

Appendix E for KSCR2207001105AT-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	22.24	0.38	22.62	<=33.01	Pass	
			13	22.38	0.38	22.76	<=33.01	Pass	
			24	22.28	0.38	22.66	<=33.01	Pass	
		12	0	21.35	0.38	21.73	<=33.01	Pass	
			6	21.51	0.38	21.89	<=33.01	Pass	
			13	21.40	0.38	21.78	<=33.01	Pass	
		25	0	21.49	0.38	21.87	<=33.01	Pass	
			6	22.80	0.38	23.18	<=33.01	Pass	
			13	22.87	0.38	23.25	<=33.01	Pass	
	2595	1	0	22.80	0.38	23.18	<=33.01	Pass	
			13	22.87	0.38	23.25	<=33.01	Pass	
			24	22.80	0.38	23.18	<=33.01	Pass	
		12	0	21.94	0.38	22.32	<=33.01	Pass	
			6	21.89	0.38	22.27	<=33.01	Pass	
			13	21.99	0.38	22.37	<=33.01	Pass	
		25	0	21.99	0.38	22.37	<=33.01	Pass	
			6	22.89	0.38	23.27	<=33.01	Pass	
			13	22.84	0.38	23.22	<=33.01	Pass	
	2617.5	1	0	22.89	0.38	23.27	<=33.01	Pass	
			13	22.84	0.38	23.22	<=33.01	Pass	
			24	22.69	0.38	23.07	<=33.01	Pass	
		12	0	22.01	0.38	22.39	<=33.01	Pass	
			6	22.05	0.38	22.43	<=33.01	Pass	
			13	22.00	0.38	22.38	<=33.01	Pass	
25		0	22.03	0.38	22.41	<=33.01	Pass		
		6	21.31	0.38	21.69	<=33.01	Pass		
		13	21.19	0.38	21.57	<=33.01	Pass		
16QAM	2572.5	1	0	21.31	0.38	21.69	<=33.01	Pass	
			13	21.19	0.38	21.57	<=33.01	Pass	
			24	21.57	0.38	21.95	<=33.01	Pass	
		12	0	20.36	0.38	20.74	<=33.01	Pass	
			6	20.42	0.38	20.80	<=33.01	Pass	
			13	20.39	0.38	20.77	<=33.01	Pass	
		25	0	20.37	0.38	20.75	<=33.01	Pass	
			6	21.75	0.38	22.13	<=33.01	Pass	
			13	21.66	0.38	22.04	<=33.01	Pass	
	2595	1	0	21.84	0.38	22.22	<=33.01	Pass	
			6	20.85	0.38	21.23	<=33.01	Pass	
			13	20.96	0.38	21.34	<=33.01	Pass	
		12	6	20.96	0.38	21.34	<=33.01	Pass	
			13	20.91	0.38	21.29	<=33.01	Pass	
			25	20.99	0.38	21.37	<=33.01	Pass	
		2617.5	1	0	20.99	0.38	21.37	<=33.01	Pass
				6	21.85	0.38	22.23	<=33.01	Pass
				13	22.01	0.38	22.39	<=33.01	Pass
	12		0	21.93	0.38	22.31	<=33.01	Pass	
			6	20.87	0.38	21.25	<=33.01	Pass	
			13	21.04	0.38	21.42	<=33.01	Pass	
	25		0	20.86	0.38	21.24	<=33.01	Pass	

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64QAM	2572.5	25	0	20.93	0.38	21.31	<=33.01	Pass	
			1	0	20.06	0.38	20.44	<=33.01	Pass
				13	20.16	0.38	20.54	<=33.01	Pass
		12	24	20.71	0.38	21.09	<=33.01	Pass	
			0	19.36	0.38	19.74	<=33.01	Pass	
			6	19.40	0.38	19.78	<=33.01	Pass	
		25	13	19.45	0.38	19.83	<=33.01	Pass	
			0	19.24	0.38	19.62	<=33.01	Pass	
			0	20.47	0.38	20.85	<=33.01	Pass	
	2595	1	13	21.34	0.38	21.72	<=33.01	Pass	
			24	21.20	0.38	21.58	<=33.01	Pass	
			0	19.82	0.38	20.20	<=33.01	Pass	
		12	6	19.94	0.38	20.32	<=33.01	Pass	
			13	19.86	0.38	20.24	<=33.01	Pass	
			0	19.92	0.38	20.30	<=33.01	Pass	
		2617.5	1	0	20.76	0.38	21.14	<=33.01	Pass
				13	20.72	0.38	21.10	<=33.01	Pass
				24	21.03	0.38	21.41	<=33.01	Pass
	12		0	19.98	0.38	20.36	<=33.01	Pass	
			6	20.03	0.38	20.41	<=33.01	Pass	
			13	19.90	0.38	20.28	<=33.01	Pass	
	25		0	19.97	0.38	20.35	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2575	1	0	22.43	0.38	22.81	<=33.01	Pass	
			25	22.76	0.38	23.14	<=33.01	Pass	
			49	22.49	0.38	22.87	<=33.01	Pass	
		25	0	21.43	0.38	21.81	<=33.01	Pass	
			13	21.59	0.38	21.97	<=33.01	Pass	
			25	21.54	0.38	21.92	<=33.01	Pass	
		50	0	21.59	0.38	21.97	<=33.01	Pass	
		2595	1	0	22.85	0.38	23.23	<=33.01	Pass
				25	23.19	0.38	23.57	<=33.01	Pass
	49			23.06	0.38	23.44	<=33.01	Pass	
	25		0	21.98	0.38	22.36	<=33.01	Pass	
			13	22.00	0.38	22.38	<=33.01	Pass	
			25	22.00	0.38	22.38	<=33.01	Pass	
	50		0	21.97	0.38	22.35	<=33.01	Pass	
	2615		1	0	23.06	0.38	23.44	<=33.01	Pass
				25	23.22	0.38	23.60	<=33.01	Pass
		49		22.92	0.38	23.30	<=33.01	Pass	
		25	0	22.06	0.38	22.44	<=33.01	Pass	
			13	22.16	0.38	22.54	<=33.01	Pass	
			25	22.10	0.38	22.48	<=33.01	Pass	
		50	0	22.02	0.38	22.40	<=33.01	Pass	

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16QAM	2575	1	0	21.66	0.38	22.04	<=33.01	Pass	
			25	21.84	0.38	22.22	<=33.01	Pass	
			49	21.35	0.38	21.73	<=33.01	Pass	
		25	0	20.45	0.38	20.83	<=33.01	Pass	
			13	20.61	0.38	20.99	<=33.01	Pass	
			25	20.66	0.38	21.04	<=33.01	Pass	
	50	0	20.49	0.38	20.87	<=33.01	Pass		
	2595	1	0	21.60	0.38	21.98	<=33.01	Pass	
			25	21.87	0.38	22.25	<=33.01	Pass	
			49	21.75	0.38	22.13	<=33.01	Pass	
		25	0	21.03	0.38	21.41	<=33.01	Pass	
			13	21.08	0.38	21.46	<=33.01	Pass	
			25	21.10	0.38	21.48	<=33.01	Pass	
		50	0	20.96	0.38	21.34	<=33.01	Pass	
		2615	1	0	21.94	0.38	22.32	<=33.01	Pass
				25	22.01	0.38	22.39	<=33.01	Pass
	49			21.71	0.38	22.09	<=33.01	Pass	
	25		0	21.07	0.38	21.45	<=33.01	Pass	
13			21.13	0.38	21.51	<=33.01	Pass		
25			21.09	0.38	21.47	<=33.01	Pass		
50	0	21.09	0.38	21.47	<=33.01	Pass			
64QAM	2575	1	0	20.76	0.38	21.14	<=33.01	Pass	
			25	20.98	0.38	21.36	<=33.01	Pass	
			49	20.23	0.38	20.61	<=33.01	Pass	
		25	0	19.47	0.38	19.85	<=33.01	Pass	
			13	19.54	0.38	19.92	<=33.01	Pass	
			25	19.51	0.38	19.89	<=33.01	Pass	
	50	0	19.41	0.38	19.79	<=33.01	Pass		
	2595	1	0	20.43	0.38	20.81	<=33.01	Pass	
			25	21.17	0.38	21.55	<=33.01	Pass	
			49	21.42	0.38	21.80	<=33.01	Pass	
		25	0	19.90	0.38	20.28	<=33.01	Pass	
			13	19.89	0.38	20.27	<=33.01	Pass	
			25	19.90	0.38	20.28	<=33.01	Pass	
		50	0	19.86	0.38	20.24	<=33.01	Pass	
		2615	1	0	20.77	0.38	21.15	<=33.01	Pass
				25	20.89	0.38	21.27	<=33.01	Pass
	49			20.52	0.38	20.90	<=33.01	Pass	
	25		0	20.06	0.38	20.44	<=33.01	Pass	
13			19.97	0.38	20.35	<=33.01	Pass		
25			20.03	0.38	20.41	<=33.01	Pass		
50	0	20.02	0.38	20.40	<=33.01	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.27	0.38	22.65	<=33.01	Pass



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	2595	36	38	22.54	0.38	22.92	<=33.01	Pass	
			74	22.63	0.38	23.01	<=33.01	Pass	
			0	21.51	0.38	21.89	<=33.01	Pass	
		75	1	18	21.59	0.38	21.97	<=33.01	Pass
				39	21.67	0.38	22.05	<=33.01	Pass
				0	21.49	0.38	21.87	<=33.01	Pass
		2612.5	36	0	22.70	0.38	23.08	<=33.01	Pass
				38	23.00	0.38	23.38	<=33.01	Pass
				74	22.99	0.38	23.37	<=33.01	Pass
		2577.5	1	0	21.90	0.38	22.28	<=33.01	Pass
				18	21.93	0.38	22.31	<=33.01	Pass
				39	21.99	0.38	22.37	<=33.01	Pass
	16QAM	2595	75	0	21.90	0.38	22.28	<=33.01	Pass
				0	22.91	0.38	23.29	<=33.01	Pass
				38	23.22	0.38	23.60	<=33.01	Pass
	64QAM	2577.5	1	74	22.93	0.38	23.31	<=33.01	Pass
				0	22.16	0.38	22.54	<=33.01	Pass
				36	18	22.07	0.38	22.45	<=33.01
	2595	36	39	22.11	0.38	22.49	<=33.01	Pass	
			0	22.14	0.38	22.52	<=33.01	Pass	
			1	0	21.31	0.38	21.69	<=33.01	Pass
	2612.5	1	38	21.69	0.38	22.07	<=33.01	Pass	
			74	21.34	0.38	21.72	<=33.01	Pass	
			0	20.38	0.38	20.76	<=33.01	Pass	
2577.5	36	18	20.44	0.38	20.82	<=33.01	Pass		
		39	20.66	0.38	21.04	<=33.01	Pass		
		0	20.59	0.38	20.97	<=33.01	Pass		
16QAM	2595	75	0	21.38	0.38	21.76	<=33.01	Pass	
			1	38	21.69	0.38	22.07	<=33.01	Pass
			74	21.93	0.38	22.31	<=33.01	Pass	
2612.5	1	0	20.76	0.38	21.14	<=33.01	Pass		
		36	18	20.85	0.38	21.23	<=33.01	Pass	
		39	21.04	0.38	21.42	<=33.01	Pass		
64QAM	2577.5	75	0	21.00	0.38	21.38	<=33.01	Pass	
			1	0	22.41	0.38	22.79	<=33.01	Pass
			38	21.85	0.38	22.23	<=33.01	Pass	
2595	36	74	21.89	0.38	22.27	<=33.01	Pass		
		0	21.02	0.38	21.40	<=33.01	Pass		
		36	18	21.04	0.38	21.42	<=33.01	Pass	
2577.5	1	39	21.03	0.38	21.41	<=33.01	Pass		
		0	21.09	0.38	21.47	<=33.01	Pass		
		1	0	20.59	0.38	20.97	<=33.01	Pass	
64QAM	2577.5	36	38	20.19	0.38	20.57	<=33.01	Pass	
			74	20.22	0.38	20.60	<=33.01	Pass	
			0	19.34	0.38	19.72	<=33.01	Pass	
2595	1	18	19.45	0.38	19.83	<=33.01	Pass		
		39	19.59	0.38	19.97	<=33.01	Pass		
		0	19.53	0.38	19.91	<=33.01	Pass		
2595	36	0	20.23	0.38	20.61	<=33.01	Pass		
		38	21.02	0.38	21.40	<=33.01	Pass		
		74	20.50	0.38	20.88	<=33.01	Pass		
2595	1	0	19.83	0.38	20.21	<=33.01	Pass		
		18	19.84	0.38	20.22	<=33.01	Pass		
		39	19.97	0.38	20.35	<=33.01	Pass		



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	2612.5	75	0	19.83	0.38	20.21	<=33.01	Pass
		1	0	20.81	0.38	21.19	<=33.01	Pass
			38	21.17	0.38	21.55	<=33.01	Pass
			74	20.84	0.38	21.22	<=33.01	Pass
			0	20.00	0.38	20.38	<=33.01	Pass
		36	18	20.04	0.38	20.42	<=33.01	Pass
			39	19.94	0.38	20.32	<=33.01	Pass
			75	0	19.99	0.38	20.37	<=33.01

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B38_20MHz_EIRP

1.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2580	1	0	22.24	0.38	22.62	<=33.01	Pass		
			50	22.80	0.38	23.18	<=33.01	Pass		
			99	22.49	0.38	22.87	<=33.01	Pass		
		50	0	21.43	0.38	21.81	<=33.01	Pass		
			25	21.63	0.38	22.01	<=33.01	Pass		
			50	21.77	0.38	22.15	<=33.01	Pass		
		100	0	21.54	0.38	21.92	<=33.01	Pass		
		2595	1	0	22.47	0.38	22.85	<=33.01	Pass	
				50	23.09	0.38	23.47	<=33.01	Pass	
				99	22.69	0.38	23.07	<=33.01	Pass	
			50	0	21.85	0.38	22.23	<=33.01	Pass	
				25	22.02	0.38	22.40	<=33.01	Pass	
	50			21.95	0.38	22.33	<=33.01	Pass		
	100	0	21.94	0.38	22.32	<=33.01	Pass			
	2610	1	0	22.74	0.38	23.12	<=33.01	Pass		
			50	23.20	0.38	23.58	<=33.01	Pass		
			99	22.64	0.38	23.02	<=33.01	Pass		
		50	0	22.00	0.38	22.38	<=33.01	Pass		
			25	22.15	0.38	22.53	<=33.01	Pass		
			50	22.04	0.38	22.42	<=33.01	Pass		
		100	0	22.11	0.38	22.49	<=33.01	Pass		
		16QAM	2580	1	0	21.23	0.38	21.61	<=33.01	Pass
					50	21.70	0.38	22.08	<=33.01	Pass
					99	21.59	0.38	21.97	<=33.01	Pass
50				0	20.53	0.38	20.91	<=33.01	Pass	
				25	20.66	0.38	21.04	<=33.01	Pass	
	50			20.77	0.38	21.15	<=33.01	Pass		
100	0		20.54	0.38	20.92	<=33.01	Pass			
2595	1		0	21.11	0.38	21.49	<=33.01	Pass		
			50	22.31	0.38	22.69	<=33.01	Pass		
			99	22.02	0.38	22.40	<=33.01	Pass		
	50		0	20.79	0.38	21.17	<=33.01	Pass		
			25	20.97	0.38	21.35	<=33.01	Pass		
			50	21.04	0.38	21.42	<=33.01	Pass		
	100		0	20.93	0.38	21.31	<=33.01	Pass		

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64QAM	2610	1	0	21.82	0.38	22.20	<=33.01	Pass	
			50	22.42	0.38	22.80	<=33.01	Pass	
			99	21.90	0.38	22.28	<=33.01	Pass	
		50	0	21.13	0.38	21.51	<=33.01	Pass	
			25	21.18	0.38	21.56	<=33.01	Pass	
			50	21.04	0.38	21.42	<=33.01	Pass	
	100	0	21.12	0.38	21.50	<=33.01	Pass		
	64QAM	2580	1	0	20.38	0.38	20.76	<=33.01	Pass
				50	20.49	0.38	20.87	<=33.01	Pass
				99	20.69	0.38	21.07	<=33.01	Pass
			50	0	19.49	0.38	19.87	<=33.01	Pass
				25	19.51	0.38	19.89	<=33.01	Pass
50				19.62	0.38	20.00	<=33.01	Pass	
100		0	19.61	0.38	19.99	<=33.01	Pass		
2595		1	0	20.13	0.38	20.51	<=33.01	Pass	
			50	20.64	0.38	21.02	<=33.01	Pass	
			99	20.94	0.38	21.32	<=33.01	Pass	
		50	0	19.81	0.38	20.19	<=33.01	Pass	
			25	20.02	0.38	20.40	<=33.01	Pass	
			50	19.91	0.38	20.29	<=33.01	Pass	
100		0	19.92	0.38	20.30	<=33.01	Pass		
2610		1	0	20.78	0.38	21.16	<=33.01	Pass	
			50	21.01	0.38	21.39	<=33.01	Pass	
			99	20.78	0.38	21.16	<=33.01	Pass	
		50	0	20.15	0.38	20.53	<=33.01	Pass	
	25		20.08	0.38	20.46	<=33.01	Pass		
	50		20.01	0.38	20.39	<=33.01	Pass		
100	0	20.08	0.38	20.46	<=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	3.748	0.0015	-2.5 to 2.5	Pass	
					3.80	-0.944	-0.0004	-2.5 to 2.5	Pass	
					4.37	-3.548	-0.0014	-2.5 to 2.5	Pass	
				-30	3.80	4.535	0.0018	-2.5 to 2.5	Pass	
					-20	3.80	-4.177	-0.0016	-2.5 to 2.5	Pass
						-10	3.80	-2.460	-0.0010	-2.5 to 2.5
				0	3.80	4.864	0.0019	-2.5 to 2.5	Pass	
					10	3.80	4.120	0.0016	-2.5 to 2.5	Pass
				30	3.80	-4.263	-0.0017	-2.5 to 2.5	Pass	
					40	3.80	-2.732	-0.0011	-2.5 to 2.5	Pass
				50	3.80	-2.761	-0.0011	-2.5 to 2.5	Pass	
	2595	25	0	20	3.23	3.076	0.0012	-2.5 to 2.5	Pass	

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					3.80	3.676	0.0014	-2.5 to 2.5	Pass						
					4.37	2.646	0.0010	-2.5 to 2.5	Pass						
					-30	3.80	-5.507	-0.0021	-2.5 to 2.5	Pass					
					-20	3.80	-4.120	-0.0016	-2.5 to 2.5	Pass					
					-10	3.80	-4.220	-0.0016	-2.5 to 2.5	Pass					
					0	3.80	4.134	0.0016	-2.5 to 2.5	Pass					
					10	3.80	-4.463	-0.0017	-2.5 to 2.5	Pass					
					30	3.80	-4.878	-0.0019	-2.5 to 2.5	Pass					
					40	3.80	-3.719	-0.0014	-2.5 to 2.5	Pass					
					50	3.80	3.462	0.0013	-2.5 to 2.5	Pass					
					2617.5	25	0			20	3.23	4.978	0.0019	-2.5 to 2.5	Pass
										3.80	-2.289	-0.0009	-2.5 to 2.5	Pass	
										4.37	2.975	0.0011	-2.5 to 2.5	Pass	
										-30	3.80	-2.933	-0.0011	-2.5 to 2.5	Pass
										-20	3.80	-1.173	-0.0004	-2.5 to 2.5	Pass
										-10	3.80	-5.207	-0.0020	-2.5 to 2.5	Pass
										0	3.80	6.137	0.0023	-2.5 to 2.5	Pass
										10	3.80	7.210	0.0028	-2.5 to 2.5	Pass
30	3.80	7.324	0.0028	-2.5 to 2.5						Pass					
40	3.80	4.778	0.0018	-2.5 to 2.5						Pass					
50	3.80	-2.632	-0.0010	-2.5 to 2.5	Pass										
16QAM	2572.5	25	0		20	3.23	3.376	0.0013	-2.5 to 2.5	Pass					
					3.80	4.792	0.0019	-2.5 to 2.5	Pass						
					4.37	-3.991	-0.0016	-2.5 to 2.5	Pass						
					-30	3.80	-2.532	-0.0010	-2.5 to 2.5	Pass					
					-20	3.80	4.678	0.0018	-2.5 to 2.5	Pass					
					-10	3.80	3.076	0.0012	-2.5 to 2.5	Pass					
					0	3.80	-3.734	-0.0015	-2.5 to 2.5	Pass					
					10	3.80	-1.760	-0.0007	-2.5 to 2.5	Pass					
					30	3.80	-2.732	-0.0011	-2.5 to 2.5	Pass					
					40	3.80	-3.848	-0.0015	-2.5 to 2.5	Pass					
	50	3.80	-2.475	-0.0010	-2.5 to 2.5	Pass									
	2595	25	0			20	3.23	-4.792	-0.0018	-2.5 to 2.5	Pass				
						3.80	-3.519	-0.0014	-2.5 to 2.5	Pass					
						4.37	-2.275	-0.0009	-2.5 to 2.5	Pass					
						-30	3.80	5.794	0.0022	-2.5 to 2.5	Pass				
						-20	3.80	6.437	0.0025	-2.5 to 2.5	Pass				
						-10	3.80	-0.587	-0.0002	-2.5 to 2.5	Pass				
						0	3.80	-0.544	-0.0002	-2.5 to 2.5	Pass				
10						3.80	7.210	0.0028	-2.5 to 2.5	Pass					
2617.5	25	0			20	3.23	4.005	0.0015	-2.5 to 2.5	Pass					
					3.80	-1.745	-0.0007	-2.5 to 2.5	Pass						
					4.37	3.462	0.0013	-2.5 to 2.5	Pass						
					-30	3.80	-4.005	-0.0015	-2.5 to 2.5	Pass					
					-20	3.80	1.702	0.0007	-2.5 to 2.5	Pass					
					-10	3.80	3.648	0.0014	-2.5 to 2.5	Pass					
					0	3.80	3.562	0.0014	-2.5 to 2.5	Pass					
					10	3.80	3.676	0.0014	-2.5 to 2.5	Pass					
					30	3.80	4.907	0.0019	-2.5 to 2.5	Pass					
					40	3.80	6.194	0.0024	-2.5 to 2.5	Pass					
50	3.80	5.035	0.0019	-2.5 to 2.5	Pass										

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64QAM	2572.5	25	0	20	3.23	11.330	0.0044	-2.5 to 2.5	Pass	
					3.80	19.226	0.0075	-2.5 to 2.5	Pass	
					4.37	18.783	0.0073	-2.5 to 2.5	Pass	
				-30	3.80	6.251	0.0024	-2.5 to 2.5	Pass	
					-20	3.80	14.663	0.0057	-2.5 to 2.5	Pass
						-10	3.80	3.977	0.0015	-2.5 to 2.5
				0	3.80	-0.772	-0.0003	-2.5 to 2.5	Pass	
					10	3.80	-2.847	-0.0011	-2.5 to 2.5	Pass
				30	3.80	2.689	0.0010	-2.5 to 2.5	Pass	
	40	3.80	-5.150		-0.0020	-2.5 to 2.5	Pass			
	50	3.80	4.635	0.0018	-2.5 to 2.5	Pass				
	2595	25	0	20	3.23	-8.869	-0.0034	-2.5 to 2.5	Pass	
					3.80	-0.501	-0.0002	-2.5 to 2.5	Pass	
					4.37	-10.214	-0.0039	-2.5 to 2.5	Pass	
				-30	3.80	-9.971	-0.0038	-2.5 to 2.5	Pass	
					-20	3.80	-9.513	-0.0037	-2.5 to 2.5	Pass
						-10	3.80	-5.794	-0.0022	-2.5 to 2.5
				0	3.80	-4.034	-0.0016	-2.5 to 2.5	Pass	
					10	3.80	-9.141	-0.0035	-2.5 to 2.5	Pass
				30	3.80	-2.060	-0.0008	-2.5 to 2.5	Pass	
	40	3.80	-12.631		-0.0049	-2.5 to 2.5	Pass			
	50	3.80	-3.705	-0.0014	-2.5 to 2.5	Pass				
	2617.5	25	0	20	3.23	5.951	0.0023	-2.5 to 2.5	Pass	
					3.80	-2.632	-0.0010	-2.5 to 2.5	Pass	
					4.37	-0.572	-0.0002	-2.5 to 2.5	Pass	
				-30	3.80	1.473	0.0006	-2.5 to 2.5	Pass	
					-20	3.80	5.779	0.0022	-2.5 to 2.5	Pass
-10						3.80	6.065	0.0023	-2.5 to 2.5	Pass
0				3.80	-0.415	-0.0002	-2.5 to 2.5	Pass		
				10	3.80	1.030	0.0004	-2.5 to 2.5	Pass	
30				3.80	3.090	0.0012	-2.5 to 2.5	Pass		
	40	3.80	-1.717	-0.0007	-2.5 to 2.5	Pass				
50	3.80	-0.858	-0.0003	-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	7.410	0.0029	-2.5 to 2.5	Pass	
					3.80	12.431	0.0048	-2.5 to 2.5	Pass	
					4.37	0.758	0.0003	-2.5 to 2.5	Pass	
				-30	3.80	1.888	0.0007	-2.5 to 2.5	Pass	
					-20	3.80	5.465	0.0021	-2.5 to 2.5	Pass
						-10	3.80	9.842	0.0038	-2.5 to 2.5
				0	3.80	2.518	0.0010	-2.5 to 2.5	Pass	
					10	3.80	8.926	0.0035	-2.5 to 2.5	Pass
				30	3.80	-0.529	-0.0002	-2.5 to 2.5	Pass	
					40	3.80	2.232	0.0009	-2.5 to 2.5	Pass
50	3.80	6.709	0.0026	-2.5 to 2.5	Pass					



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	2595	50	0	20	3.23	5.164	0.0020	-2.5 to 2.5	Pass		
					3.80	-0.100	0.0000	-2.5 to 2.5	Pass		
					4.37	9.184	0.0035	-2.5 to 2.5	Pass		
				-30	3.80	1.101	0.0004	-2.5 to 2.5	Pass		
					-20	3.80	9.212	0.0035	-2.5 to 2.5	Pass	
						-10	3.80	2.346	0.0009	-2.5 to 2.5	Pass
				0	3.80	6.180	0.0024	-2.5 to 2.5	Pass		
				10	3.80	-2.761	-0.0011	-2.5 to 2.5	Pass		
				30	3.80	5.407	0.0021	-2.5 to 2.5	Pass		
	40	3.80	-4.706	-0.0018	-2.5 to 2.5	Pass					
	50	3.80	-4.935	-0.0019	-2.5 to 2.5	Pass					
		2615	50	0	20	3.23	9.270	0.0035	-2.5 to 2.5	Pass	
						3.80	12.689	0.0049	-2.5 to 2.5	Pass	
						4.37	11.959	0.0046	-2.5 to 2.5	Pass	
					-30	3.80	10.943	0.0042	-2.5 to 2.5	Pass	
						-20	3.80	2.933	0.0011	-2.5 to 2.5	Pass
							-10	3.80	0.029	0.0000	-2.5 to 2.5
					0	3.80	2.189	0.0008	-2.5 to 2.5	Pass	
10					3.80	4.234	0.0016	-2.5 to 2.5	Pass		
30					3.80	1.559	0.0006	-2.5 to 2.5	Pass		
40					3.80	3.691	0.0014	-2.5 to 2.5	Pass		
50					3.80	8.740	0.0033	-2.5 to 2.5	Pass		
16QAM					2575	50	0	20	3.23	-2.003	-0.0008
	3.80	8.283	0.0032	-2.5 to 2.5					Pass		
	4.37	-1.917	-0.0007	-2.5 to 2.5					Pass		
	-30	3.80	6.981	0.0027				-2.5 to 2.5	Pass		
		-20	3.80	9.284				0.0036	-2.5 to 2.5	Pass	
			-10	3.80				2.818	0.0011	-2.5 to 2.5	Pass
	0	3.80	1.259	0.0005				-2.5 to 2.5	Pass		
	10	3.80	12.474	0.0048				-2.5 to 2.5	Pass		
	30	3.80	11.001	0.0043				-2.5 to 2.5	Pass		
	40	3.80	-0.930	-0.0004	-2.5 to 2.5	Pass					
	50	3.80	9.999	0.0039	-2.5 to 2.5	Pass					
	2595	50	0	20	3.23	-4.506	-0.0017	-2.5 to 2.5	Pass		
					3.80	6.208	0.0024	-2.5 to 2.5	Pass		
					4.37	-1.616	-0.0006	-2.5 to 2.5	Pass		
				-30	3.80	4.020	0.0015	-2.5 to 2.5	Pass		
					-20	3.80	7.010	0.0027	-2.5 to 2.5	Pass	
						-10	3.80	5.078	0.0020	-2.5 to 2.5	Pass
				0	3.80	-3.934	-0.0015	-2.5 to 2.5	Pass		
10				3.80	3.362	0.0013	-2.5 to 2.5	Pass			
30				3.80	5.865	0.0023	-2.5 to 2.5	Pass			
40	3.80	6.166	0.0024	-2.5 to 2.5	Pass						
50	3.80	6.166	0.0024	-2.5 to 2.5	Pass						
2615	50	0	20	3.23	5.264	0.0020	-2.5 to 2.5	Pass			
				3.80	2.232	0.0009	-2.5 to 2.5	Pass			
				4.37	6.223	0.0024	-2.5 to 2.5	Pass			
			-30	3.80	9.799	0.0037	-2.5 to 2.5	Pass			
				-20	3.80	4.721	0.0018	-2.5 to 2.5	Pass		
					-10	3.80	14.706	0.0056	-2.5 to 2.5	Pass	
			0	3.80	4.649	0.0018	-2.5 to 2.5	Pass			
			10	3.80	12.360	0.0047	-2.5 to 2.5	Pass			
			30	3.80	0.715	0.0003	-2.5 to 2.5	Pass			
40	3.80	2.918	0.0011	-2.5 to 2.5	Pass						

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64QAM	2575	50	0	50	3.80	10.042	0.0038	-2.5 to 2.5	Pass
				20	3.23	-10.643	-0.0041	-2.5 to 2.5	Pass
					3.80	-5.393	-0.0021	-2.5 to 2.5	Pass
					4.37	-0.644	-0.0003	-2.5 to 2.5	Pass
				-30	3.80	-1.545	-0.0006	-2.5 to 2.5	Pass
				-20	3.80	-4.878	-0.0019	-2.5 to 2.5	Pass
				-10	3.80	-5.794	-0.0023	-2.5 to 2.5	Pass
				0	3.80	-4.249	-0.0017	-2.5 to 2.5	Pass
				10	3.80	-7.324	-0.0028	-2.5 to 2.5	Pass
				30	3.80	-0.758	-0.0003	-2.5 to 2.5	Pass
	40	3.80	-4.621	-0.0018	-2.5 to 2.5	Pass			
	50	3.80	-2.418	-0.0009	-2.5 to 2.5	Pass			
	2595	50	0	20	3.23	-8.082	-0.0031	-2.5 to 2.5	Pass
					3.80	-9.685	-0.0037	-2.5 to 2.5	Pass
					4.37	-5.436	-0.0021	-2.5 to 2.5	Pass
				-30	3.80	-5.393	-0.0021	-2.5 to 2.5	Pass
				-20	3.80	-2.947	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	-6.094	-0.0023	-2.5 to 2.5	Pass
				0	3.80	-4.349	-0.0017	-2.5 to 2.5	Pass
				10	3.80	-7.381	-0.0028	-2.5 to 2.5	Pass
				30	3.80	-1.059	-0.0004	-2.5 to 2.5	Pass
				40	3.80	-3.490	-0.0013	-2.5 to 2.5	Pass
	50	3.80	-5.908	-0.0023	-2.5 to 2.5	Pass			
	2615	50	0	20	3.23	-2.947	-0.0011	-2.5 to 2.5	Pass
					3.80	-14.205	-0.0054	-2.5 to 2.5	Pass
					4.37	-1.631	-0.0006	-2.5 to 2.5	Pass
				-30	3.80	0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.80	2.961	0.0011	-2.5 to 2.5	Pass
				-10	3.80	-7.424	-0.0028	-2.5 to 2.5	Pass
				0	3.80	-5.550	-0.0021	-2.5 to 2.5	Pass
10				3.80	-6.266	-0.0024	-2.5 to 2.5	Pass	
30				3.80	-5.293	-0.0020	-2.5 to 2.5	Pass	
40				3.80	-7.267	-0.0028	-2.5 to 2.5	Pass	
50	3.80	-9.613	-0.0037	-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	
QPSK	2577.5	75	0	20	3.23	10.114	0.0039	-2.5 to 2.5	Pass
					3.80	3.076	0.0012	-2.5 to 2.5	Pass
					4.37	6.909	0.0027	-2.5 to 2.5	Pass
				-30	3.80	10.657	0.0041	-2.5 to 2.5	Pass
				-20	3.80	12.960	0.0050	-2.5 to 2.5	Pass
				-10	3.80	12.045	0.0047	-2.5 to 2.5	Pass
				0	3.80	5.364	0.0021	-2.5 to 2.5	Pass
				10	3.80	2.332	0.0009	-2.5 to 2.5	Pass
				30	3.80	2.289	0.0009	-2.5 to 2.5	Pass
				40	3.80	6.237	0.0024	-2.5 to 2.5	Pass

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	2595	75	0	50	3.80	16.050	0.0062	-2.5 to 2.5	Pass
				20	3.23	-2.117	-0.0008	-2.5 to 2.5	Pass
					3.80	3.448	0.0013	-2.5 to 2.5	Pass
					4.37	6.323	0.0024	-2.5 to 2.5	Pass
				-30	3.80	7.281	0.0028	-2.5 to 2.5	Pass
				-20	3.80	-1.674	-0.0006	-2.5 to 2.5	Pass
				-10	3.80	-3.963	-0.0015	-2.5 to 2.5	Pass
				0	3.80	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	3.80	-2.918	-0.0011	-2.5 to 2.5	Pass
				30	3.80	6.194	0.0024	-2.5 to 2.5	Pass
	40	3.80	4.950	0.0019	-2.5 to 2.5	Pass			
	50	3.80	-4.935	-0.0019	-2.5 to 2.5	Pass			
	2612.5	75	0	20	3.23	1.845	0.0007	-2.5 to 2.5	Pass
					3.80	8.626	0.0033	-2.5 to 2.5	Pass
					4.37	-3.018	-0.0012	-2.5 to 2.5	Pass
				-30	3.80	4.649	0.0018	-2.5 to 2.5	Pass
				-20	3.80	13.375	0.0051	-2.5 to 2.5	Pass
				-10	3.80	3.533	0.0014	-2.5 to 2.5	Pass
				0	3.80	0.701	0.0003	-2.5 to 2.5	Pass
				10	3.80	-1.688	-0.0006	-2.5 to 2.5	Pass
30				3.80	-2.818	-0.0011	-2.5 to 2.5	Pass	
40				3.80	9.499	0.0036	-2.5 to 2.5	Pass	
50	3.80	11.258	0.0043	-2.5 to 2.5	Pass				
16QAM	2577.5	75	0	20	3.23	2.775	0.0011	-2.5 to 2.5	Pass
					3.80	4.864	0.0019	-2.5 to 2.5	Pass
					4.37	4.635	0.0018	-2.5 to 2.5	Pass
				-30	3.80	9.942	0.0039	-2.5 to 2.5	Pass
				-20	3.80	2.089	0.0008	-2.5 to 2.5	Pass
				-10	3.80	5.765	0.0022	-2.5 to 2.5	Pass
				0	3.80	15.736	0.0061	-2.5 to 2.5	Pass
				10	3.80	7.367	0.0029	-2.5 to 2.5	Pass
				30	3.80	11.315	0.0044	-2.5 to 2.5	Pass
				40	3.80	-0.687	-0.0003	-2.5 to 2.5	Pass
	50	3.80	8.826	0.0034	-2.5 to 2.5	Pass			
	2595	75	0	20	3.23	4.706	0.0018	-2.5 to 2.5	Pass
					3.80	4.978	0.0019	-2.5 to 2.5	Pass
					4.37	-4.964	-0.0019	-2.5 to 2.5	Pass
				-30	3.80	4.320	0.0017	-2.5 to 2.5	Pass
				-20	3.80	-2.346	-0.0009	-2.5 to 2.5	Pass
				-10	3.80	-5.708	-0.0022	-2.5 to 2.5	Pass
				0	3.80	-0.830	-0.0003	-2.5 to 2.5	Pass
				10	3.80	7.510	0.0029	-2.5 to 2.5	Pass
				30	3.80	7.482	0.0029	-2.5 to 2.5	Pass
40				3.80	2.818	0.0011	-2.5 to 2.5	Pass	
50	3.80	2.761	0.0011	-2.5 to 2.5	Pass				
2612.5	75	0	20	3.23	0.973	0.0004	-2.5 to 2.5	Pass	
				3.80	0.472	0.0002	-2.5 to 2.5	Pass	
				4.37	8.926	0.0034	-2.5 to 2.5	Pass	
			-30	3.80	8.297	0.0032	-2.5 to 2.5	Pass	
			-20	3.80	0.315	0.0001	-2.5 to 2.5	Pass	
			-10	3.80	12.174	0.0047	-2.5 to 2.5	Pass	
			0	3.80	9.642	0.0037	-2.5 to 2.5	Pass	
			10	3.80	13.261	0.0051	-2.5 to 2.5	Pass	
30	3.80	11.530	0.0044	-2.5 to 2.5	Pass				

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64QAM	2577.5	75	0	40	3.80	1.130	0.0004	-2.5 to 2.5	Pass
				50	3.80	4.220	0.0016	-2.5 to 2.5	Pass
				20	3.23	-4.292	-0.0017	-2.5 to 2.5	Pass
					3.80	-14.949	-0.0058	-2.5 to 2.5	Pass
					4.37	-8.841	-0.0034	-2.5 to 2.5	Pass
				-30	3.80	-13.046	-0.0051	-2.5 to 2.5	Pass
				-20	3.80	-9.127	-0.0035	-2.5 to 2.5	Pass
				-10	3.80	-4.821	-0.0019	-2.5 to 2.5	Pass
				0	3.80	-14.033	-0.0054	-2.5 to 2.5	Pass
				10	3.80	-11.401	-0.0044	-2.5 to 2.5	Pass
	30	3.80	-7.811	-0.0030	-2.5 to 2.5	Pass			
	40	3.80	-12.875	-0.0050	-2.5 to 2.5	Pass			
	50	3.80	-8.211	-0.0032	-2.5 to 2.5	Pass			
	2595	75	0	20	3.23	-11.859	-0.0046	-2.5 to 2.5	Pass
					3.80	0.043	0.0000	-2.5 to 2.5	Pass
					4.37	-12.474	-0.0048	-2.5 to 2.5	Pass
				-30	3.80	-3.777	-0.0015	-2.5 to 2.5	Pass
				-20	3.80	-13.261	-0.0051	-2.5 to 2.5	Pass
				-10	3.80	-6.652	-0.0026	-2.5 to 2.5	Pass
				0	3.80	-6.351	-0.0024	-2.5 to 2.5	Pass
				10	3.80	-6.938	-0.0027	-2.5 to 2.5	Pass
				30	3.80	-4.892	-0.0019	-2.5 to 2.5	Pass
				40	3.80	-12.660	-0.0049	-2.5 to 2.5	Pass
	50	3.80	-5.851	-0.0023	-2.5 to 2.5	Pass			
	2612.5	75	0	20	3.23	-4.520	-0.0017	-2.5 to 2.5	Pass
					3.80	-11.001	-0.0042	-2.5 to 2.5	Pass
					4.37	-5.922	-0.0023	-2.5 to 2.5	Pass
				-30	3.80	-8.426	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	-7.367	-0.0028	-2.5 to 2.5	Pass
				-10	3.80	-2.832	-0.0011	-2.5 to 2.5	Pass
0				3.80	-16.136	-0.0062	-2.5 to 2.5	Pass	
10				3.80	-11.830	-0.0045	-2.5 to 2.5	Pass	
30				3.80	-8.097	-0.0031	-2.5 to 2.5	Pass	
40				3.80	-13.361	-0.0051	-2.5 to 2.5	Pass	
50	3.80	-9.284	-0.0036	-2.5 to 2.5	Pass				

2.4 B38_20MHz

2.4.1 Test Result

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	3.633	0.0014	-2.5 to 2.5	Pass
					3.80	7.310	0.0028	-2.5 to 2.5	Pass
					4.37	5.894	0.0023	-2.5 to 2.5	Pass
				-30	3.80	-2.775	-0.0011	-2.5 to 2.5	Pass
				-20	3.80	3.290	0.0013	-2.5 to 2.5	Pass
				-10	3.80	5.078	0.0020	-2.5 to 2.5	Pass
				0	3.80	5.379	0.0021	-2.5 to 2.5	Pass
				10	3.80	-4.220	-0.0016	-2.5 to 2.5	Pass
				30	3.80	5.922	0.0023	-2.5 to 2.5	Pass

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	2595	100	0	40	3.80	-1.488	-0.0006	-2.5 to 2.5	Pass
				50	3.80	5.922	0.0023	-2.5 to 2.5	Pass
				20	3.23	4.921	0.0019	-2.5 to 2.5	Pass
					3.80	-3.519	-0.0014	-2.5 to 2.5	Pass
					4.37	-2.203	-0.0008	-2.5 to 2.5	Pass
				-30	3.80	4.249	0.0016	-2.5 to 2.5	Pass
				-20	3.80	2.346	0.0009	-2.5 to 2.5	Pass
				-10	3.80	7.854	0.0030	-2.5 to 2.5	Pass
				0	3.80	-1.473	-0.0006	-2.5 to 2.5	Pass
				10	3.80	-6.366	-0.0025	-2.5 to 2.5	Pass
	30	3.80	5.465	0.0021	-2.5 to 2.5	Pass			
	40	3.80	4.635	0.0018	-2.5 to 2.5	Pass			
	50	3.80	7.410	0.0029	-2.5 to 2.5	Pass			
	2610	100	0	20	3.23	4.992	0.0019	-2.5 to 2.5	Pass
					3.80	4.935	0.0019	-2.5 to 2.5	Pass
					4.37	2.260	0.0009	-2.5 to 2.5	Pass
				-30	3.80	-3.963	-0.0015	-2.5 to 2.5	Pass
				-20	3.80	-2.818	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	6.108	0.0023	-2.5 to 2.5	Pass
				0	3.80	-0.501	-0.0002	-2.5 to 2.5	Pass
10				3.80	3.047	0.0012	-2.5 to 2.5	Pass	
30				3.80	4.621	0.0018	-2.5 to 2.5	Pass	
40				3.80	6.652	0.0025	-2.5 to 2.5	Pass	
50	3.80	-6.452	-0.0025	-2.5 to 2.5	Pass				
16QAM	2580	100	0	20	3.23	5.722	0.0022	-2.5 to 2.5	Pass
					3.80	4.849	0.0019	-2.5 to 2.5	Pass
					4.37	-2.933	-0.0011	-2.5 to 2.5	Pass
				-30	3.80	4.363	0.0017	-2.5 to 2.5	Pass
				-20	3.80	6.824	0.0026	-2.5 to 2.5	Pass
				-10	3.80	-1.402	-0.0005	-2.5 to 2.5	Pass
				0	3.80	5.178	0.0020	-2.5 to 2.5	Pass
				10	3.80	-0.873	-0.0003	-2.5 to 2.5	Pass
				30	3.80	-3.090	-0.0012	-2.5 to 2.5	Pass
				40	3.80	6.108	0.0024	-2.5 to 2.5	Pass
	50	3.80	5.250	0.0020	-2.5 to 2.5	Pass			
	2595	100	0	20	3.23	0.315	0.0001	-2.5 to 2.5	Pass
					3.80	7.410	0.0029	-2.5 to 2.5	Pass
					4.37	0.644	0.0002	-2.5 to 2.5	Pass
				-30	3.80	-2.217	-0.0009	-2.5 to 2.5	Pass
				-20	3.80	-5.279	-0.0020	-2.5 to 2.5	Pass
				-10	3.80	-3.033	-0.0012	-2.5 to 2.5	Pass
				0	3.80	6.151	0.0024	-2.5 to 2.5	Pass
				10	3.80	-0.715	-0.0003	-2.5 to 2.5	Pass
				30	3.80	-5.622	-0.0022	-2.5 to 2.5	Pass
40				3.80	-6.294	-0.0024	-2.5 to 2.5	Pass	
50	3.80	5.822	0.0022	-2.5 to 2.5	Pass				
2610	100	0	20	3.23	4.878	0.0019	-2.5 to 2.5	Pass	
				3.80	-1.903	-0.0007	-2.5 to 2.5	Pass	
				4.37	5.808	0.0022	-2.5 to 2.5	Pass	
			-30	3.80	8.483	0.0033	-2.5 to 2.5	Pass	
			-20	3.80	6.037	0.0023	-2.5 to 2.5	Pass	
			-10	3.80	4.721	0.0018	-2.5 to 2.5	Pass	
			0	3.80	4.234	0.0016	-2.5 to 2.5	Pass	
			10	3.80	6.094	0.0023	-2.5 to 2.5	Pass	

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				30	3.80	7.138	0.0027	-2.5 to 2.5	Pass
				40	3.80	-3.405	-0.0013	-2.5 to 2.5	Pass
				50	3.80	3.347	0.0013	-2.5 to 2.5	Pass
64QAM	2580	100	0	20	3.23	-8.440	-0.0033	-2.5 to 2.5	Pass
					3.80	-1.016	-0.0004	-2.5 to 2.5	Pass
					4.37	-3.805	-0.0015	-2.5 to 2.5	Pass
				-30	3.80	-5.136	-0.0020	-2.5 to 2.5	Pass
				-20	3.80	-10.099	-0.0039	-2.5 to 2.5	Pass
				-10	3.80	-9.441	-0.0037	-2.5 to 2.5	Pass
				0	3.80	-9.184	-0.0036	-2.5 to 2.5	Pass
				10	3.80	-4.935	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-7.968	-0.0031	-2.5 to 2.5	Pass
				40	3.80	-5.450	-0.0021	-2.5 to 2.5	Pass
	50	3.80	-9.284	-0.0036	-2.5 to 2.5	Pass			
	2595	100	0	20	3.23	2.403	0.0009	-2.5 to 2.5	Pass
					3.80	-6.552	-0.0025	-2.5 to 2.5	Pass
					4.37	-5.293	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	-9.370	-0.0036	-2.5 to 2.5	Pass
				-20	3.80	-1.488	-0.0006	-2.5 to 2.5	Pass
				-10	3.80	-5.736	-0.0022	-2.5 to 2.5	Pass
				0	3.80	-4.377	-0.0017	-2.5 to 2.5	Pass
				10	3.80	-9.542	-0.0037	-2.5 to 2.5	Pass
				30	3.80	-5.150	-0.0020	-2.5 to 2.5	Pass
				40	3.80	-7.467	-0.0029	-2.5 to 2.5	Pass
	50	3.80	-8.969	-0.0035	-2.5 to 2.5	Pass			
	2610	100	0	20	3.23	-4.163	-0.0016	-2.5 to 2.5	Pass
					3.80	-7.825	-0.0030	-2.5 to 2.5	Pass
					4.37	-8.311	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	-12.059	-0.0046	-2.5 to 2.5	Pass
				-20	3.80	-2.918	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	-10.943	-0.0042	-2.5 to 2.5	Pass
				0	3.80	-11.888	-0.0046	-2.5 to 2.5	Pass
				10	3.80	-4.420	-0.0017	-2.5 to 2.5	Pass
30				3.80	-1.831	-0.0007	-2.5 to 2.5	Pass	
40				3.80	-9.570	-0.0037	-2.5 to 2.5	Pass	
50	3.80	-5.207	-0.0020	-2.5 to 2.5	Pass				

3. Modulation Characteristics

3.1 B38_5MHz

3.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
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



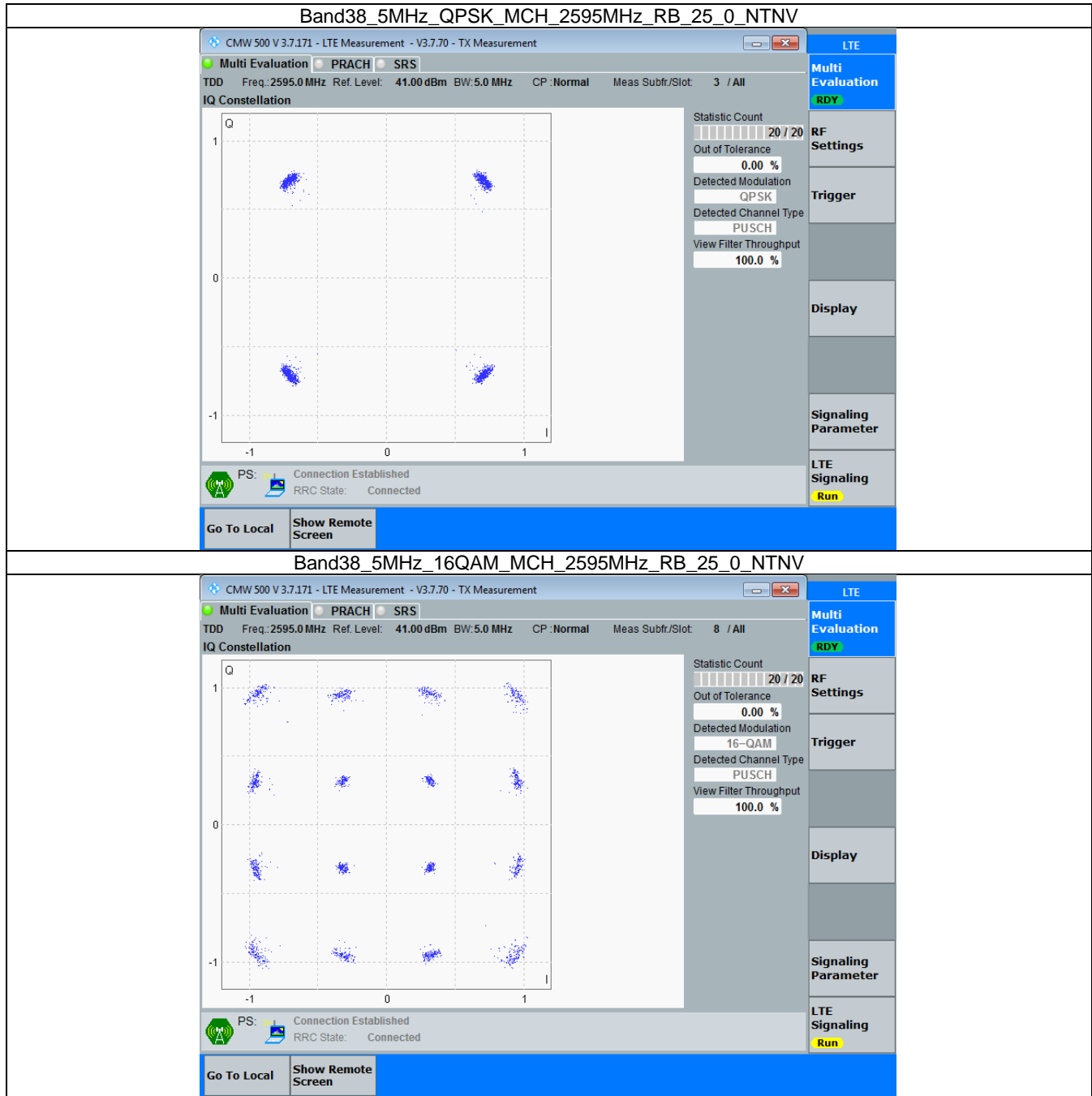
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3.1.2 Test Graph

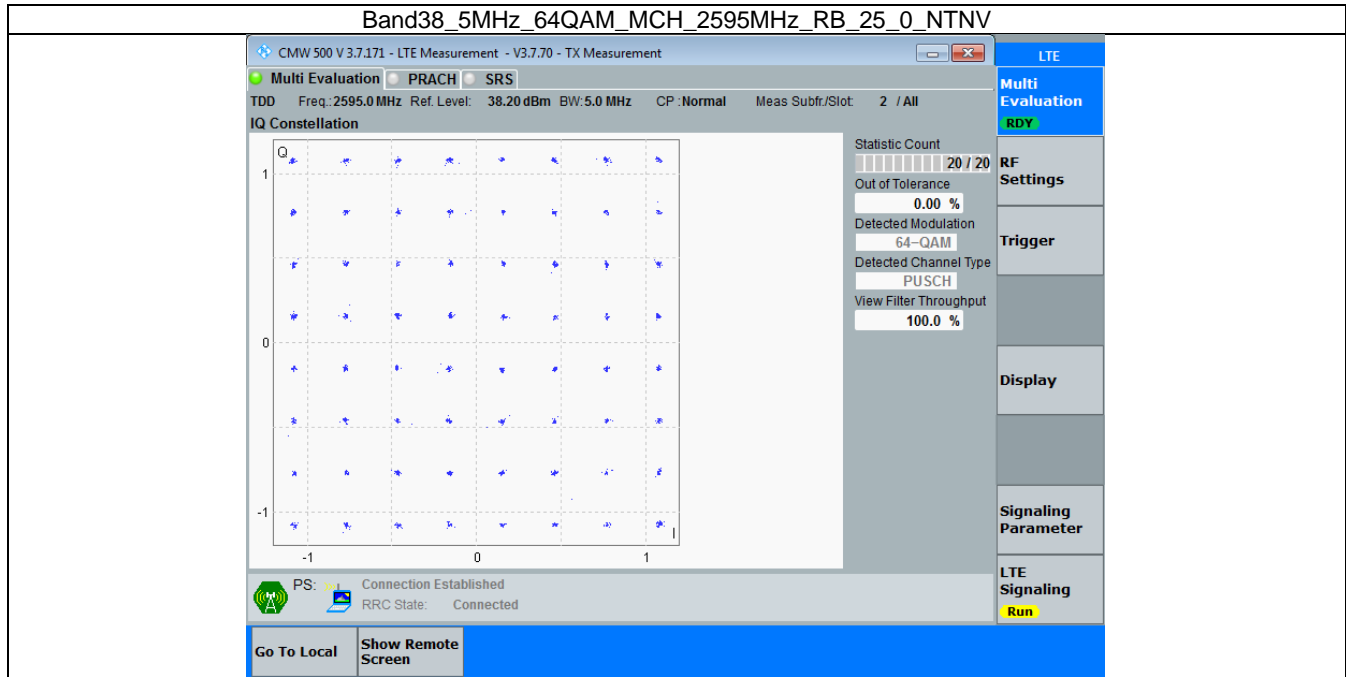


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3.2 B38_10MHz

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



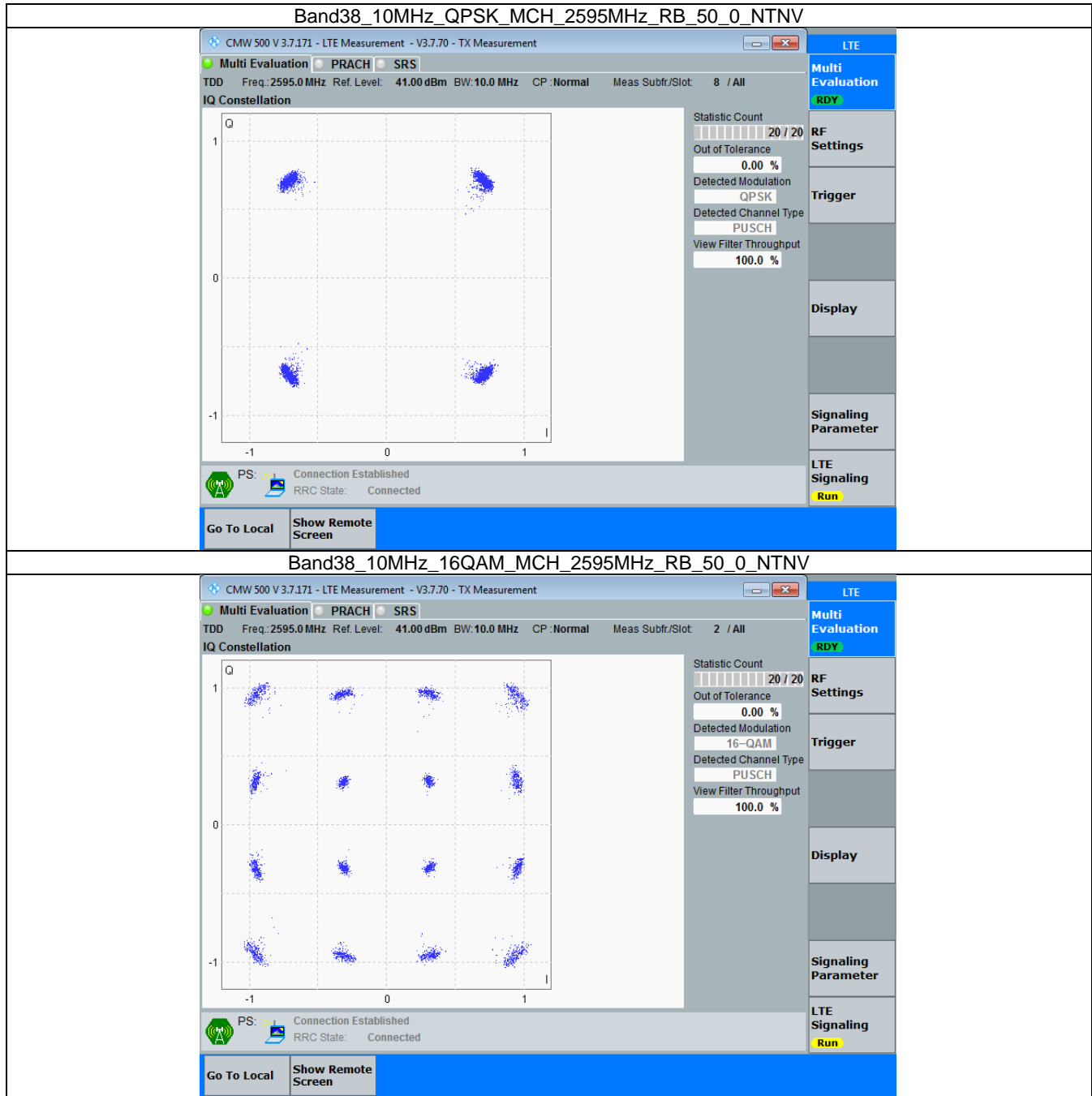
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3.2.2 Test Graph

