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Appendix B.9

LTE Band 7



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B7_5MHz_EIRP_Ant1

1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2502.5	1	0	24.22	-0.20	24.02	<=33.01	Pass	
			13	24.38	-0.20	24.18	<=33.01	Pass	
			24	24.25	-0.20	24.05	<=33.01	Pass	
		12	0	23.27	-0.20	23.07	<=33.01	Pass	
			6	23.34	-0.20	23.14	<=33.01	Pass	
			13	23.30	-0.20	23.10	<=33.01	Pass	
		25	0	23.34	-0.20	23.14	<=33.01	Pass	
		2535	1	0	24.23	-0.20	24.03	<=33.01	Pass
				13	24.32	-0.20	24.12	<=33.01	Pass
	24			24.18	-0.20	23.98	<=33.01	Pass	
	12		0	23.31	-0.20	23.11	<=33.01	Pass	
			6	23.34	-0.20	23.14	<=33.01	Pass	
			13	23.28	-0.20	23.08	<=33.01	Pass	
	25		0	23.28	-0.20	23.08	<=33.01	Pass	
	2567.5		1	0	24.23	-0.20	24.03	<=33.01	Pass
				13	24.35	-0.20	24.15	<=33.01	Pass
		24		24.23	-0.20	24.03	<=33.01	Pass	
		12	0	23.31	-0.20	23.11	<=33.01	Pass	
			6	23.34	-0.20	23.14	<=33.01	Pass	
			13	23.27	-0.20	23.07	<=33.01	Pass	
	25	0	23.31	-0.20	23.11	<=33.01	Pass		
	16QAM	2502.5	1	0	23.39	-0.20	23.19	<=33.01	Pass
				13	23.53	-0.20	23.33	<=33.01	Pass
				24	23.43	-0.20	23.23	<=33.01	Pass
12			0	22.36	-0.20	22.16	<=33.01	Pass	
			6	22.42	-0.20	22.22	<=33.01	Pass	
			13	22.39	-0.20	22.19	<=33.01	Pass	
25			0	22.42	-0.20	22.22	<=33.01	Pass	
2535			1	0	23.39	-0.20	23.19	<=33.01	Pass
				13	23.47	-0.20	23.27	<=33.01	Pass
		24		23.40	-0.20	23.20	<=33.01	Pass	
		12	0	22.31	-0.20	22.11	<=33.01	Pass	
			6	22.37	-0.20	22.17	<=33.01	Pass	
			13	22.28	-0.20	22.08	<=33.01	Pass	



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	2567.5	1	25	0	22.25	-0.20	22.05	<=33.01	Pass		
			12	0	23.34	-0.20	23.14	<=33.01	Pass		
				13	23.41	-0.20	23.21	<=33.01	Pass		
				24	23.24	-0.20	23.04	<=33.01	Pass		
		25	0	22.27	-0.20	22.07	<=33.01	Pass			
			6	22.32	-0.20	22.12	<=33.01	Pass			
			13	22.24	-0.20	22.04	<=33.01	Pass			
		64QAM	2502.5	1	25	0	22.33	-0.20	22.13	<=33.01	Pass
					12	0	22.63	-0.20	22.43	<=33.01	Pass
						13	22.72	-0.20	22.52	<=33.01	Pass
24	22.63					-0.20	22.43	<=33.01	Pass		
25	0			21.24	-0.20	21.04	<=33.01	Pass			
	6			21.32	-0.20	21.12	<=33.01	Pass			
	13			21.32	-0.20	21.12	<=33.01	Pass			
2535	1			25	0	21.25	-0.20	21.05	<=33.01	Pass	
				12	0	22.74	-0.20	22.54	<=33.01	Pass	
					13	22.83	-0.20	22.63	<=33.01	Pass	
		24	22.76		-0.20	22.56	<=33.01	Pass			
	25	0	21.17	-0.20	20.97	<=33.01	Pass				
		6	21.20	-0.20	21.00	<=33.01	Pass				
		13	21.13	-0.20	20.93	<=33.01	Pass				
	2567.5	1	25	0	21.09	-0.20	20.89	<=33.01	Pass		
			12	0	22.18	-0.20	21.98	<=33.01	Pass		
				13	22.22	-0.20	22.02	<=33.01	Pass		
24				22.11	-0.20	21.91	<=33.01	Pass			
25		0	21.19	-0.20	20.99	<=33.01	Pass				
		6	21.24	-0.20	21.04	<=33.01	Pass				
		13	21.13	-0.20	20.93	<=33.01	Pass				
25		0	21.14	-0.20	20.94	<=33.01	Pass				



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1.2 B7_10MHz_EIRP

1.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2505	1	0	24.22	-0.20	24.02	<=33.01	Pass	
			25	24.39	-0.20	24.19	<=33.01	Pass	
			49	24.20	-0.20	24.00	<=33.01	Pass	
		25	0	23.35	-0.20	23.15	<=33.01	Pass	
			13	23.41	-0.20	23.21	<=33.01	Pass	
			25	23.43	-0.20	23.23	<=33.01	Pass	
		50	0	23.39	-0.20	23.19	<=33.01	Pass	
		2535	1	0	24.34	-0.20	24.14	<=33.01	Pass
				25	24.39	-0.20	24.19	<=33.01	Pass
	49			24.28	-0.20	24.08	<=33.01	Pass	
	25		0	23.42	-0.20	23.22	<=33.01	Pass	
			13	23.33	-0.20	23.13	<=33.01	Pass	
			25	23.34	-0.20	23.14	<=33.01	Pass	
	50		0	23.32	-0.20	23.12	<=33.01	Pass	
	2565		1	0	24.29	-0.20	24.09	<=33.01	Pass
				25	24.39	-0.20	24.19	<=33.01	Pass
		49		24.23	-0.20	24.03	<=33.01	Pass	
		25	0	23.39	-0.20	23.19	<=33.01	Pass	
			13	23.37	-0.20	23.17	<=33.01	Pass	
			25	23.36	-0.20	23.16	<=33.01	Pass	
	50	0	23.33	-0.20	23.13	<=33.01	Pass		
	16QAM	2505	1	0	23.48	-0.20	23.28	<=33.01	Pass
				25	23.64	-0.20	23.44	<=33.01	Pass
				49	23.48	-0.20	23.28	<=33.01	Pass
25			0	22.41	-0.20	22.21	<=33.01	Pass	
			13	22.44	-0.20	22.24	<=33.01	Pass	
			25	22.50	-0.20	22.30	<=33.01	Pass	
50			0	22.44	-0.20	22.24	<=33.01	Pass	
2535			1	0	23.21	-0.20	23.01	<=33.01	Pass
				25	23.33	-0.20	23.13	<=33.01	Pass
		49		23.17	-0.20	22.97	<=33.01	Pass	
		25	0	22.43	-0.20	22.23	<=33.01	Pass	
			13	22.35	-0.20	22.15	<=33.01	Pass	
			25	22.35	-0.20	22.15	<=33.01	Pass	
		50	0	22.34	-0.20	22.14	<=33.01	Pass	
		2565	1	0	23.56	-0.20	23.36	<=33.01	Pass
				25	23.57	-0.20	23.37	<=33.01	Pass
49				23.41	-0.20	23.21	<=33.01	Pass	



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64QAM	2505	25	0	22.42	-0.20	22.22	<=33.01	Pass
			13	22.39	-0.20	22.19	<=33.01	Pass
			25	22.36	-0.20	22.16	<=33.01	Pass
		50	0	22.34	-0.20	22.14	<=33.01	Pass
			1	22.23	-0.20	22.03	<=33.01	Pass
			25	22.35	-0.20	22.15	<=33.01	Pass
	2535	25	49	22.23	-0.20	22.03	<=33.01	Pass
			0	21.29	-0.20	21.09	<=33.01	Pass
			13	21.32	-0.20	21.12	<=33.01	Pass
		50	25	21.36	-0.20	21.16	<=33.01	Pass
			0	21.25	-0.20	21.05	<=33.01	Pass
			1	22.52	-0.20	22.32	<=33.01	Pass
	2565	25	25	22.66	-0.20	22.46	<=33.01	Pass
			49	22.53	-0.20	22.33	<=33.01	Pass
			0	21.21	-0.20	21.01	<=33.01	Pass
		50	13	21.15	-0.20	20.95	<=33.01	Pass
			25	21.17	-0.20	20.97	<=33.01	Pass
			0	21.23	-0.20	21.03	<=33.01	Pass
	2505	25	0	22.32	-0.20	22.12	<=33.01	Pass
			25	22.38	-0.20	22.18	<=33.01	Pass
			49	22.19	-0.20	21.99	<=33.01	Pass
		50	0	21.23	-0.20	21.03	<=33.01	Pass
			13	21.19	-0.20	20.99	<=33.01	Pass
			25	21.18	-0.20	20.98	<=33.01	Pass
2565	50	21.21	-0.20	21.01	<=33.01	Pass		



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1.3 B7_15MHz_EIRP

1.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2507.5	1	0	24.17	-0.20	23.97	<=33.01	Pass		
			38	24.24	-0.20	24.04	<=33.01	Pass		
			74	24.09	-0.20	23.89	<=33.01	Pass		
		36	0	23.25	-0.20	23.05	<=33.01	Pass		
			18	23.32	-0.20	23.12	<=33.01	Pass		
			39	23.32	-0.20	23.12	<=33.01	Pass		
		75	0	23.33	-0.20	23.13	<=33.01	Pass		
		2535	1	0	24.27	-0.20	24.07	<=33.01	Pass	
				38	24.30	-0.20	24.10	<=33.01	Pass	
	74			24.19	-0.20	23.99	<=33.01	Pass		
	36		0	23.44	-0.20	23.24	<=33.01	Pass		
			18	23.38	-0.20	23.18	<=33.01	Pass		
			39	23.32	-0.20	23.12	<=33.01	Pass		
	75		0	23.39	-0.20	23.19	<=33.01	Pass		
	2562.5		1	0	24.21	-0.20	24.01	<=33.01	Pass	
				38	24.28	-0.20	24.08	<=33.01	Pass	
		74		24.19	-0.20	23.99	<=33.01	Pass		
		36	0	23.31	-0.20	23.11	<=33.01	Pass		
			18	23.34	-0.20	23.14	<=33.01	Pass		
			39	23.32	-0.20	23.12	<=33.01	Pass		
		75	0	23.34	-0.20	23.14	<=33.01	Pass		
		16QAM	2507.5	1	0	23.41	-0.20	23.21	<=33.01	Pass
					38	23.52	-0.20	23.32	<=33.01	Pass
	74				23.36	-0.20	23.16	<=33.01	Pass	
36	0			22.29	-0.20	22.09	<=33.01	Pass		
	18			22.30	-0.20	22.10	<=33.01	Pass		
	39			22.28	-0.20	22.08	<=33.01	Pass		
75	0			22.32	-0.20	22.12	<=33.01	Pass		
2535	1			0	23.15	-0.20	22.95	<=33.01	Pass	
				38	23.20	-0.20	23.00	<=33.01	Pass	
			74	23.10	-0.20	22.90	<=33.01	Pass		
	36		0	22.33	-0.20	22.13	<=33.01	Pass		
			18	22.29	-0.20	22.09	<=33.01	Pass		
			39	22.23	-0.20	22.03	<=33.01	Pass		
	75		0	22.39	-0.20	22.19	<=33.01	Pass		
	2562.5		1	0	23.57	-0.20	23.37	<=33.01	Pass	
				38	23.57	-0.20	23.37	<=33.01	Pass	
74				23.35	-0.20	23.15	<=33.01	Pass		



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		36	0	22.34	-0.20	22.14	<=33.01	Pass	
			18	22.37	-0.20	22.17	<=33.01	Pass	
			39	22.31	-0.20	22.11	<=33.01	Pass	
		75	0	22.28	-0.20	22.08	<=33.01	Pass	
64QAM	2507.5	1	0	22.18	-0.20	21.98	<=33.01	Pass	
			38	22.28	-0.20	22.08	<=33.01	Pass	
			74	22.10	-0.20	21.90	<=33.01	Pass	
		36	0	21.26	-0.20	21.06	<=33.01	Pass	
			18	21.33	-0.20	21.13	<=33.01	Pass	
			39	21.30	-0.20	21.10	<=33.01	Pass	
		75	0	21.31	-0.20	21.11	<=33.01	Pass	
		2535	1	0	22.46	-0.20	22.26	<=33.01	Pass
				38	22.52	-0.20	22.32	<=33.01	Pass
	74			22.47	-0.20	22.27	<=33.01	Pass	
	36		0	21.29	-0.20	21.09	<=33.01	Pass	
			18	21.25	-0.20	21.05	<=33.01	Pass	
			39	21.21	-0.20	21.01	<=33.01	Pass	
	75		0	21.30	-0.20	21.10	<=33.01	Pass	
	2562.5		1	0	22.63	-0.20	22.43	<=33.01	Pass
				38	22.60	-0.20	22.40	<=33.01	Pass
		74		22.41	-0.20	22.21	<=33.01	Pass	
		36	0	21.30	-0.20	21.10	<=33.01	Pass	
			18	21.32	-0.20	21.12	<=33.01	Pass	
			39	21.21	-0.20	21.01	<=33.01	Pass	
		75	0	21.30	-0.20	21.10	<=33.01	Pass	



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1.4 B7_20MHz_EIRP

1.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2510	1	0	24.15	-0.20	23.95	<=33.01	Pass	
			50	24.42	-0.20	24.22	<=33.01	Pass	
			99	24.15	-0.20	23.95	<=33.01	Pass	
		50	0	23.23	-0.20	23.03	<=33.01	Pass	
			25	23.29	-0.20	23.09	<=33.01	Pass	
			50	23.34	-0.20	23.14	<=33.01	Pass	
		100	0	23.27	-0.20	23.07	<=33.01	Pass	
		2535	1	0	24.05	-0.20	23.85	<=33.01	Pass
				50	24.19	-0.20	23.99	<=33.01	Pass
	99			24.04	-0.20	23.84	<=33.01	Pass	
	50		0	23.40	-0.20	23.20	<=33.01	Pass	
			25	23.33	-0.20	23.13	<=33.01	Pass	
			50	23.25	-0.20	23.05	<=33.01	Pass	
	100	0	23.34	-0.20	23.14	<=33.01	Pass		
	2560	1	0	24.27	-0.20	24.07	<=33.01	Pass	
			50	24.49	-0.20	24.29	<=33.01	Pass	
			99	24.20	-0.20	24.00	<=33.01	Pass	
		50	0	23.30	-0.20	23.10	<=33.01	Pass	
			25	23.33	-0.20	23.13	<=33.01	Pass	
			50	23.23	-0.20	23.03	<=33.01	Pass	
	100	0	23.26	-0.20	23.06	<=33.01	Pass		
	16QAM	2510	1	0	23.36	-0.20	23.16	<=33.01	Pass
				50	23.59	-0.20	23.39	<=33.01	Pass
				99	23.29	-0.20	23.09	<=33.01	Pass
50			0	22.36	-0.20	22.16	<=33.01	Pass	
			25	22.34	-0.20	22.14	<=33.01	Pass	
			50	22.41	-0.20	22.21	<=33.01	Pass	
100			0	22.31	-0.20	22.11	<=33.01	Pass	
2535			1	0	23.20	-0.20	23.00	<=33.01	Pass
				50	23.47	-0.20	23.27	<=33.01	Pass
		99		23.24	-0.20	23.04	<=33.01	Pass	
		50	0	22.41	-0.20	22.21	<=33.01	Pass	
			25	22.36	-0.20	22.16	<=33.01	Pass	
			50	22.32	-0.20	22.12	<=33.01	Pass	
100		0	22.33	-0.20	22.13	<=33.01	Pass		
2560		1	0	23.39	-0.20	23.19	<=33.01	Pass	
			50	23.54	-0.20	23.34	<=33.01	Pass	
			99	23.19	-0.20	22.99	<=33.01	Pass	



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		50	0	22.35	-0.20	22.15	<=33.01	Pass	
			25	22.37	-0.20	22.17	<=33.01	Pass	
			50	22.28	-0.20	22.08	<=33.01	Pass	
		100	0	22.24	-0.20	22.04	<=33.01	Pass	
64QAM	2510	1	0	22.56	-0.20	22.36	<=33.01	Pass	
			50	22.77	-0.20	22.57	<=33.01	Pass	
			99	22.44	-0.20	22.24	<=33.01	Pass	
		50	0	21.17	-0.20	20.97	<=33.01	Pass	
			25	21.28	-0.20	21.08	<=33.01	Pass	
			50	21.24	-0.20	21.04	<=33.01	Pass	
		100	0	21.22	-0.20	21.02	<=33.01	Pass	
		2535	1	0	22.07	-0.20	21.87	<=33.01	Pass
				50	22.32	-0.20	22.12	<=33.01	Pass
	99			22.16	-0.20	21.96	<=33.01	Pass	
	50		0	21.23	-0.20	21.03	<=33.01	Pass	
			25	21.22	-0.20	21.02	<=33.01	Pass	
			50	21.14	-0.20	20.94	<=33.01	Pass	
	100		0	21.20	-0.20	21.00	<=33.01	Pass	
	2560		1	0	22.58	-0.20	22.38	<=33.01	Pass
				50	22.71	-0.20	22.51	<=33.01	Pass
		99		22.38	-0.20	22.18	<=33.01	Pass	
		50	0	21.25	-0.20	21.05	<=33.01	Pass	
			25	21.28	-0.20	21.08	<=33.01	Pass	
			50	21.17	-0.20	20.97	<=33.01	Pass	
		100	0	21.24	-0.20	21.04	<=33.01	Pass	



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2. Frequency Stability

2.1 B7_5MHz

2.1.1 Test Result

Band: 7 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2502.5	25	0	20	3.6	-16.222	-0.0065	/	Pass	
					3.84	-8.583	-0.0034	/	Pass	
					4.3	-8.254	-0.0033	/	Pass	
				-30	3.84	3.319	0.0013	/	Pass	
					-20	3.84	-2.003	-0.0008	/	Pass
						-10	3.84	-7.339	-0.0029	/
				0	3.84	-8.941	-0.0036	/	Pass	
				10	3.84	-4.020	-0.0016	/	Pass	
				30	3.84	-11.988	-0.0048	/	Pass	
				40	3.84	-1.473	-0.0006	/	Pass	
	50	3.84	-0.486	-0.0002	/	Pass				
	2535	25	0	20	3.6	1.817	0.0007	/	Pass	
					3.84	-13.490	-0.0053	/	Pass	
					4.3	-8.898	-0.0035	/	Pass	
				-30	3.84	-2.990	-0.0012	/	Pass	
					-20	3.84	-4.563	-0.0018	/	Pass
						-10	3.84	-8.612	-0.0034	/
				0	3.84	0.143	0.0001	/	Pass	
				10	3.84	-7.939	-0.0031	/	Pass	
				30	3.84	4.921	0.0019	/	Pass	
				40	3.84	-7.467	-0.0029	/	Pass	
	50	3.84	-4.563	-0.0018	/	Pass				
	2567.5	25	0	20	3.6	1.044	0.0004	/	Pass	
					3.84	-1.488	-0.0006	/	Pass	
					4.3	-3.076	-0.0012	/	Pass	
				-30	3.84	-9.212	-0.0036	/	Pass	
					-20	3.84	-10.371	-0.0040	/	Pass
-10						3.84	-1.874	-0.0007	/	Pass
0				3.84	0.315	0.0001	/	Pass		
10				3.84	-6.351	-0.0025	/	Pass		
30				3.84	-3.948	-0.0015	/	Pass		
40				3.84	5.822	0.0023	/	Pass		
50	3.84	2.704	0.0011	/	Pass					
16QAM	2502.5	25	0	20	3.6	-13.275	-0.0053	/	Pass	
					3.84	1.144	0.0005	/	Pass	



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64QAM	2535	25	0		4.3	1.774	0.0007	/	Pass	
				-30	3.84	1.545	0.0006	/	Pass	
				-20	3.84	-3.176	-0.0013	/	Pass	
				-10	3.84	-15.521	-0.0062	/	Pass	
				0	3.84	-7.553	-0.0030	/	Pass	
				10	3.84	3.991	0.0016	/	Pass	
				30	3.84	-4.478	-0.0018	/	Pass	
				40	3.84	-7.424	-0.0030	/	Pass	
				50	3.84	-10.314	-0.0041	/	Pass	
	2567.5	25	0	20		3.6	4.735	0.0019	/	Pass
						3.84	-5.851	-0.0023	/	Pass
						4.3	6.223	0.0025	/	Pass
					-30	3.84	5.250	0.0021	/	Pass
					-20	3.84	-2.975	-0.0012	/	Pass
					-10	3.84	-2.818	-0.0011	/	Pass
					0	3.84	-8.683	-0.0034	/	Pass
					10	3.84	-6.666	-0.0026	/	Pass
					30	3.84	9.799	0.0039	/	Pass
	2502.5	25	0	20		3.6	7.582	0.0030	/	Pass
						3.84	-15.893	-0.0062	/	Pass
						4.3	4.048	0.0016	/	Pass
					-30	3.84	3.076	0.0012	/	Pass
					-20	3.84	-3.448	-0.0013	/	Pass
					-10	3.84	-6.595	-0.0026	/	Pass
					0	3.84	6.809	0.0027	/	Pass
					10	3.84	7.668	0.0030	/	Pass
					30	3.84	-5.779	-0.0023	/	Pass
	2535	25	0	20		3.6	-2.146	-0.0009	/	Pass
					3.84	5.579	0.0022	/	Pass	
					4.3	1.345	0.0005	/	Pass	
-30					3.84	-3.433	-0.0014	/	Pass	
-20					3.84	-6.680	-0.0027	/	Pass	
-10					3.84	-1.502	-0.0006	/	Pass	
0					3.84	0.415	0.0002	/	Pass	
10					3.84	-6.337	-0.0025	/	Pass	
30					3.84	-11.401	-0.0046	/	Pass	
2535	25	0	20		3.6	6.909	0.0027	/	Pass	
					3.84	1.559	0.0006	/	Pass	
					4.3	-6.237	-0.0025	/	Pass	
				-30	3.84	-8.268	-0.0033	/	Pass	
				-20	3.84	-2.718	-0.0011	/	Pass	
				-10	3.84	-2.832	-0.0011	/	Pass	



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				0	3.84	-5.922	-0.0023	/	Pass
				10	3.84	2.604	0.0010	/	Pass
				30	3.84	-0.443	-0.0002	/	Pass
				40	3.84	-5.479	-0.0022	/	Pass
				50	3.84	-12.560	-0.0050	/	Pass
	2567.5	25	0	20	3.6	-15.049	-0.0059	/	Pass
3.84					6.251	0.0024	/	Pass	
4.3					5.879	0.0023	/	Pass	
-30				3.84	-10.500	-0.0041	/	Pass	
-20				3.84	-2.389	-0.0009	/	Pass	
-10				3.84	-9.155	-0.0036	/	Pass	
0				3.84	-8.941	-0.0035	/	Pass	
10				3.84	-0.958	-0.0004	/	Pass	
30				3.84	-4.663	-0.0018	/	Pass	
40				3.84	-5.064	-0.0020	/	Pass	
50				3.84	-3.204	-0.0012	/	Pass	



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2.2 B7_10MHz

2.2.1 Test Result

Band: 7 / Bandwidth: 10MHz															
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict						
		Size	Offset				Result	Limit							
QPSK	2505	50	0	20	3.6	-13.890	-0.0055	/	Pass						
					3.84	-5.279	-0.0021	/	Pass						
					4.3	-3.176	-0.0013	/	Pass						
				-30	3.84	-6.309	-0.0025	/	Pass						
					-20	3.84	-6.537	-0.0026	/	Pass					
					-10	3.84	-7.868	-0.0031	/	Pass					
				2535	50	0	20	3.84	0.286	0.0001	/	Pass			
								10	3.84	-1.073	-0.0004	/	Pass		
								30	3.84	-5.751	-0.0023	/	Pass		
	-30	40	3.84				-7.839	-0.0031	/	Pass					
		-20	3.84				-5.107	-0.0020	/	Pass					
		-10	3.84				-8.826	-0.0035	/	Pass					
	2565	50	0				20	3.84	-2.389	-0.0009	/	Pass			
								10	3.84	-4.063	-0.0016	/	Pass		
								30	3.84	-9.241	-0.0036	/	Pass		
				-30	-20	3.84	-5.364	-0.0021	/	Pass					
					-10	3.84	1.245	0.0005	/	Pass					
					0	3.84	1.602	0.0006	/	Pass					
				16QAM	2505	50	0	20	10	3.84	-0.858	-0.0003	/	Pass	
									30	3.84	-5.121	-0.0020	/	Pass	
									40	3.84	-14.291	-0.0056	/	Pass	
	-30	50	3.84					-7.982	-0.0031	/	Pass				
		-20	3.84					-1.273	-0.0005	/	Pass				
		-10	3.84					0.315	0.0001	/	Pass				
	16QAM	2505	50					0	20	4.3	-6.394	-0.0025	/	Pass	
										-30	3.84	-5.393	-0.0021	/	Pass
										-20	3.84	-6.180	-0.0024	/	Pass
-30				-10	3.84	-9.370	-0.0037		/	Pass					
				0	3.84	-3.862	-0.0015		/	Pass					
				10	3.84	-3.505	-0.0014		/	Pass					
16QAM	2505	50	0	20	30	3.84	-9.227	-0.0036	/	Pass					
					40	3.84	-3.076	-0.0012	/	Pass					
				-30	50	3.84	-5.937	-0.0023	/	Pass					
					-20	3.84	-0.615	-0.0002	/	Pass					
16QAM	2505	50	0	20	3.84	-4.249	-0.0017	/	Pass						
					4.3	-7.381	-0.0029	/	Pass						
				-30	3.84	-0.744	-0.0003	/	Pass						
					-20	3.84	-10.228	-0.0041	/	Pass					



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64QAM	2535	50	0	-10	3.84	-2.632	-0.0011	/	Pass
				0	3.84	-6.895	-0.0028	/	Pass
				10	3.84	-3.376	-0.0013	/	Pass
				30	3.84	-0.973	-0.0004	/	Pass
				40	3.84	2.918	0.0012	/	Pass
				50	3.84	-3.877	-0.0015	/	Pass
	2565	50	0	20	3.6	-18.897	-0.0075	/	Pass
					3.84	0.472	0.0002	/	Pass
					4.3	-9.584	-0.0038	/	Pass
				-30	3.84	-5.794	-0.0023	/	Pass
				-20	3.84	-1.559	-0.0006	/	Pass
				-10	3.84	-10.943	-0.0043	/	Pass
				0	3.84	-12.860	-0.0051	/	Pass
				10	3.84	-4.520	-0.0018	/	Pass
				30	3.84	-14.448	-0.0057	/	Pass
				40	3.84	-4.148	-0.0016	/	Pass
	2505	50	0	20	3.6	-5.708	-0.0022	/	Pass
					3.84	-1.144	-0.0004	/	Pass
					4.3	-7.882	-0.0031	/	Pass
				-30	3.84	-15.206	-0.0059	/	Pass
				-20	3.84	-7.367	-0.0029	/	Pass
				-10	3.84	-20.485	-0.0080	/	Pass
				0	3.84	-9.527	-0.0037	/	Pass
				10	3.84	3.333	0.0013	/	Pass
				30	3.84	1.445	0.0006	/	Pass
				40	3.84	1.473	0.0006	/	Pass
	2535	50	0	20	3.6	-2.918	-0.0012	/	Pass
					3.84	-8.140	-0.0032	/	Pass
					4.3	-4.592	-0.0018	/	Pass
				-30	3.84	-4.692	-0.0019	/	Pass
-20				3.84	-4.191	-0.0017	/	Pass	
-10				3.84	-5.922	-0.0024	/	Pass	
0				3.84	-2.003	-0.0008	/	Pass	
10				3.84	3.190	0.0013	/	Pass	
30				3.84	-6.094	-0.0024	/	Pass	
40				3.84	2.432	0.0010	/	Pass	
2535	50	0	20	3.6	-10.757	-0.0042	/	Pass	
				3.84	-9.141	-0.0036	/	Pass	
				4.3	-4.177	-0.0016	/	Pass	
			-30	3.84	-3.819	-0.0015	/	Pass	
			-20	3.84	-10.815	-0.0043	/	Pass	
			-10	3.84	-6.309	-0.0025	/	Pass	
			0	3.84	-3.548	-0.0014	/	Pass	
			10	3.84	-3.161	-0.0012	/	Pass	
			30	3.84	-6.523	-0.0026	/	Pass	



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				40	3.84	-0.987	-0.0004	/	Pass
				50	3.84	-8.497	-0.0034	/	Pass
	2565	50	0	20	3.6	-20.385	-0.0079	/	Pass
3.84					-6.609	-0.0026	/	Pass	
4.3				-8.082	-0.0032	/	Pass		
-30				3.84	-4.721	-0.0018	/	Pass	
-20				3.84	-0.343	-0.0001	/	Pass	
-10				3.84	-11.802	-0.0046	/	Pass	
0				3.84	-5.350	-0.0021	/	Pass	
10				3.84	-0.958	-0.0004	/	Pass	
30				3.84	-10.743	-0.0042	/	Pass	
40				3.84	-7.954	-0.0031	/	Pass	
50				3.84	-8.426	-0.0033	/	Pass	



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2.3 B7_15MHz

2.3.1 Test Result

Band: 7 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2507.5	75	0	20	3.6	-2.460	-0.0010	/	Pass	
					3.84	-7.696	-0.0031	/	Pass	
					4.3	-2.189	-0.0009	/	Pass	
				-30	3.84	-8.268	-0.0033	/	Pass	
					-20	3.84	-4.692	-0.0019	/	Pass
					-10	3.84	-0.987	-0.0004	/	Pass
				0	3.84	-7.267	-0.0029	/	Pass	
					10	3.84	-6.051	-0.0024	/	Pass
					30	3.84	-10.200	-0.0041	/	Pass
	40	3.84	-9.212		-0.0037	/	Pass			
	50	3.84	0.815		0.0003	/	Pass			
	2535	75	0		20	3.6	-6.924	-0.0027	/	Pass
				3.84		-7.038	-0.0028	/	Pass	
				4.3		-9.513	-0.0038	/	Pass	
				-30	3.84	-9.670	-0.0038	/	Pass	
					-20	3.84	-3.920	-0.0015	/	Pass
					-10	3.84	-4.478	-0.0018	/	Pass
				0	3.84	-2.990	-0.0012	/	Pass	
					10	3.84	-1.974	-0.0008	/	Pass
					30	3.84	-3.605	-0.0014	/	Pass
	40	3.84	2.275		0.0009	/	Pass			
	50	3.84	12.116		0.0048	/	Pass			
	2562.5	75	0		20	3.6	-10.958	-0.0043	/	Pass
				3.84		-11.373	-0.0044	/	Pass	
				4.3		-13.547	-0.0053	/	Pass	
				-30	3.84	-7.982	-0.0031	/	Pass	
					-20	3.84	-0.329	-0.0001	/	Pass
-10					3.84	-3.018	-0.0012	/	Pass	
0				3.84	0.486	0.0002	/	Pass		
				10	3.84	-3.862	-0.0015	/	Pass	
				30	3.84	-11.215	-0.0044	/	Pass	
	40	3.84	-0.472	-0.0002	/	Pass				
	50	3.84	-2.704	-0.0011	/	Pass				
	16QAM	2507.5	75	0	20	3.6	-1.745	-0.0007	/	Pass
3.84						-12.045	-0.0048	/	Pass	
4.3						-3.777	-0.0015	/	Pass	
-30					3.84	-5.178	-0.0021	/	Pass	
					-20	3.84	-2.618	-0.0010	/	Pass



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64QAM	2535	75	0	-10	3.84	-5.550	-0.0022	/	Pass
				0	3.84	-10.457	-0.0042	/	Pass
				10	3.84	-2.160	-0.0009	/	Pass
				30	3.84	-12.174	-0.0049	/	Pass
				40	3.84	0.443	0.0002	/	Pass
				50	3.84	-8.726	-0.0035	/	Pass
	2562.5	75	0	20	3.6	3.405	0.0013	/	Pass
					3.84	5.193	0.0020	/	Pass
					4.3	-4.234	-0.0017	/	Pass
				-30	3.84	-2.246	-0.0009	/	Pass
				-20	3.84	-10.114	-0.0040	/	Pass
				-10	3.84	3.619	0.0014	/	Pass
				0	3.84	-5.407	-0.0021	/	Pass
				10	3.84	-2.031	-0.0008	/	Pass
				30	3.84	4.549	0.0018	/	Pass
				40	3.84	-12.589	-0.0050	/	Pass
	2507.5	75	0	20	3.6	-3.147	-0.0012	/	Pass
					3.84	-8.798	-0.0034	/	Pass
					4.3	3.462	0.0014	/	Pass
				-30	3.84	-2.289	-0.0009	/	Pass
				-20	3.84	-1.731	-0.0007	/	Pass
				-10	3.84	-6.809	-0.0027	/	Pass
				0	3.84	1.745	0.0007	/	Pass
				10	3.84	-23.203	-0.0091	/	Pass
				30	3.84	-3.805	-0.0015	/	Pass
				40	3.84	-15.850	-0.0062	/	Pass
	2535	75	0	20	3.6	-7.668	-0.0031	/	Pass
					3.84	-14.677	-0.0059	/	Pass
					4.3	-1.931	-0.0008	/	Pass
				-30	3.84	-14.992	-0.0060	/	Pass
-20				3.84	-9.670	-0.0039	/	Pass	
-10				3.84	-4.992	-0.0020	/	Pass	
0				3.84	-11.873	-0.0047	/	Pass	
10				3.84	-0.186	-0.0001	/	Pass	
30				3.84	-6.280	-0.0025	/	Pass	
40				3.84	0.129	0.0001	/	Pass	
2535	75	0	20	3.6	1.101	0.0004	/	Pass	
				3.84	4.206	0.0017	/	Pass	
				4.3	-17.323	-0.0068	/	Pass	
			-30	3.84	-9.255	-0.0037	/	Pass	
			-20	3.84	-13.247	-0.0052	/	Pass	
			-10	3.84	-12.288	-0.0048	/	Pass	
			0	3.84	-4.478	-0.0018	/	Pass	
			10	3.84	-7.081	-0.0028	/	Pass	
			30	3.84	-11.287	-0.0045	/	Pass	



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				40	3.84	-7.124	-0.0028	/	Pass
				50	3.84	-0.601	-0.0002	/	Pass
	2562.5	75	0	20	3.6	-12.960	-0.0051	/	Pass
3.84					0.787	0.0003	/	Pass	
4.3				-2.732	-0.0011	/	Pass		
-30				3.84	-4.320	-0.0017	/	Pass	
-20				3.84	-2.904	-0.0011	/	Pass	
-10				3.84	-2.117	-0.0008	/	Pass	
0				3.84	-5.150	-0.0020	/	Pass	
10				3.84	-9.270	-0.0036	/	Pass	
30				3.84	-13.475	-0.0053	/	Pass	
40				3.84	-2.990	-0.0012	/	Pass	
50				3.84	0.415	0.0002	/	Pass	



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2.4 B7_20MHz

2.4.1 Test Result

Band: 7 / Bandwidth: 20MHz															
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict						
		Size	Offset				Result	Limit							
QPSK	2510	100	0	20	3.6	-9.785	-0.0039	/	Pass						
					3.84	0.887	0.0004	/	Pass						
					4.3	-2.332	-0.0009	/	Pass						
				-30	3.84	-14.420	-0.0057	/	Pass						
					-20	3.84	-0.544	-0.0002	/	Pass					
					-10	3.84	-4.864	-0.0019	/	Pass					
				2535	100	0	20	3.84	-11.430	-0.0046	/	Pass			
								10	3.84	-1.373	-0.0005	/	Pass		
								30	3.84	-5.794	-0.0023	/	Pass		
	-30	40	3.84				1.388	0.0006	/	Pass					
		-20	3.84				-9.170	-0.0037	/	Pass					
		-10	3.84				-1.016	-0.0004	/	Pass					
	2560	100	0				20	3.84	-0.372	-0.0001	/	Pass			
								4.3	4.392	0.0017	/	Pass			
								-30	3.84	-11.401	-0.0045	/	Pass		
				-30	-20	3.84	-9.141	-0.0036	/	Pass					
					-10	3.84	-8.354	-0.0033	/	Pass					
					0	3.84	-2.232	-0.0009	/	Pass					
				16QAM	2510	100	0	20	10	3.84	1.473	0.0006	/	Pass	
									30	3.84	-4.148	-0.0016	/	Pass	
									40	3.84	3.419	0.0013	/	Pass	
	-30	50	3.84					-6.709	-0.0026	/	Pass				
		-20	3.84					-16.594	-0.0065	/	Pass				
		-10	3.84					2.890	0.0011	/	Pass				
	16QAM	2510	100					0	20	4.3	0.587	0.0002	/	Pass	
										-30	3.84	-1.073	-0.0004	/	Pass
										-20	3.84	-17.095	-0.0067	/	Pass
-30				-10	3.84	-2.718	-0.0011		/	Pass					
				0	3.84	-15.192	-0.0059		/	Pass					
				10	3.84	-10.114	-0.0040		/	Pass					
16QAM	2510	100	0	20	30	3.84	-3.605	-0.0014	/	Pass					
					40	3.84	-6.809	-0.0027	/	Pass					
					50	3.84	-7.353	-0.0029	/	Pass					
				-30	3.6	-7.339	-0.0029	/	Pass						
					3.84	-8.569	-0.0034	/	Pass						
					4.3	2.131	0.0008	/	Pass						
16QAM	2510	100	0	-30	3.84	-6.452	-0.0026	/	Pass						
					-20	3.84	-10.371	-0.0041	/	Pass					



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64QAM	2535	100	0	-10	3.84	4.292	0.0017	/	Pass		
				0	3.84	3.362	0.0013	/	Pass		
				10	3.84	-7.181	-0.0029	/	Pass		
				30	3.84	2.160	0.0009	/	Pass		
				40	3.84	0.486	0.0002	/	Pass		
				50	3.84	-4.935	-0.0020	/	Pass		
	2560	100	0	20	3.6	-1.531	-0.0006	/	Pass		
					3.84	-6.523	-0.0026	/	Pass		
					4.3	-3.133	-0.0012	/	Pass		
				-30	3.84	9.198	0.0036	/	Pass		
				-20	3.84	-7.925	-0.0031	/	Pass		
				-10	3.84	1.516	0.0006	/	Pass		
				0	3.84	-3.891	-0.0015	/	Pass		
				10	3.84	-4.320	-0.0017	/	Pass		
				30	3.84	0.601	0.0002	/	Pass		
				40	3.84	0.515	0.0002	/	Pass		
	50	3.84	-5.422	-0.0021	/	Pass					
	2510	100	0	20	3.6	-4.849	-0.0019	/	Pass		
					3.84	-6.180	-0.0024	/	Pass		
					4.3	-1.001	-0.0004	/	Pass		
				-30	3.84	-7.668	-0.0030	/	Pass		
				-20	3.84	-7.024	-0.0027	/	Pass		
				-10	3.84	-8.698	-0.0034	/	Pass		
				0	3.84	-9.985	-0.0039	/	Pass		
10				3.84	9.212	0.0036	/	Pass			
30				3.84	-9.971	-0.0039	/	Pass			
40				3.84	7.367	0.0029	/	Pass			
50	3.84	-7.253	-0.0028	/	Pass						
2535	100	0	20	3.6	4.392	0.0017	/	Pass			
				3.84	-1.359	-0.0005	/	Pass			
				4.3	-7.553	-0.0030	/	Pass			
			-30	3.84	0.801	0.0003	/	Pass			
			-20	3.84	-11.587	-0.0046	/	Pass			
			-10	3.84	3.848	0.0015	/	Pass			
			0	3.84	-11.115	-0.0044	/	Pass			
			10	3.84	-3.233	-0.0013	/	Pass			
			30	3.84	-7.324	-0.0029	/	Pass			
			40	3.84	2.332	0.0009	/	Pass			
			50	3.84	-7.324	-0.0029	/	Pass			
			2535	100	0	20	3.6	1.988	0.0008	/	Pass
							3.84	10.085	0.0040	/	Pass
							4.3	-8.640	-0.0034	/	Pass
-30	3.84	1.316				0.0005	/	Pass			
-20	3.84	-2.131				-0.0008	/	Pass			
-10	3.84	-13.418				-0.0053	/	Pass			
0	3.84	-5.293				-0.0021	/	Pass			
10	3.84	-14.148	-0.0056	/	Pass						
30	3.84	-3.977	-0.0016	/	Pass						



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				40	3.84	-3.047	-0.0012	/	Pass		
				50	3.84	-4.621	-0.0018	/	Pass		
2560	100	0	20	3.6	-2.174	-0.0008	/	Pass			
				3.84	-15.407	-0.0060	/	Pass			
						4.3	-6.466	-0.0025	/	Pass	
						-30	3.84	-12.946	-0.0051	/	Pass
						-20	3.84	-6.380	-0.0025	/	Pass
						-10	3.84	-2.031	-0.0008	/	Pass
						0	3.84	-3.691	-0.0014	/	Pass
						10	3.84	-8.383	-0.0033	/	Pass
						30	3.84	-8.941	-0.0035	/	Pass
						40	3.84	-12.317	-0.0048	/	Pass
						50	3.84	-6.337	-0.0025	/	Pass



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3. 99% & 26dB Bandwidth

3.1 Band7_OBW

3.1.1 Test Result

Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.543	/	Pass
		2535	25	0	4.528	/	Pass
		2567.5	25	0	4.533	/	Pass
	16QAM	2502.5	25	0	4.537	/	Pass
		2535	25	0	4.552	/	Pass
		2567.5	25	0	4.540	/	Pass
	64QAM	2502.5	25	0	4.534	/	Pass
		2535	25	0	4.552	/	Pass
		2567.5	25	0	4.543	/	Pass
10	QPSK	2505	50	0	9.071	/	Pass
		2535	50	0	9.031	/	Pass
		2565	50	0	9.055	/	Pass
	16QAM	2505	50	0	9.090	/	Pass
		2535	50	0	9.054	/	Pass
		2565	50	0	9.038	/	Pass
	64QAM	2505	50	0	9.068	/	Pass
		2535	50	0	9.059	/	Pass
		2565	50	0	9.051	/	Pass
15	QPSK	2507.5	75	0	13.606	/	Pass
		2535	75	0	13.562	/	Pass
		2562.5	75	0	13.566	/	Pass
	16QAM	2507.5	75	0	13.601	/	Pass
		2535	75	0	13.594	/	Pass
		2562.5	75	0	13.599	/	Pass
	64QAM	2507.5	75	0	13.572	/	Pass
		2535	75	0	13.609	/	Pass
		2562.5	75	0	13.577	/	Pass
20	QPSK	2510	100	0	18.089	/	Pass
		2535	100	0	18.085	/	Pass
		2560	100	0	18.099	/	Pass
	16QAM	2510	100	0	18.175	/	Pass
		2535	100	0	18.093	/	Pass
		2560	100	0	18.087	/	Pass
	64QAM	2510	100	0	18.045	/	Pass
		2535	100	0	18.083	/	Pass
		2560	100	0	18.064	/	Pass



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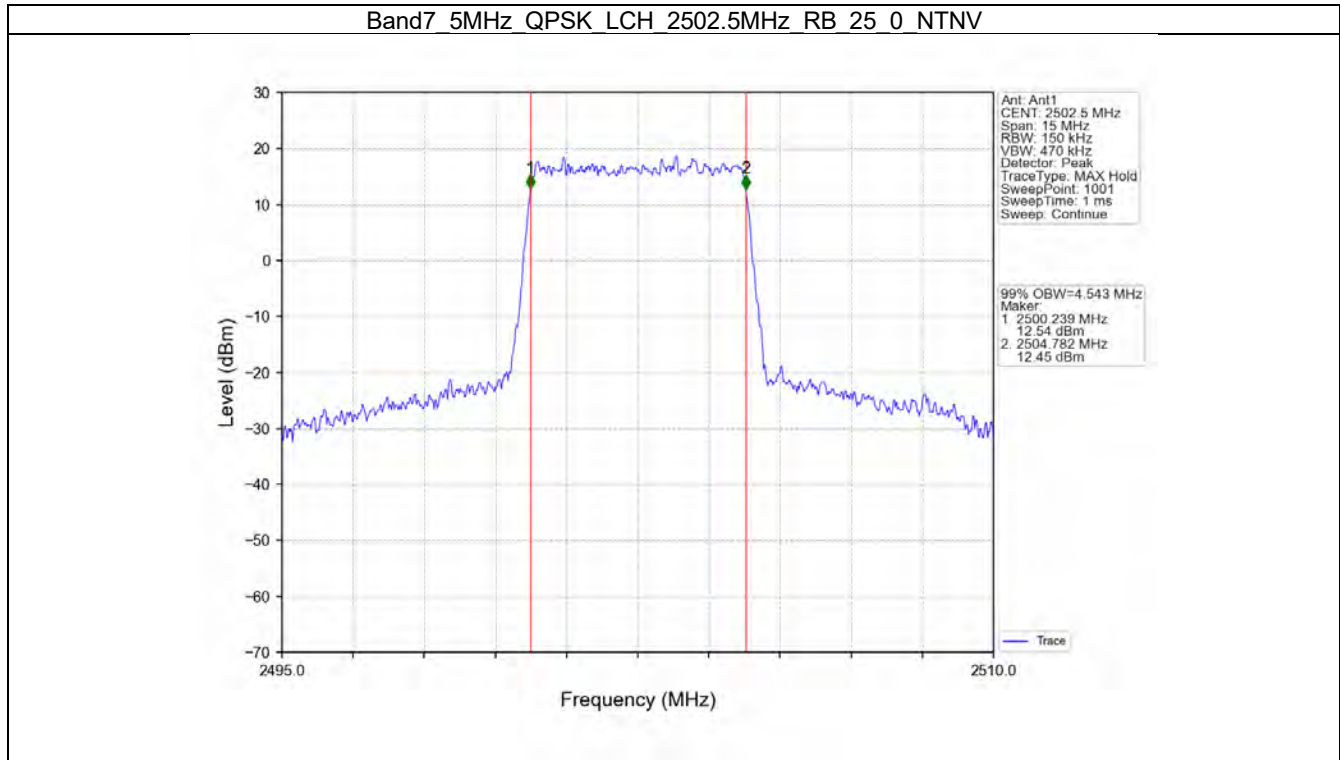
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3.1.2 Test Graph



