

Appendix T KSCR220400050308

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2498.5	1	0	22.66	1.80	24.46	<=33.01	Pass		
			13	22.73	1.80	24.53	<=33.01	Pass		
			24	22.53	1.80	24.33	<=33.01	Pass		
		12	0	21.47	1.80	23.27	<=33.01	Pass		
			6	21.69	1.80	23.49	<=33.01	Pass		
			13	21.47	1.80	23.27	<=33.01	Pass		
		25	0	21.47	1.80	23.27	<=33.01	Pass		
		2593	1	0	22.70	1.80	24.50	<=33.01	Pass	
				13	22.72	1.80	24.52	<=33.01	Pass	
	24			22.51	1.80	24.31	<=33.01	Pass		
	12		0	21.91	1.80	23.71	<=33.01	Pass		
			6	21.93	1.80	23.73	<=33.01	Pass		
			13	21.69	1.80	23.49	<=33.01	Pass		
	25		0	21.85	1.80	23.65	<=33.01	Pass		
	2687.5		1	0	23.00	1.80	24.80	<=33.01	Pass	
				13	23.33	1.80	25.13	<=33.01	Pass	
		24		23.18	1.80	24.98	<=33.01	Pass		
		12	0	22.33	1.80	24.13	<=33.01	Pass		
			6	22.31	1.80	24.11	<=33.01	Pass		
			13	22.18	1.80	23.98	<=33.01	Pass		
		25	0	22.25	1.80	24.05	<=33.01	Pass		
		16QAM	2498.5	1	0	21.39	1.80	23.19	<=33.01	Pass
					13	21.58	1.80	23.38	<=33.01	Pass
	24				21.24	1.80	23.04	<=33.01	Pass	
12	0			20.79	1.80	22.59	<=33.01	Pass		
	6			20.73	1.80	22.53	<=33.01	Pass		
	13			20.72	1.80	22.52	<=33.01	Pass		
25	0			20.92	1.80	22.72	<=33.01	Pass		
2593	1			0	21.92	1.80	23.72	<=33.01	Pass	
				13	22.35	1.80	24.15	<=33.01	Pass	
			24	22.04	1.80	23.84	<=33.01	Pass		
	12		0	20.78	1.80	22.58	<=33.01	Pass		
			6	20.91	1.80	22.71	<=33.01	Pass		
			13	20.89	1.80	22.69	<=33.01	Pass		
25	0		20.85	1.80	22.65	<=33.01	Pass			
2687.5	1		0	21.97	1.80	23.77	<=33.01	Pass		
			13	22.10	1.80	23.90	<=33.01	Pass		
			24	21.87	1.80	23.67	<=33.01	Pass		

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		12	0	21.07	1.80	22.87	<=33.01	Pass	
			6	21.23	1.80	23.03	<=33.01	Pass	
			13	21.00	1.80	22.80	<=33.01	Pass	
		25	0	21.20	1.80	23.00	<=33.01	Pass	
64QAM	2498.5	1	0	20.90	1.80	22.70	<=33.01	Pass	
			13	20.65	1.80	22.45	<=33.01	Pass	
			24	20.91	1.80	22.71	<=33.01	Pass	
		12	0	19.36	1.80	21.16	<=33.01	Pass	
			6	19.55	1.80	21.35	<=33.01	Pass	
			13	19.44	1.80	21.24	<=33.01	Pass	
		25	0	19.48	1.80	21.28	<=33.01	Pass	
		2593	1	0	20.46	1.80	22.26	<=33.01	Pass
				13	21.20	1.80	23.00	<=33.01	Pass
	24			20.86	1.80	22.66	<=33.01	Pass	
	12		0	19.72	1.80	21.52	<=33.01	Pass	
			6	19.88	1.80	21.68	<=33.01	Pass	
			13	19.70	1.80	21.50	<=33.01	Pass	
	25		0	19.78	1.80	21.58	<=33.01	Pass	
	2687.5		1	0	20.49	1.80	22.29	<=33.01	Pass
				13	20.57	1.80	22.37	<=33.01	Pass
		24		20.37	1.80	22.17	<=33.01	Pass	
		12	0	19.99	1.80	21.79	<=33.01	Pass	
			6	20.05	1.80	21.85	<=33.01	Pass	
			13	20.01	1.80	21.81	<=33.01	Pass	
		25	0	20.23	1.80	22.03	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2501	1	0	22.76	1.80	24.56	<=33.01	Pass	
			25	22.85	1.80	24.65	<=33.01	Pass	
			49	22.77	1.80	24.57	<=33.01	Pass	
		25	0	21.77	1.80	23.57	<=33.01	Pass	
			13	21.85	1.80	23.65	<=33.01	Pass	
			25	21.81	1.80	23.61	<=33.01	Pass	
		50	0	21.83	1.80	23.63	<=33.01	Pass	
		2593	1	0	22.77	1.80	24.57	<=33.01	Pass
				25	22.95	1.80	24.75	<=33.01	Pass
	49			22.85	1.80	24.65	<=33.01	Pass	
	25		0	21.70	1.80	23.50	<=33.01	Pass	
			13	21.89	1.80	23.69	<=33.01	Pass	
			25	21.83	1.80	23.63	<=33.01	Pass	
	50	0	21.82	1.80	23.62	<=33.01	Pass		
	2685	1	0	23.22	1.80	25.02	<=33.01	Pass	



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16QAM	2501	25	25	23.31	1.80	25.11	<=33.01	Pass	
			49	23.12	1.80	24.92	<=33.01	Pass	
			0	22.28	1.80	24.08	<=33.01	Pass	
			13	22.48	1.80	24.28	<=33.01	Pass	
			25	22.28	1.80	24.08	<=33.01	Pass	
	2593	25	0	22.24	1.80	24.04	<=33.01	Pass	
			1	0	21.36	1.80	23.16	<=33.01	Pass
			25	25	21.97	1.80	23.77	<=33.01	Pass
			49	21.16	1.80	22.96	<=33.01	Pass	
			0	20.78	1.80	22.58	<=33.01	Pass	
	2685	25	13	20.62	1.80	22.42	<=33.01	Pass	
			25	20.75	1.80	22.55	<=33.01	Pass	
			0	20.97	1.80	22.77	<=33.01	Pass	
			1	0	22.17	1.80	23.97	<=33.01	Pass
			25	25	22.58	1.80	24.38	<=33.01	Pass
64QAM	2501	25	49	21.72	1.80	23.52	<=33.01	Pass	
			0	21.00	1.80	22.80	<=33.01	Pass	
			13	21.01	1.80	22.81	<=33.01	Pass	
			25	21.02	1.80	22.82	<=33.01	Pass	
			0	20.92	1.80	22.72	<=33.01	Pass	
	2593	25	0	22.89	1.80	24.69	<=33.01	Pass	
			1	0	22.29	1.80	24.09	<=33.01	Pass
			49	22.52	1.80	24.32	<=33.01	Pass	
			0	21.23	1.80	23.03	<=33.01	Pass	
			13	21.36	1.80	23.16	<=33.01	Pass	
	2685	25	25	21.35	1.80	23.15	<=33.01	Pass	
			0	21.22	1.80	23.02	<=33.01	Pass	
			1	0	21.67	1.80	23.47	<=33.01	Pass
			25	22.08	1.80	23.88	<=33.01	Pass	
			49	21.87	1.80	23.67	<=33.01	Pass	
64QAM	2501	25	0	19.50	1.80	21.30	<=33.01	Pass	
			13	19.60	1.80	21.40	<=33.01	Pass	
			25	19.51	1.80	21.31	<=33.01	Pass	
			0	19.41	1.80	21.21	<=33.01	Pass	
			1	0	20.49	1.80	22.29	<=33.01	Pass
	2593	25	25	20.29	1.80	22.09	<=33.01	Pass	
			49	21.07	1.80	22.87	<=33.01	Pass	
			0	19.61	1.80	21.41	<=33.01	Pass	
			13	19.62	1.80	21.42	<=33.01	Pass	
			25	19.84	1.80	21.64	<=33.01	Pass	
	2685	25	0	19.56	1.80	21.36	<=33.01	Pass	
			1	0	21.16	1.80	22.96	<=33.01	Pass
			25	20.98	1.80	22.78	<=33.01	Pass	
			49	20.66	1.80	22.46	<=33.01	Pass	
			0	20.06	1.80	21.86	<=33.01	Pass	
2685	25	13	20.24	1.80	22.04	<=33.01	Pass		
		25	20.12	1.80	21.92	<=33.01	Pass		
		0	20.00	1.80	21.80	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2503.5	1	0	22.79	1.80	24.59	<=33.01	Pass		
			38	22.84	1.80	24.64	<=33.01	Pass		
			74	22.65	1.80	24.45	<=33.01	Pass		
		36	0	21.68	1.80	23.48	<=33.01	Pass		
			18	21.61	1.80	23.41	<=33.01	Pass		
			39	21.63	1.80	23.43	<=33.01	Pass		
		75	0	21.46	1.80	23.26	<=33.01	Pass		
		2593	1	0	22.69	1.80	24.49	<=33.01	Pass	
				38	22.92	1.80	24.72	<=33.01	Pass	
	74			22.90	1.80	24.70	<=33.01	Pass		
	36		0	21.79	1.80	23.59	<=33.01	Pass		
			18	21.93	1.80	23.73	<=33.01	Pass		
			39	21.93	1.80	23.73	<=33.01	Pass		
	75		0	21.96	1.80	23.76	<=33.01	Pass		
	2682.5		1	0	22.89	1.80	24.69	<=33.01	Pass	
				38	22.99	1.80	24.79	<=33.01	Pass	
		74		22.87	1.80	24.67	<=33.01	Pass		
		36	0	22.17	1.80	23.97	<=33.01	Pass		
			18	22.33	1.80	24.13	<=33.01	Pass		
			39	22.20	1.80	24.00	<=33.01	Pass		
		75	0	22.28	1.80	24.08	<=33.01	Pass		
		16QAM	2503.5	1	0	21.12	1.80	22.92	<=33.01	Pass
					38	21.29	1.80	23.09	<=33.01	Pass
	74				21.09	1.80	22.89	<=33.01	Pass	
36	0			20.47	1.80	22.27	<=33.01	Pass		
	18			20.53	1.80	22.33	<=33.01	Pass		
	39			20.44	1.80	22.24	<=33.01	Pass		
75	0			20.24	1.80	22.04	<=33.01	Pass		
2593	1			0	22.04	1.80	23.84	<=33.01	Pass	
				38	22.31	1.80	24.11	<=33.01	Pass	
			74	22.09	1.80	23.89	<=33.01	Pass		
	36		0	21.03	1.80	22.83	<=33.01	Pass		
			18	20.84	1.80	22.64	<=33.01	Pass		
			39	20.85	1.80	22.65	<=33.01	Pass		
	75		0	20.93	1.80	22.73	<=33.01	Pass		
	2682.5		1	0	22.33	1.80	24.13	<=33.01	Pass	
				38	22.30	1.80	24.10	<=33.01	Pass	
74				22.04	1.80	23.84	<=33.01	Pass		
36			0	21.14	1.80	22.94	<=33.01	Pass		
			18	21.30	1.80	23.10	<=33.01	Pass		
			39	21.03	1.80	22.83	<=33.01	Pass		
75			0	21.29	1.80	23.09	<=33.01	Pass		
64QAM			2503.5	1	0	21.58	1.80	23.38	<=33.01	Pass



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	36	38	21.82	1.80	23.62	<=33.01	Pass	
		74	20.93	1.80	22.73	<=33.01	Pass	
		0	19.64	1.80	21.44	<=33.01	Pass	
		18	19.47	1.80	21.27	<=33.01	Pass	
		39	19.62	1.80	21.42	<=33.01	Pass	
		75	0	19.49	1.80	21.29	<=33.01	Pass
	2593	1	0	19.80	1.80	21.60	<=33.01	Pass
			38	20.14	1.80	21.94	<=33.01	Pass
			74	20.94	1.80	22.74	<=33.01	Pass
		36	0	19.72	1.80	21.52	<=33.01	Pass
			18	19.72	1.80	21.52	<=33.01	Pass
			39	19.70	1.80	21.50	<=33.01	Pass
	75	0	19.62	1.80	21.42	<=33.01	Pass	
	2682.5	1	0	21.16	1.80	22.96	<=33.01	Pass
			38	21.41	1.80	23.21	<=33.01	Pass
			74	21.33	1.80	23.13	<=33.01	Pass
		36	0	19.86	1.80	21.66	<=33.01	Pass
			18	19.90	1.80	21.70	<=33.01	Pass
			39	20.07	1.80	21.87	<=33.01	Pass
	75	0	19.94	1.80	21.74	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.68	1.80	24.48	<=33.01	Pass
			50	22.87	1.80	24.67	<=33.01	Pass
			99	22.48	1.80	24.28	<=33.01	Pass
		50	0	21.66	1.80	23.46	<=33.01	Pass
			25	21.78	1.80	23.58	<=33.01	Pass
			50	21.65	1.80	23.45	<=33.01	Pass
	100	0	21.71	1.80	23.51	<=33.01	Pass	
	2593	1	0	22.62	1.80	24.42	<=33.01	Pass
			50	22.73	1.80	24.53	<=33.01	Pass
			99	22.55	1.80	24.35	<=33.01	Pass
		50	0	21.74	1.80	23.54	<=33.01	Pass
			25	21.98	1.80	23.78	<=33.01	Pass
			50	21.82	1.80	23.62	<=33.01	Pass
	100	0	21.82	1.80	23.62	<=33.01	Pass	
	2680	1	0	23.10	1.80	24.90	<=33.01	Pass
			50	23.56	1.80	25.36	<=33.01	Pass
			99	23.25	1.80	25.05	<=33.01	Pass
		50	0	22.20	1.80	24.00	<=33.01	Pass
			25	22.20	1.80	24.00	<=33.01	Pass
			50	22.12	1.80	23.92	<=33.01	Pass

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		100	0	22.27	1.80	24.07	<=33.01	Pass	
16QAM	2506	1	0	22.05	1.80	23.85	<=33.01	Pass	
			50	22.79	1.80	24.59	<=33.01	Pass	
			99	21.94	1.80	23.74	<=33.01	Pass	
		50	0	20.74	1.80	22.54	<=33.01	Pass	
			25	20.97	1.80	22.77	<=33.01	Pass	
			50	20.73	1.80	22.53	<=33.01	Pass	
	100	0	20.60	1.80	22.40	<=33.01	Pass		
	2593	1	0	21.08	1.80	22.88	<=33.01	Pass	
			50	21.81	1.80	23.61	<=33.01	Pass	
			99	22.04	1.80	23.84	<=33.01	Pass	
		50	0	20.66	1.80	22.46	<=33.01	Pass	
			25	20.97	1.80	22.77	<=33.01	Pass	
			50	20.69	1.80	22.49	<=33.01	Pass	
	100	0	20.64	1.80	22.44	<=33.01	Pass		
	2680	1	0	22.47	1.80	24.27	<=33.01	Pass	
			50	22.93	1.80	24.73	<=33.01	Pass	
			99	22.74	1.80	24.54	<=33.01	Pass	
		50	0	21.32	1.80	23.12	<=33.01	Pass	
			25	21.27	1.80	23.07	<=33.01	Pass	
			50	20.96	1.80	22.76	<=33.01	Pass	
	100	0	21.18	1.80	22.98	<=33.01	Pass		
	64QAM	2506	1	0	20.15	1.80	21.95	<=33.01	Pass
				50	21.12	1.80	22.92	<=33.01	Pass
				99	20.19	1.80	21.99	<=33.01	Pass
50			0	19.55	1.80	21.35	<=33.01	Pass	
			25	19.77	1.80	21.57	<=33.01	Pass	
			50	19.65	1.80	21.45	<=33.01	Pass	
100		0	19.62	1.80	21.42	<=33.01	Pass		
2593		1	0	21.23	1.80	23.03	<=33.01	Pass	
			50	22.29	1.80	24.09	<=33.01	Pass	
			99	21.07	1.80	22.87	<=33.01	Pass	
		50	0	19.42	1.80	21.22	<=33.01	Pass	
			25	19.63	1.80	21.43	<=33.01	Pass	
			50	19.52	1.80	21.32	<=33.01	Pass	
100		0	19.62	1.80	21.42	<=33.01	Pass		
2680		1	0	20.33	1.80	22.13	<=33.01	Pass	
			50	21.26	1.80	23.06	<=33.01	Pass	
			99	21.12	1.80	22.92	<=33.01	Pass	
		50	0	19.86	1.80	21.66	<=33.01	Pass	
			25	19.86	1.80	21.66	<=33.01	Pass	
			50	19.53	1.80	21.33	<=33.01	Pass	
100		0	19.52	1.80	21.32	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2498.5	25	0	20	6.12	7.754	0.0031	-2.5 to 2.5	Pass	
					7.2	8.011	0.0032	-2.5 to 2.5	Pass	
					8.28	8.895	0.0036	-2.5 to 2.5	Pass	
				-30	7.2	4.510	0.0018	-2.5 to 2.5	Pass	
					-20	7.2	6.372	0.0026	-2.5 to 2.5	Pass
						7.2	7.755	0.0031	-2.5 to 2.5	Pass
				0	7.2	9.166	0.0037	-2.5 to 2.5	Pass	
					10	5.973	0.0024	-2.5 to 2.5	Pass	
				30	7.2	-1.004	-0.0004	-2.5 to 2.5	Pass	
				40	7.2	5.329	0.0021	-2.5 to 2.5	Pass	
				50	7.2	10.585	0.0042	-2.5 to 2.5	Pass	
				2593	25	0	20	6.12	4.102	0.0016
	7.2	-3.596	-0.0014					-2.5 to 2.5	Pass	
	8.28	8.684	0.0033					-2.5 to 2.5	Pass	
	-30	7.2	8.560				0.0033	-2.5 to 2.5	Pass	
		-20	7.2				6.772	0.0026	-2.5 to 2.5	Pass
			7.2				-0.600	-0.0002	-2.5 to 2.5	Pass
	0	7.2	16.800				0.0065	-2.5 to 2.5	Pass	
	10	7.2	15.057				0.0058	-2.5 to 2.5	Pass	
	30	7.2	11.728				0.0045	-2.5 to 2.5	Pass	
	40	7.2	1.817				0.0007	-2.5 to 2.5	Pass	
	50	7.2	7.219				0.0028	-2.5 to 2.5	Pass	
	2687.5	25	0				20	6.12	15.187	0.0057
				7.2	3.494	0.0013		-2.5 to 2.5	Pass	
				8.28	12.920	0.0048		-2.5 to 2.5	Pass	
				-30	7.2	5.358	0.0020	-2.5 to 2.5	Pass	
					-20	7.2	-0.799	-0.0003	-2.5 to 2.5	Pass
						7.2	2.513	0.0009	-2.5 to 2.5	Pass
				0	7.2	1.763	0.0007	-2.5 to 2.5	Pass	
				10	7.2	8.489	0.0032	-2.5 to 2.5	Pass	
30				7.2	12.602	0.0047	-2.5 to 2.5	Pass		
40				7.2	3.653	0.0014	-2.5 to 2.5	Pass		
50				7.2	7.953	0.0030	-2.5 to 2.5	Pass		
16QAM				2498.5	25	0	20	6.12	8.512	0.0034
	7.2	10.932	0.0044					-2.5 to 2.5	Pass	
	8.28	6.342	0.0025					-2.5 to 2.5	Pass	
	-30	7.2	-1.574				-0.0006	-2.5 to 2.5	Pass	
		-20	7.2				8.248	0.0033	-2.5 to 2.5	Pass
	-10	7.2	-5.324				-0.0021	-2.5 to 2.5	Pass	
	0	7.2	4.837				0.0019	-2.5 to 2.5	Pass	



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				10	7.2	4.792	0.0019	-2.5 to 2.5	Pass
				30	7.2	-7.721	-0.0031	-2.5 to 2.5	Pass
				40	7.2	-0.901	-0.0004	-2.5 to 2.5	Pass
				50	7.2	-4.468	-0.0018	-2.5 to 2.5	Pass
				2593	25	0	20	6.12	-4.797
	7.2	10.593	0.0041					-2.5 to 2.5	Pass
	8.28	12.074	0.0047					-2.5 to 2.5	Pass
	-30	7.2	9.874				0.0038	-2.5 to 2.5	Pass
	-20	7.2	13.560				0.0052	-2.5 to 2.5	Pass
	-10	7.2	-2.268				-0.0009	-2.5 to 2.5	Pass
	0	7.2	8.248				0.0032	-2.5 to 2.5	Pass
	10	7.2	2.758				0.0011	-2.5 to 2.5	Pass
	30	7.2	7.264				0.0028	-2.5 to 2.5	Pass
	40	7.2	13.689				0.0053	-2.5 to 2.5	Pass
	50	7.2	5.926	0.0023	-2.5 to 2.5	Pass			
	2687.5	25	0	20	6.12	-3.537	-0.0013	-2.5 to 2.5	Pass
					7.2	-2.724	-0.0010	-2.5 to 2.5	Pass
					8.28	-3.703	-0.0014	-2.5 to 2.5	Pass
				-30	7.2	-1.165	-0.0004	-2.5 to 2.5	Pass
				-20	7.2	-2.817	-0.0010	-2.5 to 2.5	Pass
				-10	7.2	-2.865	-0.0011	-2.5 to 2.5	Pass
				0	7.2	0.619	0.0002	-2.5 to 2.5	Pass
				10	7.2	-4.255	-0.0016	-2.5 to 2.5	Pass
				30	7.2	4.597	0.0017	-2.5 to 2.5	Pass
				40	7.2	13.937	0.0052	-2.5 to 2.5	Pass
50	7.2	13.835	0.0051	-2.5 to 2.5	Pass				
64QAM	2498.5	25	0	20	6.12	8.651	0.0035	-2.5 to 2.5	Pass
					7.2	4.683	0.0019	-2.5 to 2.5	Pass
					8.28	18.801	0.0075	-2.5 to 2.5	Pass
				-30	7.2	13.532	0.0054	-2.5 to 2.5	Pass
				-20	7.2	10.408	0.0042	-2.5 to 2.5	Pass
				-10	7.2	-5.226	-0.0021	-2.5 to 2.5	Pass
				0	7.2	-4.429	-0.0018	-2.5 to 2.5	Pass
				10	7.2	7.556	0.0030	-2.5 to 2.5	Pass
				30	7.2	11.625	0.0047	-2.5 to 2.5	Pass
				40	7.2	13.448	0.0054	-2.5 to 2.5	Pass
	50	7.2	5.211	0.0021	-2.5 to 2.5	Pass			
	2593	25	0	20	6.12	5.217	0.0020	-2.5 to 2.5	Pass
					7.2	15.627	0.0060	-2.5 to 2.5	Pass
					8.28	-5.867	-0.0023	-2.5 to 2.5	Pass
				-30	7.2	9.577	0.0037	-2.5 to 2.5	Pass
				-20	7.2	18.053	0.0070	-2.5 to 2.5	Pass
				-10	7.2	9.023	0.0035	-2.5 to 2.5	Pass
				0	7.2	0.447	0.0002	-2.5 to 2.5	Pass
				10	7.2	13.942	0.0054	-2.5 to 2.5	Pass
				30	7.2	13.376	0.0052	-2.5 to 2.5	Pass
				40	7.2	14.969	0.0058	-2.5 to 2.5	Pass
	50	7.2	17.102	0.0066	-2.5 to 2.5	Pass			
	2687.5	25	0	20	6.12	7.861	0.0029	-2.5 to 2.5	Pass
					7.2	10.864	0.0040	-2.5 to 2.5	Pass
					8.28	-5.845	-0.0022	-2.5 to 2.5	Pass



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				-30	7.2	5.454	0.0020	-2.5 to 2.5	Pass
				-20	7.2	4.152	0.0015	-2.5 to 2.5	Pass
				-10	7.2	5.178	0.0019	-2.5 to 2.5	Pass
				0	7.2	-1.885	-0.0007	-2.5 to 2.5	Pass
				10	7.2	15.087	0.0056	-2.5 to 2.5	Pass
				30	7.2	9.424	0.0035	-2.5 to 2.5	Pass
				40	7.2	16.028	0.0060	-2.5 to 2.5	Pass
				50	7.2	-2.414	-0.0009	-2.5 to 2.5	Pass

2.2 B41_10MHz

2.2.1 Test Result

Band: 41 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2501	50	0	20	6.12	2.773	0.0011	-2.5 to 2.5	Pass	
					7.2	8.375	0.0033	-2.5 to 2.5	Pass	
					8.28	1.843	0.0007	-2.5 to 2.5	Pass	
				-30	7.2	6.218	0.0025	-2.5 to 2.5	Pass	
					-20	7.2	6.921	0.0028	-2.5 to 2.5	Pass
						7.2	2.830	0.0011	-2.5 to 2.5	Pass
				0	7.2	5.602	0.0022	-2.5 to 2.5	Pass	
					10	7.2	5.361	0.0021	-2.5 to 2.5	Pass
				30	7.2	19.676	0.0079	-2.5 to 2.5	Pass	
	40	7.2	5.079		0.0020	-2.5 to 2.5	Pass			
	50	7.2	-5.018	-0.0020	-2.5 to 2.5	Pass				
	2593	50	0	20	6.12	-13.442	-0.0052	-2.5 to 2.5	Pass	
					7.2	-7.863	-0.0030	-2.5 to 2.5	Pass	
					8.28	4.269	0.0016	-2.5 to 2.5	Pass	
				-30	7.2	16.065	0.0062	-2.5 to 2.5	Pass	
					-20	7.2	10.635	0.0041	-2.5 to 2.5	Pass
						7.2	-0.781	-0.0003	-2.5 to 2.5	Pass
				0	7.2	-7.195	-0.0028	-2.5 to 2.5	Pass	
					10	7.2	-10.928	-0.0042	-2.5 to 2.5	Pass
				30	7.2	-0.014	0.0000	-2.5 to 2.5	Pass	
	40	7.2	8.484		0.0033	-2.5 to 2.5	Pass			
	50	7.2	-5.063	-0.0020	-2.5 to 2.5	Pass				
	2685	50	0	20	6.12	-0.544	-0.0002	-2.5 to 2.5	Pass	
					7.2	-6.095	-0.0023	-2.5 to 2.5	Pass	
					8.28	5.174	0.0019	-2.5 to 2.5	Pass	
				-30	7.2	5.675	0.0021	-2.5 to 2.5	Pass	
					-20	7.2	-8.796	-0.0033	-2.5 to 2.5	Pass
7.2						-10.160	-0.0038	-2.5 to 2.5	Pass	
0				7.2	-4.071	-0.0015	-2.5 to 2.5	Pass		
				10	7.2	4.841	0.0018	-2.5 to 2.5	Pass	
30				7.2	2.329	0.0009	-2.5 to 2.5	Pass		
	40	7.2	-13.881	-0.0052	-2.5 to 2.5	Pass				
50	7.2	13.294	0.0050	-2.5 to 2.5	Pass					

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16QAM	2501	50	0	20	6.12	7.177	0.0029	-2.5 to 2.5	Pass								
					7.2	2.805	0.0011	-2.5 to 2.5	Pass								
					8.28	6.200	0.0025	-2.5 to 2.5	Pass								
				2593	50	0	-30	7.2	13.199	0.0053	-2.5 to 2.5	Pass					
								-20	7.2	16.830	0.0067	-2.5 to 2.5	Pass				
								-10	7.2	18.476	0.0074	-2.5 to 2.5	Pass				
							2685	50	0	0	7.2	6.929	0.0028	-2.5 to 2.5	Pass		
											10	7.2	12.904	0.0052	-2.5 to 2.5	Pass	
											30	7.2	11.655	0.0047	-2.5 to 2.5	Pass	
	2501	50	0							40	7.2	11.519	0.0046	-2.5 to 2.5	Pass		
											50	7.2	17.412	0.0070	-2.5 to 2.5	Pass	
											20	6.12	-9.016	-0.0035	-2.5 to 2.5	Pass	
				7.2	16.483	0.0064				-2.5 to 2.5		Pass					
				8.28	23.996	0.0093				-2.5 to 2.5		Pass					
				2593	50	0				-30	7.2	37.374	0.0144	-2.5 to 2.5	Pass		
							-20	7.2	-3.183		-0.0012	-2.5 to 2.5	Pass				
							-10	7.2	8.588		0.0033	-2.5 to 2.5	Pass				
							64QAM	2501	50	0	0	7.2	24.952	0.0096	-2.5 to 2.5	Pass	
	10	7.2	15.387									0.0059	-2.5 to 2.5	Pass			
	30	7.2	16.840									0.0065	-2.5 to 2.5	Pass			
	2593	50	0								40	7.2	-2.859	-0.0011	-2.5 to 2.5	Pass	
												50	7.2	12.272	0.0047	-2.5 to 2.5	Pass
												20	6.12	-1.931	-0.0007	-2.5 to 2.5	Pass
				7.2	-0.044	0.0000					-2.5 to 2.5		Pass				
				8.28	-7.050	-0.0026					-2.5 to 2.5		Pass				
				2501	50	0					-30	7.2	-0.302	-0.0001	-2.5 to 2.5	Pass	
							-20	7.2	11.885	0.0044		-2.5 to 2.5	Pass				
-10							7.2	3.654	0.0014	-2.5 to 2.5		Pass					
2593							50	0	0	7.2	-4.132	-0.0015	-2.5 to 2.5	Pass			
	10	7.2	9.724							0.0036	-2.5 to 2.5	Pass					
	30	7.2	-17.180							-0.0064	-2.5 to 2.5	Pass					
	2501	50	0						40	7.2	-15.436	-0.0057	-2.5 to 2.5	Pass			
										50	7.2	-8.749	-0.0033	-2.5 to 2.5	Pass		
										20	6.12	-7.918	-0.0032	-2.5 to 2.5	Pass		
				7.2	4.755	0.0019			-2.5 to 2.5		Pass						
				8.28	7.113	0.0028			-2.5 to 2.5		Pass						
				2593	50	0			-30	7.2	3.075	0.0012	-2.5 to 2.5	Pass			
-20							7.2	-0.507		-0.0002	-2.5 to 2.5	Pass					
-10							7.2	2.620		0.0010	-2.5 to 2.5	Pass					
2501							50	0	0	7.2	17.117	0.0068	-2.5 to 2.5	Pass			
	10	7.2	2.859							0.0011	-2.5 to 2.5	Pass					
	30	7.2	7.972							0.0032	-2.5 to 2.5	Pass					
	2593	50	0						40	7.2	13.210	0.0053	-2.5 to 2.5	Pass			
										50	7.2	-6.748	-0.0027	-2.5 to 2.5	Pass		
										20	6.12	3.821	0.0015	-2.5 to 2.5	Pass		
				7.2	6.976	0.0027			-2.5 to 2.5		Pass						
				8.28	15.502	0.0060			-2.5 to 2.5		Pass						
				2501	50	0			-30	7.2	13.984	0.0054	-2.5 to 2.5	Pass			
-20							7.2	13.957		0.0054	-2.5 to 2.5	Pass					
-10							7.2	-4.939		-0.0019	-2.5 to 2.5	Pass					
2593							50	0	0	7.2	11.988	0.0046	-2.5 to 2.5	Pass			

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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

			0	10	7.2	3.206	0.0012	-2.5 to 2.5	Pass
				30	7.2	10.434	0.0040	-2.5 to 2.5	Pass
				40	7.2	15.932	0.0061	-2.5 to 2.5	Pass
				50	7.2	10.235	0.0039	-2.5 to 2.5	Pass
	2685	50	0	20	6.12	-8.510	-0.0032	-2.5 to 2.5	Pass
					7.2	15.699	0.0058	-2.5 to 2.5	Pass
					8.28	-5.923	-0.0022	-2.5 to 2.5	Pass
				-30	7.2	-7.258	-0.0027	-2.5 to 2.5	Pass
				-20	7.2	2.064	0.0008	-2.5 to 2.5	Pass
				-10	7.2	-0.021	0.0000	-2.5 to 2.5	Pass
				0	7.2	2.837	0.0011	-2.5 to 2.5	Pass
				10	7.2	-6.679	-0.0025	-2.5 to 2.5	Pass
				30	7.2	14.142	0.0053	-2.5 to 2.5	Pass
				40	7.2	-8.211	-0.0031	-2.5 to 2.5	Pass
50	7.2	3.638	0.0014	-2.5 to 2.5	Pass				

2.3 B41_15MHz

2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	6.12	4.078	0.0016	-2.5 to 2.5	Pass
					7.2	16.158	0.0065	-2.5 to 2.5	Pass
					8.28	6.751	0.0027	-2.5 to 2.5	Pass
				-30	7.2	-8.803	-0.0035	-2.5 to 2.5	Pass
				-20	7.2	18.211	0.0073	-2.5 to 2.5	Pass
				-10	7.2	13.472	0.0054	-2.5 to 2.5	Pass
				0	7.2	16.876	0.0067	-2.5 to 2.5	Pass
				10	7.2	16.189	0.0065	-2.5 to 2.5	Pass
				30	7.2	17.619	0.0070	-2.5 to 2.5	Pass
				40	7.2	14.562	0.0058	-2.5 to 2.5	Pass
	50	7.2	-2.677	-0.0011	-2.5 to 2.5	Pass			
	2593	75	0	20	6.12	22.351	0.0086	-2.5 to 2.5	Pass
					7.2	5.024	0.0019	-2.5 to 2.5	Pass
					8.28	-6.406	-0.0025	-2.5 to 2.5	Pass
				-30	7.2	9.540	0.0037	-2.5 to 2.5	Pass
				-20	7.2	6.285	0.0024	-2.5 to 2.5	Pass
				-10	7.2	7.771	0.0030	-2.5 to 2.5	Pass
				0	7.2	5.366	0.0021	-2.5 to 2.5	Pass
				10	7.2	19.071	0.0074	-2.5 to 2.5	Pass
				30	7.2	15.128	0.0058	-2.5 to 2.5	Pass
				40	7.2	12.905	0.0050	-2.5 to 2.5	Pass
	50	7.2	25.387	0.0098	-2.5 to 2.5	Pass			
	2682.5	75	0	20	6.12	11.656	0.0043	-2.5 to 2.5	Pass
					7.2	4.413	0.0016	-2.5 to 2.5	Pass
8.28					8.782	0.0033	-2.5 to 2.5	Pass	
-30				7.2	13.332	0.0050	-2.5 to 2.5	Pass	

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				-20	7.2	20.975	0.0078	-2.5 to 2.5	Pass
				-10	7.2	16.454	0.0061	-2.5 to 2.5	Pass
				0	7.2	21.696	0.0081	-2.5 to 2.5	Pass
				10	7.2	18.900	0.0070	-2.5 to 2.5	Pass
				30	7.2	-1.906	-0.0007	-2.5 to 2.5	Pass
				40	7.2	-2.376	-0.0009	-2.5 to 2.5	Pass
				50	7.2	1.237	0.0005	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	6.12	18.450	0.0074	-2.5 to 2.5	Pass
					7.2	1.091	0.0004	-2.5 to 2.5	Pass
					8.28	-14.719	-0.0059	-2.5 to 2.5	Pass
				-30	7.2	-5.639	-0.0023	-2.5 to 2.5	Pass
				-20	7.2	2.342	0.0009	-2.5 to 2.5	Pass
				-10	7.2	11.070	0.0044	-2.5 to 2.5	Pass
				0	7.2	20.517	0.0082	-2.5 to 2.5	Pass
				10	7.2	11.188	0.0045	-2.5 to 2.5	Pass
				30	7.2	-6.734	-0.0027	-2.5 to 2.5	Pass
				40	7.2	-7.009	-0.0028	-2.5 to 2.5	Pass
				50	7.2	23.371	0.0093	-2.5 to 2.5	Pass
				2593	75	0	20	6.12	18.910
	7.2	19.186	0.0074					-2.5 to 2.5	Pass
	8.28	33.081	0.0128					-2.5 to 2.5	Pass
	-30	7.2	-12.799				-0.0049	-2.5 to 2.5	Pass
	-20	7.2	1.468				0.0006	-2.5 to 2.5	Pass
	-10	7.2	10.884				0.0042	-2.5 to 2.5	Pass
	0	7.2	13.488				0.0052	-2.5 to 2.5	Pass
	10	7.2	-1.738				-0.0007	-2.5 to 2.5	Pass
	30	7.2	-11.522				-0.0044	-2.5 to 2.5	Pass
	40	7.2	7.549				0.0029	-2.5 to 2.5	Pass
	50	7.2	16.254				0.0063	-2.5 to 2.5	Pass
	2682.5	75	0				20	6.12	10.686
				7.2	0.157	0.0001		-2.5 to 2.5	Pass
8.28				13.332	0.0050	-2.5 to 2.5		Pass	
-30				7.2	11.216	0.0042	-2.5 to 2.5	Pass	
-20				7.2	9.400	0.0035	-2.5 to 2.5	Pass	
-10				7.2	-7.065	-0.0026	-2.5 to 2.5	Pass	
0				7.2	27.266	0.0102	-2.5 to 2.5	Pass	
10				7.2	11.227	0.0042	-2.5 to 2.5	Pass	
30				7.2	33.305	0.0124	-2.5 to 2.5	Pass	
40				7.2	8.355	0.0031	-2.5 to 2.5	Pass	
50				7.2	-1.663	-0.0006	-2.5 to 2.5	Pass	
64QAM				2503.5	75	0	20	6.12	2.212
	7.2	-4.656	-0.0019					-2.5 to 2.5	Pass
	8.28	5.533	0.0022					-2.5 to 2.5	Pass
	-30	7.2	-4.976				-0.0020	-2.5 to 2.5	Pass
	-20	7.2	10.141				0.0041	-2.5 to 2.5	Pass
	-10	7.2	2.903				0.0012	-2.5 to 2.5	Pass
	0	7.2	-11.729				-0.0047	-2.5 to 2.5	Pass
	10	7.2	8.478				0.0034	-2.5 to 2.5	Pass
	30	7.2	7.297				0.0029	-2.5 to 2.5	Pass
	40	7.2	16.170				0.0065	-2.5 to 2.5	Pass
	50	7.2	7.177				0.0029	-2.5 to 2.5	Pass



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	2593	75	0	20	6.12	17.630	0.0068	-2.5 to 2.5	Pass	
					7.2	16.728	0.0065	-2.5 to 2.5	Pass	
					8.28	18.019	0.0069	-2.5 to 2.5	Pass	
				-30	7.2	10.794	0.0042	-2.5 to 2.5	Pass	
					-20	7.2	2.680	0.0010	-2.5 to 2.5	Pass
						-10	7.2	-1.380	-0.0005	-2.5 to 2.5
				0	7.2	5.520	0.0021	-2.5 to 2.5	Pass	
					10	7.2	15.325	0.0059	-2.5 to 2.5	Pass
					30	7.2	15.265	0.0059	-2.5 to 2.5	Pass
	40	7.2	-0.827		-0.0003	-2.5 to 2.5	Pass			
	50	7.2	-11.524		-0.0044	-2.5 to 2.5	Pass			
	2682.5	75	0		20	6.12	1.293	0.0005	-2.5 to 2.5	Pass
				7.2		-12.572	-0.0047	-2.5 to 2.5	Pass	
				8.28		-3.720	-0.0014	-2.5 to 2.5	Pass	
				-30	7.2	21.481	0.0080	-2.5 to 2.5	Pass	
					-20	7.2	1.789	0.0007	-2.5 to 2.5	Pass
						-10	7.2	1.696	0.0006	-2.5 to 2.5
				0	7.2	6.413	0.0024	-2.5 to 2.5	Pass	
10					7.2	15.140	0.0056	-2.5 to 2.5	Pass	
30					7.2	19.986	0.0075	-2.5 to 2.5	Pass	
40					7.2	18.332	0.0068	-2.5 to 2.5	Pass	
50	7.2	-1.839	-0.0007		-2.5 to 2.5	Pass				

2.4 B41_20MHz

2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2506	100	0	20	6.12	-2.153	-0.0009	-2.5 to 2.5	Pass	
					7.2	3.708	0.0015	-2.5 to 2.5	Pass	
					8.28	6.620	0.0026	-2.5 to 2.5	Pass	
				-30	7.2	6.938	0.0028	-2.5 to 2.5	Pass	
					-20	7.2	5.620	0.0022	-2.5 to 2.5	Pass
						-10	7.2	11.384	0.0045	-2.5 to 2.5
				0	7.2	-4.895	-0.0020	-2.5 to 2.5	Pass	
					10	7.2	9.726	0.0039	-2.5 to 2.5	Pass
					30	7.2	1.244	0.0005	-2.5 to 2.5	Pass
	40	7.2	11.129		0.0044	-2.5 to 2.5	Pass			
	50	7.2	3.026		0.0012	-2.5 to 2.5	Pass			
	2593	100	0		20	6.12	0.595	0.0002	-2.5 to 2.5	Pass
				7.2		3.319	0.0013	-2.5 to 2.5	Pass	
				8.28		5.071	0.0020	-2.5 to 2.5	Pass	
				-30	7.2	6.971	0.0027	-2.5 to 2.5	Pass	
					-20	7.2	2.818	0.0011	-2.5 to 2.5	Pass
						-10	7.2	-2.120	-0.0008	-2.5 to 2.5
				0	7.2	2.367	0.0009	-2.5 to 2.5	Pass	
10					7.2	-4.206	-0.0016	-2.5 to 2.5	Pass	



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	2680	100	0	30	7.2	0.163	0.0001	-2.5 to 2.5	Pass
				40	7.2	6.218	0.0024	-2.5 to 2.5	Pass
				50	7.2	7.400	0.0029	-2.5 to 2.5	Pass
				20	6.12	-0.224	-0.0001	-2.5 to 2.5	Pass
					7.2	6.390	0.0024	-2.5 to 2.5	Pass
					8.28	7.152	0.0027	-2.5 to 2.5	Pass
				-30	7.2	8.950	0.0033	-2.5 to 2.5	Pass
				-20	7.2	7.221	0.0027	-2.5 to 2.5	Pass
				-10	7.2	6.449	0.0024	-2.5 to 2.5	Pass
				0	7.2	8.404	0.0031	-2.5 to 2.5	Pass
				10	7.2	2.116	0.0008	-2.5 to 2.5	Pass
				30	7.2	1.502	0.0006	-2.5 to 2.5	Pass
				40	7.2	7.045	0.0026	-2.5 to 2.5	Pass
50	7.2	3.834	0.0014	-2.5 to 2.5	Pass				
16QAM	2506	100	0	20	6.12	-3.939	-0.0016	-2.5 to 2.5	Pass
					7.2	8.653	0.0035	-2.5 to 2.5	Pass
					8.28	6.065	0.0024	-2.5 to 2.5	Pass
				-30	7.2	1.402	0.0006	-2.5 to 2.5	Pass
				-20	7.2	-2.381	-0.0010	-2.5 to 2.5	Pass
				-10	7.2	2.656	0.0011	-2.5 to 2.5	Pass
				0	7.2	3.470	0.0014	-2.5 to 2.5	Pass
				10	7.2	2.973	0.0012	-2.5 to 2.5	Pass
				30	7.2	-3.348	-0.0013	-2.5 to 2.5	Pass
				40	7.2	17.388	0.0069	-2.5 to 2.5	Pass
				50	7.2	9.169	0.0037	-2.5 to 2.5	Pass
				2593	100	0	20	6.12	10.074
	7.2	0.165	0.0001					-2.5 to 2.5	Pass
	8.28	1.052	0.0004					-2.5 to 2.5	Pass
	-30	7.2	-1.546				-0.0006	-2.5 to 2.5	Pass
	-20	7.2	0.253				0.0001	-2.5 to 2.5	Pass
	-10	7.2	11.818				0.0046	-2.5 to 2.5	Pass
	0	7.2	4.174				0.0016	-2.5 to 2.5	Pass
	10	7.2	-2.072				-0.0008	-2.5 to 2.5	Pass
	30	7.2	12.694				0.0049	-2.5 to 2.5	Pass
	40	7.2	9.112				0.0035	-2.5 to 2.5	Pass
	50	7.2	-3.938				-0.0015	-2.5 to 2.5	Pass
	2680	100	0				20	6.12	-6.917
				7.2	-11.461	-0.0043		-2.5 to 2.5	Pass
8.28				-5.626	-0.0021	-2.5 to 2.5		Pass	
-30				7.2	-0.676	-0.0003	-2.5 to 2.5	Pass	
-20				7.2	1.358	0.0005	-2.5 to 2.5	Pass	
-10				7.2	16.798	0.0063	-2.5 to 2.5	Pass	
0				7.2	6.943	0.0026	-2.5 to 2.5	Pass	
10				7.2	2.037	0.0008	-2.5 to 2.5	Pass	
30				7.2	7.351	0.0027	-2.5 to 2.5	Pass	
40				7.2	2.960	0.0011	-2.5 to 2.5	Pass	
50				7.2	0.720	0.0003	-2.5 to 2.5	Pass	
64QAM				2506	100	0	20	6.12	1.213
	7.2	4.959	0.0020					-2.5 to 2.5	Pass
	8.28	6.663	0.0027					-2.5 to 2.5	Pass
	-30	7.2	12.220				0.0049	-2.5 to 2.5	Pass



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	2593	100	0	-20	7.2	3.183	0.0013	-2.5 to 2.5	Pass
				-10	7.2	13.383	0.0053	-2.5 to 2.5	Pass
				0	7.2	16.526	0.0066	-2.5 to 2.5	Pass
				10	7.2	5.059	0.0020	-2.5 to 2.5	Pass
				30	7.2	2.620	0.0010	-2.5 to 2.5	Pass
				40	7.2	2.184	0.0009	-2.5 to 2.5	Pass
				50	7.2	5.899	0.0024	-2.5 to 2.5	Pass
				20	6.12	-3.048	-0.0012	-2.5 to 2.5	Pass
					7.2	12.260	0.0047	-2.5 to 2.5	Pass
					8.28	12.360	0.0048	-2.5 to 2.5	Pass
				-30	7.2	-4.674	-0.0018	-2.5 to 2.5	Pass
				-20	7.2	2.219	0.0009	-2.5 to 2.5	Pass
	-10	7.2	-1.019	-0.0004	-2.5 to 2.5	Pass			
	0	7.2	10.589	0.0041	-2.5 to 2.5	Pass			
	10	7.2	3.044	0.0012	-2.5 to 2.5	Pass			
	30	7.2	3.827	0.0015	-2.5 to 2.5	Pass			
	40	7.2	10.752	0.0041	-2.5 to 2.5	Pass			
	50	7.2	0.045	0.0000	-2.5 to 2.5	Pass			
	2680	100	0	20	6.12	7.717	0.0029	-2.5 to 2.5	Pass
					7.2	10.960	0.0041	-2.5 to 2.5	Pass
					8.28	10.519	0.0039	-2.5 to 2.5	Pass
				-30	7.2	0.642	0.0002	-2.5 to 2.5	Pass
				-20	7.2	5.374	0.0020	-2.5 to 2.5	Pass
				-10	7.2	9.093	0.0034	-2.5 to 2.5	Pass
0				7.2	6.654	0.0025	-2.5 to 2.5	Pass	
10				7.2	13.814	0.0052	-2.5 to 2.5	Pass	
30				7.2	12.643	0.0047	-2.5 to 2.5	Pass	
40				7.2	-4.655	-0.0017	-2.5 to 2.5	Pass	
50				7.2	-5.768	-0.0022	-2.5 to 2.5	Pass	

3. Modulation Characteristics

3.1 B41_5MHz

3.1.1 Test Result

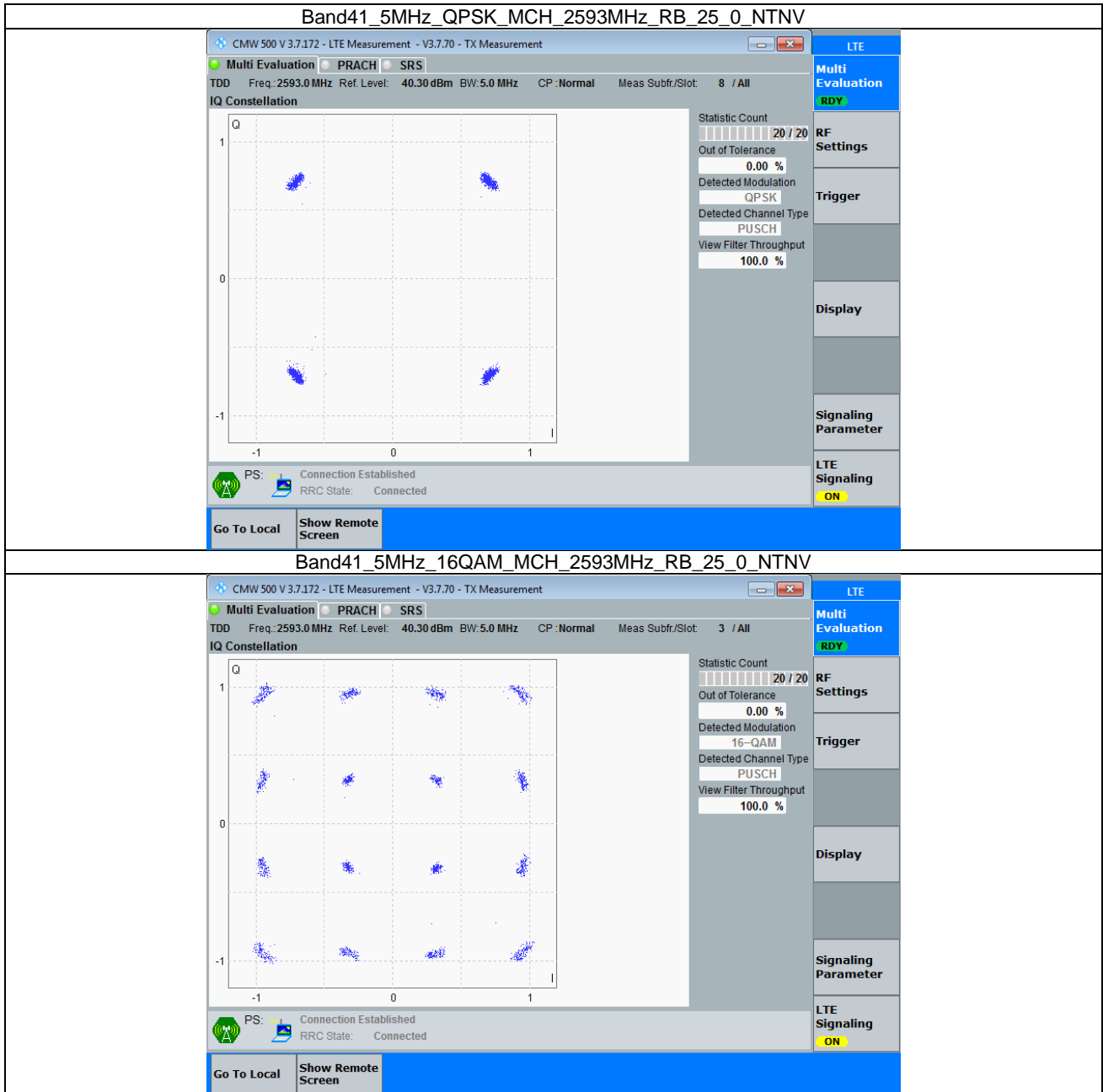
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass
64QAM	2593	25	0	Refer To Test Graph		Pass



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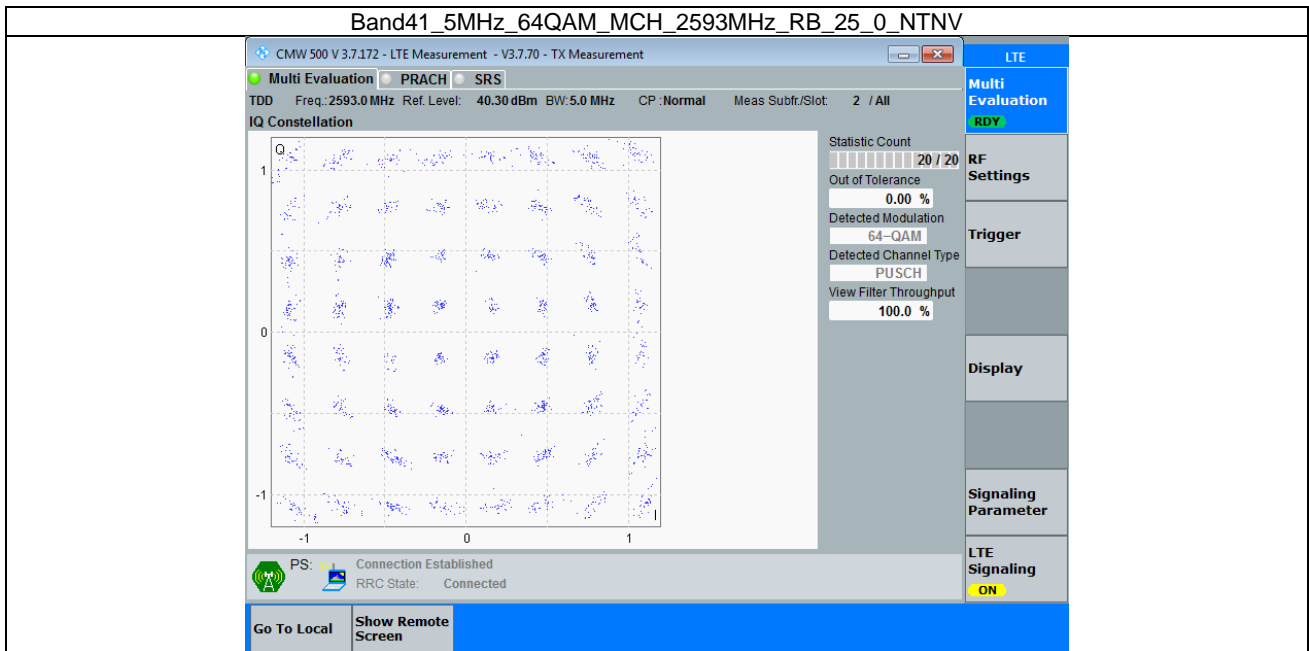
3.1.2 Test Graph



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3.2 B41_10MHz

3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass
64QAM	2593	50	0	Refer To Test Graph		Pass



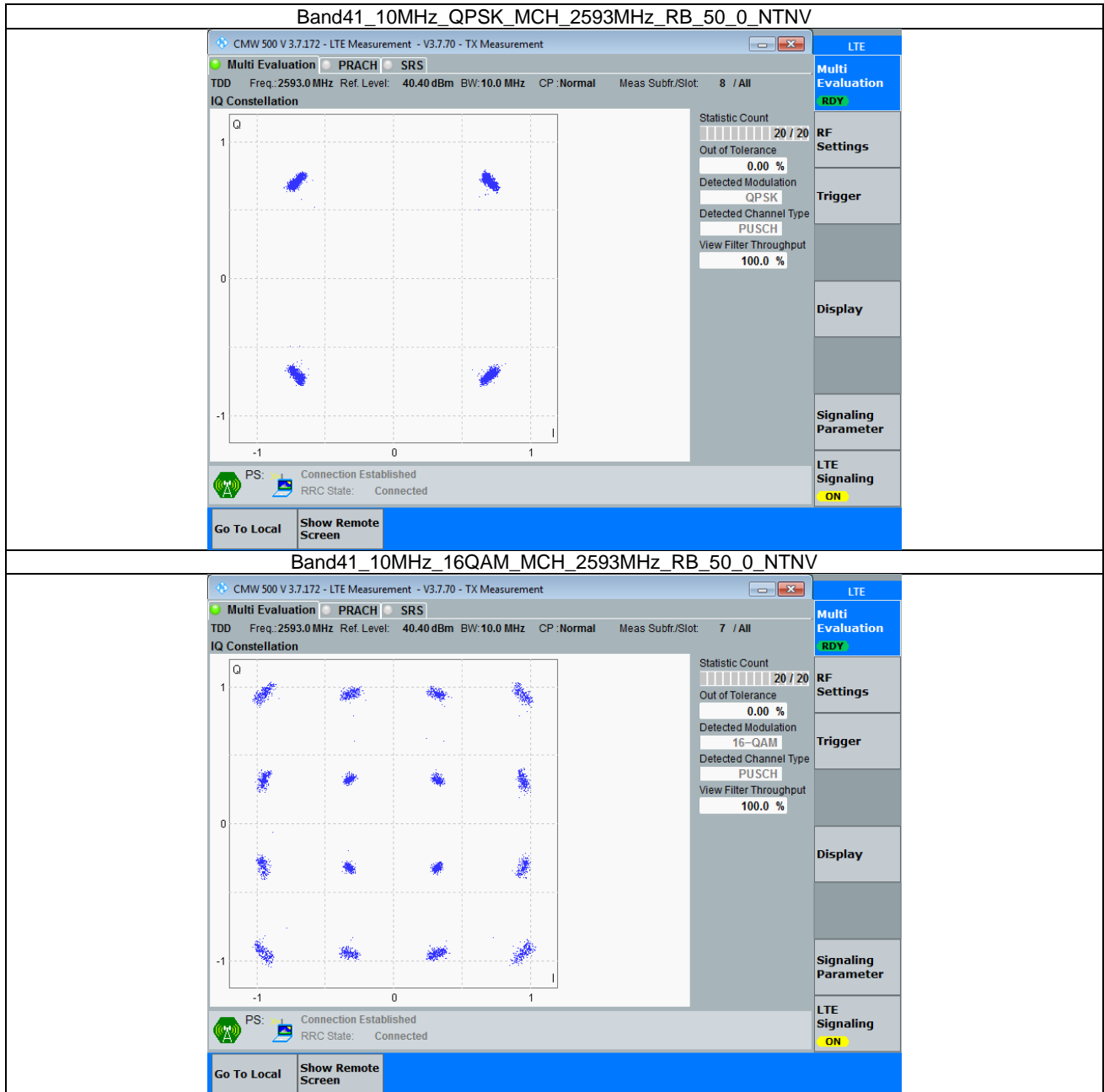
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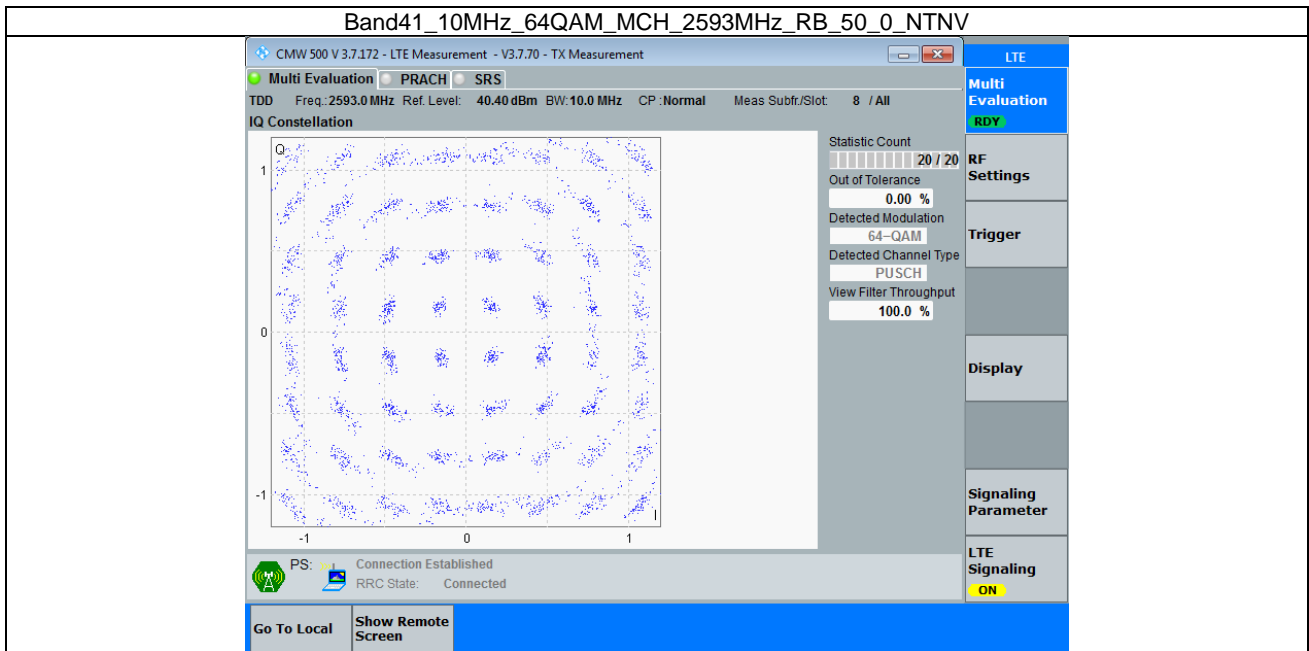
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3.2.2 Test Graph