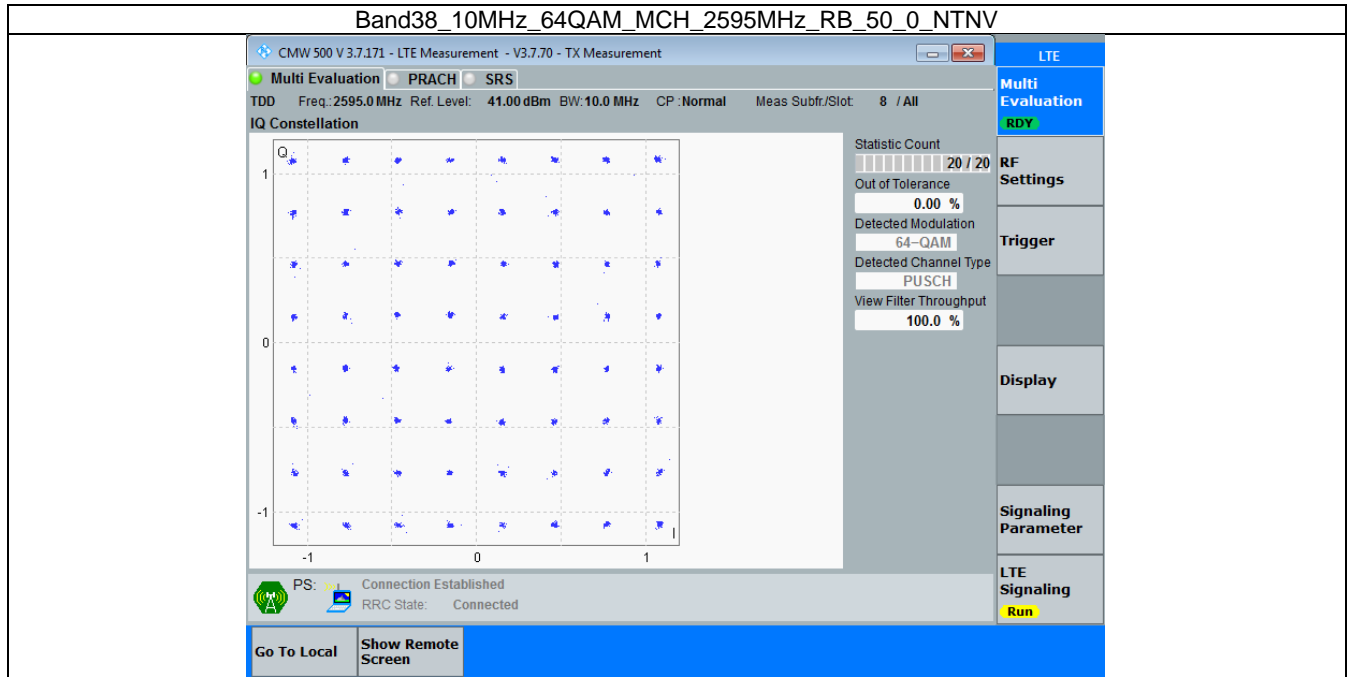


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3.3 B38_15MHz

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



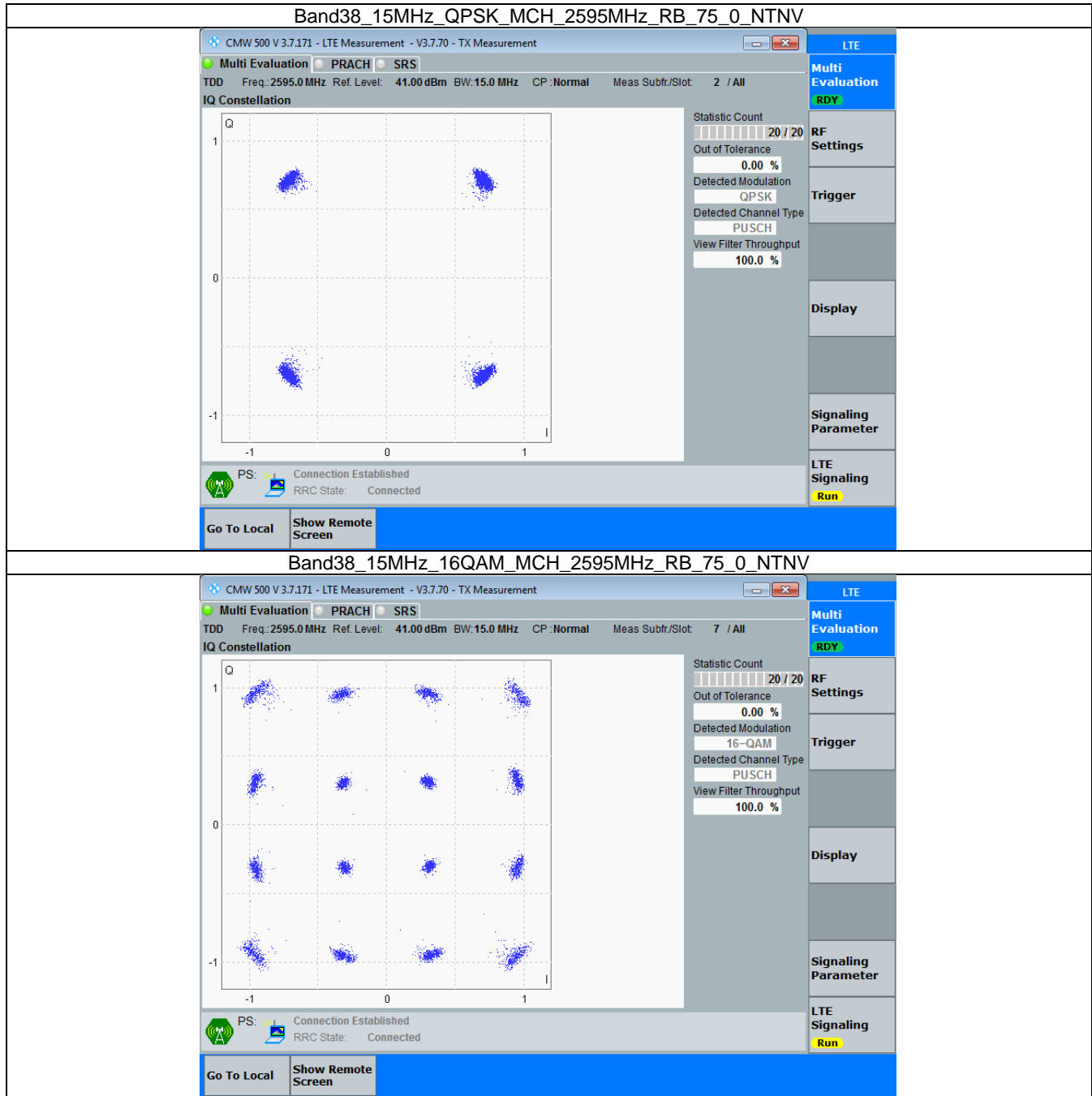
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3.3.2 Test Graph

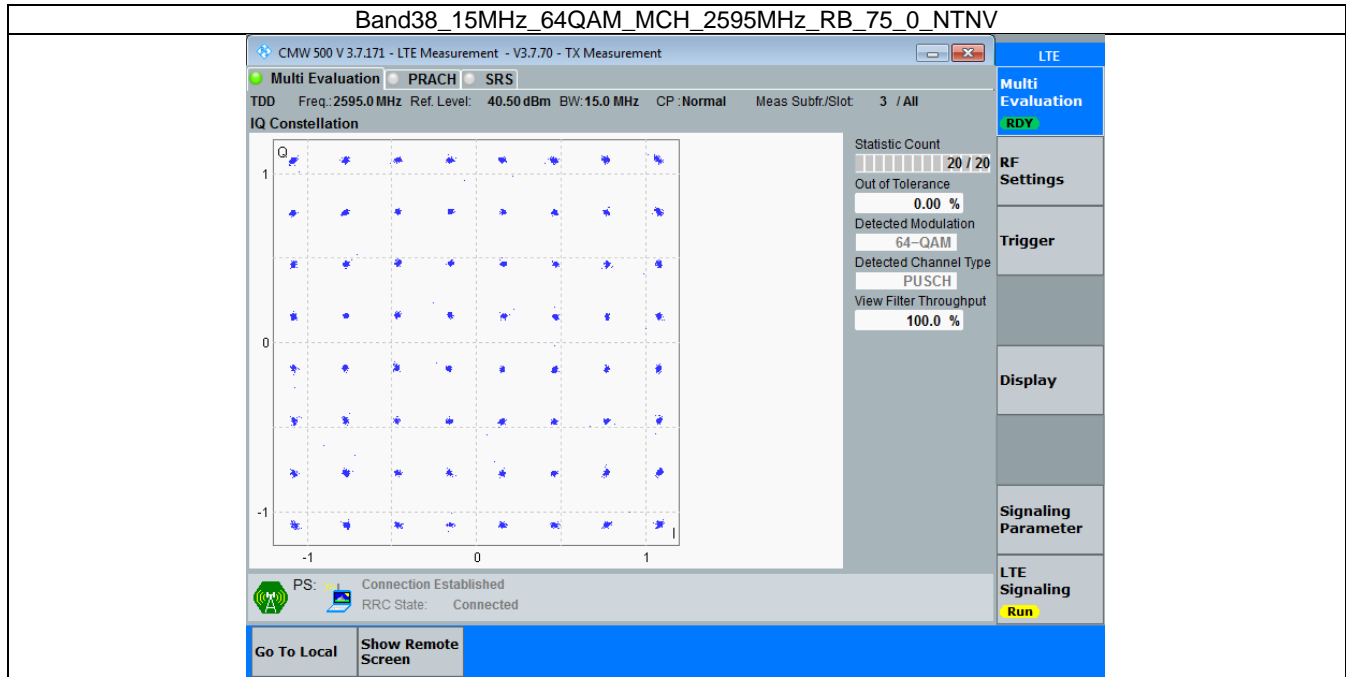


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3.4 B38_20MHz

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



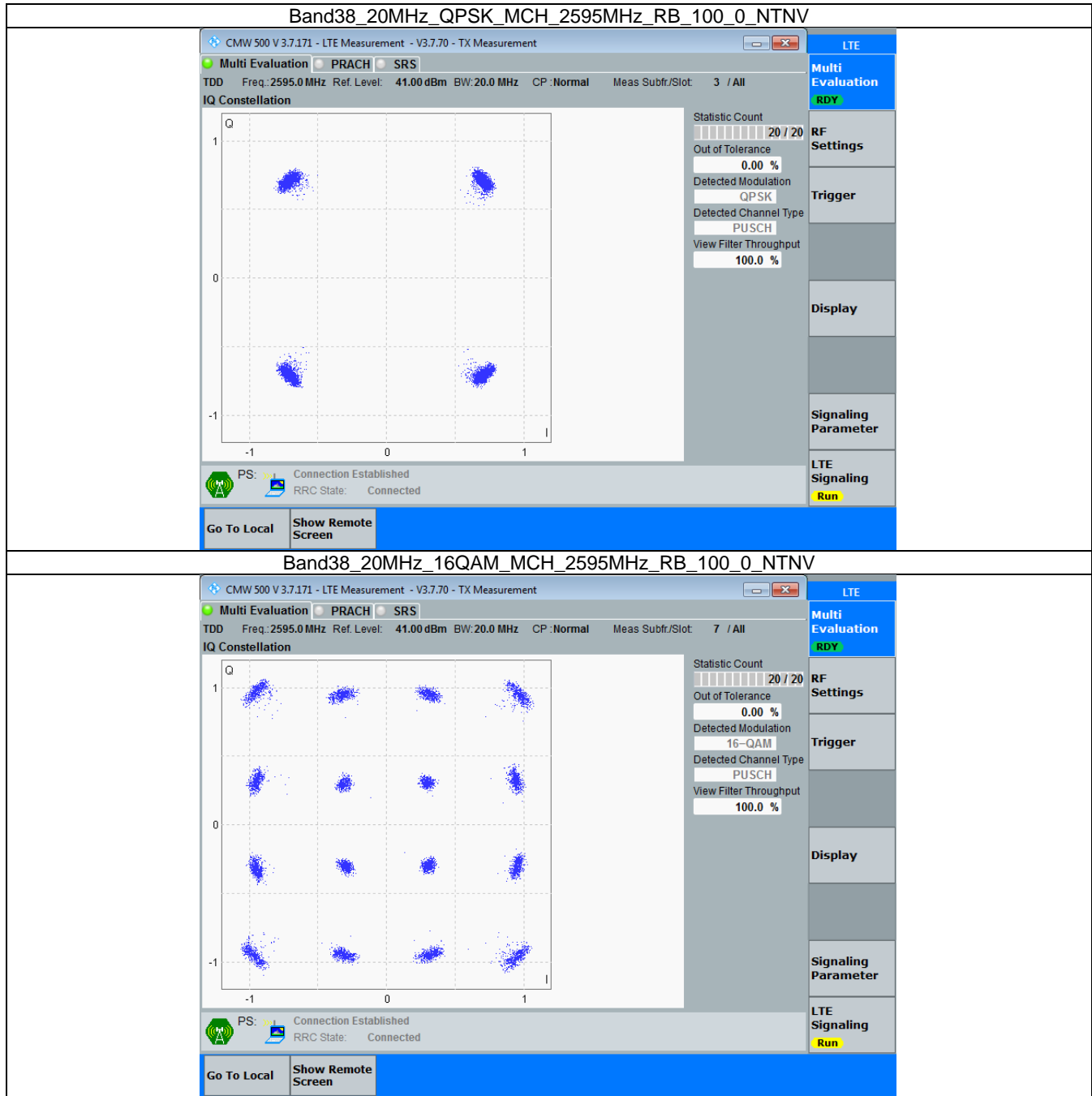
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3.4.2 Test Graph

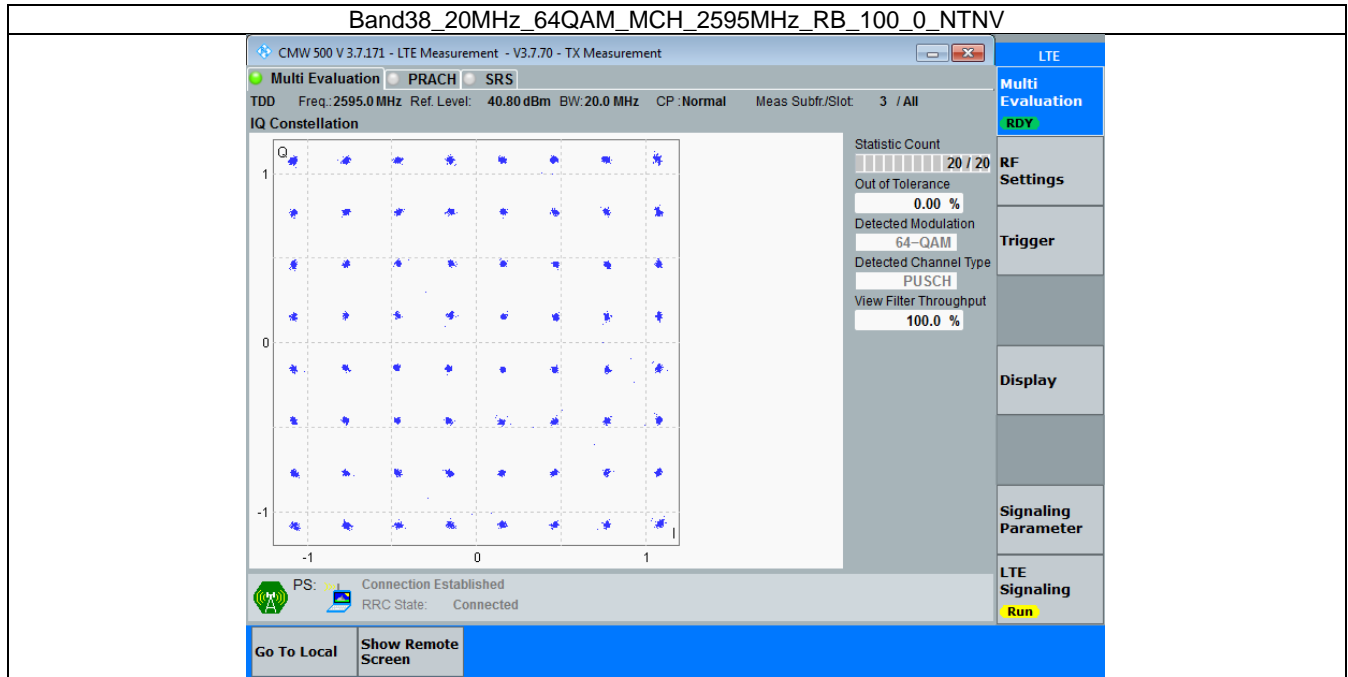


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4. 99% & 26dB Bandwidth

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	4.538	Pass
		2595	25	0	4.538	Pass
		2617.5	25	0	4.521	Pass
	16QAM	2572.5	25	0	4.534	Pass
		2595	25	0	4.540	Pass
		2617.5	25	0	4.575	Pass
	64QAM	2572.5	25	0	4.546	Pass
		2595	25	0	4.527	Pass
		2617.5	25	0	4.542	Pass
10	QPSK	2575	50	0	9.056	Pass
		2595	50	0	9.045	Pass
		2615	50	0	9.070	Pass
	16QAM	2575	50	0	9.065	Pass
		2595	50	0	9.039	Pass
		2615	50	0	9.040	Pass
	64QAM	2575	50	0	9.083	Pass
		2595	50	0	9.057	Pass
		2615	50	0	9.043	Pass
15	QPSK	2577.5	75	0	13.618	Pass
		2595	75	0	13.583	Pass
		2612.5	75	0	13.563	Pass
	16QAM	2577.5	75	0	13.663	Pass
		2595	75	0	13.588	Pass
		2612.5	75	0	13.659	Pass
	64QAM	2577.5	75	0	13.573	Pass
		2595	75	0	13.609	Pass
		2612.5	75	0	13.594	Pass
20	QPSK	2580	100	0	18.119	Pass
		2595	100	0	18.019	Pass
		2610	100	0	18.075	Pass
	16QAM	2580	100	0	18.019	Pass
		2595	100	0	18.052	Pass
		2610	100	0	18.096	Pass
	64QAM	2580	100	0	18.080	Pass
		2595	100	0	18.097	Pass
		2610	100	0	18.115	Pass



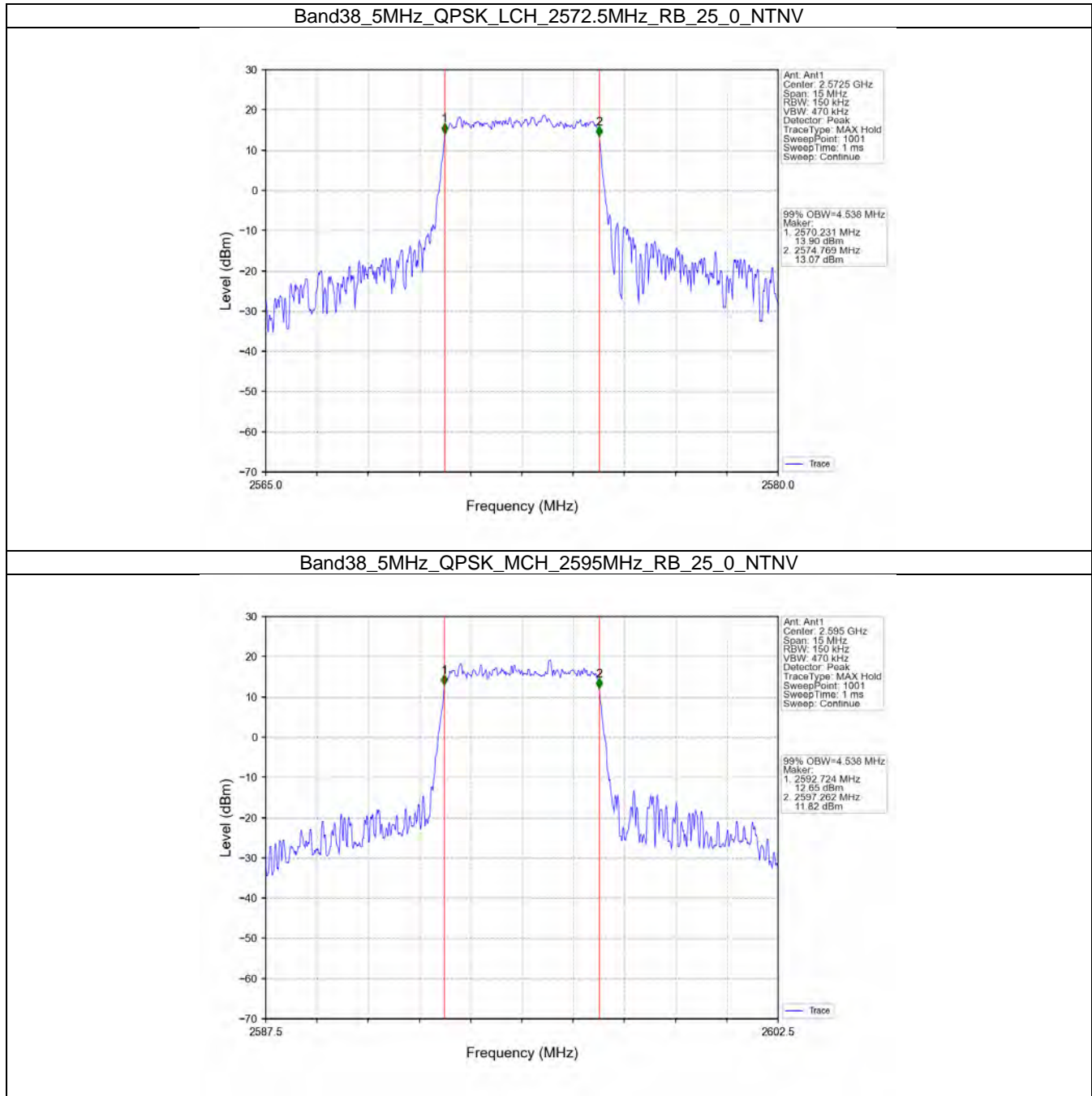
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4.1.2 Test Graph



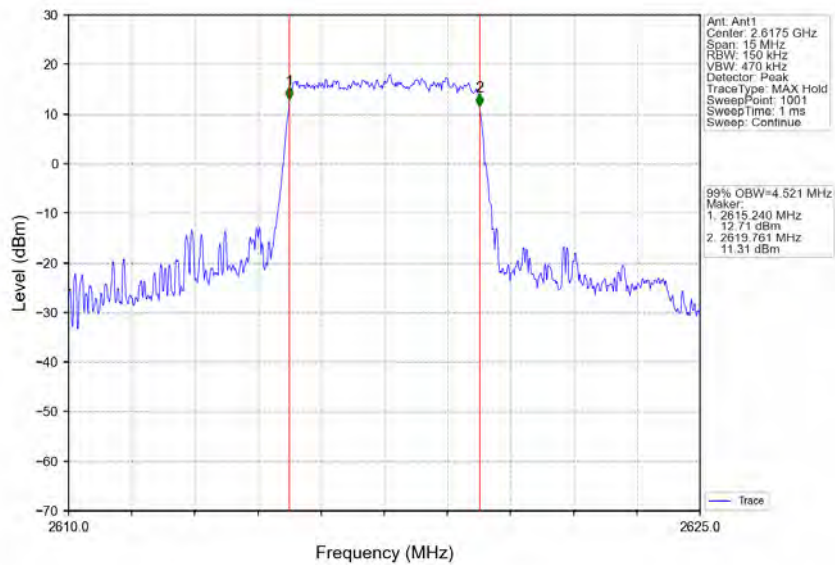
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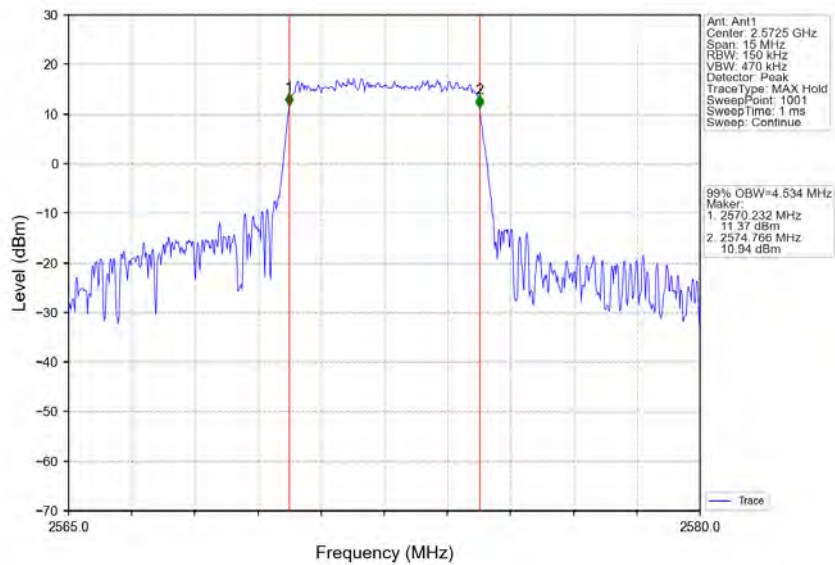
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



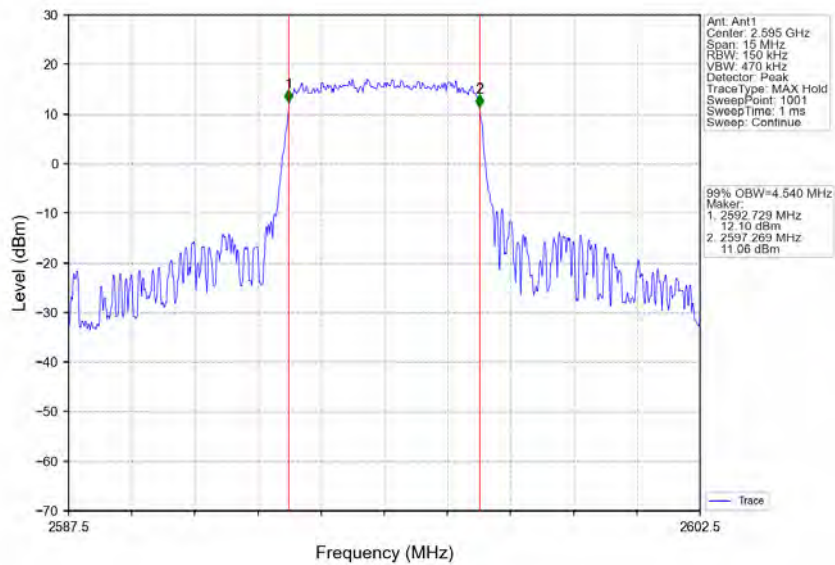
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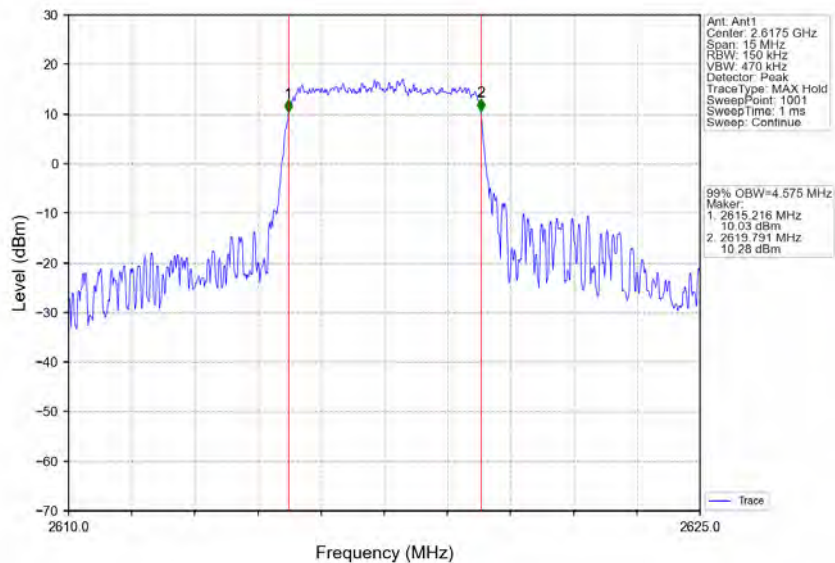
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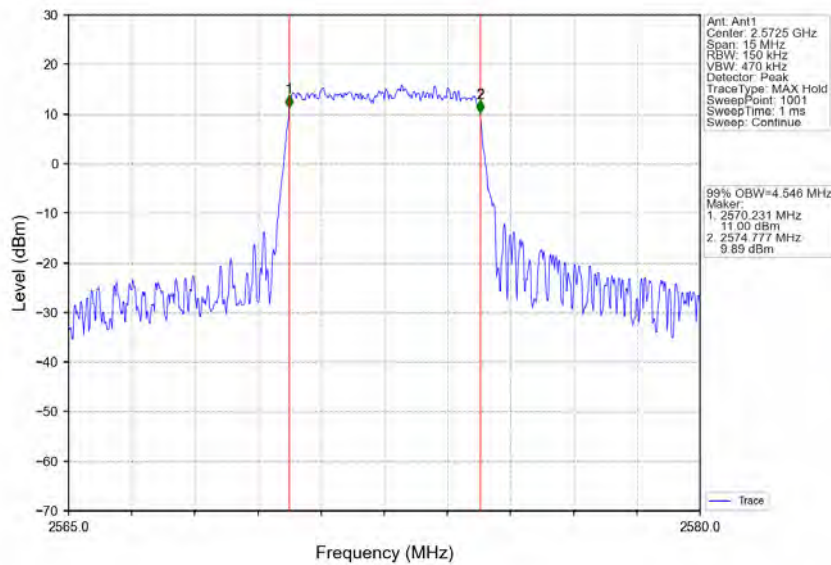
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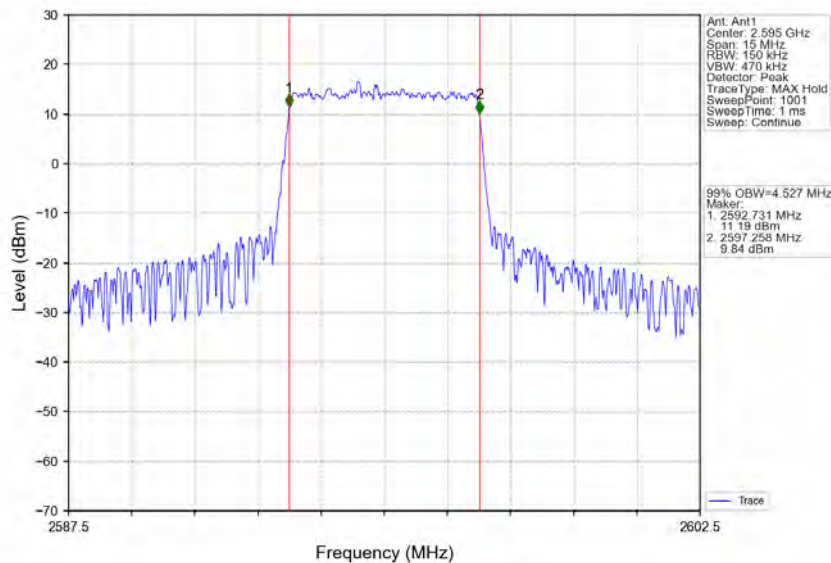
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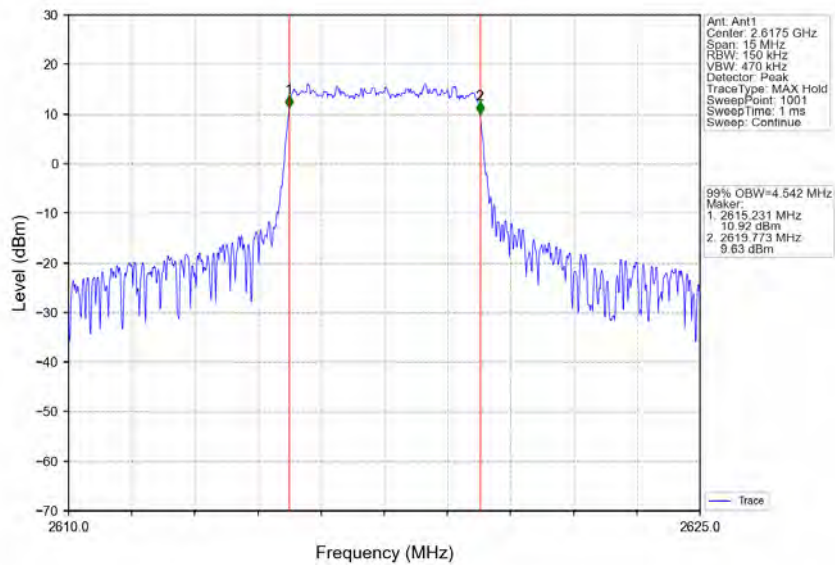
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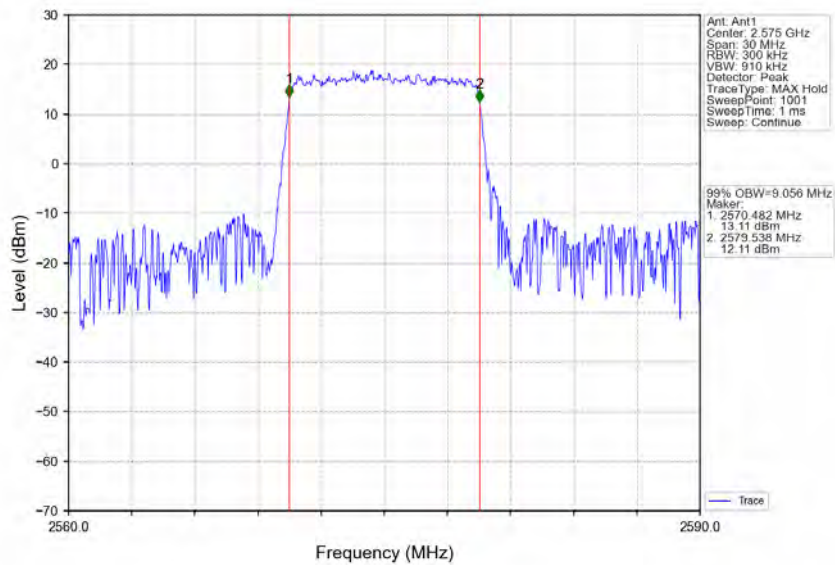
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Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



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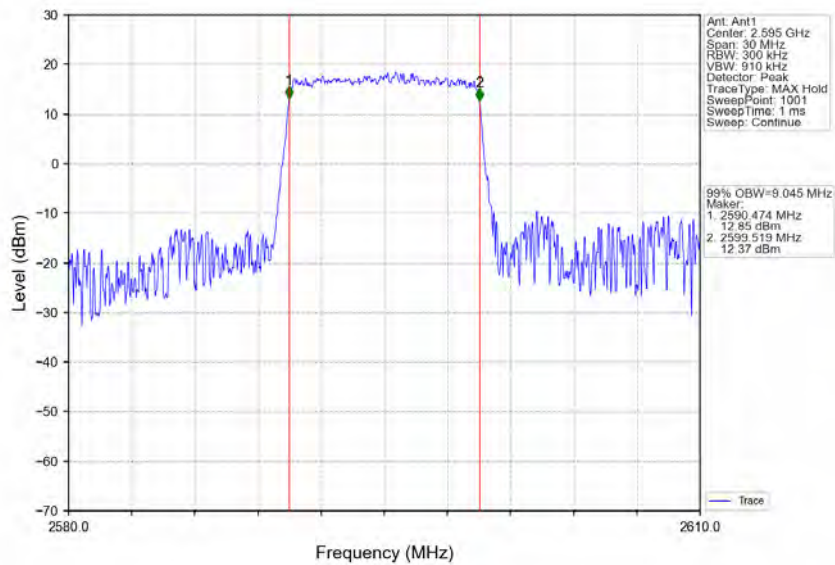
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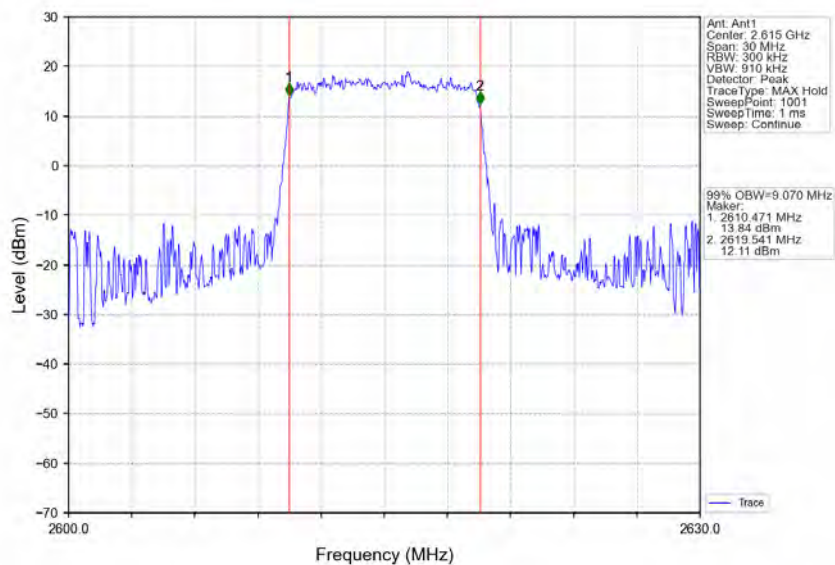
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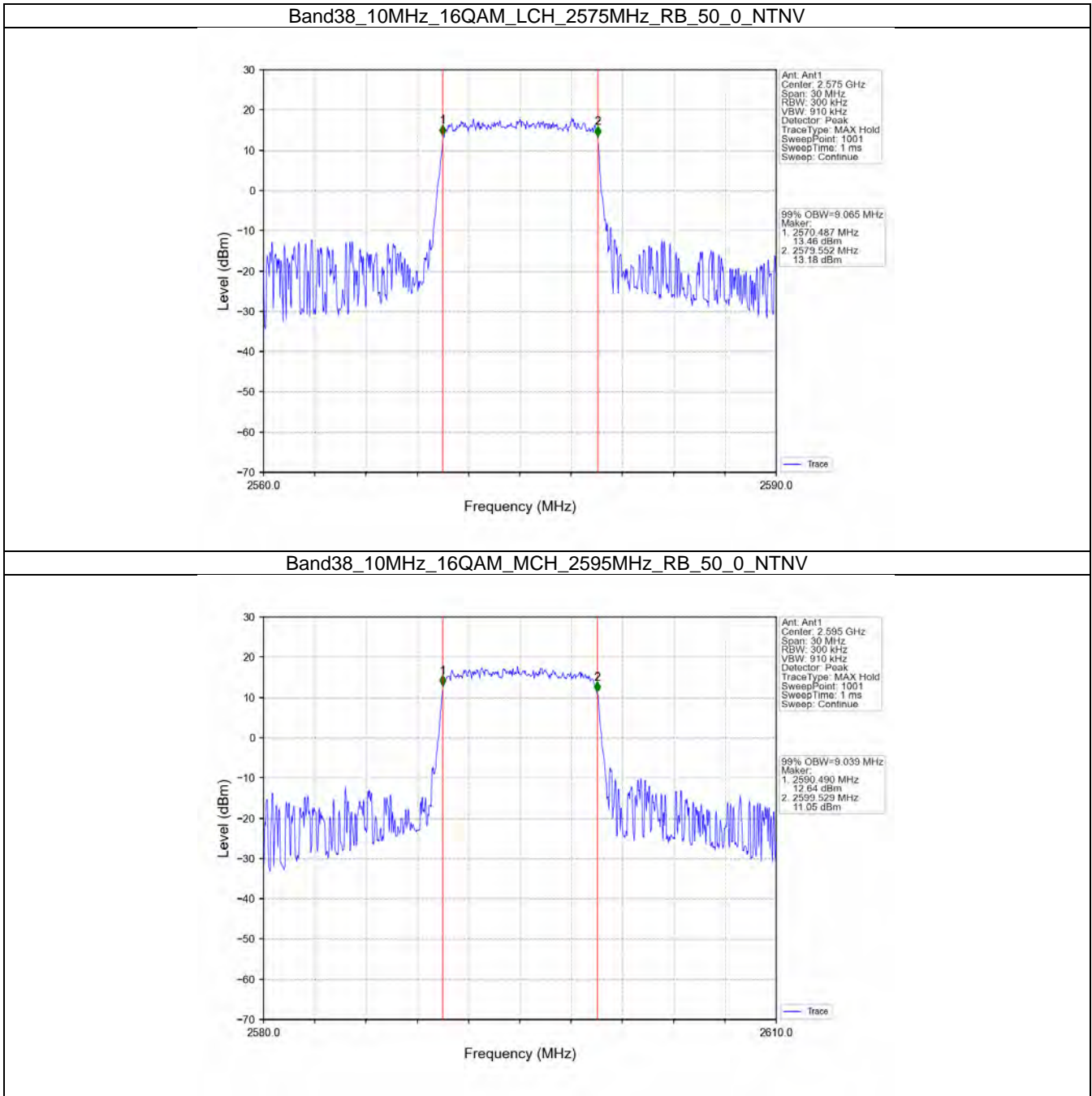


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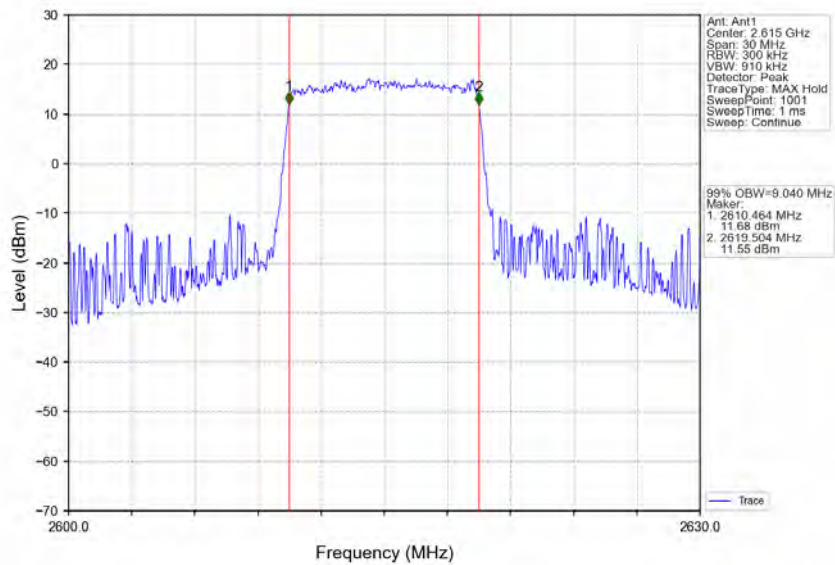
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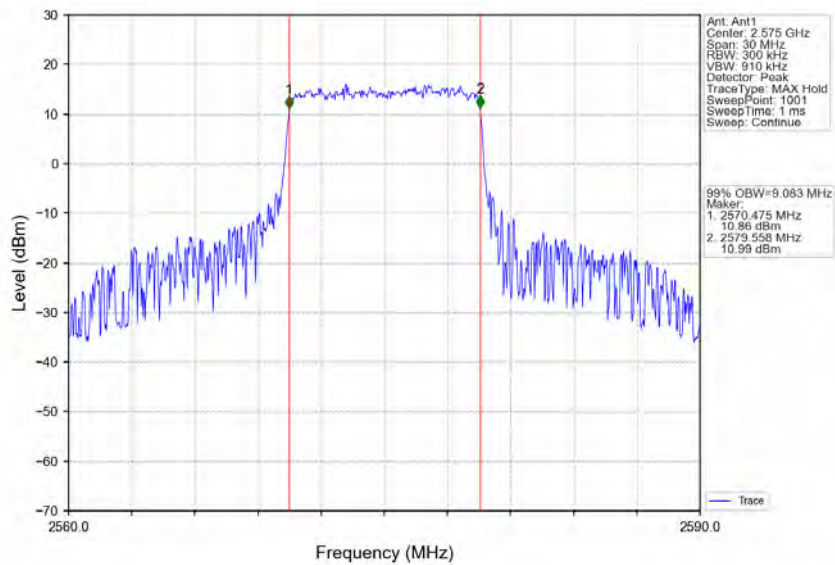
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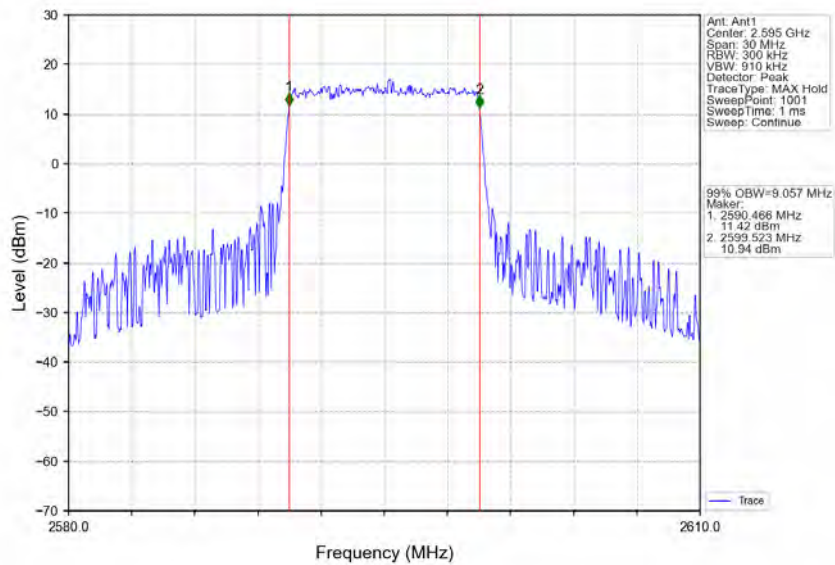
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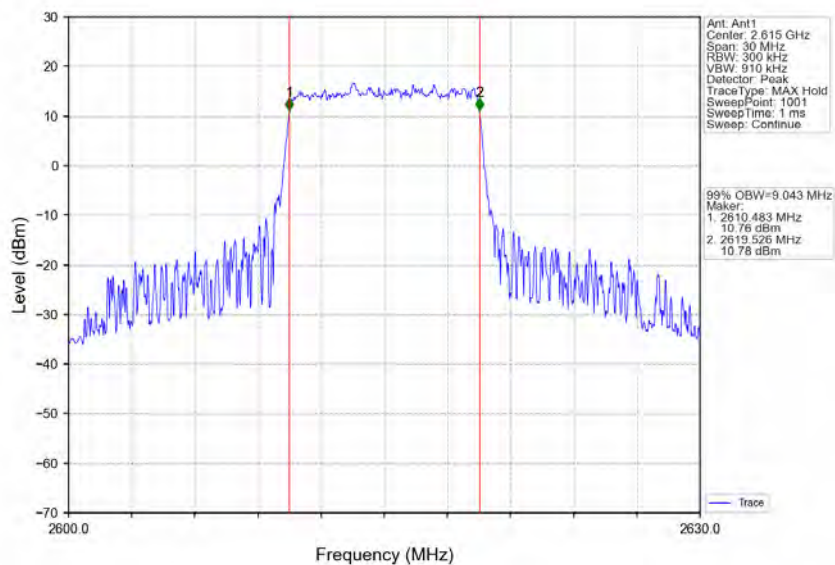
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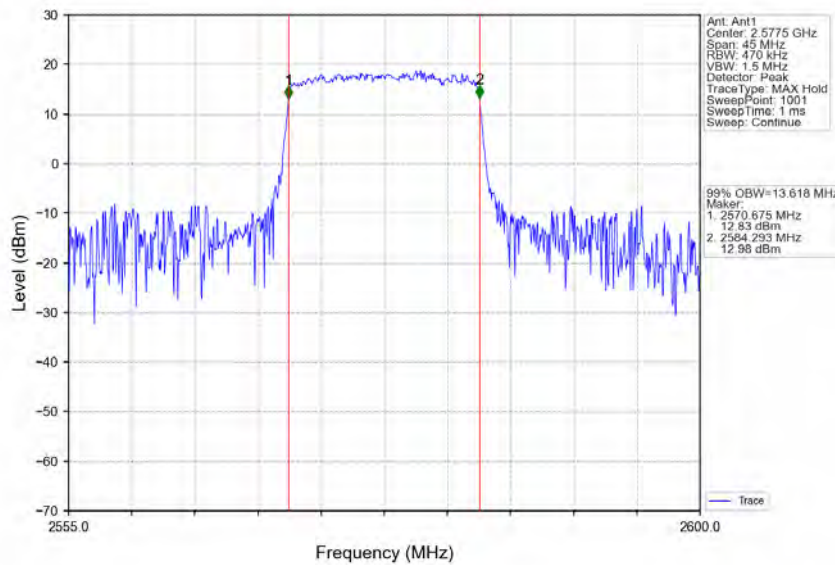
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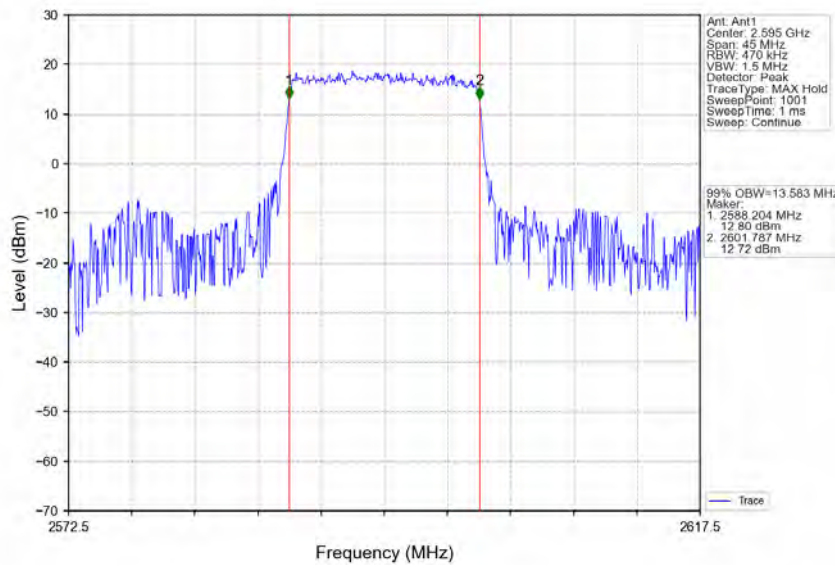
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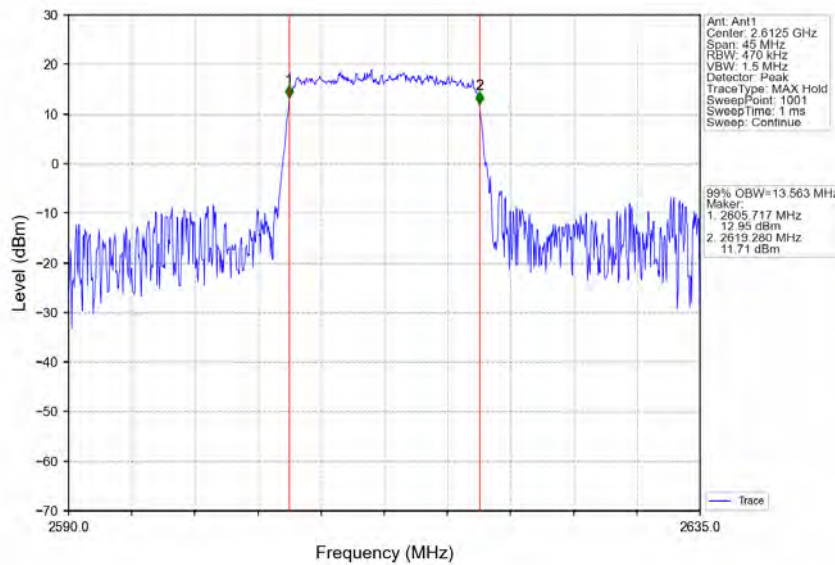
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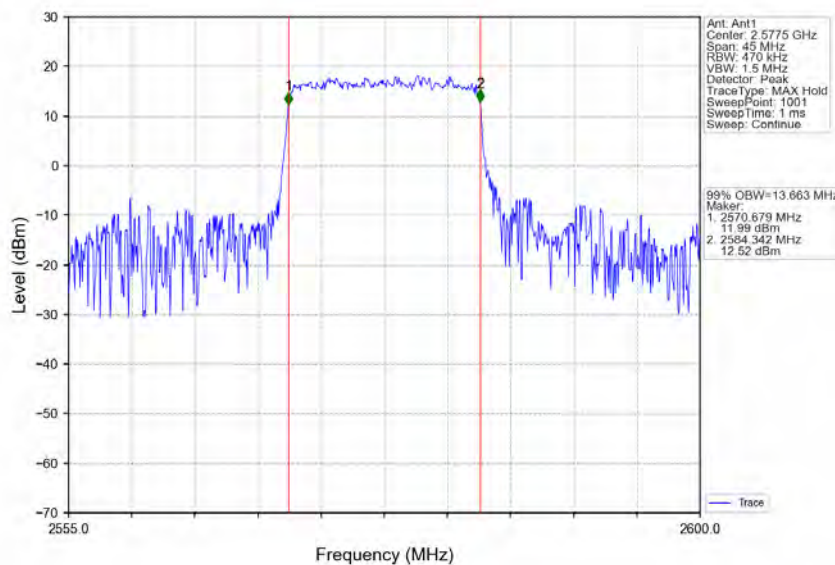
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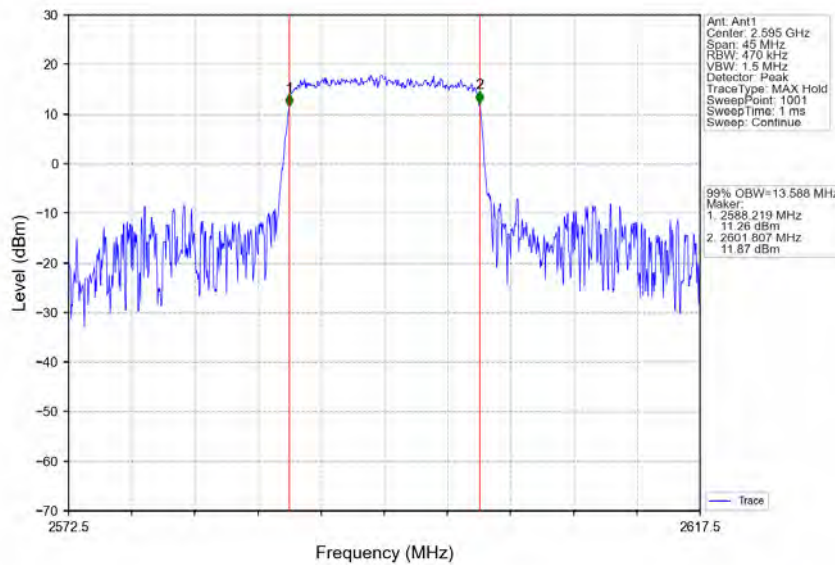
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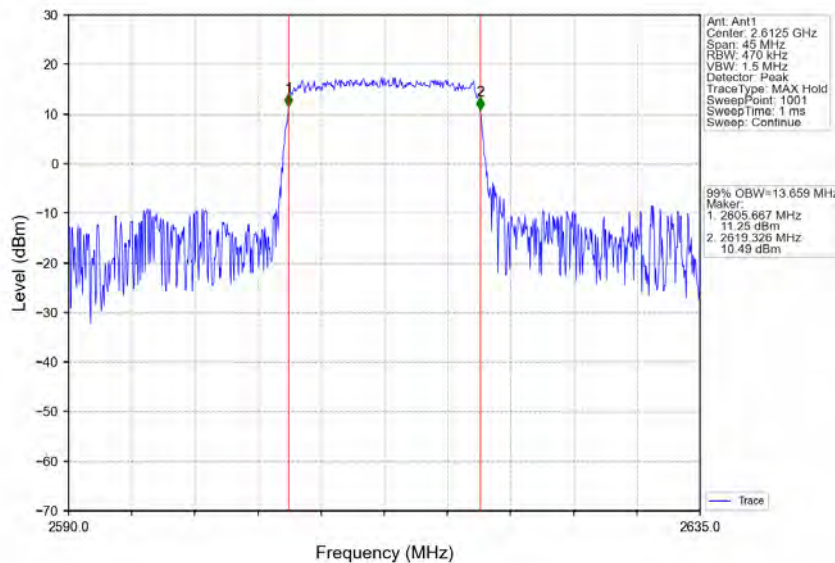
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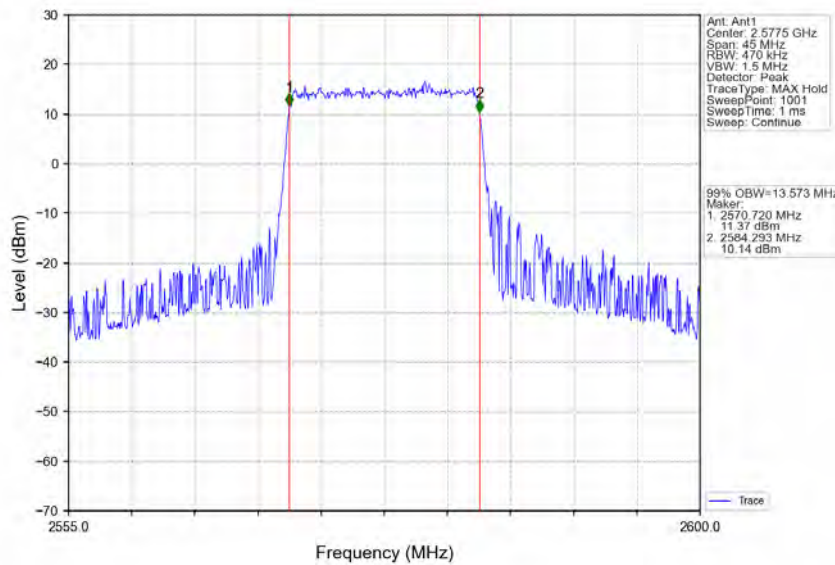
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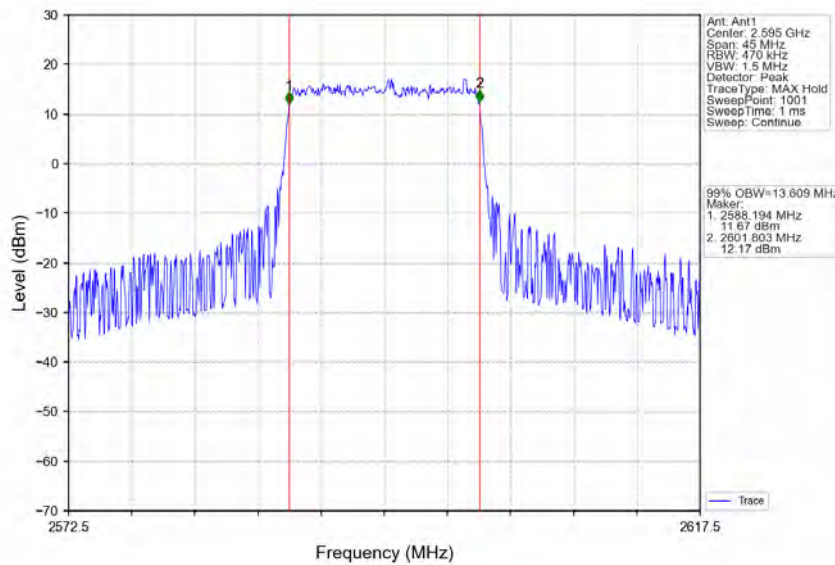
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



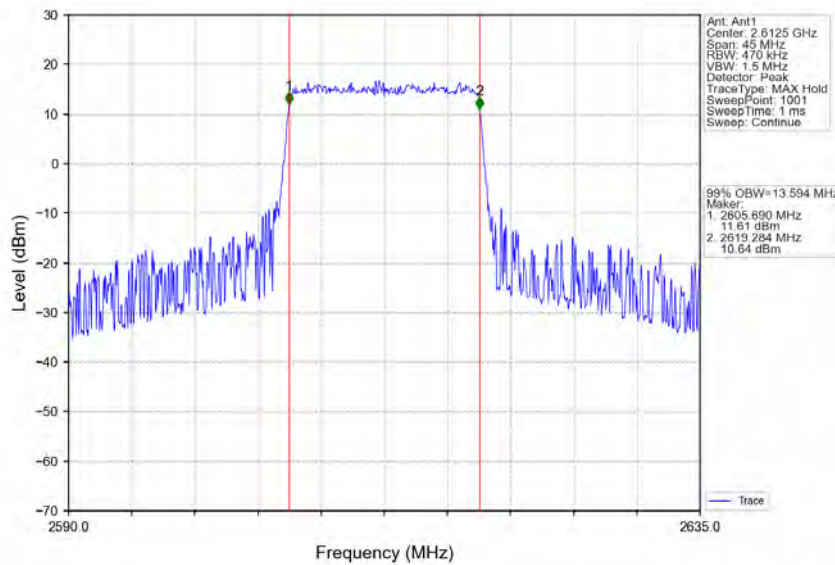
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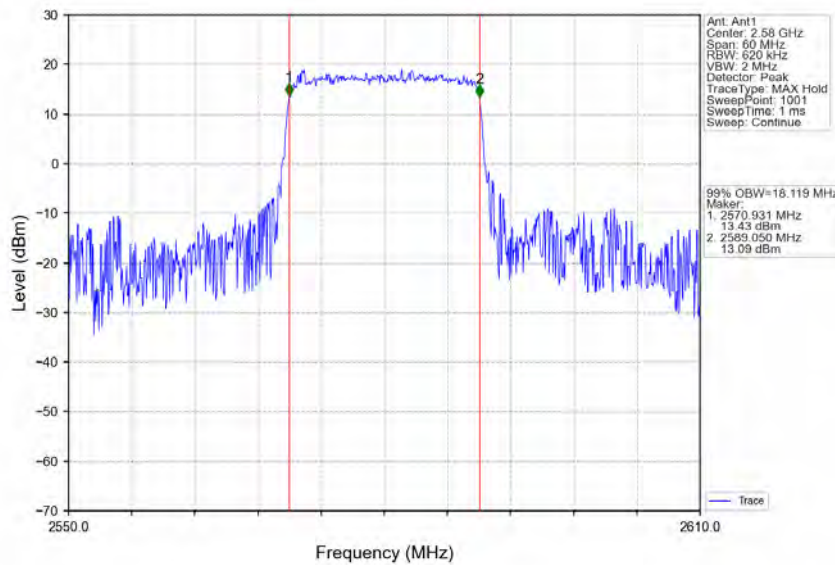
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Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