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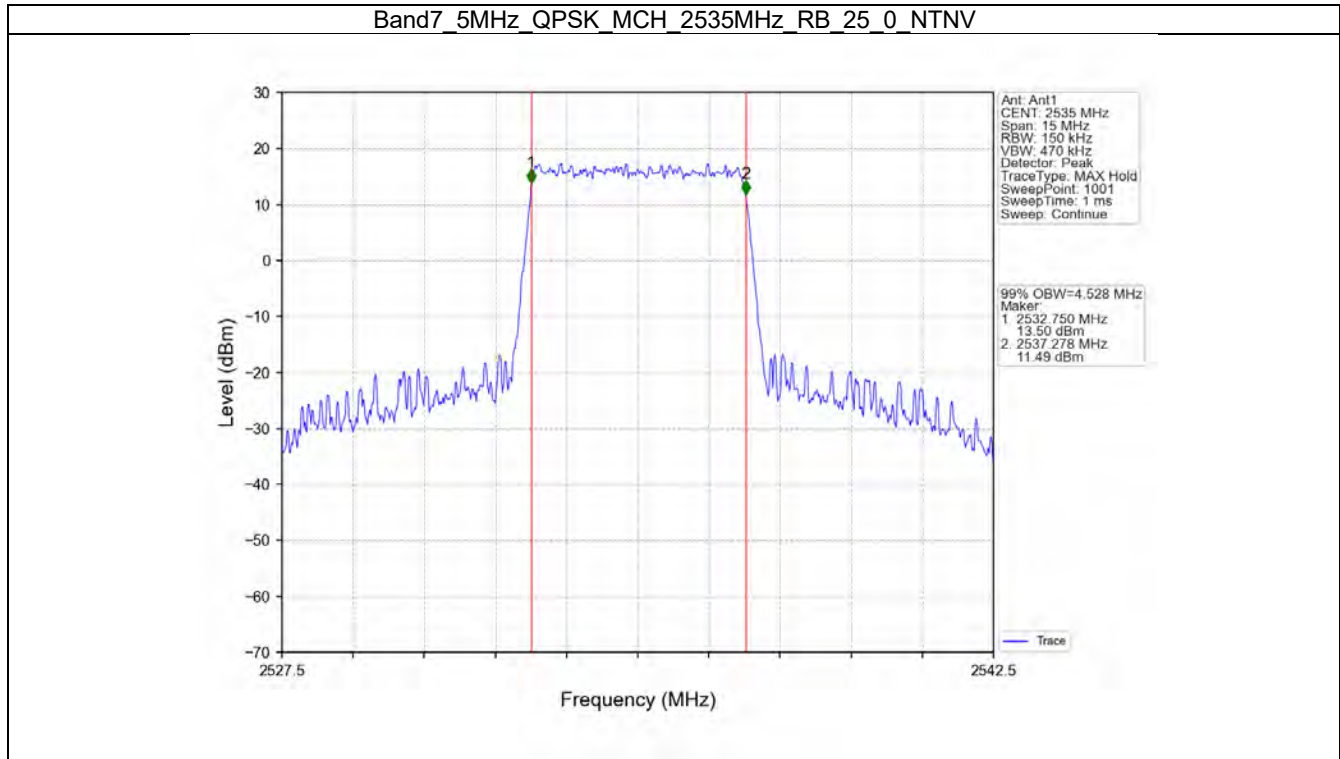


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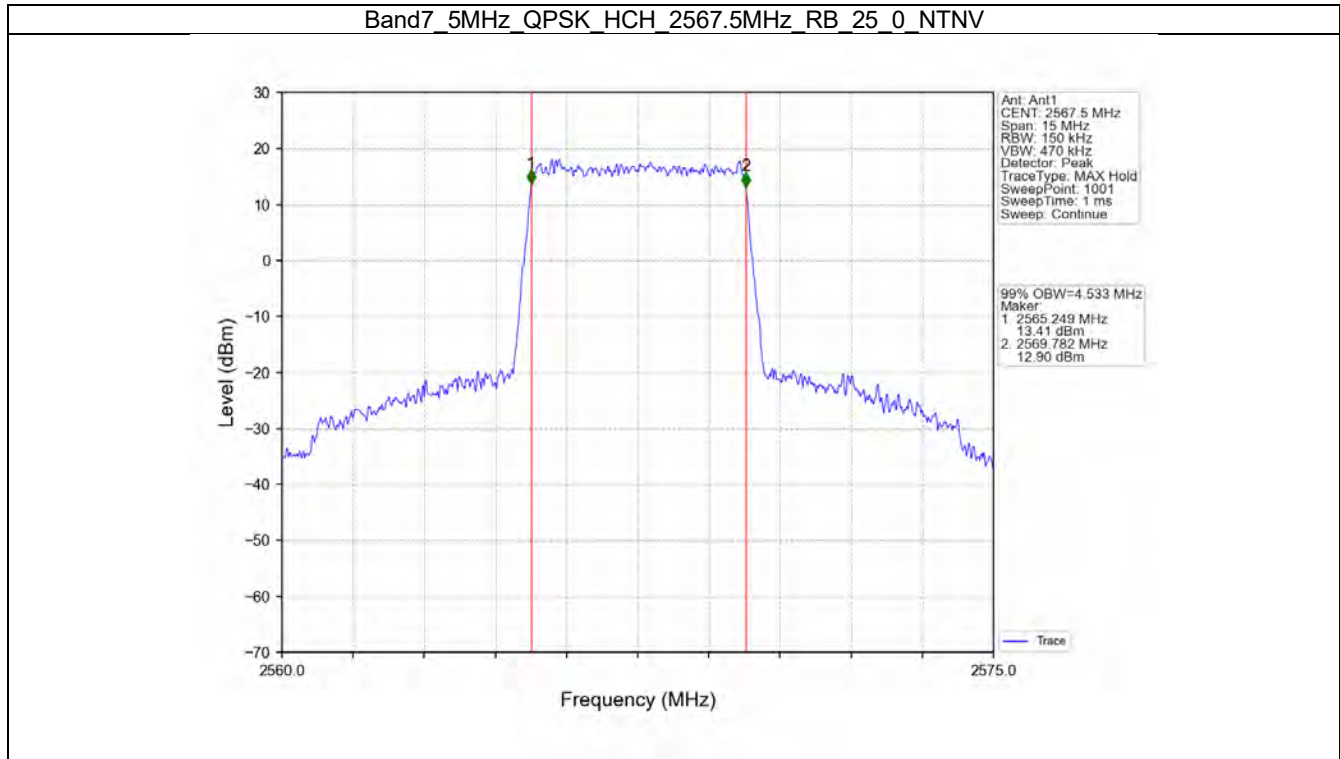


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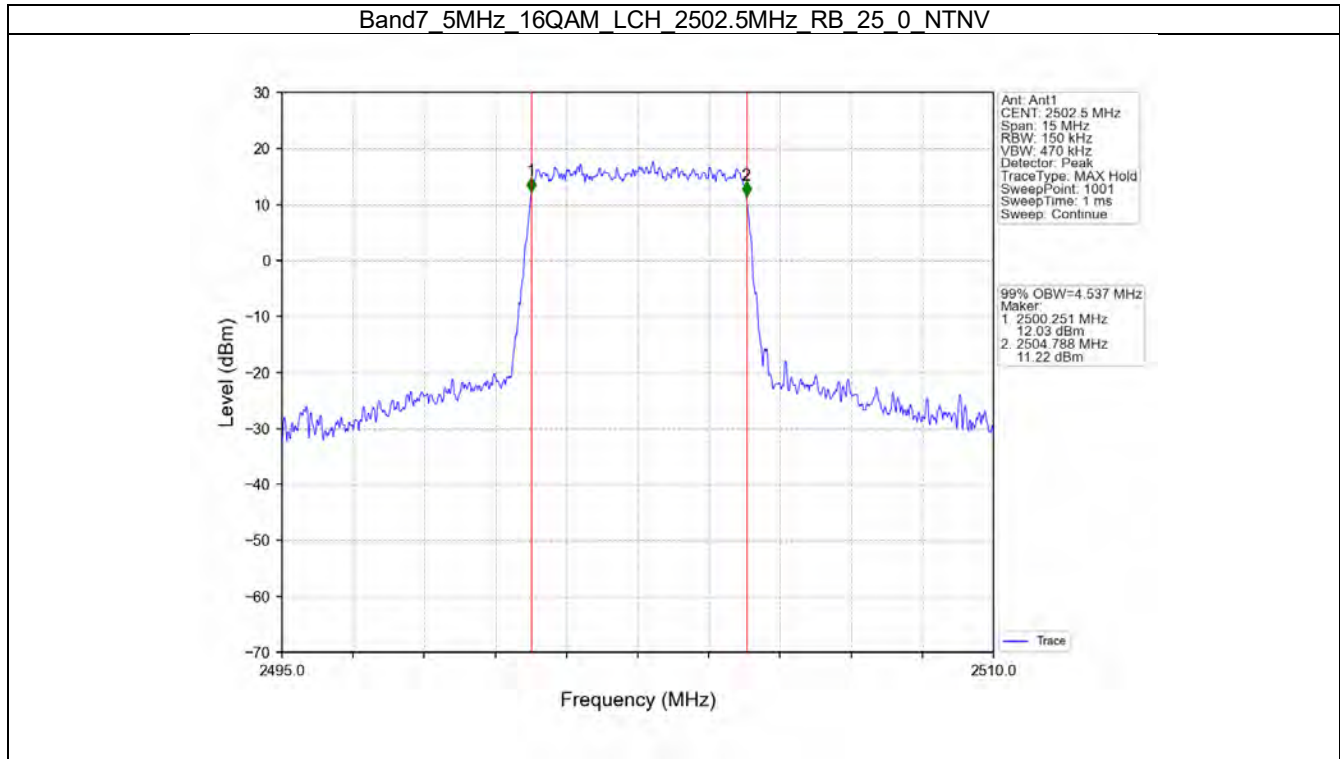


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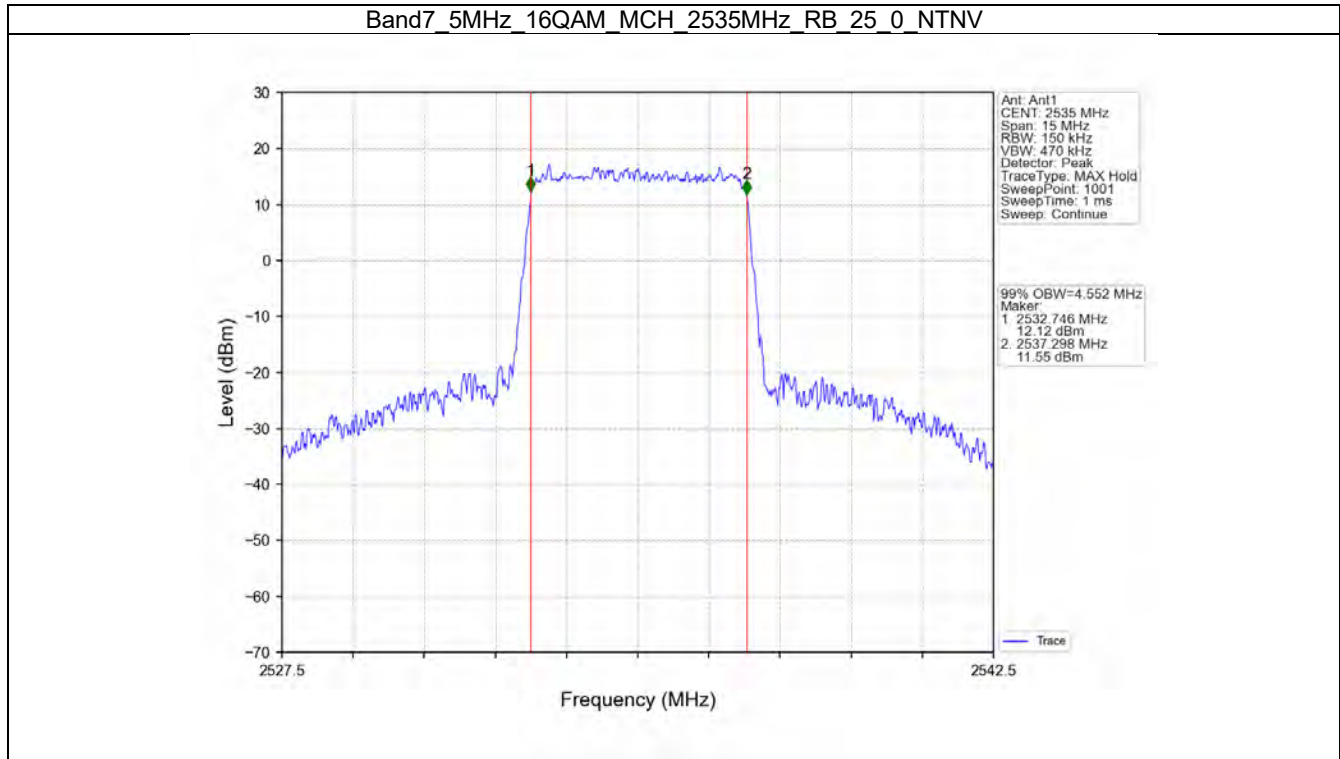


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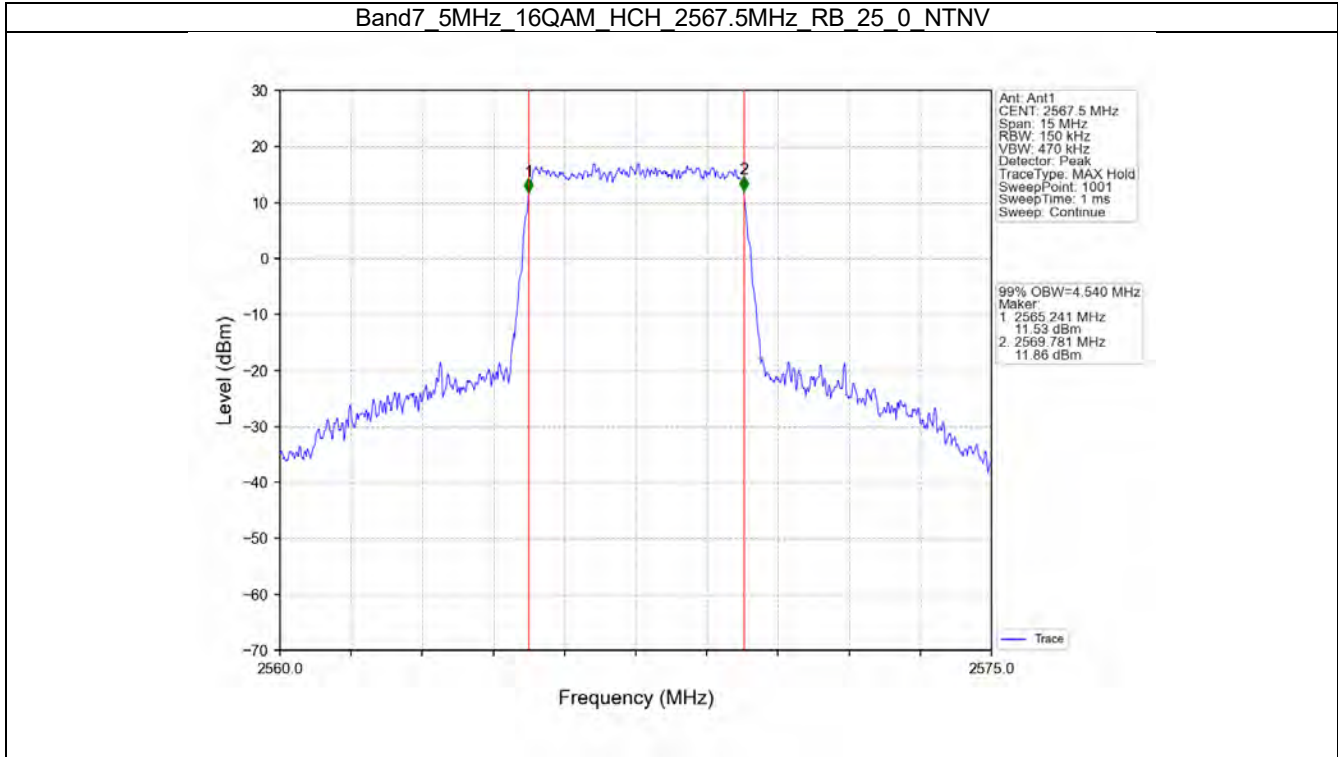


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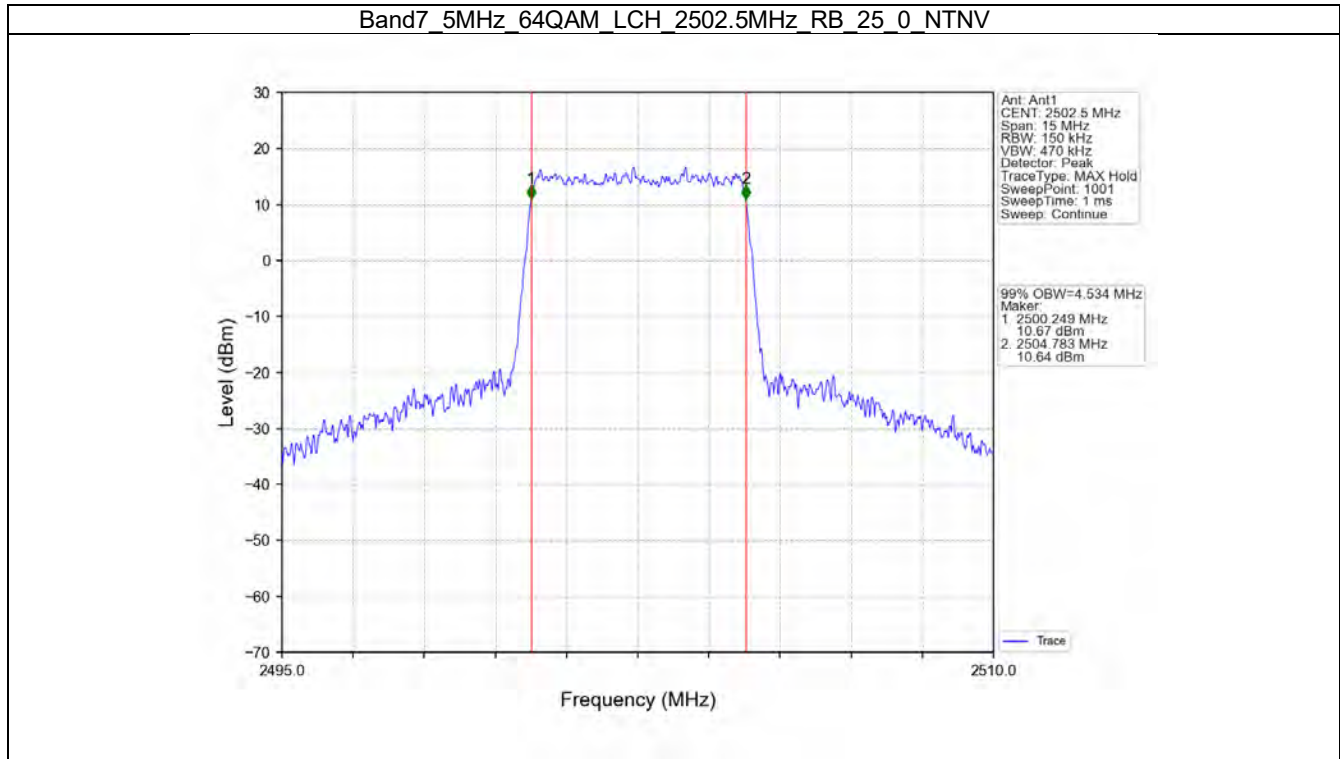


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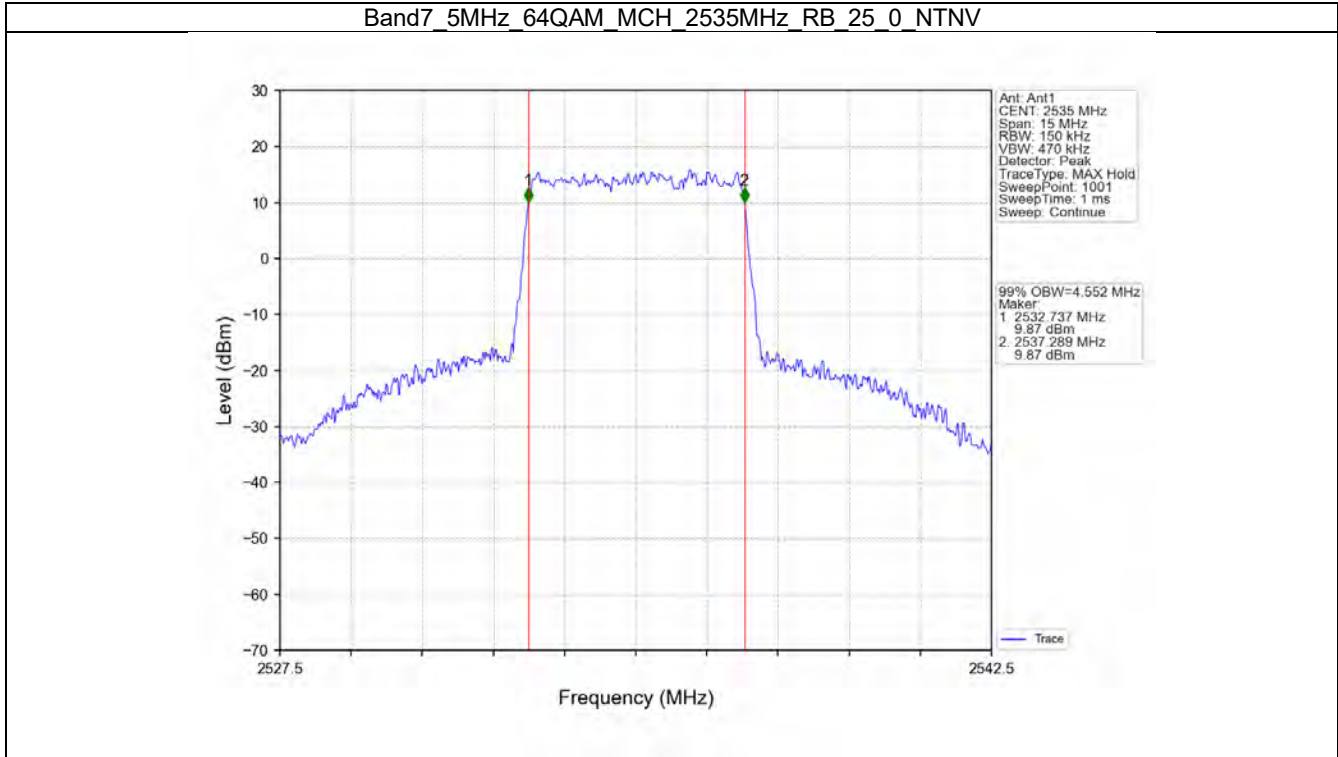


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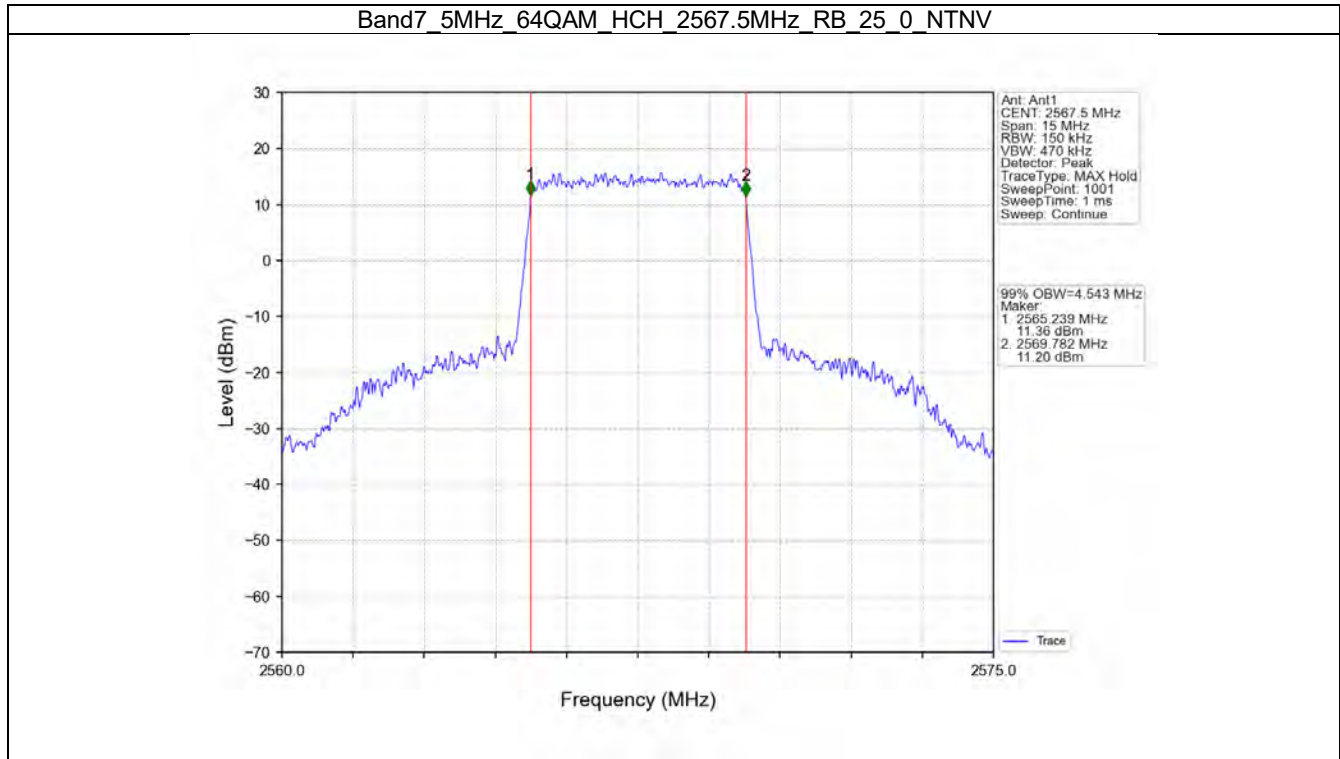


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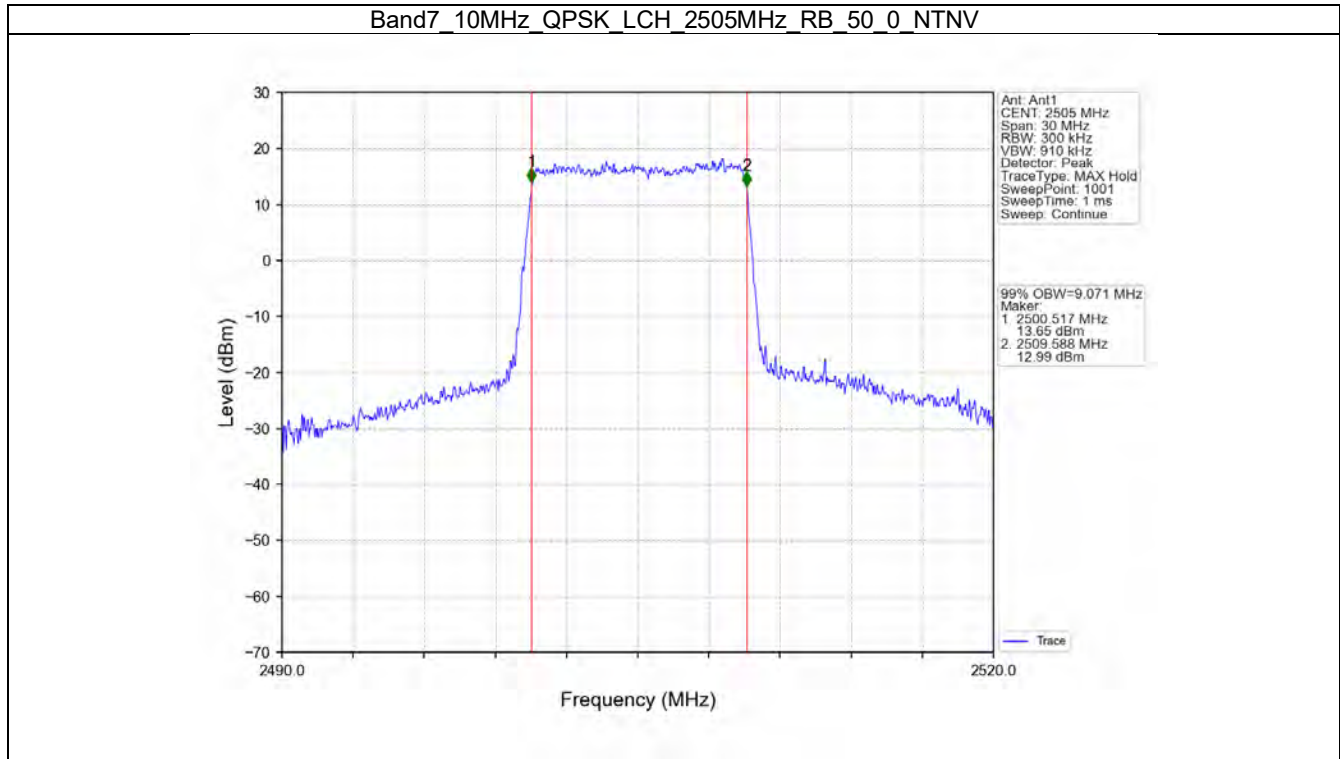


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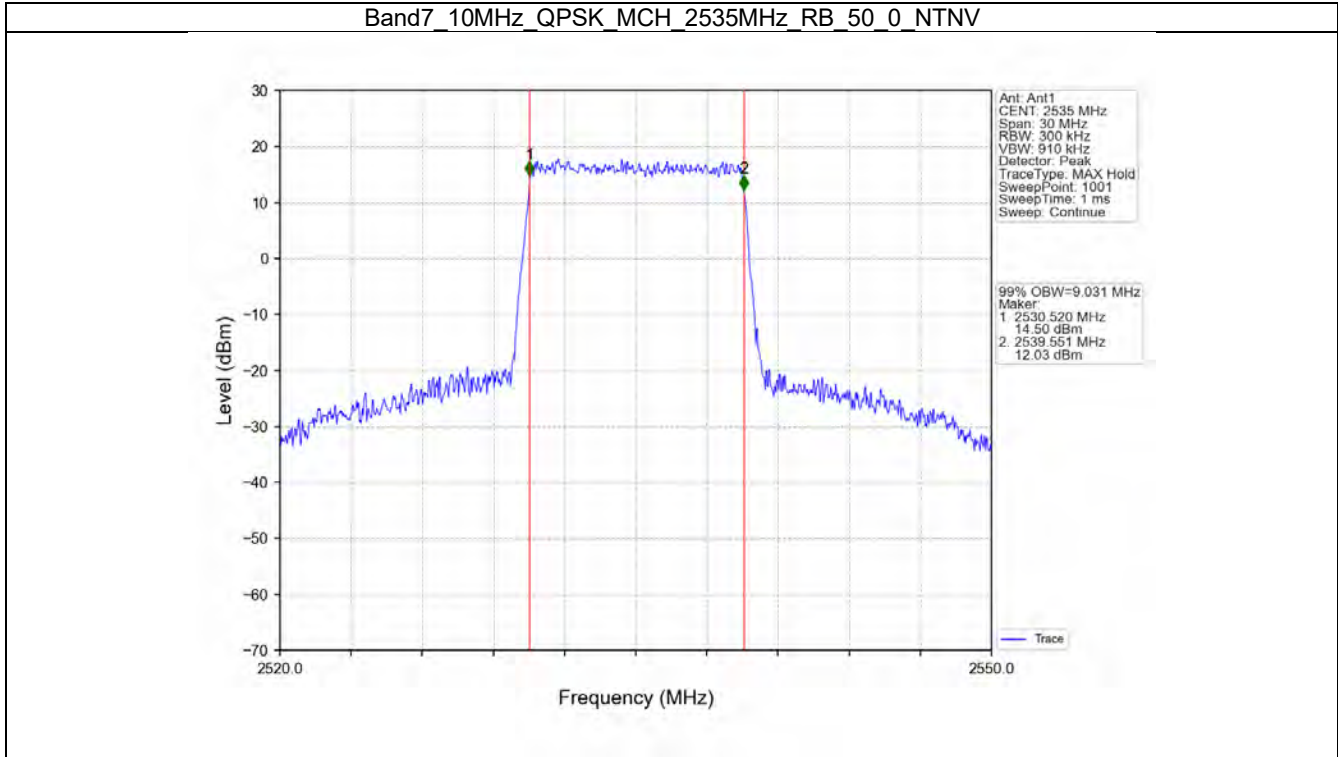


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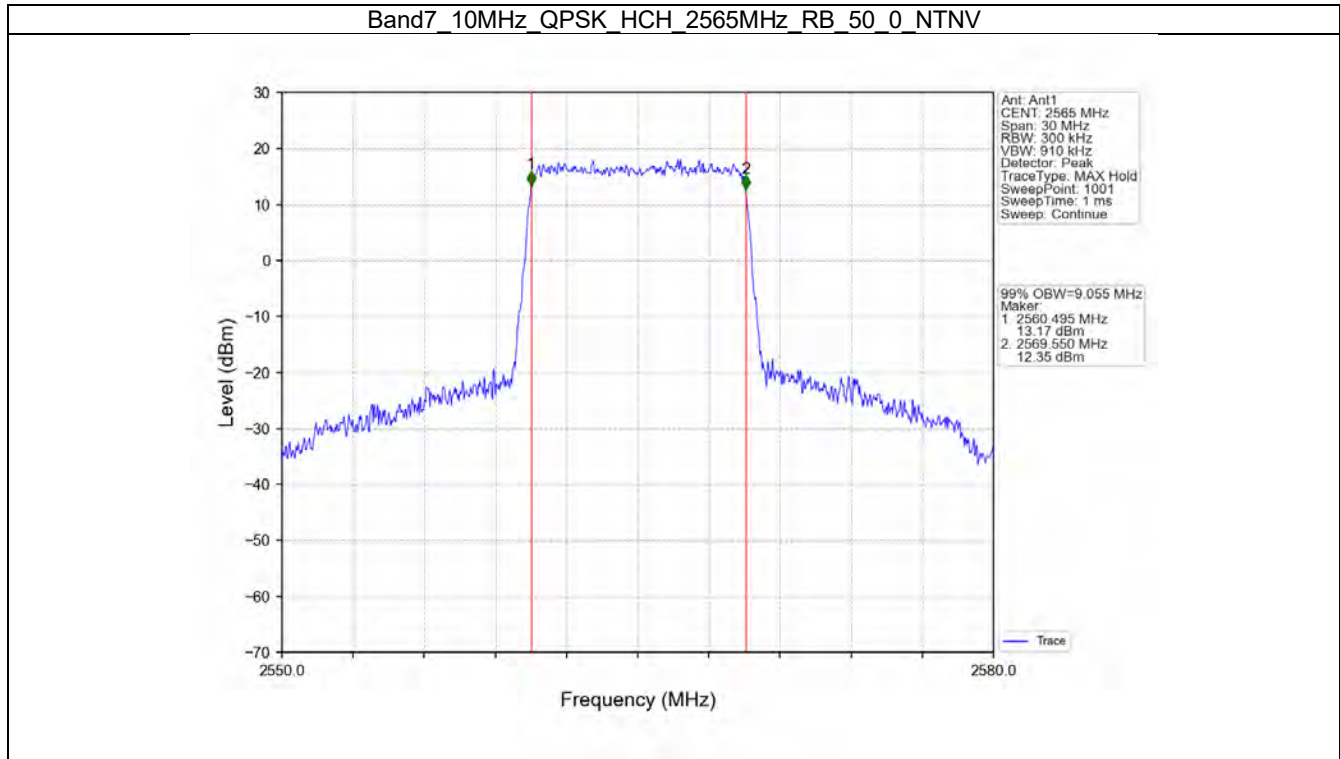


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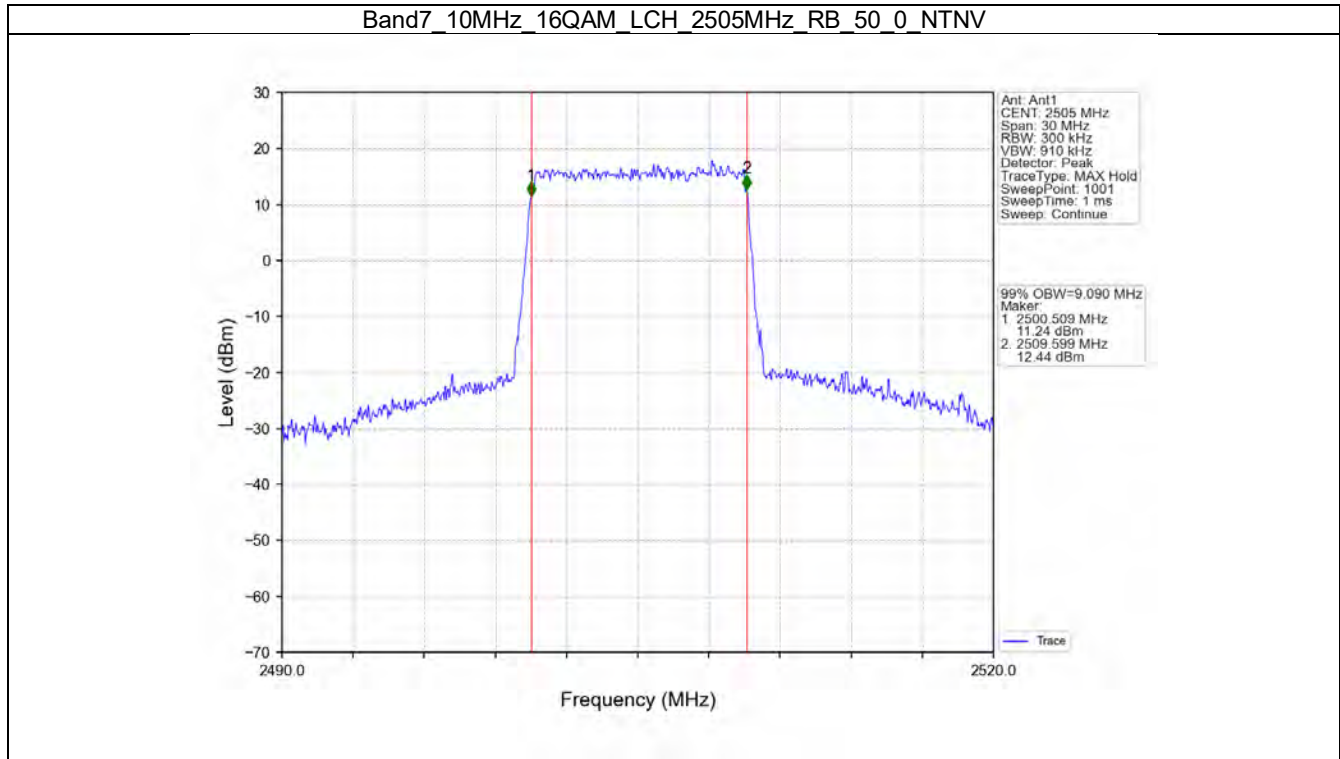


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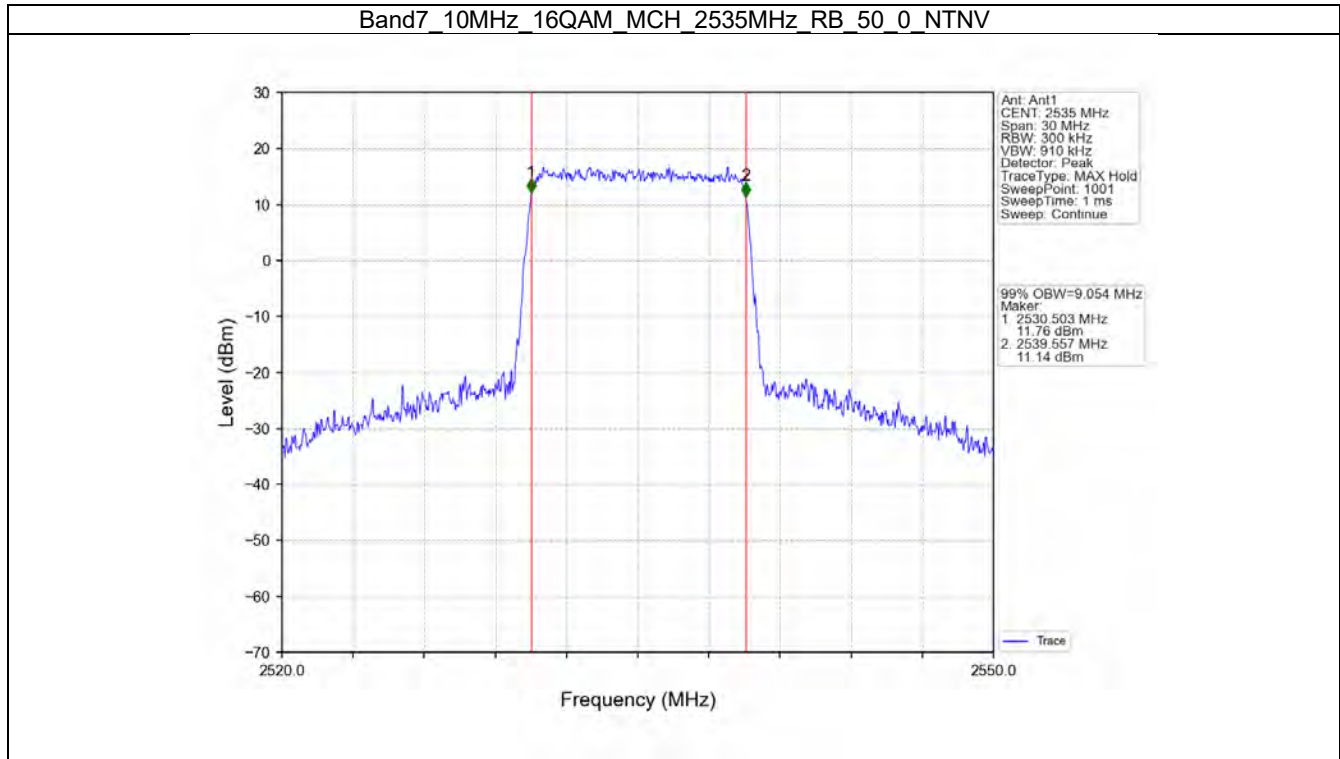


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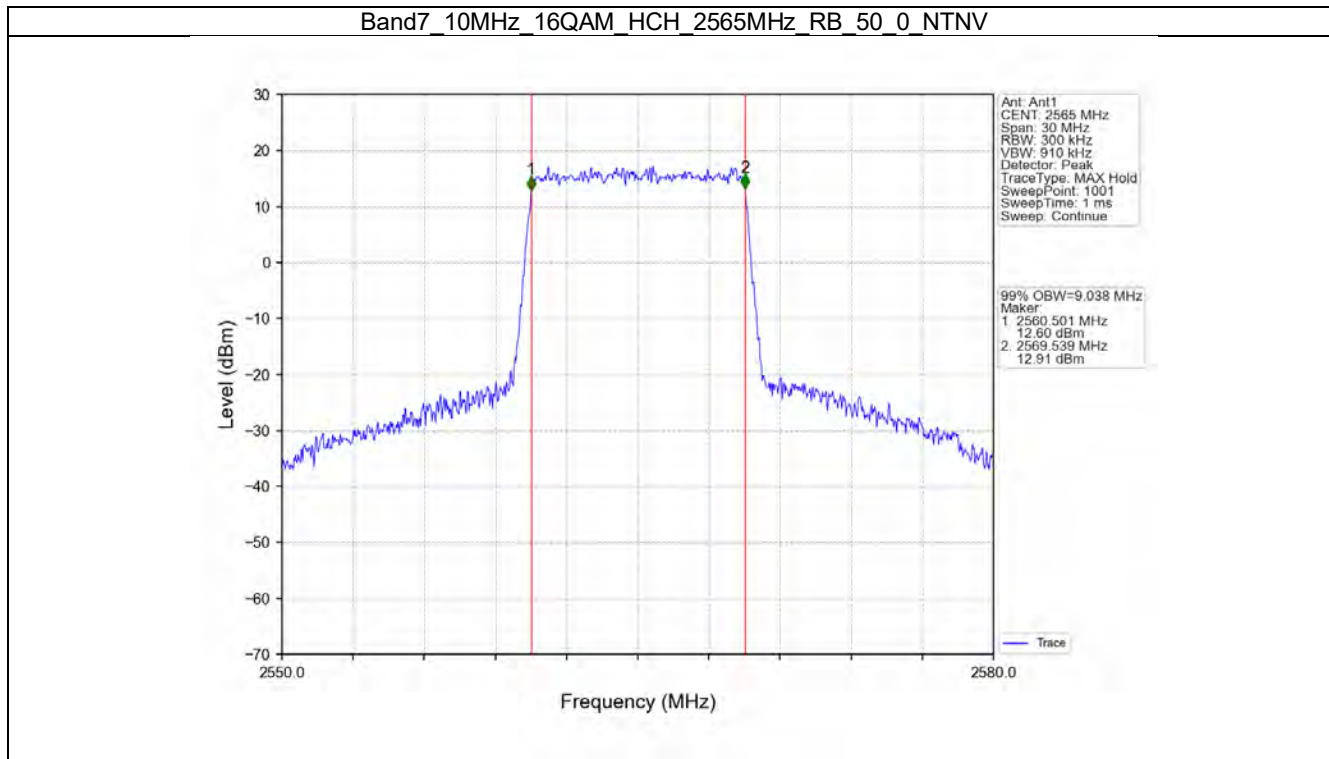
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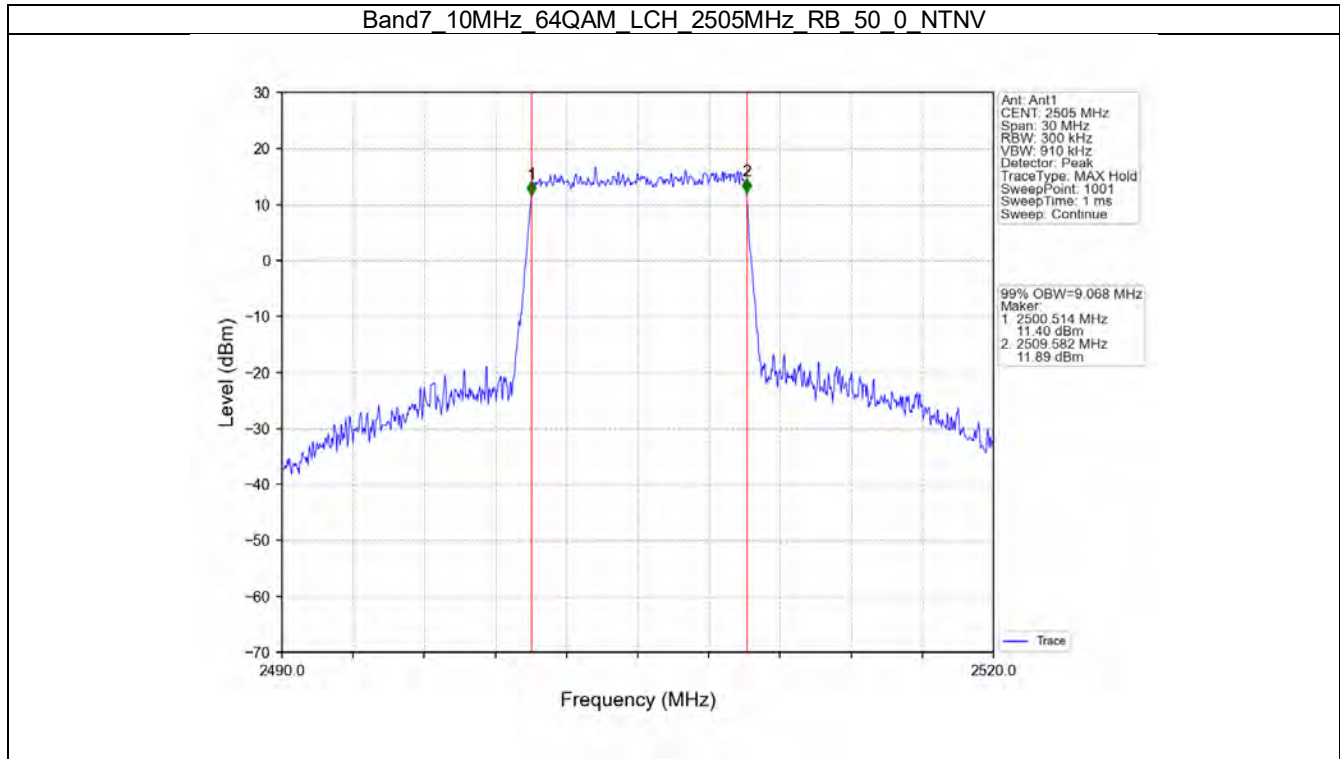