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3.3 B41_15MHz

3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass
64QAM	2593	75	0	Refer To Test Graph		Pass



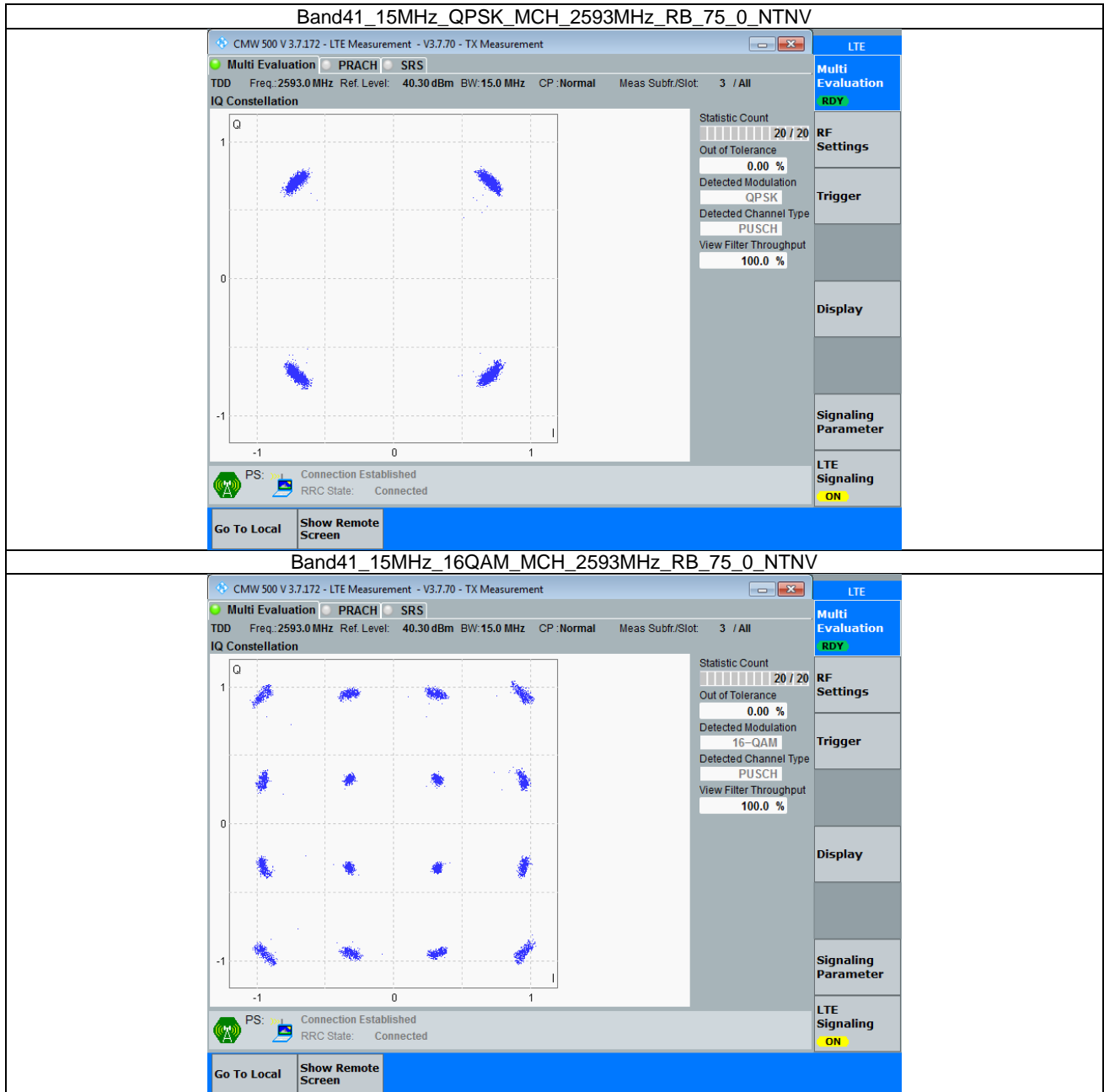
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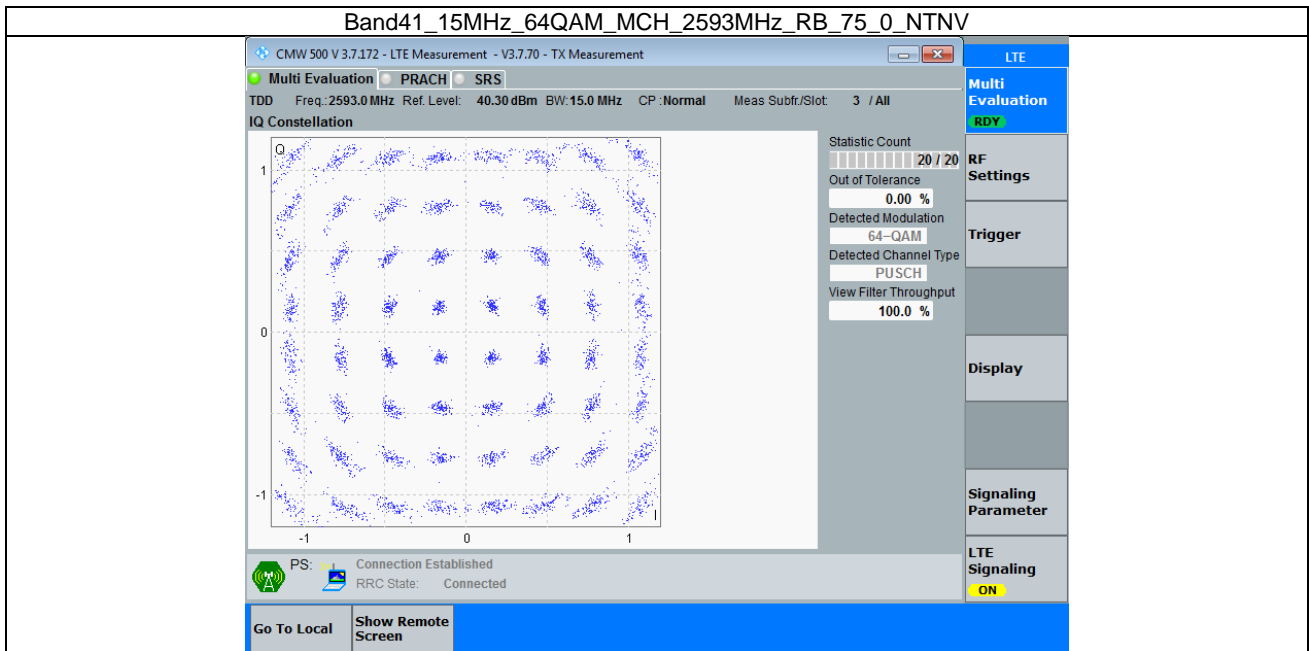
3.3.2 Test Graph



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3.4 B41_20MHz

3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass
64QAM	2593	100	0	Refer To Test Graph		Pass



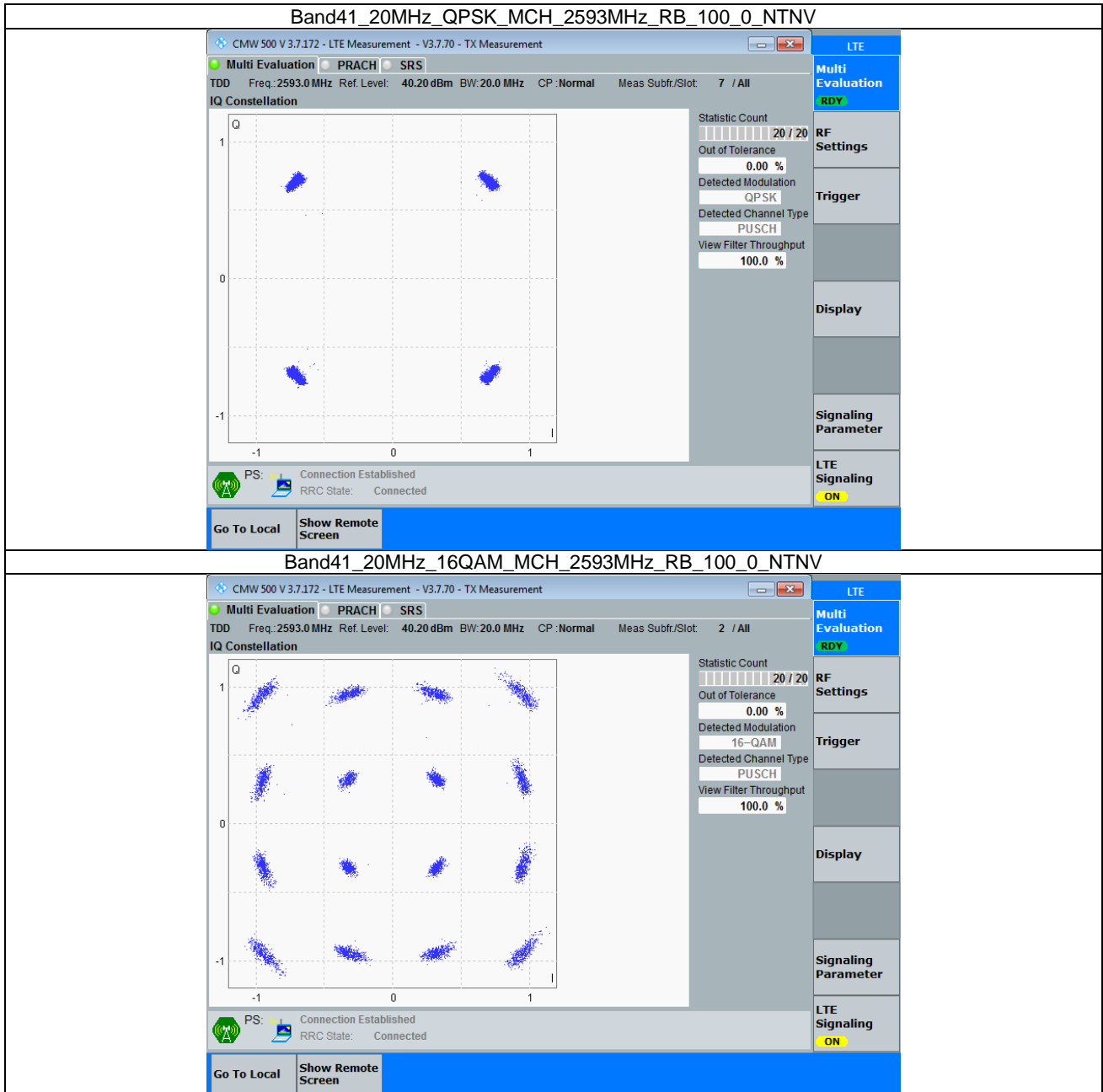
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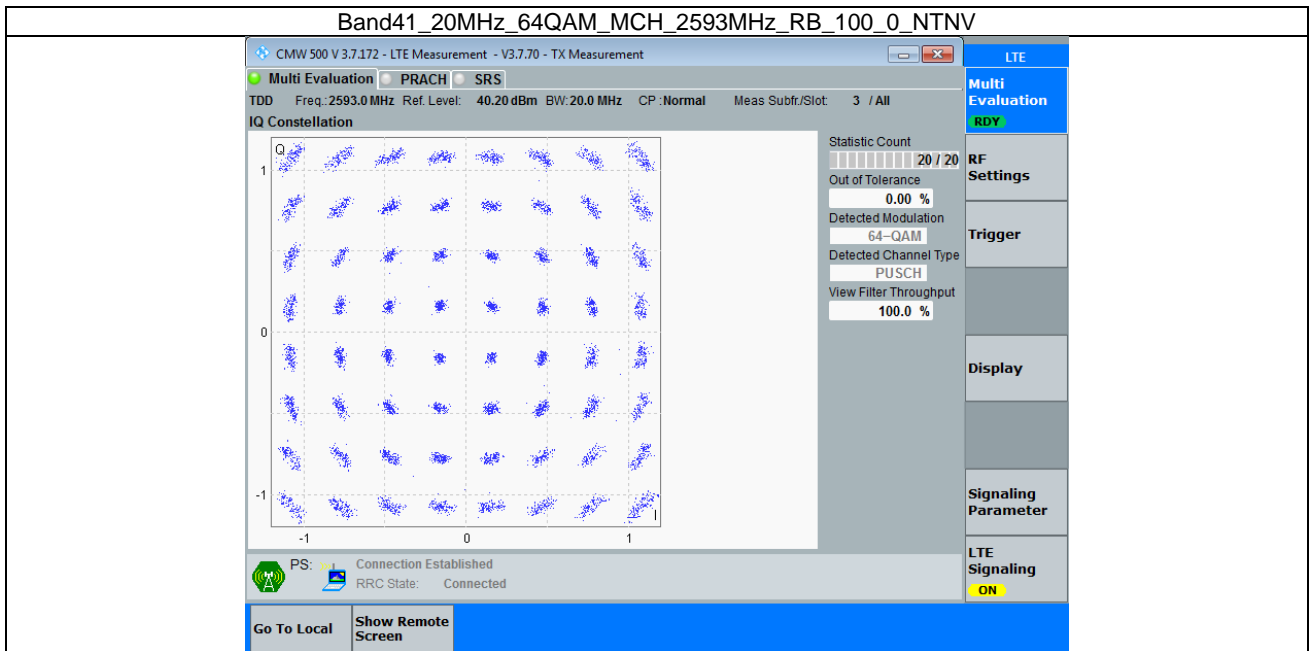
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3.4.2 Test Graph



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4. 99% & 26dB Bandwidth

4.1 Band41_OBW

4.1.1 Test Result

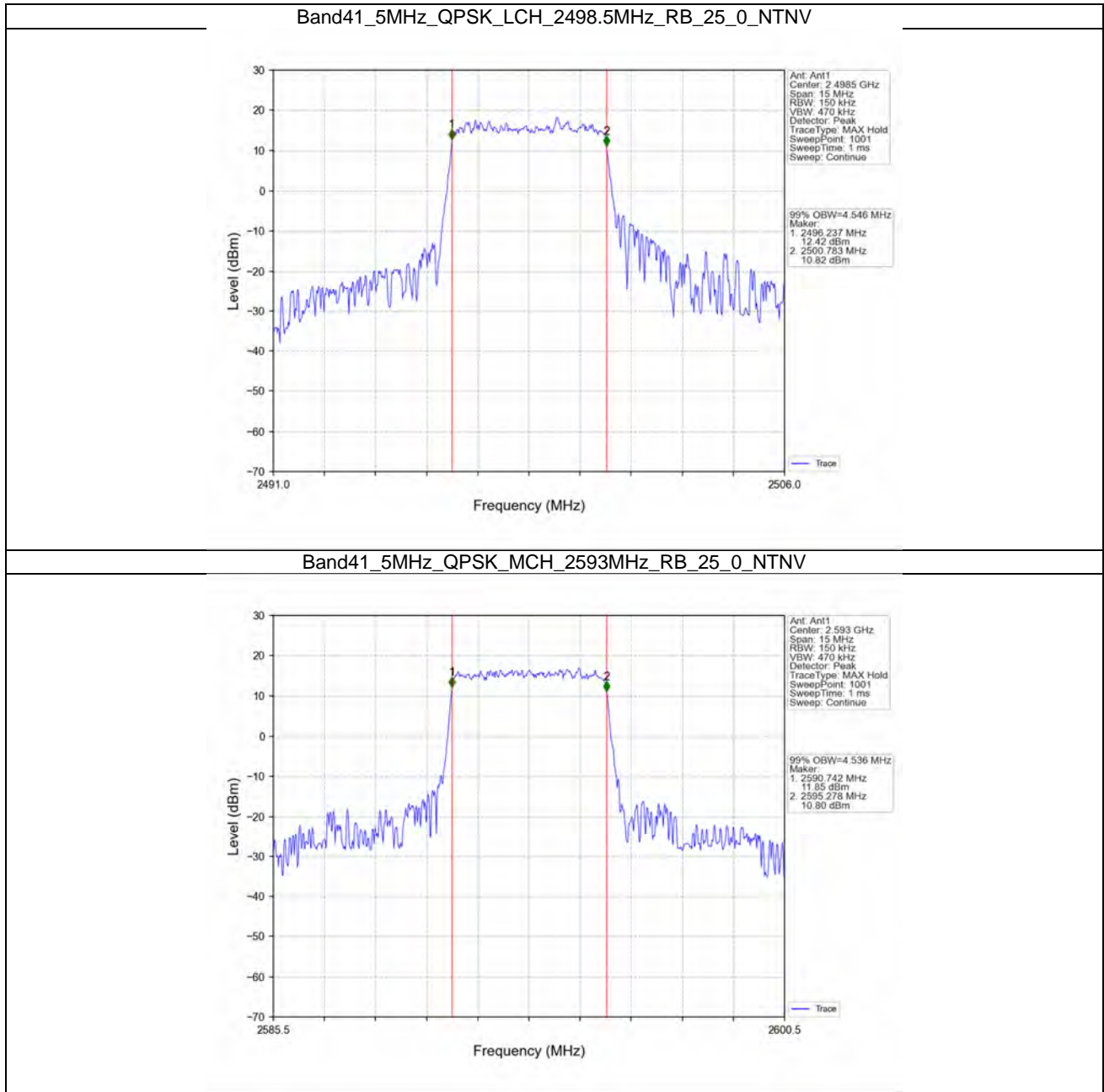
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
5	QPSK	2498.5	25	0	4.546	Pass
		2593	25	0	4.536	Pass
		2687.5	25	0	4.532	Pass
	16QAM	2498.5	25	0	4.539	Pass
		2593	25	0	4.570	Pass
		2687.5	25	0	4.524	Pass
	64QAM	2498.5	25	0	4.531	Pass
		2593	25	0	4.556	Pass
		2687.5	25	0	4.547	Pass
10	QPSK	2501	50	0	9.049	Pass
		2593	50	0	9.037	Pass
		2685	50	0	9.041	Pass
	16QAM	2501	50	0	9.056	Pass
		2593	50	0	9.025	Pass
		2685	50	0	9.023	Pass
	64QAM	2501	50	0	9.035	Pass
		2593	50	0	9.037	Pass
		2685	50	0	9.037	Pass
15	QPSK	2503.5	75	0	13.554	Pass
		2593	75	0	13.521	Pass
		2682.5	75	0	13.519	Pass
	16QAM	2503.5	75	0	13.569	Pass
		2593	75	0	13.555	Pass
		2682.5	75	0	13.562	Pass
	64QAM	2503.5	75	0	13.542	Pass
		2593	75	0	13.537	Pass
		2682.5	75	0	13.546	Pass
20	QPSK	2506	100	0	18.070	Pass
		2593	100	0	18.033	Pass
		2680	100	0	18.105	Pass
	16QAM	2506	100	0	18.015	Pass
		2593	100	0	18.003	Pass
		2680	100	0	18.015	Pass
	64QAM	2506	100	0	17.954	Pass
		2593	100	0	18.023	Pass
		2680	100	0	18.049	Pass



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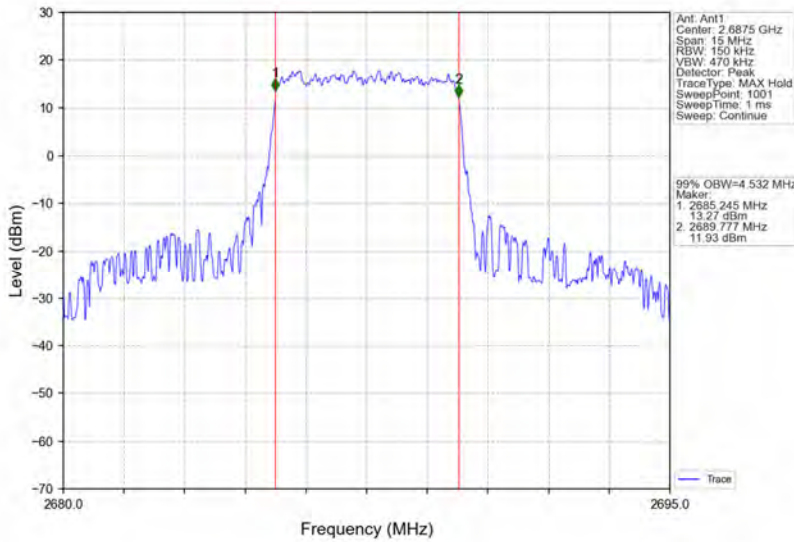
4.1.2 Test Graph



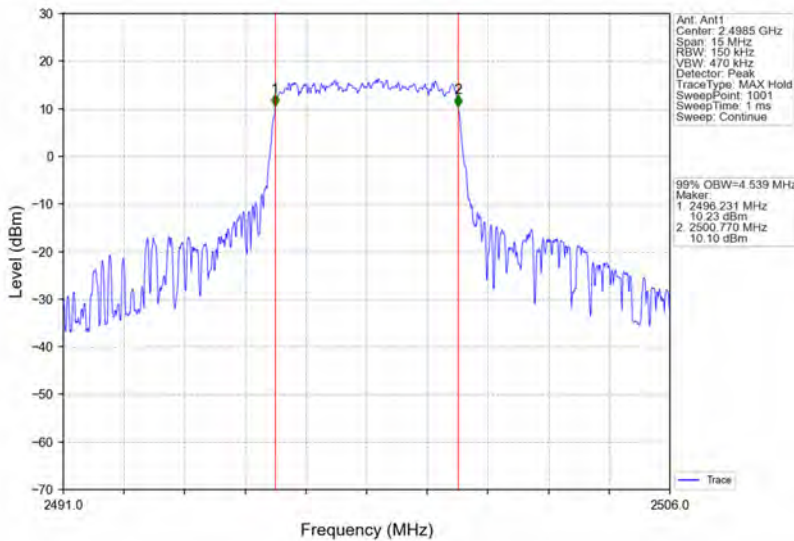
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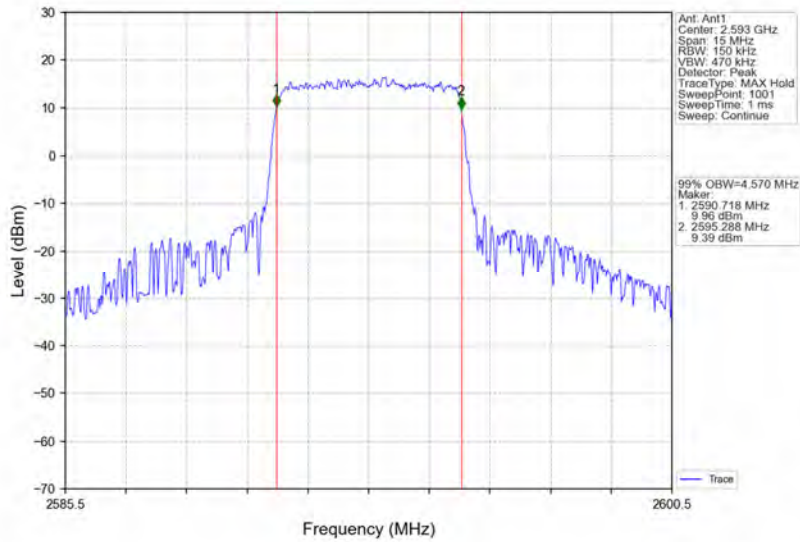
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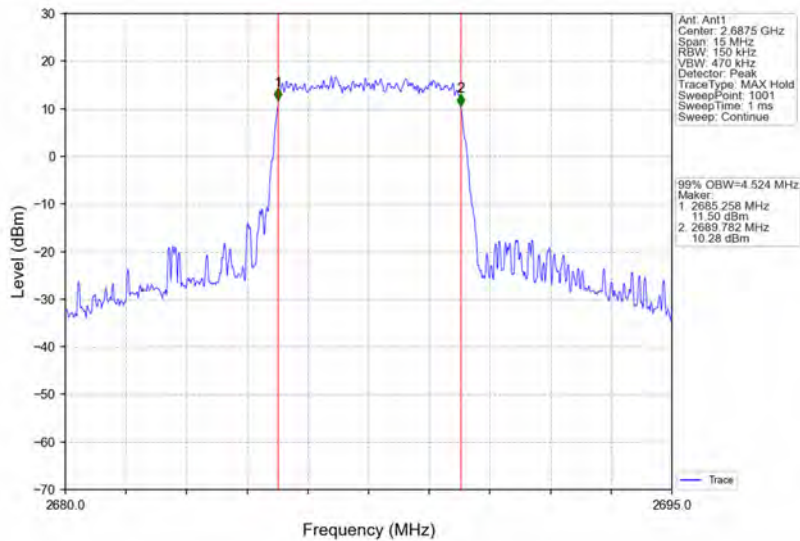
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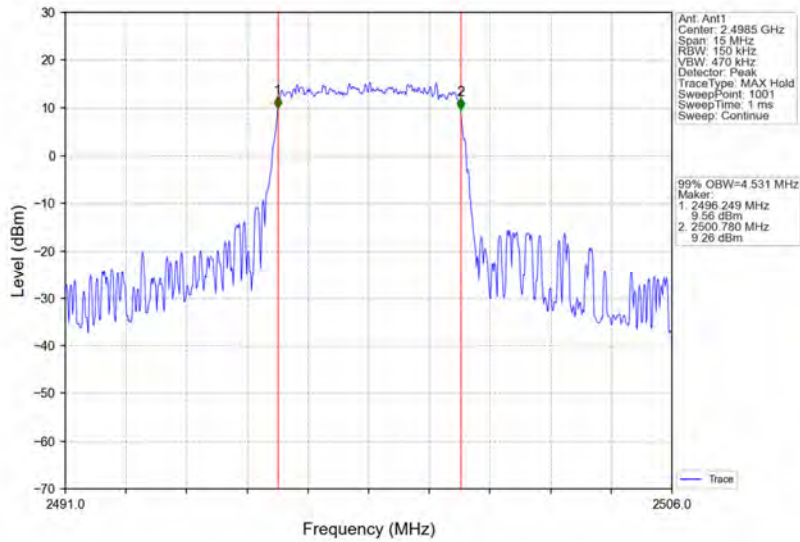
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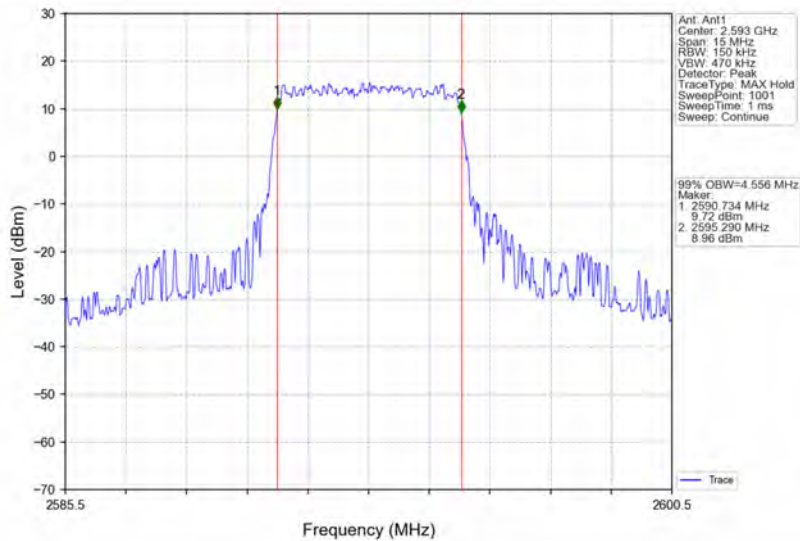
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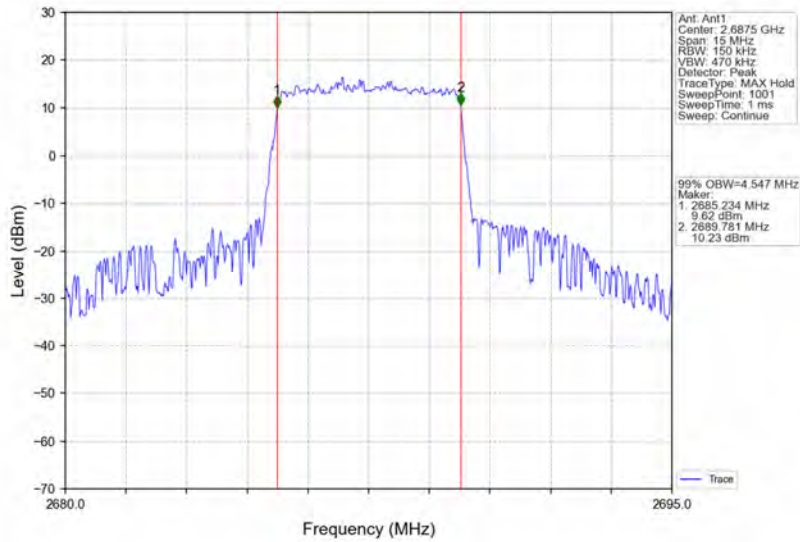
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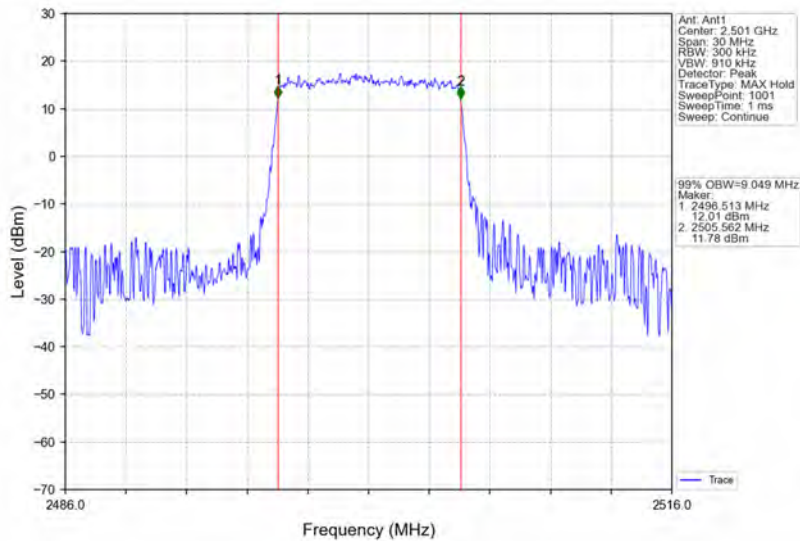


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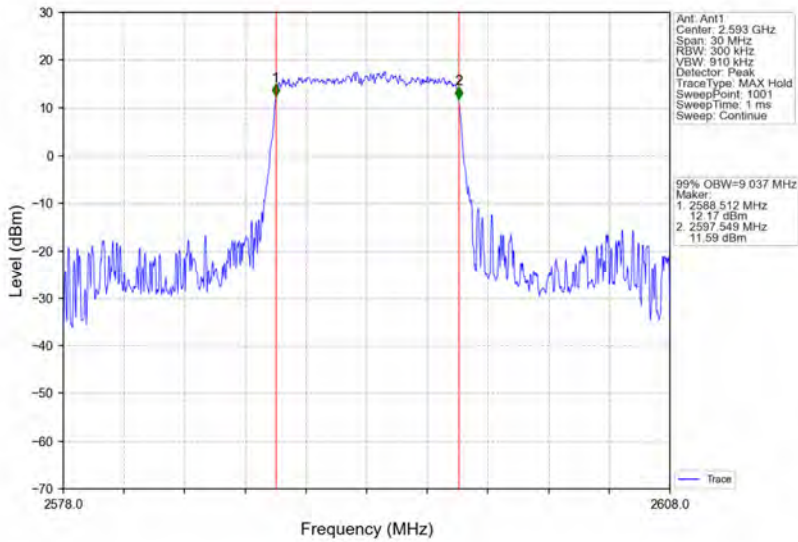
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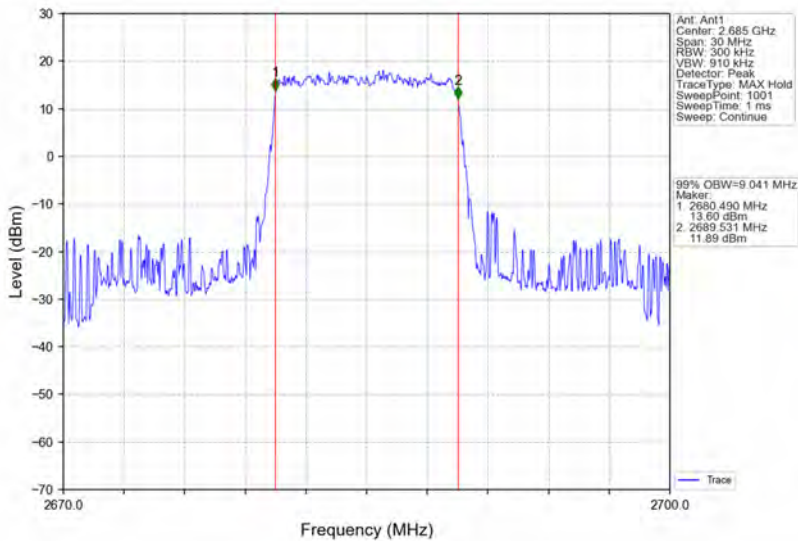


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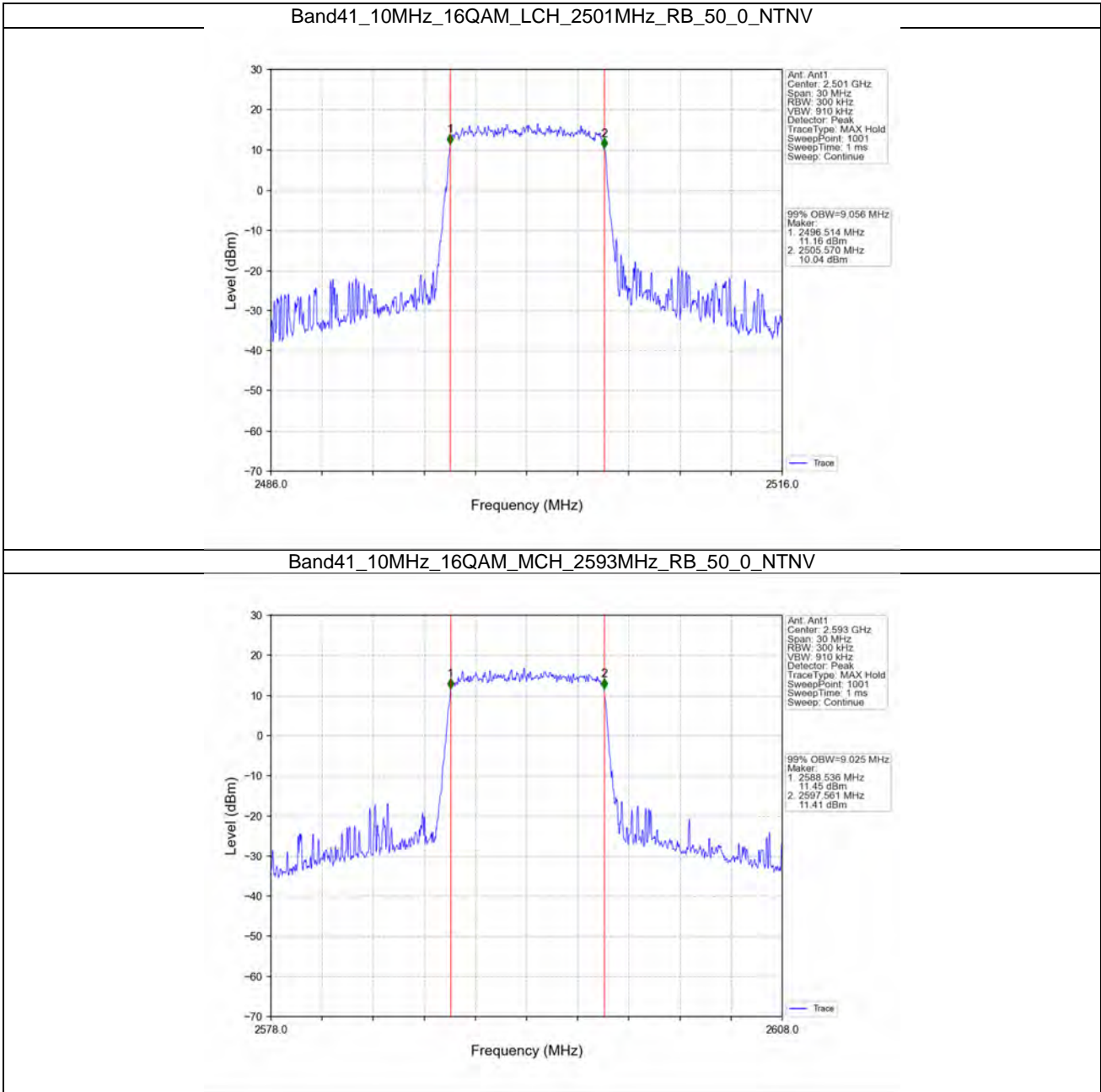
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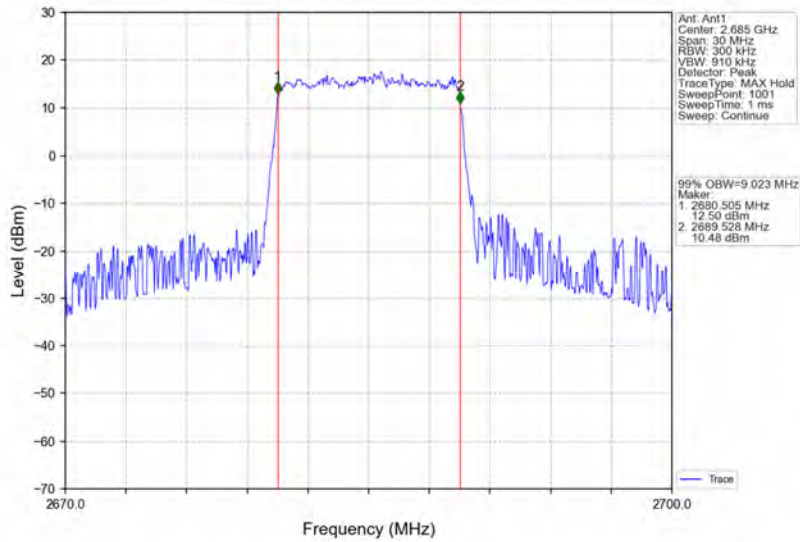
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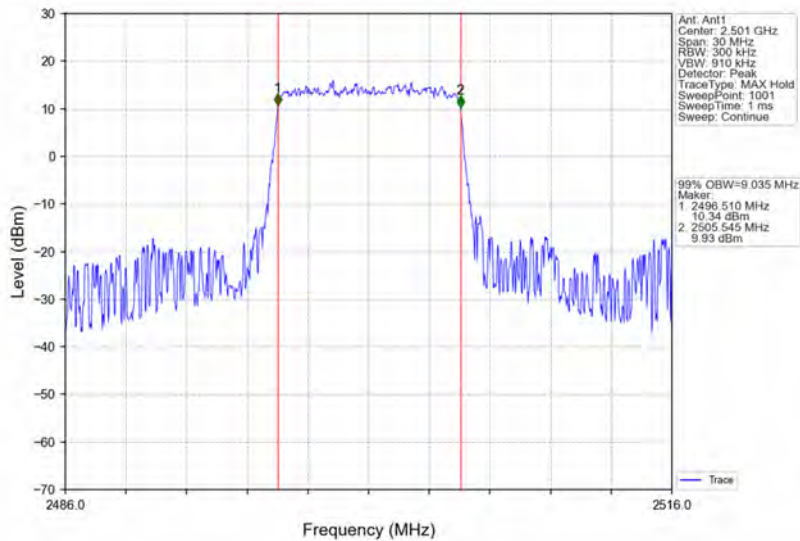
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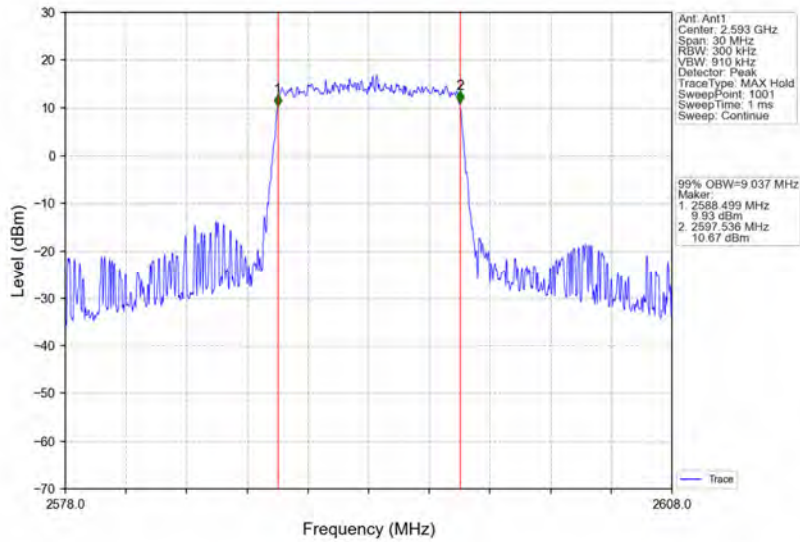
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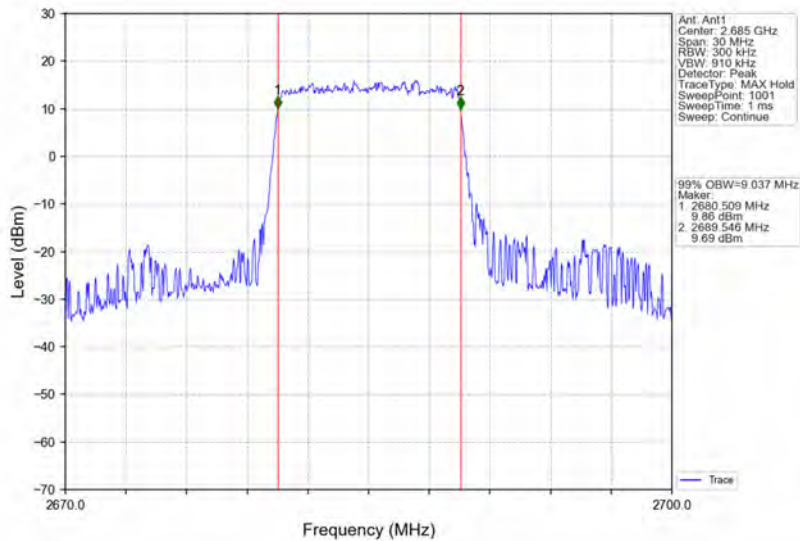
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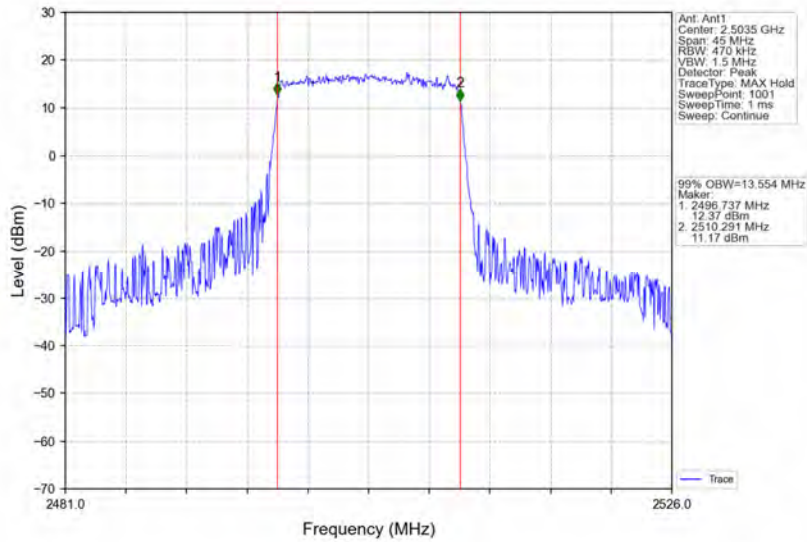
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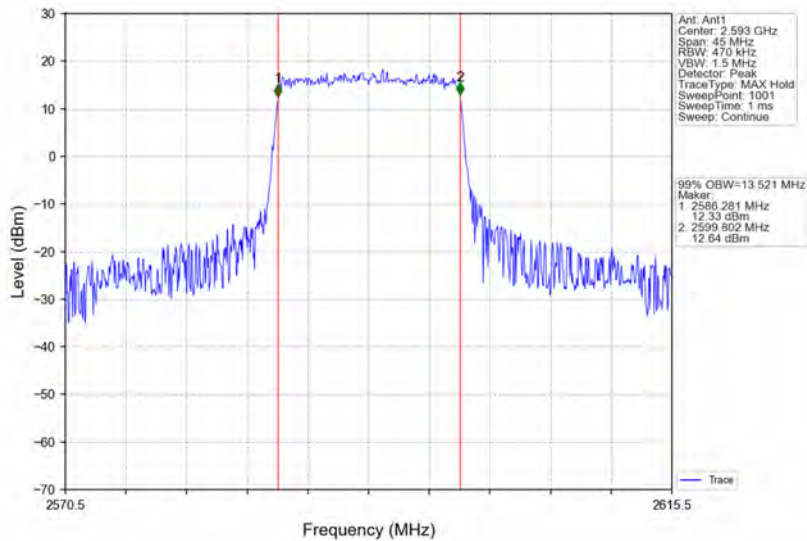


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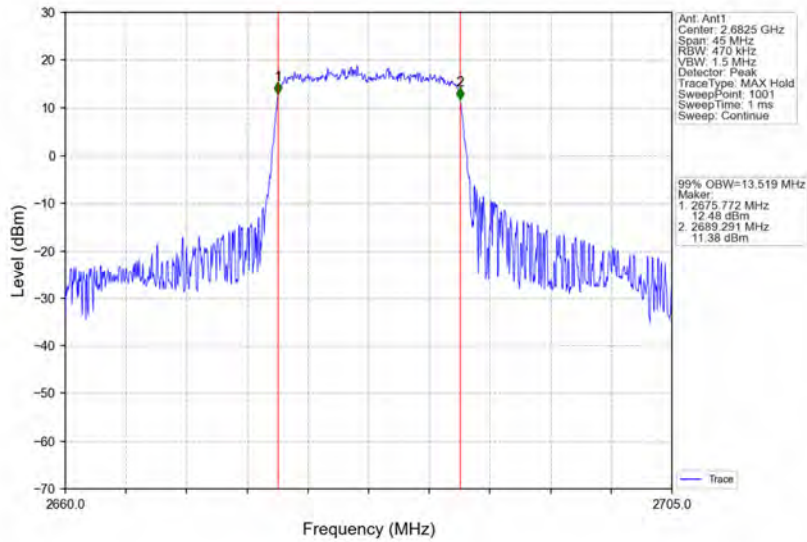
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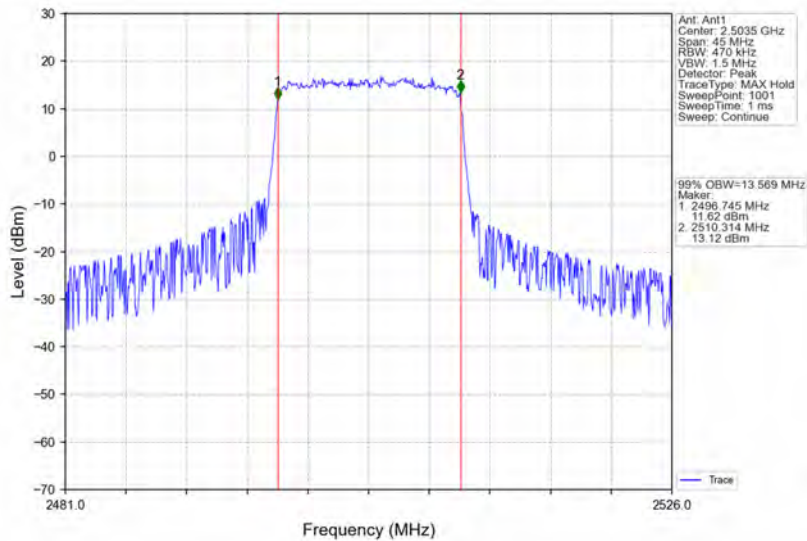


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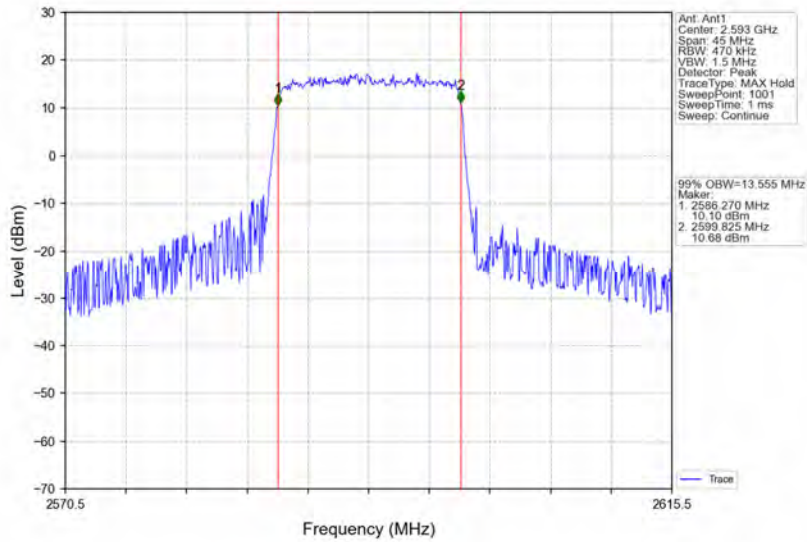
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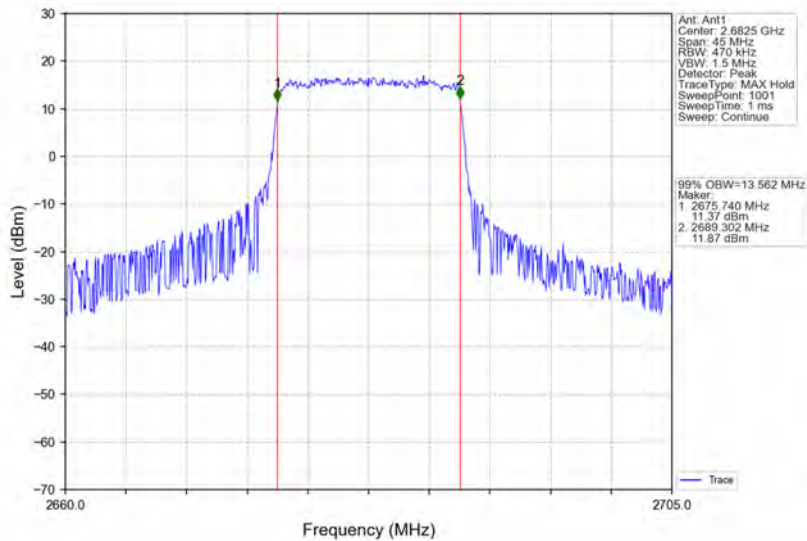


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Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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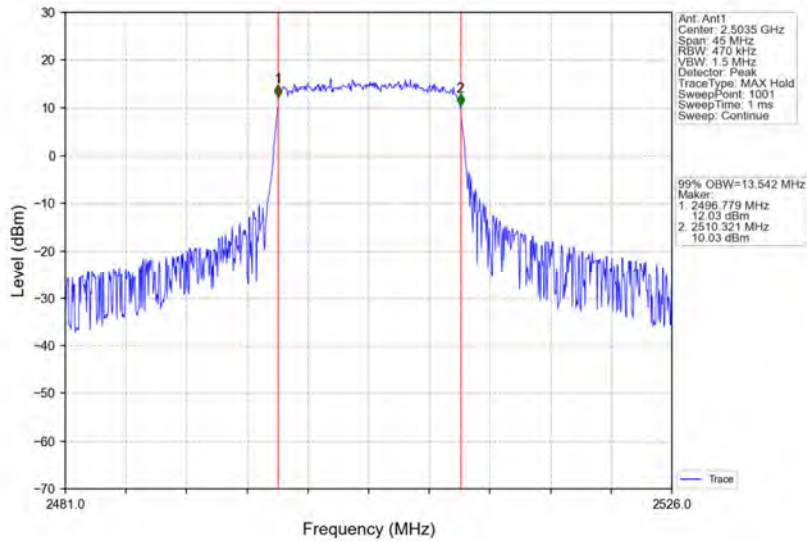
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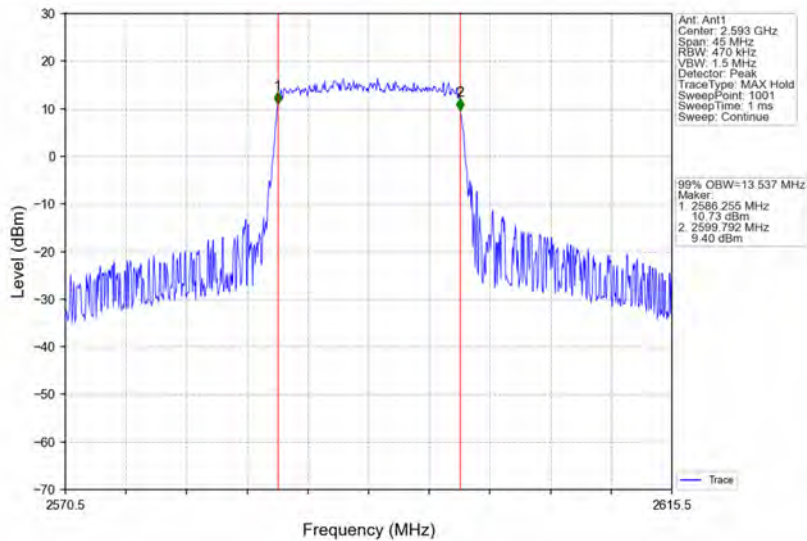
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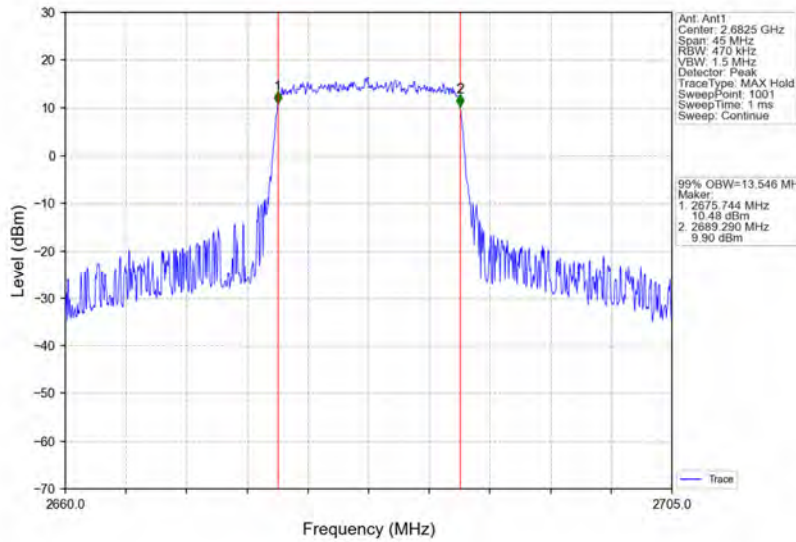
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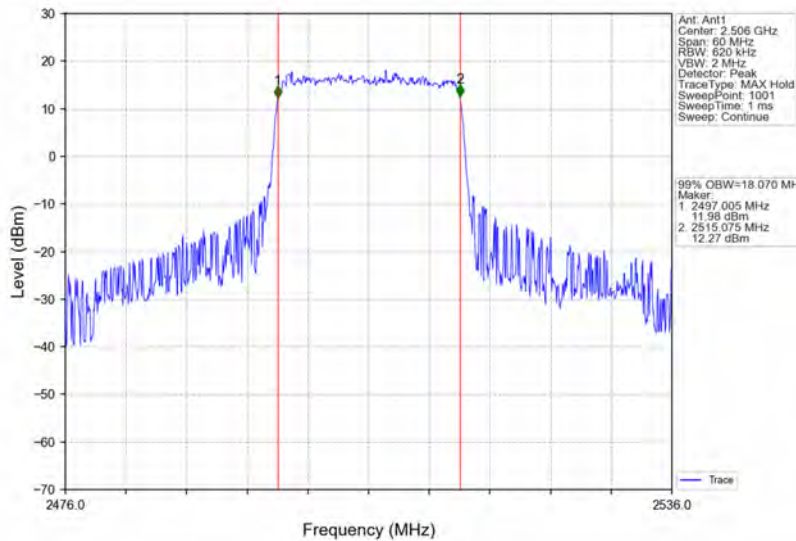
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Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