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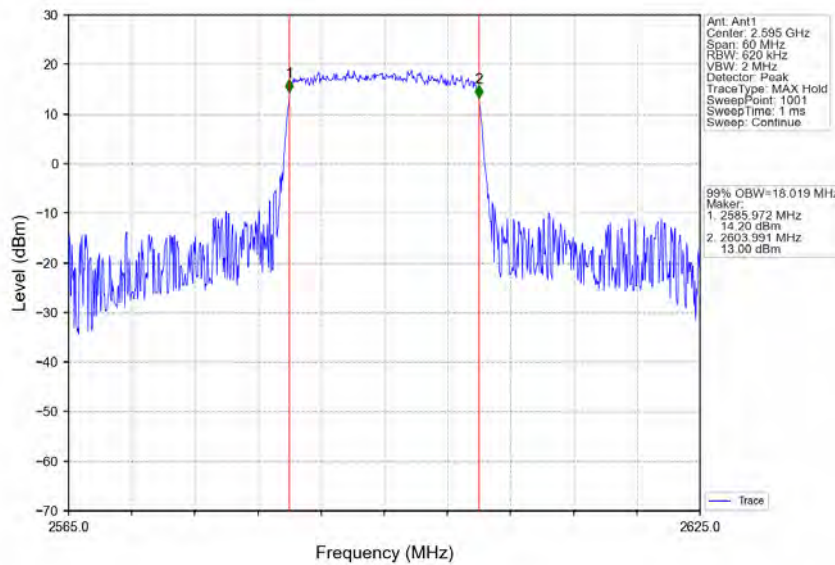
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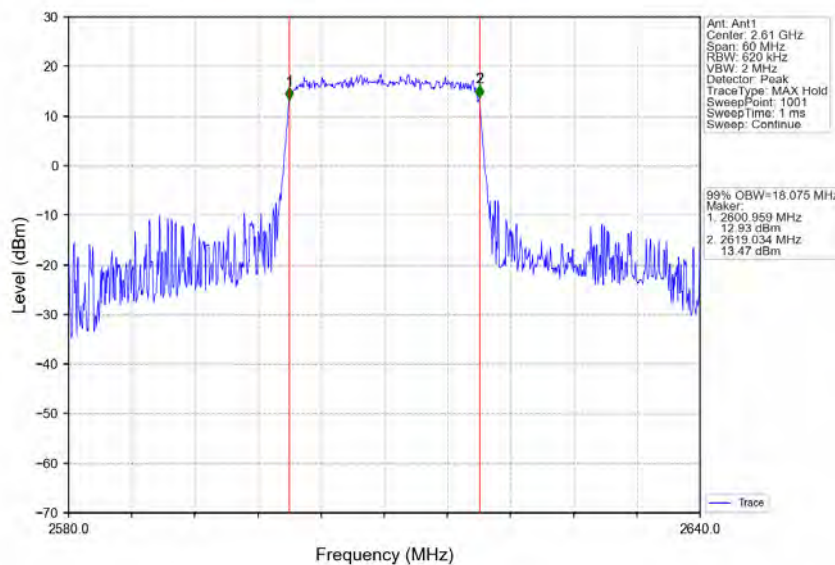
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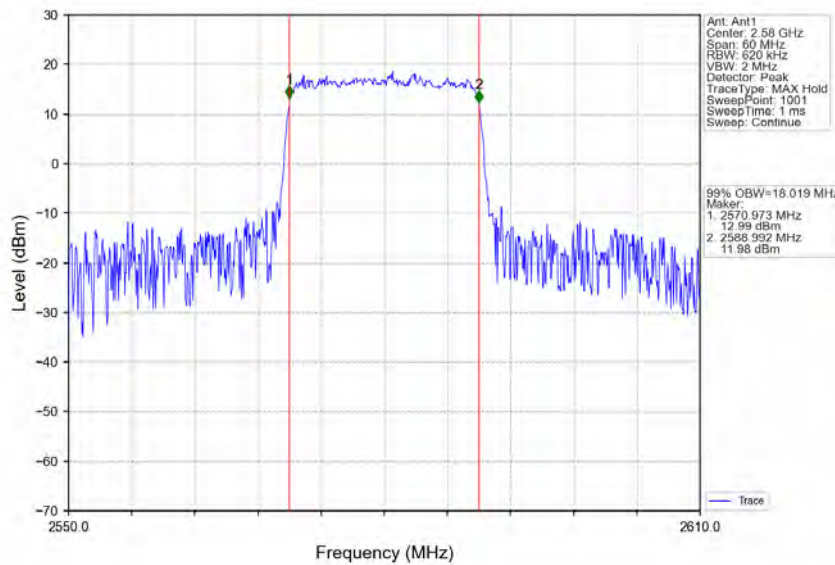
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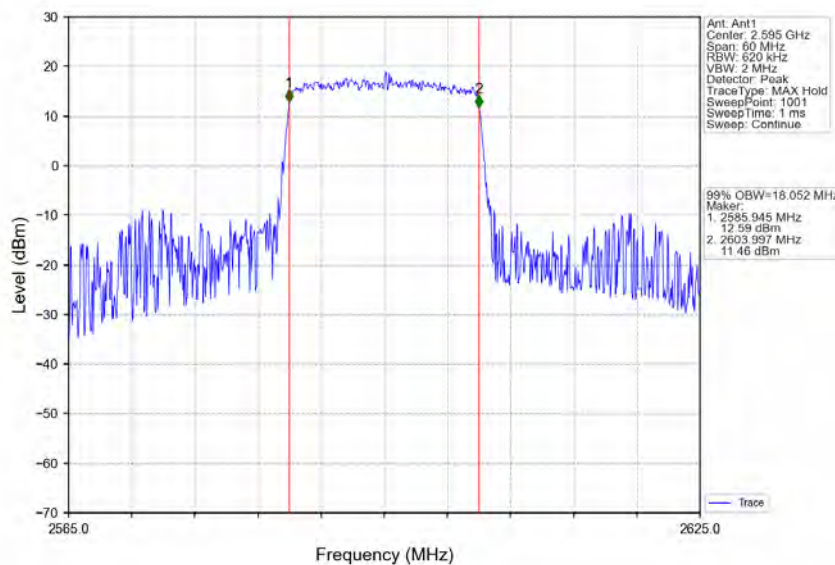
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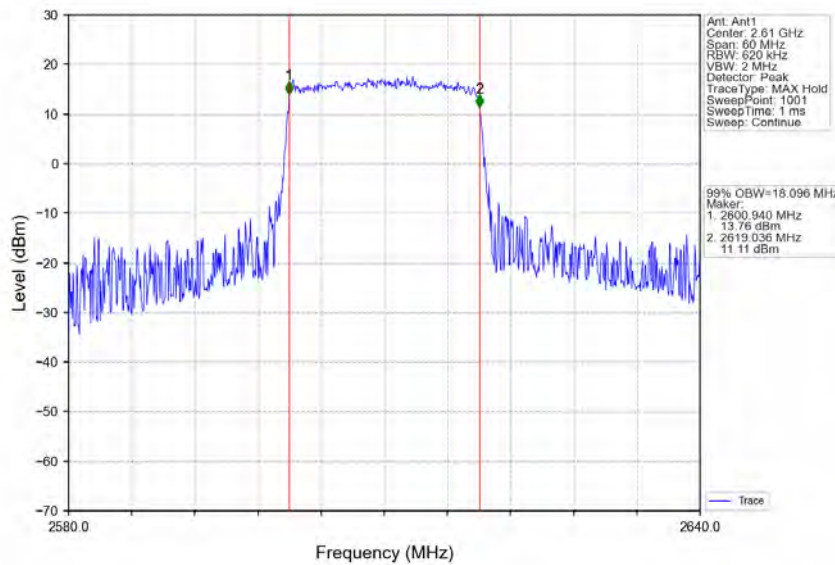
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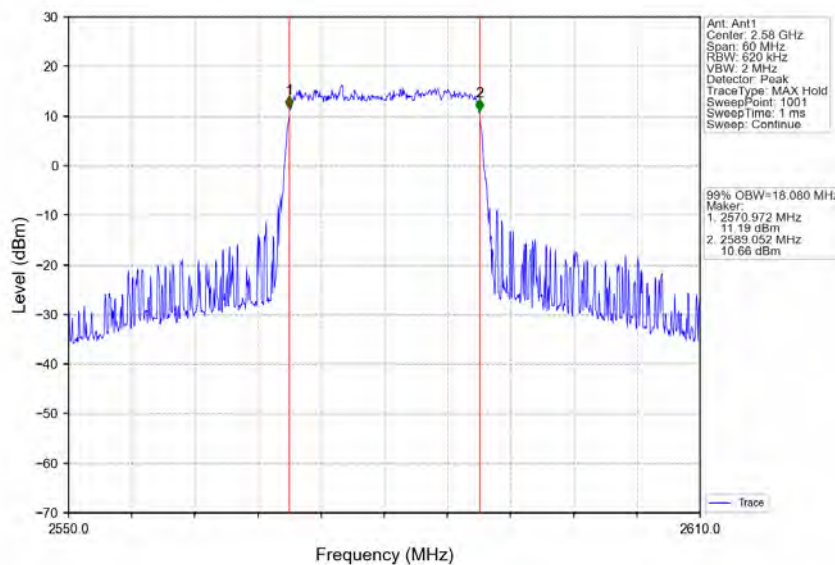
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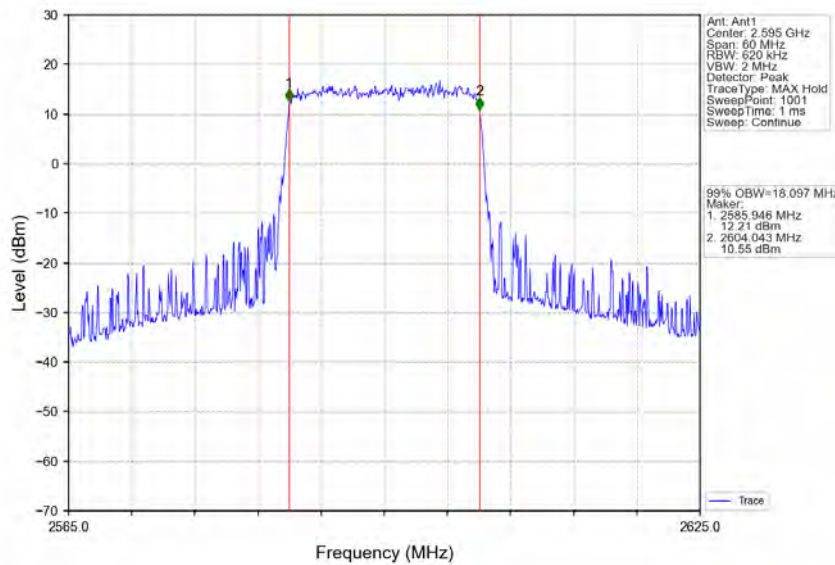
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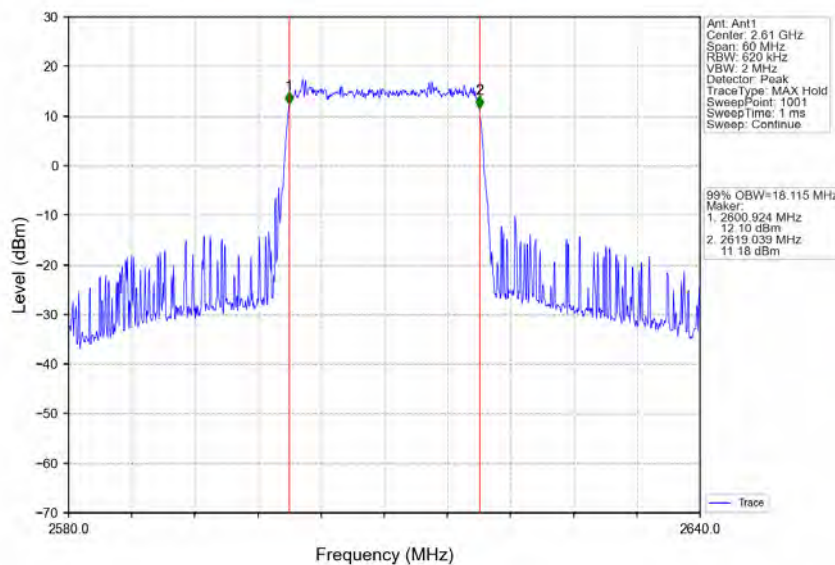
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4.2 Band38_XDB

4.2.1 Test Result

Band: 38 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2572.5	25	0	5.116	Pass
		2595	25	0	5.040	Pass
		2617.5	25	0	5.042	Pass
	16QAM	2572.5	25	0	5.179	Pass
		2595	25	0	5.123	Pass
		2617.5	25	0	5.430	Pass
	64QAM	2572.5	25	0	5.146	Pass
		2595	25	0	5.024	Pass
		2617.5	25	0	5.183	Pass
10	QPSK	2575	50	0	10.426	Pass
		2595	50	0	10.024	Pass
		2615	50	0	9.984	Pass
	16QAM	2575	50	0	10.031	Pass
		2595	50	0	10.517	Pass
		2615	50	0	9.945	Pass
	64QAM	2575	50	0	11.128	Pass
		2595	50	0	10.831	Pass
		2615	50	0	10.322	Pass
15	QPSK	2577.5	75	0	15.940	Pass
		2595	75	0	25.374	Pass
		2612.5	75	0	28.154	Pass
	16QAM	2577.5	75	0	28.632	Pass
		2595	75	0	23.637	Pass
		2612.5	75	0	26.693	Pass
	64QAM	2577.5	75	0	15.762	Pass
		2595	75	0	16.523	Pass
		2612.5	75	0	16.242	Pass
20	QPSK	2580	100	0	21.615	Pass
		2595	100	0	20.443	Pass
		2610	100	0	21.146	Pass
	16QAM	2580	100	0	19.779	Pass
		2595	100	0	20.054	Pass
		2610	100	0	21.227	Pass
	64QAM	2580	100	0	20.868	Pass
		2595	100	0	19.842	Pass
		2610	100	0	20.247	Pass

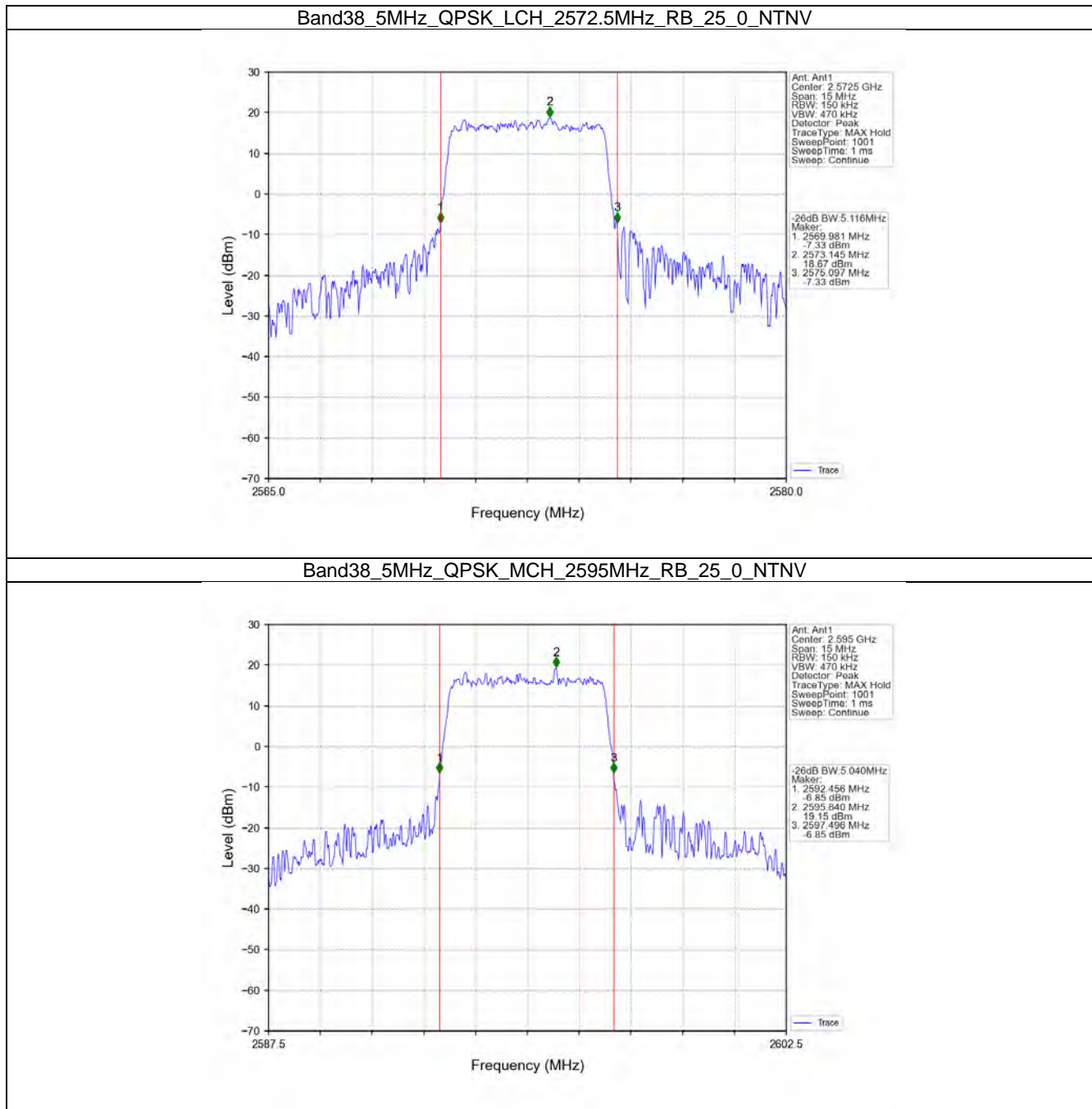


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4.2.2 Test Graph



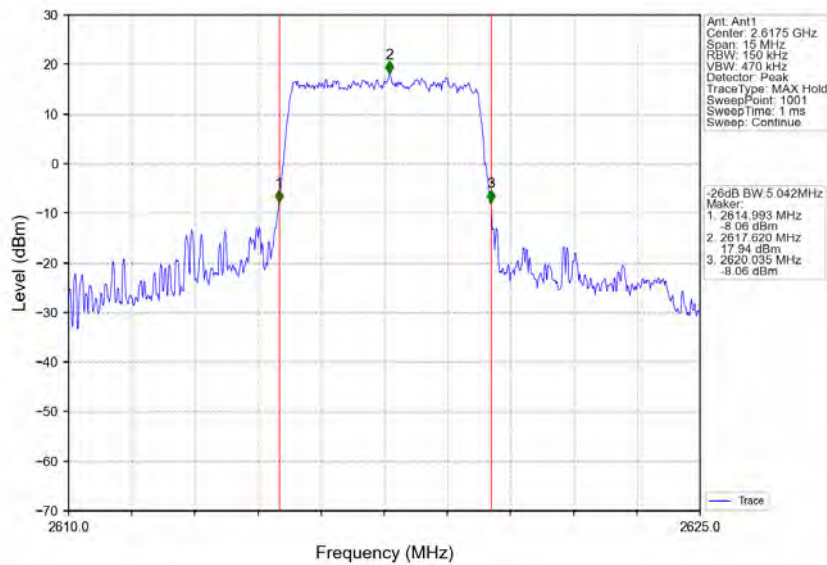
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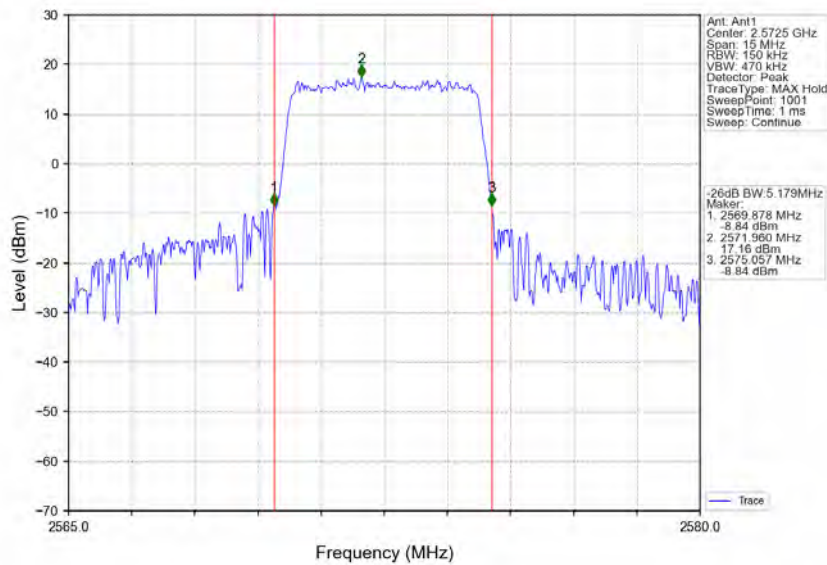
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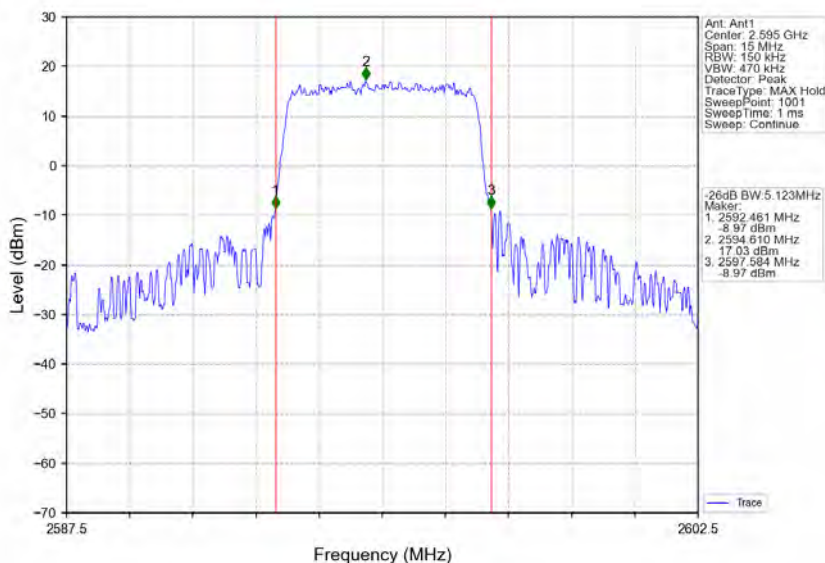
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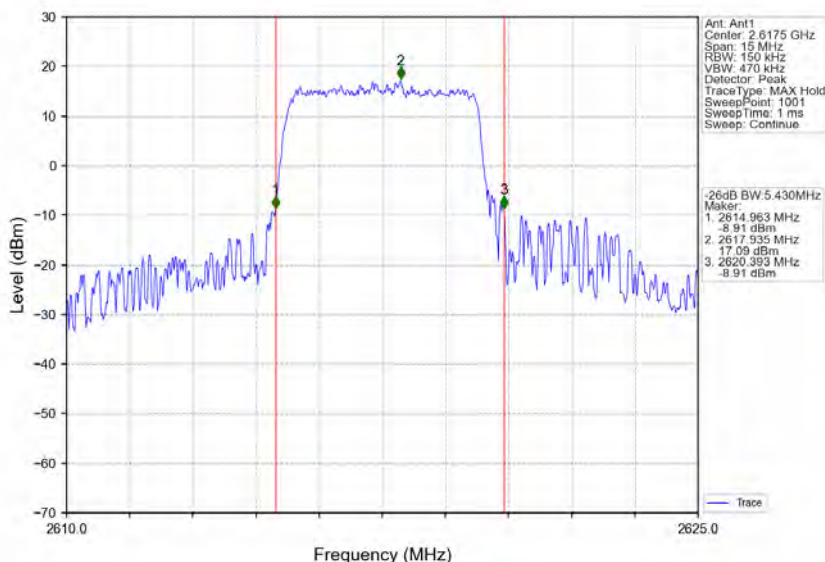
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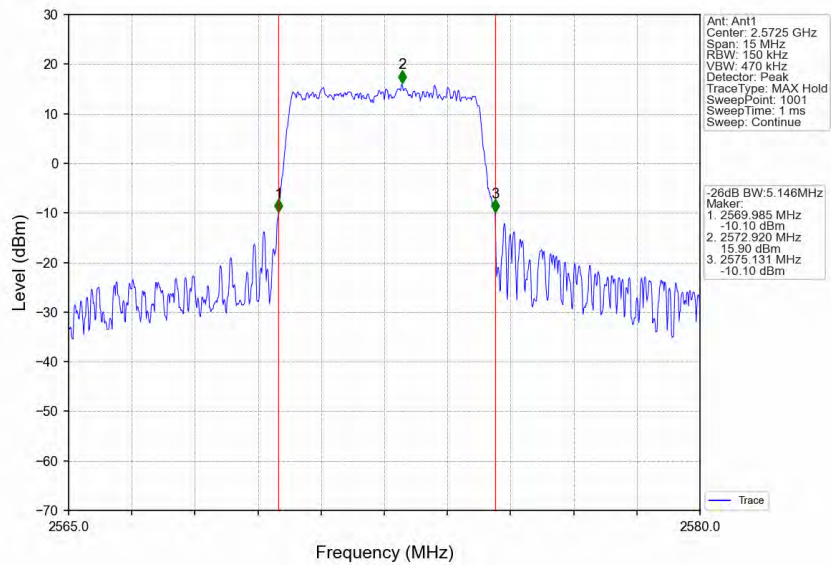
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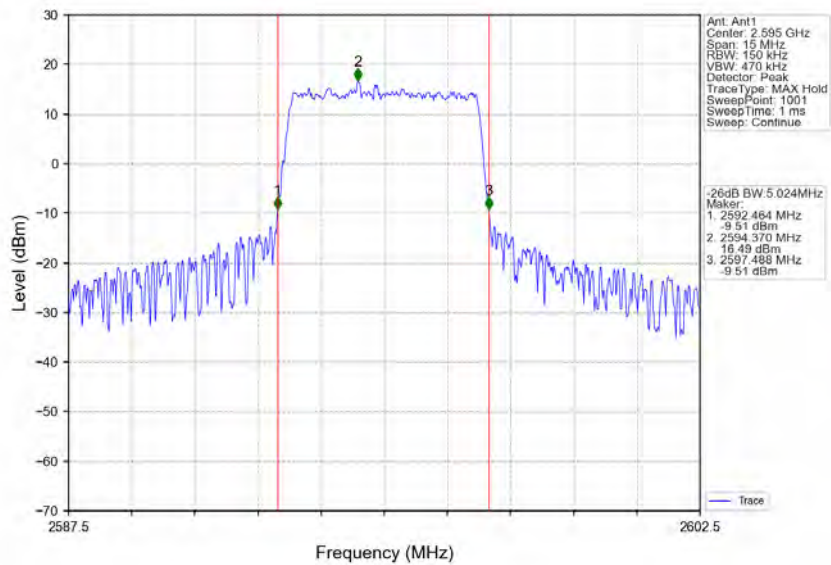
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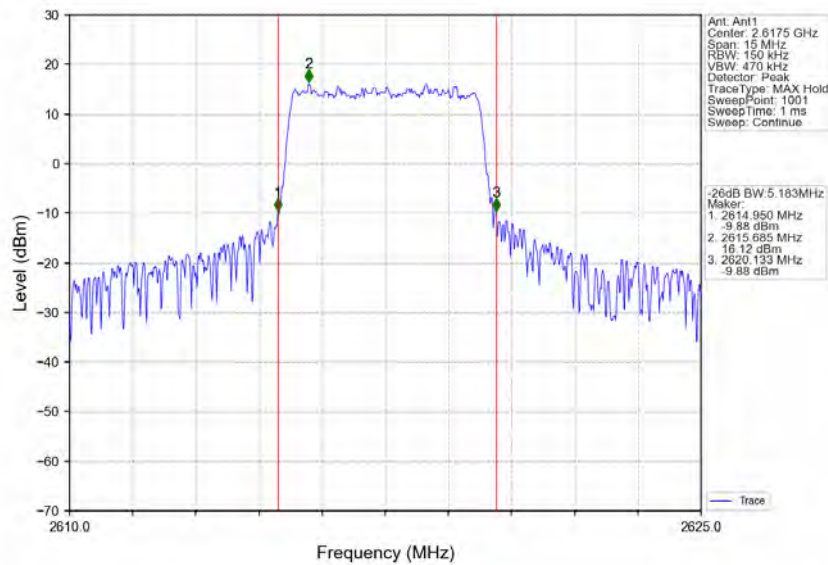
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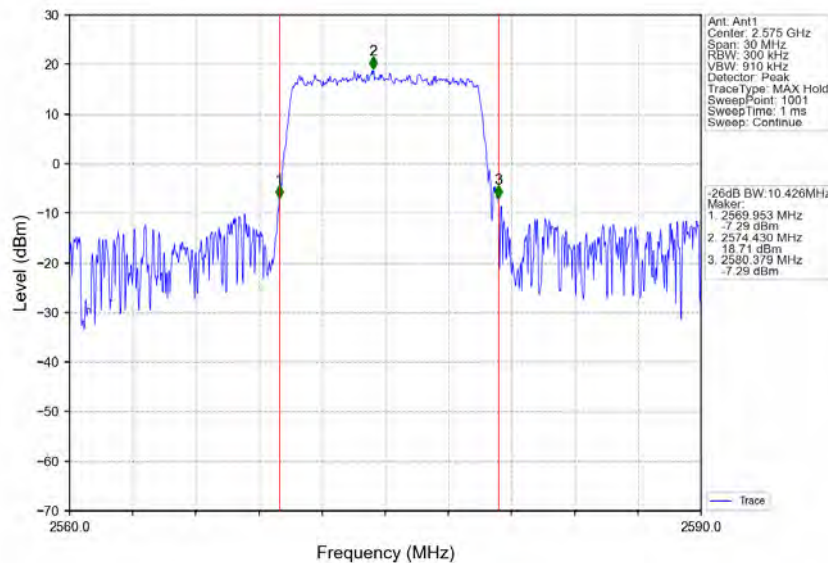
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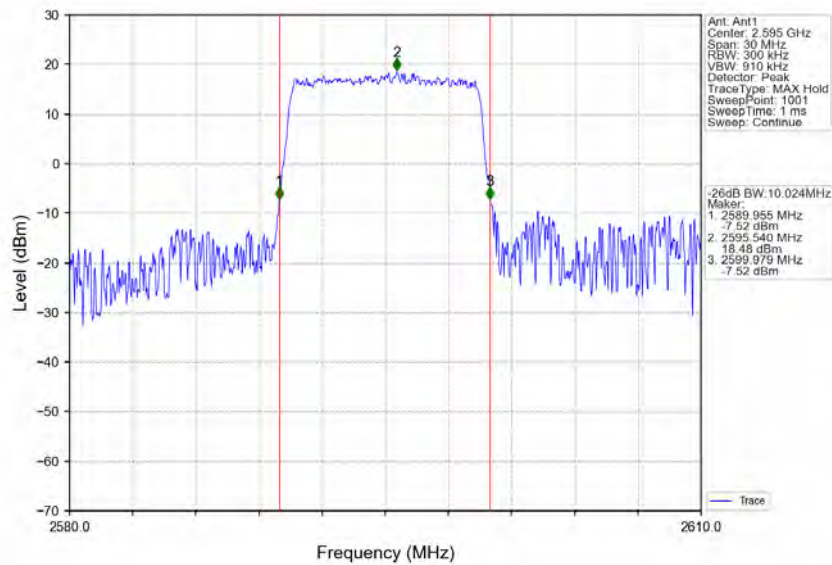
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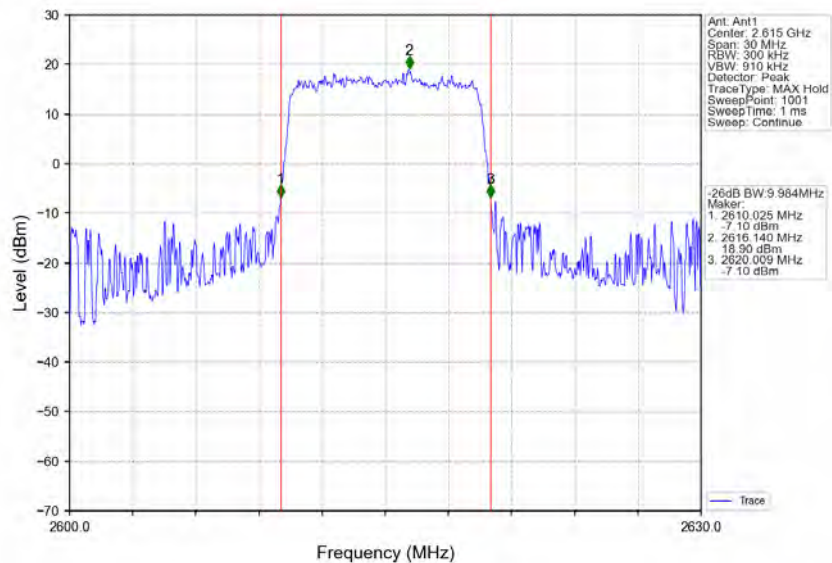
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

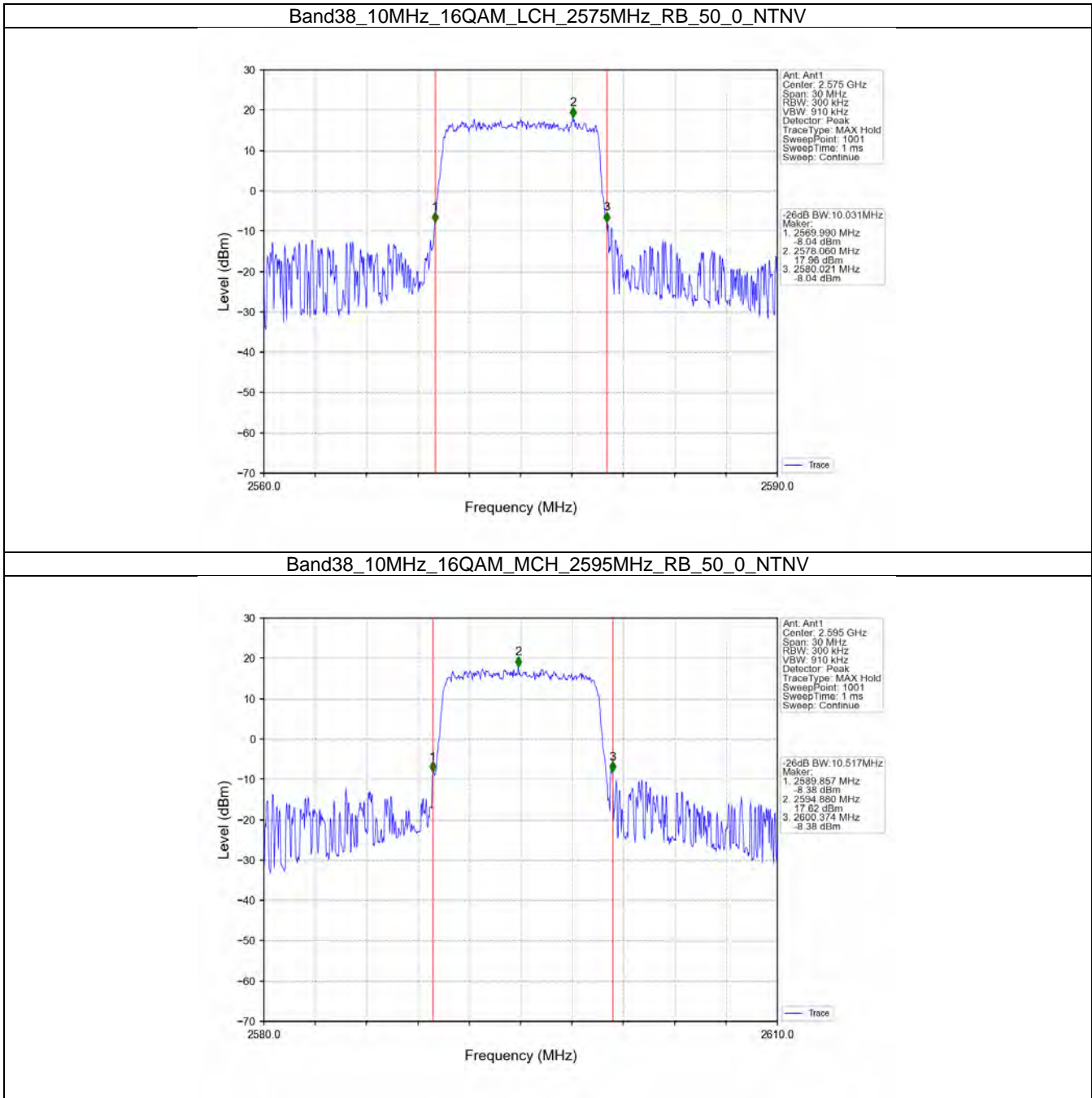


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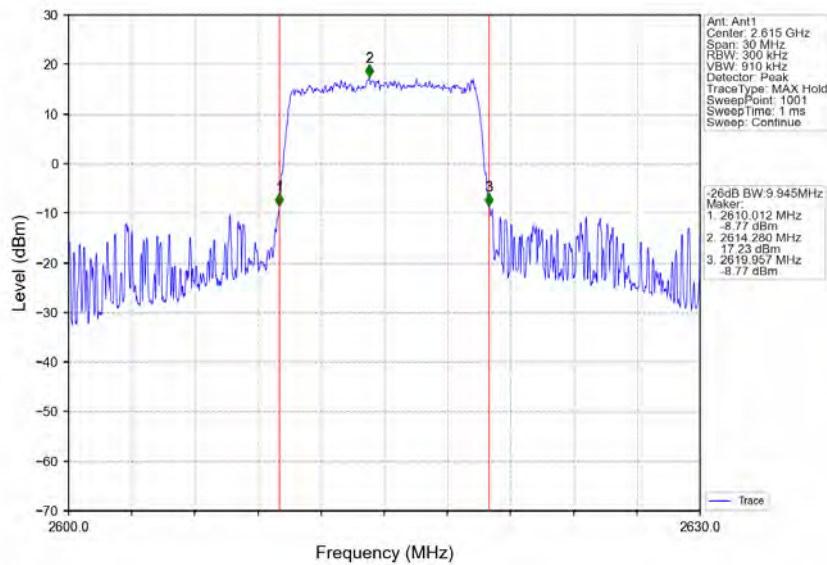
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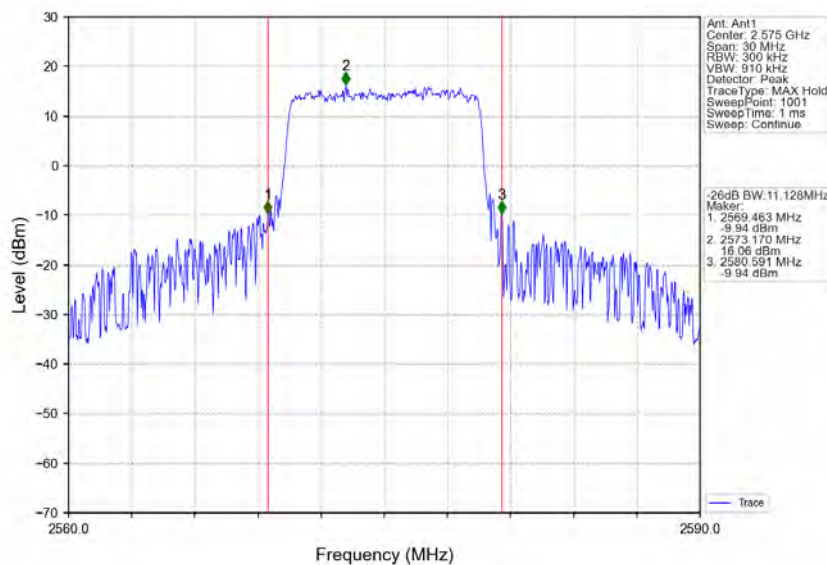
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Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



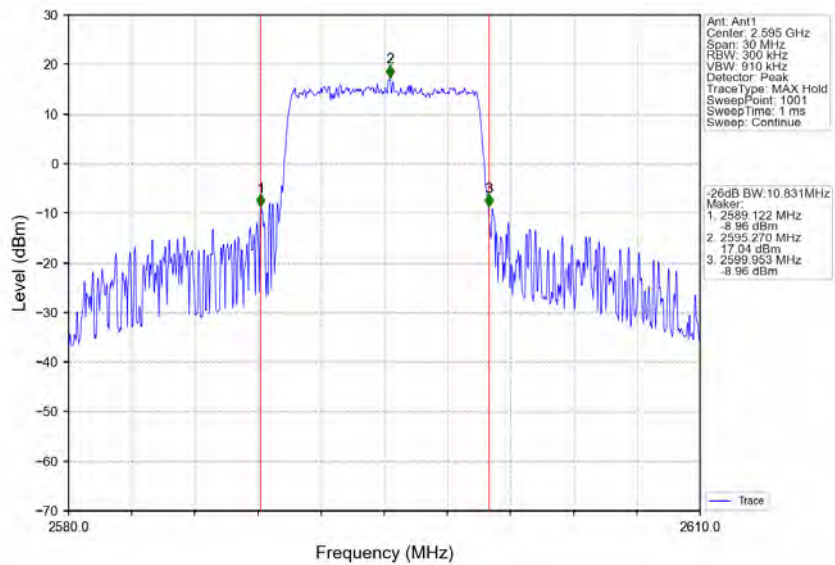
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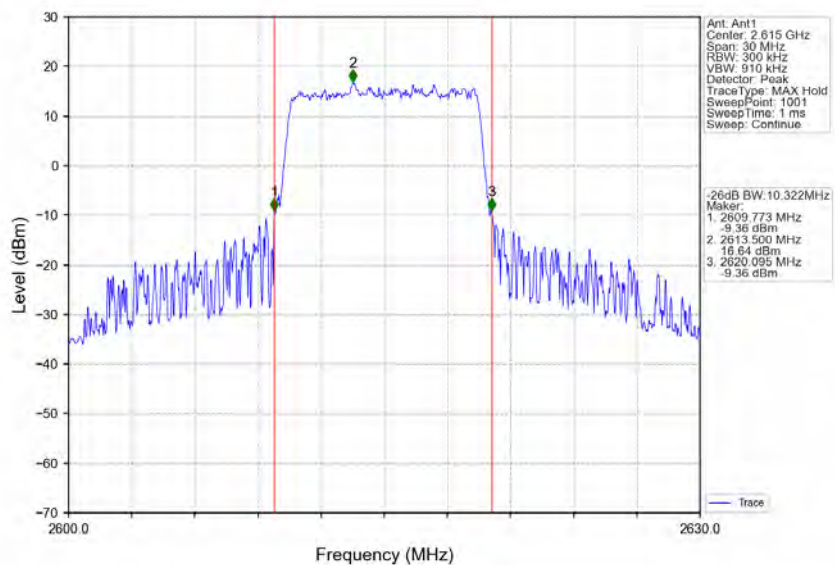
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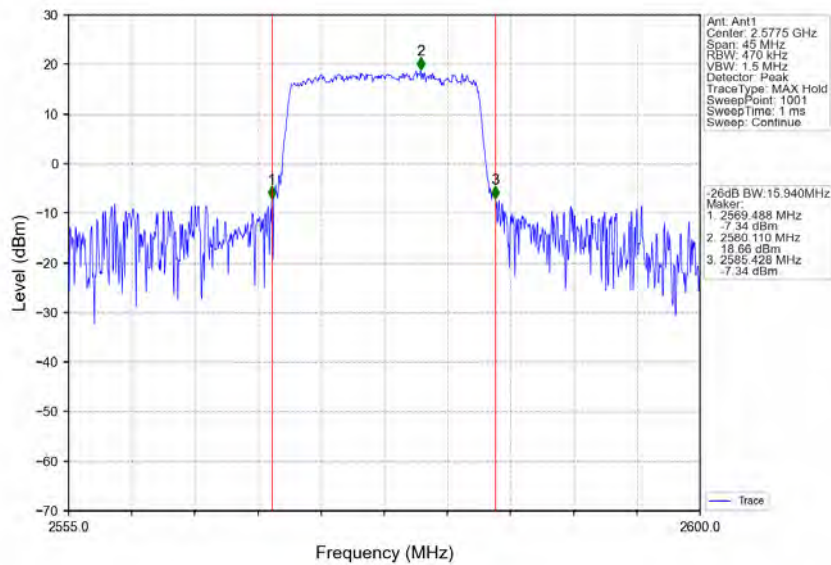
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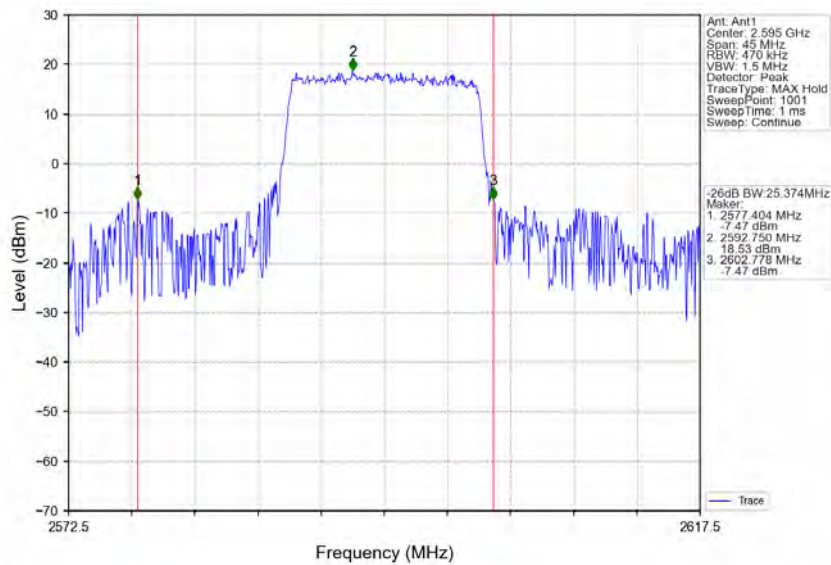
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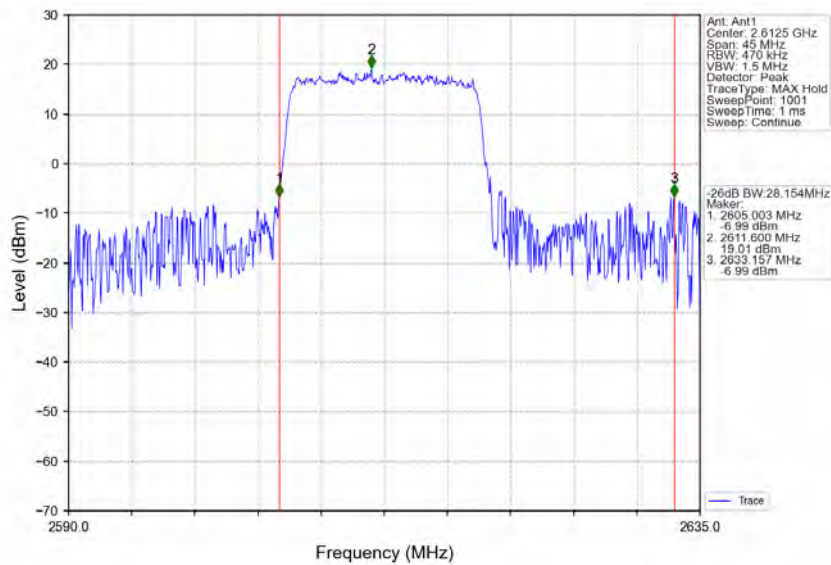
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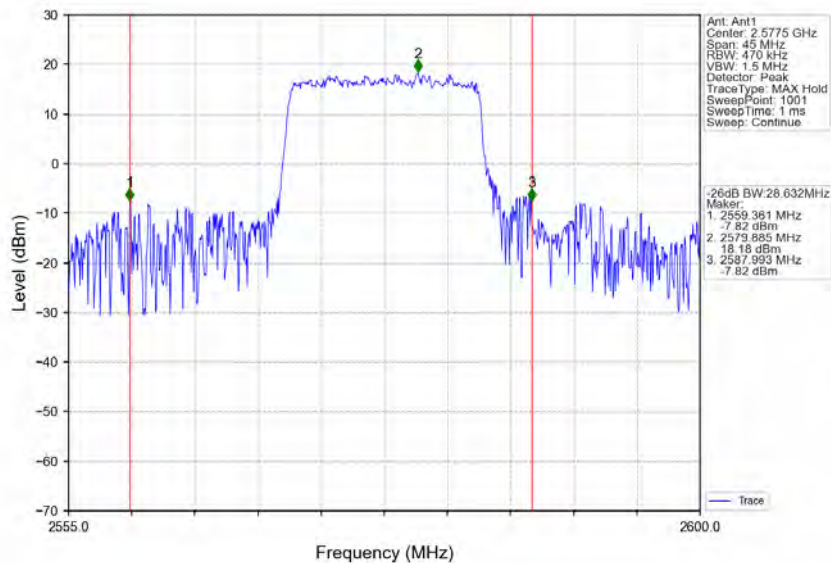
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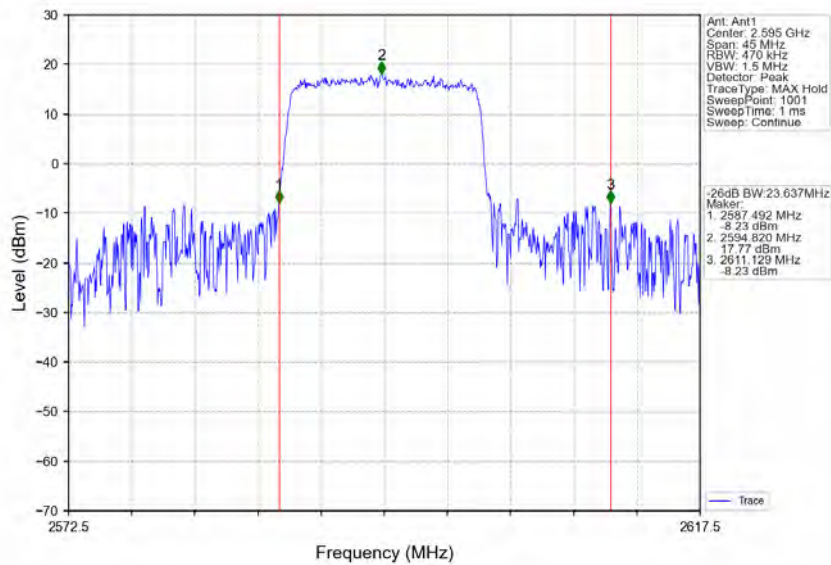
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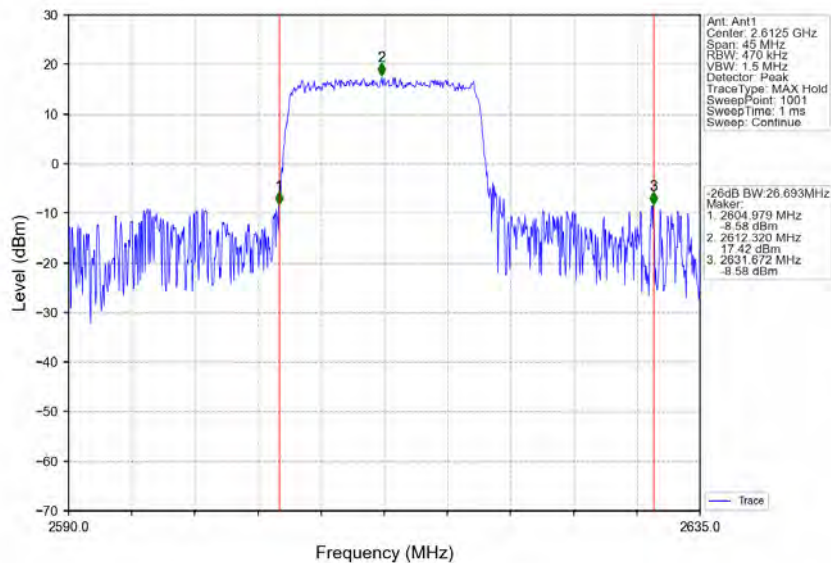
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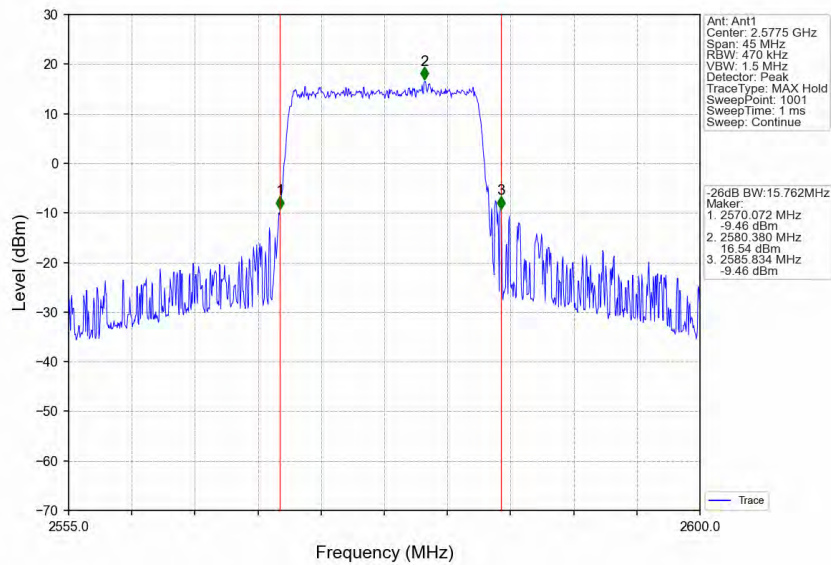
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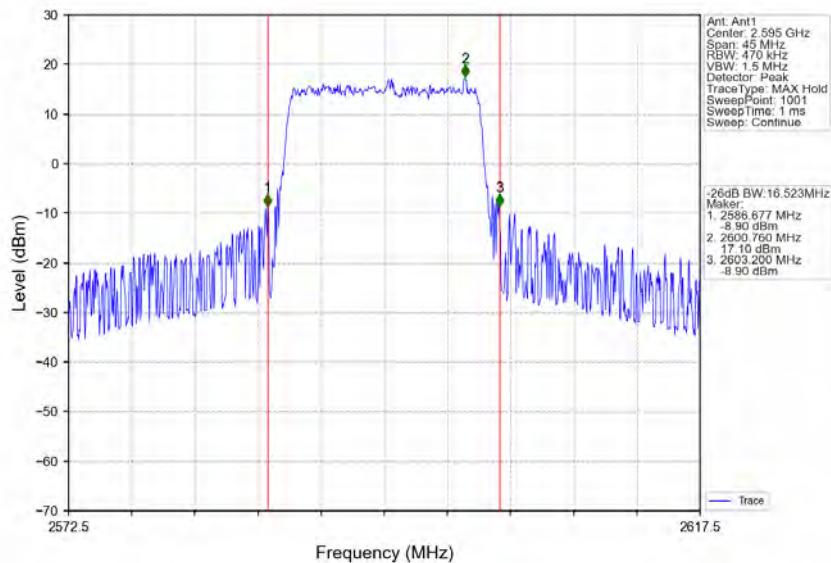
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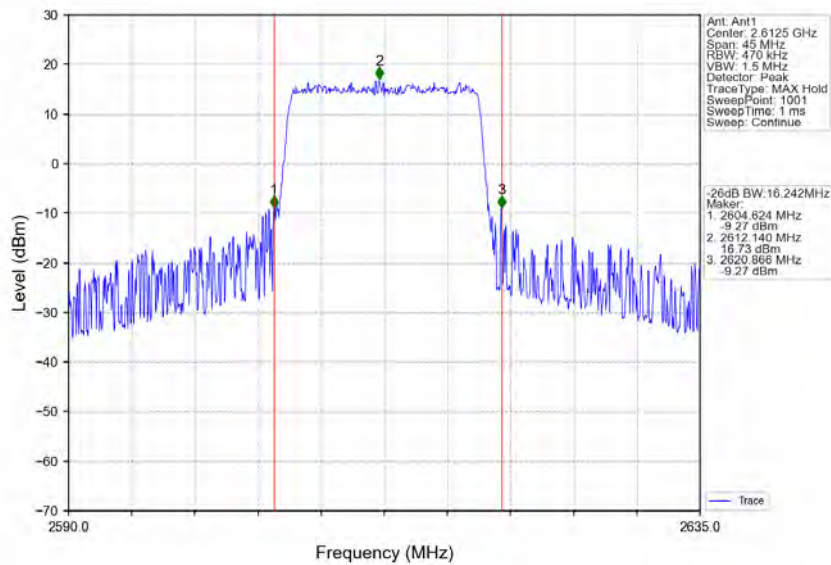
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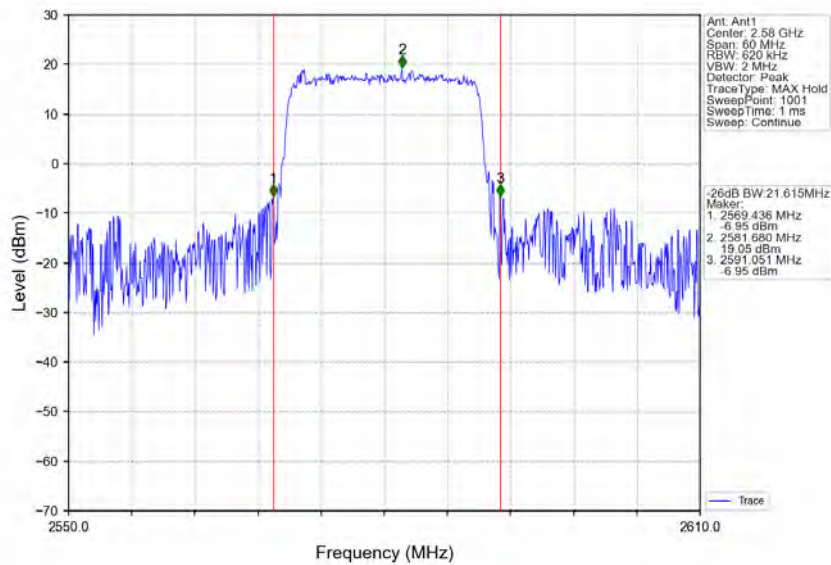
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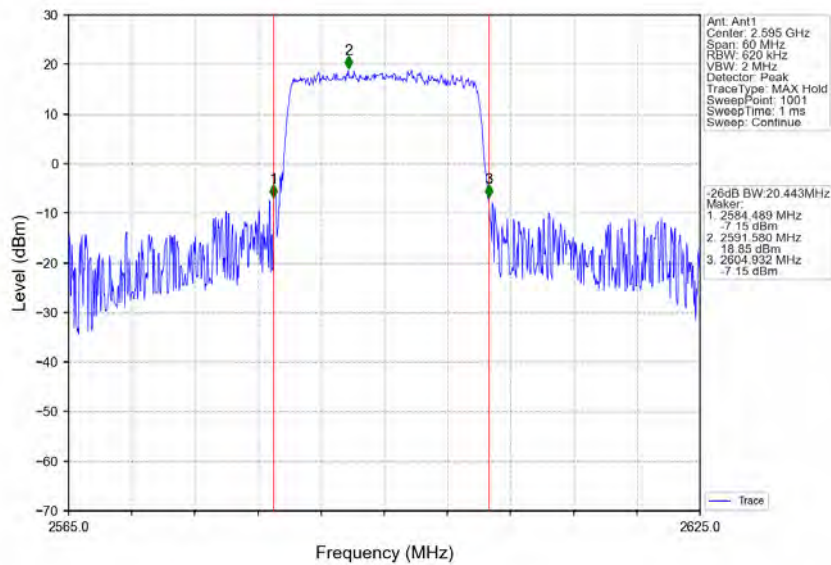
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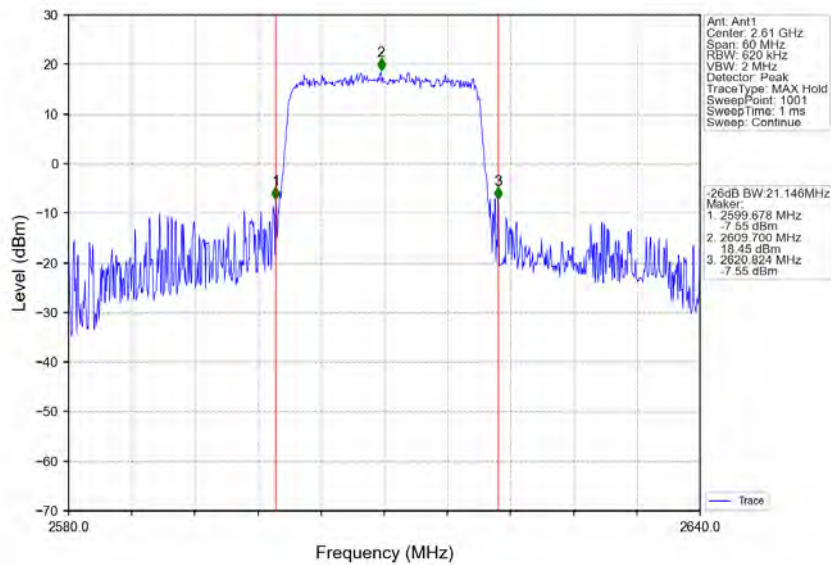
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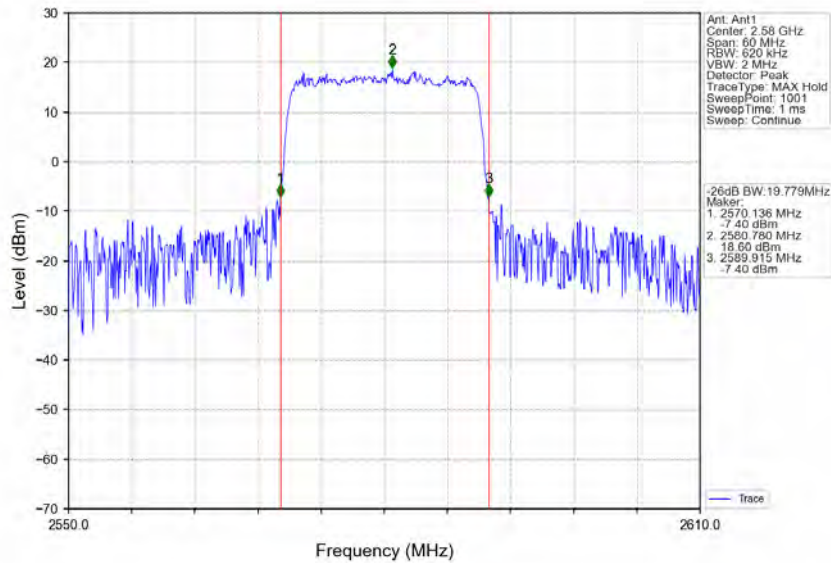
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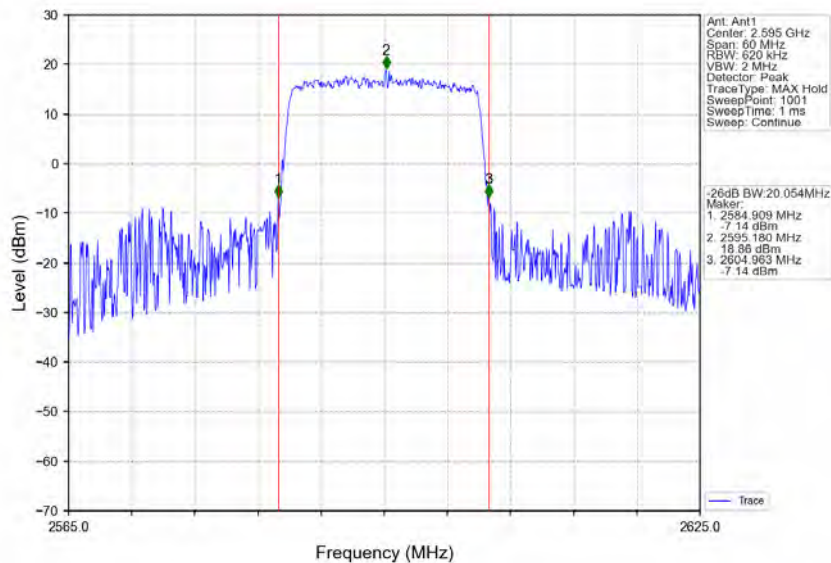
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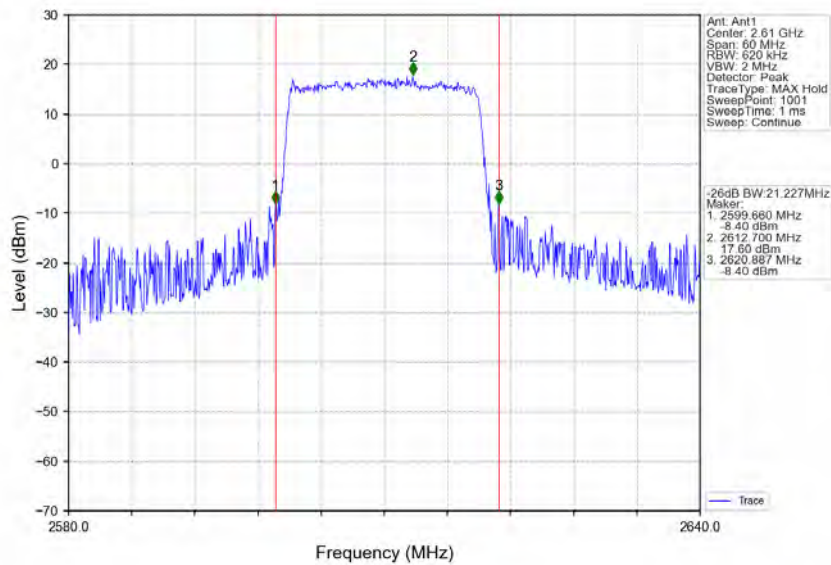
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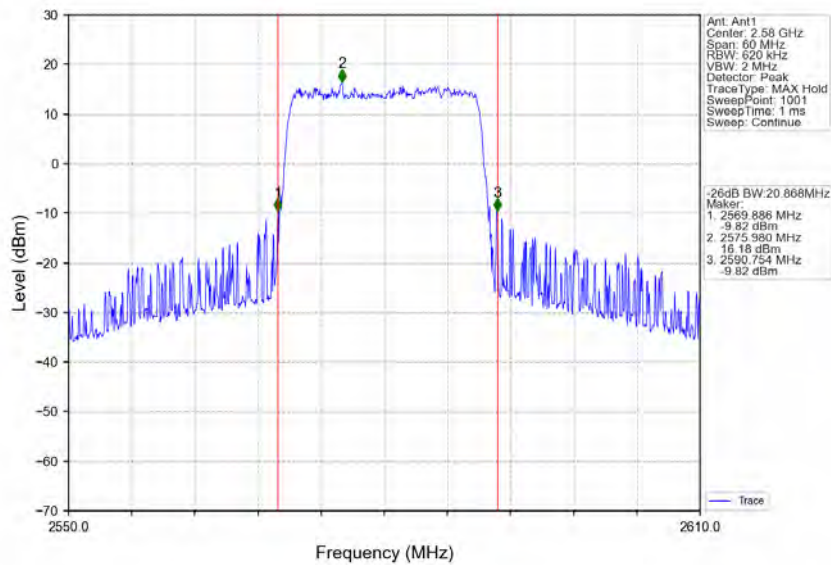
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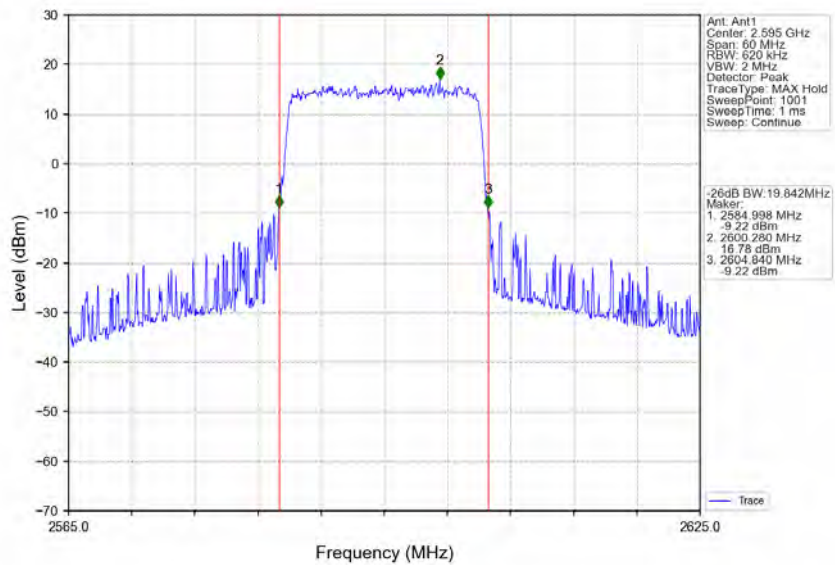
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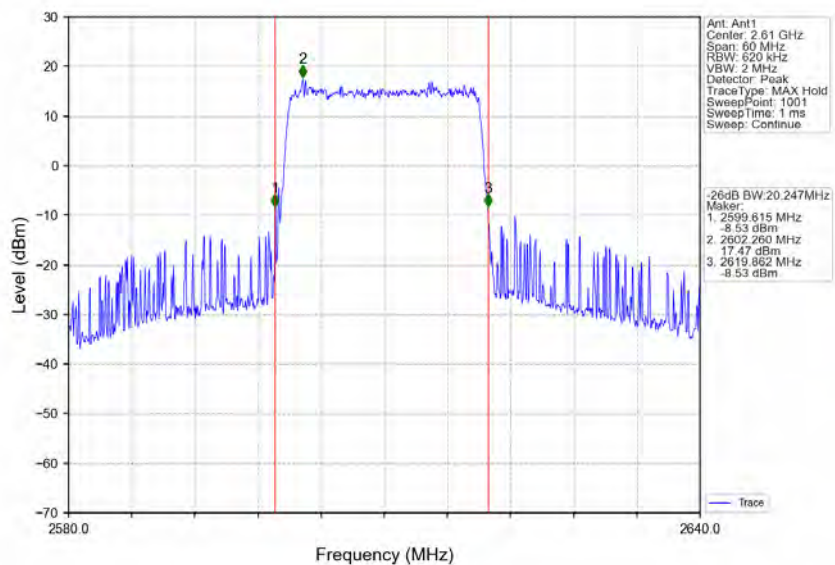
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Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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	7.06	<=13	Pass
	2595	25	0	7.04	<=13	Pass
	2617.5	25	0	6.96	<=13	Pass
16QAM	2572.5	25	0	8.01	<=13	Pass
	2595	25	0	8.04	<=13	Pass
	2617.5	25	0	7.89	<=13	Pass
64QAM	2572.5	25	0	8.61	<=13	Pass
	2595	25	0	8.49	<=13	Pass
	2617.5	25	0	8.54	<=13	Pass



