
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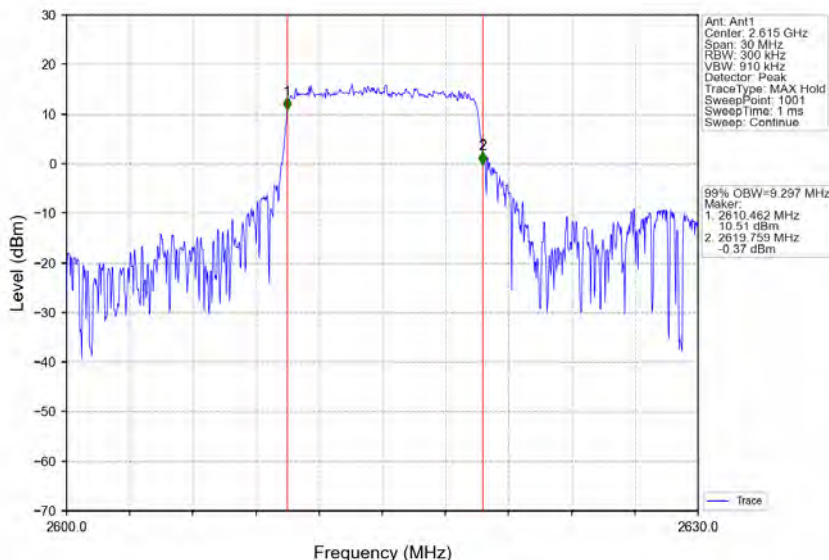
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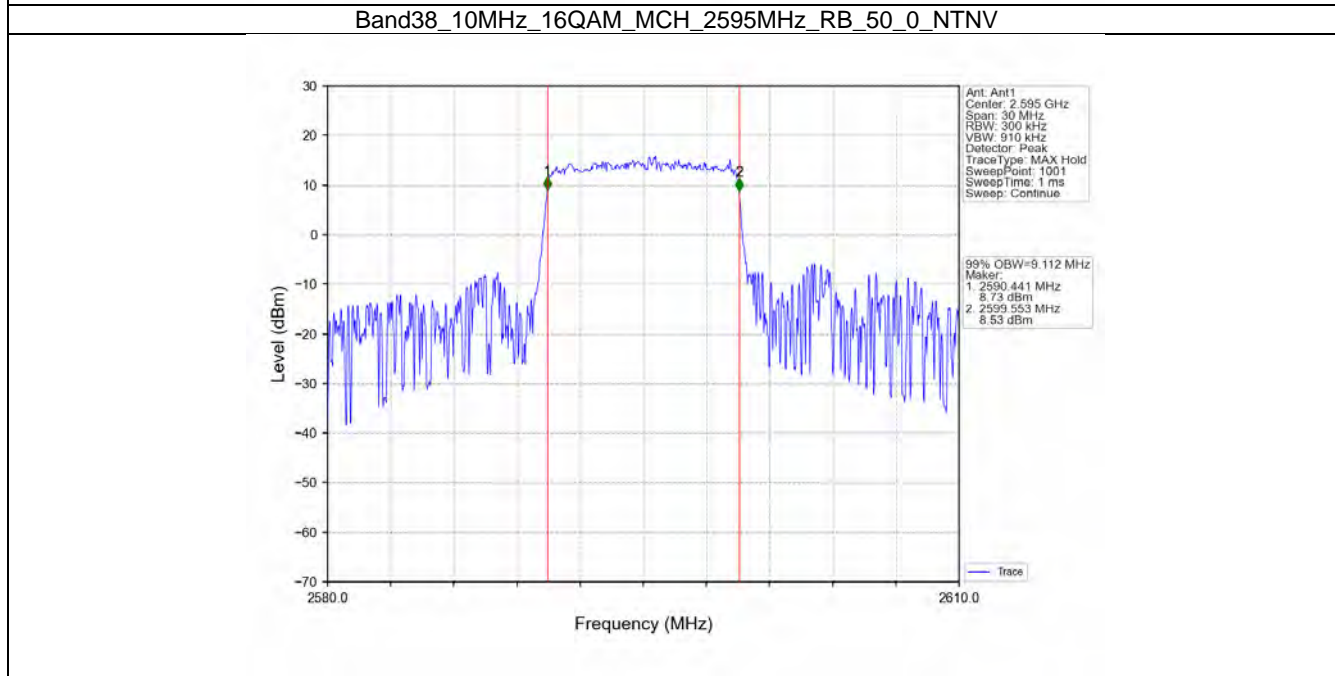
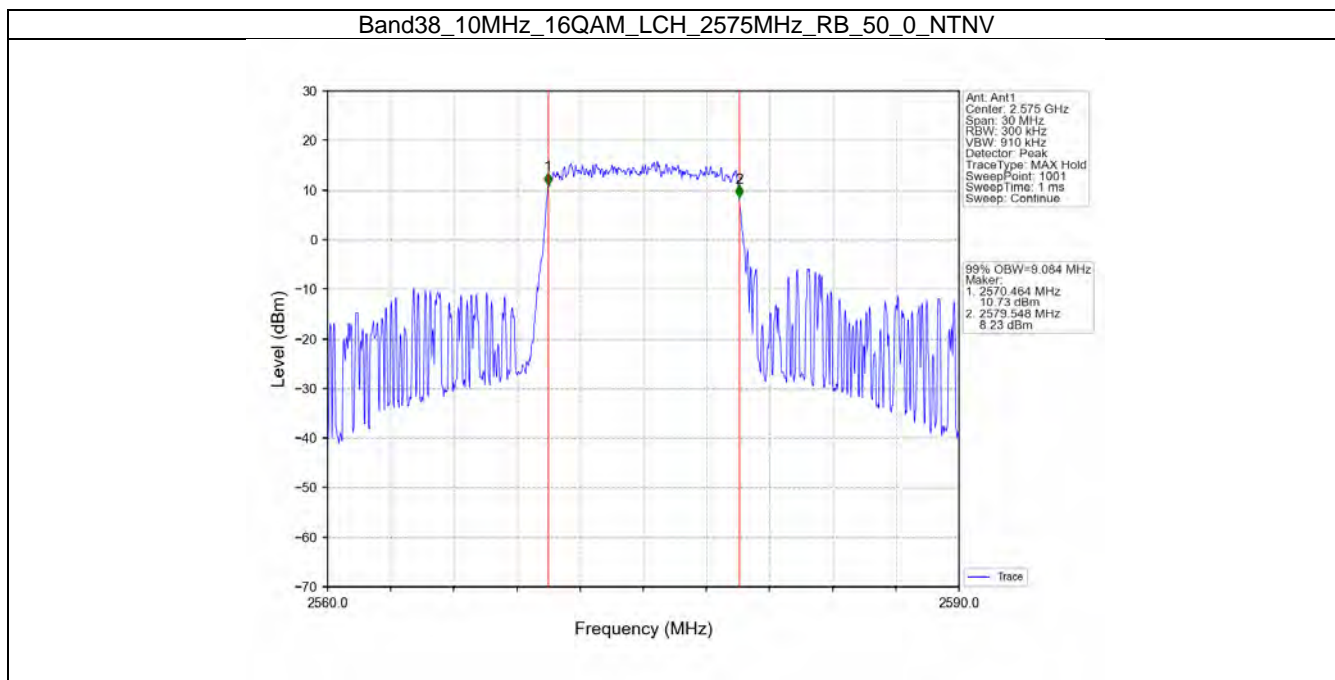
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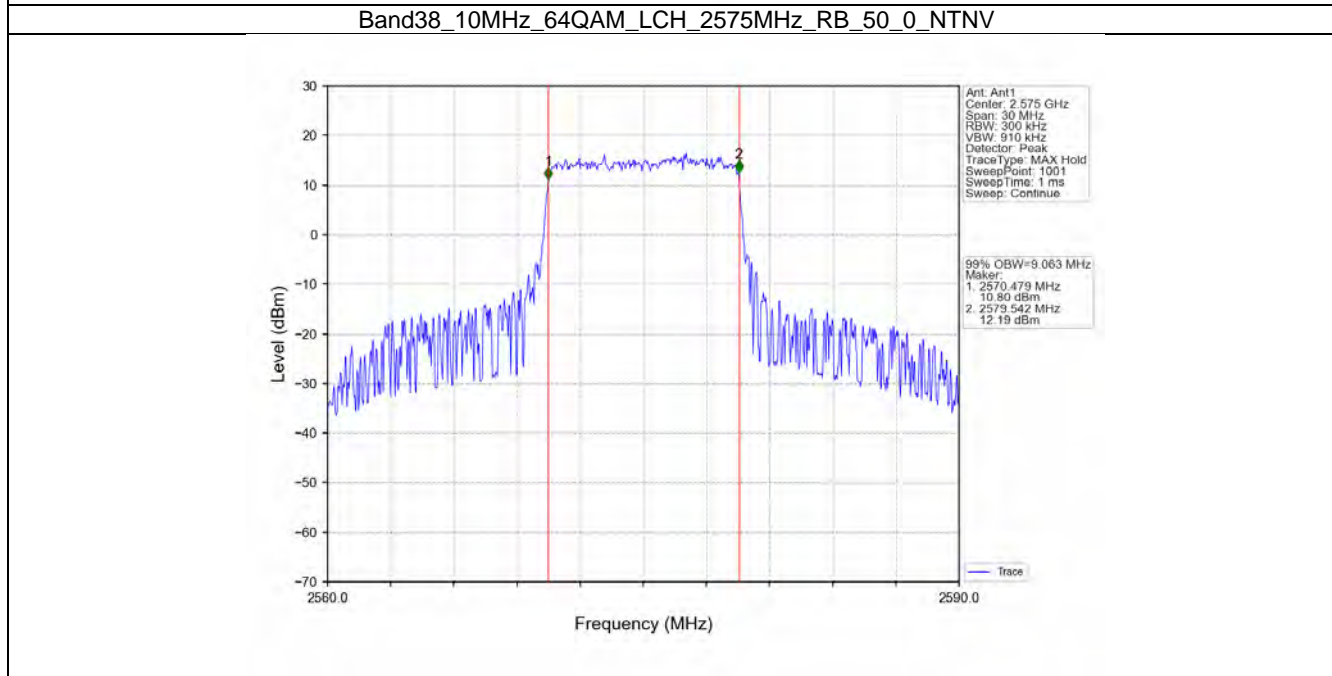
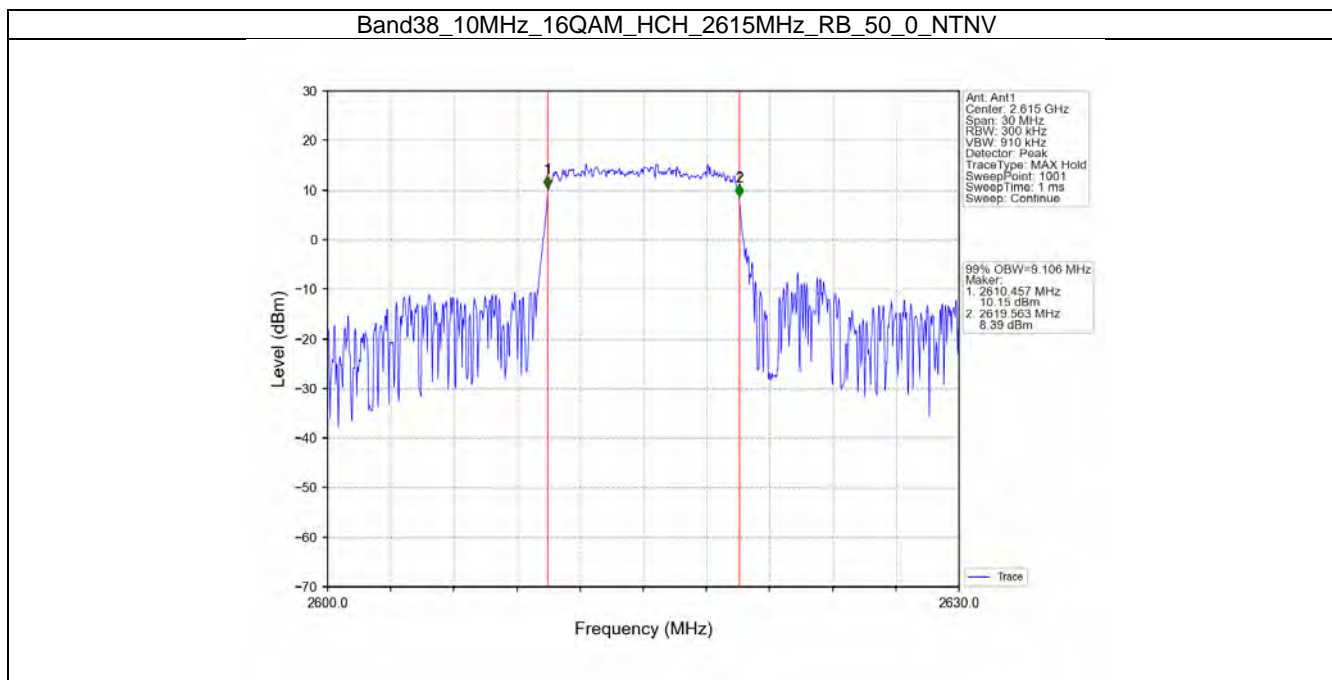
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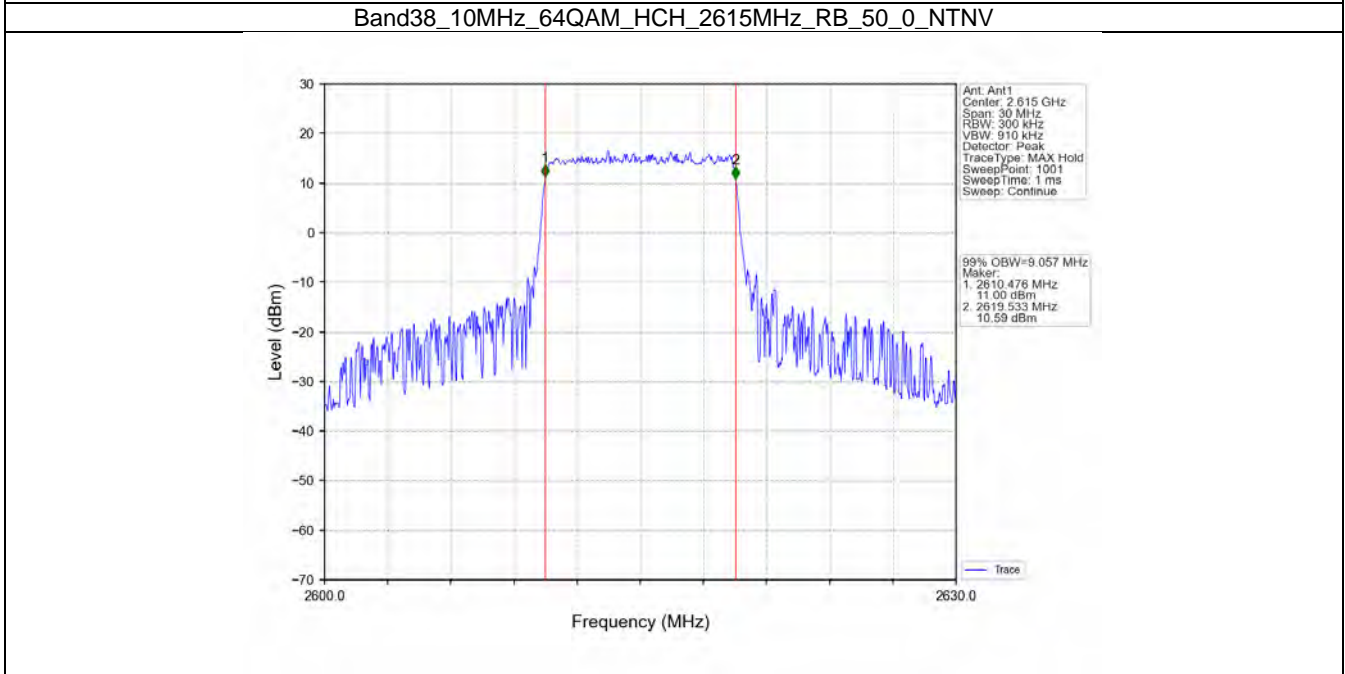
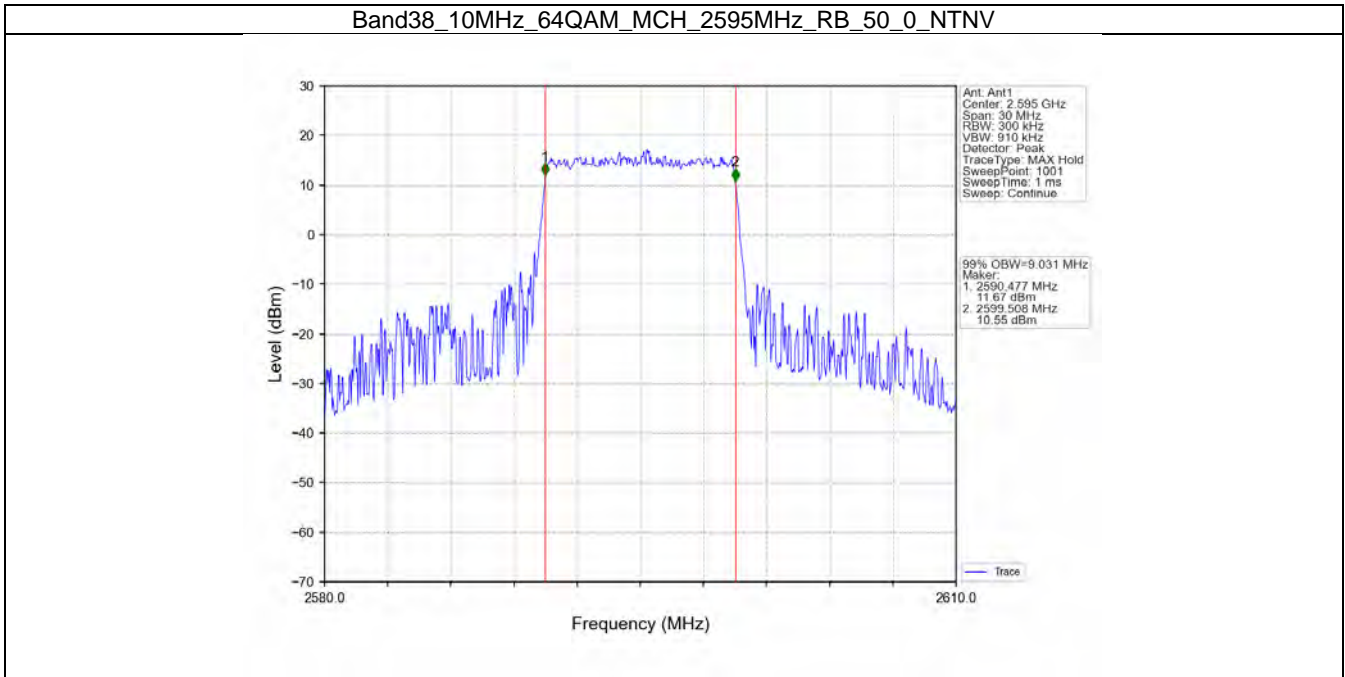
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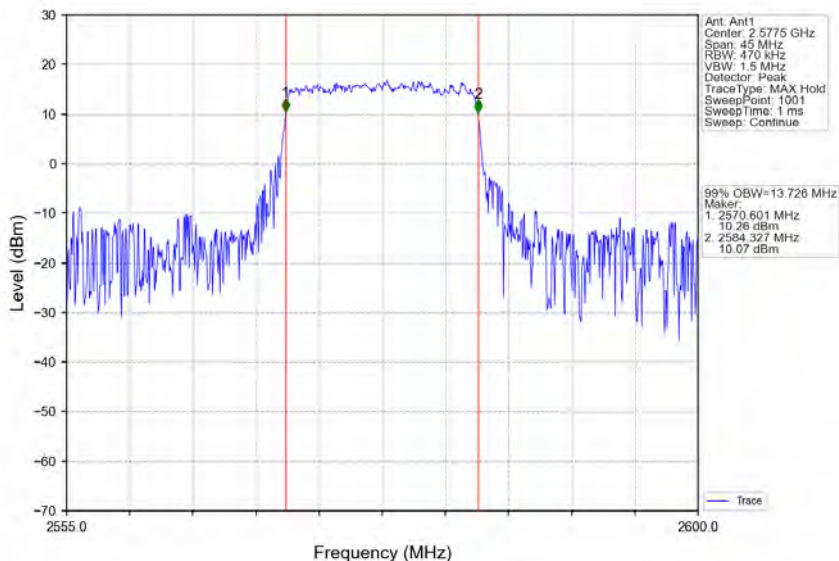
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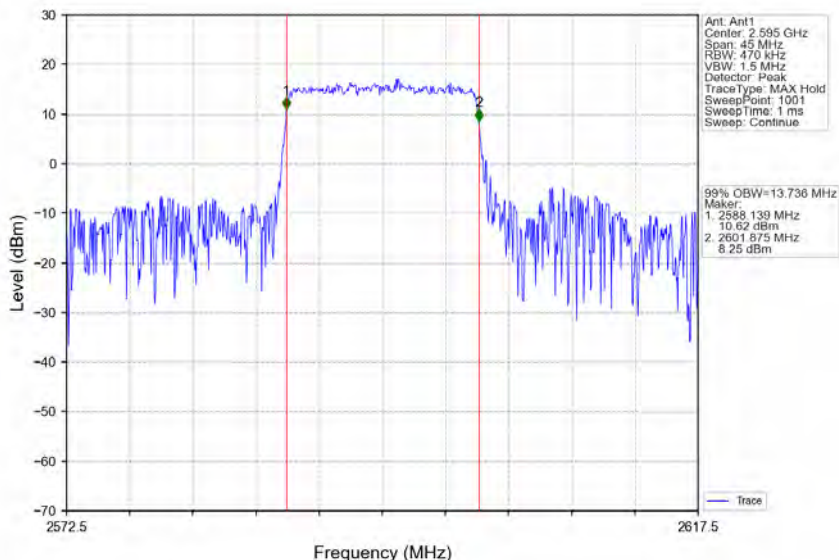
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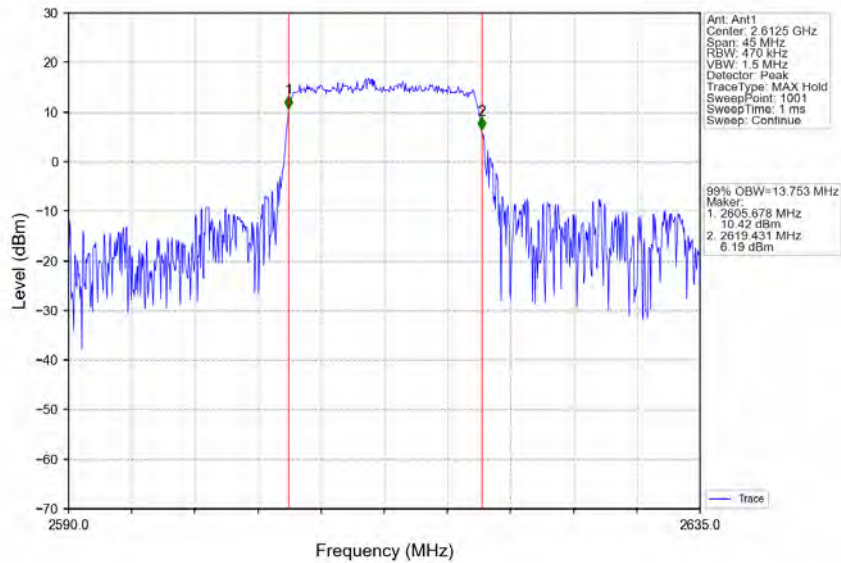
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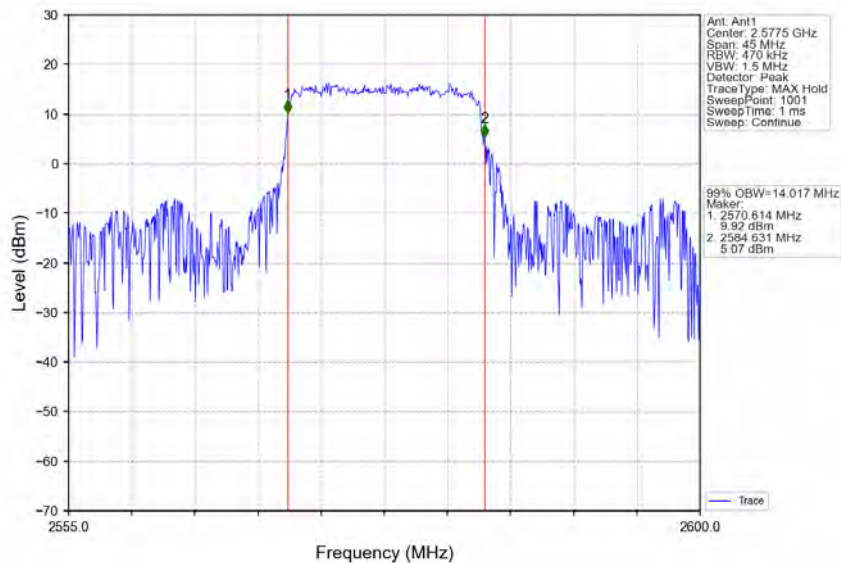
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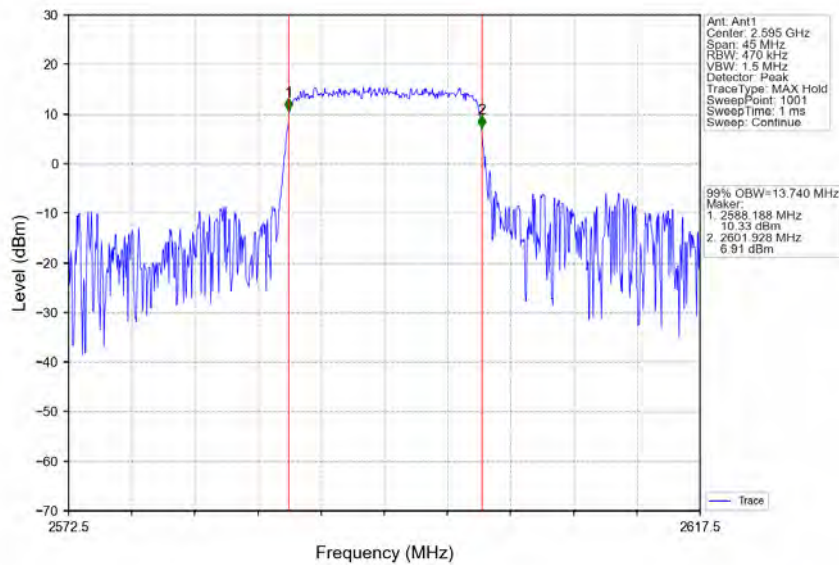
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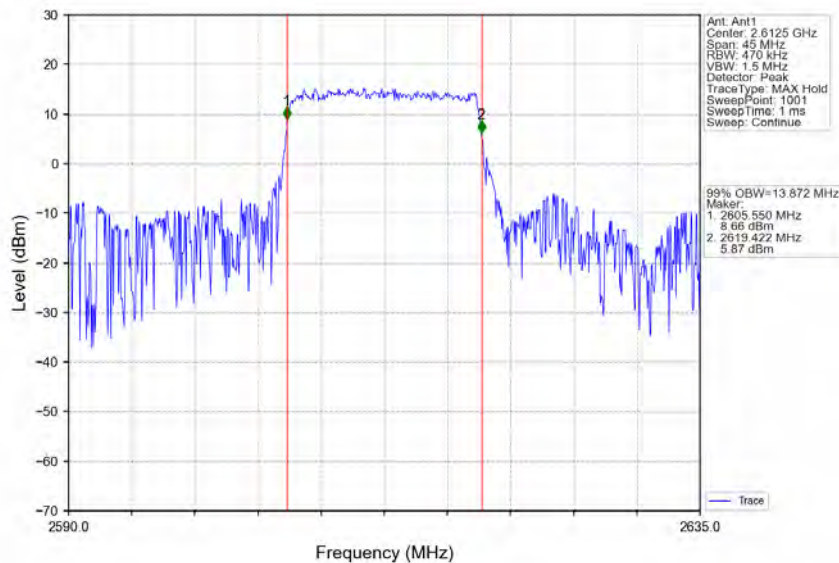
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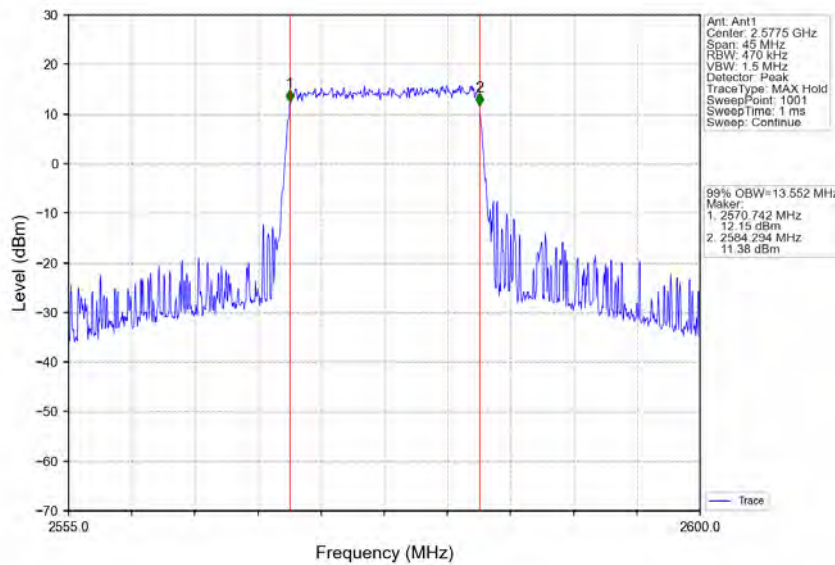
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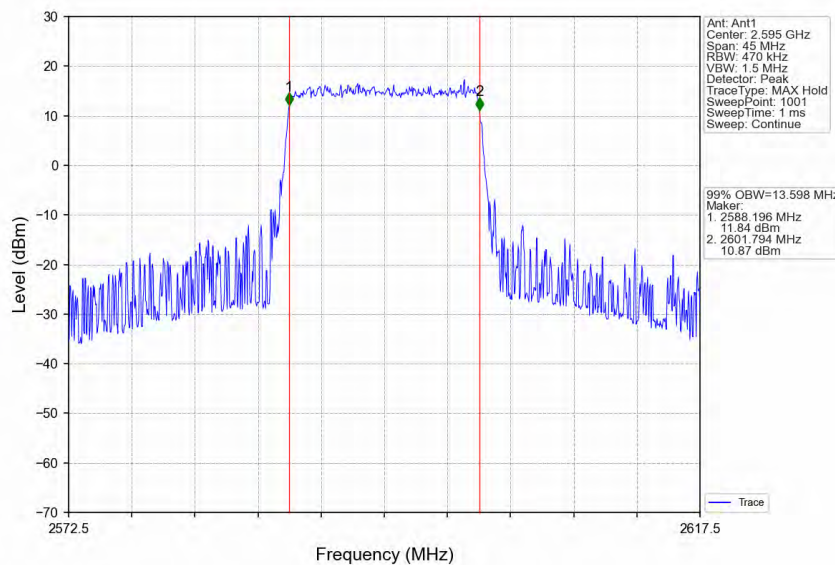
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



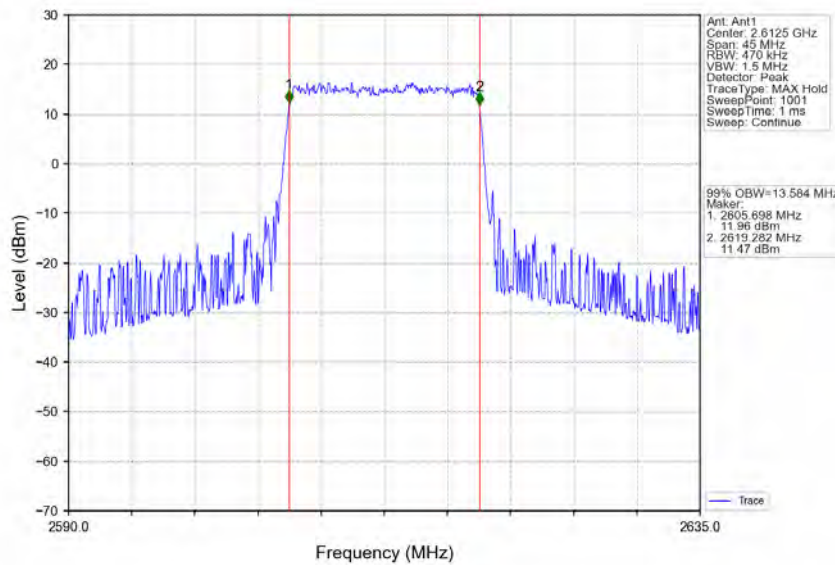
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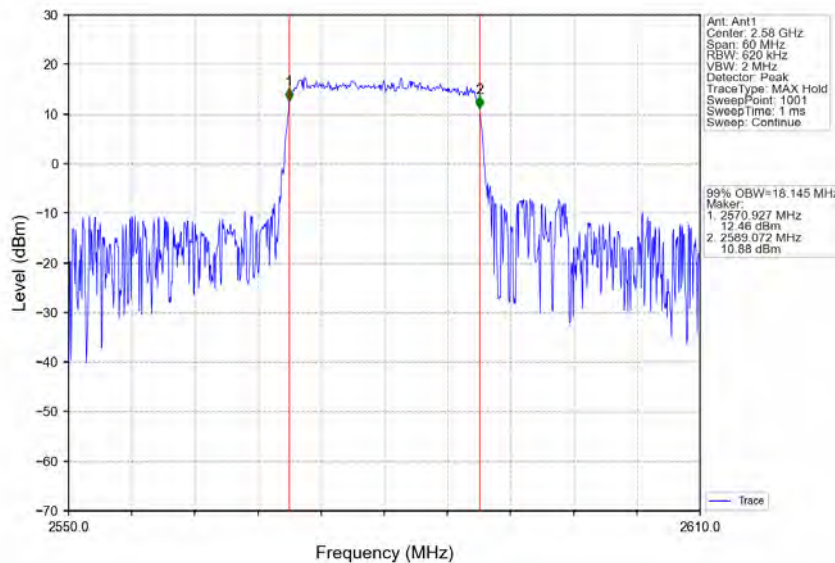
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Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



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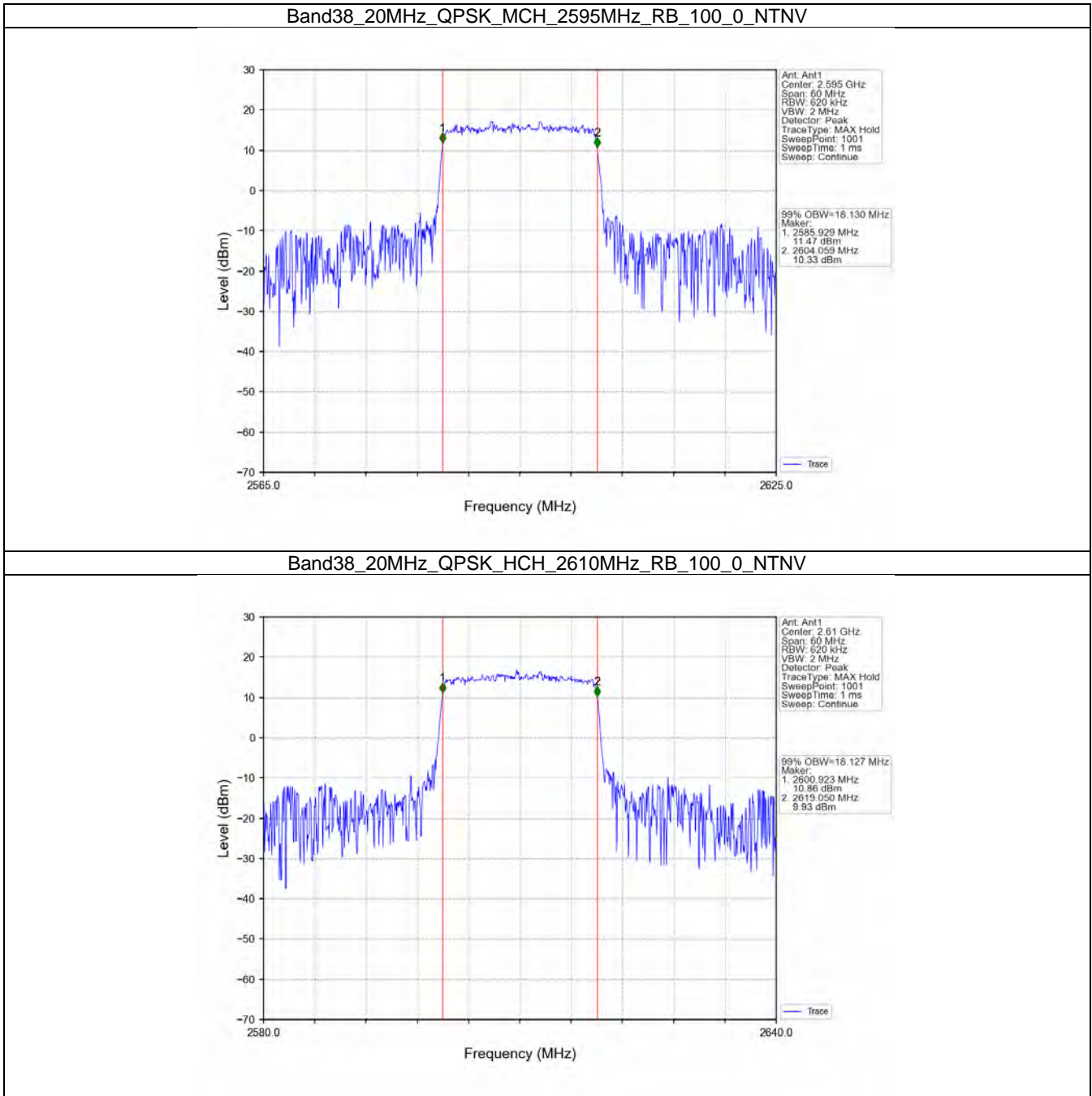
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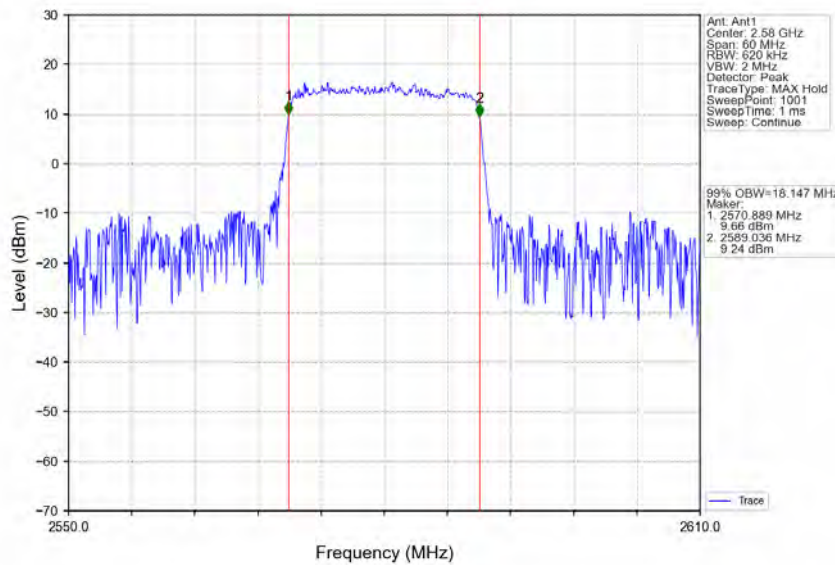
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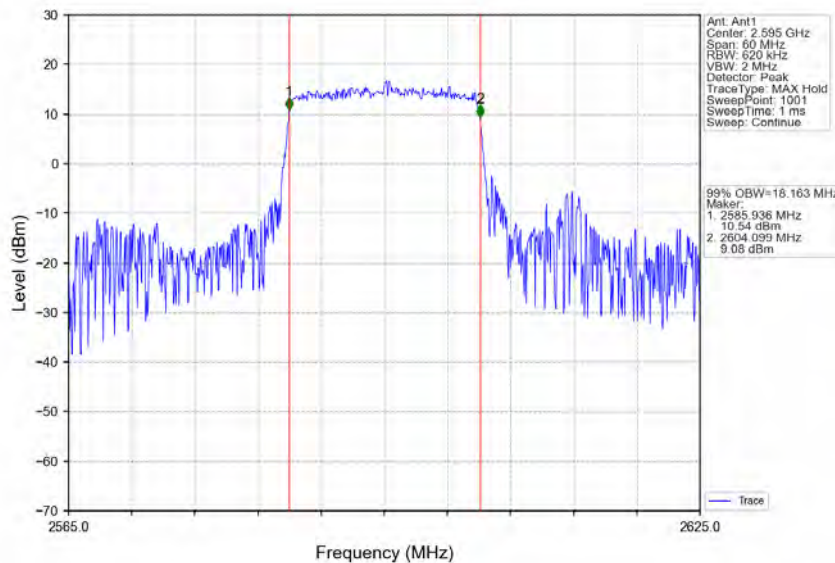
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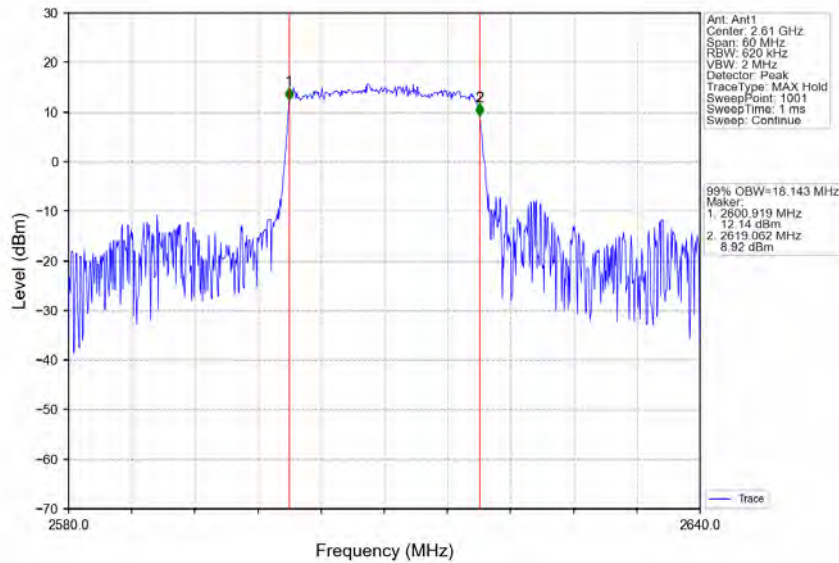
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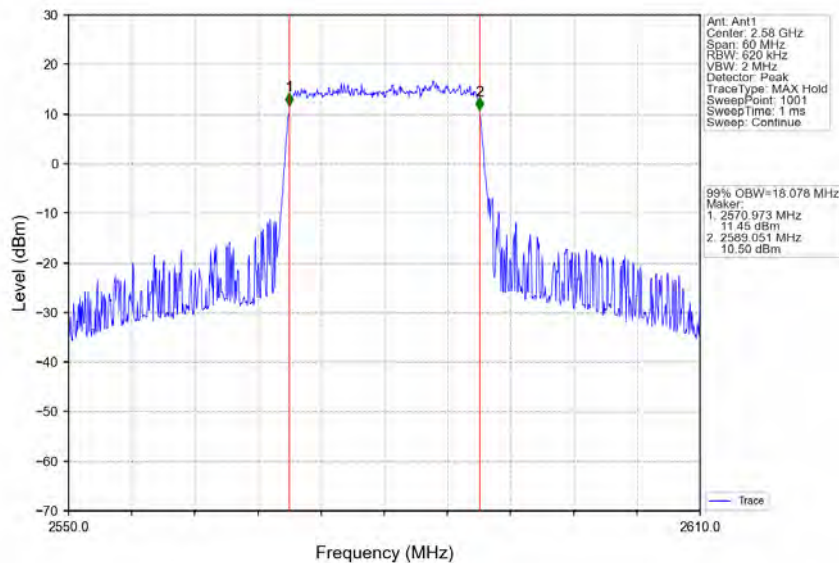
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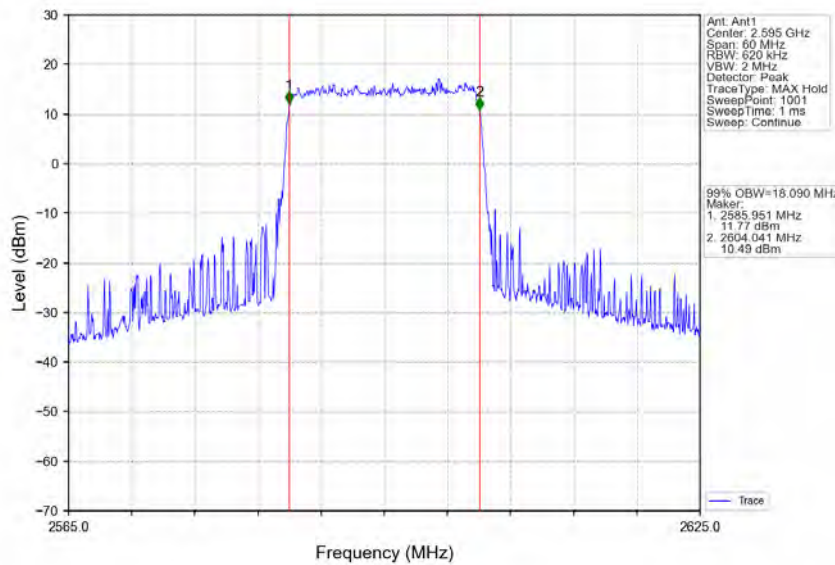
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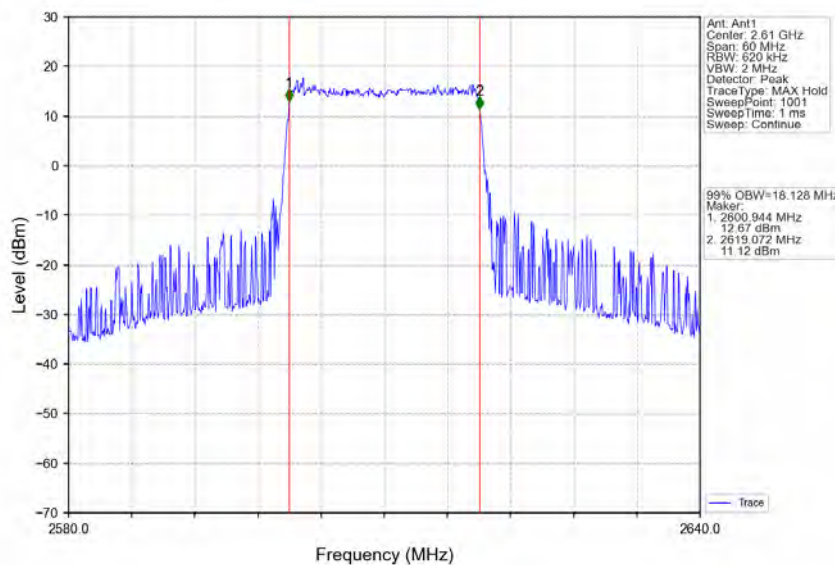
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Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



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4.2 Band38_XDB

4.2.1 Test Result

Band: 38 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2572.5	25	0	5.351	Pass
		2595	25	0	6.985	Pass
		2617.5	25	0	5.703	Pass
	16QAM	2572.5	25	0	5.642	Pass
		2595	25	0	5.141	Pass
		2617.5	25	0	6.596	Pass
	64QAM	2572.5	25	0	4.802	Pass
		2595	25	0	5.003	Pass
		2617.5	25	0	5.097	Pass
10	QPSK	2575	50	0	20.276	Pass
		2595	50	0	14.737	Pass
		2615	50	0	20.042	Pass
	16QAM	2575	50	0	19.432	Pass
		2595	50	0	21.152	Pass
		2615	50	0	13.987	Pass
	64QAM	2575	50	0	10.898	Pass
		2595	50	0	10.660	Pass
		2615	50	0	10.888	Pass
15	QPSK	2577.5	75	0	30.666	Pass
		2595	75	0	34.491	Pass
		2612.5	75	0	28.299	Pass
	16QAM	2577.5	75	0	40.867	Pass
		2595	75	0	42.481	Pass
		2612.5	75	0	44.668	Pass
	64QAM	2577.5	75	0	16.104	Pass
		2595	75	0	15.386	Pass
		2612.5	75	0	15.496	Pass
20	QPSK	2580	100	0	27.689	Pass
		2595	100	0	43.995	Pass
		2610	100	0	21.772	Pass
	16QAM	2580	100	0	23.836	Pass
		2595	100	0	29.501	Pass
		2610	100	0	25.350	Pass
	64QAM	2580	100	0	20.115	Pass
		2595	100	0	19.868	Pass
		2610	100	0	20.707	Pass



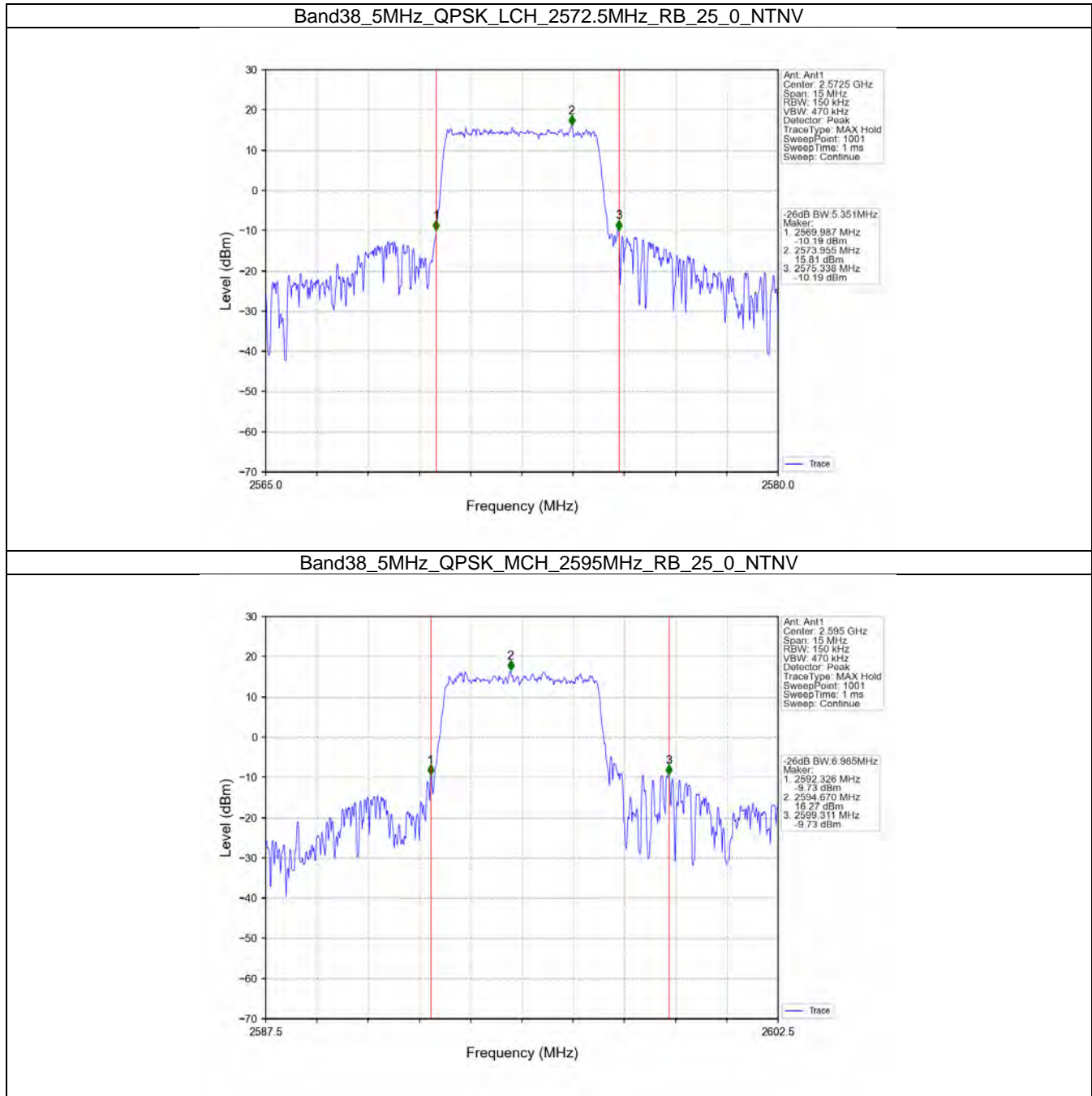
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4.2.2 Test Graph