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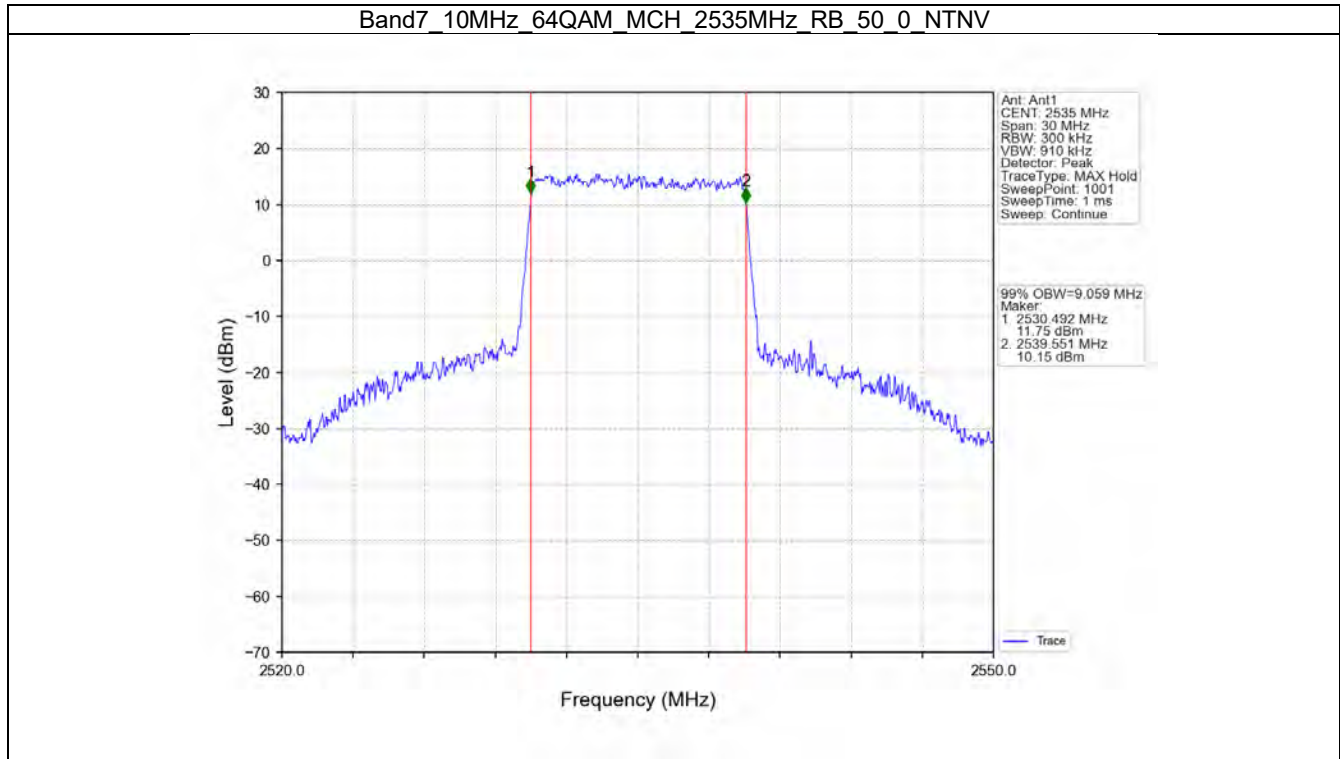


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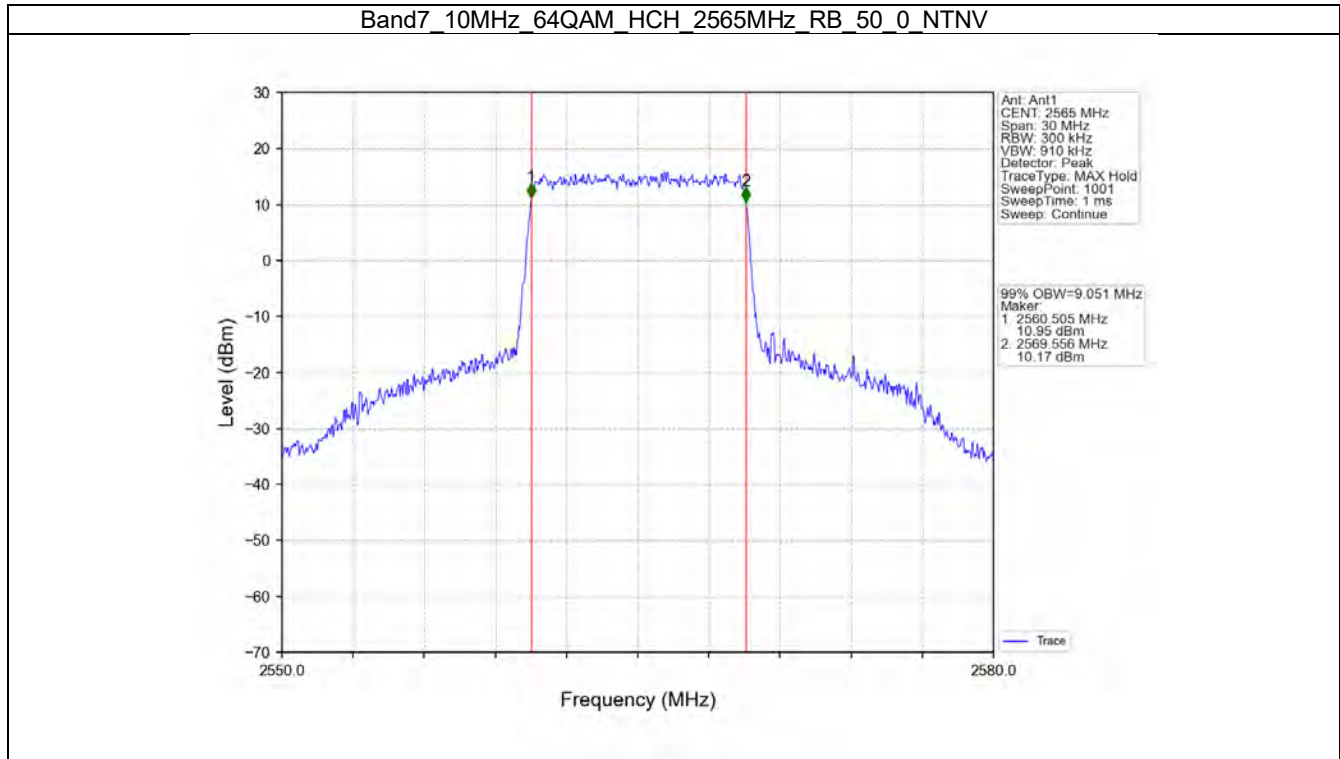


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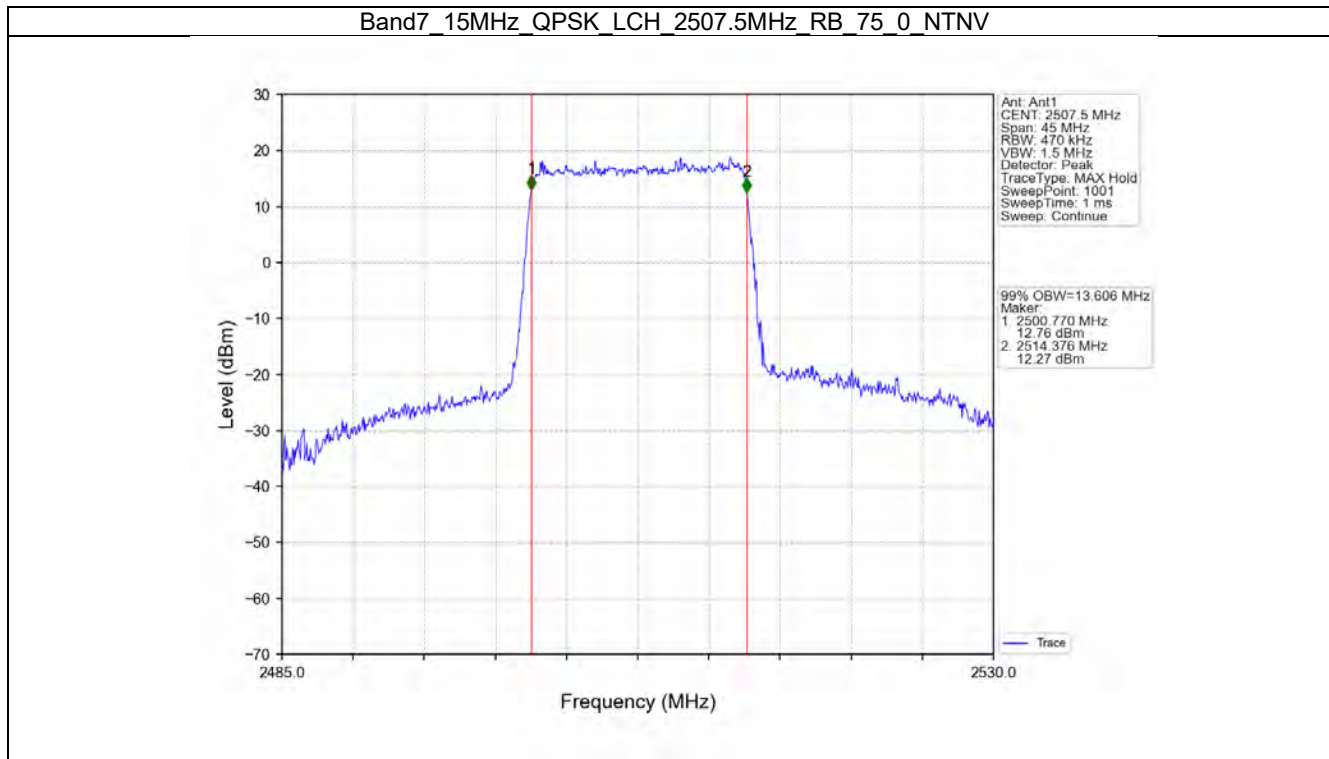
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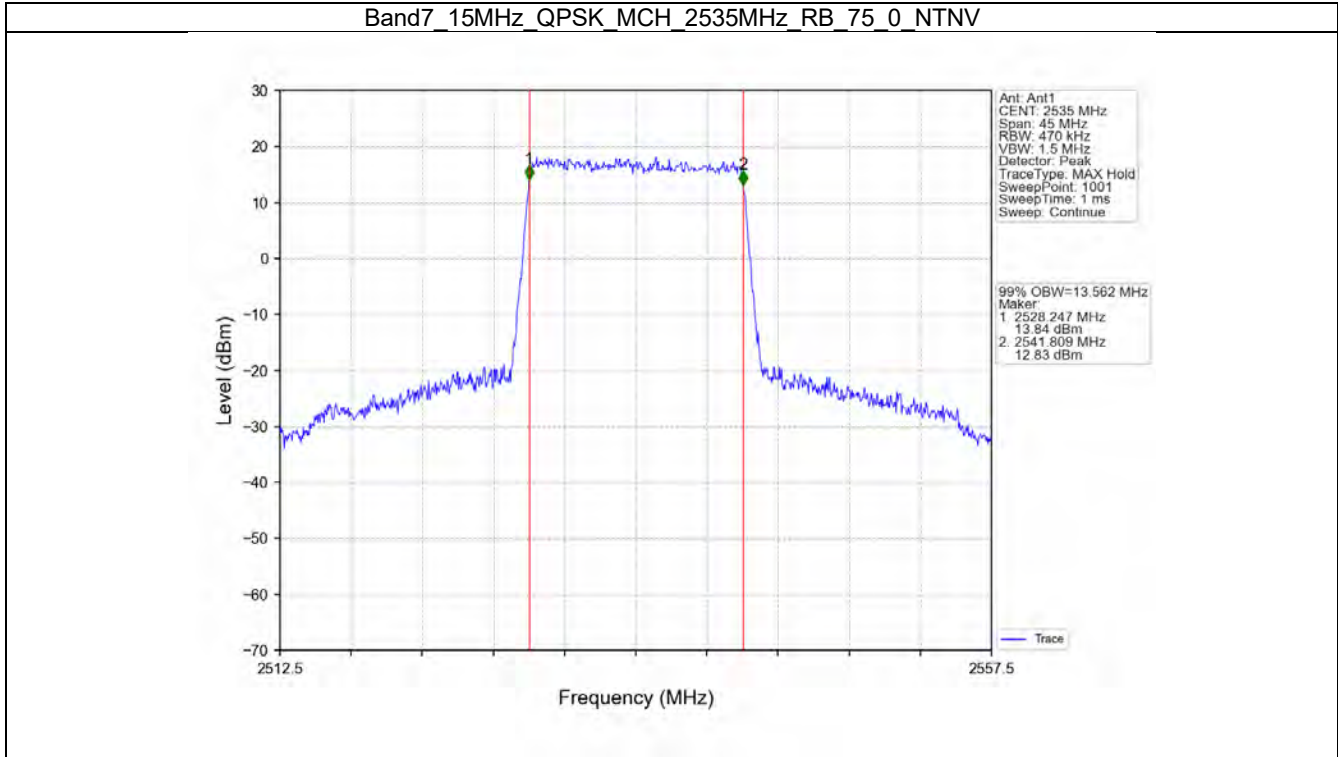


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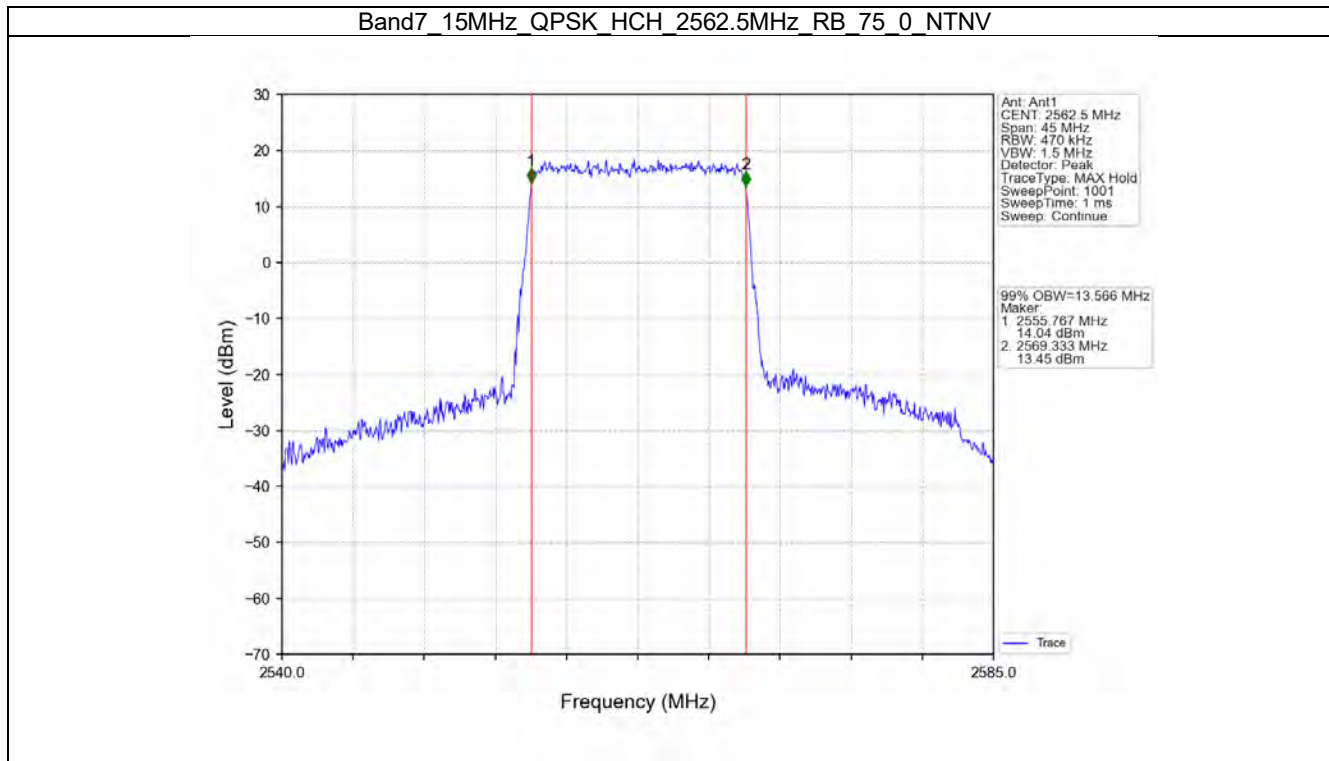
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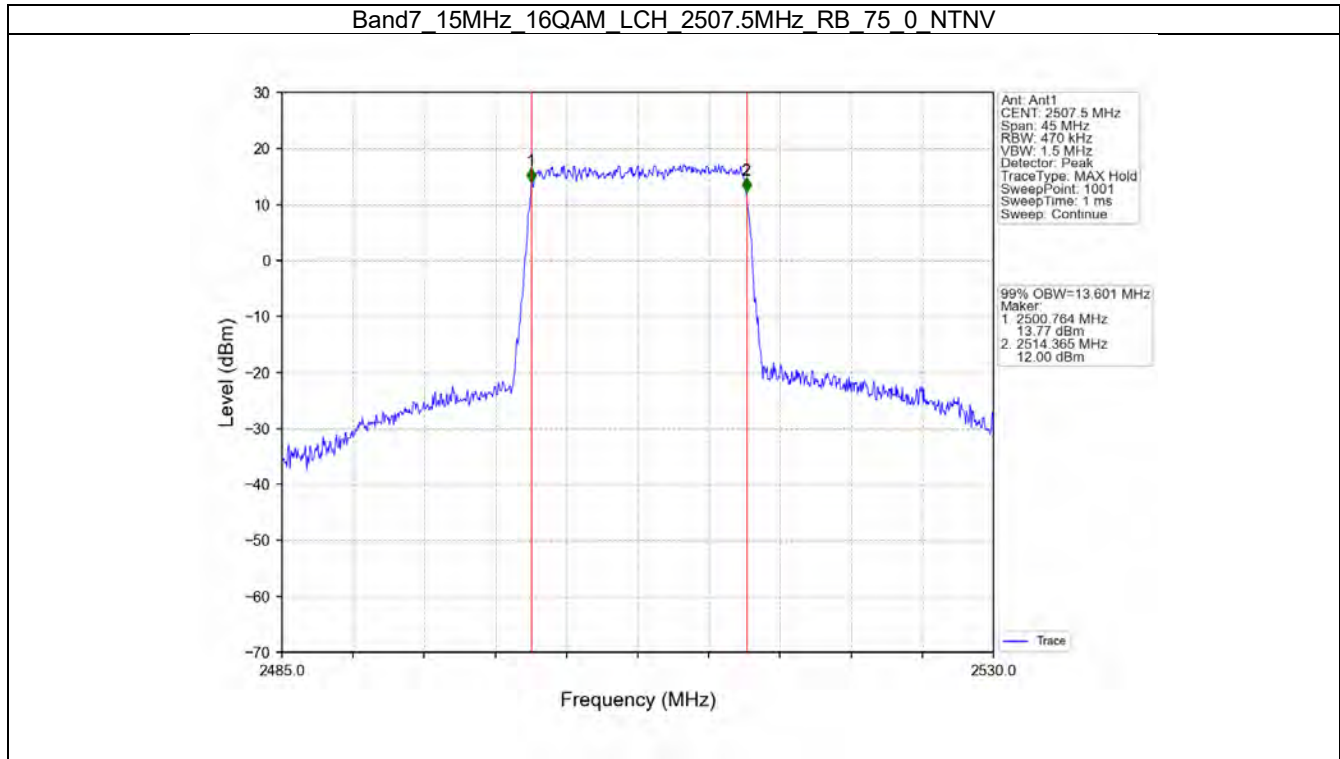


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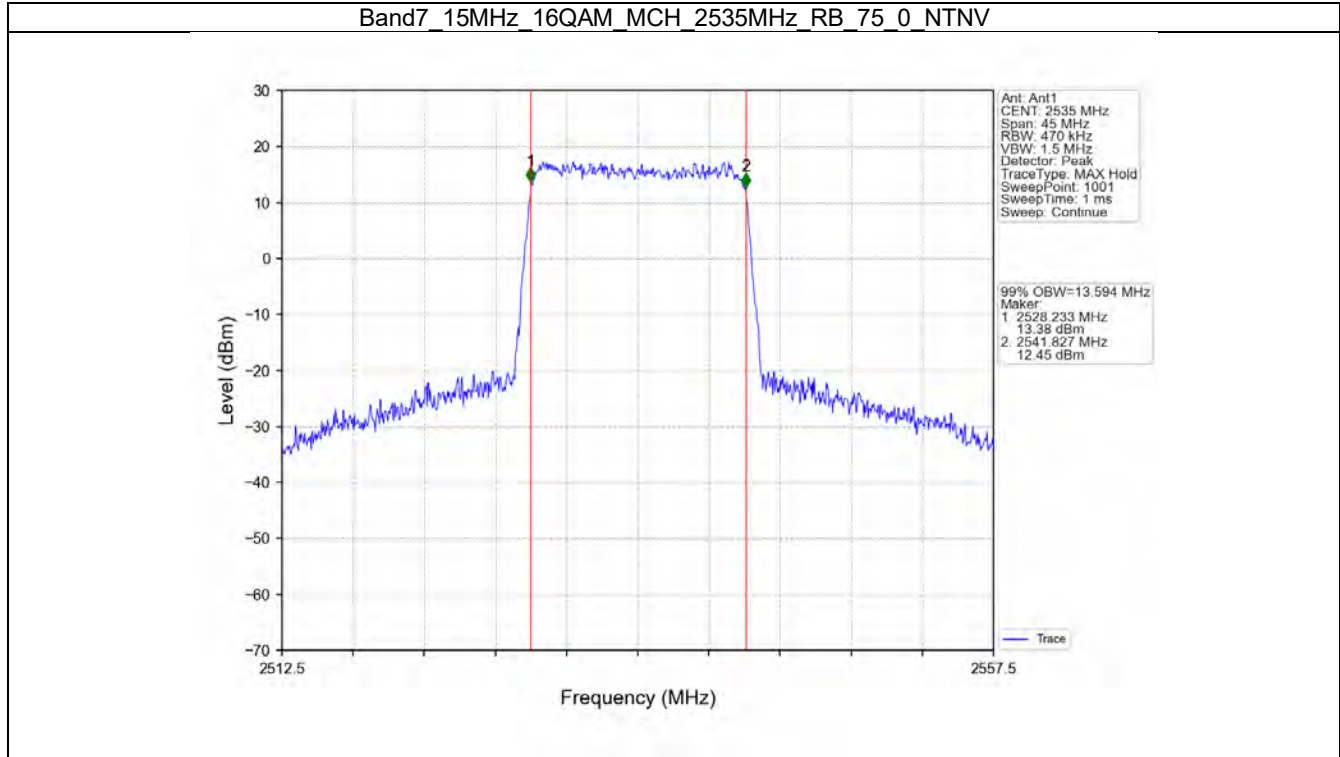


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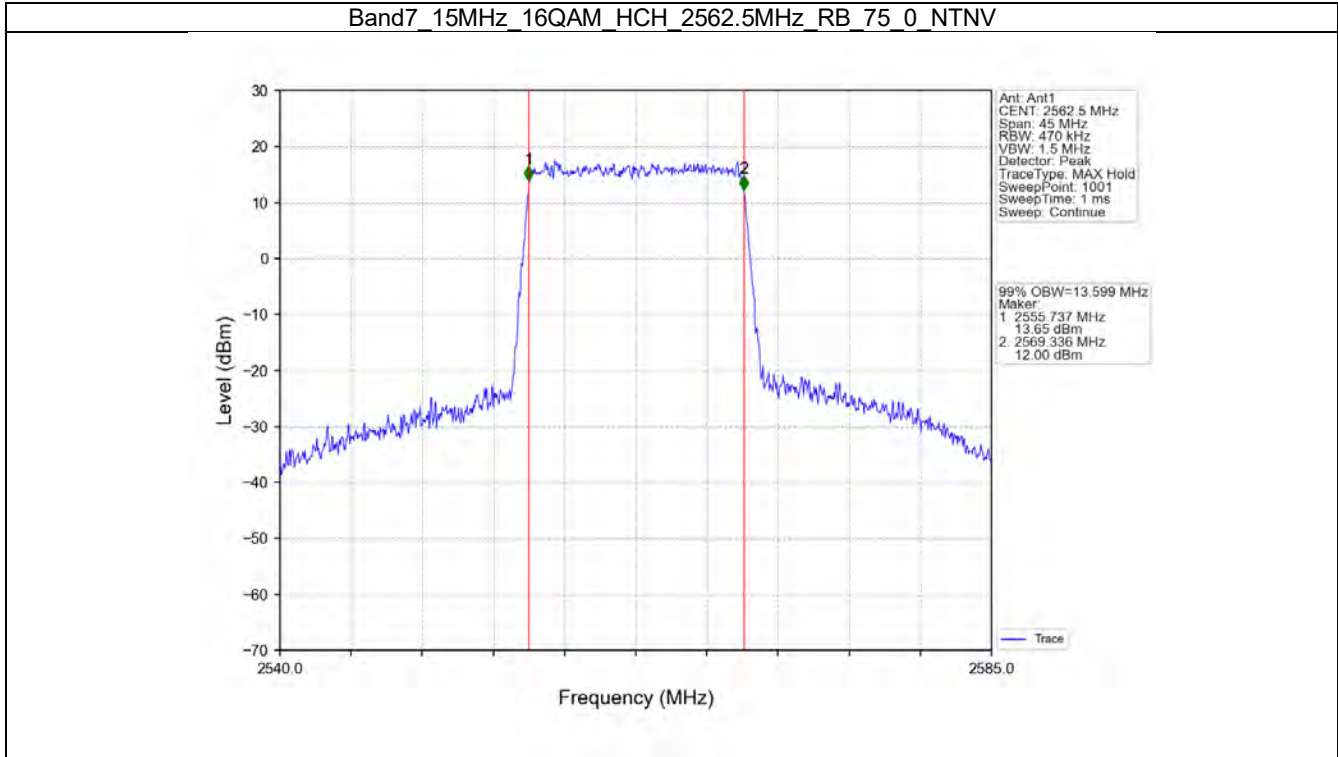


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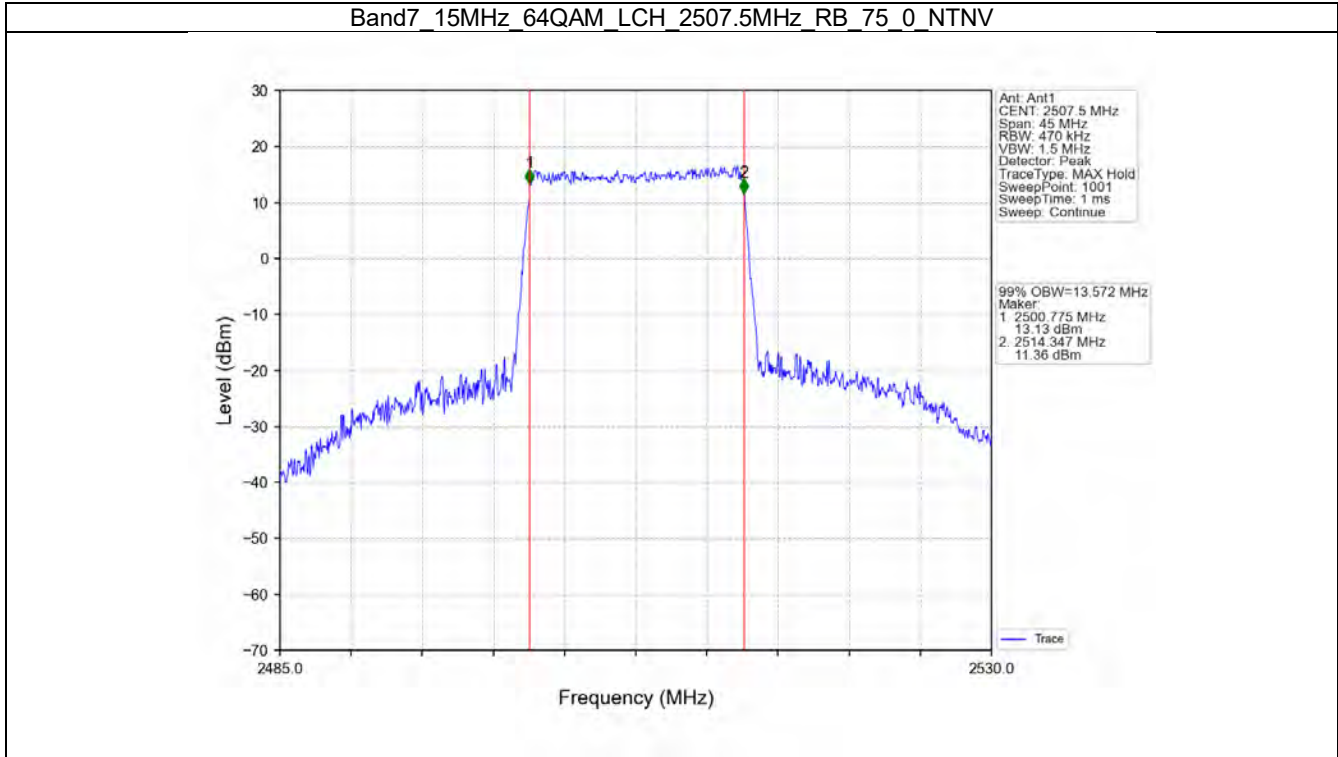


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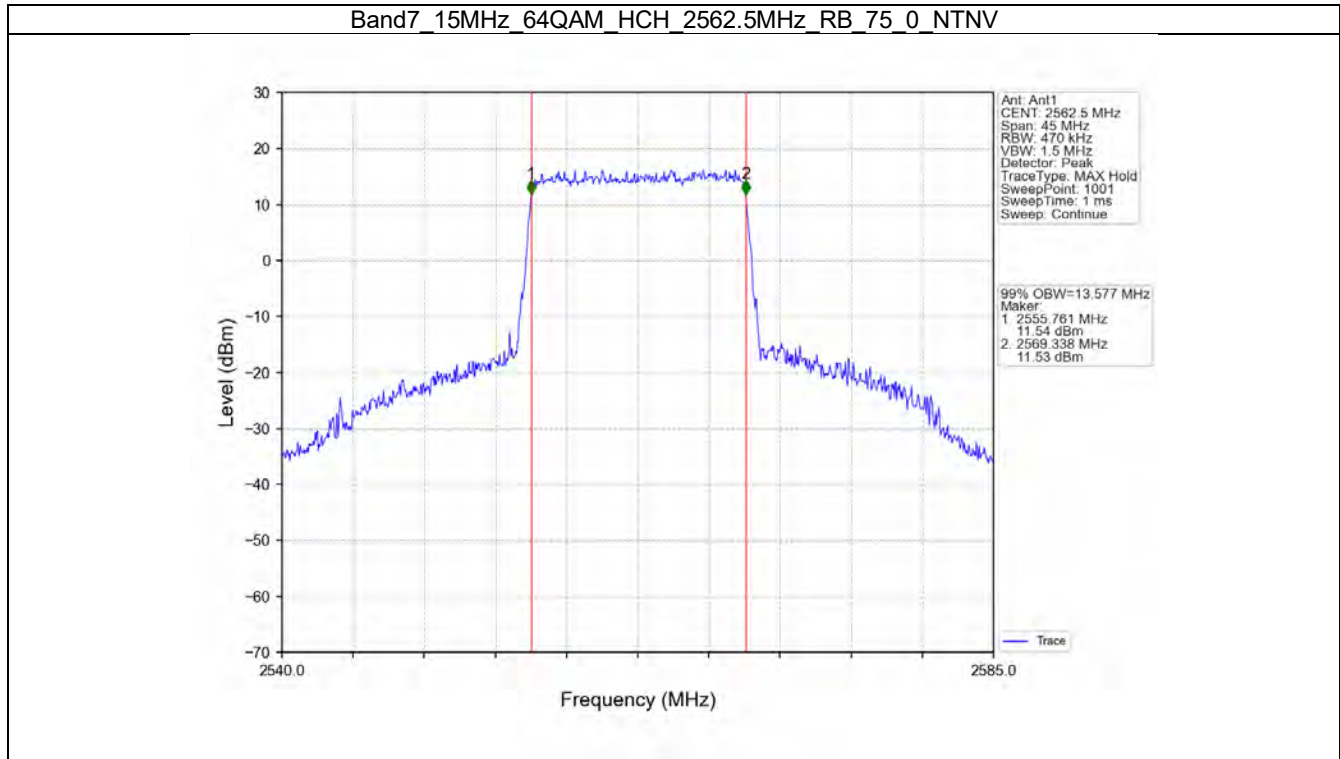


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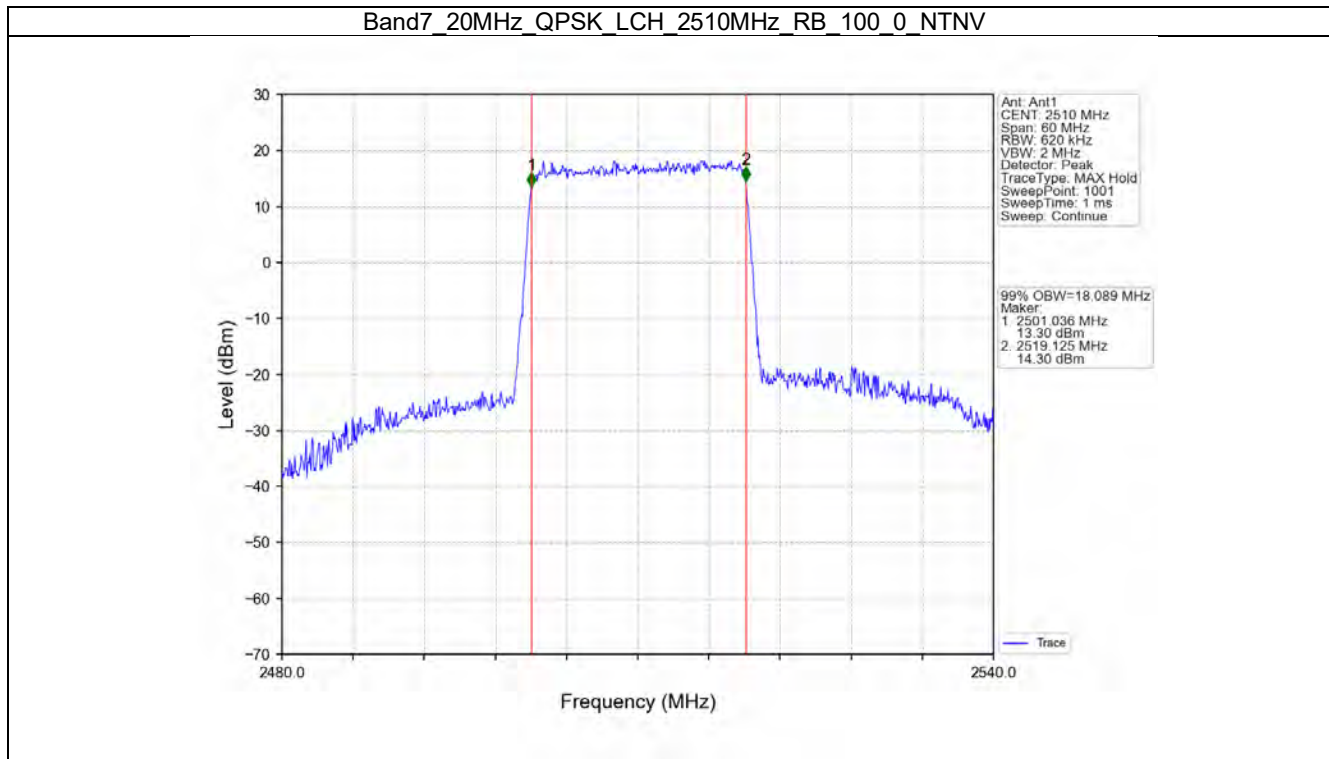
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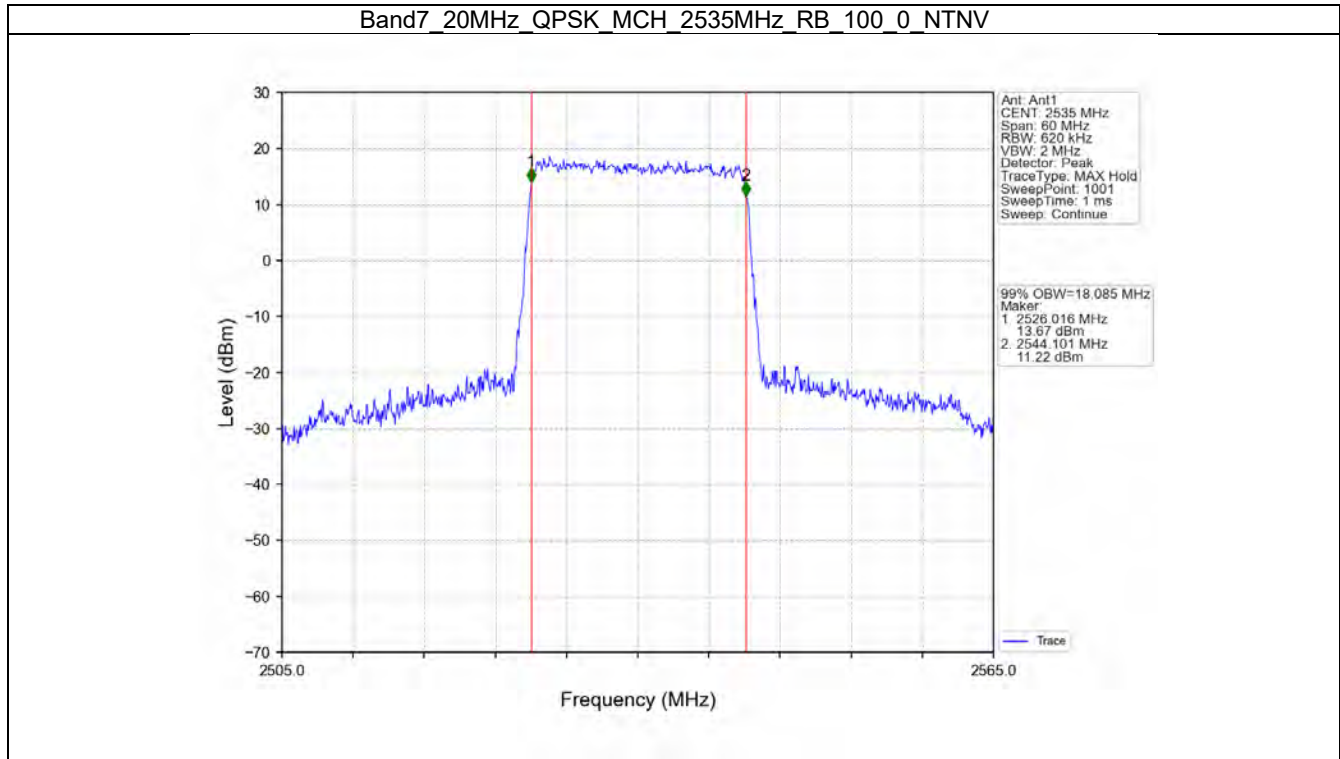


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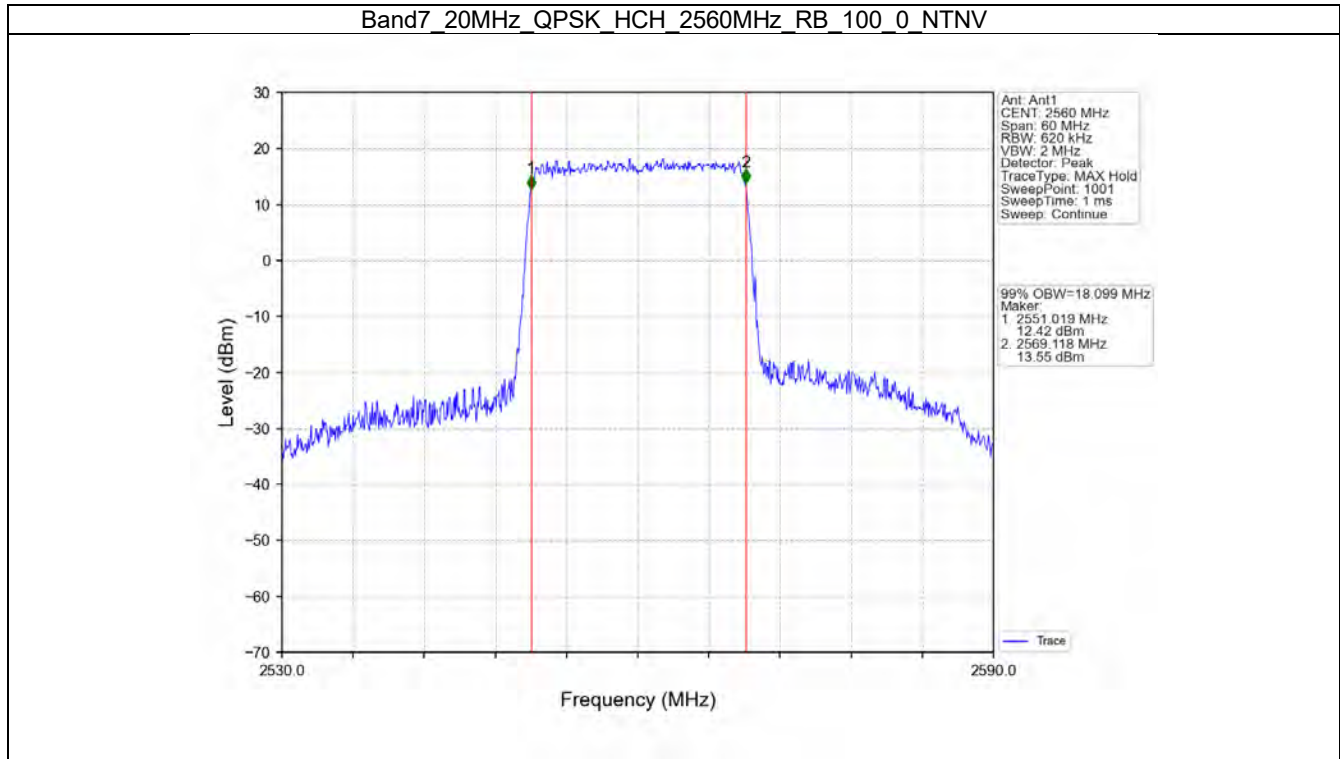


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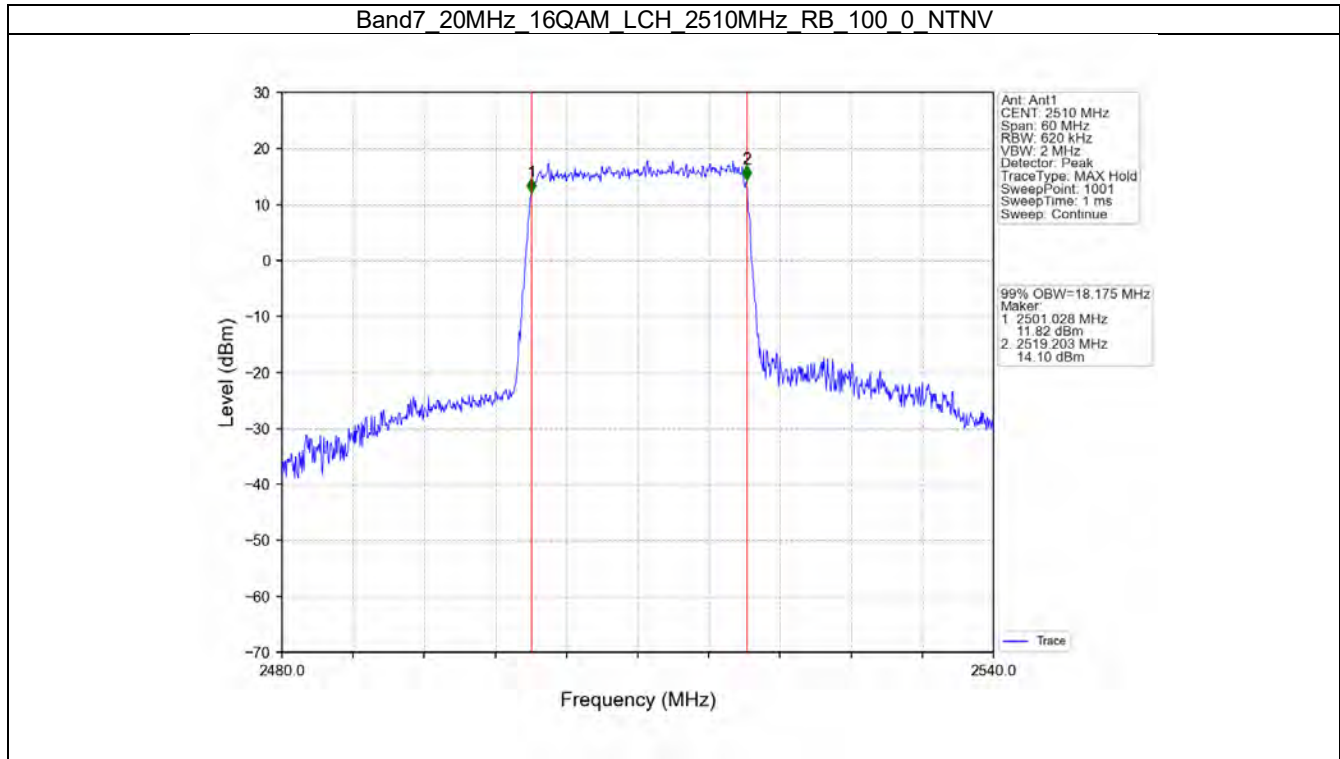