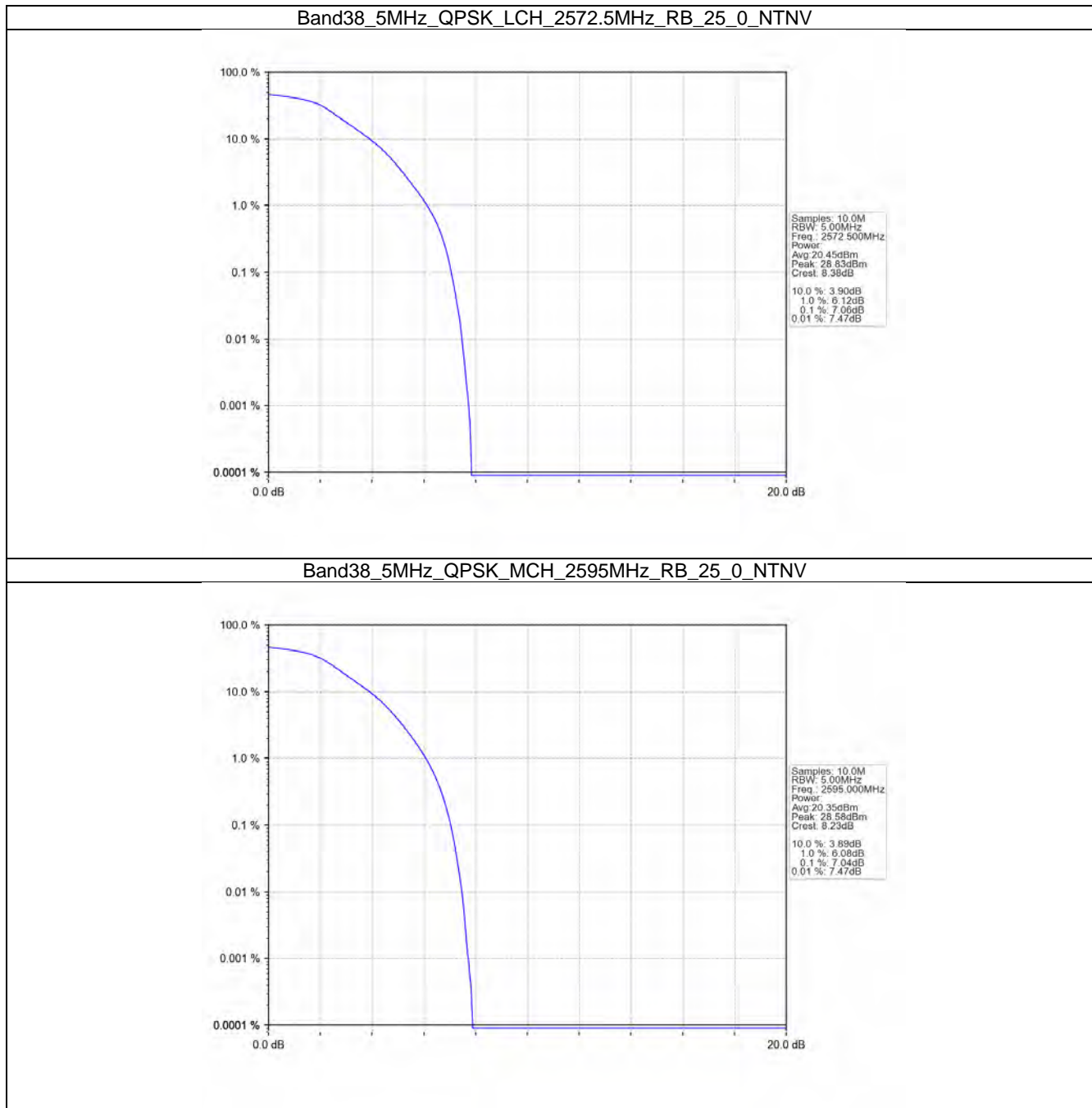
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5.1.2 Test Graph



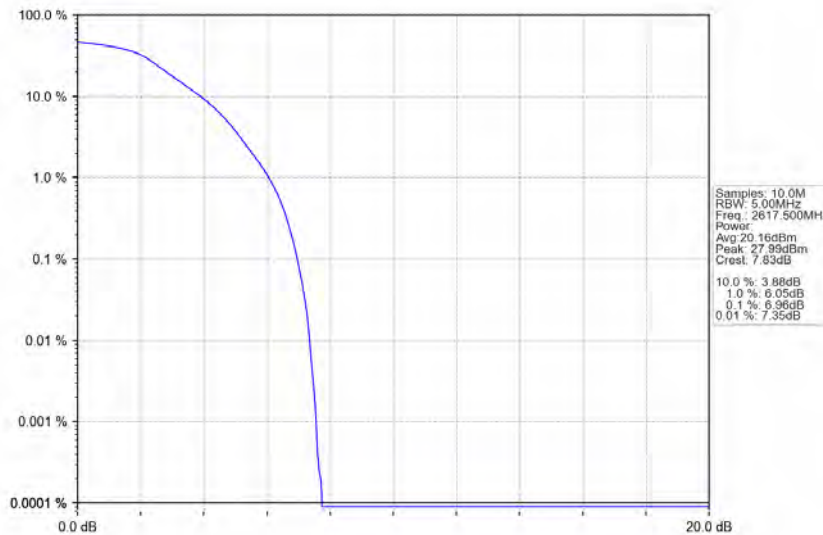
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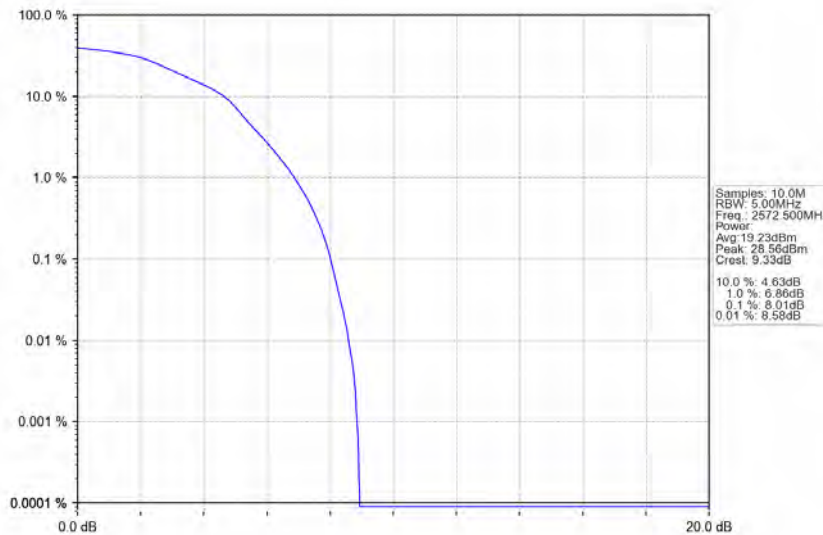
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Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



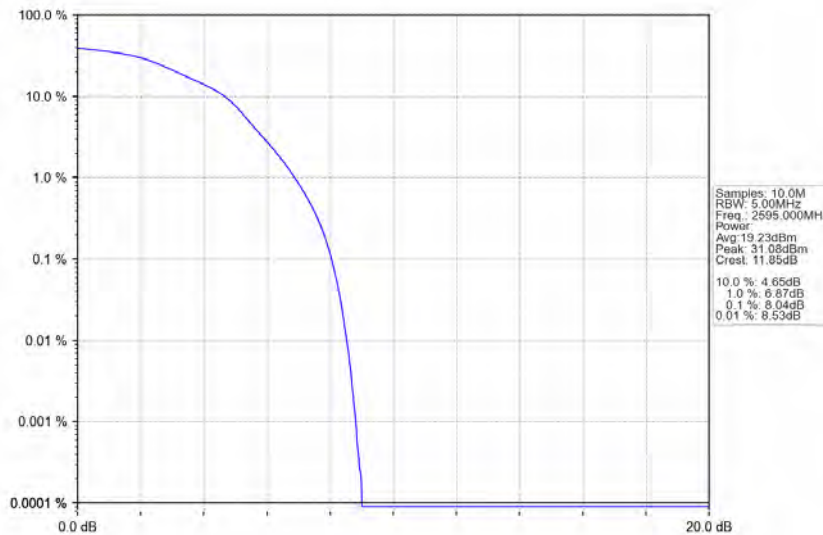
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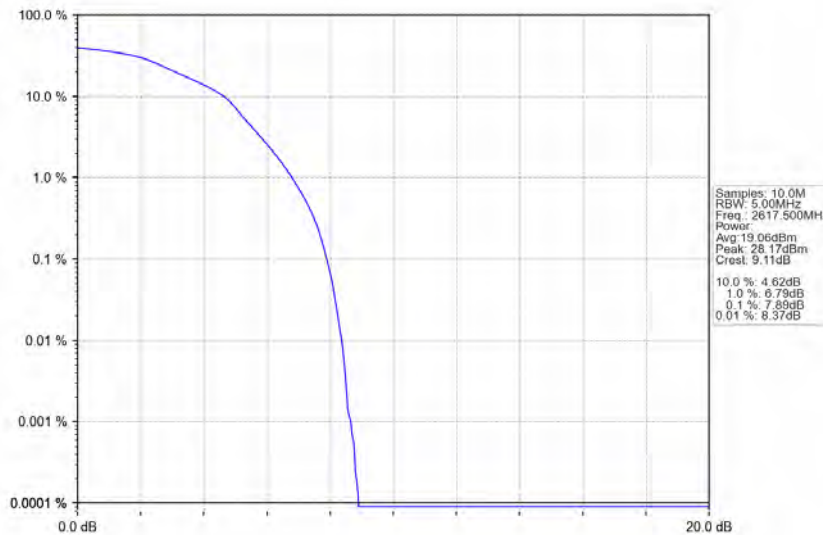
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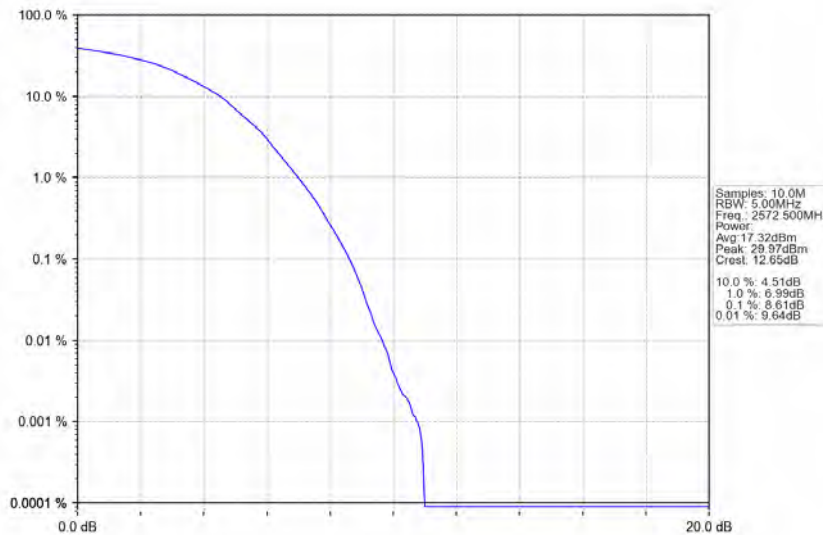
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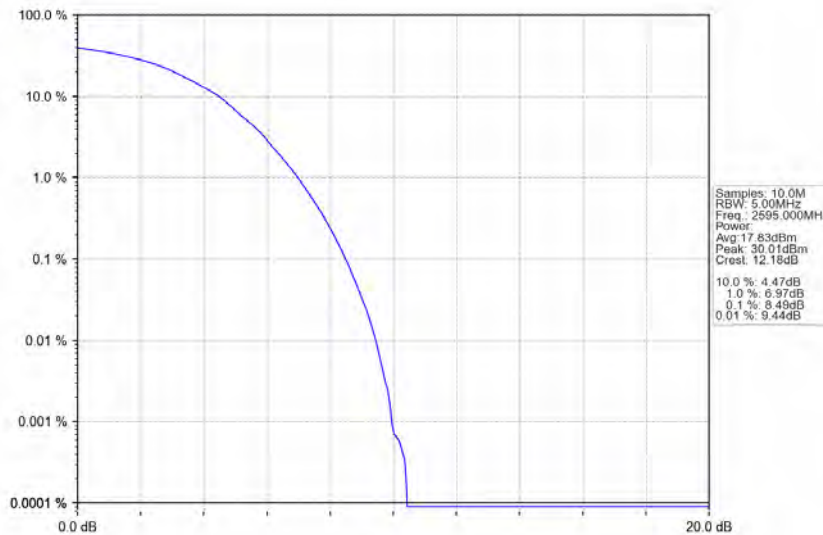
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Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



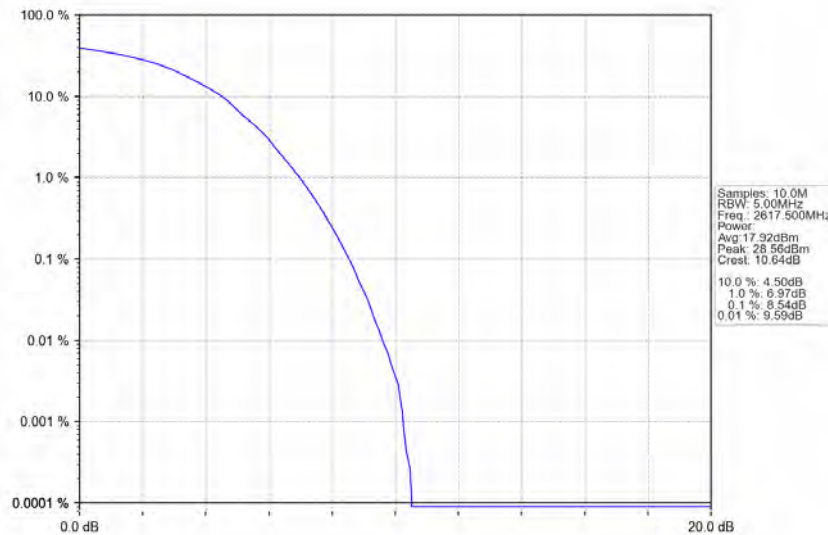
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5.2 B38_10MHz

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	7.60	<=13	Pass
	2595	50	0	7.61	<=13	Pass
	2615	50	0	7.38	<=13	Pass
16QAM	2575	50	0	8.40	<=13	Pass
	2595	50	0	8.31	<=13	Pass
	2615	50	0	8.46	<=13	Pass
64QAM	2575	50	0	8.70	<=13	Pass
	2595	50	0	8.66	<=13	Pass
	2615	50	0	8.59	<=13	Pass

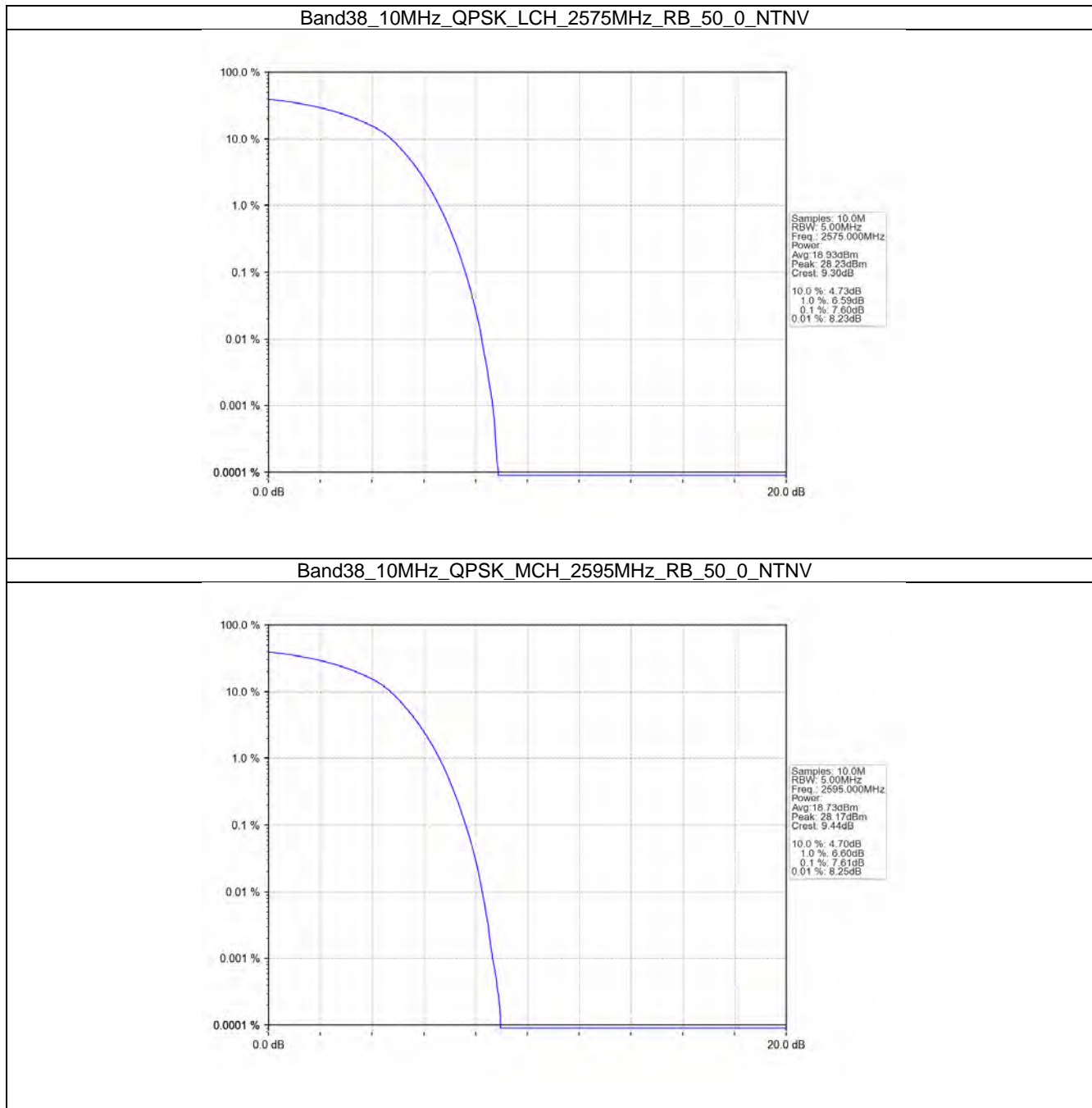


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5.2.2 Test Graph



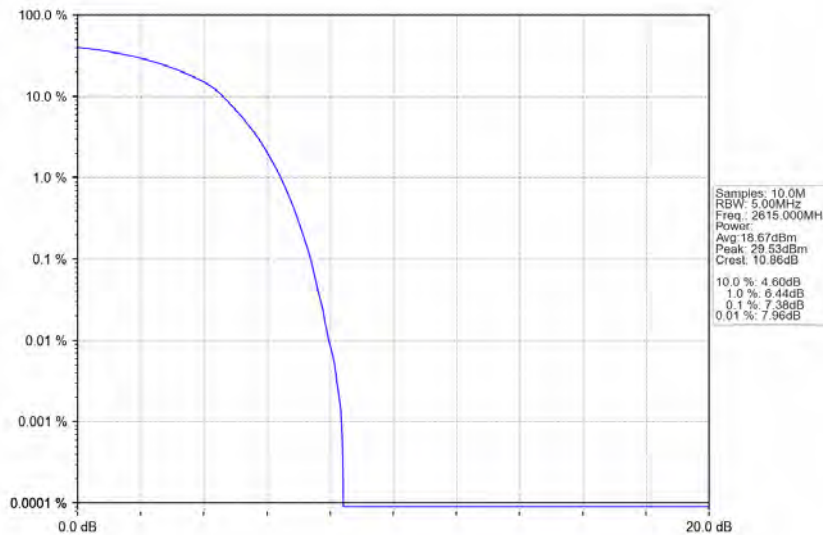
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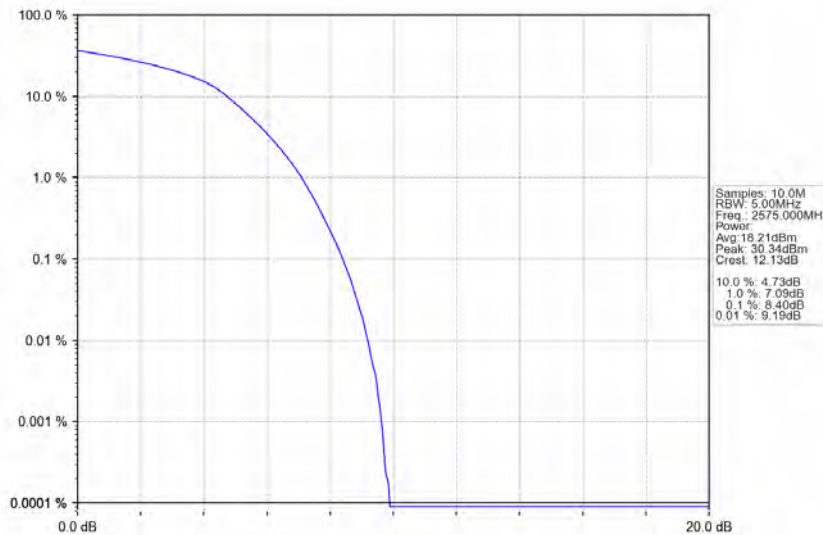
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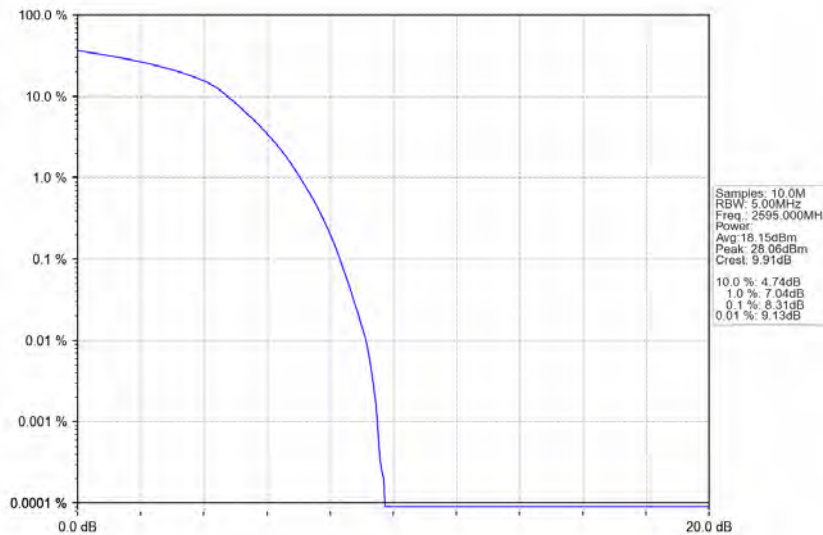
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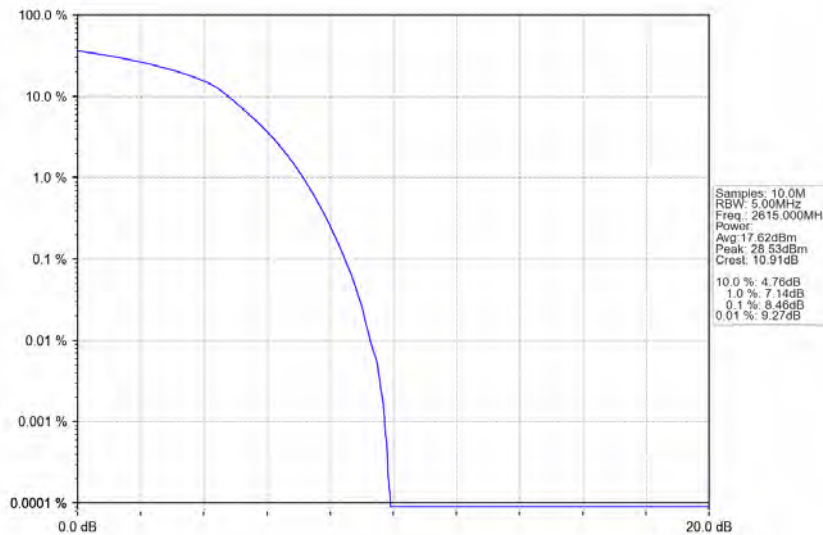
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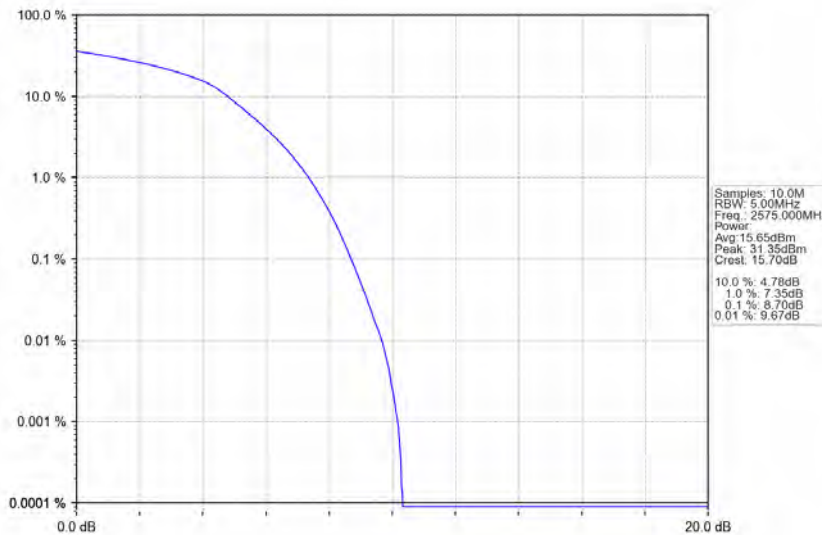
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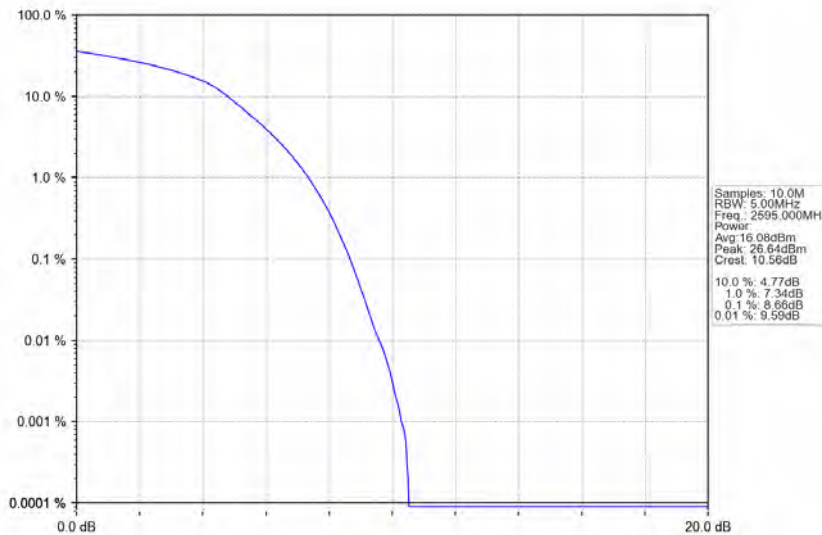
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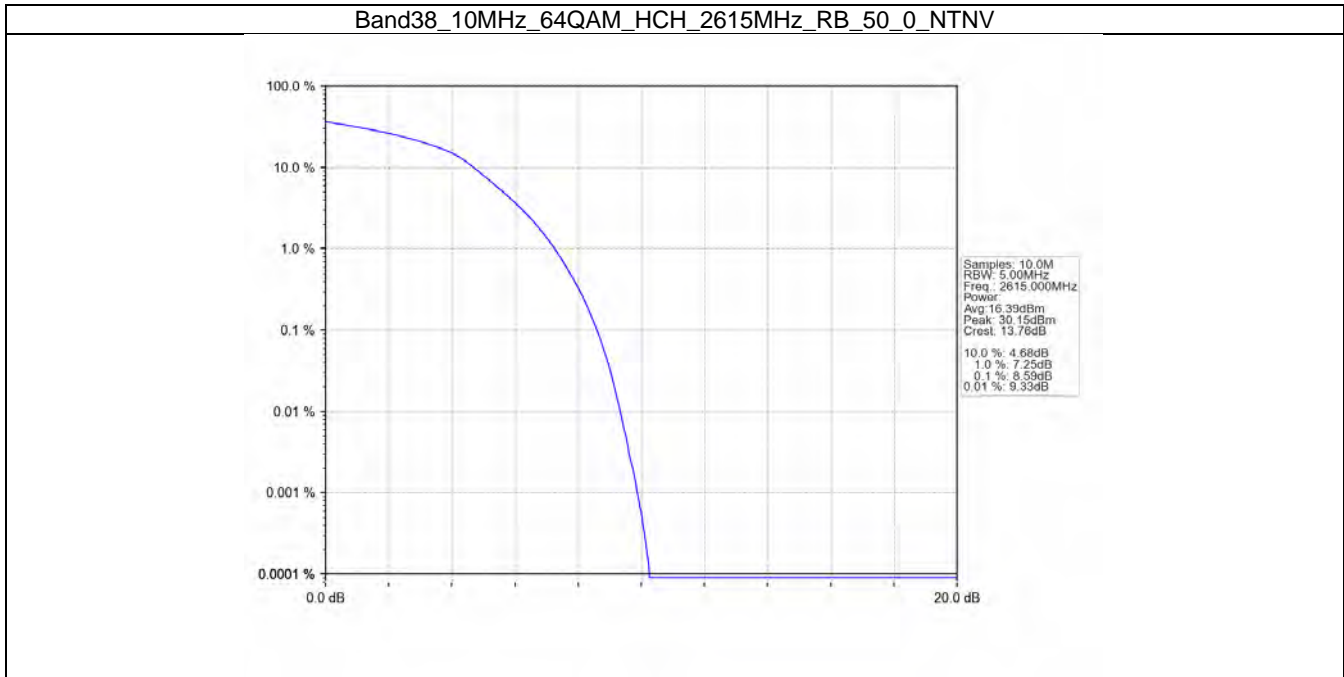


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5.3 B38_15MHz

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	8.38	<=13	Pass
	2595	75	0	8.27	<=13	Pass
	2612.5	75	0	8.34	<=13	Pass
16QAM	2577.5	75	0	8.97	<=13	Pass
	2595	75	0	9.08	<=13	Pass
	2612.5	75	0	9.07	<=13	Pass
64QAM	2577.5	75	0	9.11	<=13	Pass
	2595	75	0	9.18	<=13	Pass
	2612.5	75	0	9.16	<=13	Pass

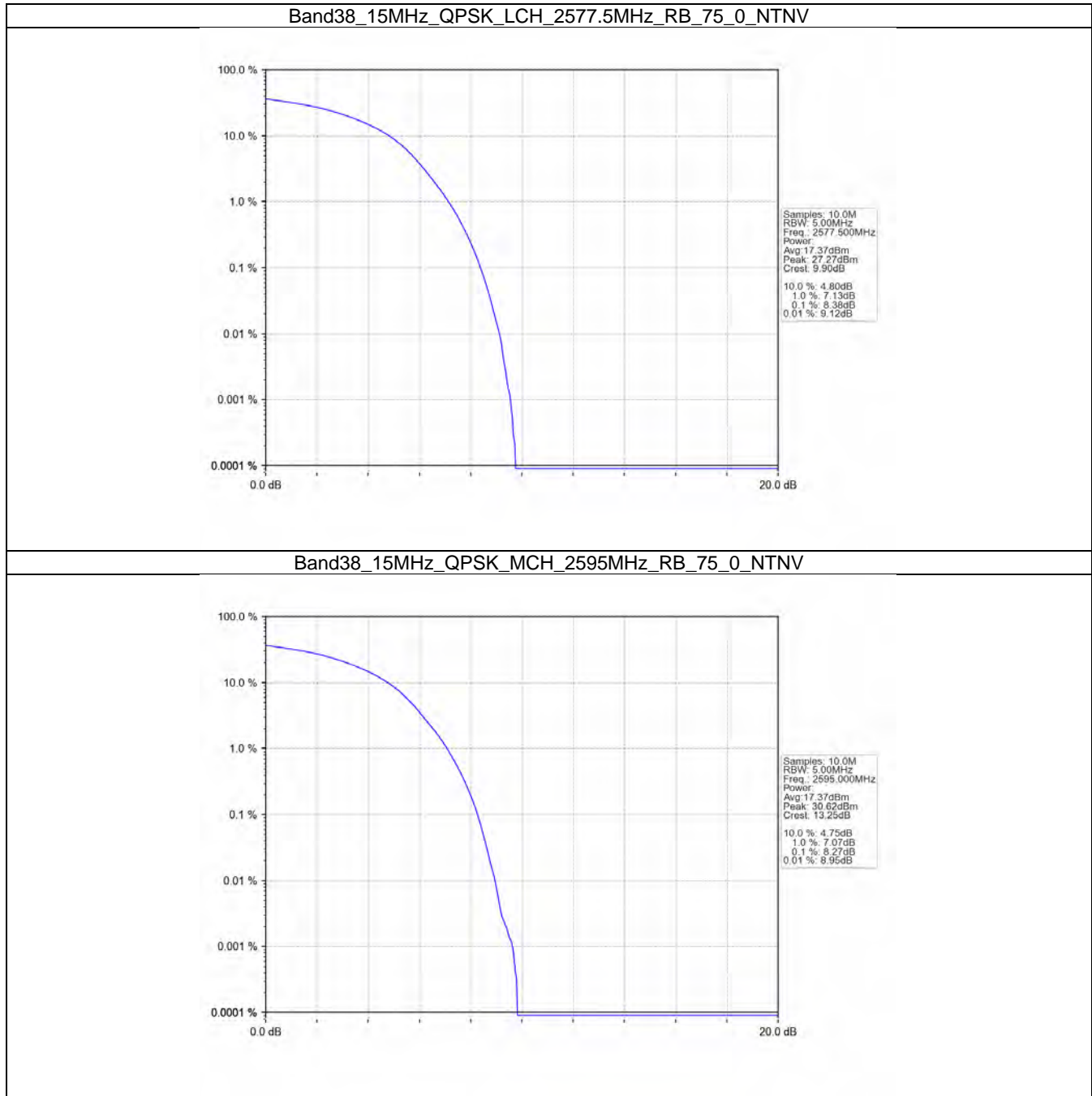


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5.3.2 Test Graph



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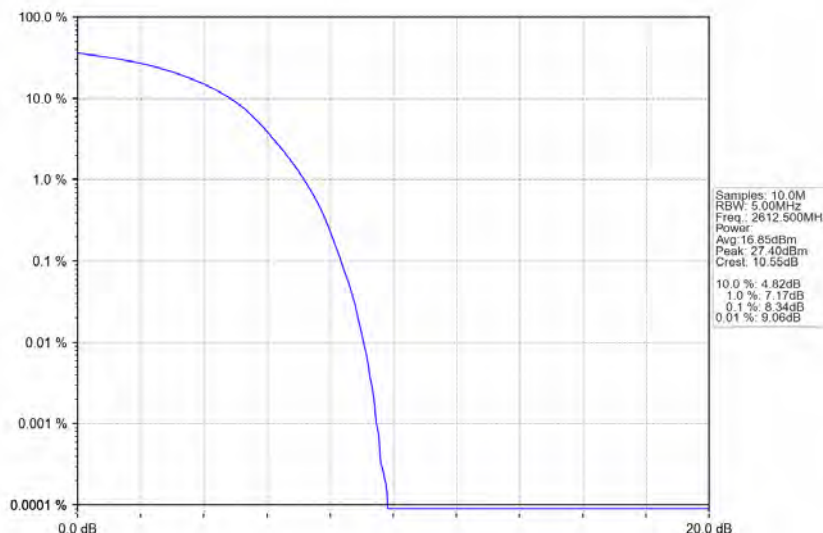
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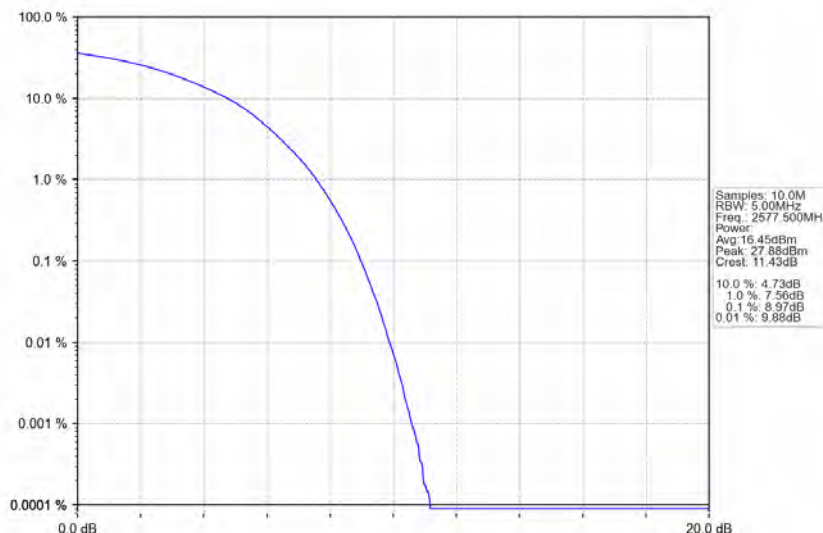
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



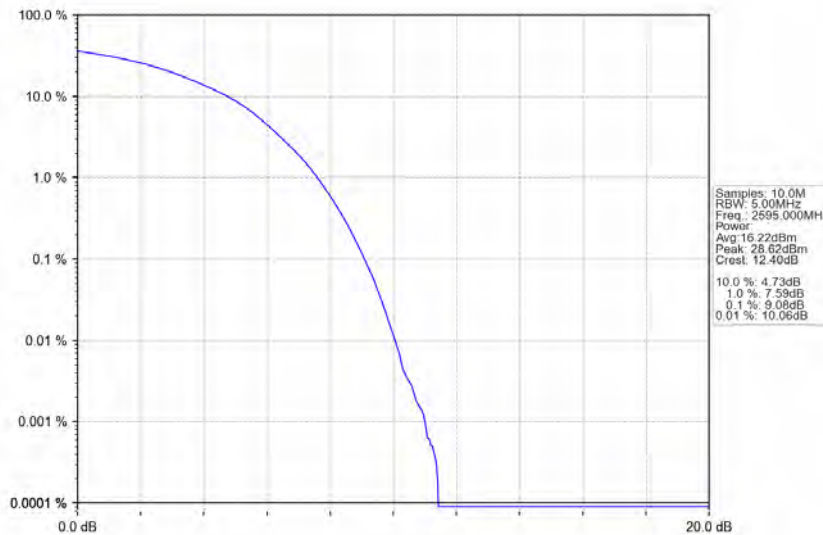
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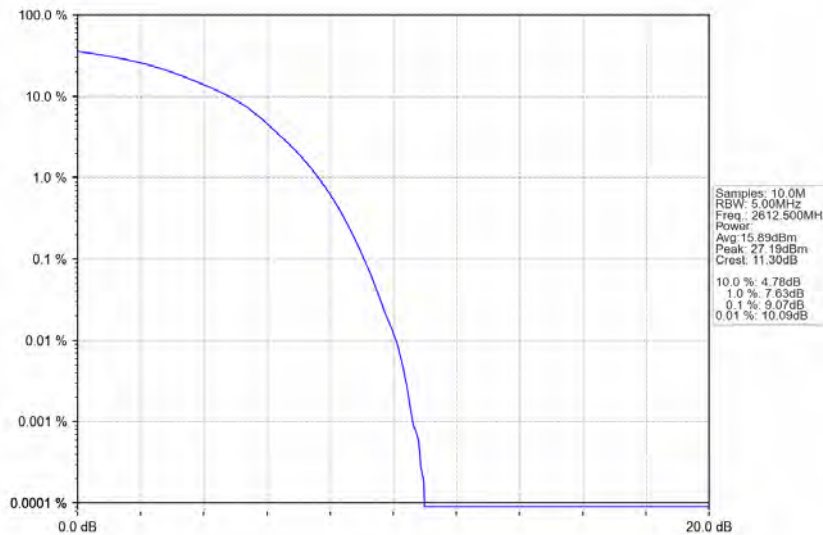
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Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



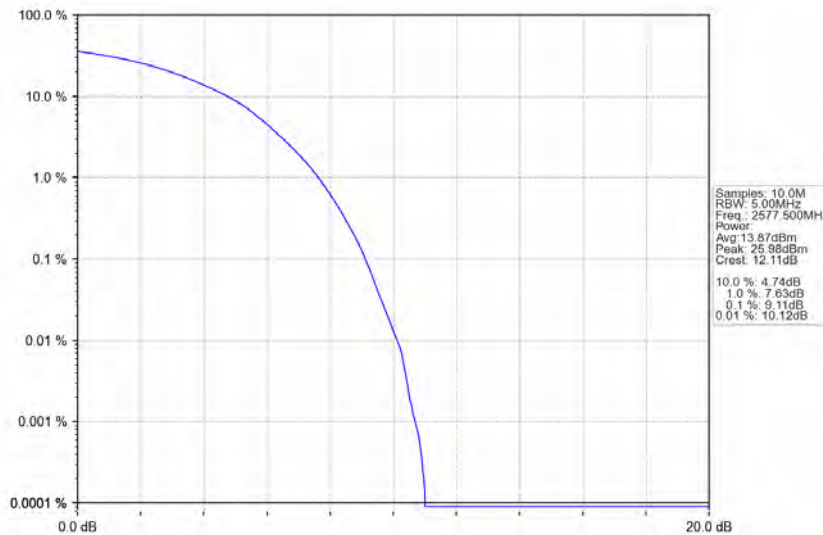
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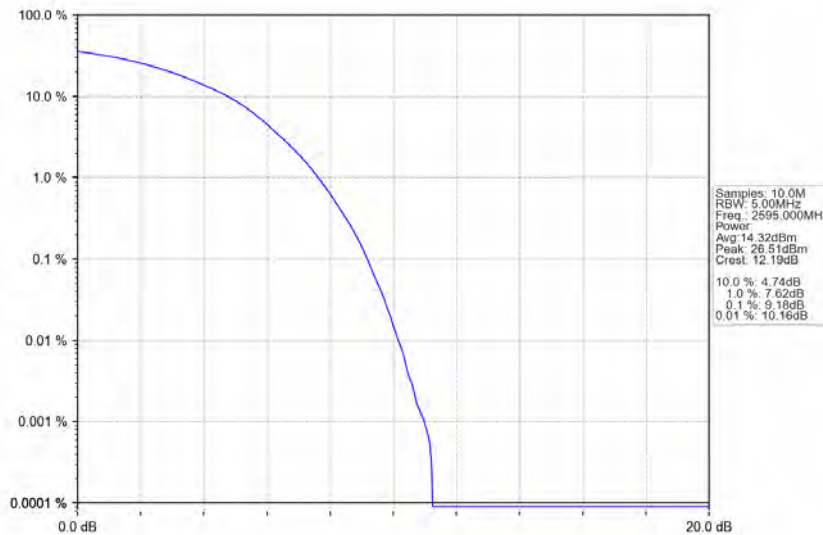
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



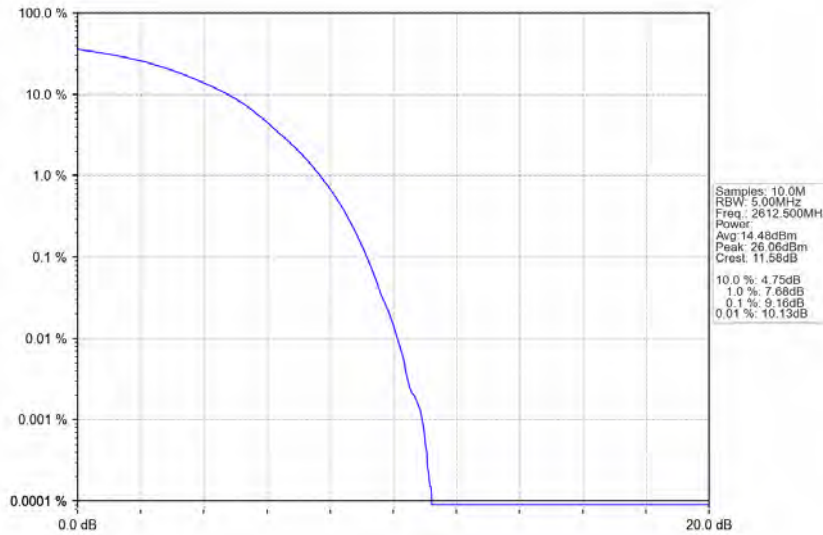
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



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5.4 B38_20MHz

5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	8.85	<=13	Pass
	2595	100	0	8.75	<=13	Pass
	2610	100	0	8.78	<=13	Pass
16QAM	2580	100	0	9.40	<=13	Pass
	2595	100	0	9.30	<=13	Pass
	2610	100	0	9.29	<=13	Pass
64QAM	2580	100	0	9.30	<=13	Pass
	2595	100	0	9.37	<=13	Pass
	2610	100	0	9.42	<=13	Pass



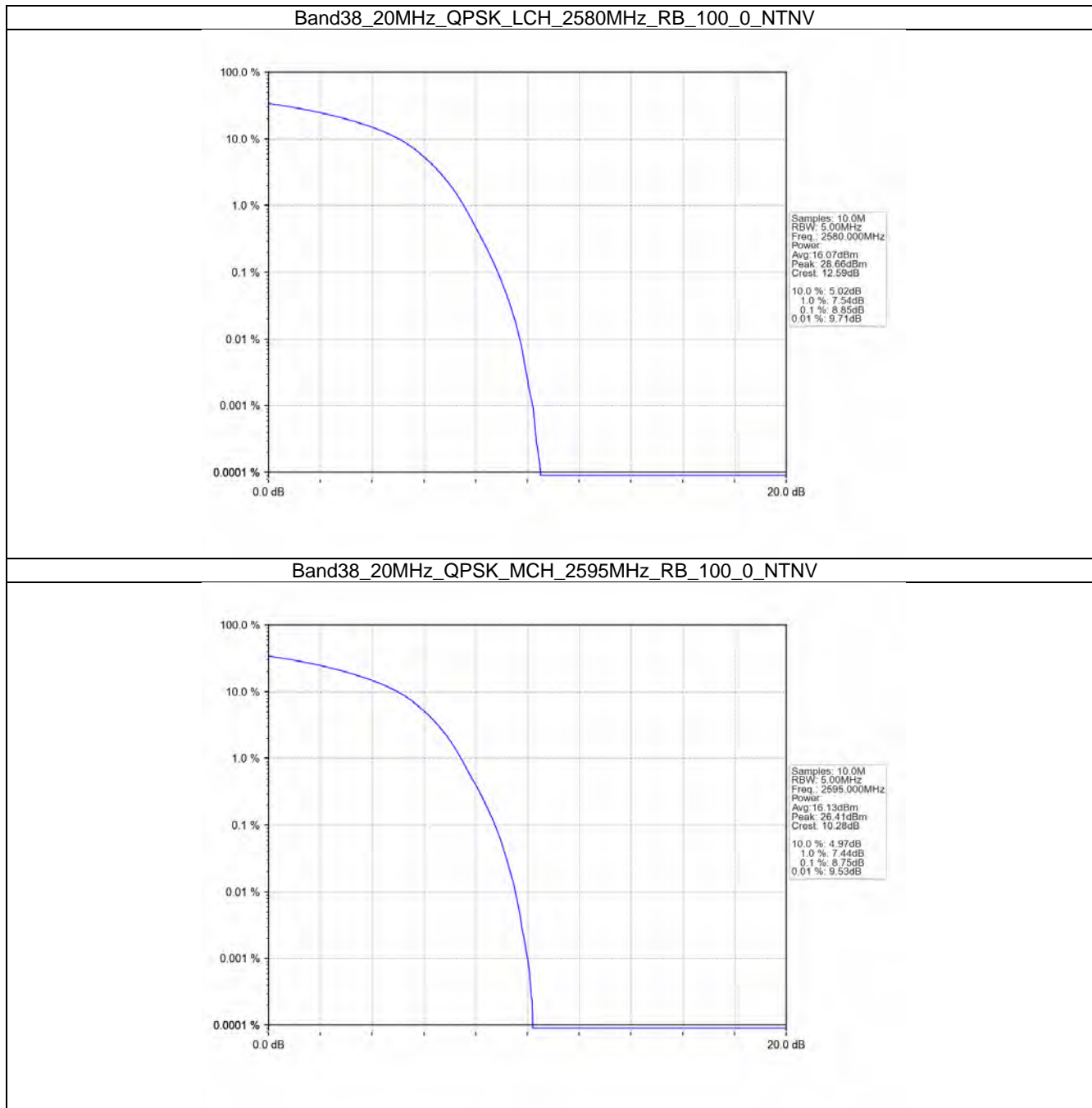
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5.4.2 Test Graph



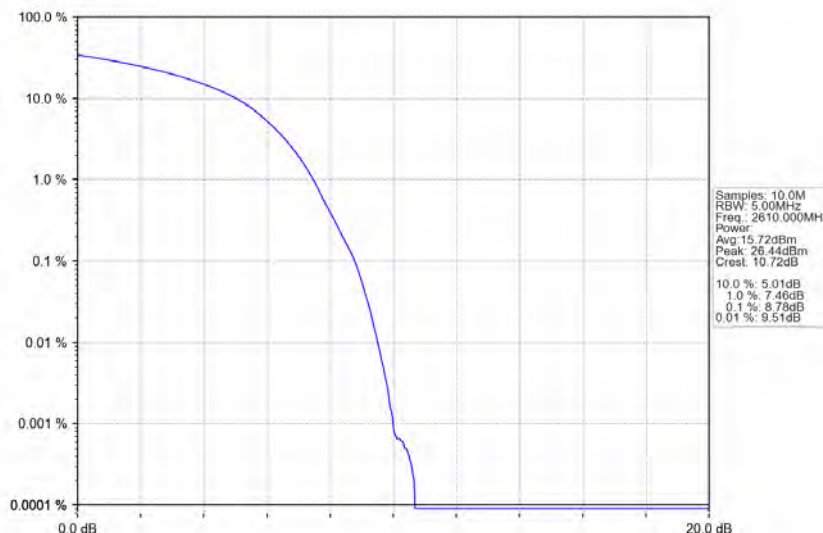
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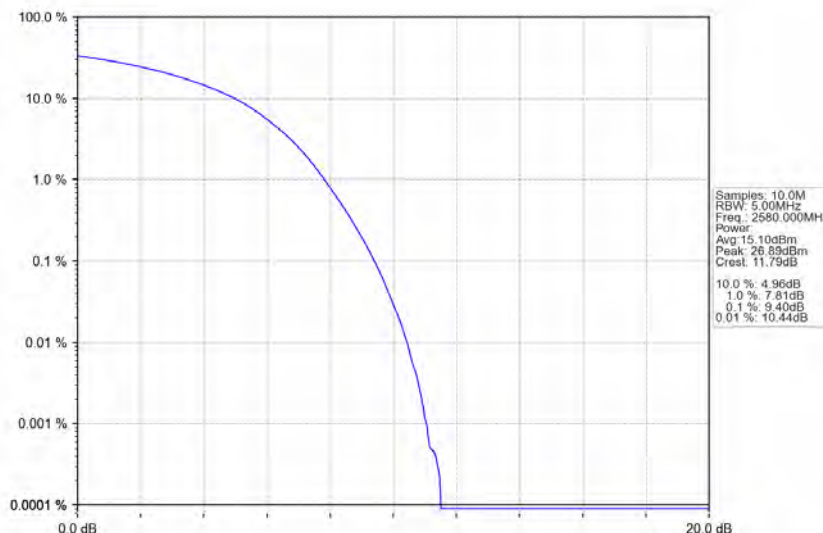
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV