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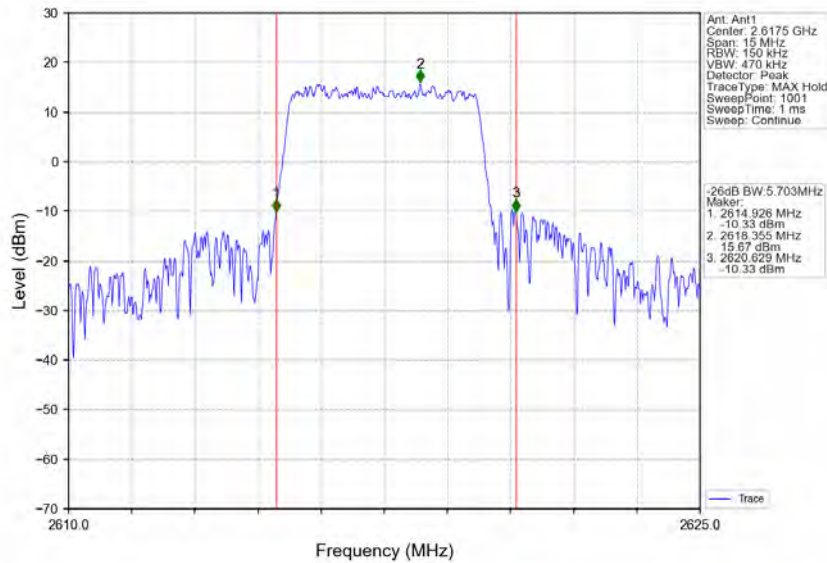
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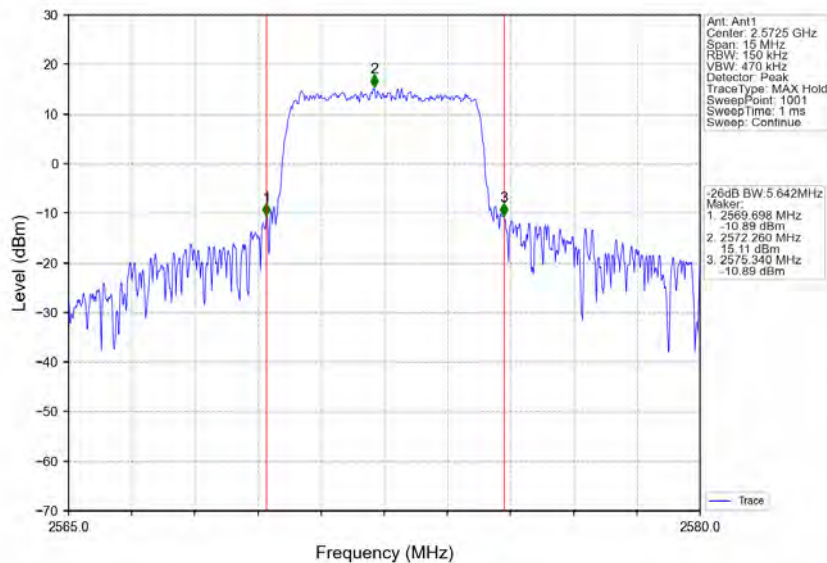
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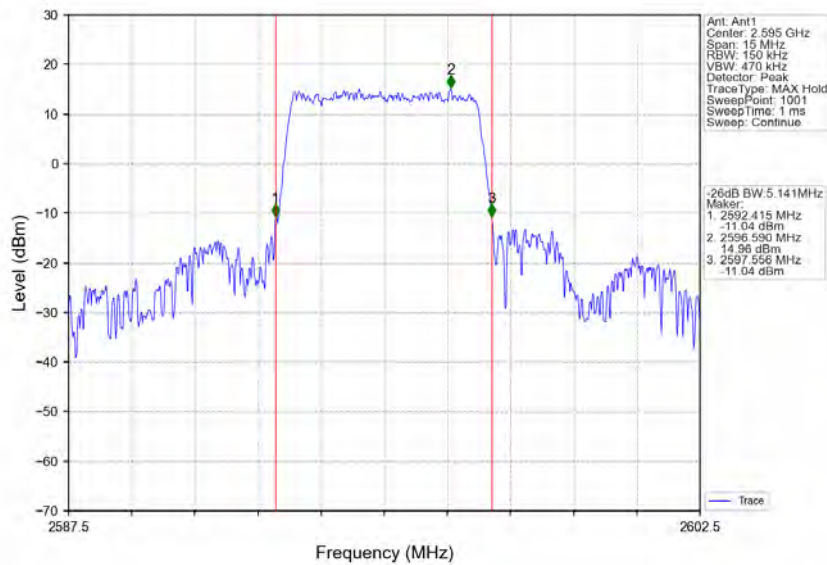
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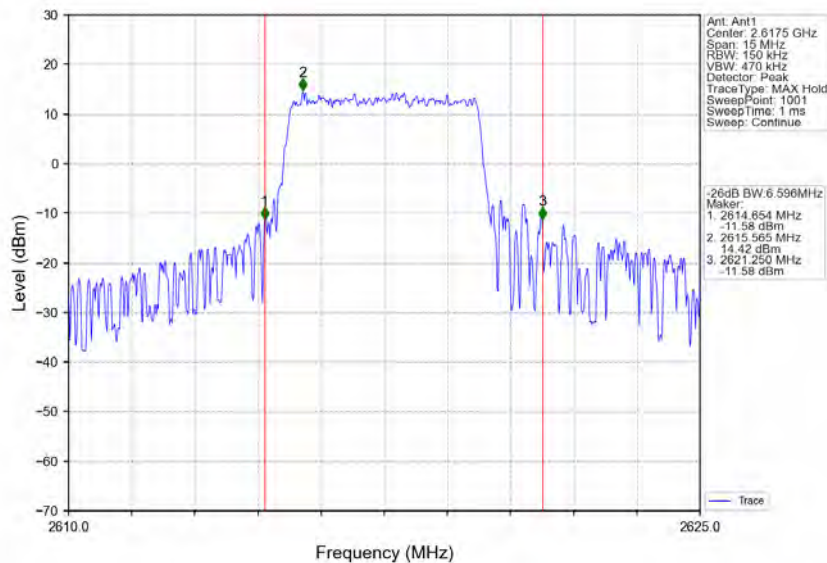
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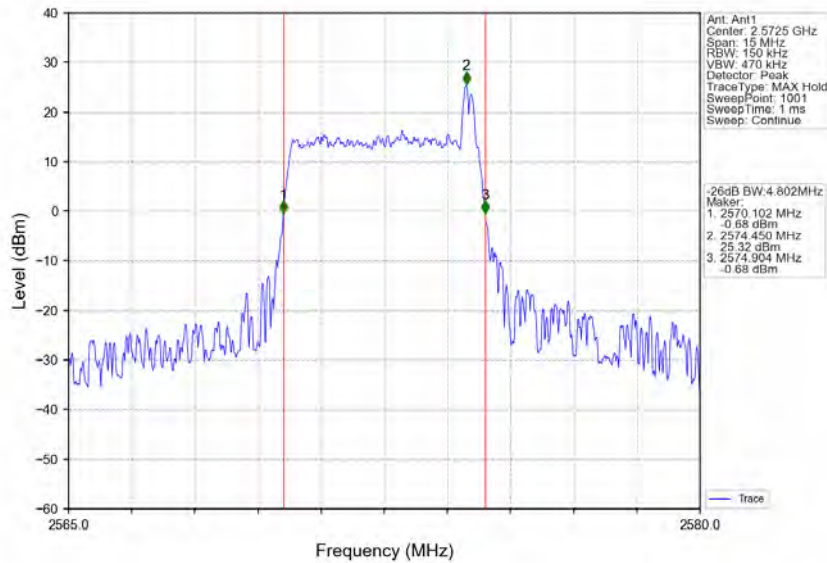
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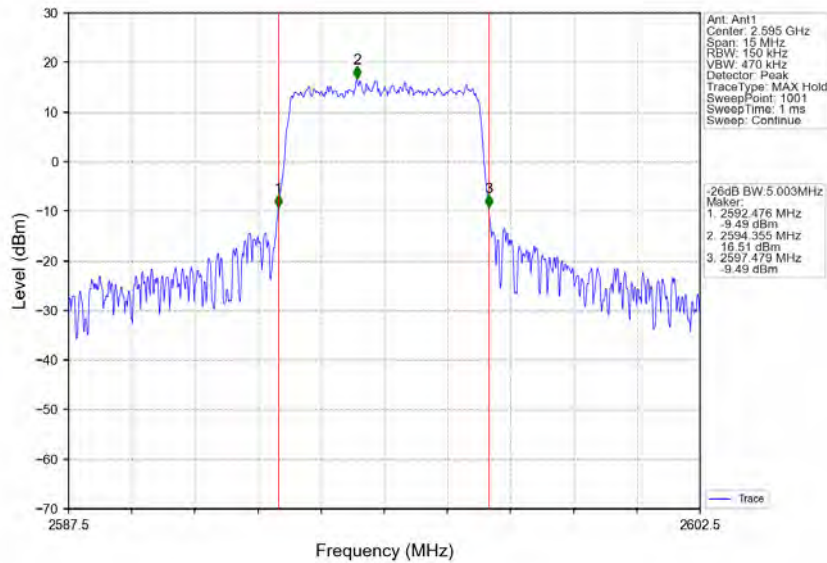
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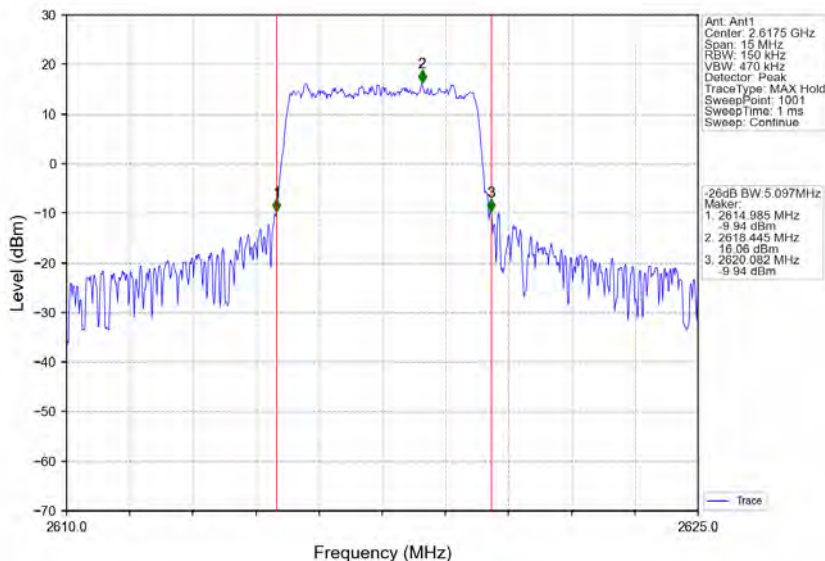
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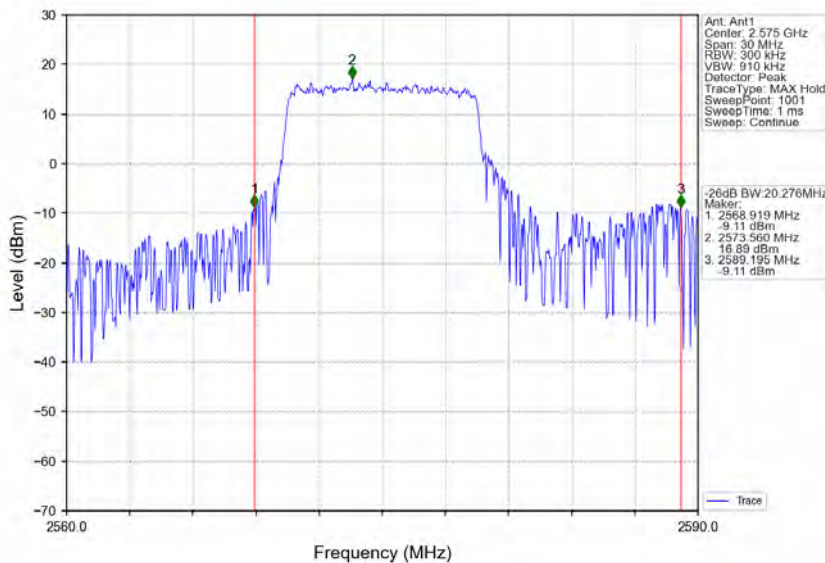
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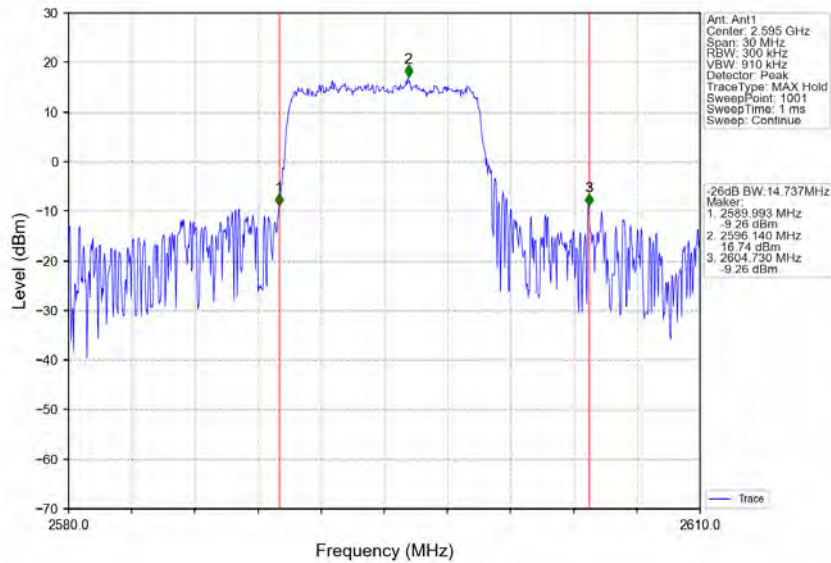
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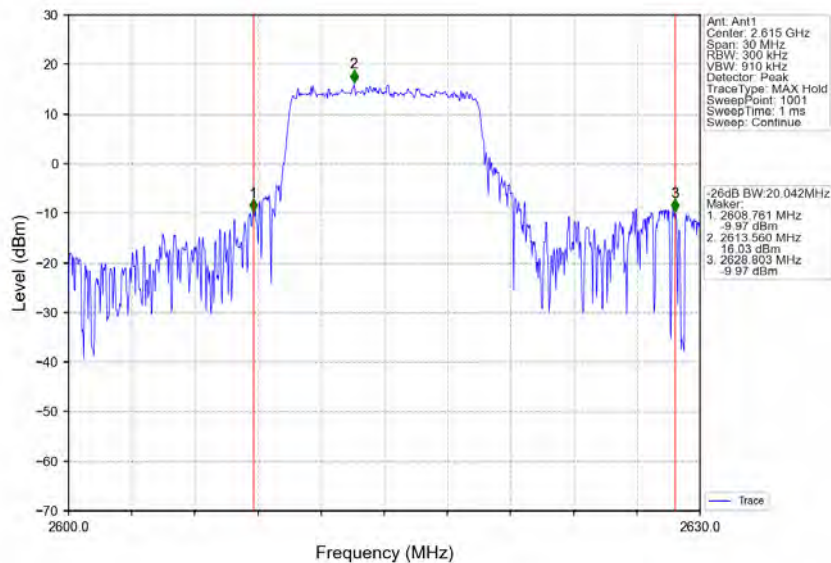
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Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



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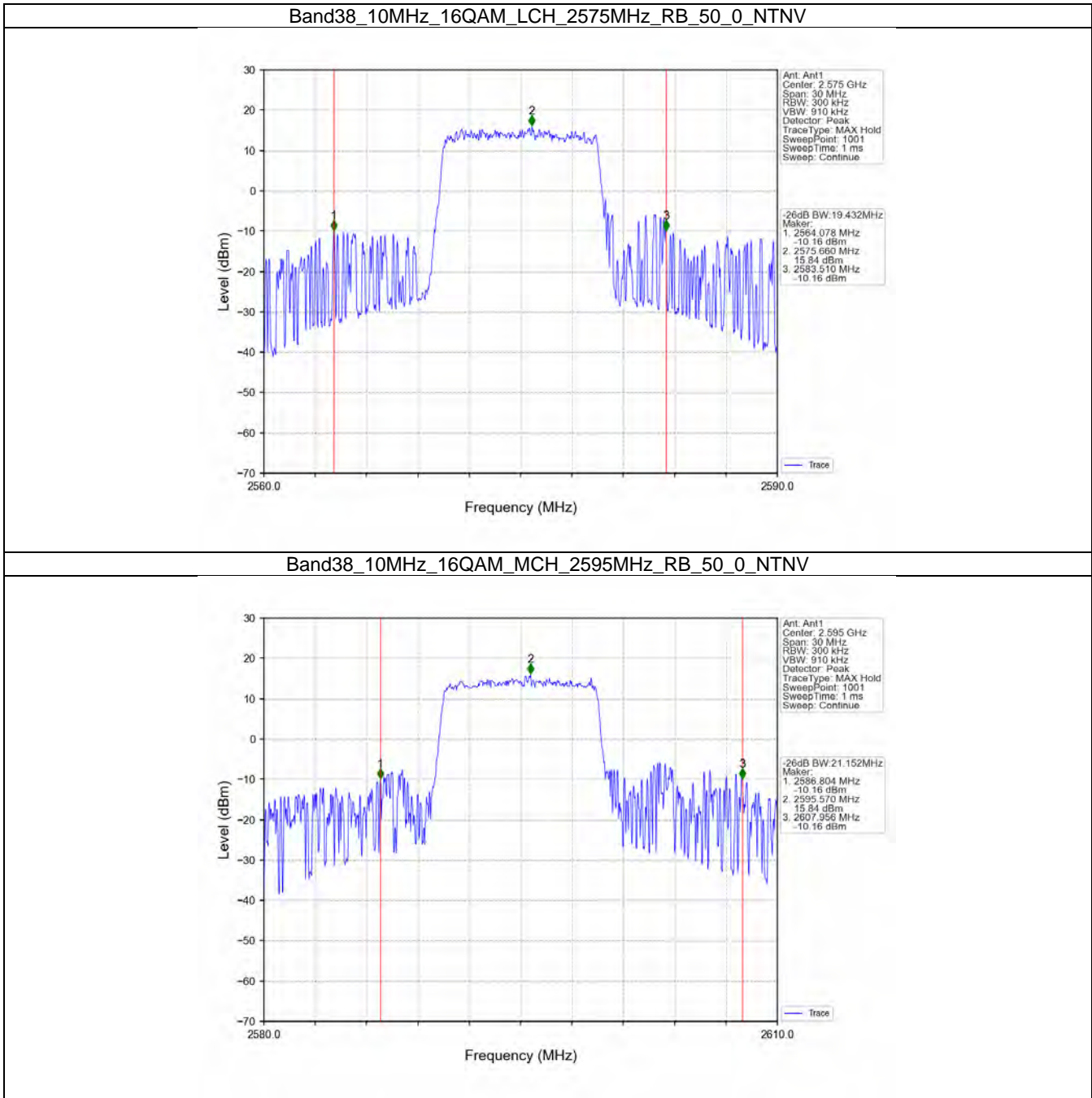
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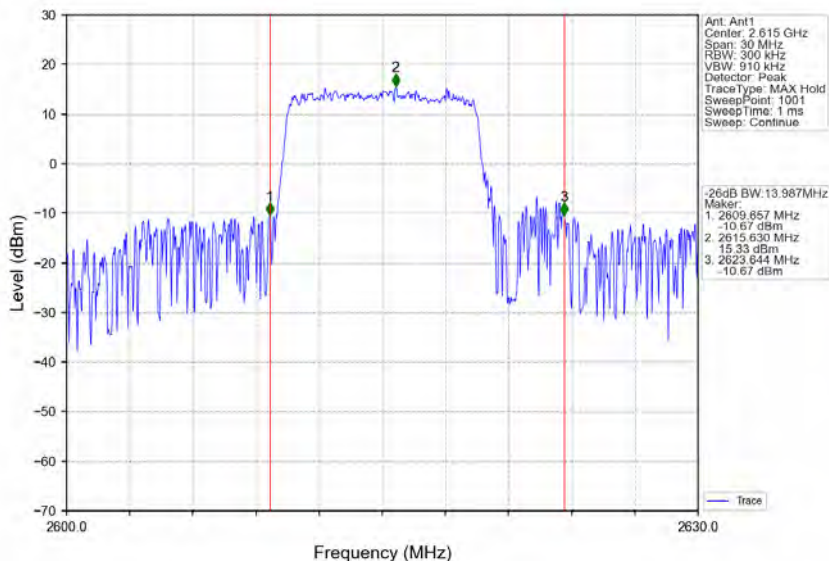
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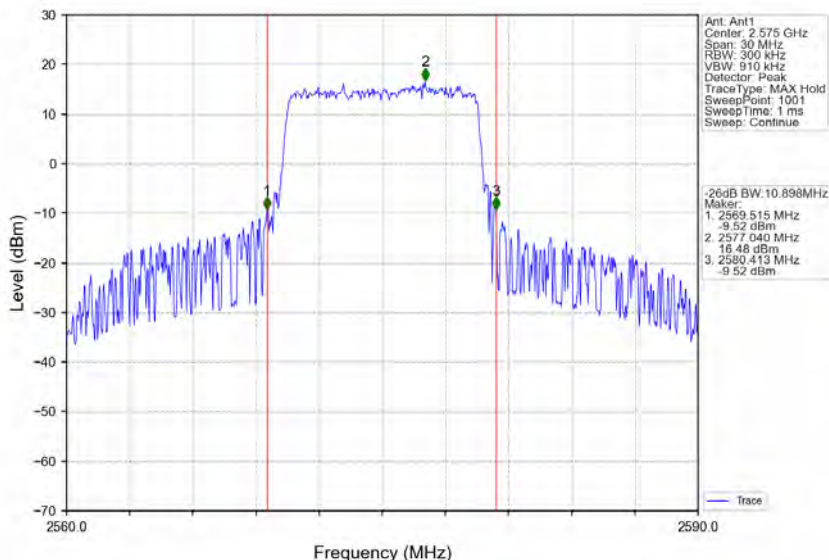
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Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



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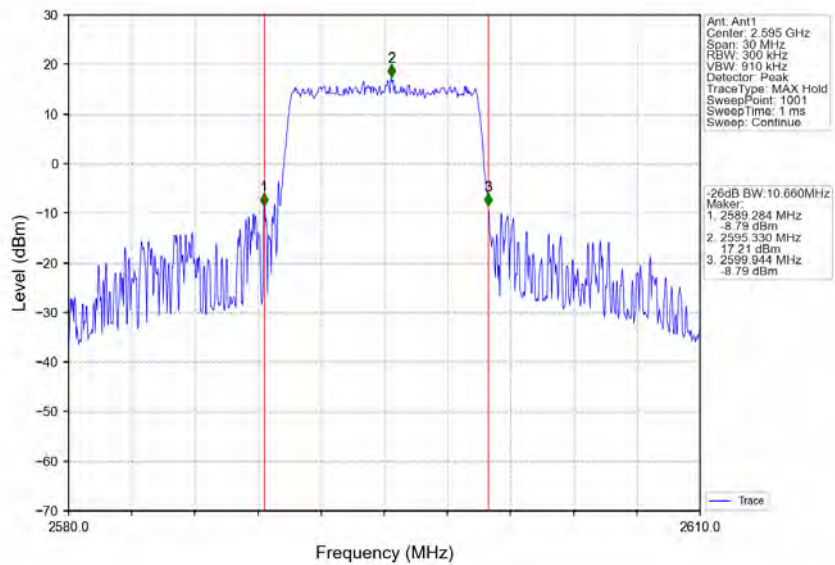
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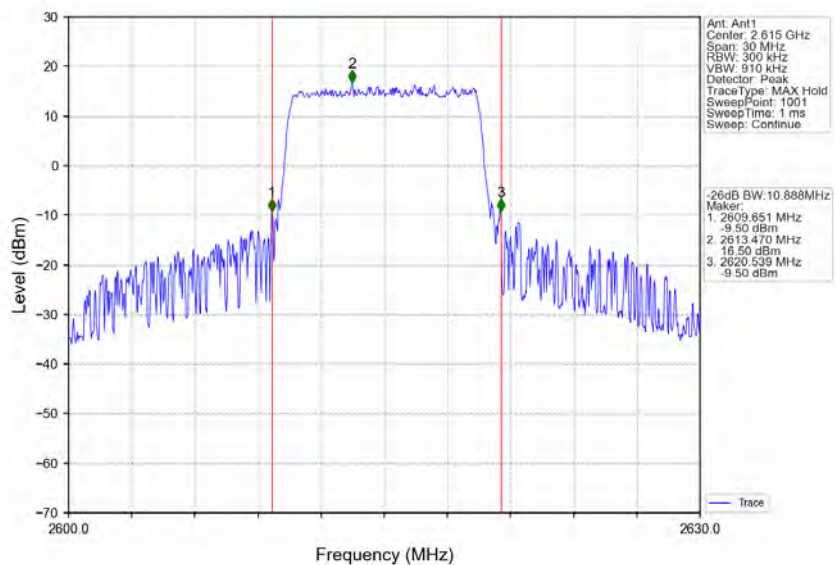
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Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



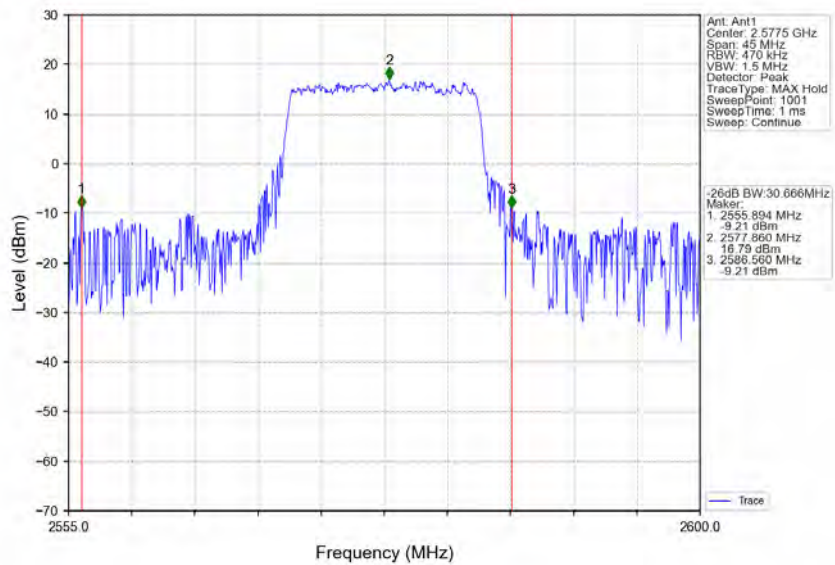
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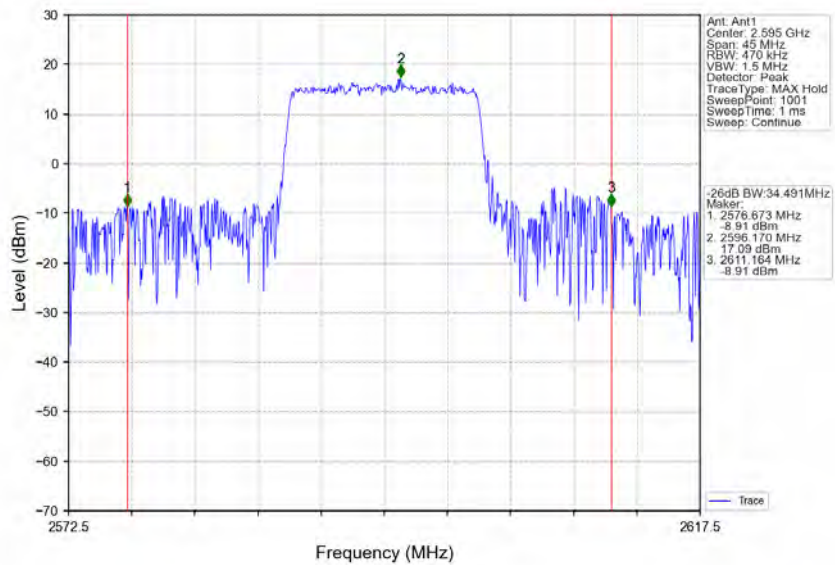
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



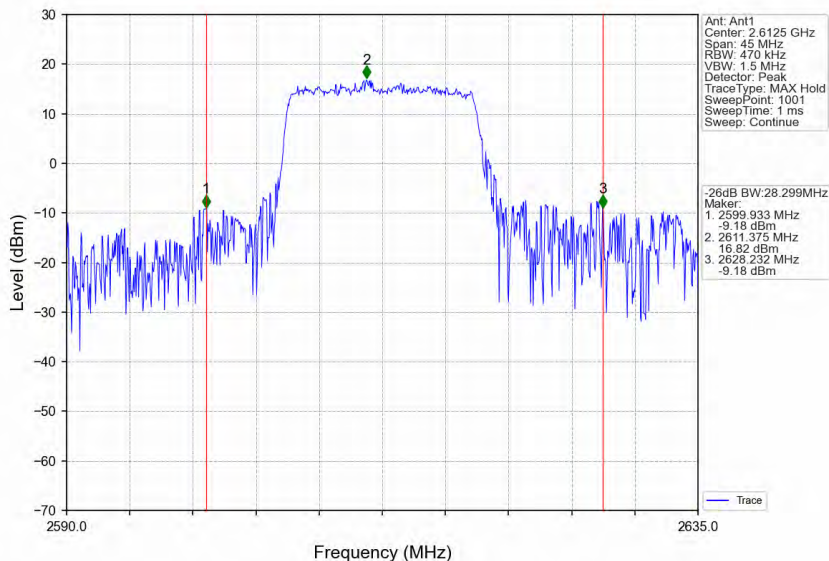
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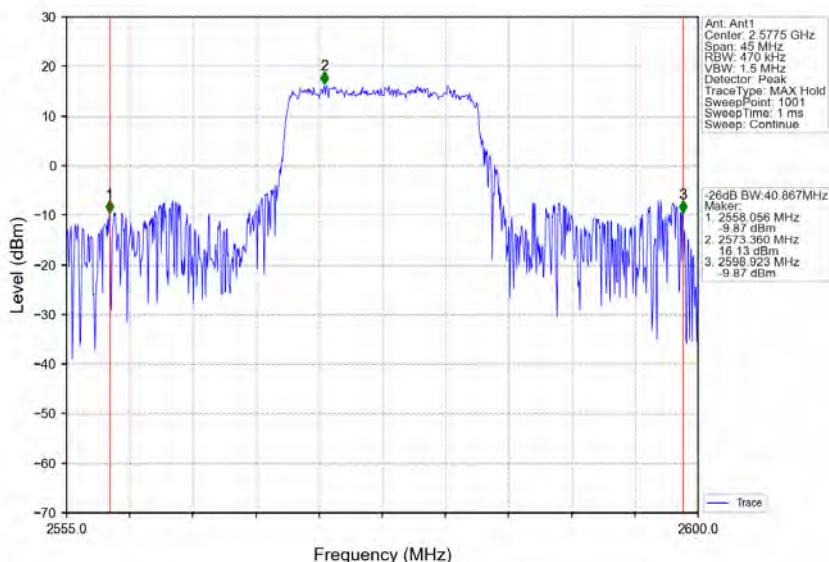
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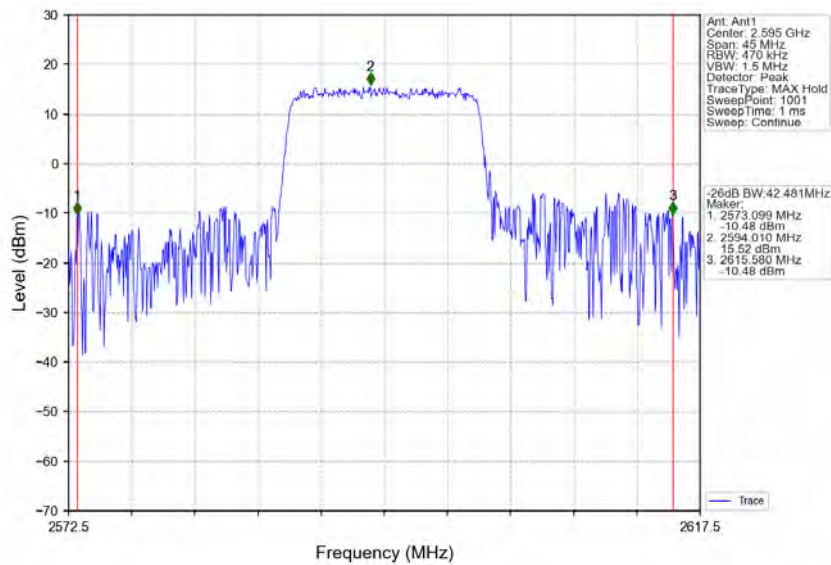
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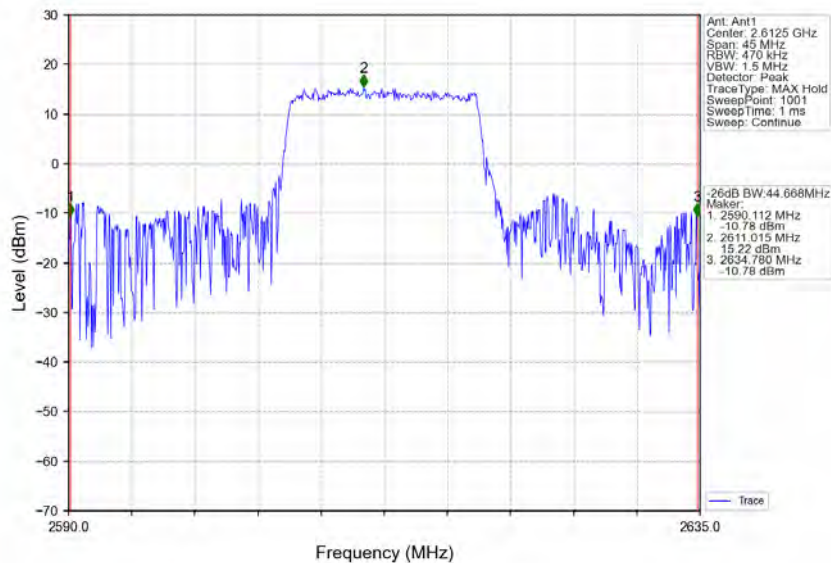
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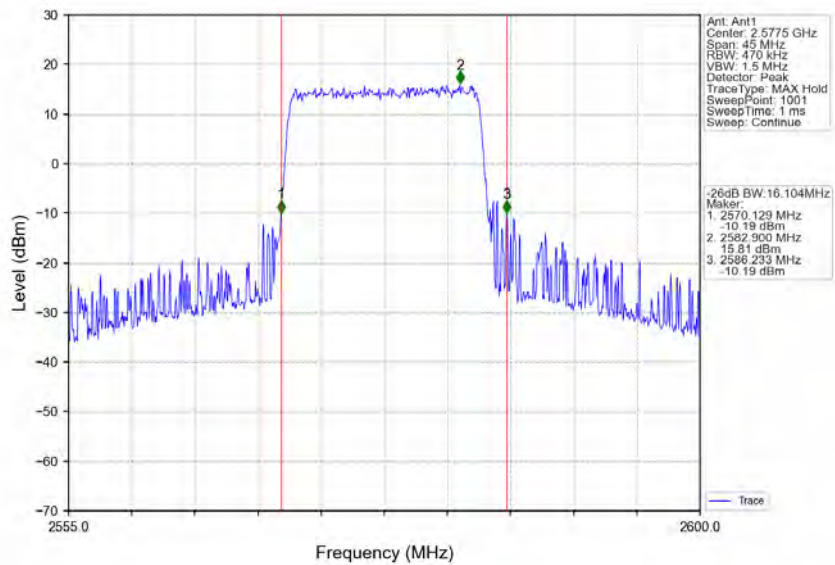
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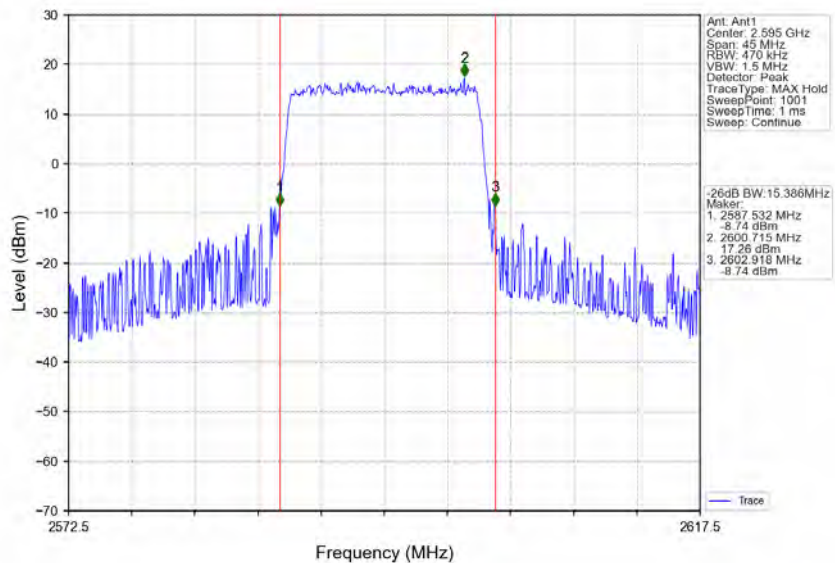
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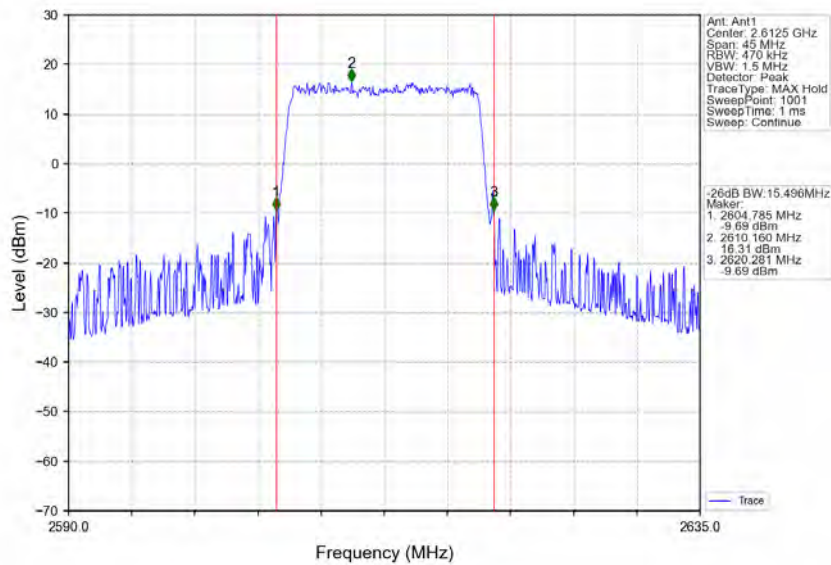
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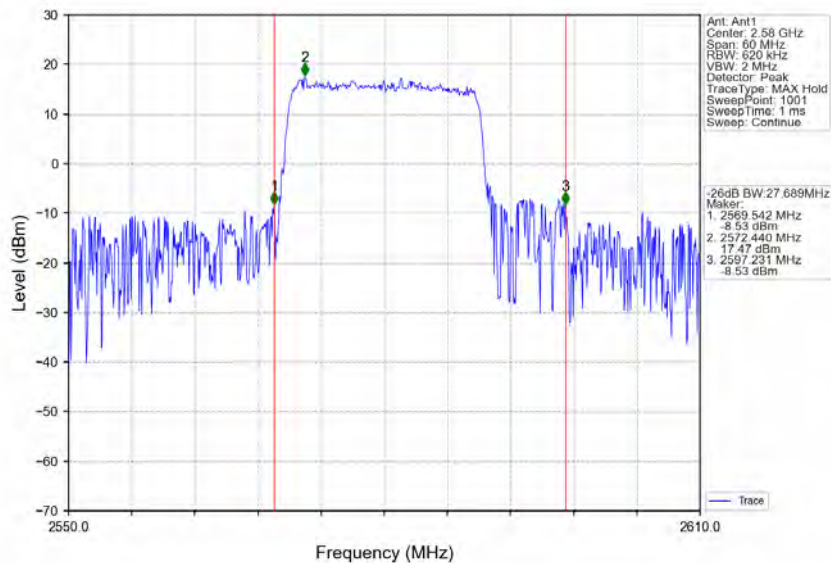
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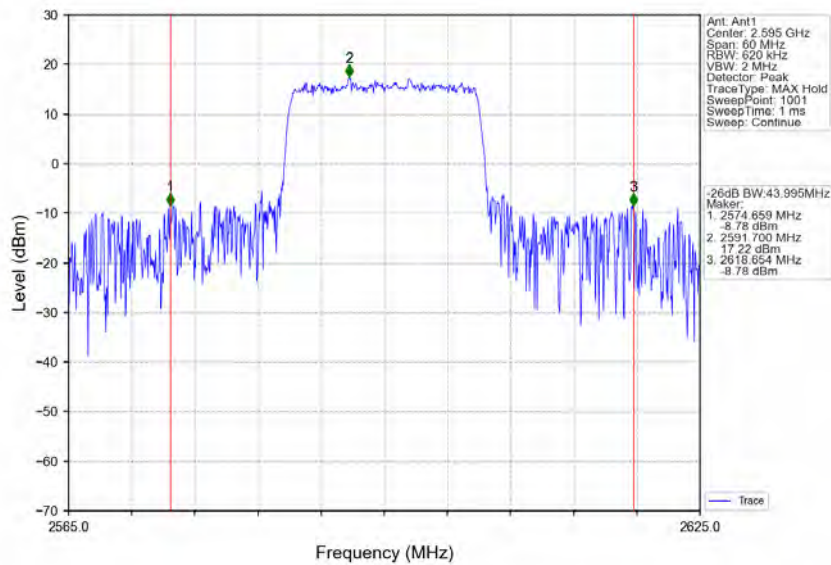
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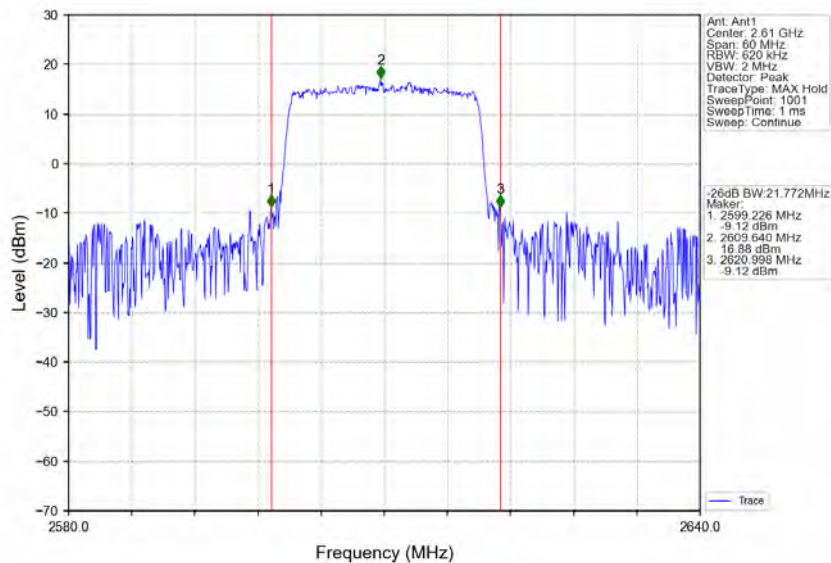
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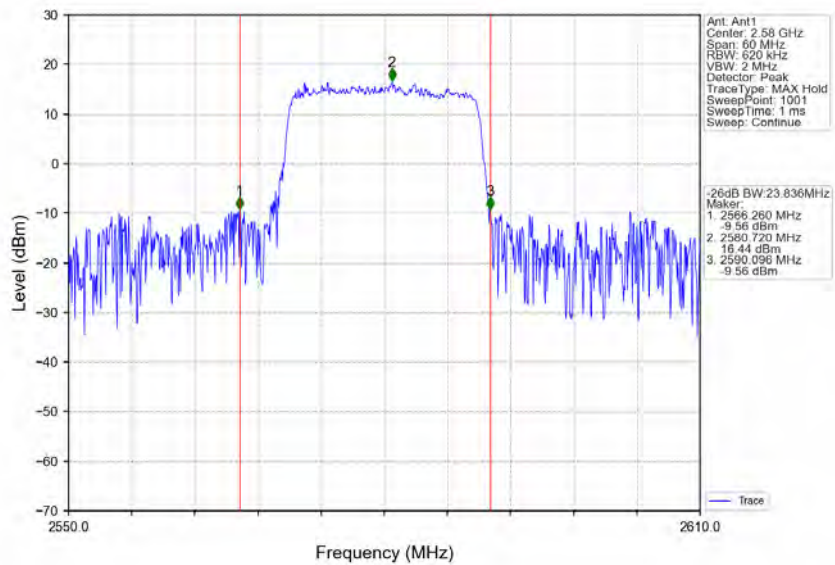
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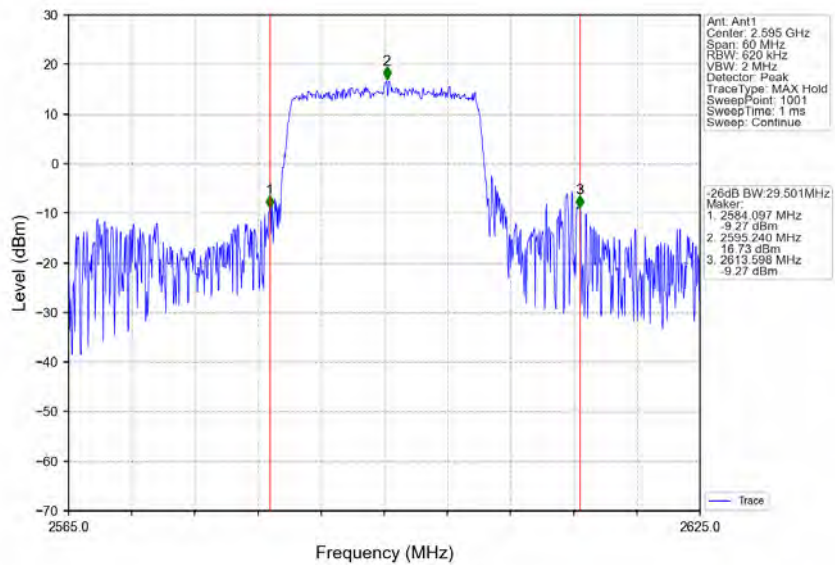
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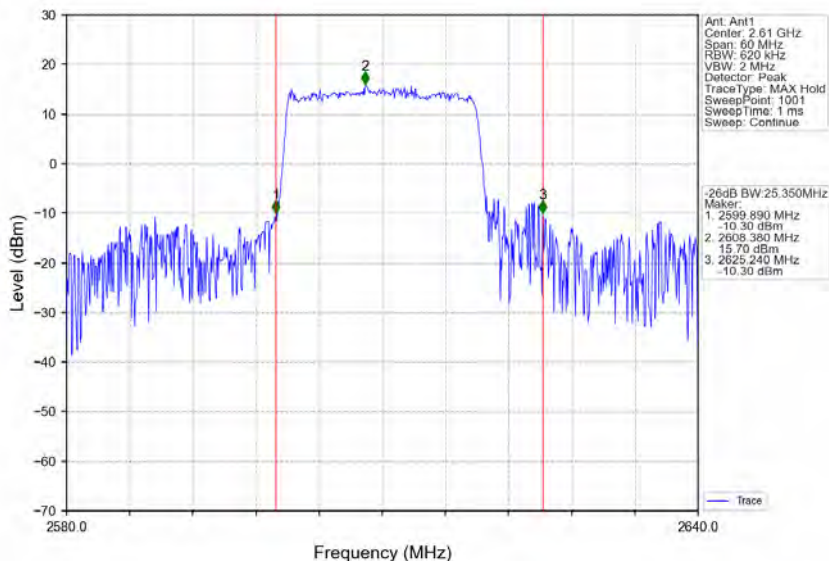
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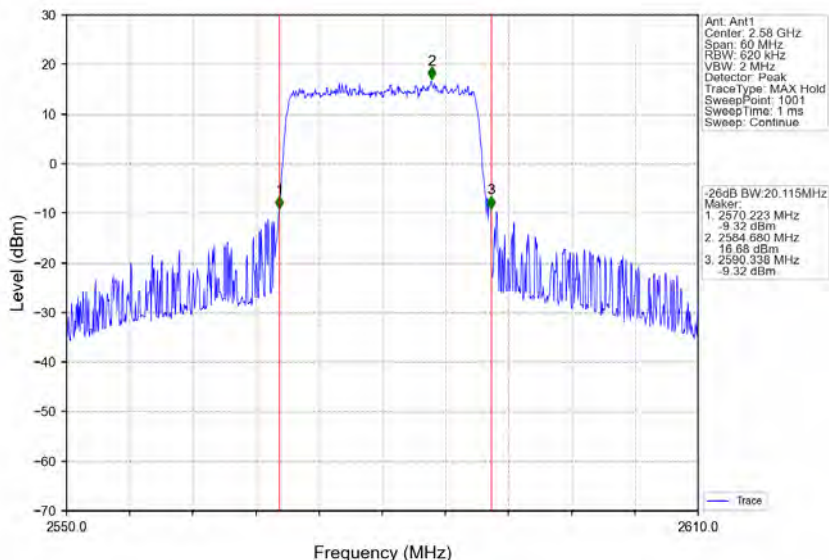
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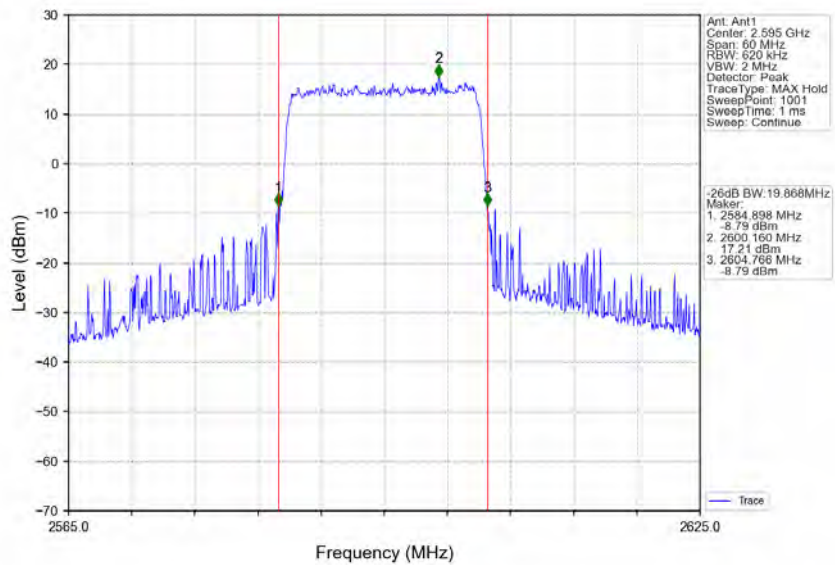


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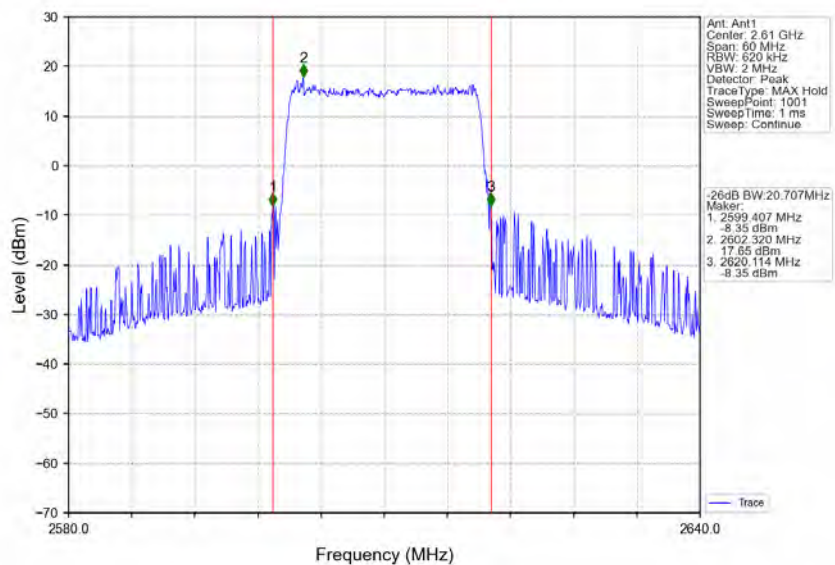
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Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



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5. Peak-Average Ratio

5.1 B38_5MHz

5.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.27	<=13	Pass
	2595	25	0	7.39	<=13	Pass
	2617.5	25	0	7.21	<=13	Pass
16QAM	2572.5	25	0	7.91	<=13	Pass
	2595	25	0	8.05	<=13	Pass
	2617.5	25	0	8.05	<=13	Pass
64QAM	2572.5	25	0	8.60	<=13	Pass
	2595	25	0	8.50	<=13	Pass
	2617.5	25	0	8.45	<=13	Pass