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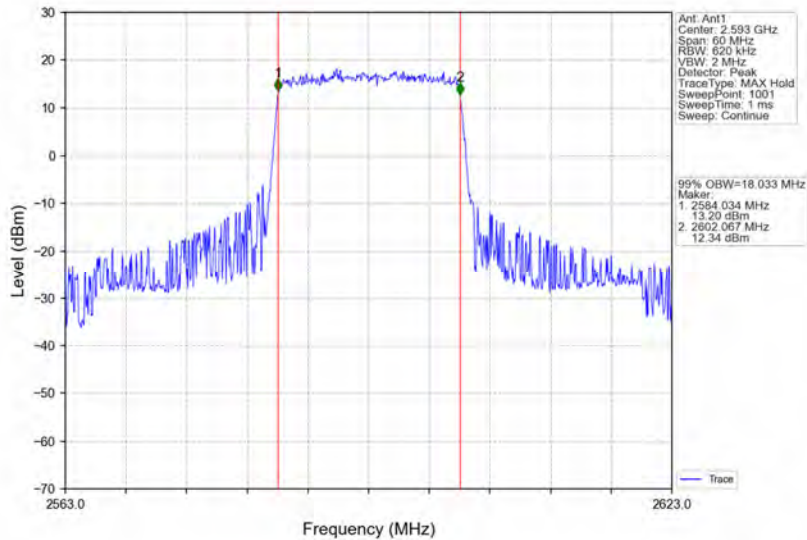
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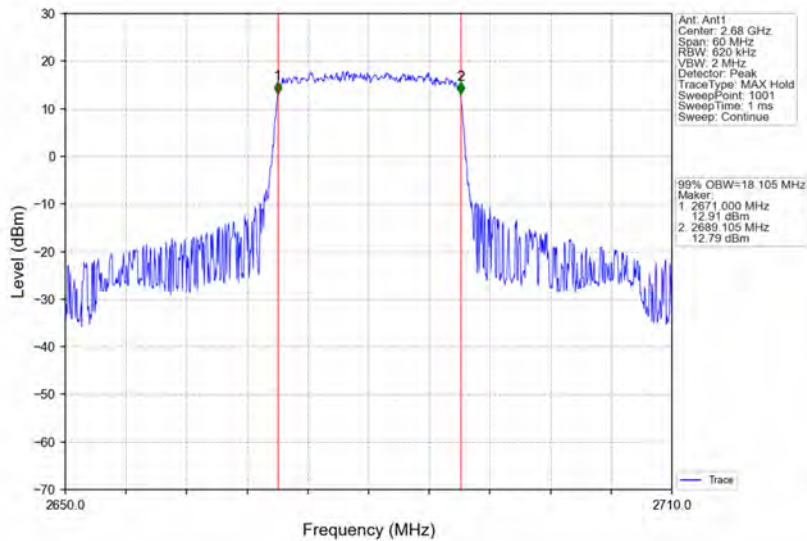


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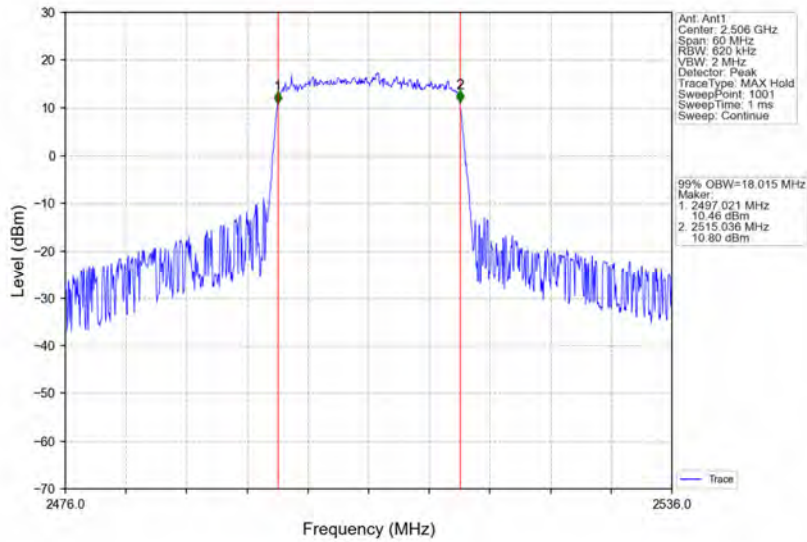
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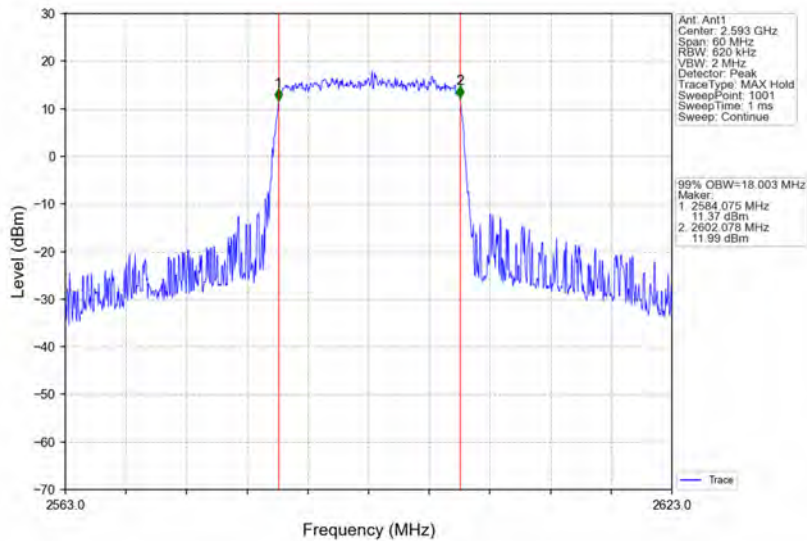


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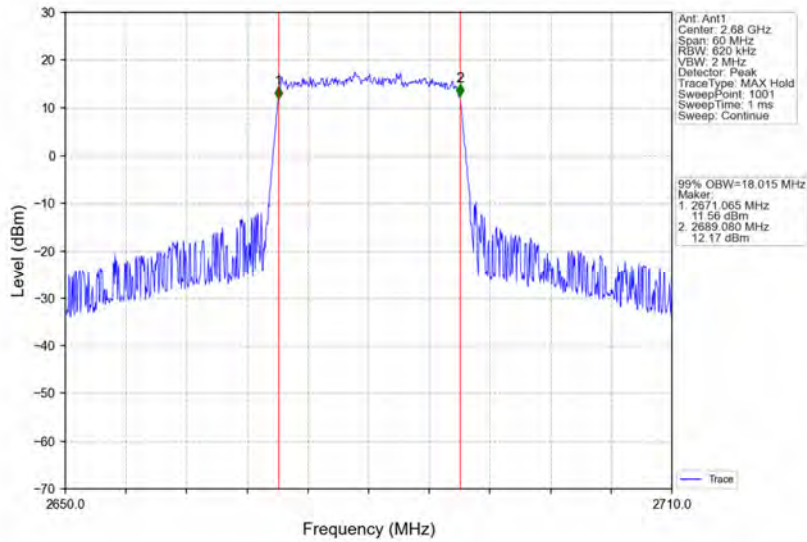
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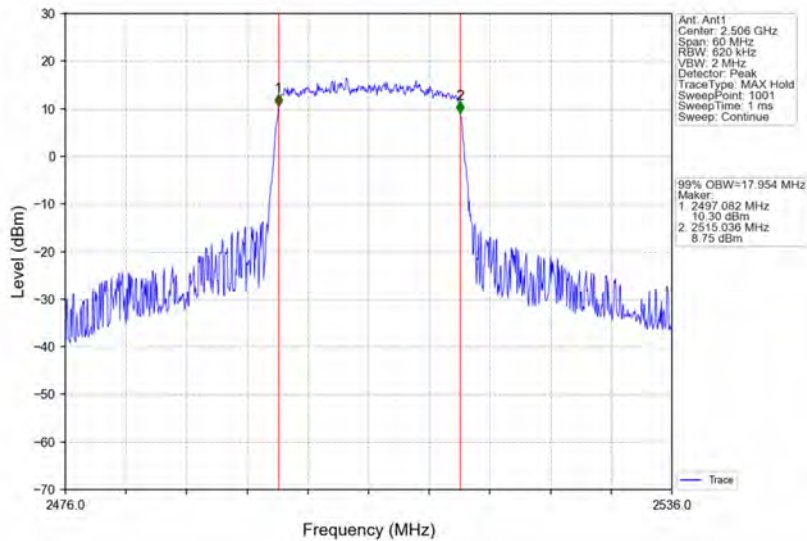


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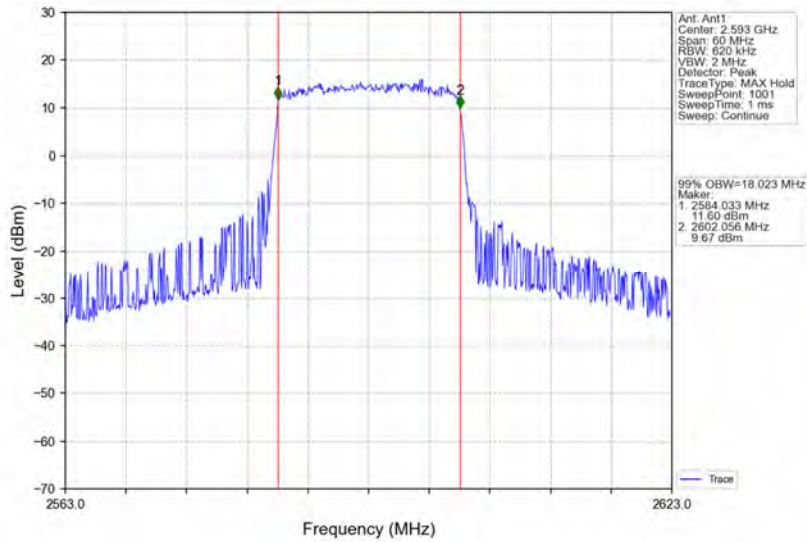
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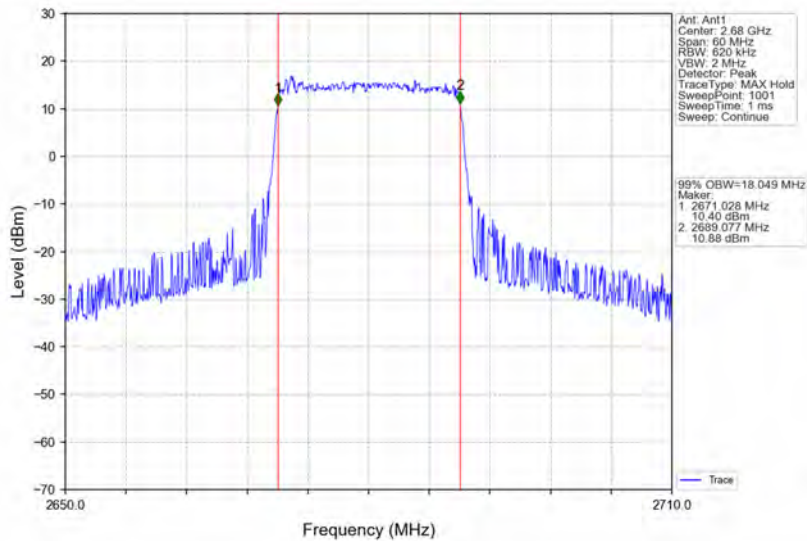


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4.2 Band41_XDB

4.2.1 Test Result

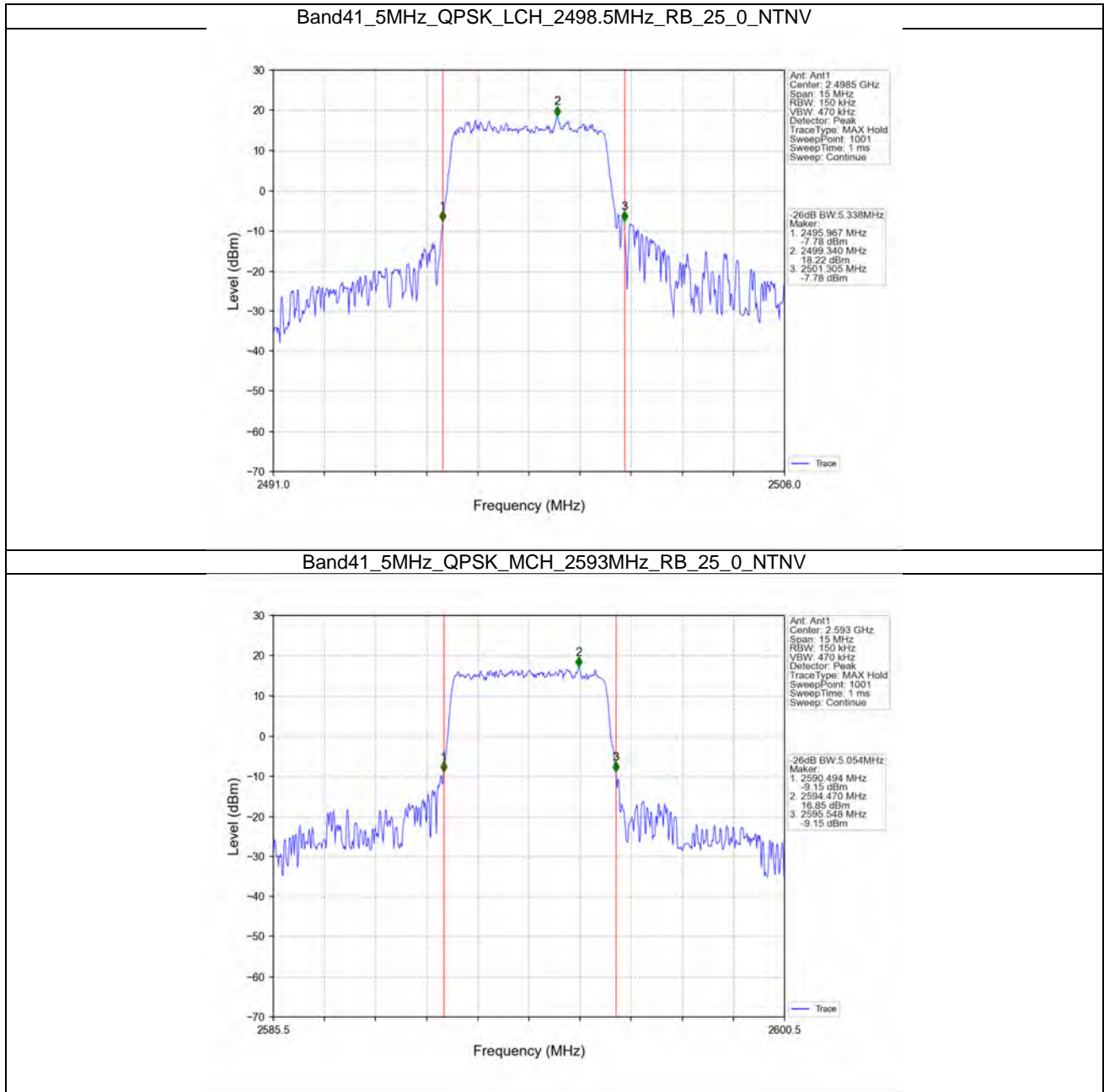
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.338	Pass
		2593	25	0	5.054	Pass
		2687.5	25	0	5.223	Pass
	16QAM	2498.5	25	0	5.177	Pass
		2593	25	0	5.081	Pass
		2687.5	25	0	5.004	Pass
	64QAM	2498.5	25	0	5.311	Pass
		2593	25	0	5.330	Pass
		2687.5	25	0	5.078	Pass
10	QPSK	2501	50	0	10.142	Pass
		2593	50	0	10.087	Pass
		2685	50	0	9.993	Pass
	16QAM	2501	50	0	9.963	Pass
		2593	50	0	9.966	Pass
		2685	50	0	10.087	Pass
	64QAM	2501	50	0	10.057	Pass
		2593	50	0	9.903	Pass
		2685	50	0	10.306	Pass
15	QPSK	2503.5	75	0	15.465	Pass
		2593	75	0	15.056	Pass
		2682.5	75	0	15.434	Pass
	16QAM	2503.5	75	0	15.258	Pass
		2593	75	0	15.300	Pass
		2682.5	75	0	16.292	Pass
	64QAM	2503.5	75	0	15.765	Pass
		2593	75	0	15.552	Pass
		2682.5	75	0	15.251	Pass
20	QPSK	2506	100	0	19.896	Pass
		2593	100	0	20.887	Pass
		2680	100	0	20.348	Pass
	16QAM	2506	100	0	19.766	Pass
		2593	100	0	19.888	Pass
		2680	100	0	19.842	Pass
	64QAM	2506	100	0	19.771	Pass
		2593	100	0	21.203	Pass
		2680	100	0	20.652	Pass



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4.2.2 Test Graph



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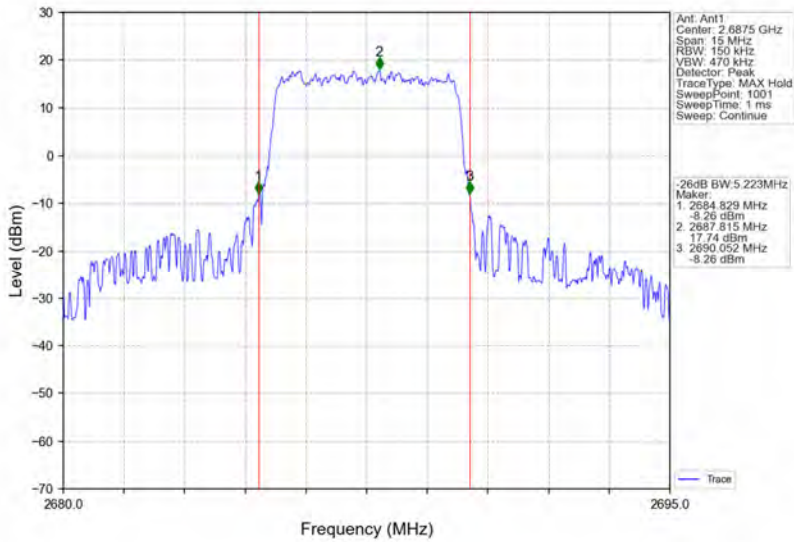
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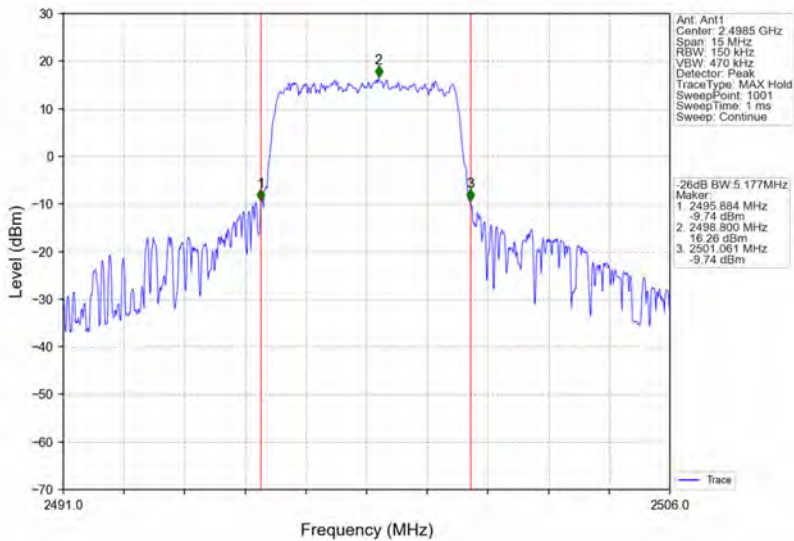
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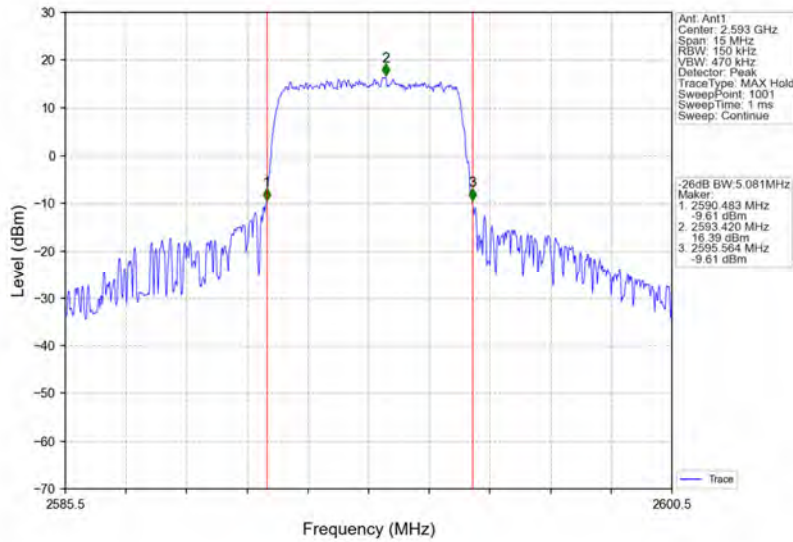
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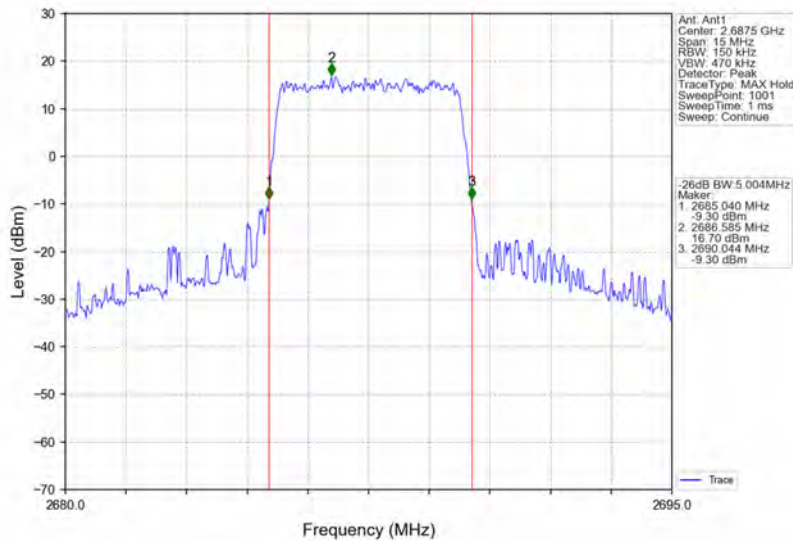


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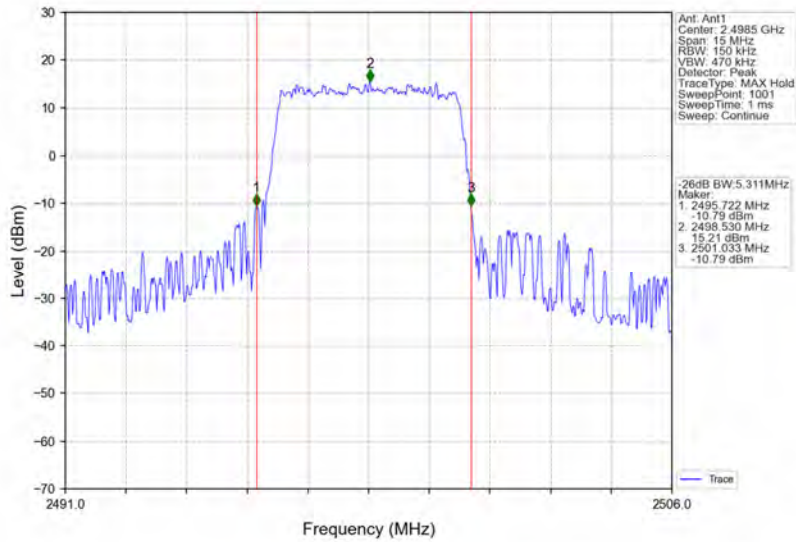
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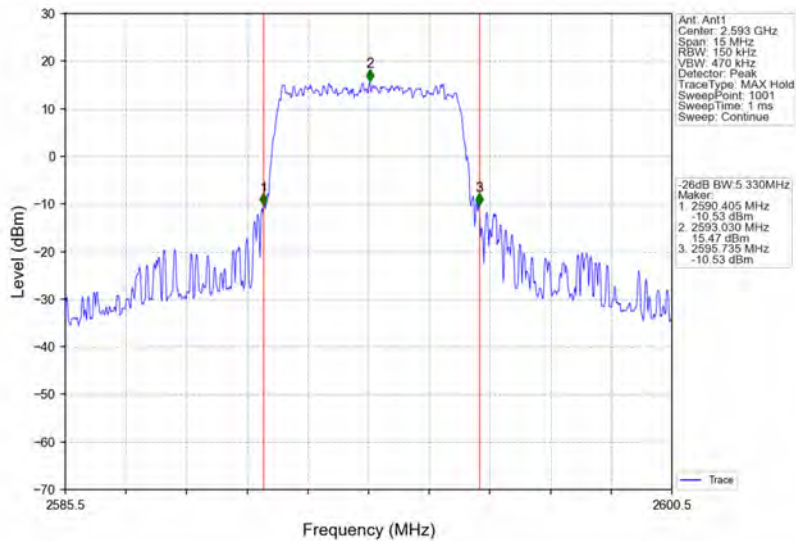


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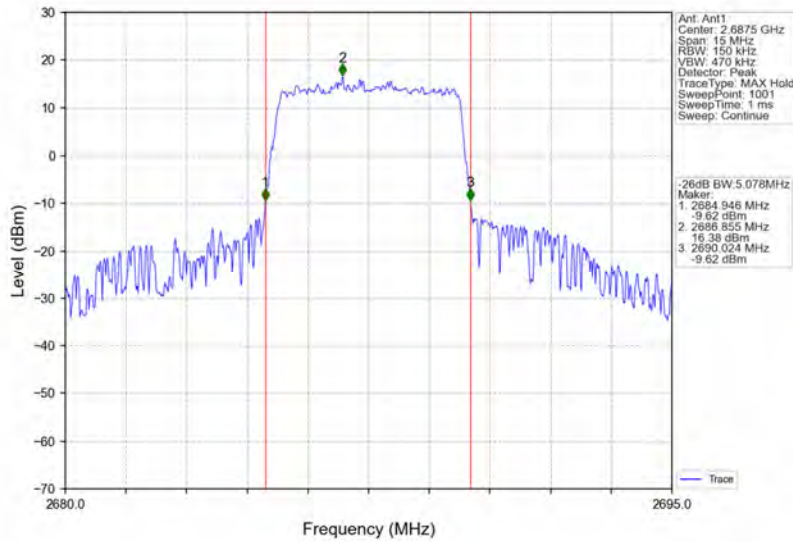
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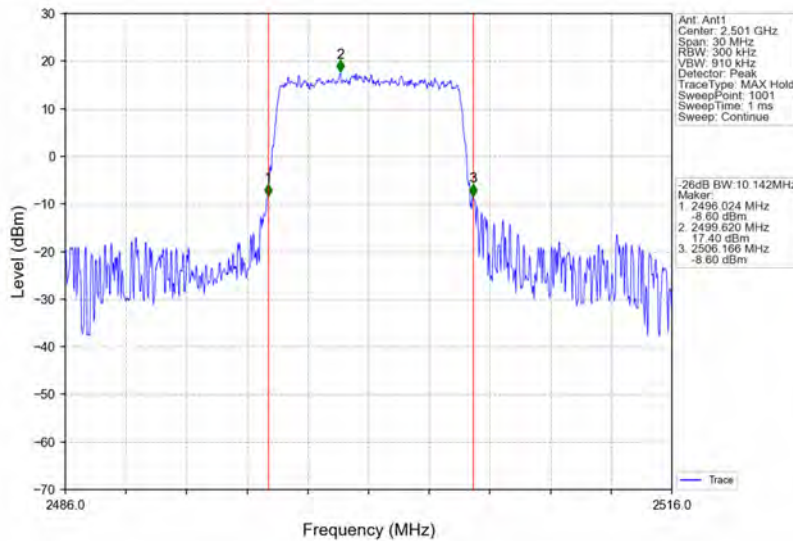


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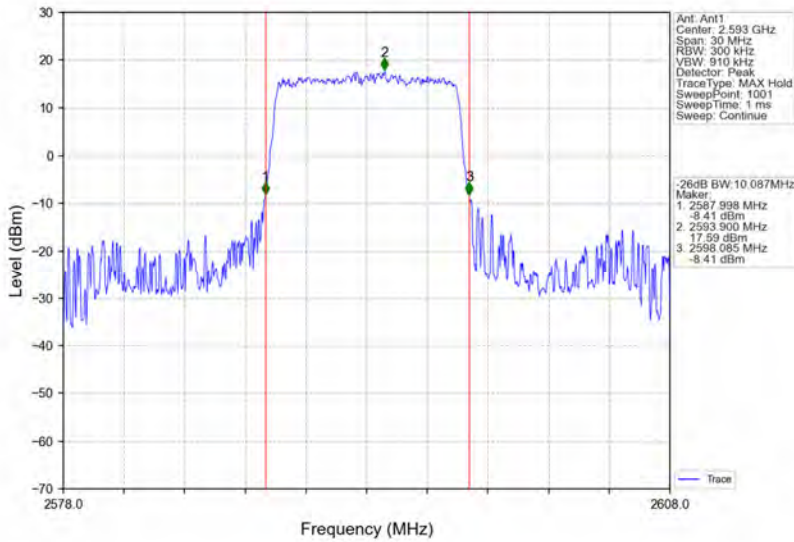
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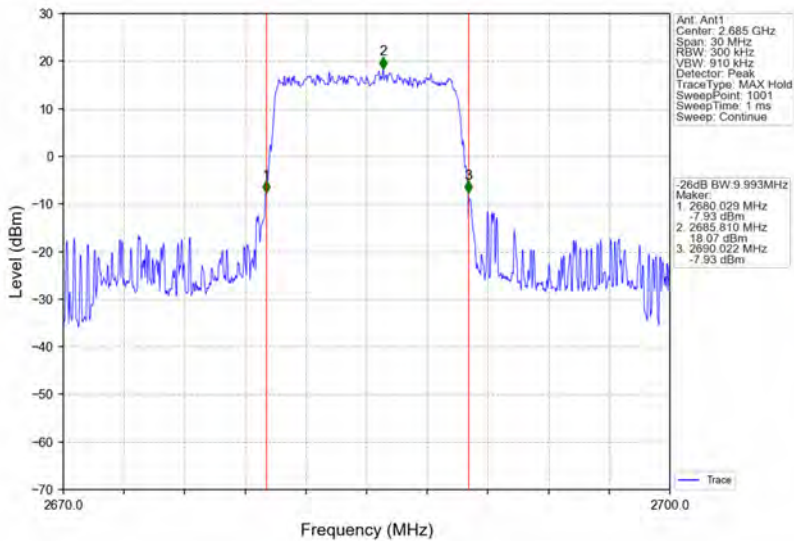


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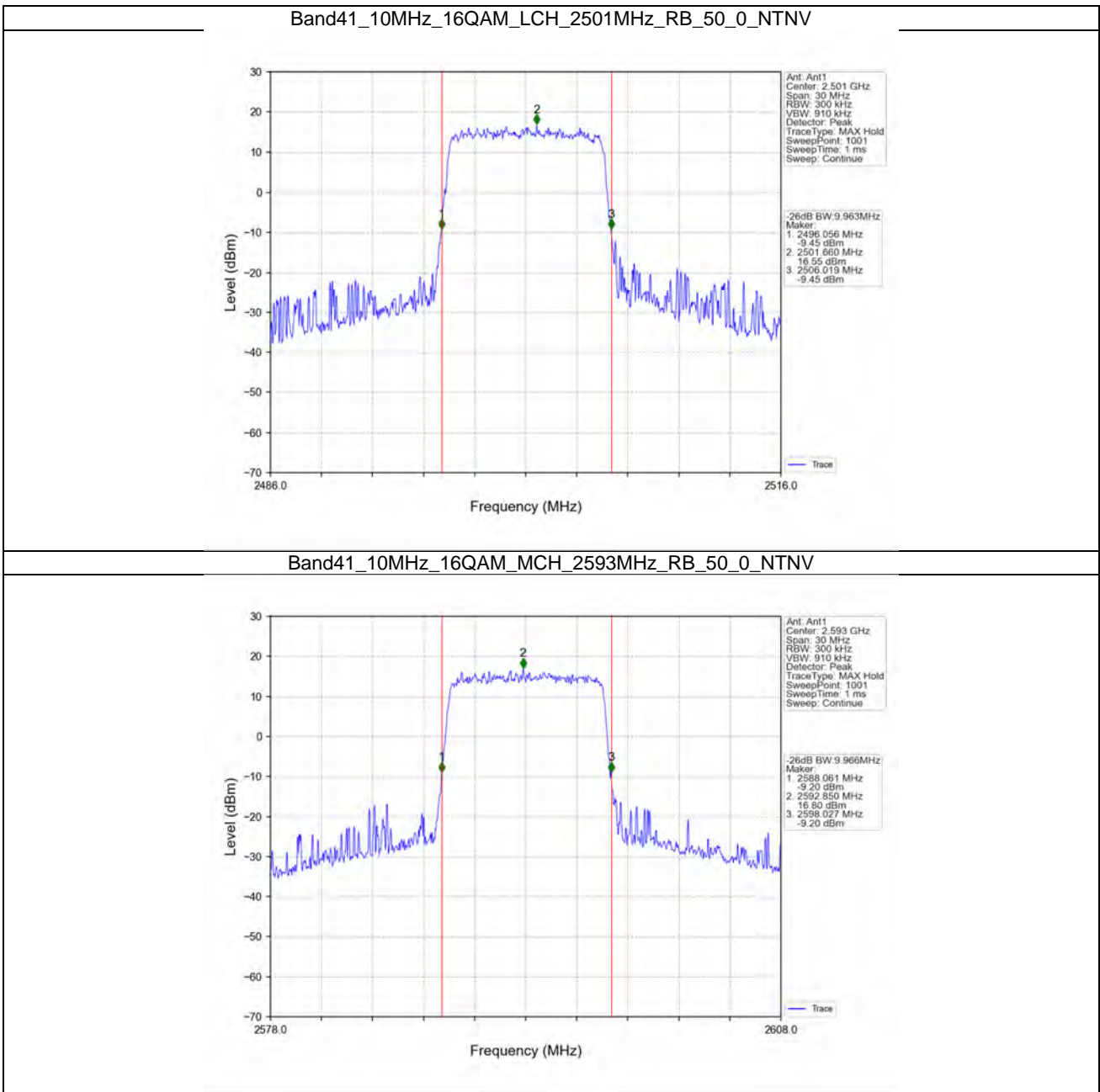
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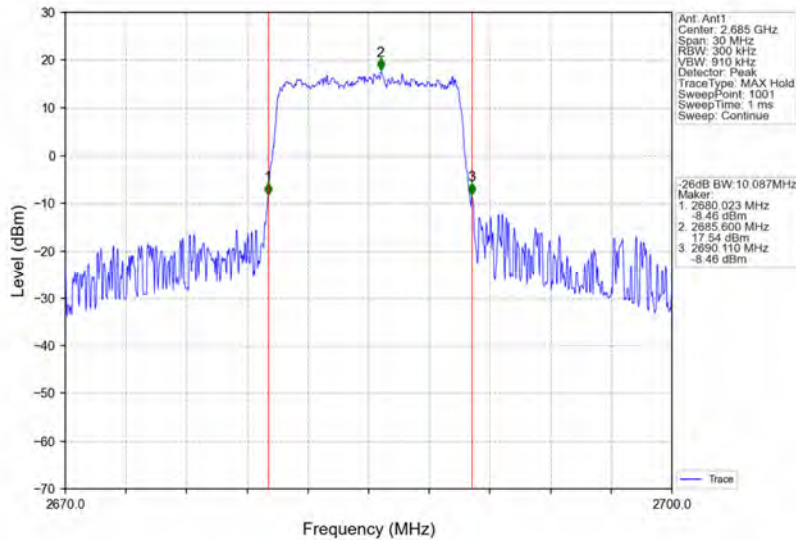
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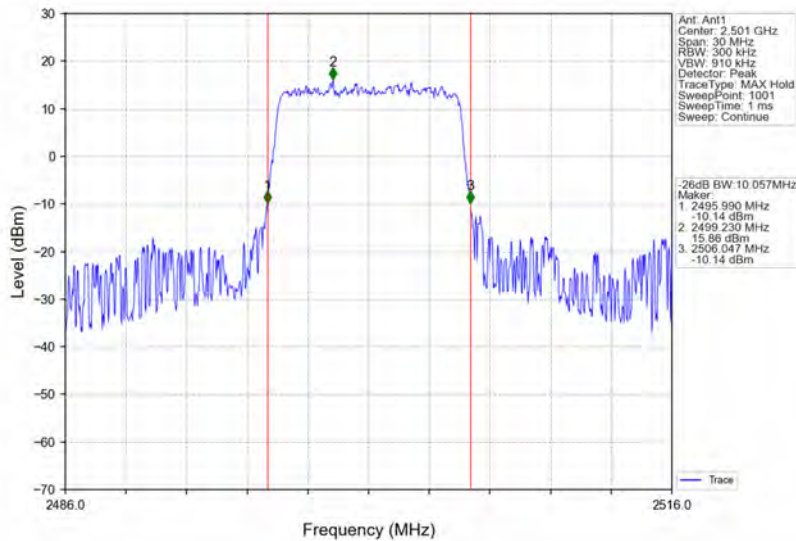
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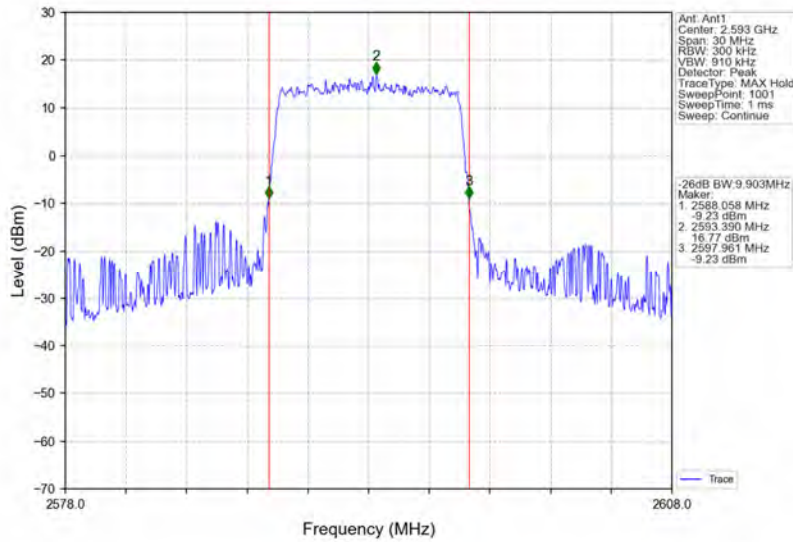
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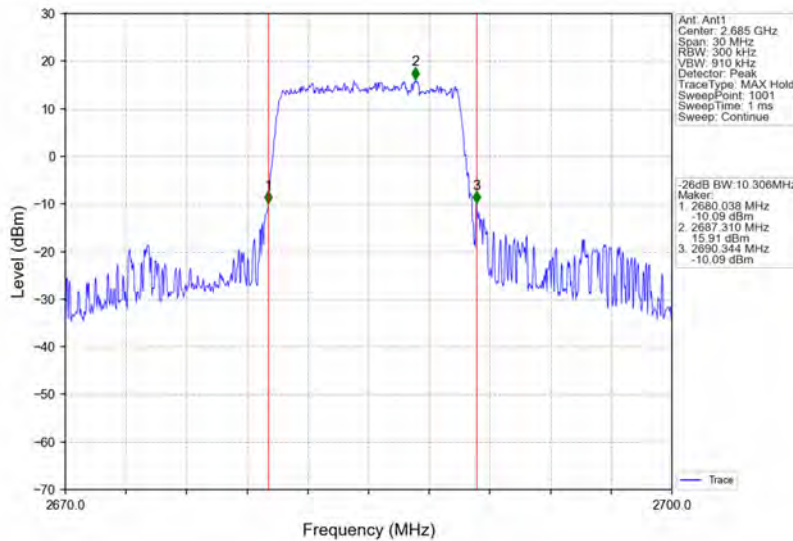


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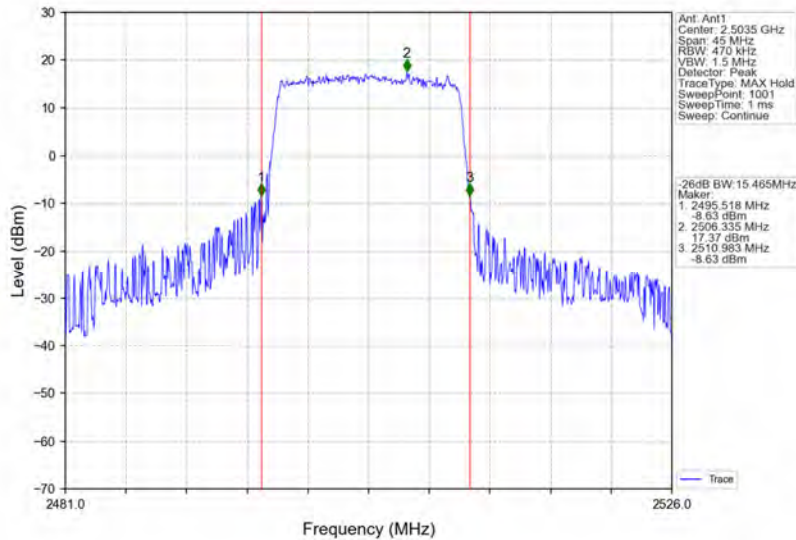
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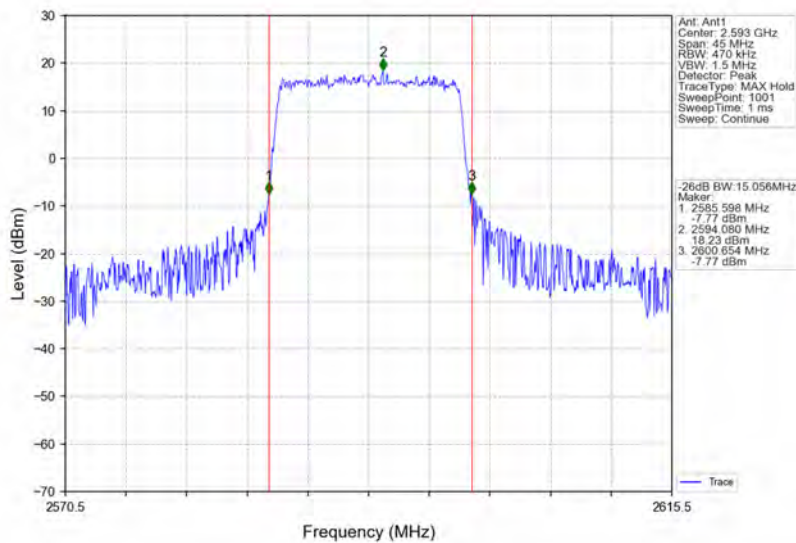


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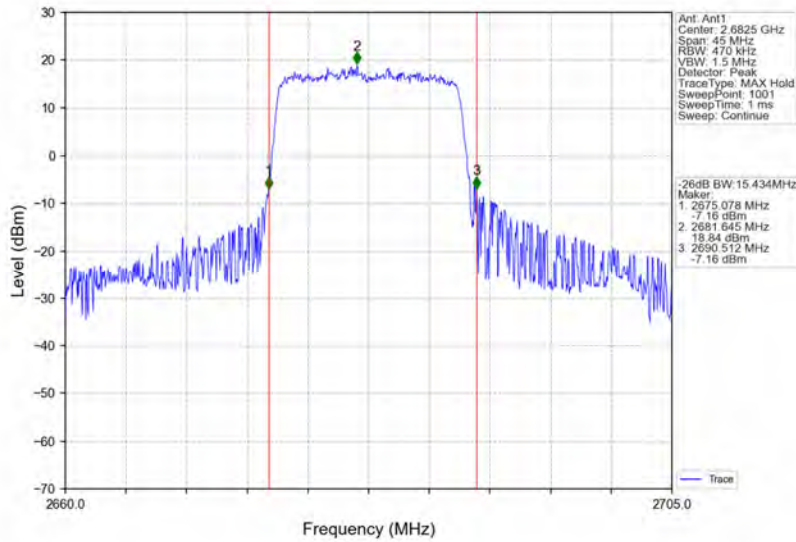
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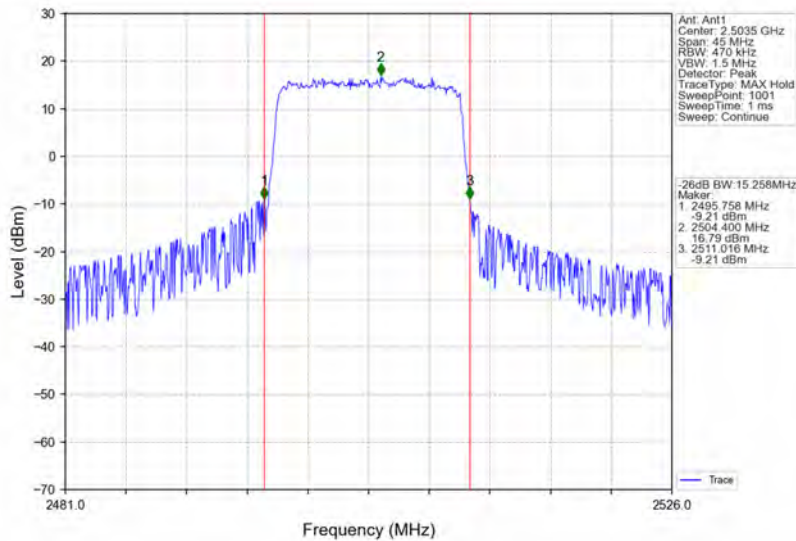


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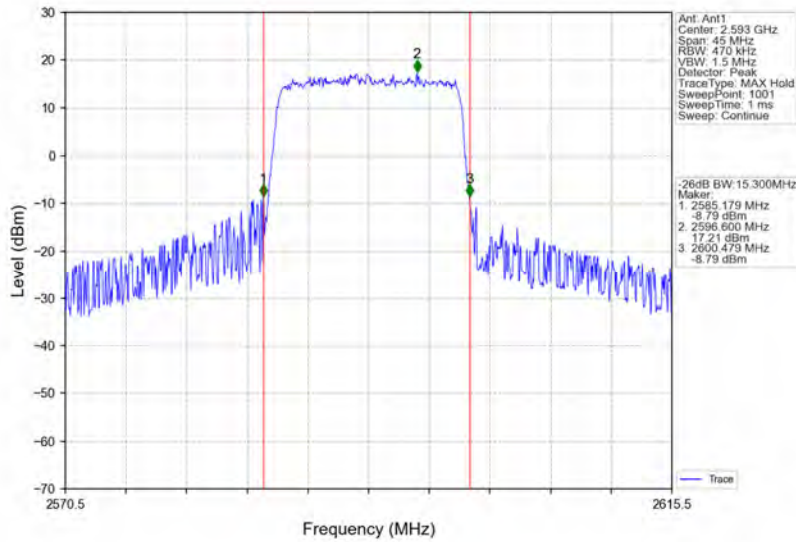
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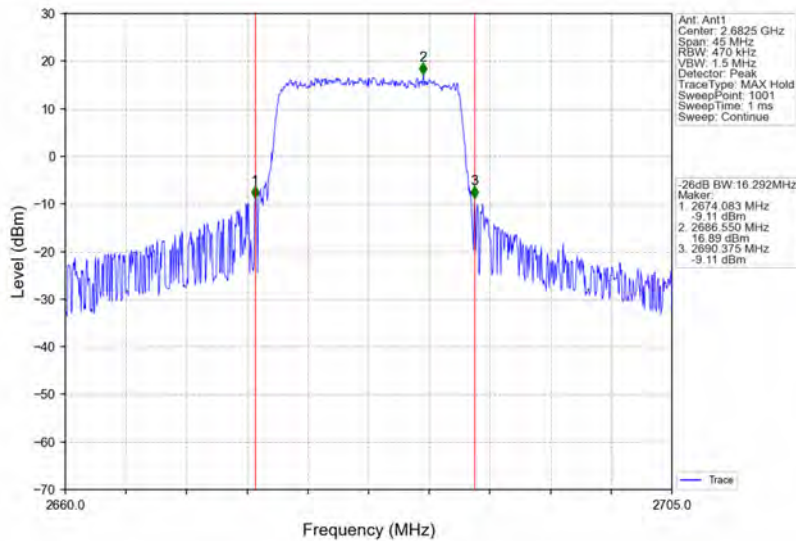
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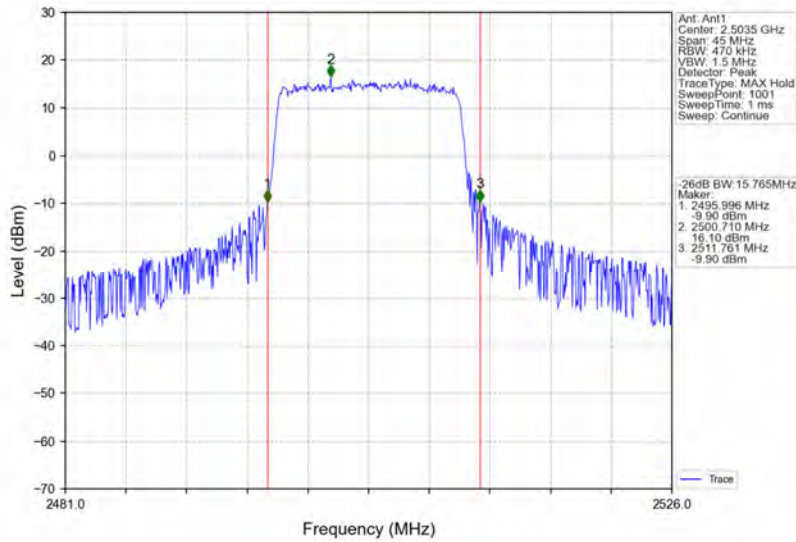
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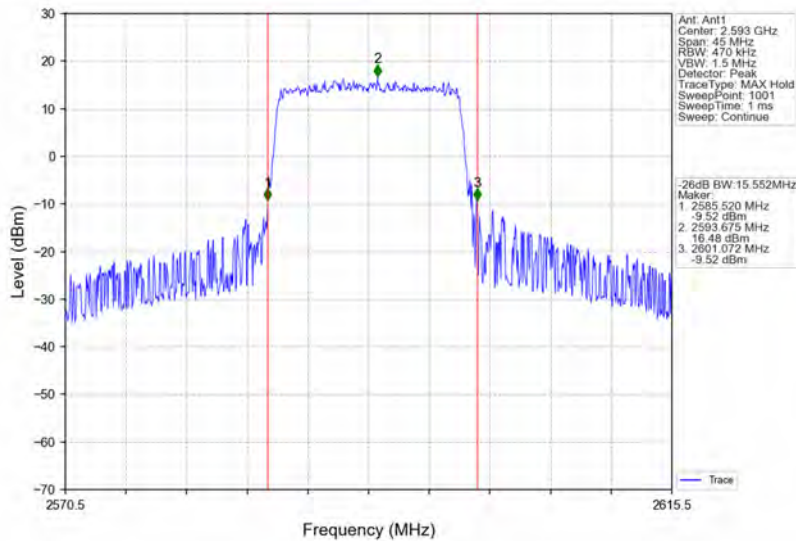
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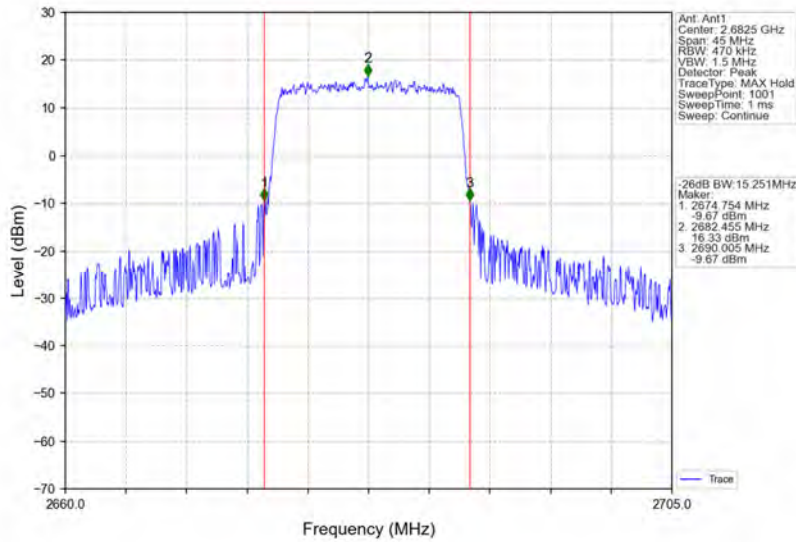
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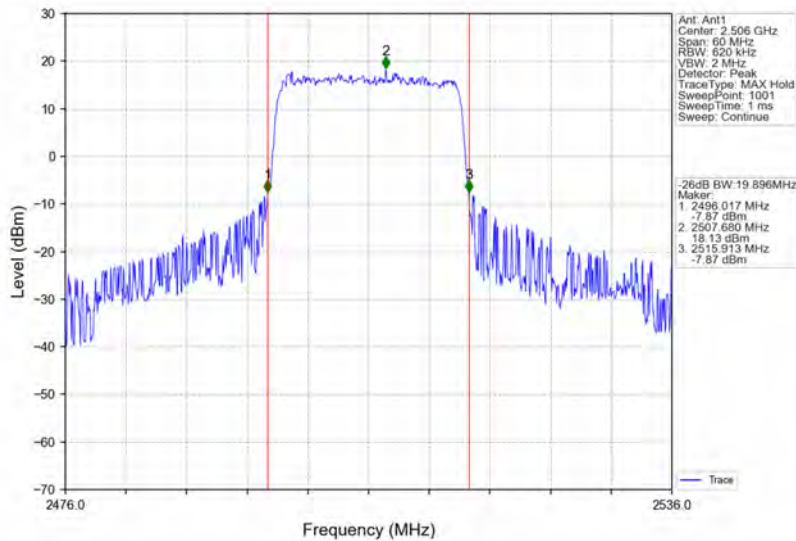


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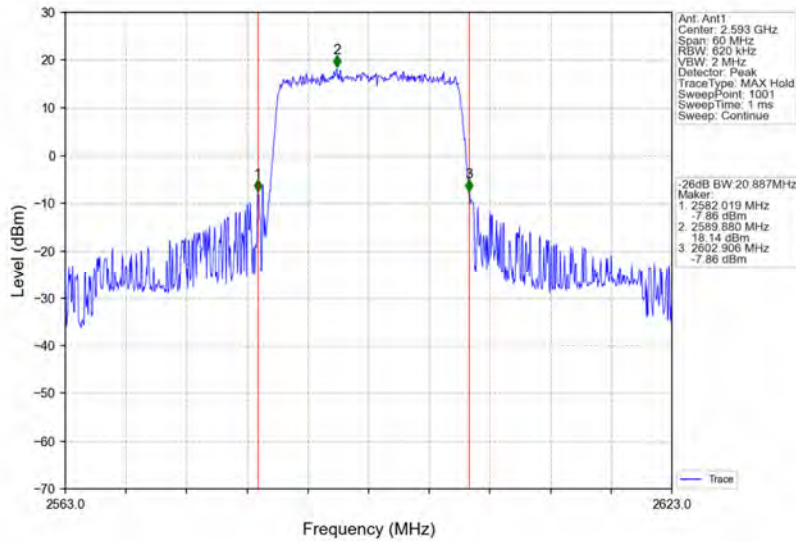
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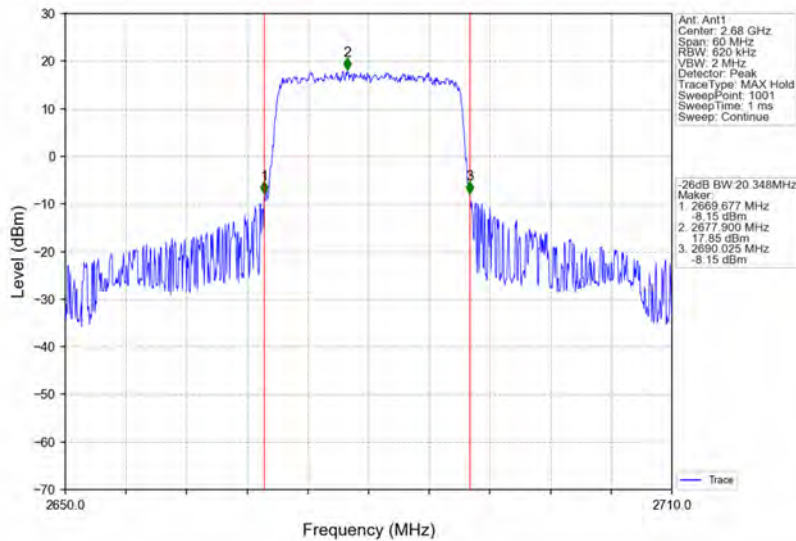
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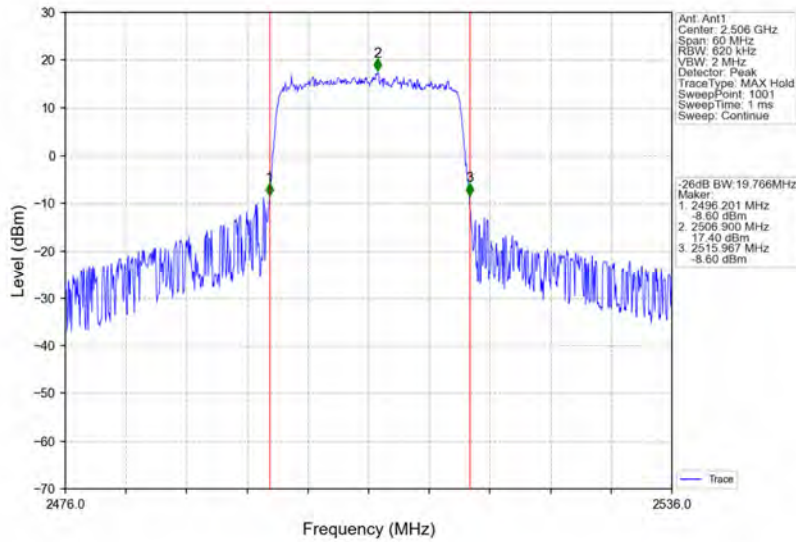
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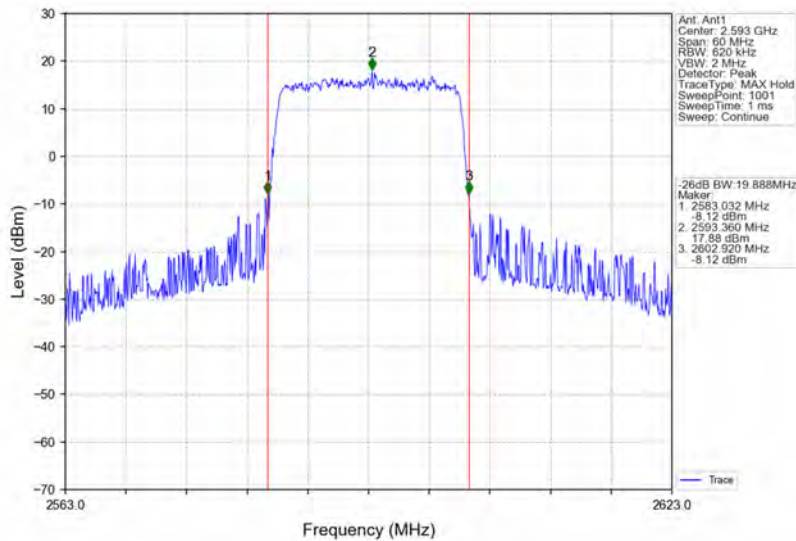