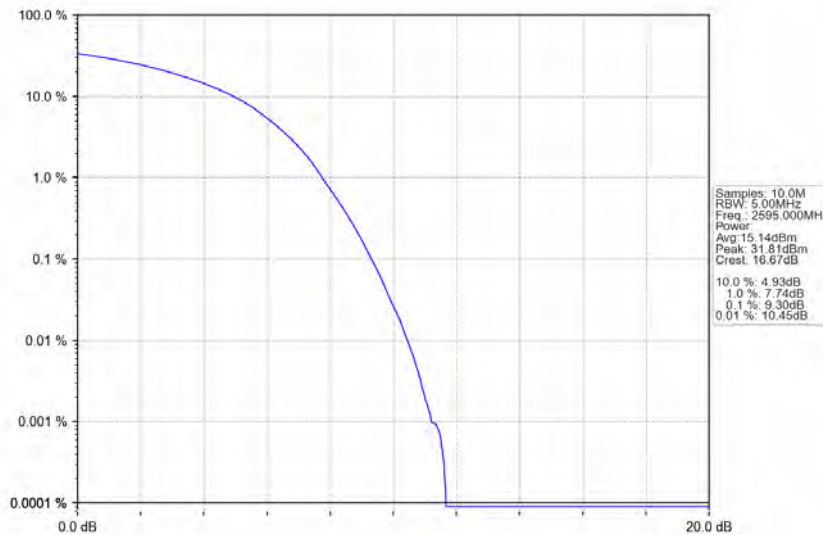


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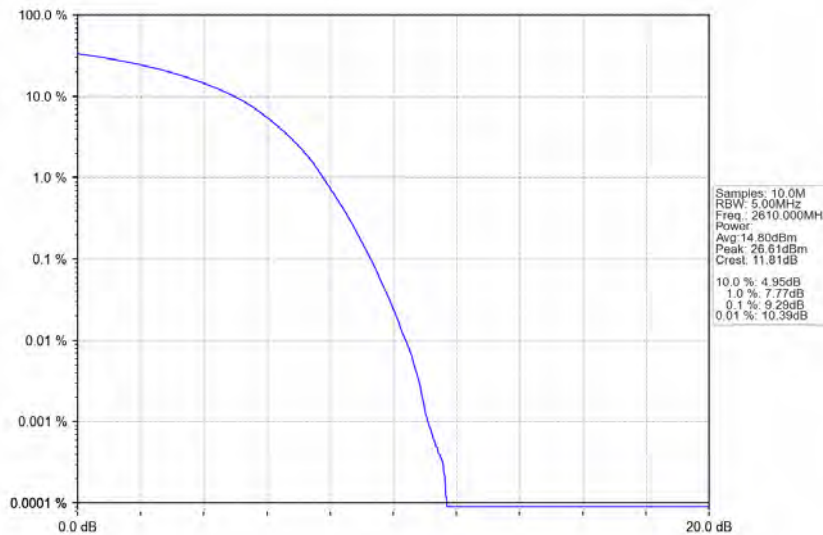
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Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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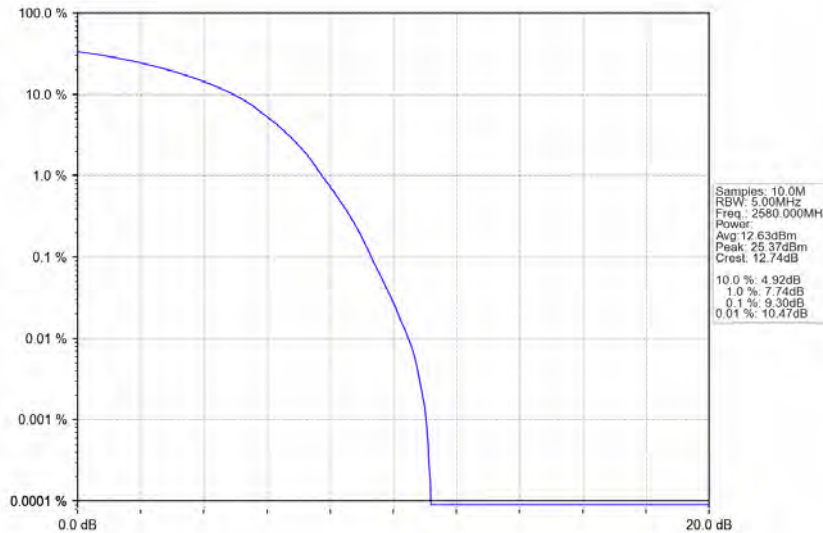
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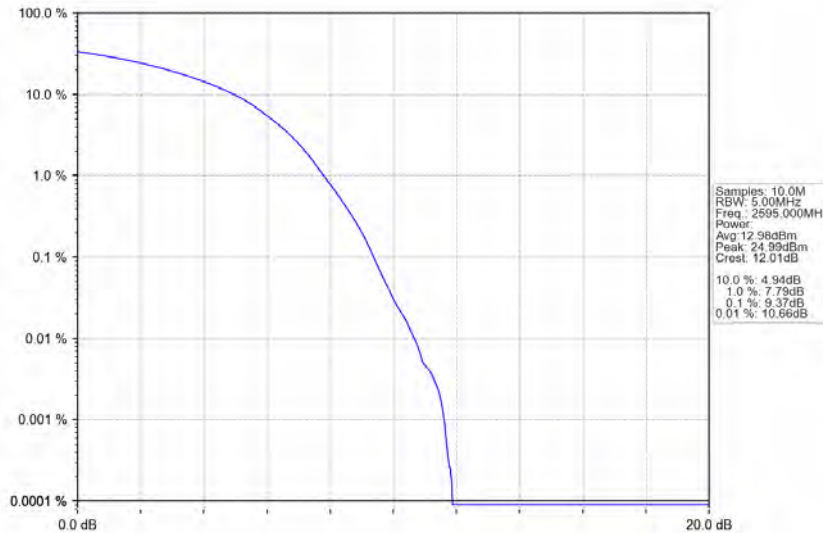
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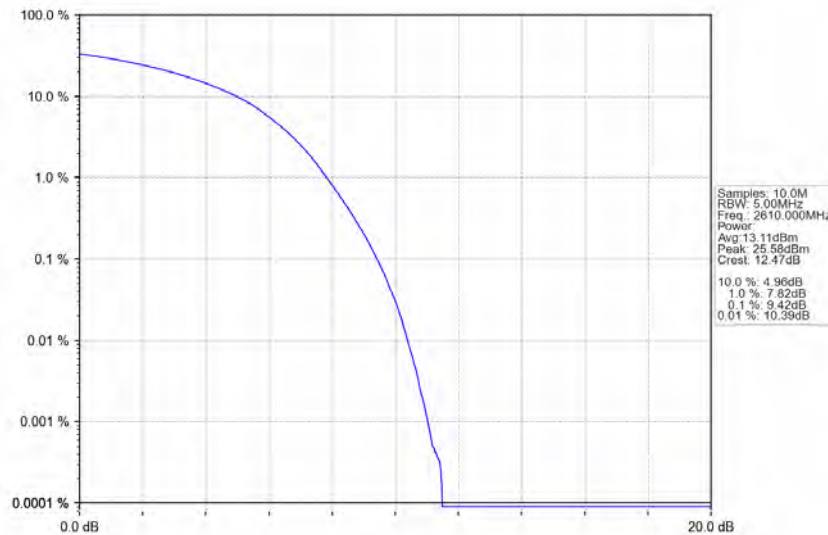
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6. Spurious Emission

6.1 B38_5MHz

6.1.1 Test Result

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



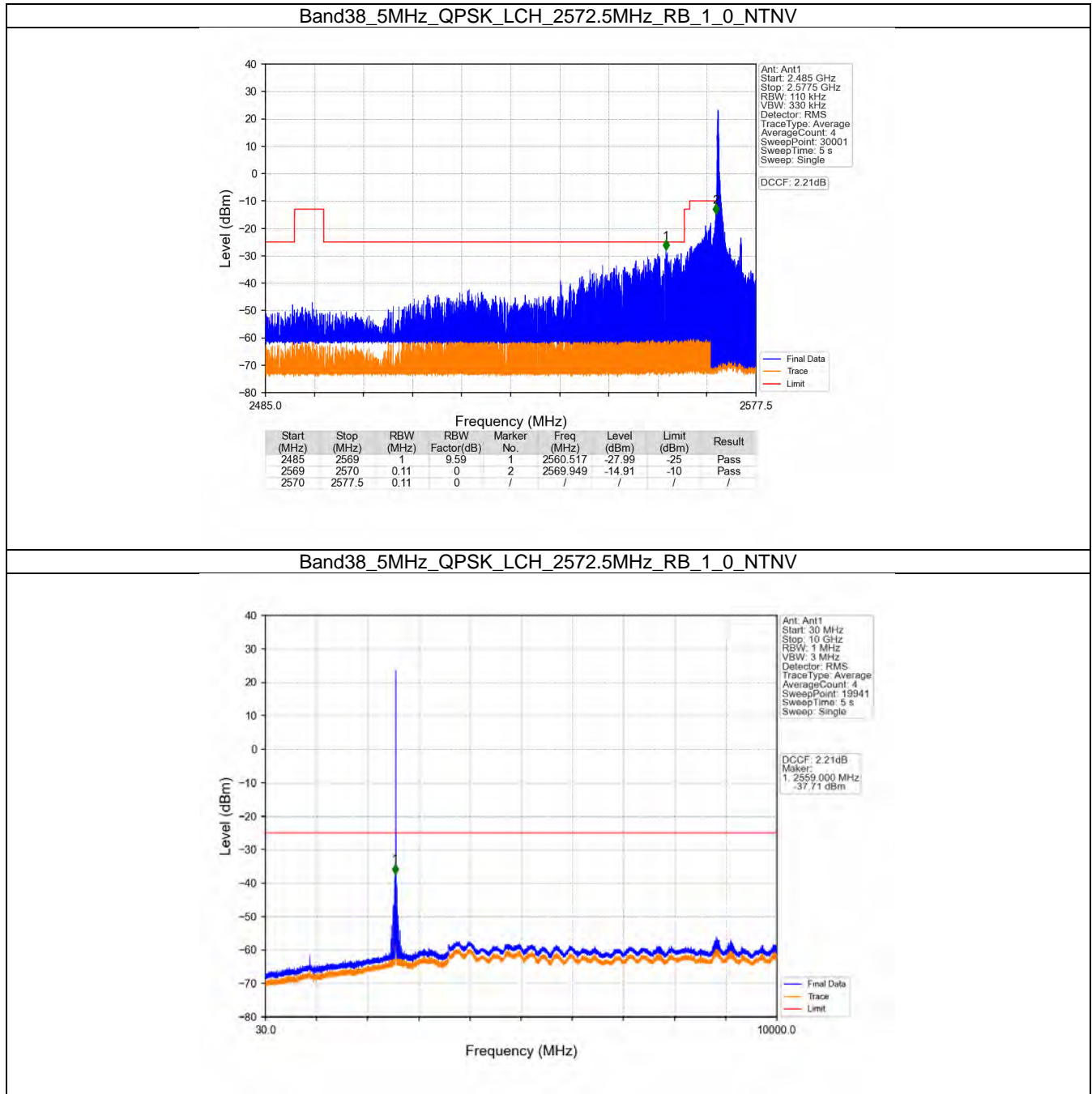
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6.1.2 Test Graph

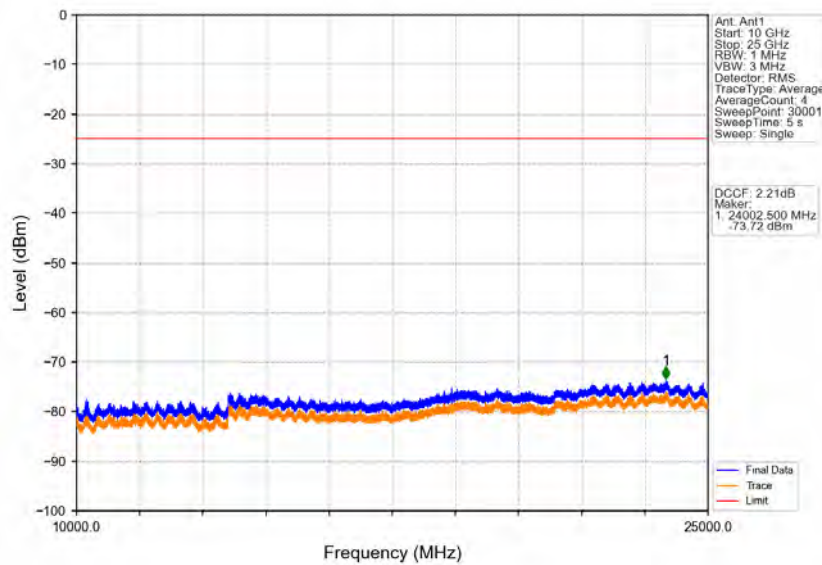


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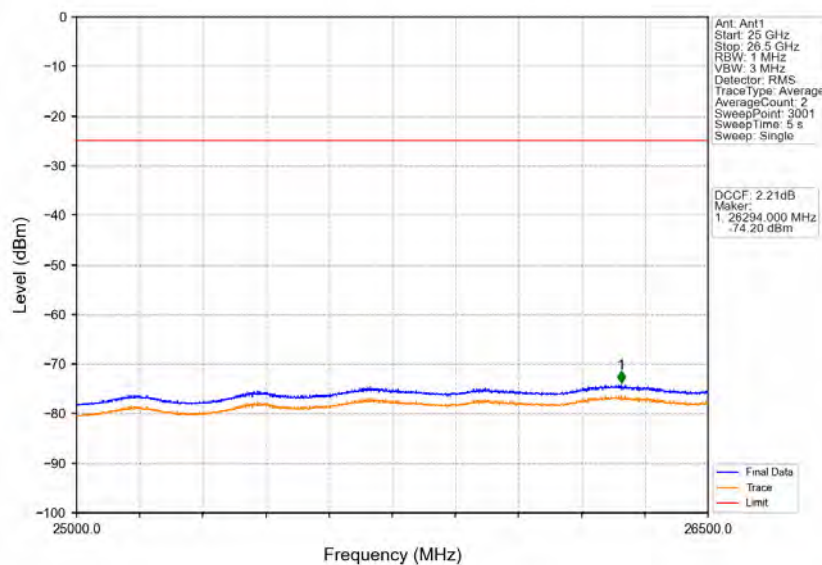
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Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



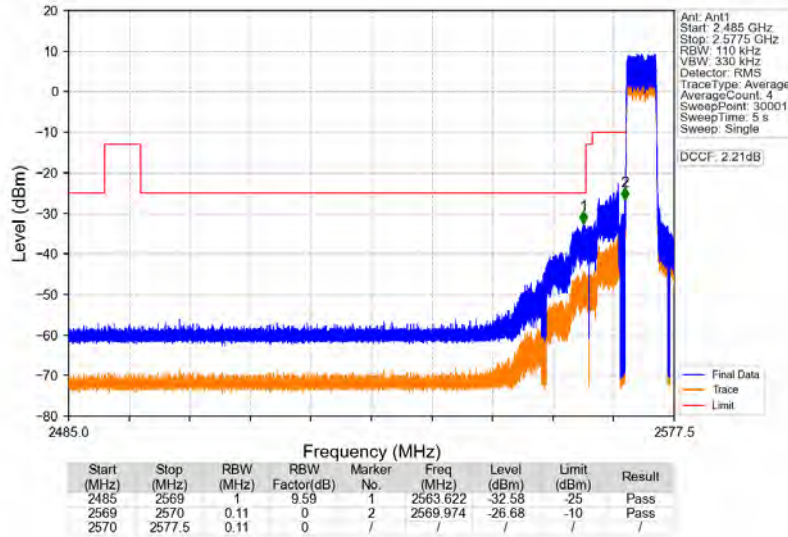
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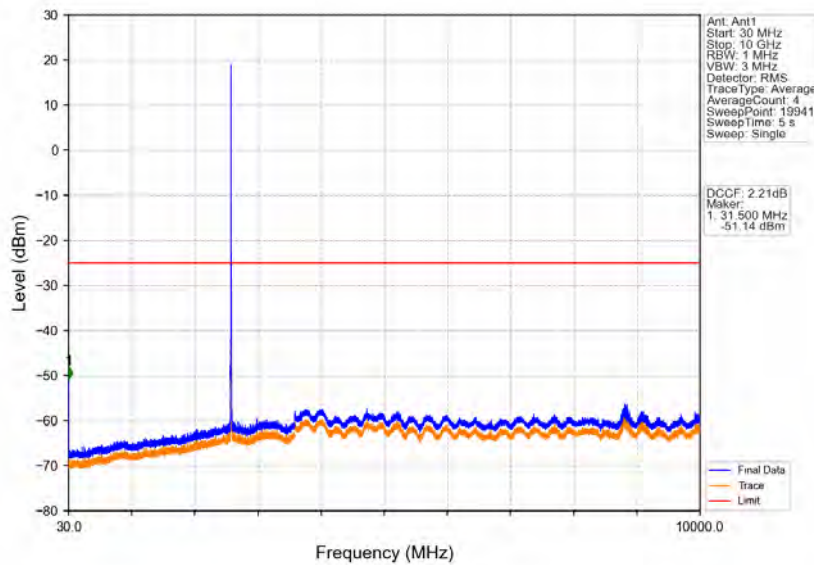
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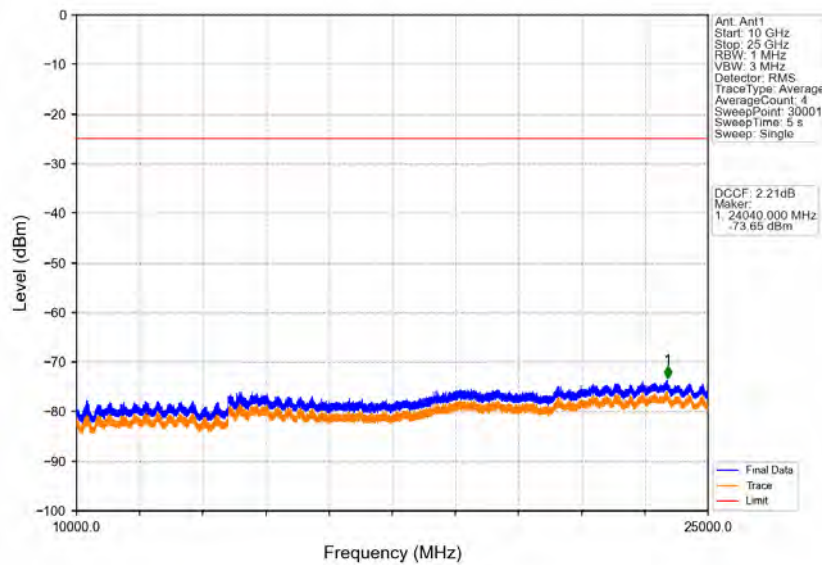


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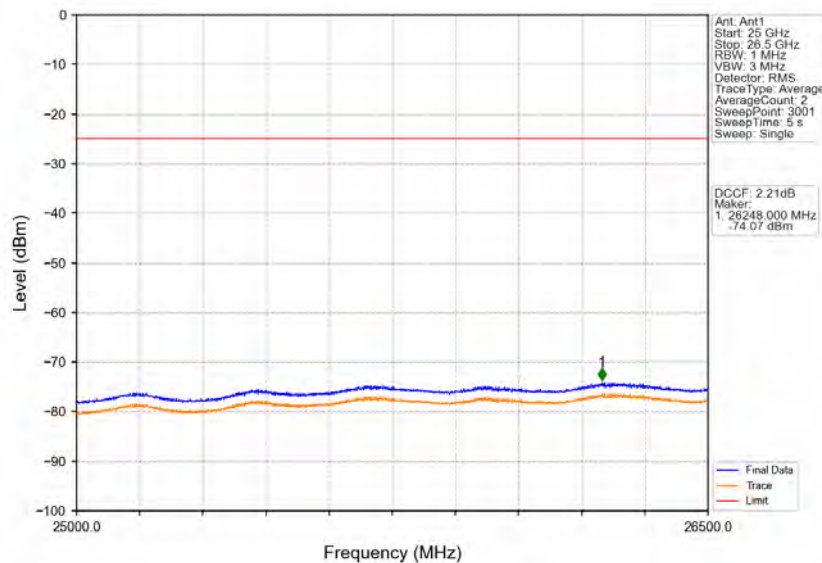
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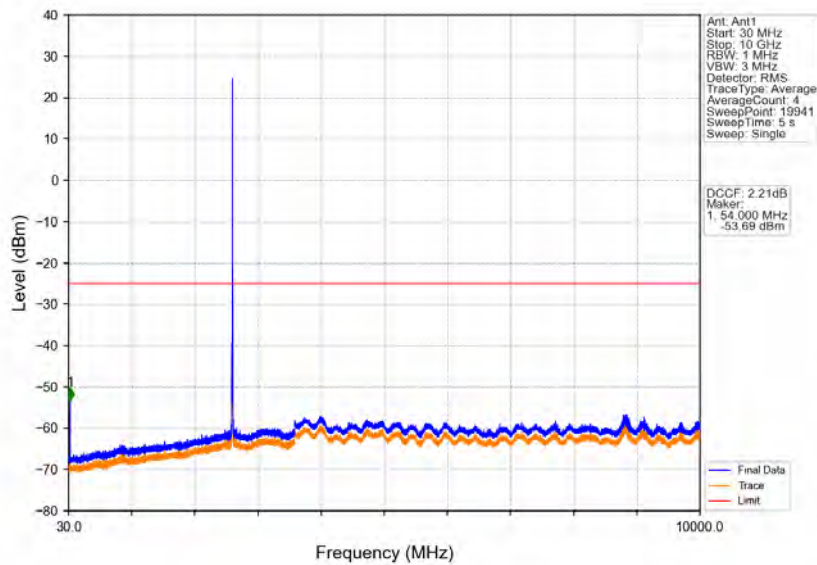
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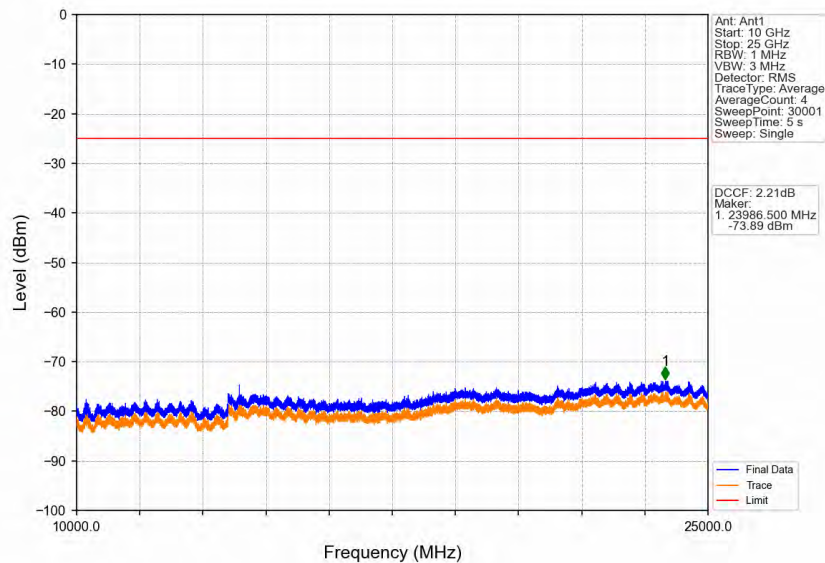
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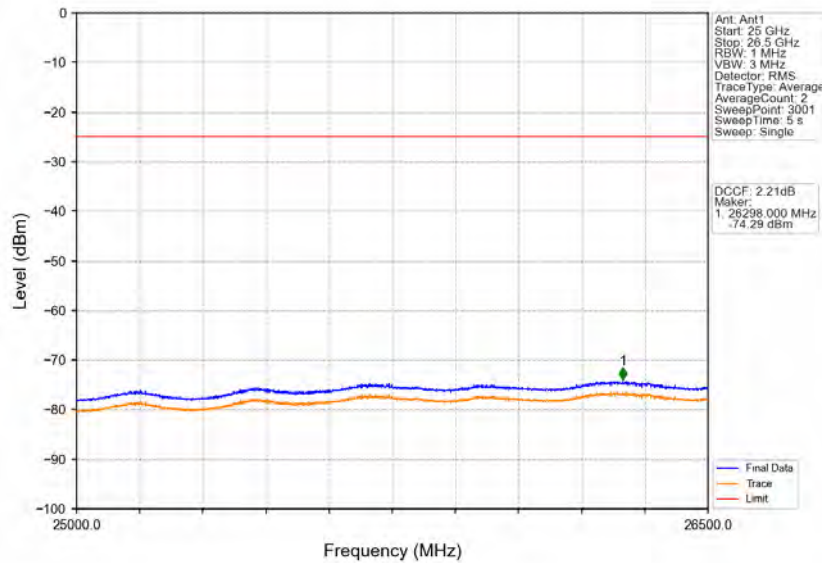
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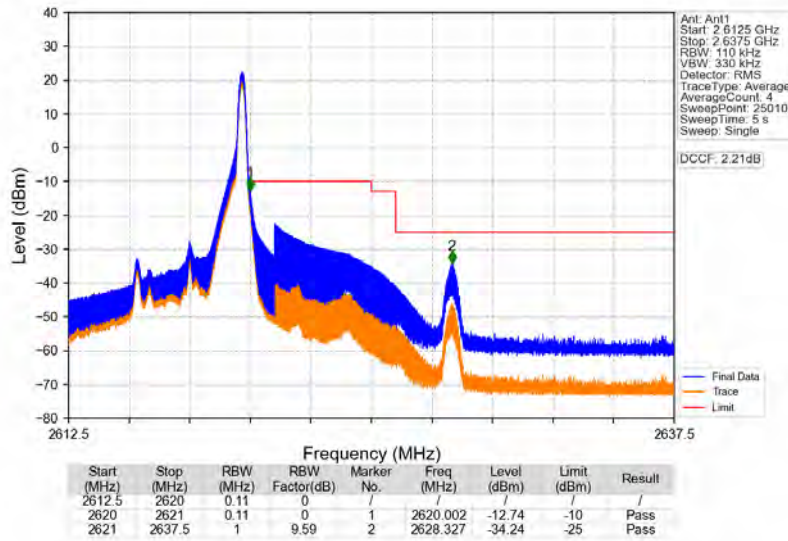
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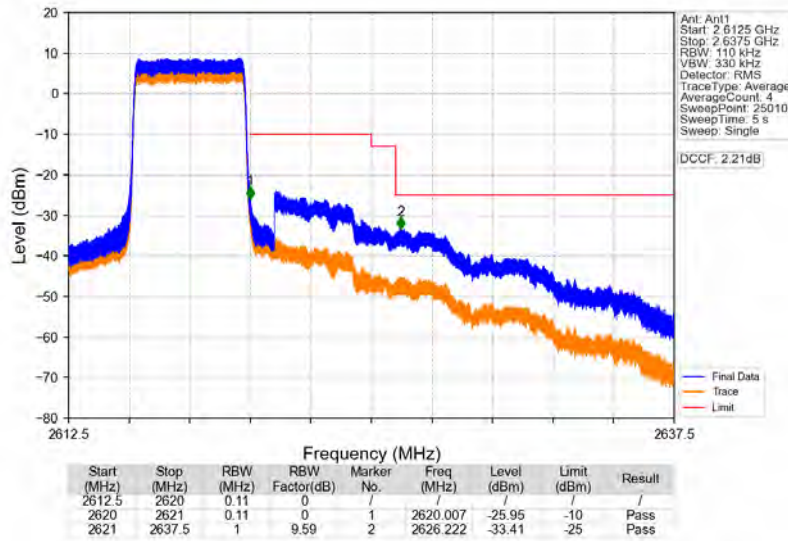
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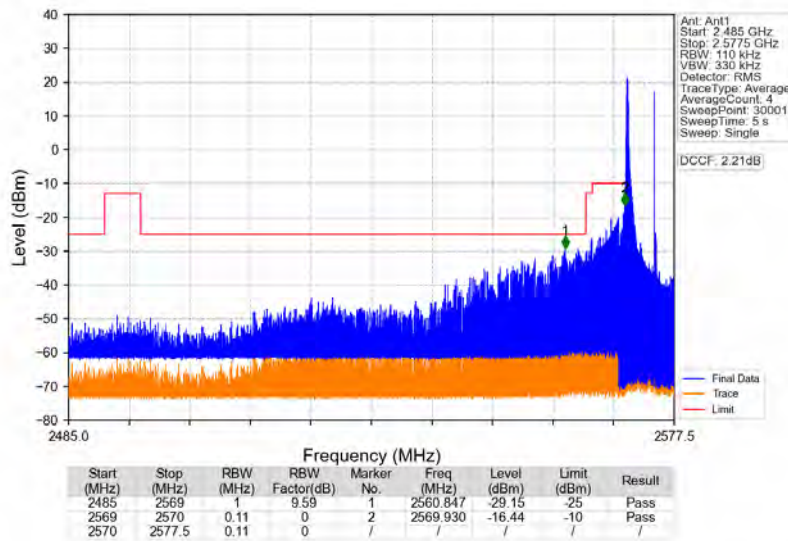
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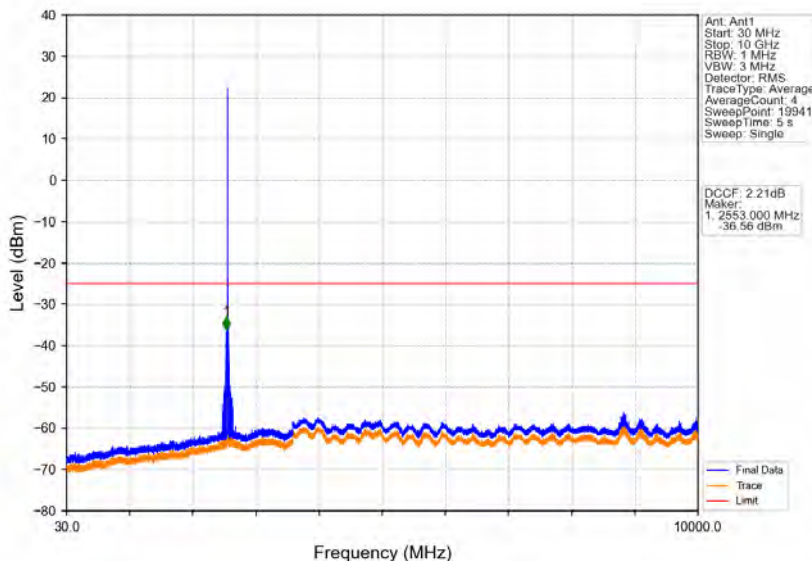
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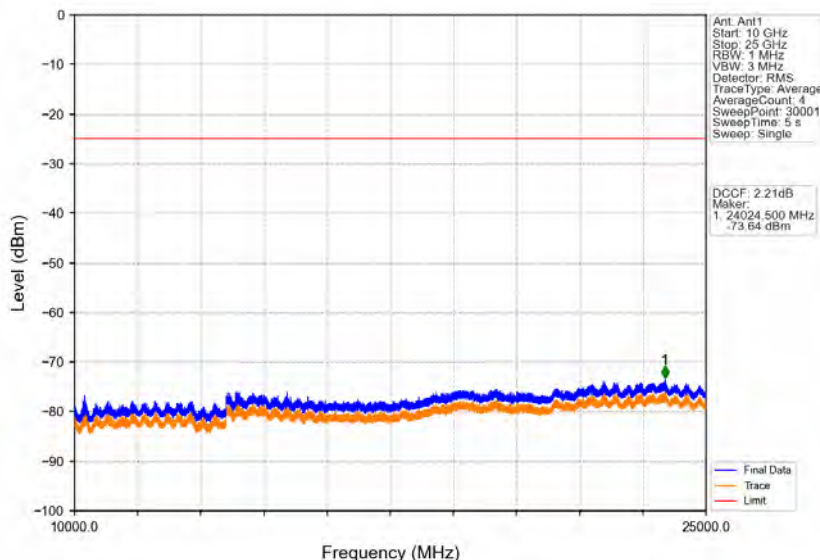
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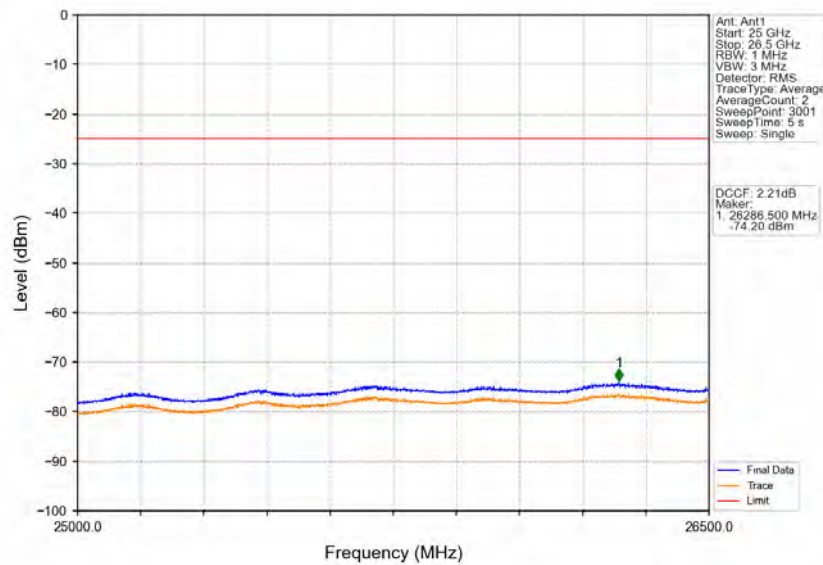
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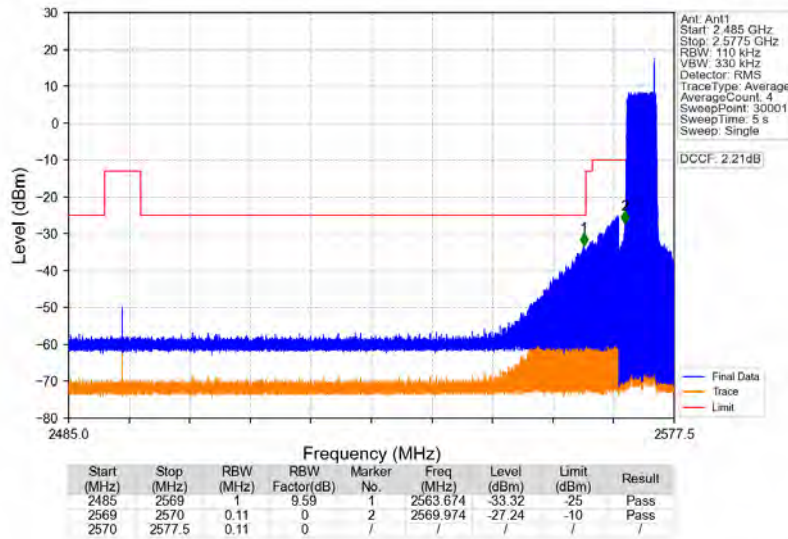
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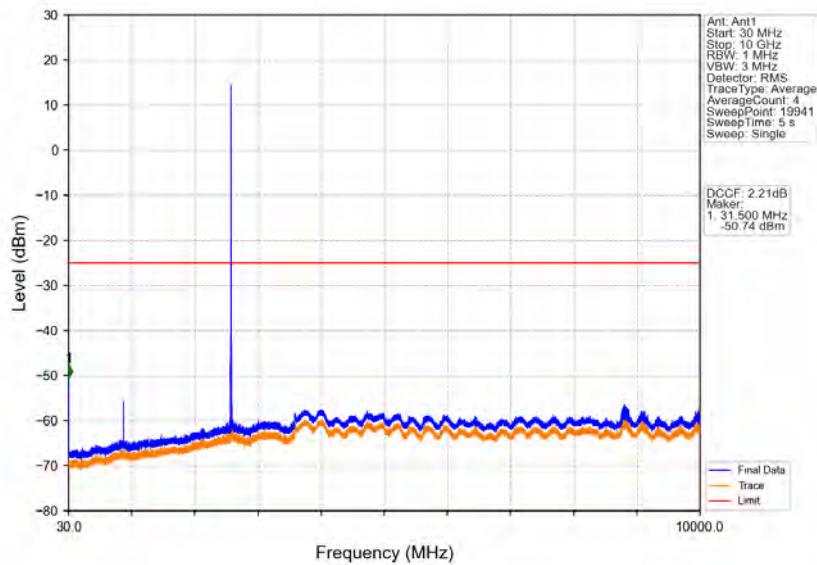
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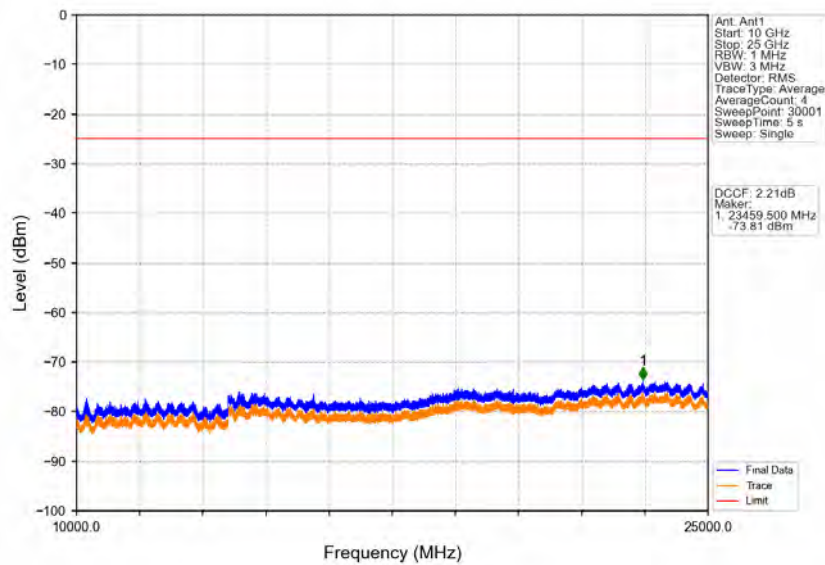
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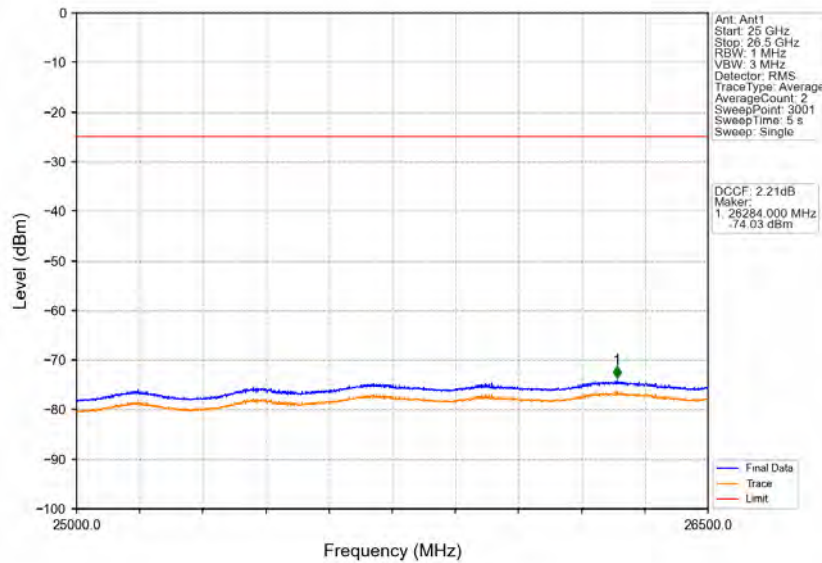
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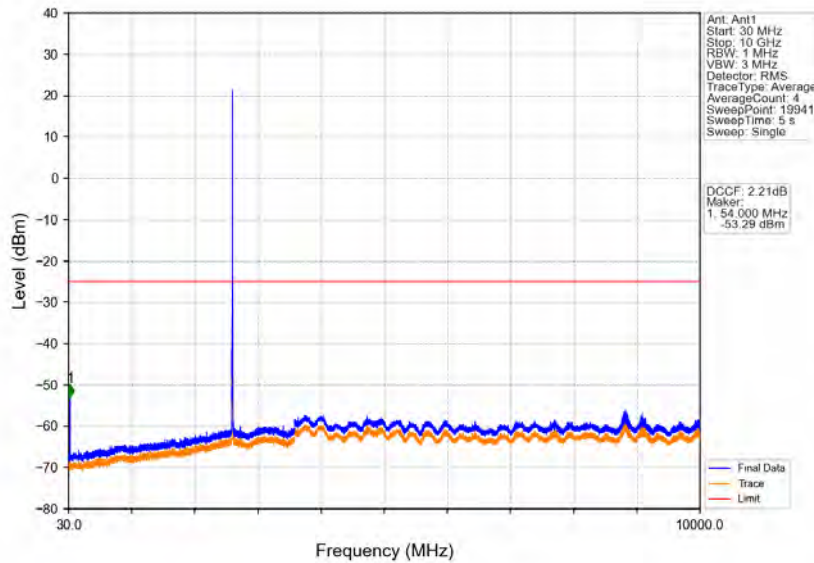
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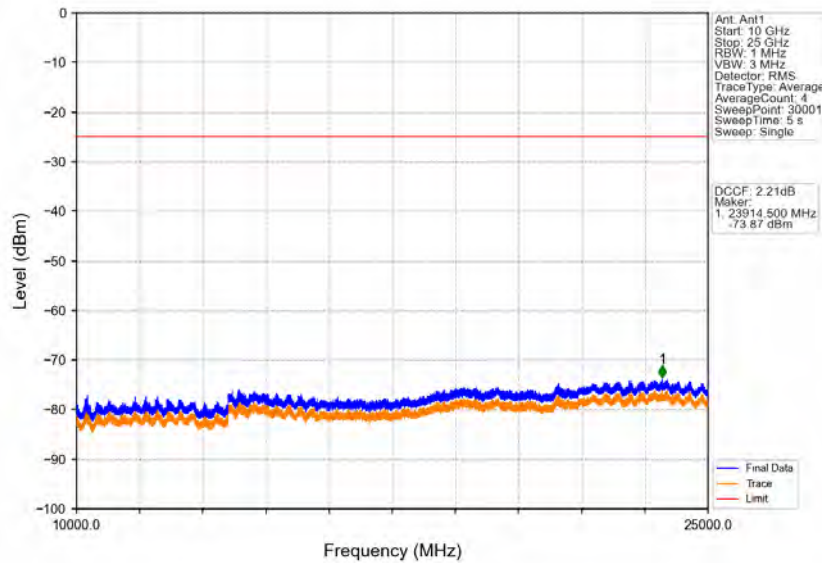
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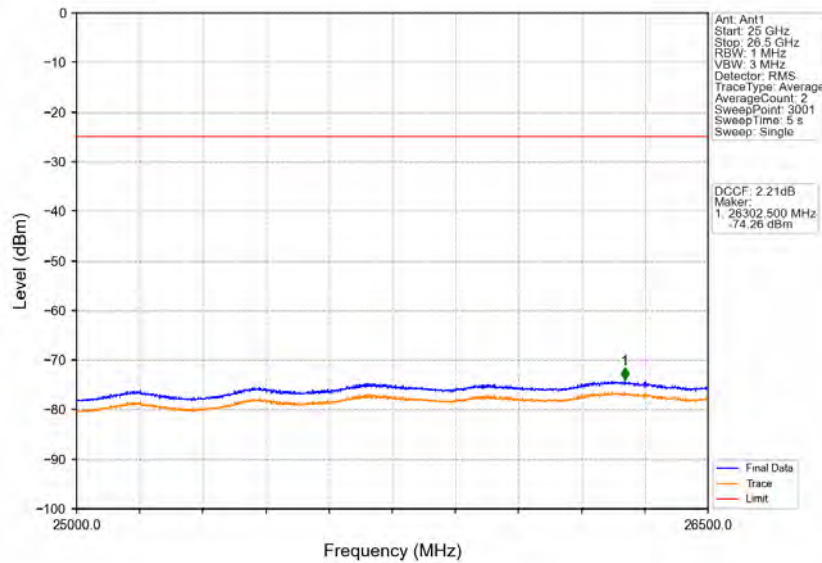
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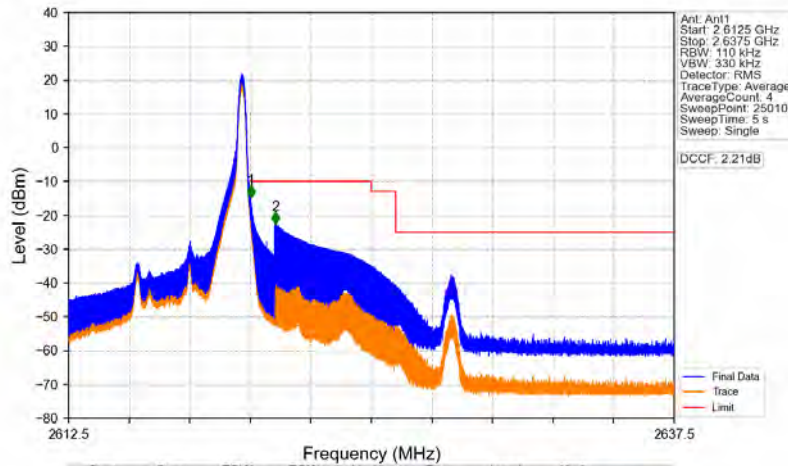
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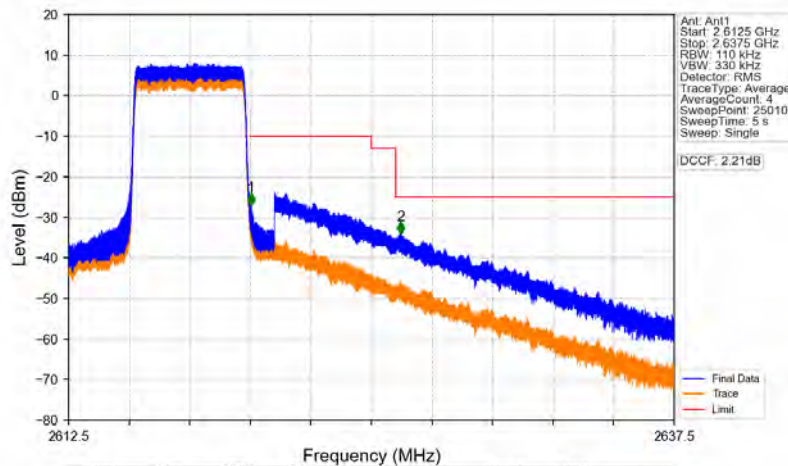
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Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_24_NTNV



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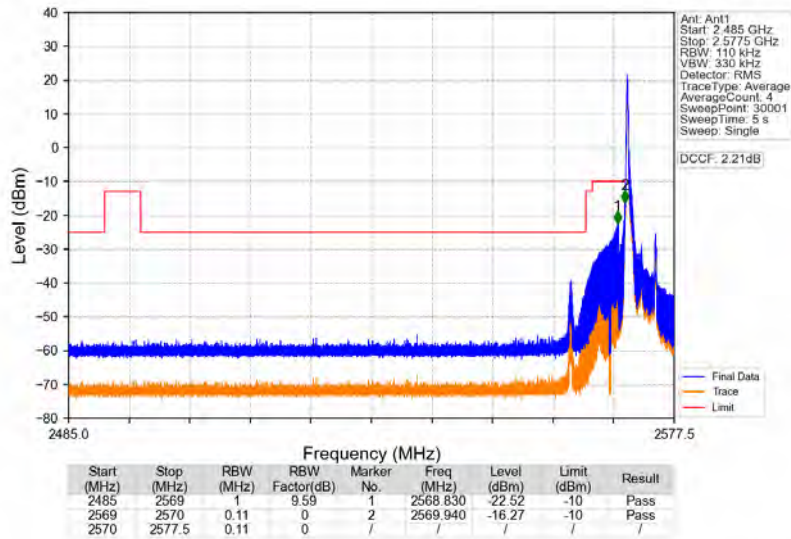
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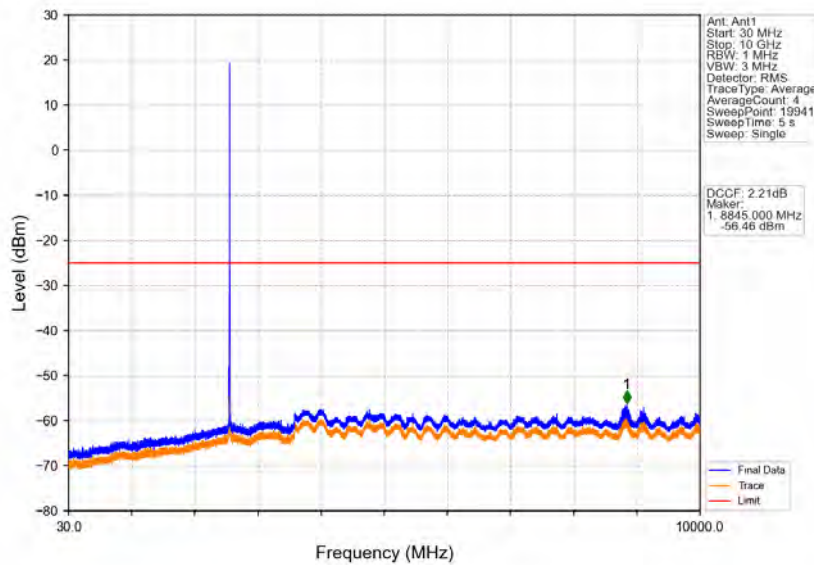
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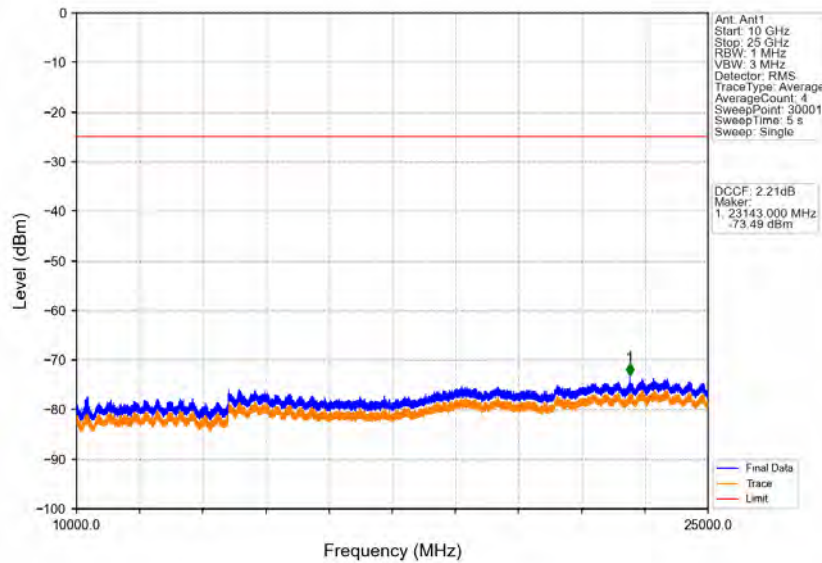
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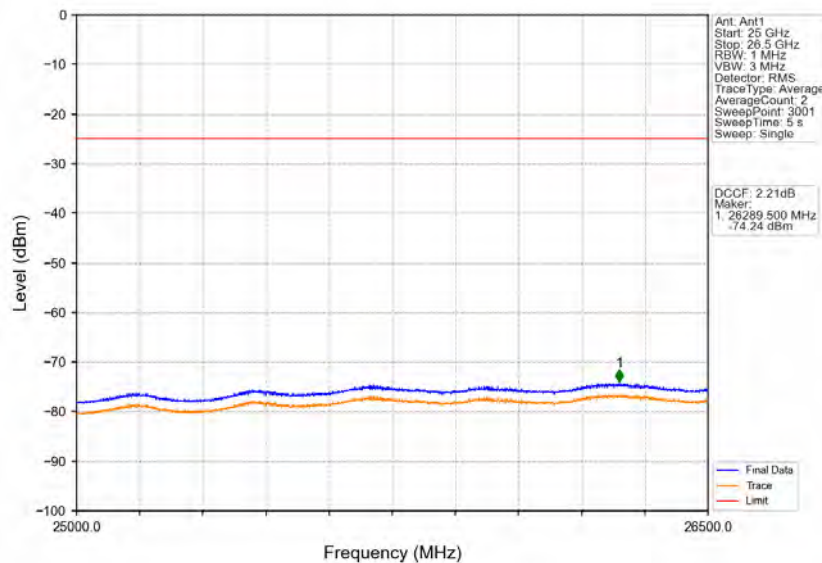
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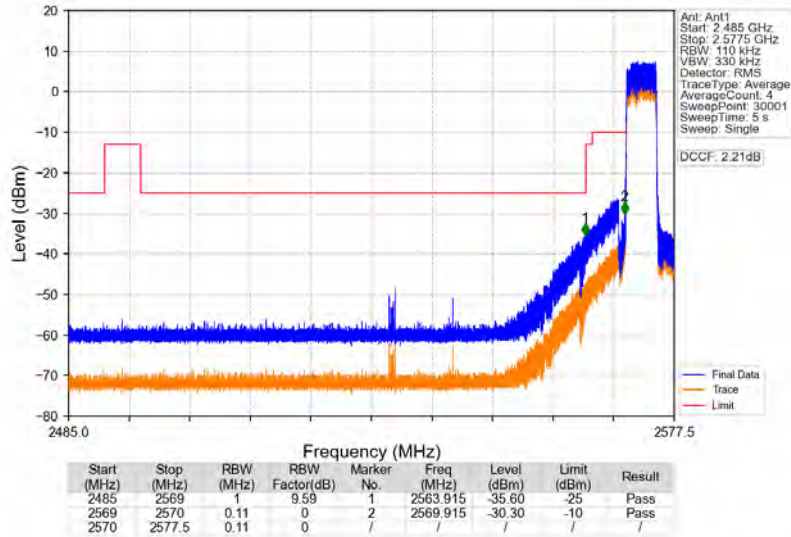
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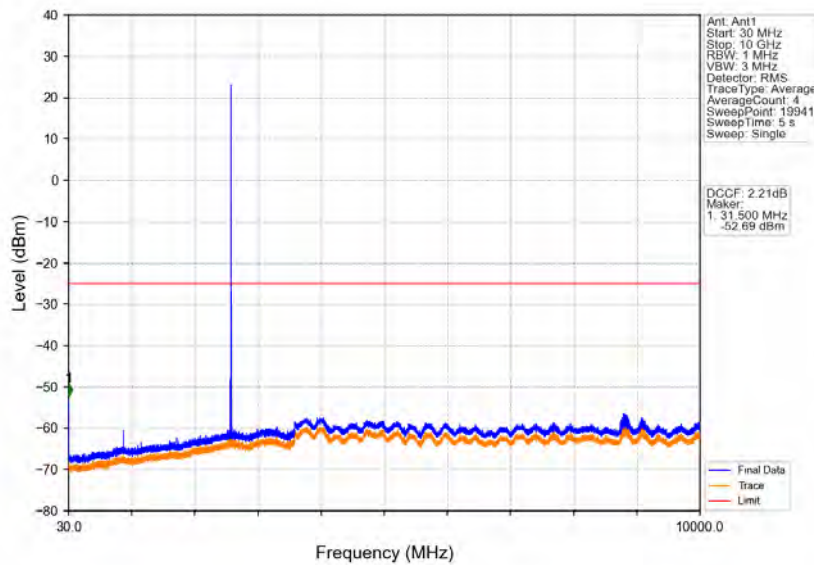
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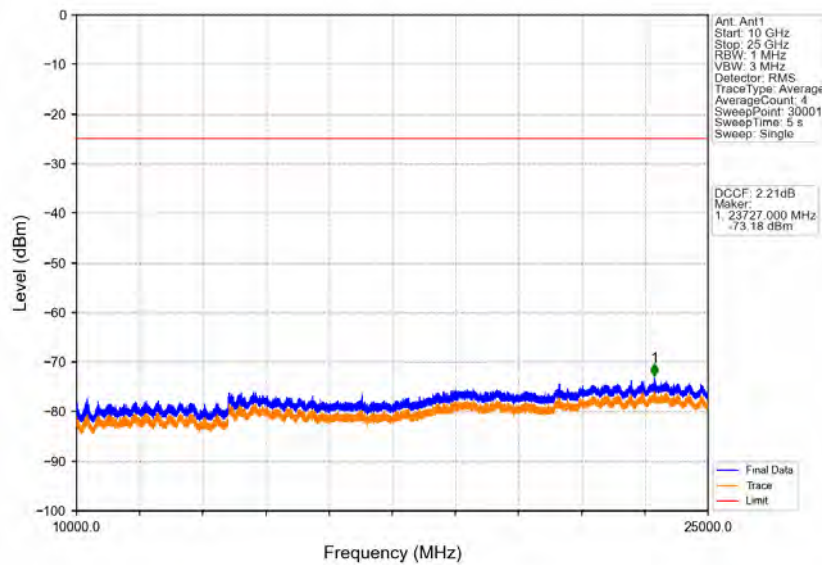
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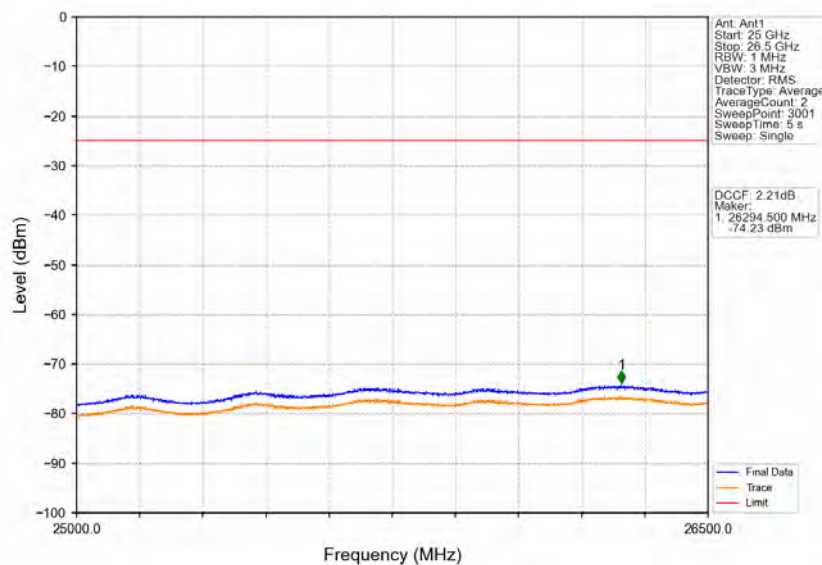
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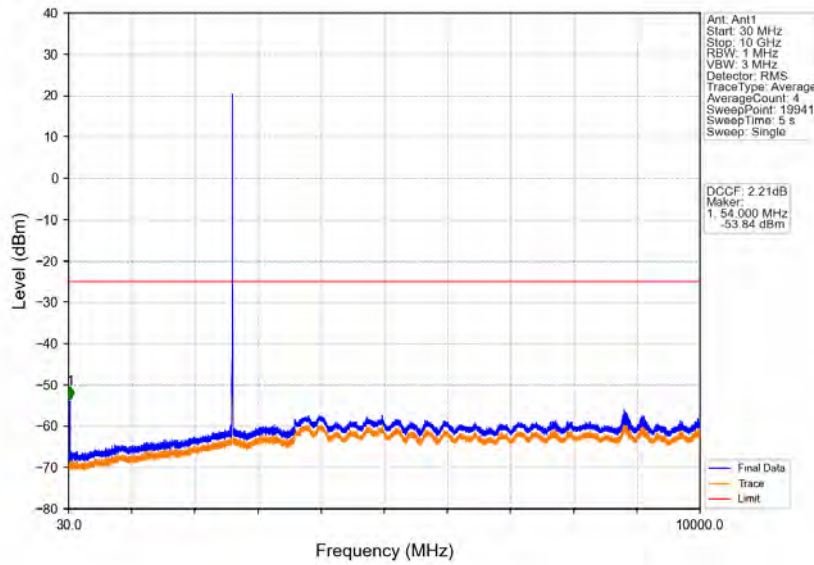
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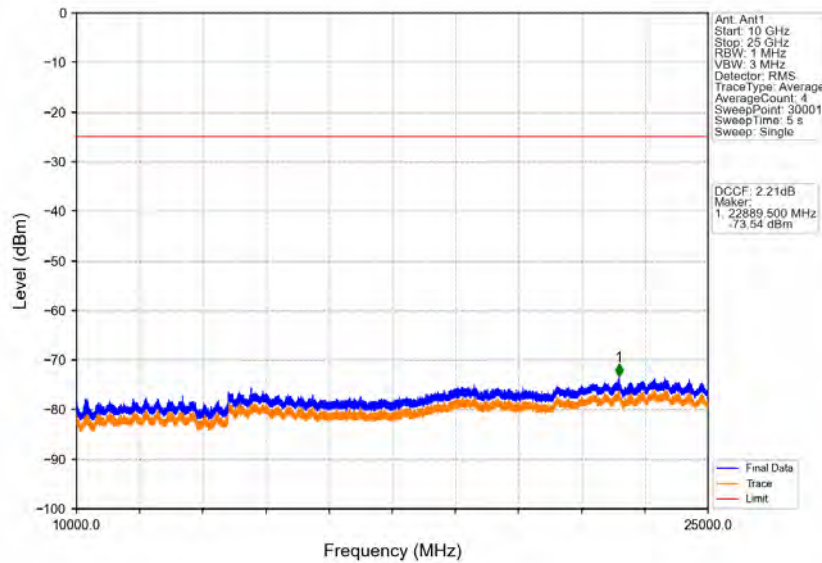
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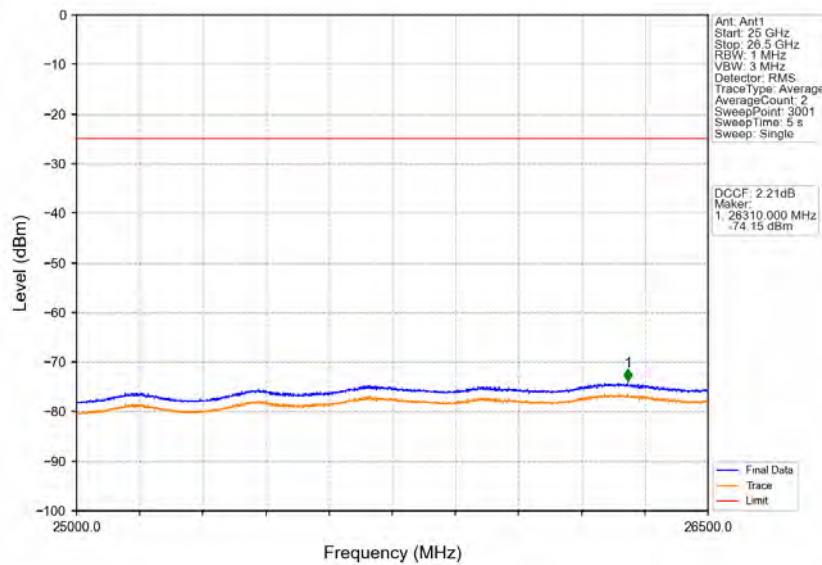
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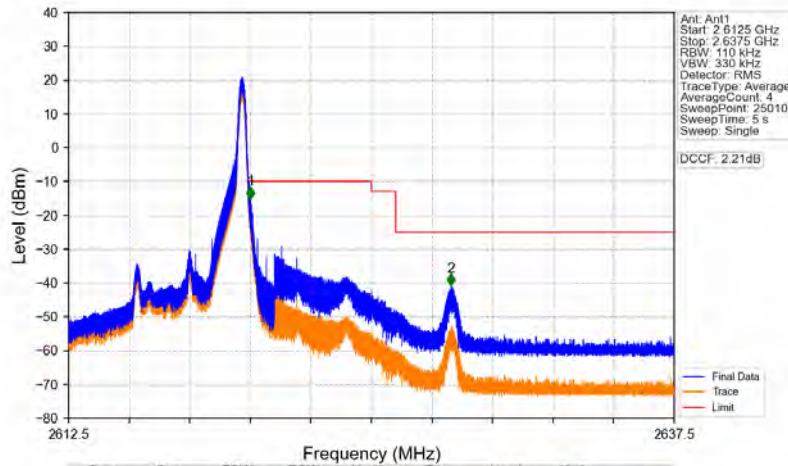
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Band38_5MHz_64QAM_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.013	-15.13	-10	Pass
2621	2637.5	1	9.59	2	2628.294	-40.81	-25	Pass