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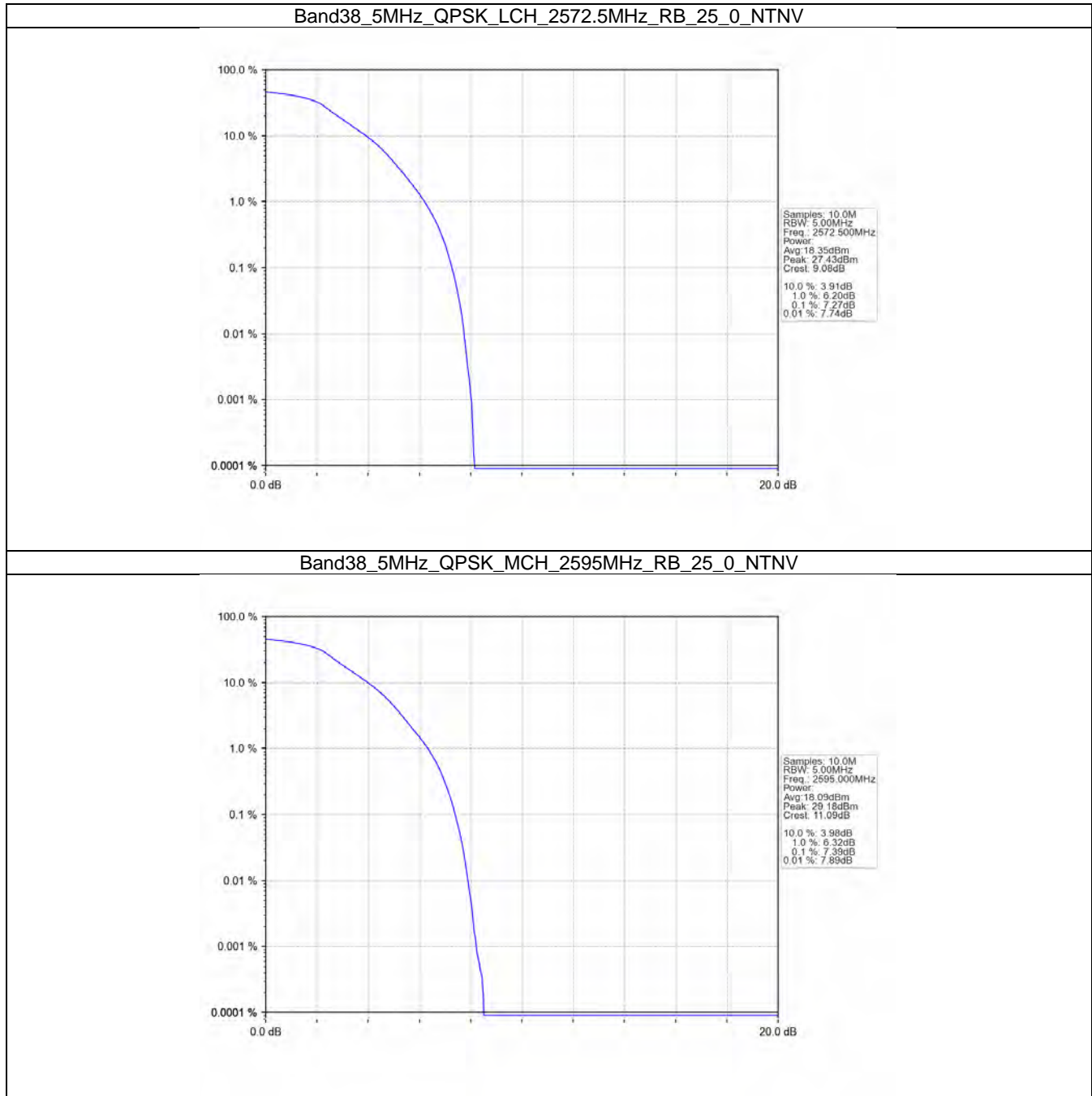
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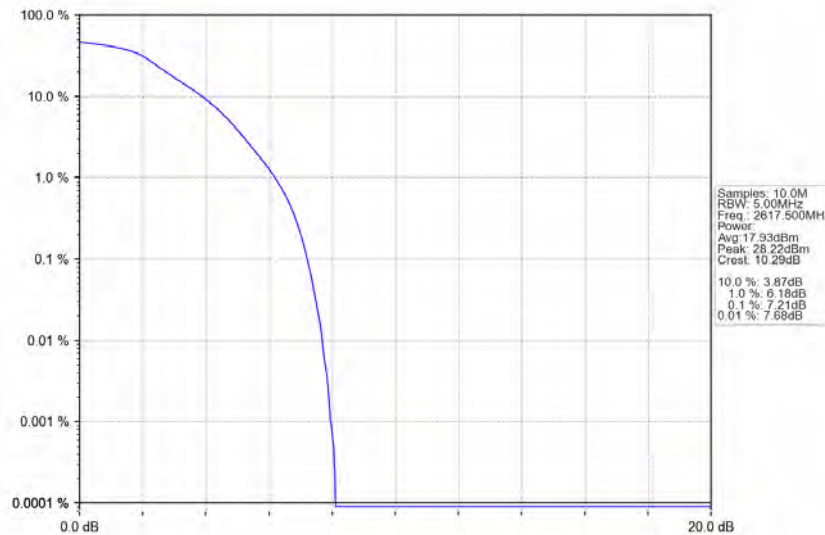
5.1.2 Test Graph



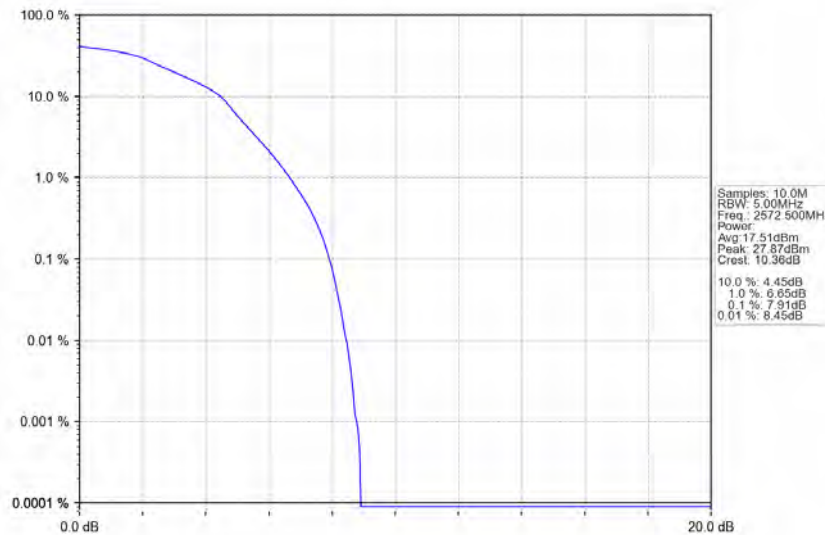
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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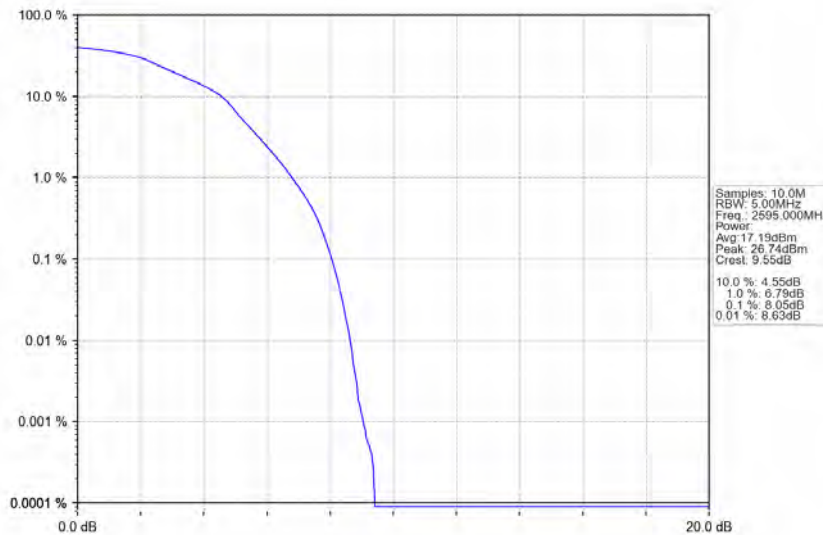
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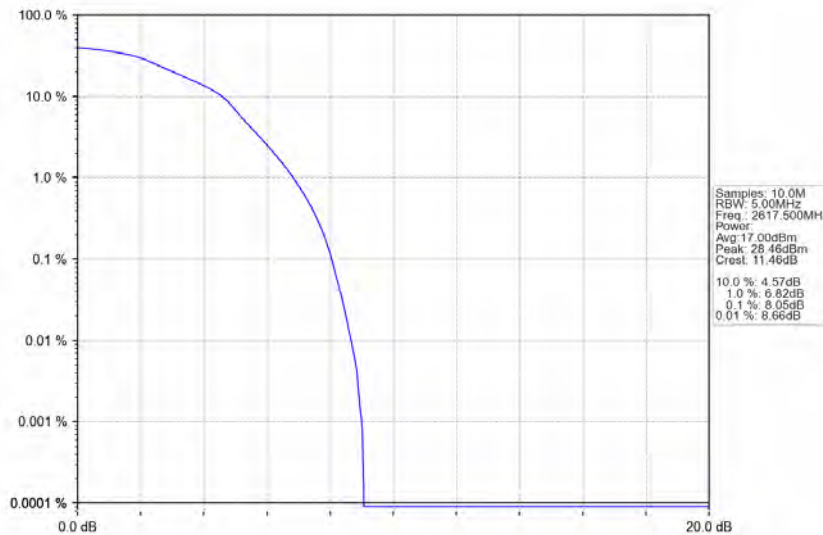
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Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



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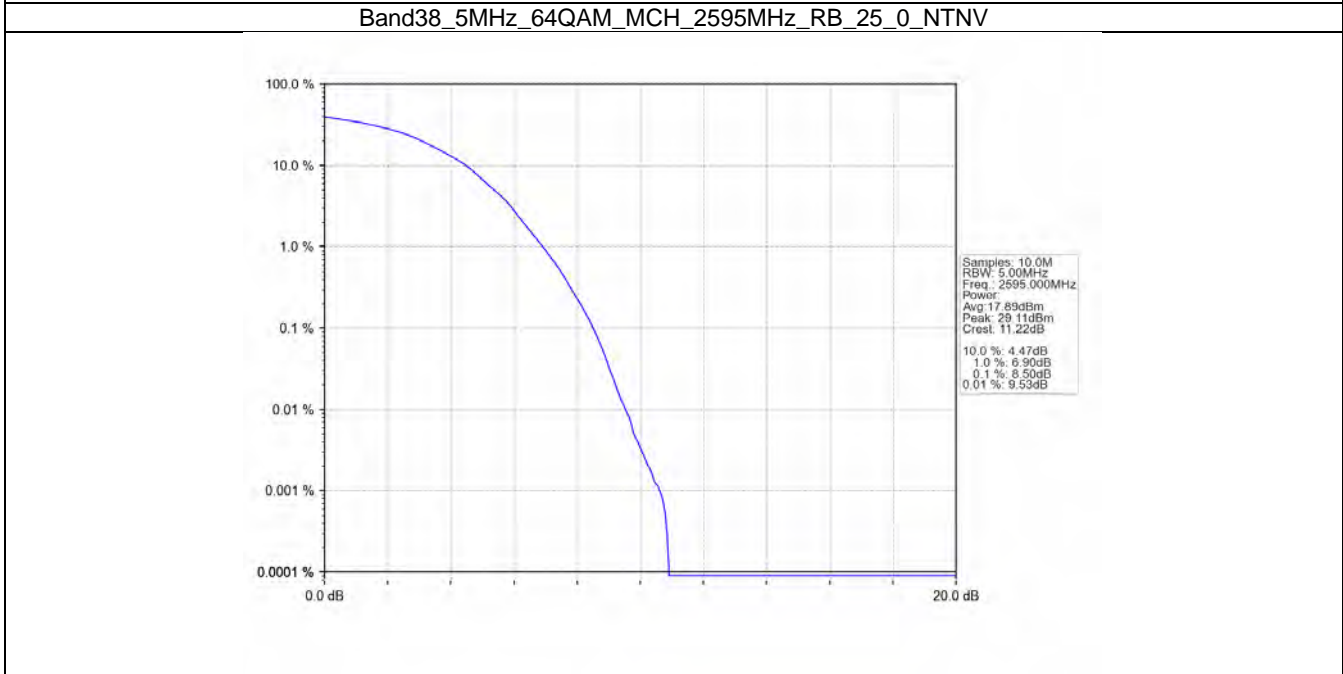
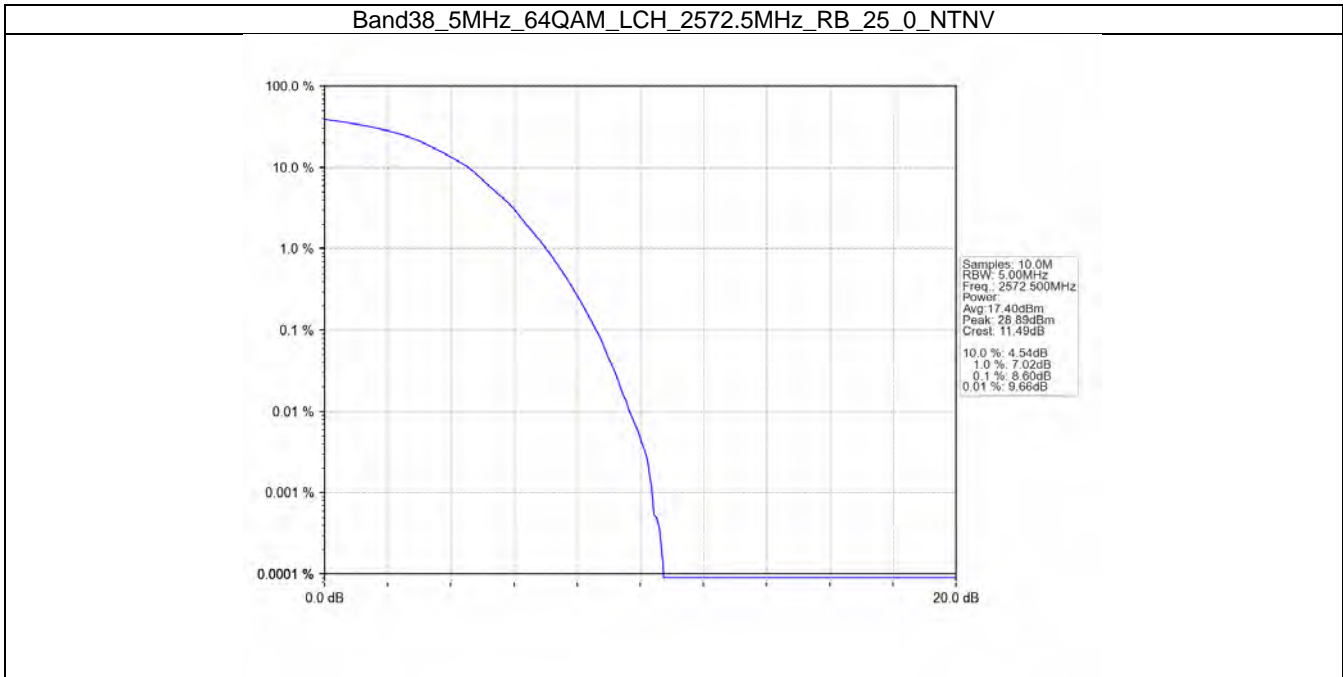
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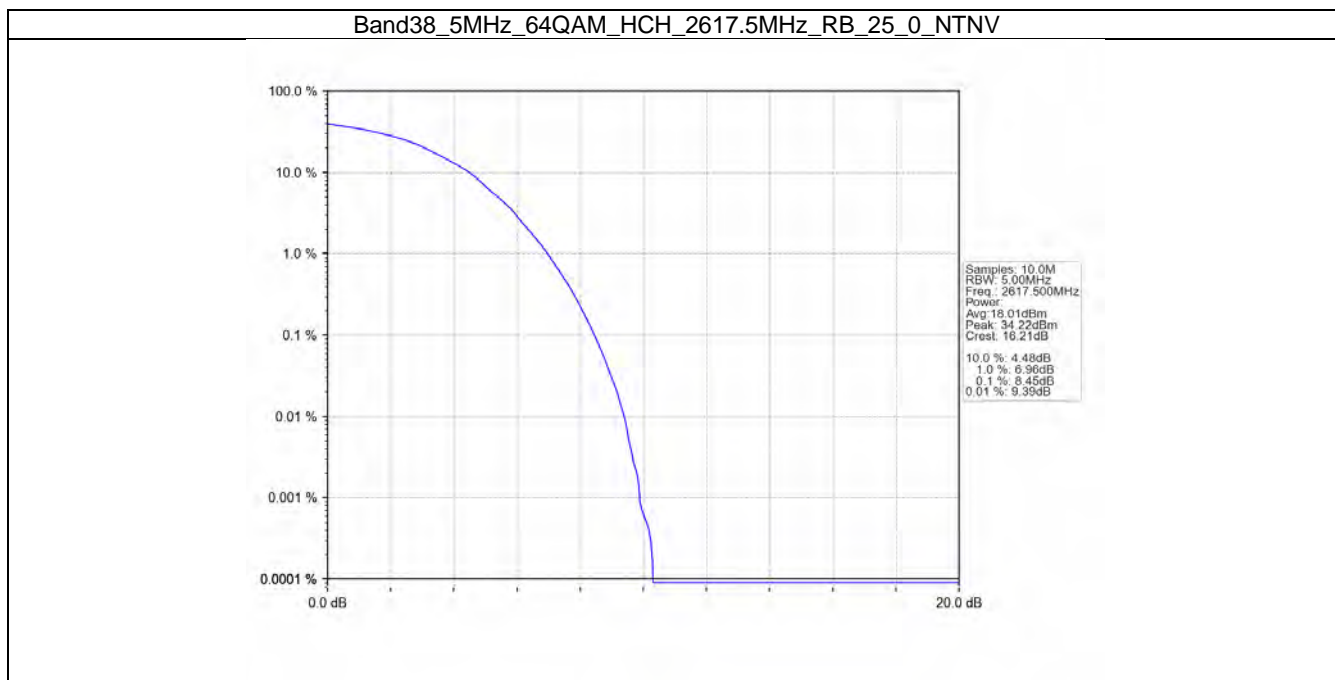
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5.2 B38_10MHz

5.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.29	<=13	Pass
	2595	50	0	7.55	<=13	Pass
	2615	50	0	7.40	<=13	Pass
16QAM	2575	50	0	8.46	<=13	Pass
	2595	50	0	8.40	<=13	Pass
	2615	50	0	8.50	<=13	Pass
64QAM	2575	50	0	8.85	<=13	Pass
	2595	50	0	8.60	<=13	Pass
	2615	50	0	8.63	<=13	Pass



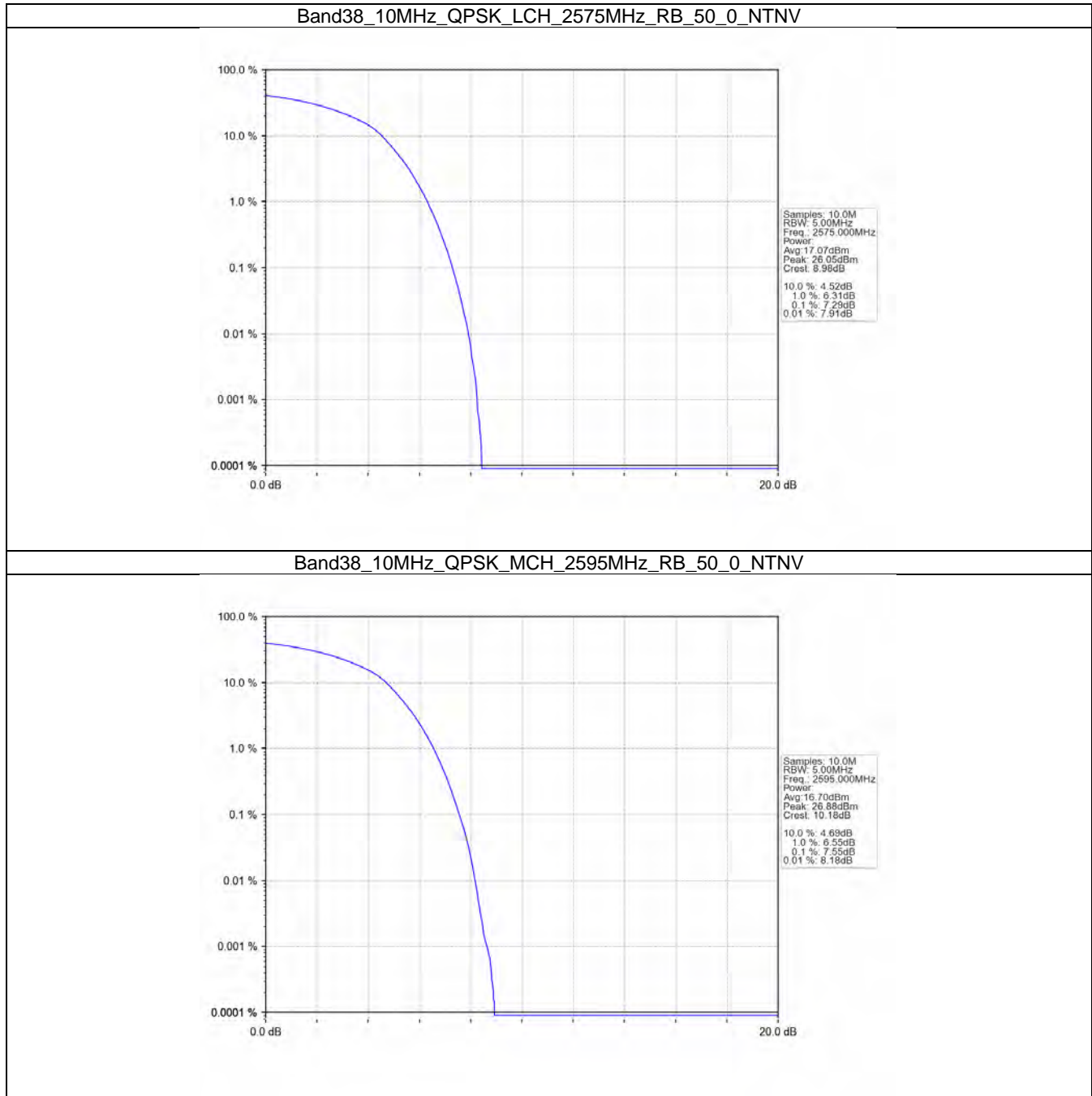
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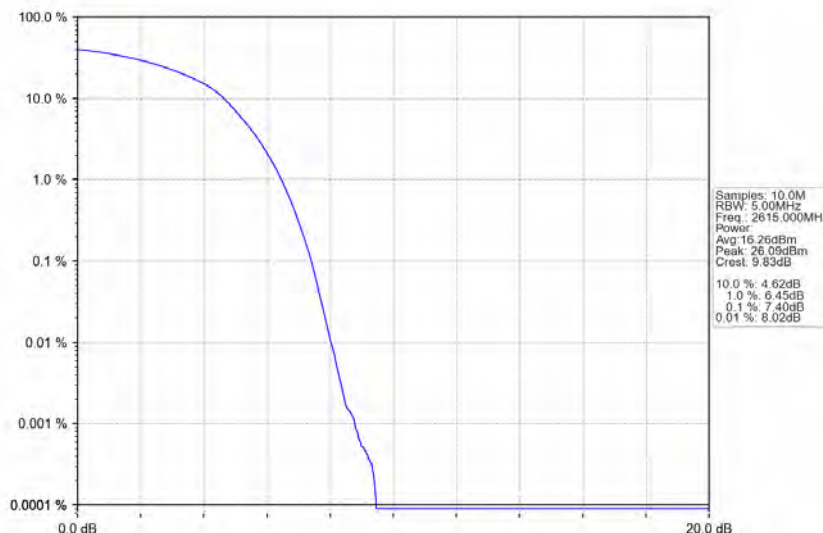
5.2.2 Test Graph



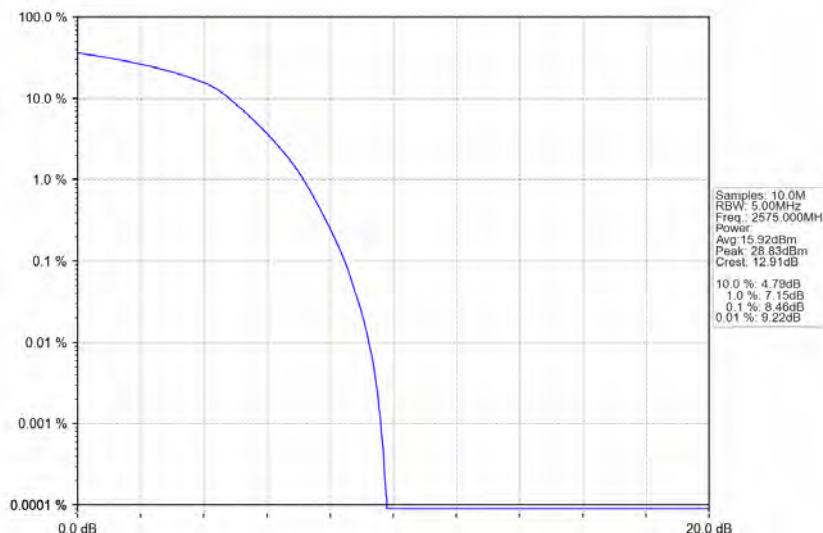
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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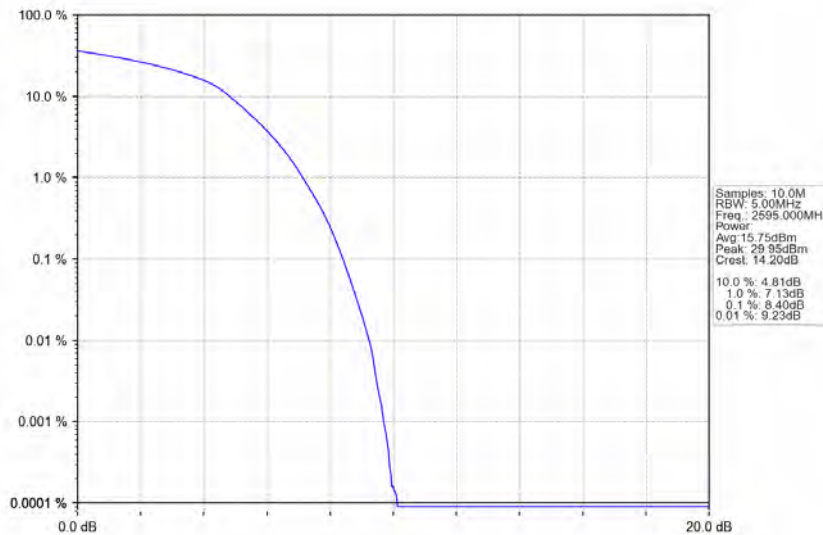
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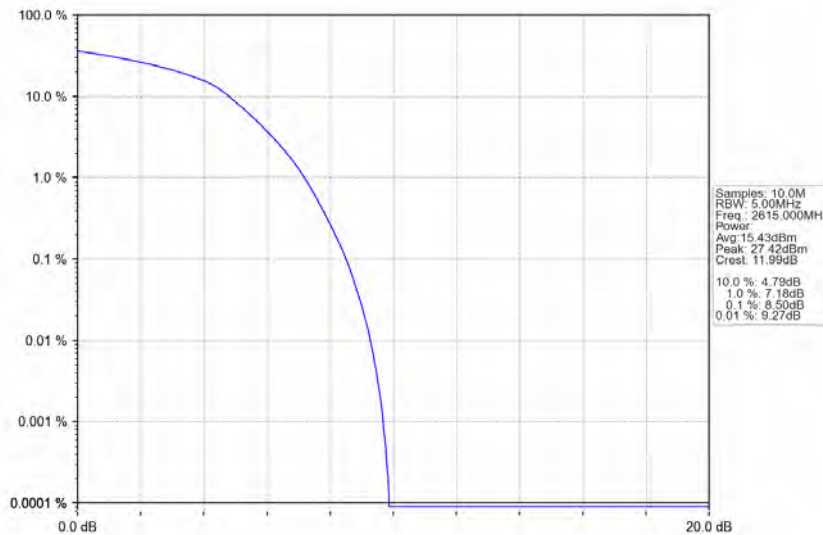
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Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV

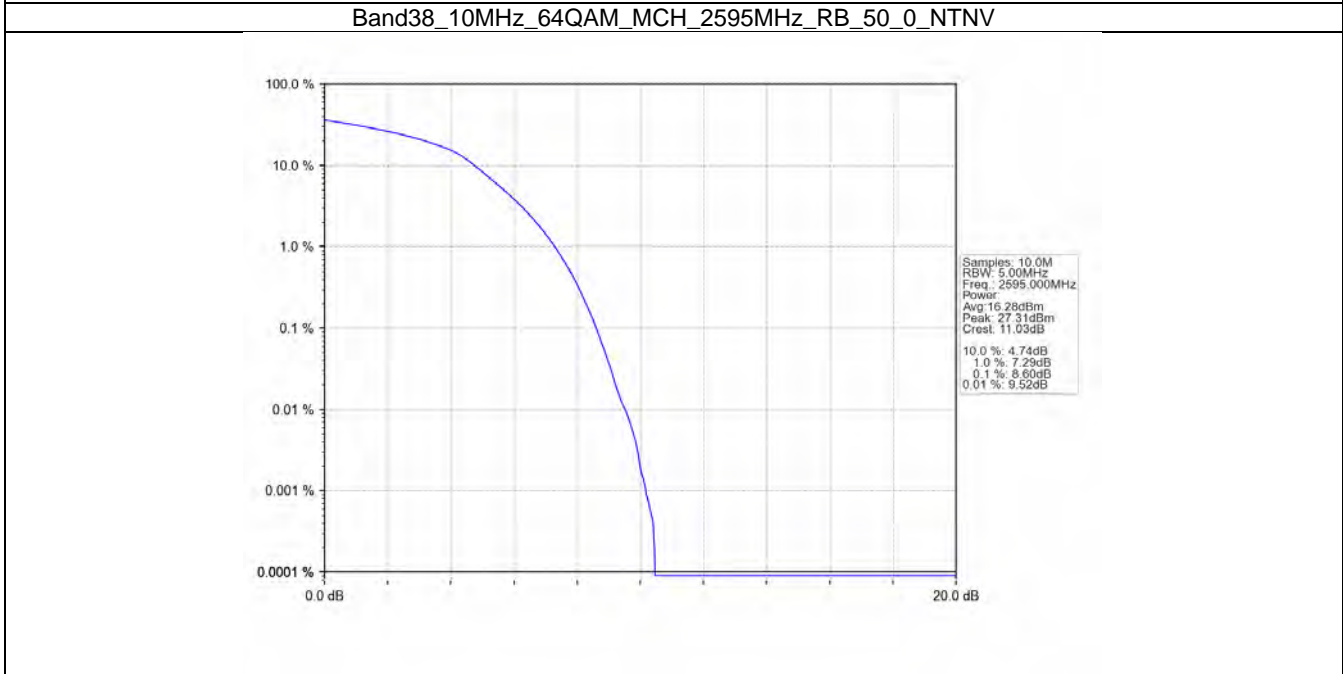
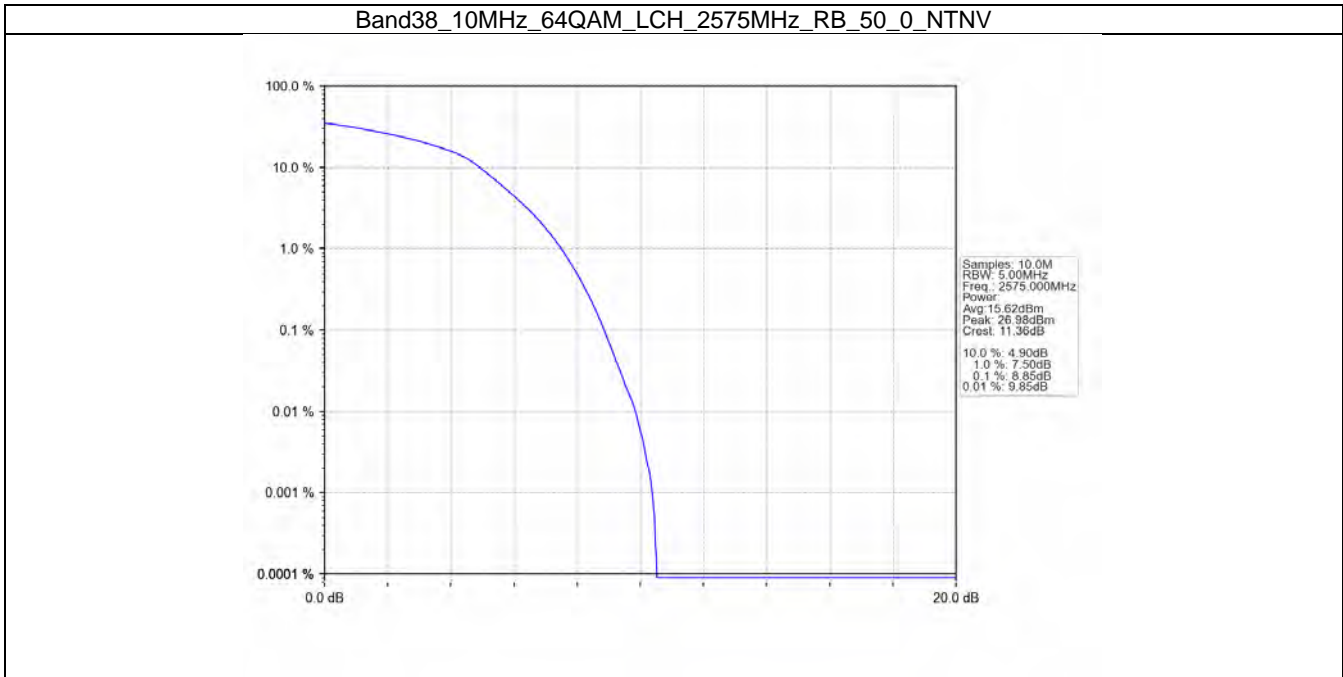


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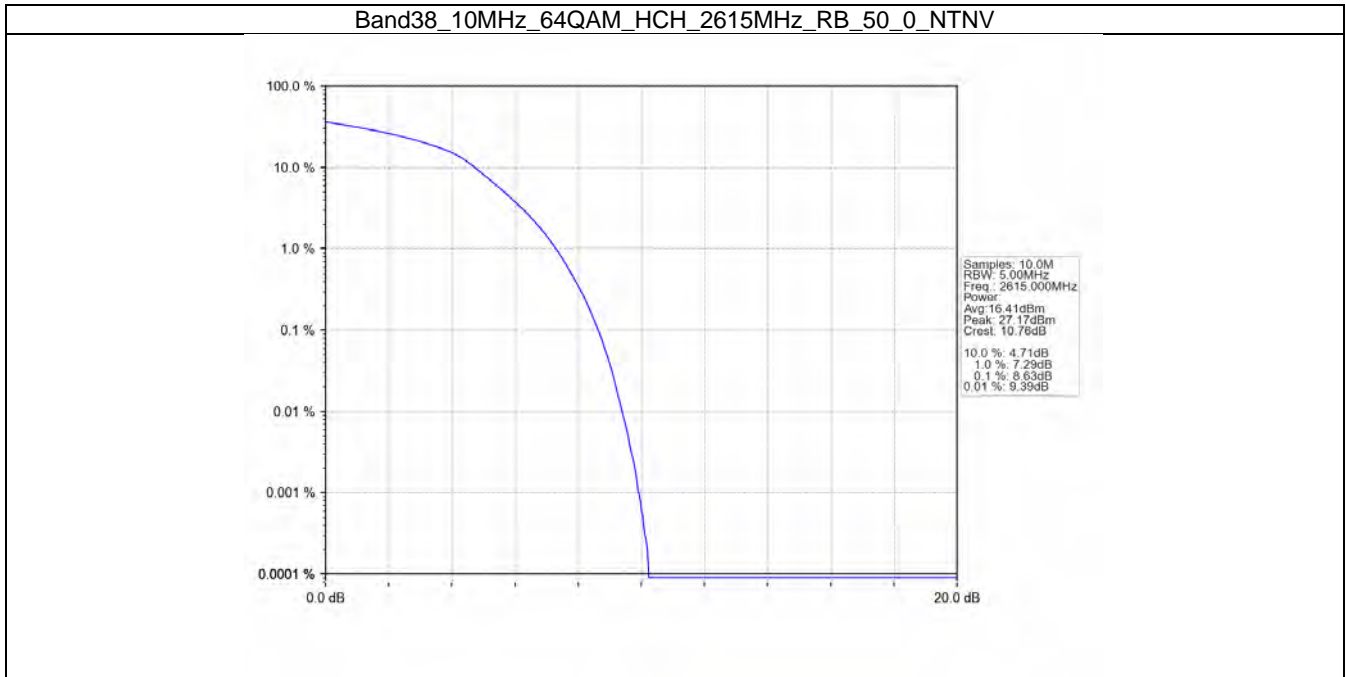
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5.3 B38_15MHz

5.3.1 Test Result

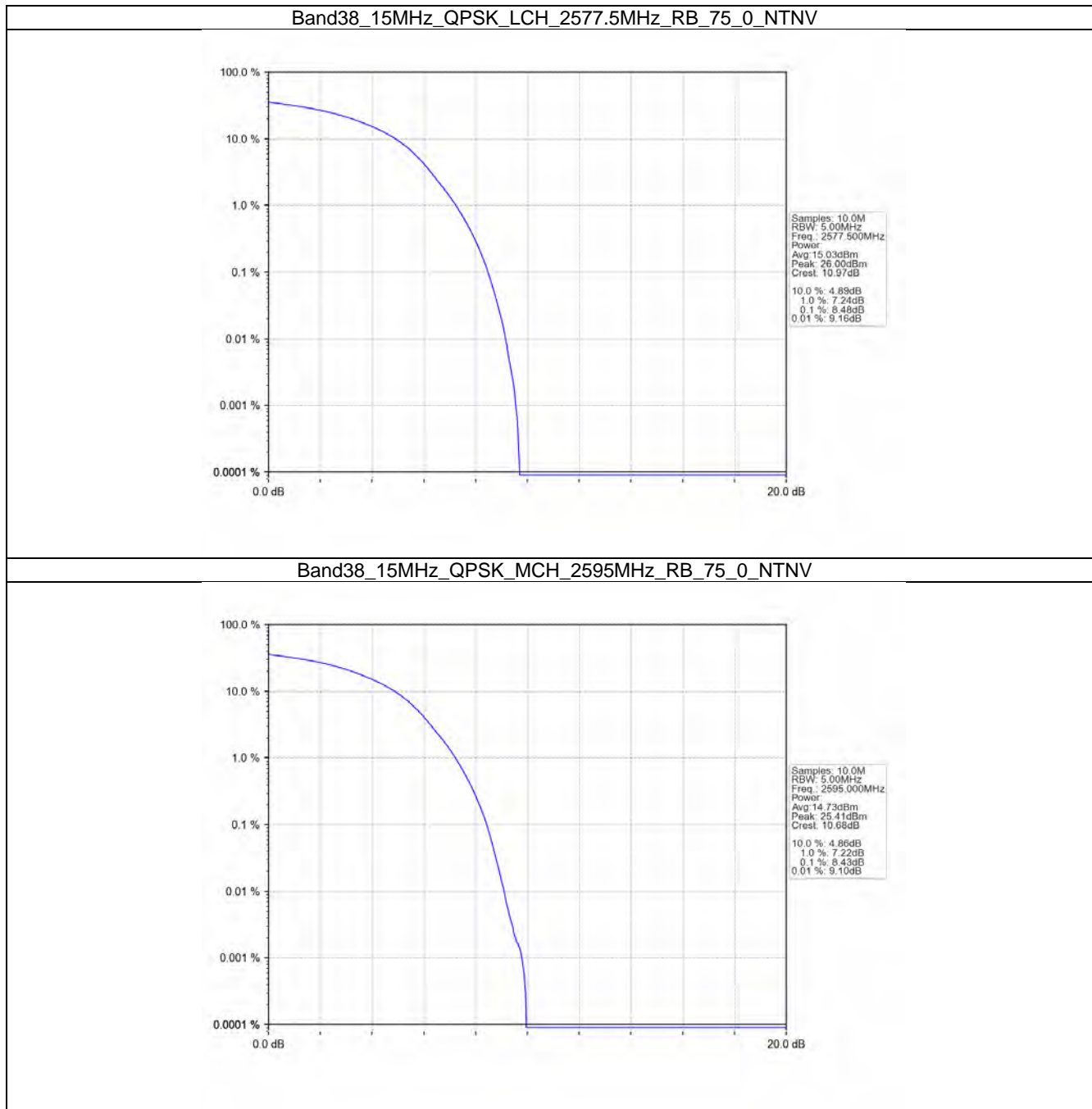
Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	8.48	<=13	Pass
	2595	75	0	8.43	<=13	Pass
	2612.5	75	0	8.28	<=13	Pass
16QAM	2577.5	75	0	8.94	<=13	Pass
	2595	75	0	9.11	<=13	Pass
	2612.5	75	0	9.03	<=13	Pass
64QAM	2577.5	75	0	9.09	<=13	Pass
	2595	75	0	9.22	<=13	Pass
	2612.5	75	0	9.13	<=13	Pass



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5.3.2 Test Graph

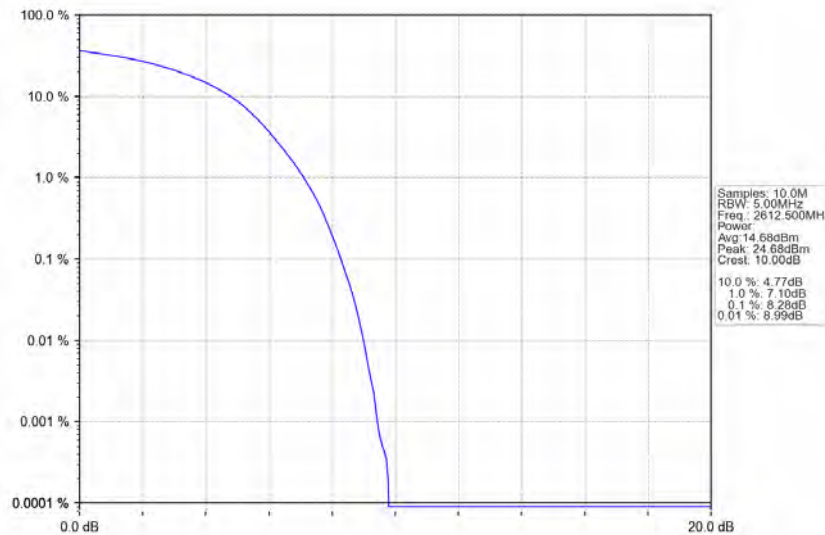


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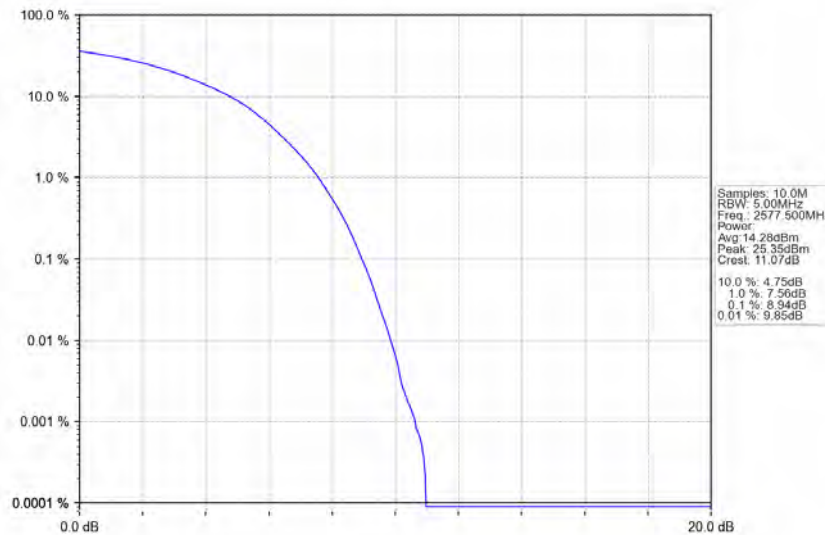
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



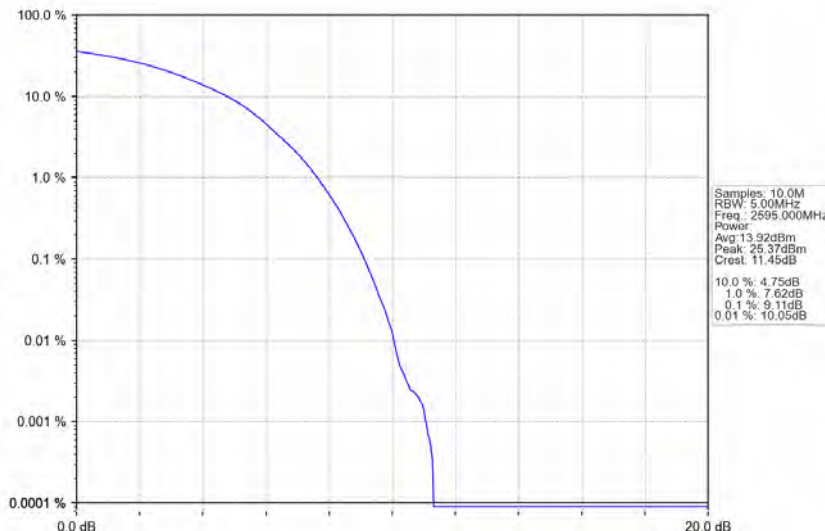
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



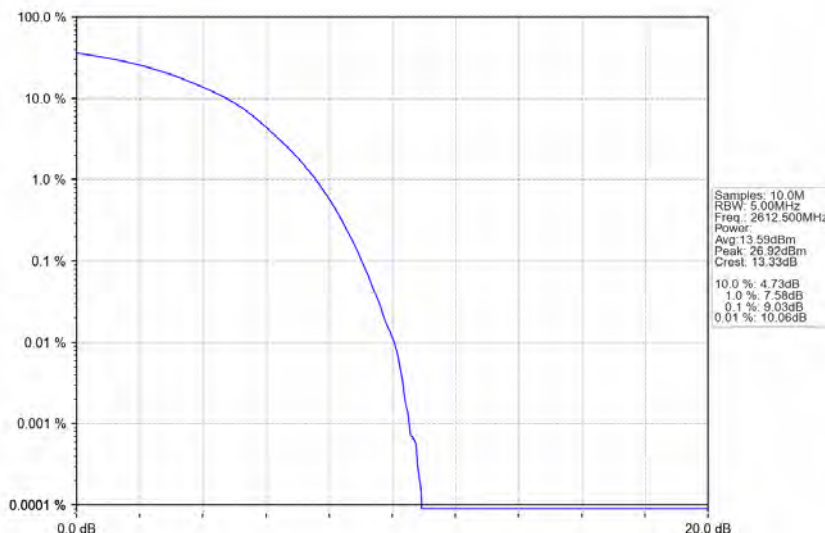
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Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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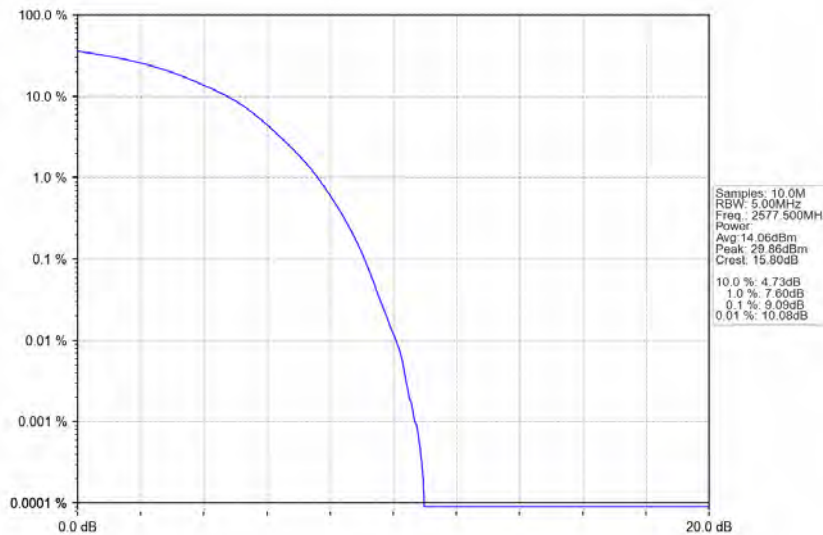
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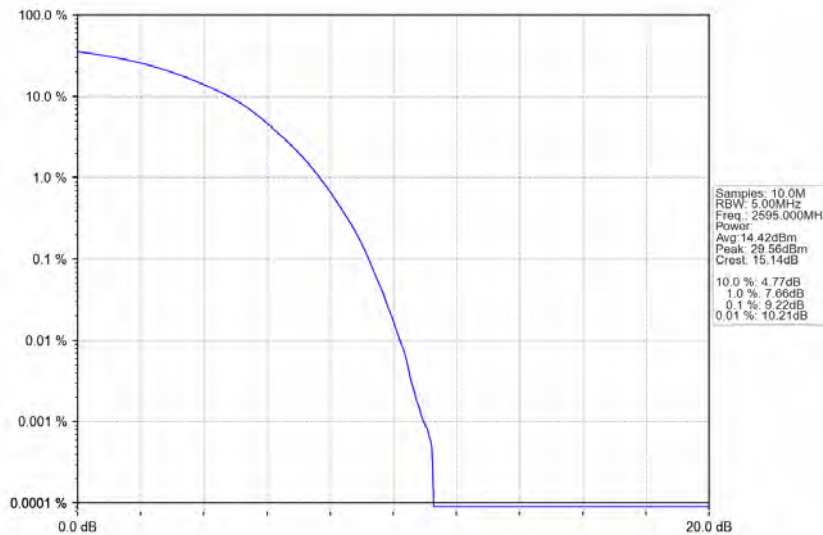
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



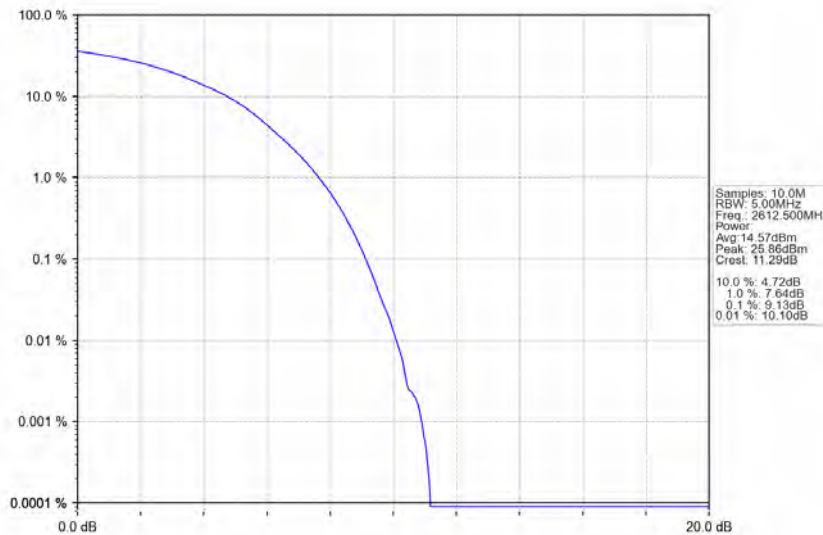
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



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5.4 B38_20MHz

5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	8.79	<=13	Pass
	2595	100	0	8.82	<=13	Pass
	2610	100	0	8.83	<=13	Pass
16QAM	2580	100	0	9.34	<=13	Pass
	2595	100	0	12.70	<=13	Pass
	2610	100	0	9.37	<=13	Pass
64QAM	2580	100	0	9.33	<=13	Pass
	2595	100	0	9.33	<=13	Pass
	2610	100	0	9.43	<=13	Pass