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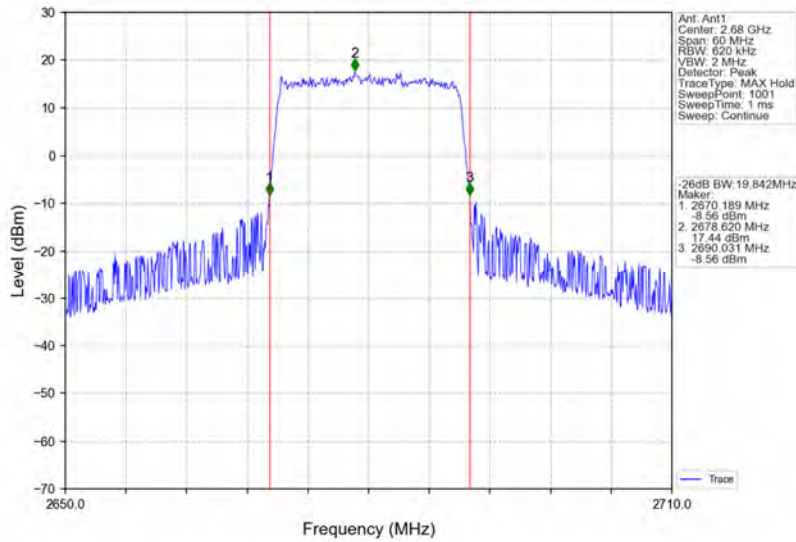
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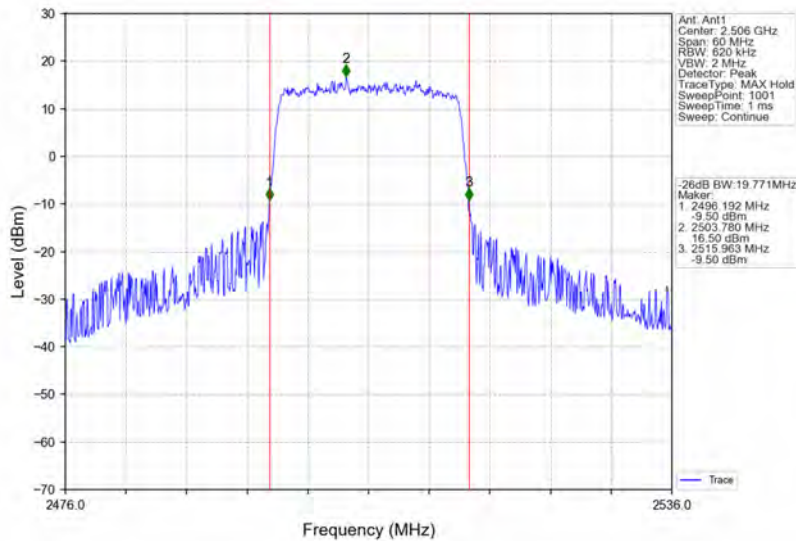
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Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



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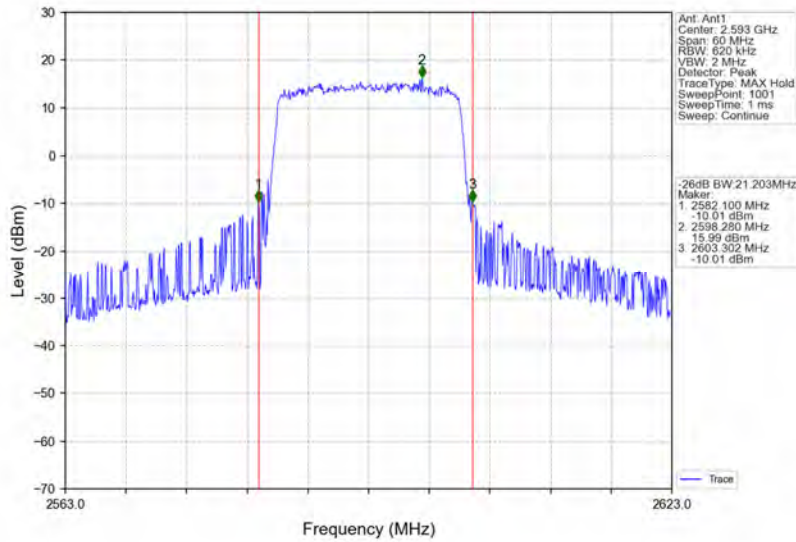
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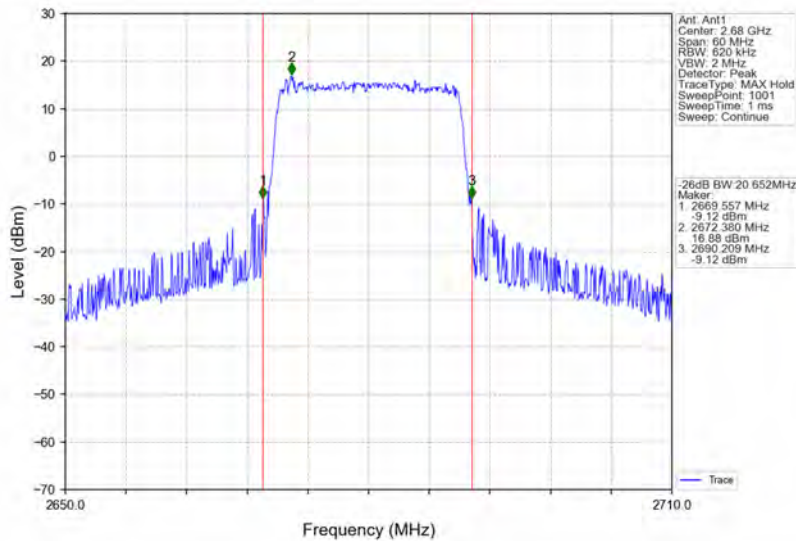


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Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



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5. Peak-Average Ratio

5.1 B41_5MHz

5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.70	<=13	Pass
	2593	25	0	7.68	<=13	Pass
	2687.5	25	0	7.72	<=13	Pass
16QAM	2498.5	25	0	8.41	<=13	Pass
	2593	25	0	8.28	<=13	Pass
	2687.5	25	0	8.23	<=13	Pass
64QAM	2498.5	25	0	8.55	<=13	Pass
	2593	25	0	8.57	<=13	Pass
	2687.5	25	0	8.56	<=13	Pass



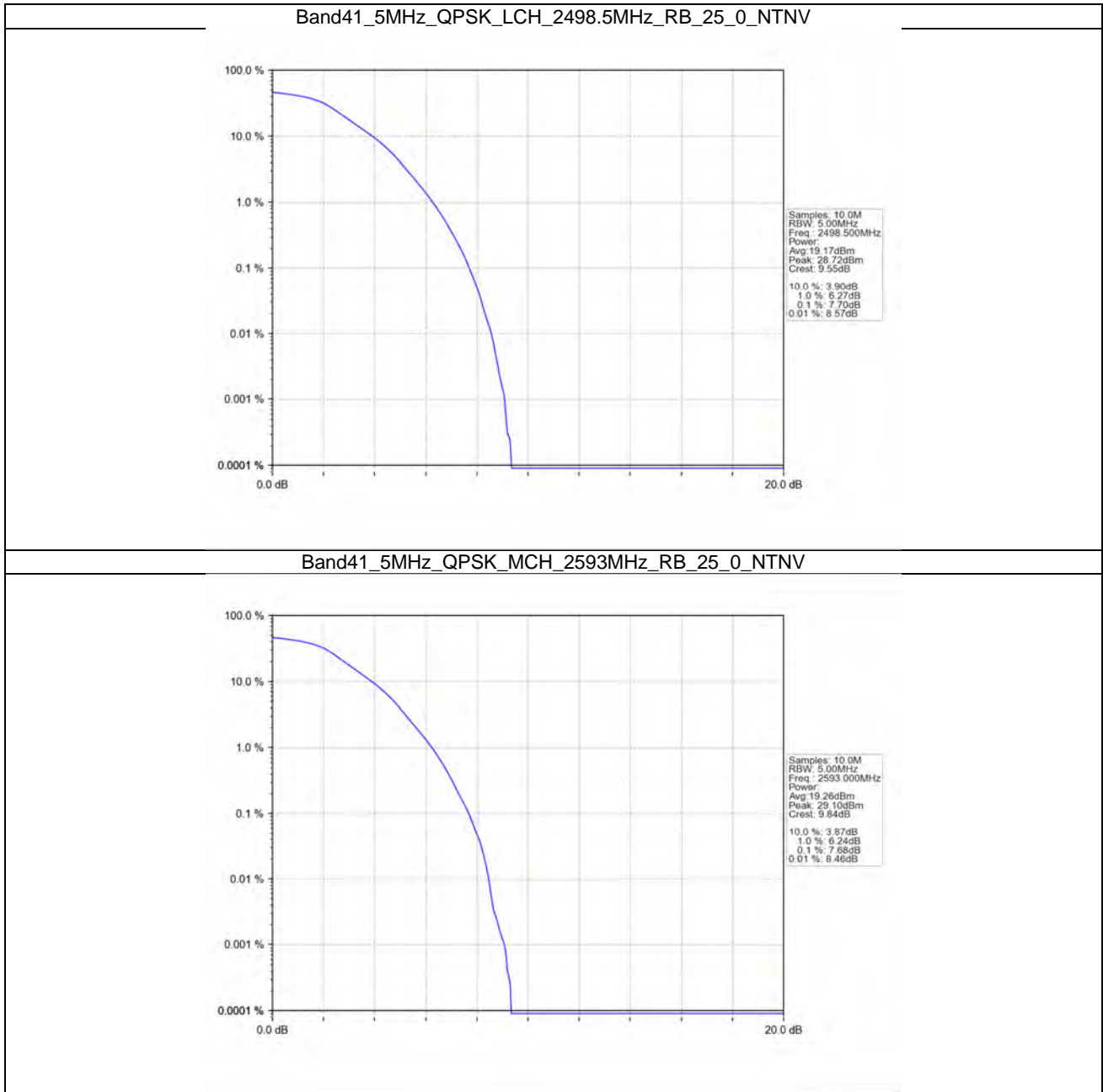
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5.1.2 Test Graph

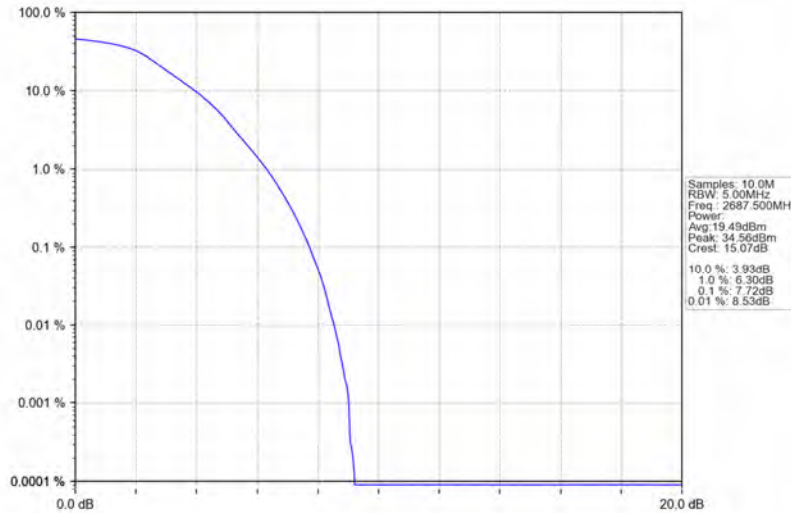


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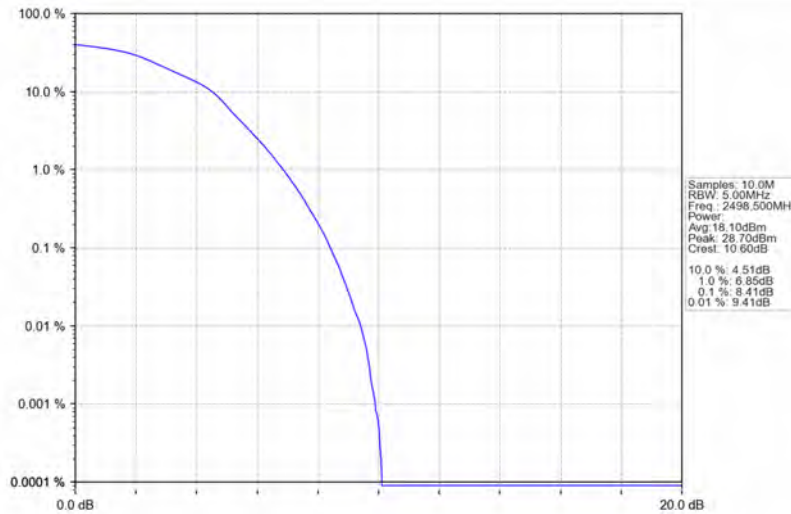
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



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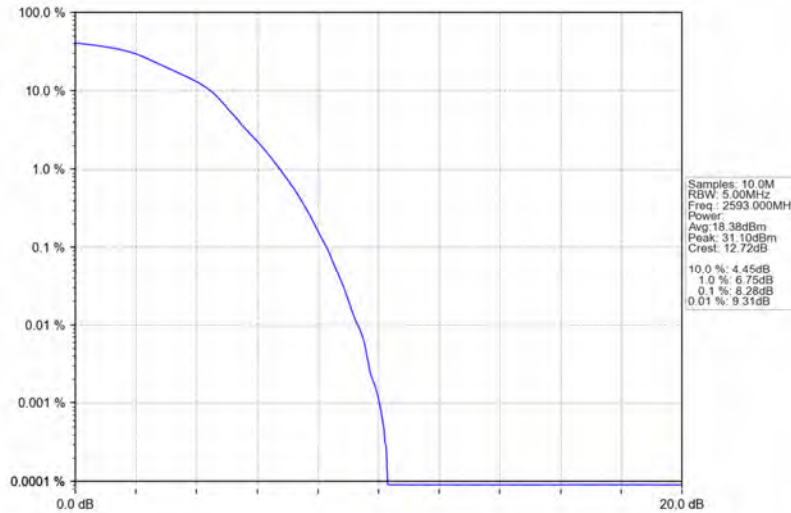
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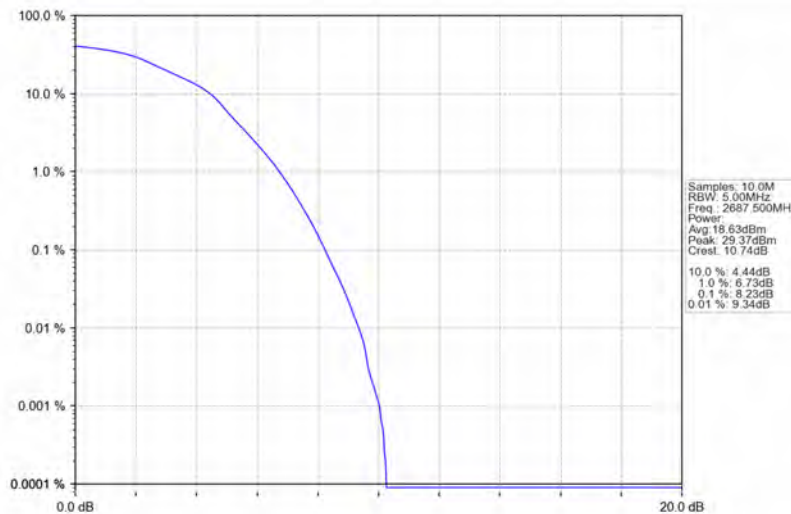


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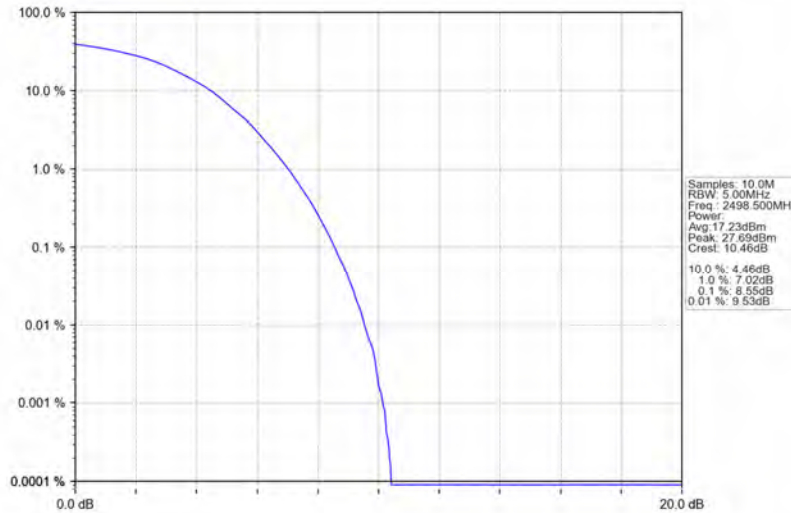
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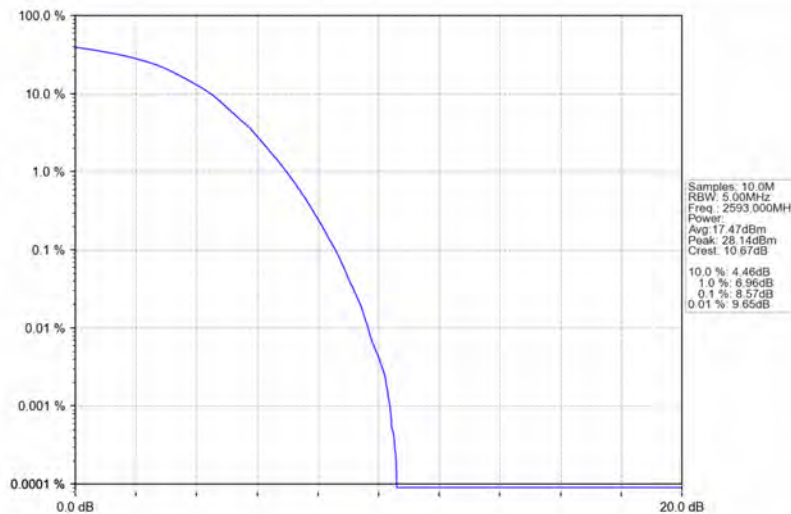
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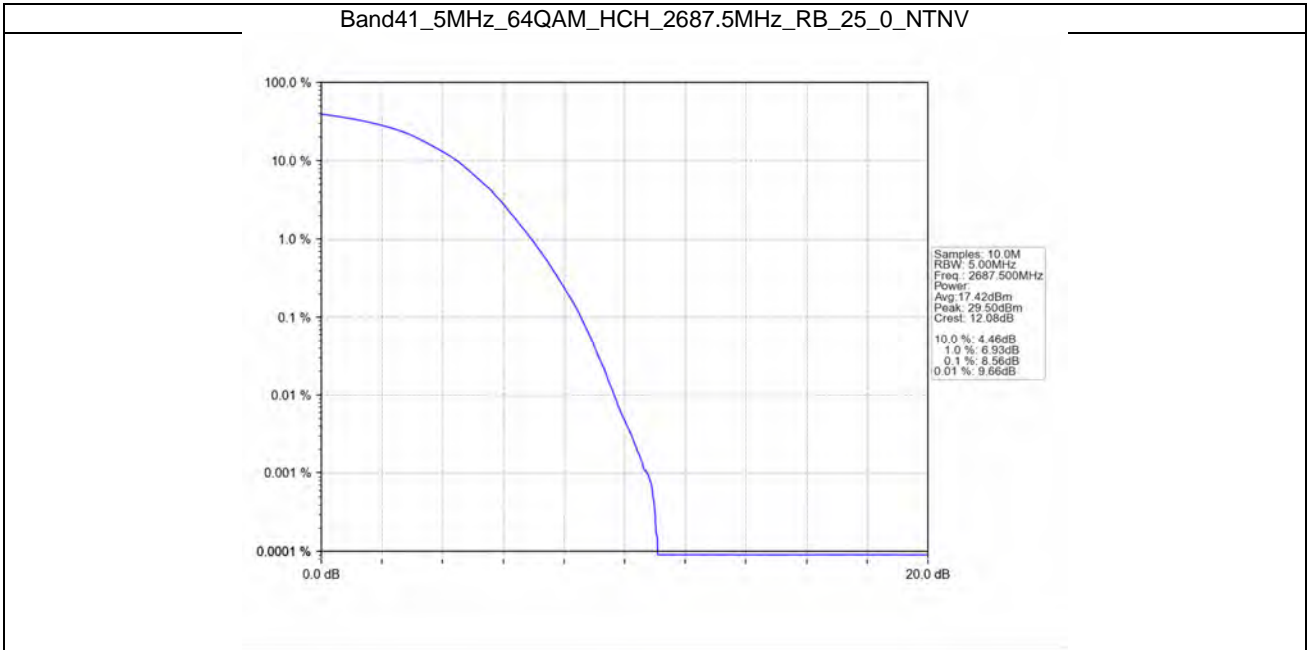
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5.2 B41_10MHz

5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	8.14	<=13	Pass
	2593	50	0	8.24	<=13	Pass
	2685	50	0	8.31	<=13	Pass
16QAM	2501	50	0	8.75	<=13	Pass
	2593	50	0	8.63	<=13	Pass
	2685	50	0	8.75	<=13	Pass
64QAM	2501	50	0	9.02	<=13	Pass
	2593	50	0	8.93	<=13	Pass
	2685	50	0	9.01	<=13	Pass



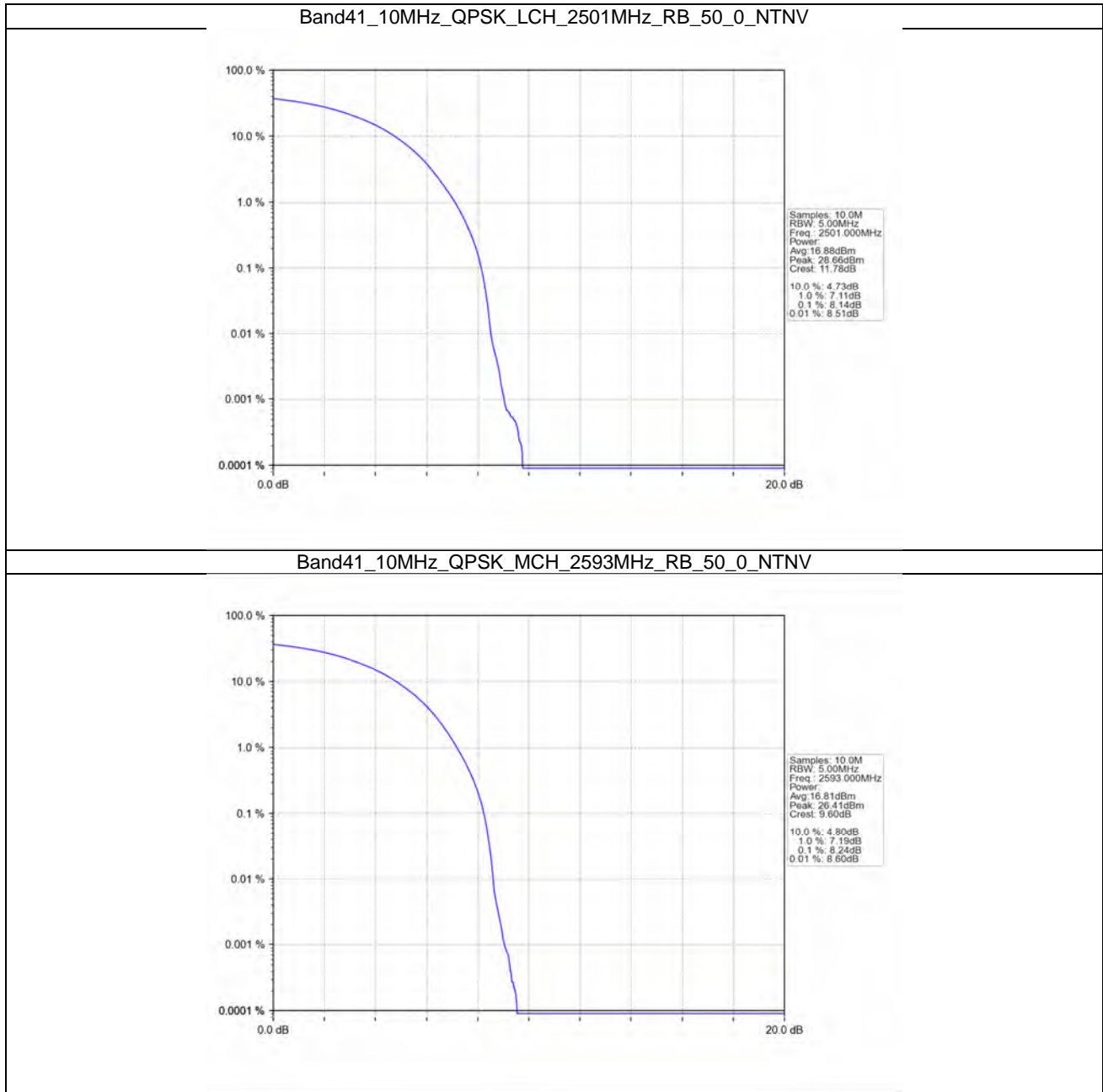
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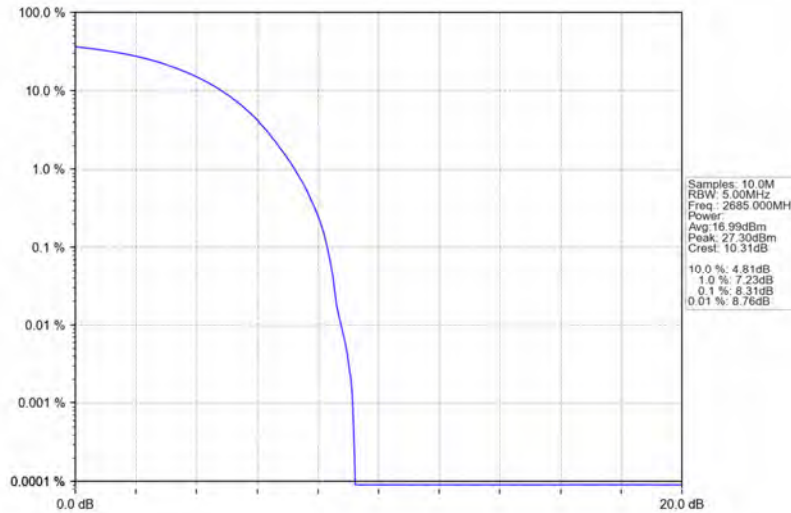
5.2.2 Test Graph



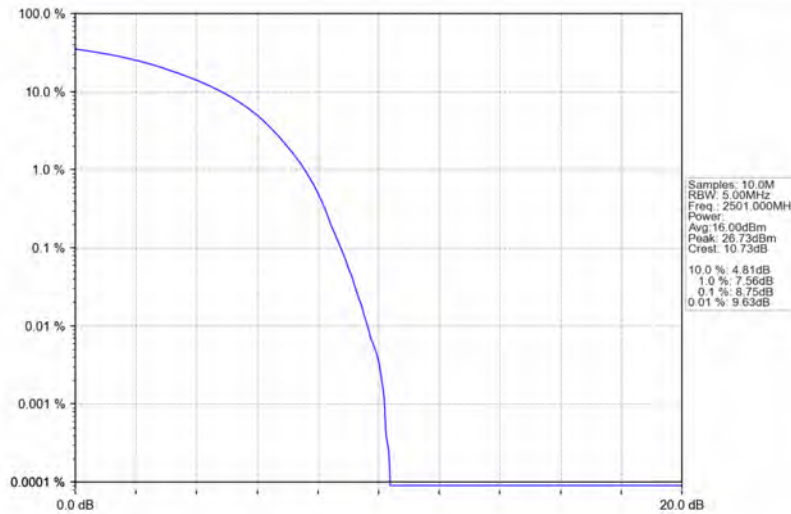
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Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



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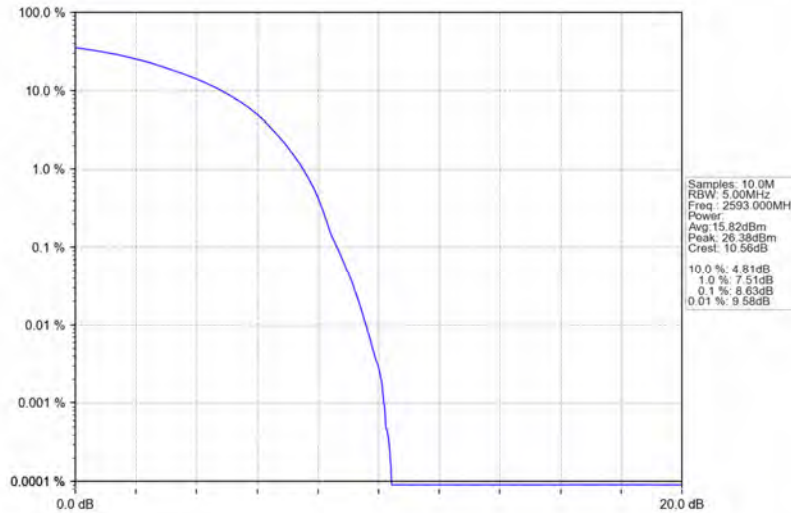
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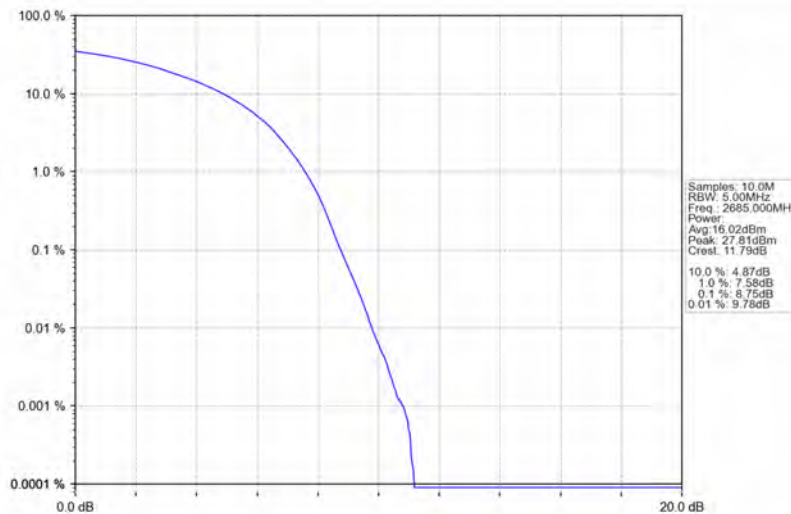
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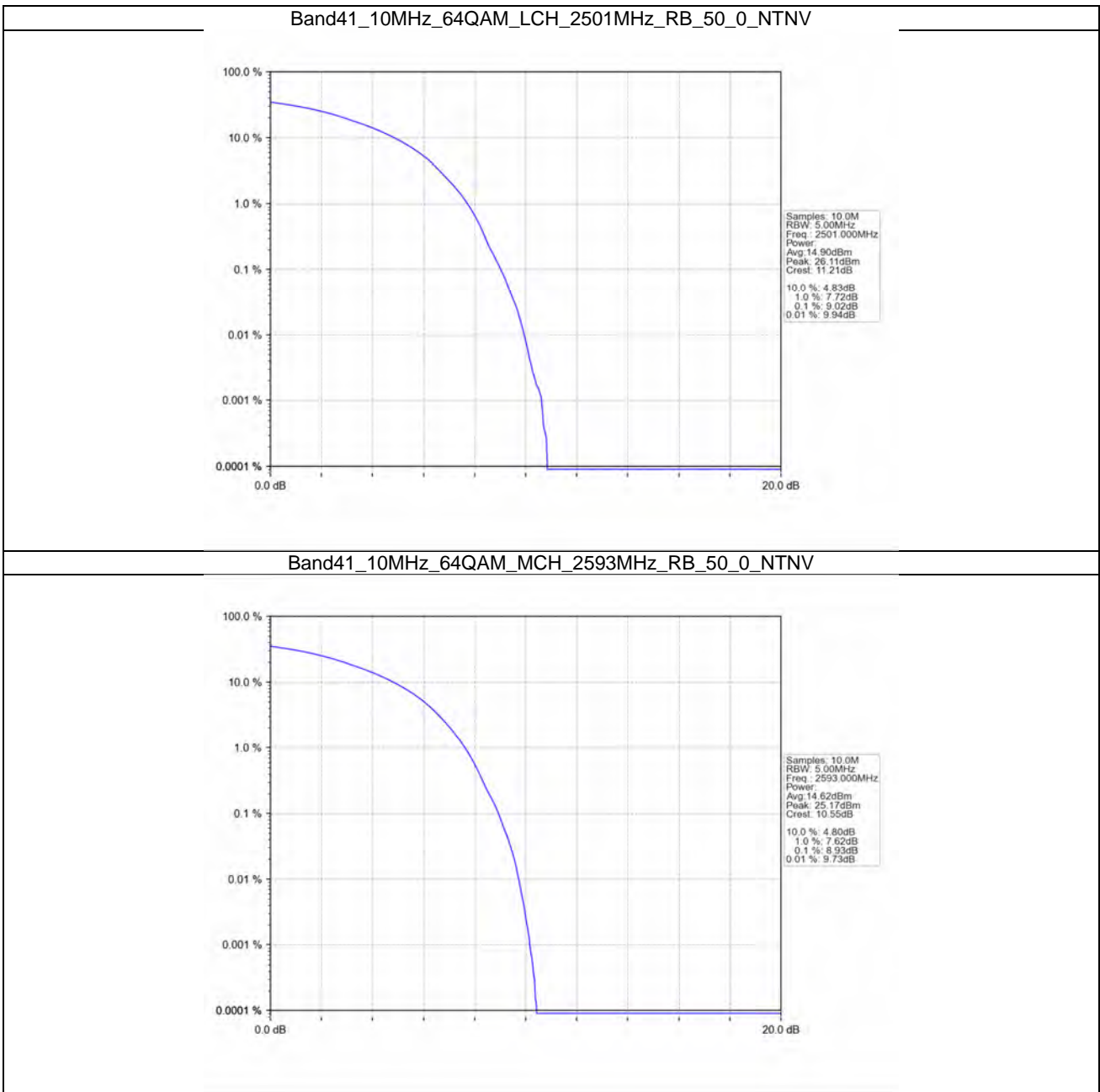
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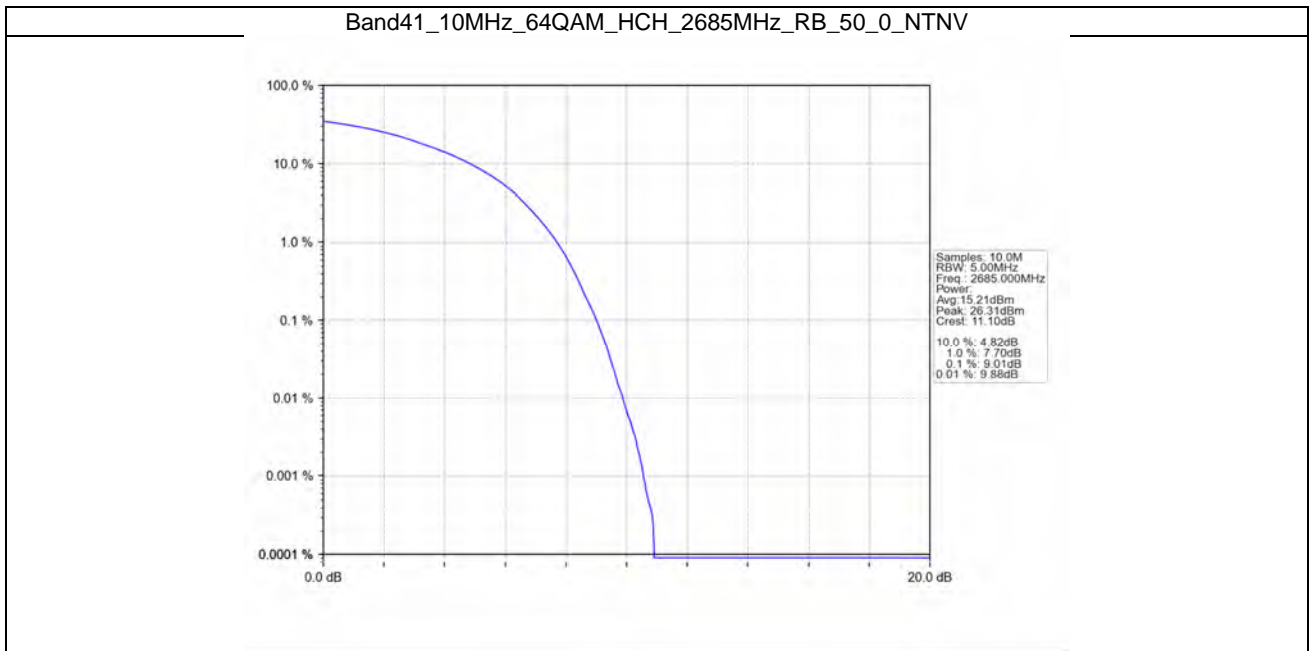
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5.3 B41_15MHz

5.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	8.66	<=13	Pass
	2593	75	0	8.60	<=13	Pass
	2682.5	75	0	8.53	<=13	Pass
16QAM	2503.5	75	0	9.27	<=13	Pass
	2593	75	0	9.29	<=13	Pass
	2682.5	75	0	9.26	<=13	Pass
64QAM	2503.5	75	0	9.40	<=13	Pass
	2593	75	0	9.37	<=13	Pass
	2682.5	75	0	9.34	<=13	Pass



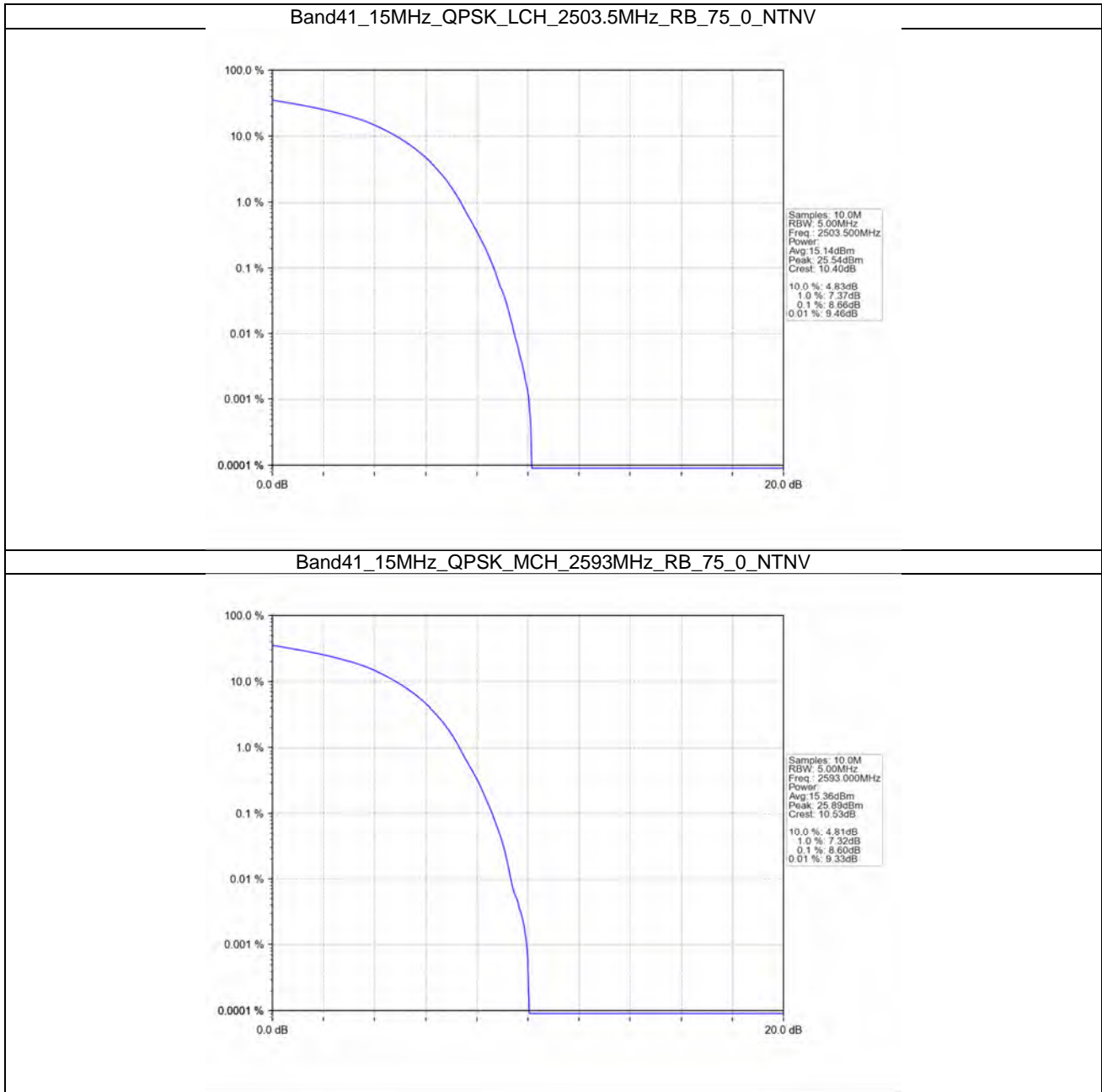
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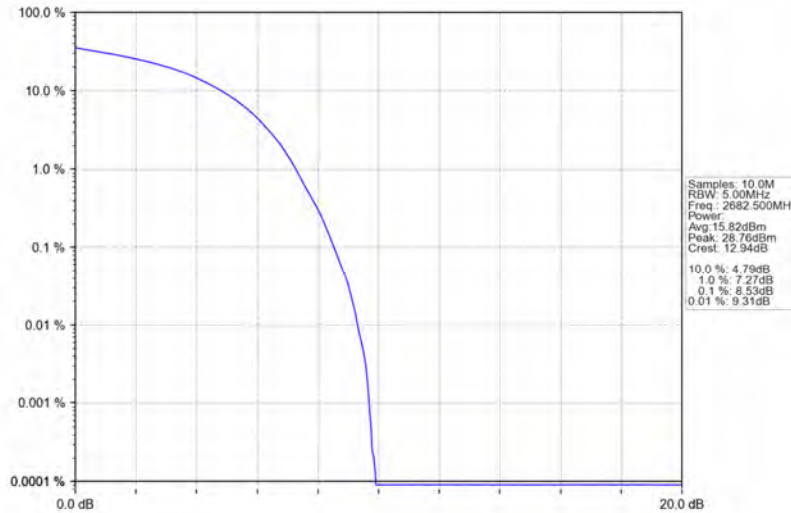
5.3.2 Test Graph



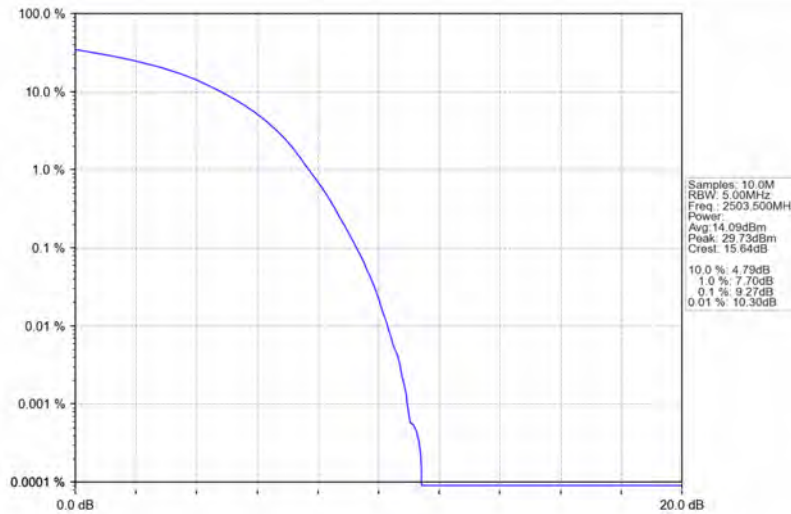
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Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



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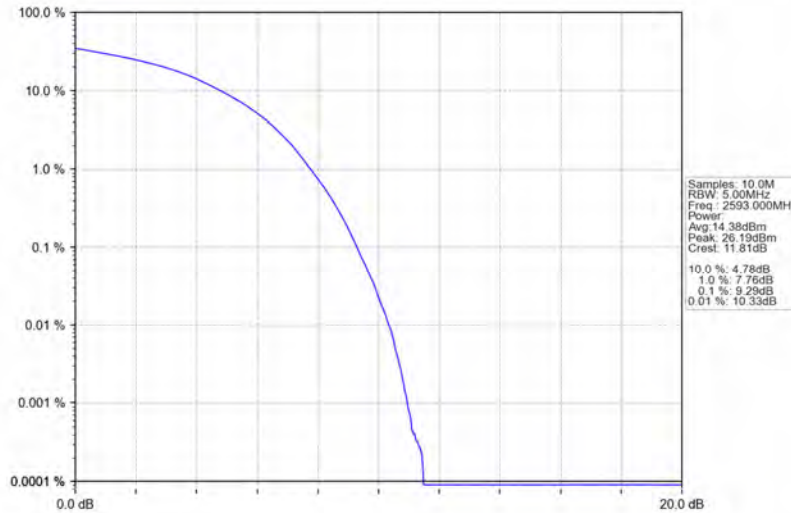
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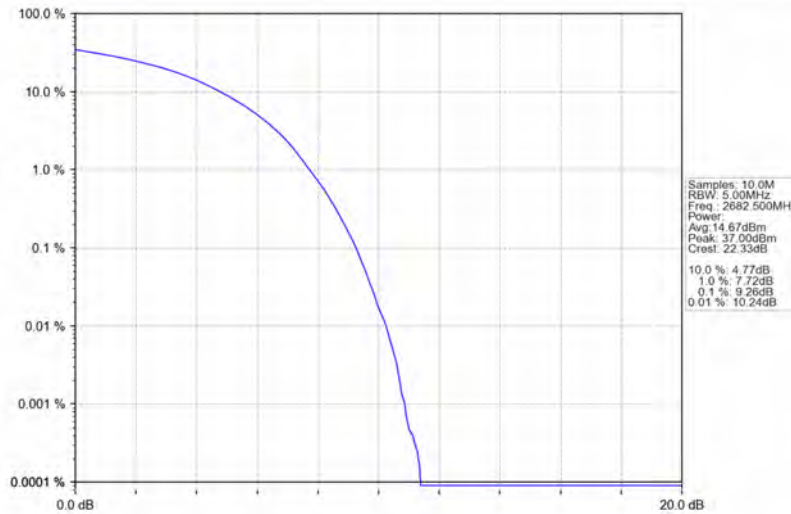
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Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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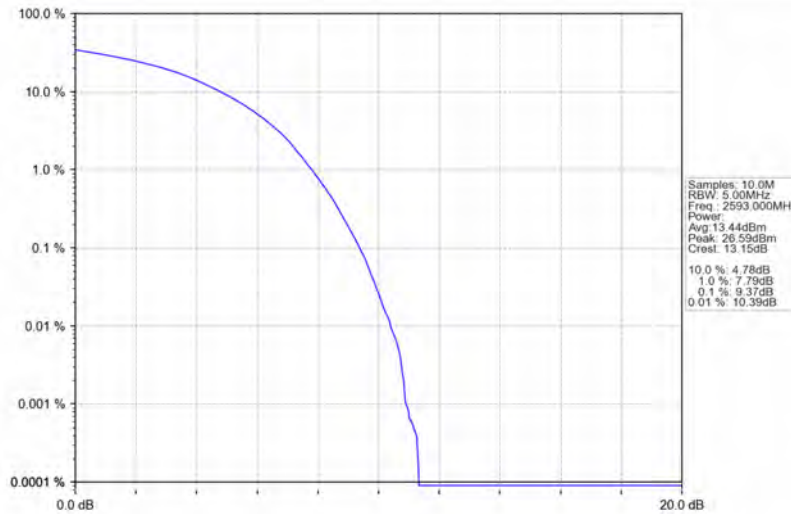


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Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV



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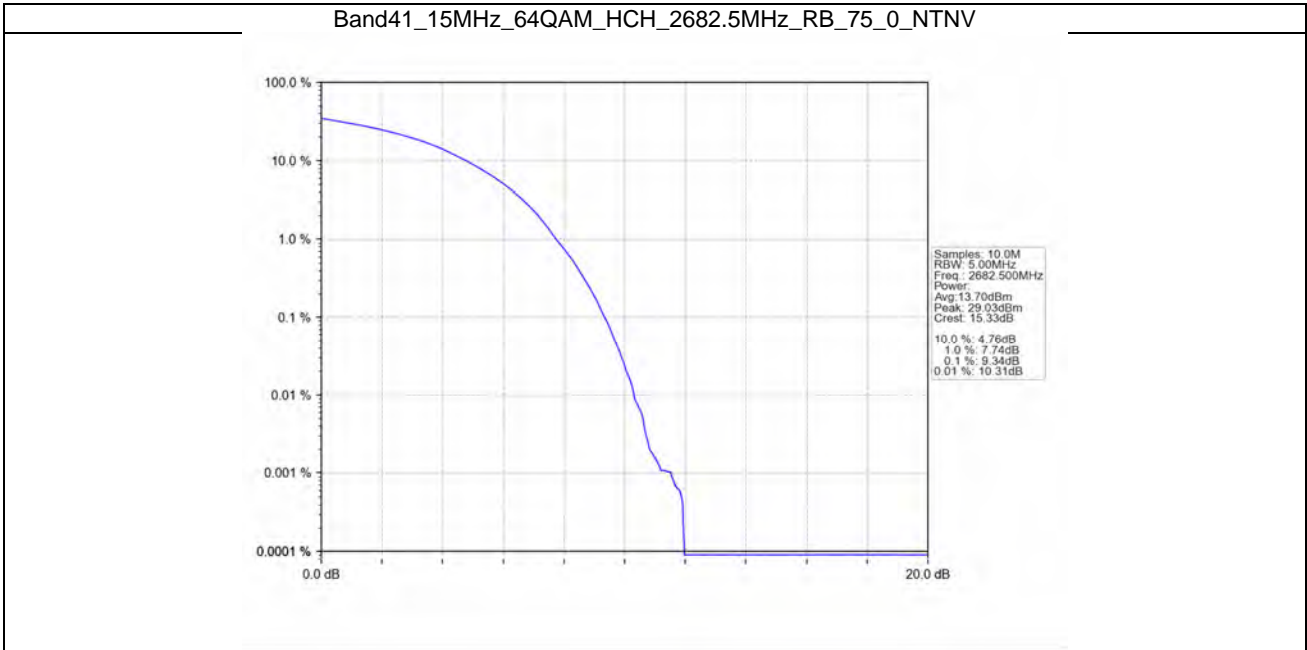
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5.4 B41_20MHz

5.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	9.16	<=13	Pass
	2593	100	0	8.99	<=13	Pass
	2680	100	0	9.00	<=13	Pass
16QAM	2506	100	0	9.49	<=13	Pass
	2593	100	0	9.43	<=13	Pass
	2680	100	0	9.41	<=13	Pass
64QAM	2506	100	0	9.58	<=13	Pass
	2593	100	0	9.50	<=13	Pass
	2680	100	0	9.49	<=13	Pass



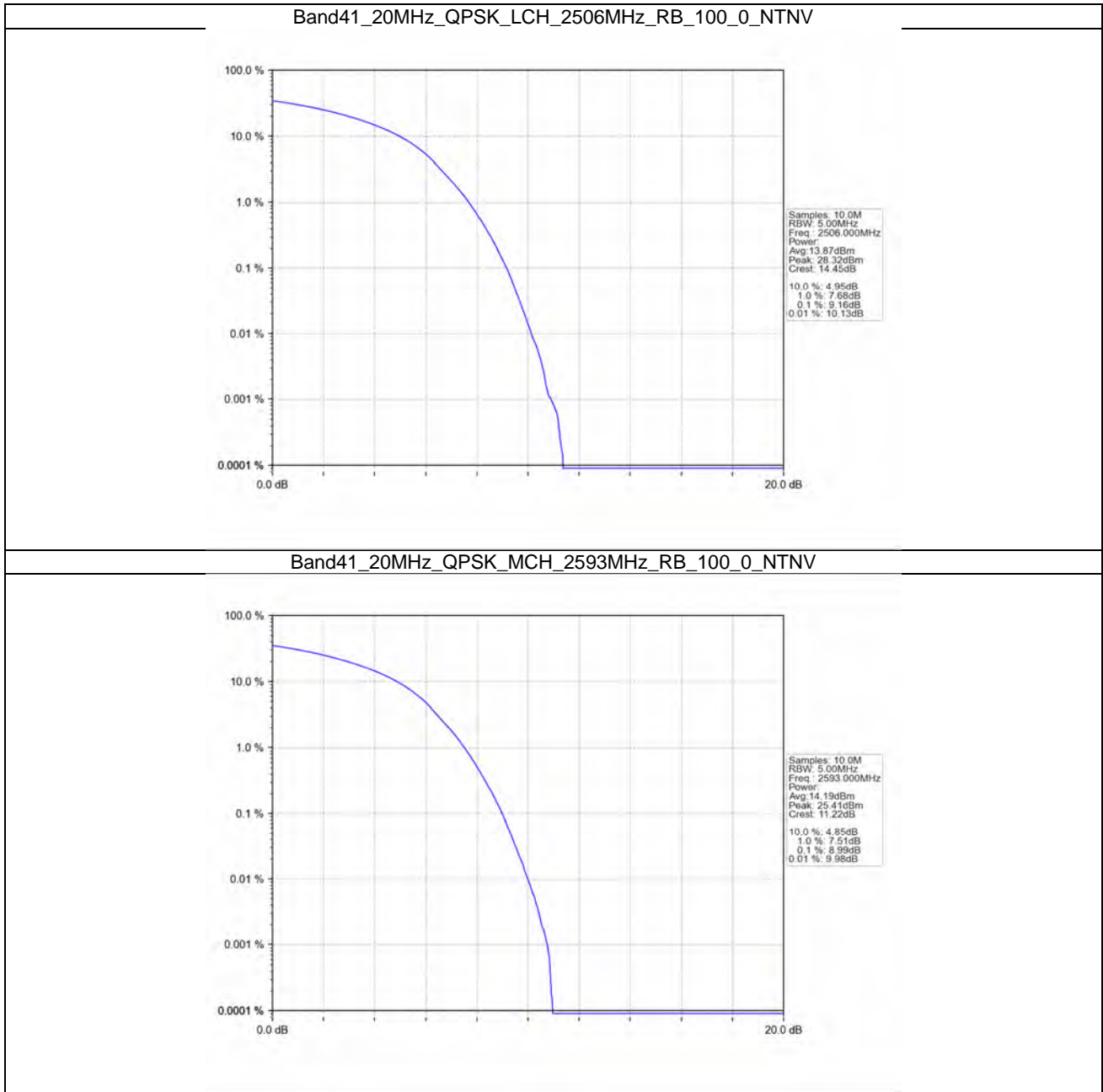
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5.4.2 Test Graph

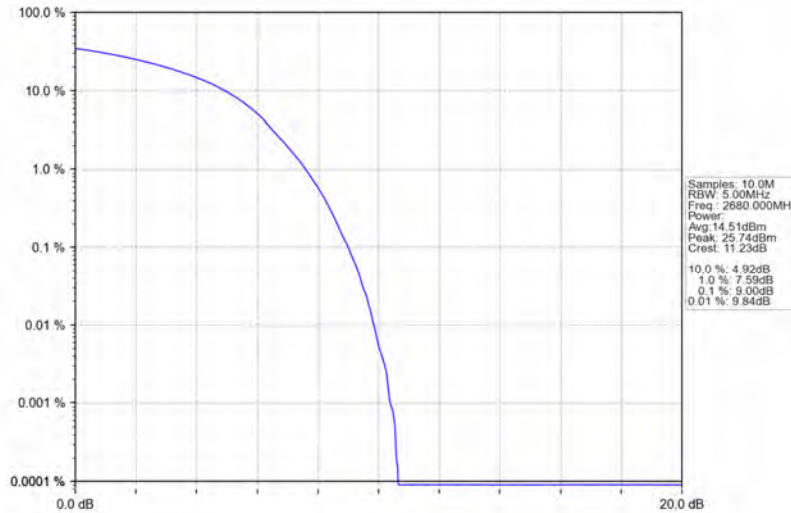


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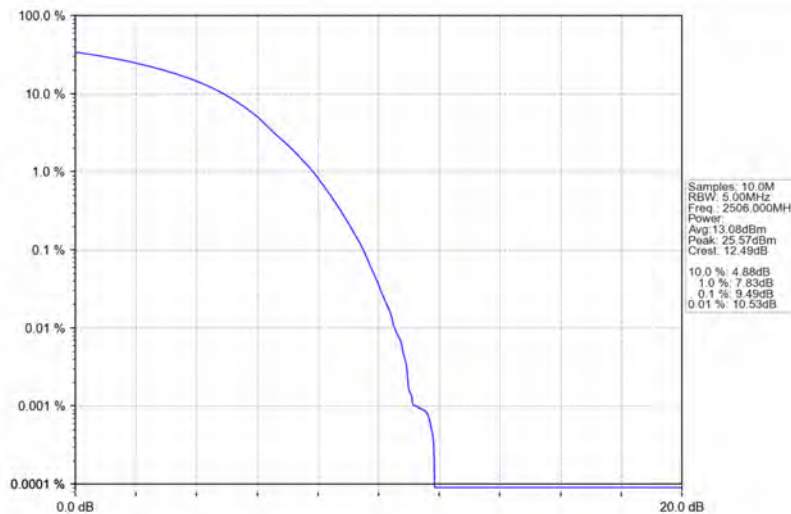
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Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