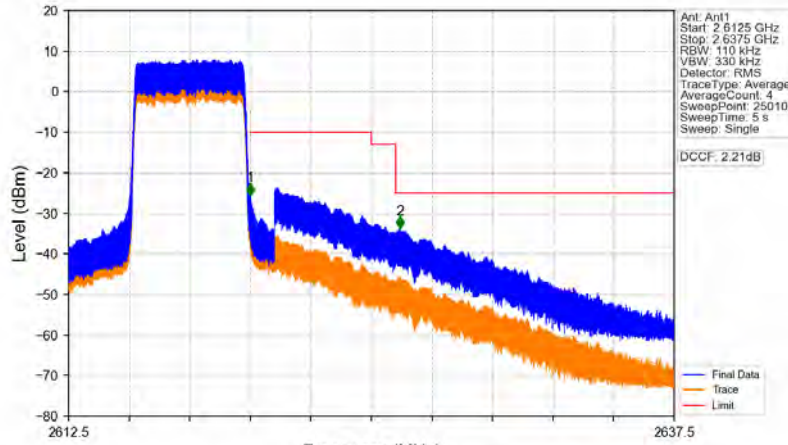
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.003	-25.62	-10	Pass
2621	2637.5	1	9.59	2	2626.180	-33.81	-25	Pass



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6.2 B38_10MHz

6.2.1 Test Result

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

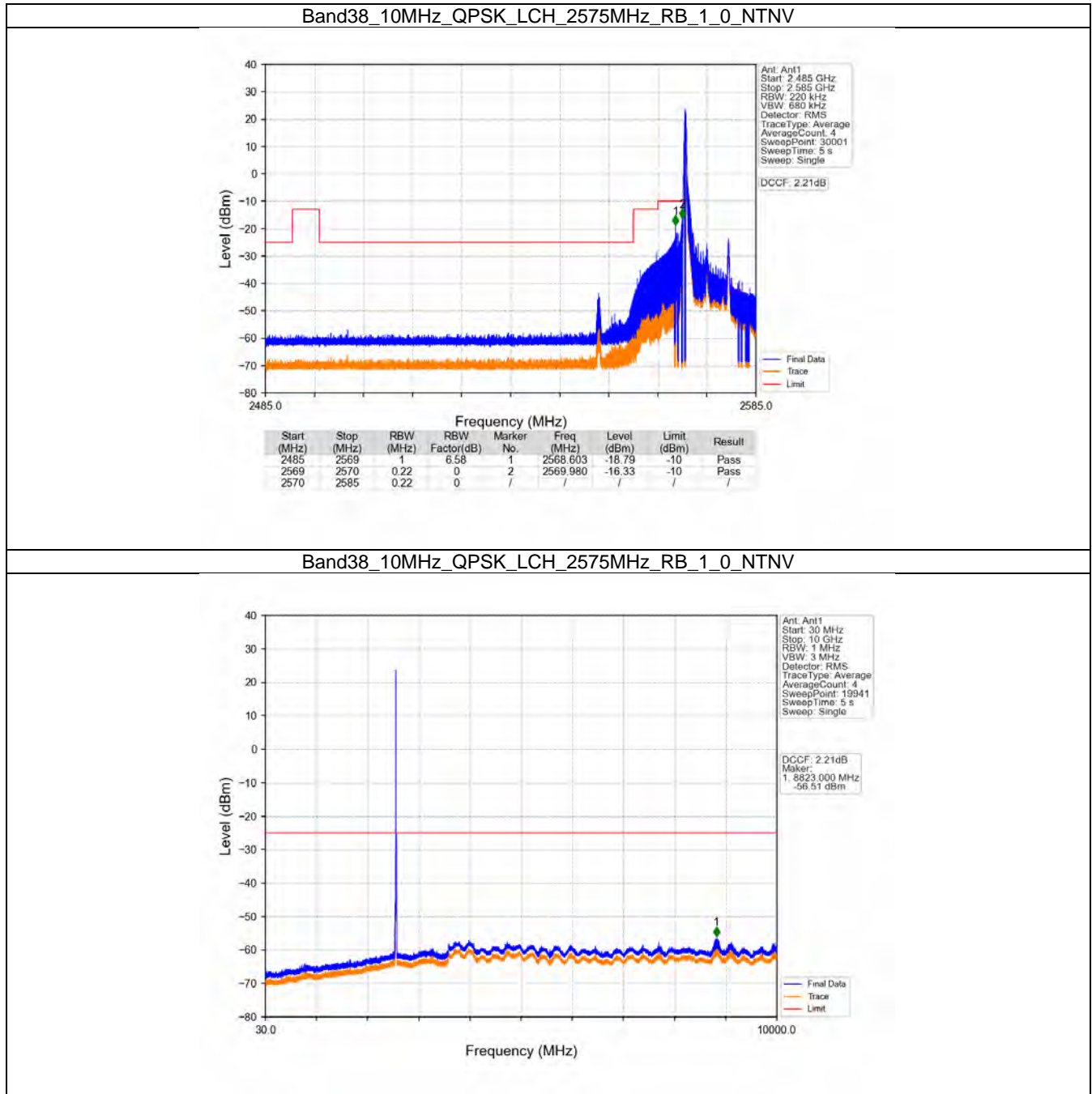


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6.2.2 Test Graph



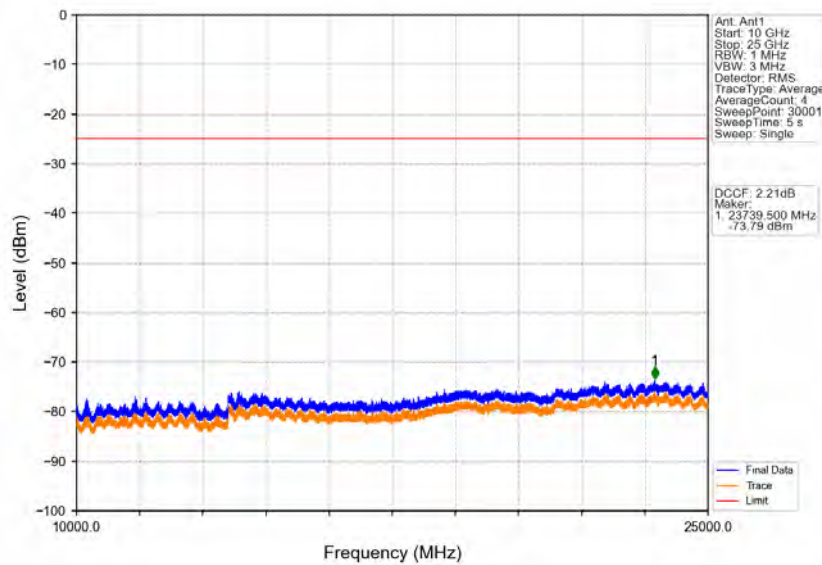
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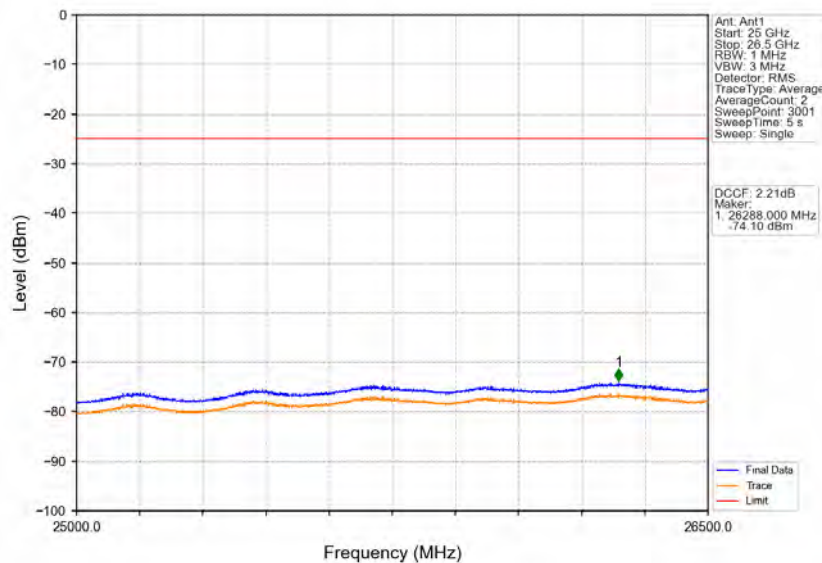
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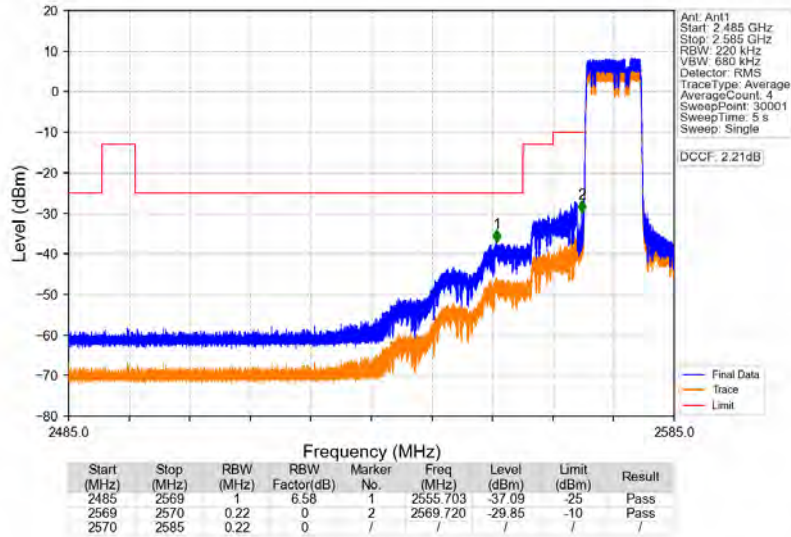
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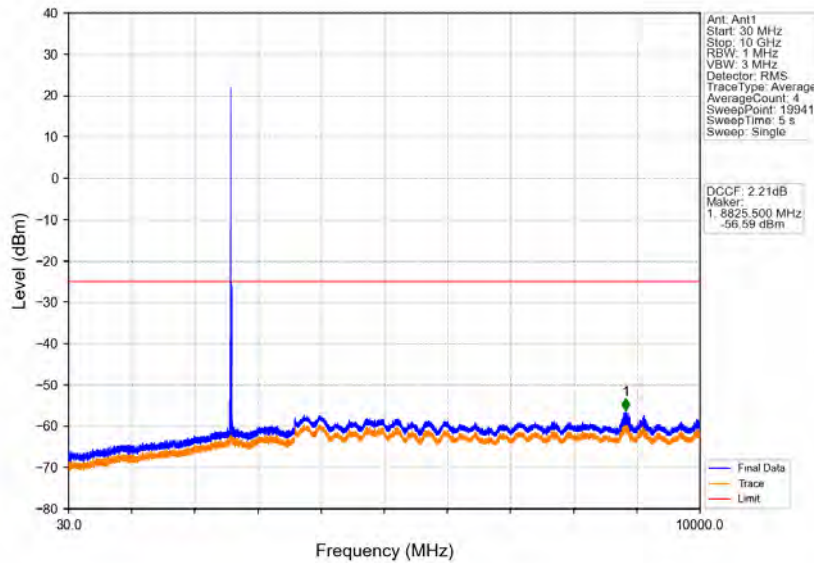
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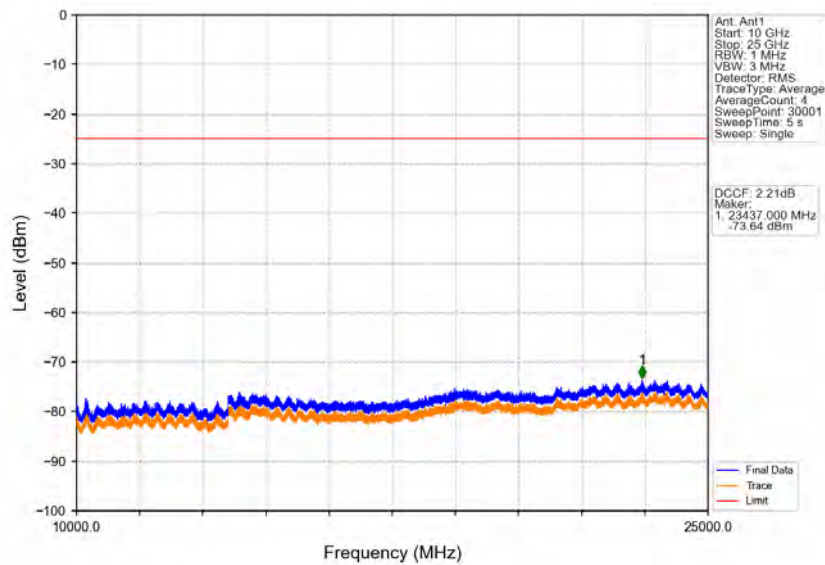
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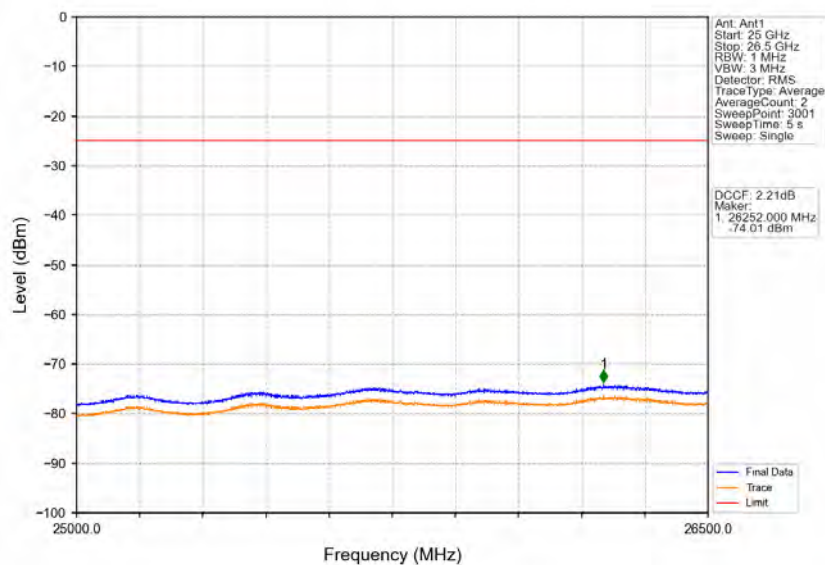


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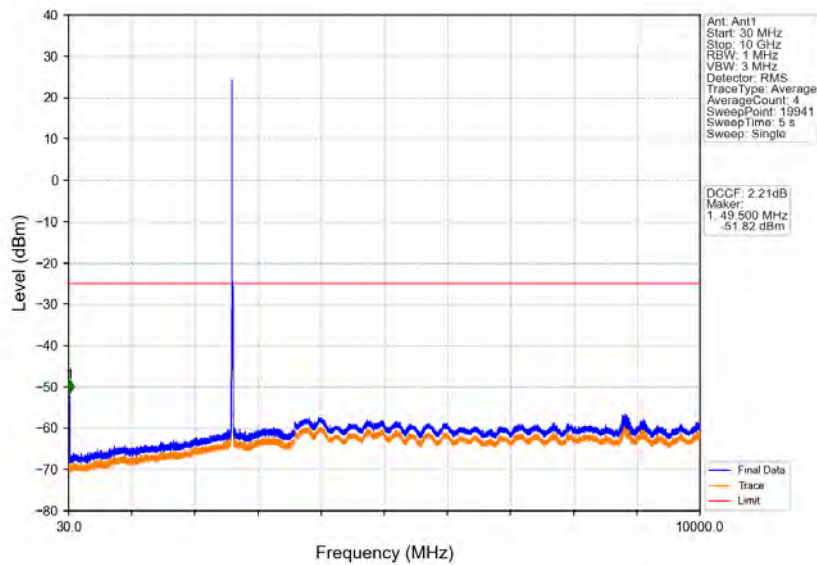
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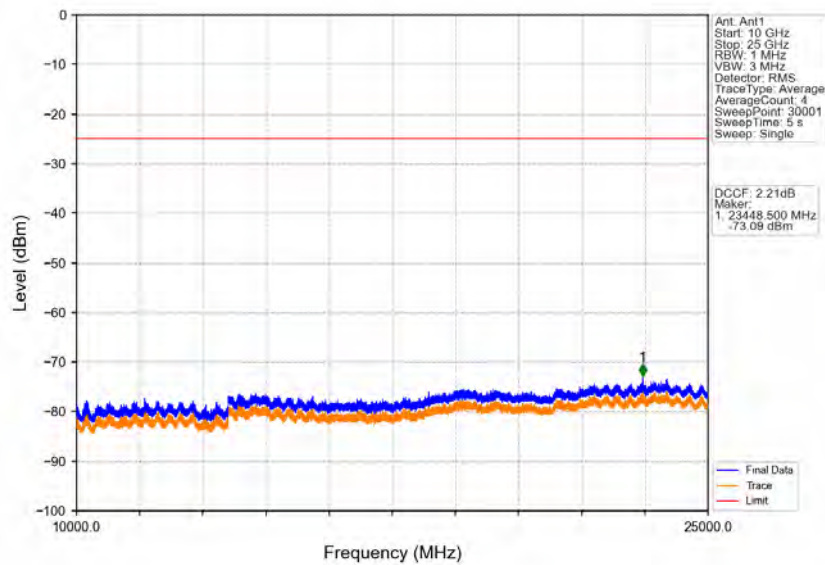
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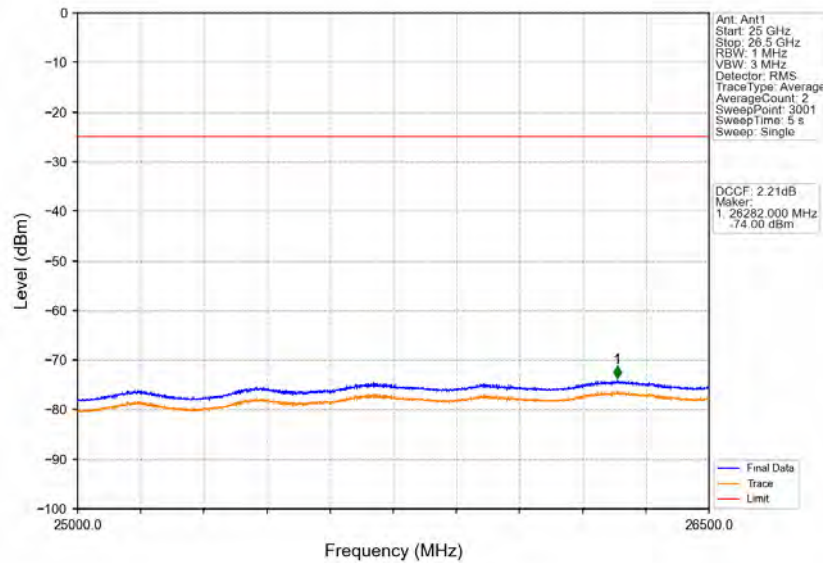
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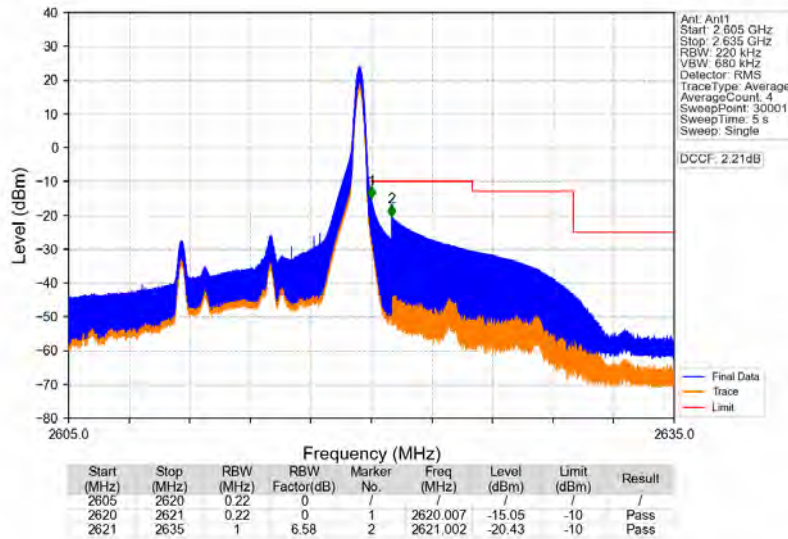
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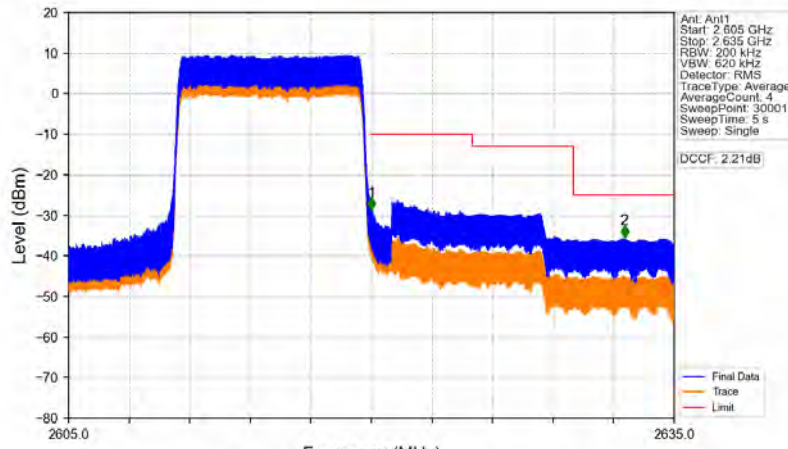
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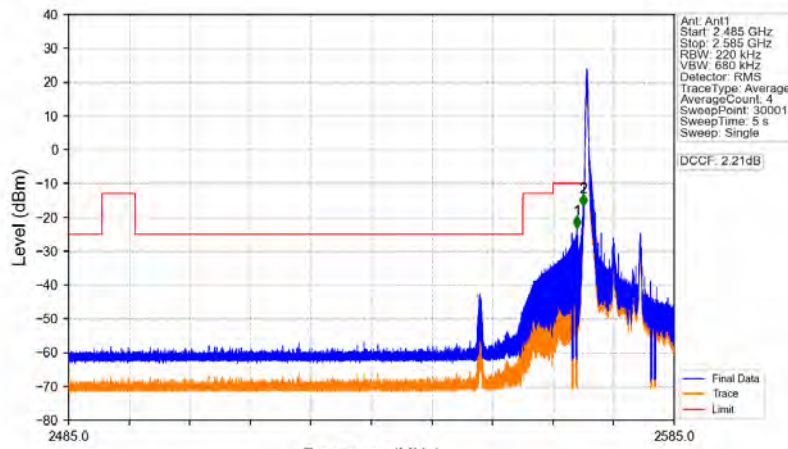
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.206	0.13	/	/	/	/	/
2620	2621	0.206	0.13	1	2620.007	-28.66	-10	Pass
2621	2635	1	6.99	2	2632.538	-35.62	-25	Pass

Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.58	1	2568.940	-23.33	-10	Pass
2569	2570	0.22	0	2	2569.963	-16.67	-10	Pass
2570	2585	0.22	0	/	/	/	/	/



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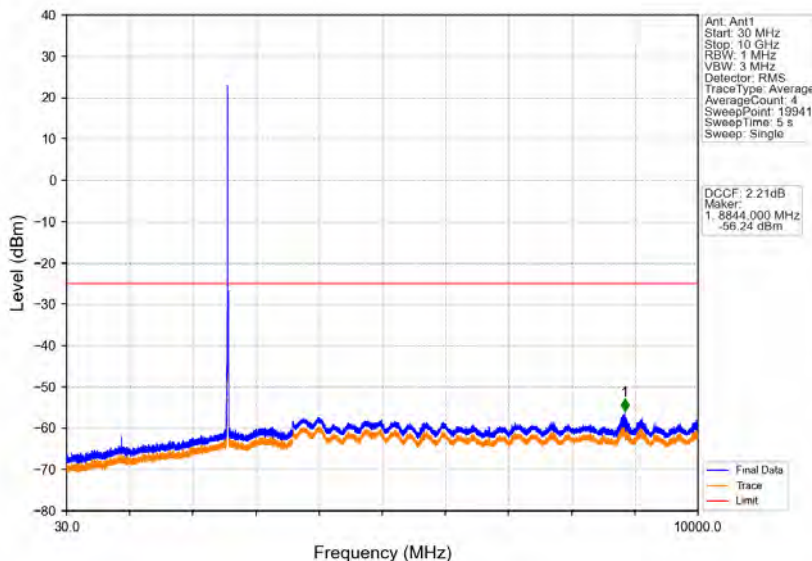
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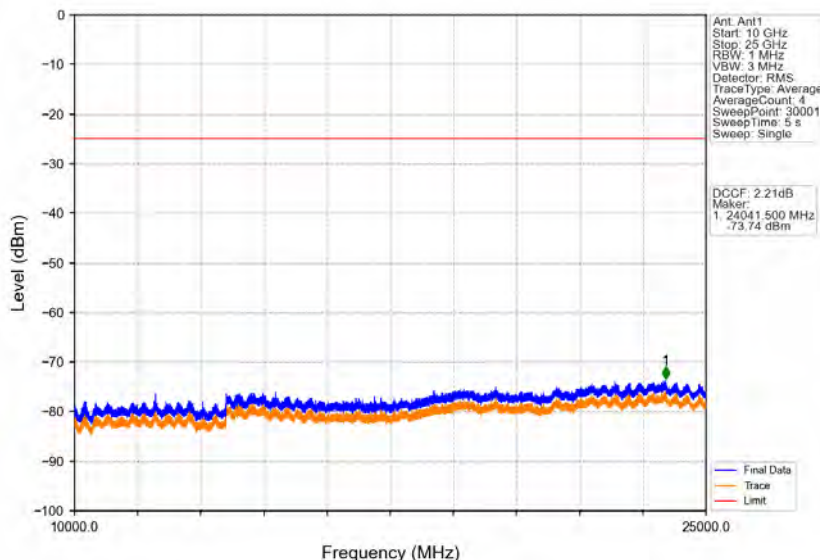
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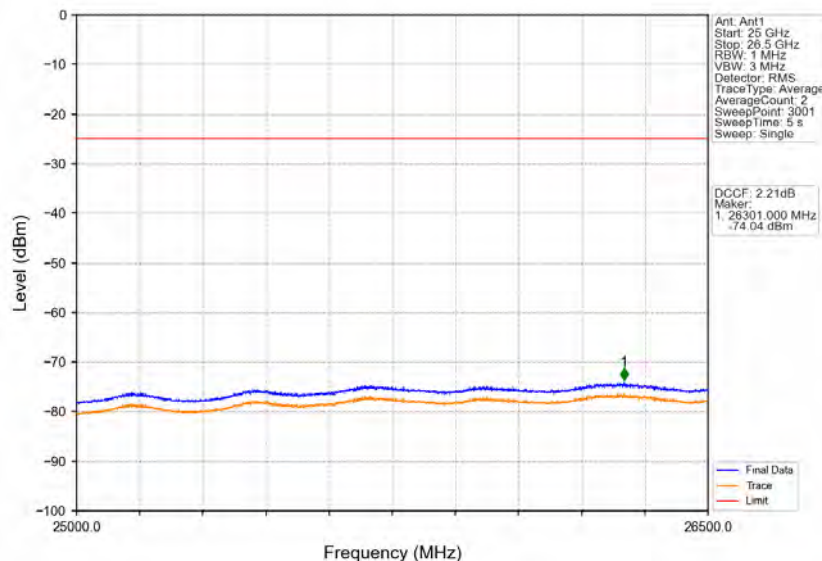
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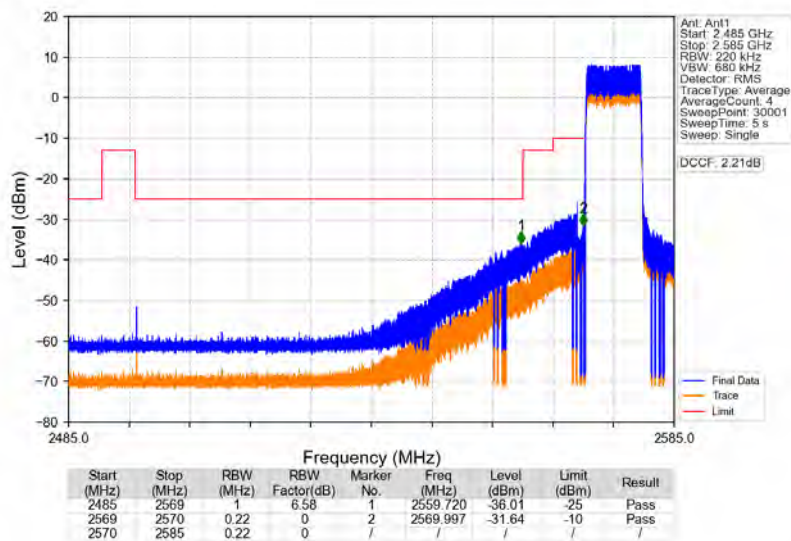
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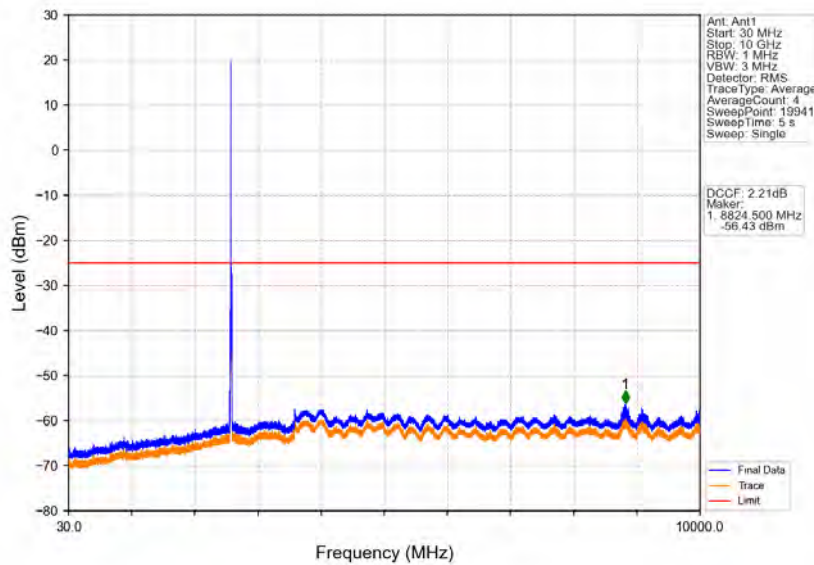
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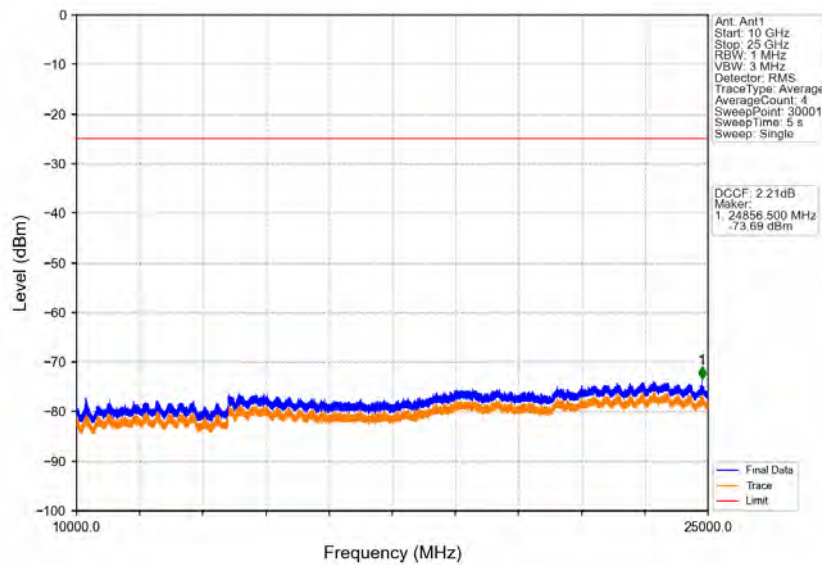
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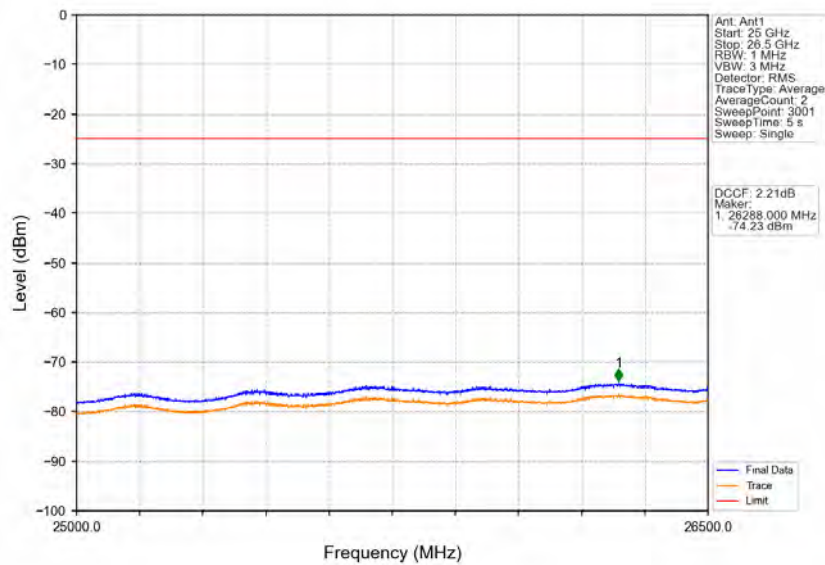
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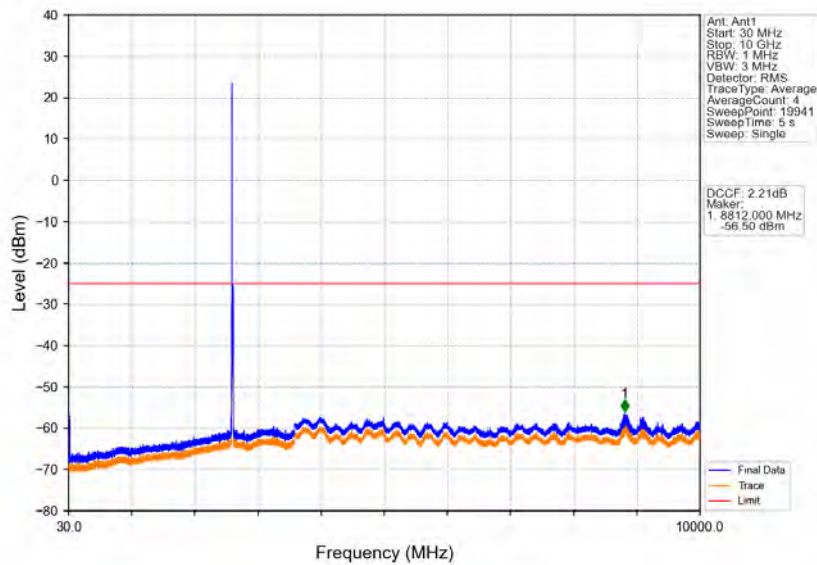
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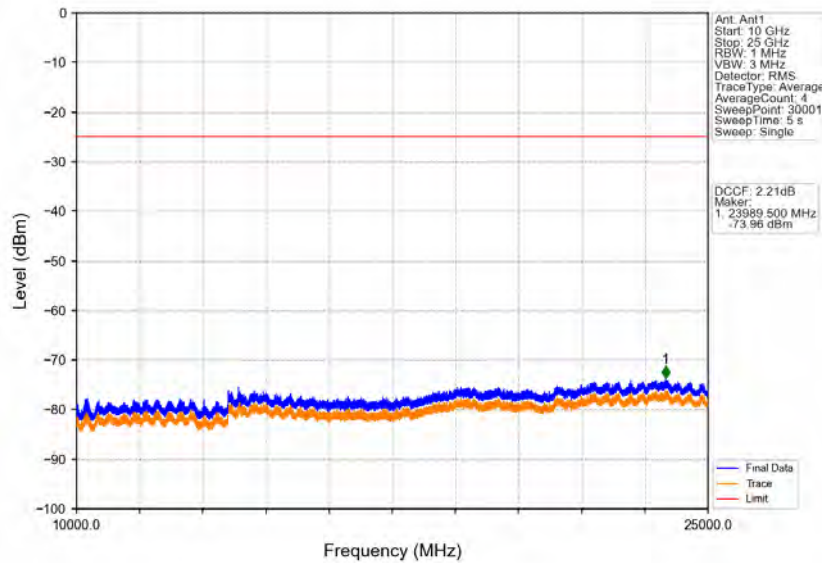
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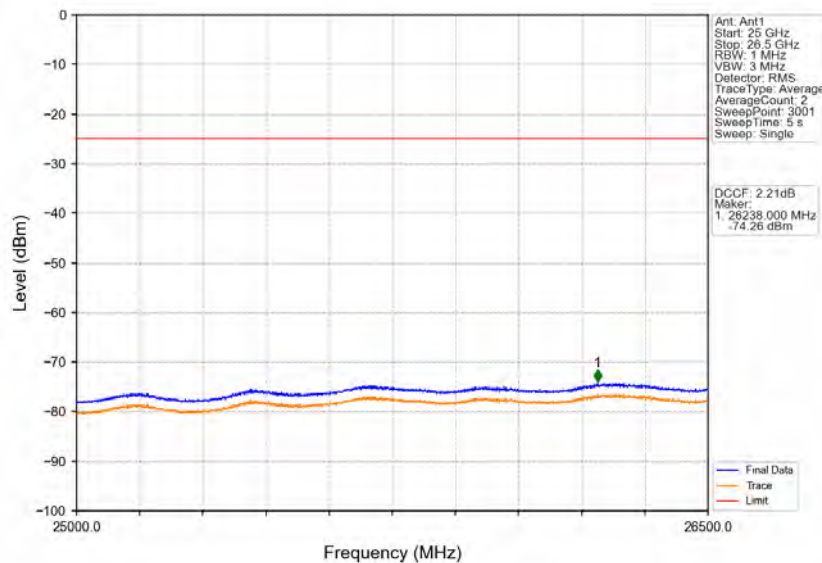
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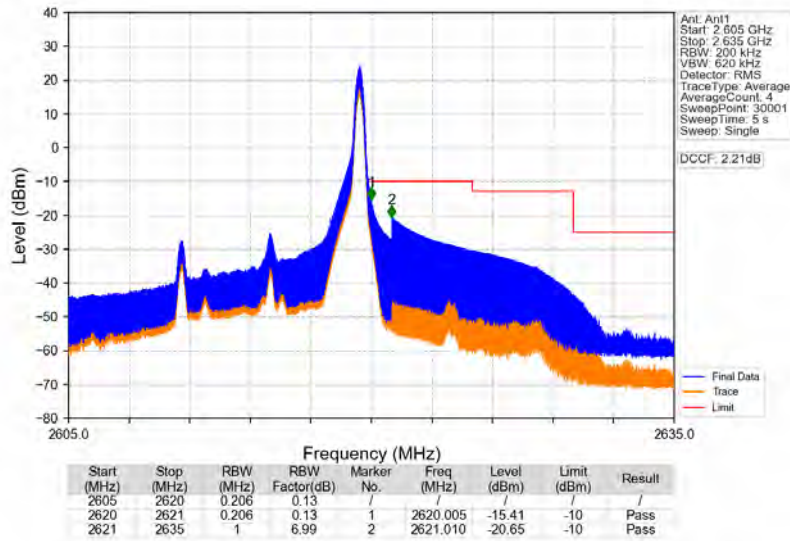
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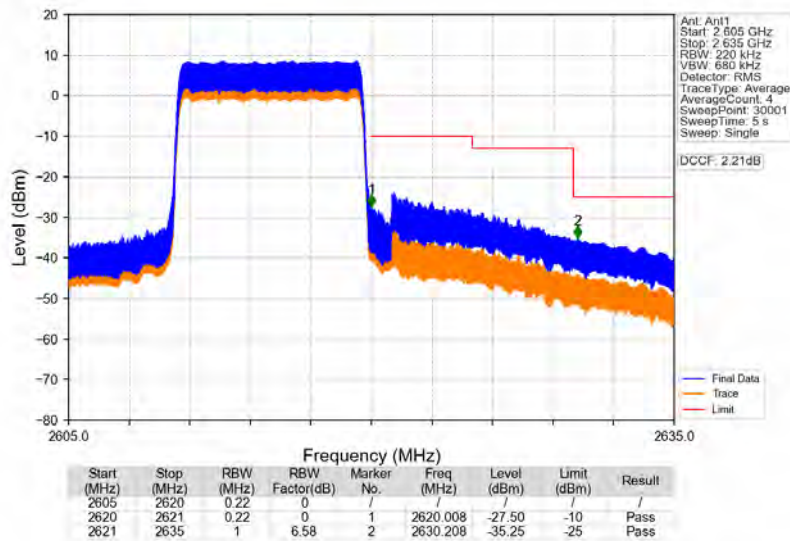
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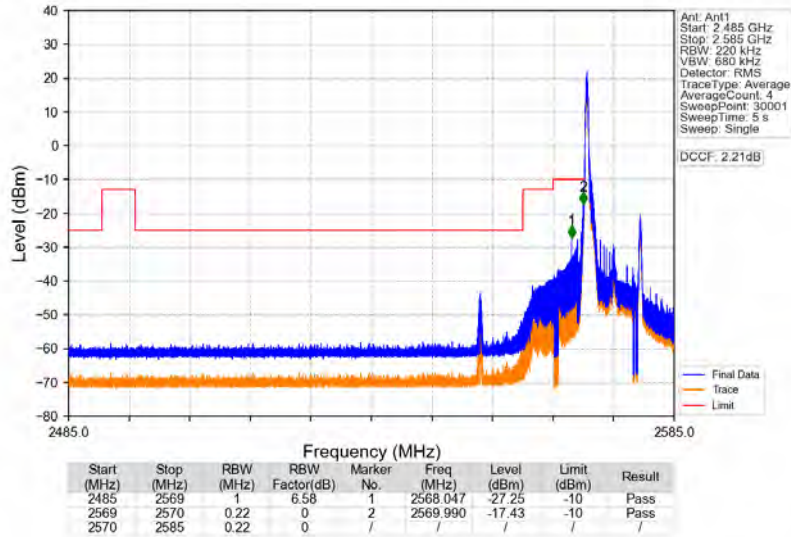
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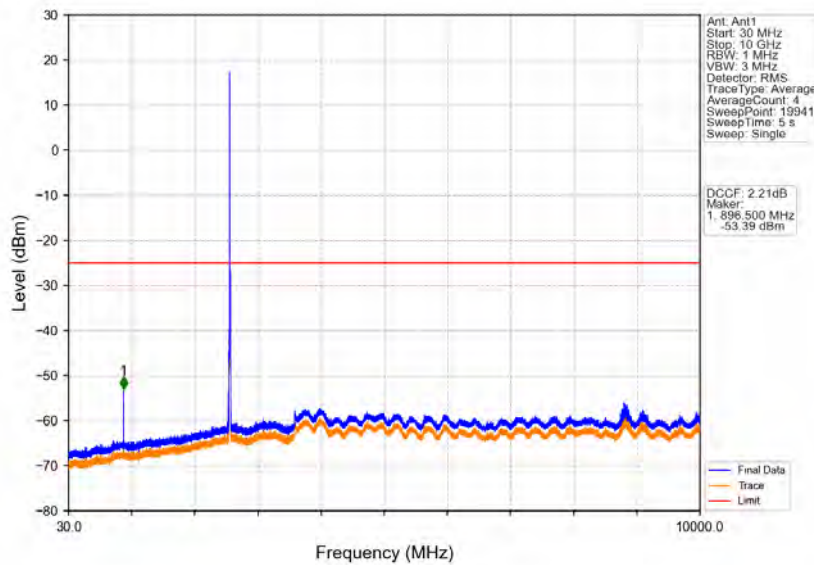
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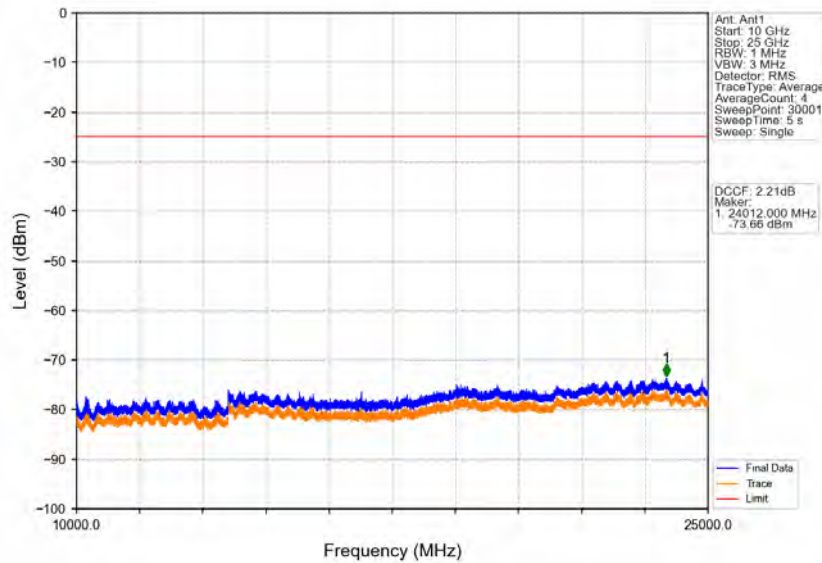
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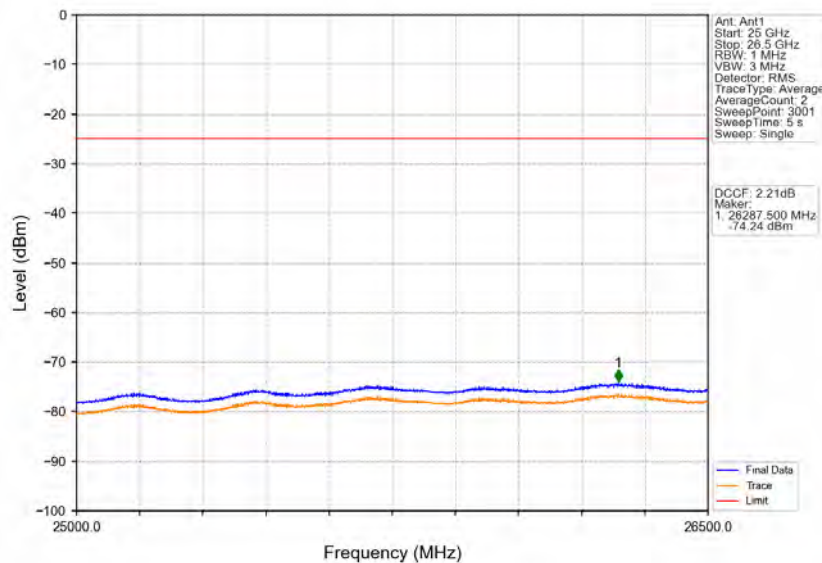


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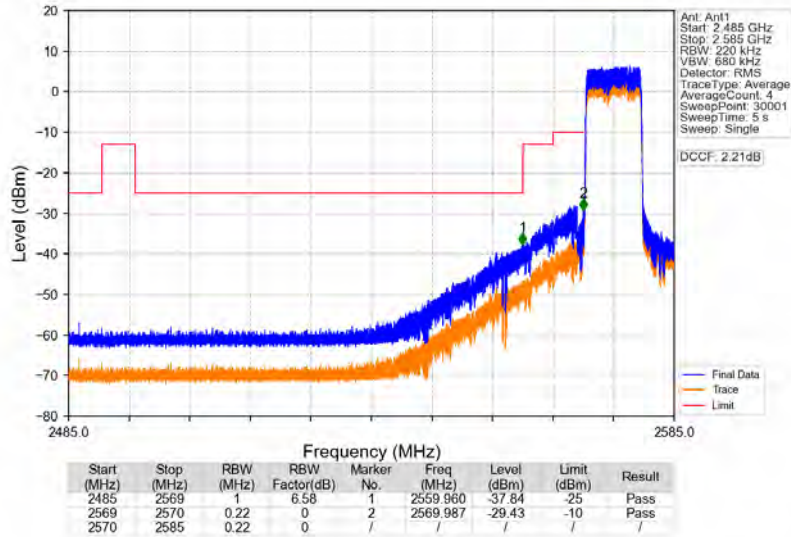
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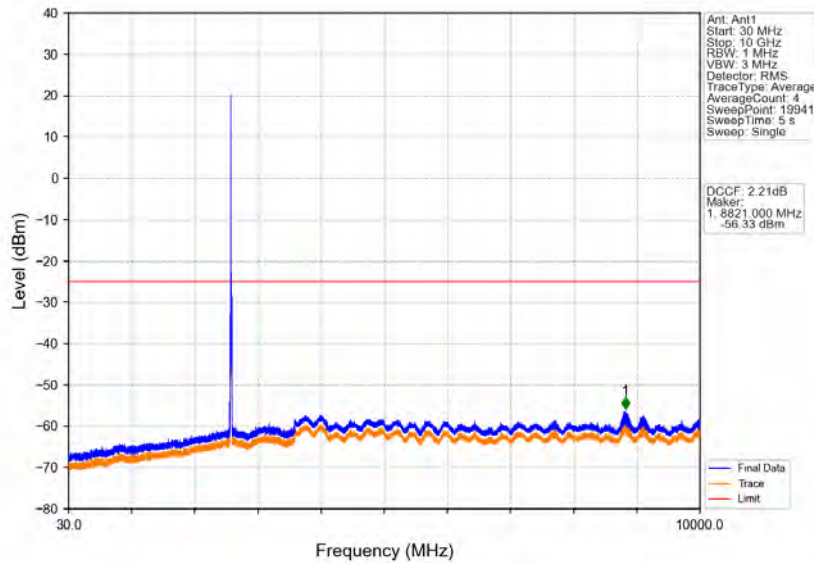
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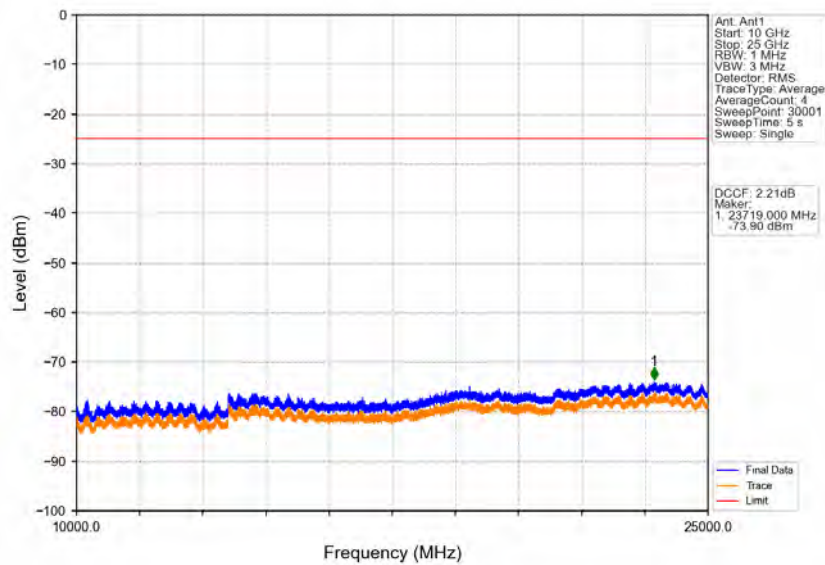
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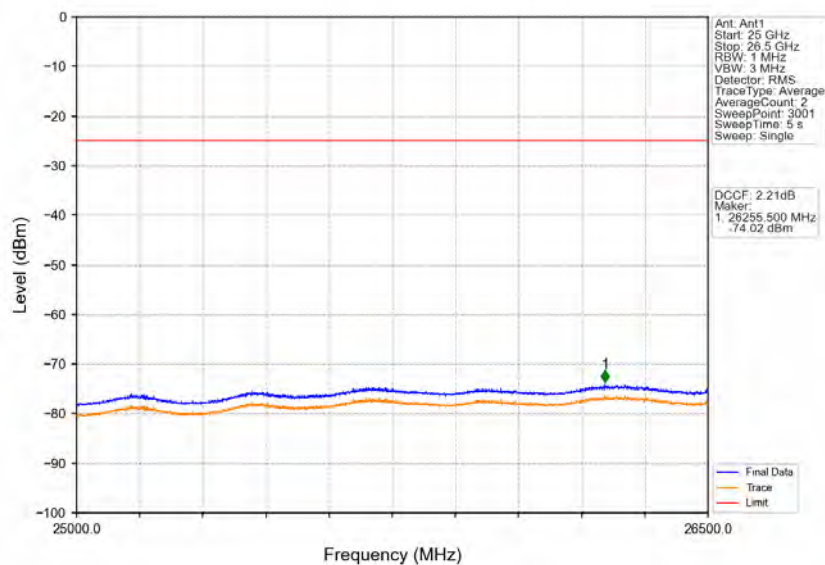
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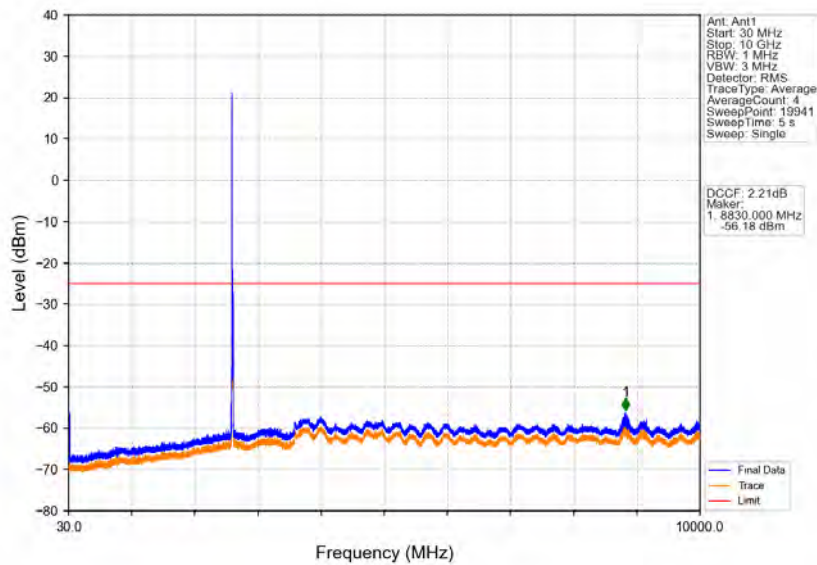
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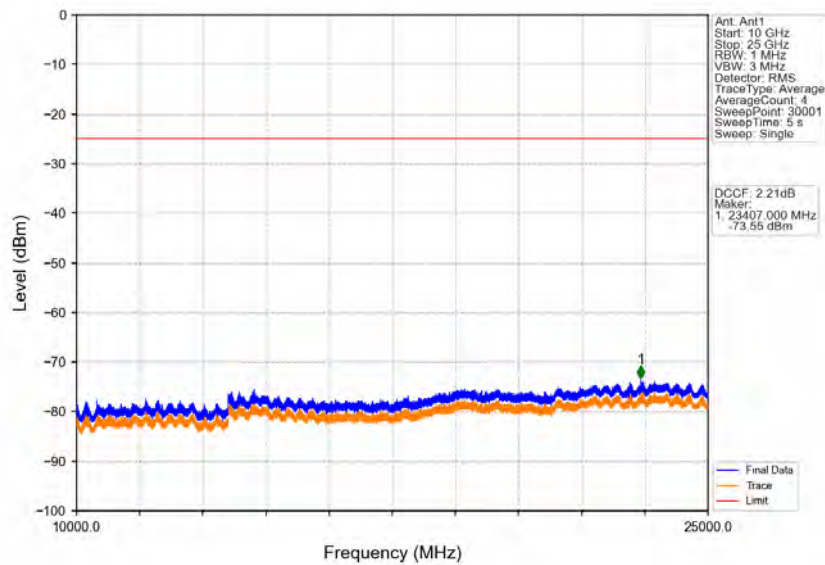
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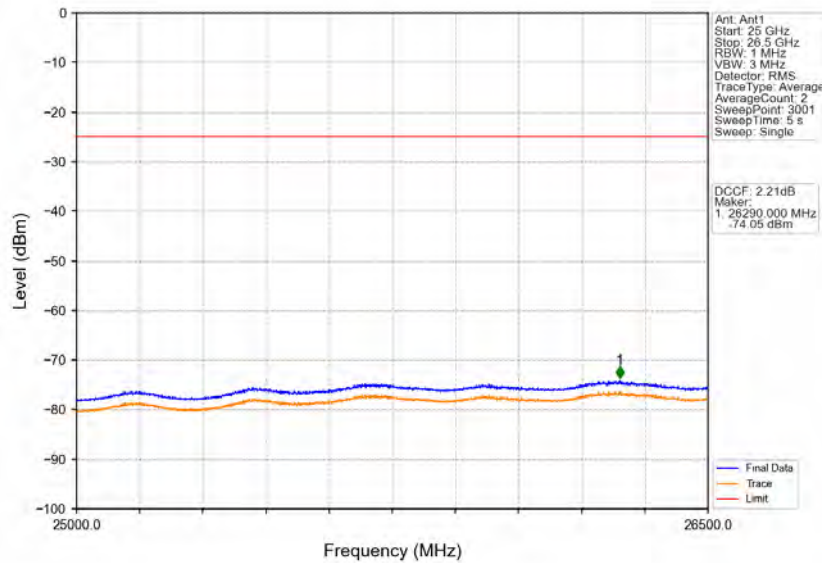
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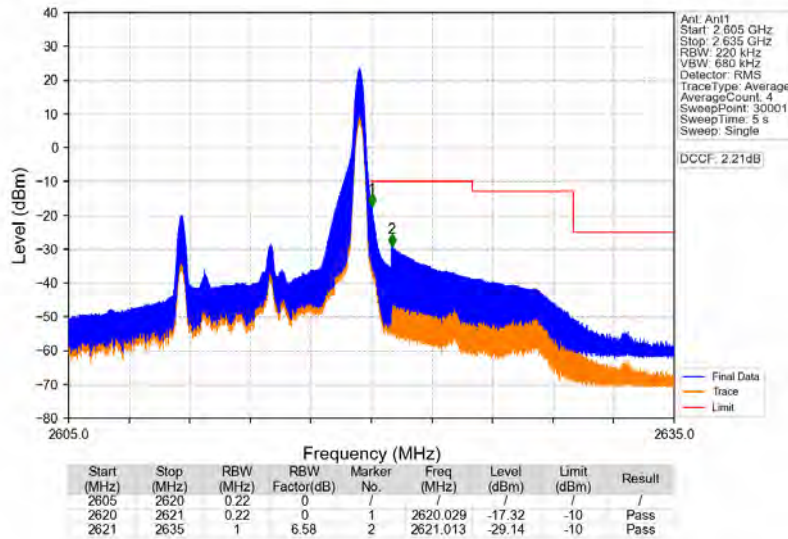
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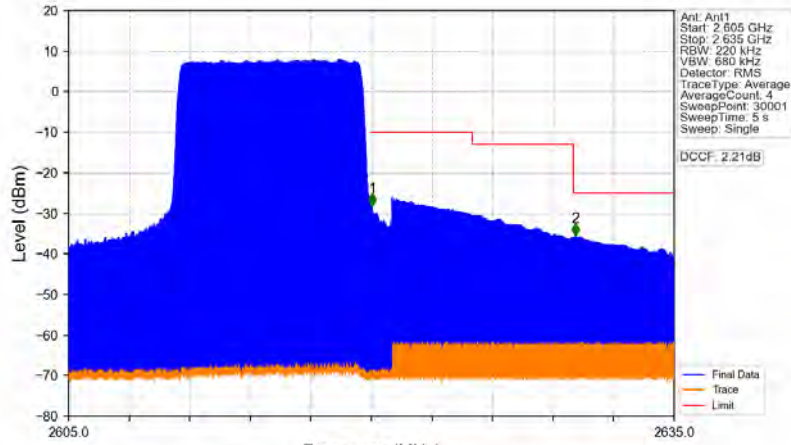
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	0	/	/	/	/	/
2620	2621	0.22	0	1	2620.044	-28.12	-10	Pass
2621	2635	1	6.58	2	2630.105	-35.62	-25	Pass