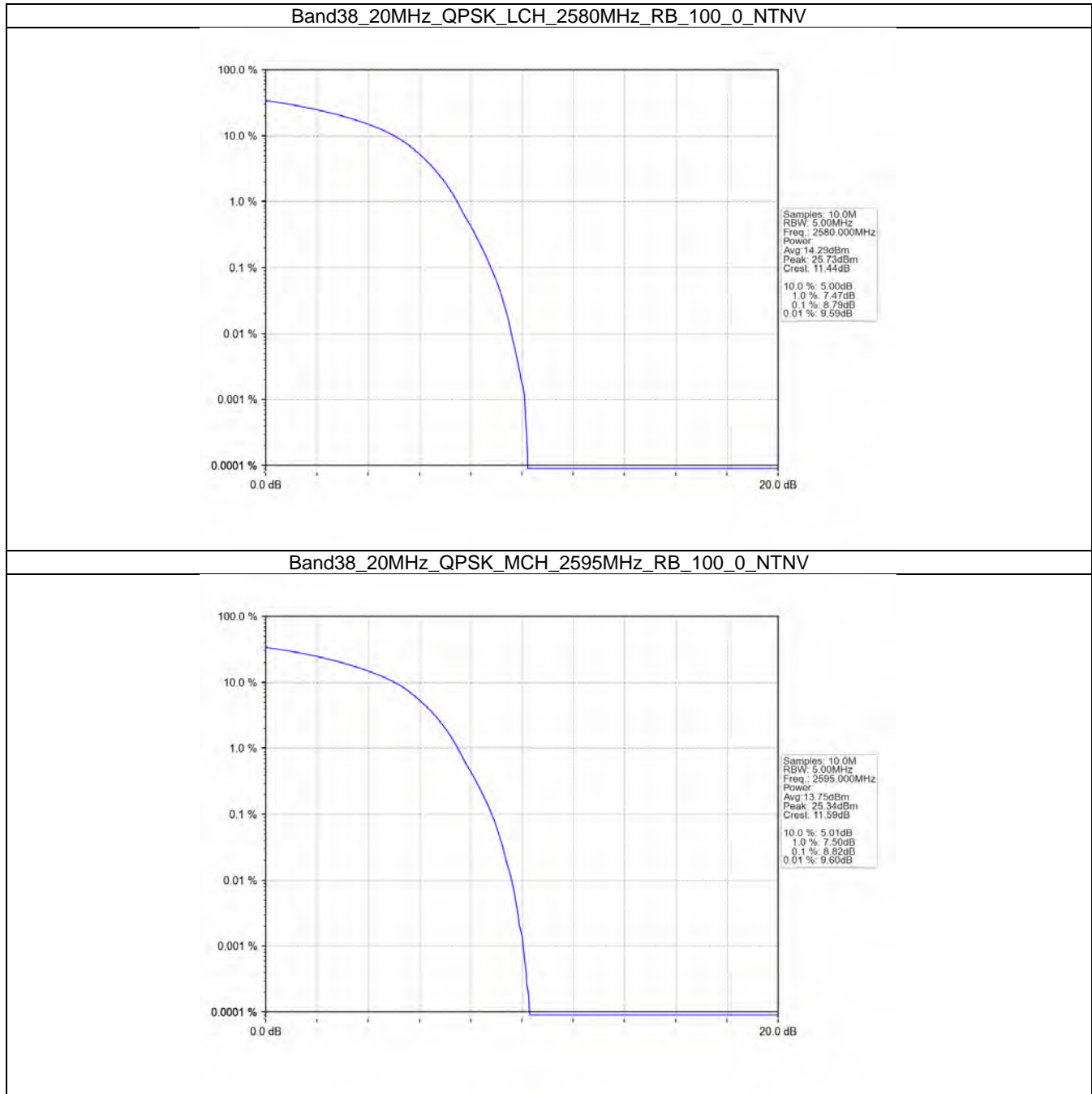
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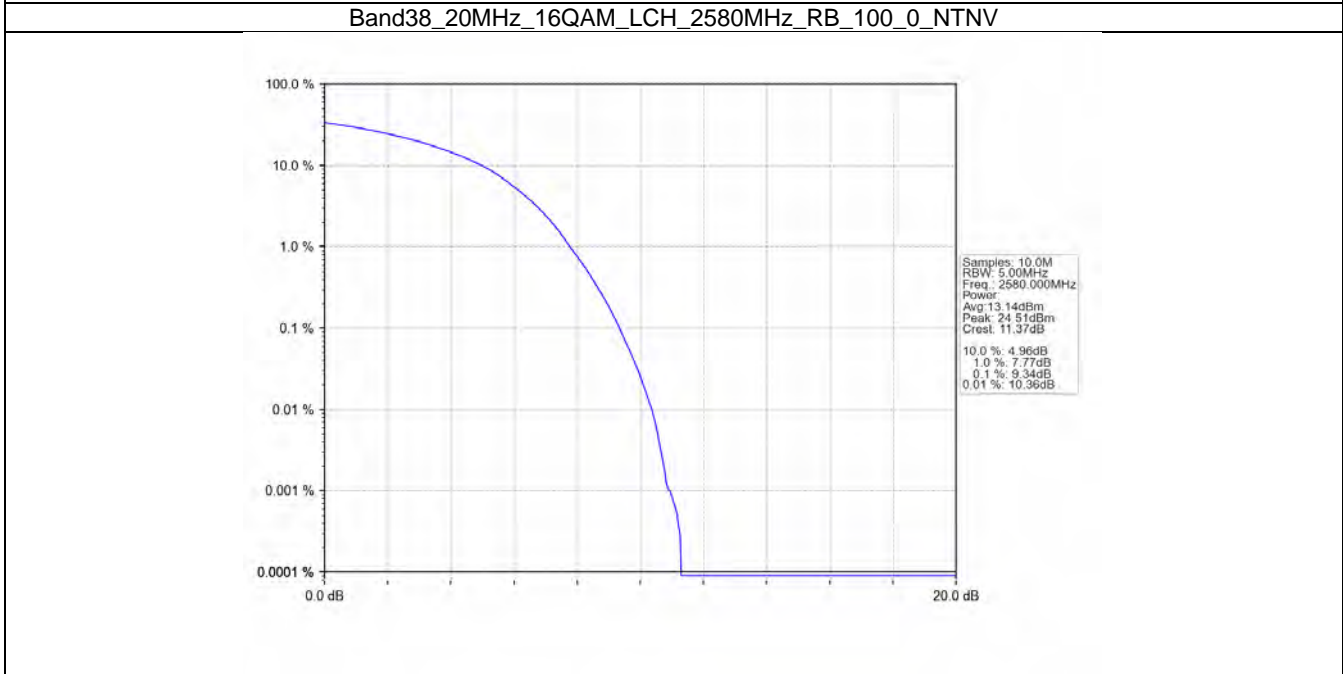
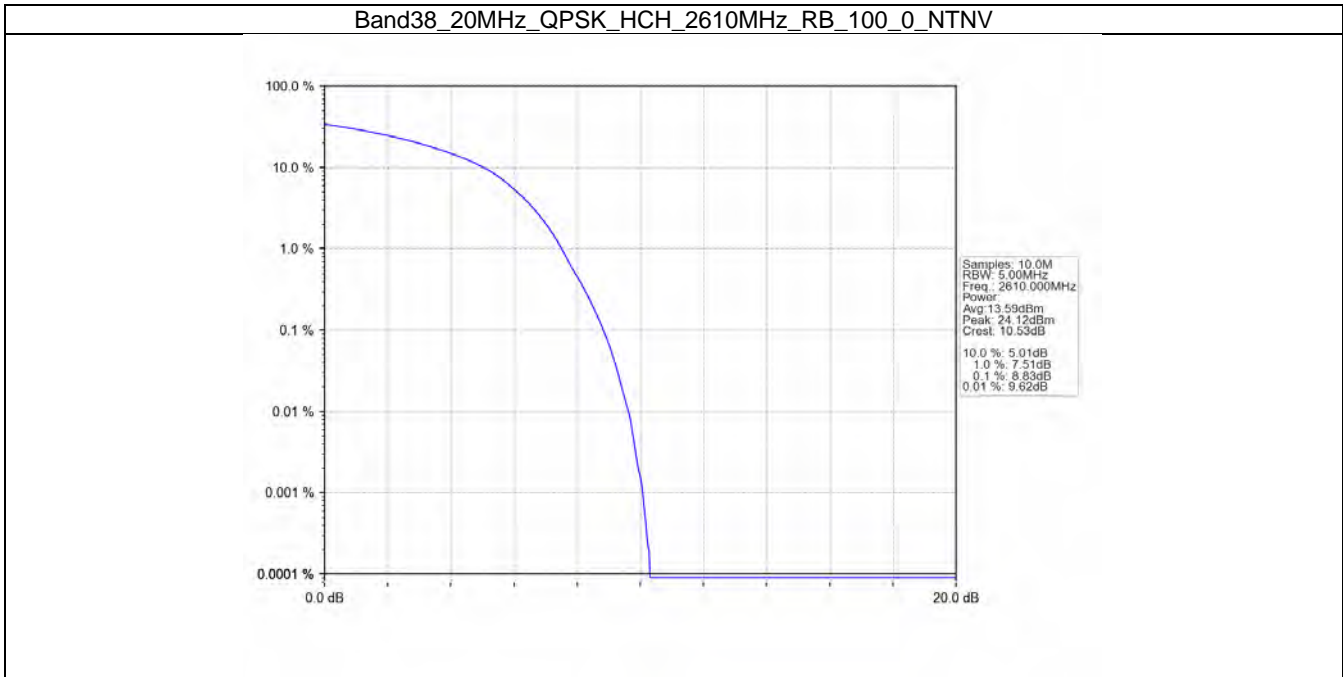
5.4.2 Test Graph



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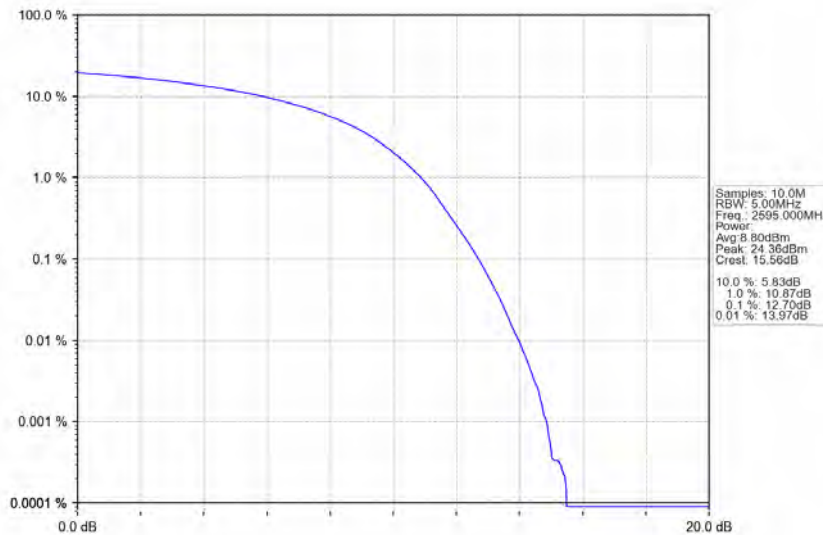
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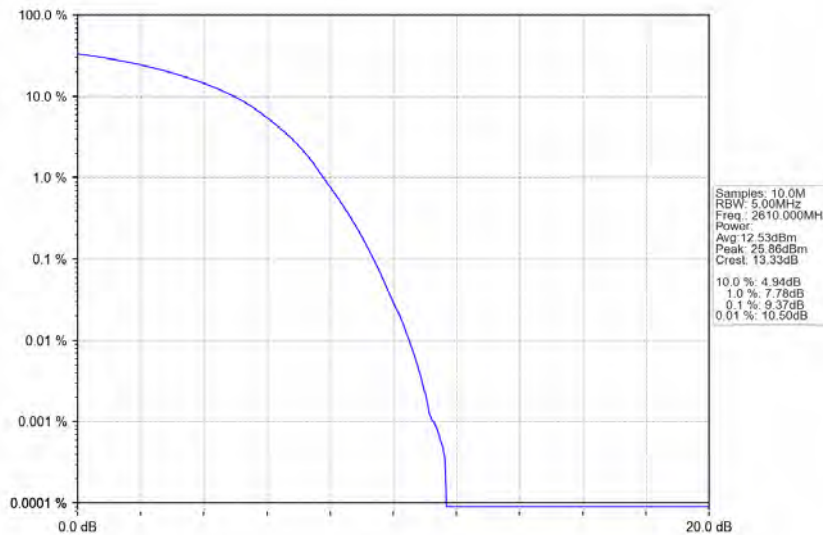
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Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



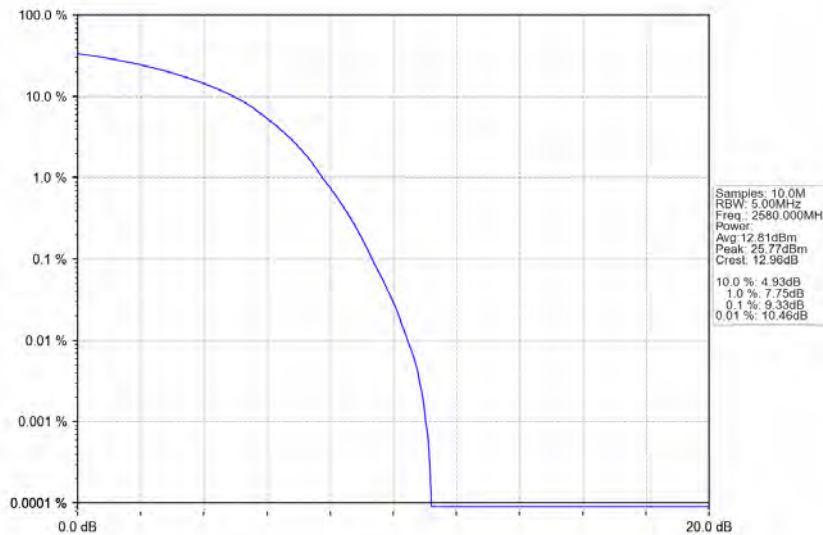
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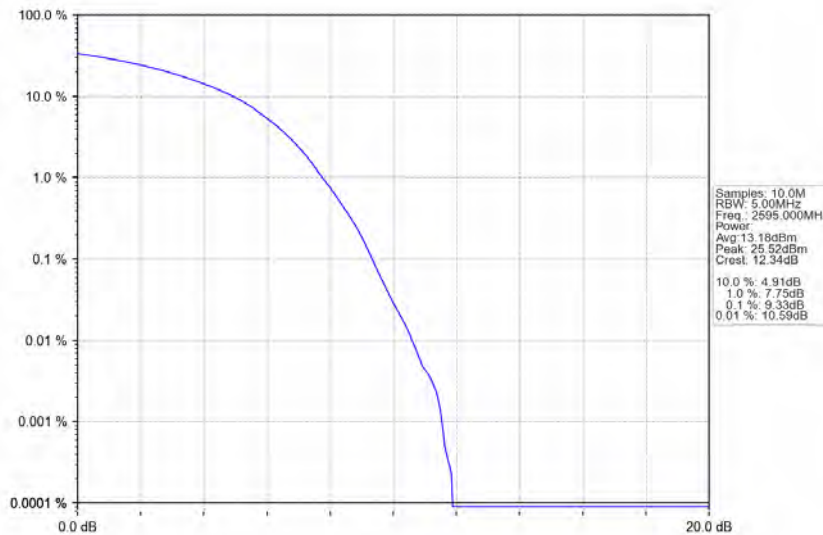
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Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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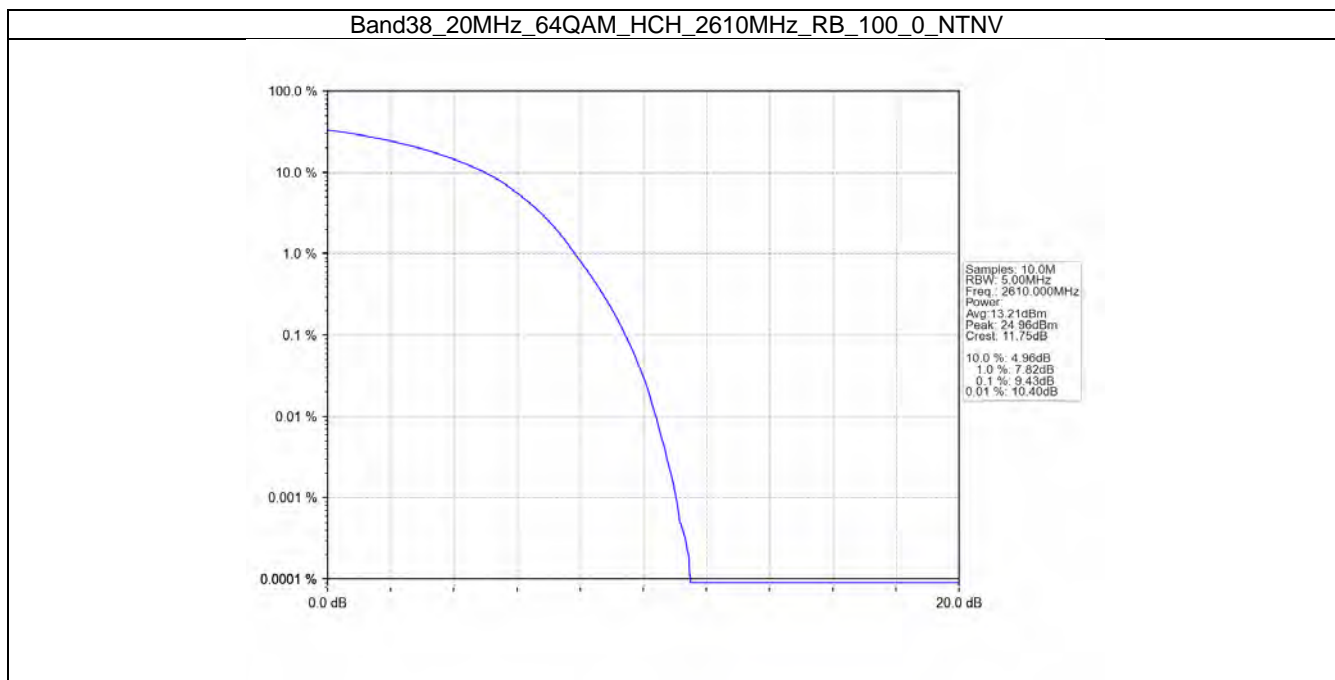
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6. Spurious Emission

6.1 B38_5MHz

6.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
64QAM	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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	



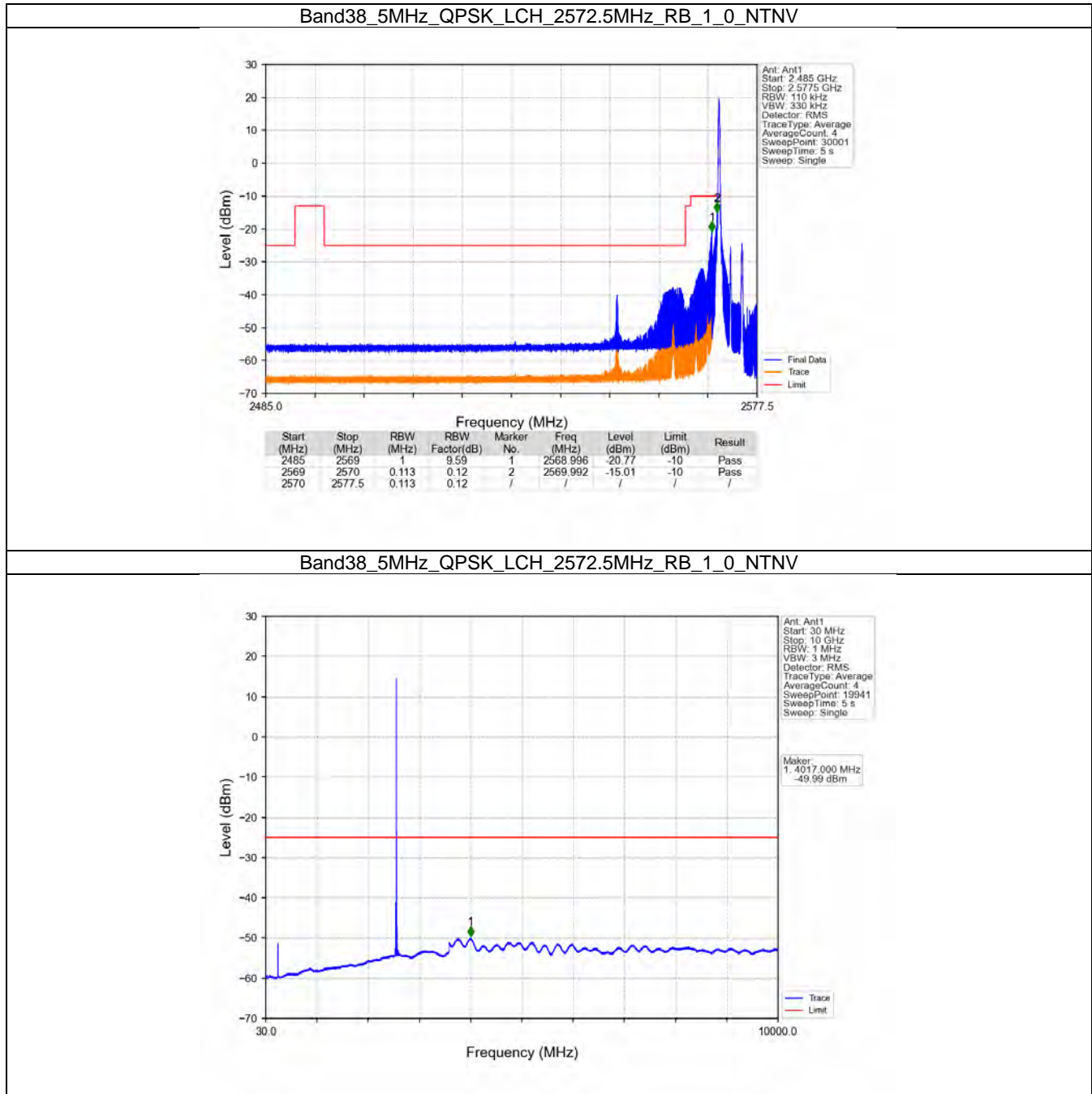
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6.1.2 Test Graph

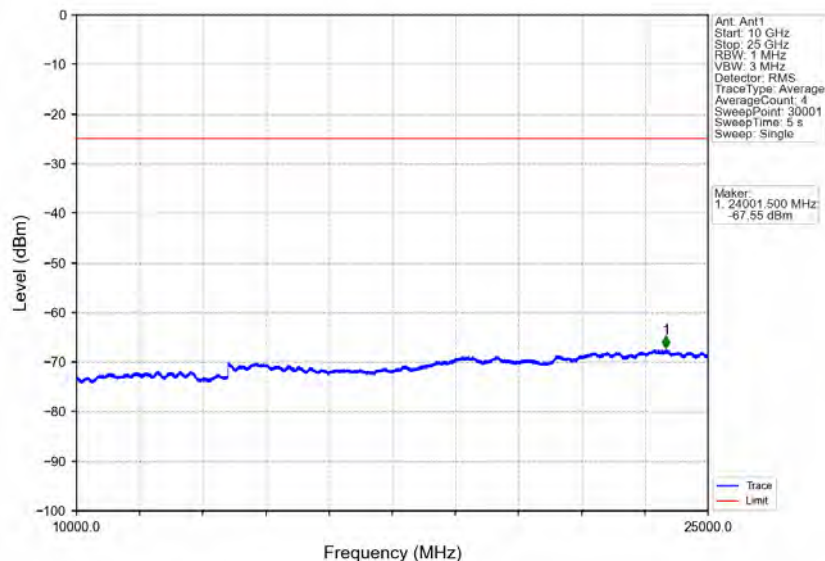


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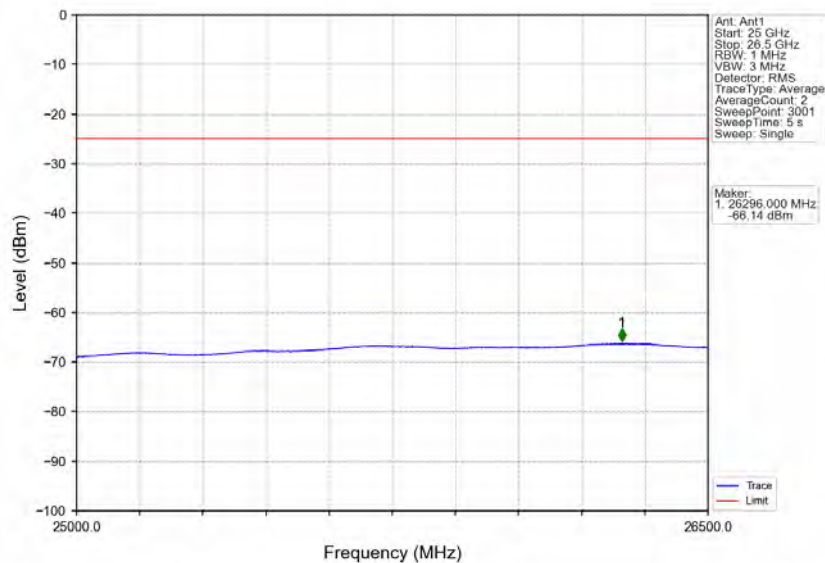
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Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



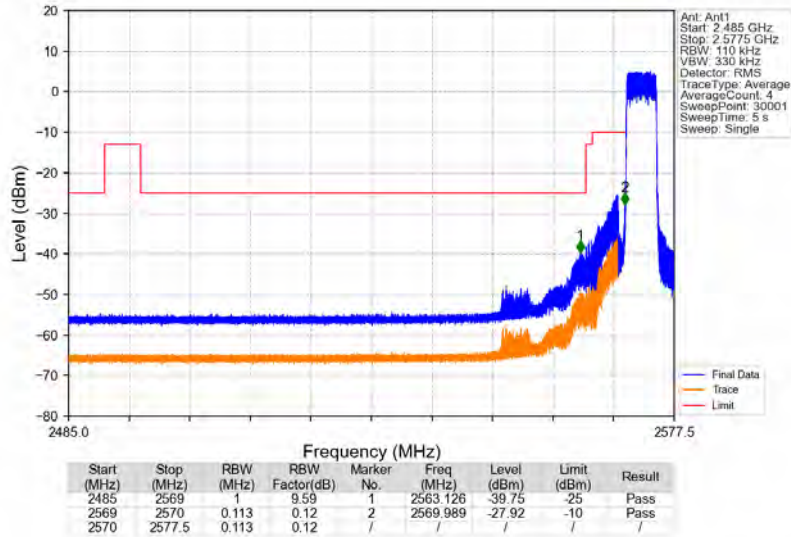
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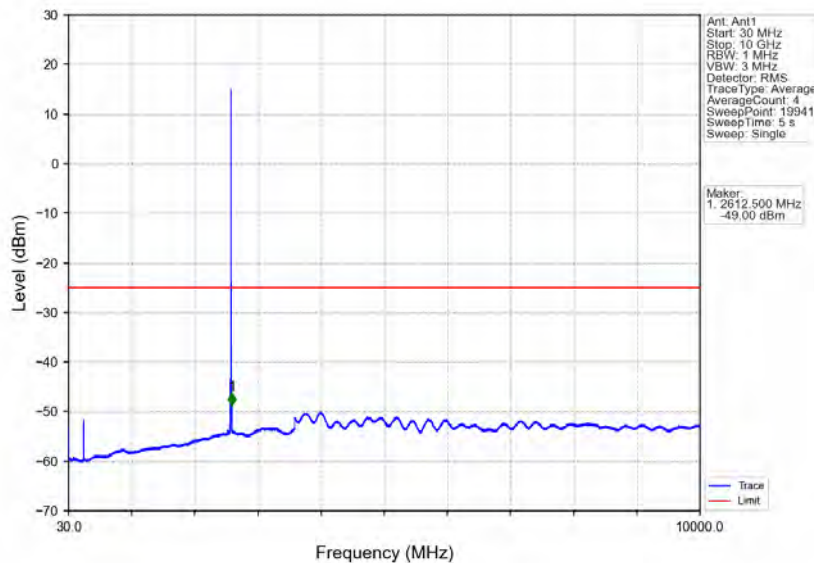
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Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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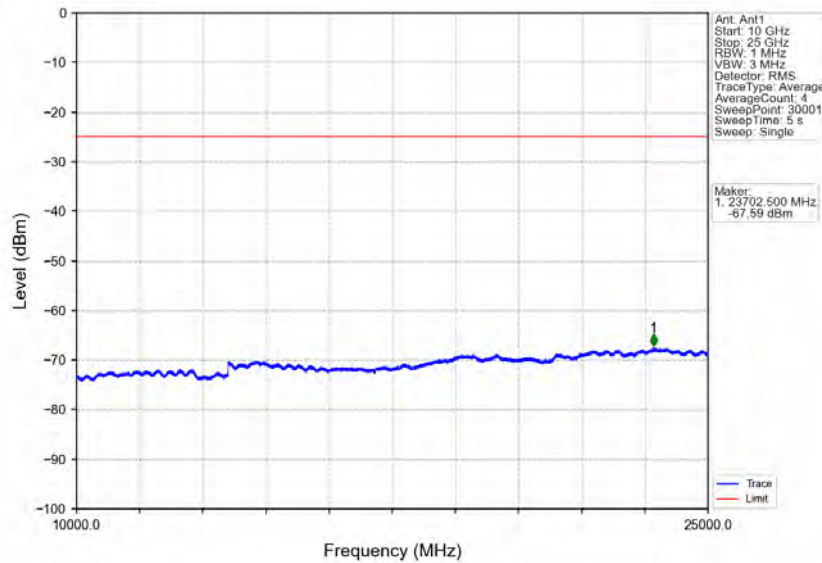
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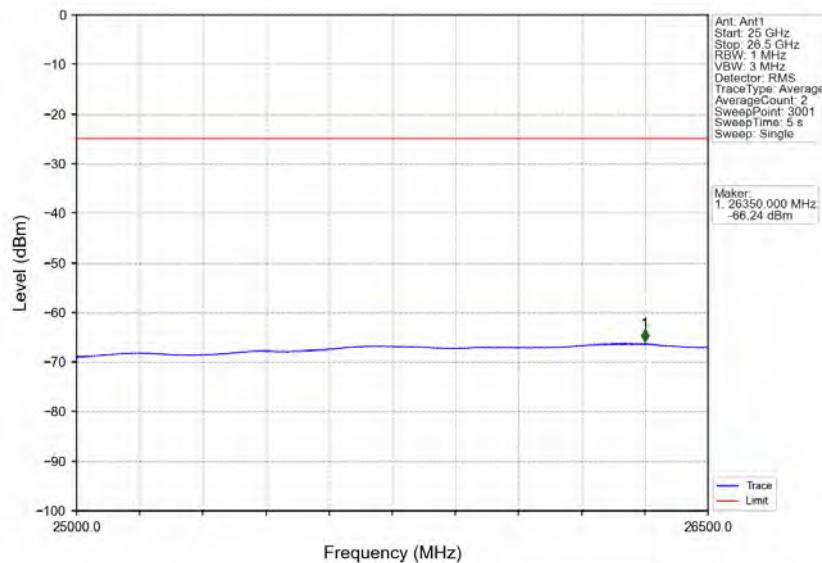
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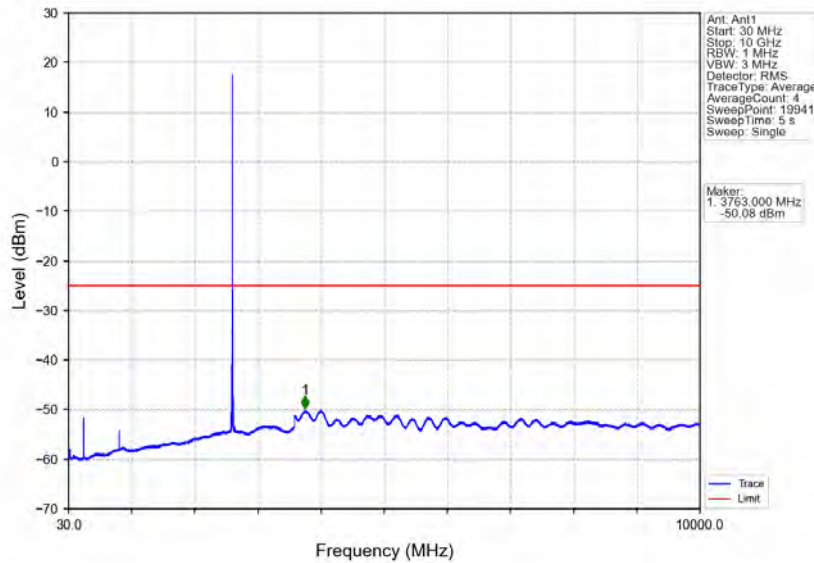
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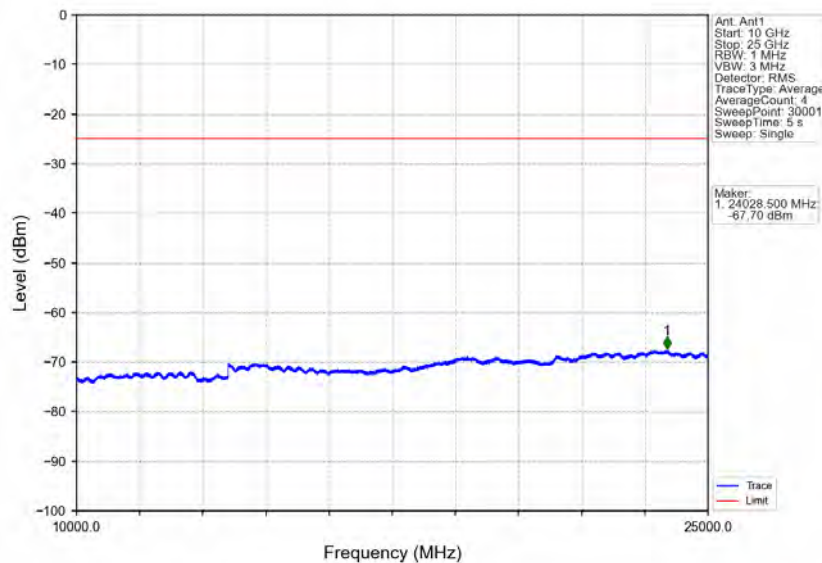
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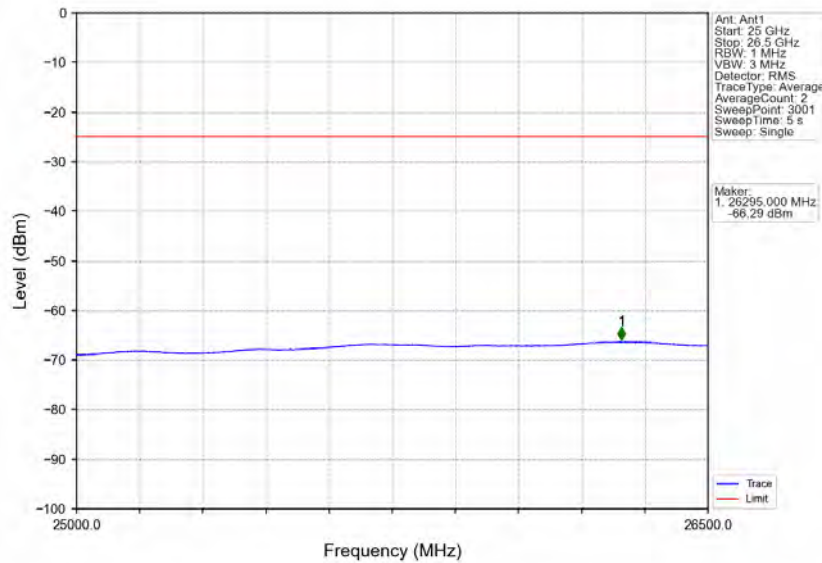
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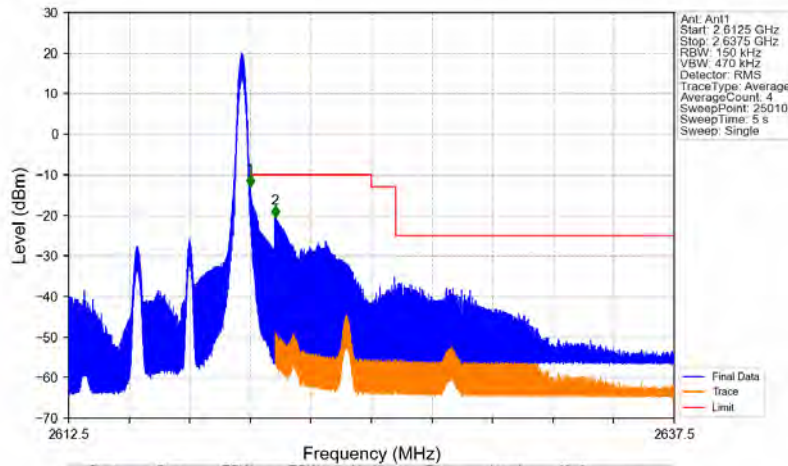
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.15	0	/	/	/	/	/
2620	2621	0.15	0	1	2620.004	-13.04	-10	Pass
2621	2637.5	1	8.24	2	2621.027	-20.61	-10	Pass



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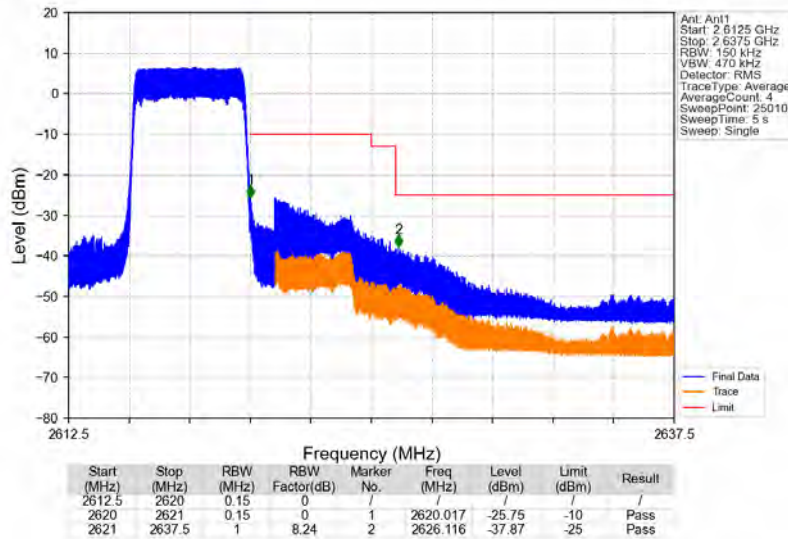
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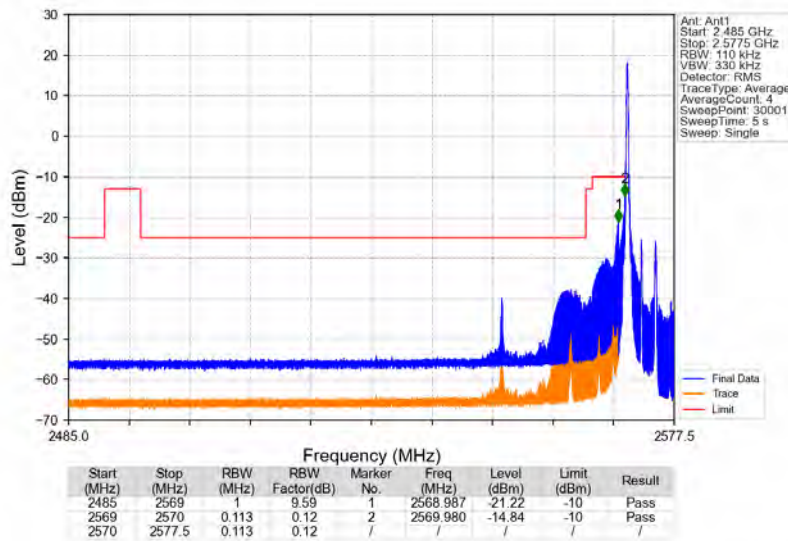
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



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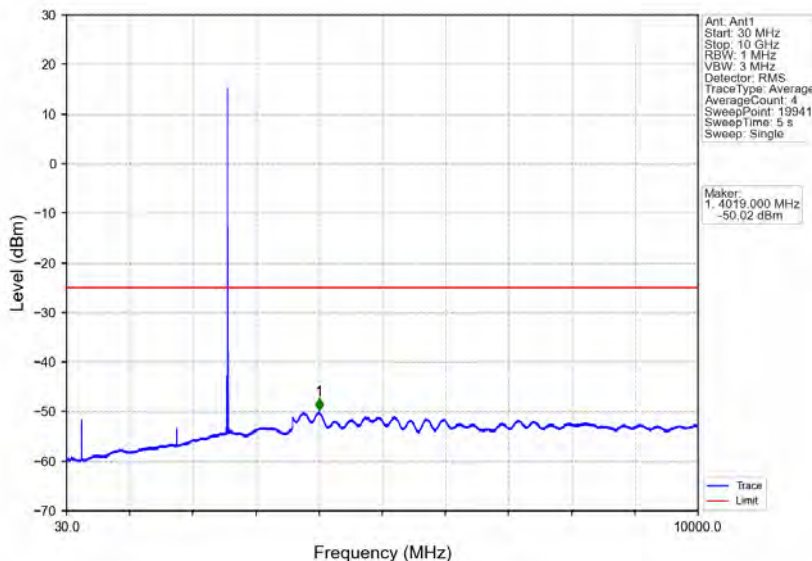
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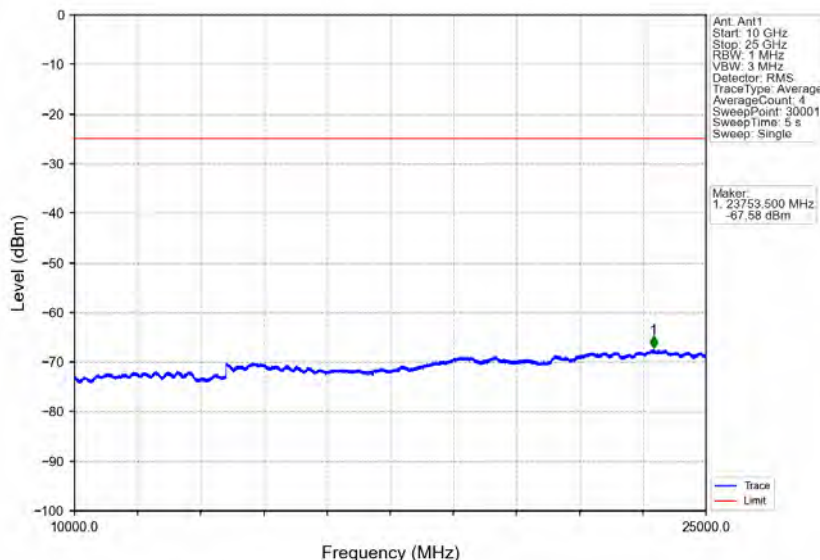
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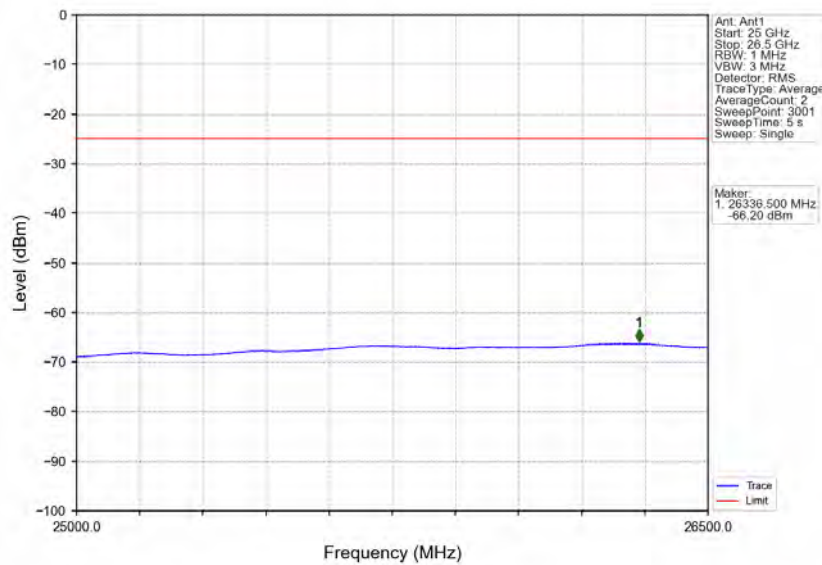


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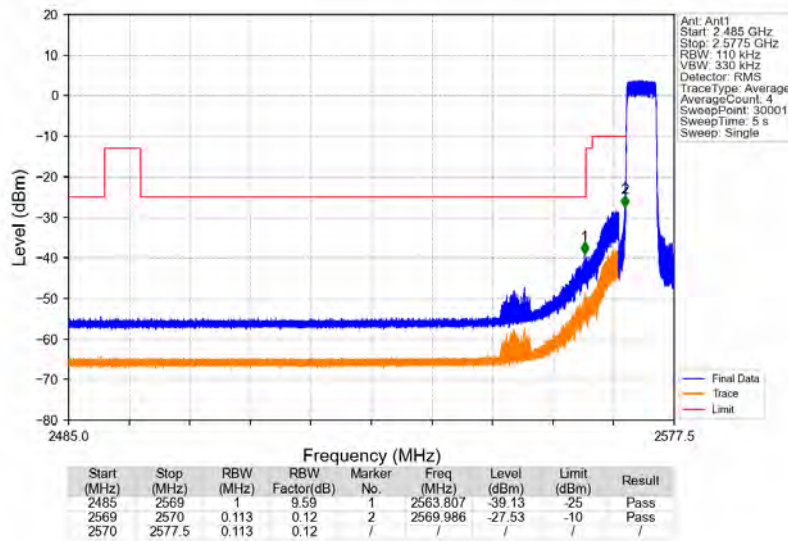
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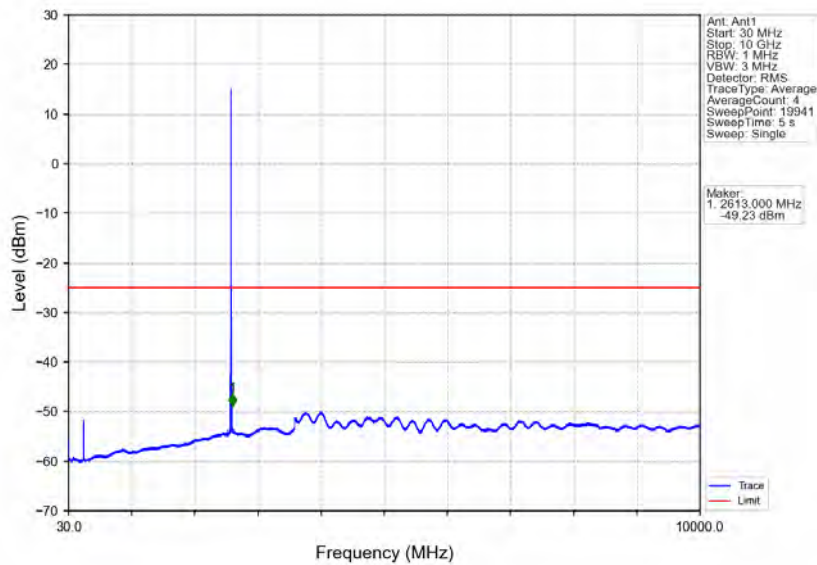
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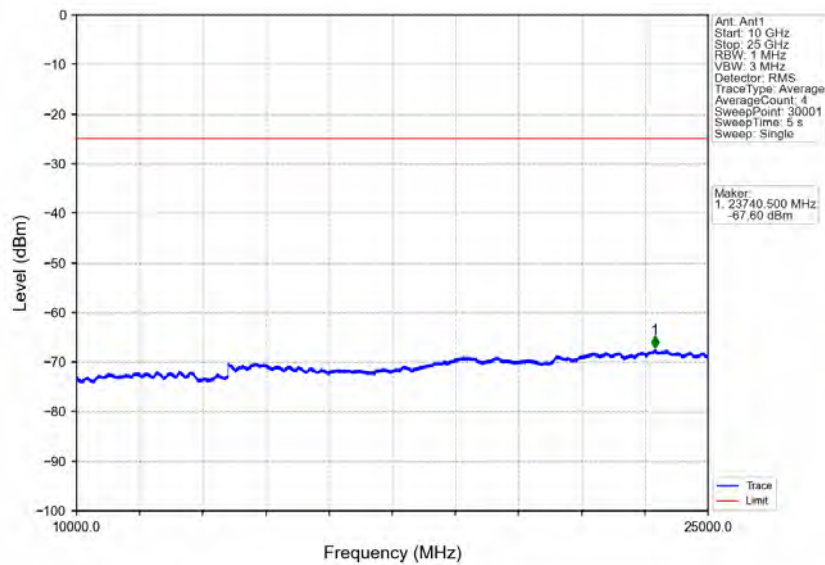
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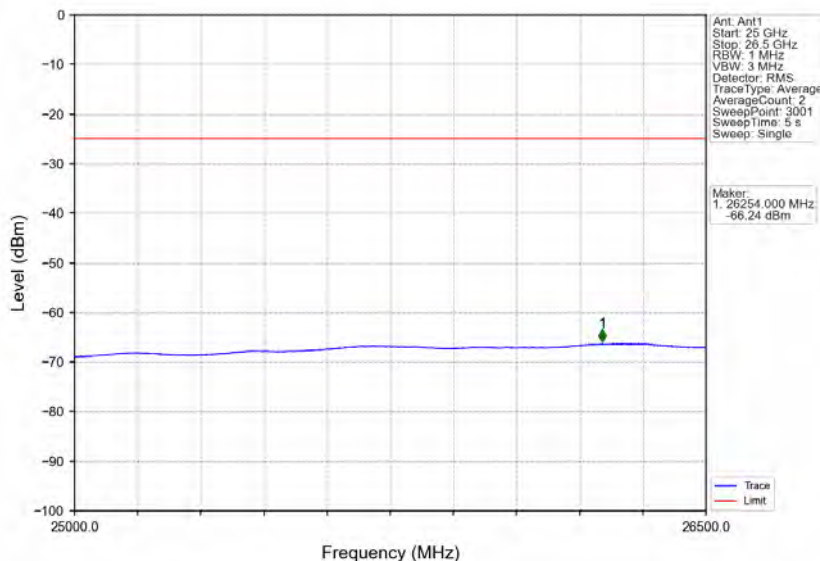
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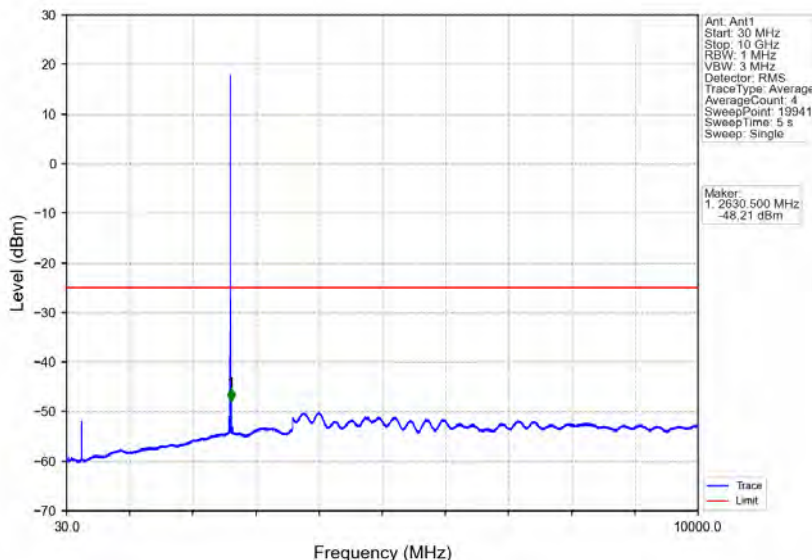
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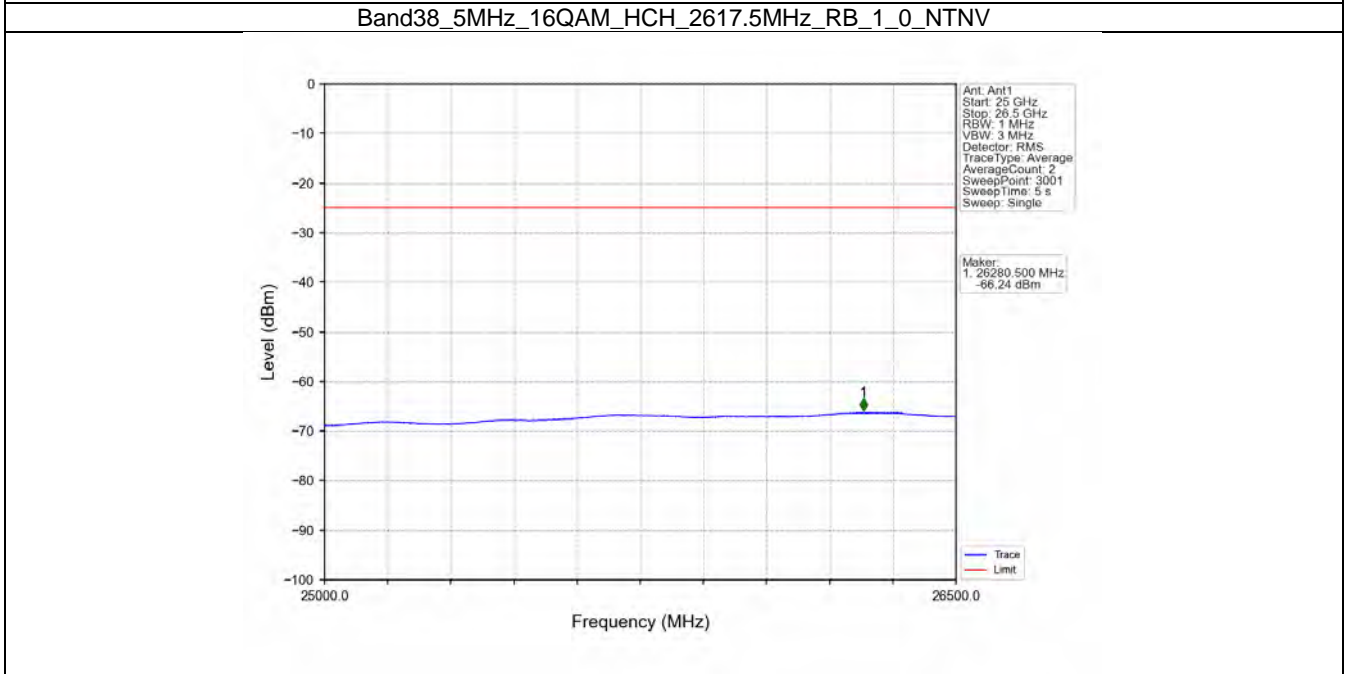
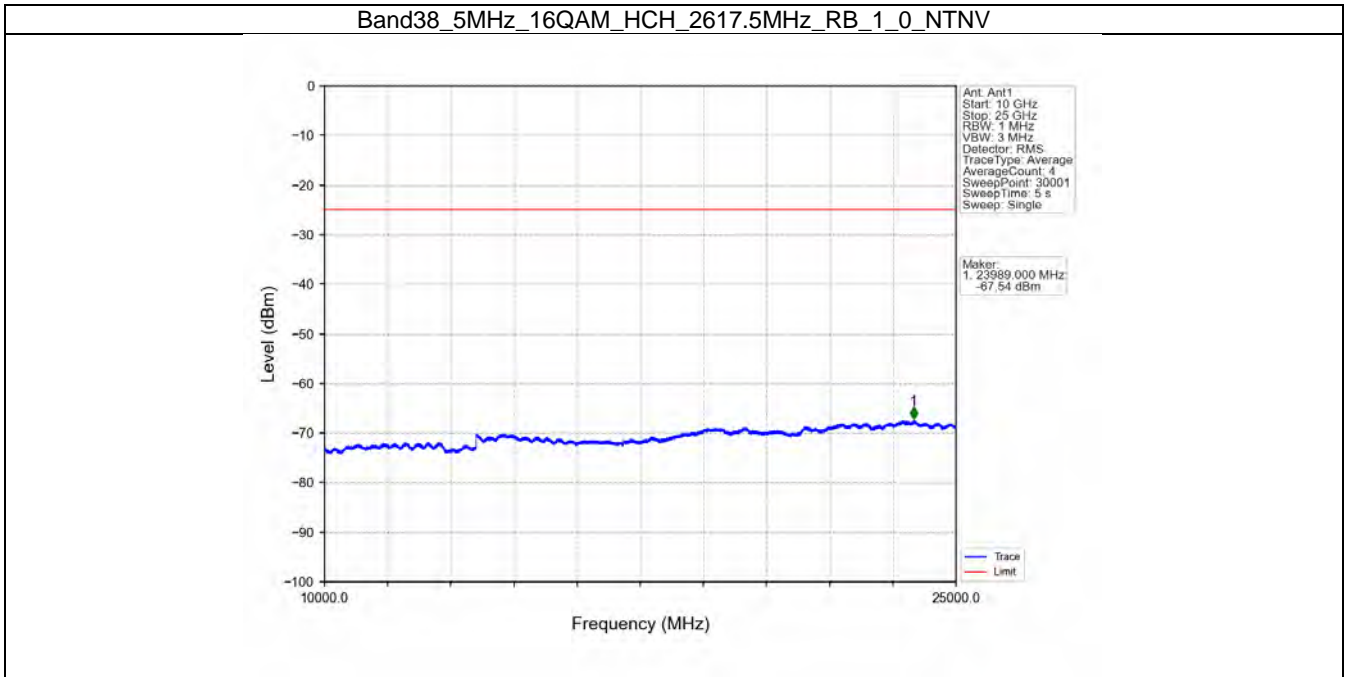
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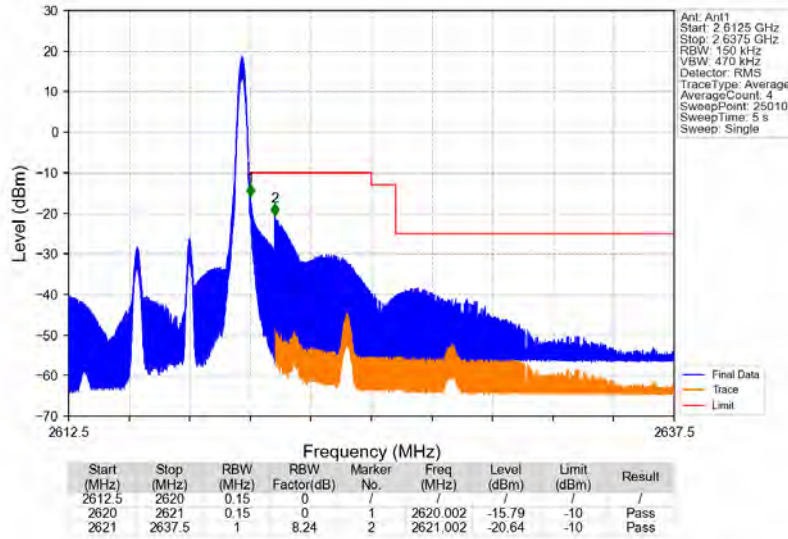
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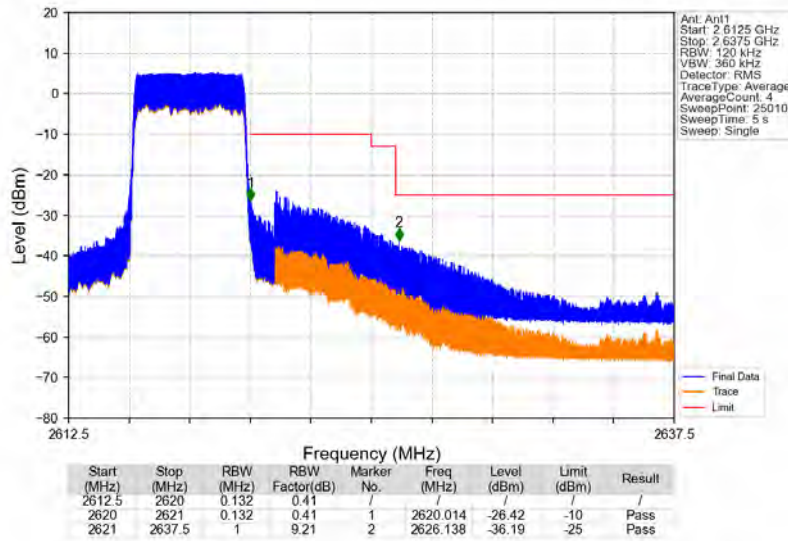
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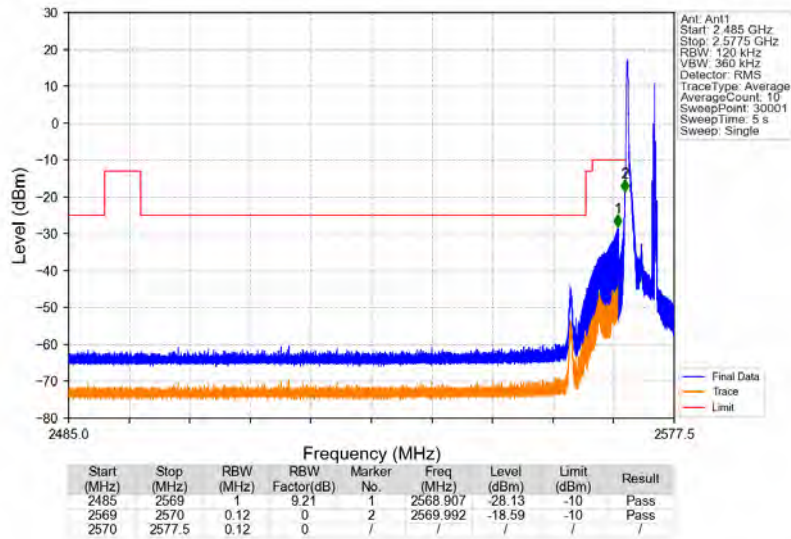
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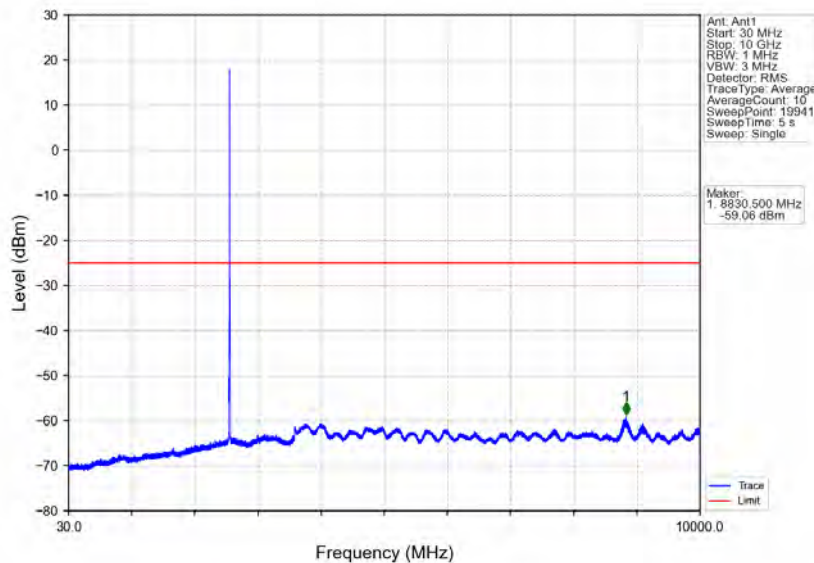
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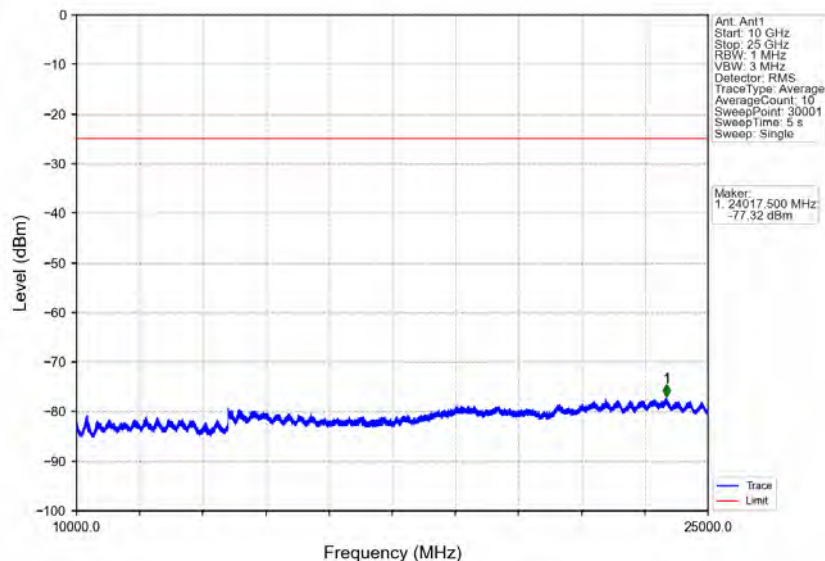
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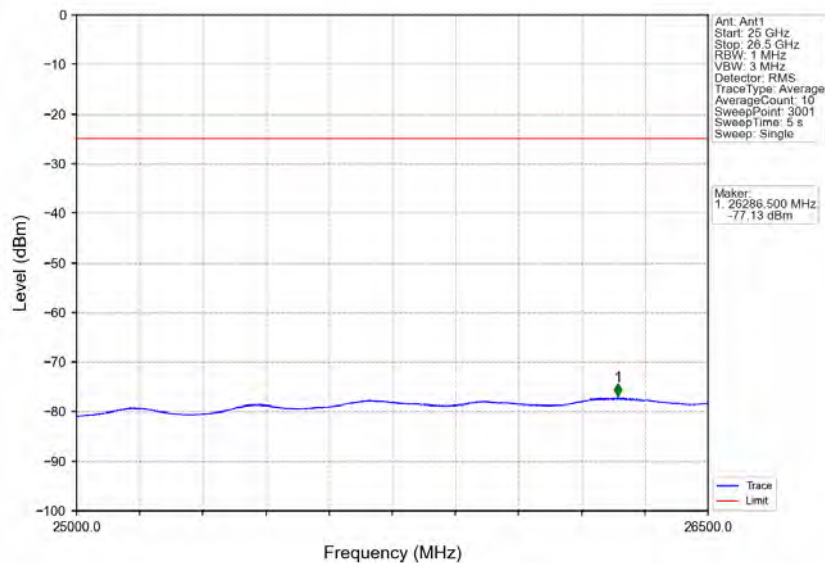