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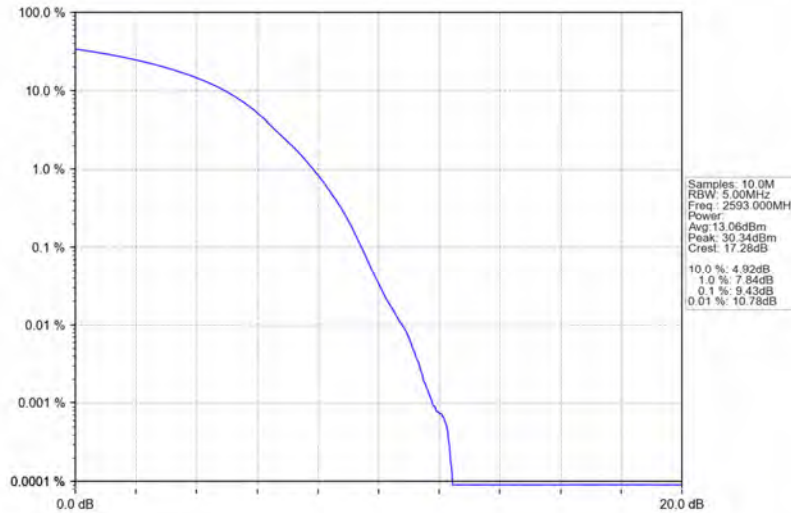
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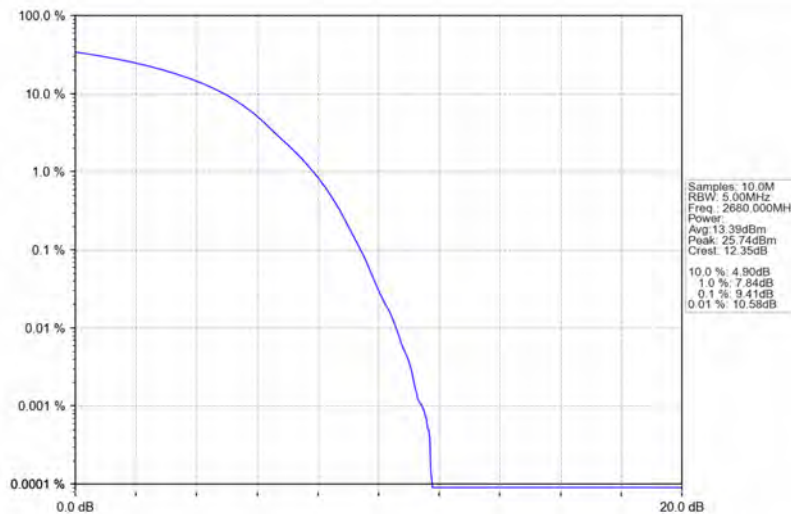
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Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



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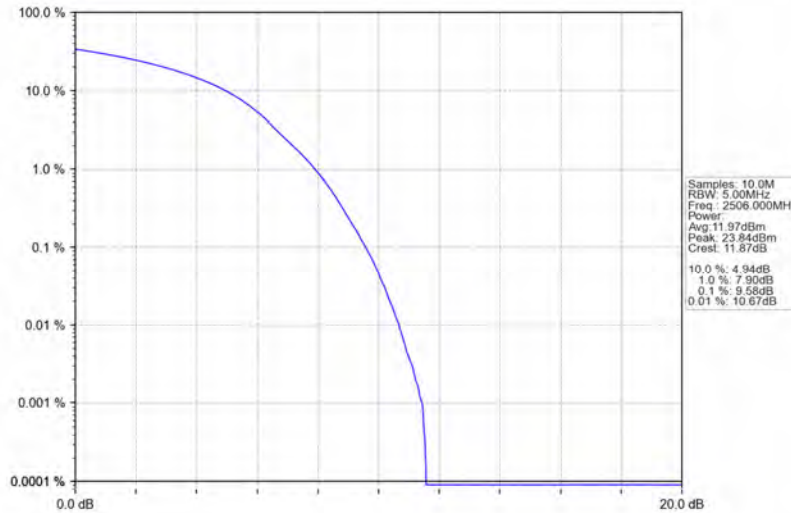
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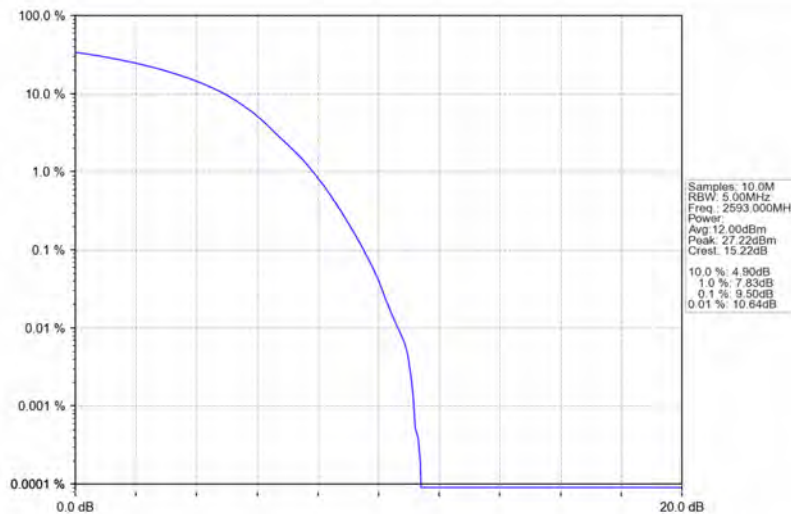
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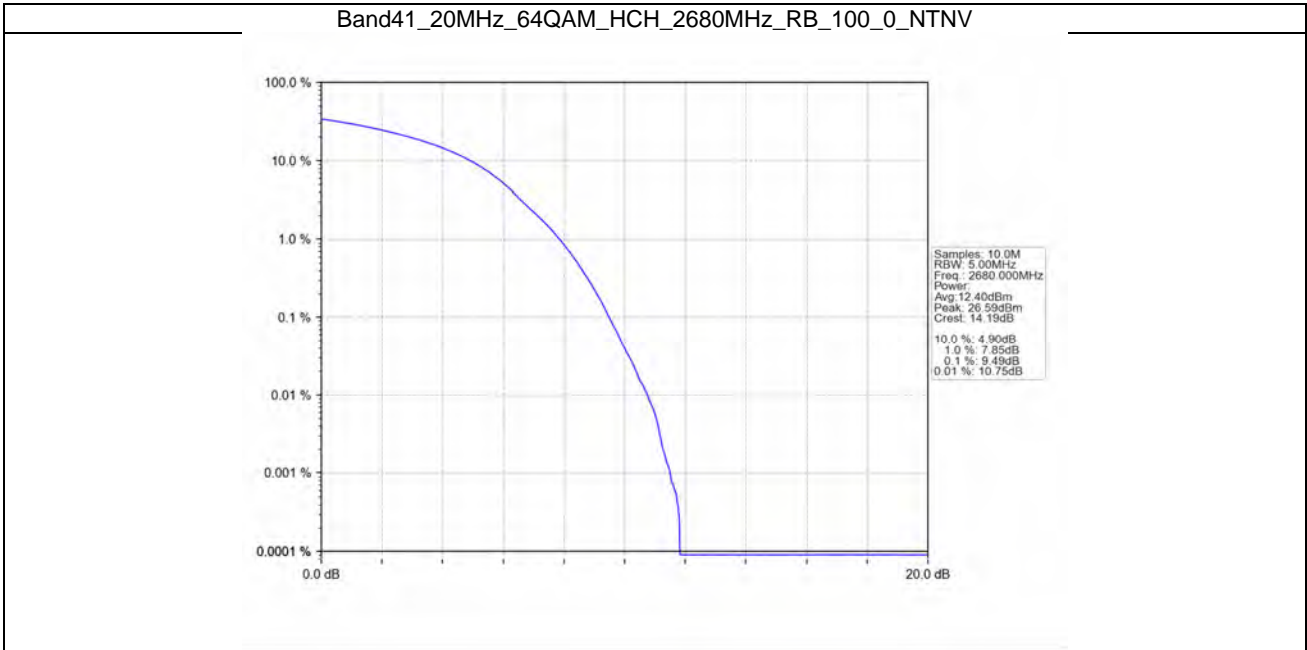
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6. Spurious Emission

6.1 B41_5MHz

6.1.1 Test Result

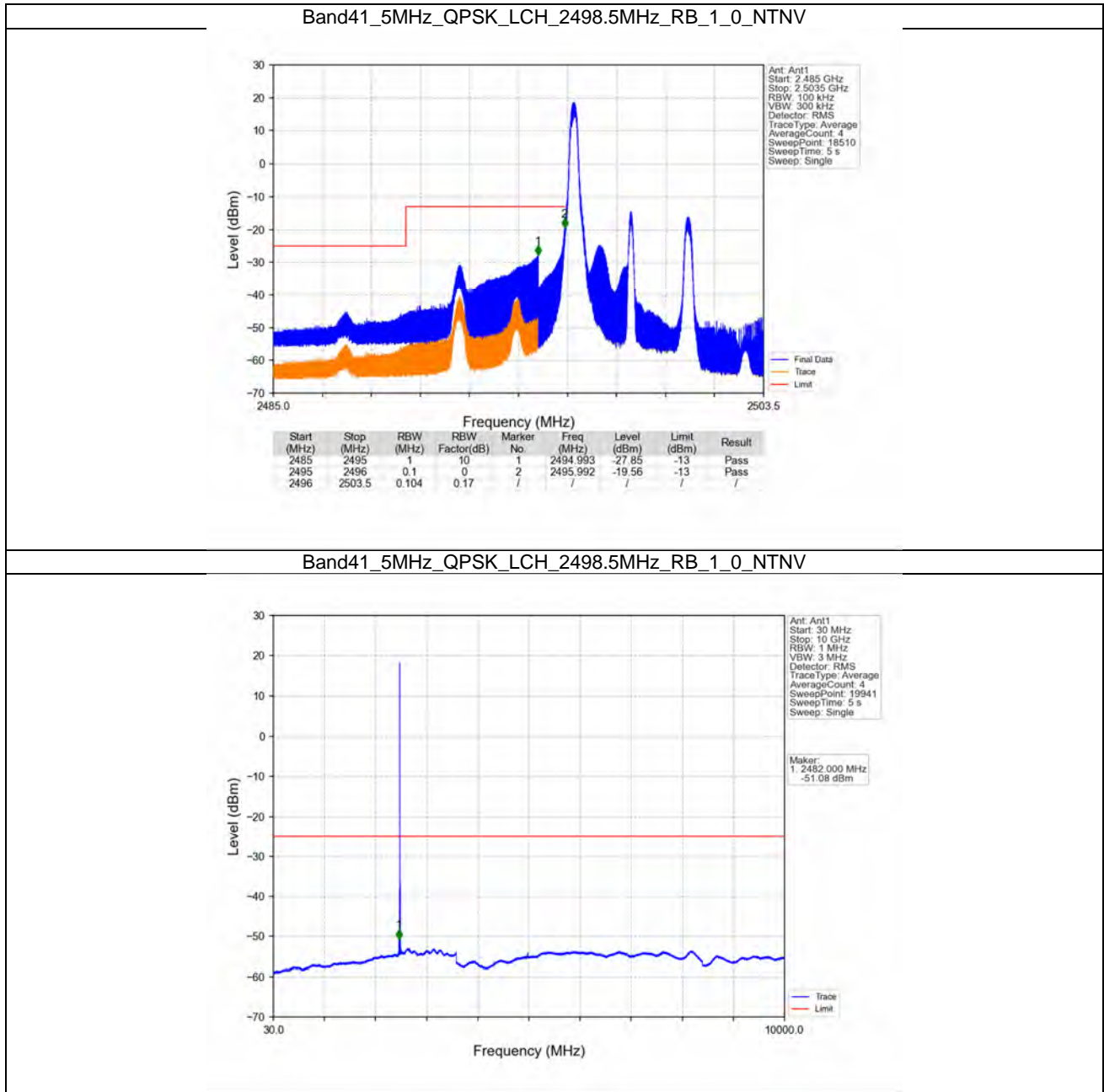
Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
	25	0	Refer To Test Graph		Pass	
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
	25	0	Refer To Test Graph		Pass	
64QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	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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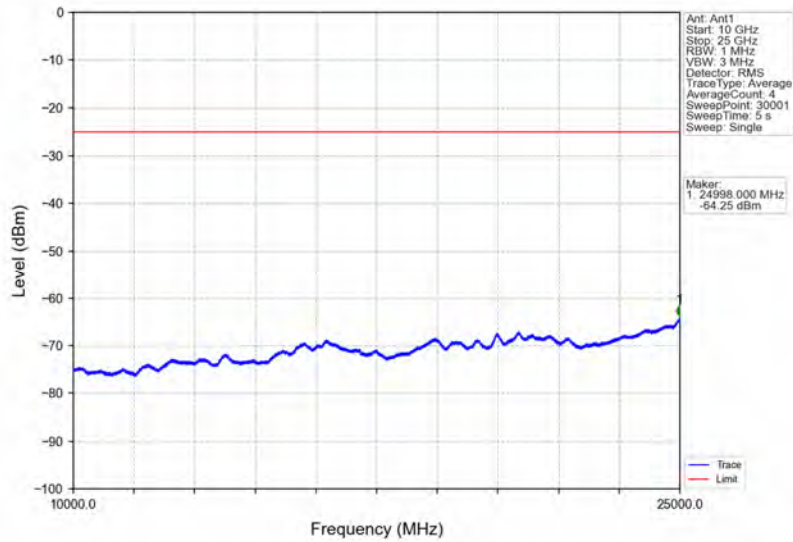
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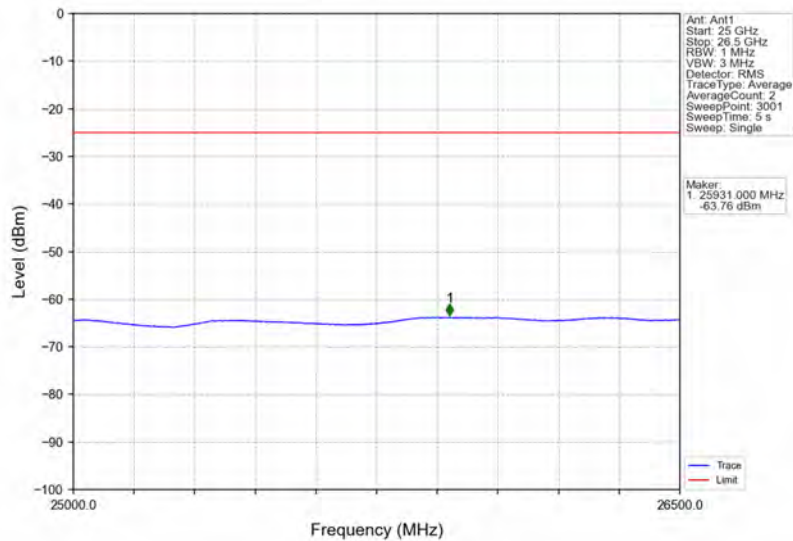
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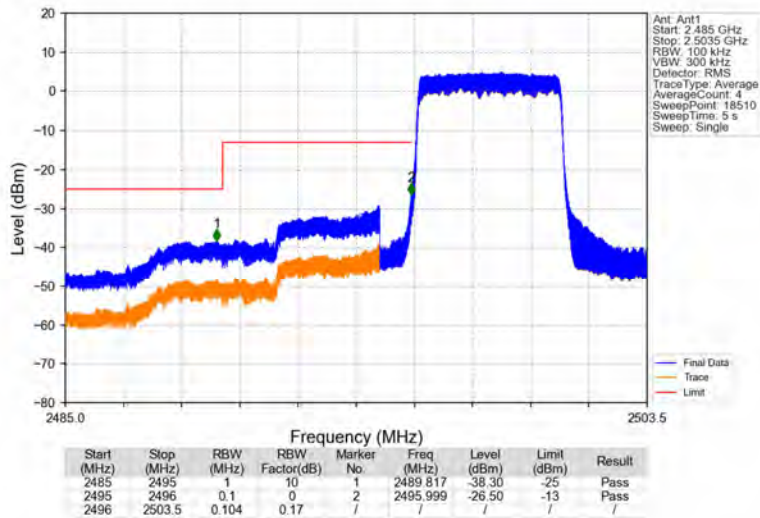
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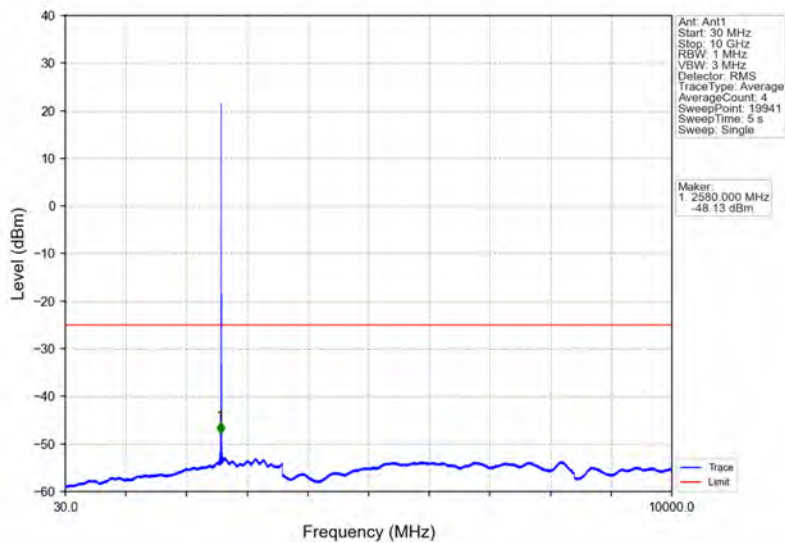


Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

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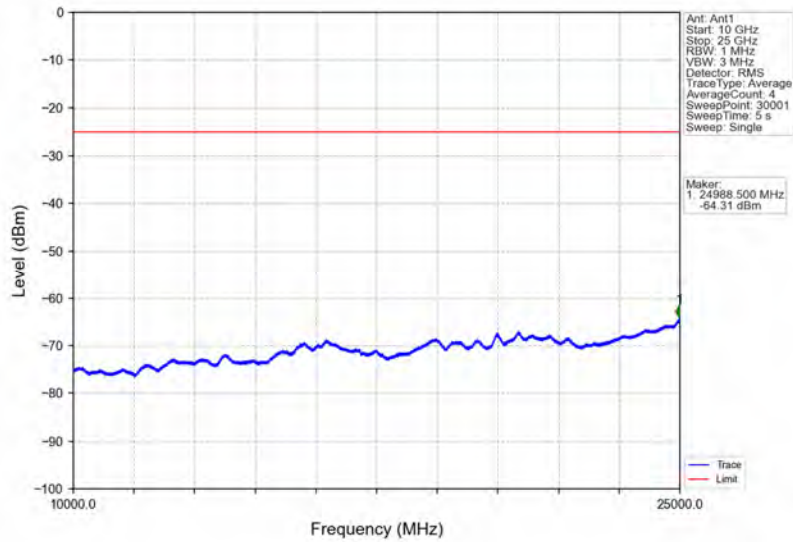
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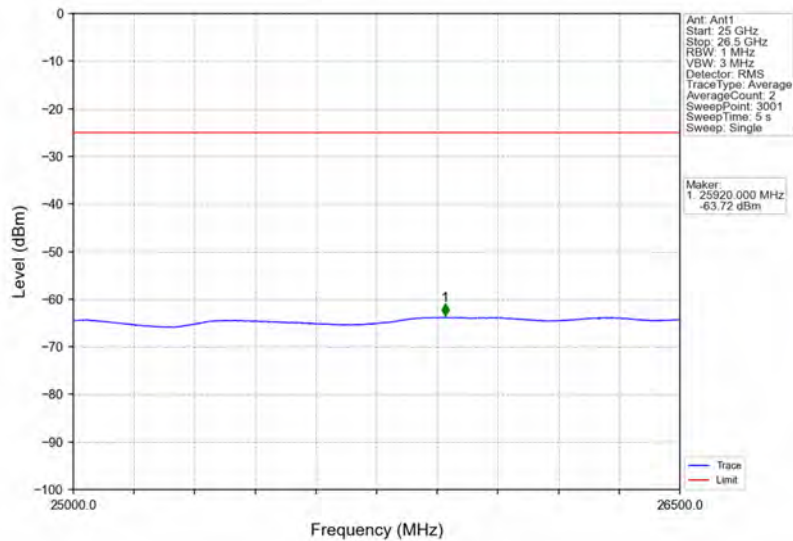
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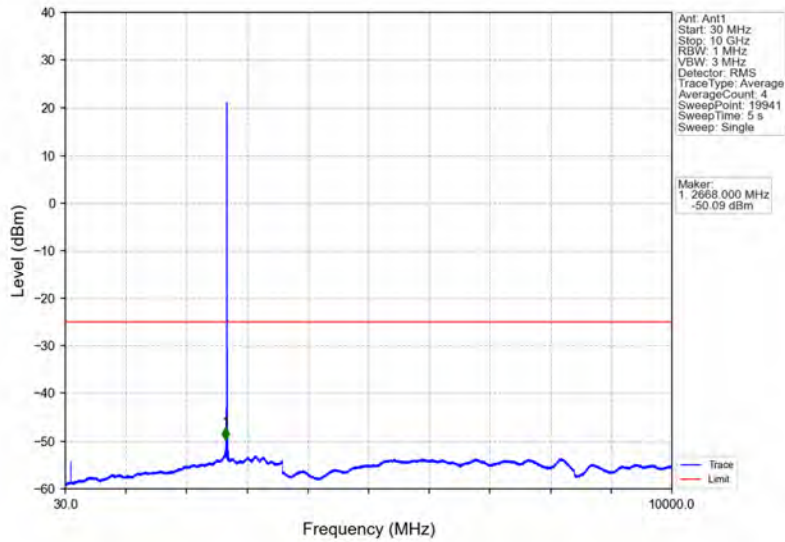
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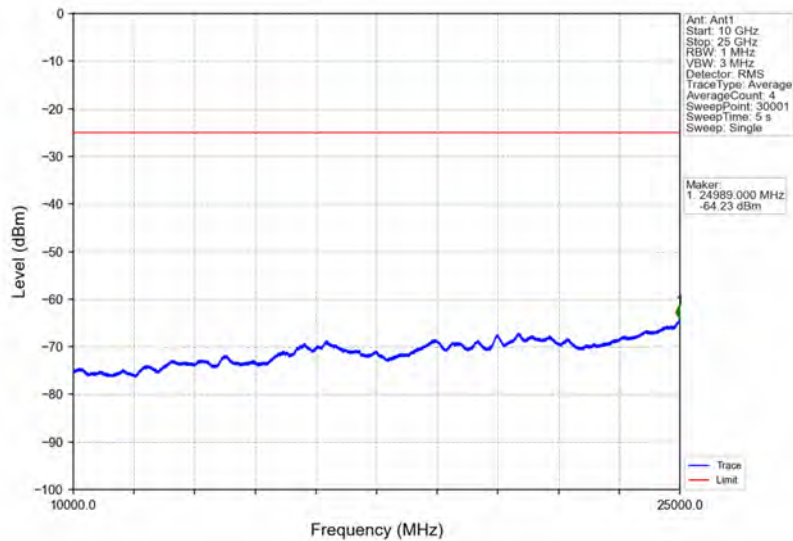
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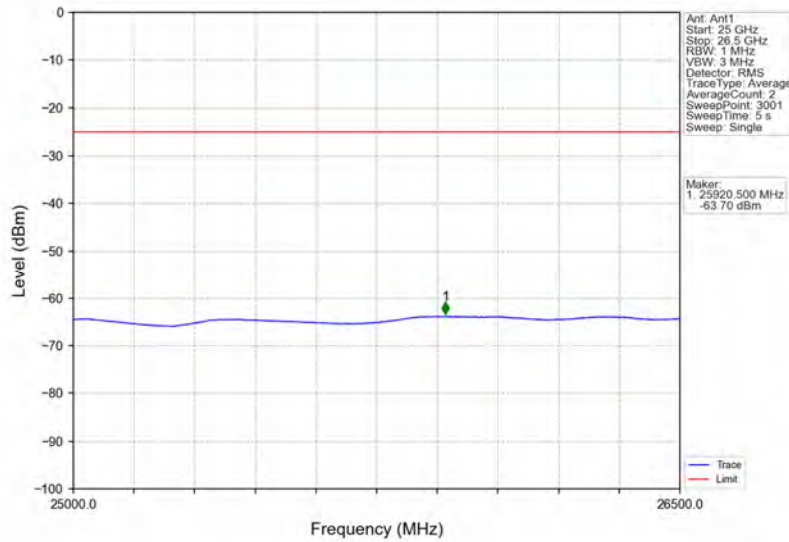
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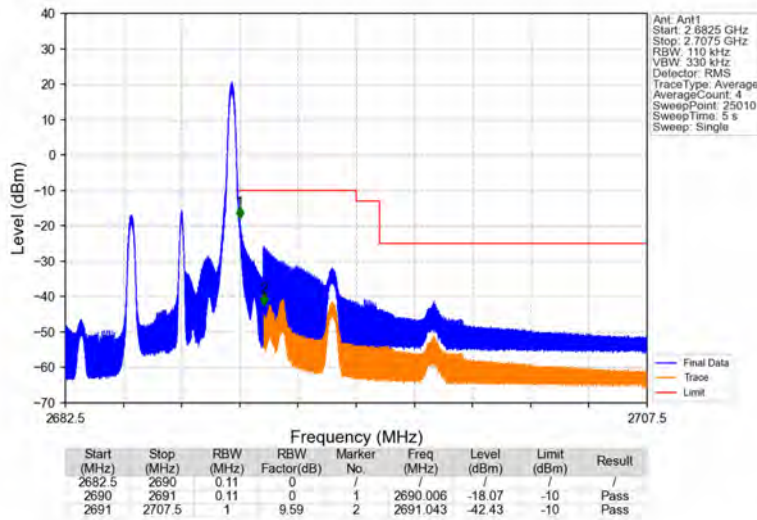
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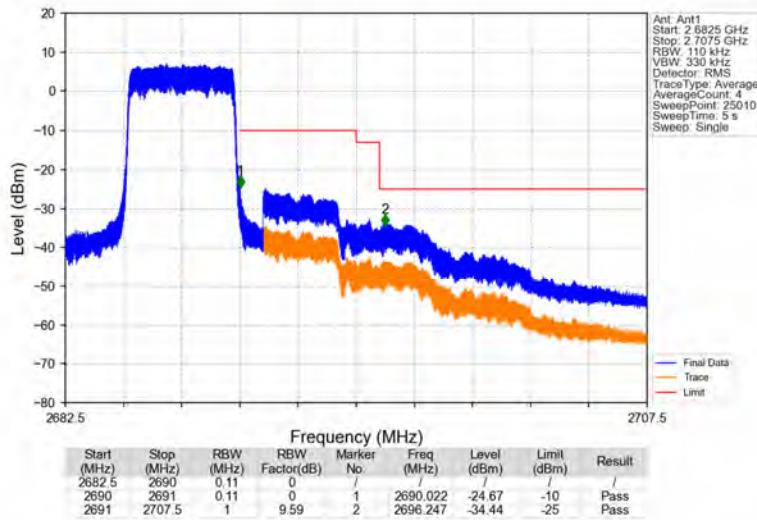
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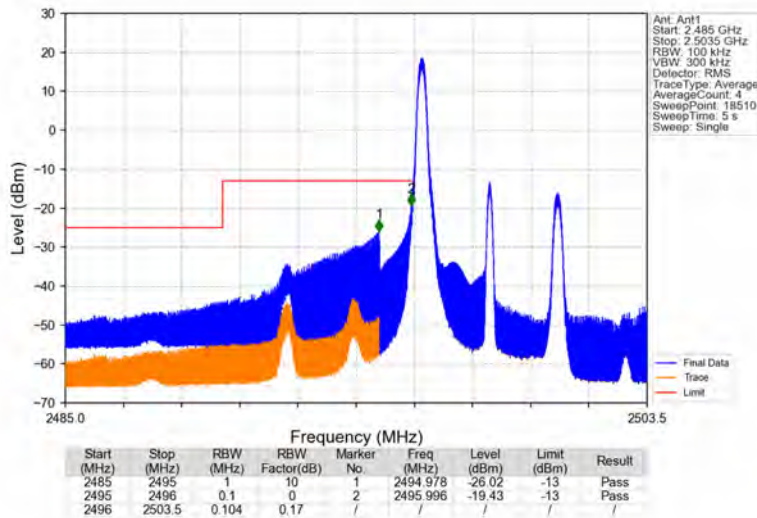
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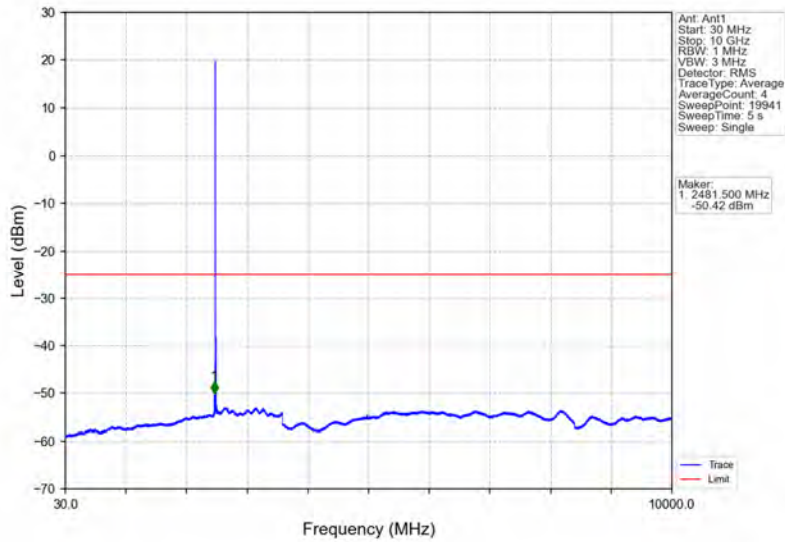
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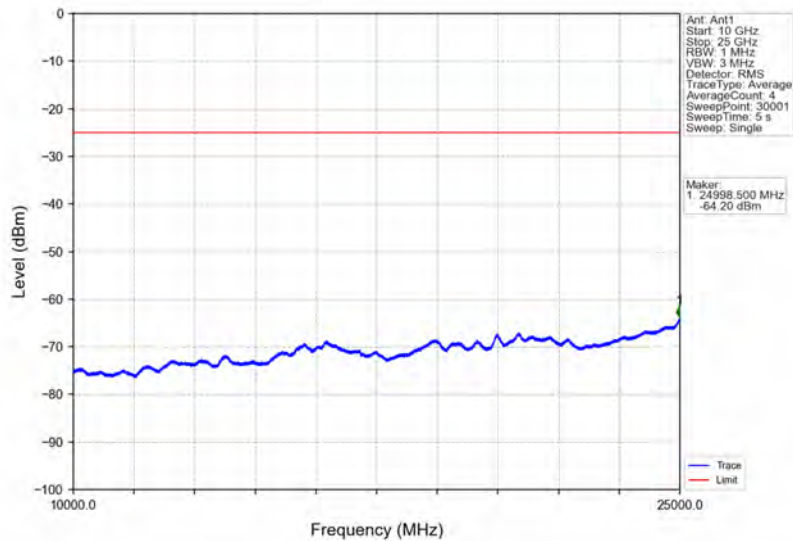
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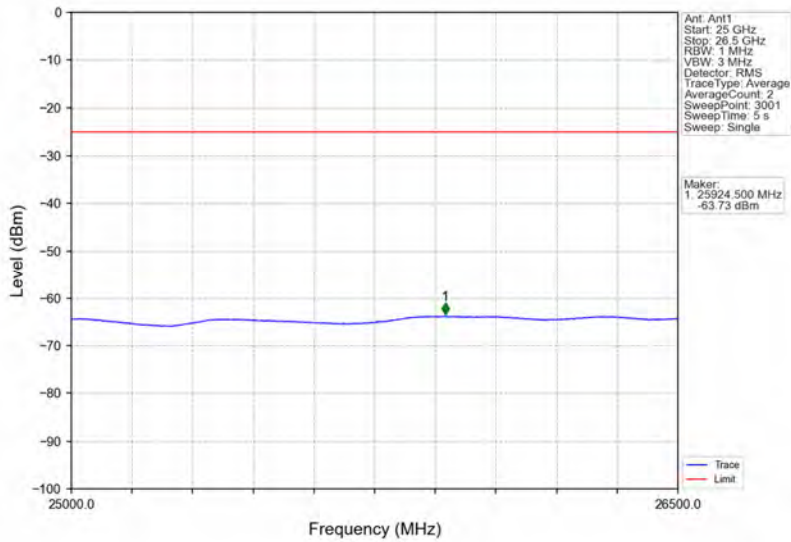
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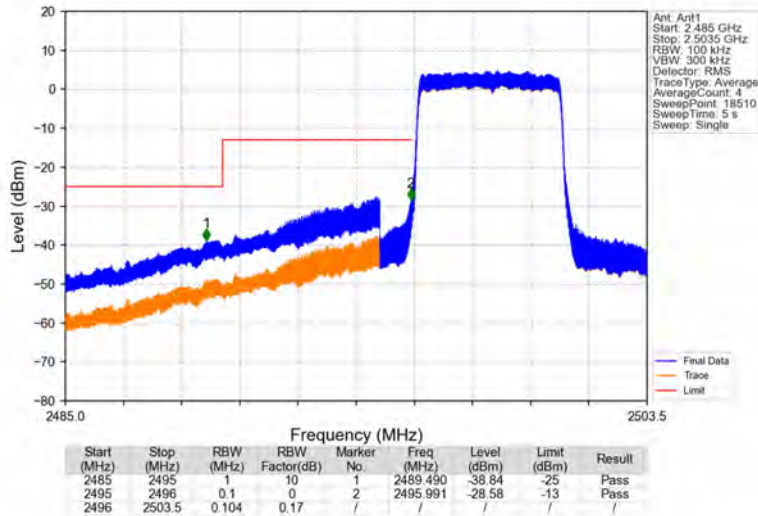
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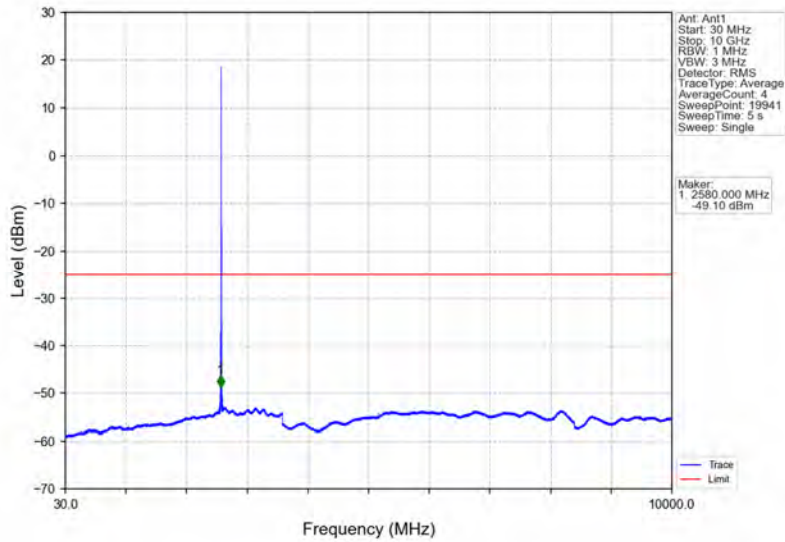
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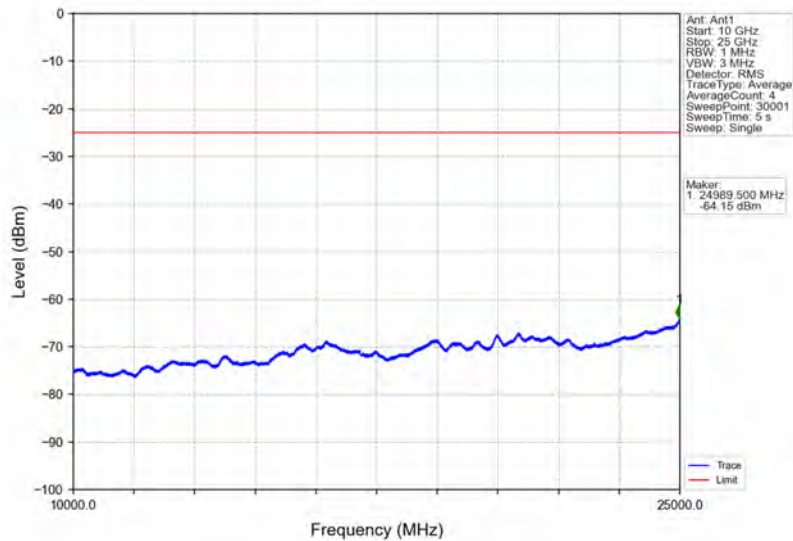
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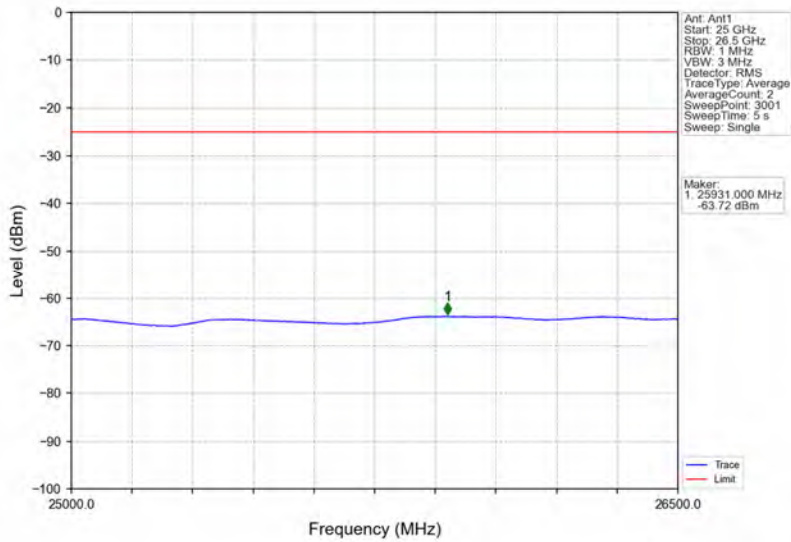
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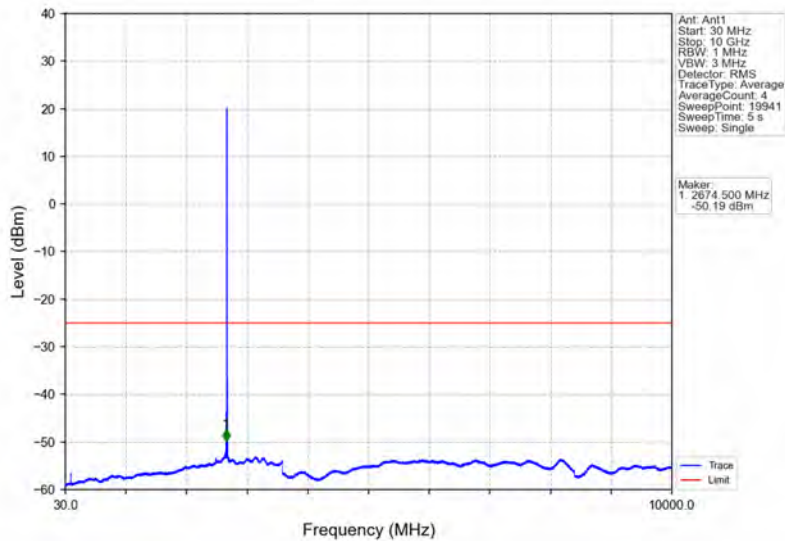
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Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



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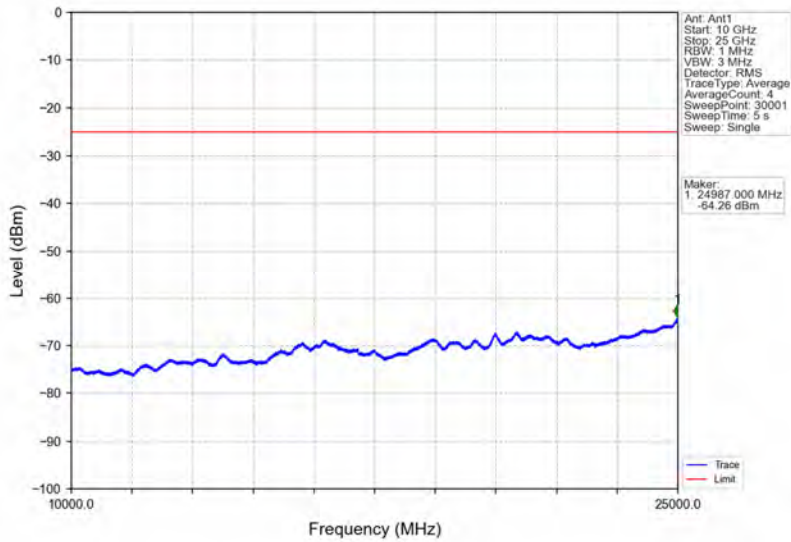
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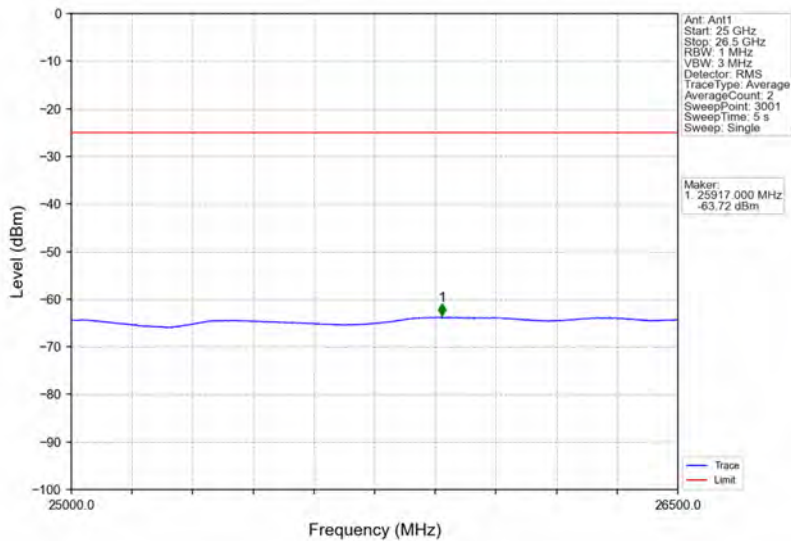


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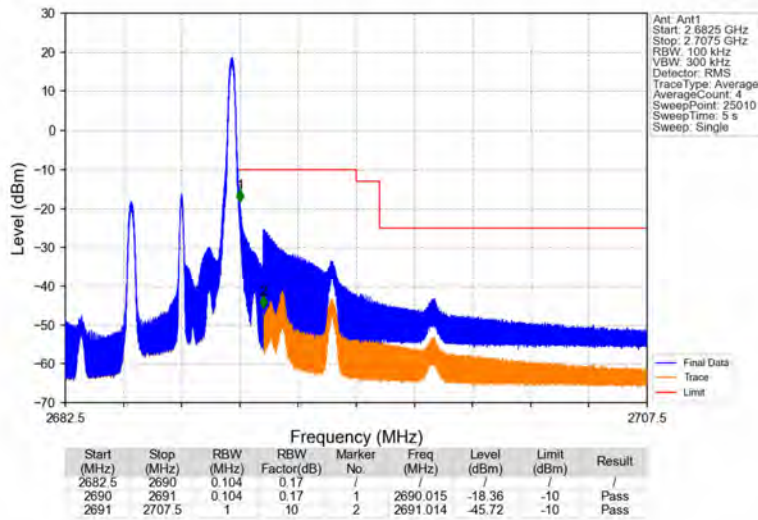
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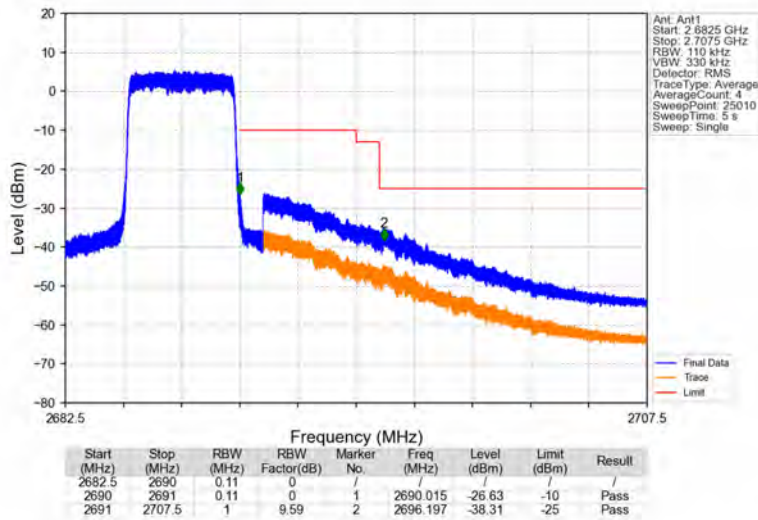


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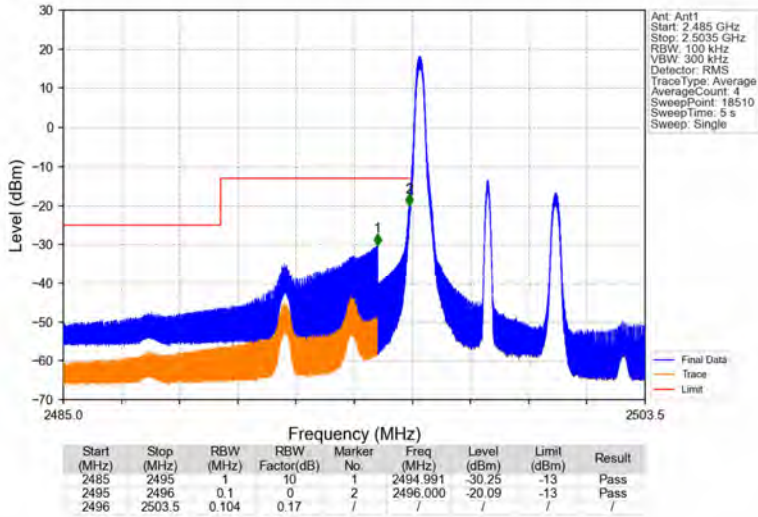
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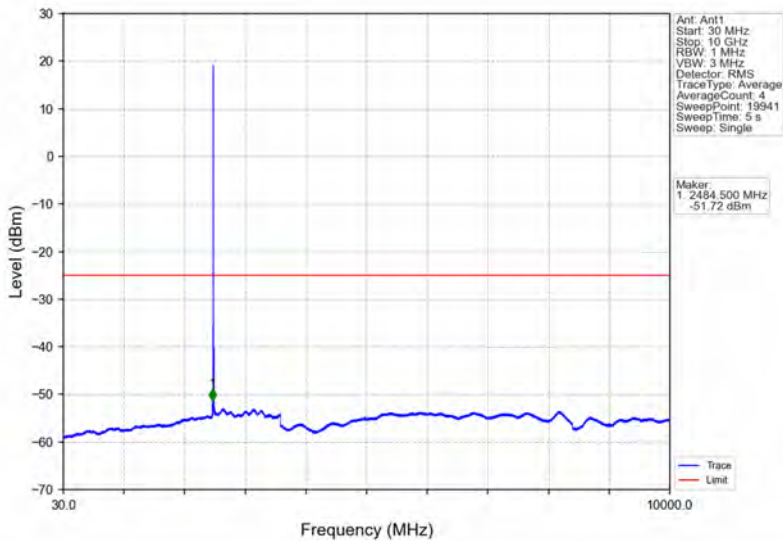
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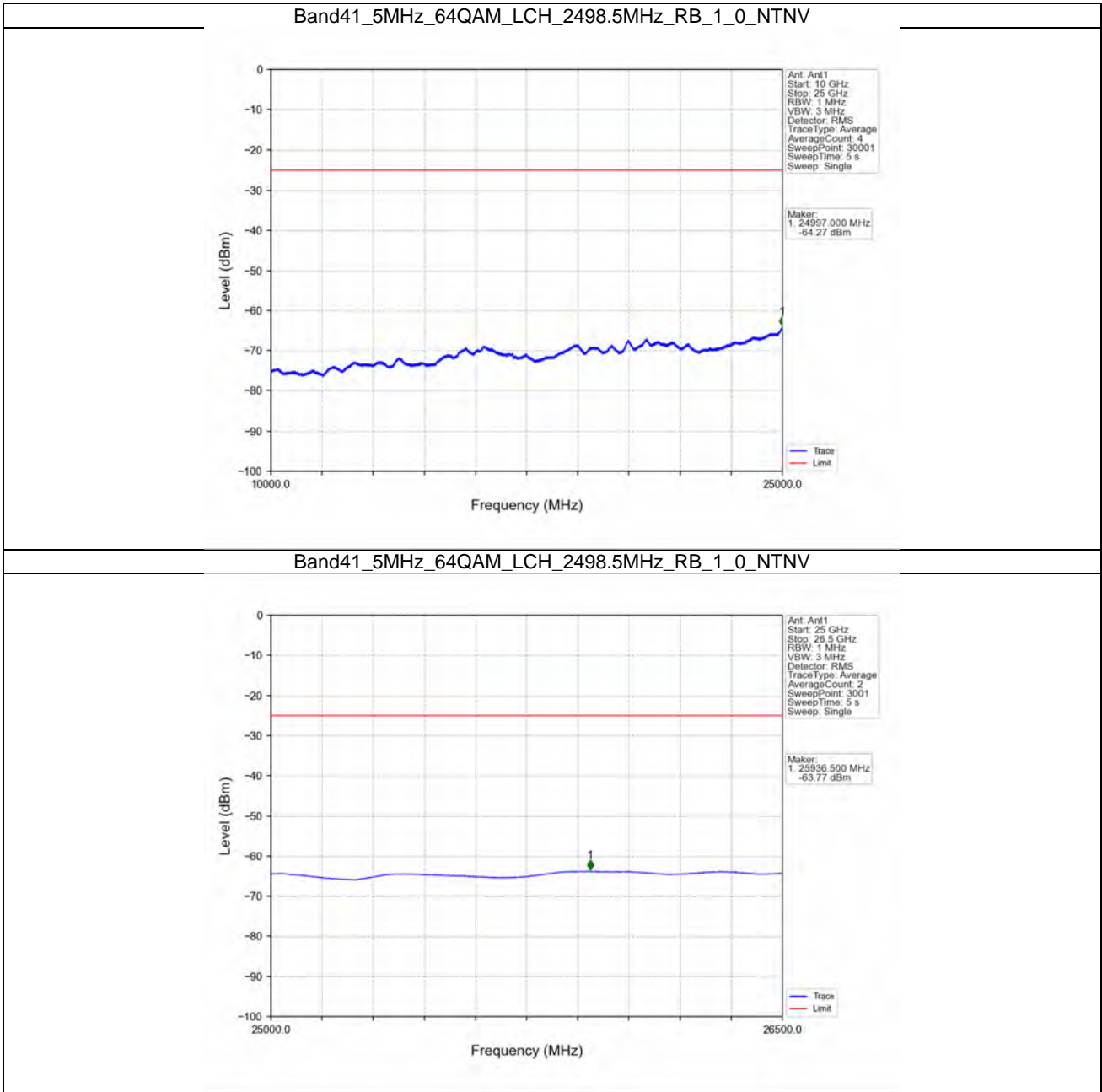
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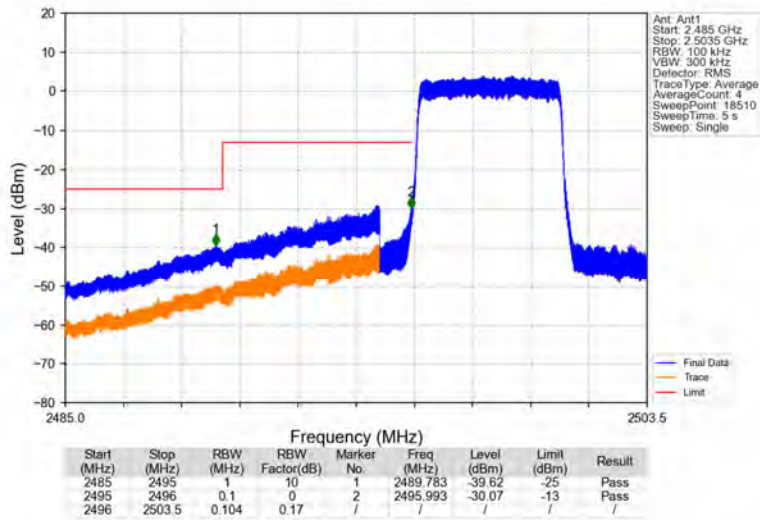


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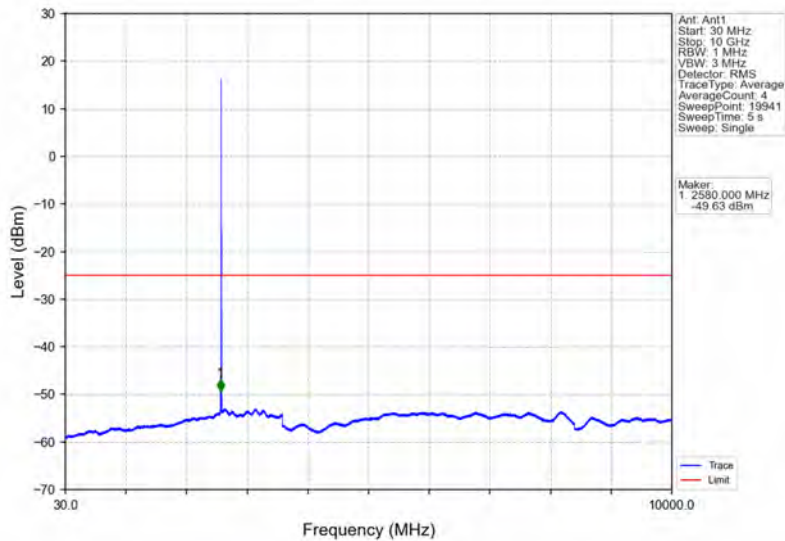
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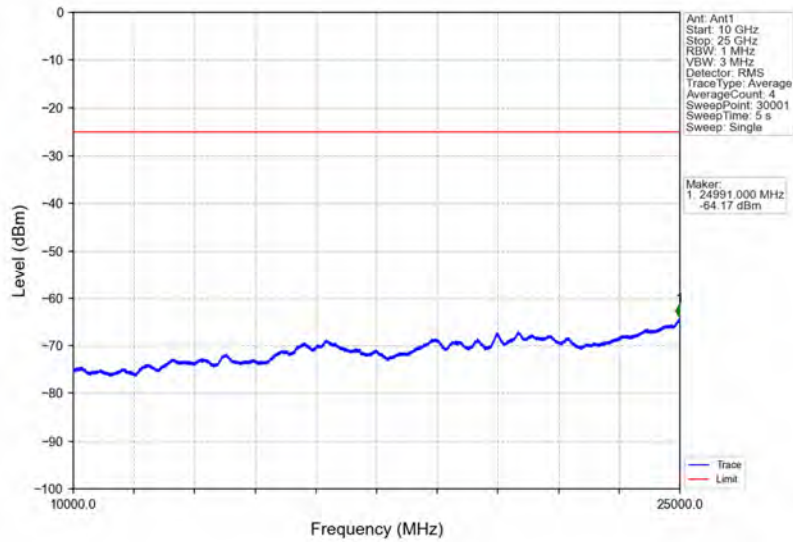
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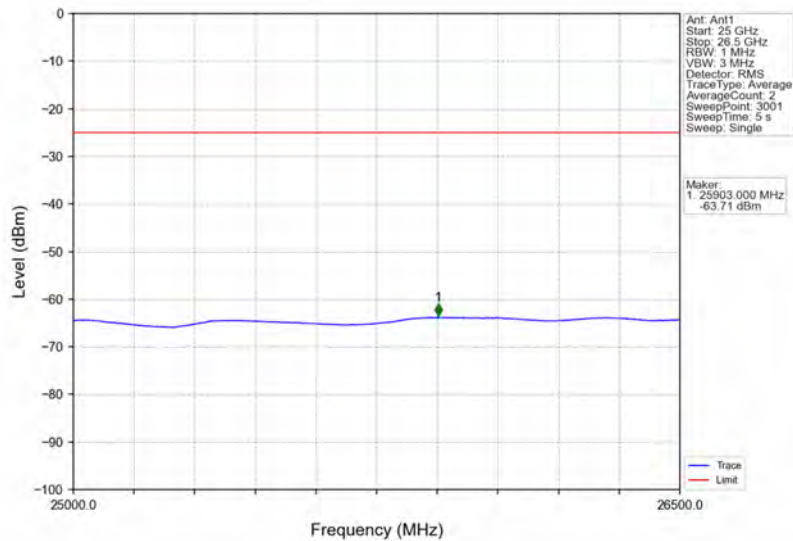


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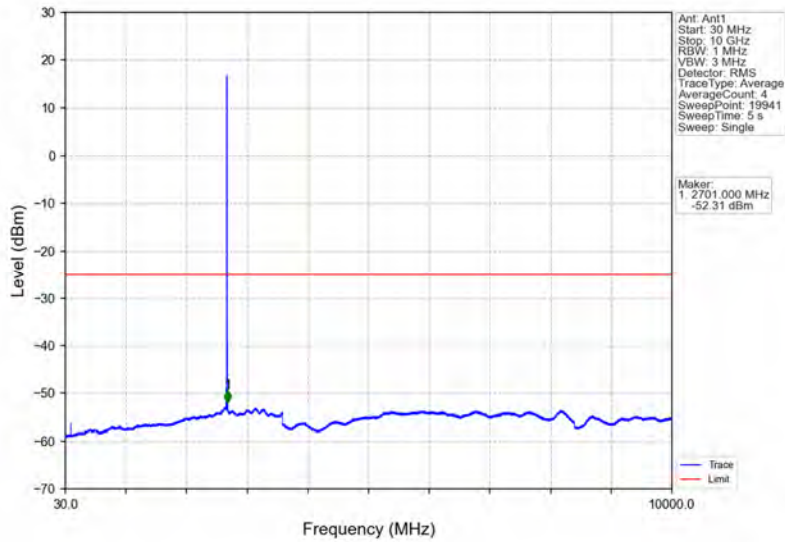
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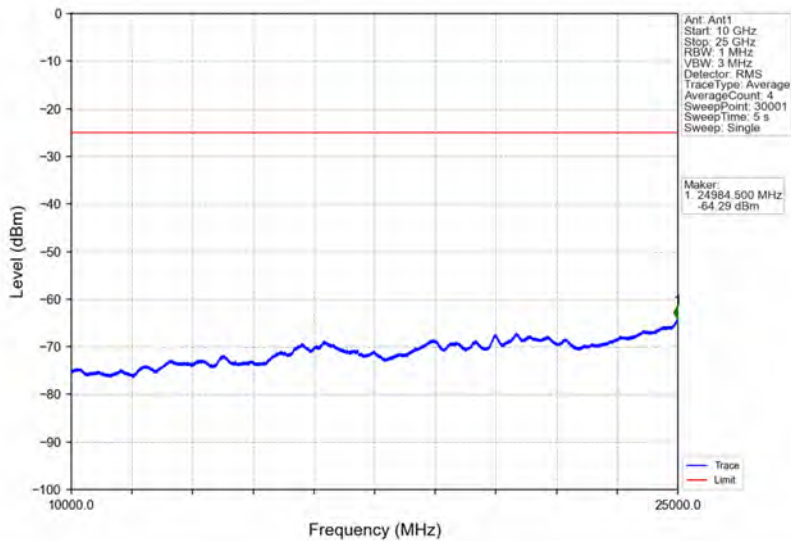