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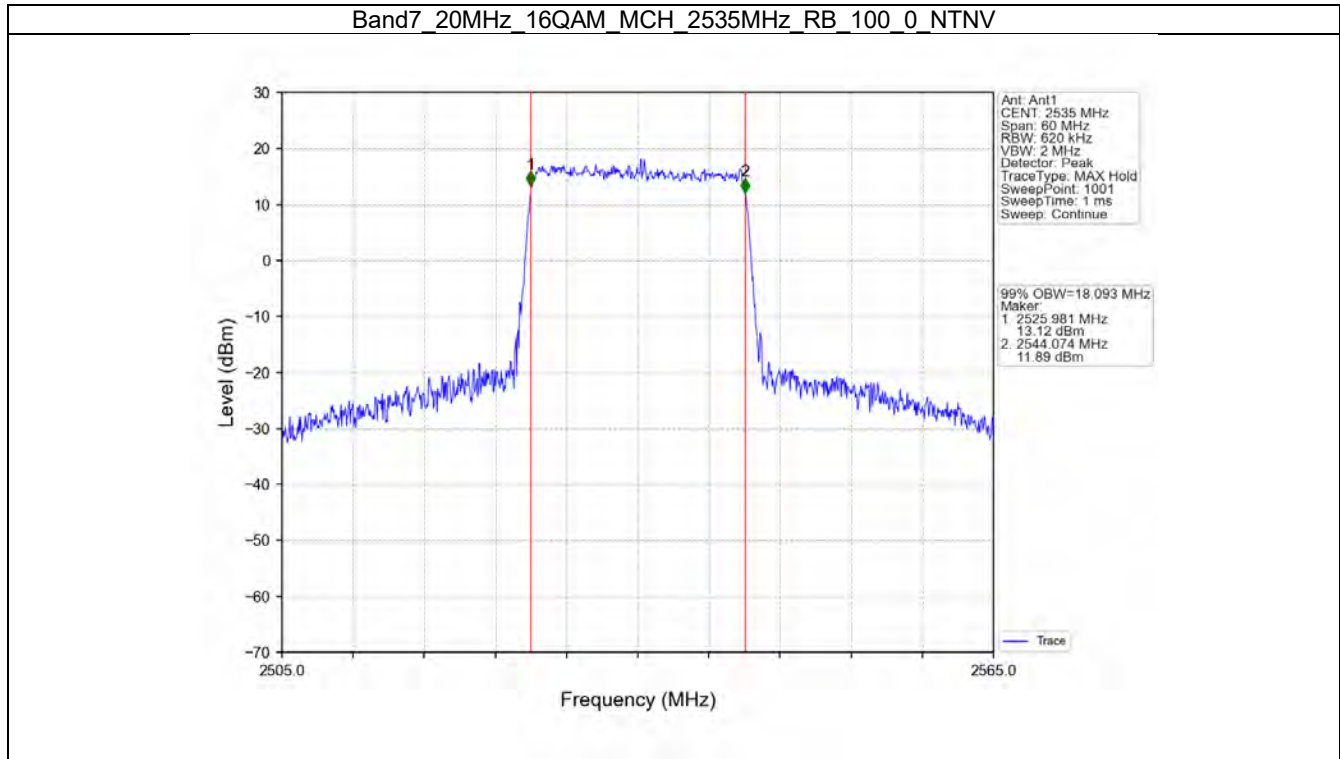


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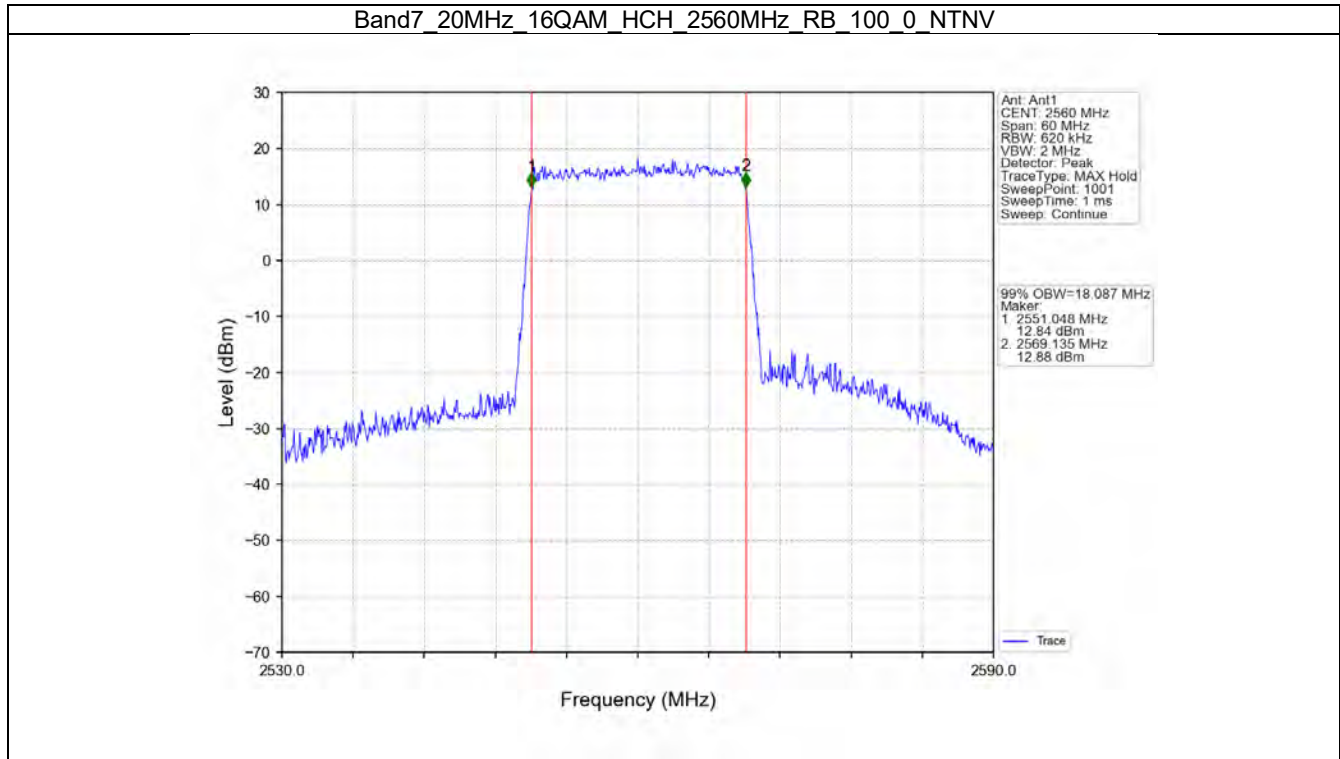


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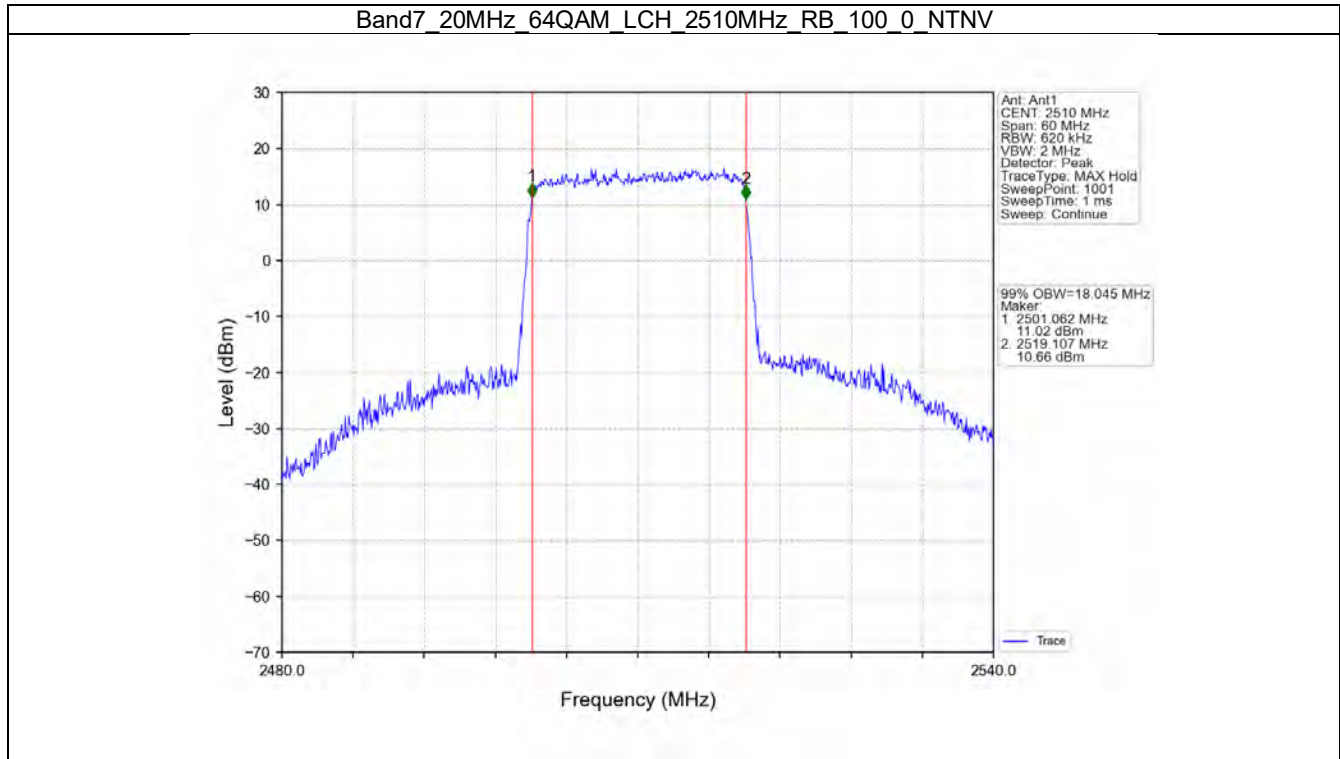


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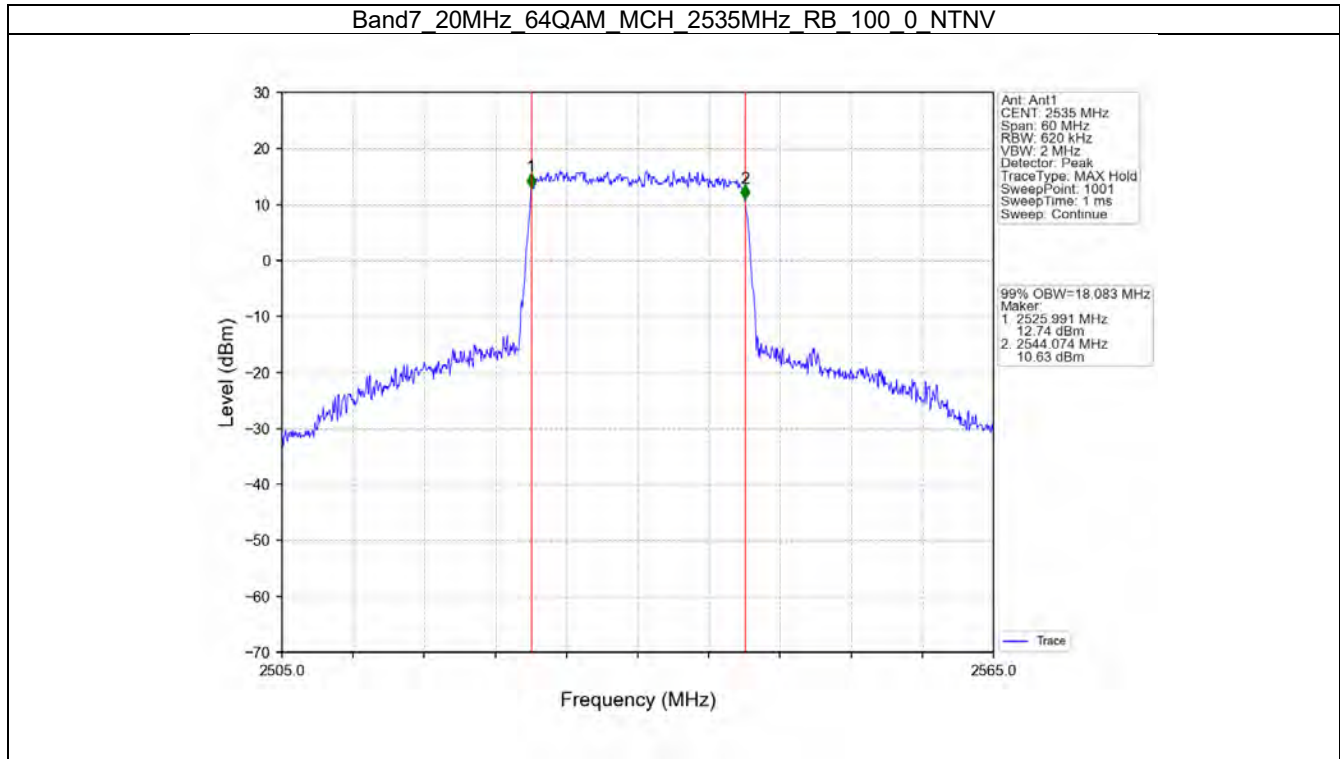


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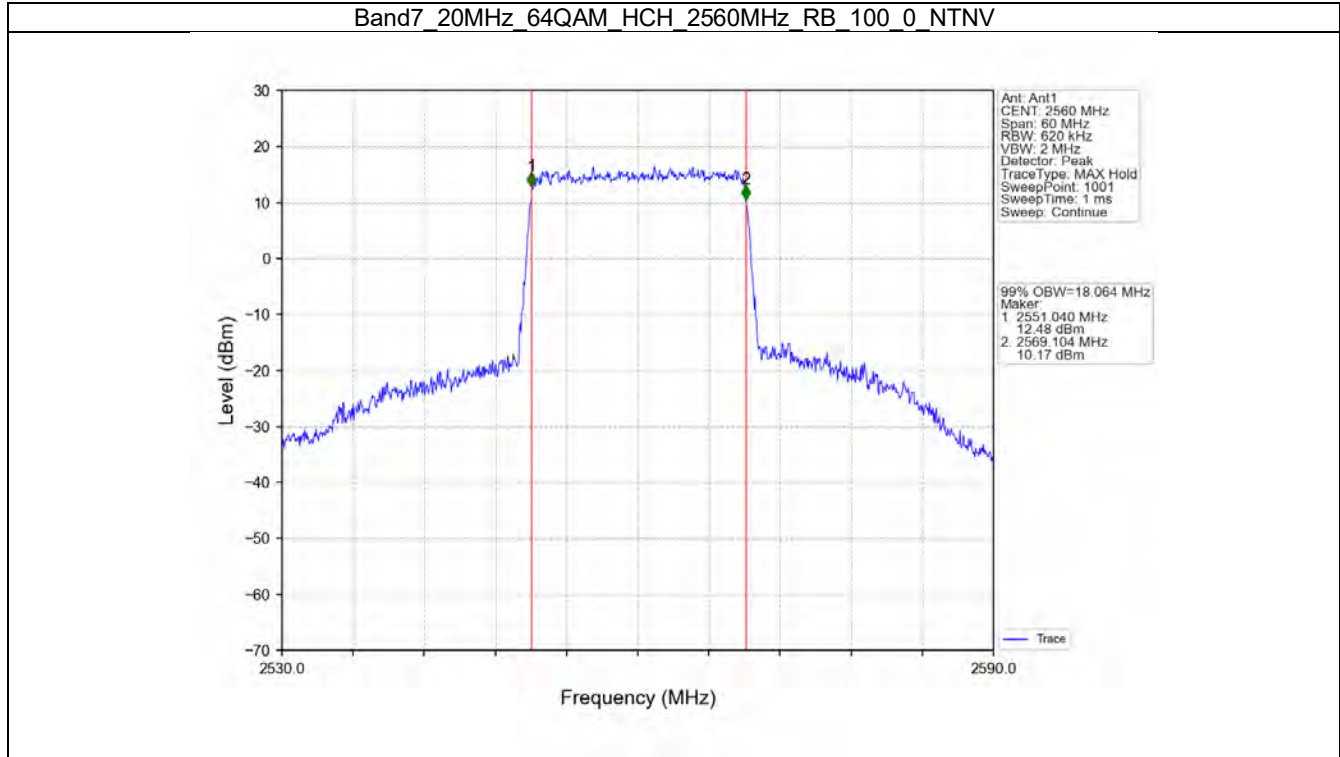


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3.2 Band7_XDB

3.2.1 Test Result

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.002	/	Pass
		2535	25	0	5.017	/	Pass
		2567.5	25	0	5.004	/	Pass
	16QAM	2502.5	25	0	5.033	/	Pass
		2535	25	0	5.026	/	Pass
		2567.5	25	0	5.038	/	Pass
	64QAM	2502.5	25	0	4.998	/	Pass
		2535	25	0	5.048	/	Pass
		2567.5	25	0	5.038	/	Pass
10	QPSK	2505	50	0	9.941	/	Pass
		2535	50	0	9.944	/	Pass
		2565	50	0	9.934	/	Pass
	16QAM	2505	50	0	9.854	/	Pass
		2535	50	0	9.932	/	Pass
		2565	50	0	9.972	/	Pass
	64QAM	2505	50	0	9.905	/	Pass
		2535	50	0	9.943	/	Pass
		2565	50	0	9.934	/	Pass
15	QPSK	2507.5	75	0	14.908	/	Pass
		2535	75	0	14.945	/	Pass
		2562.5	75	0	15.007	/	Pass
	16QAM	2507.5	75	0	14.905	/	Pass
		2535	75	0	14.912	/	Pass
		2562.5	75	0	14.972	/	Pass
	64QAM	2507.5	75	0	14.886	/	Pass
		2535	75	0	15.014	/	Pass
		2562.5	75	0	15.017	/	Pass
20	QPSK	2510	100	0	19.644	/	Pass
		2535	100	0	19.709	/	Pass
		2560	100	0	19.750	/	Pass
	16QAM	2510	100	0	19.740	/	Pass
		2535	100	0	19.798	/	Pass
		2560	100	0	19.617	/	Pass
	64QAM	2510	100	0	19.676	/	Pass
		2535	100	0	19.800	/	Pass
		2560	100	0	19.739	/	Pass



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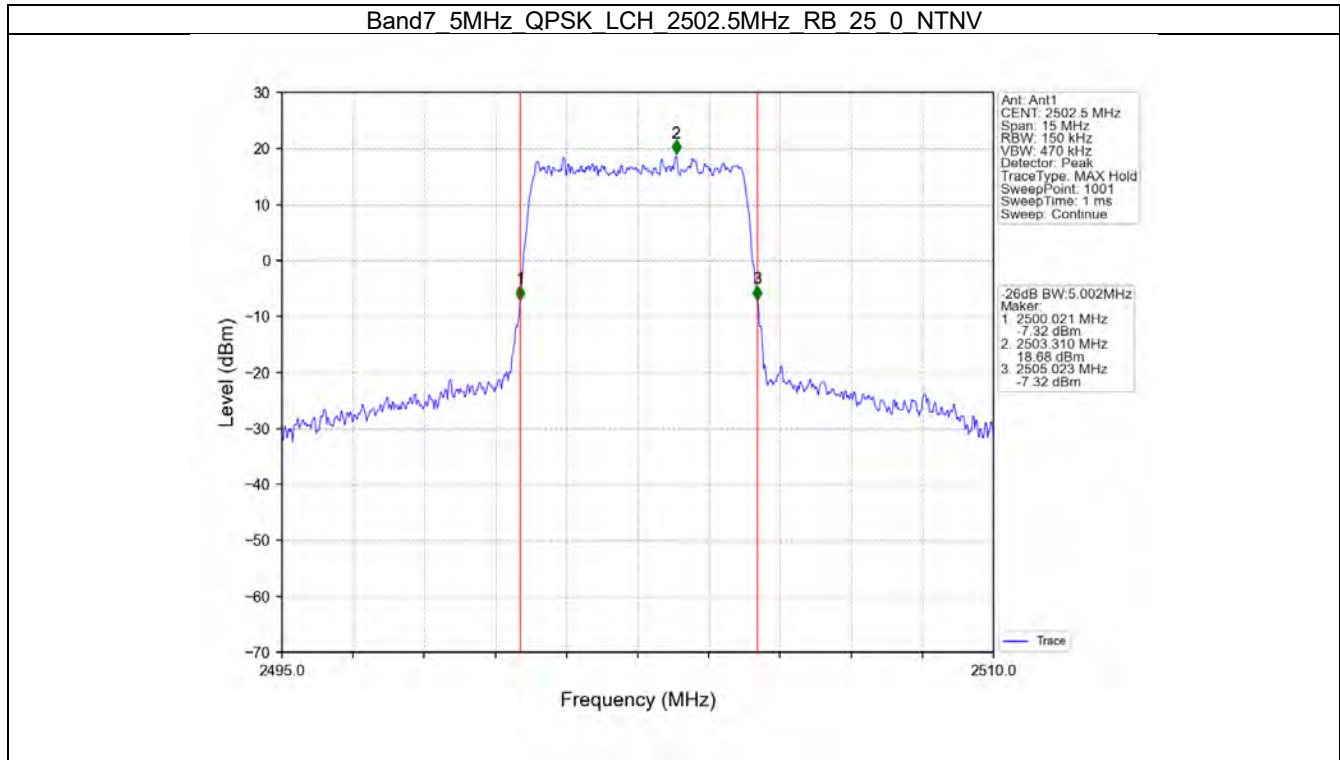
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3.2.2 Test Graph



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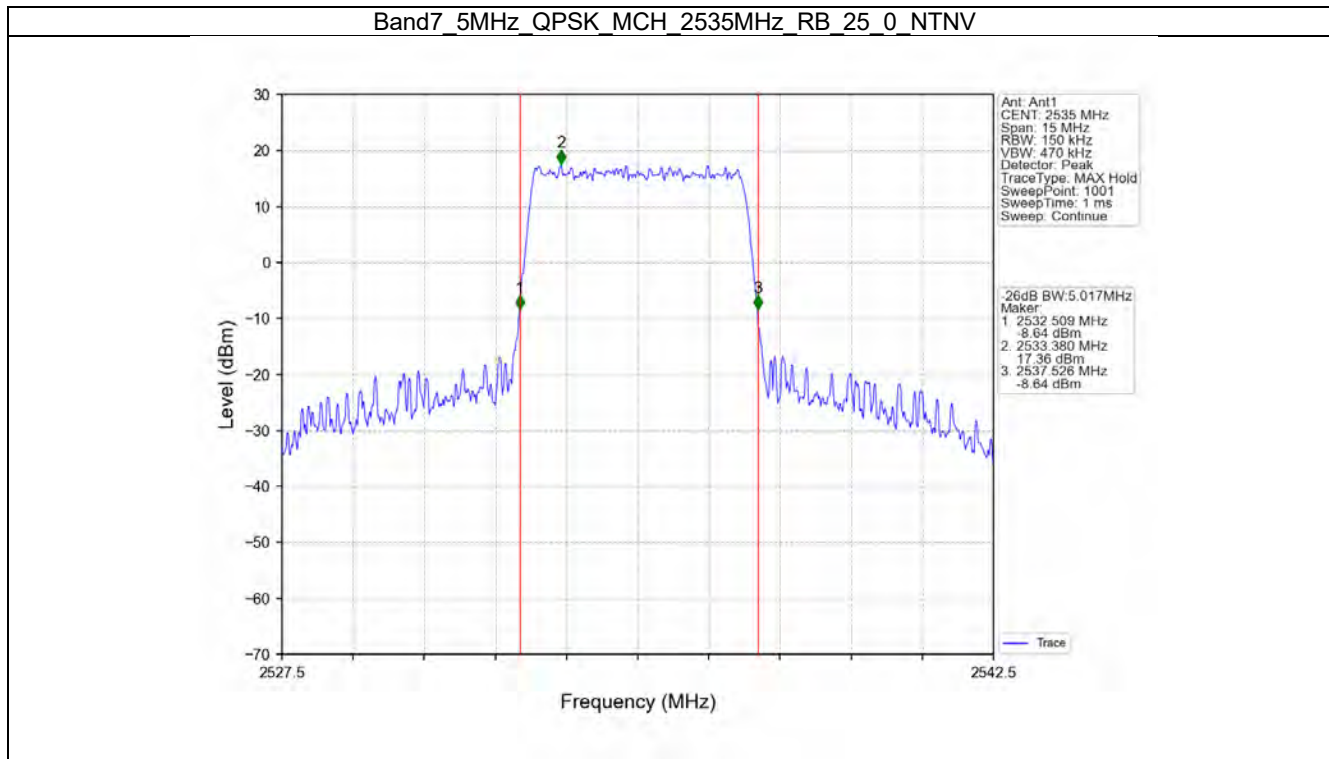
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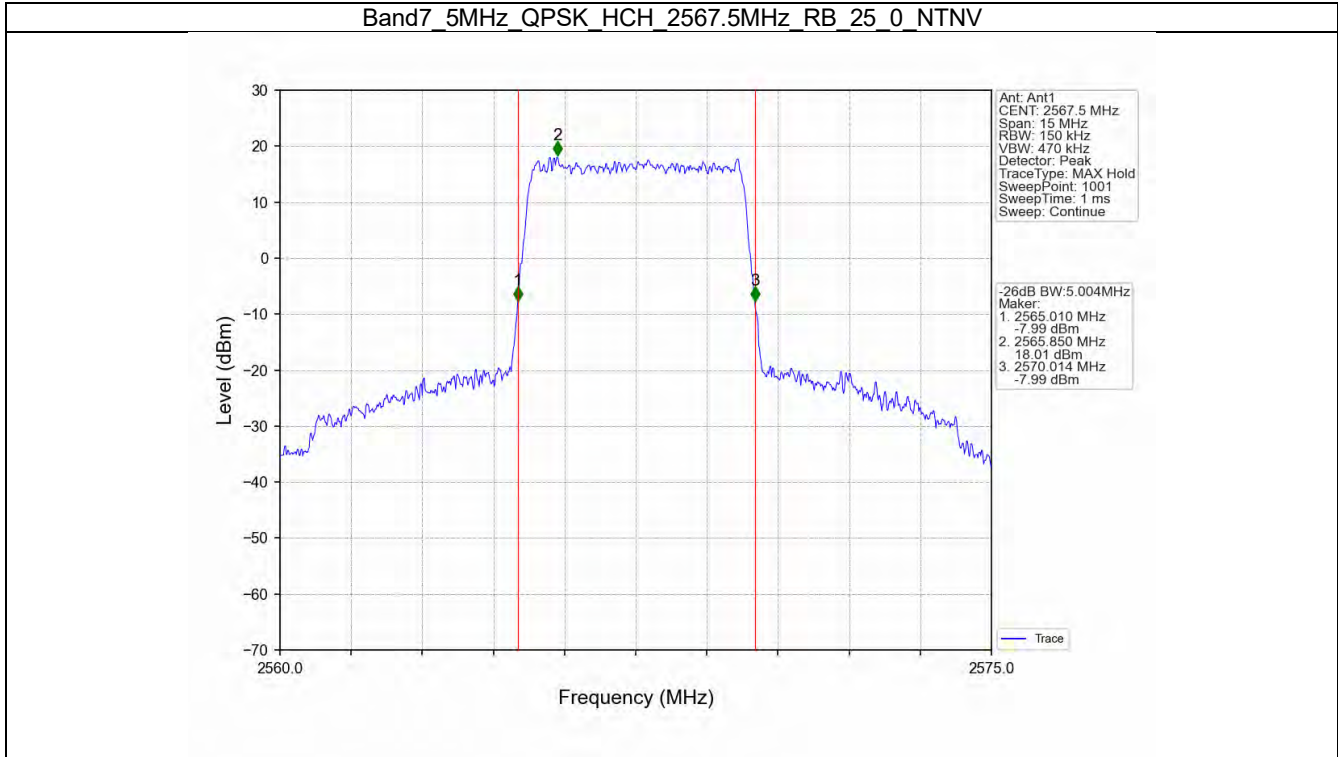


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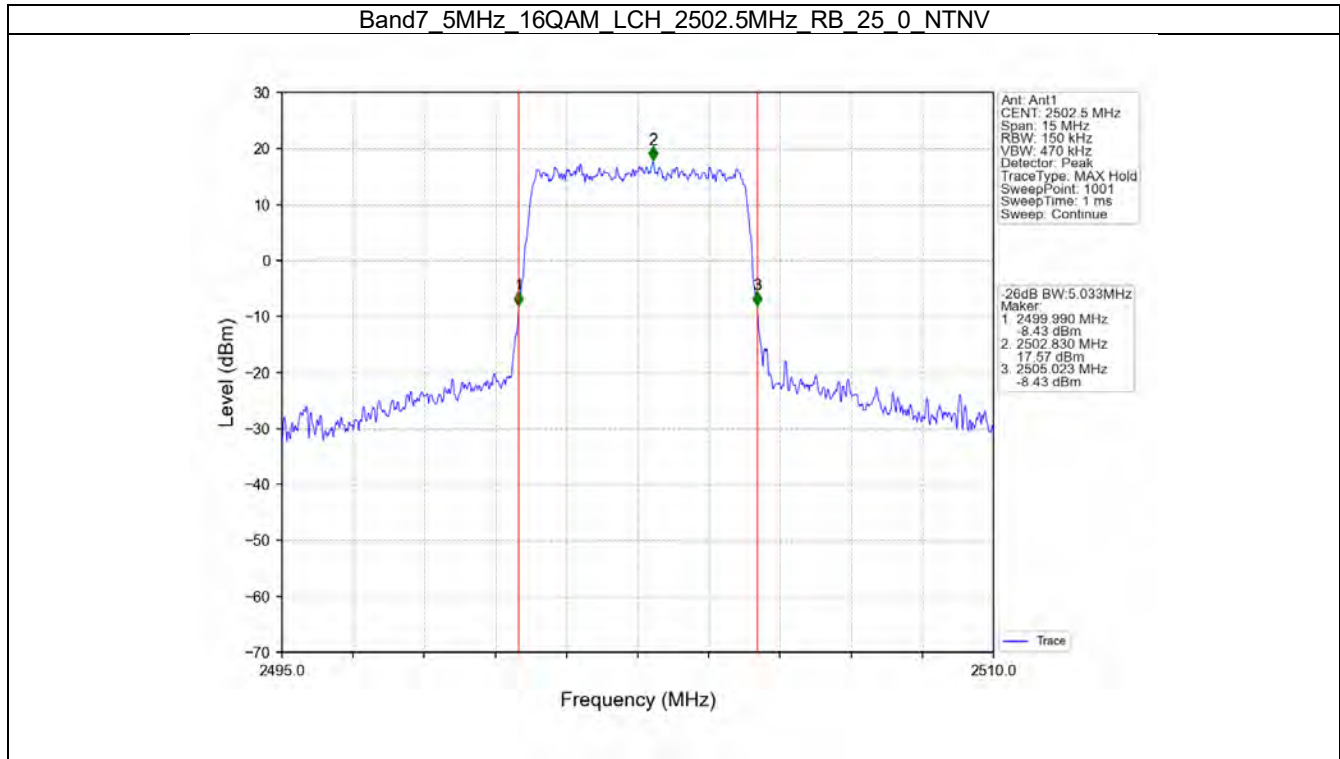


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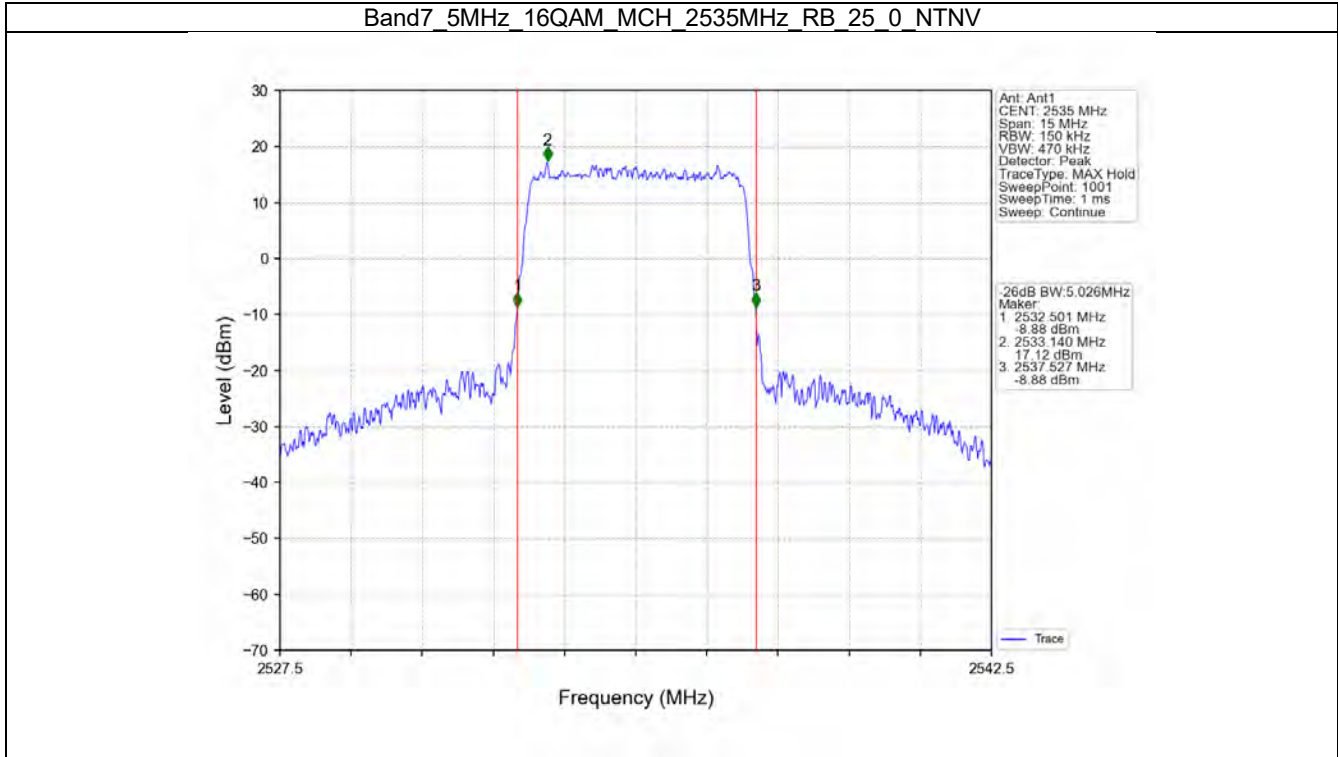


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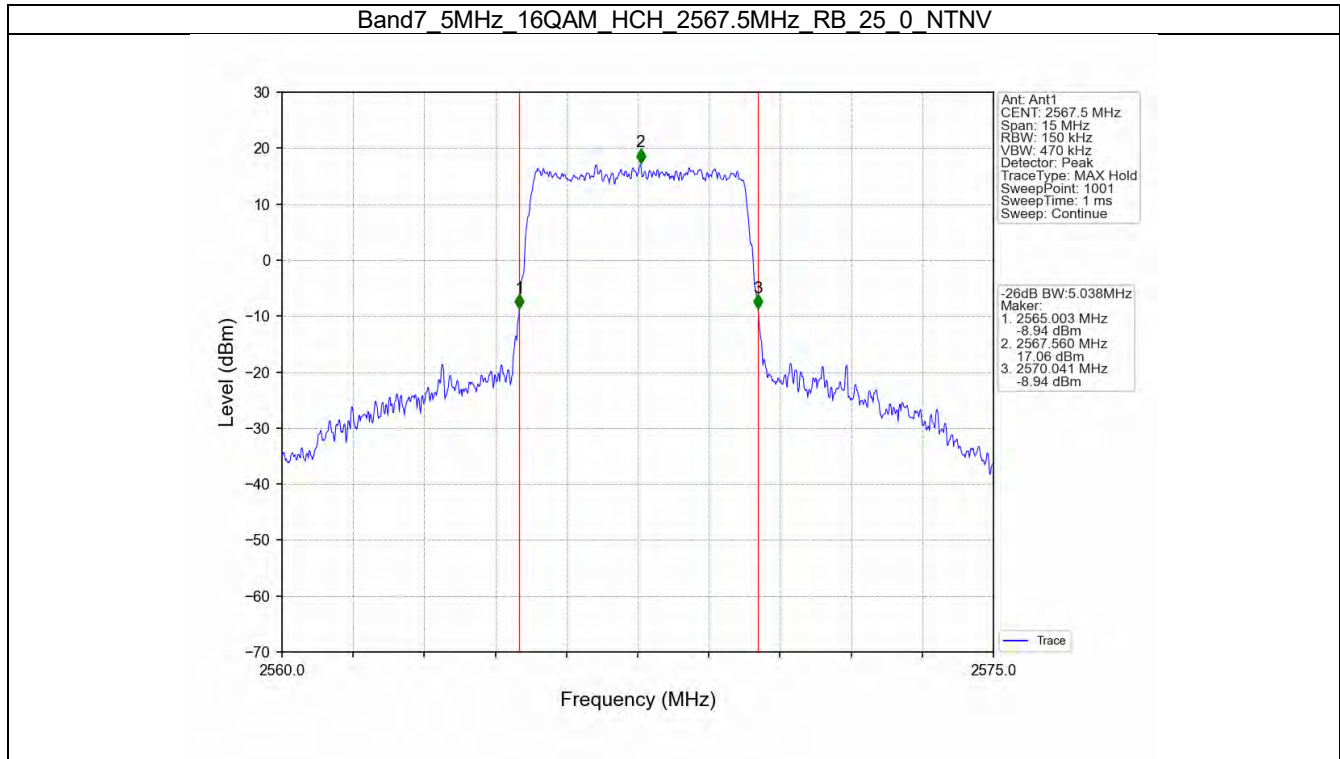


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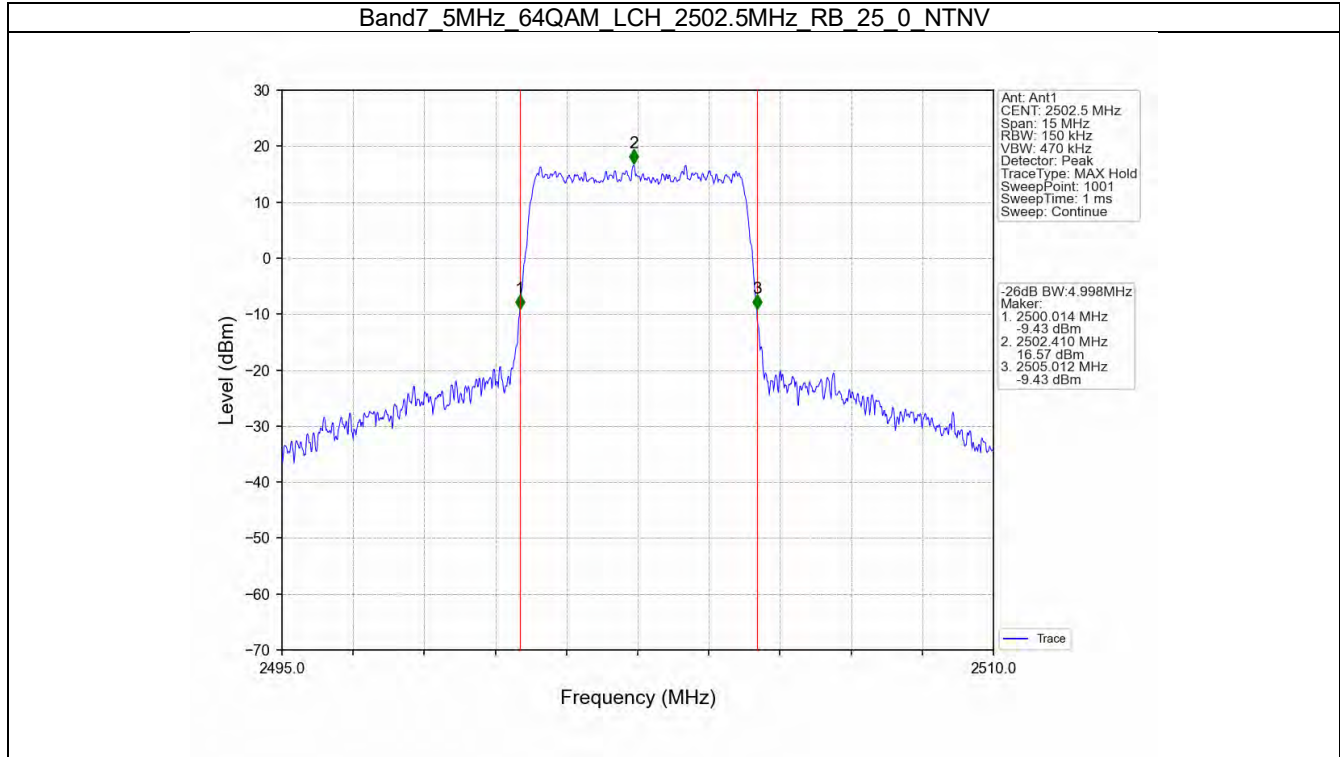


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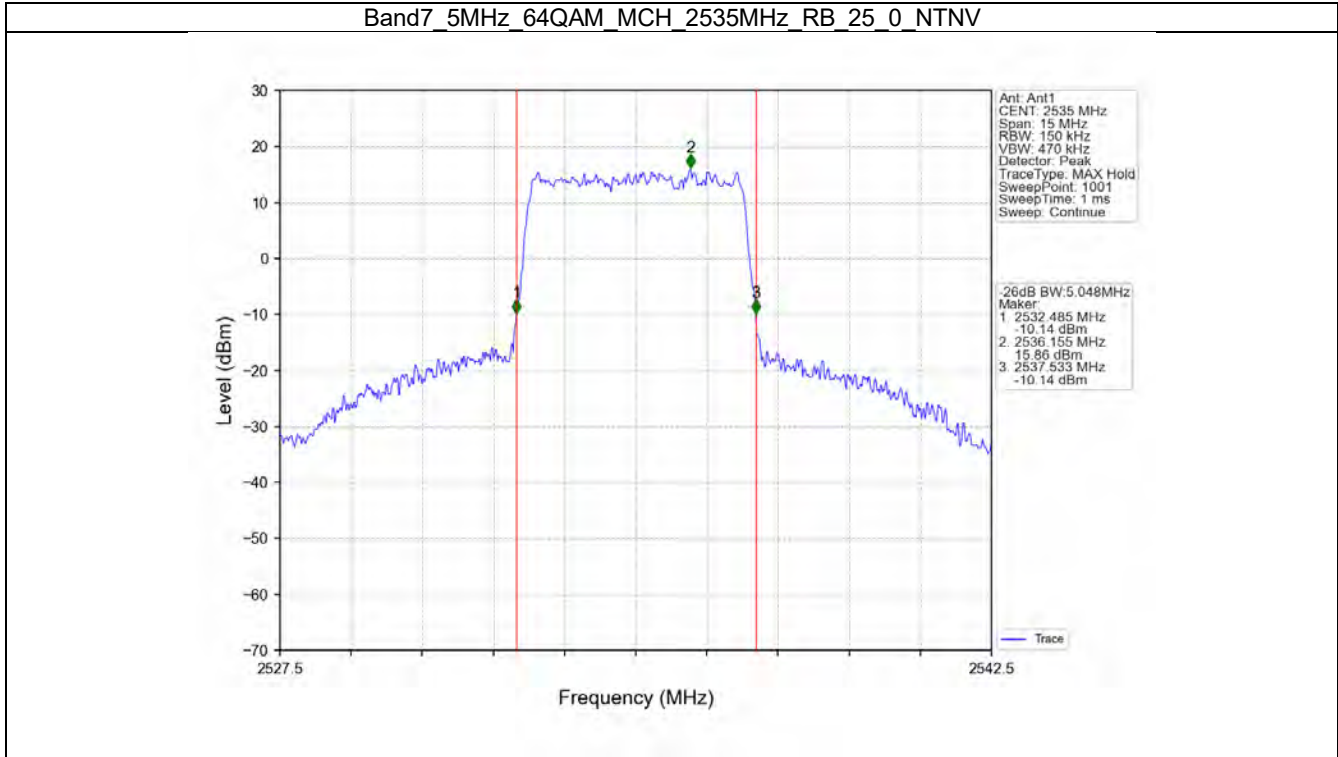


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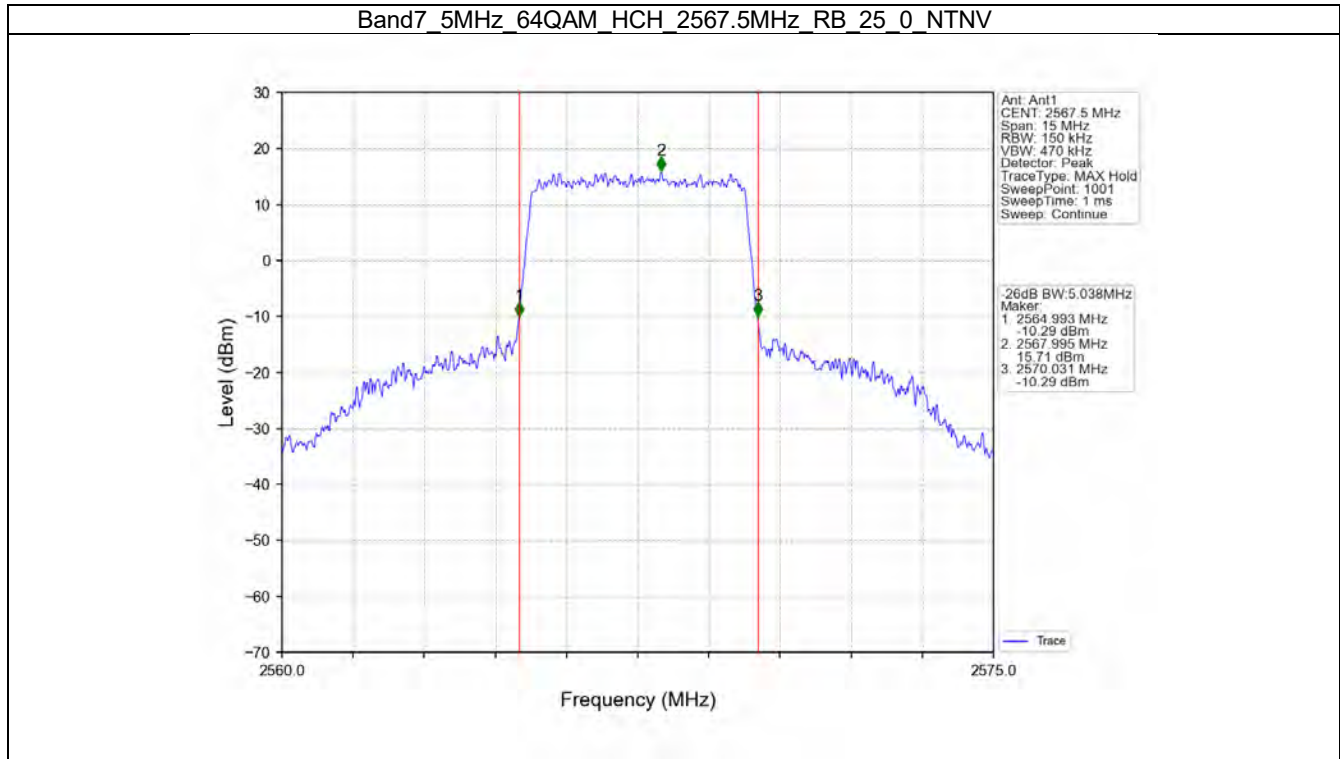