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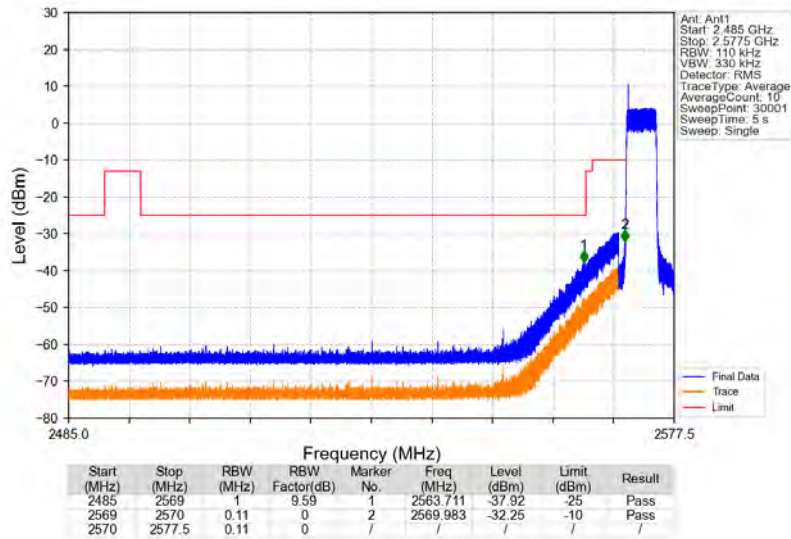


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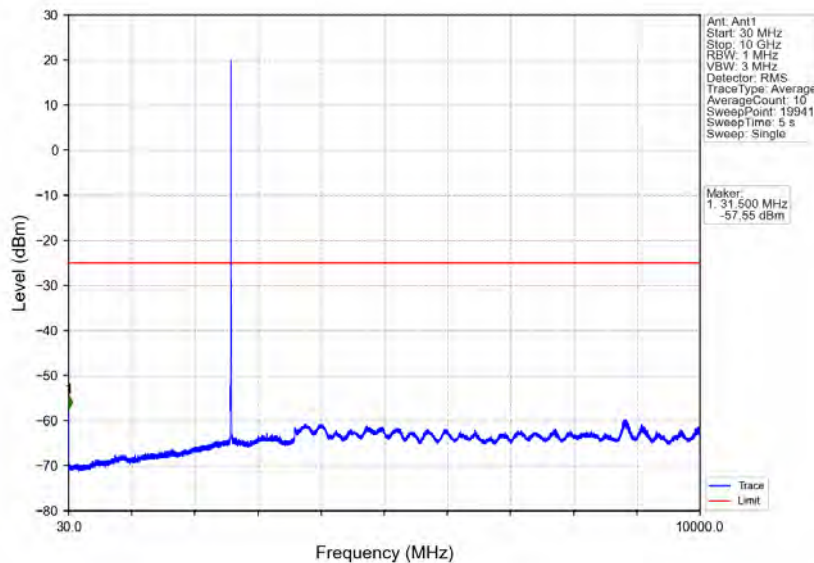
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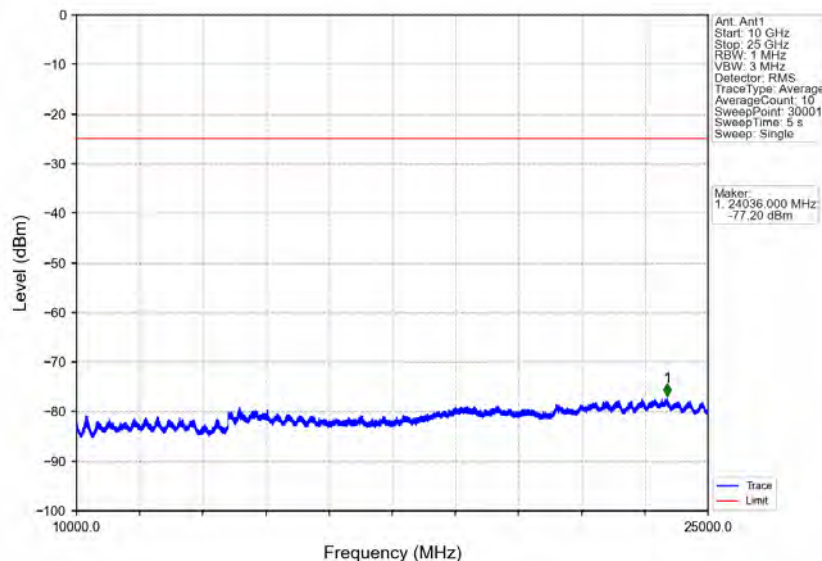
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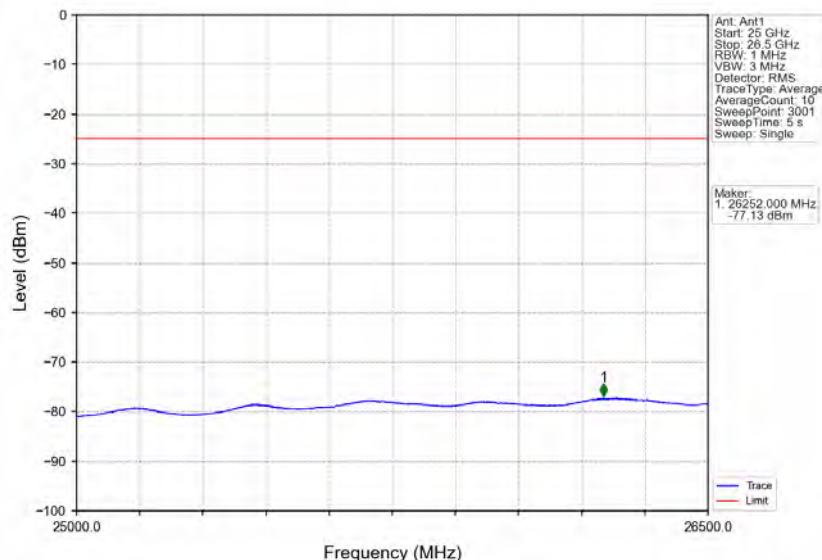
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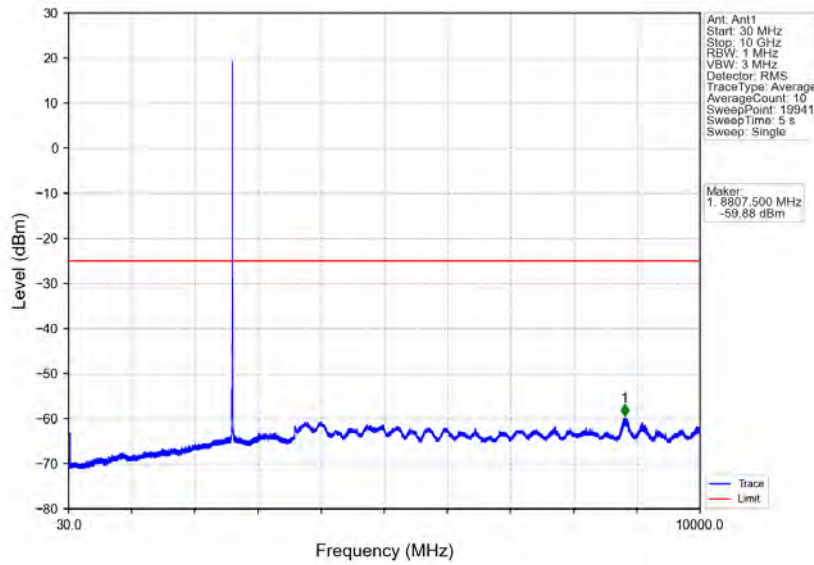


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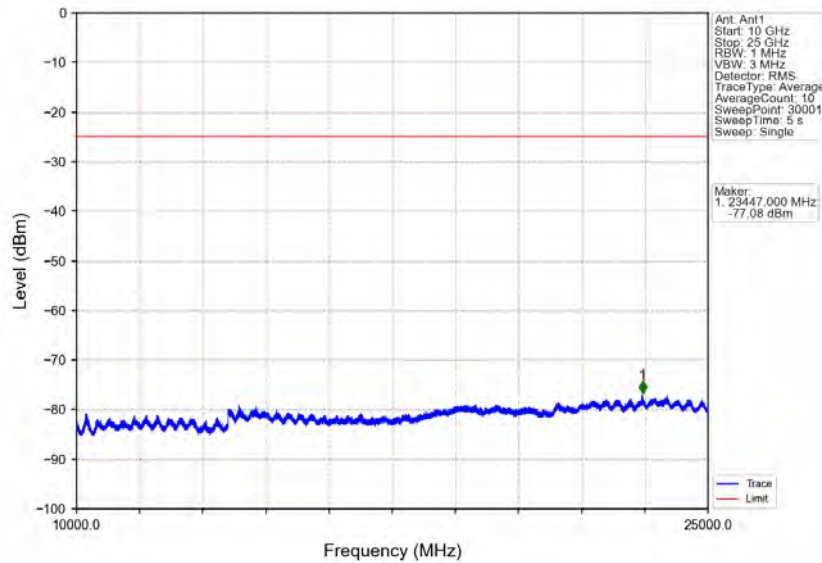
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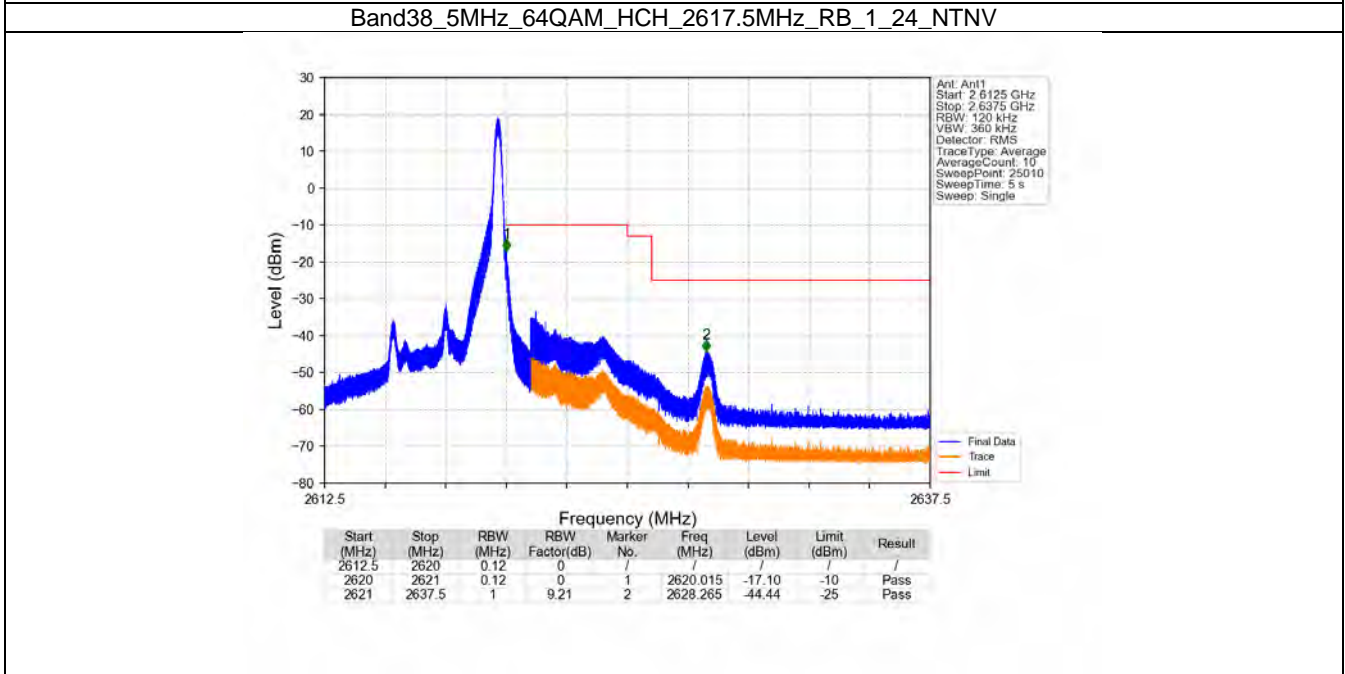
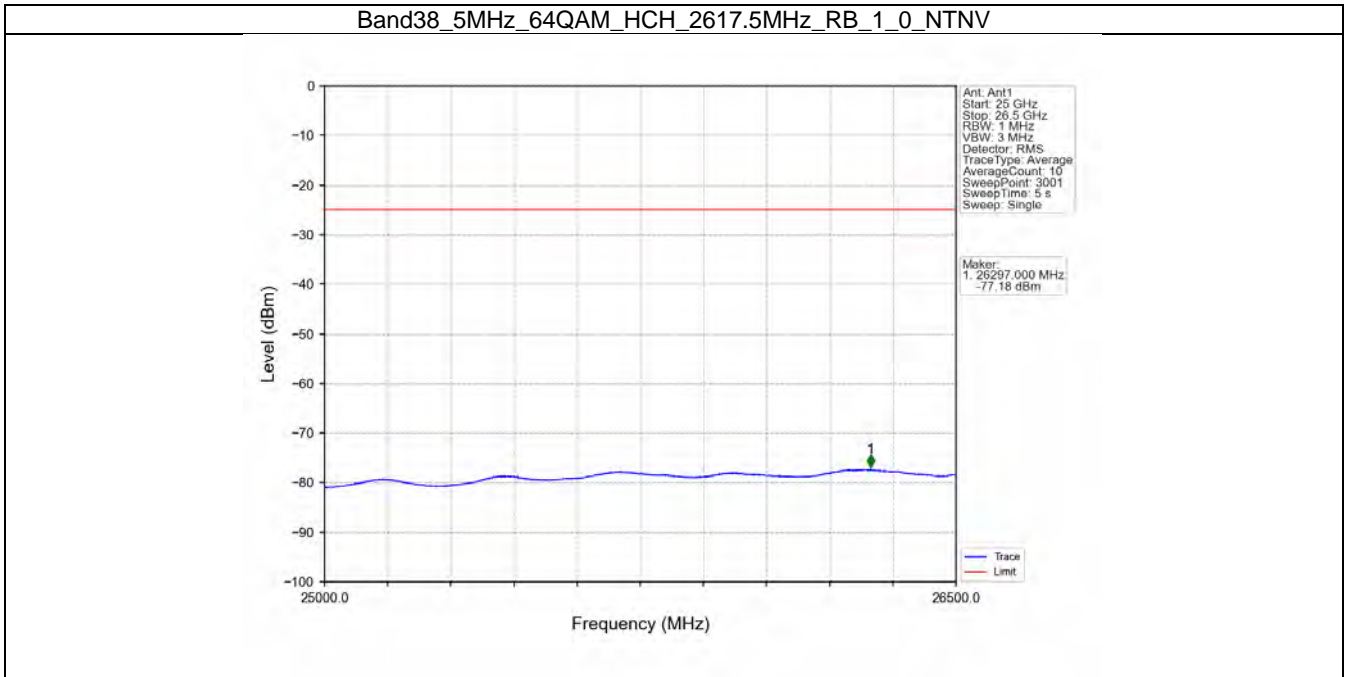
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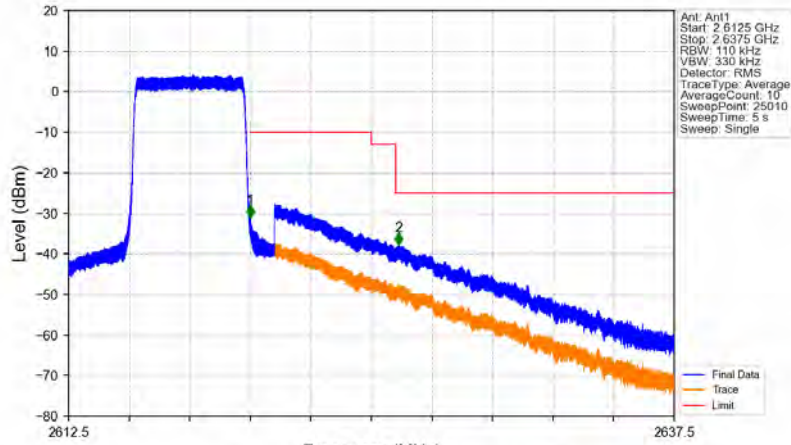
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.007	-31.21	-10	Pass
2621	2637.5	1	9.59	2	2626.117	-37.89	-25	Pass



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6.2 B38_10MHz

6.2.1 Test Result

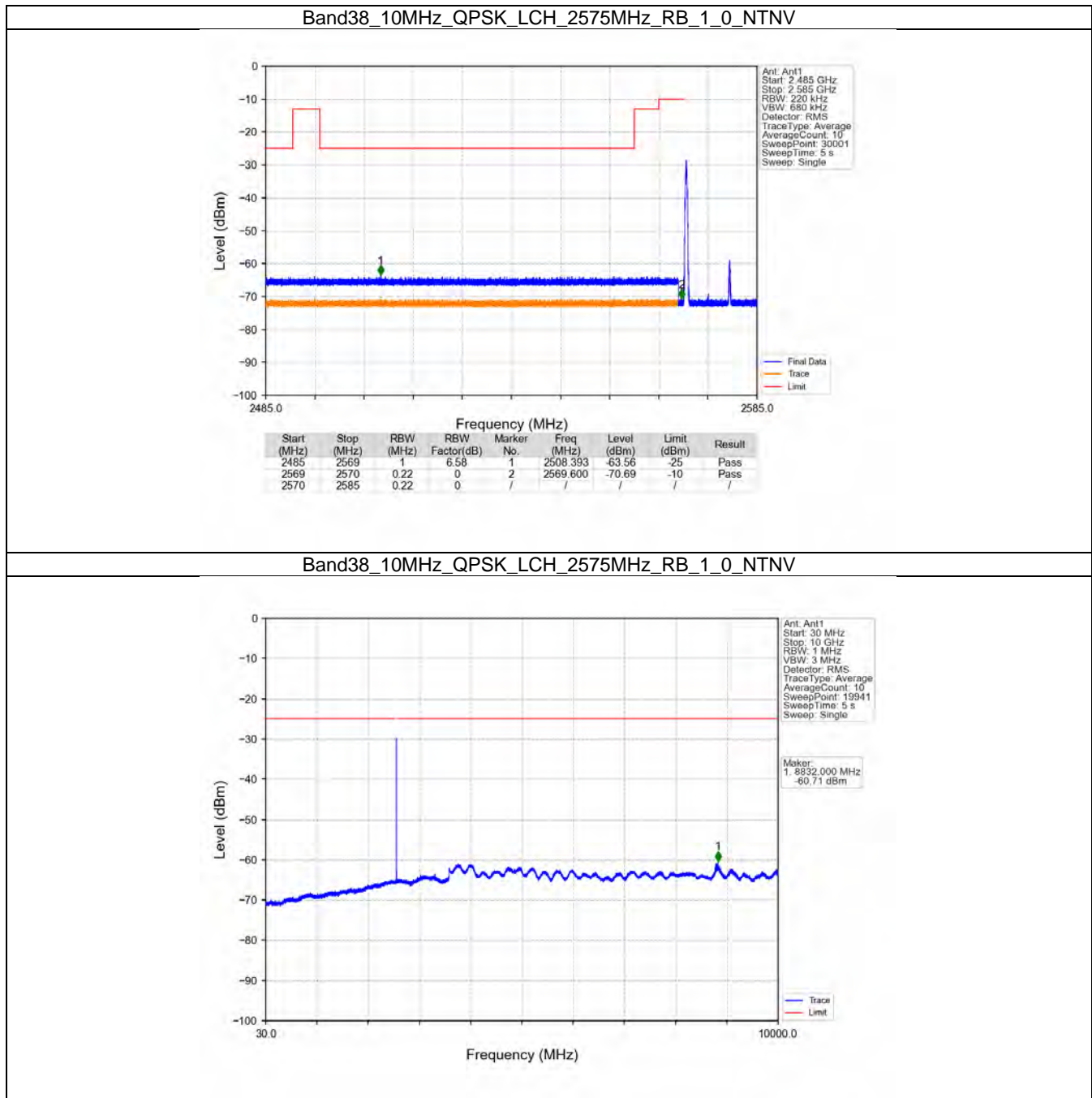
Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2615	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
64QAM	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2615	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



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6.2.2 Test Graph



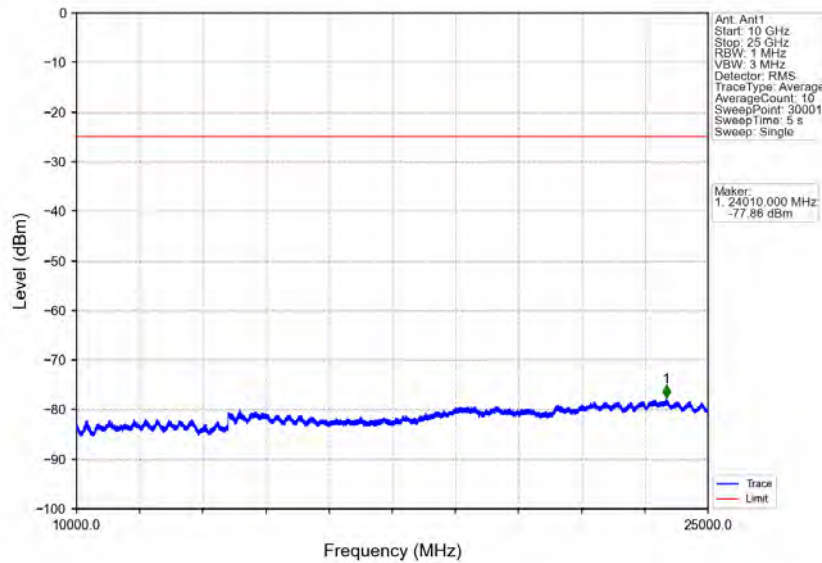
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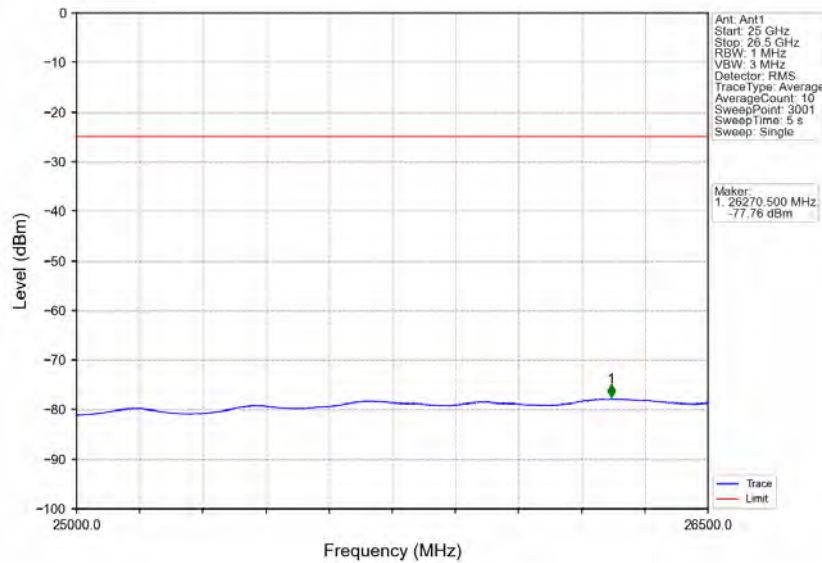
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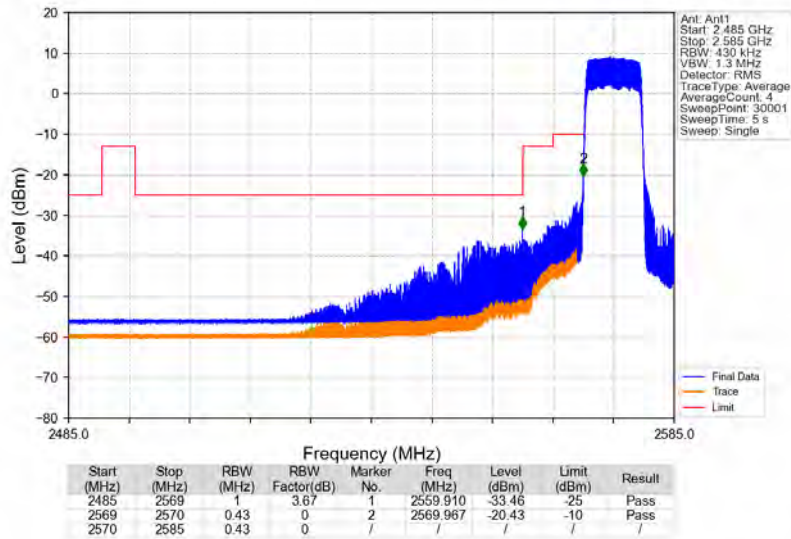
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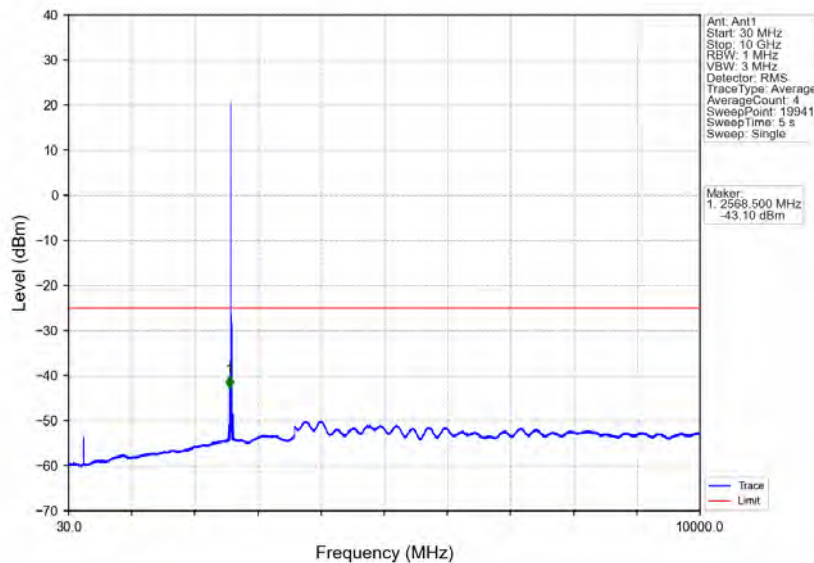
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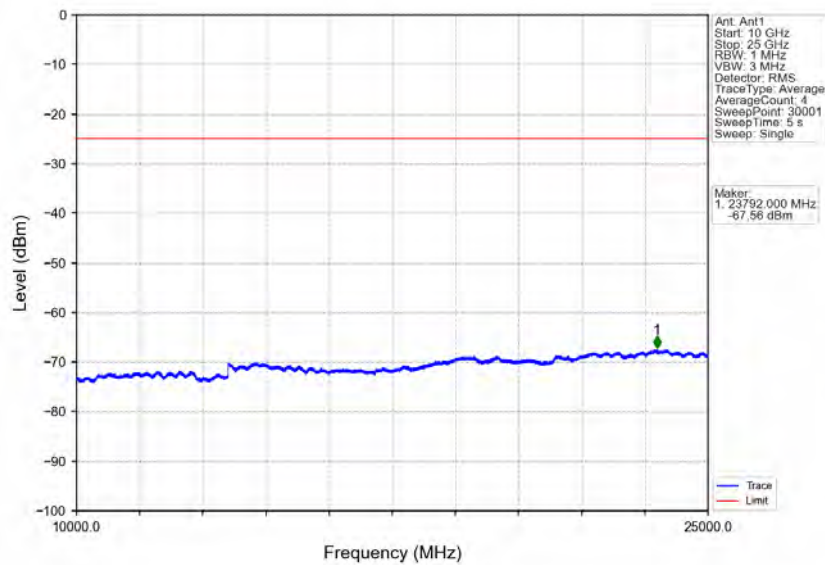
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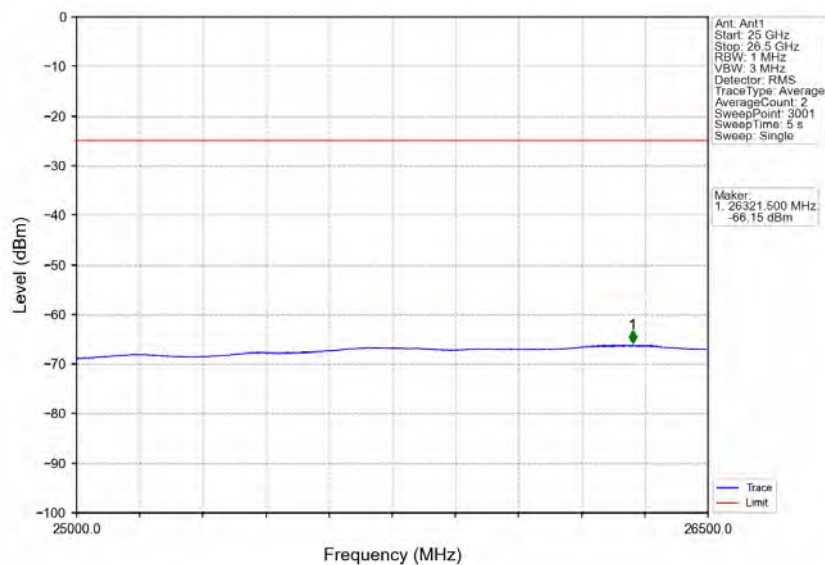
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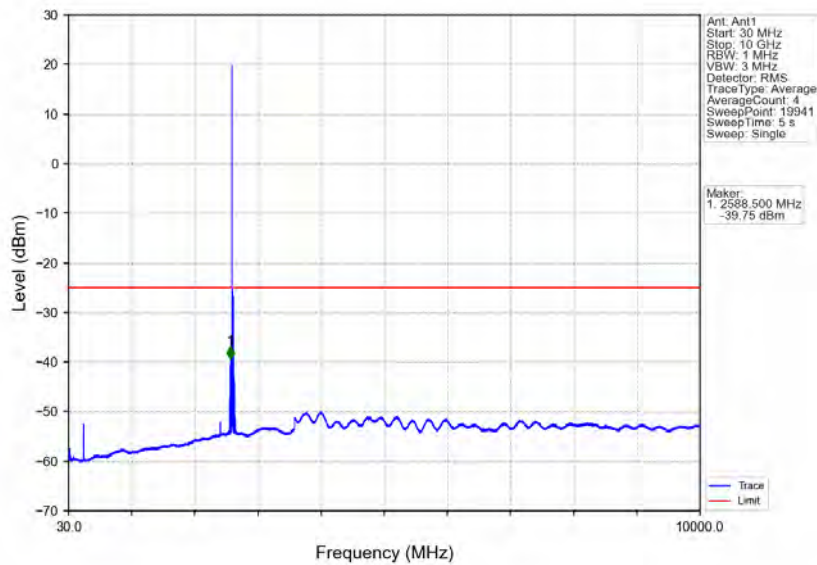
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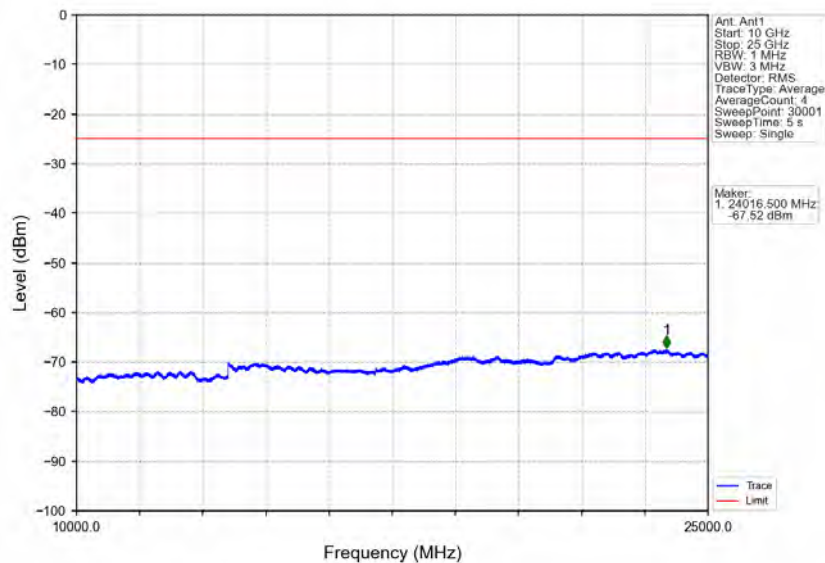
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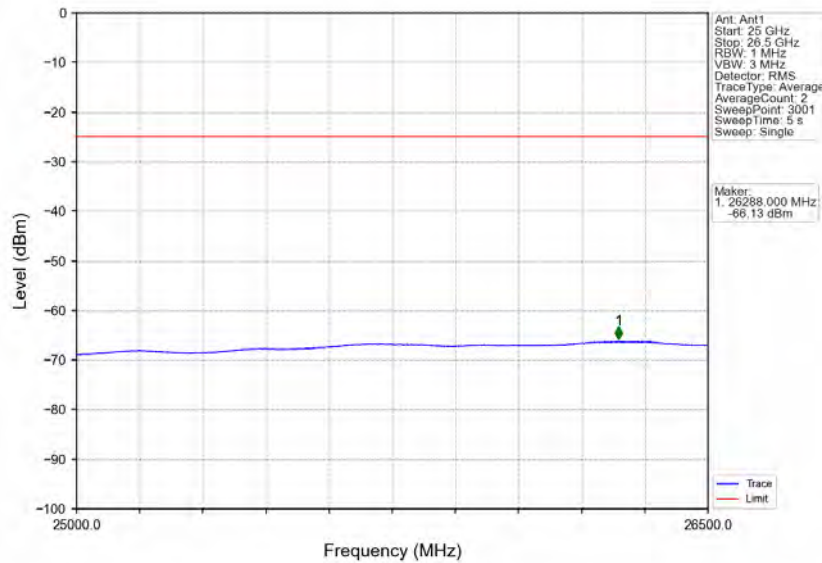
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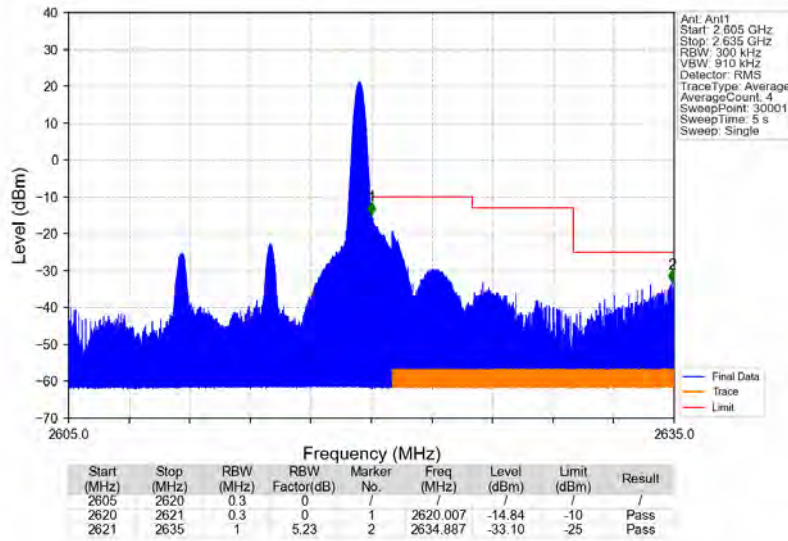
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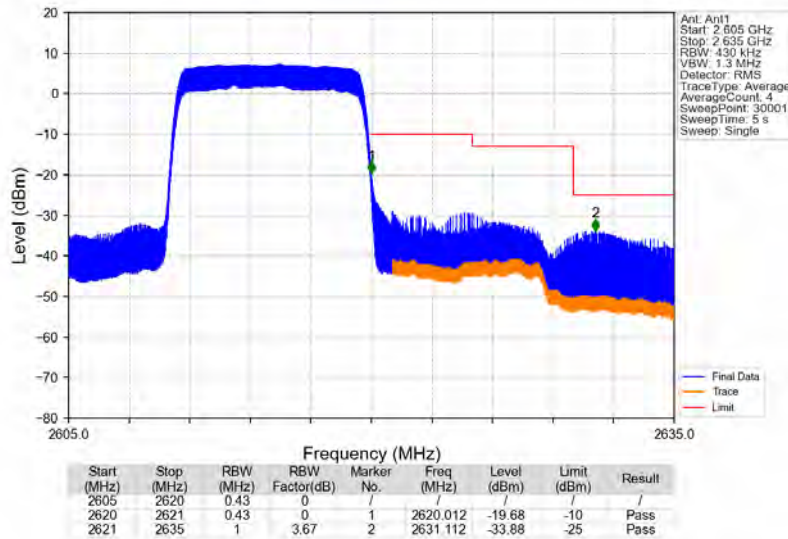
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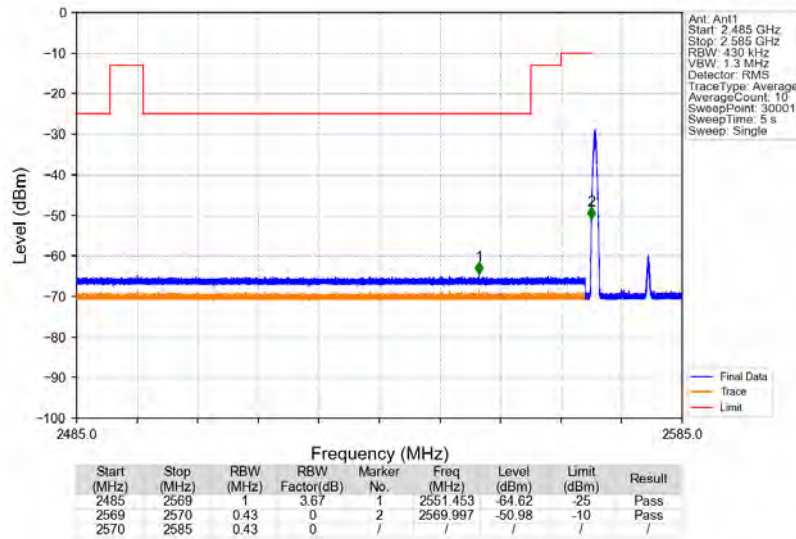
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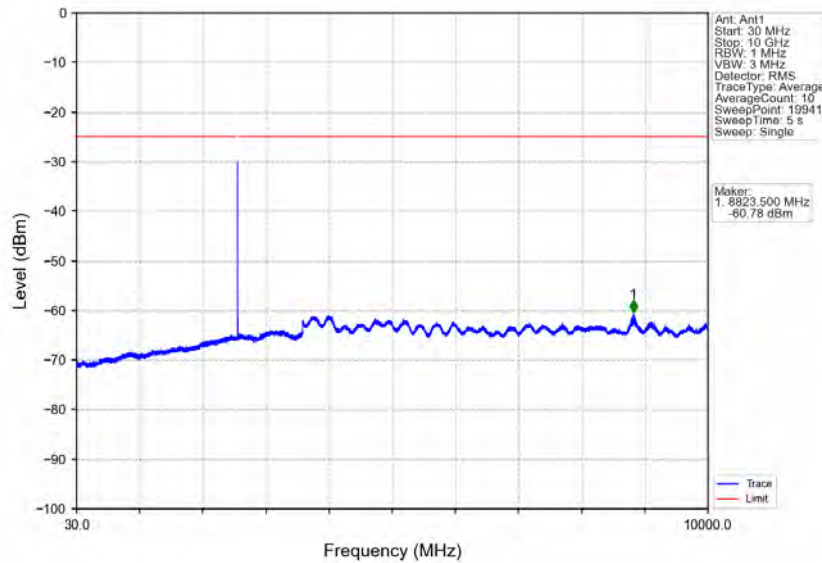
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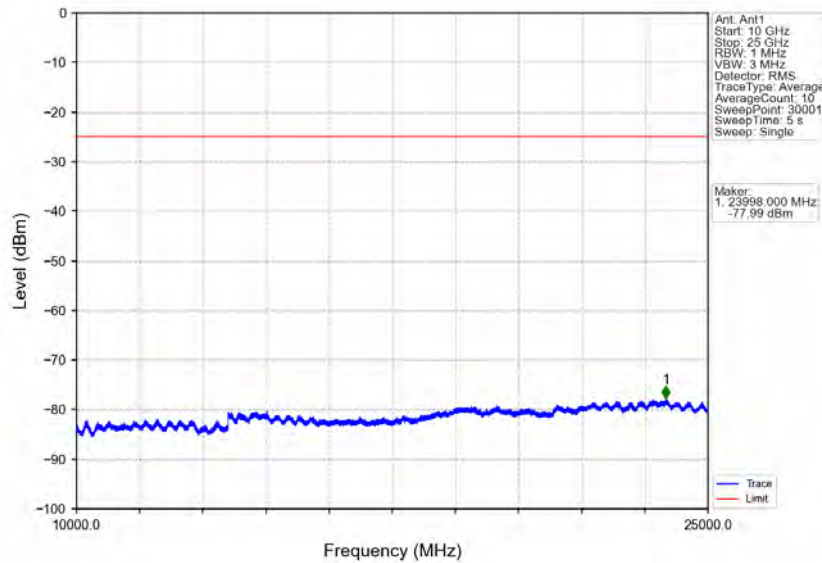
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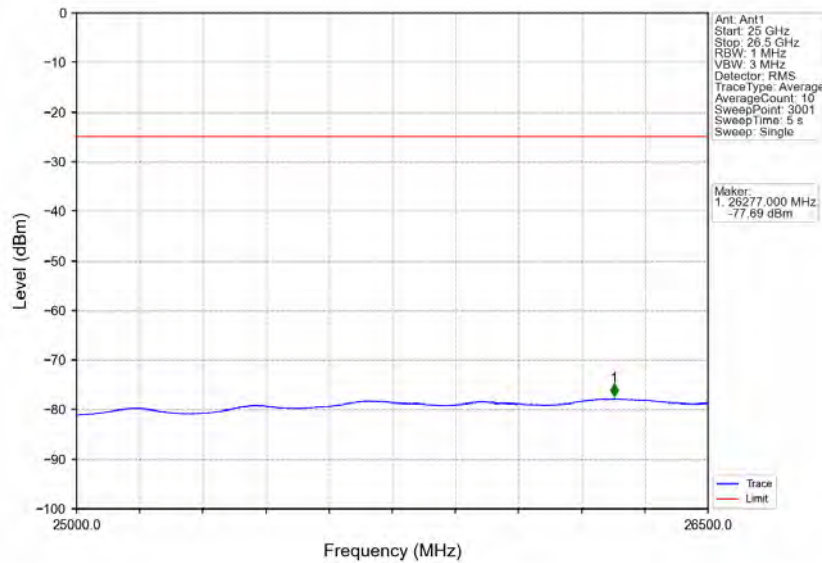
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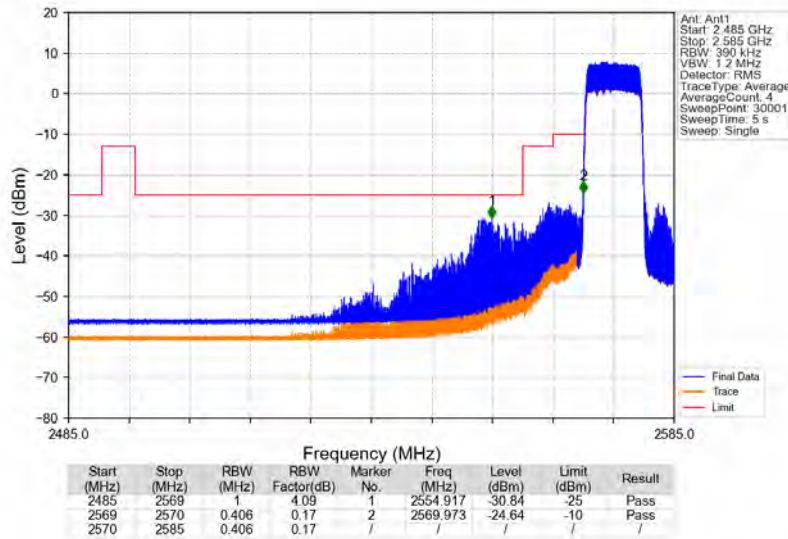
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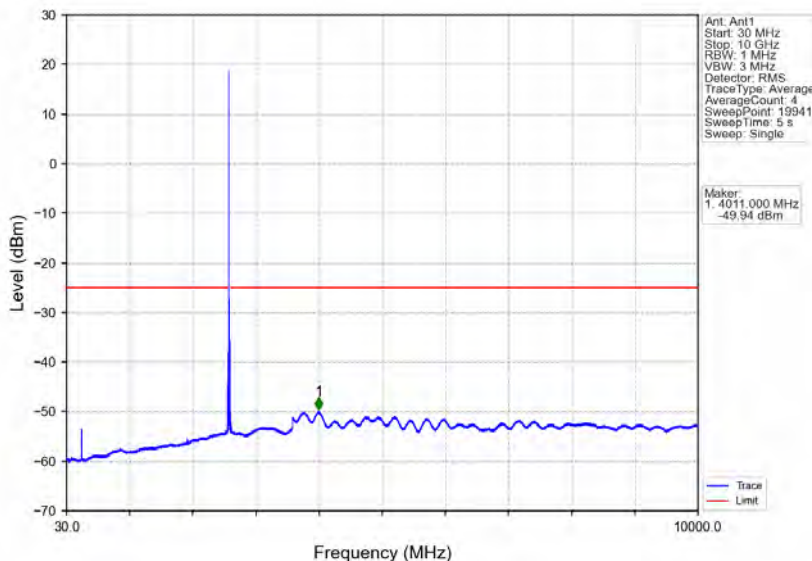
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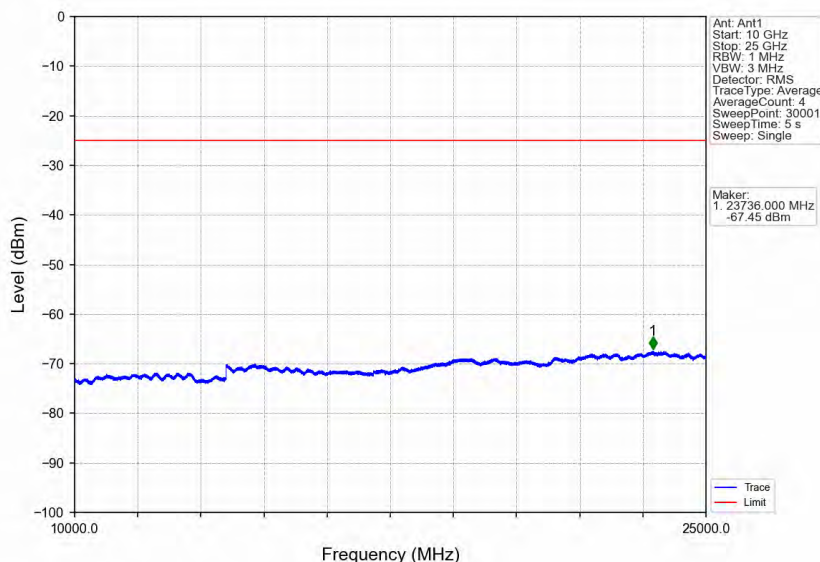
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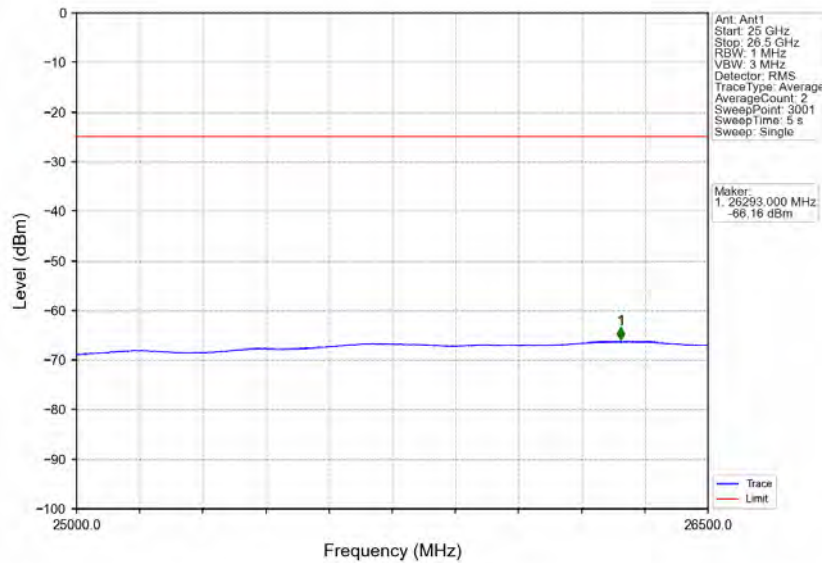
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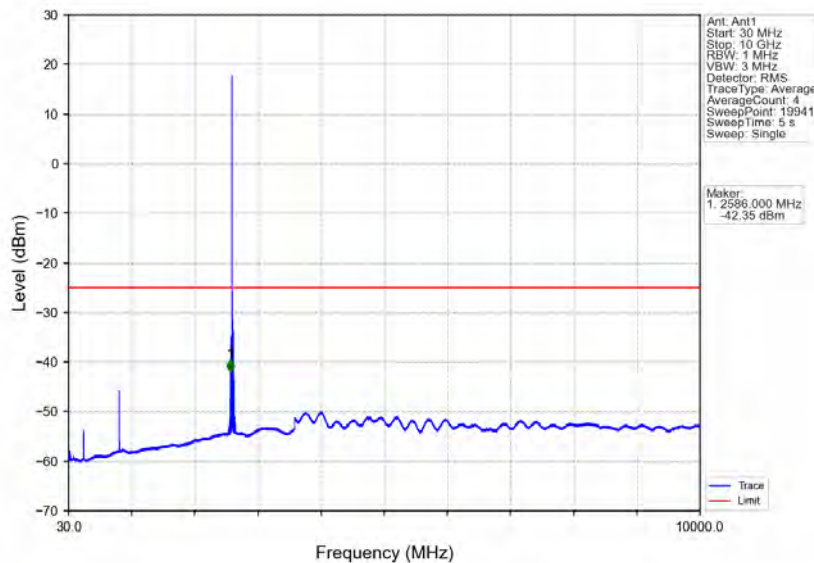
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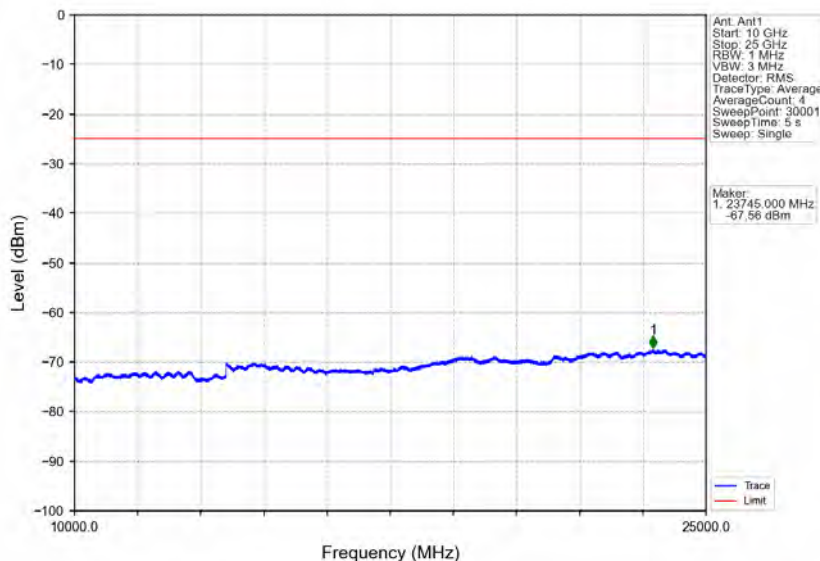
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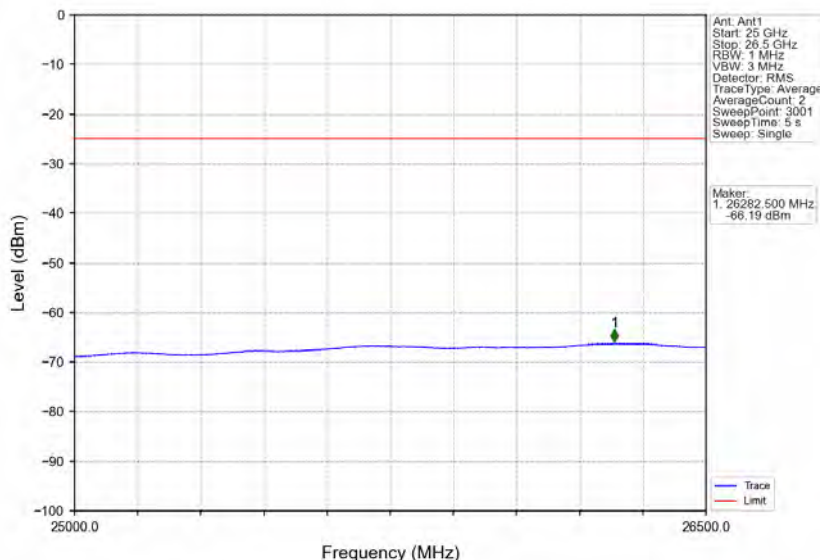
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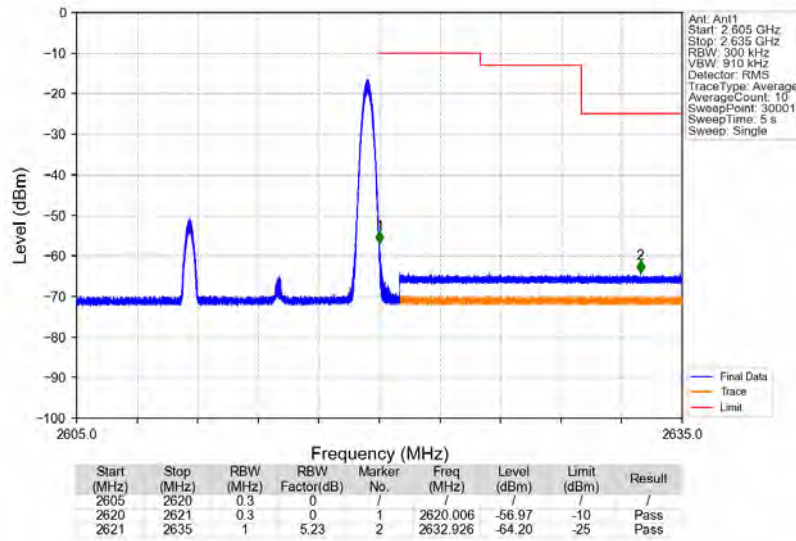