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6.3 B38_15MHz

6.3.1 Test Result

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



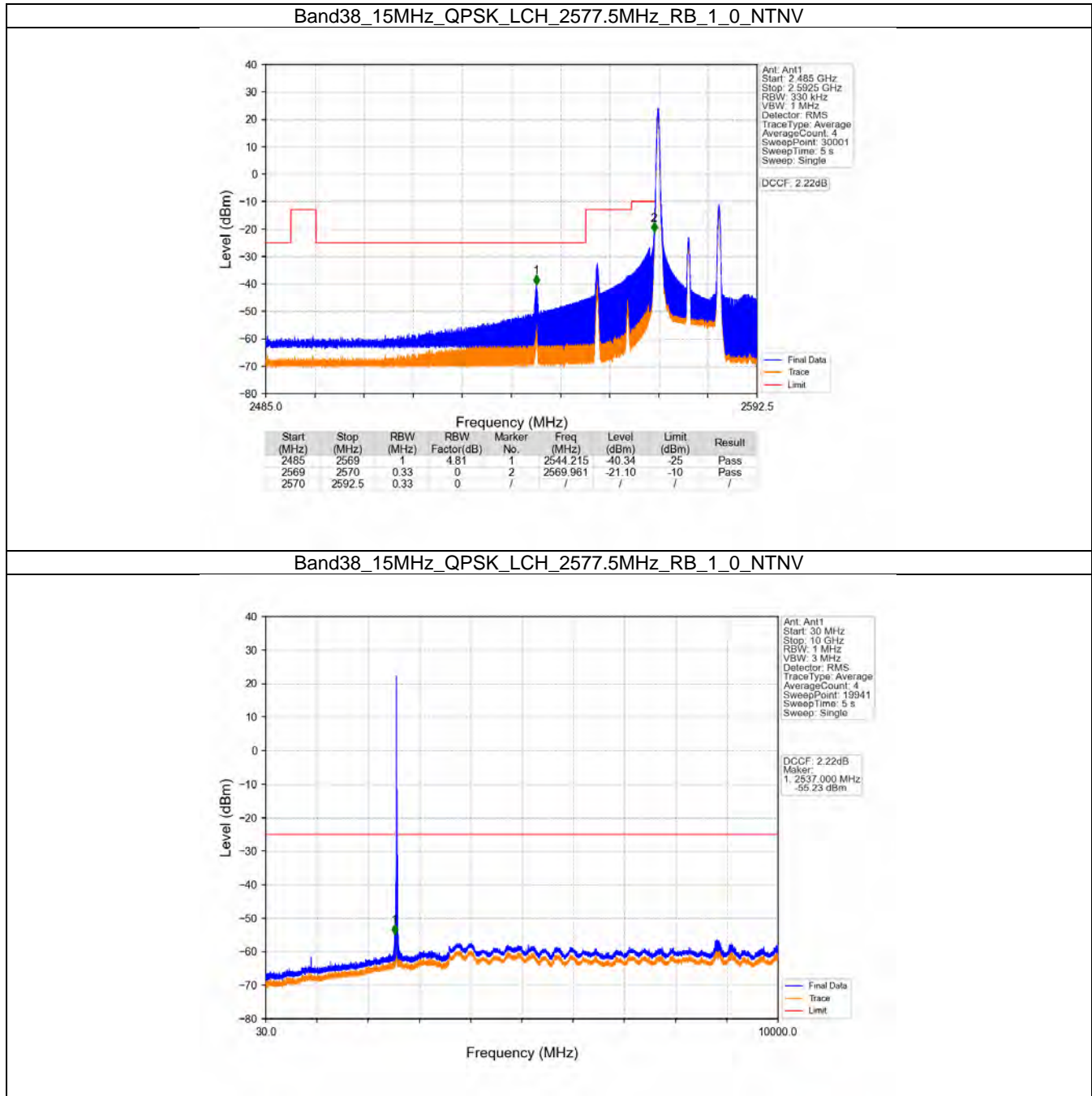
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6.3.2 Test Graph

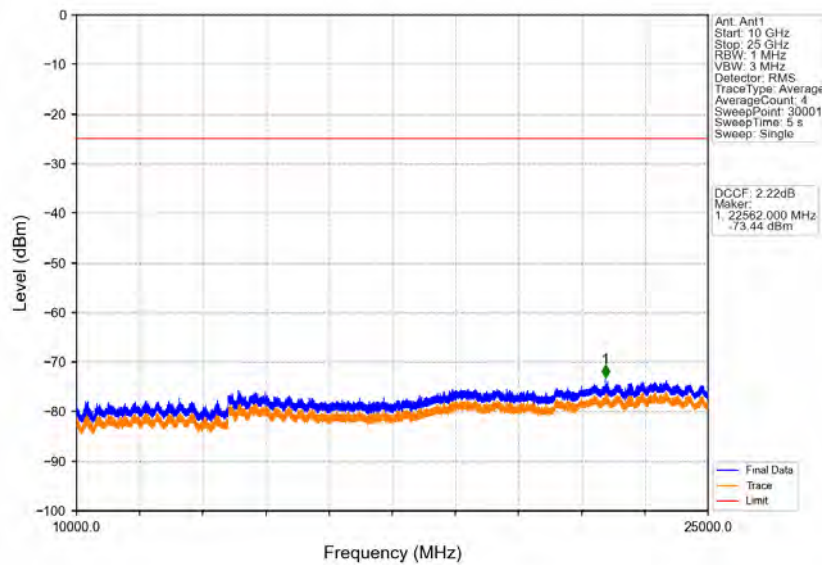


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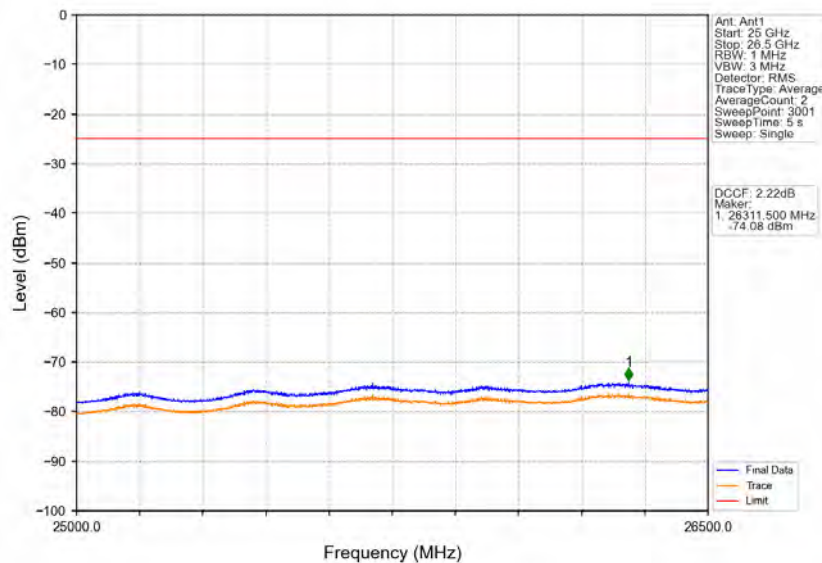
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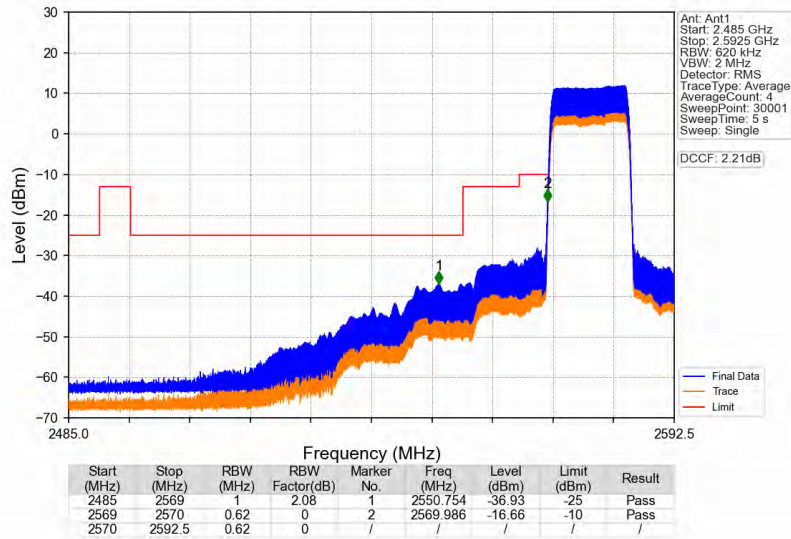
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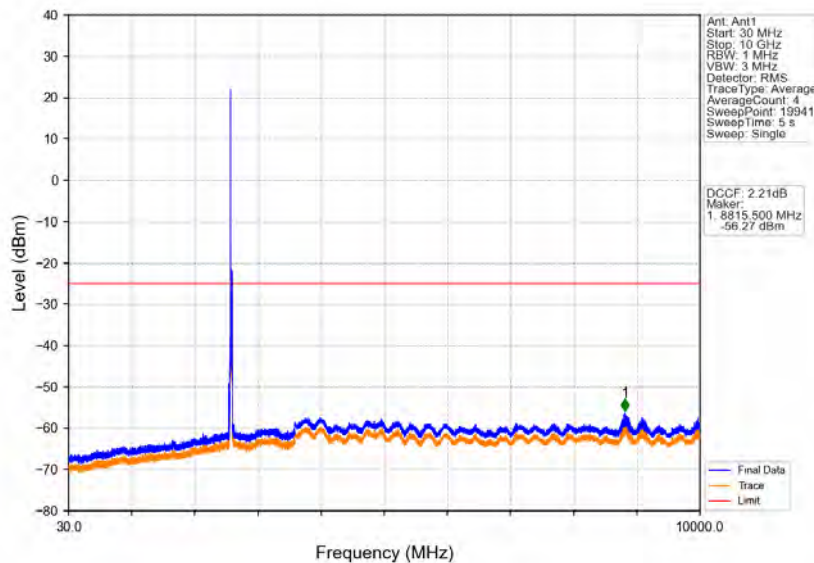
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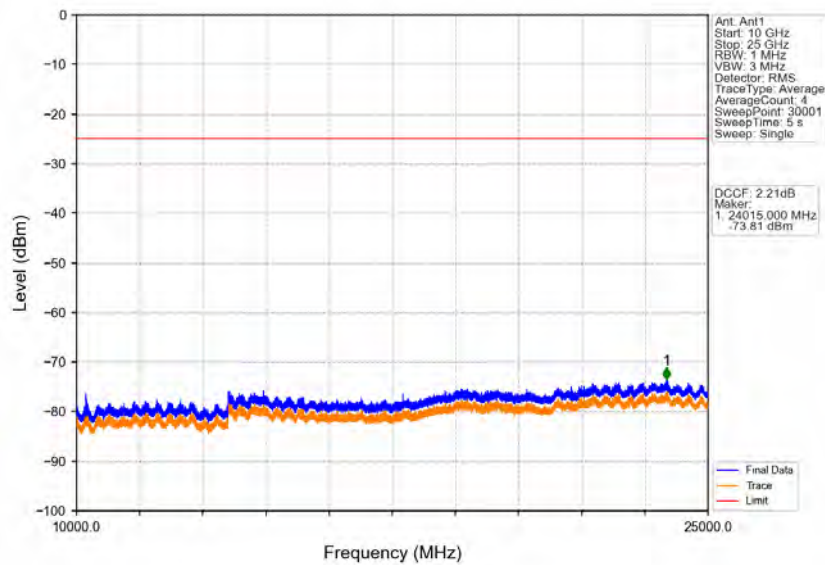
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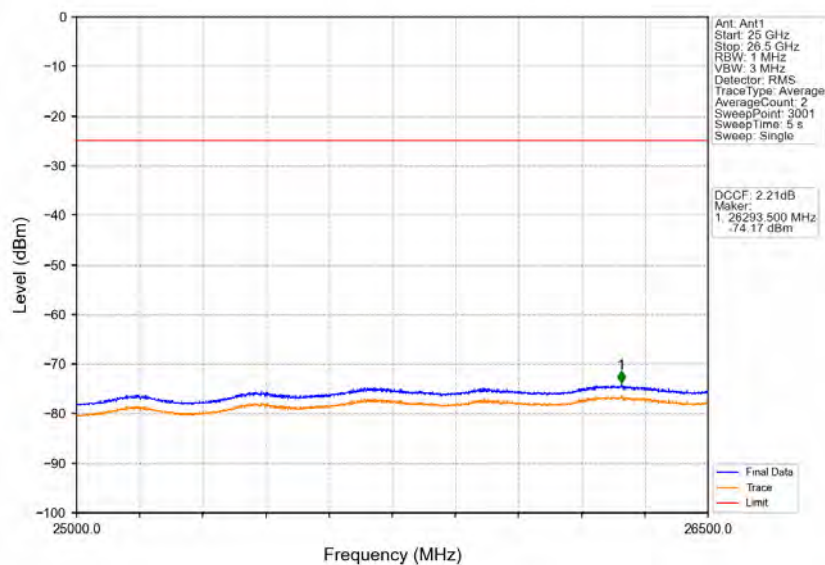


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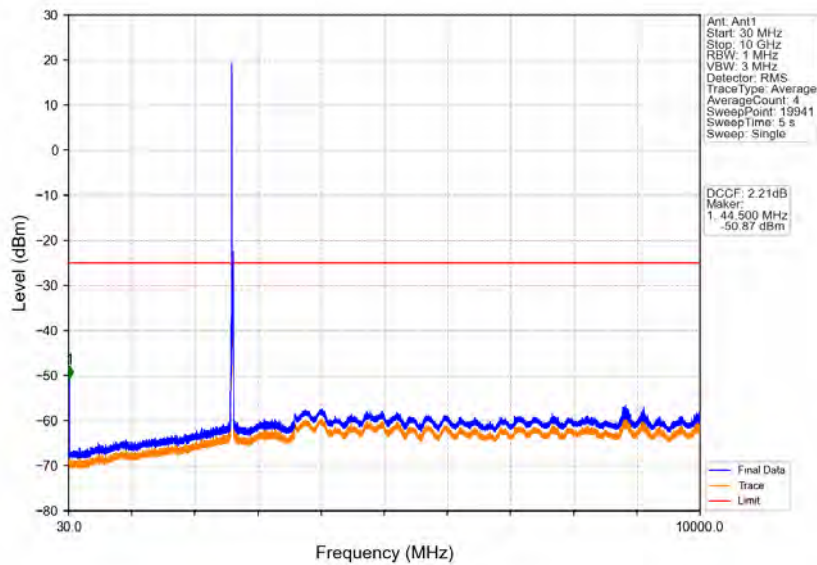
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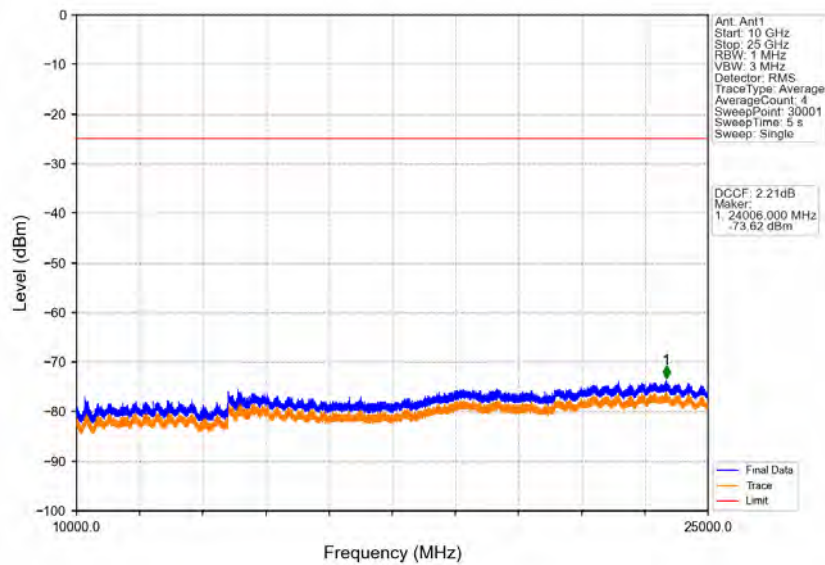
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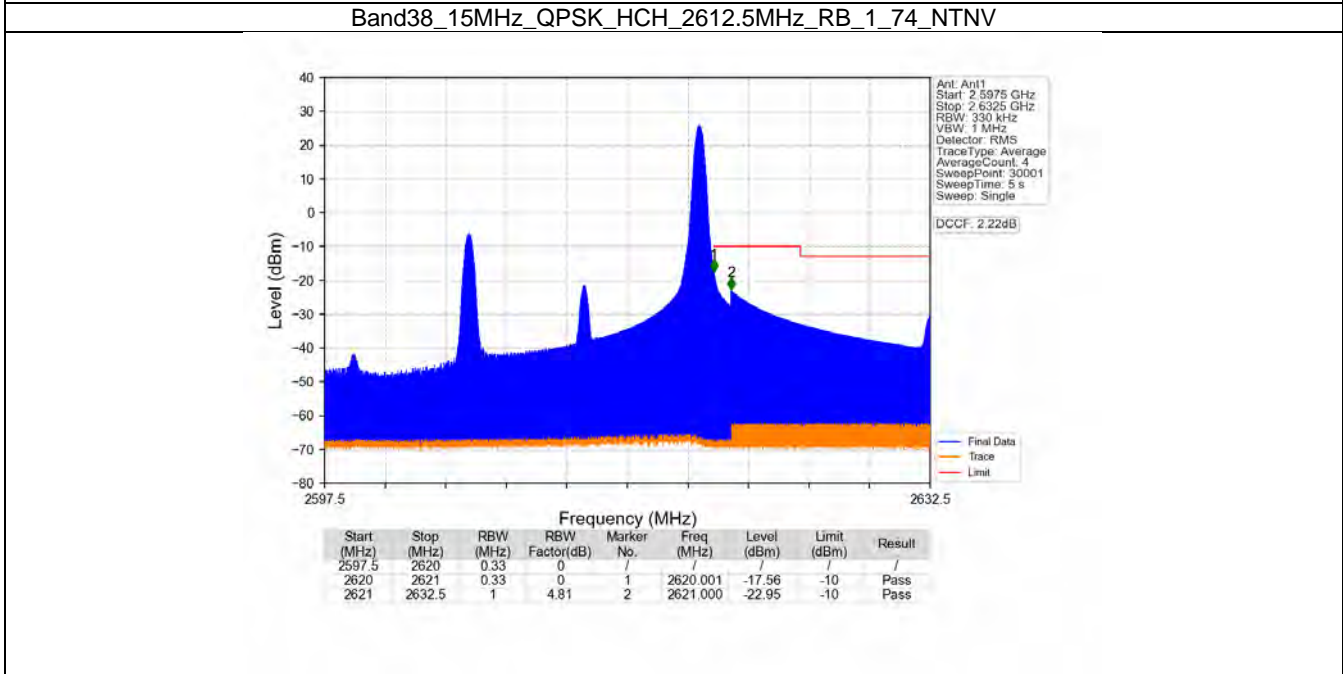
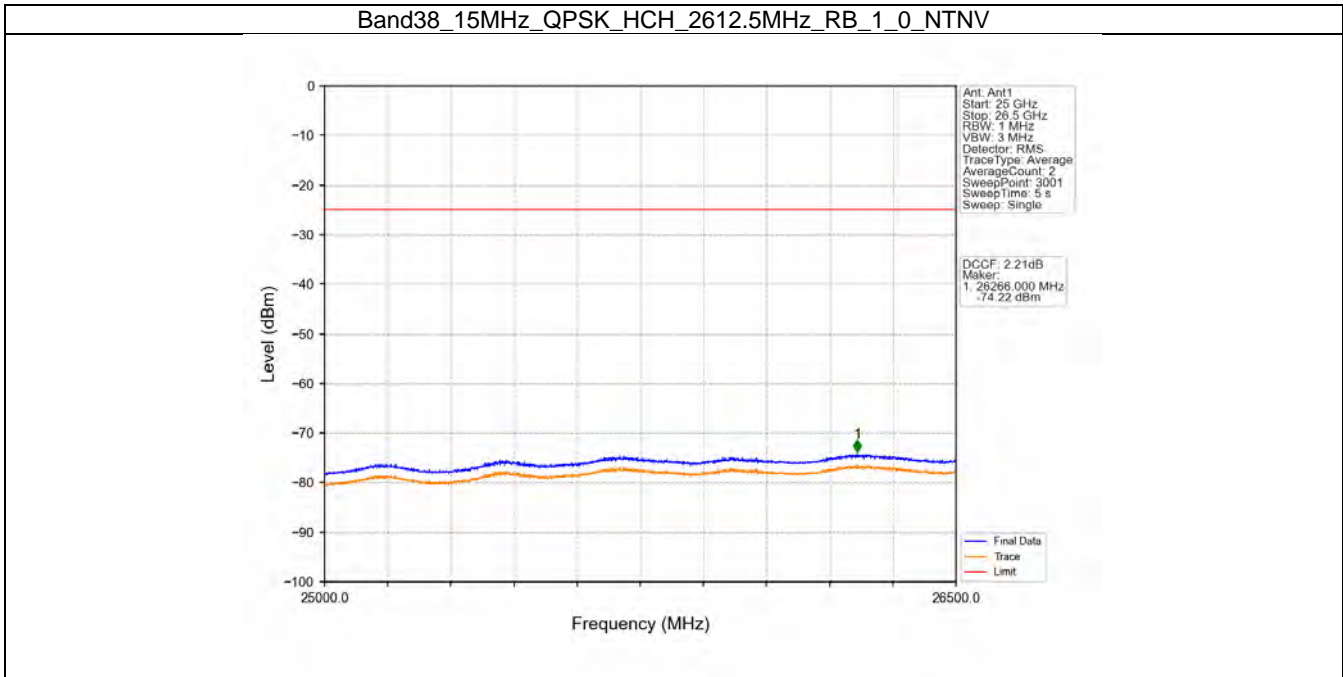
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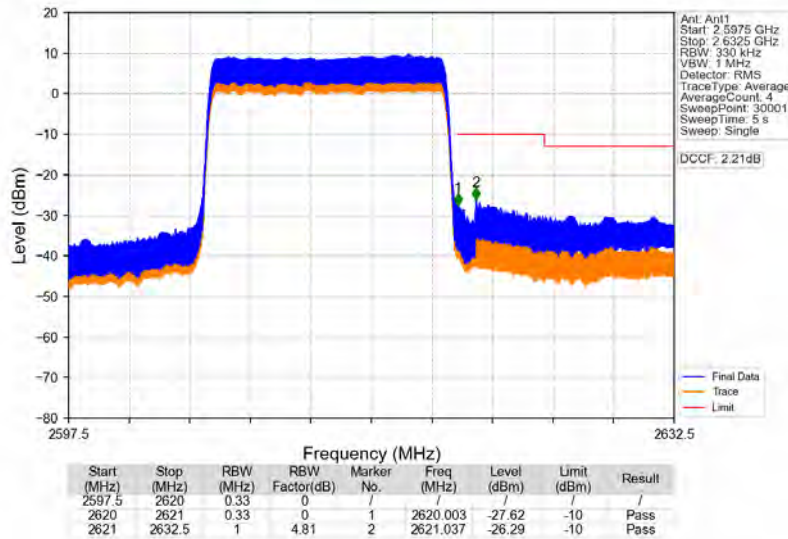


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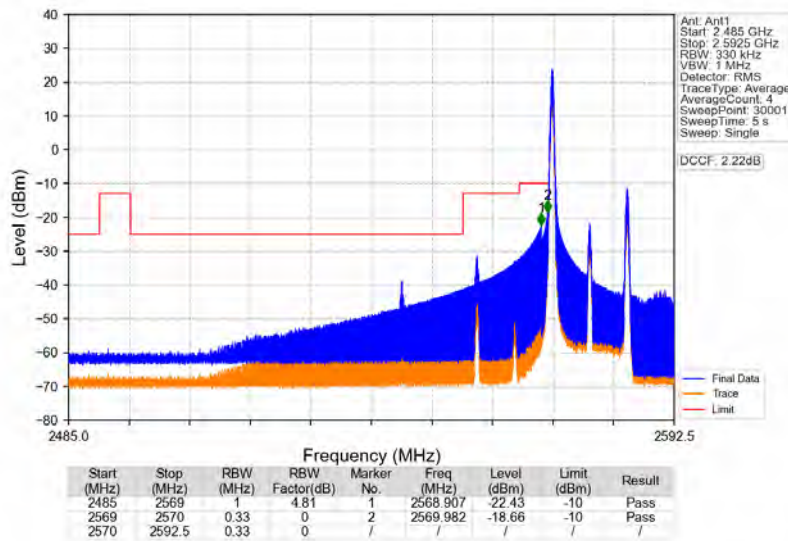
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



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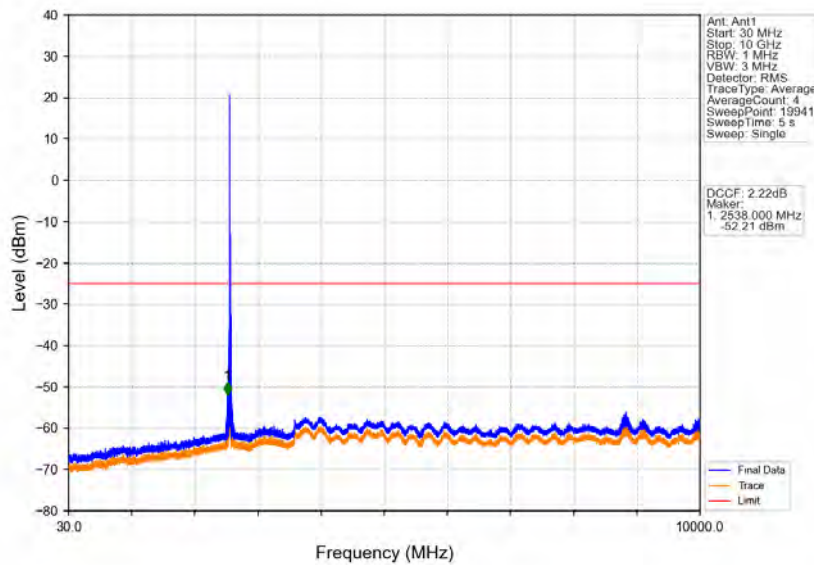
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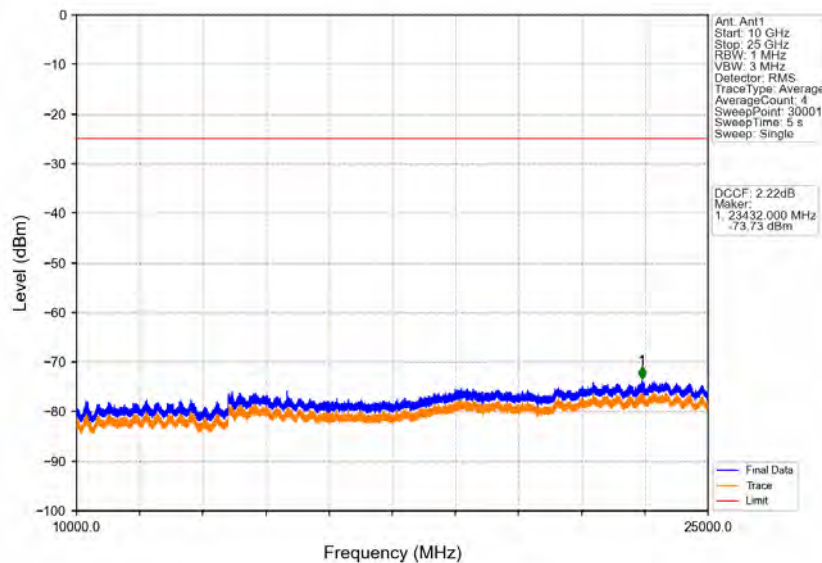
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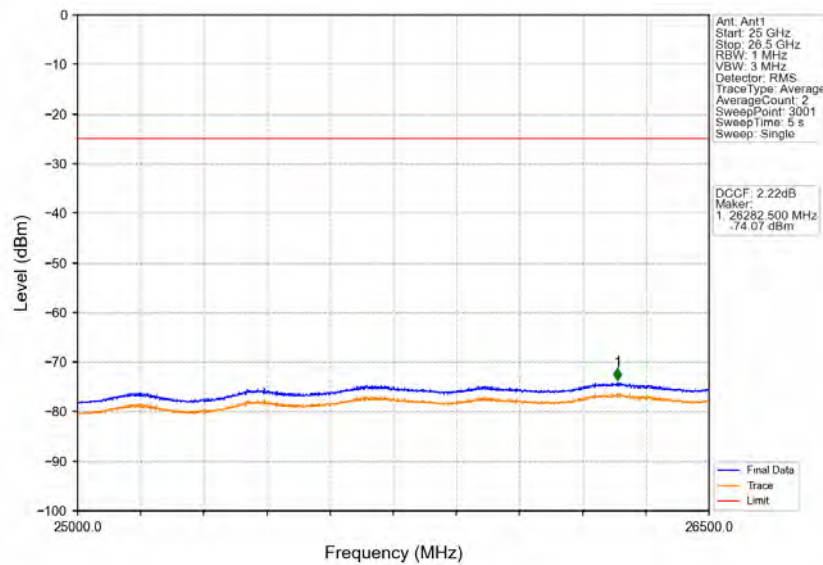
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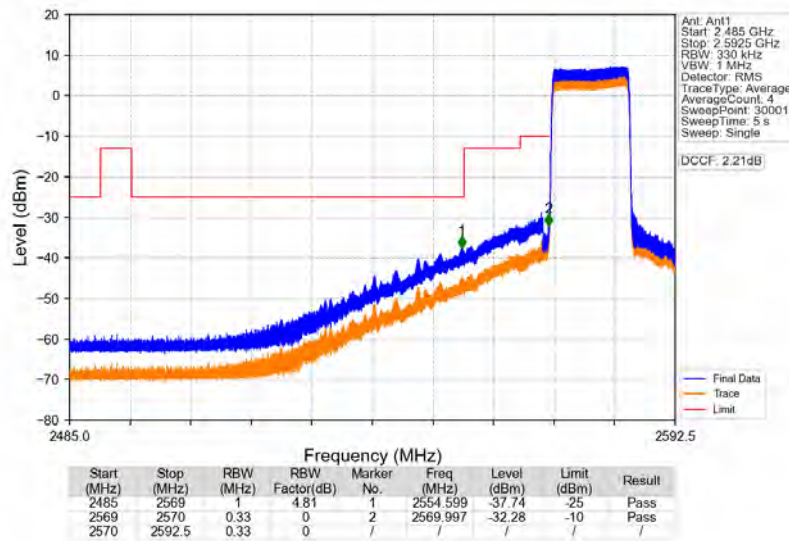
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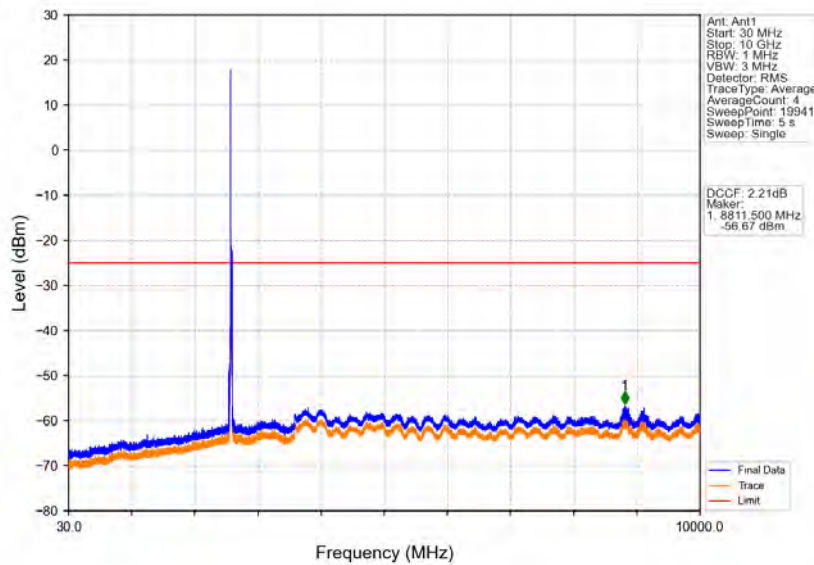
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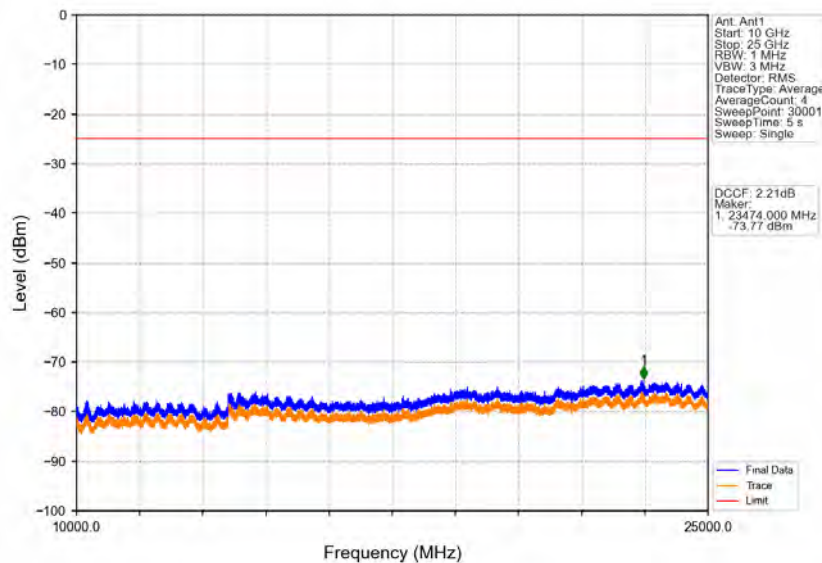
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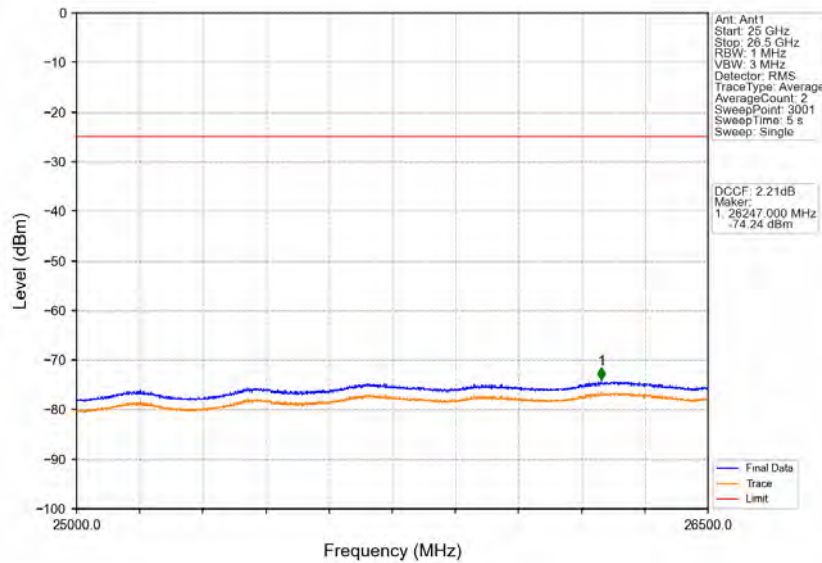
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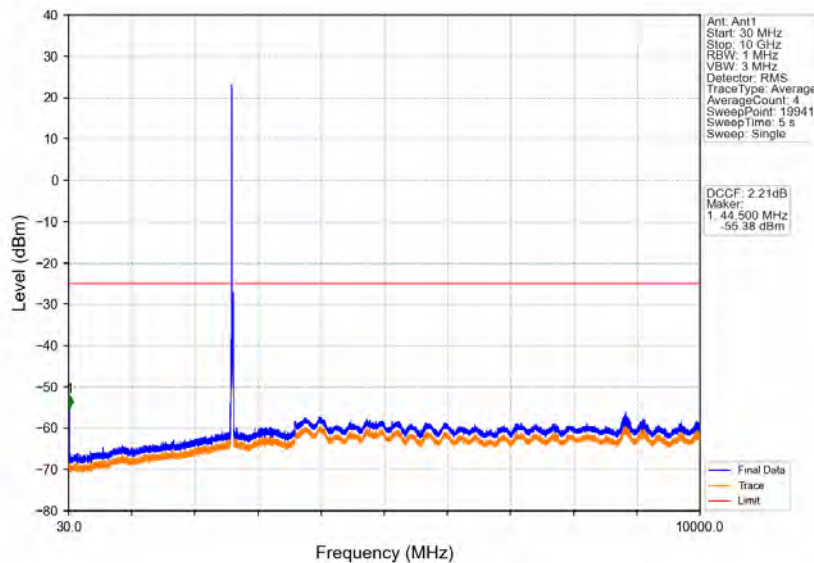
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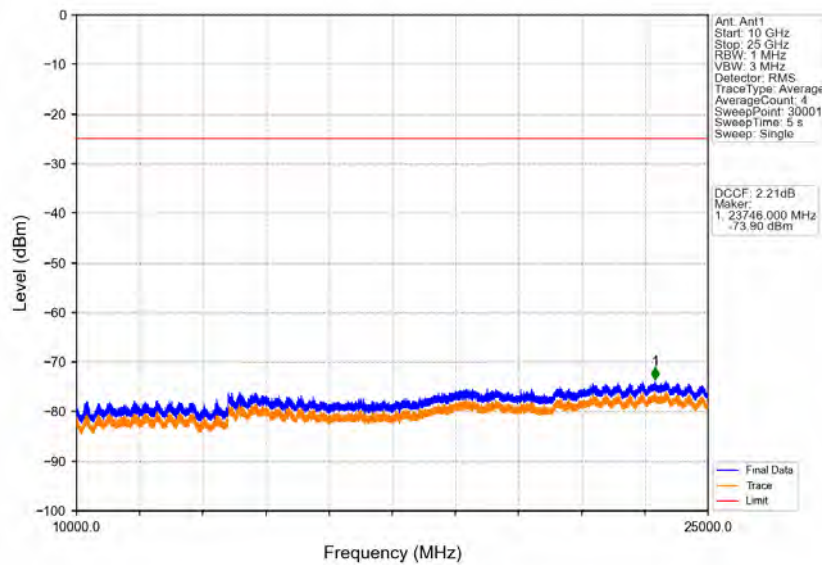
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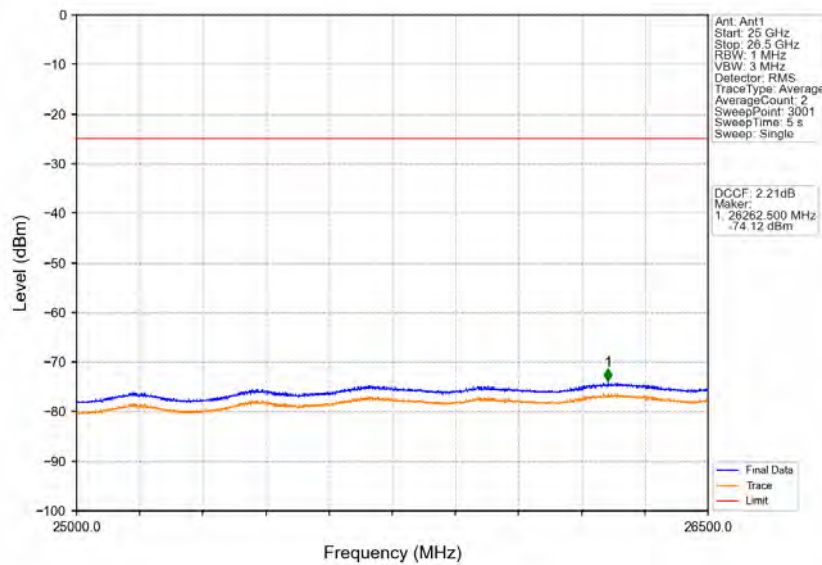
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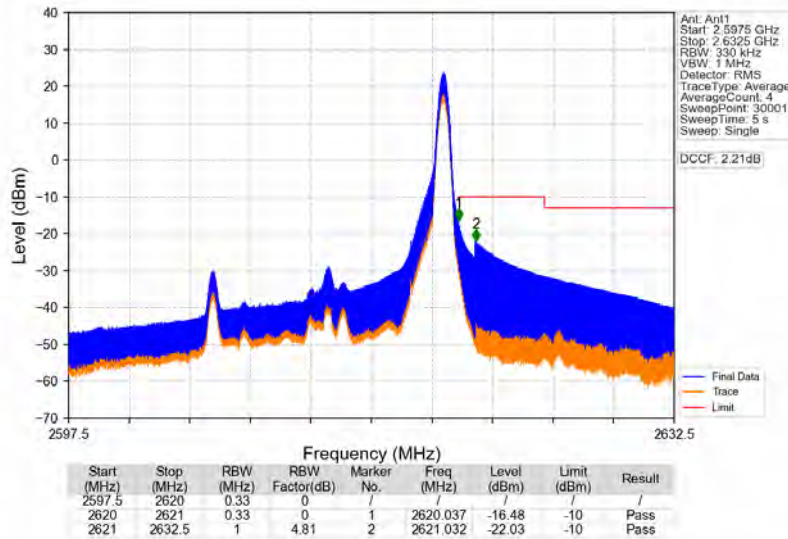
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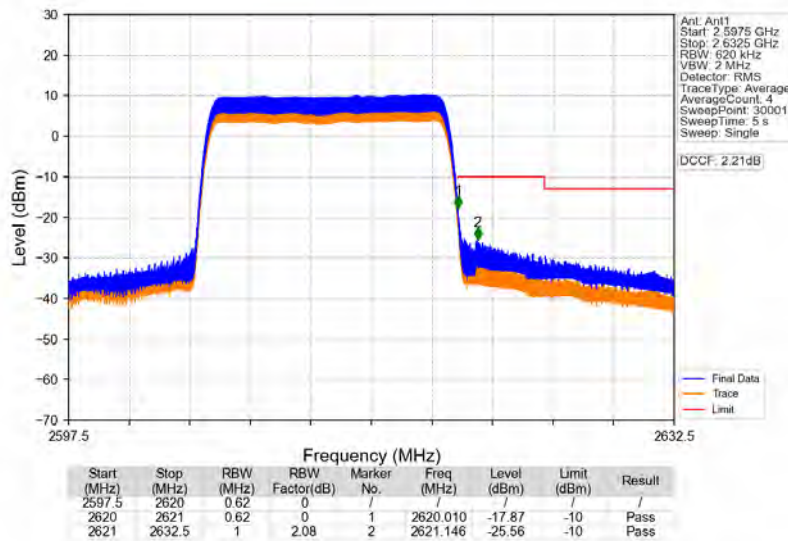
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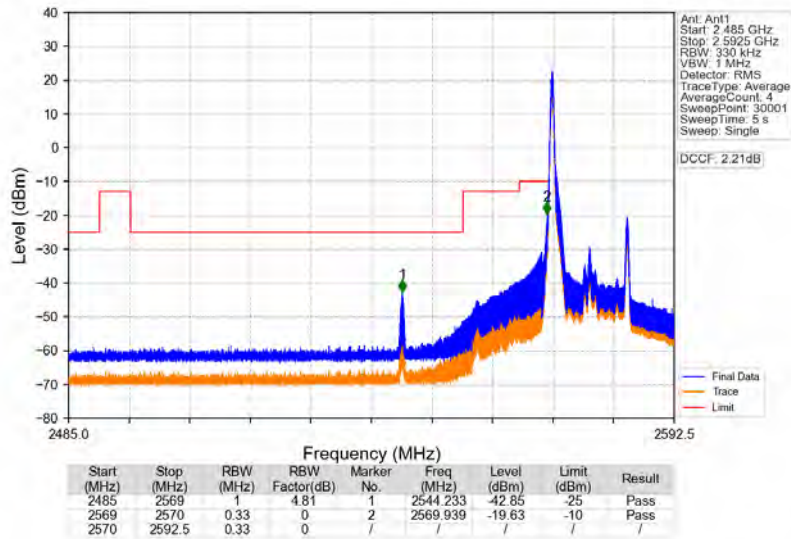
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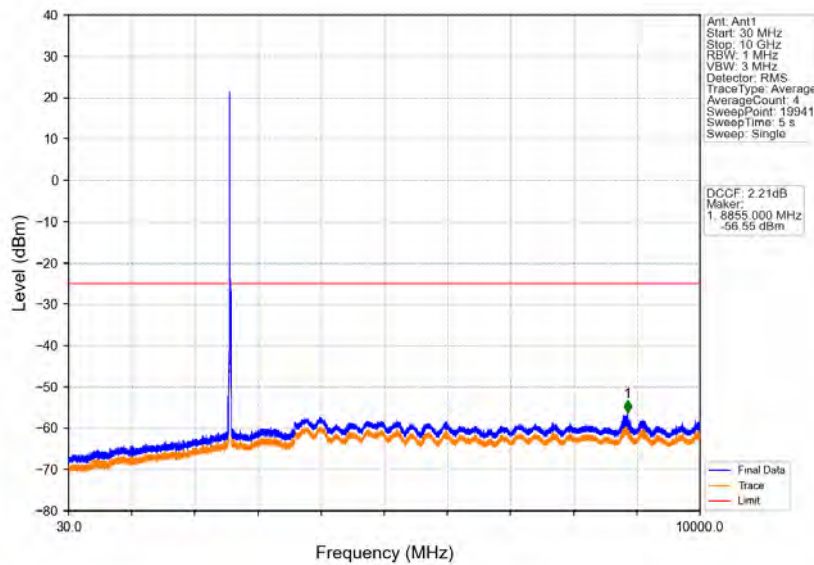
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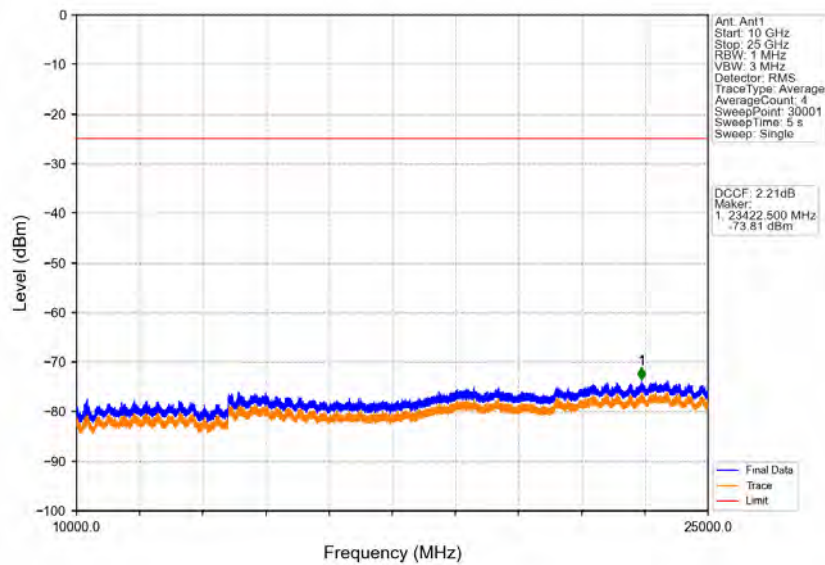
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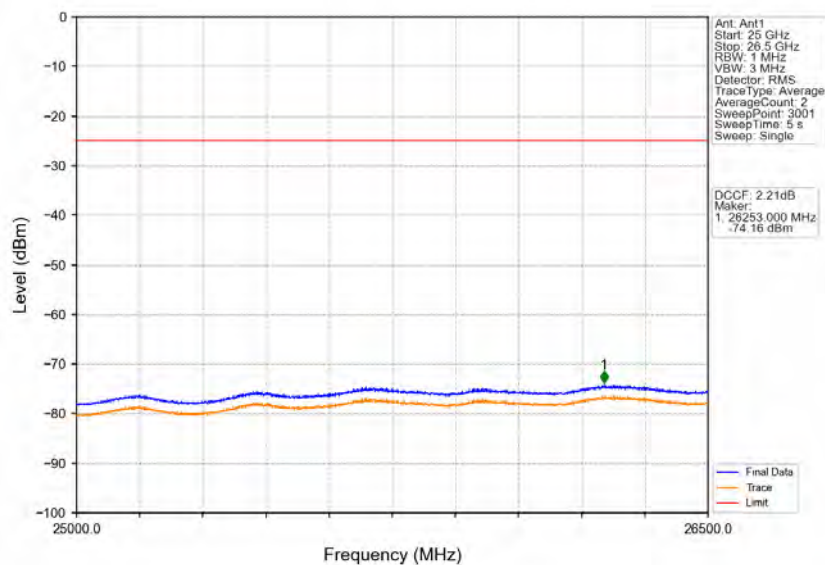


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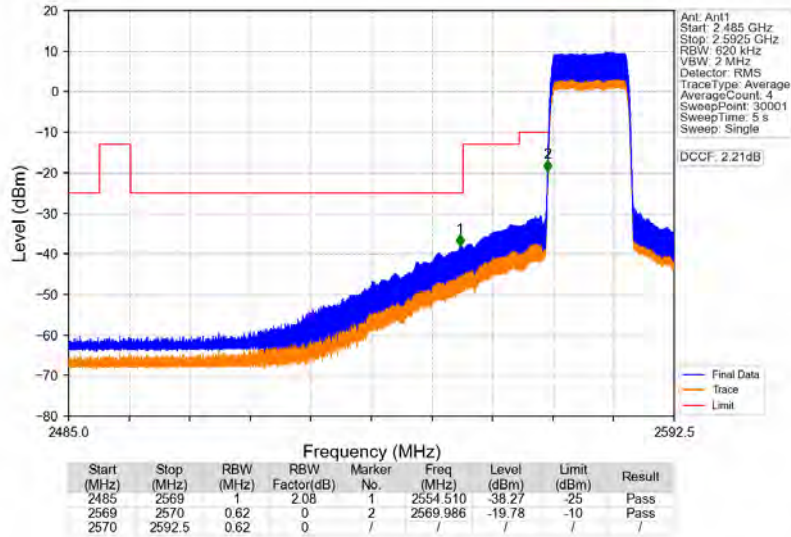
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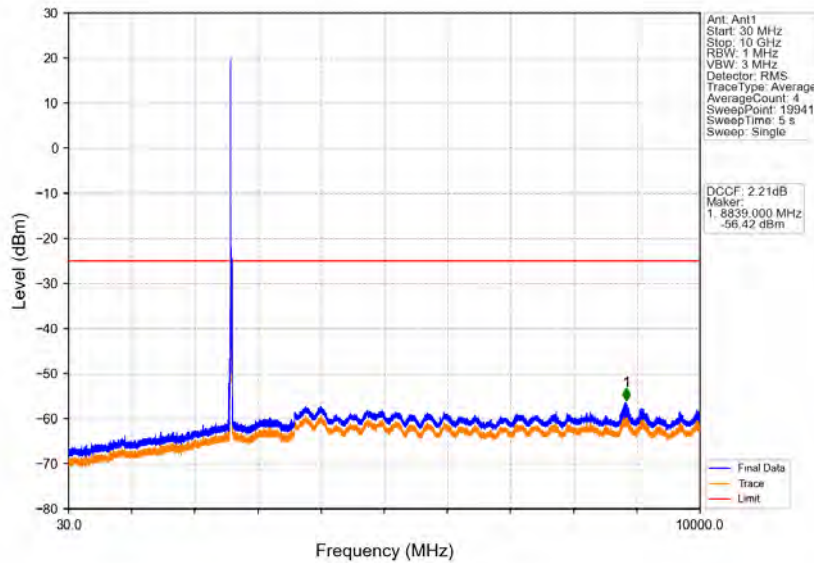
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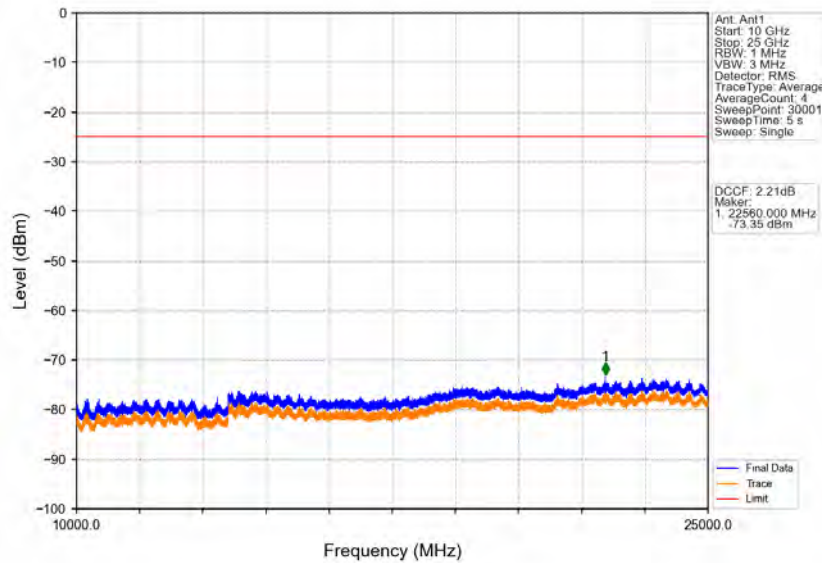
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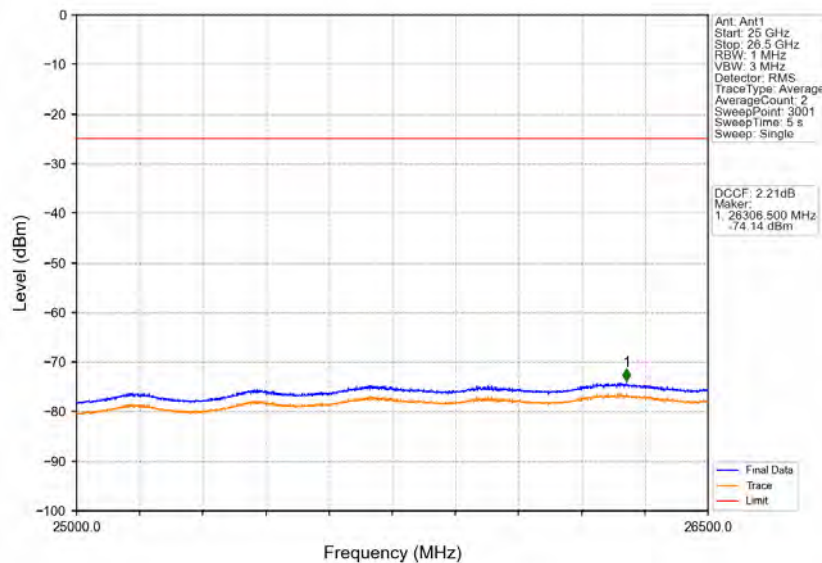


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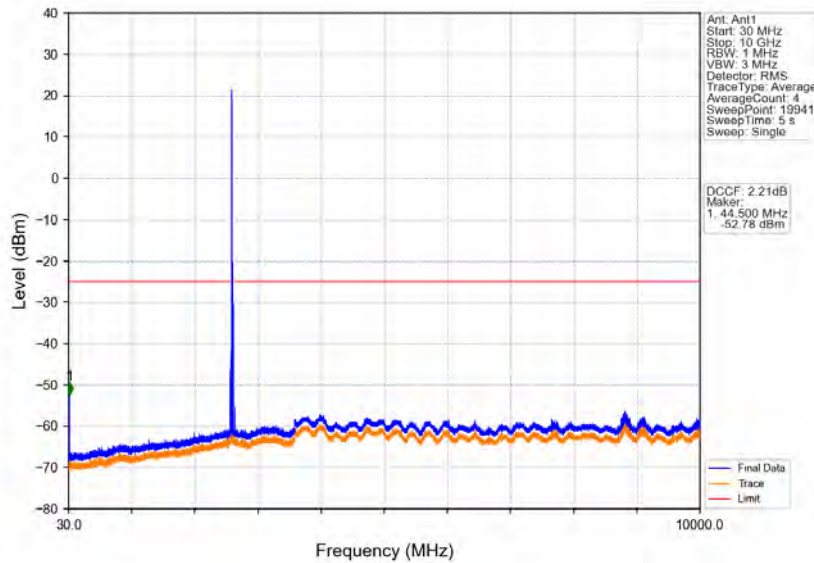
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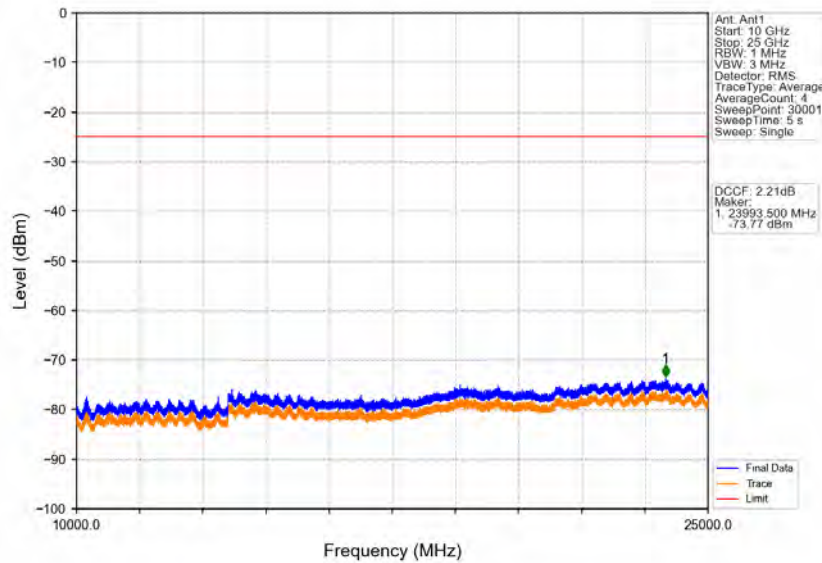
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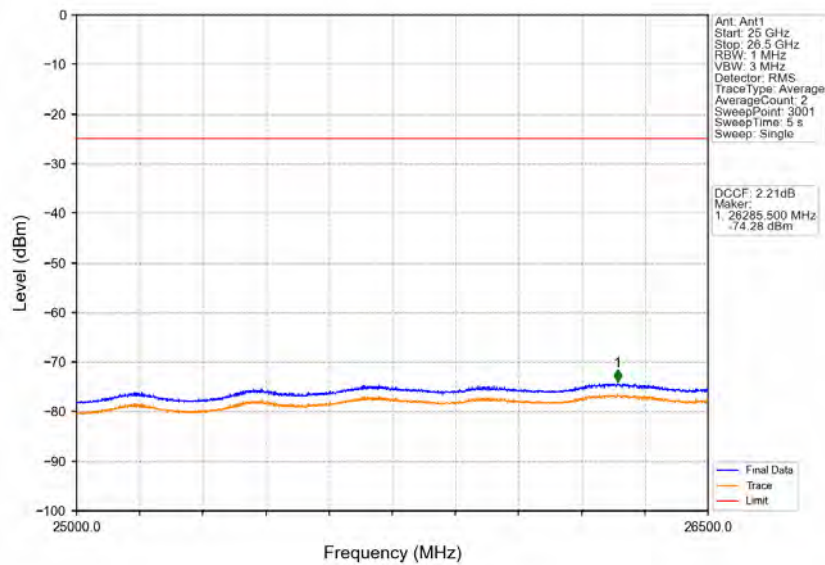
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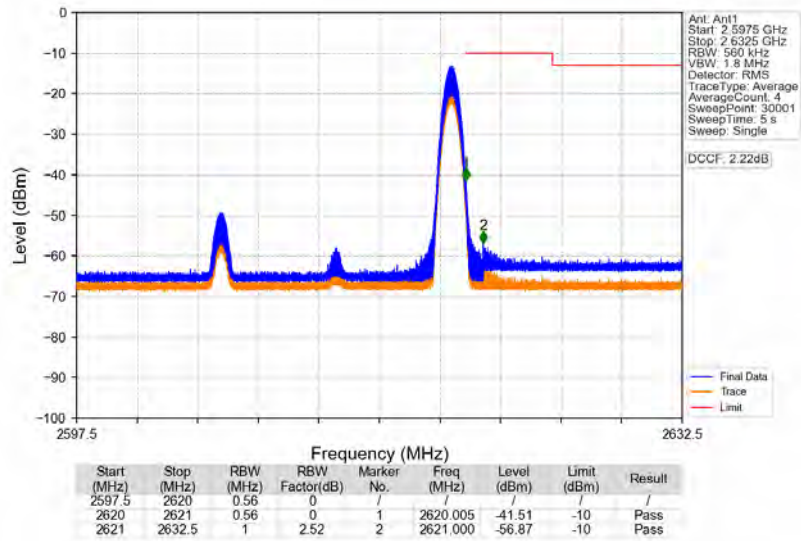
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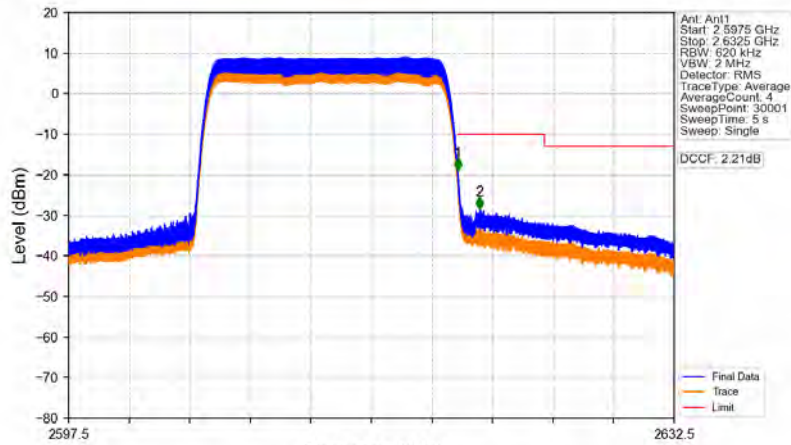
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.62	0	/	/	/	/	/
2620	2621	0.62	0	1	2620.000	-19.05	-10	Pass
2621	2632.5	1	2.08	2	2621.251	-28.56	-10	Pass