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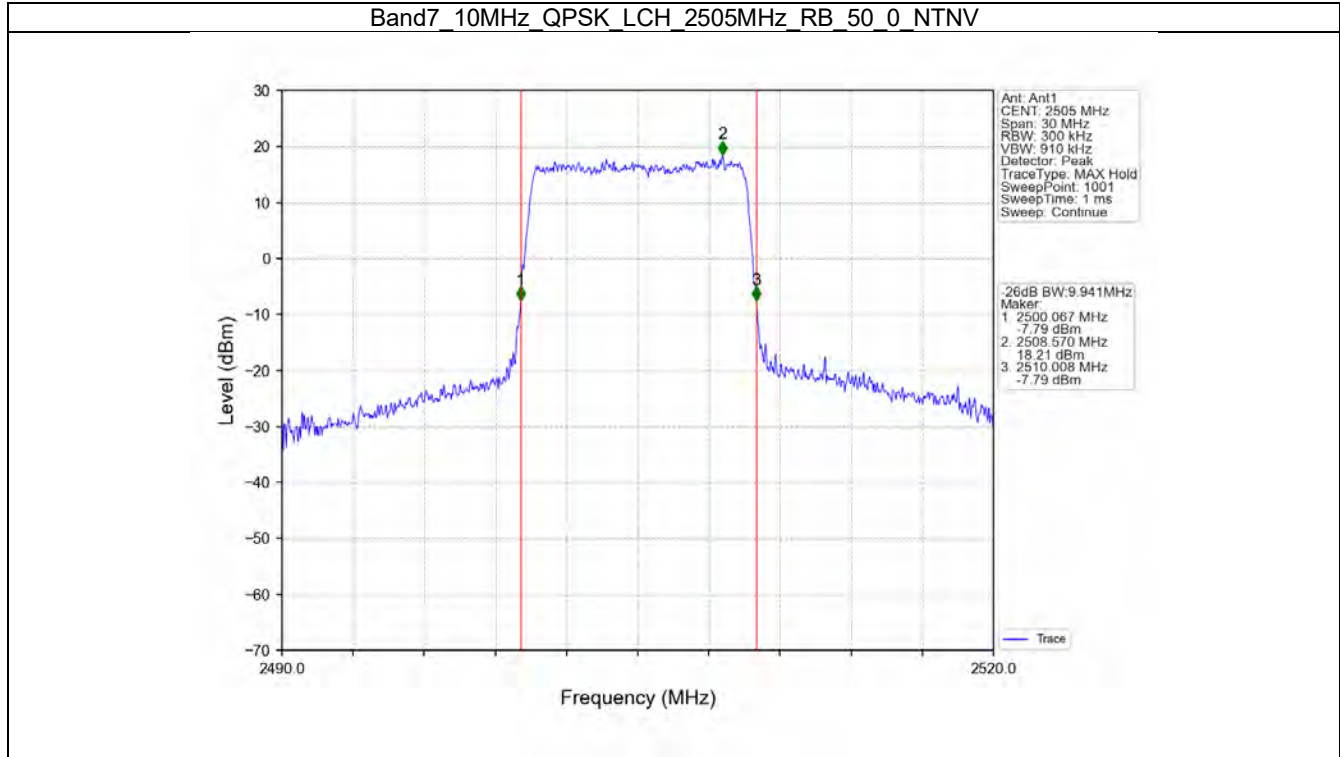


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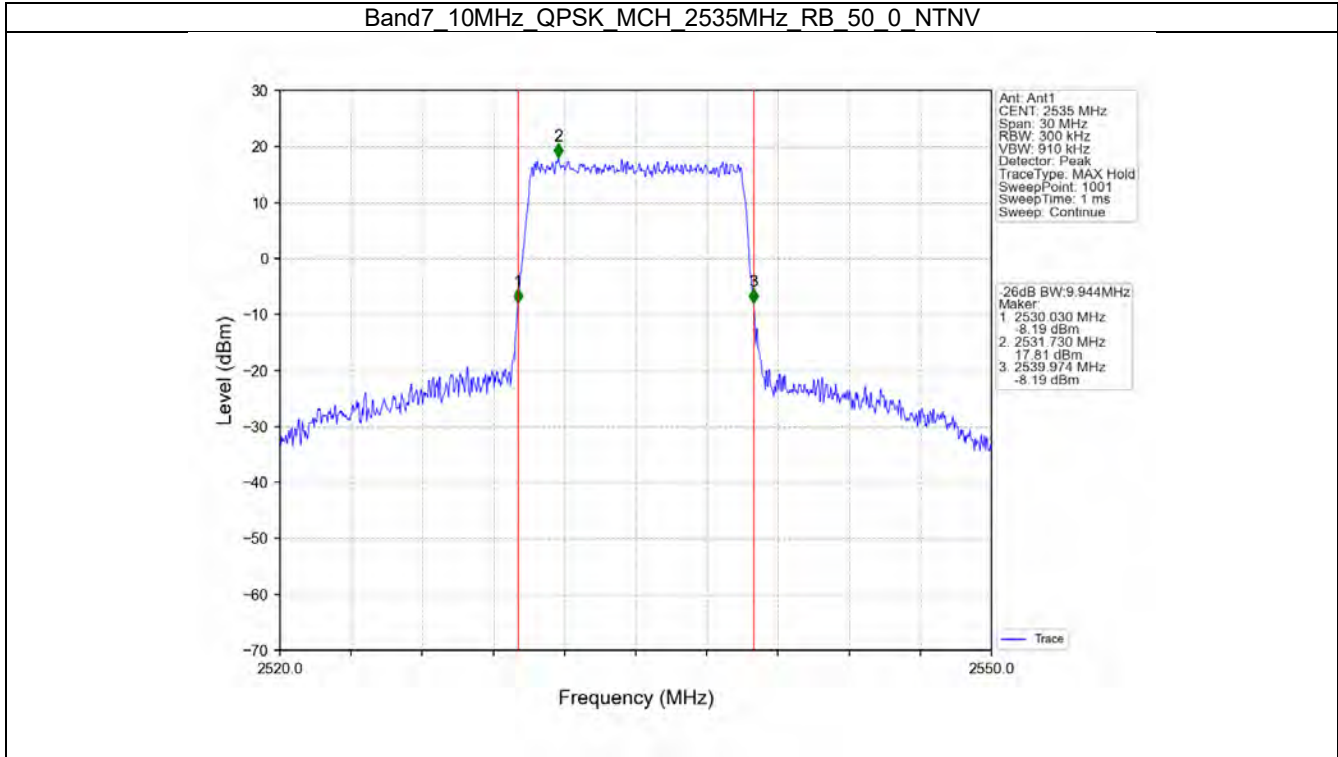


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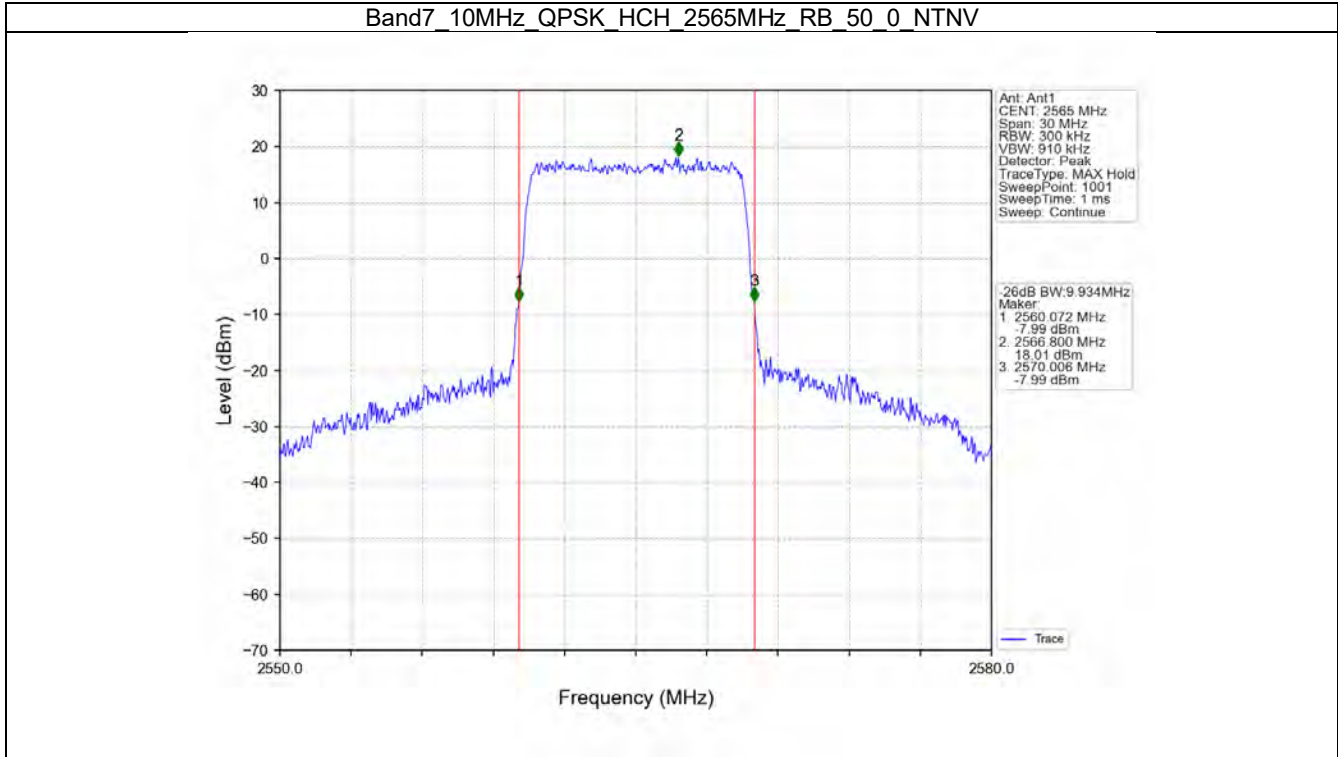


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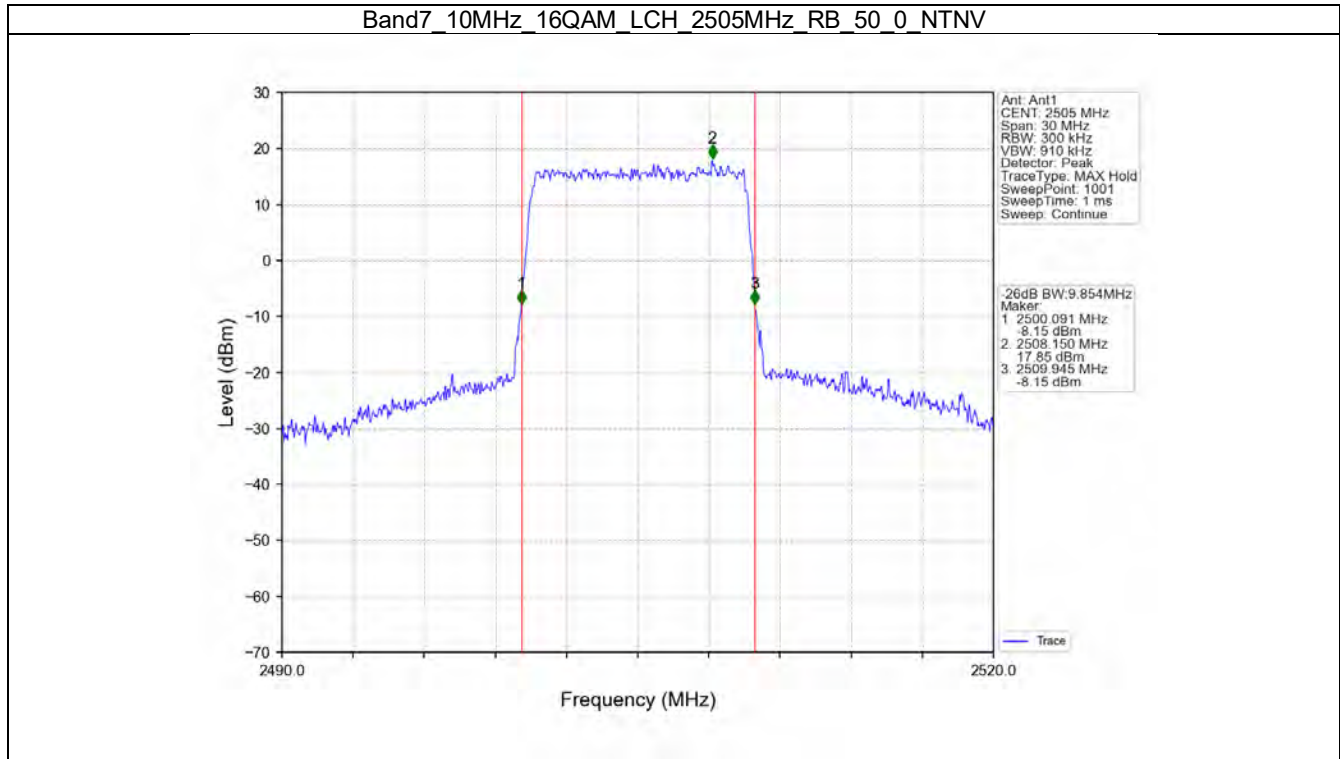


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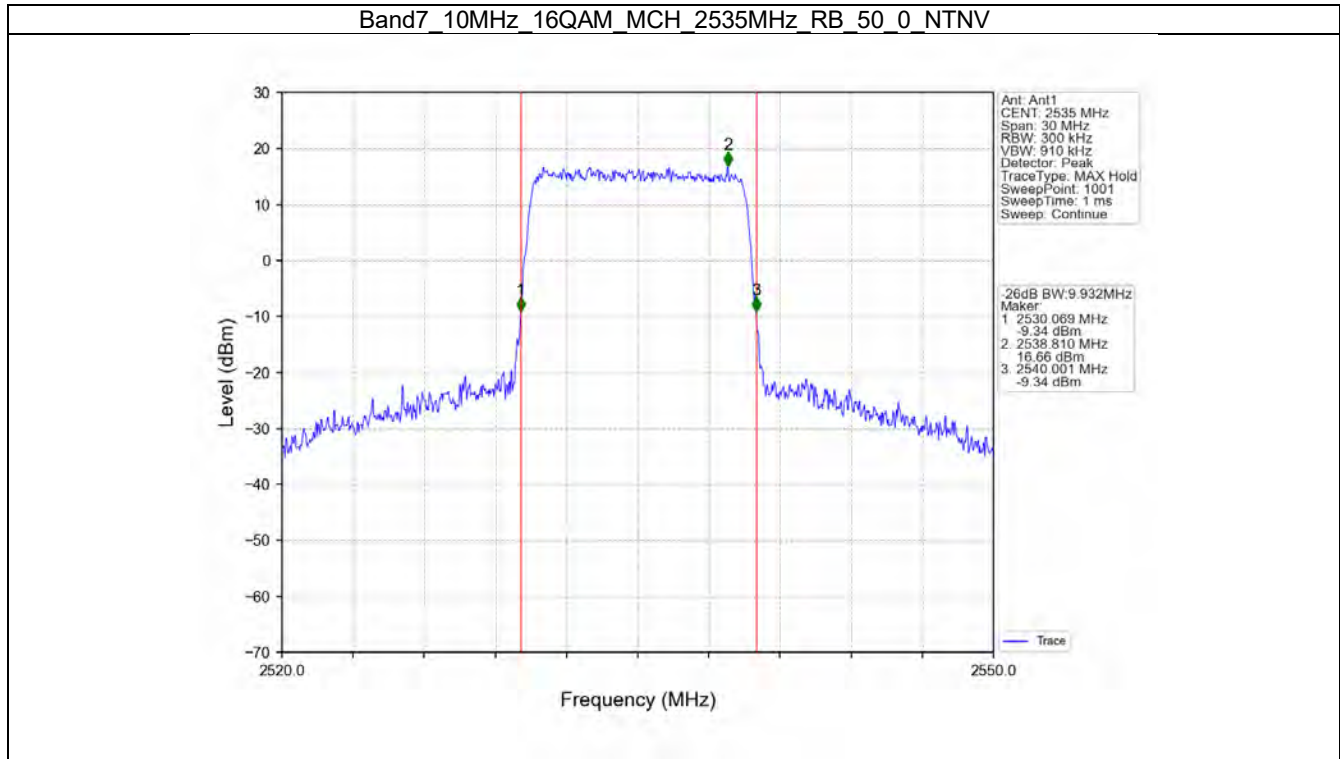


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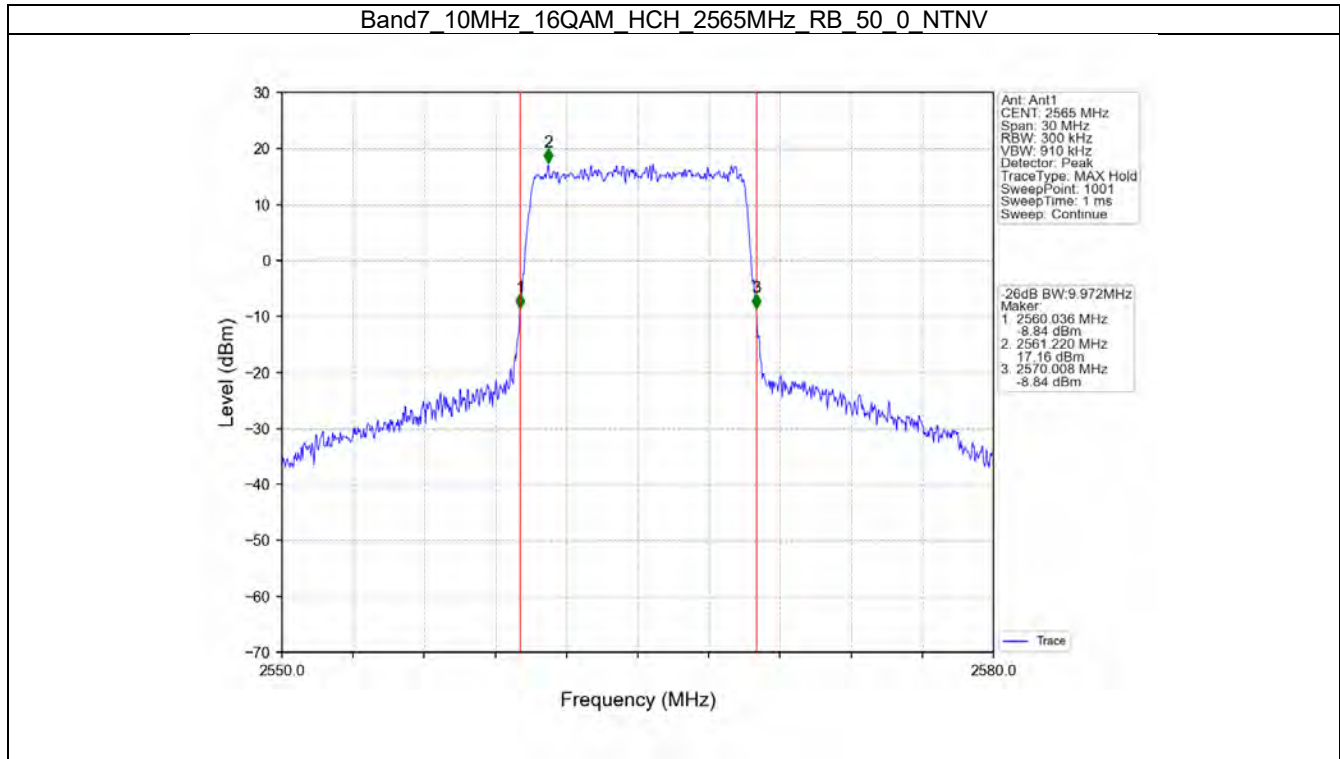


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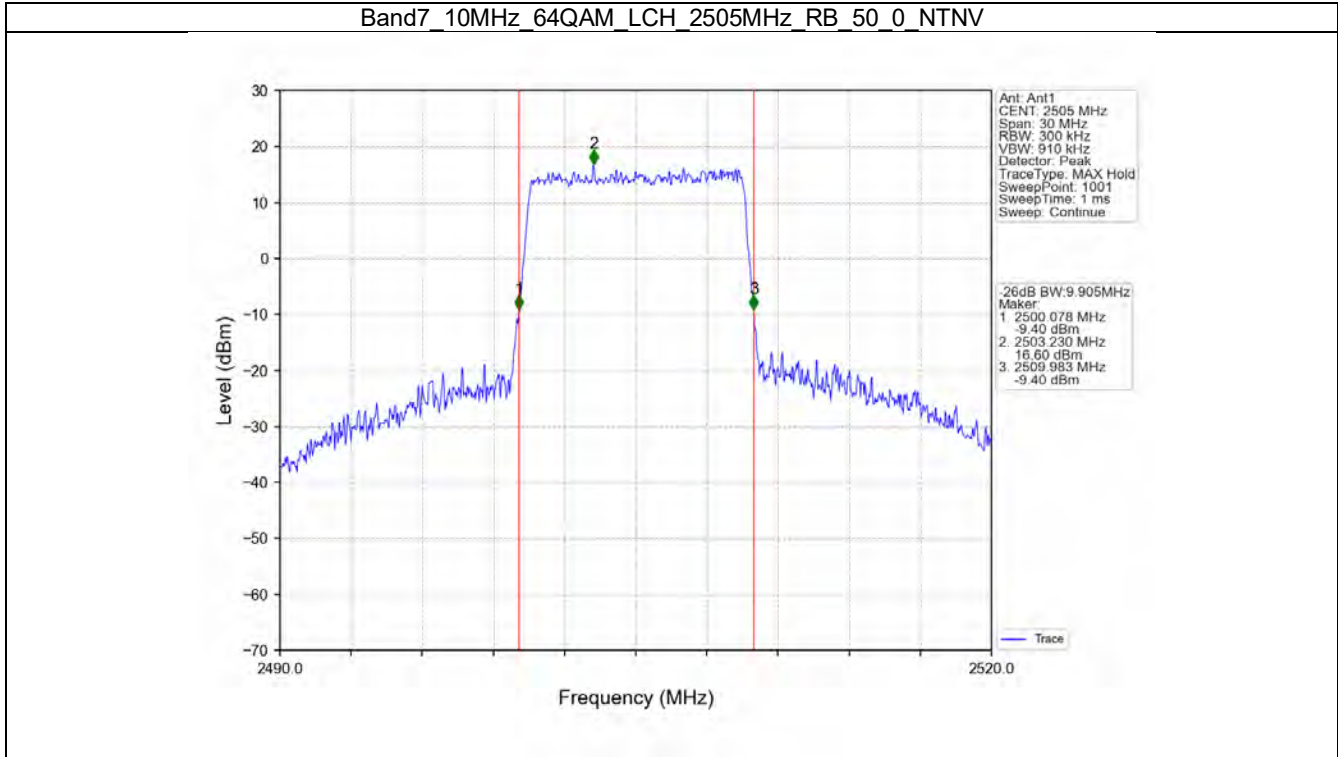


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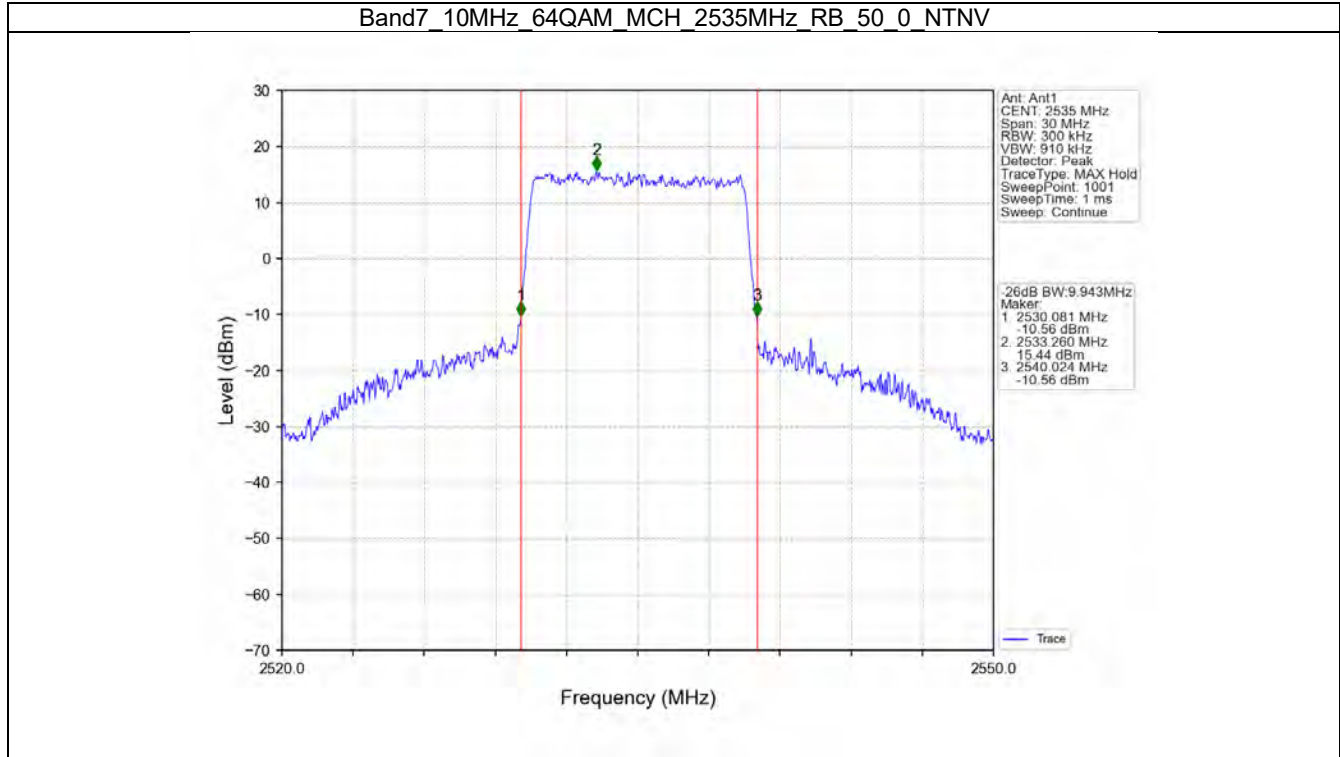


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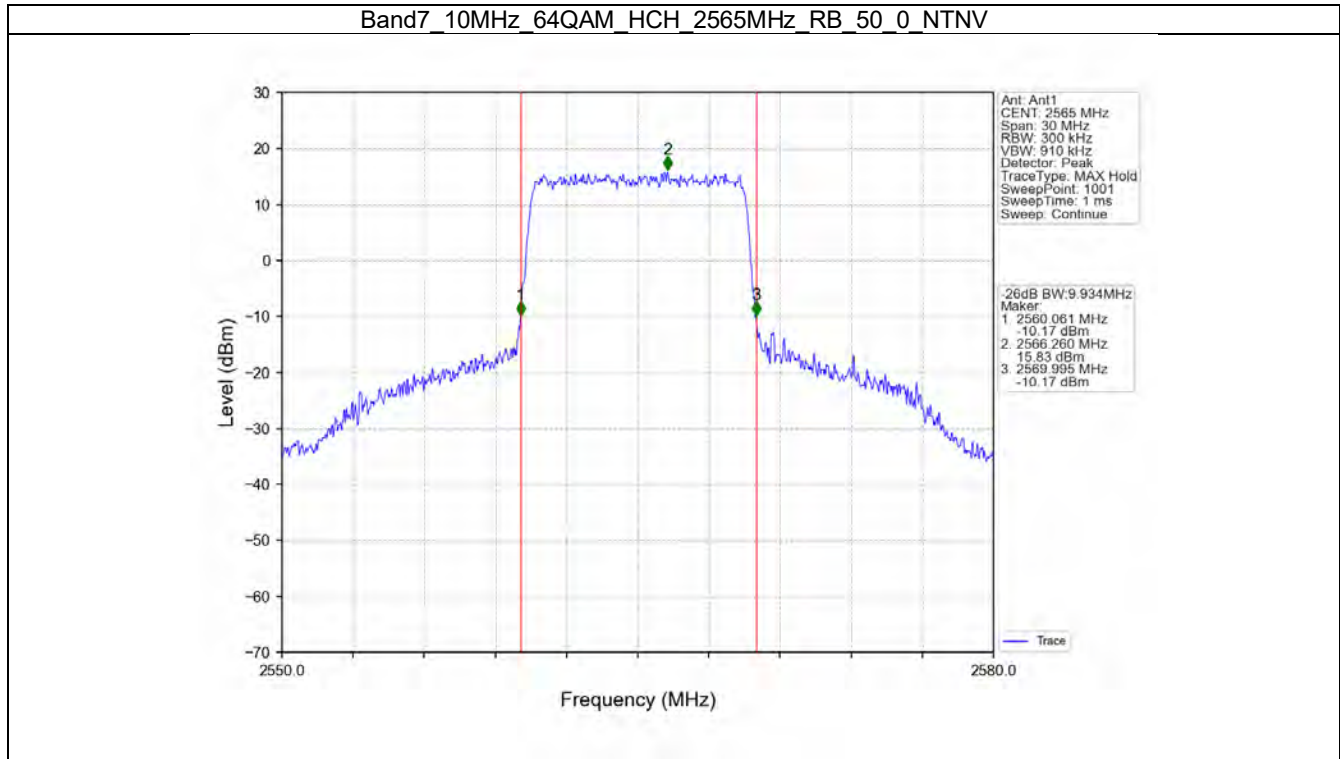


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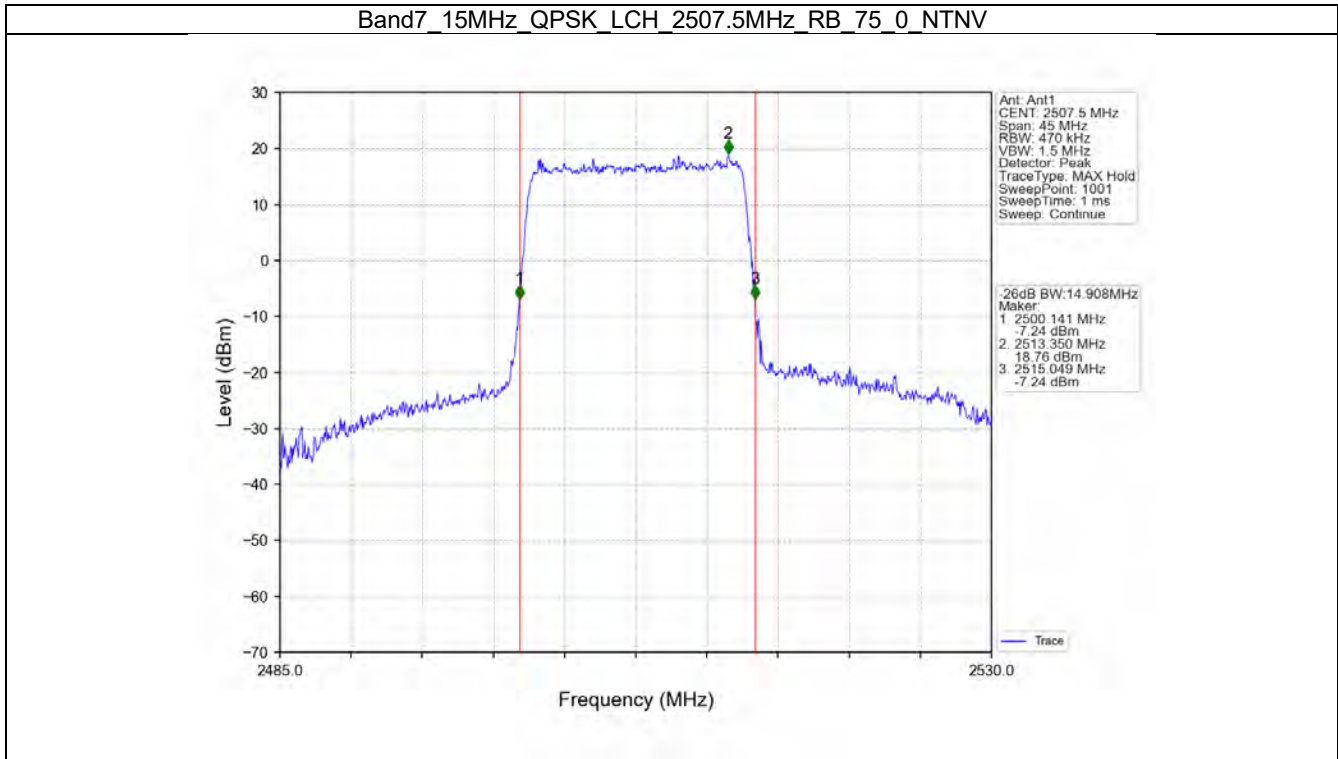


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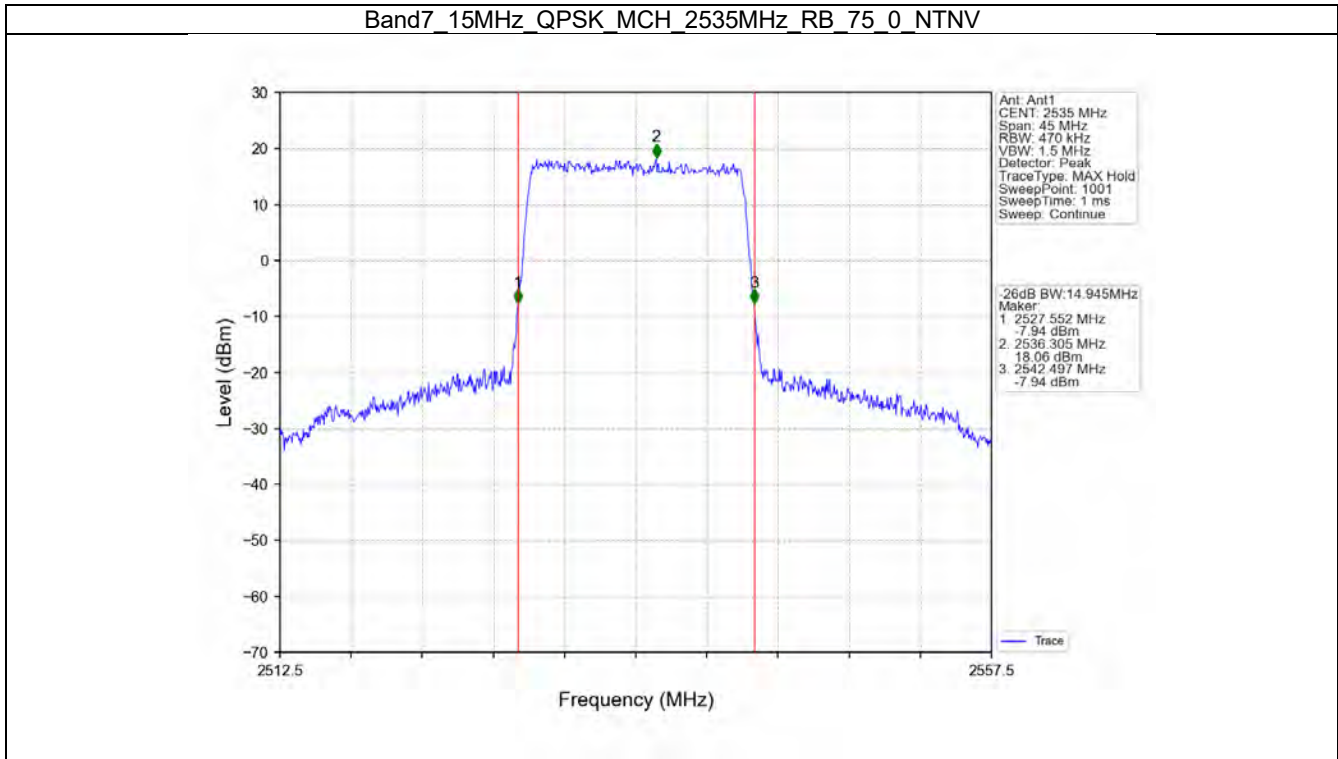


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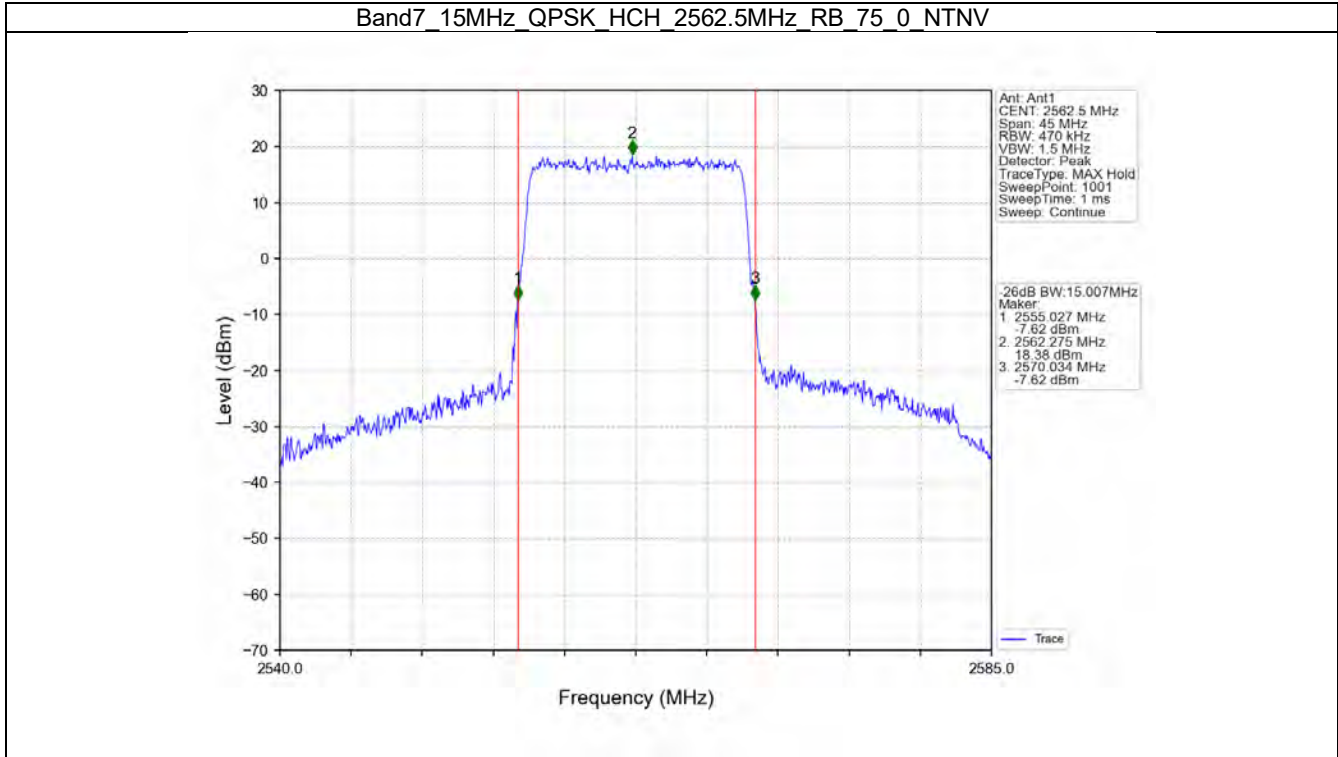


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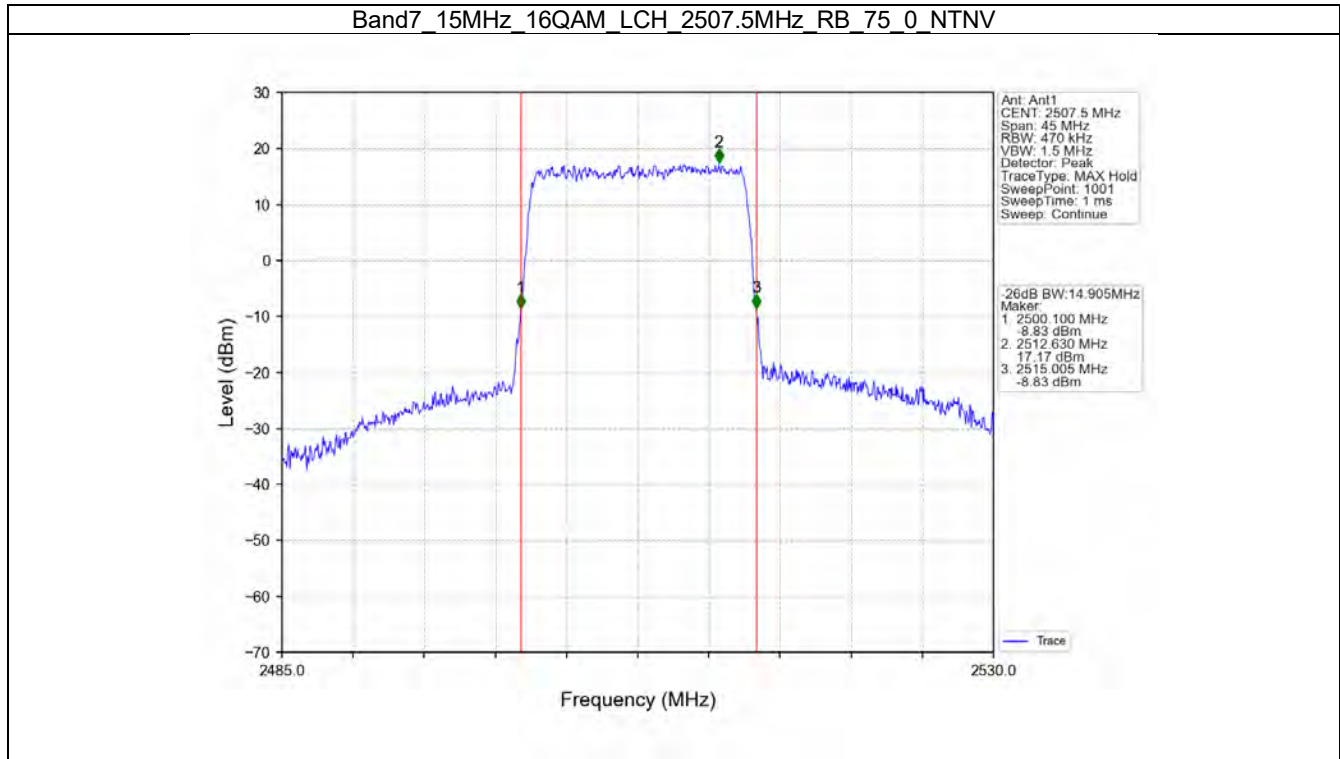


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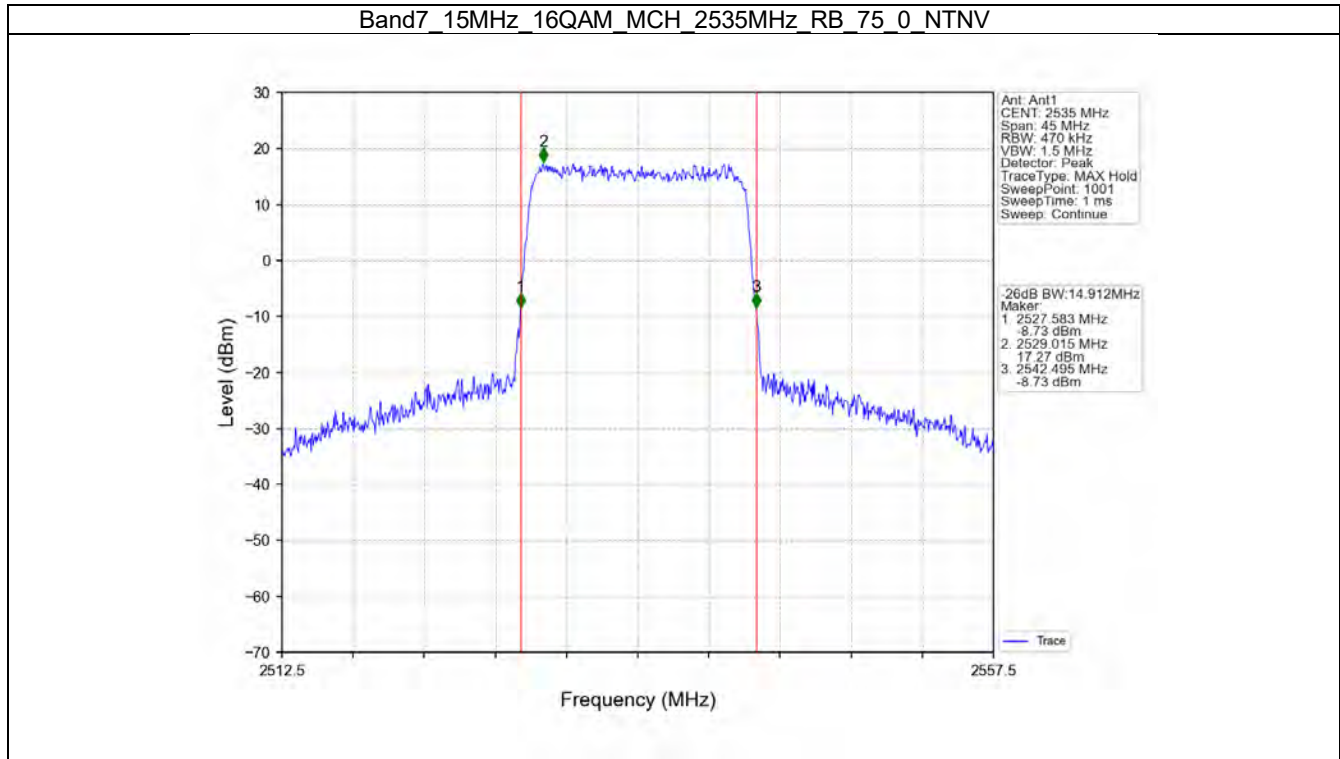


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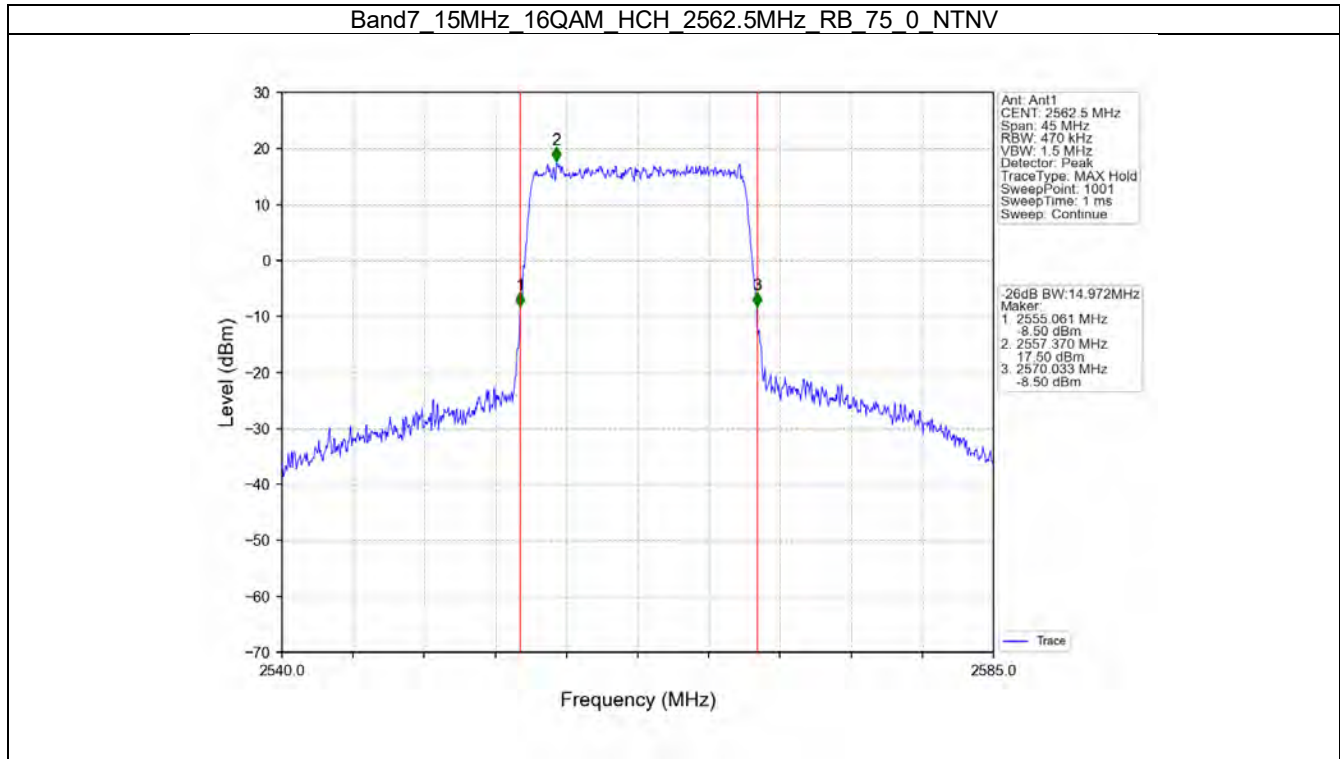