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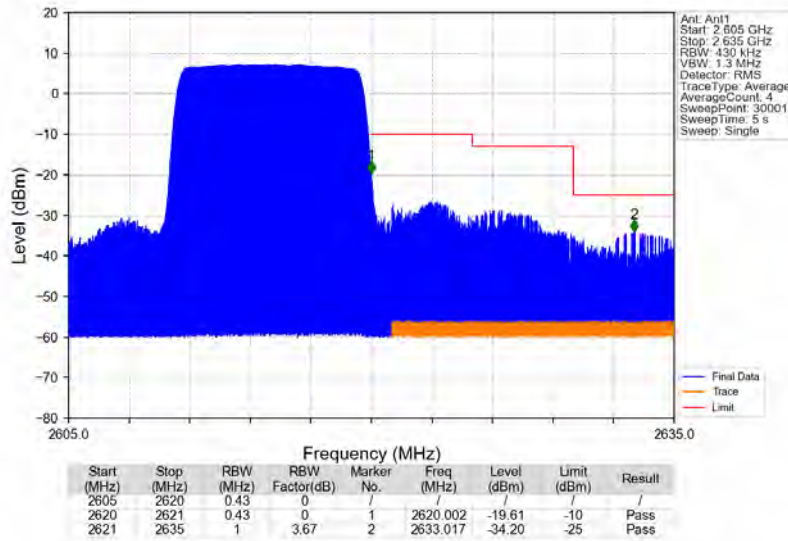
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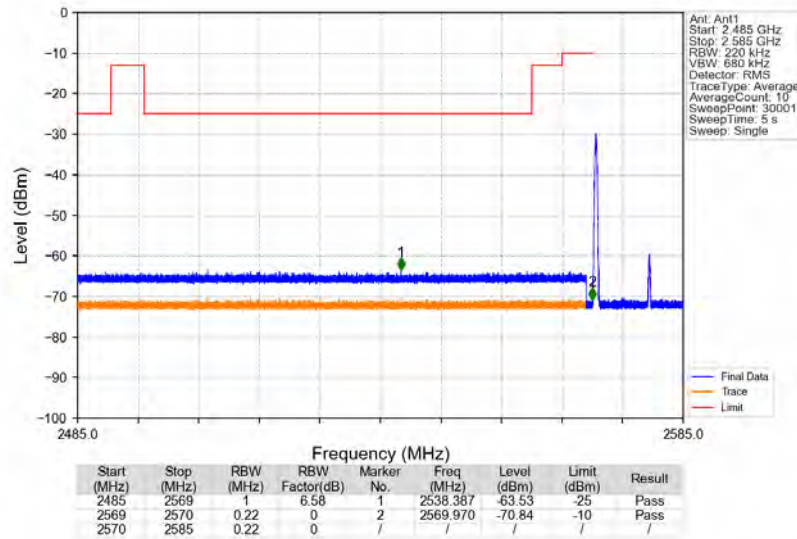
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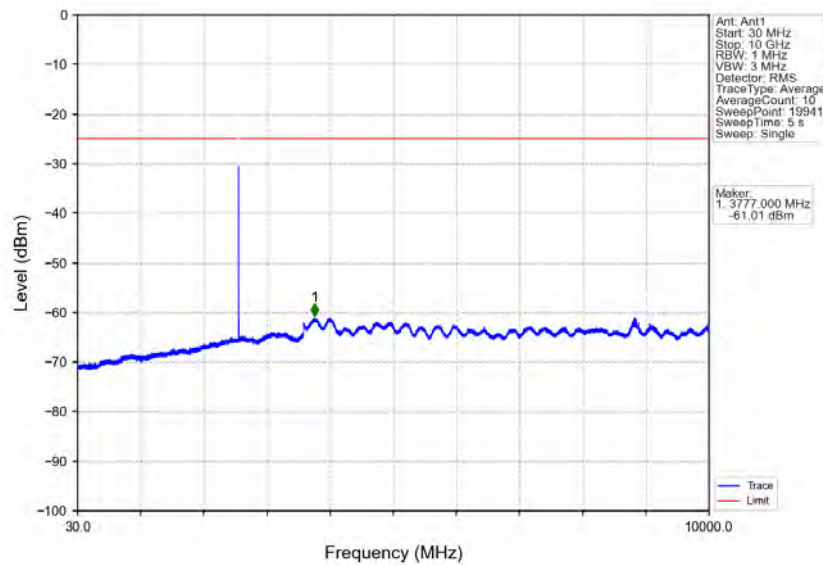
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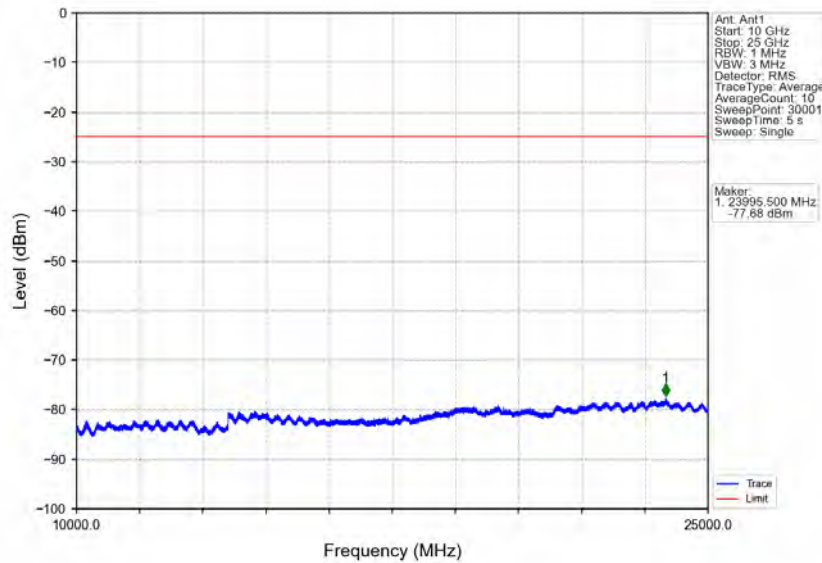
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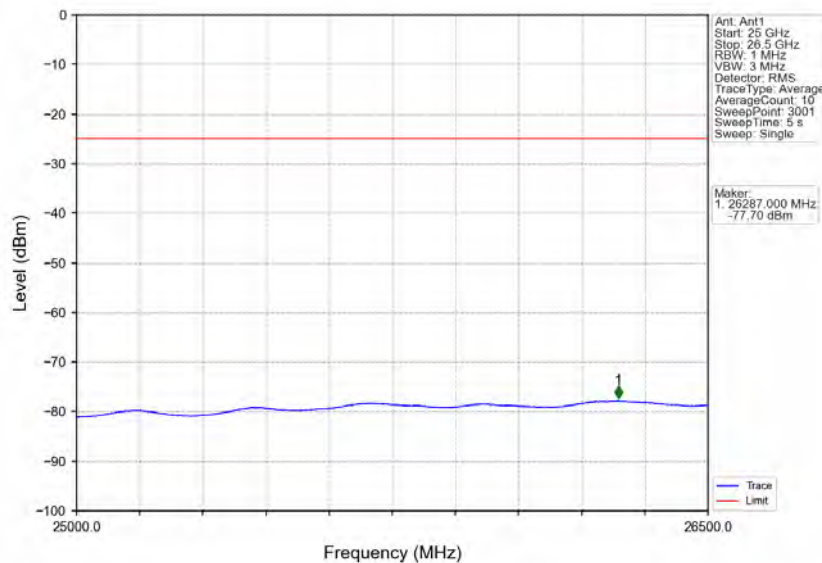
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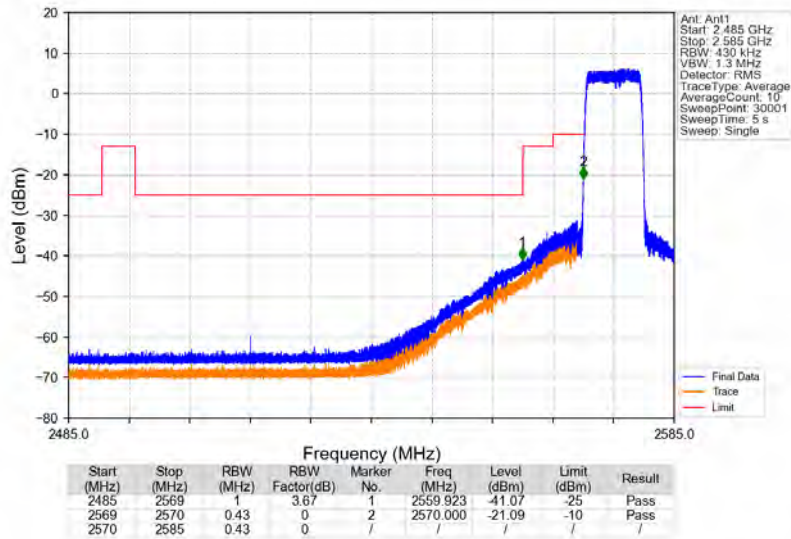
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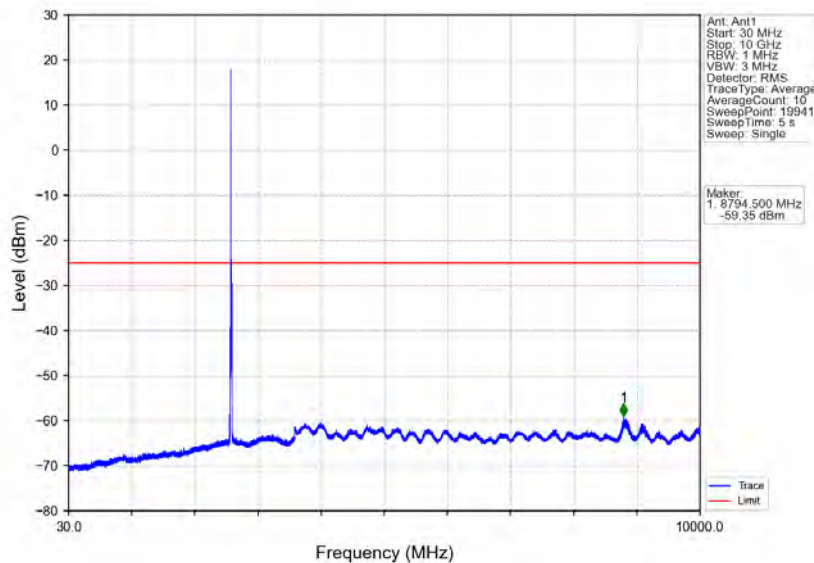
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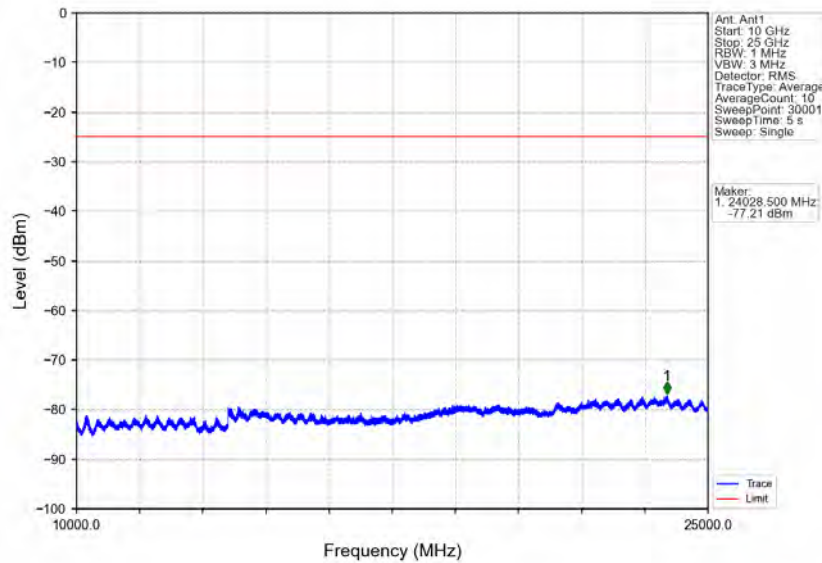
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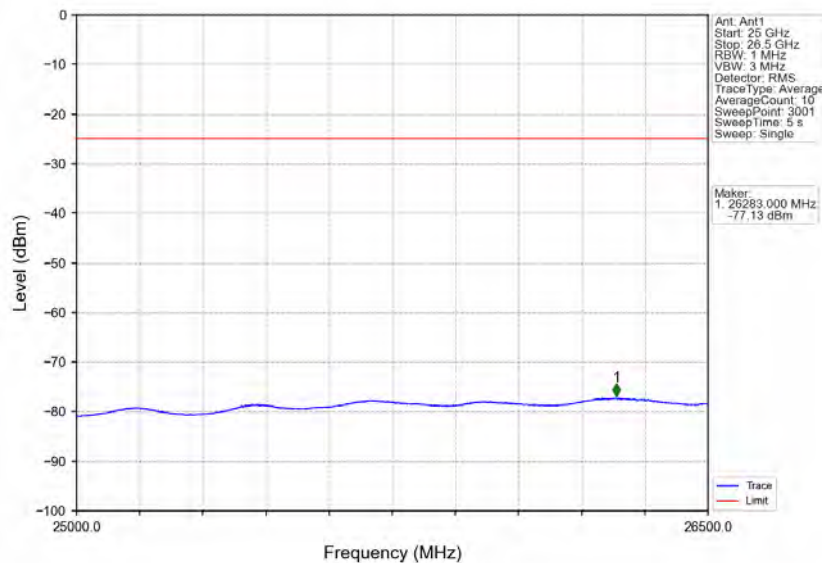
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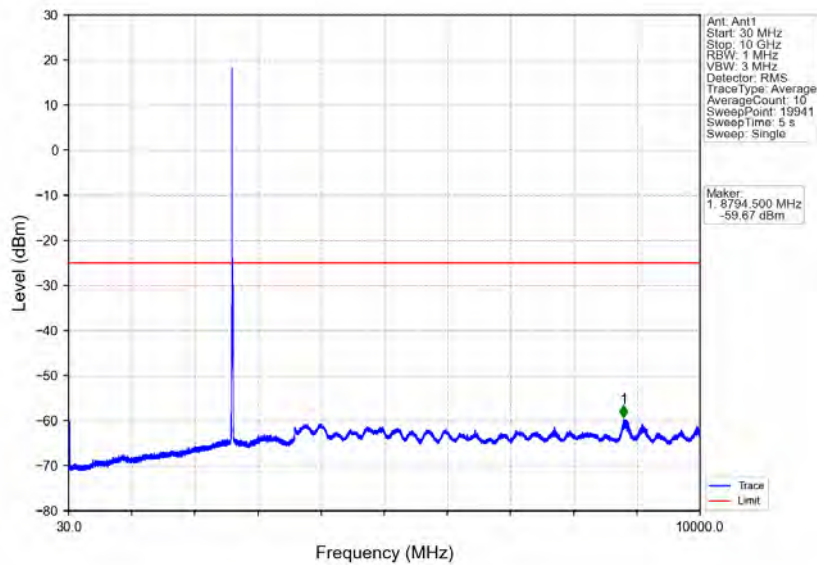
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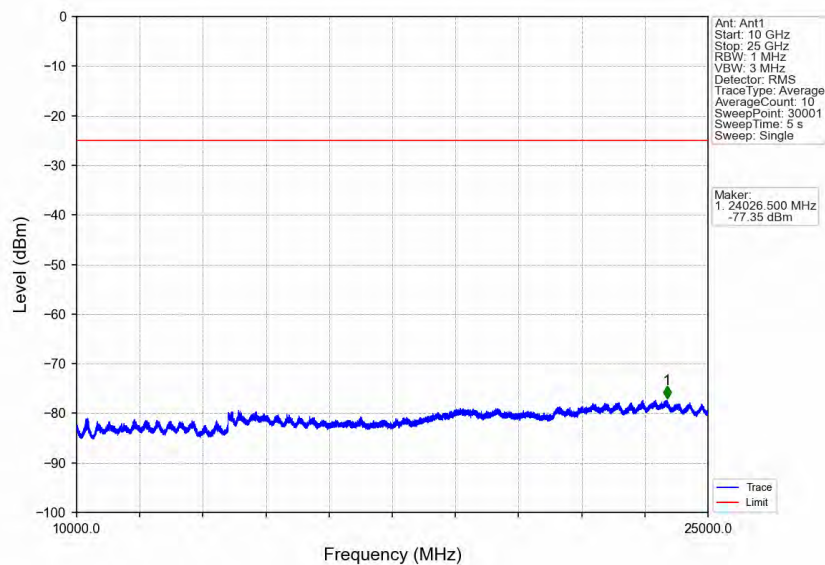
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Band38_10MHz_64QAM_HCH_2615MHz_RB_1_0_NTV



Band38_10MHz_64QAM_HCH_2615MHz_RB_1_0_NTV

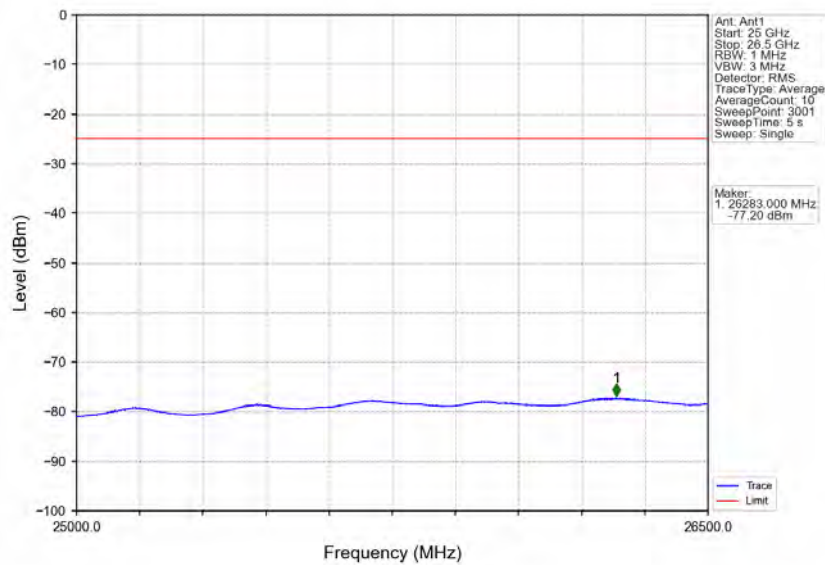


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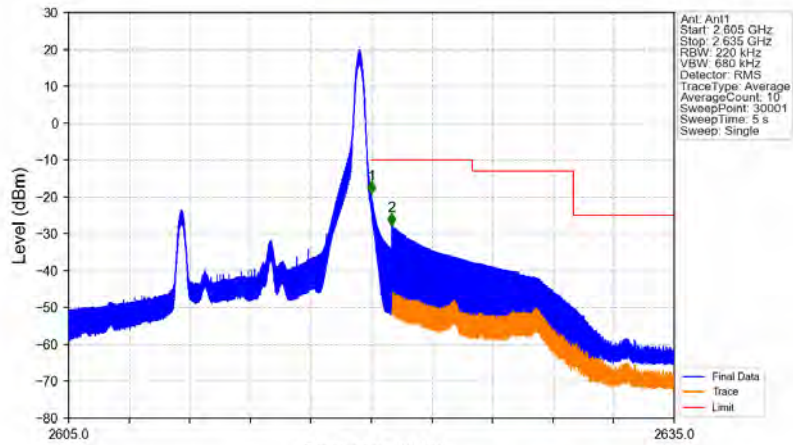
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Band38_10MHz_64QAM_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_64QAM_HCH_2615MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	0	/	/	/	/	/
2620	2621	0.22	0	1	2620.003	-19.07	-10	Pass
2621	2635	1	6.58	2	2621.005	-27.74	-10	Pass



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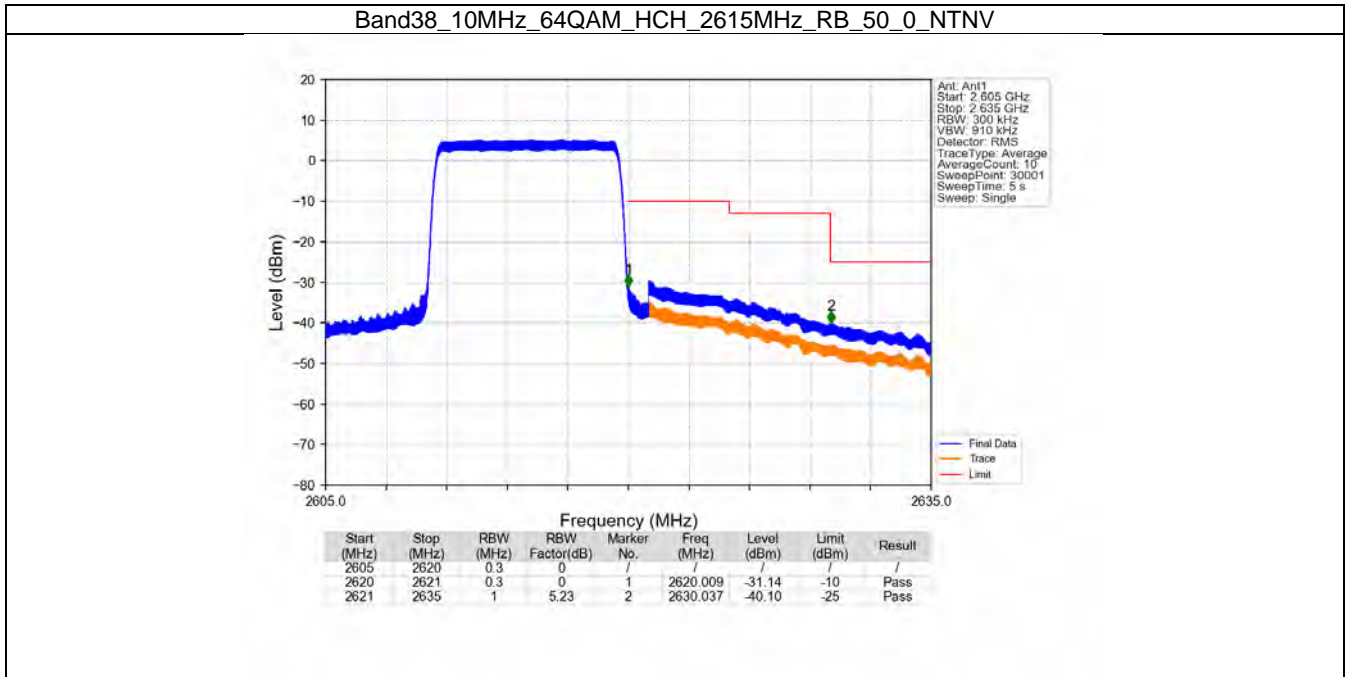
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6.3 B38_15MHz

6.3.1 Test Result

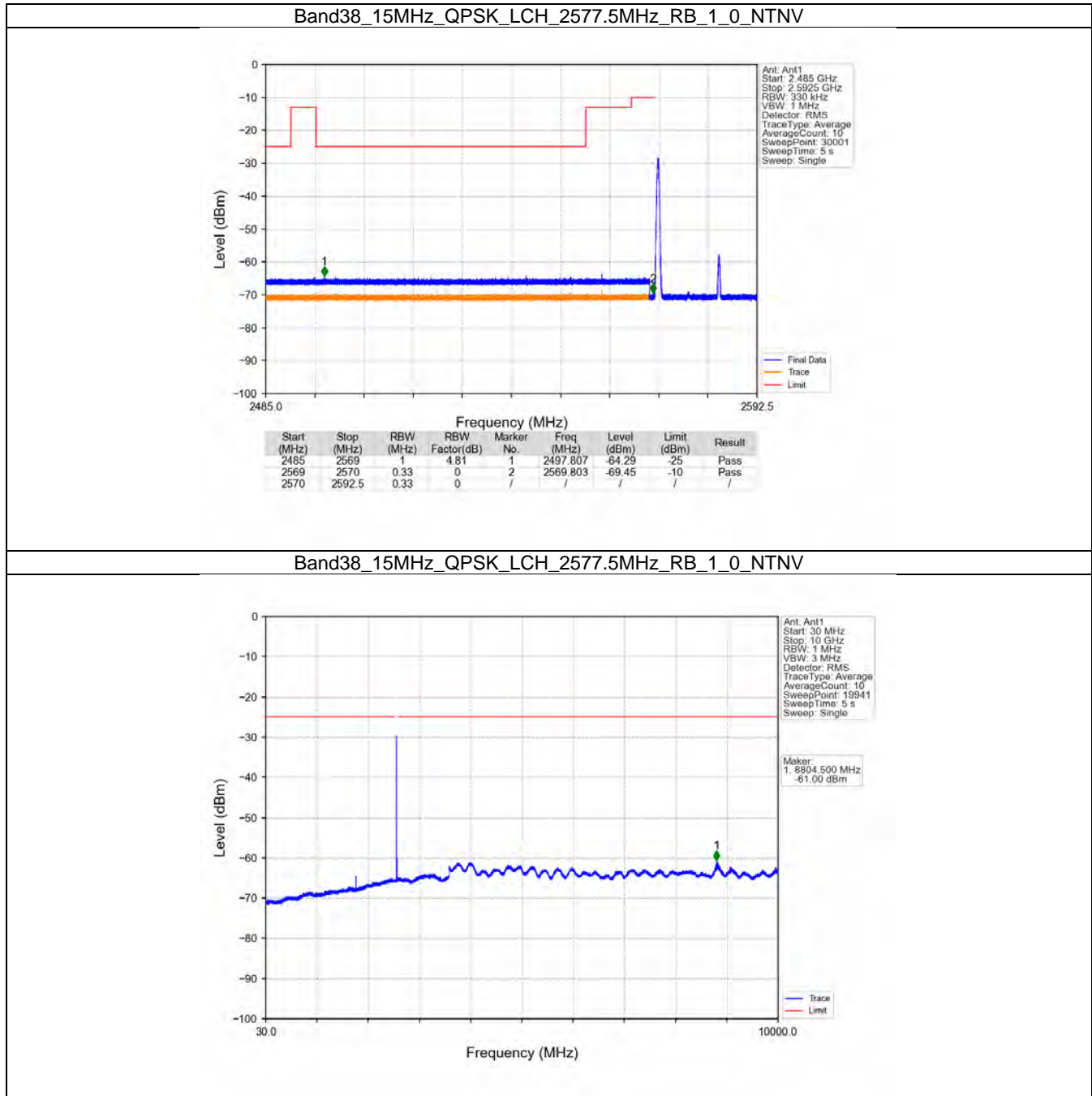
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	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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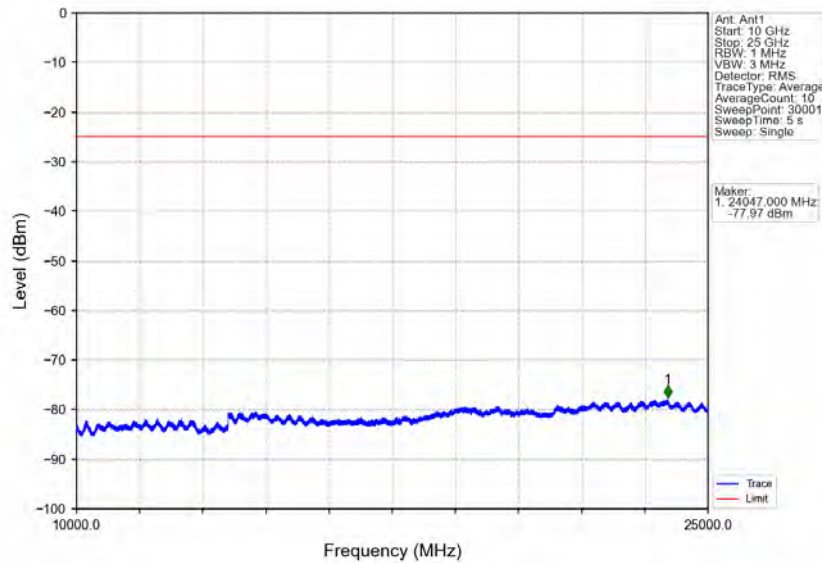
6.3.2 Test Graph



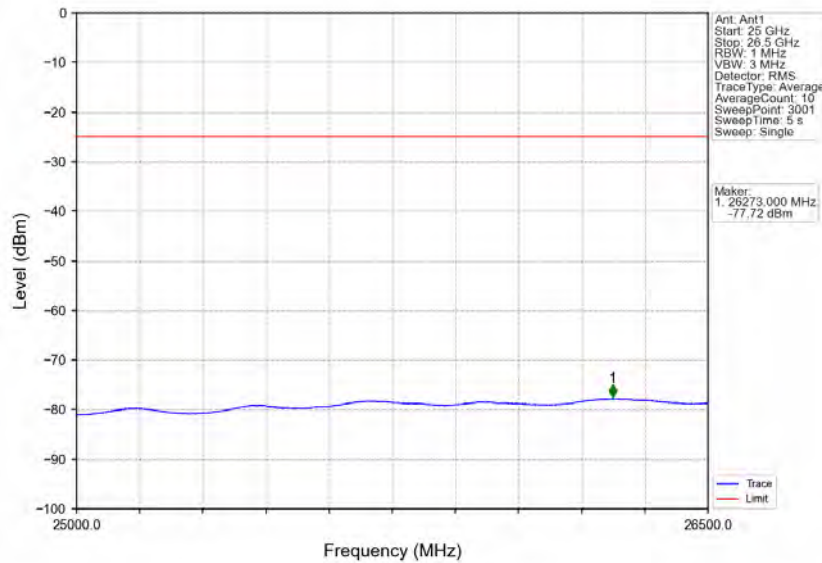
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



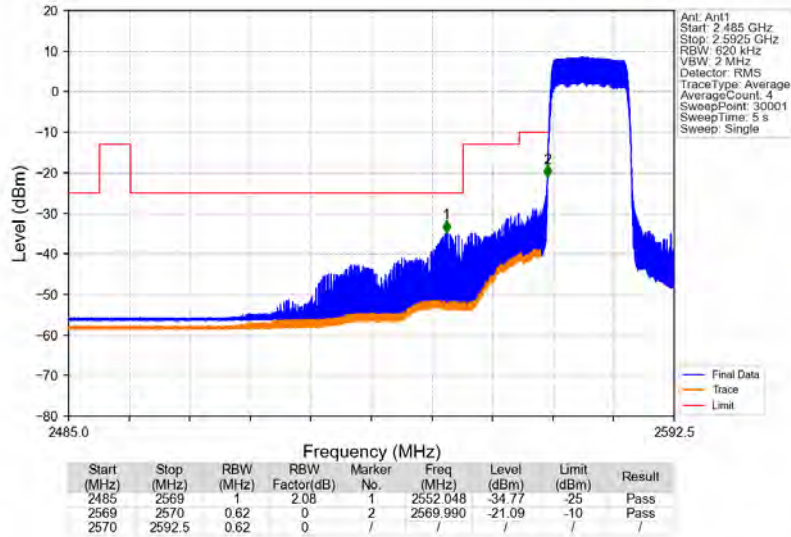
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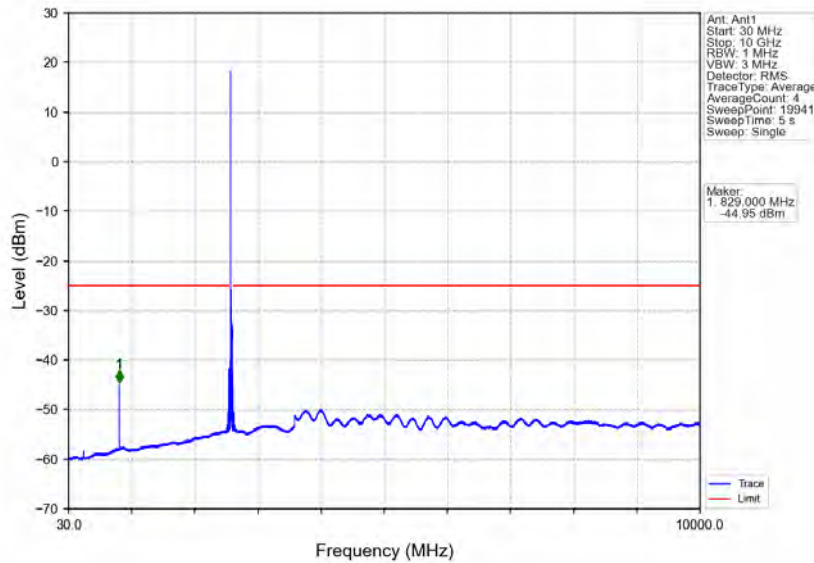
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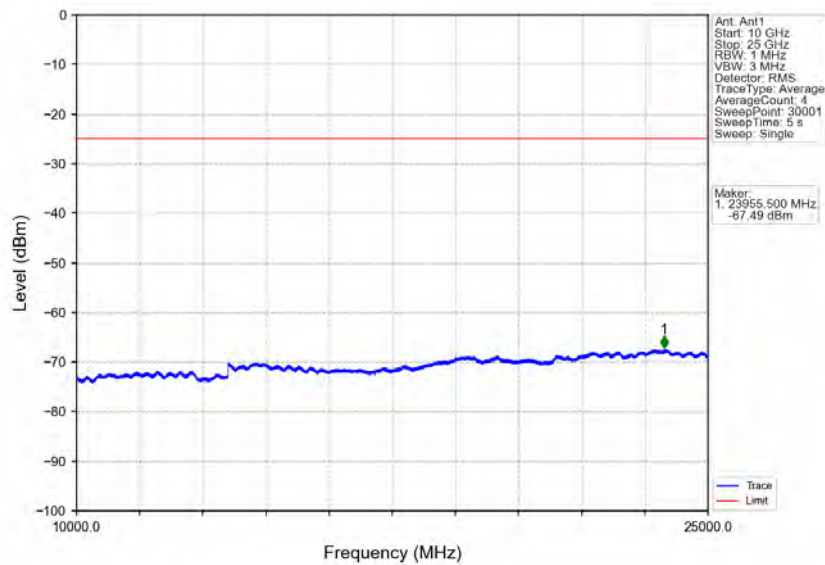
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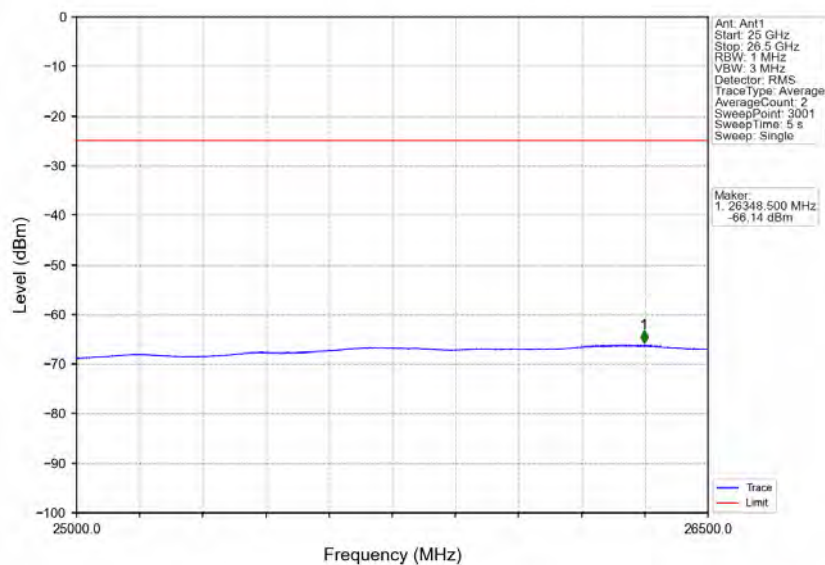
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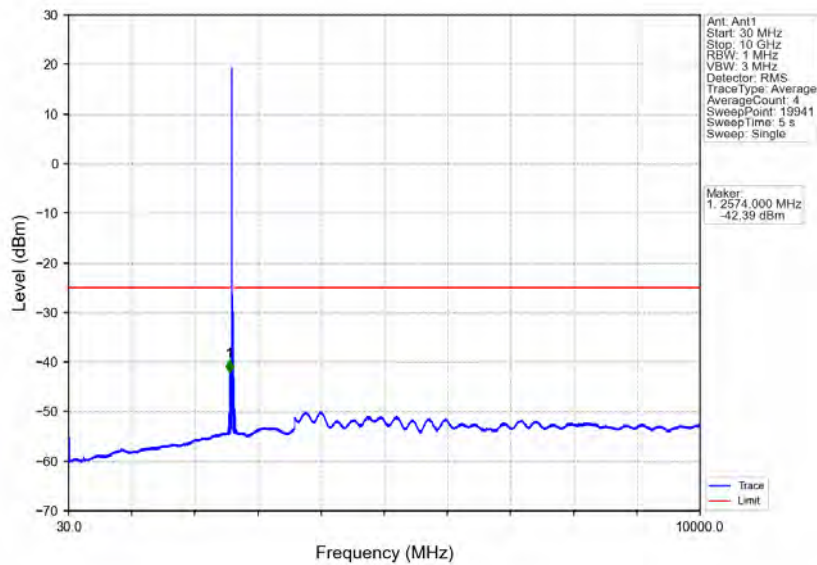
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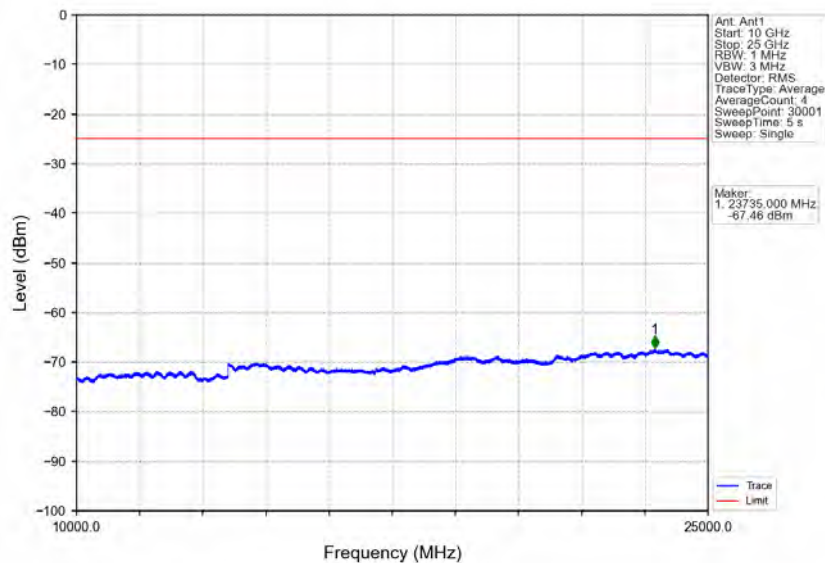
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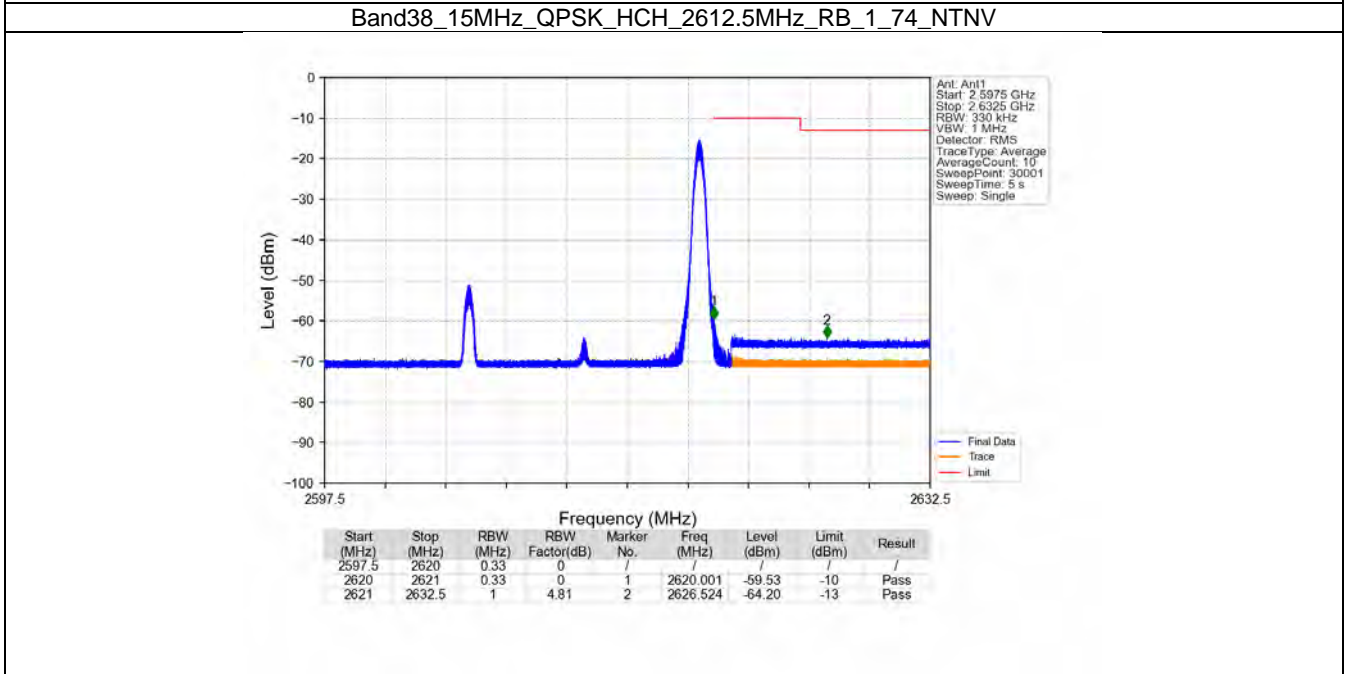
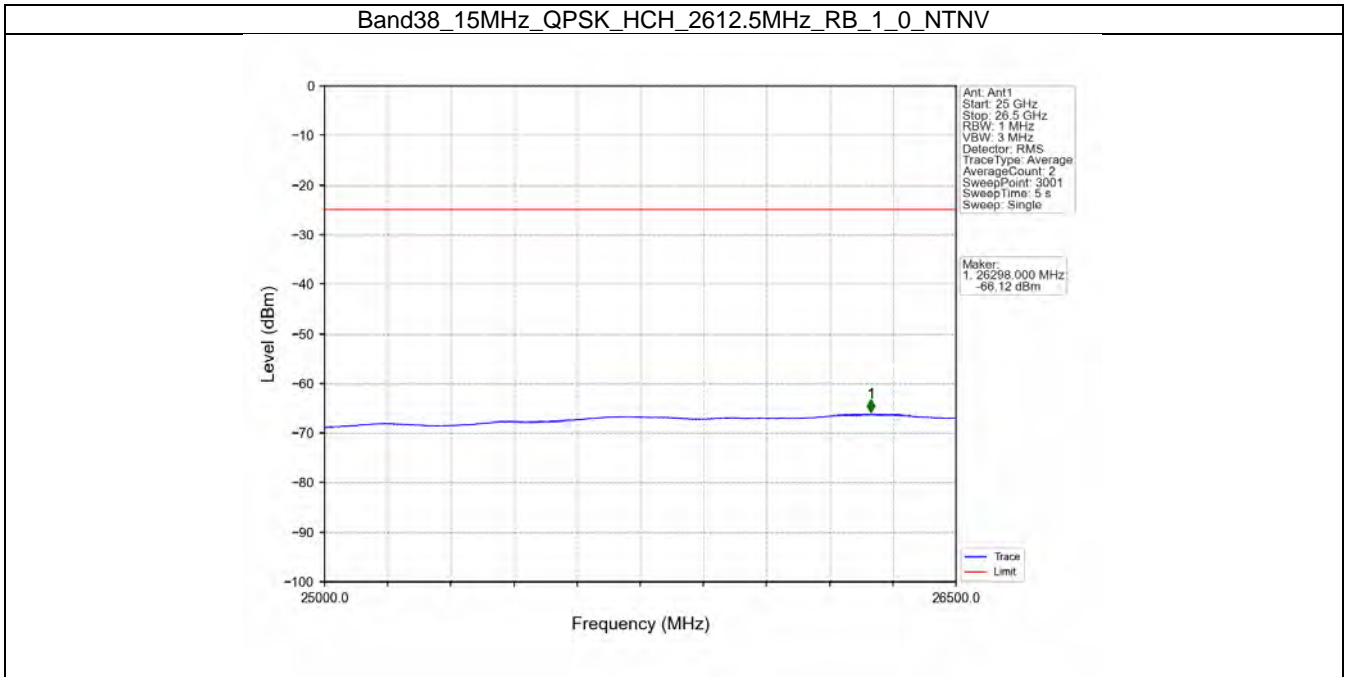
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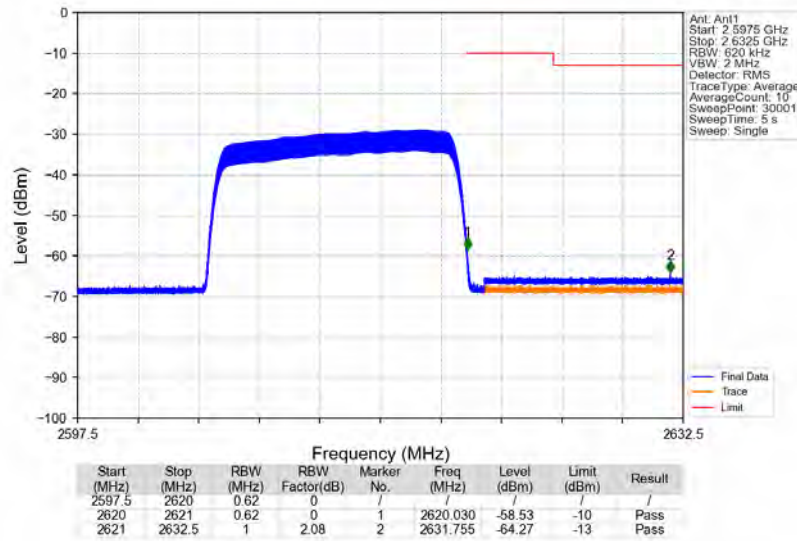
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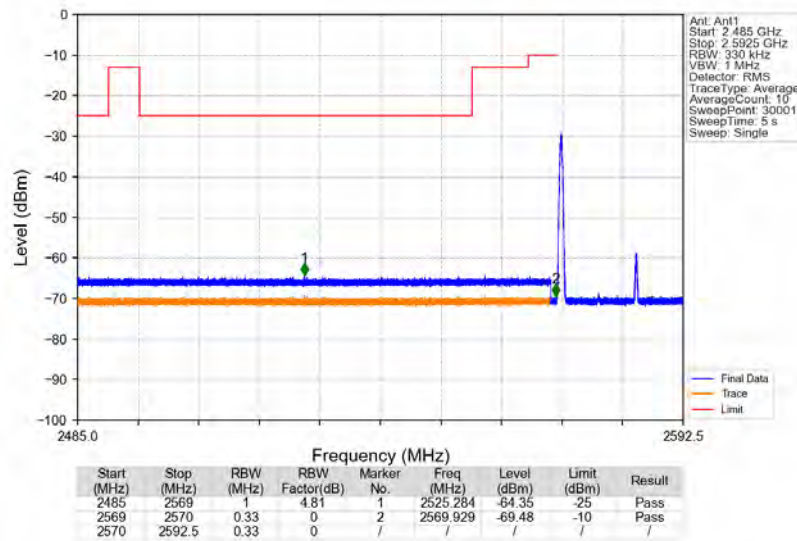
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