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6.4 B38_20MHz

6.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTV						
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

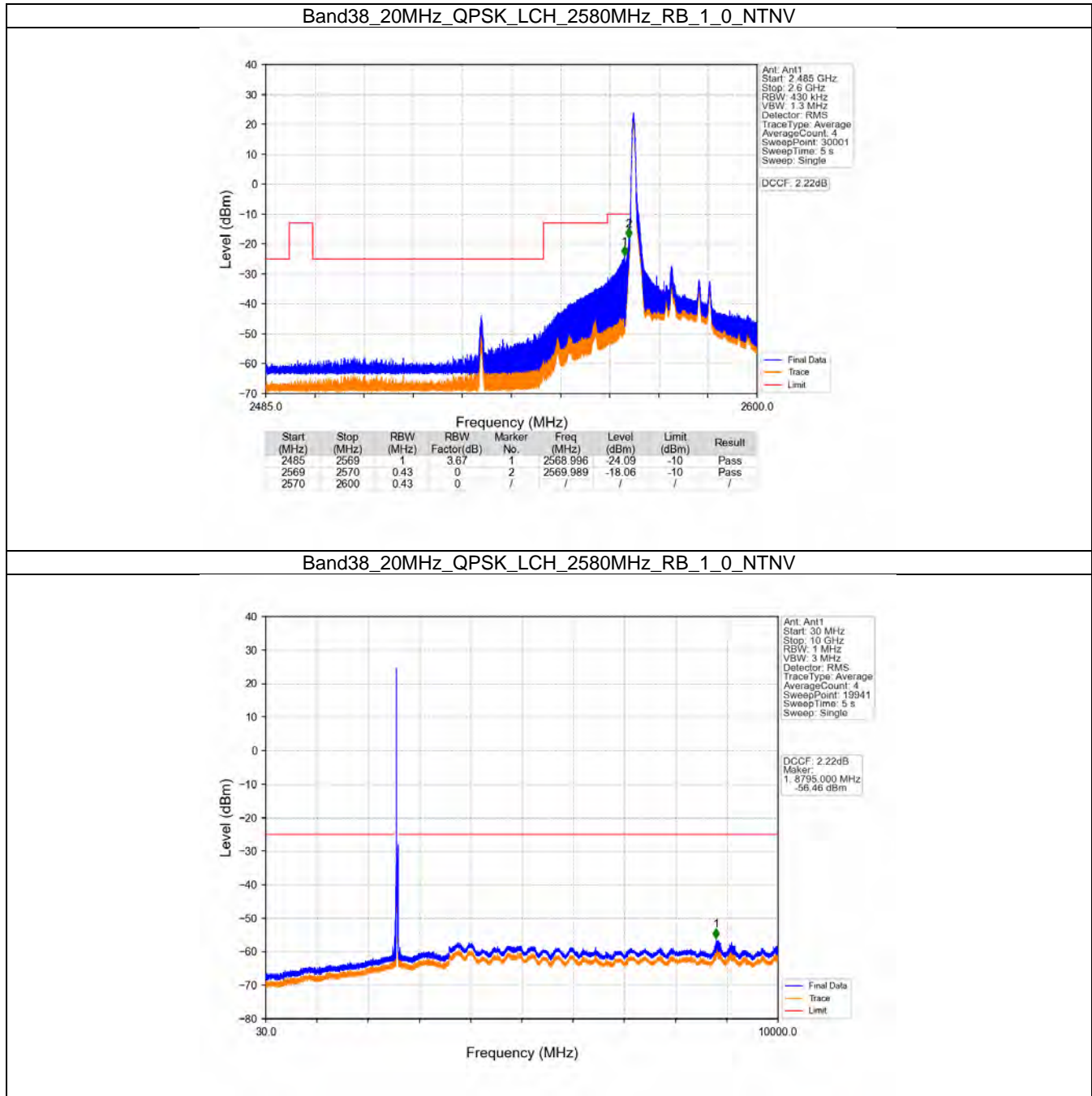


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6.4.2 Test Graph



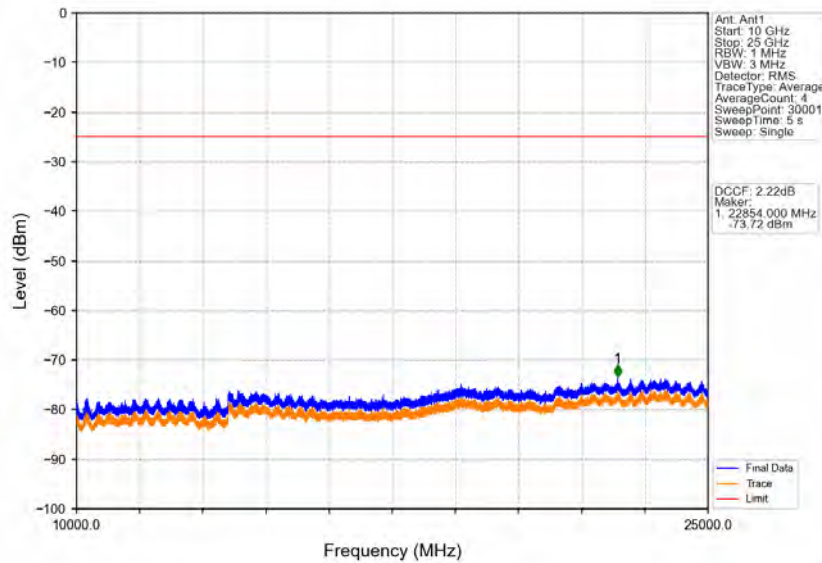
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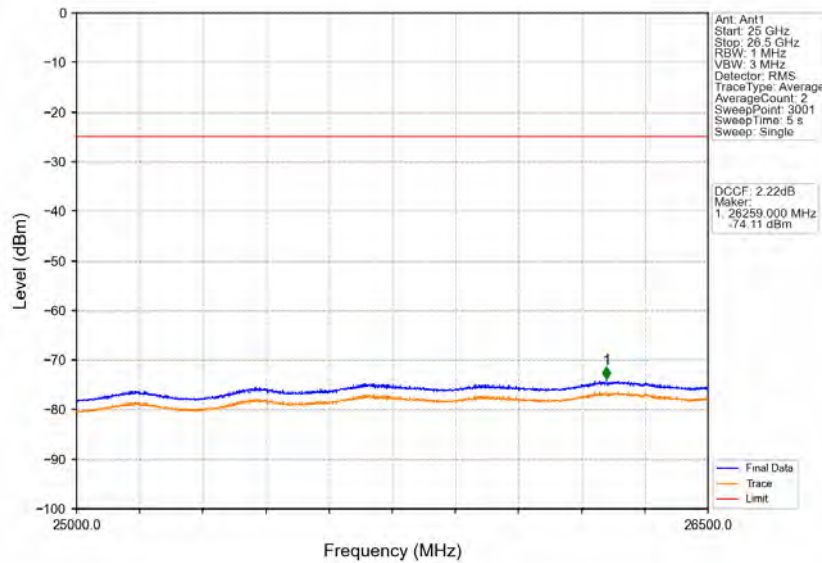
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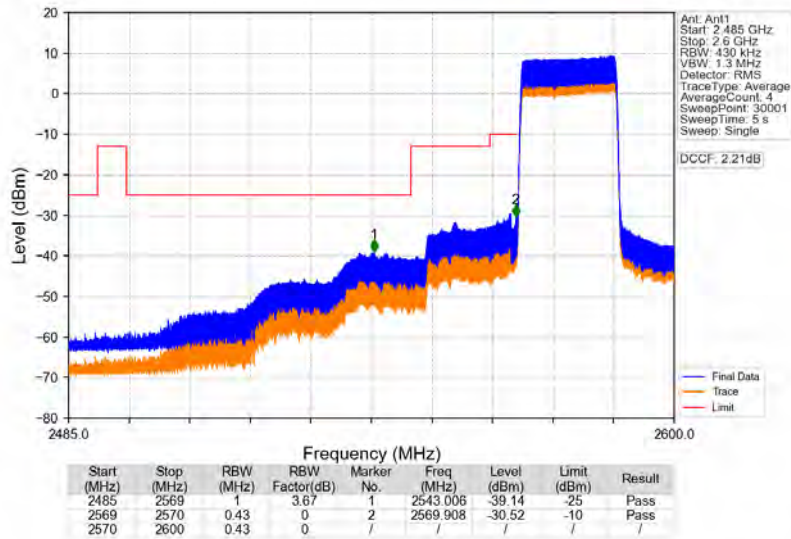
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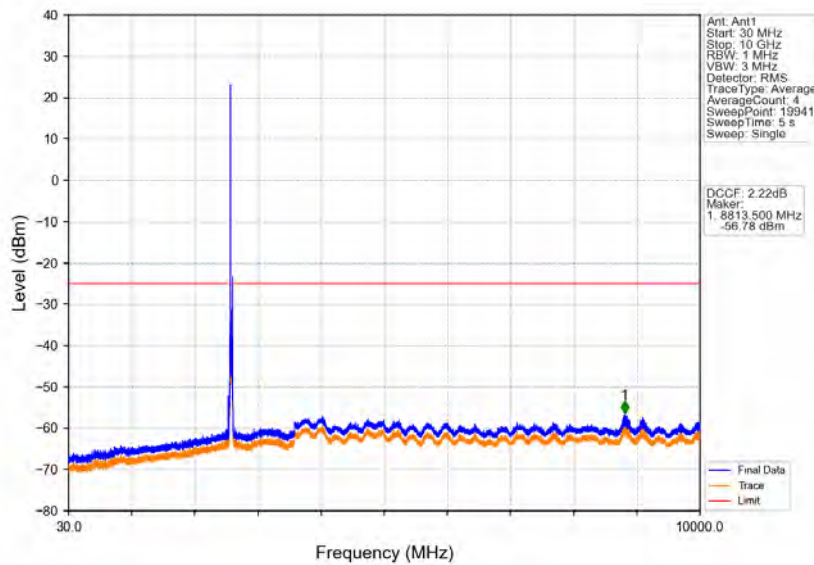
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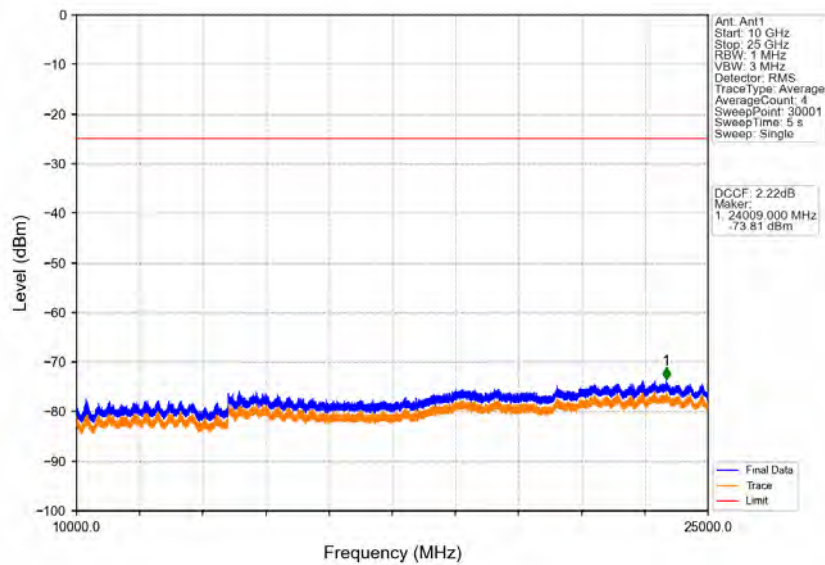
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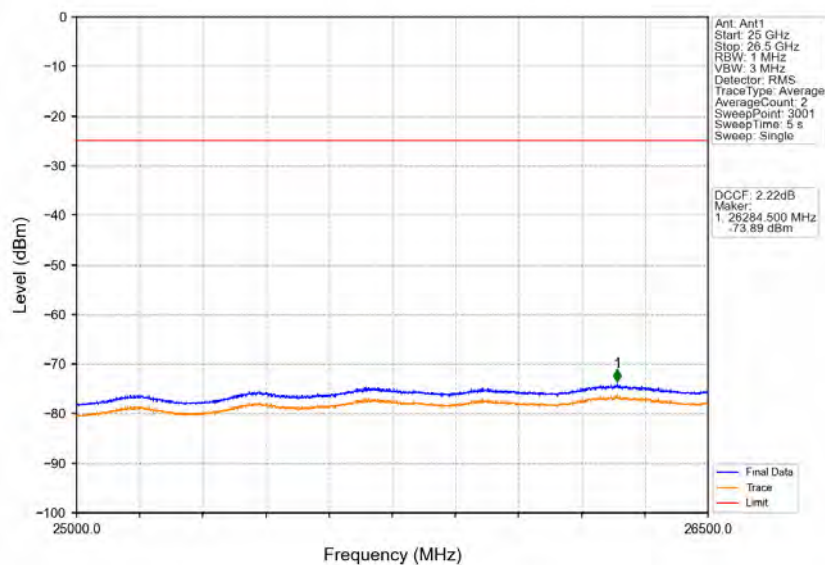


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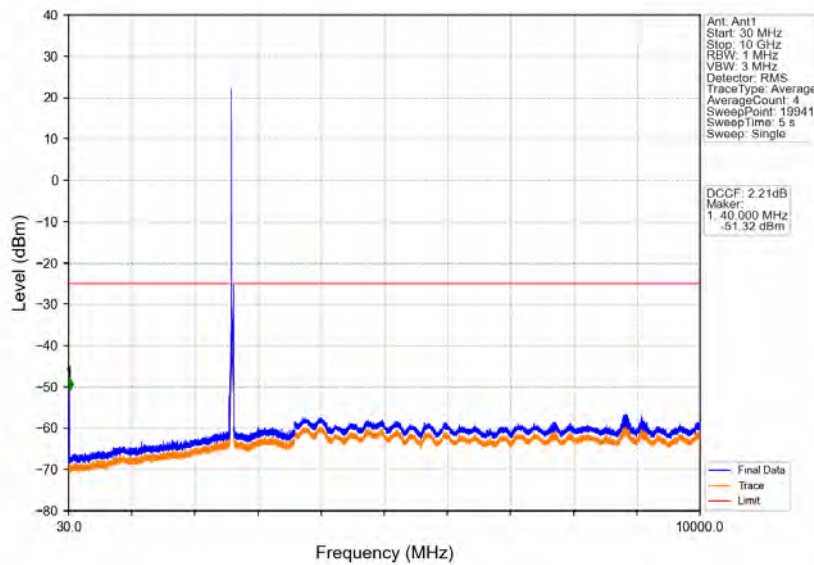
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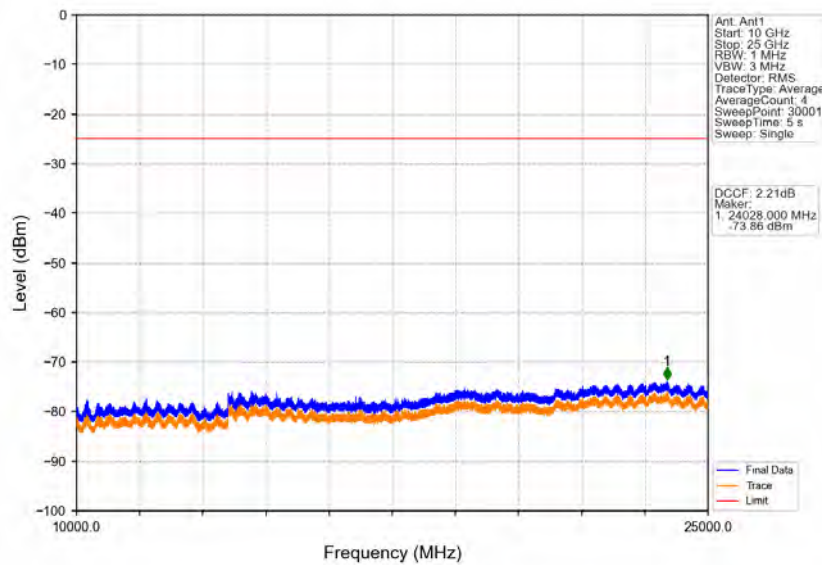
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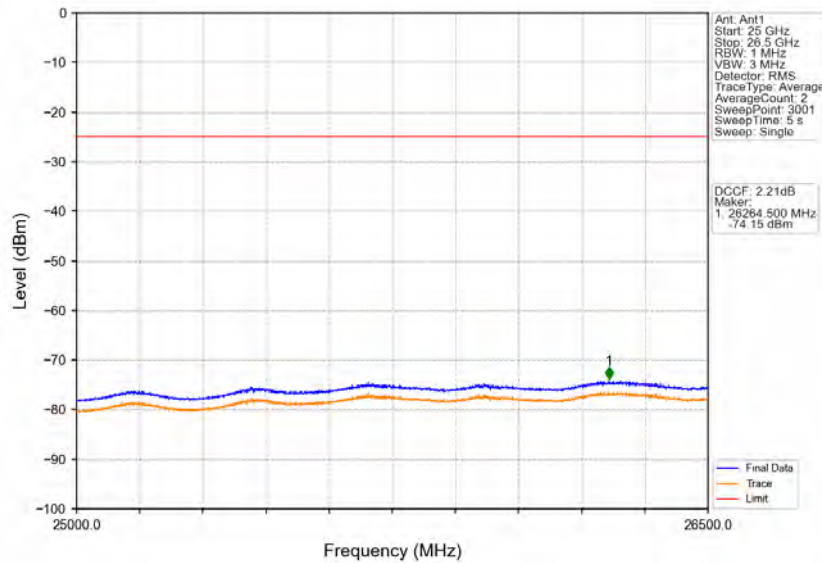
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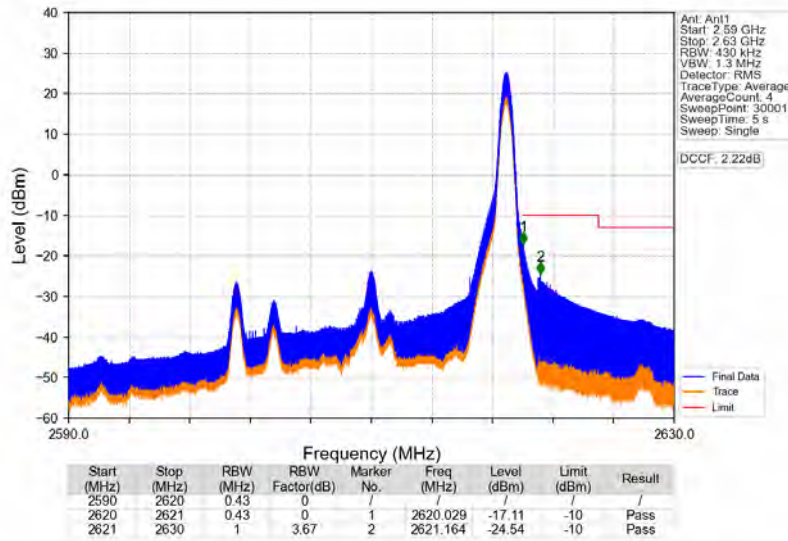
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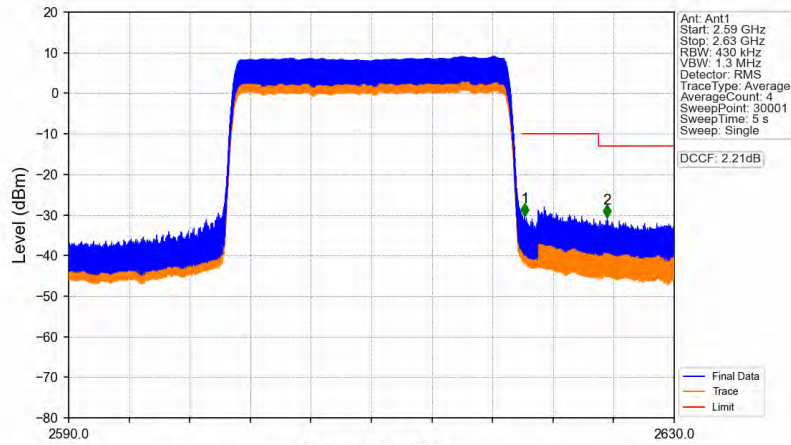
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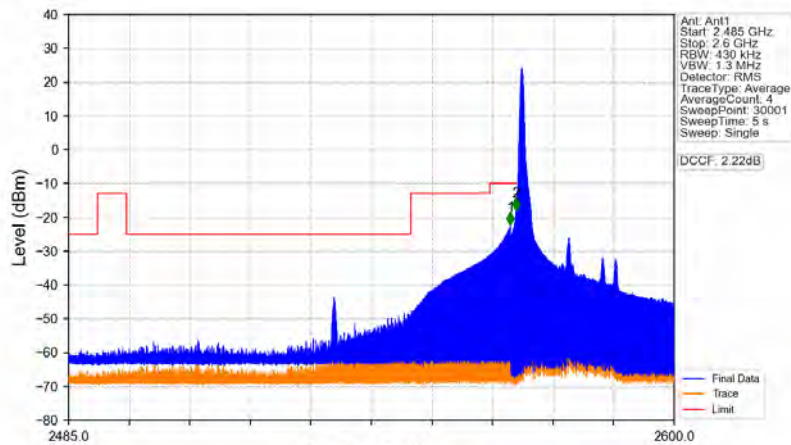
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.131	-30.32	-10	Pass
2621	2630	1	3.67	2	2625.571	-30.65	-13	Pass

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	3.67	1	2568.939	-22.30	-10	Pass
2569	2570	0.43	0	2	2569.989	-17.98	-10	Pass
2570	2600	0.43	0	/	/	/	/	/



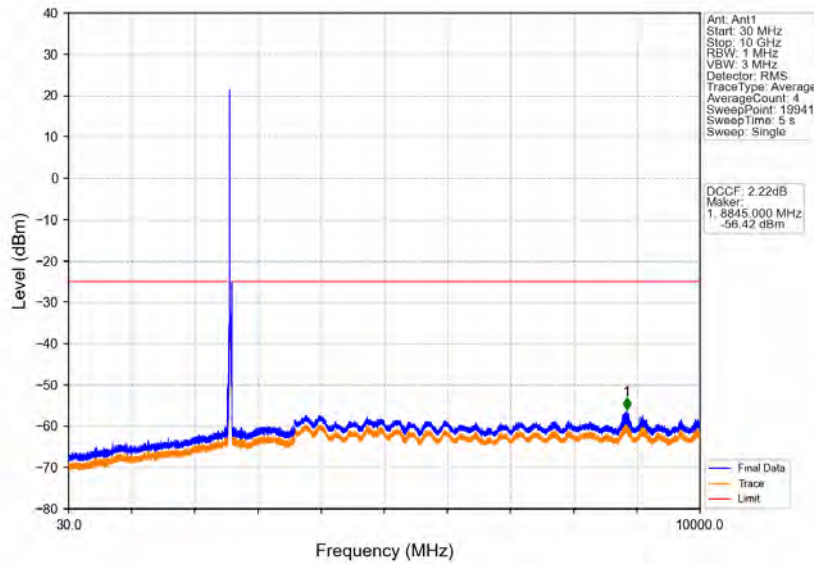
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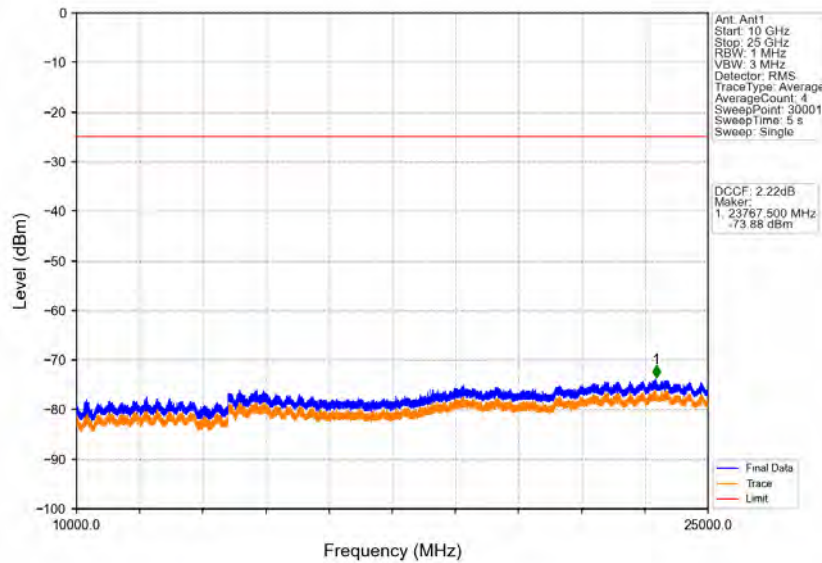
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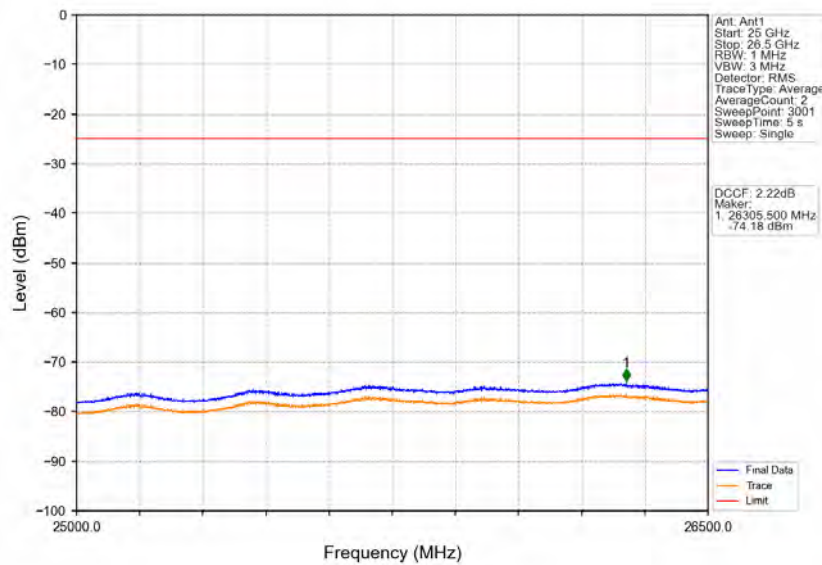
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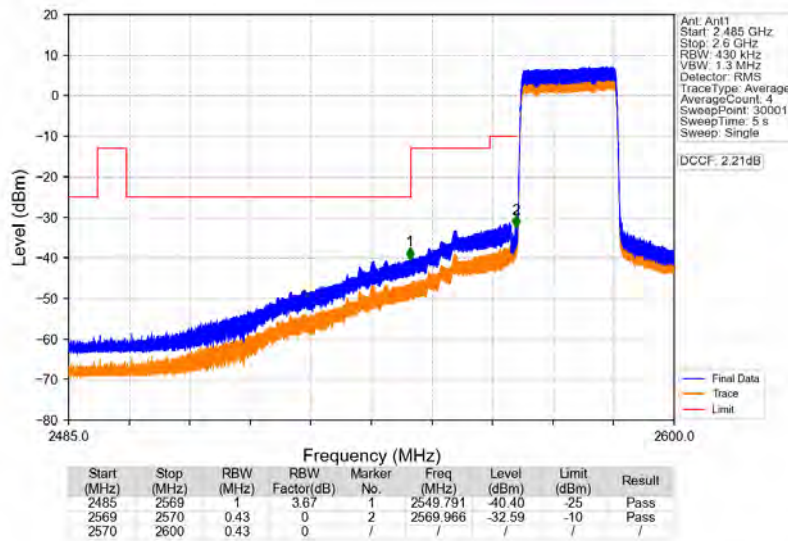
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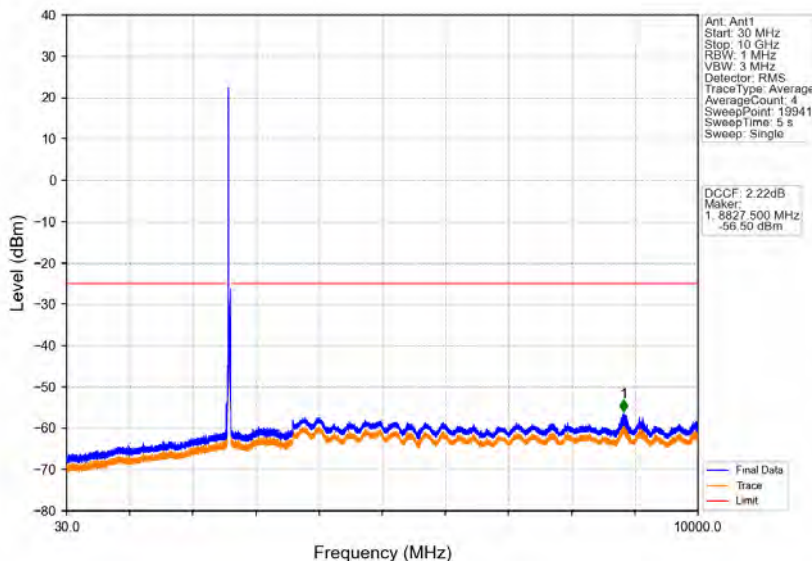
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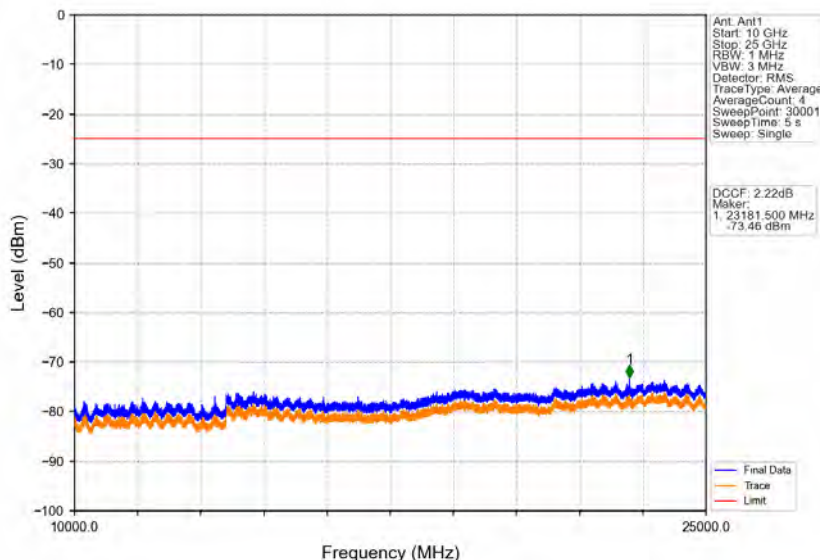
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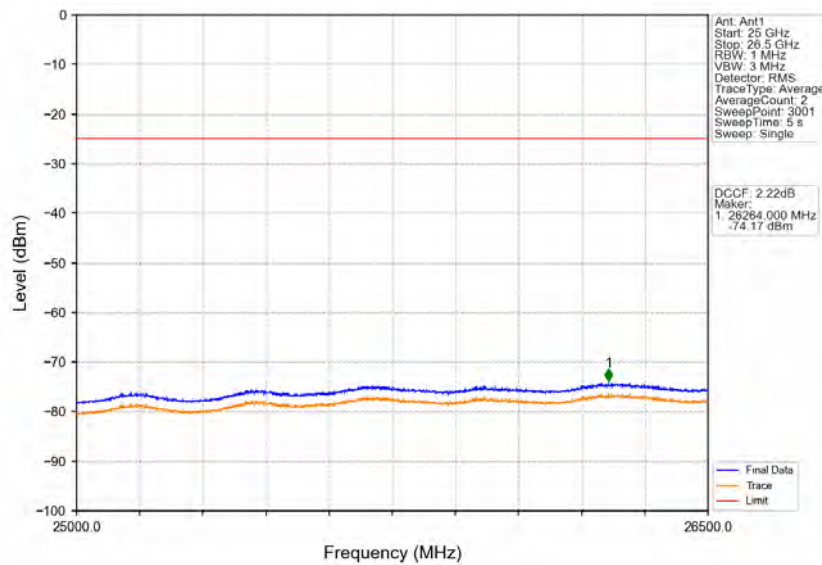
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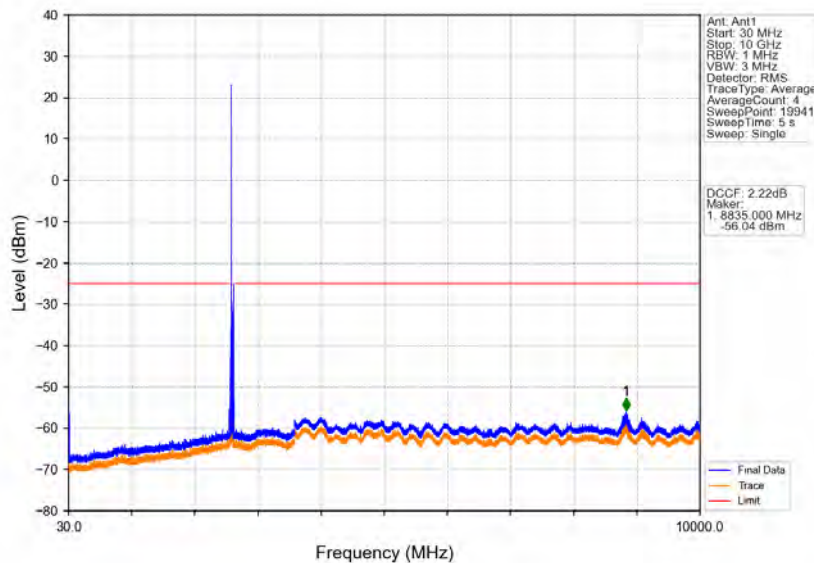
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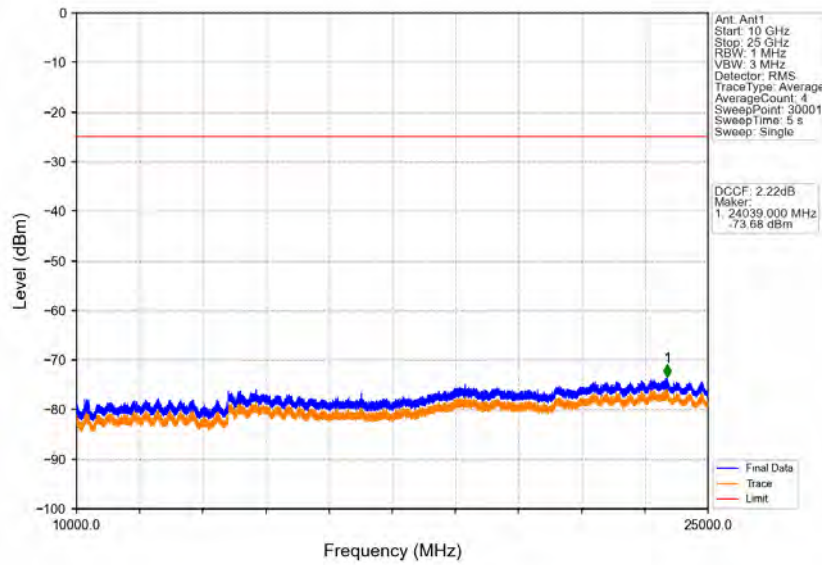
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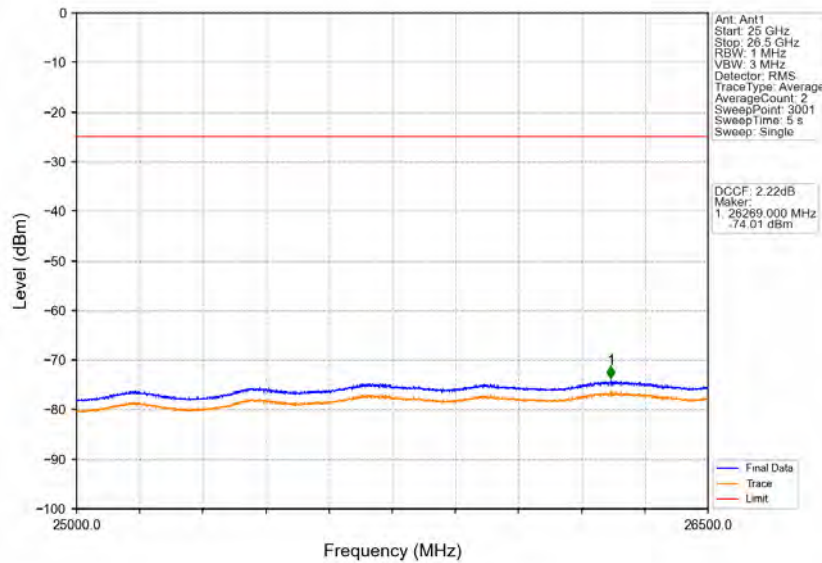
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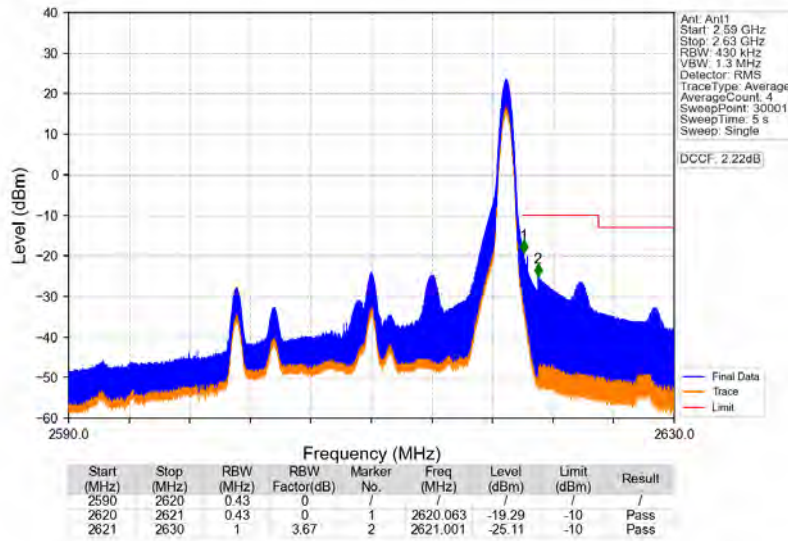
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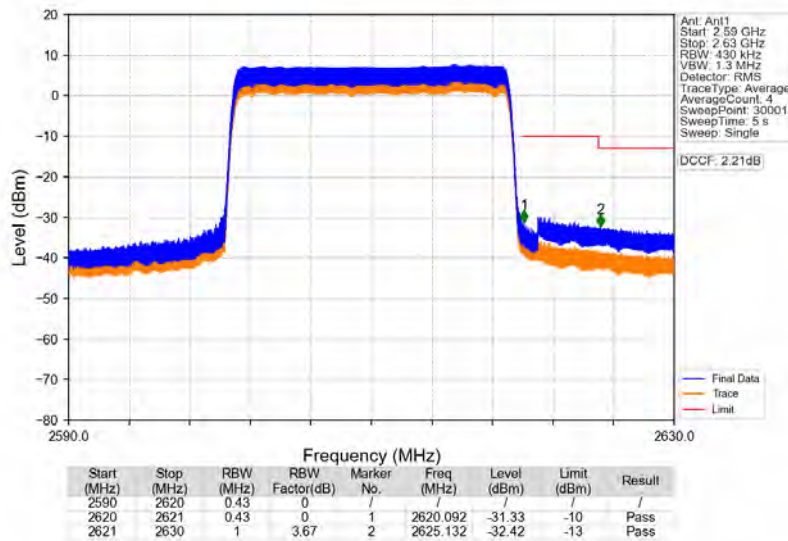
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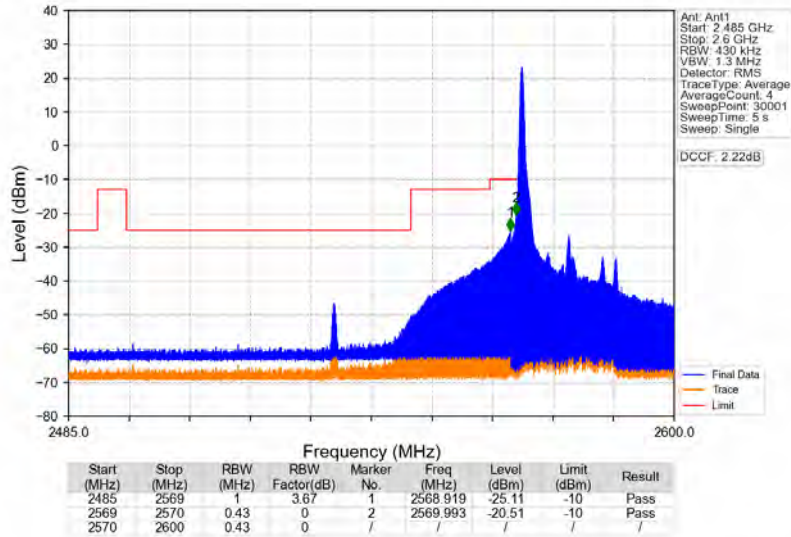
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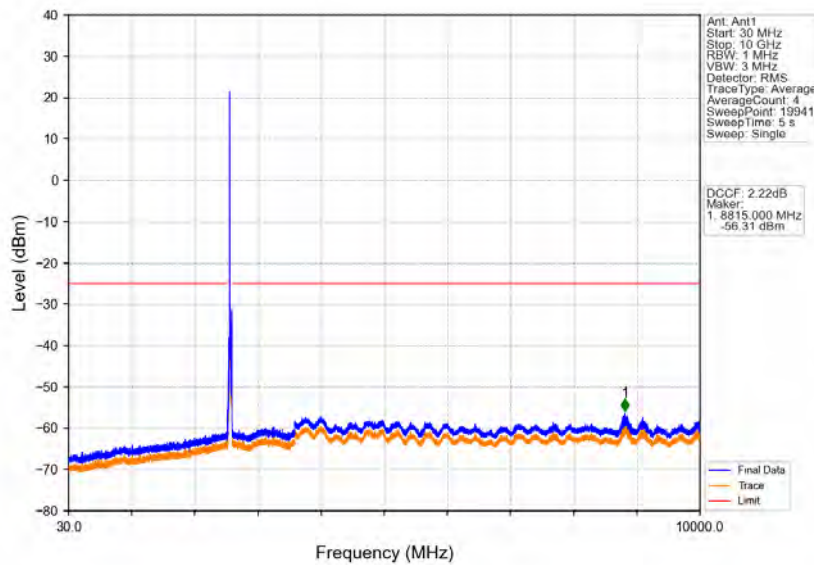
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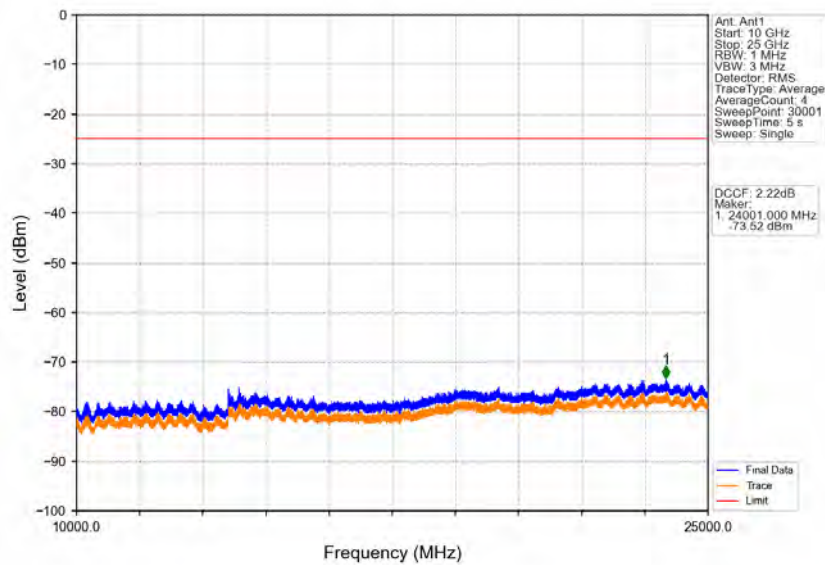
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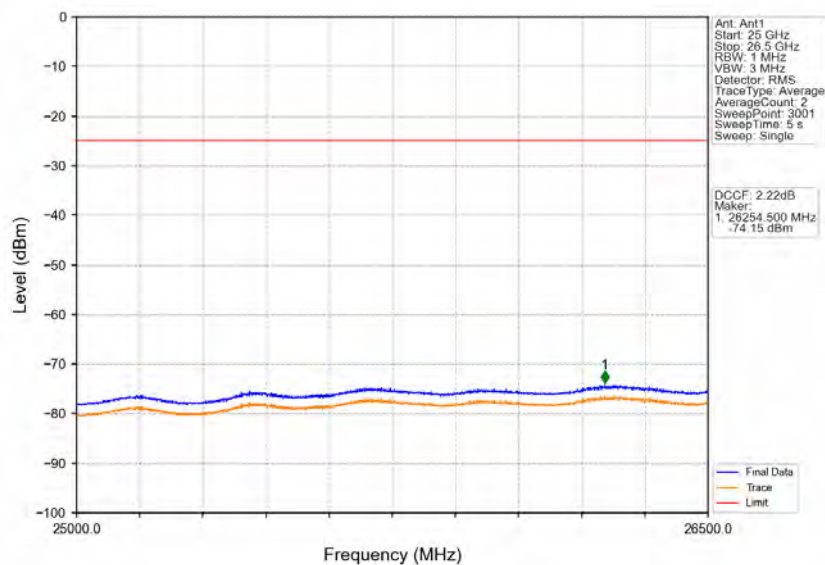


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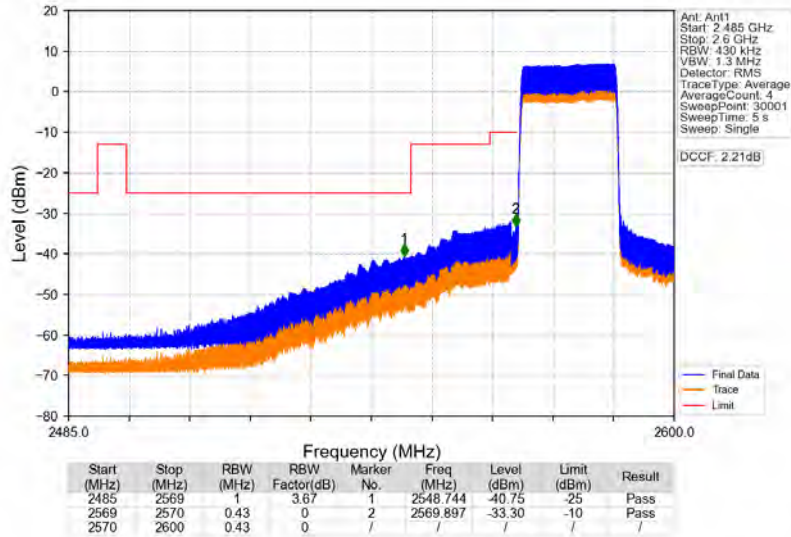
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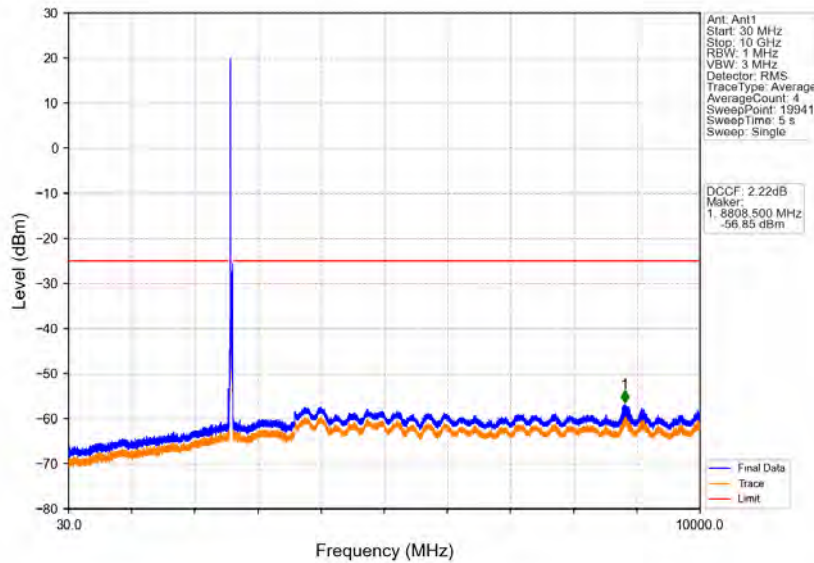
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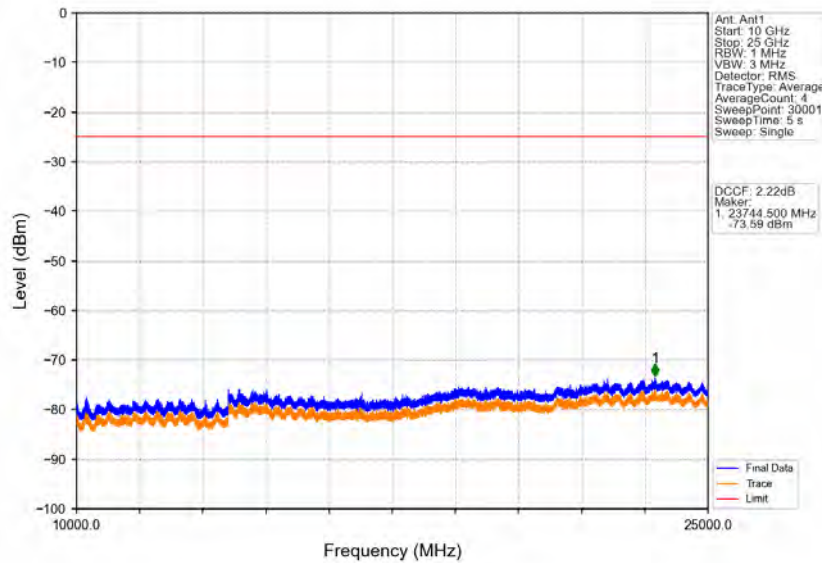
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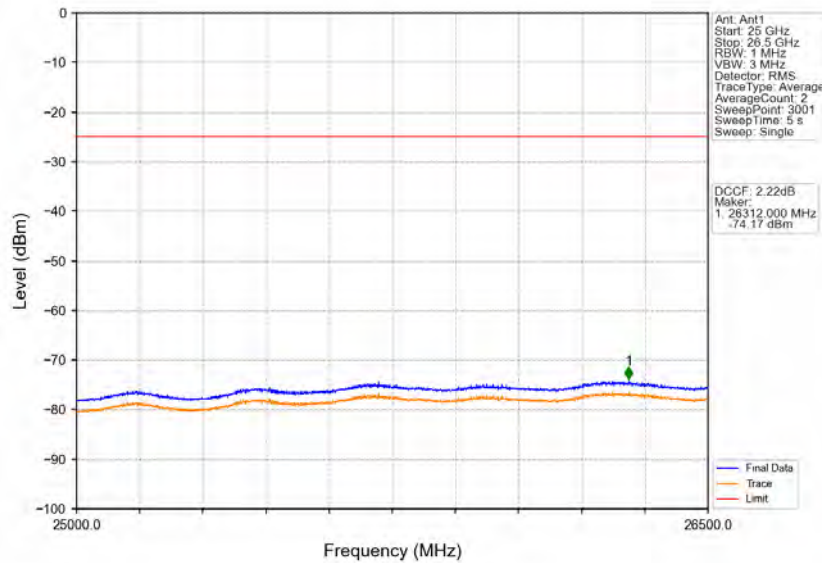


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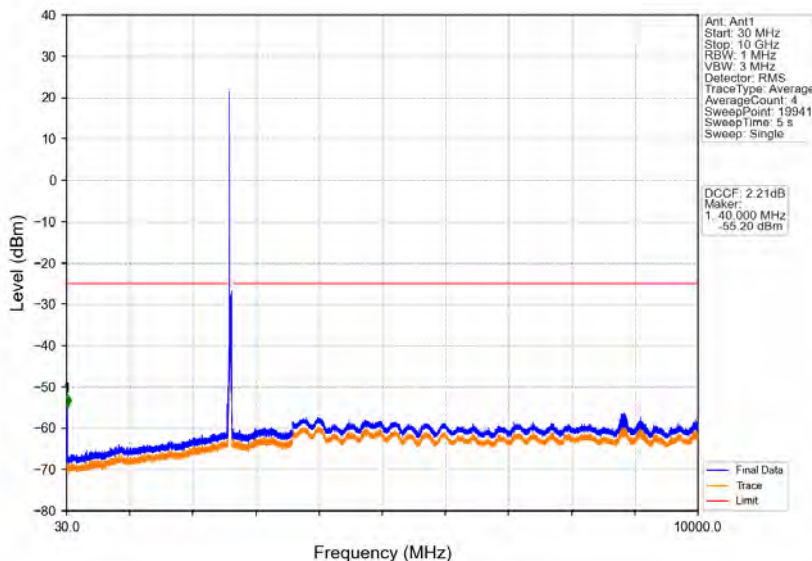
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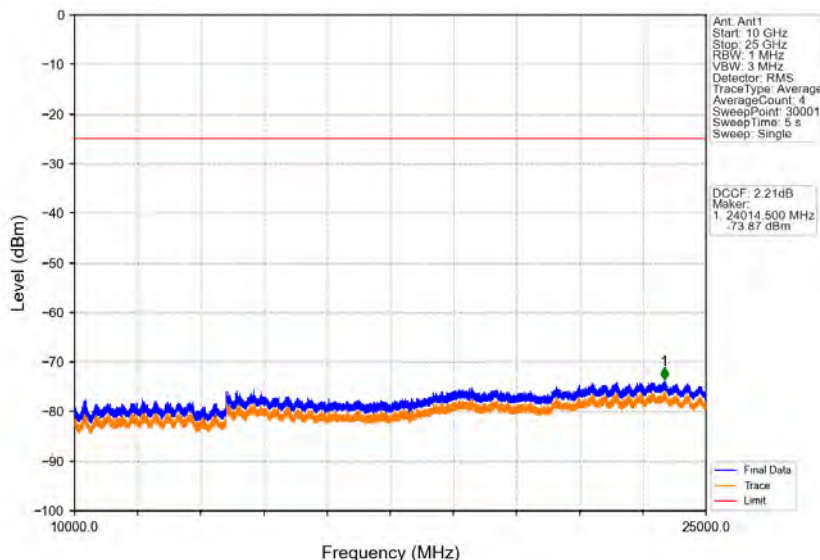
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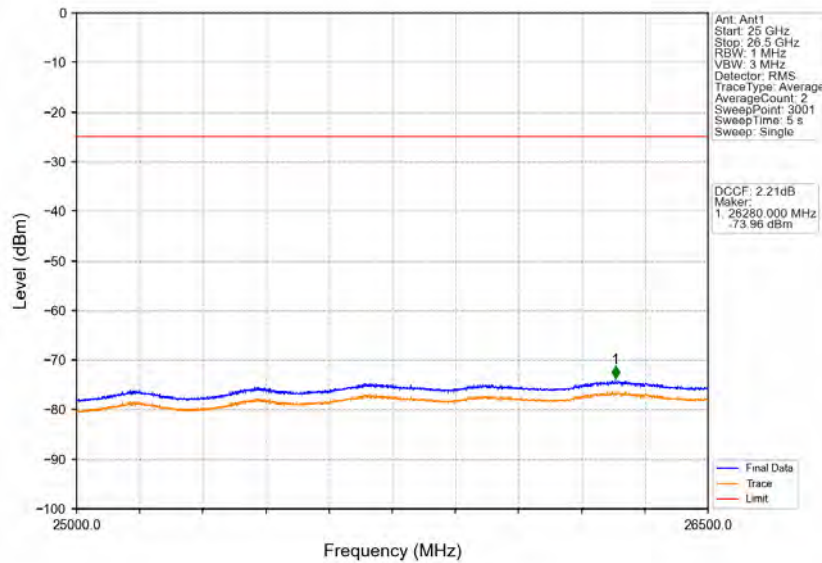
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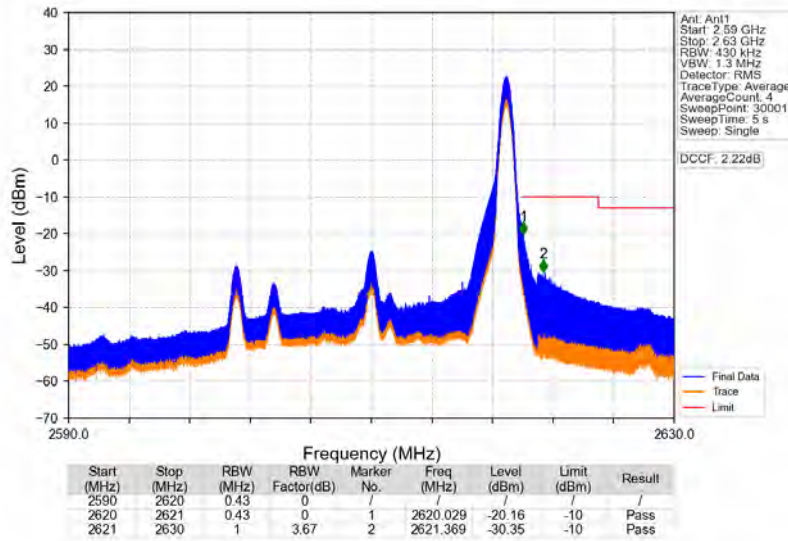
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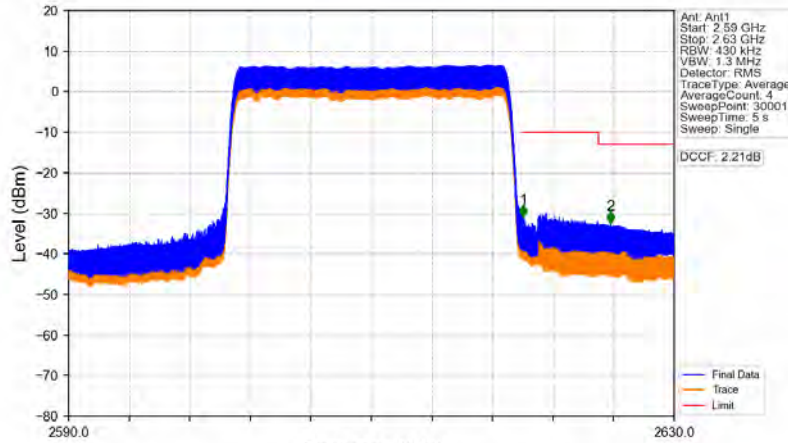
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.044	-31.01	-10	Pass
2621	2630	1	3.67	2	2625.804	-32.53	-13	Pass



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