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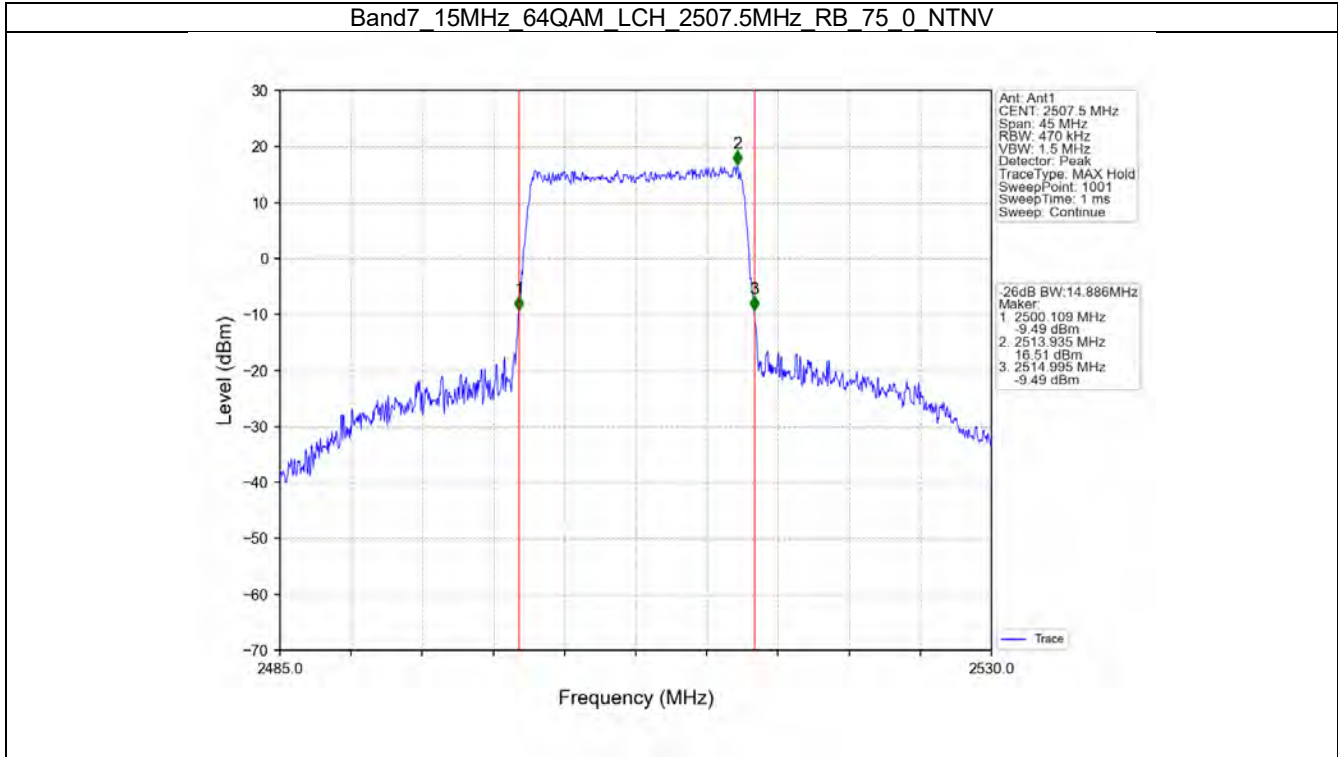


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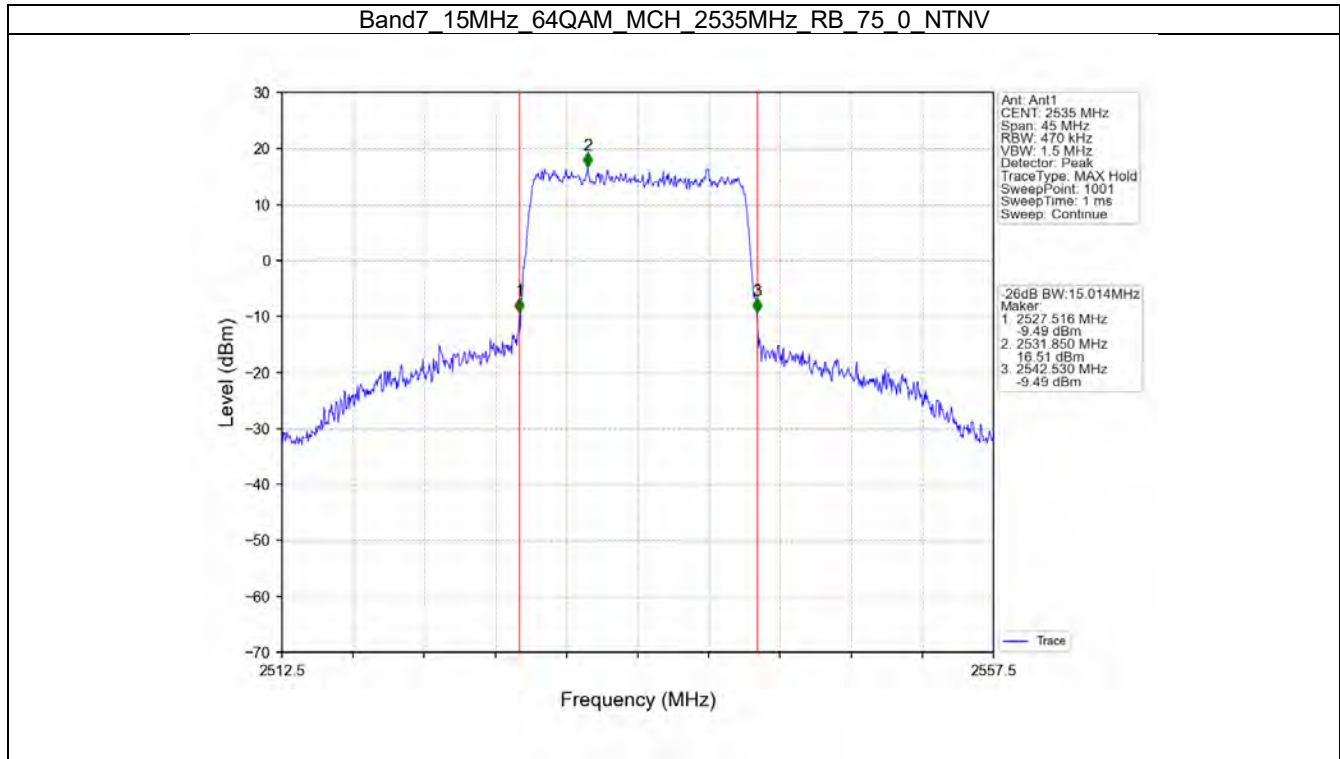


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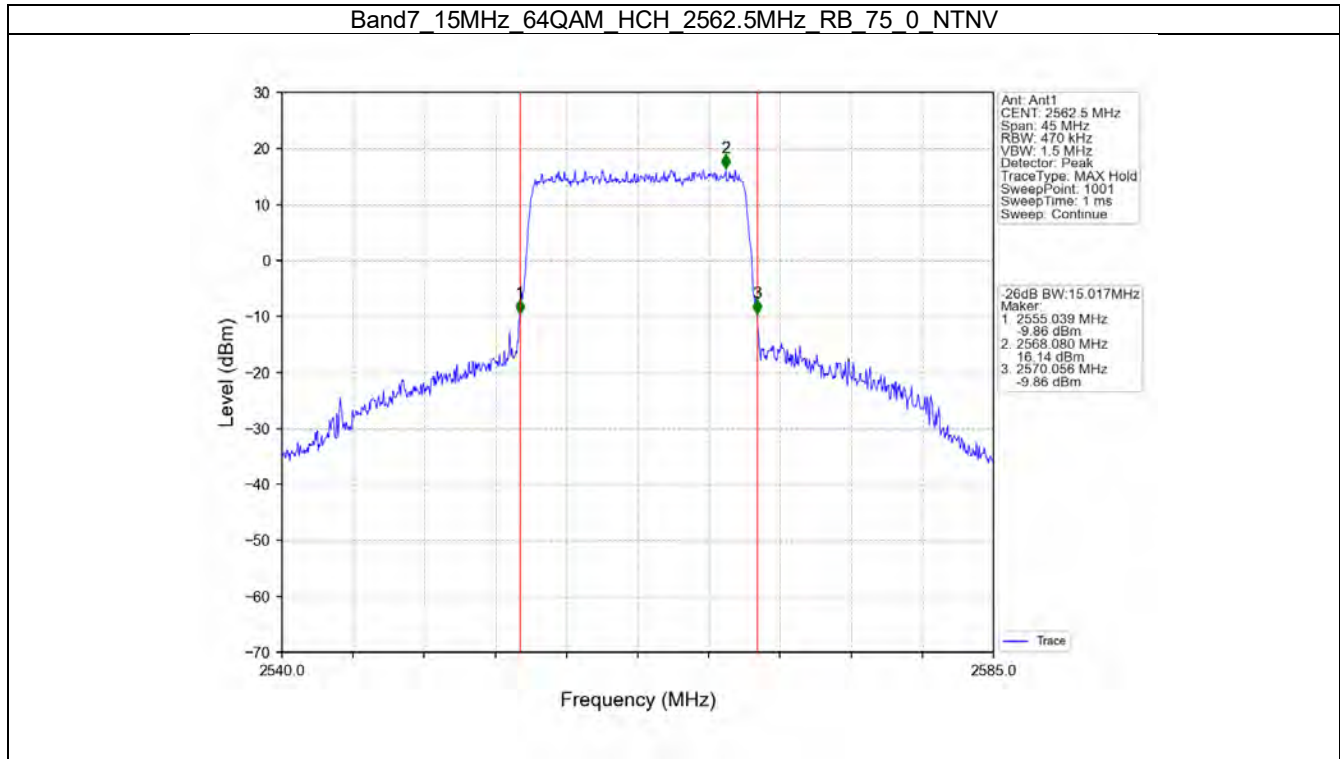


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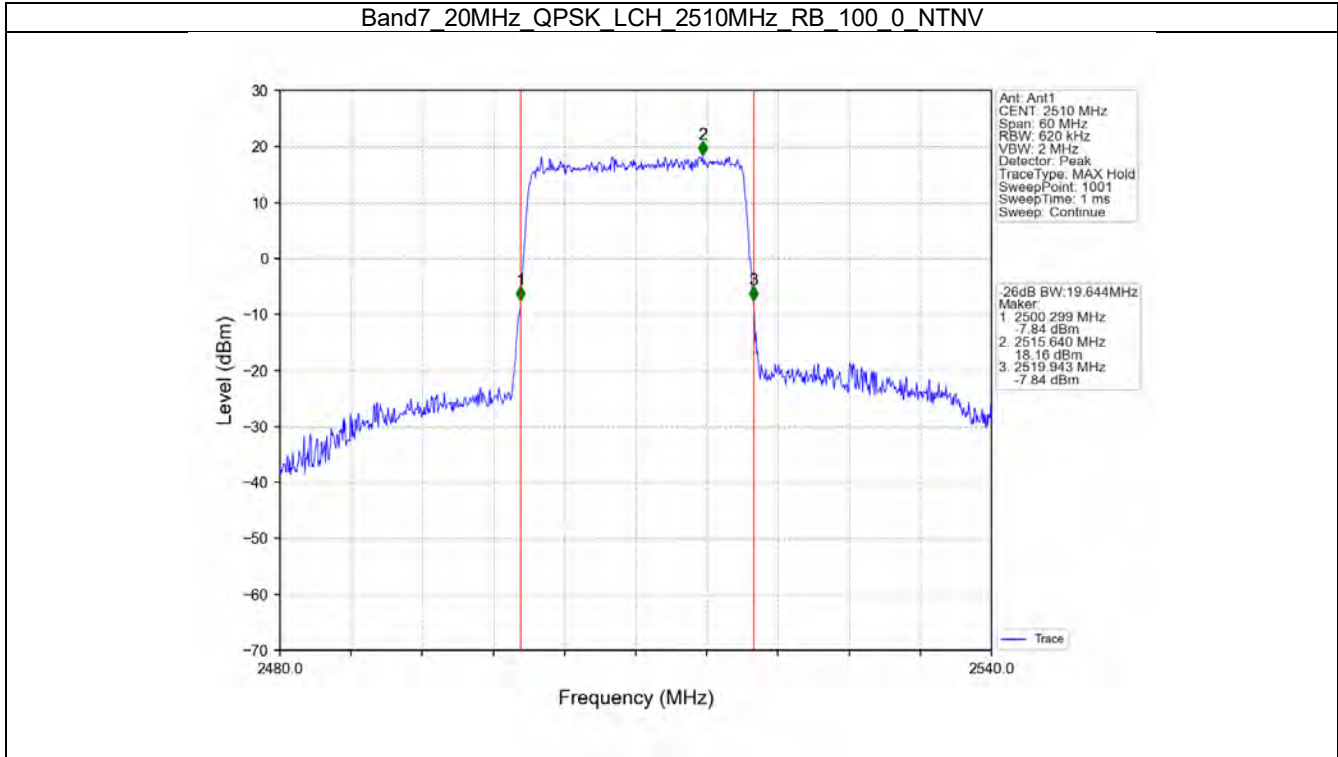


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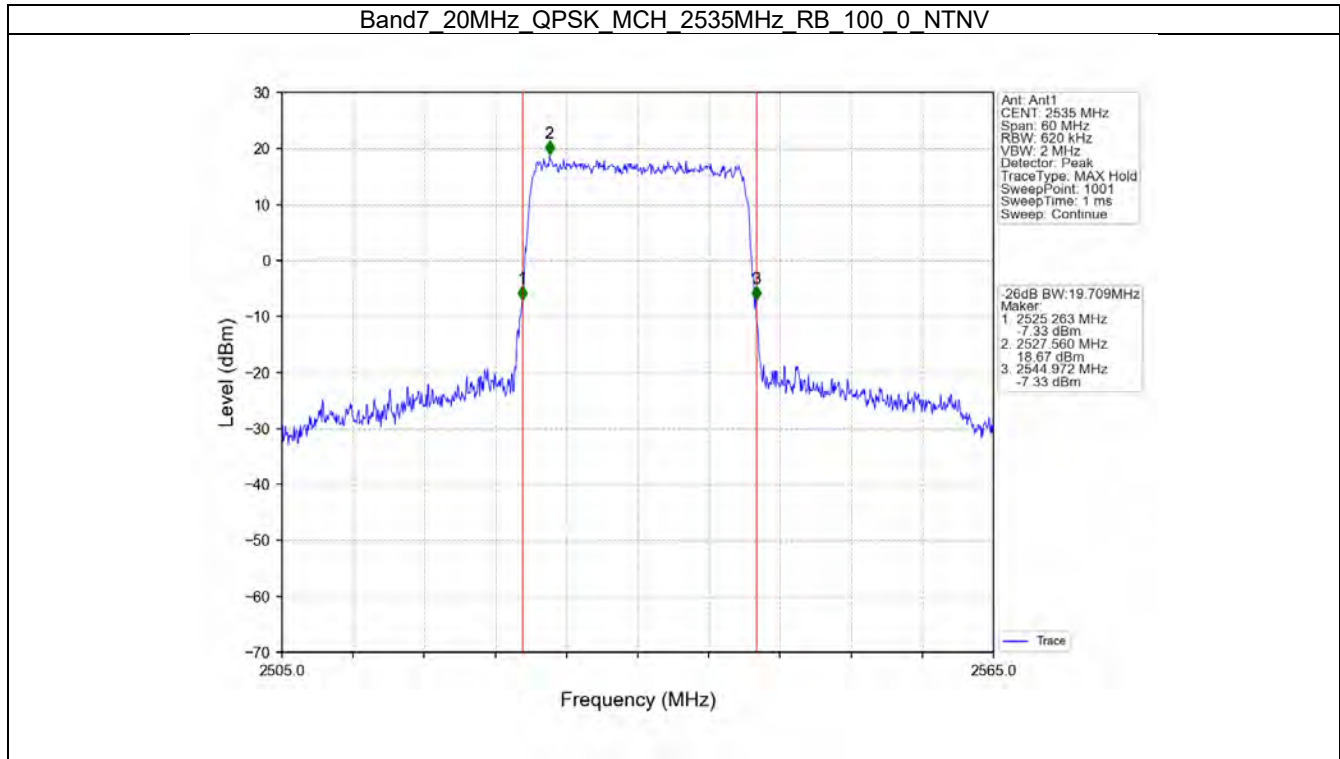


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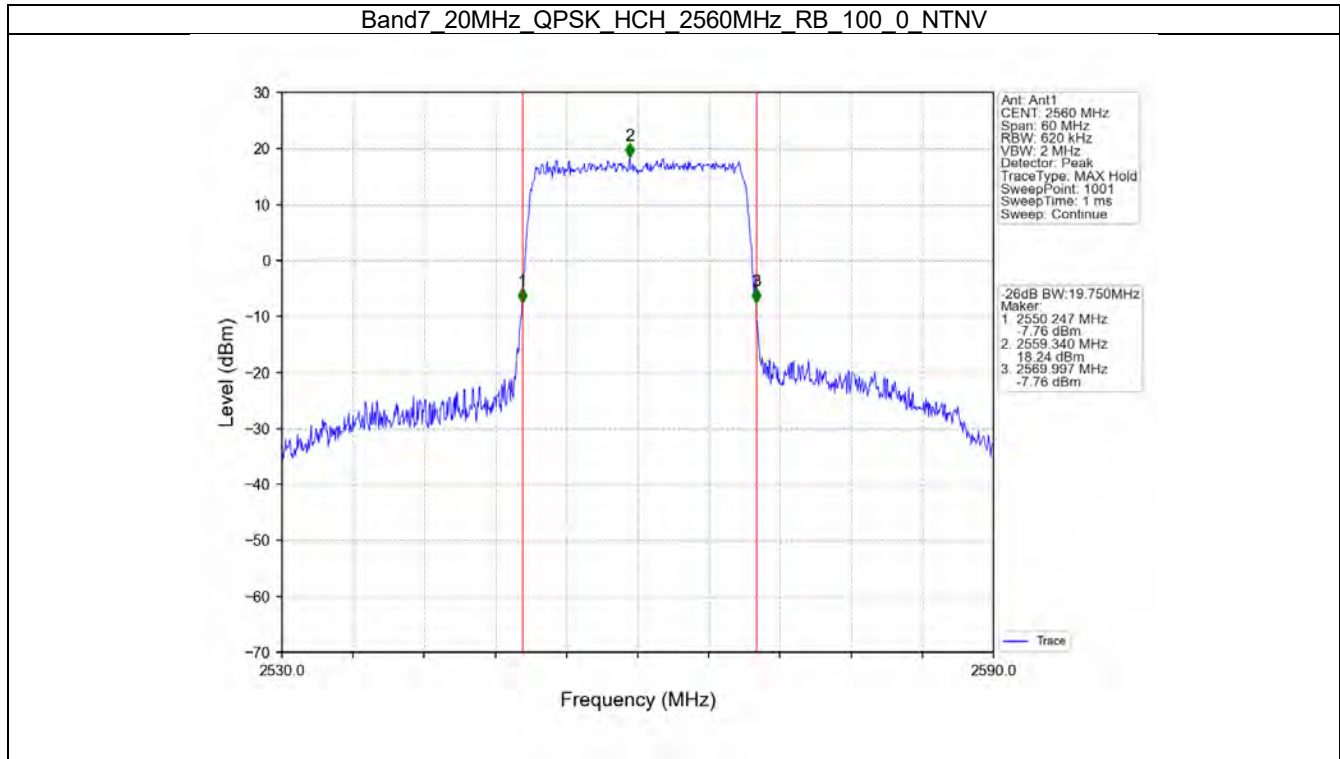


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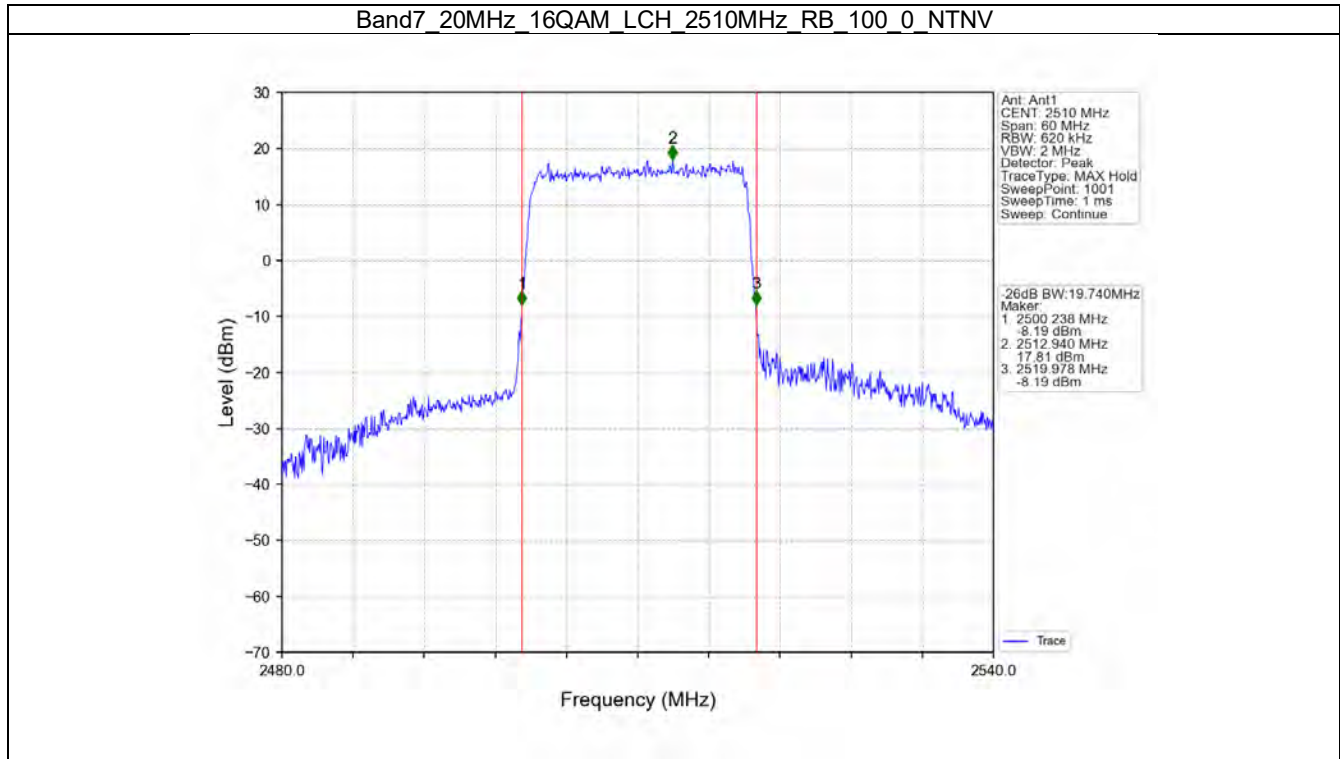


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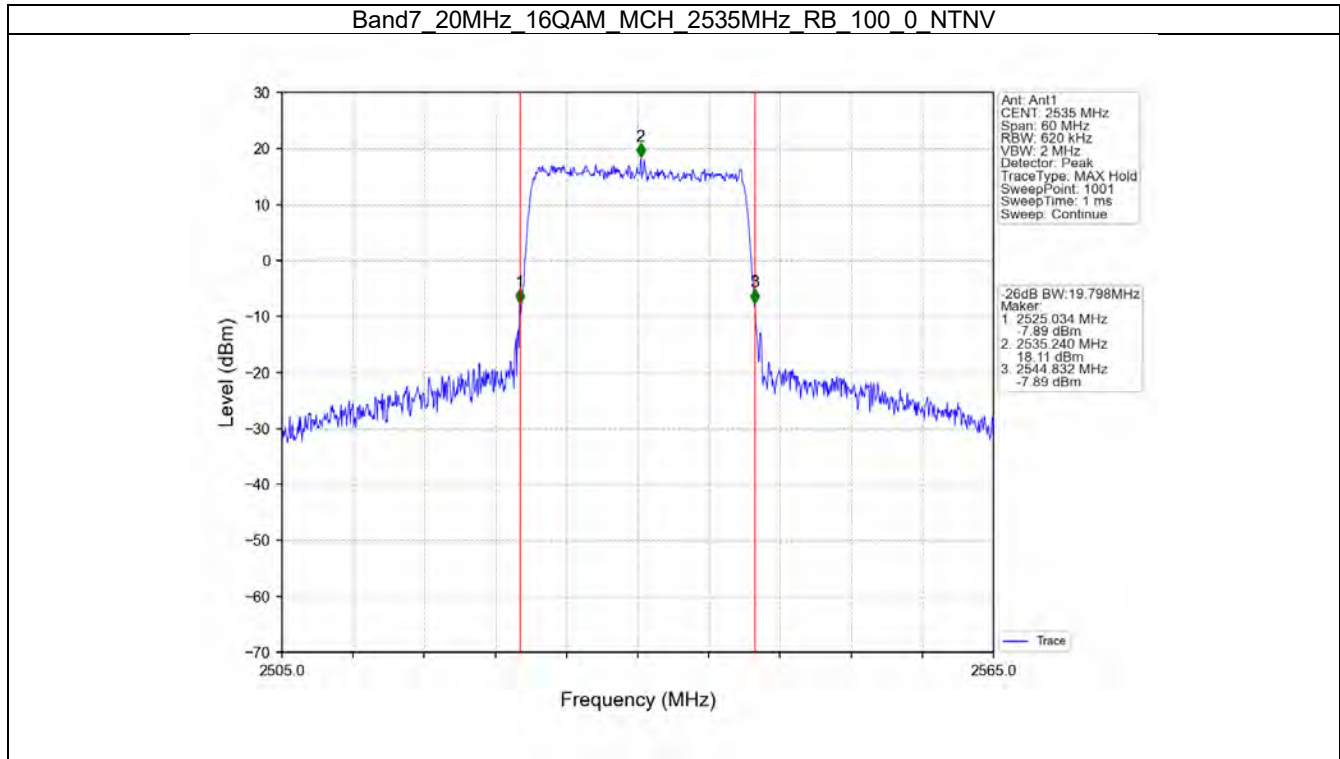


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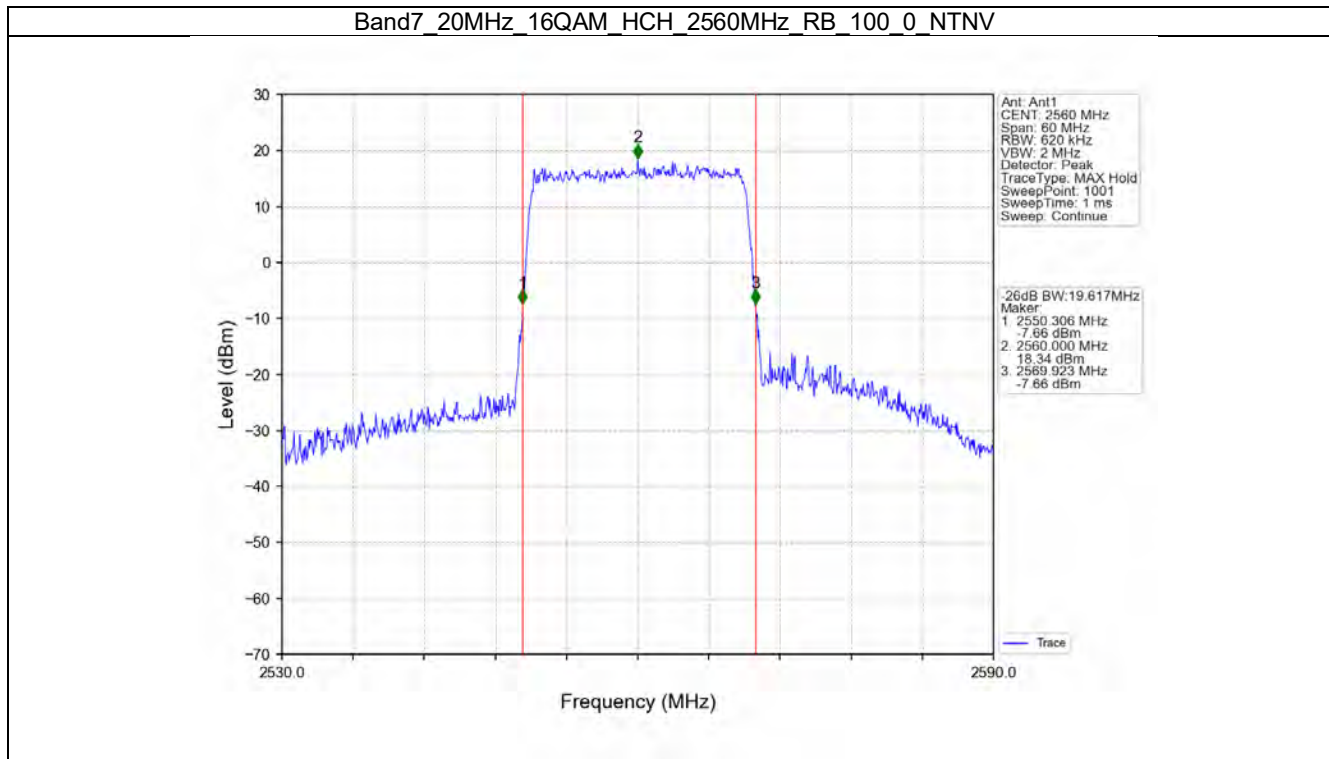
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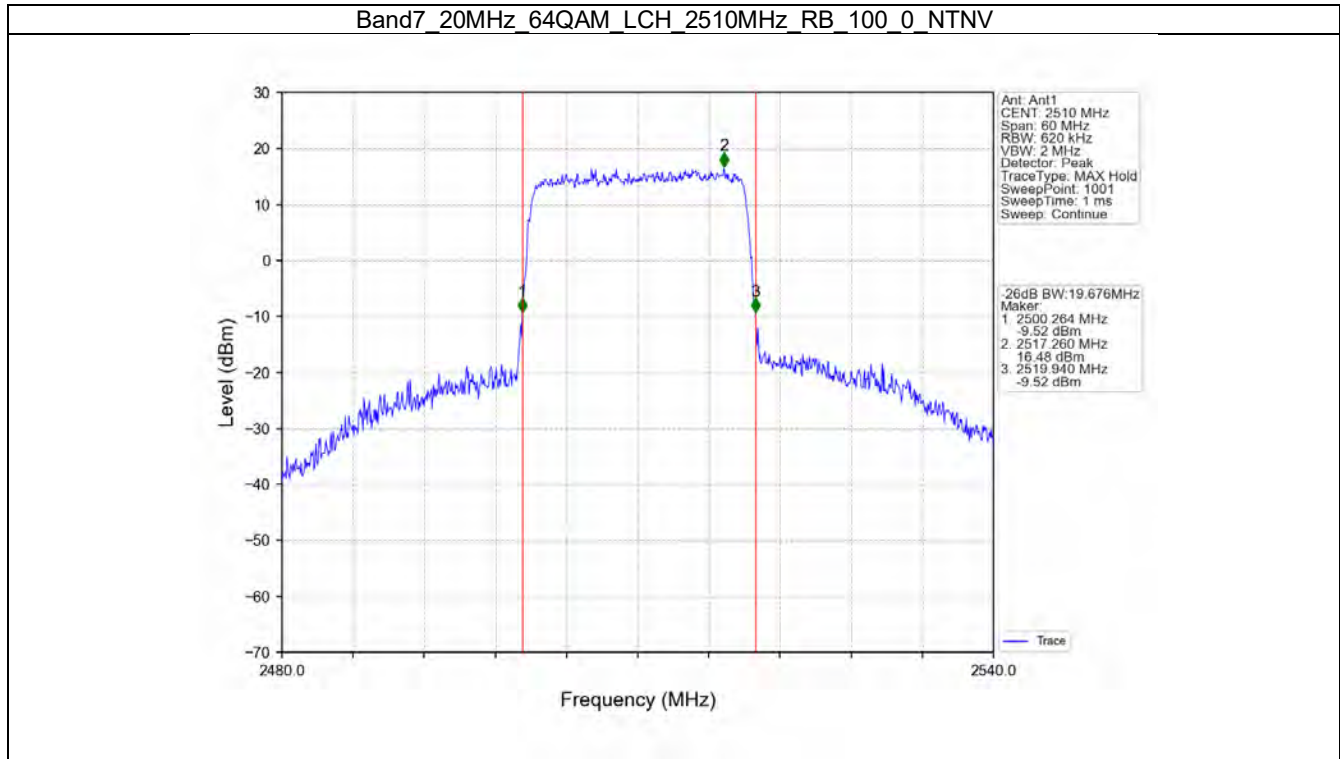


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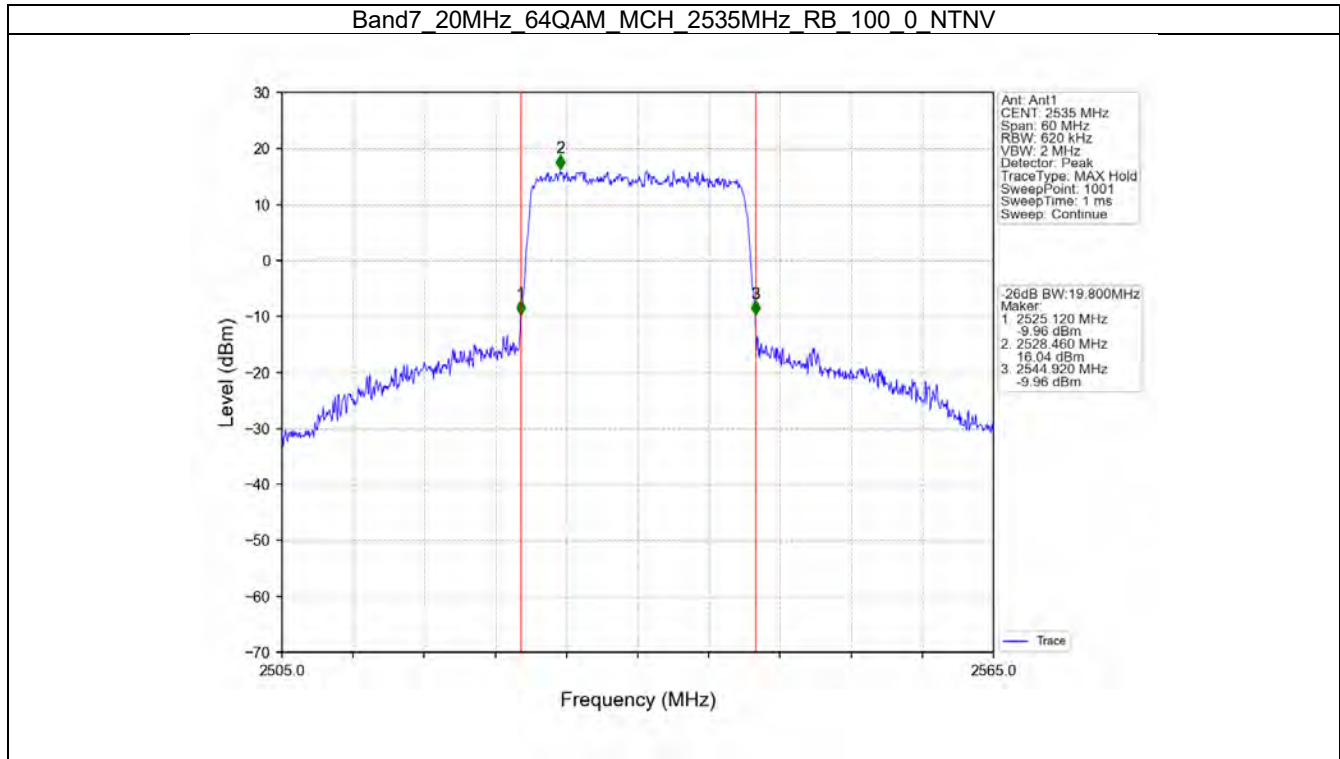


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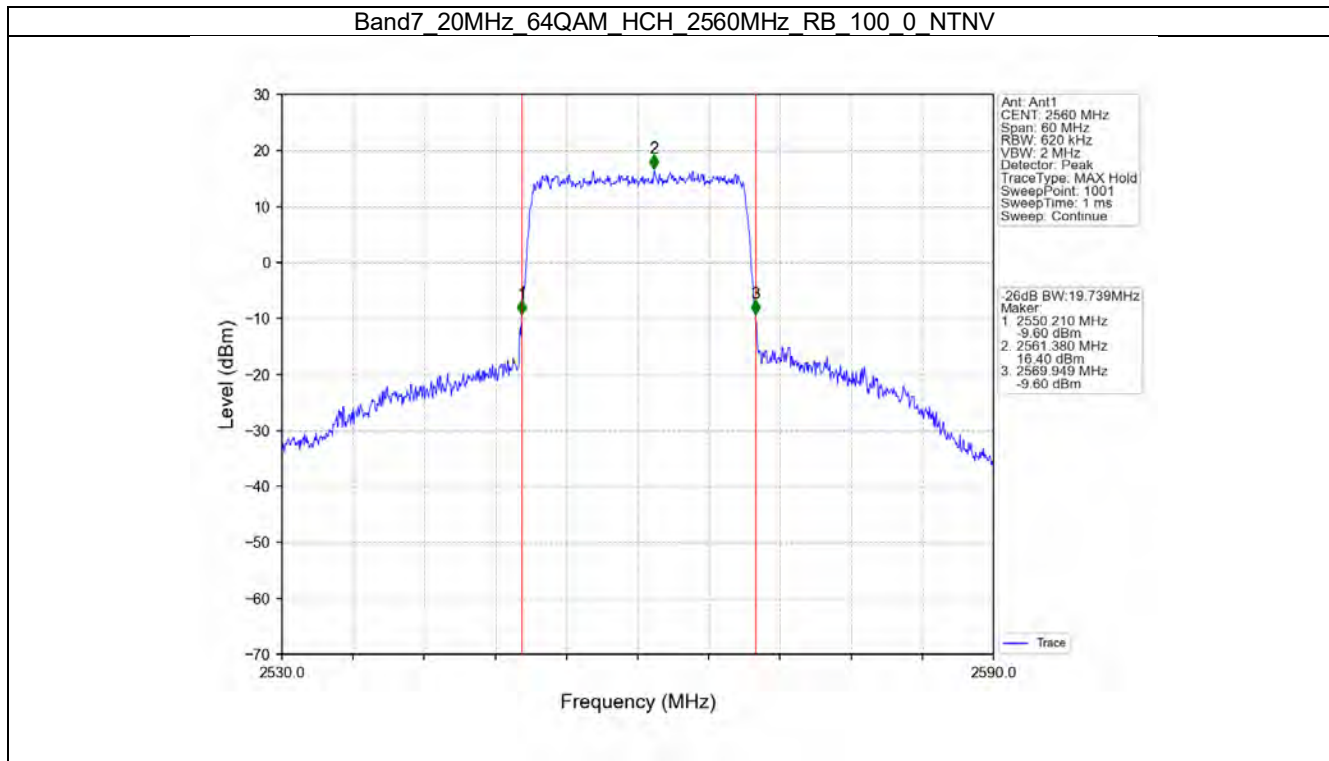
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4. Peak-Average Ratio

4.1 B7_5MHz

4.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.98	<=13	Pass
	2535	25	0	5.55	<=13	Pass
	2567.5	25	0	5.37	<=13	Pass
16QAM	2502.5	25	0	6.66	<=13	Pass
	2535	25	0	6.24	<=13	Pass
	2567.5	25	0	6.08	<=13	Pass
64QAM	2502.5	25	0	6.29	<=13	Pass
	2535	25	0	5.91	<=13	Pass
	2567.5	25	0	5.78	<=13	Pass



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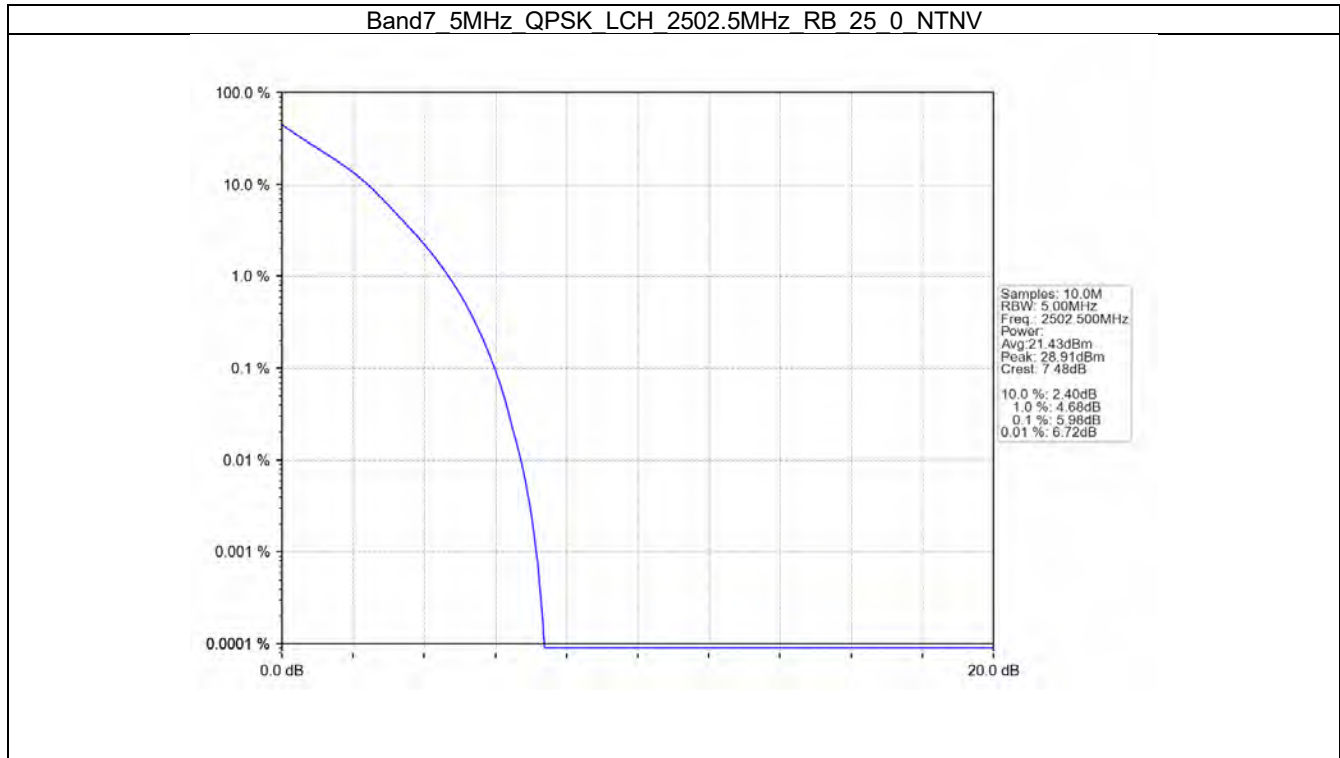
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4.1.2 Test Graph



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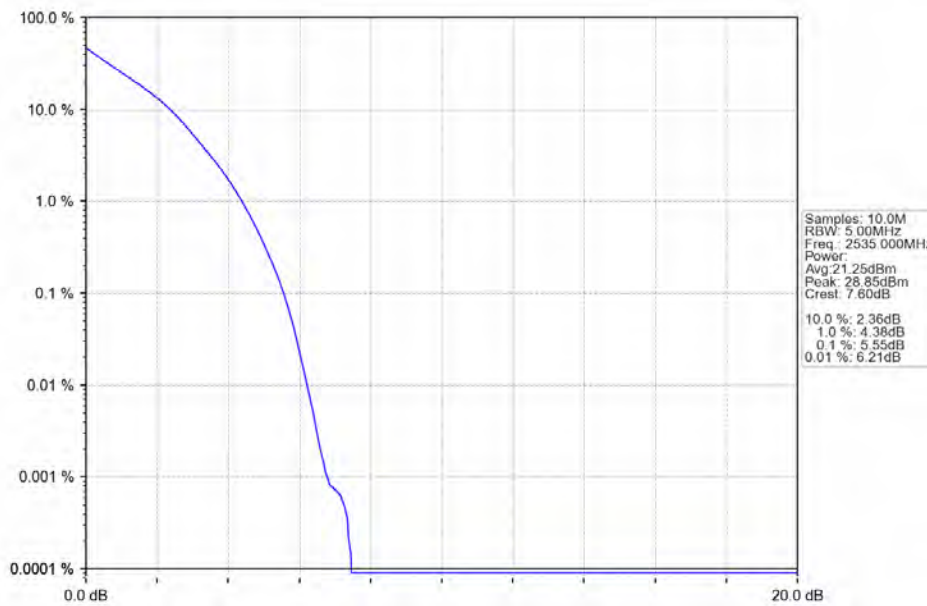
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Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