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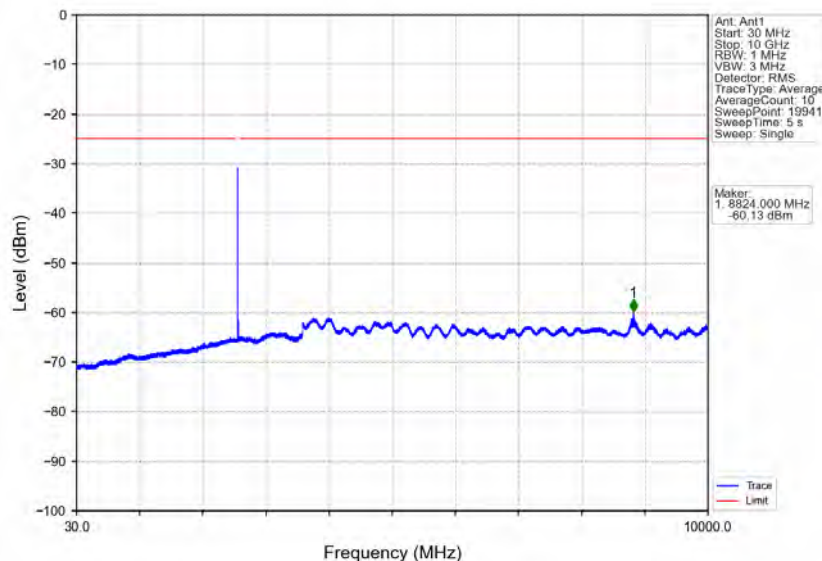
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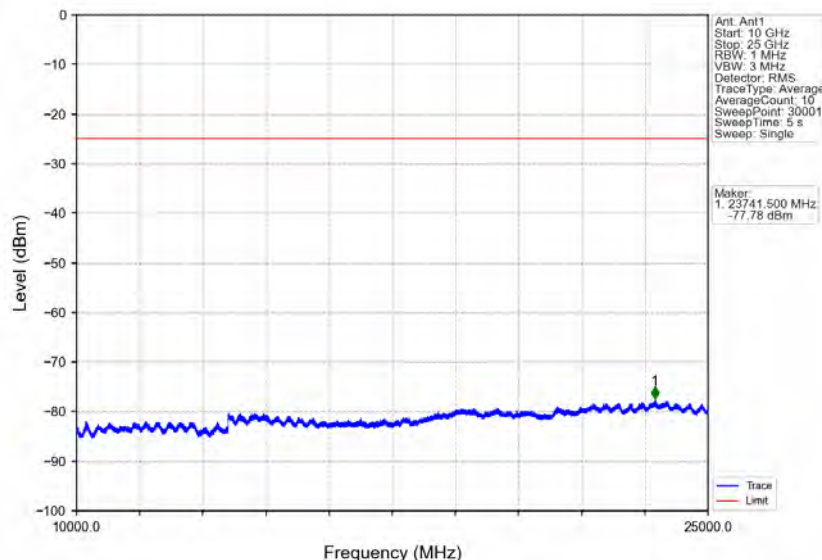
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV

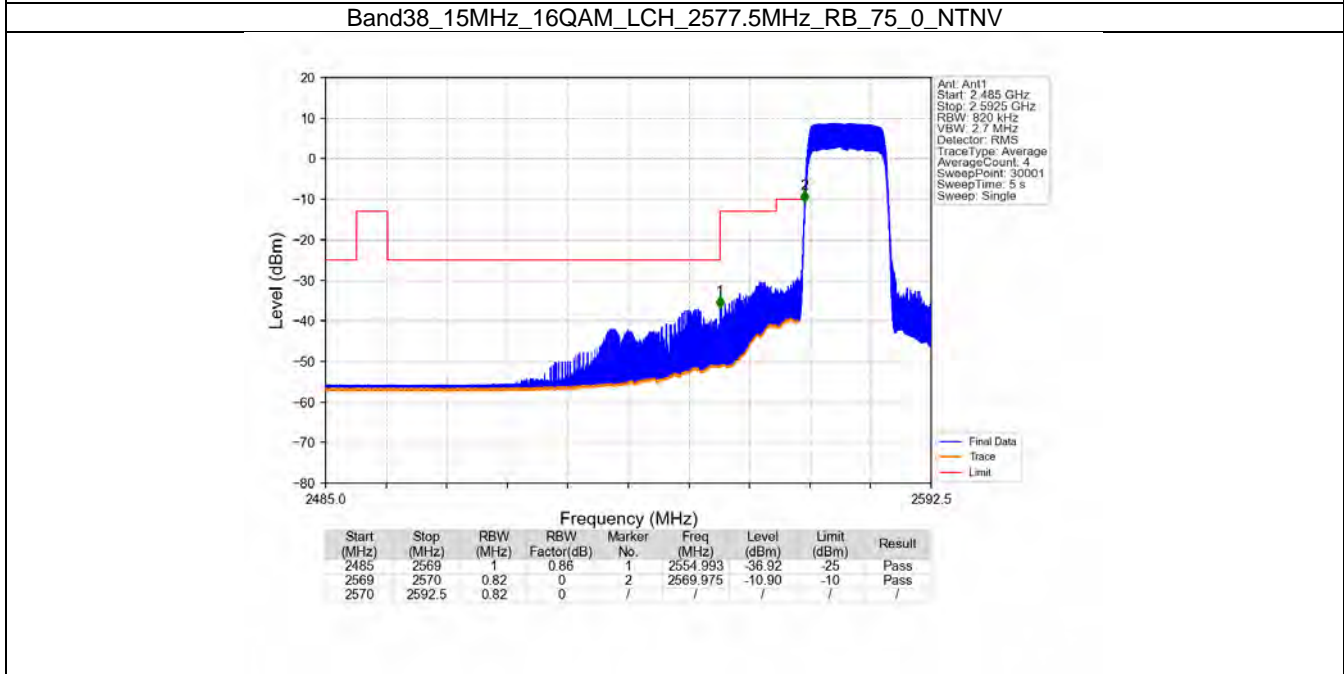
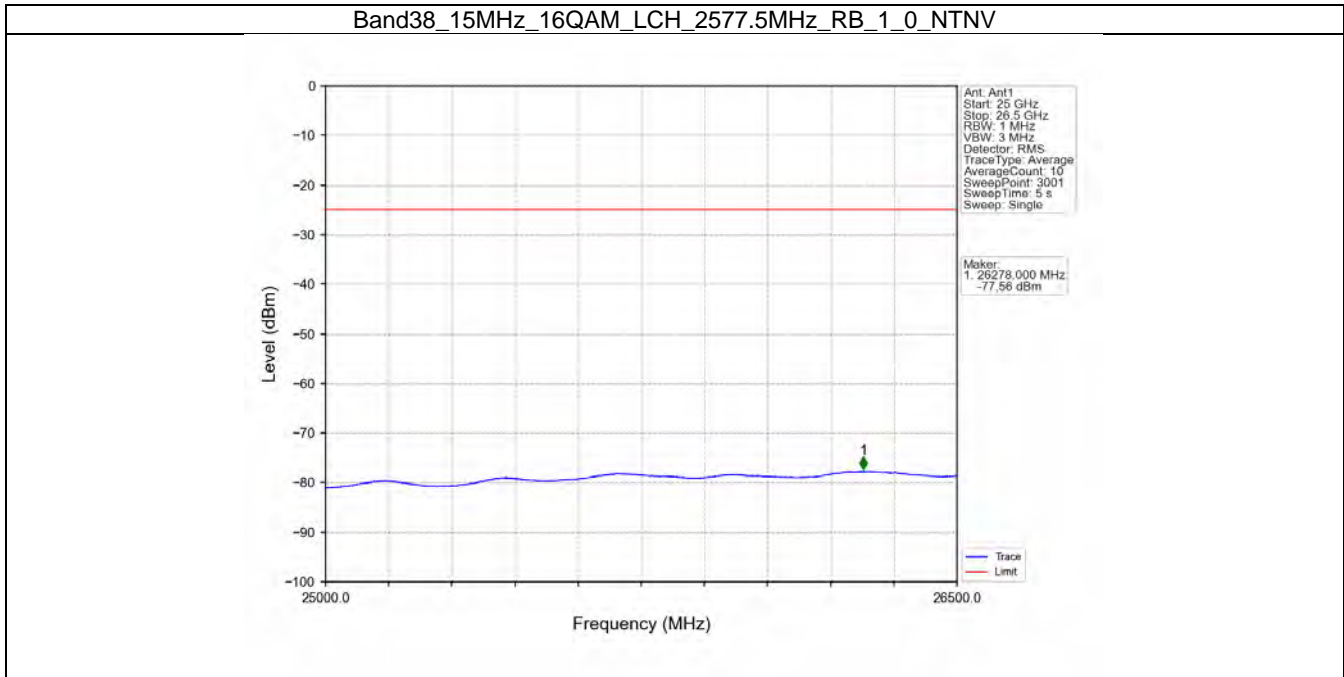


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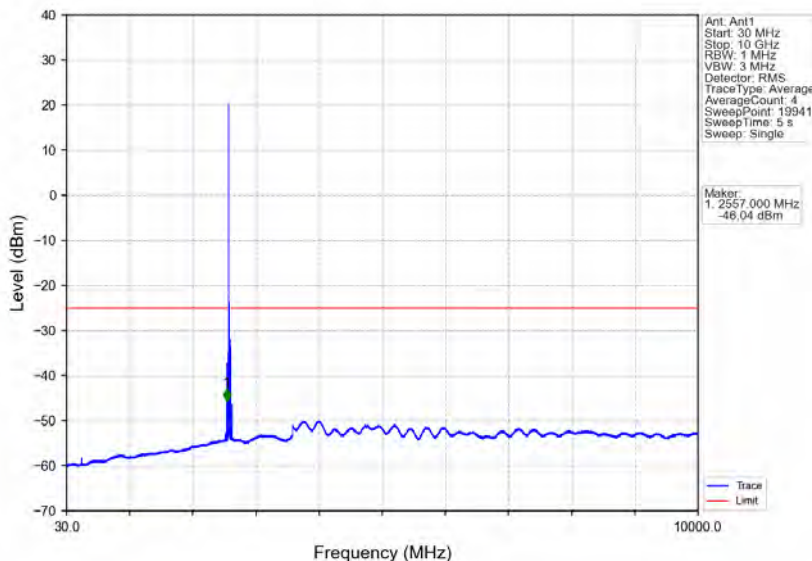
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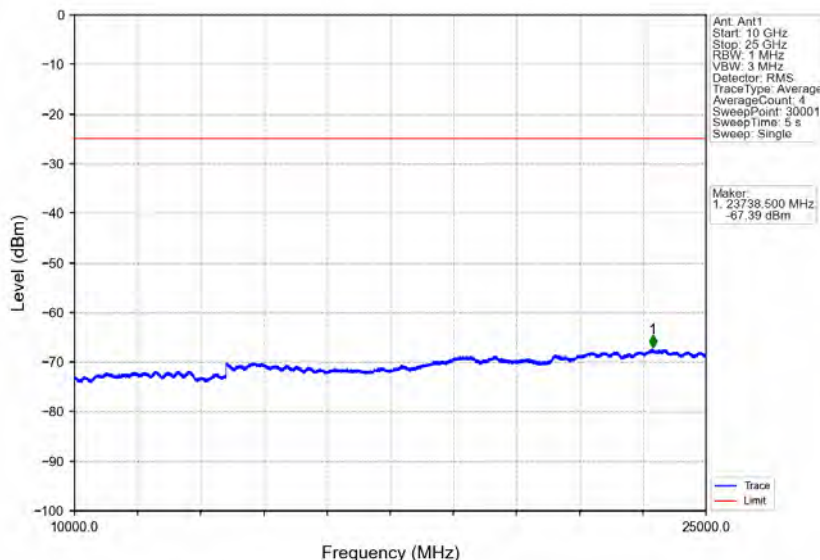
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Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

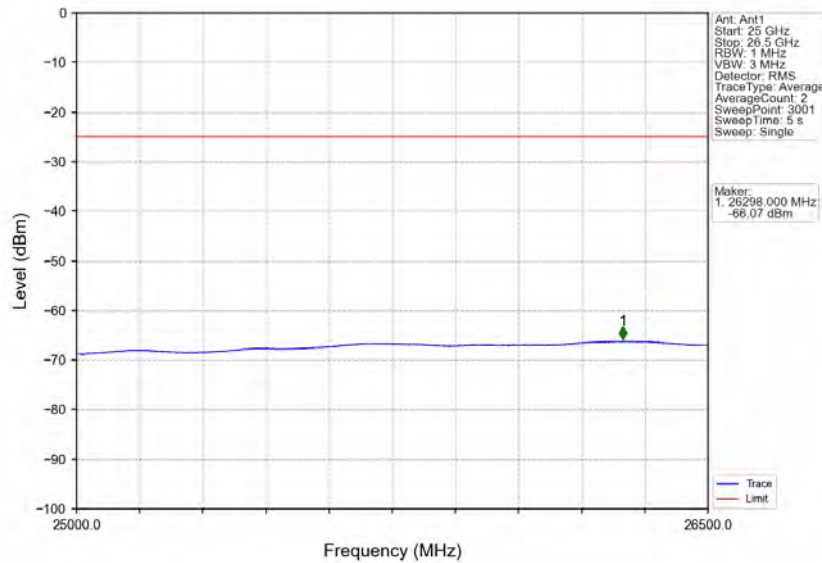


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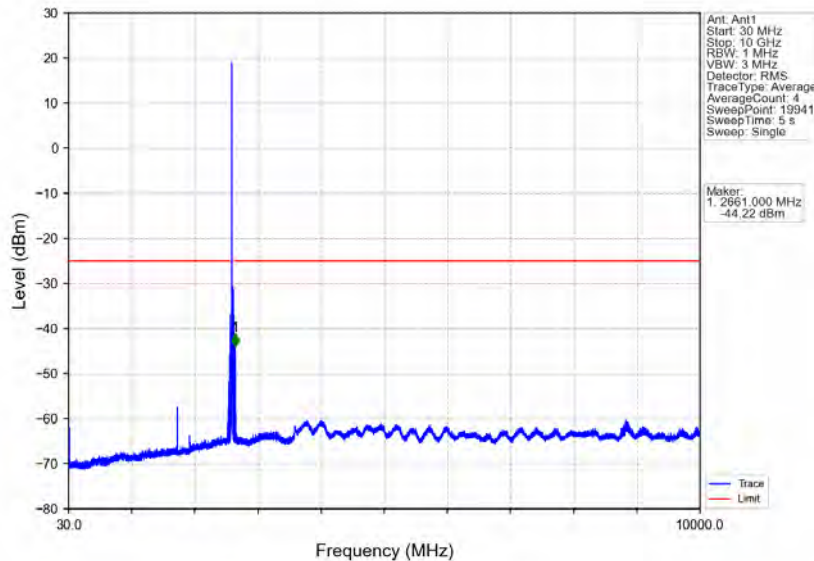
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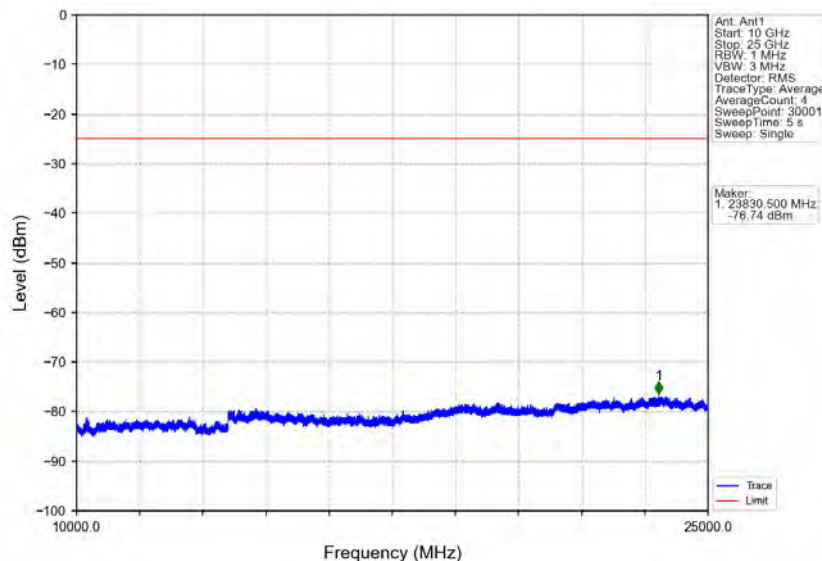
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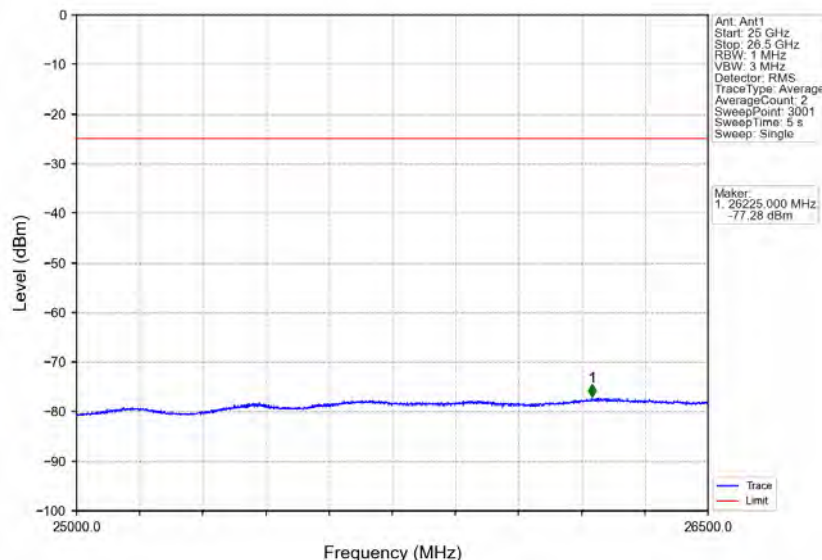
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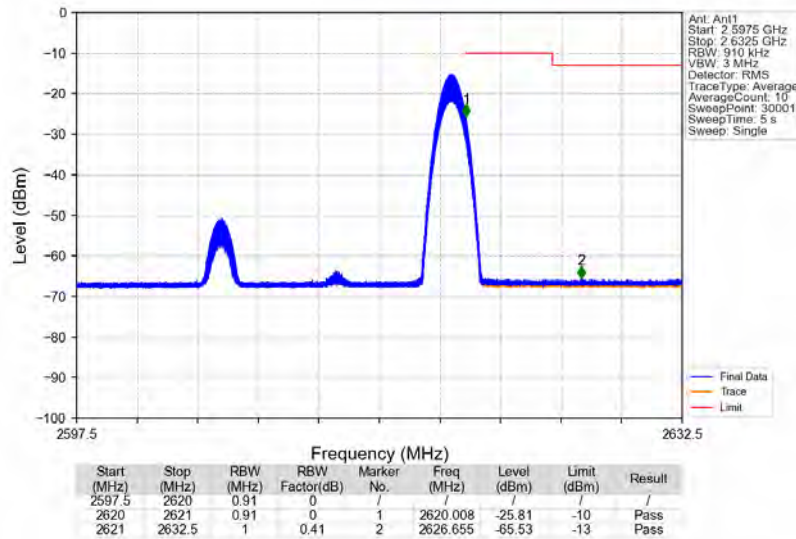


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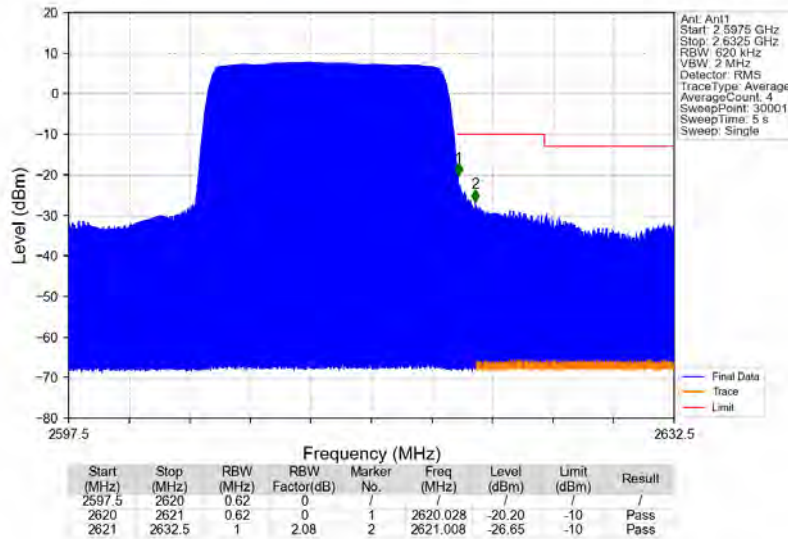
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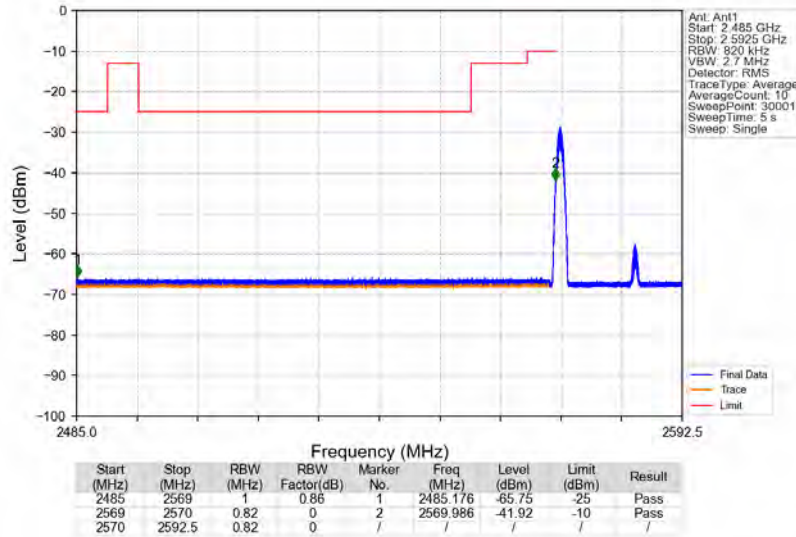
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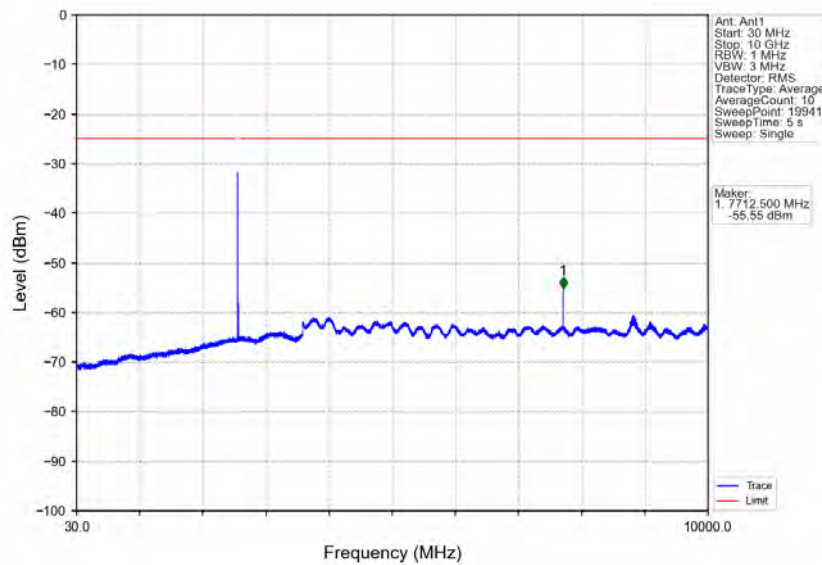
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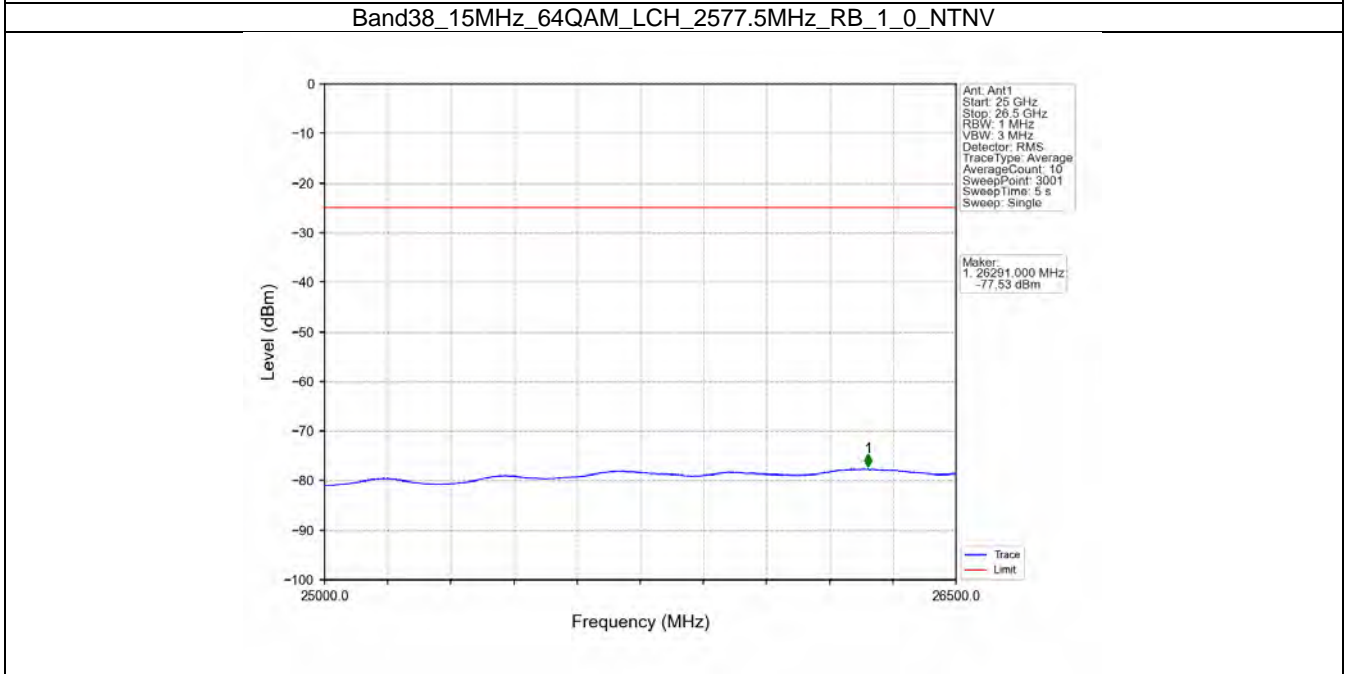
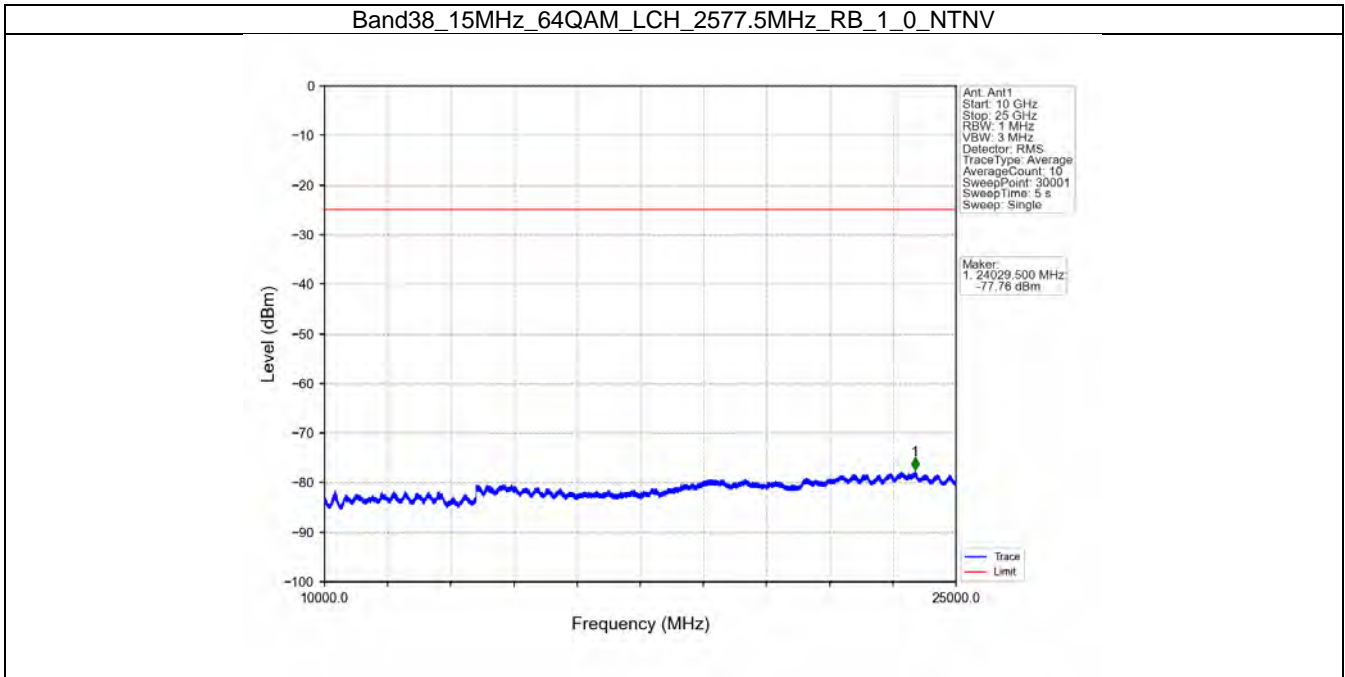
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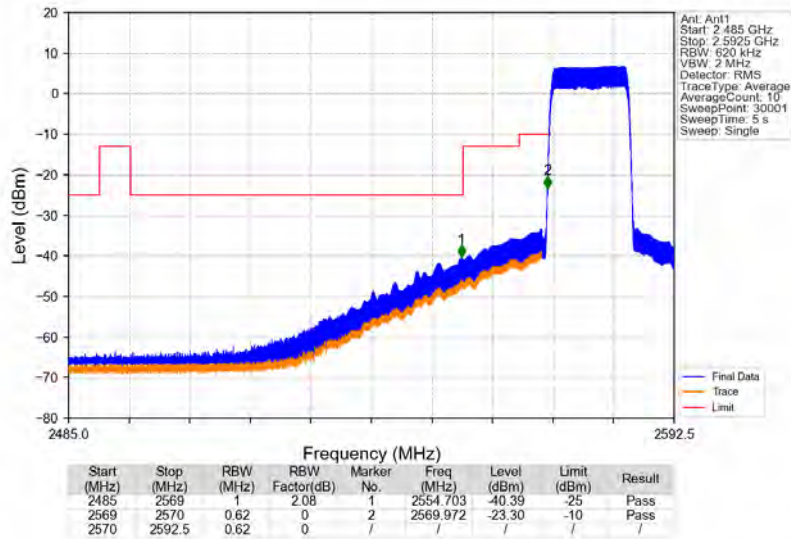
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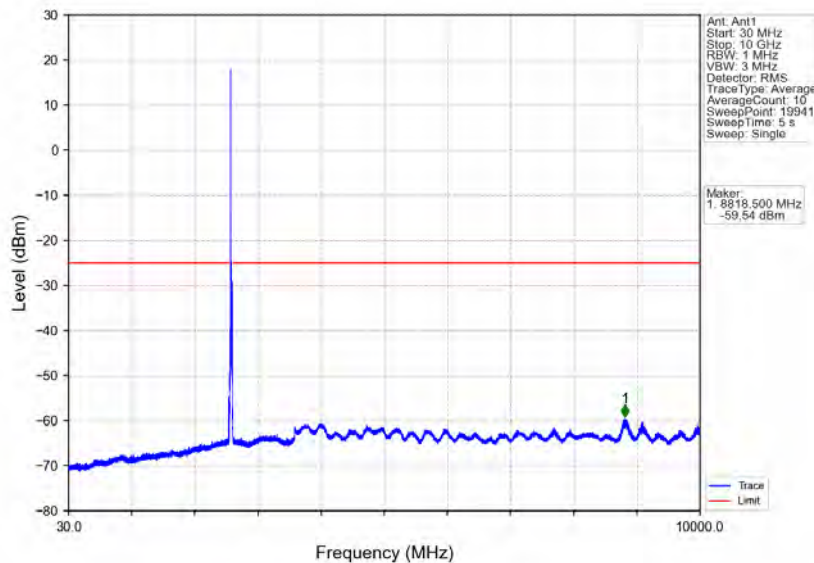
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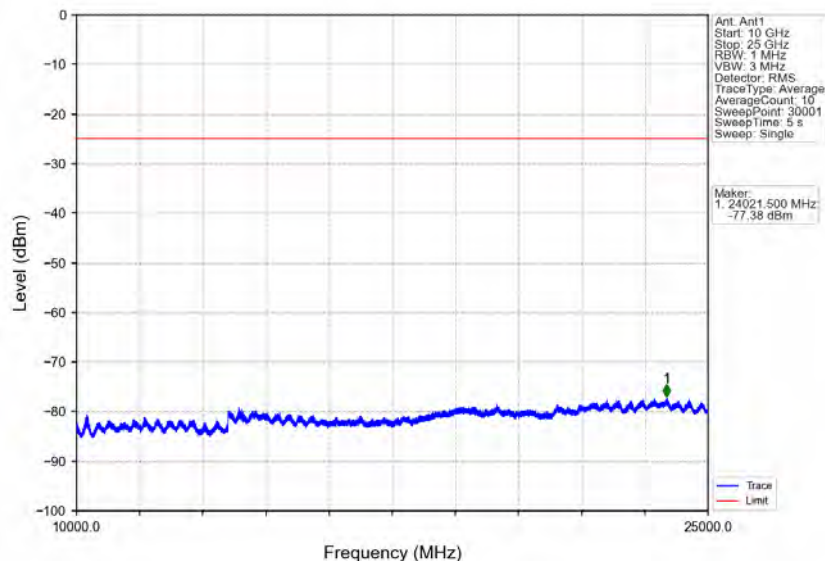
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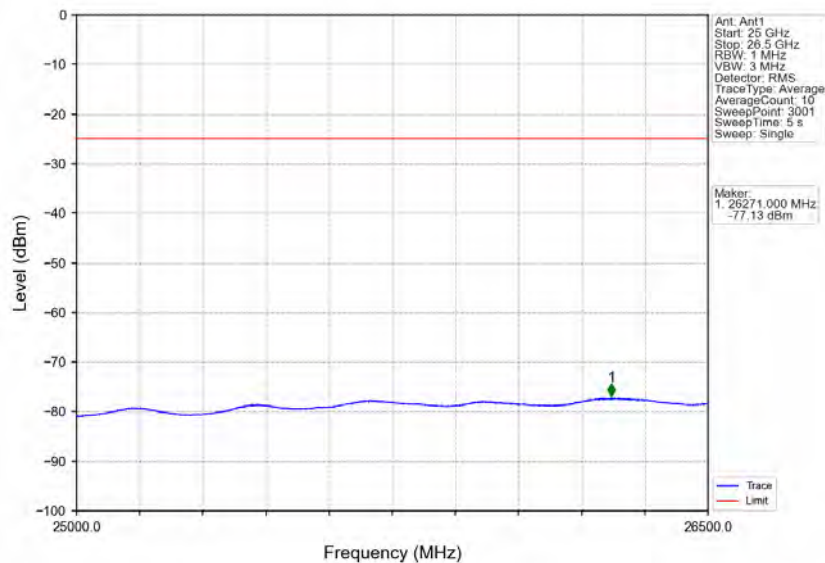
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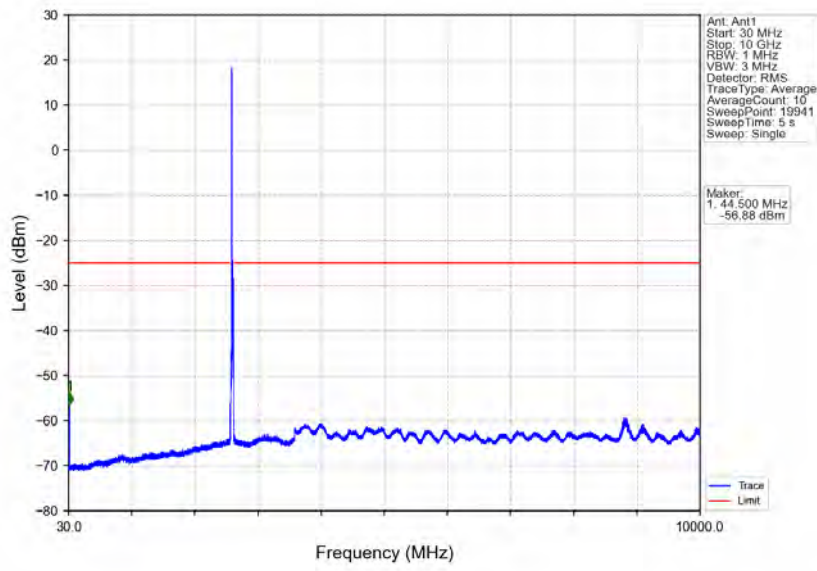


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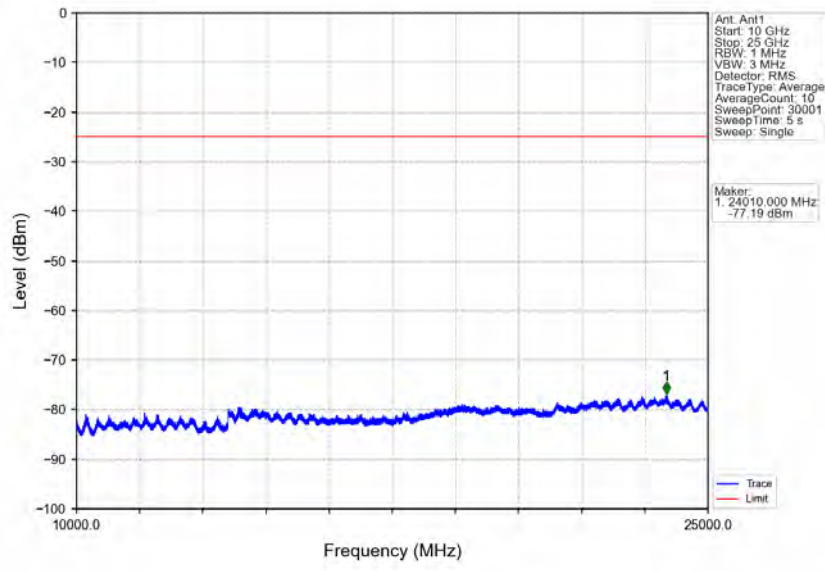


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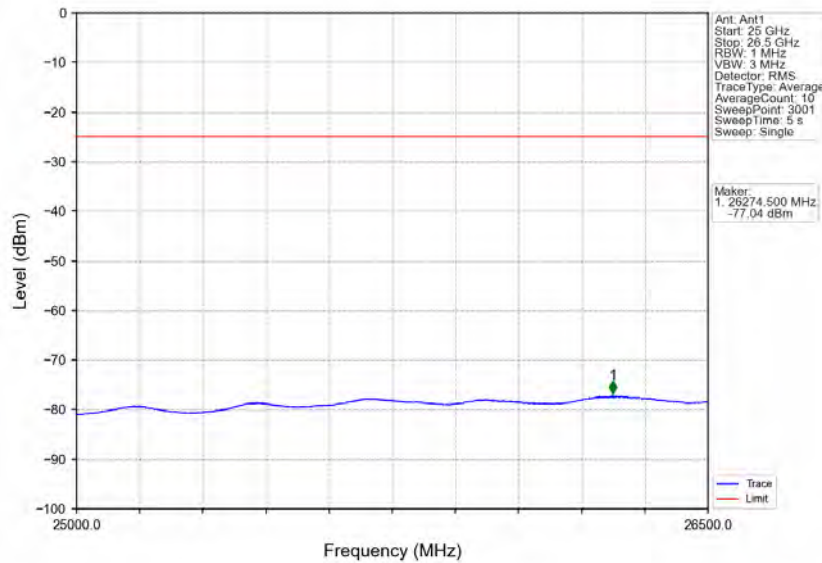


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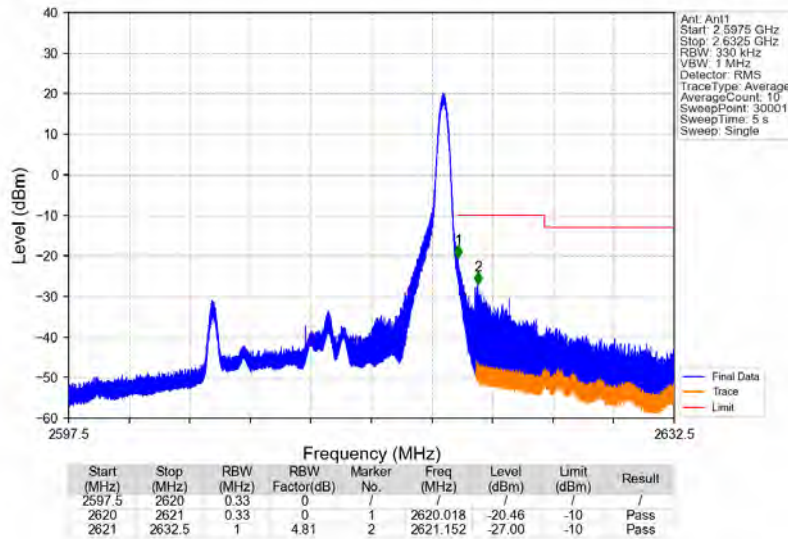
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_64QAM_HCH_2612.5MHz_RB_1_74_NTNV



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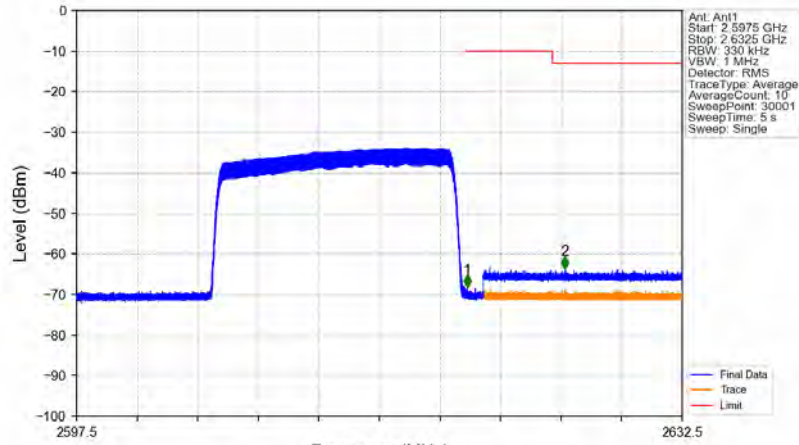
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	0	/	/	/	/	/
2620	2621	0.33	0	1	2620.076	-68.30	-10	Pass
2621	2632.5	1	4.81	2	2625.733	-63.74	-13	Pass



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6.4 B38_20MHz

6.4.1 Test Result

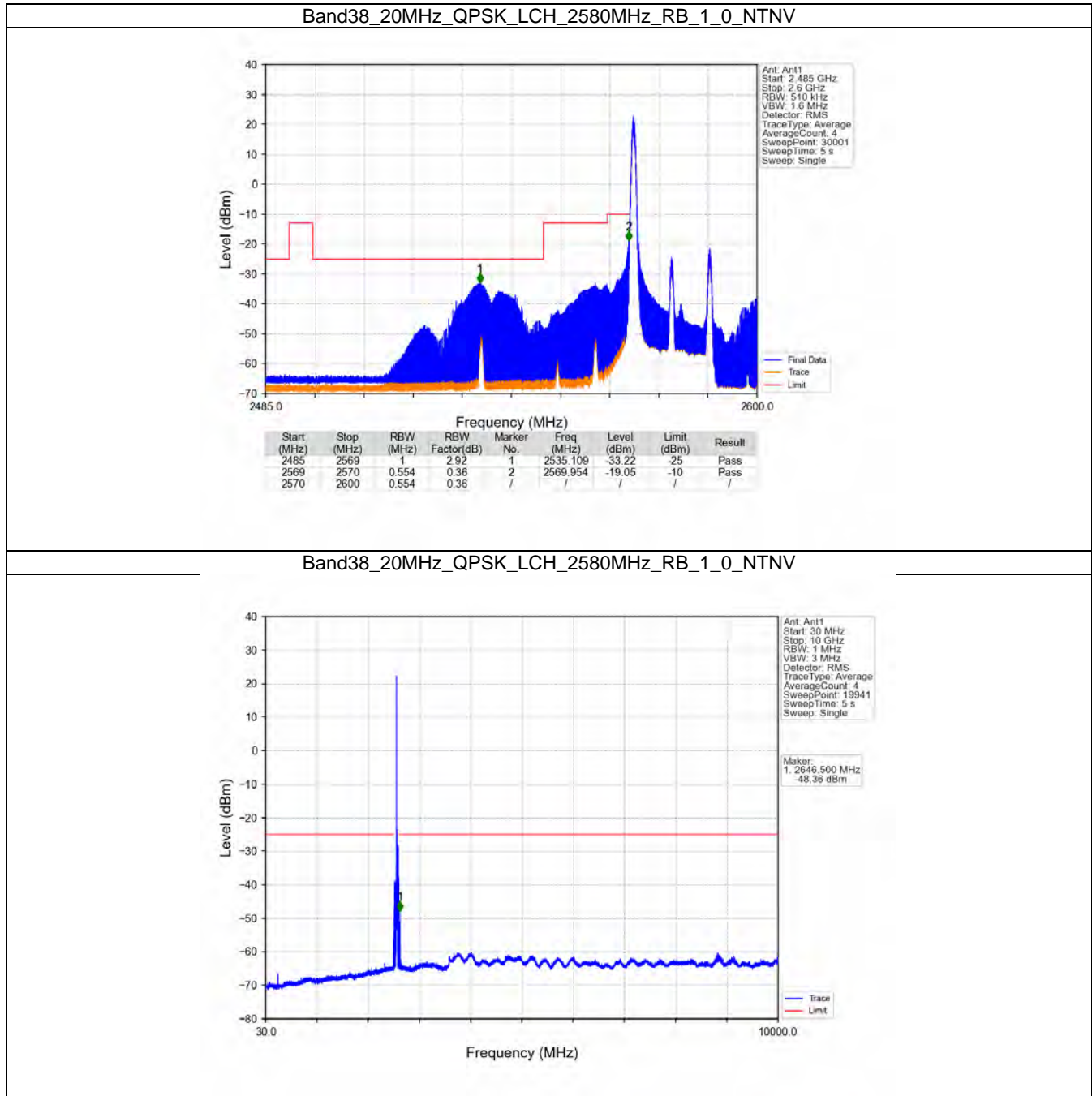
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test 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
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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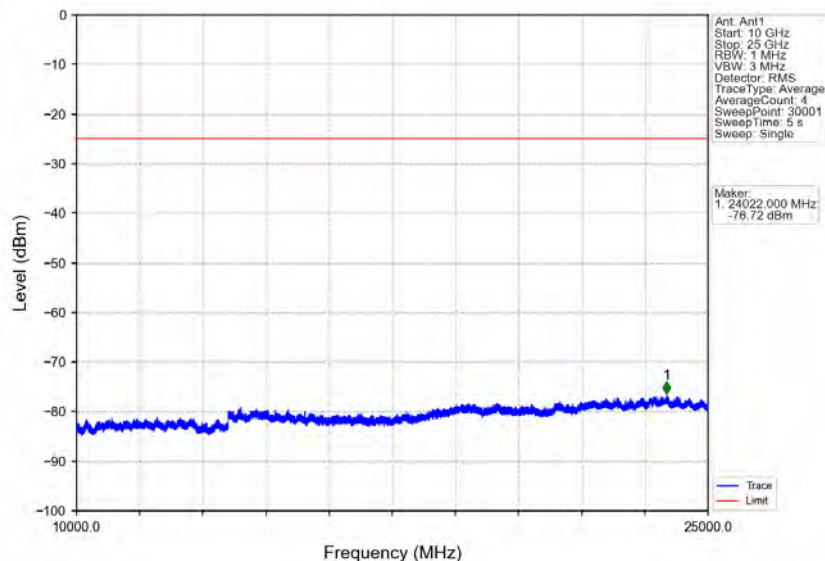
6.4.2 Test Graph