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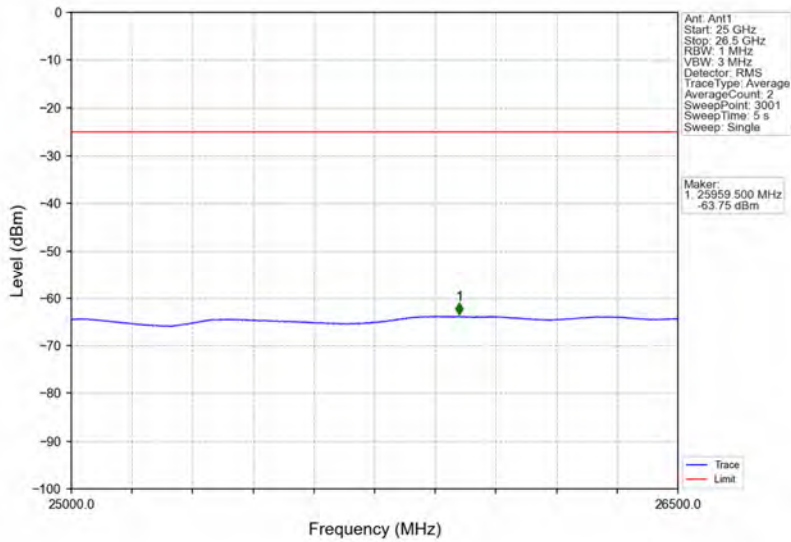
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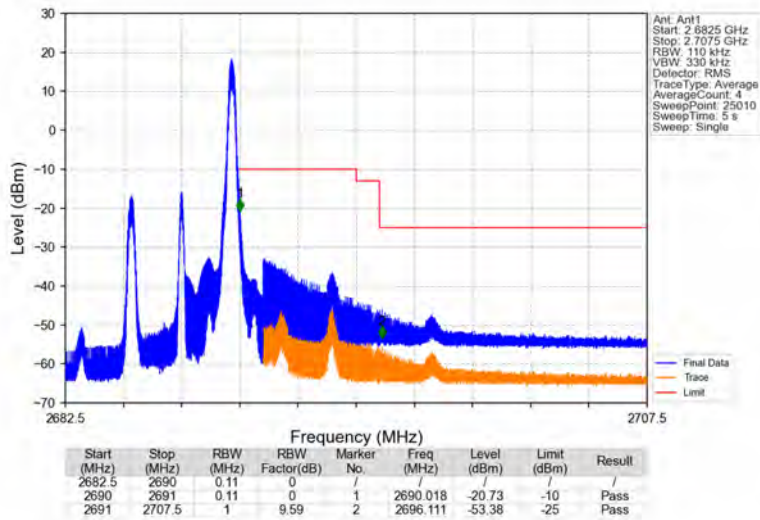
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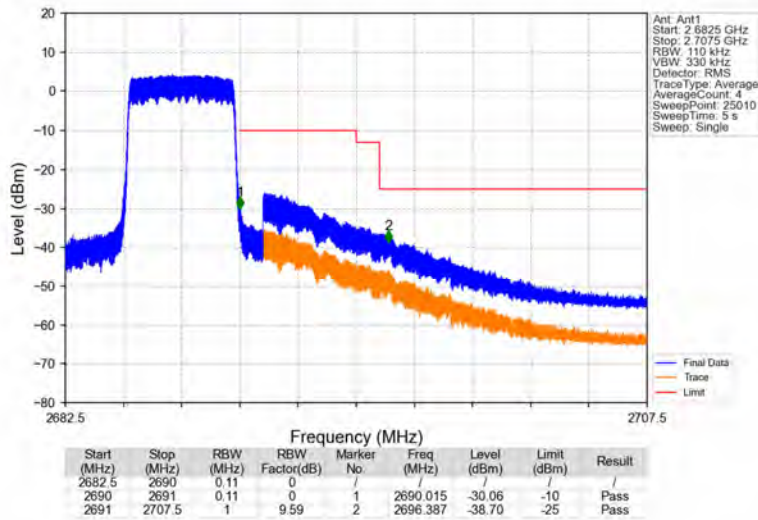


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6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	2501	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	2593	1	0	Refer To Test Graph		Pass	
		2685	1	0	Refer To Test Graph		Pass
			50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	2593	1	0	Refer To Test Graph		Pass	
		2685	1	49	Refer To Test Graph		Pass
			50	0	Refer To Test Graph		Pass
64QAM	2501	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	2593	1	0	Refer To Test Graph		Pass	
		2685	1	0	Refer To Test Graph		Pass
			50	0	Refer To Test Graph		Pass



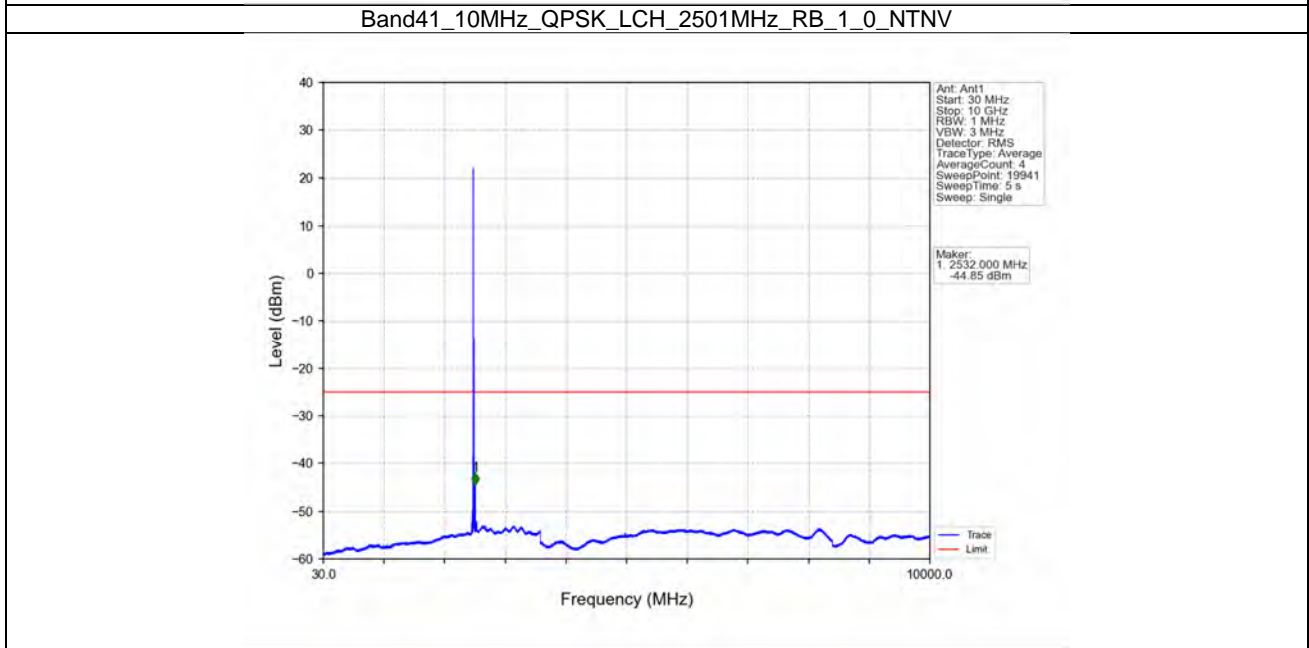
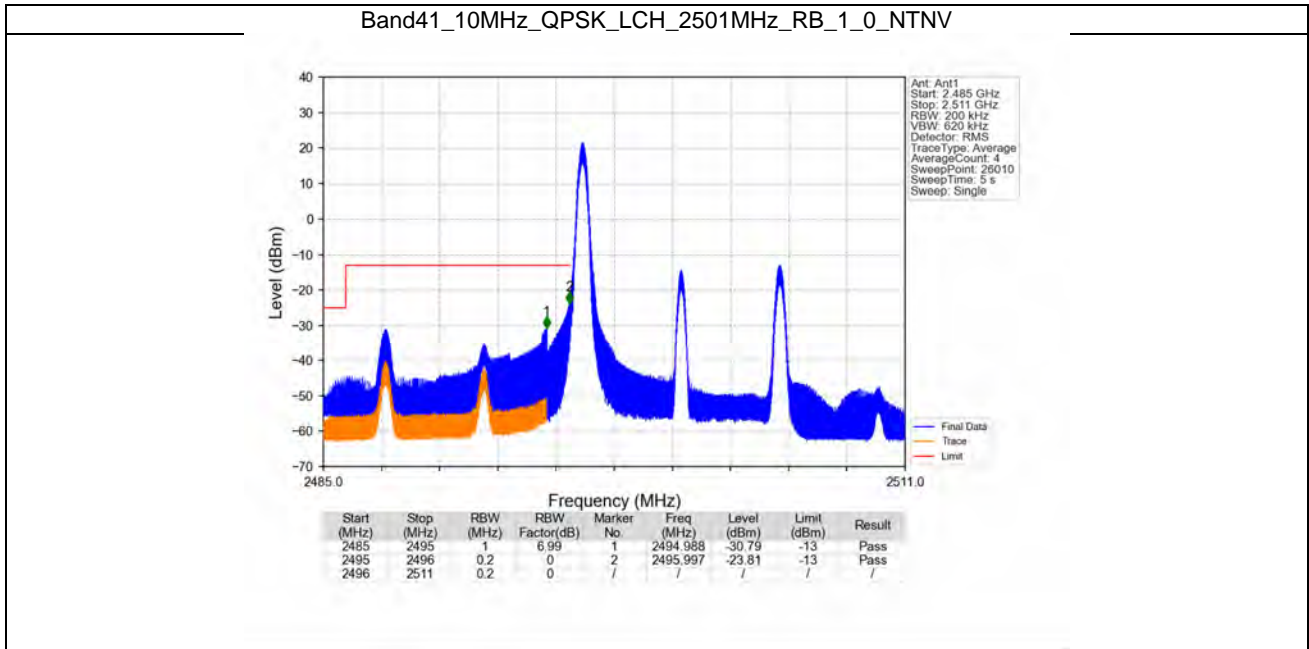
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6.2.2 Test Graph



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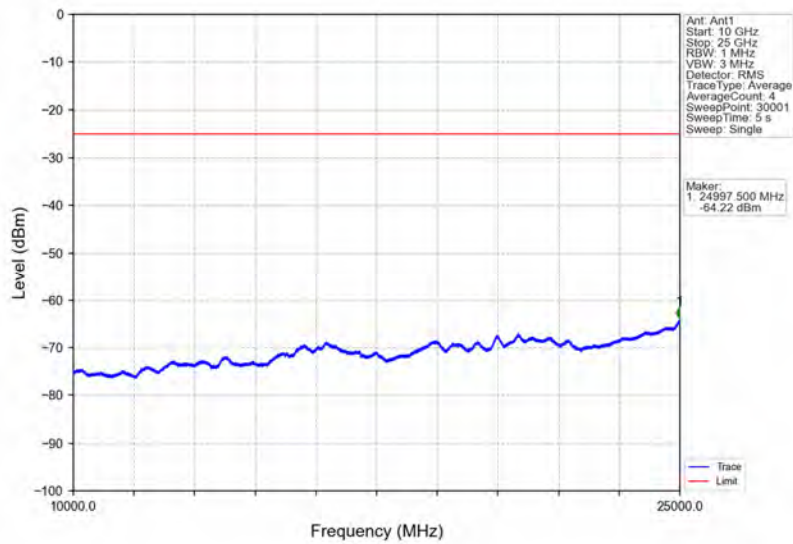
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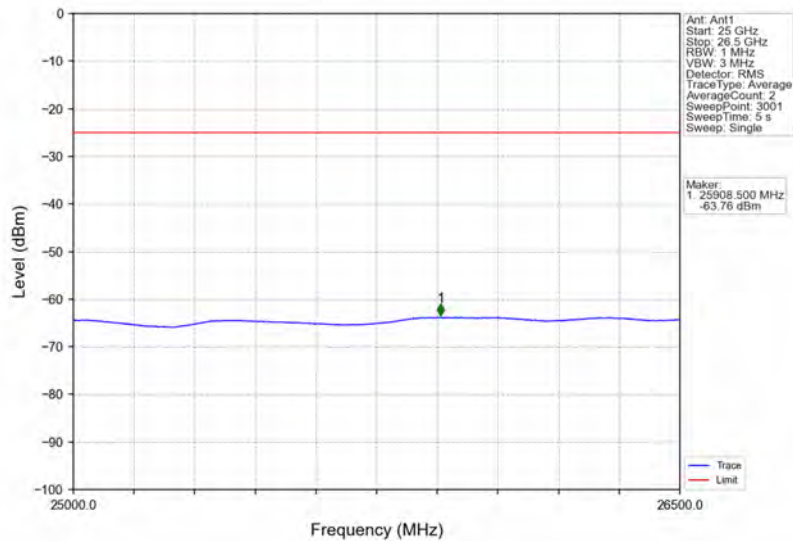
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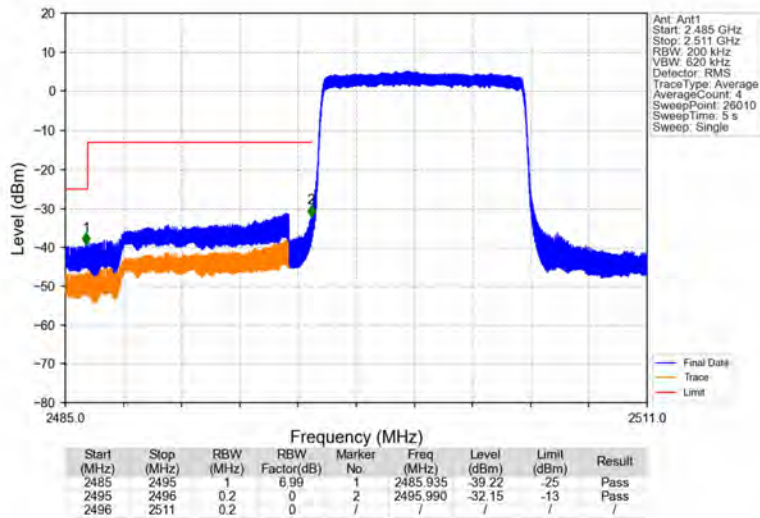
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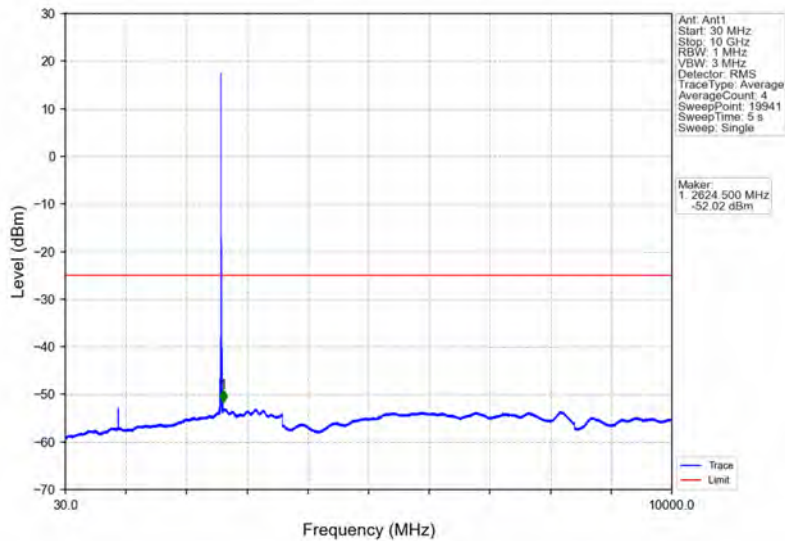


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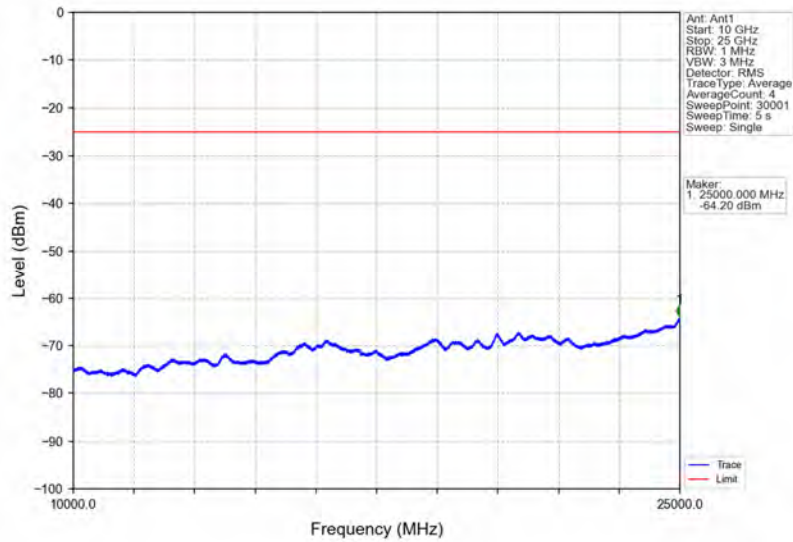
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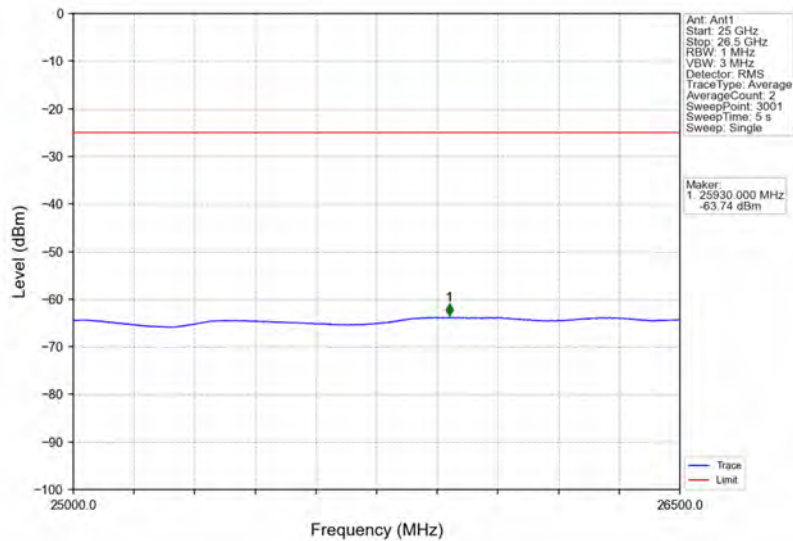
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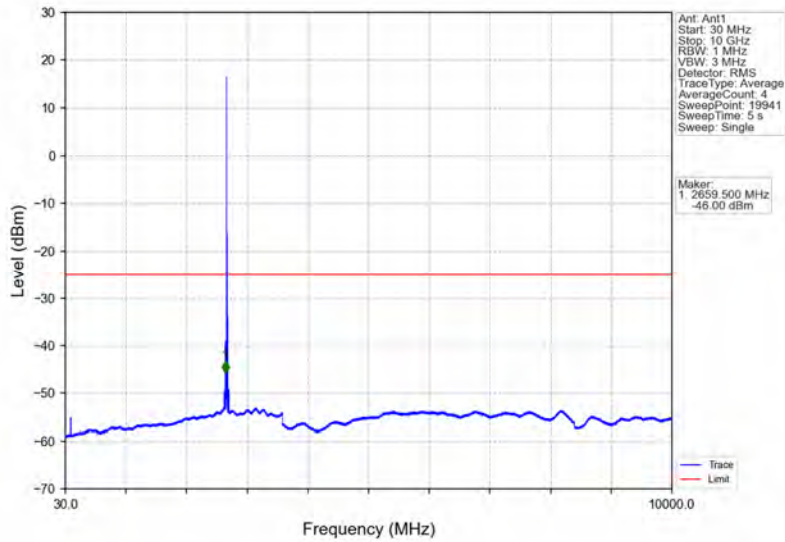
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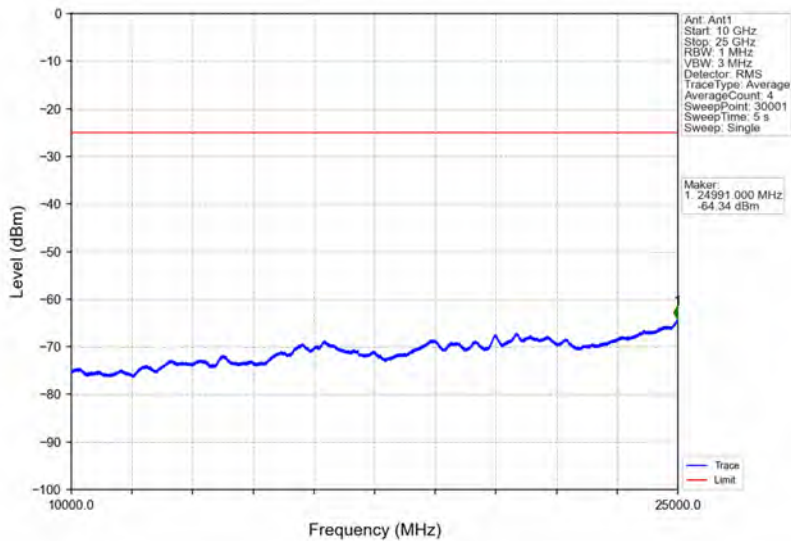
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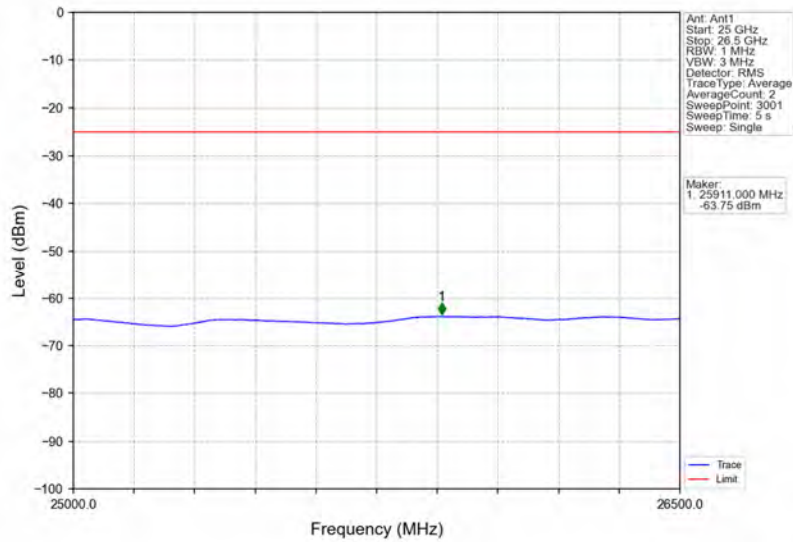
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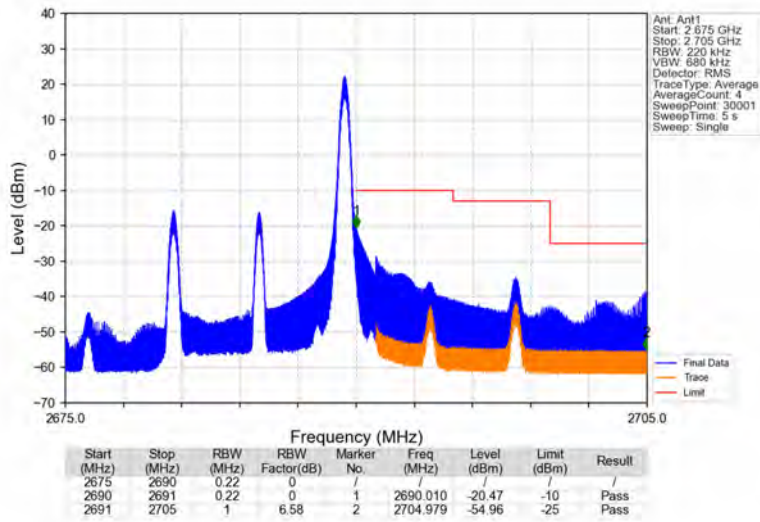
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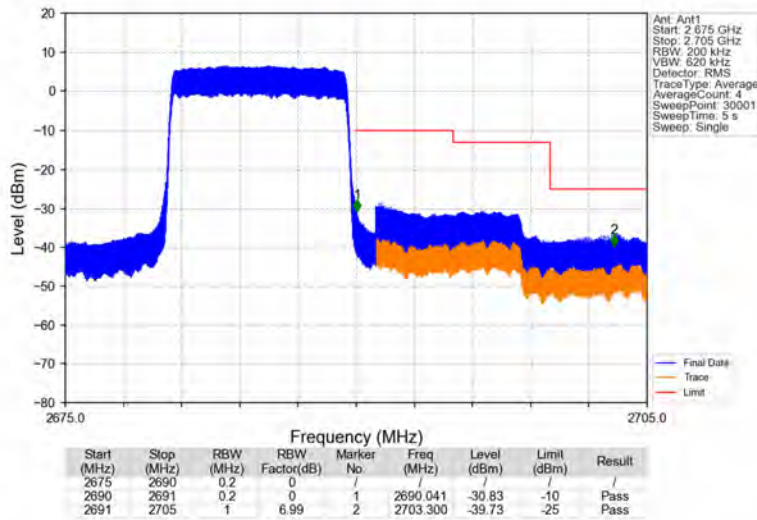


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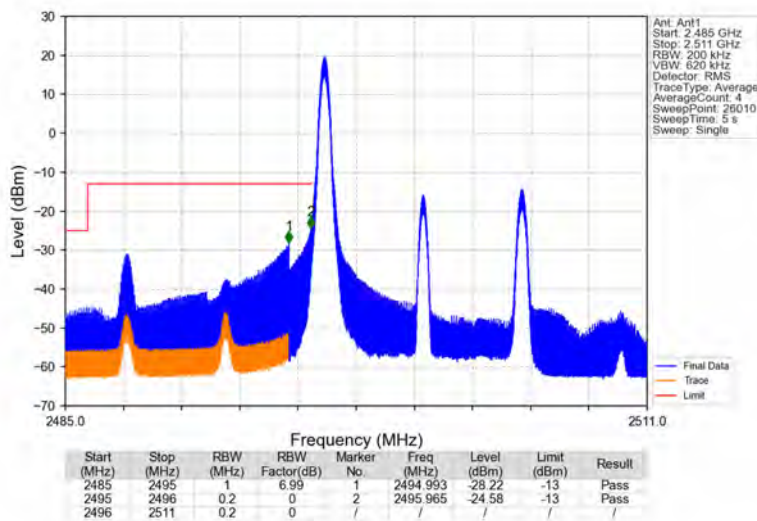
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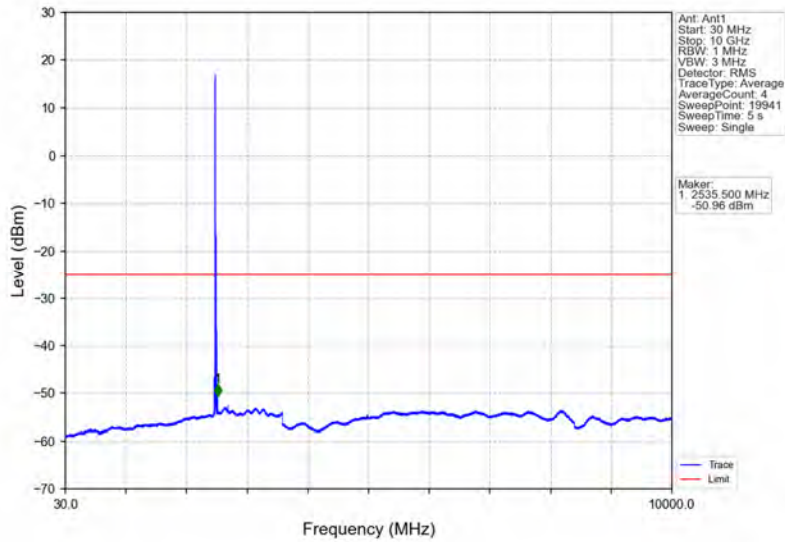
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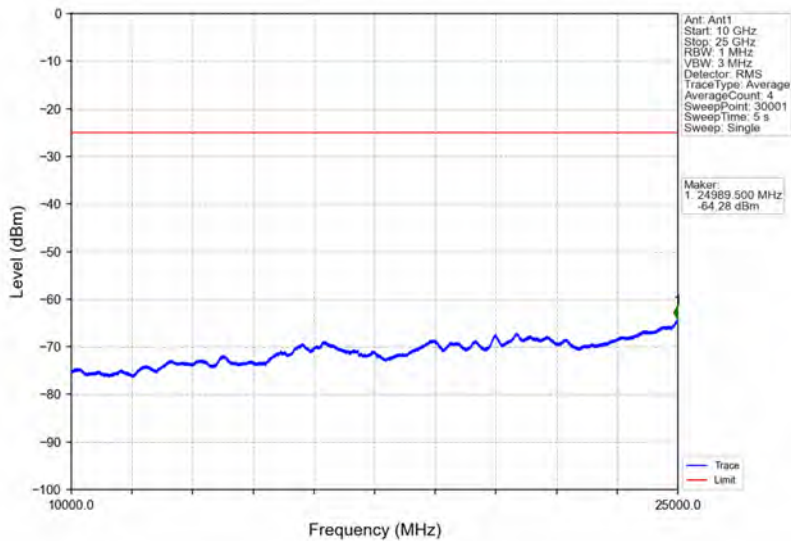
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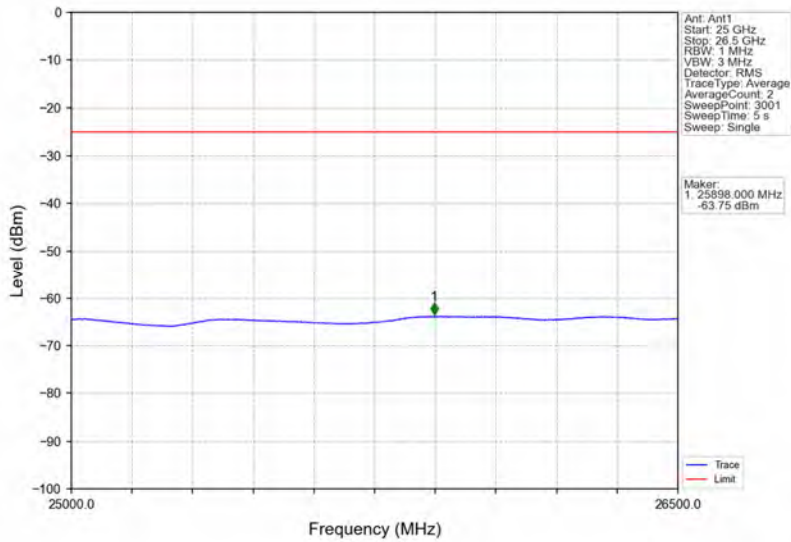
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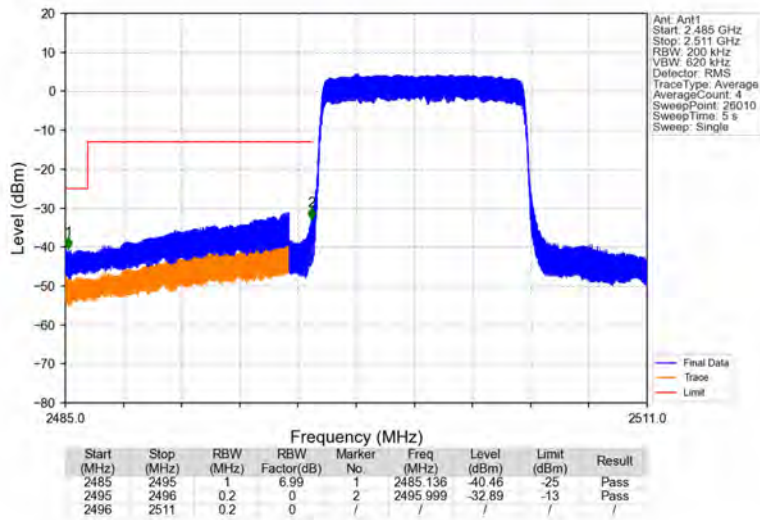


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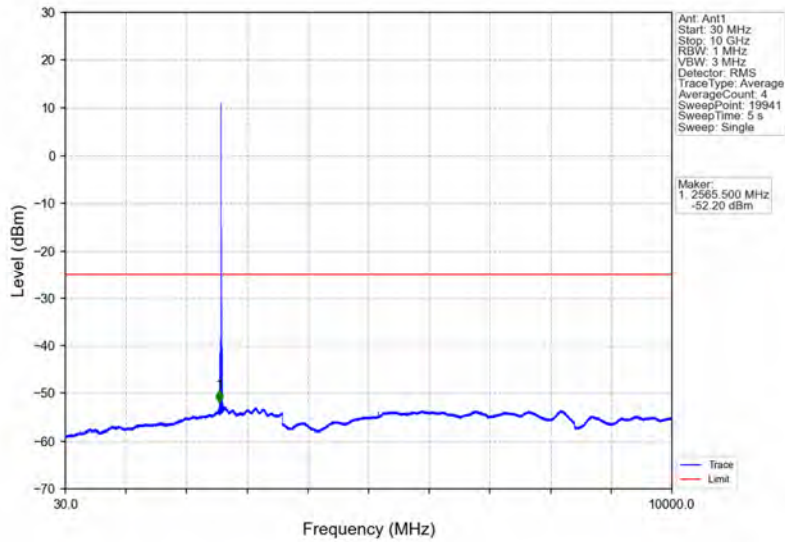
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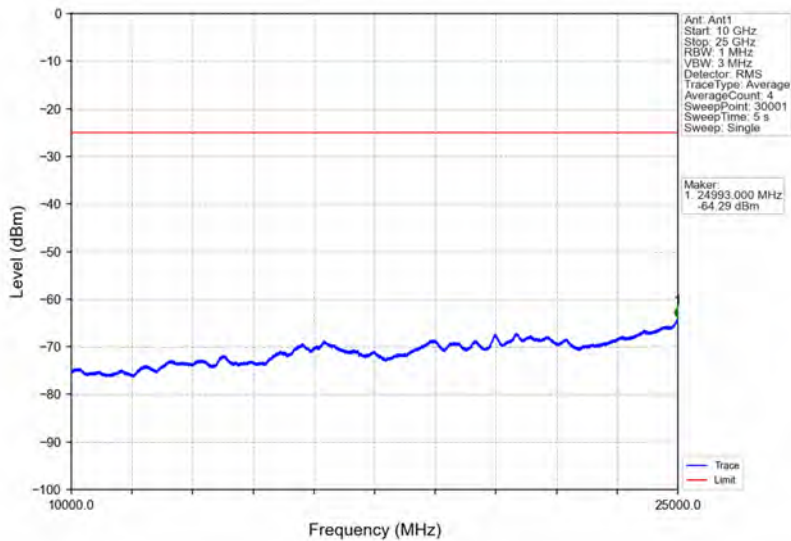
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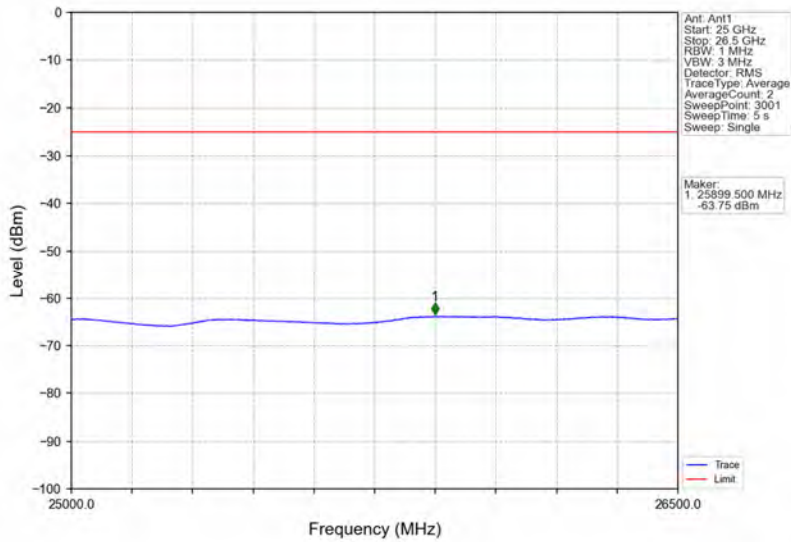
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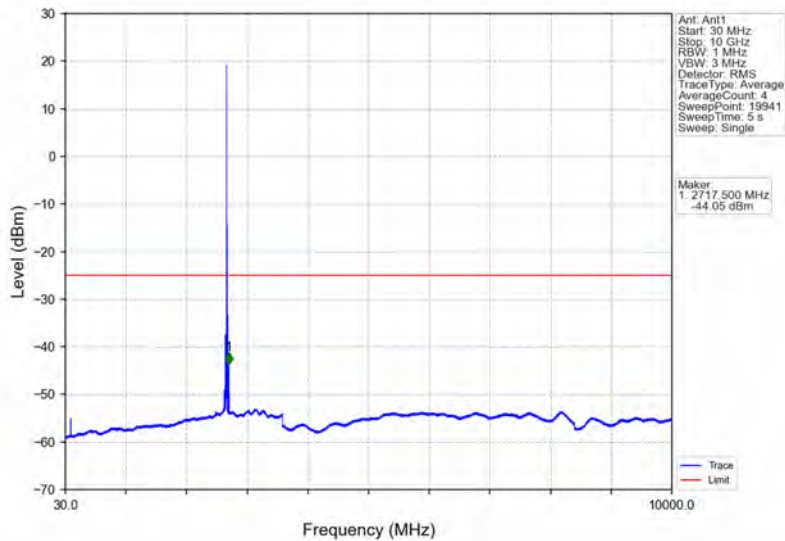


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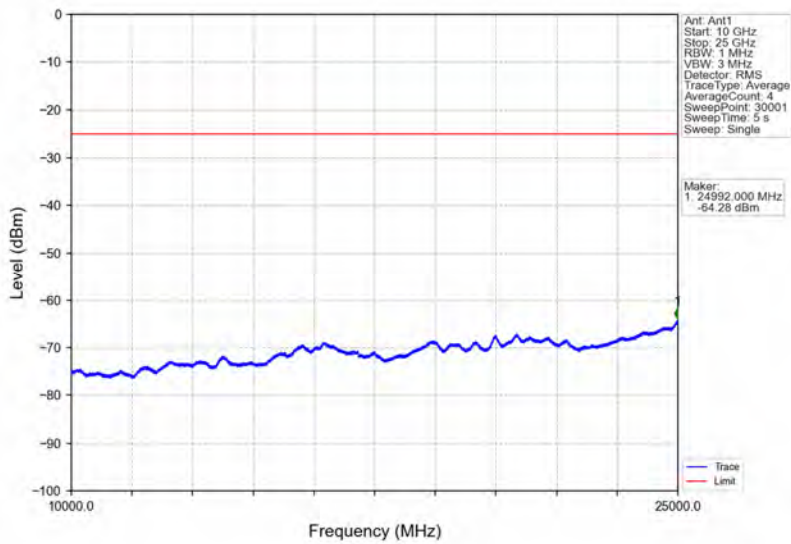
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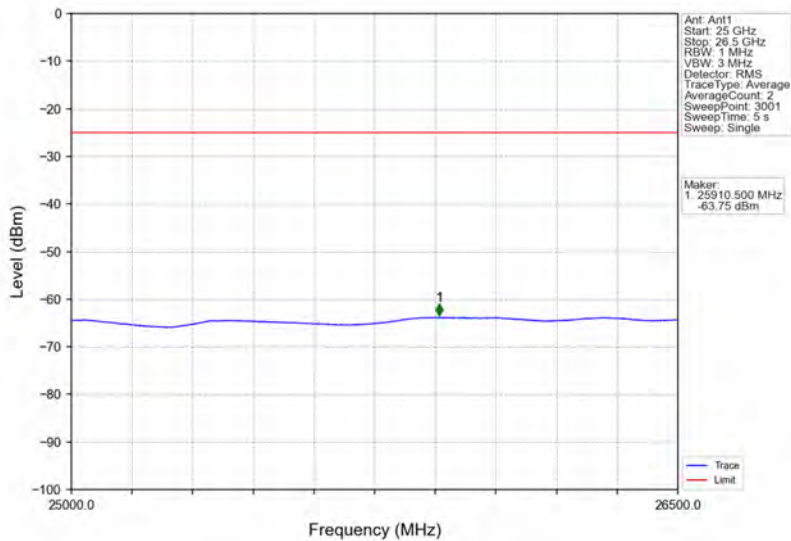


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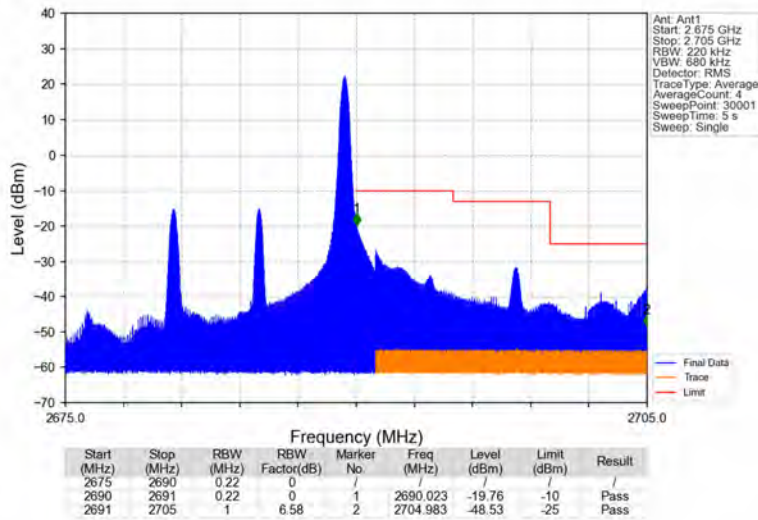
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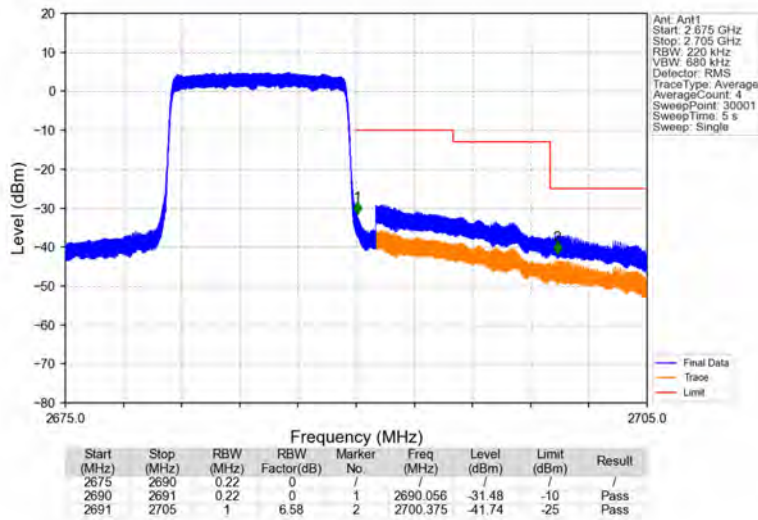


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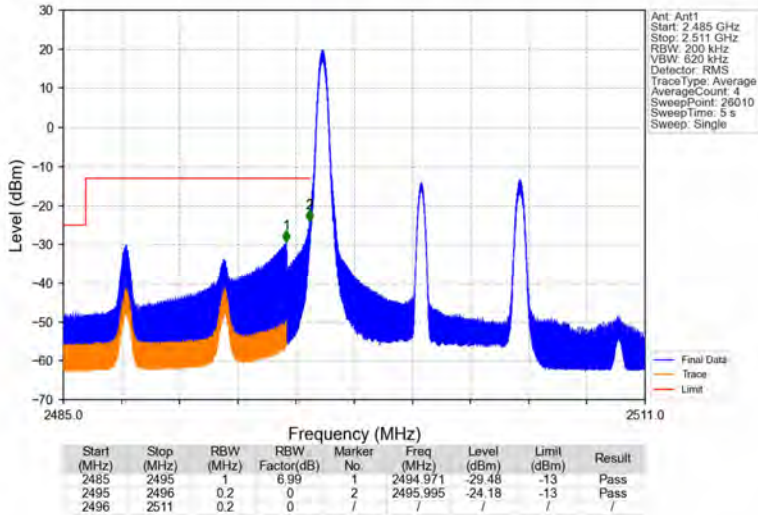
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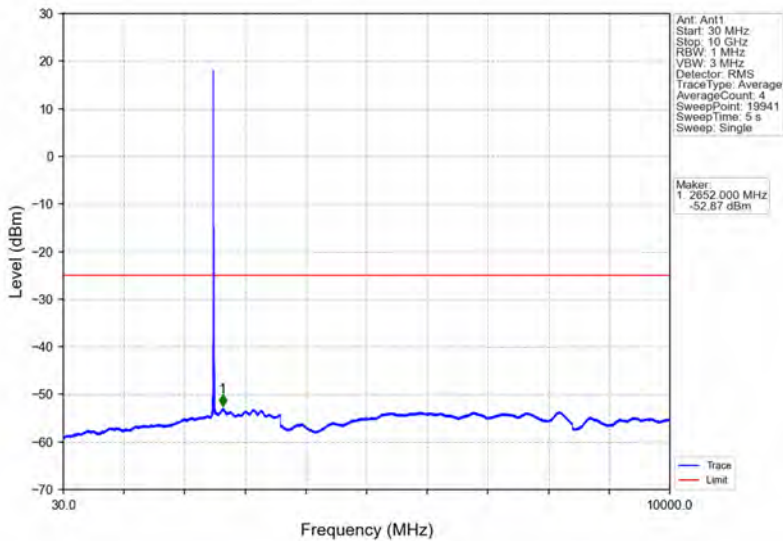
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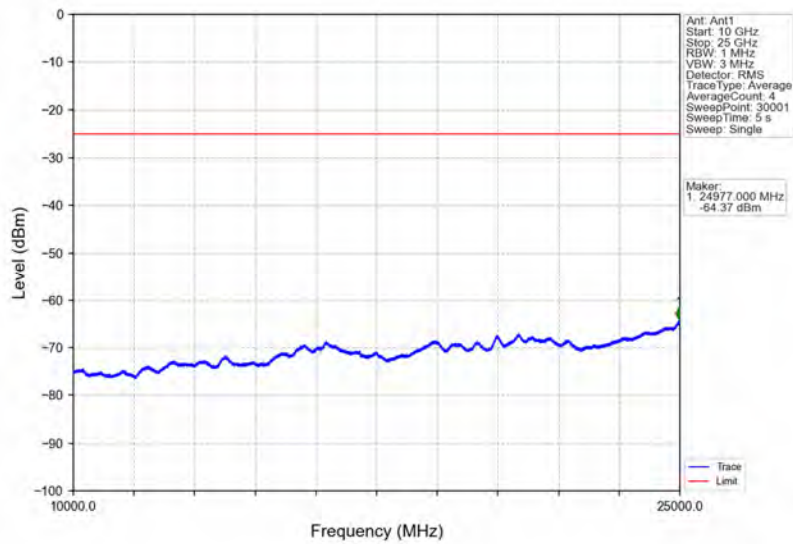
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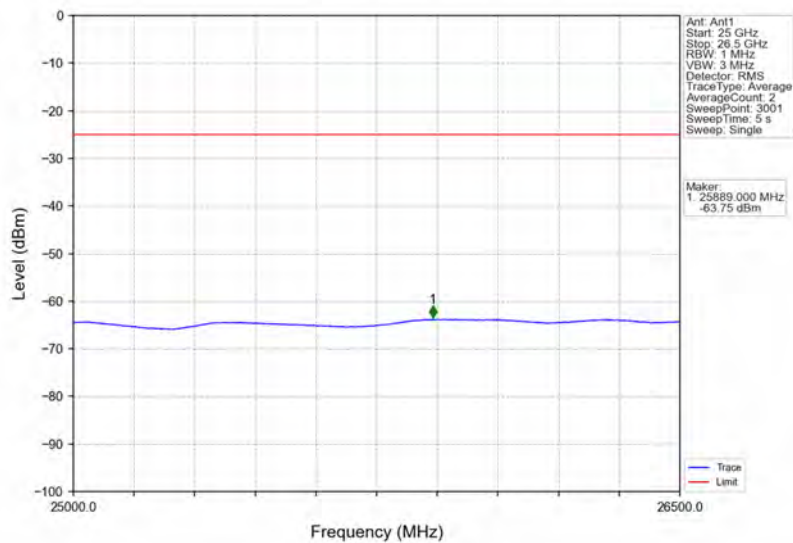
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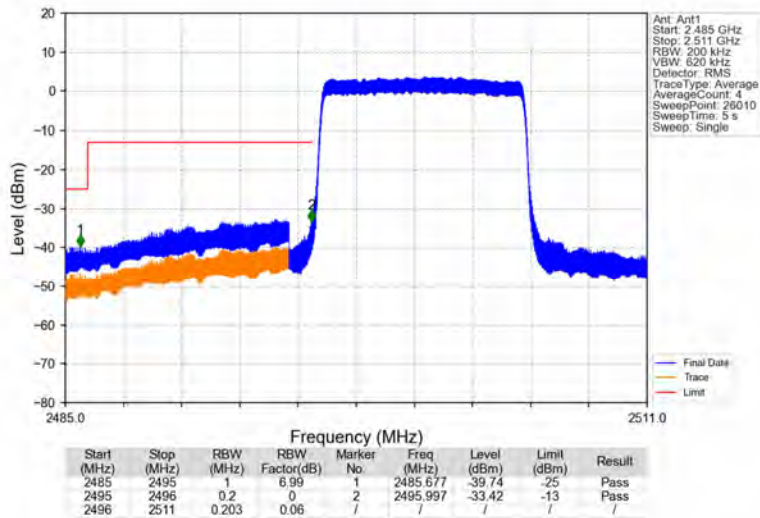
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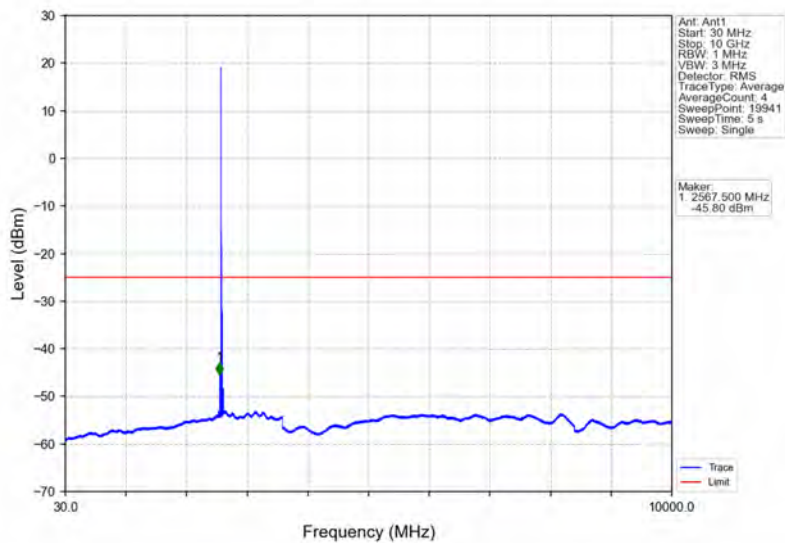
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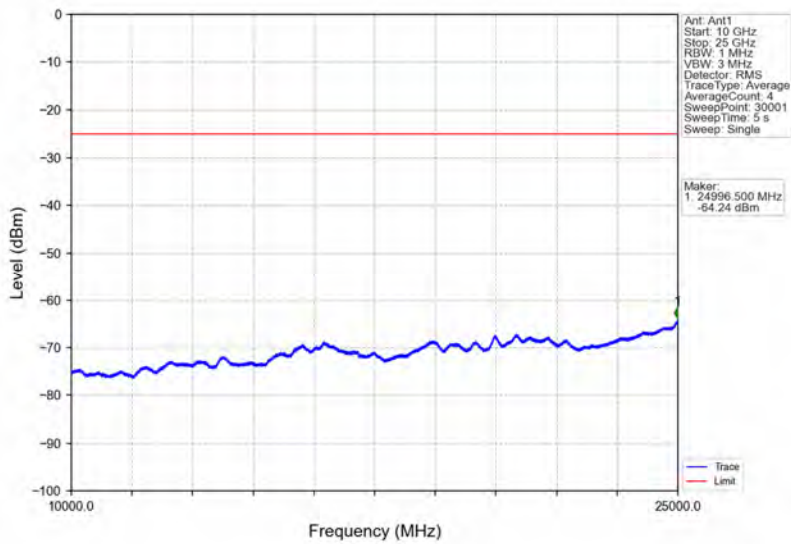
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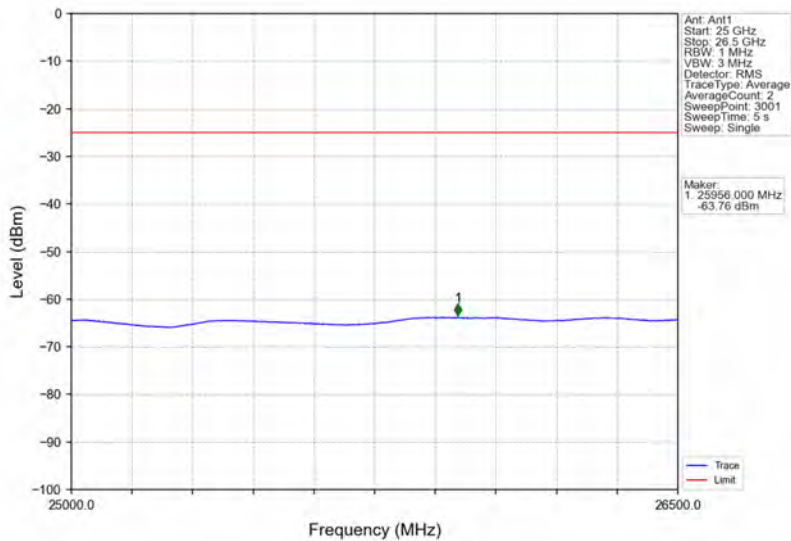
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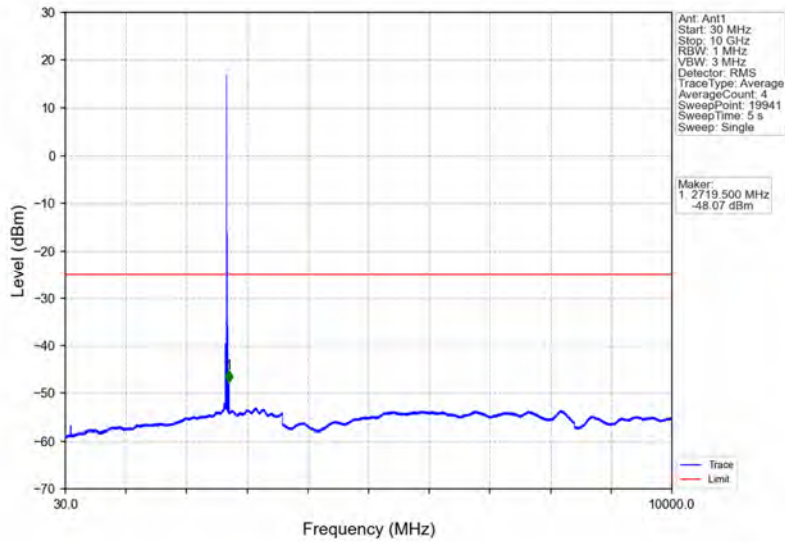
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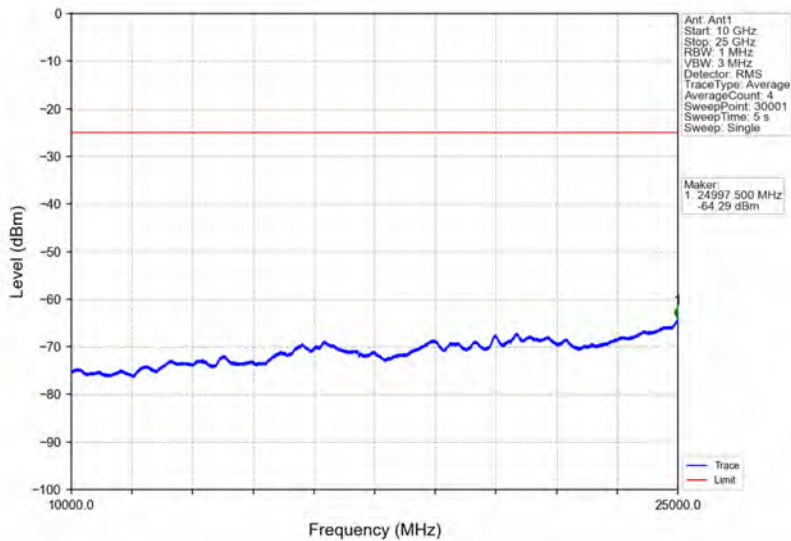
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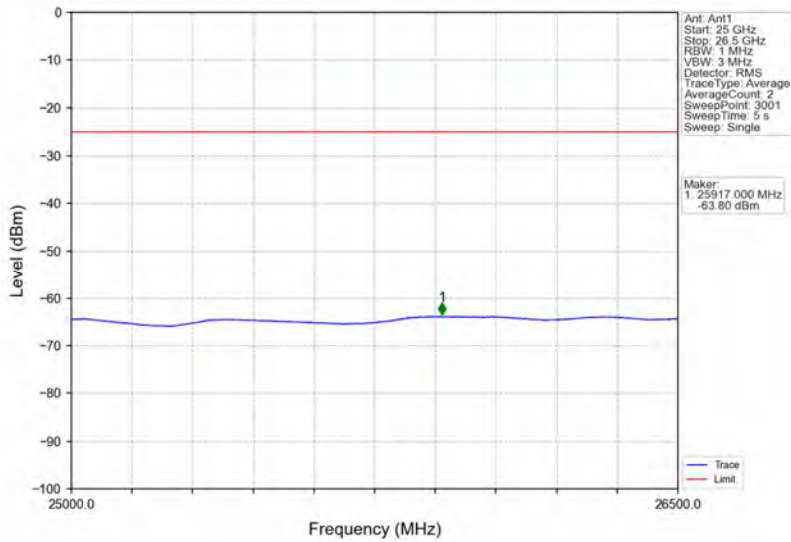
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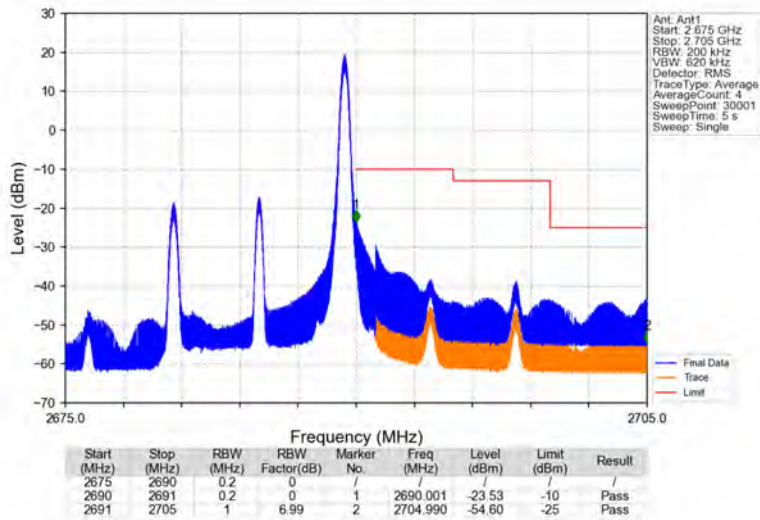
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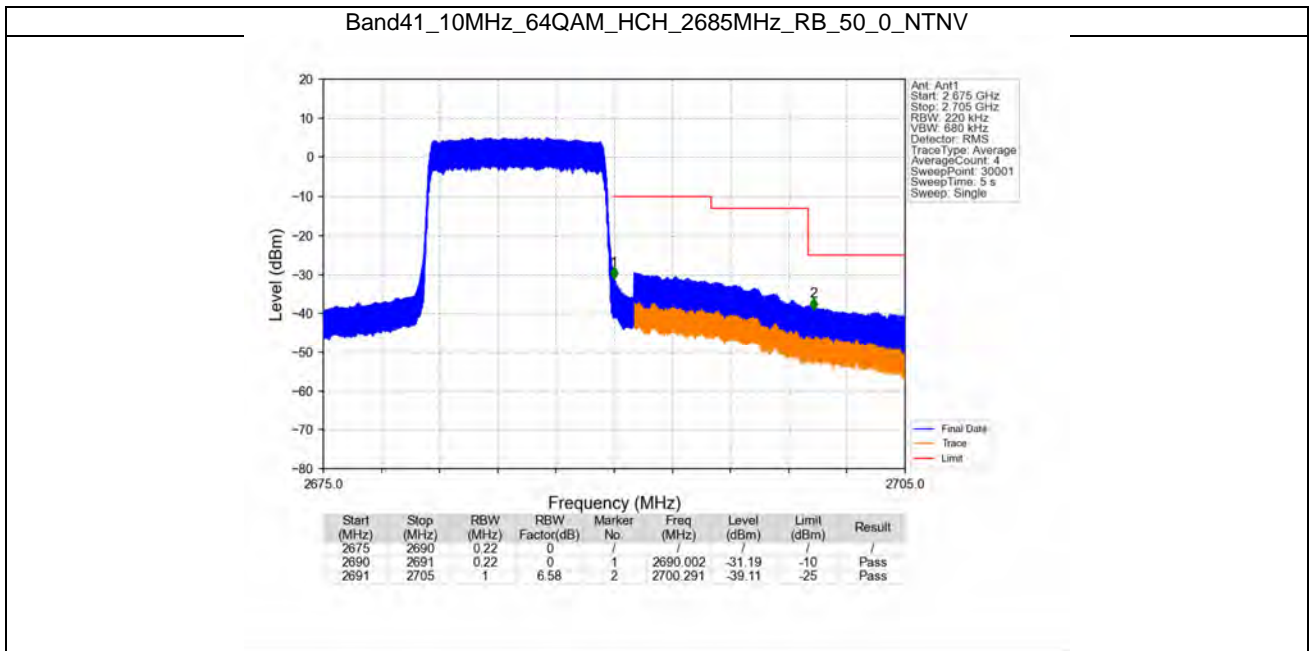
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6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass