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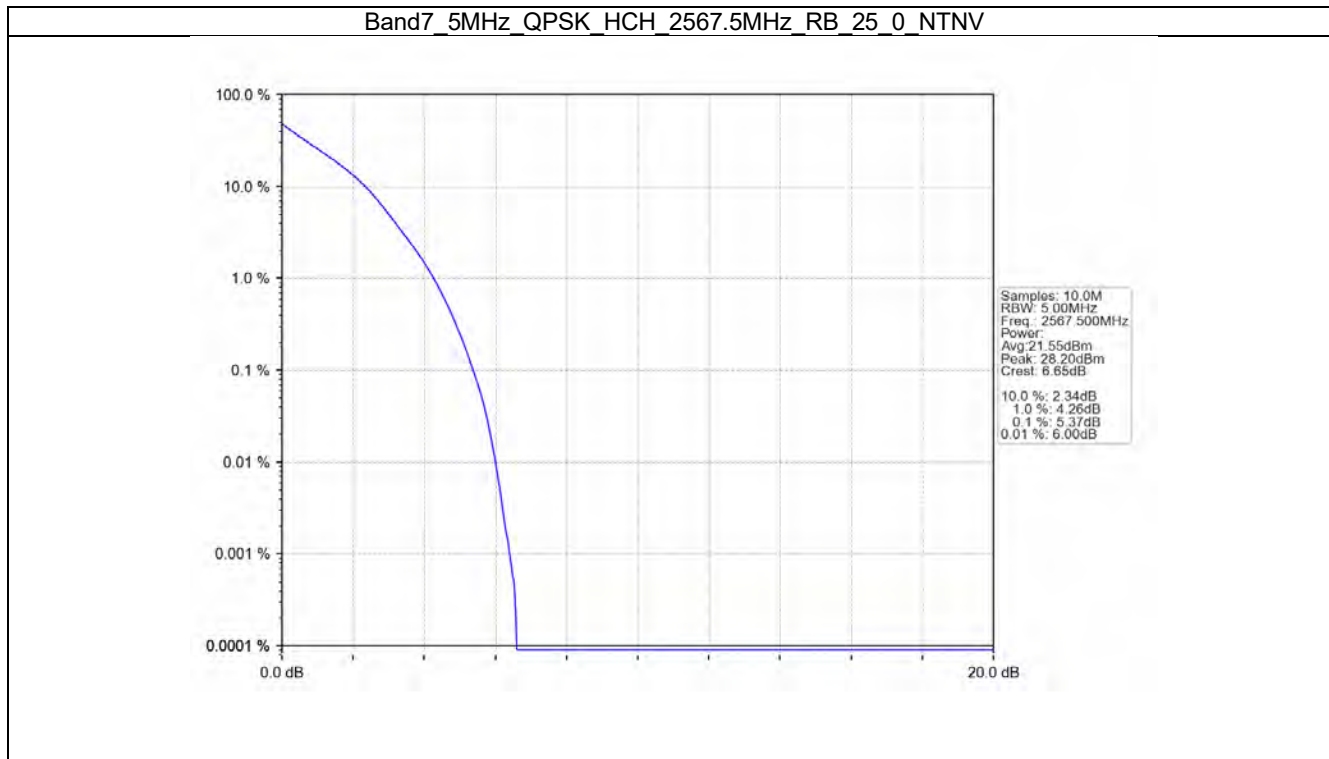
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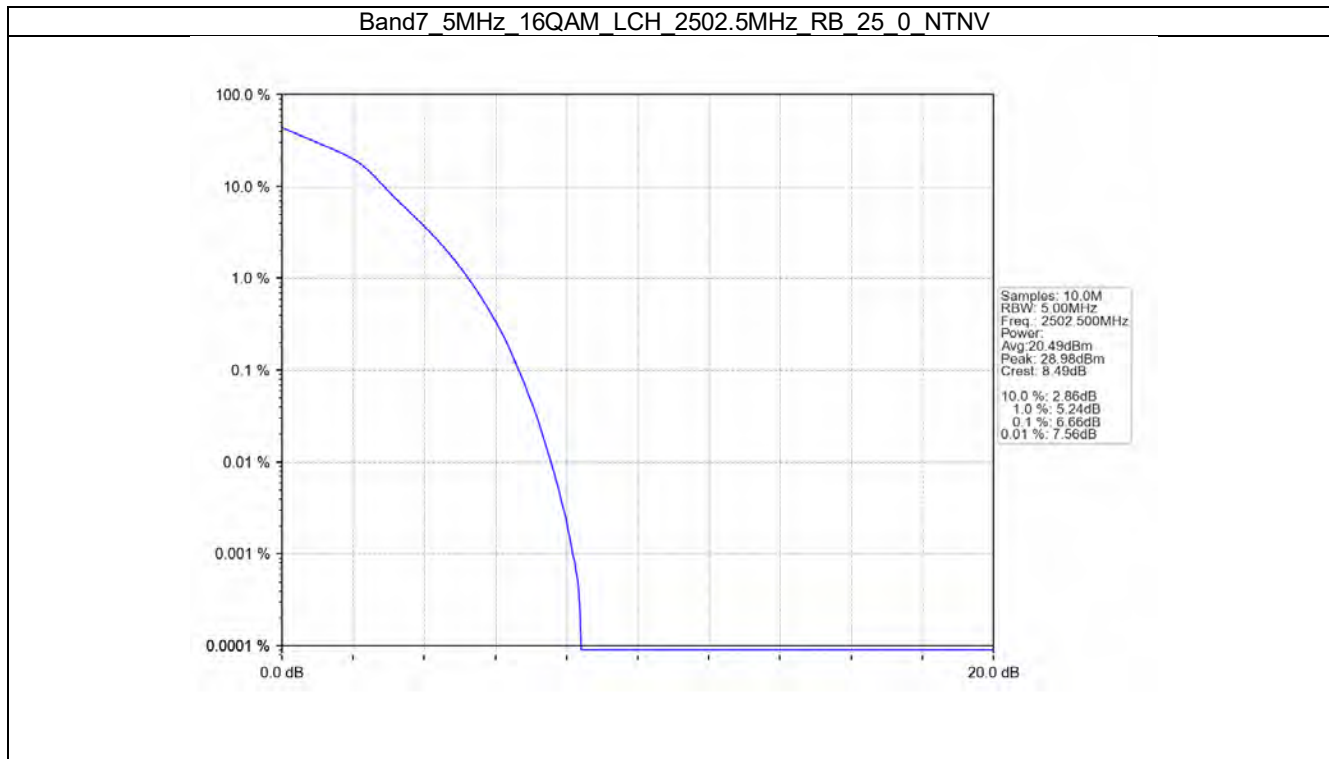
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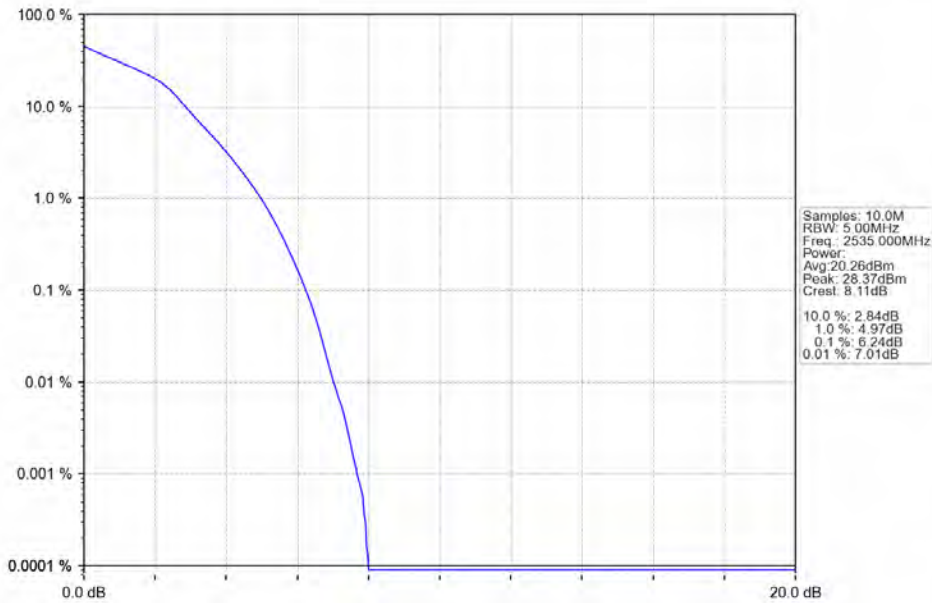
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Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



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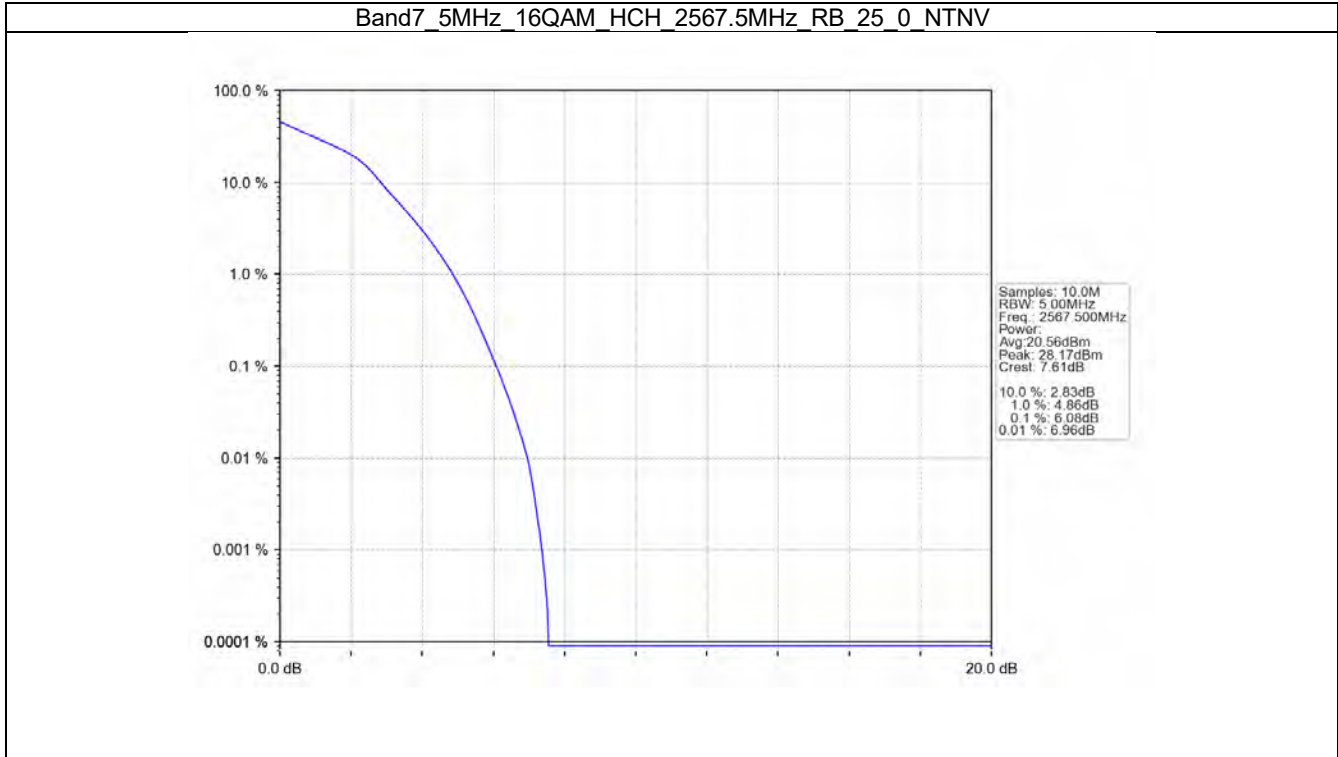


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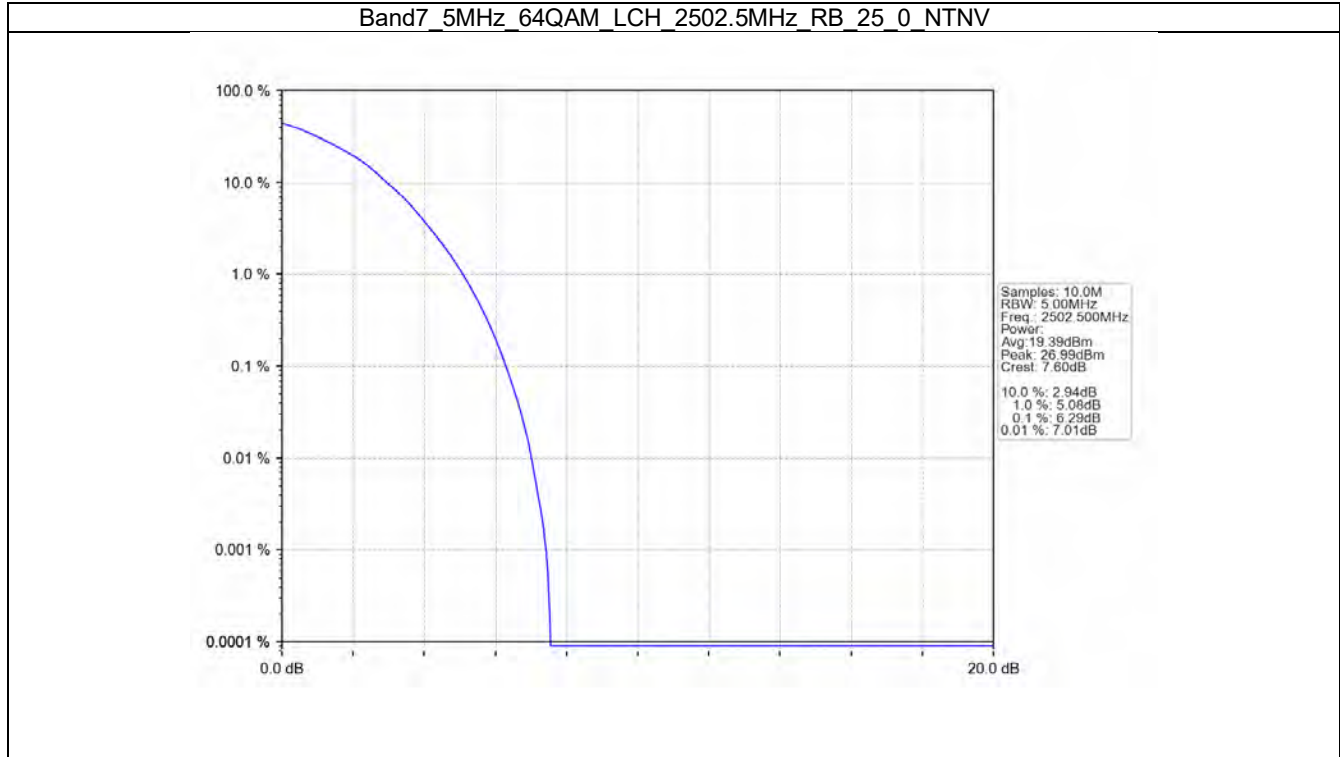


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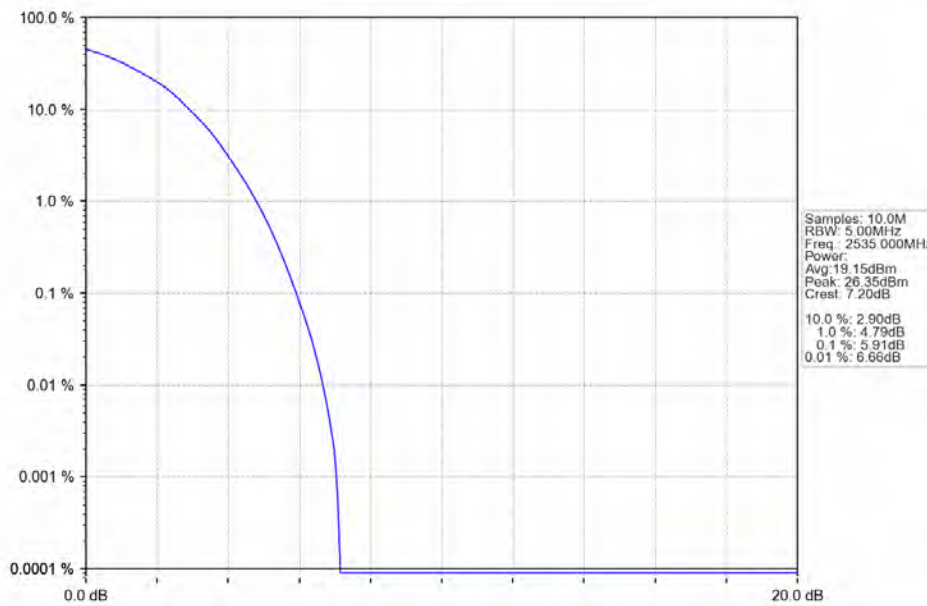
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Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV



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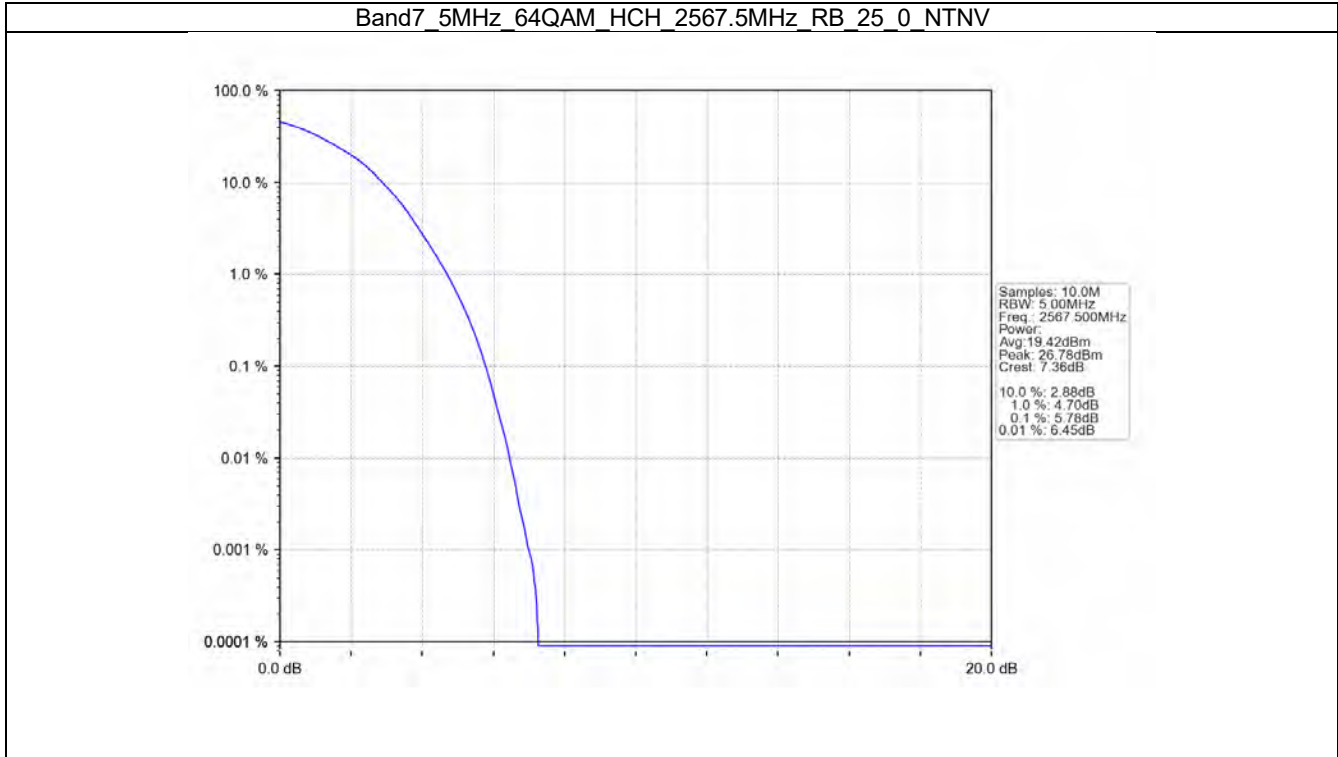


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4.2 B7_10MHz

4.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	5.96	<=13	Pass
	2535	50	0	5.50	<=13	Pass
	2565	50	0	5.50	<=13	Pass
16QAM	2505	50	0	6.68	<=13	Pass
	2535	50	0	10.14	<=13	Pass
	2565	50	0	6.21	<=13	Pass
64QAM	2505	50	0	6.33	<=13	Pass
	2535	50	0	5.94	<=13	Pass
	2565	50	0	5.90	<=13	Pass



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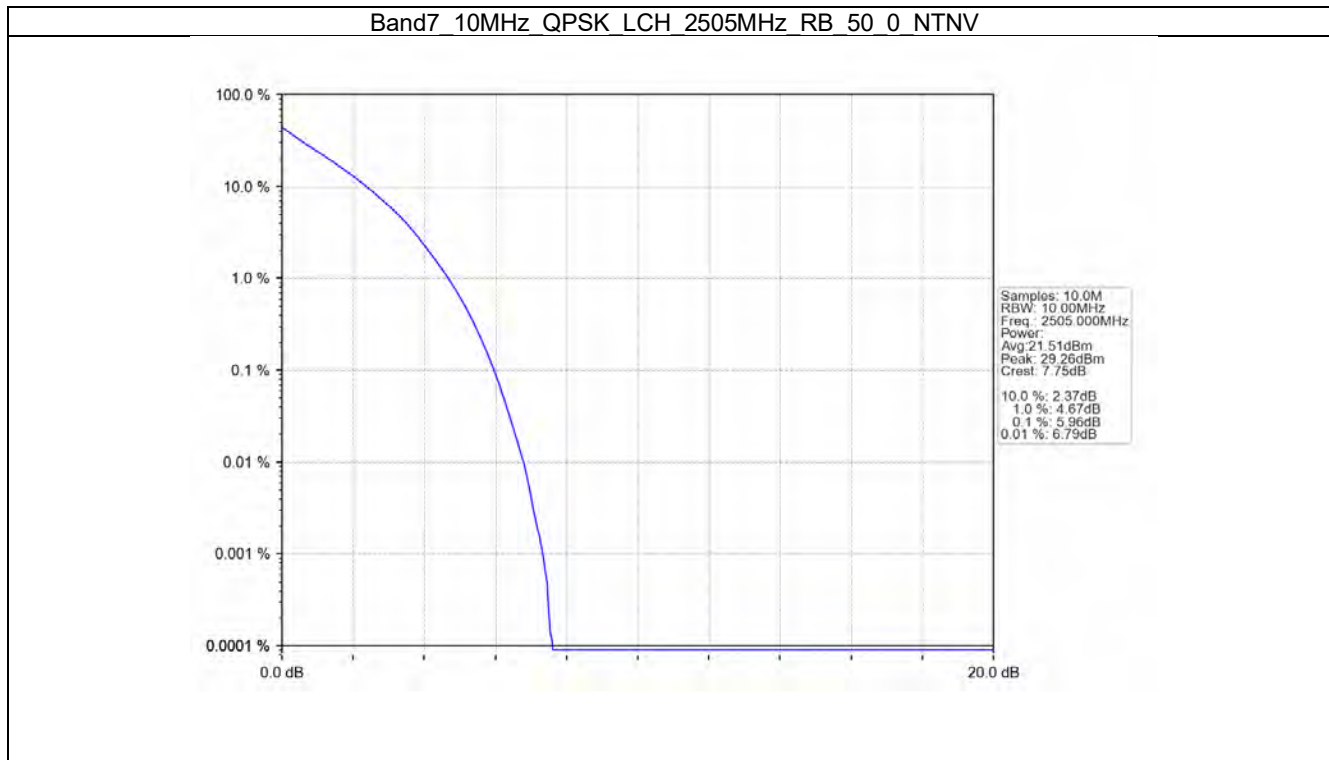
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4.2.2 Test Graph



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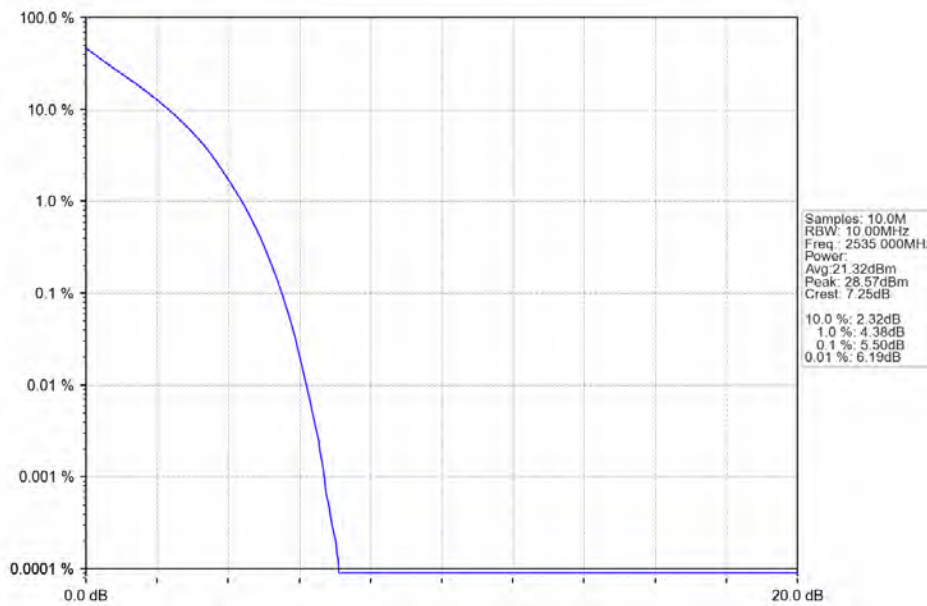
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Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



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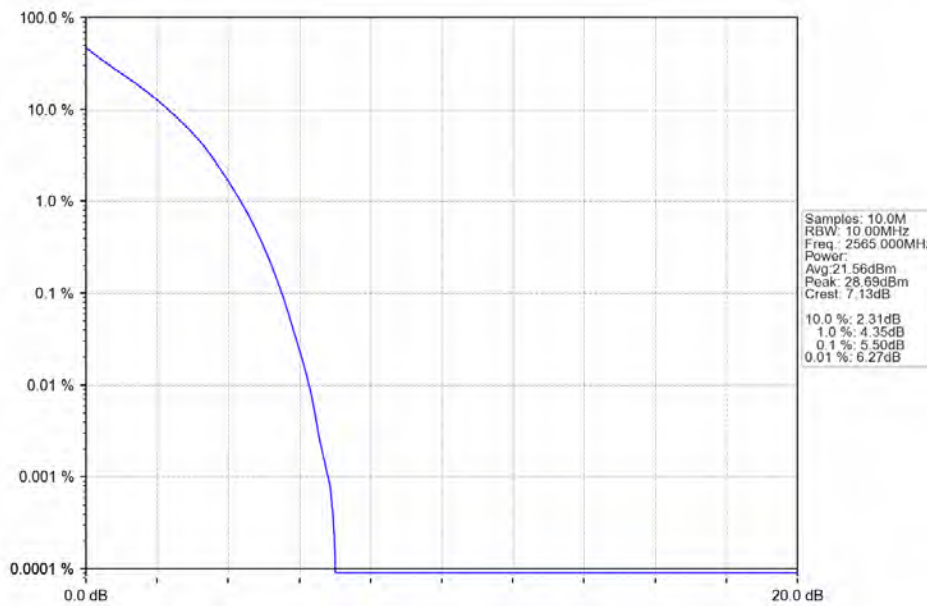
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Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTV



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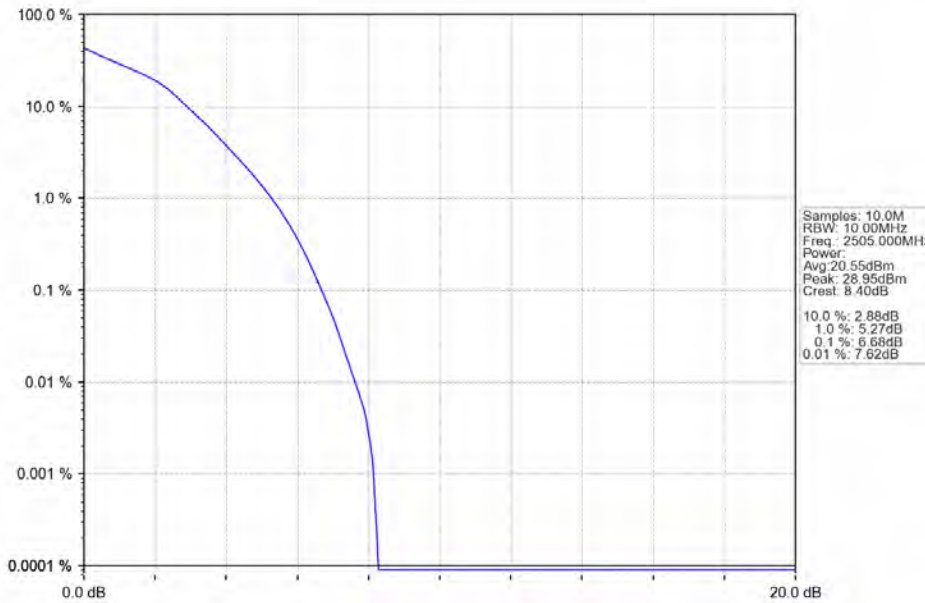
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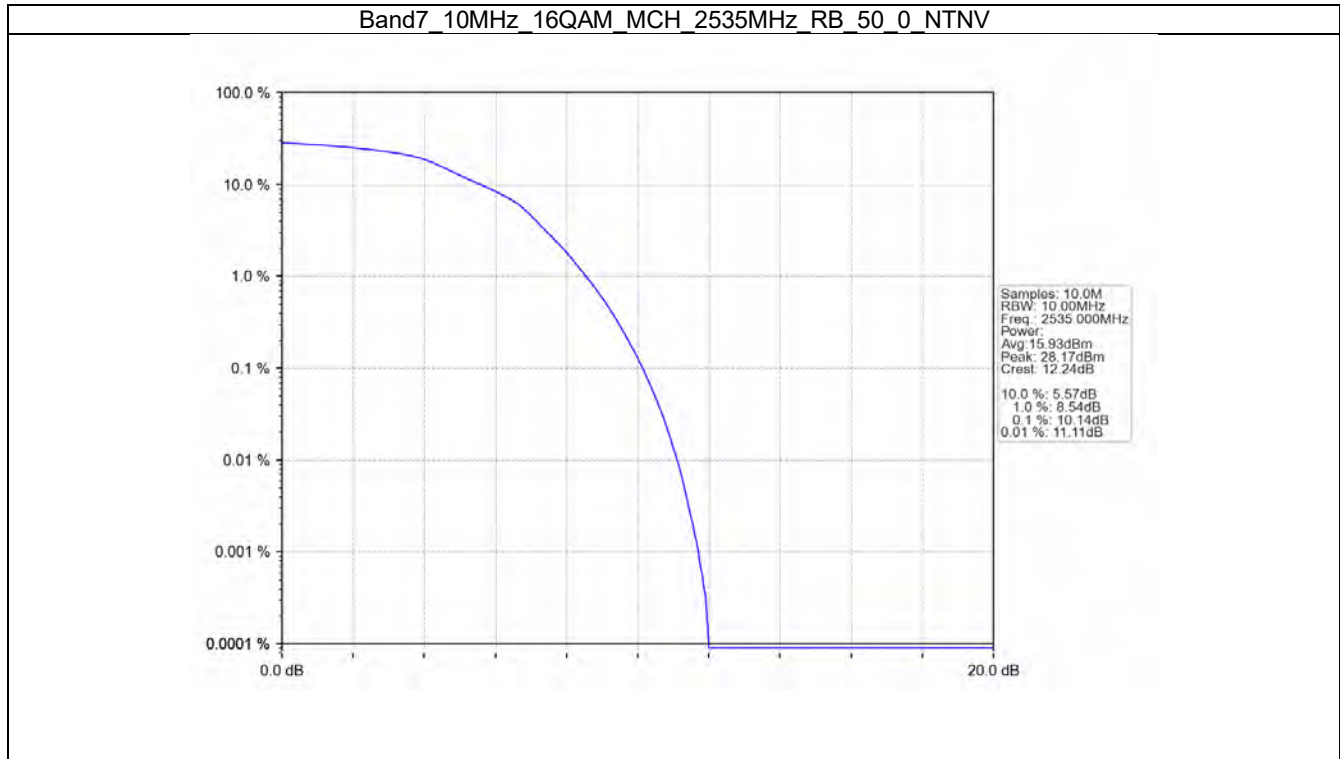


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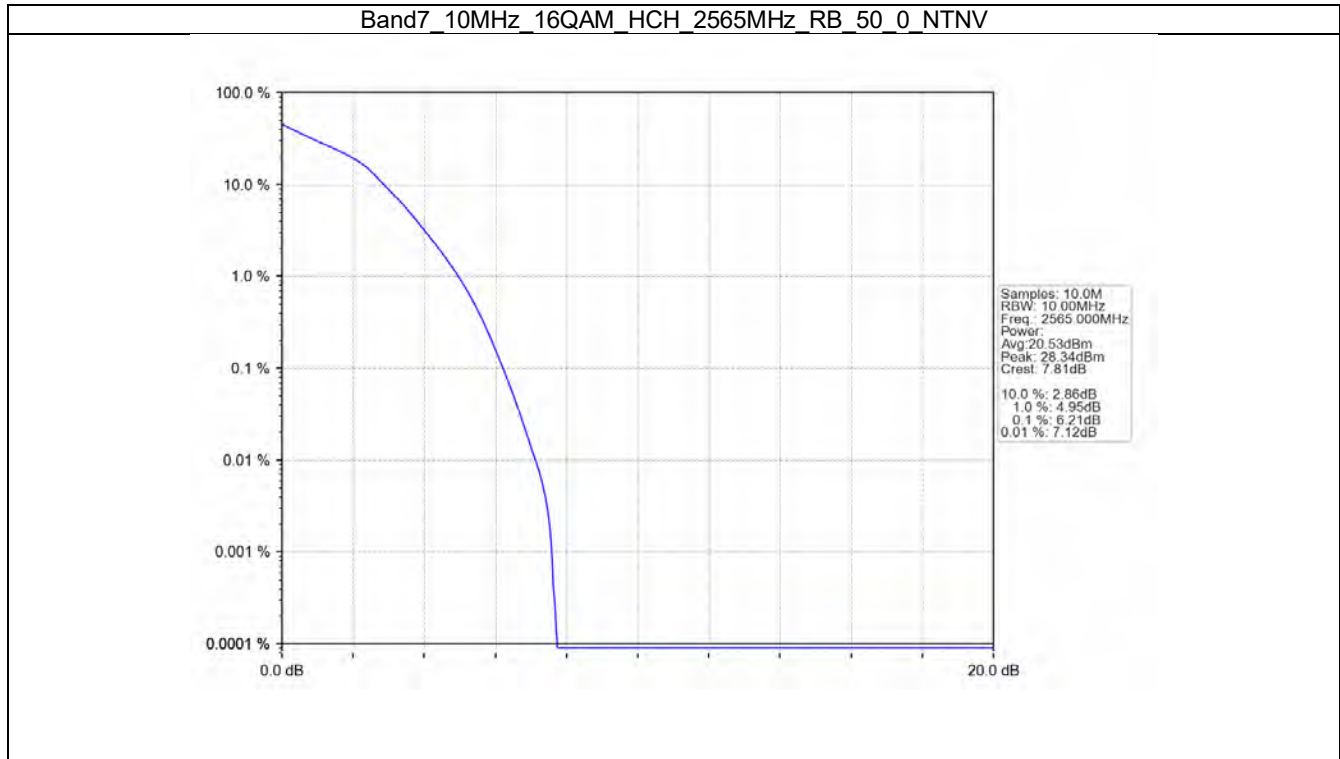


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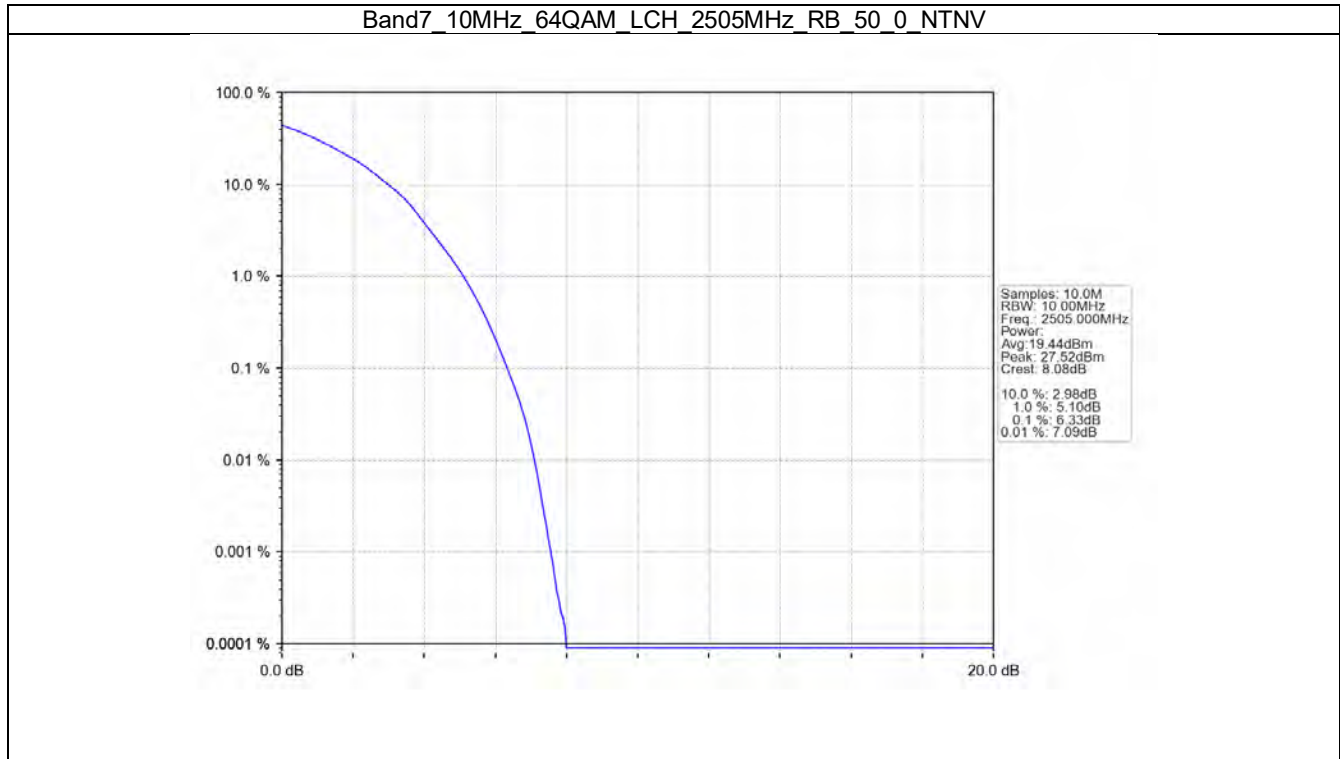
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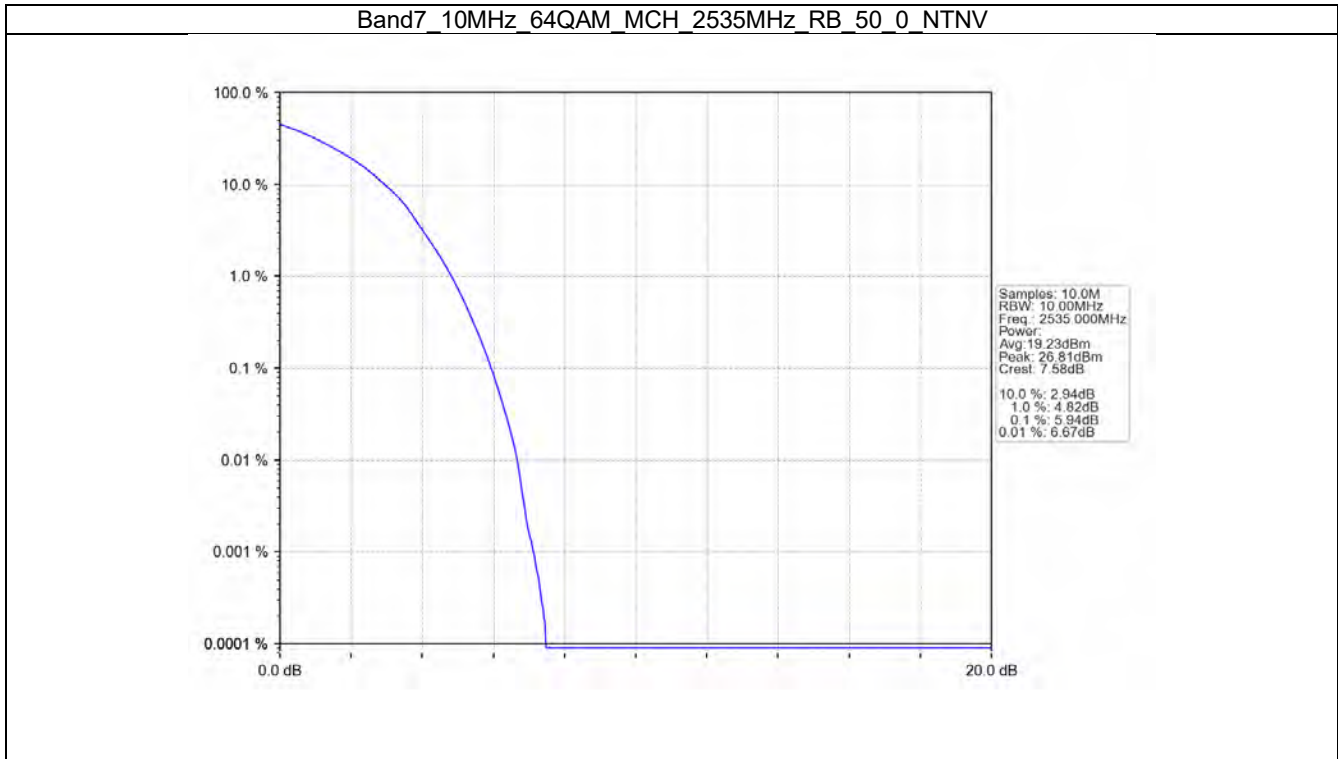


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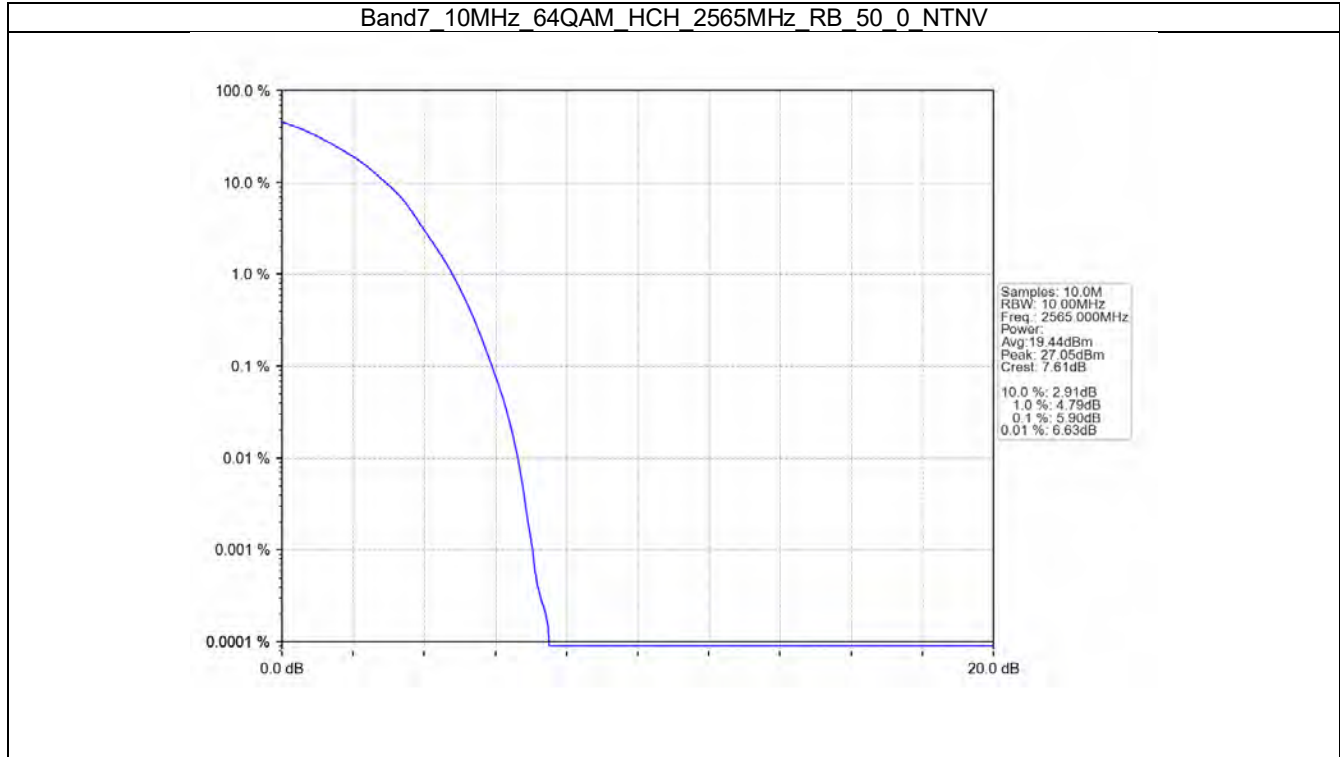
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4.3 B7_15MHz

4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	6.22	<=13	Pass
	2535	75	0	5.84	<=13	Pass
	2562.5	75	0	5.84	<=13	Pass
16QAM	2507.5	75	0	6.70	<=13	Pass
	2535	75	0	6.35	<=13	Pass
	2562.5	75	0	6.34	<=13	Pass
64QAM	2507.5	75	0	6.34	<=13	Pass
	2535	75	0	5.97	<=13	Pass
	2562.5	75	0	6.07	<=13	Pass



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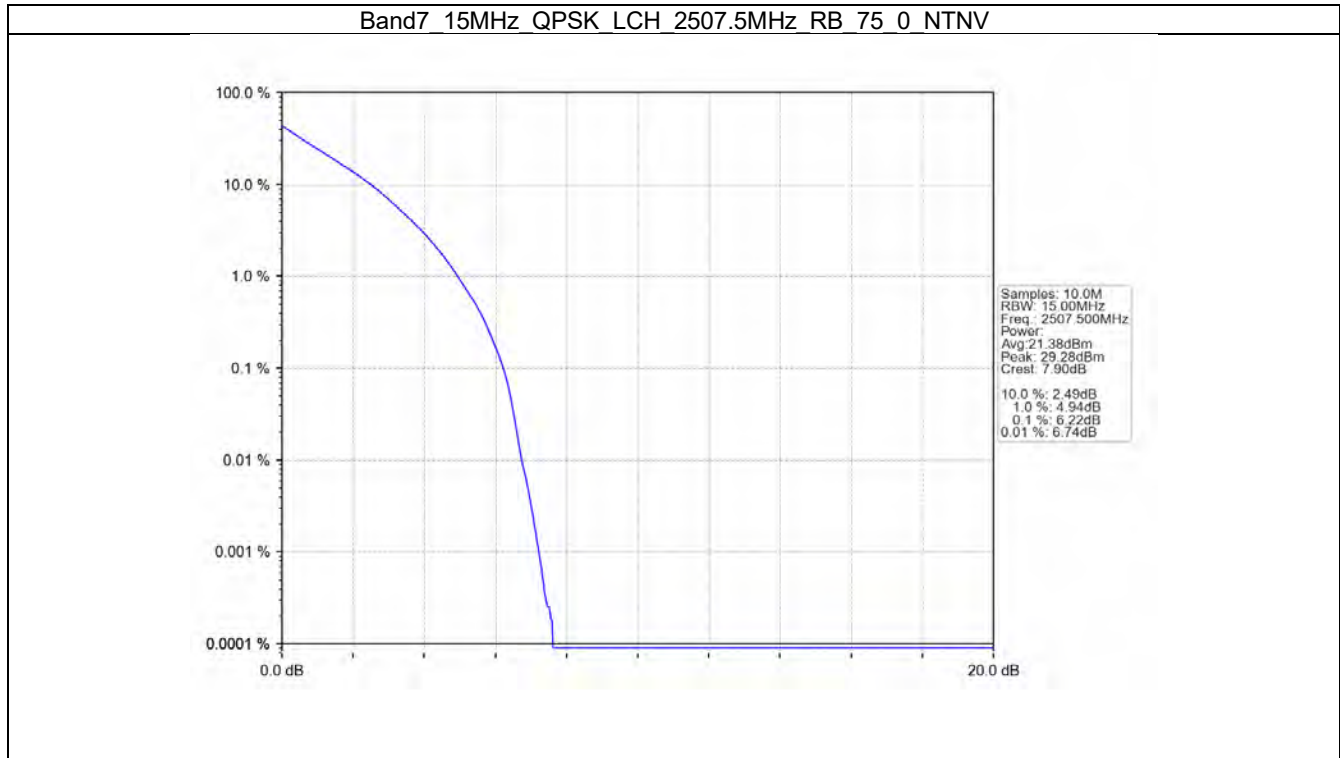