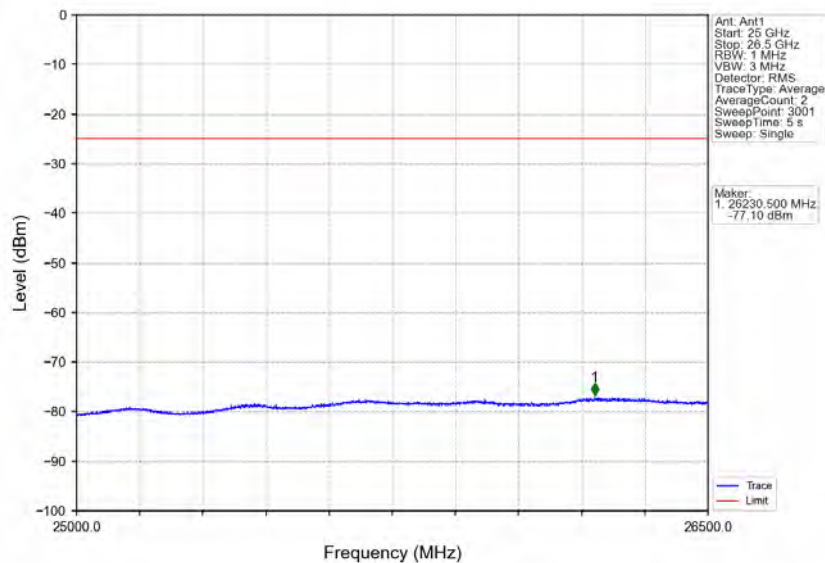
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Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

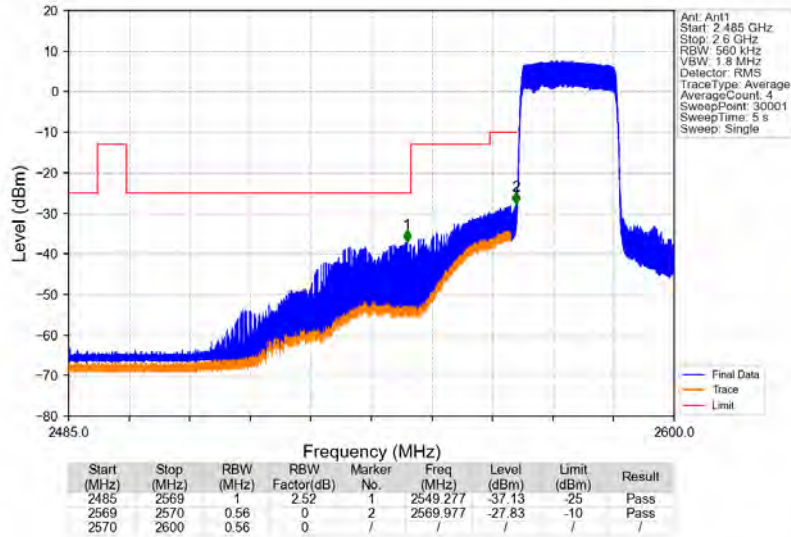


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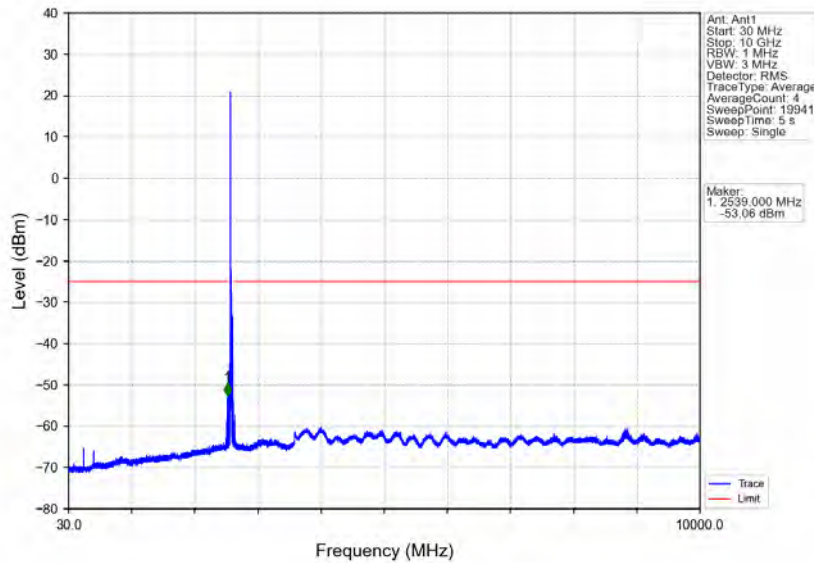
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Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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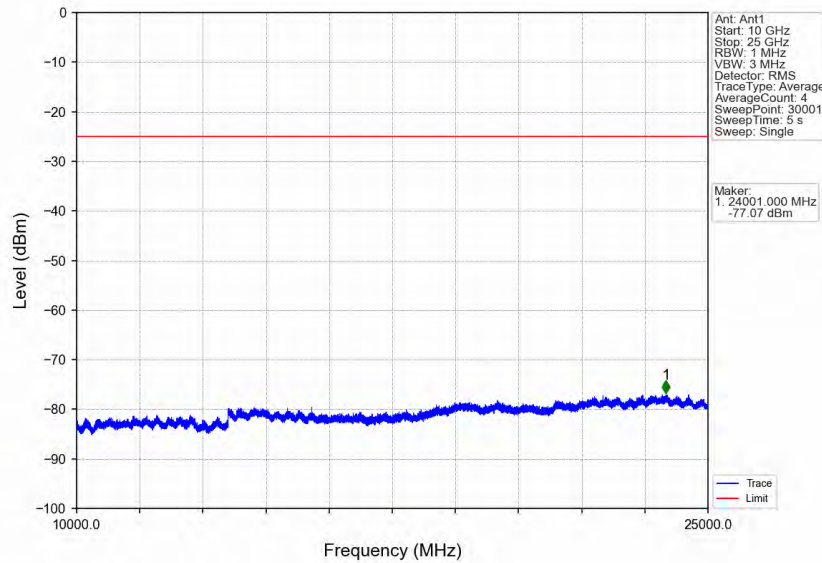
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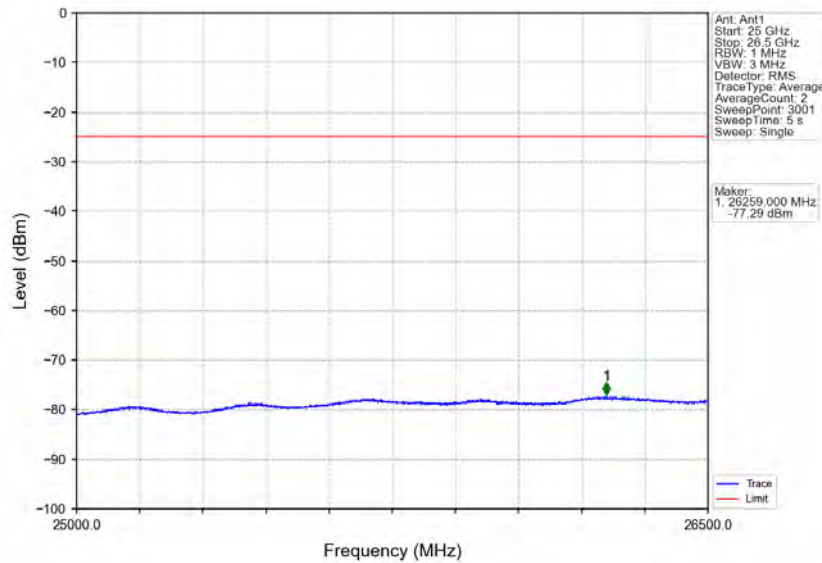
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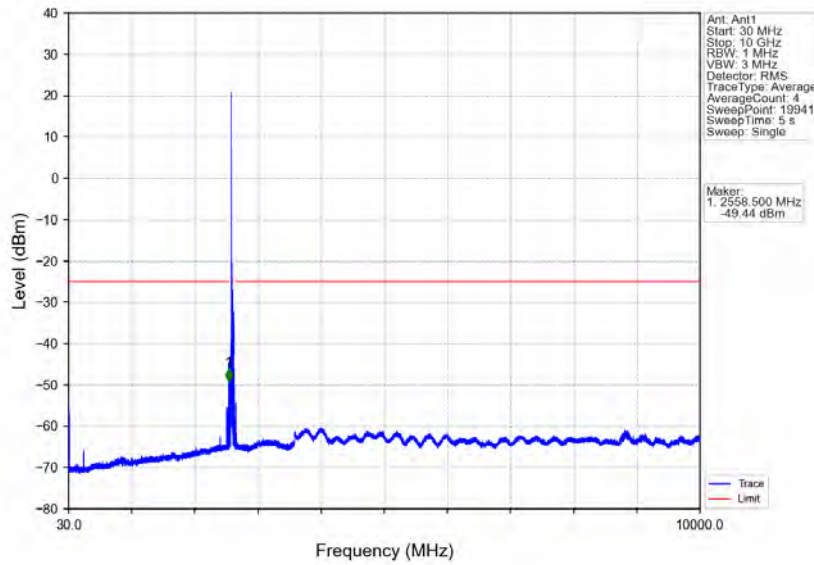
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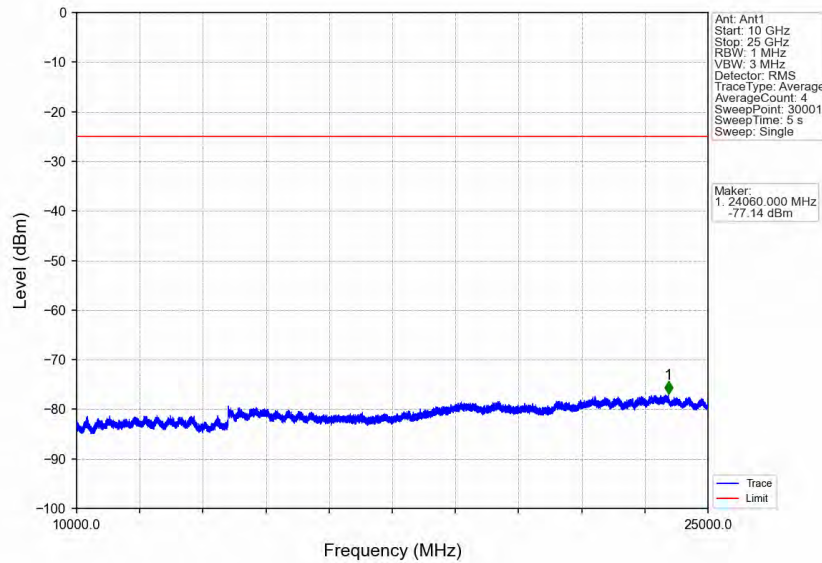
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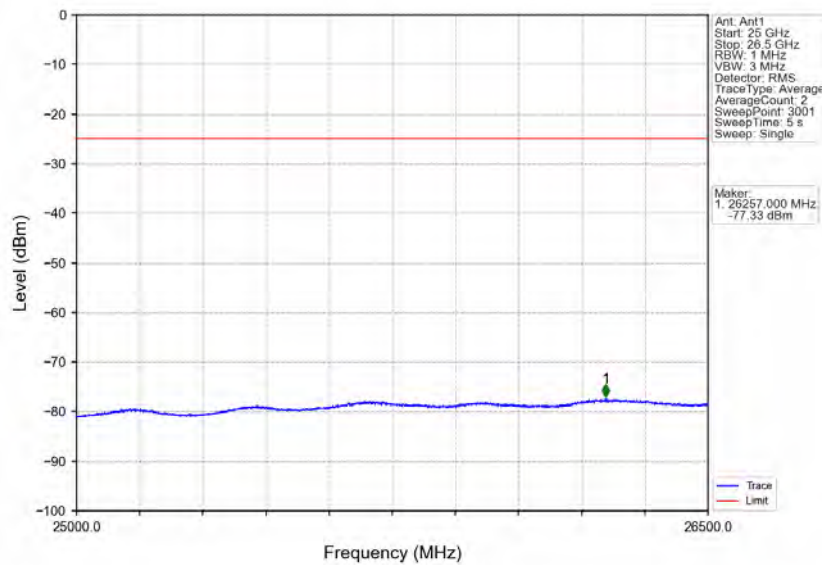
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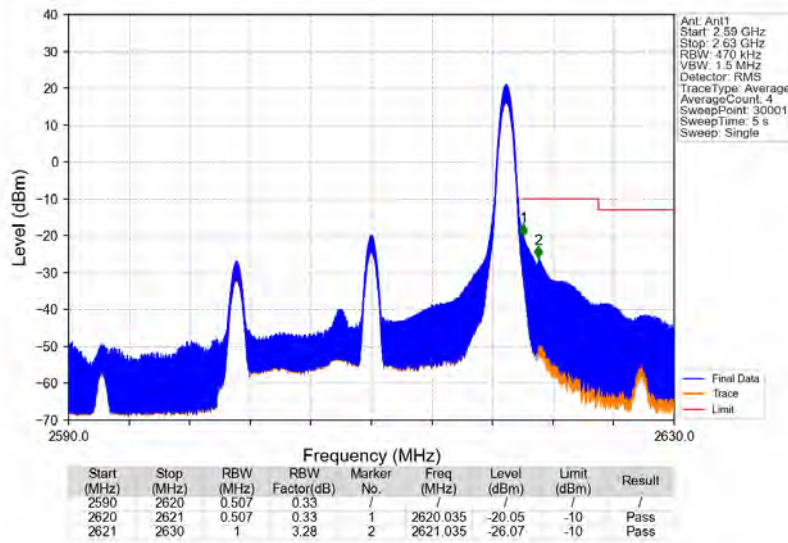
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Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



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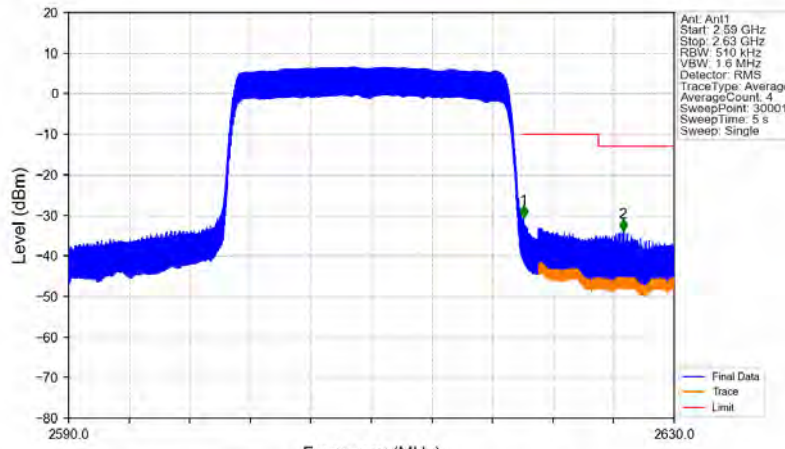
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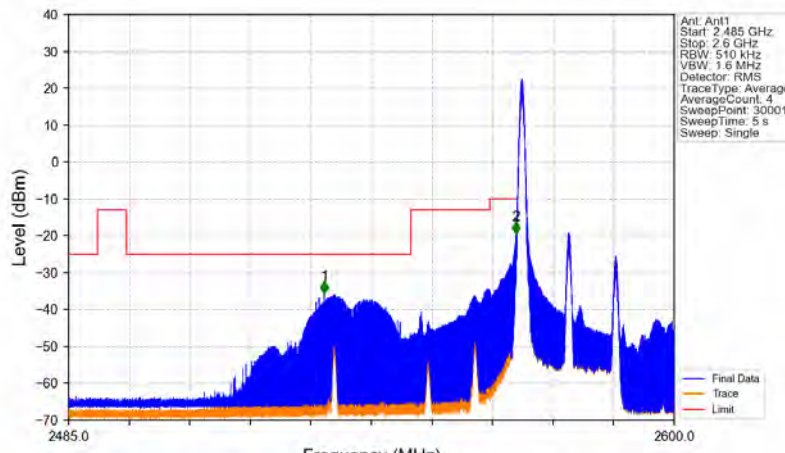
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.51	0	/	/	/	/	/
2620	2621	0.51	0	1	2620.067	-30.64	-10	Pass
2621	2630	1	2.92	2	2626.627	-34.02	-13	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	2.92	1	2533.557	-35.70	-25	Pass
2569	2570	0.554	0.36	2	2569.989	-19.84	-10	Pass
2570	2600	0.554	0.36	/	/	/	/	/



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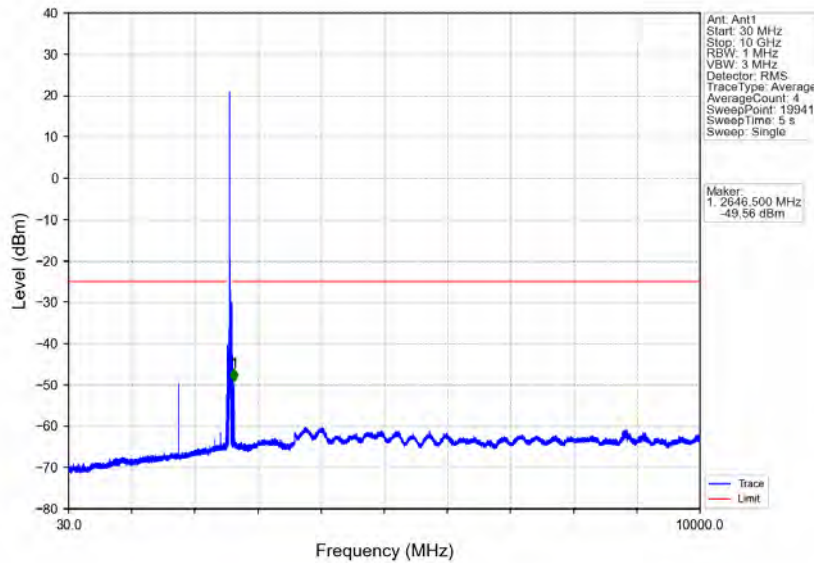
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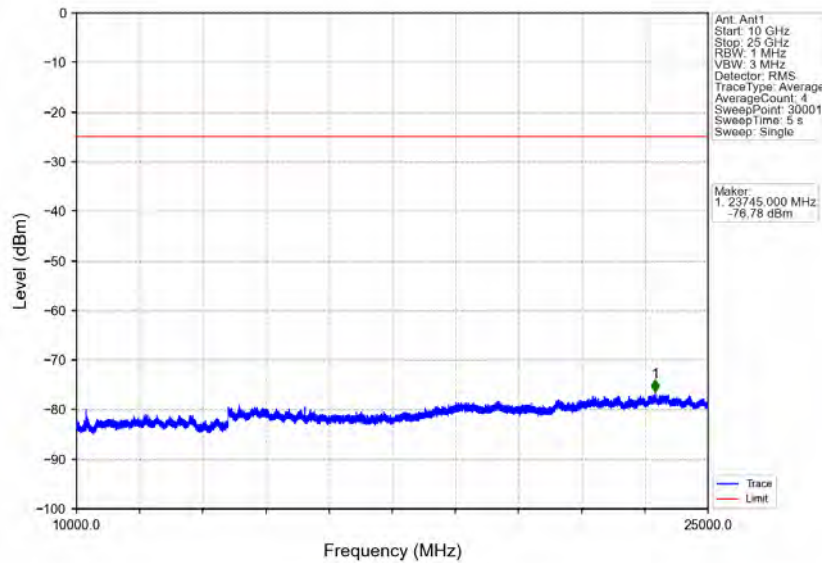
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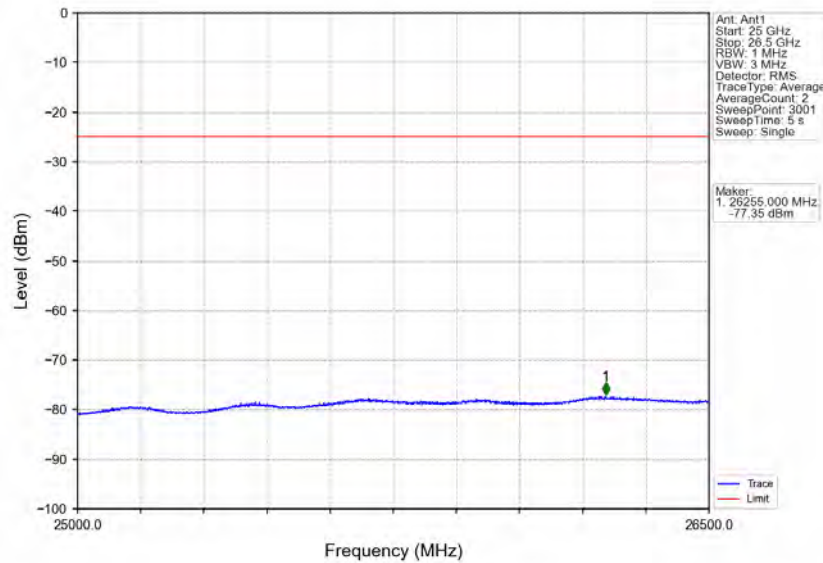
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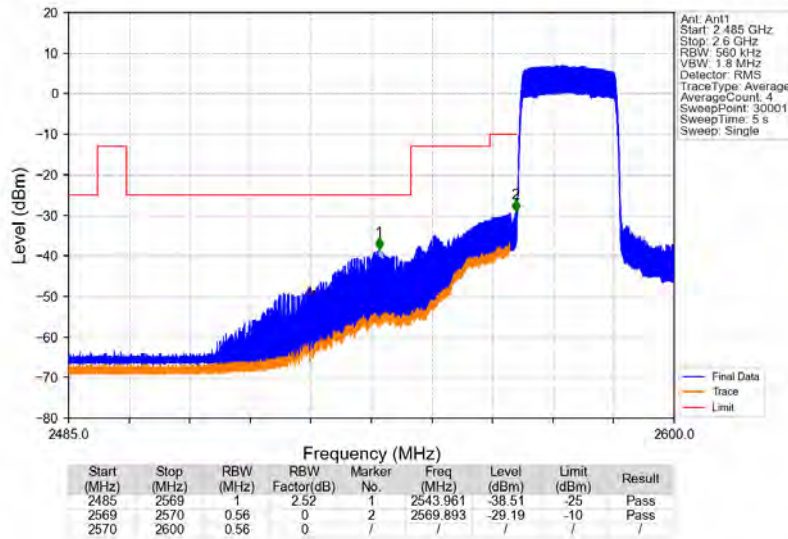
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Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



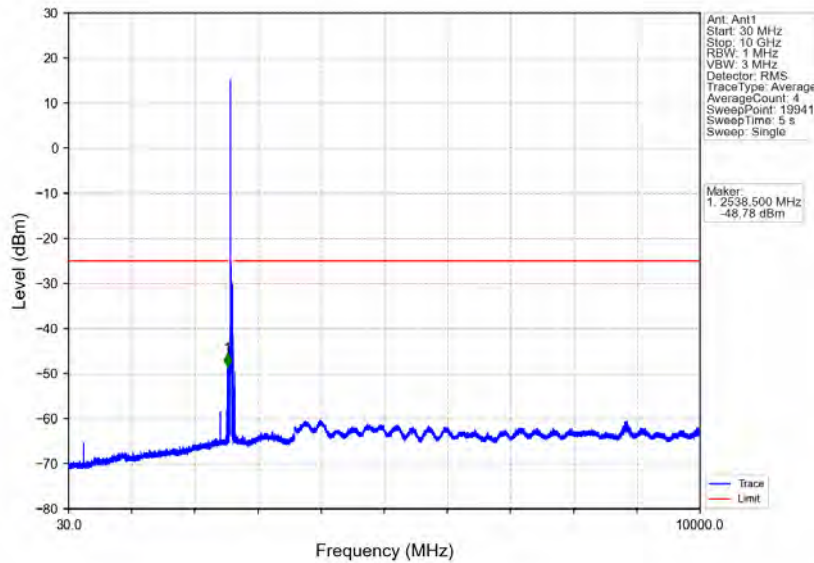
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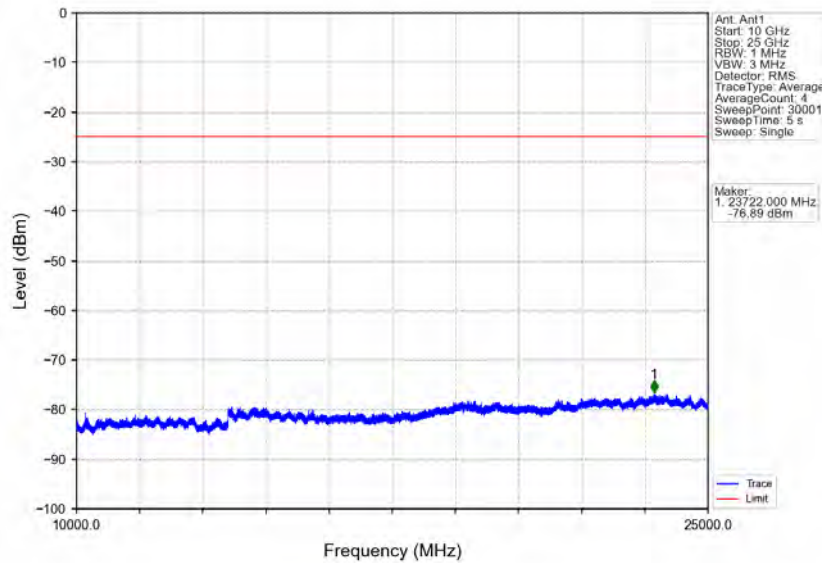
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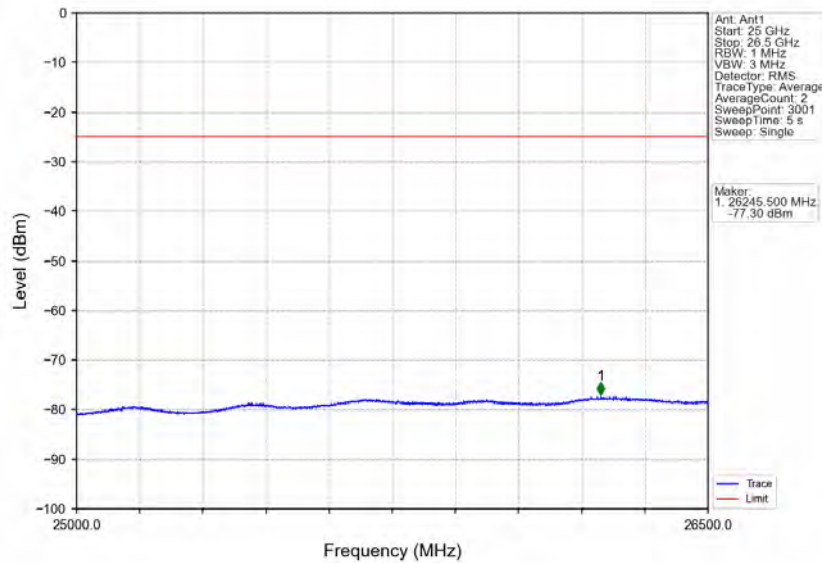
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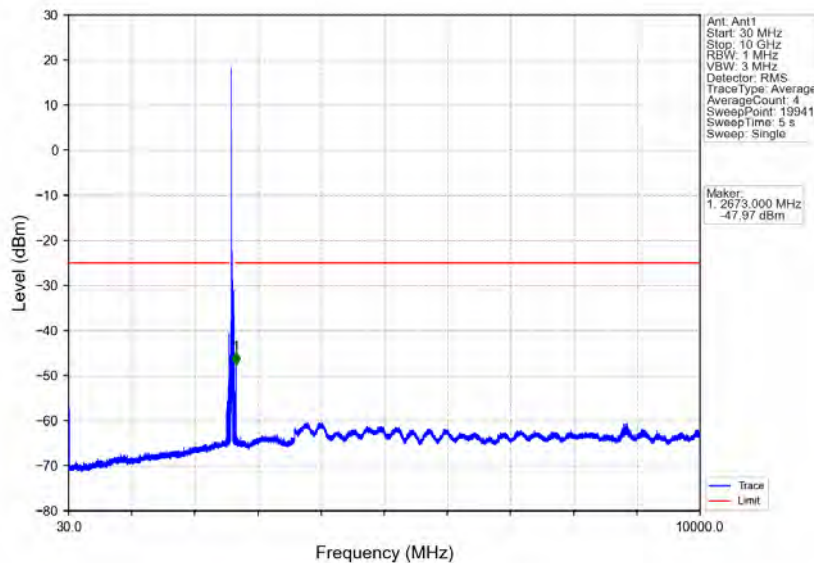
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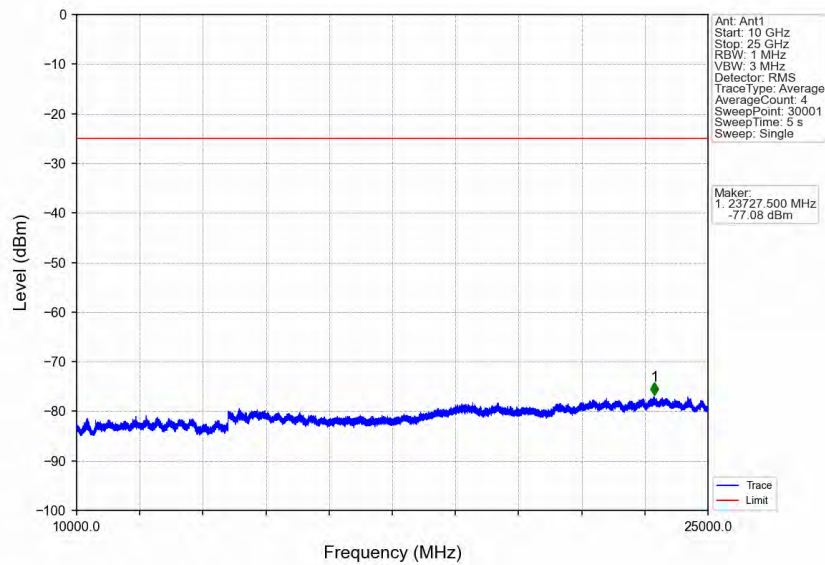
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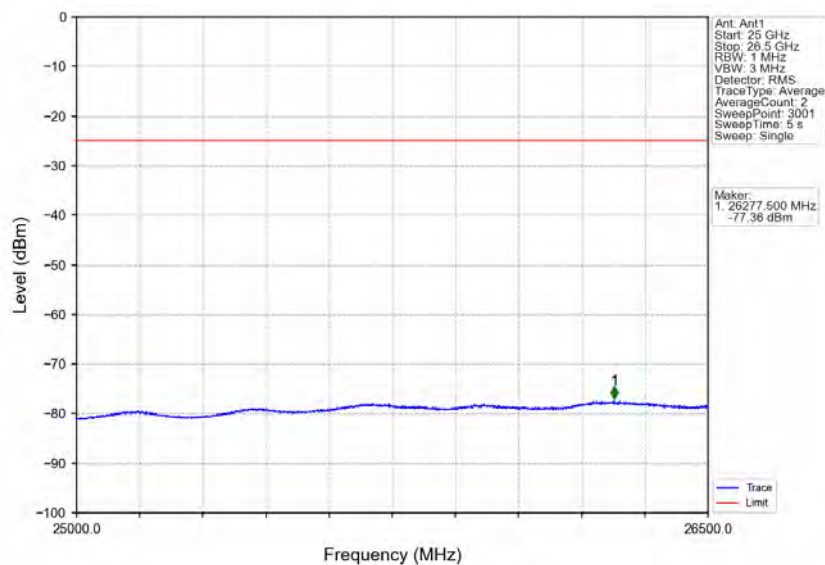
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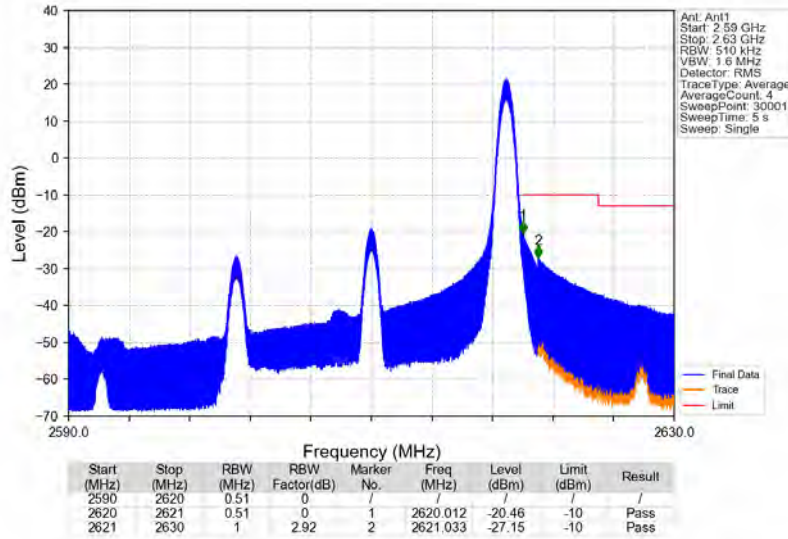


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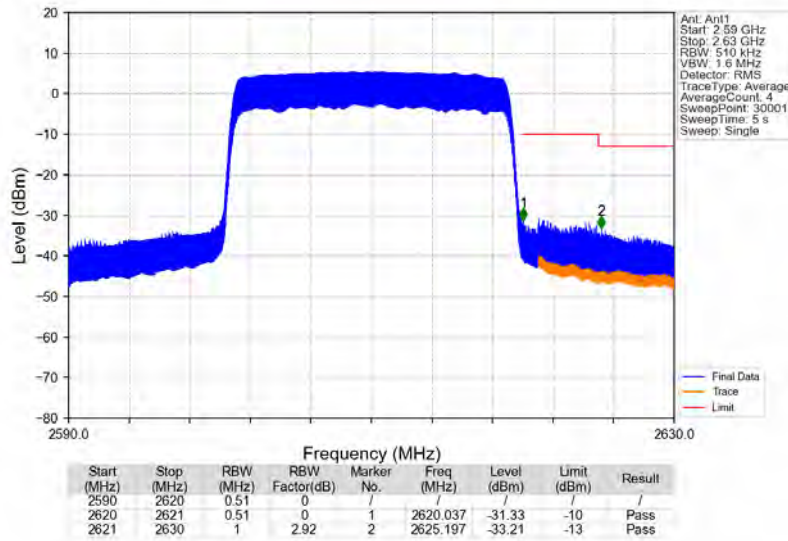
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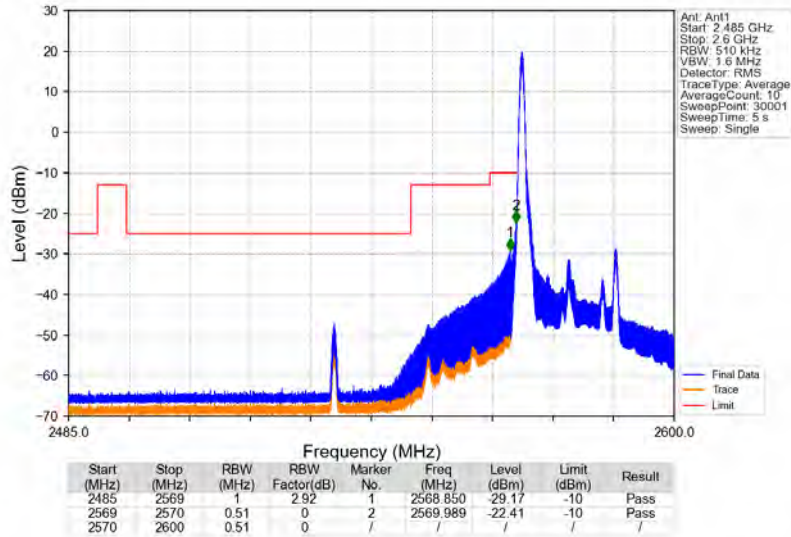
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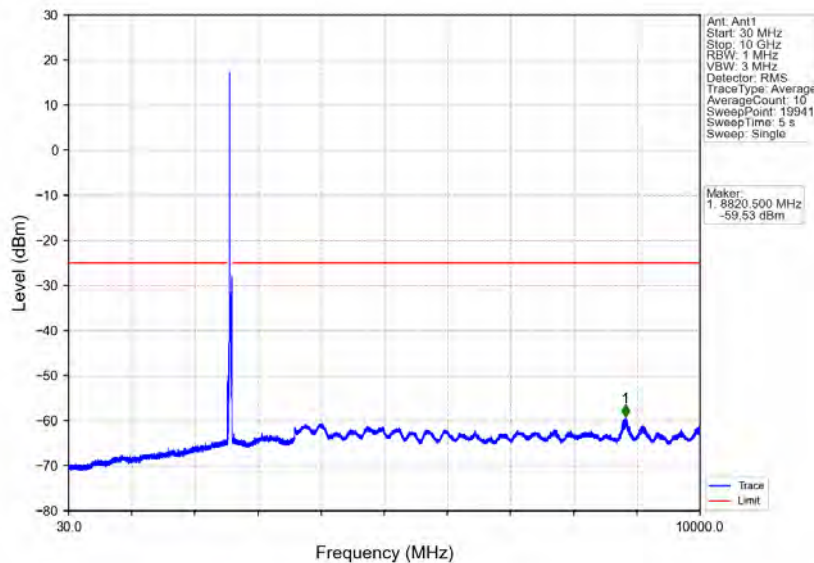
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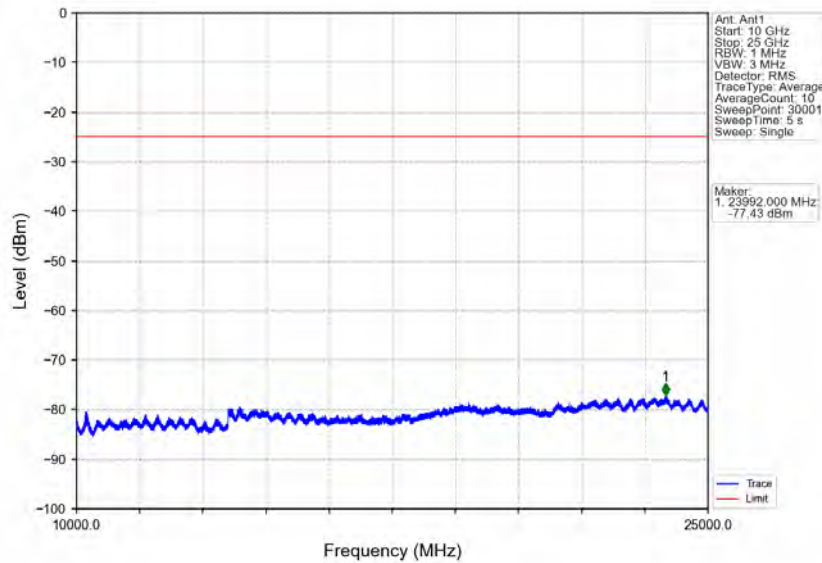
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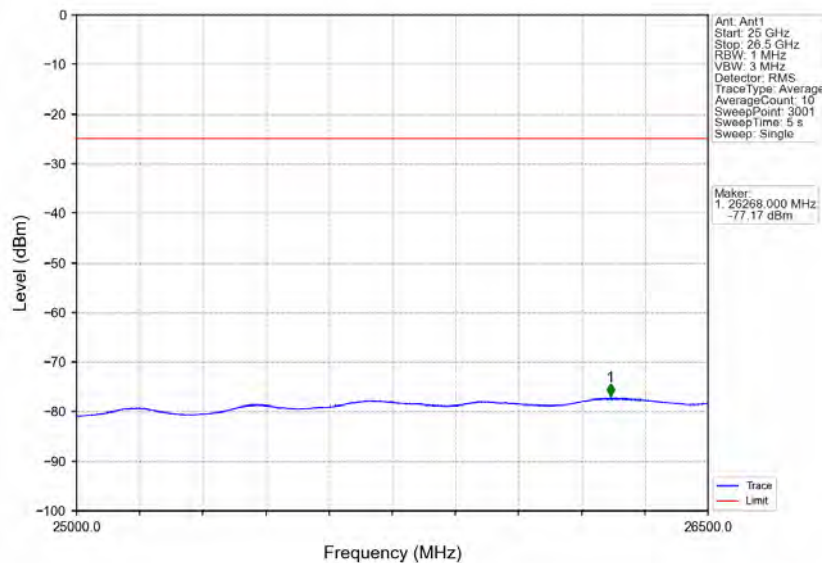
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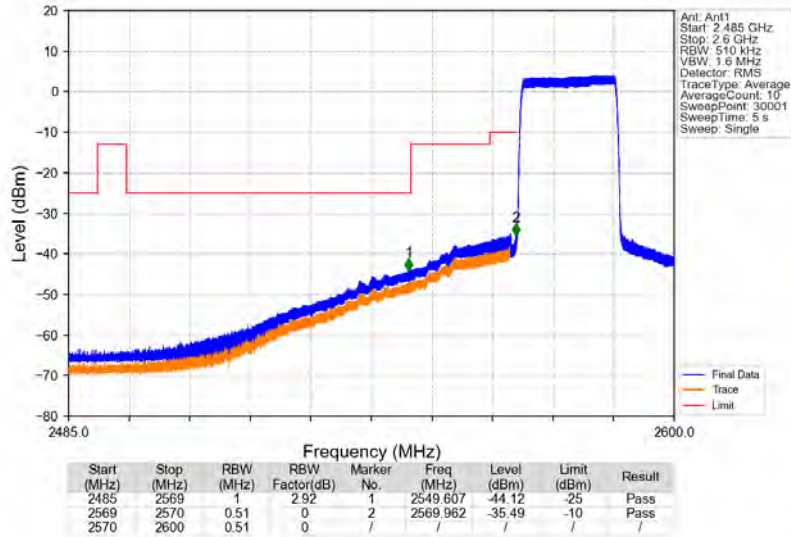
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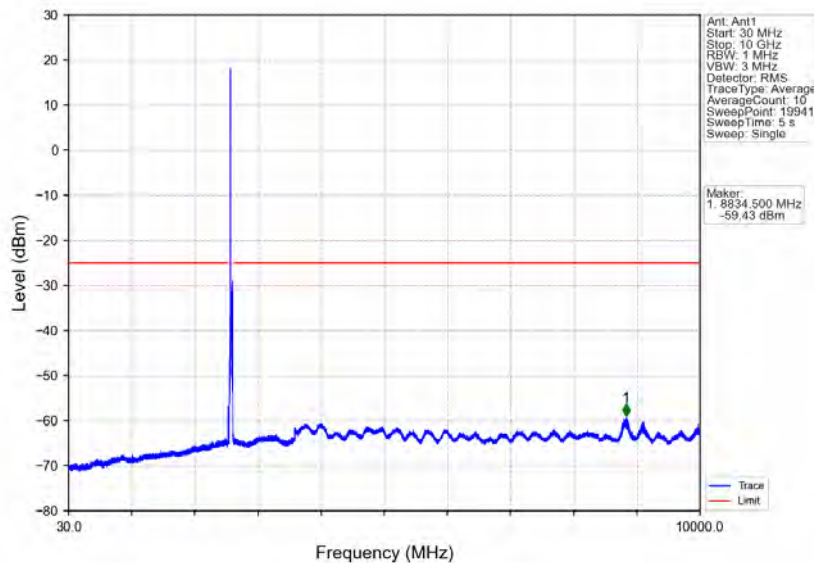
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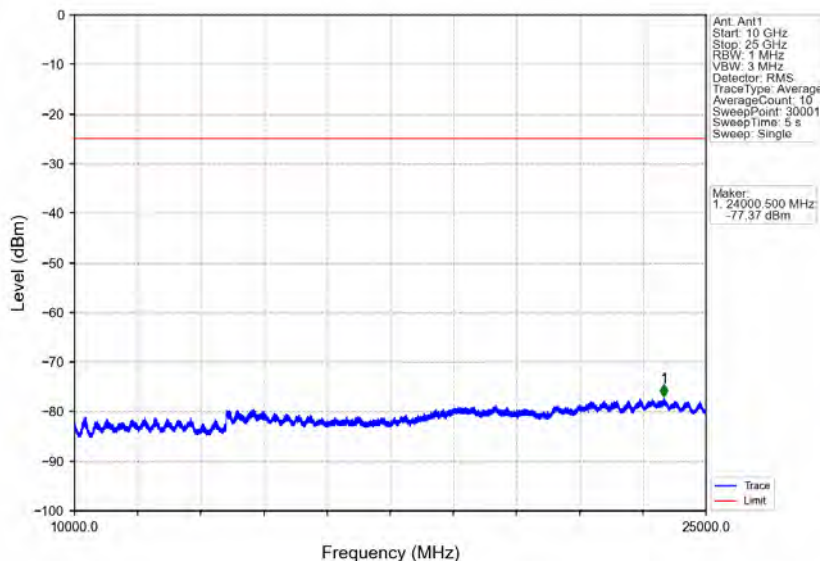
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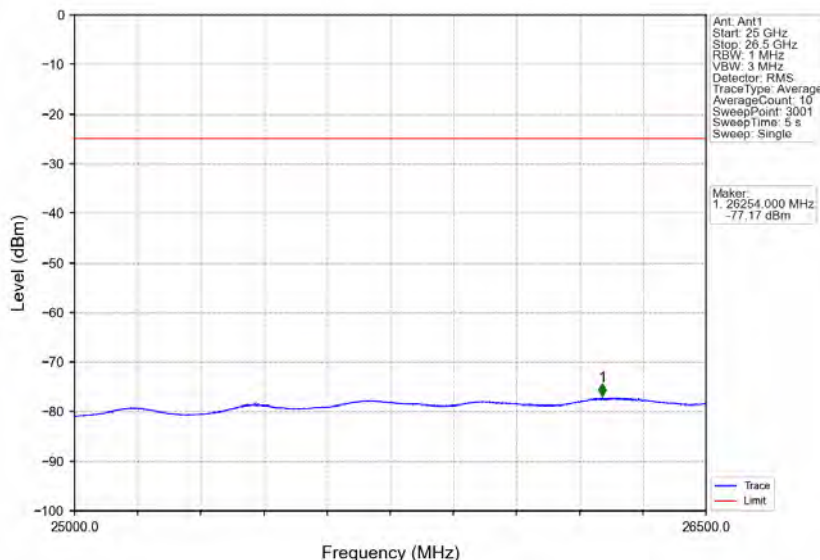
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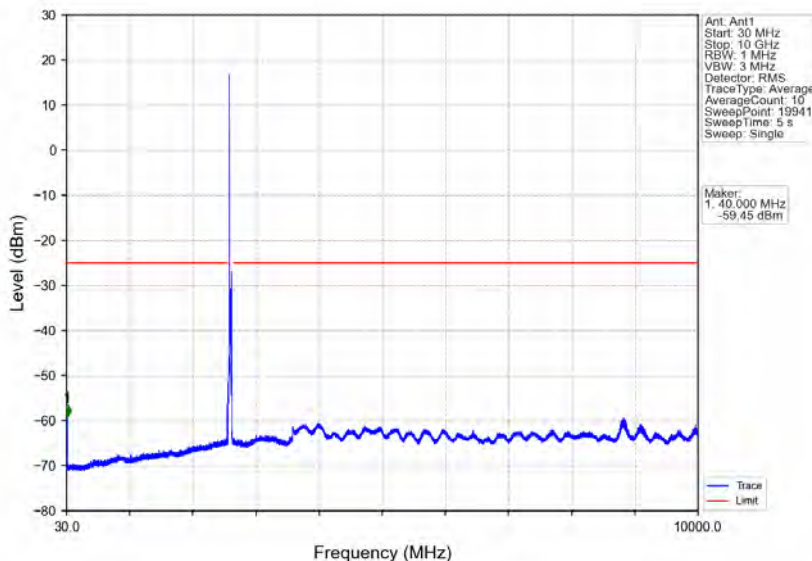


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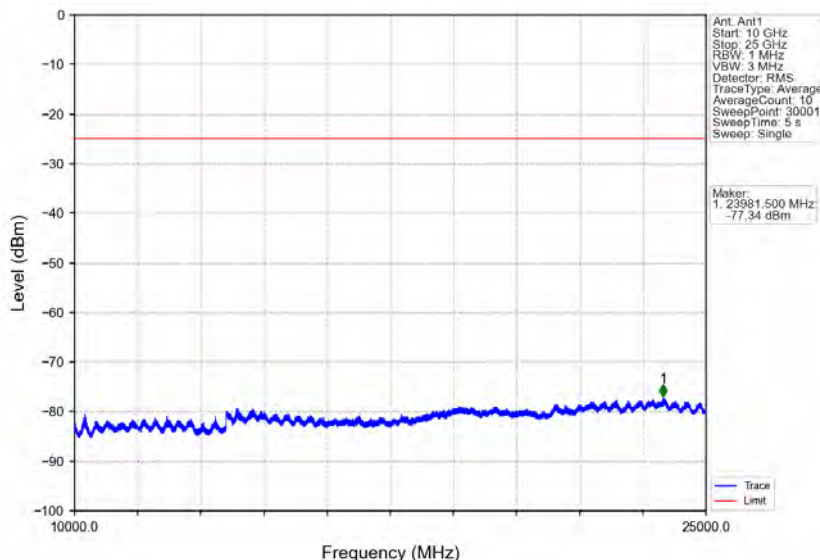
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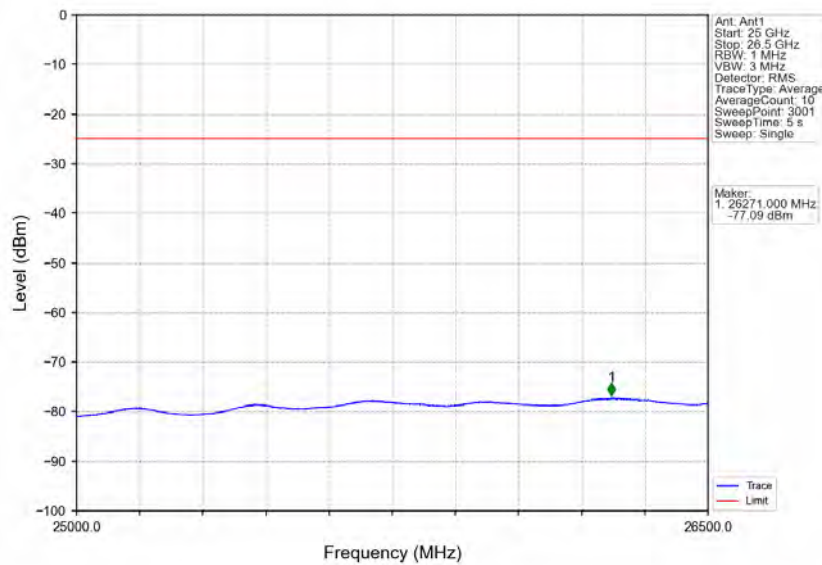


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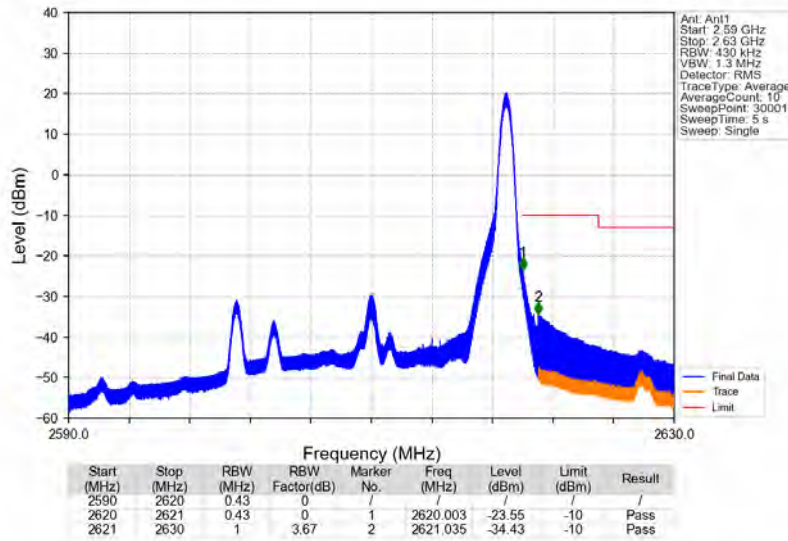
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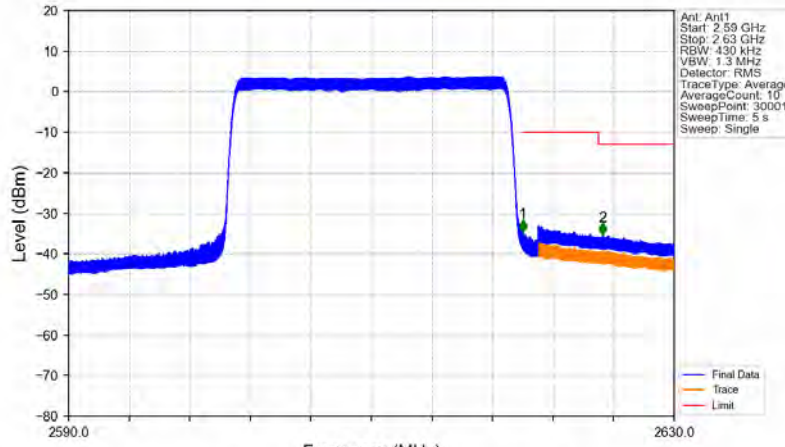
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.017	-34.59	-10	Pass
2621	2630	1	3.67	2	2625.272	-35.32	-13	Pass



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