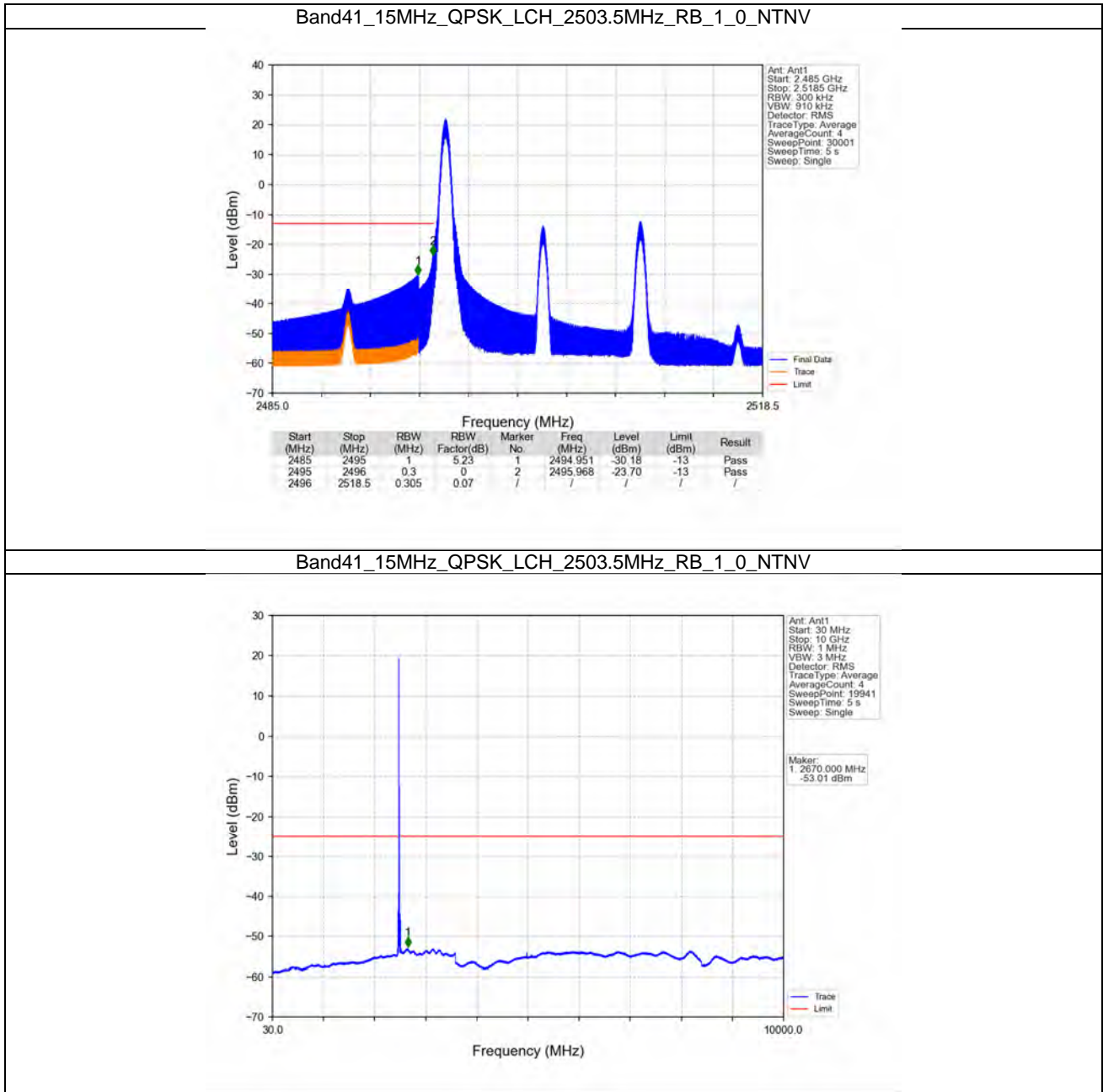
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6.3.2 Test Graph



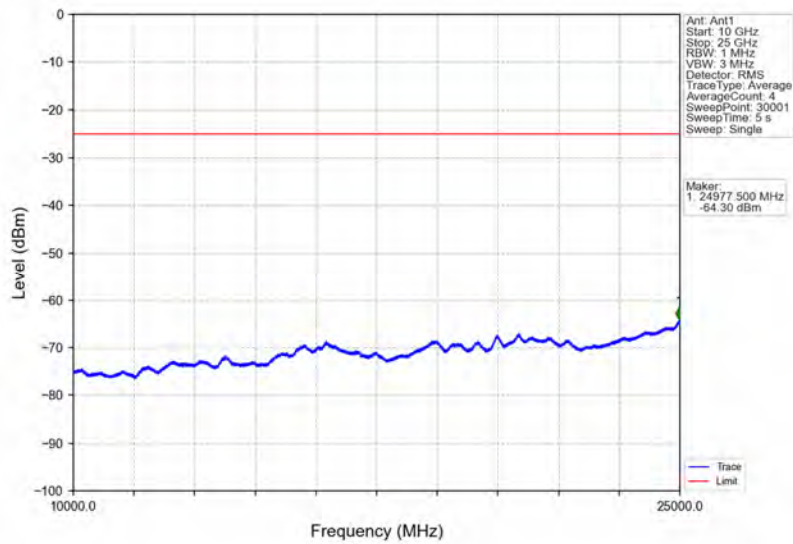
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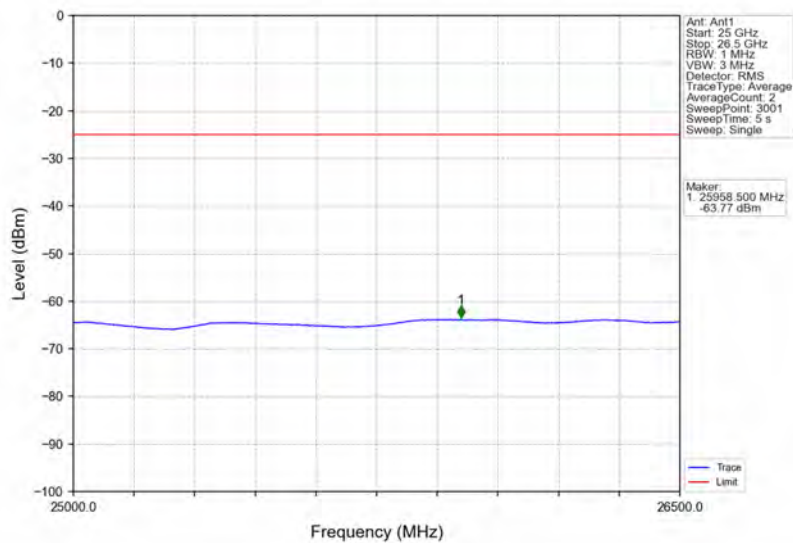
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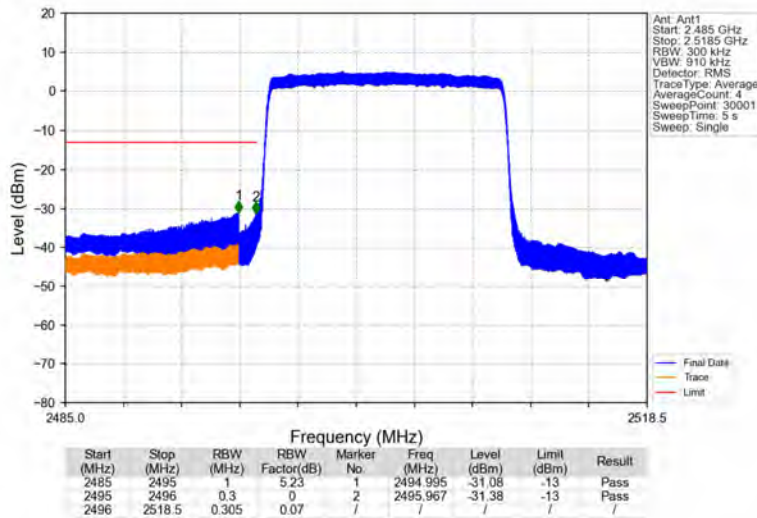
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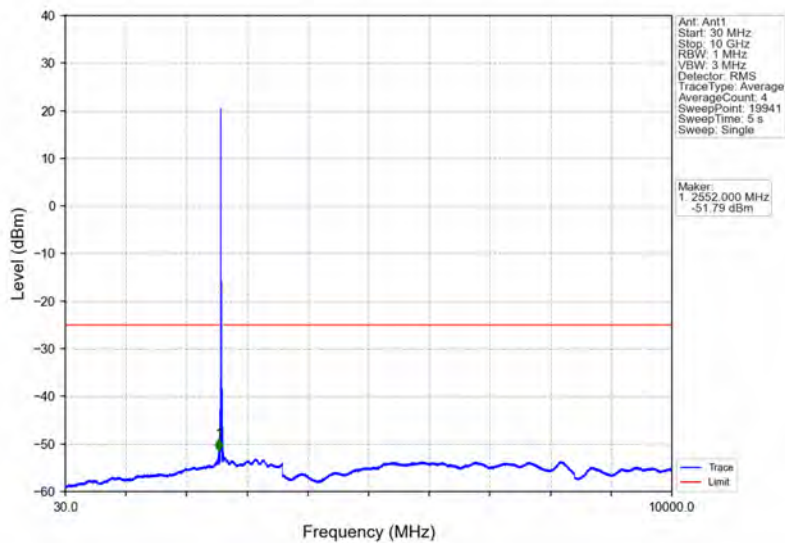


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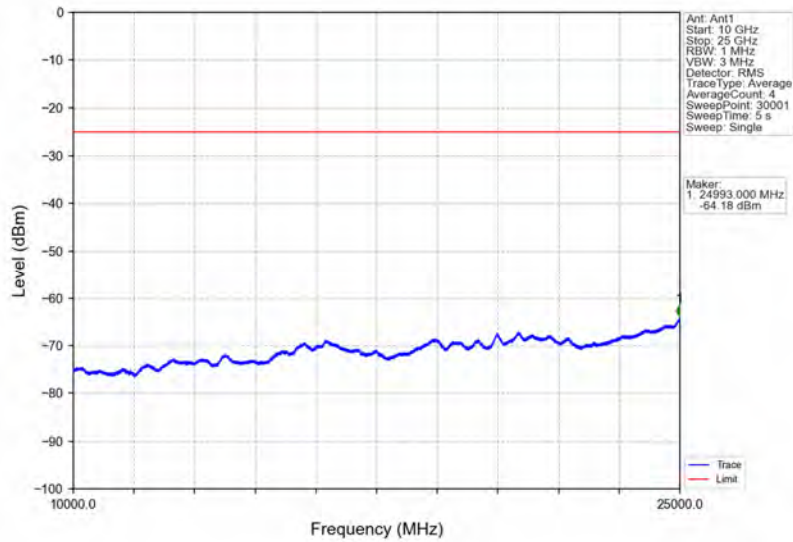
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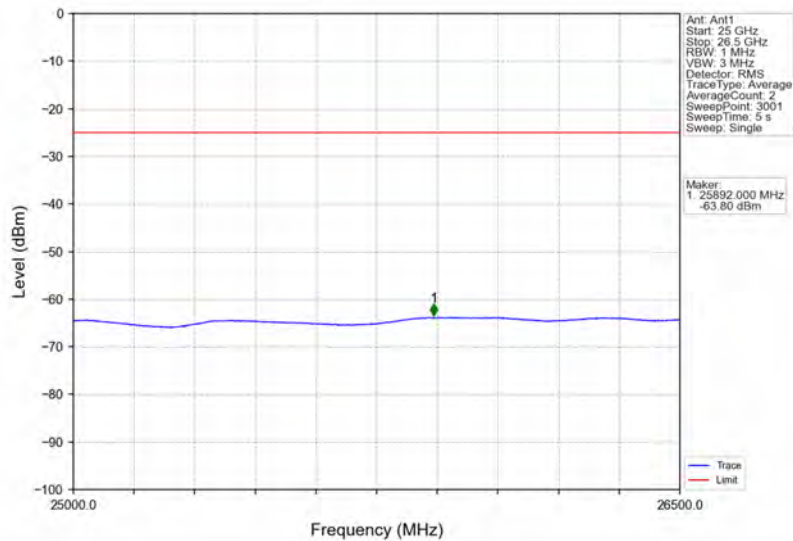
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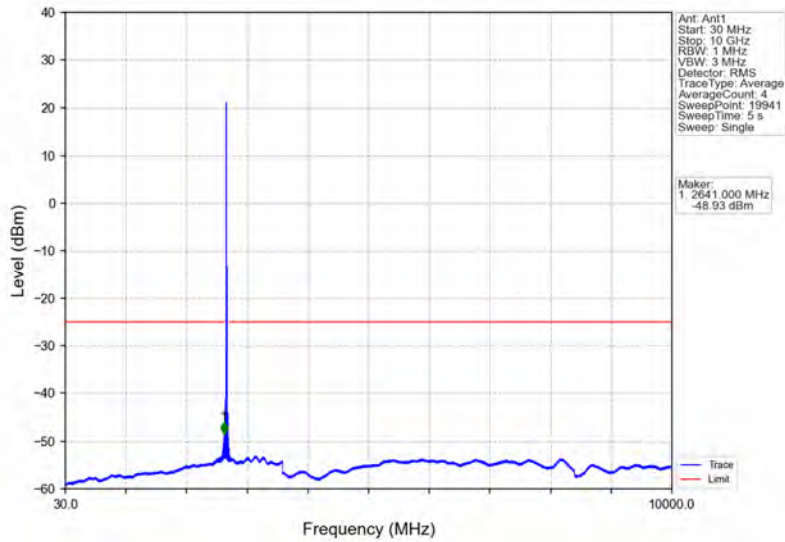
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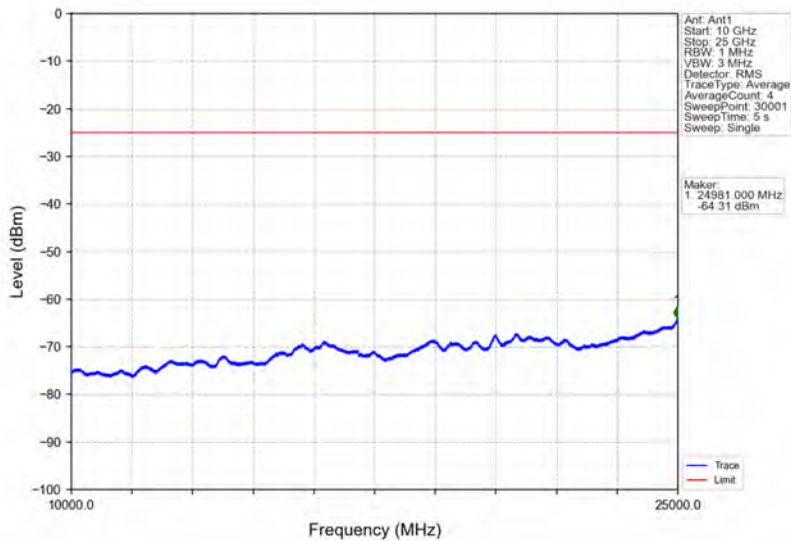


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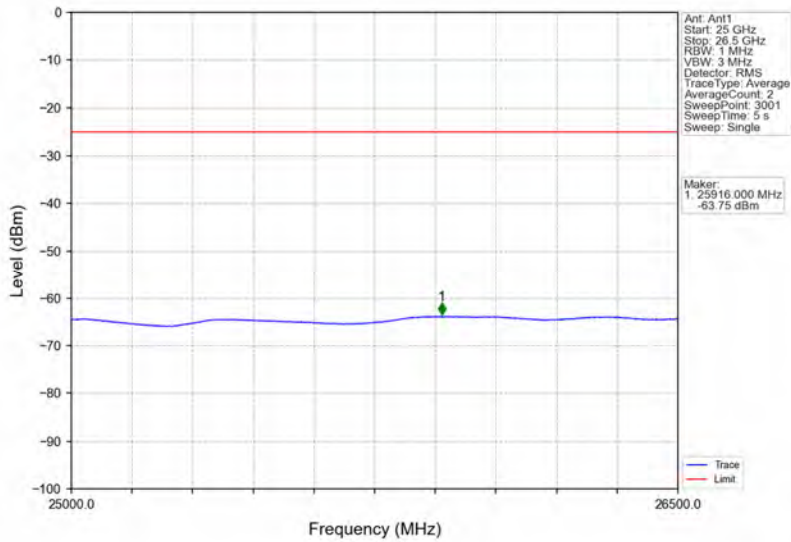
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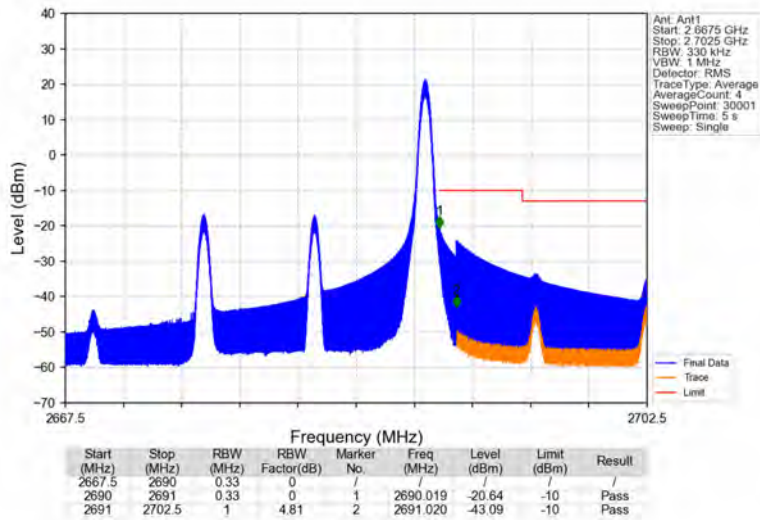


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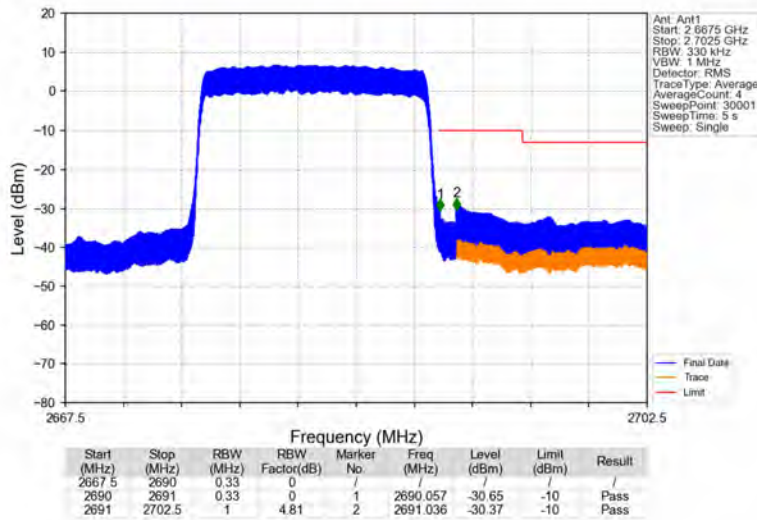
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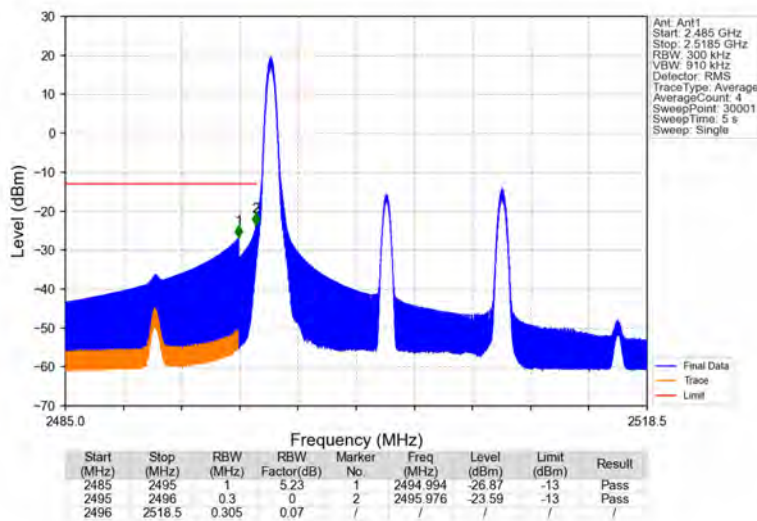
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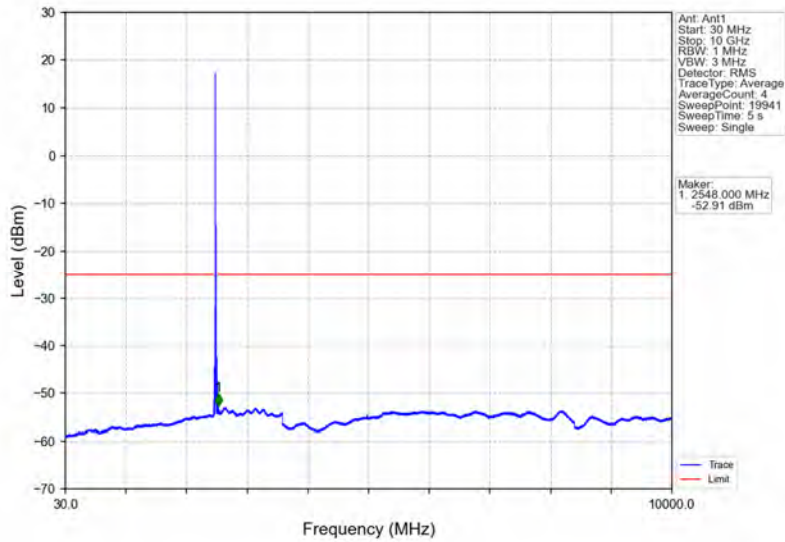
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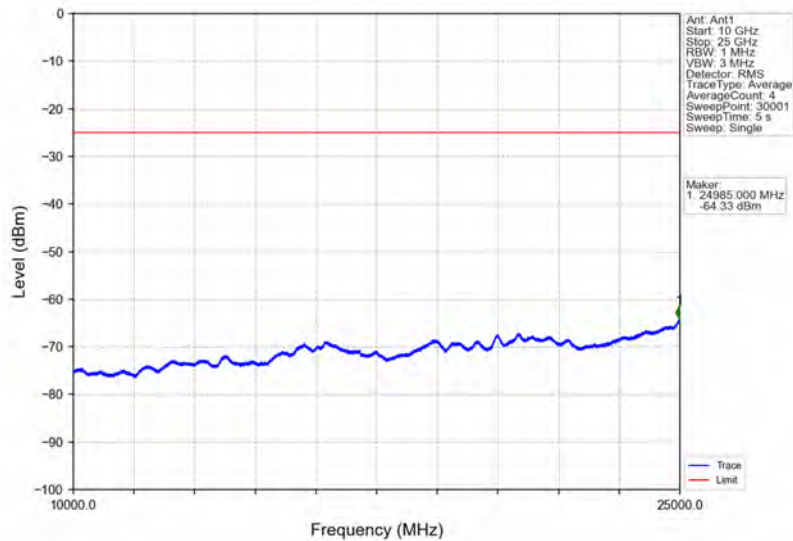
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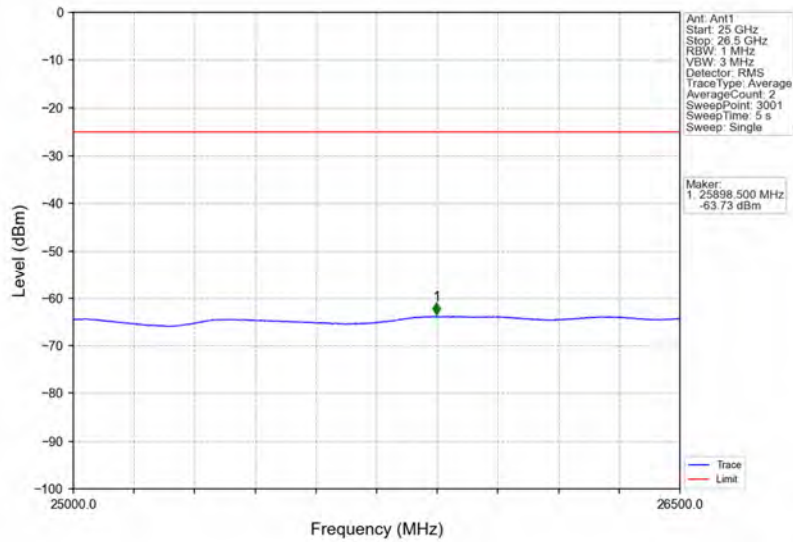
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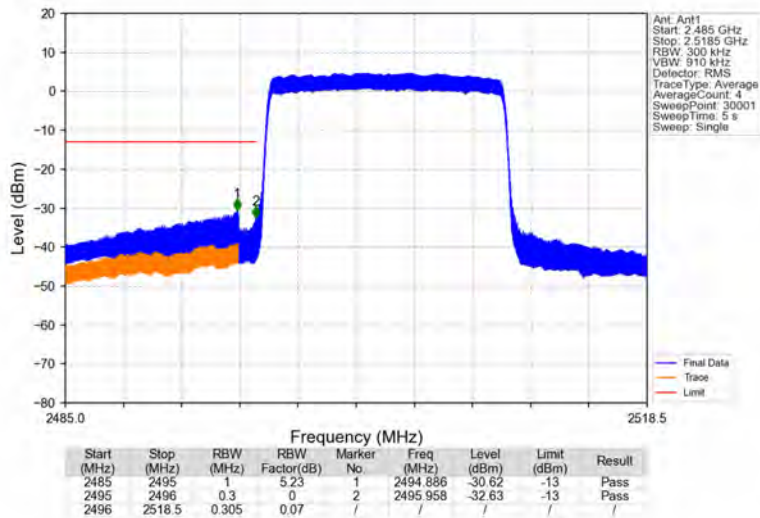
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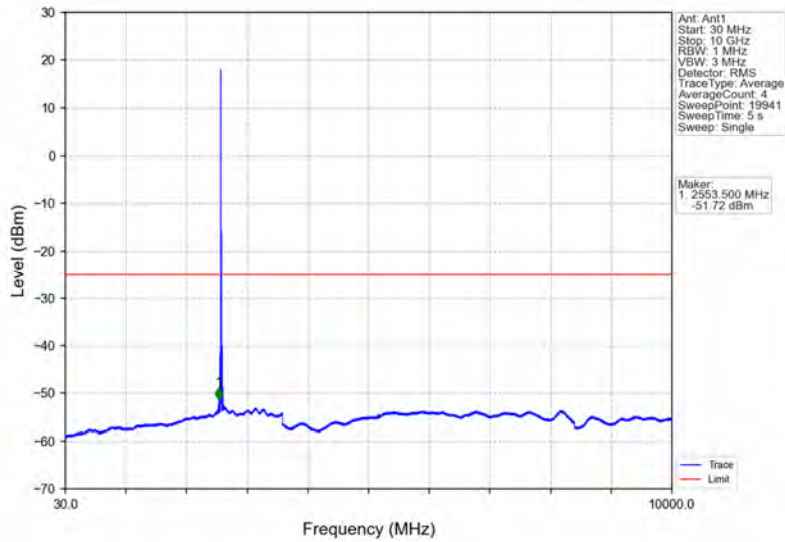
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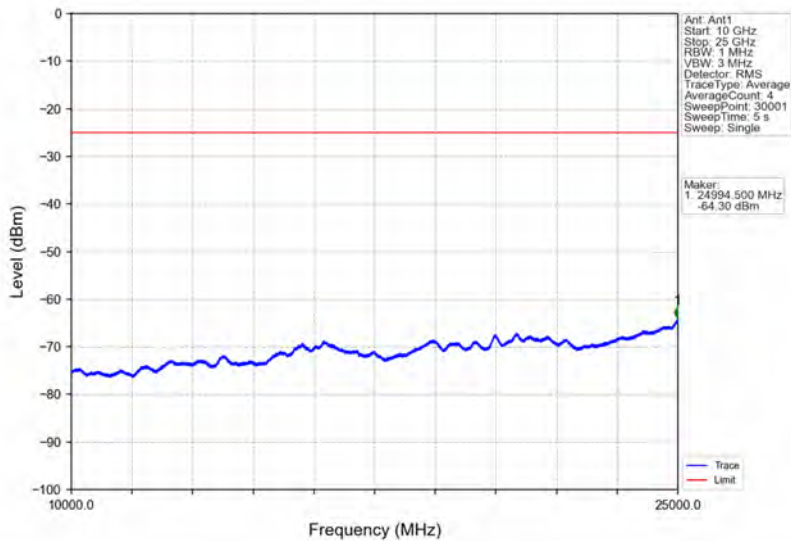
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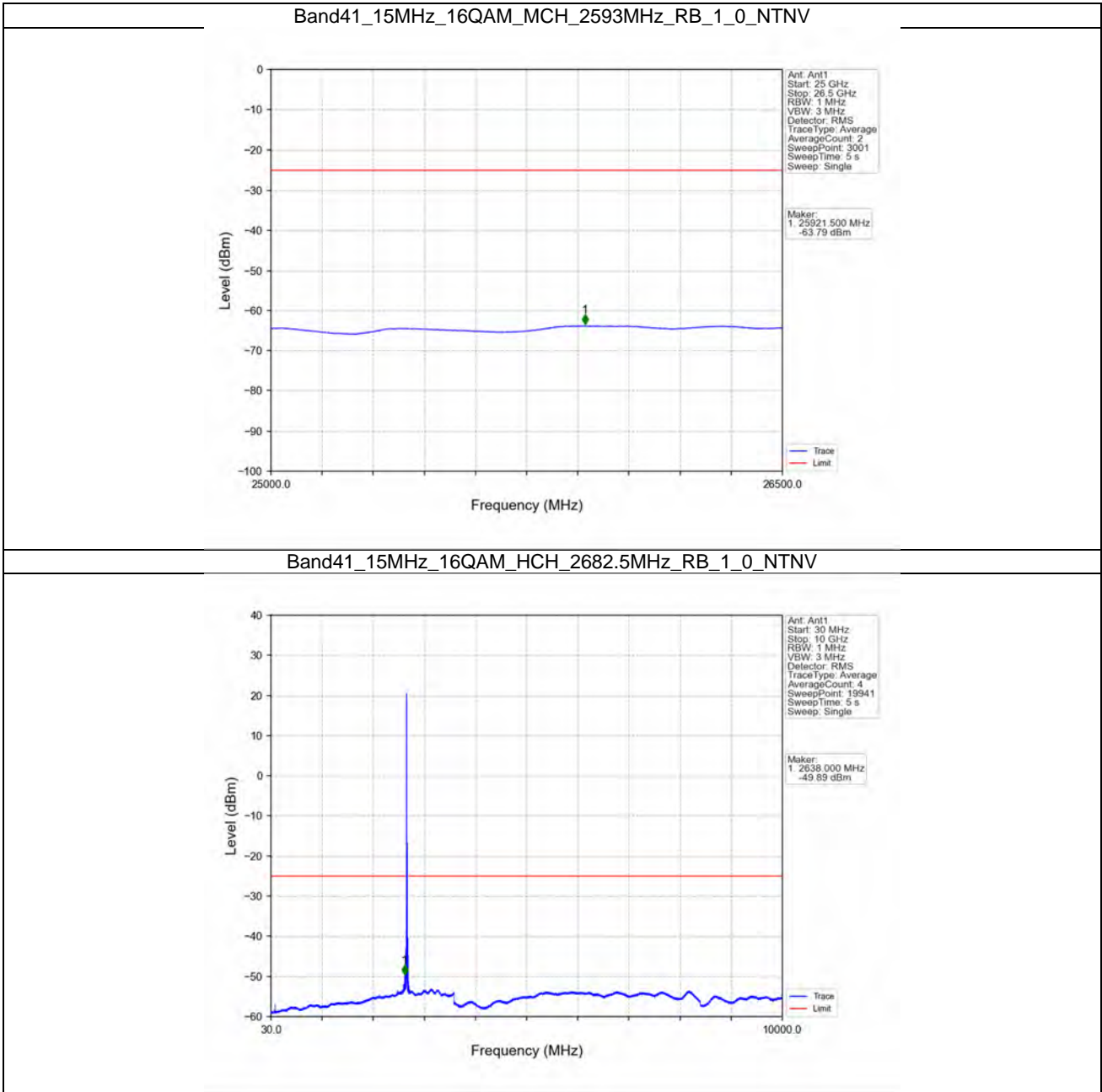
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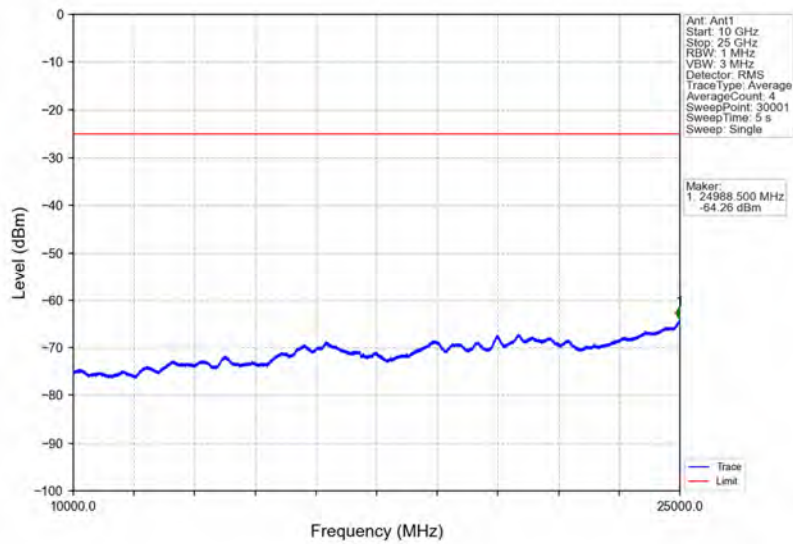


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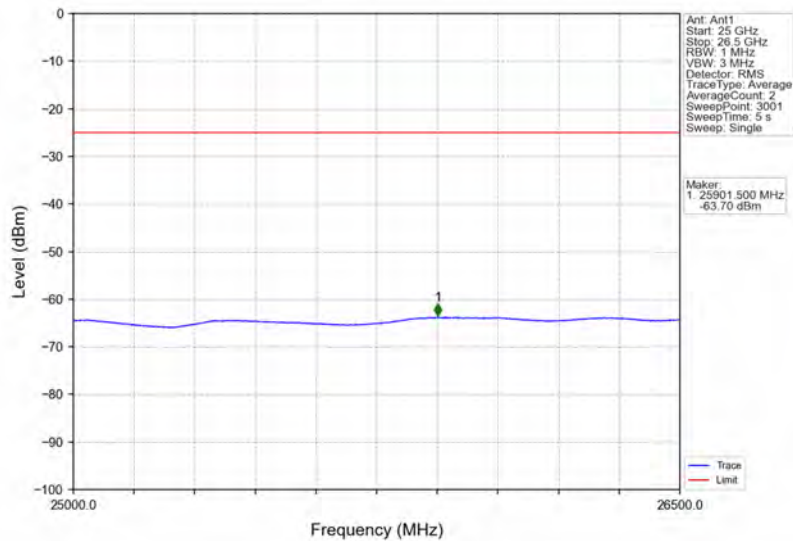
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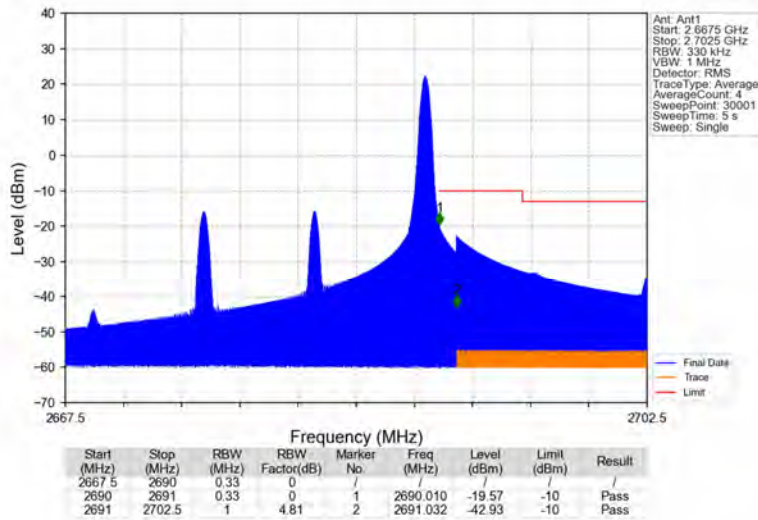
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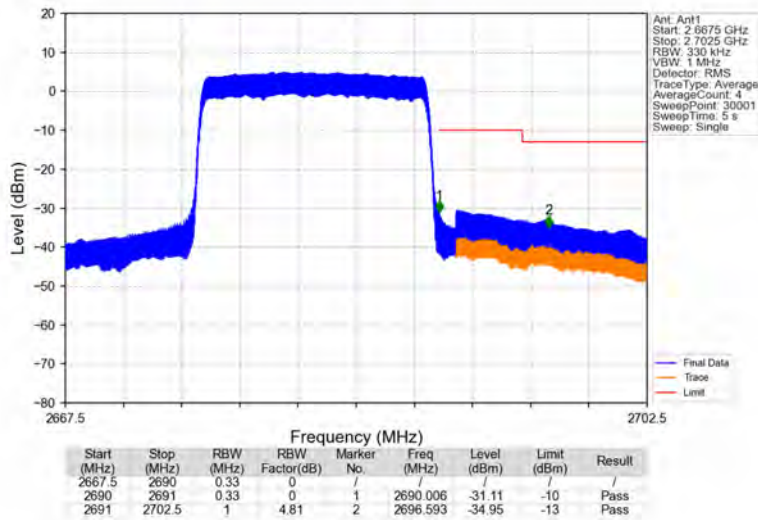
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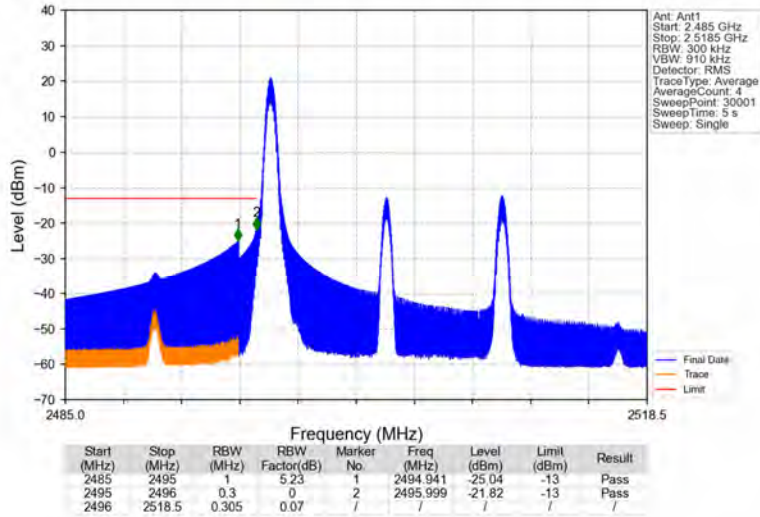
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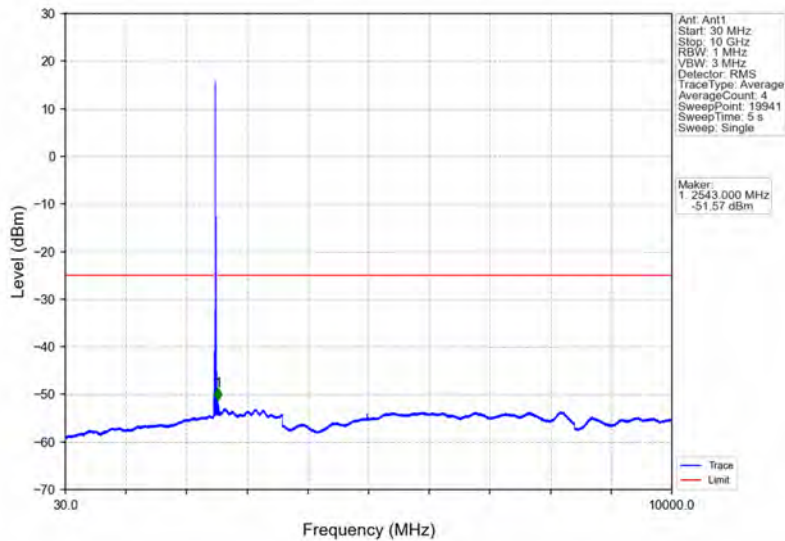
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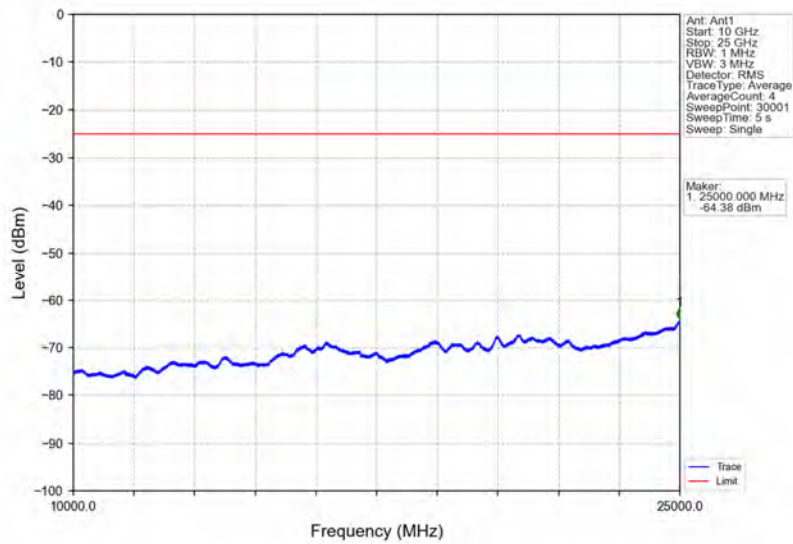
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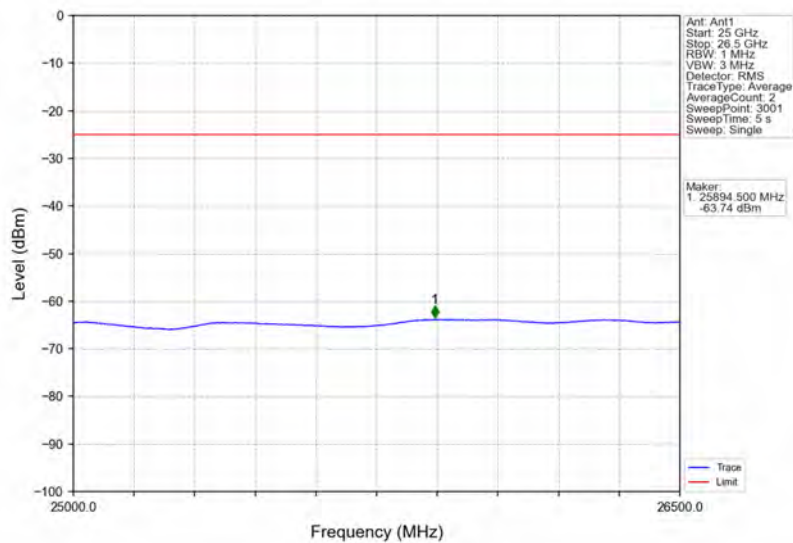
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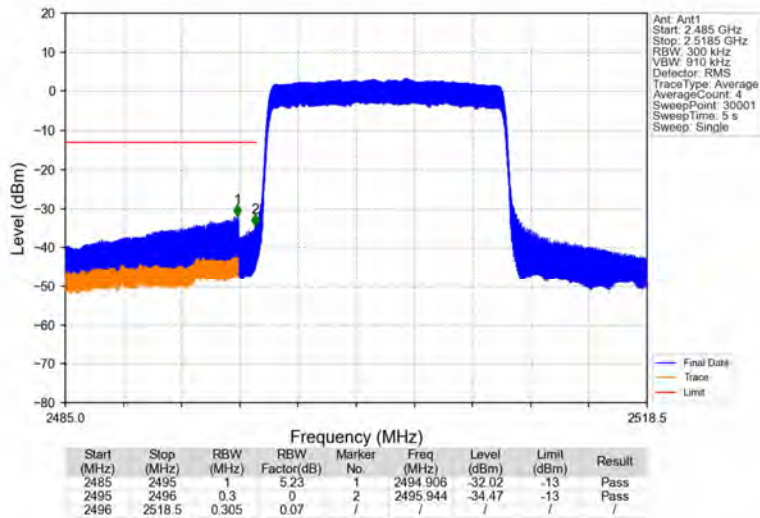
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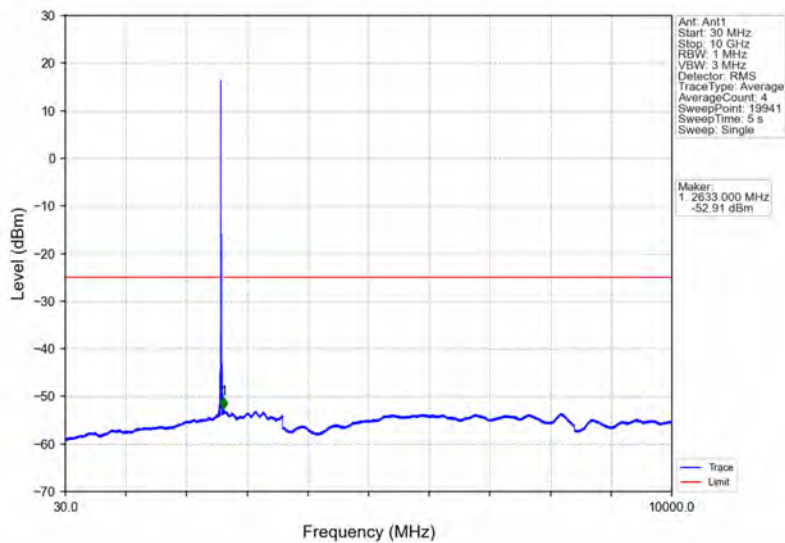
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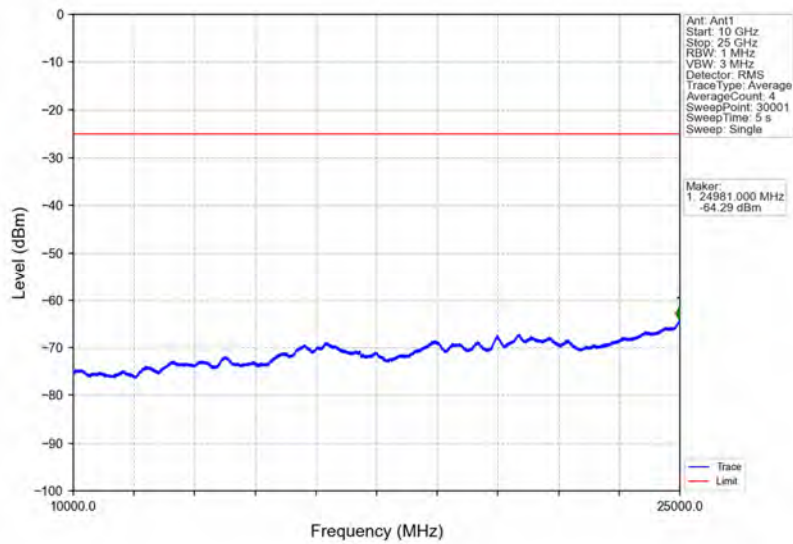
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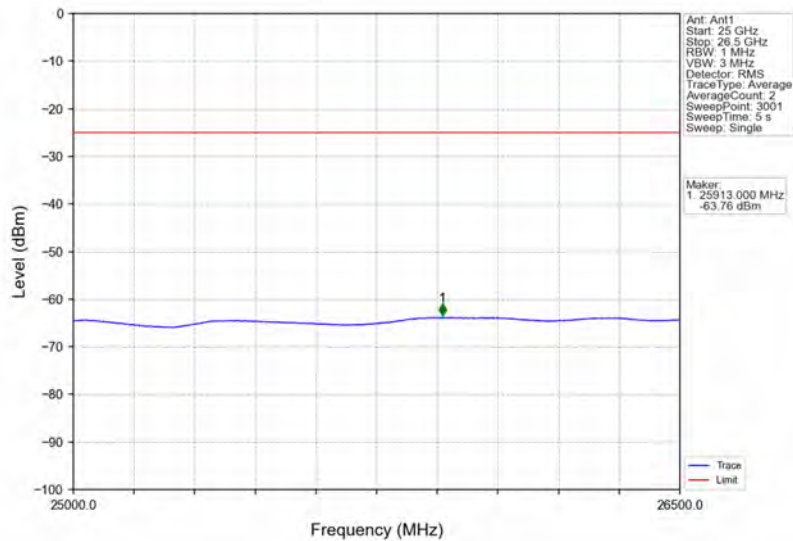
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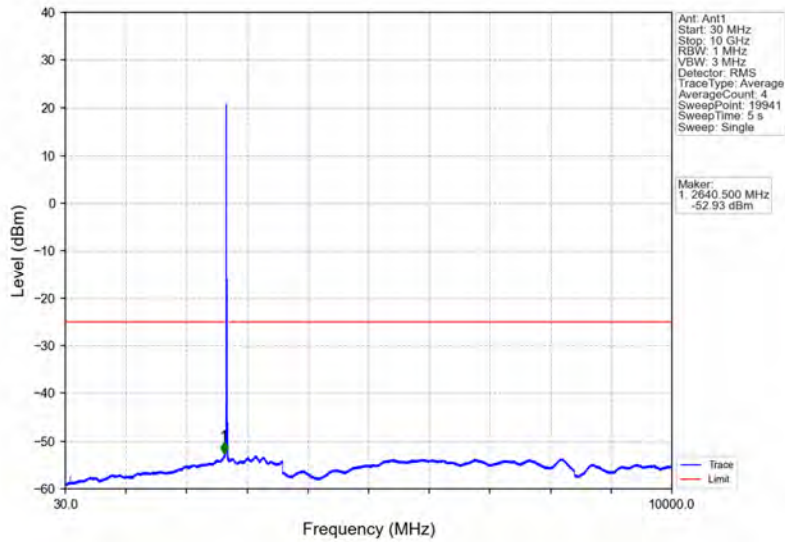
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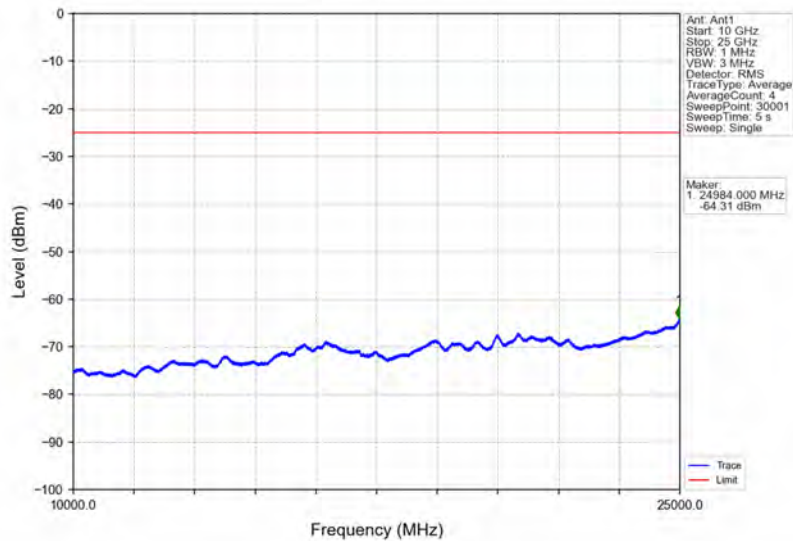


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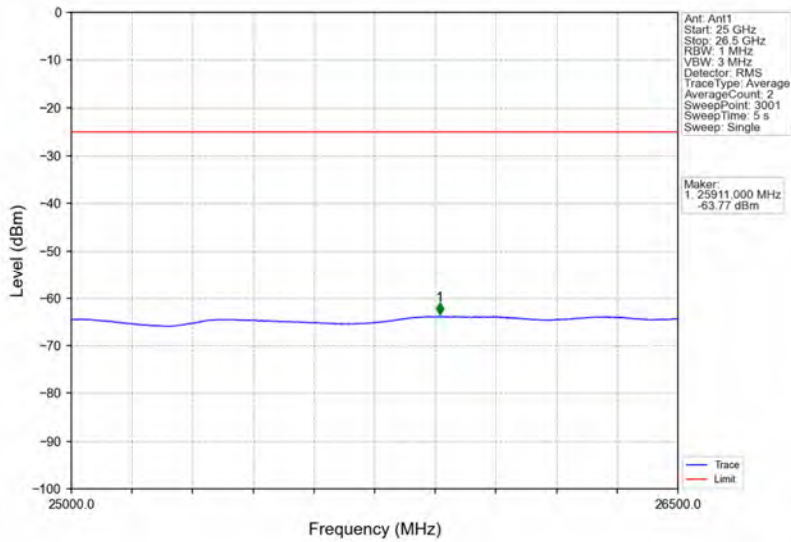
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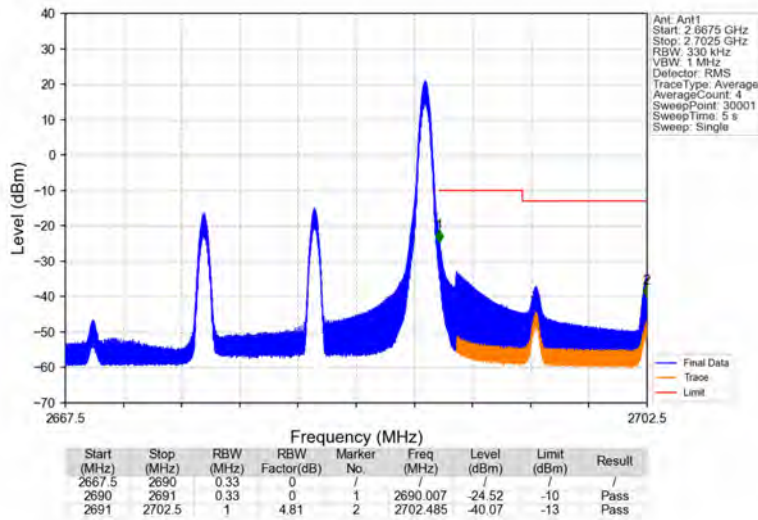
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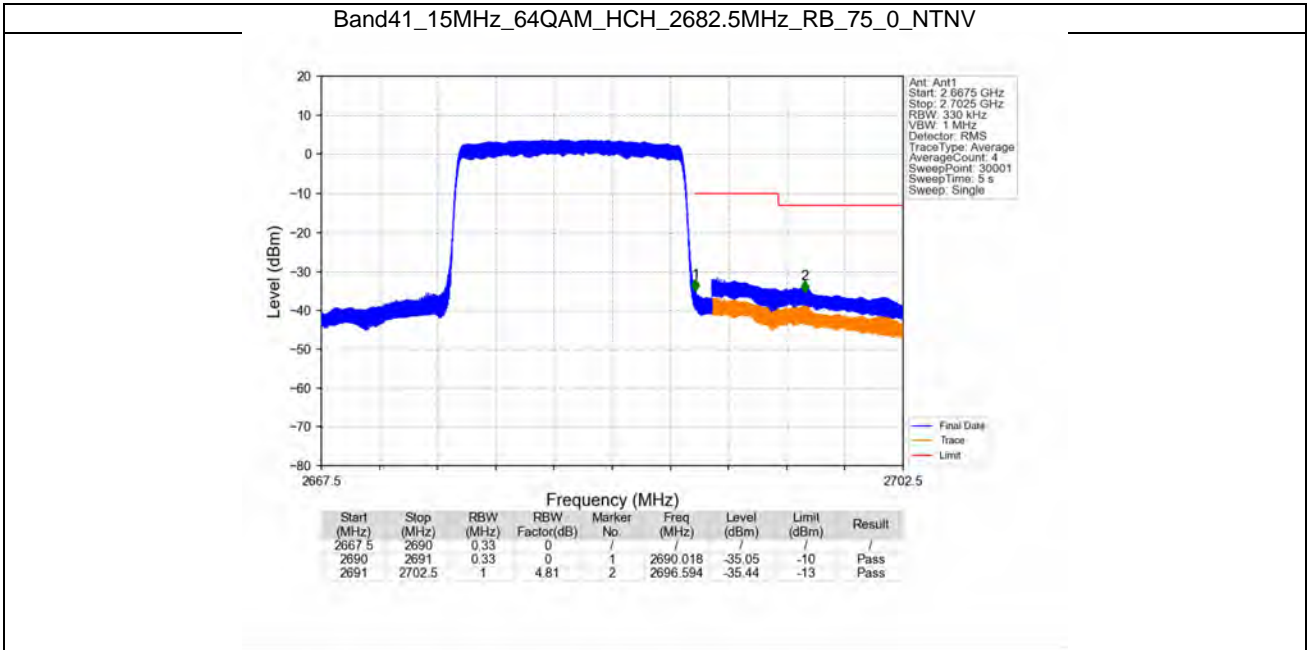
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6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	2680	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	2680	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	2680	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

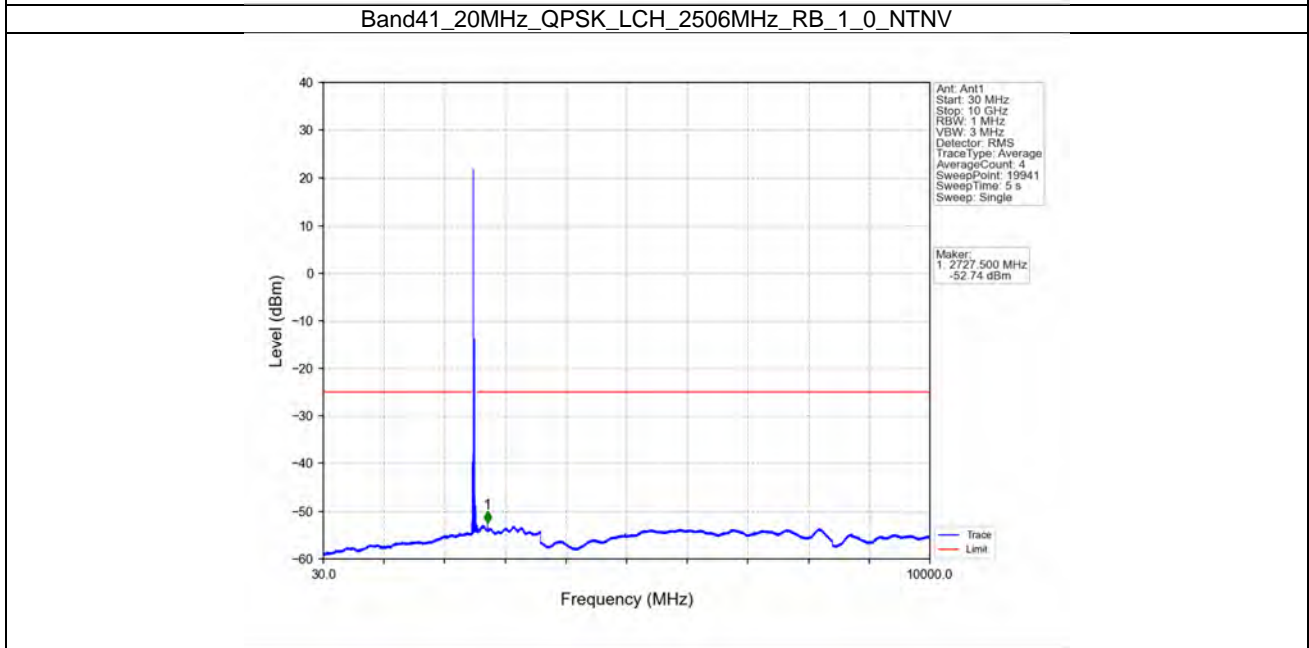
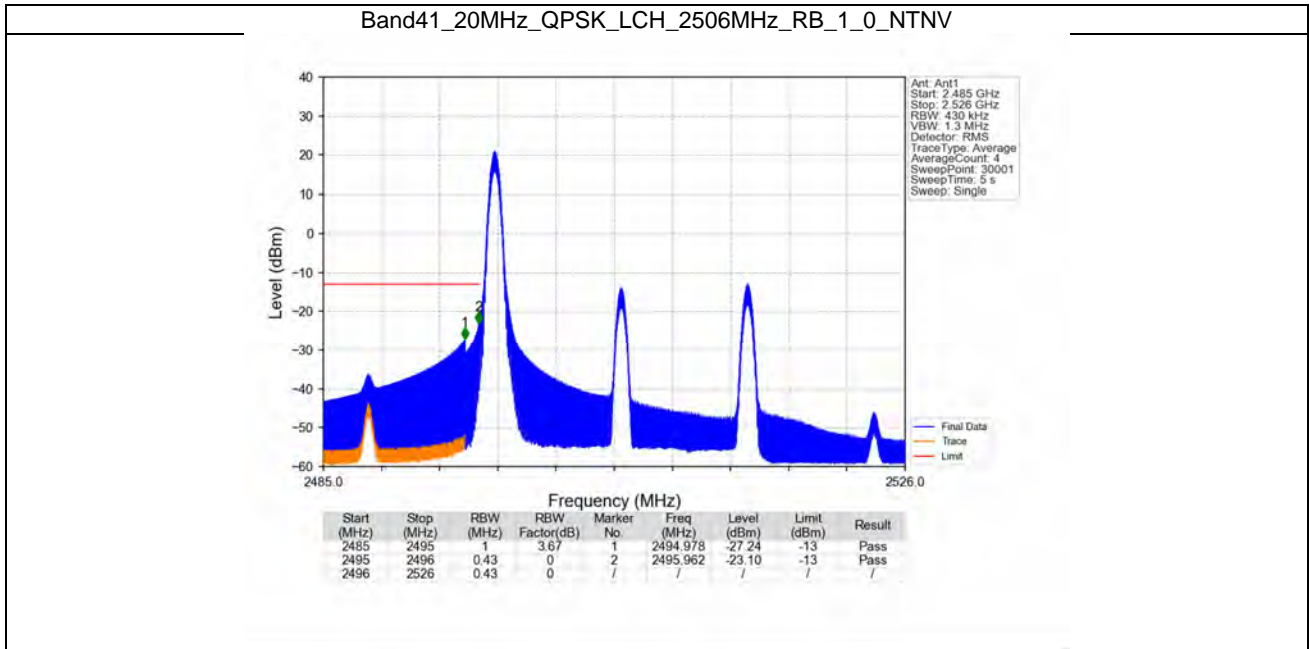


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6.4.2 Test Graph



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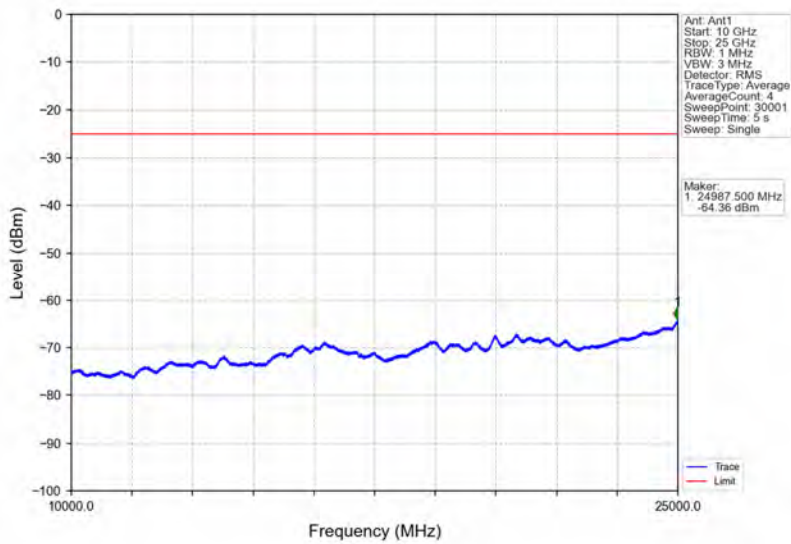
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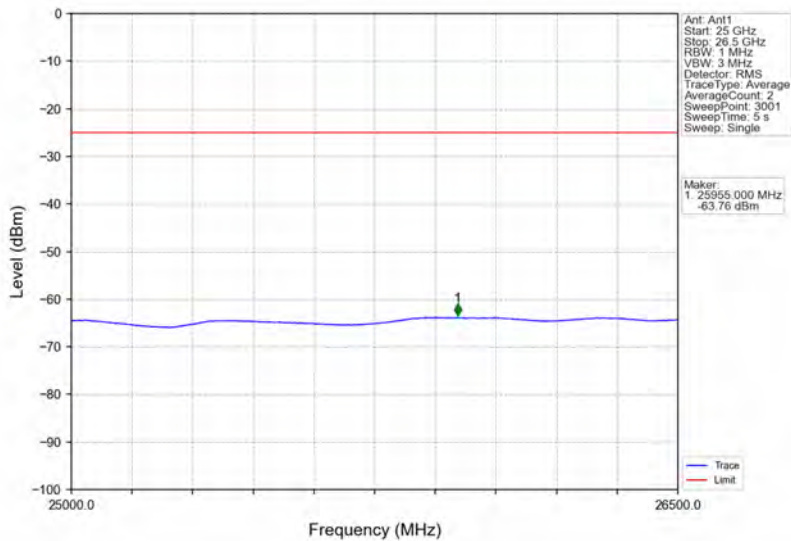
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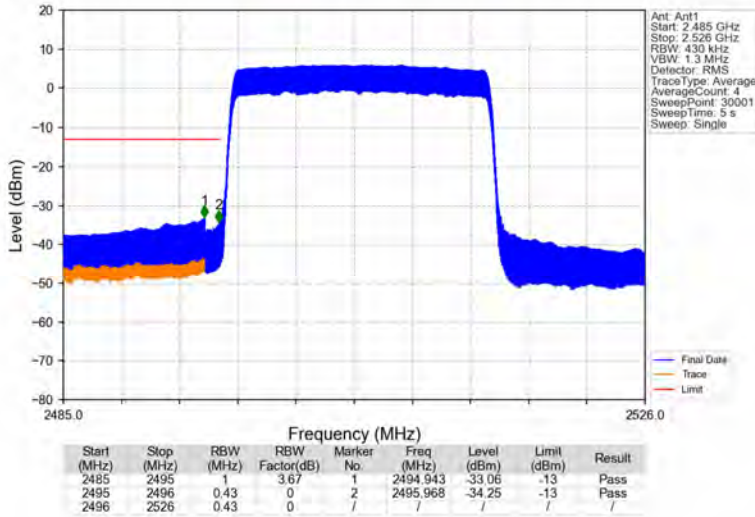
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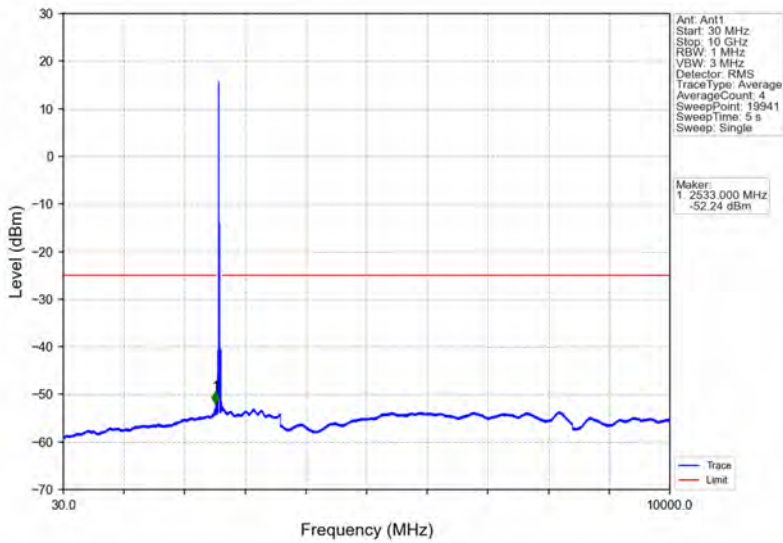


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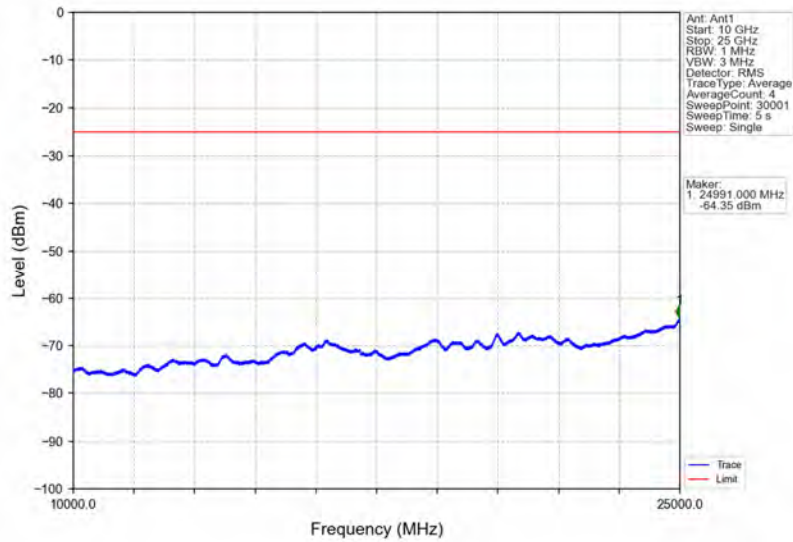
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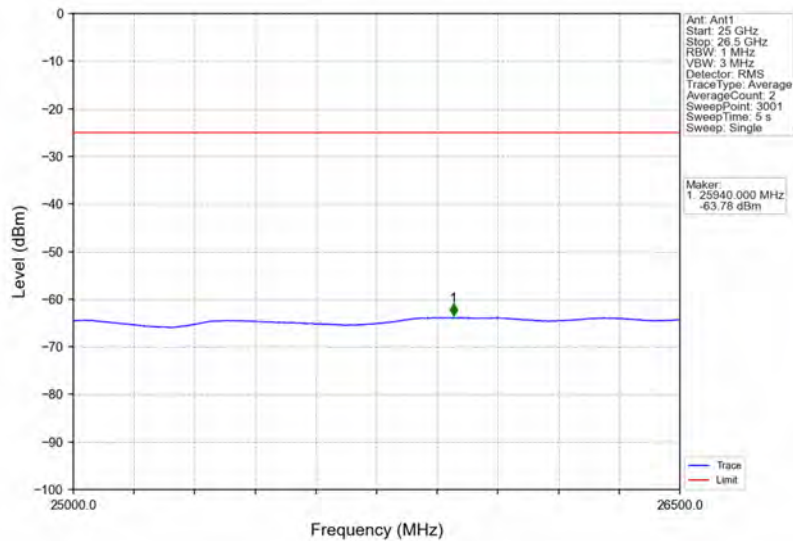


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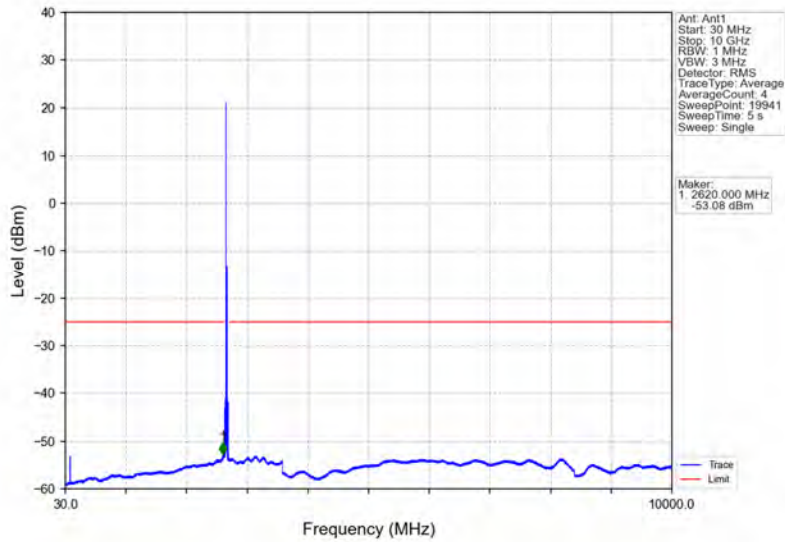
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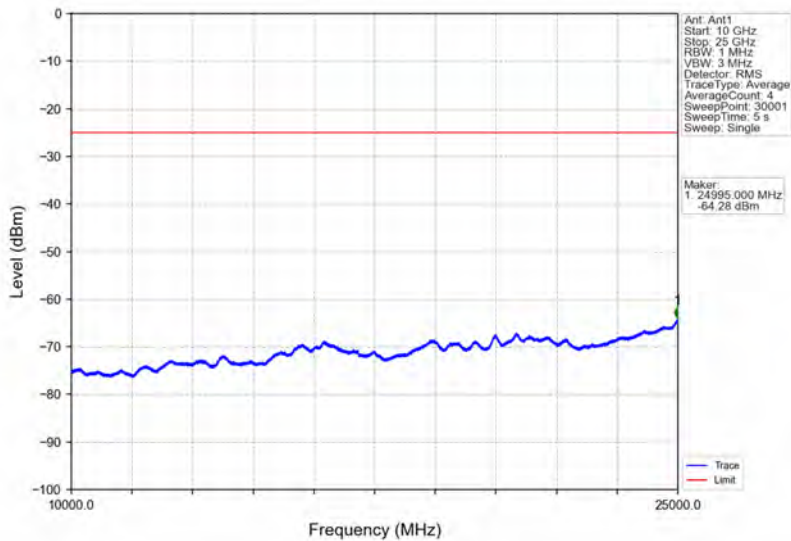


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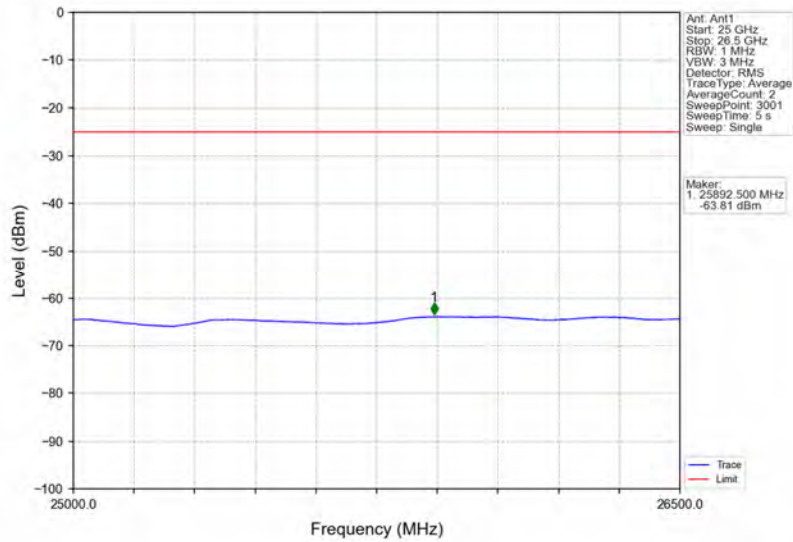
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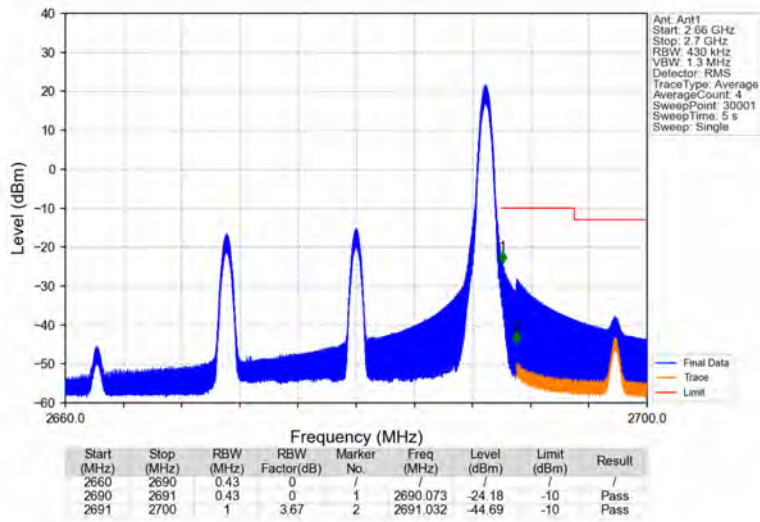


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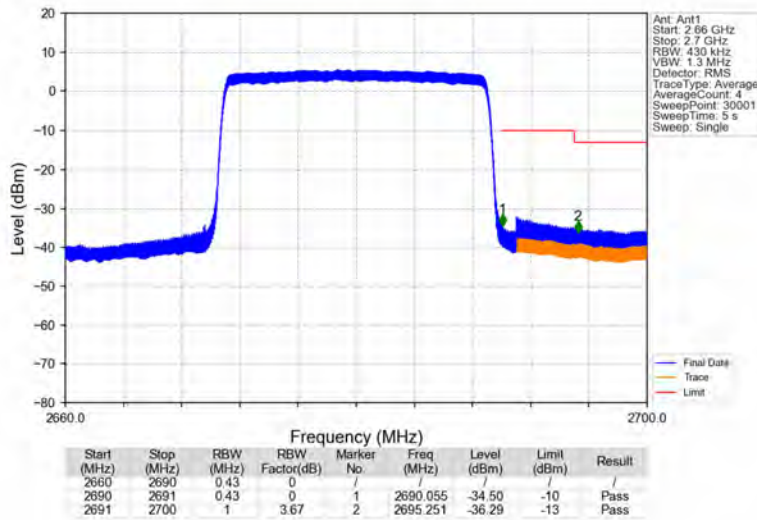
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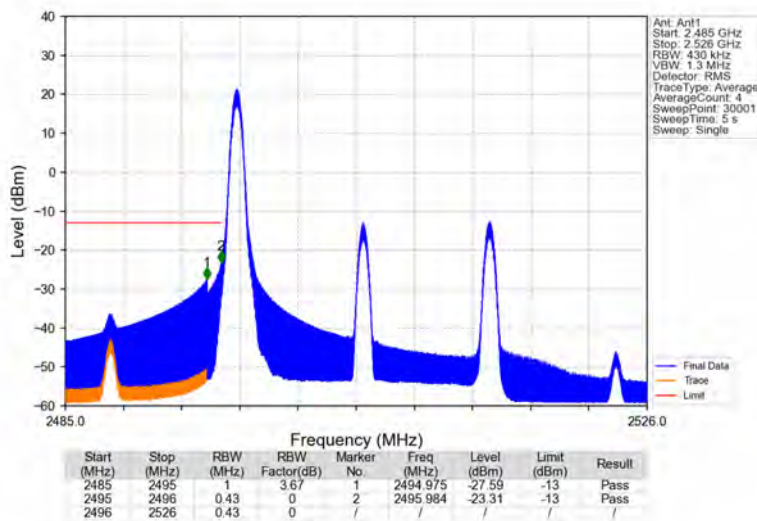
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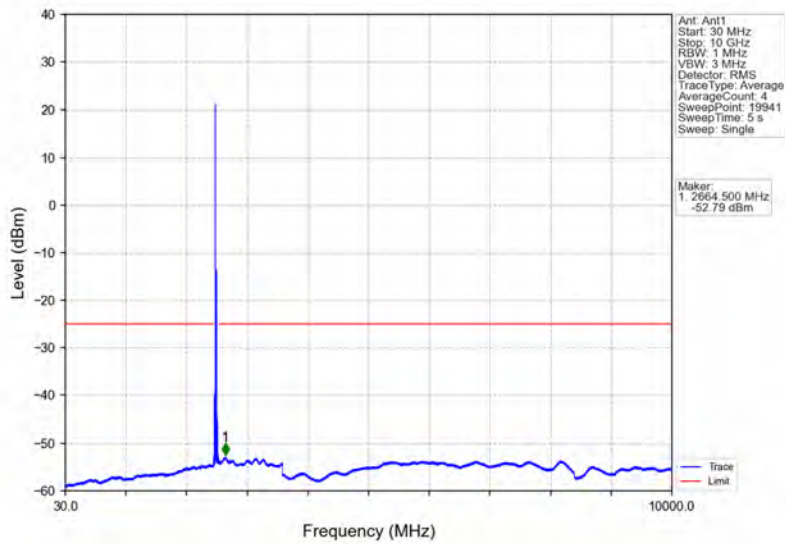
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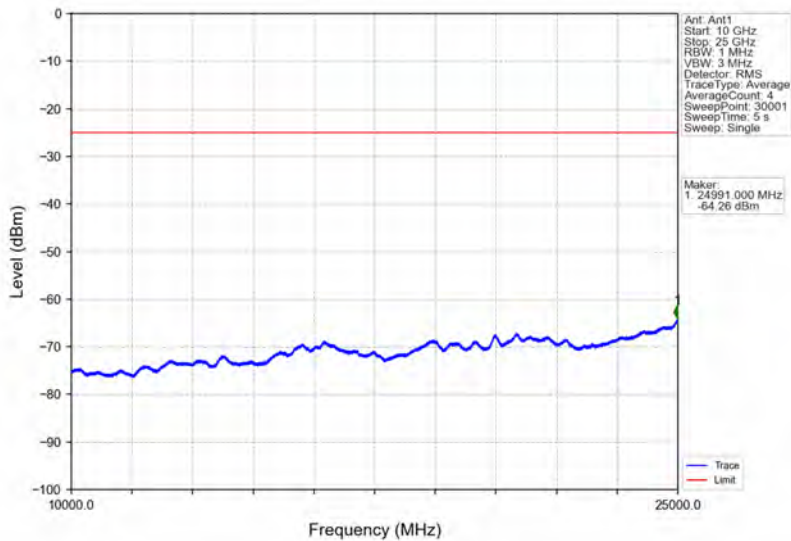
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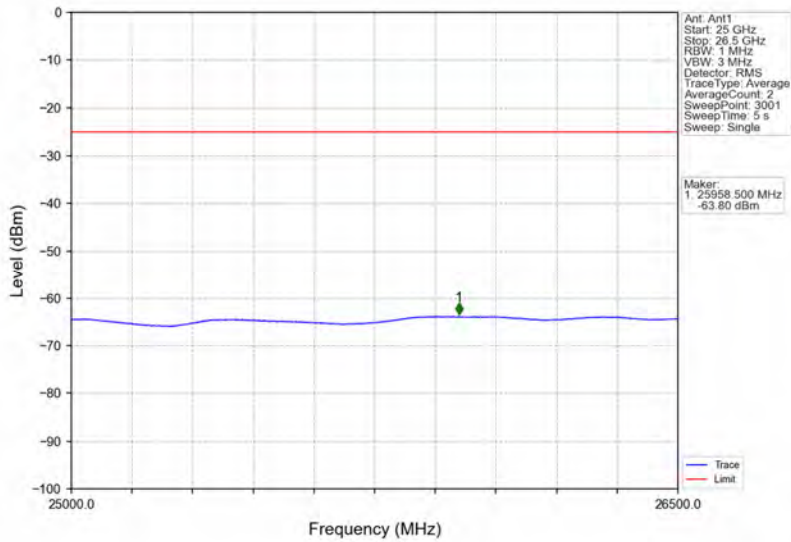
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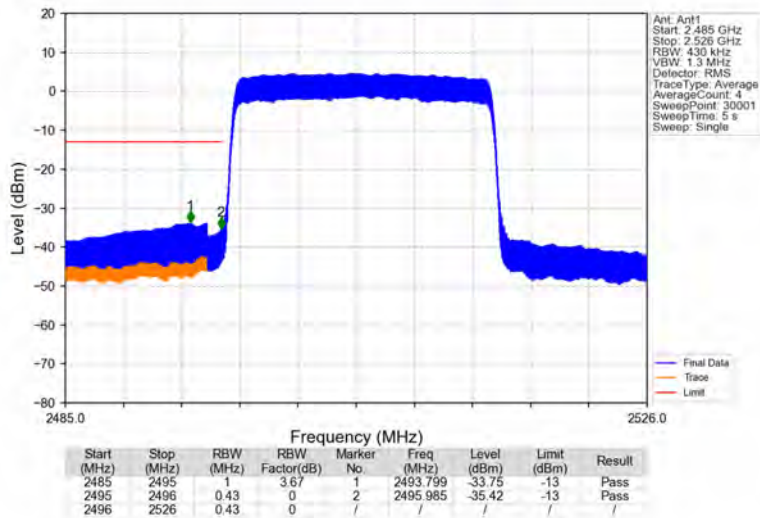


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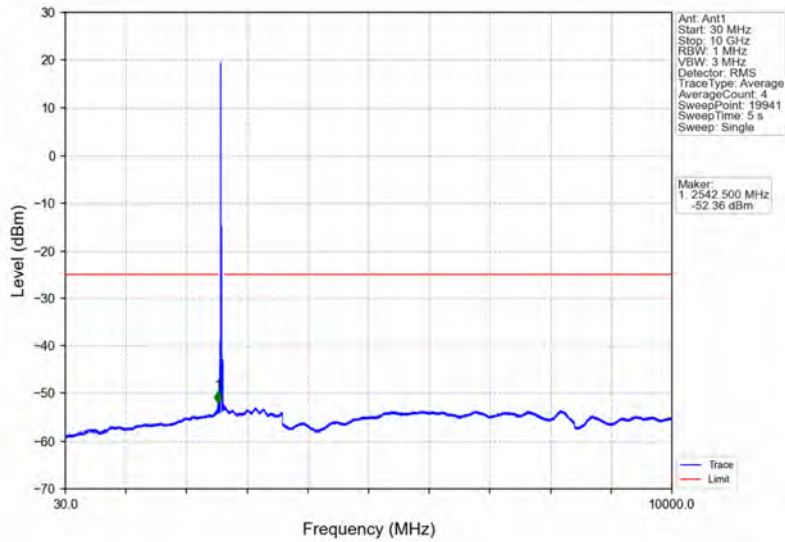
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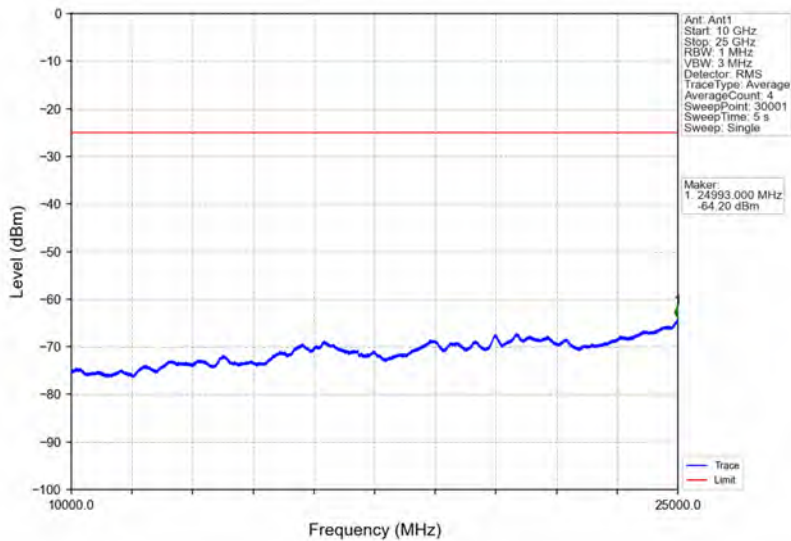
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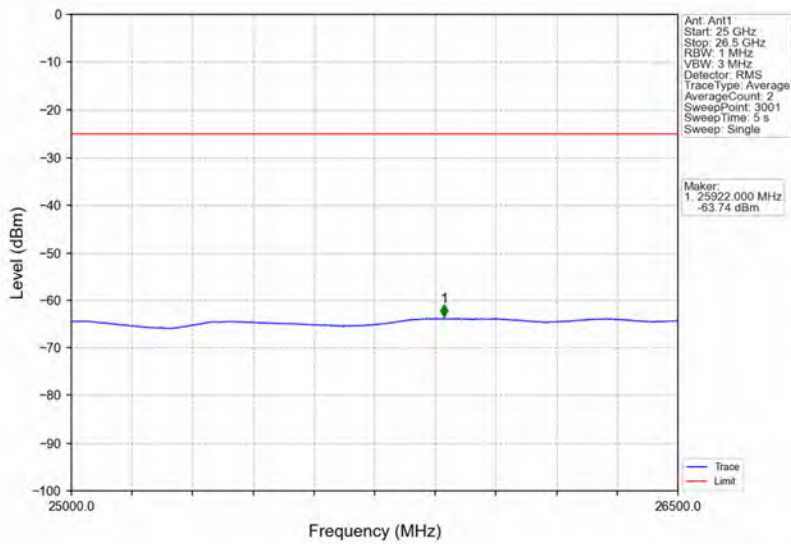
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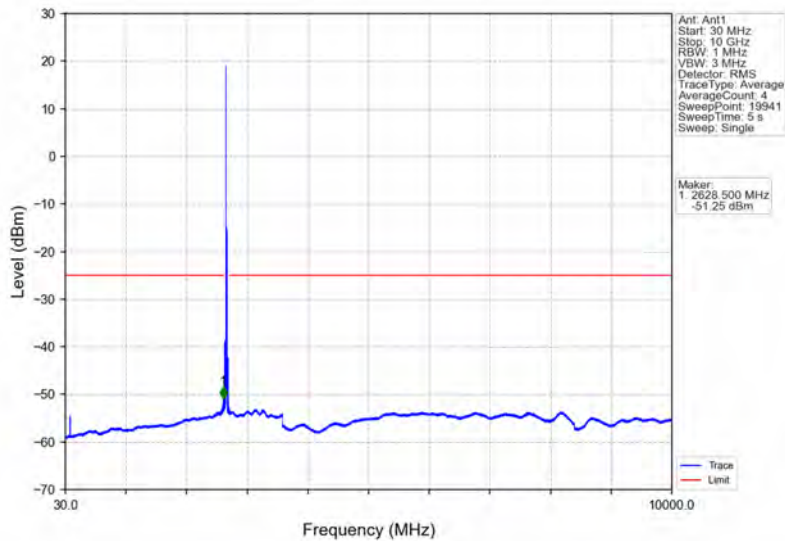
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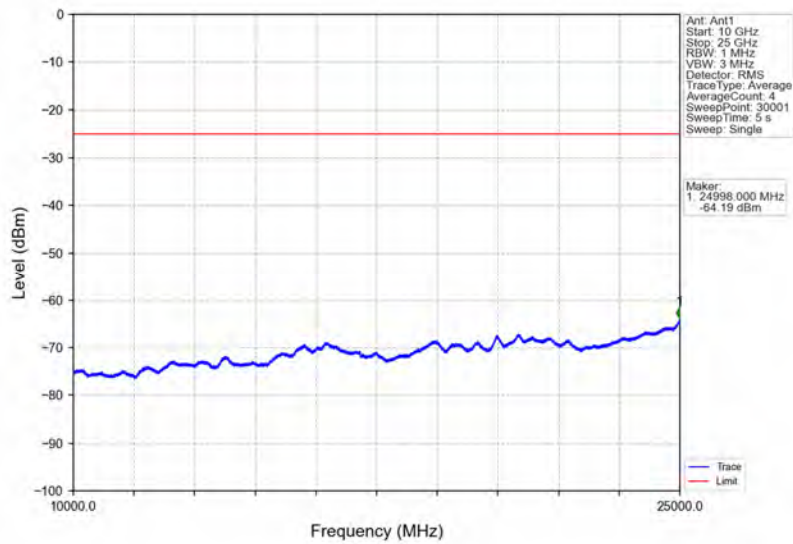
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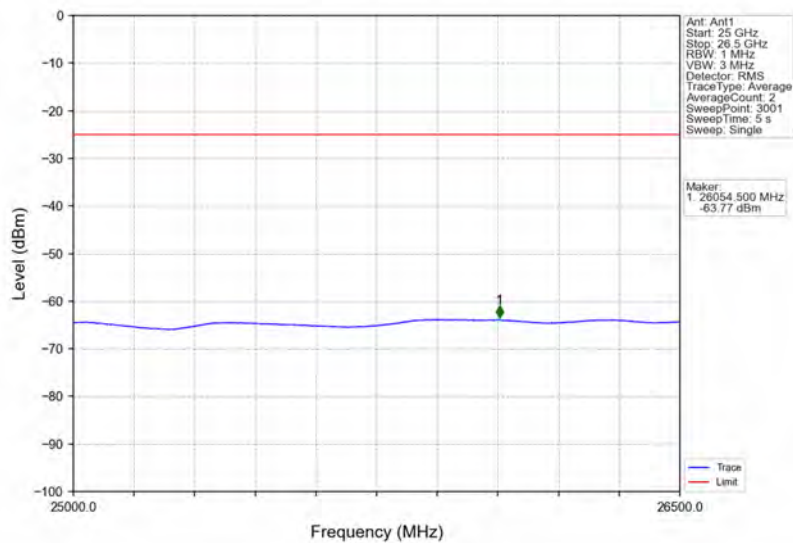


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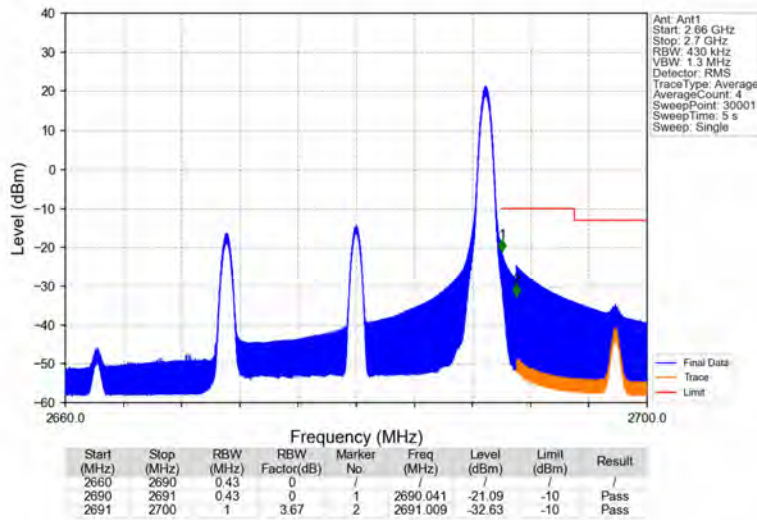
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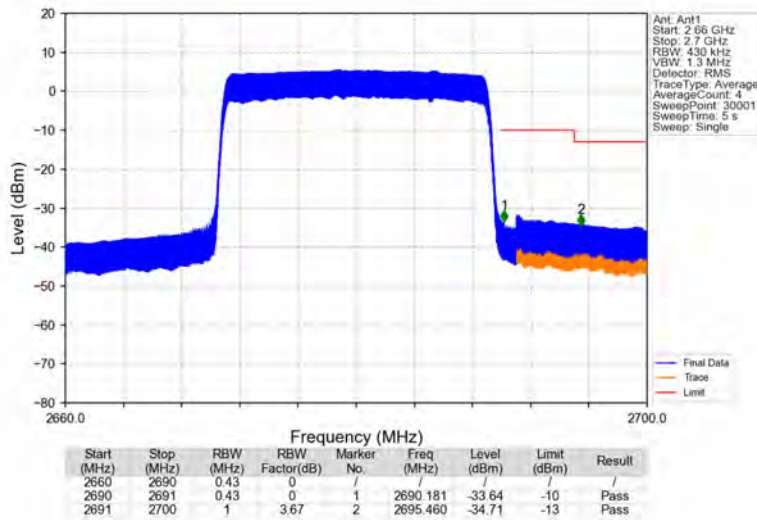
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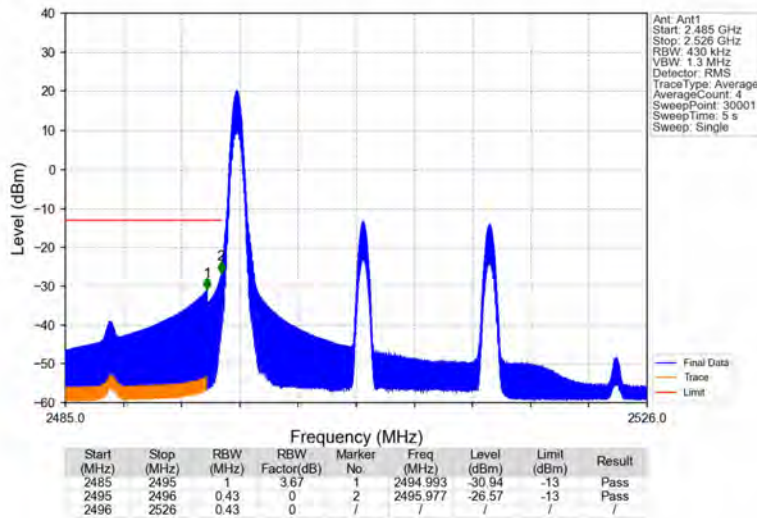
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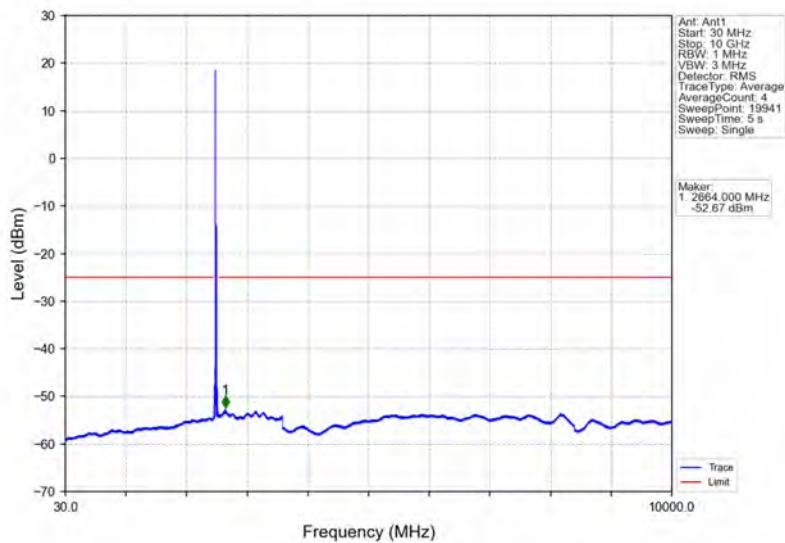
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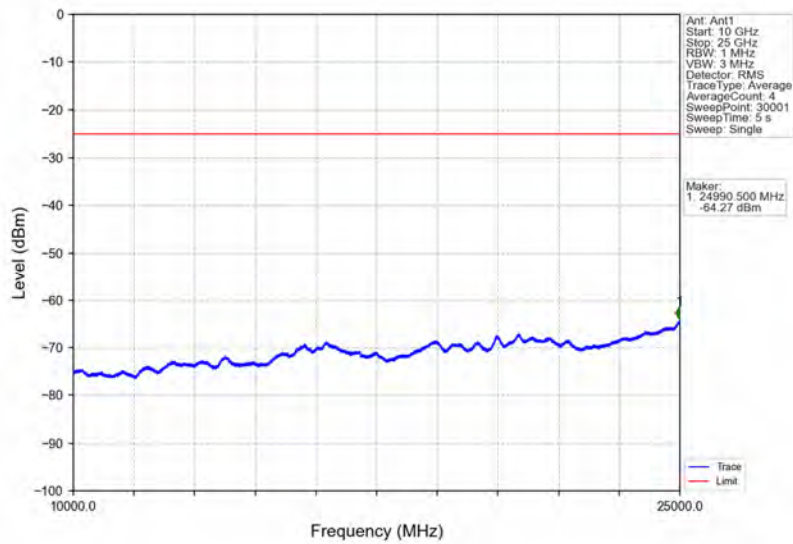
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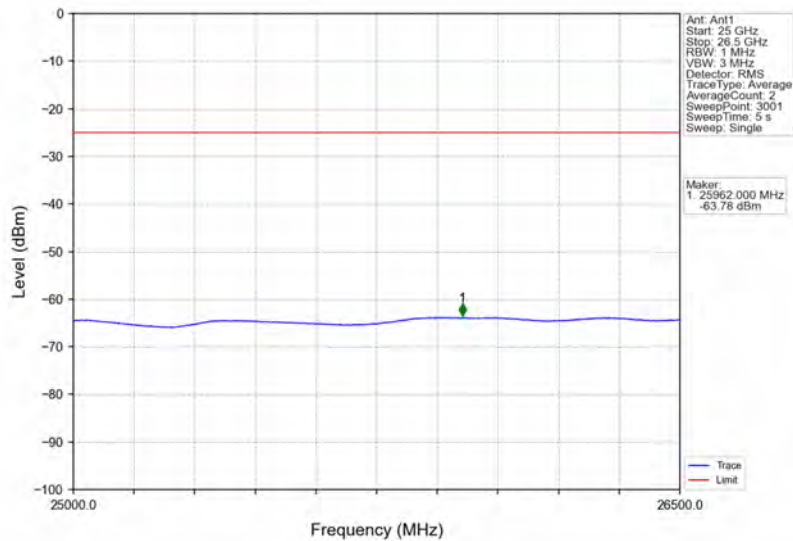
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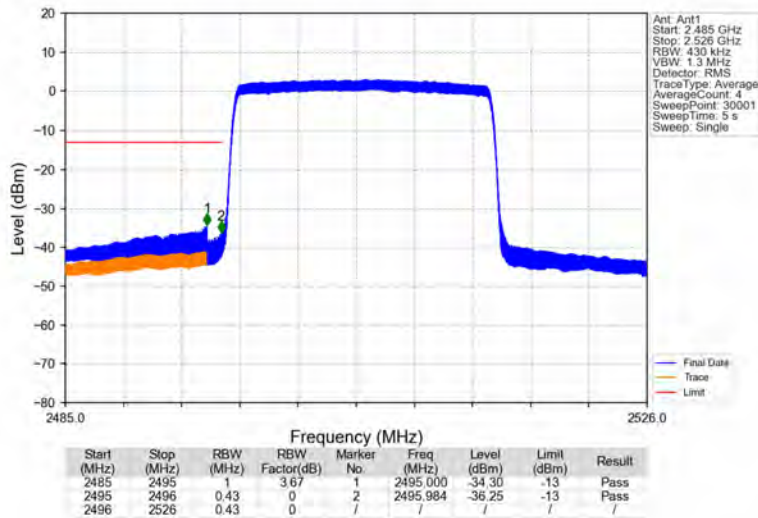
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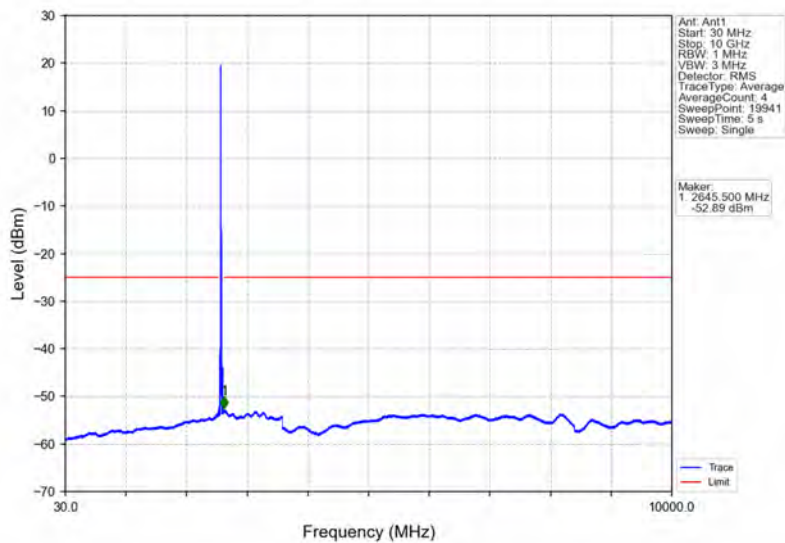


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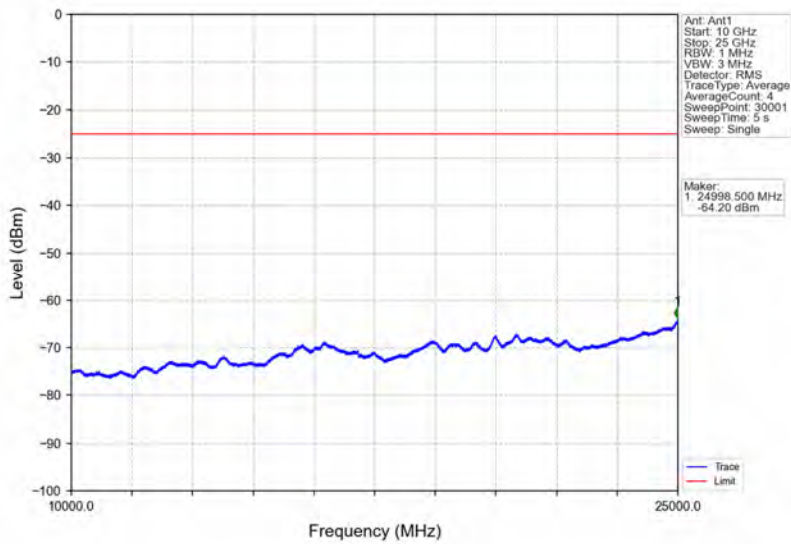
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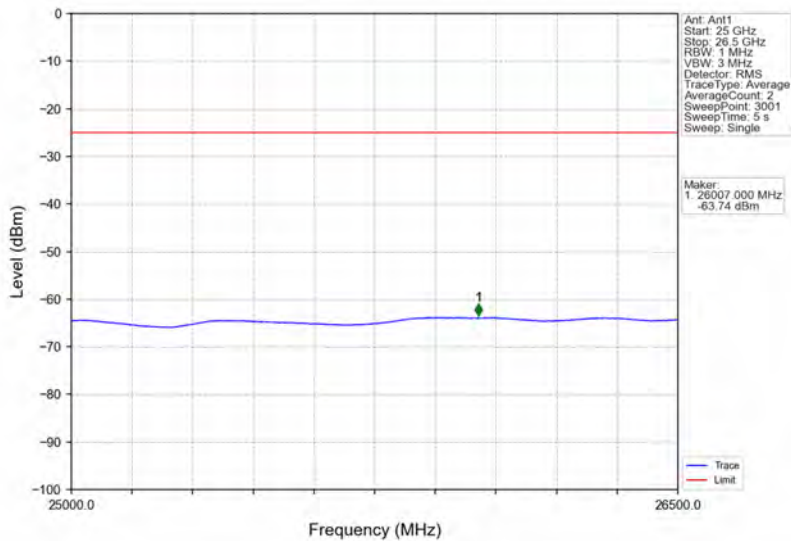
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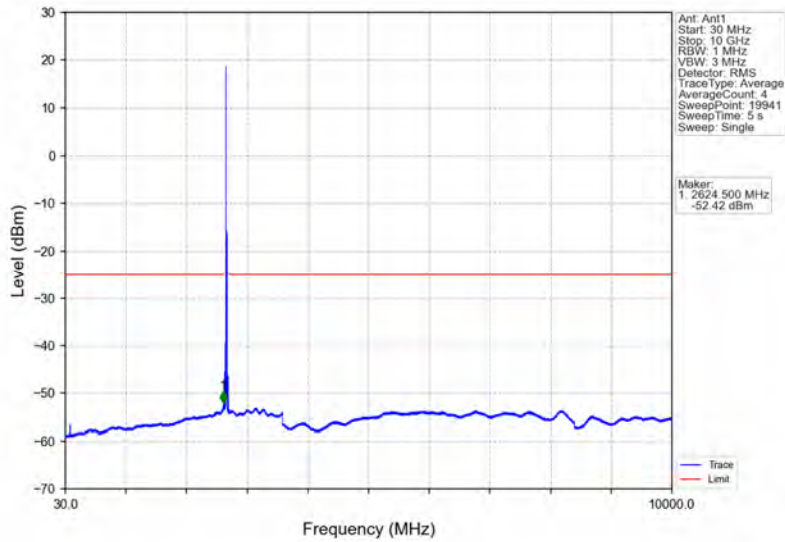
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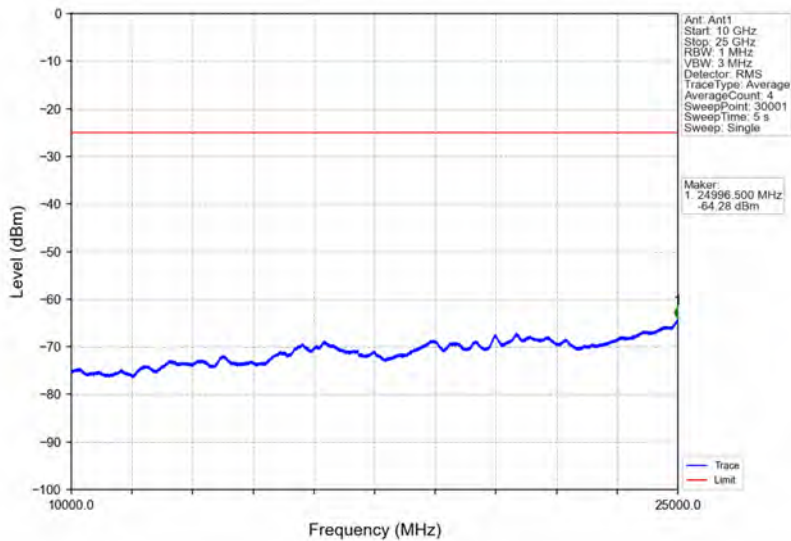
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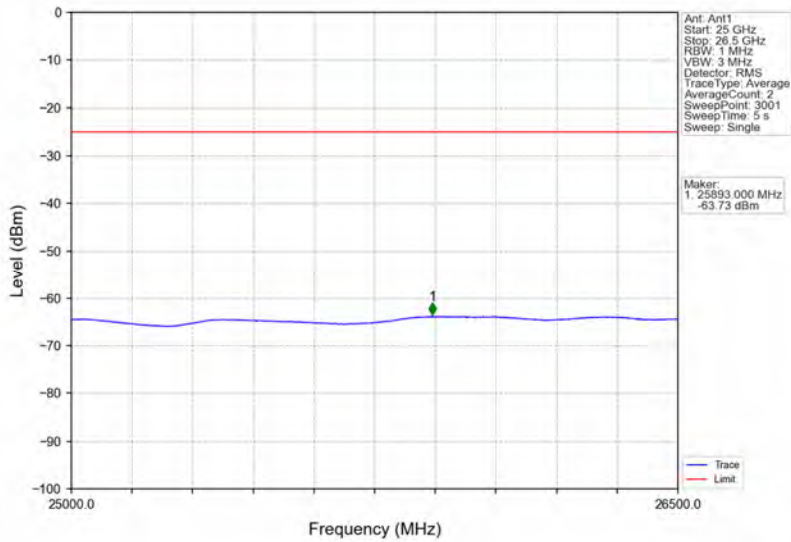
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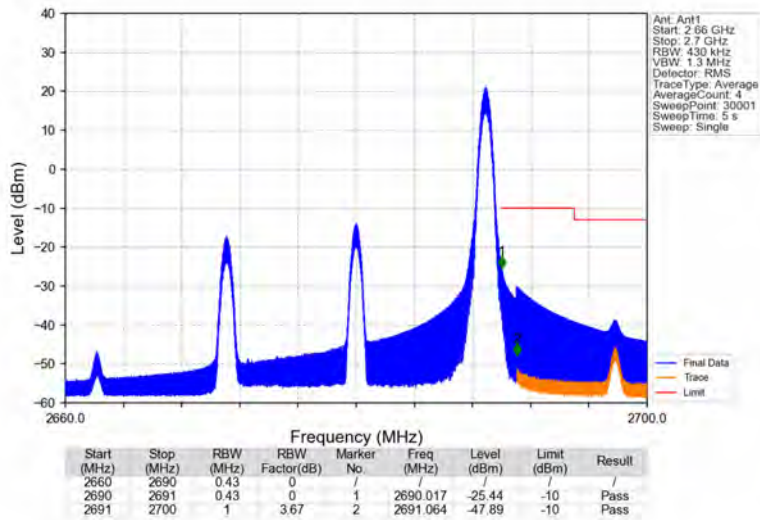


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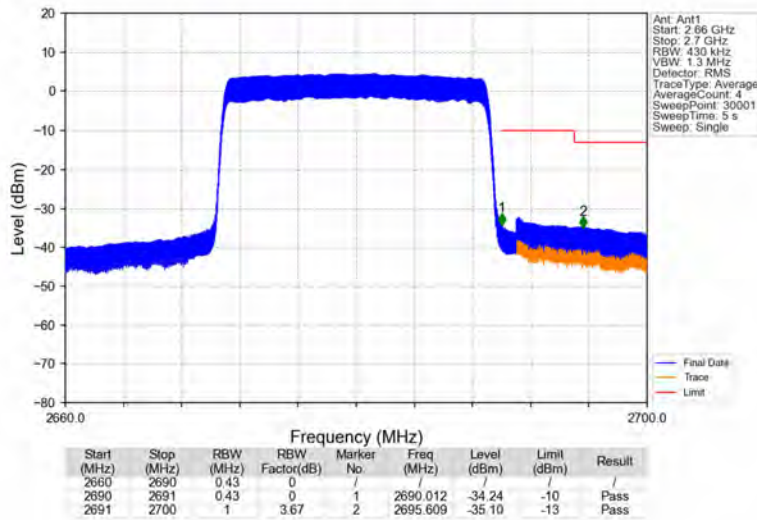
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