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4.3.2 Test Graph



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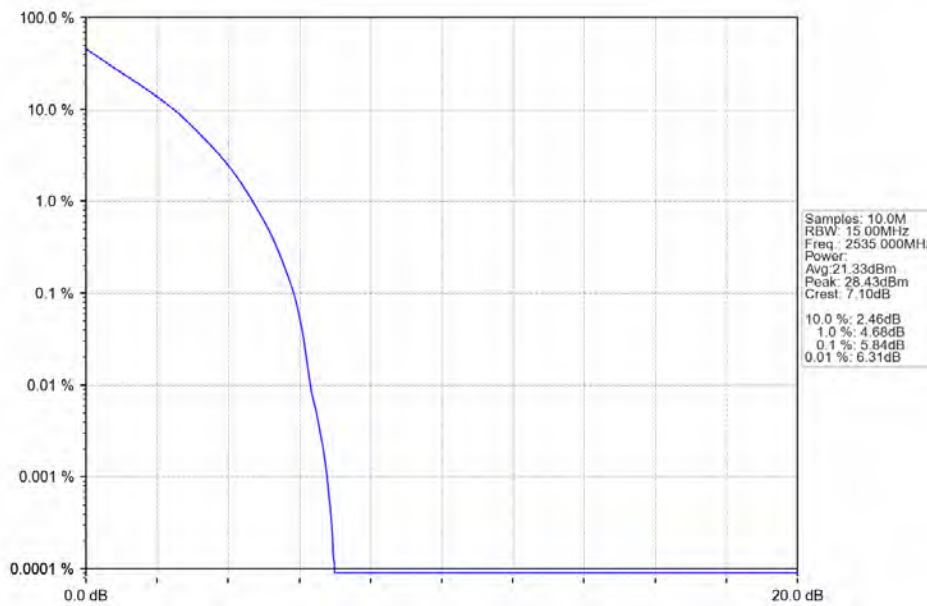
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Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



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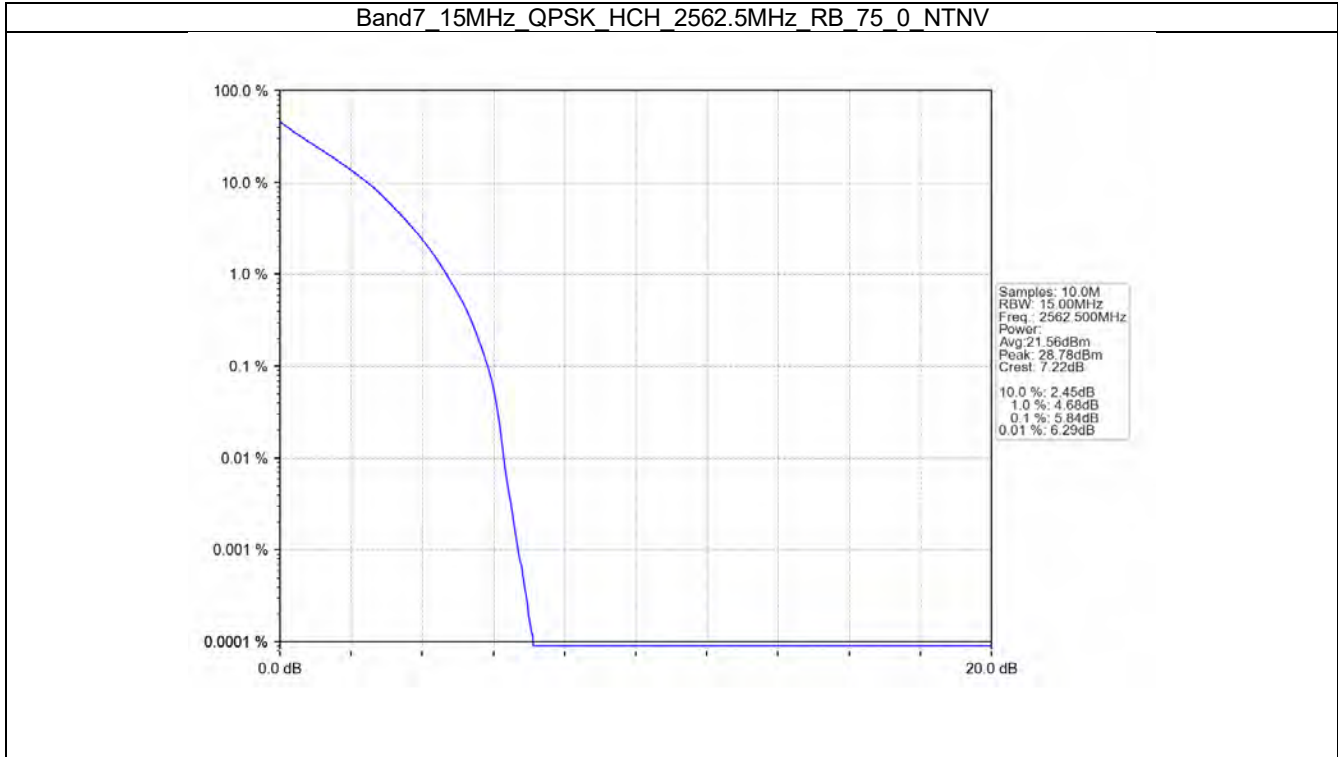


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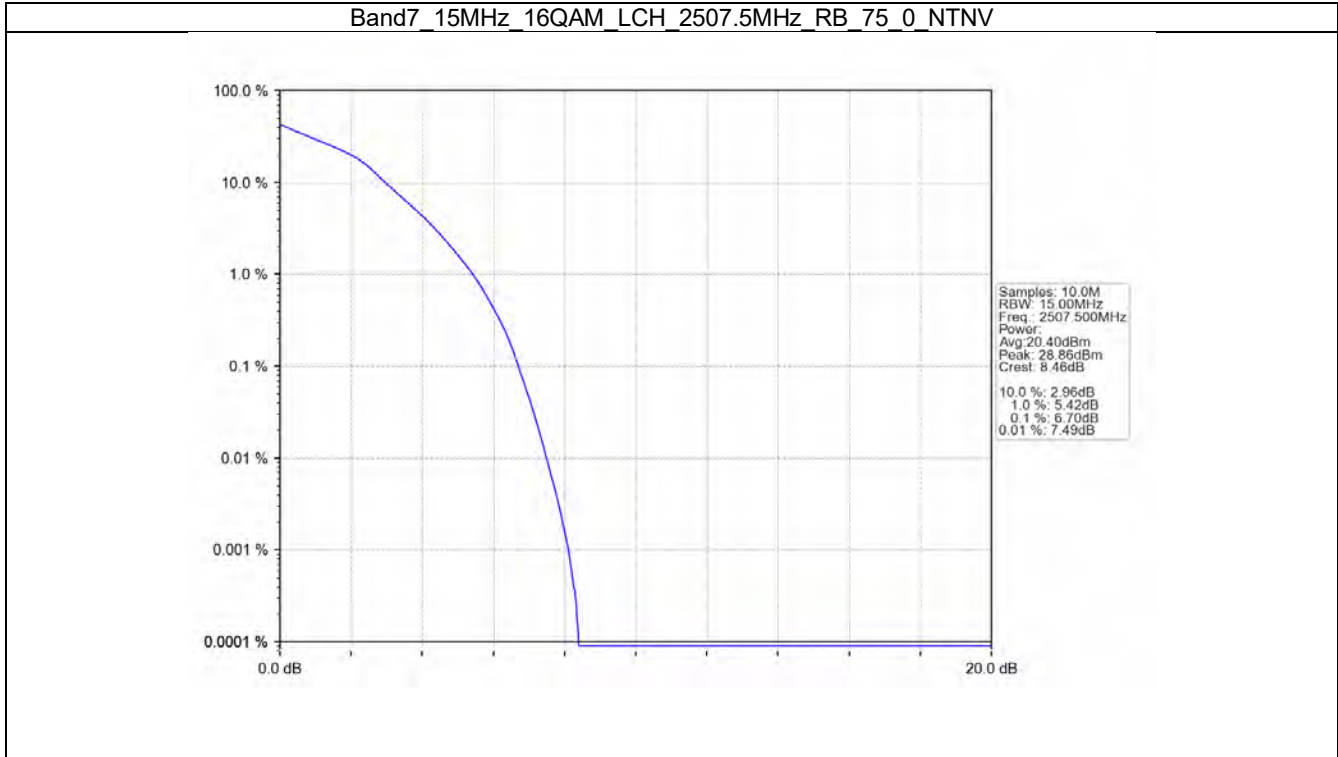


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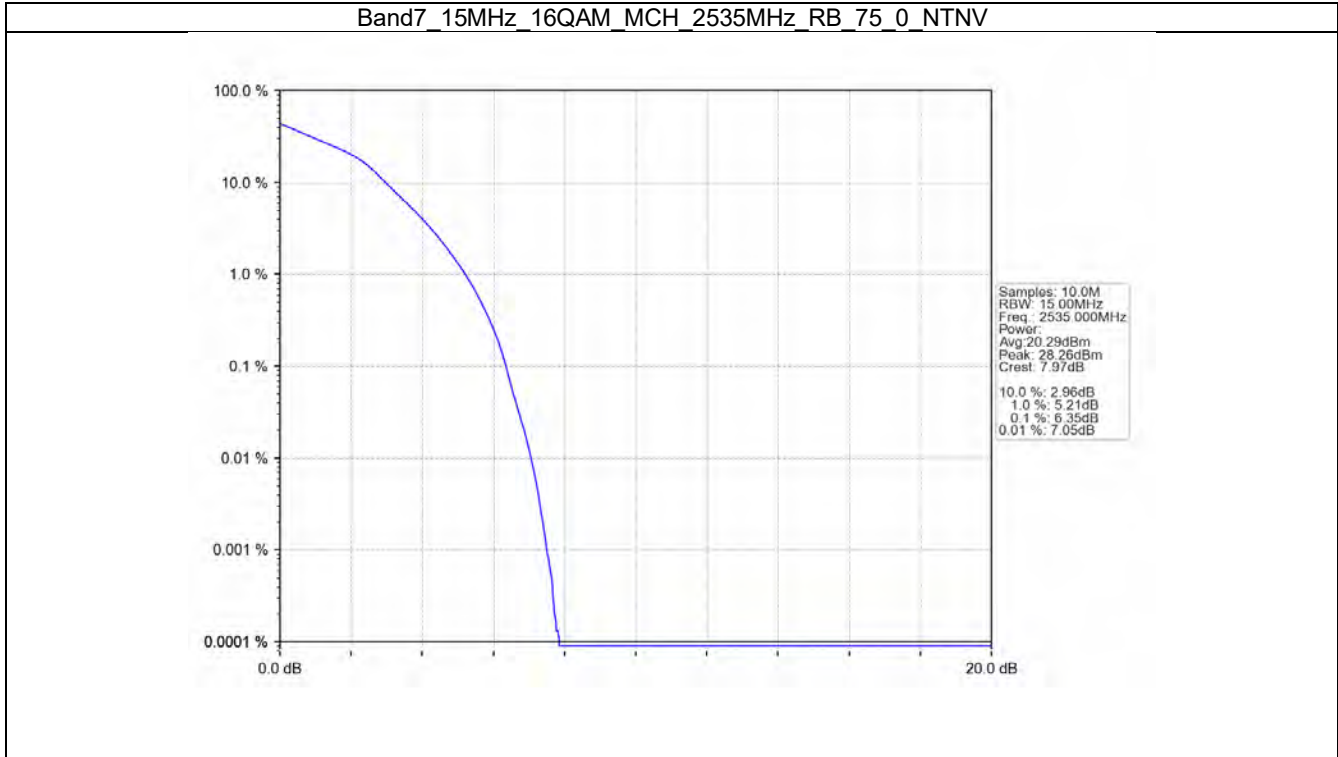


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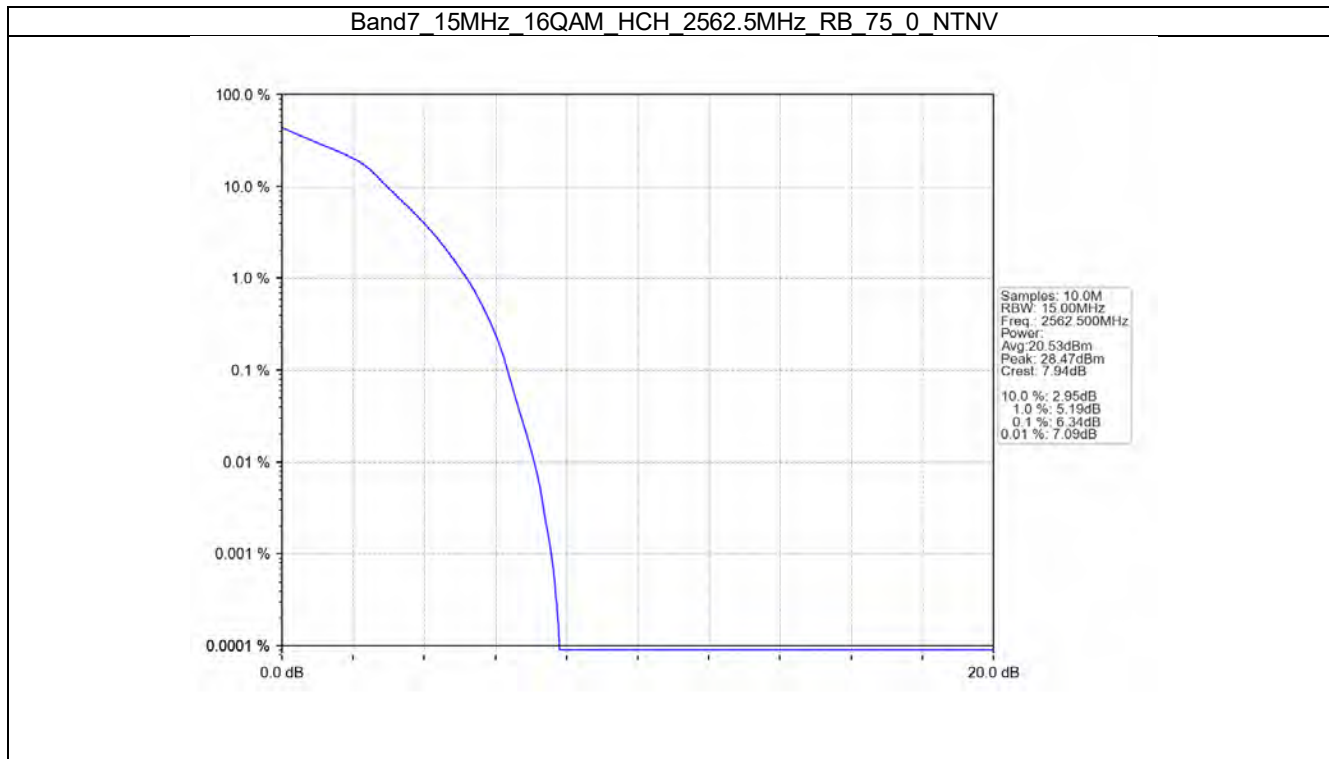
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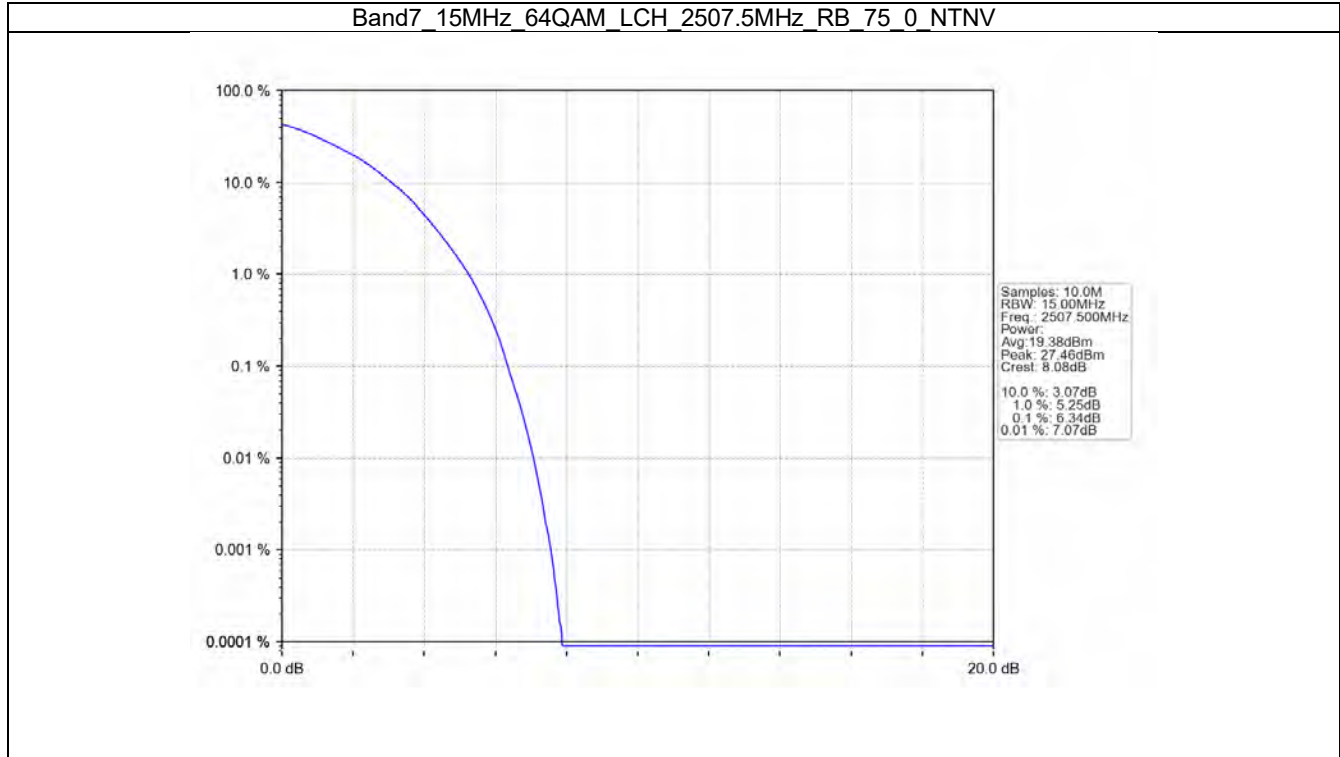
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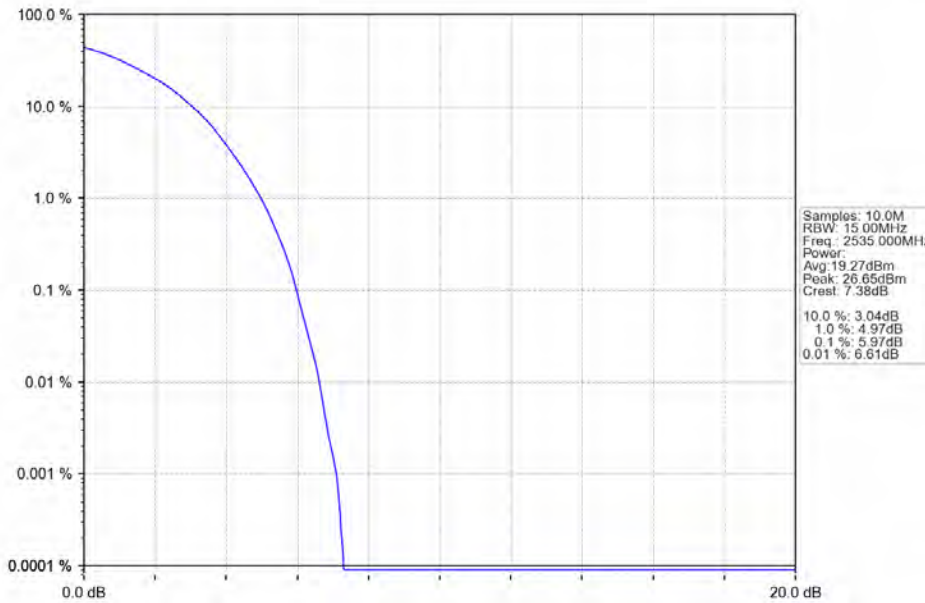
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Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



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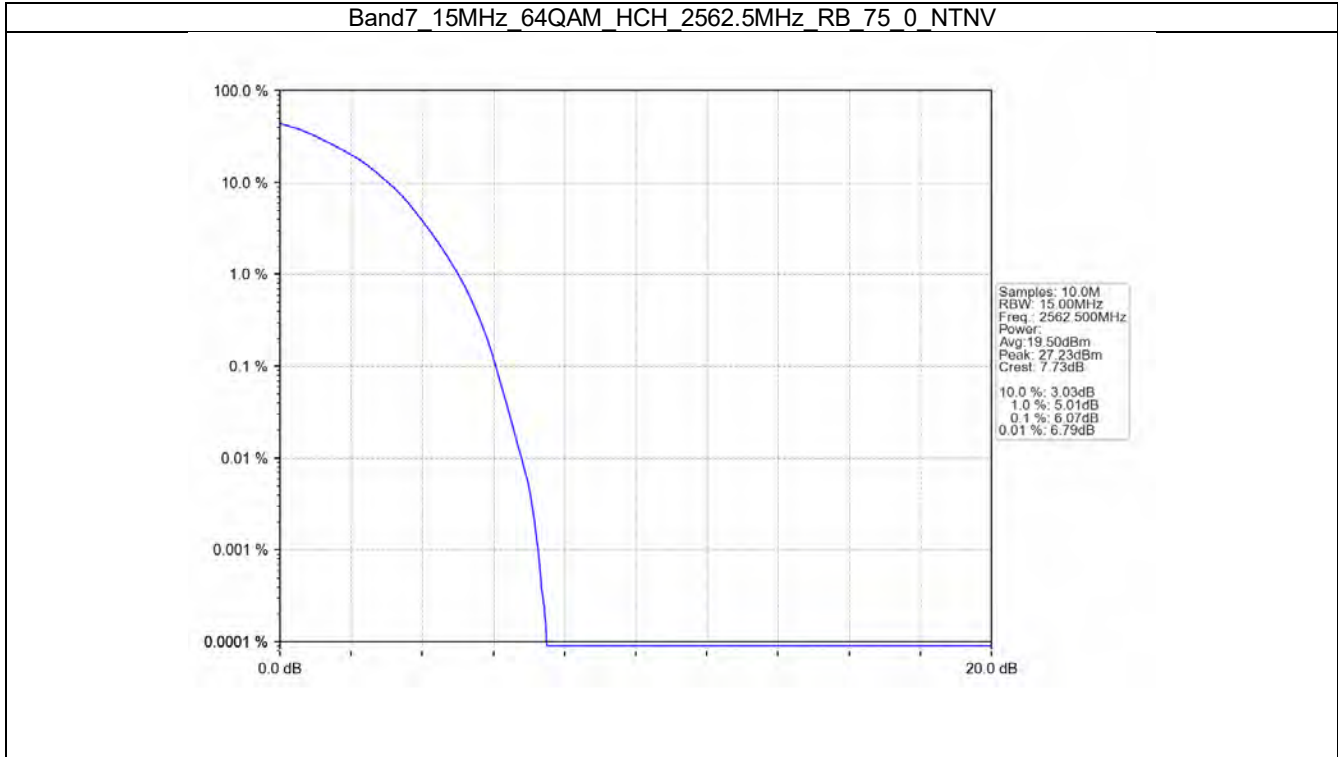


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4.4 B7_20MHz

4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.75	<=13	Pass
	2535	100	0	5.55	<=13	Pass
	2560	100	0	5.60	<=13	Pass
16QAM	2510	100	0	6.56	<=13	Pass
	2535	100	0	6.31	<=13	Pass
	2560	100	0	6.35	<=13	Pass
64QAM	2510	100	0	6.28	<=13	Pass
	2535	100	0	5.92	<=13	Pass
	2560	100	0	6.05	<=13	Pass



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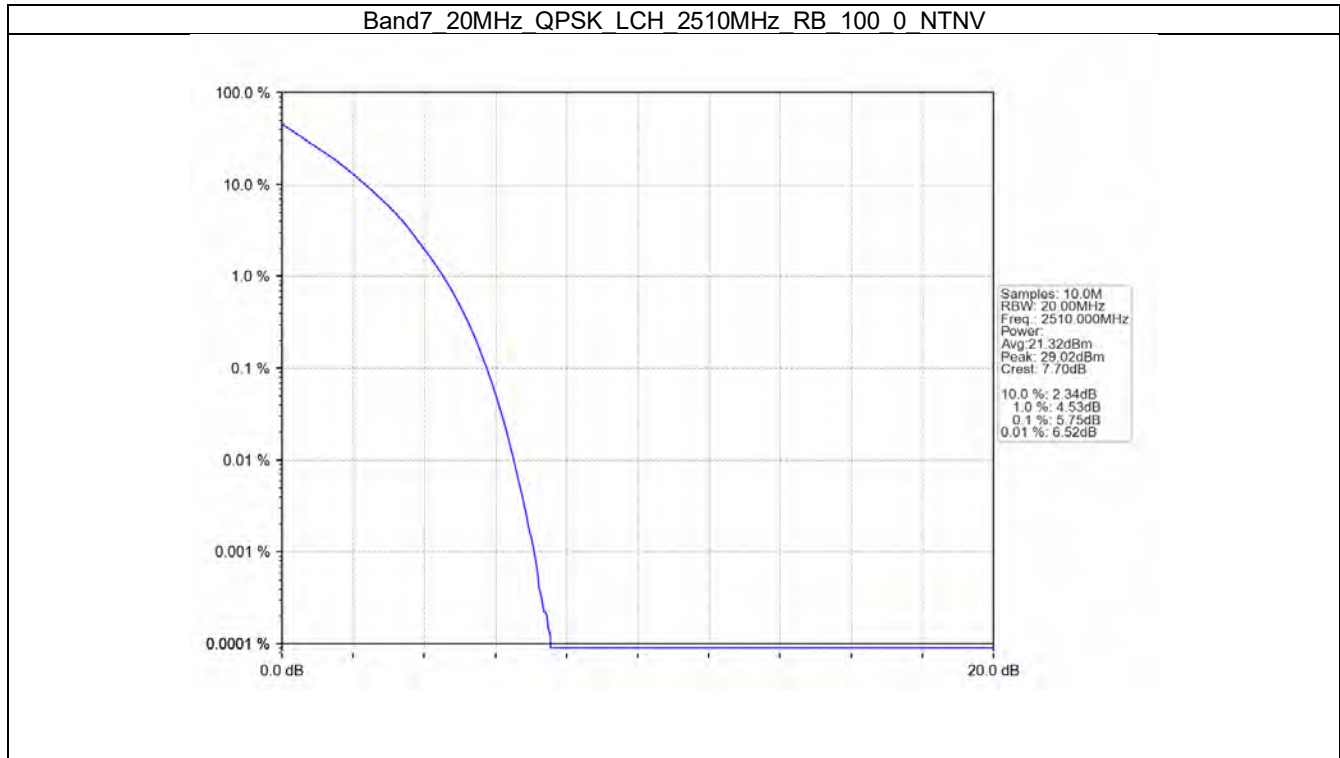
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4.4.2 Test Graph



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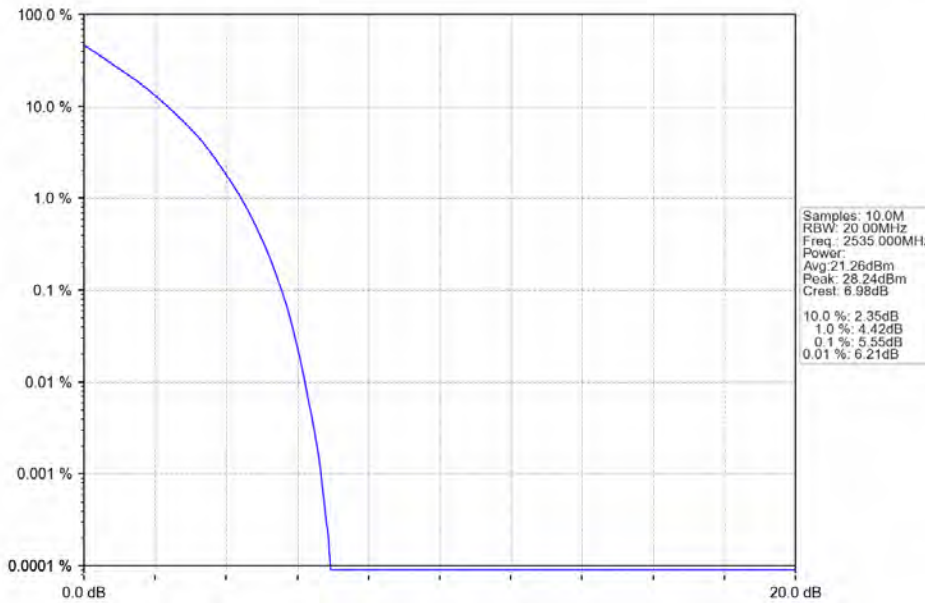
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Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



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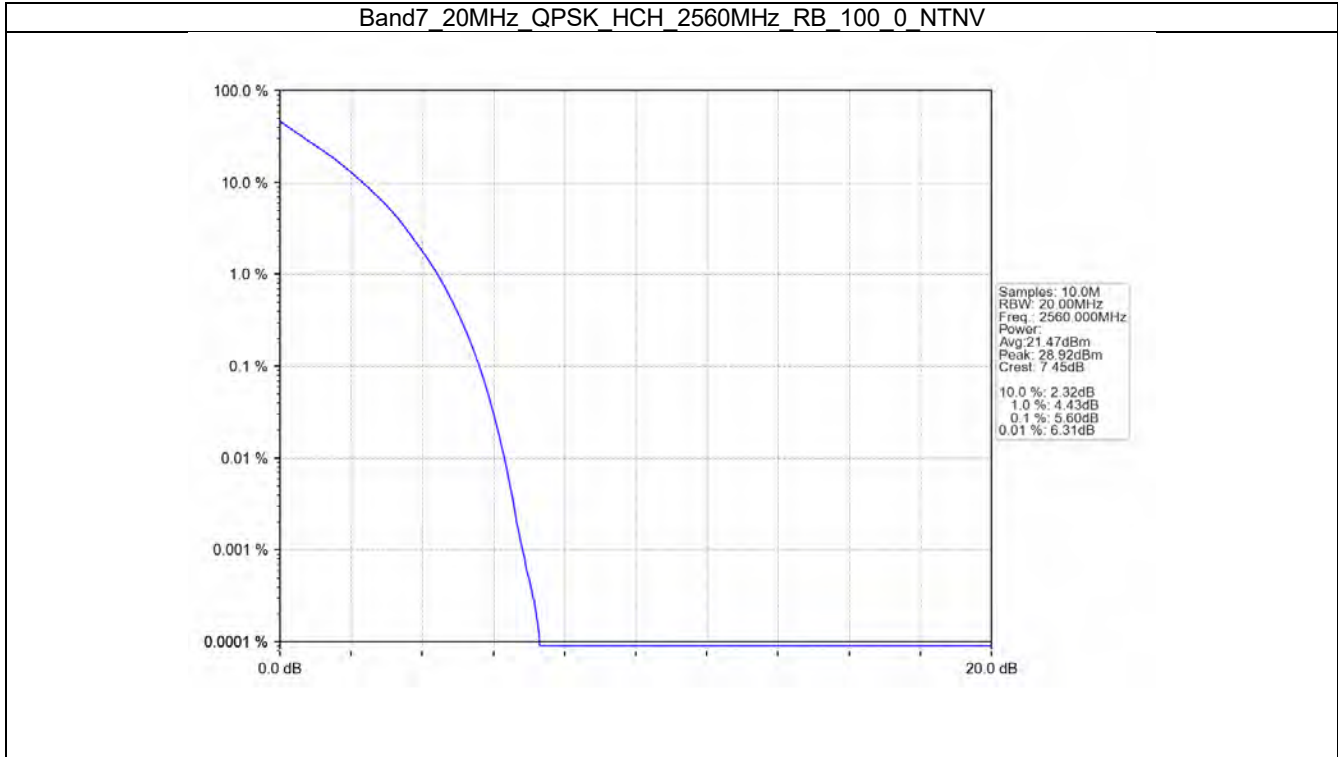


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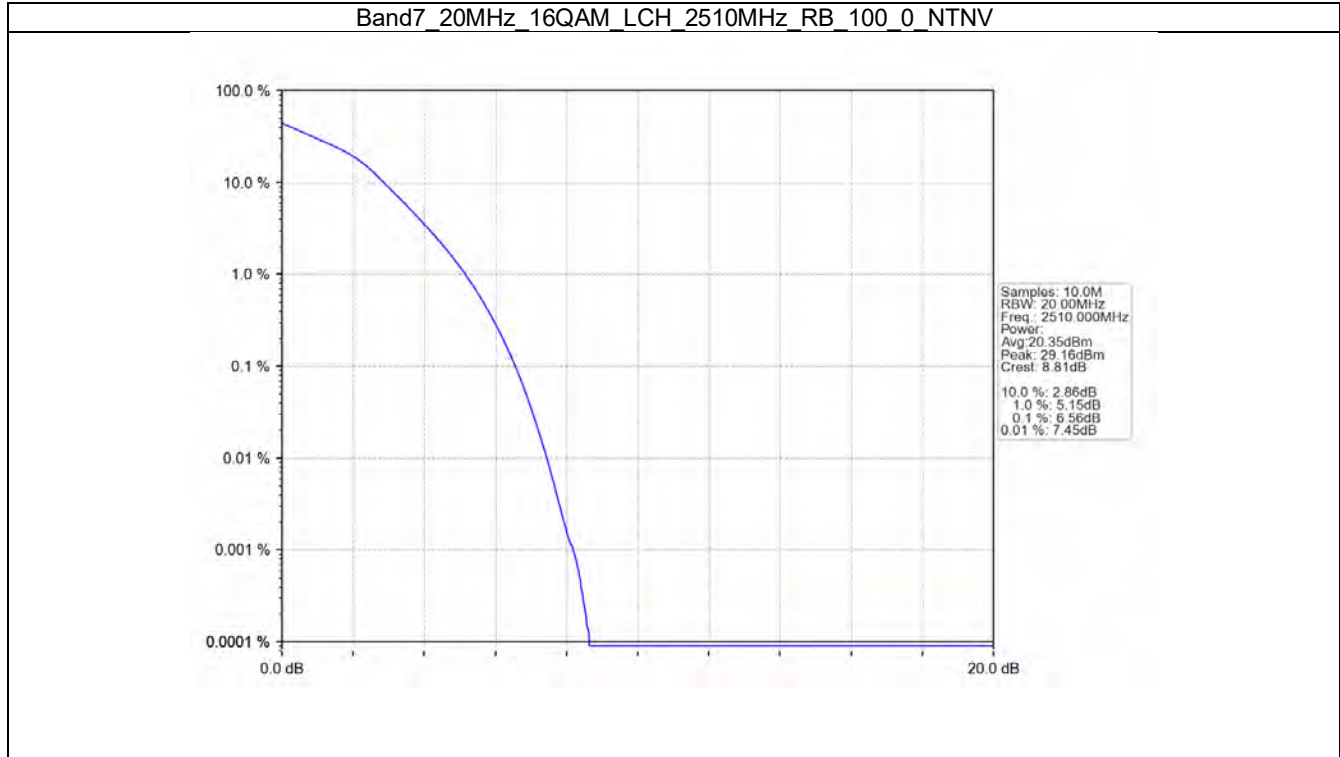


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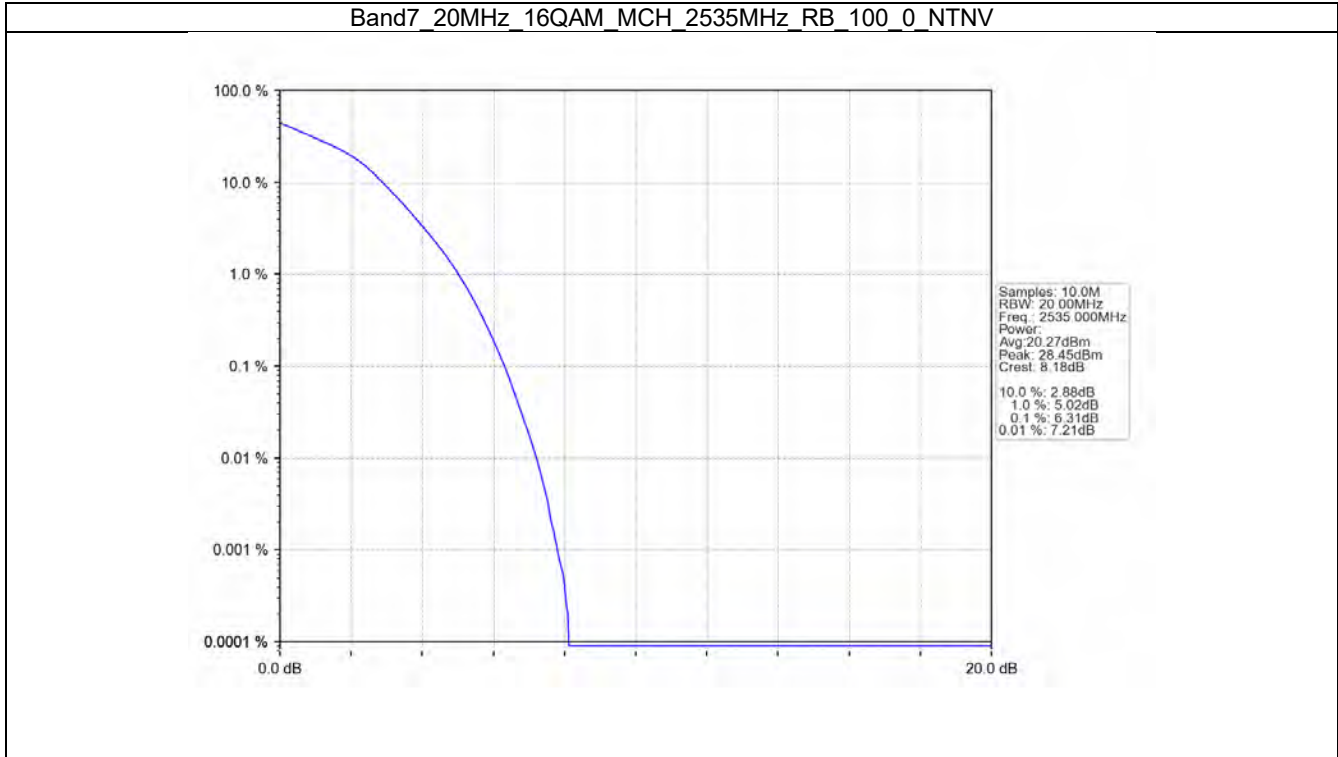


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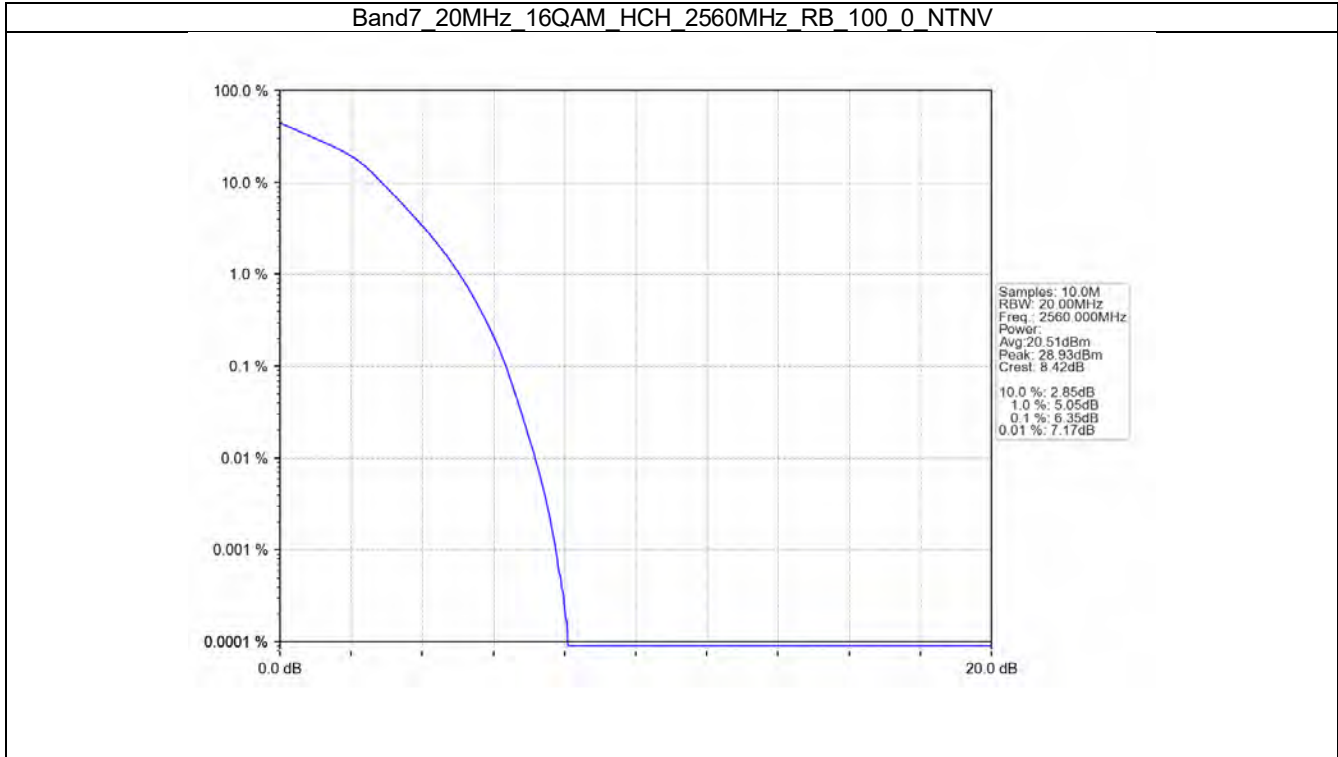


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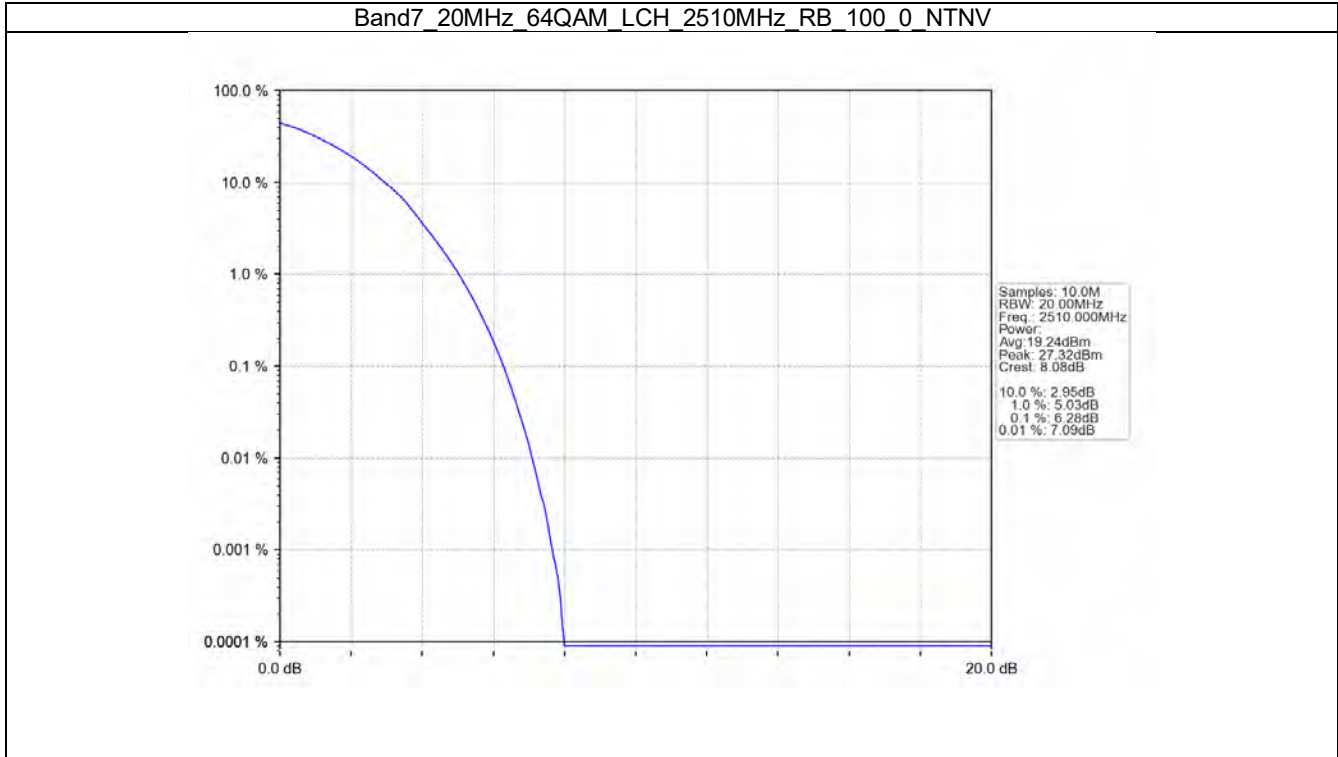


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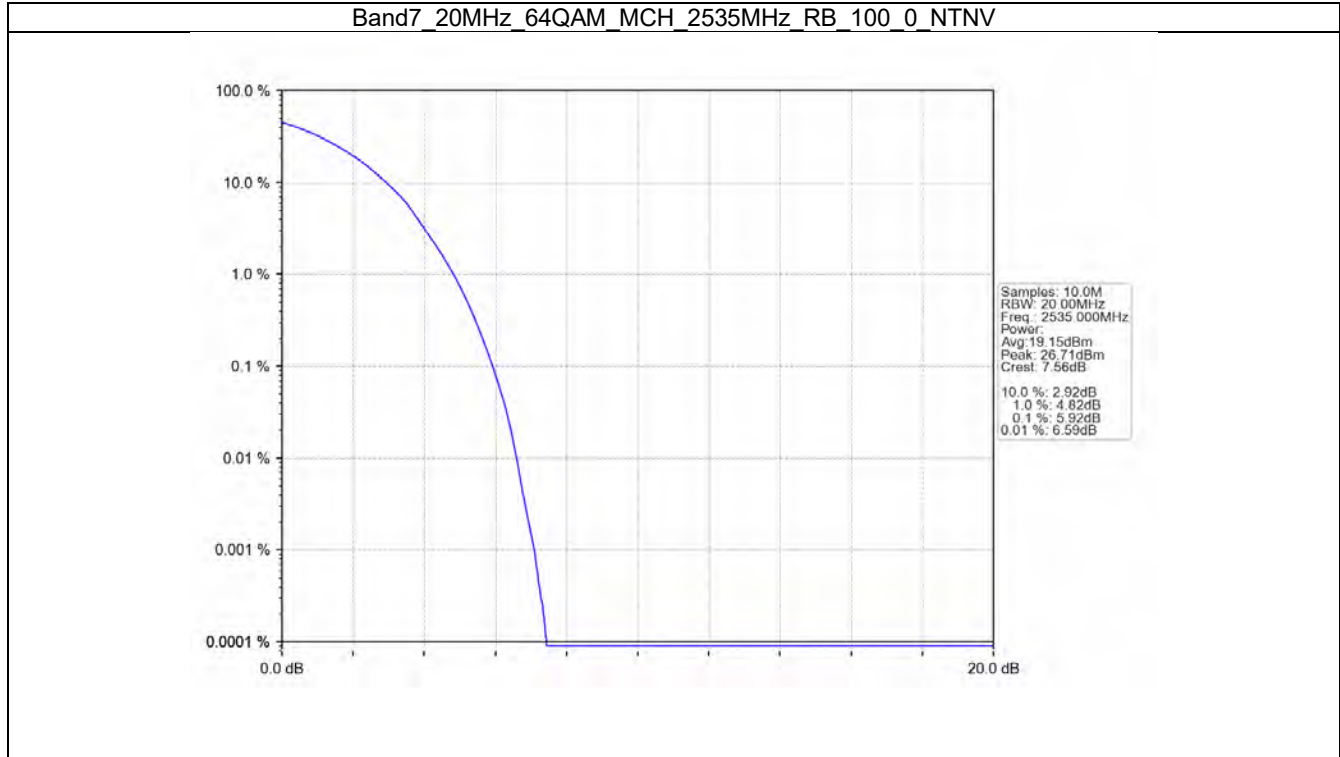


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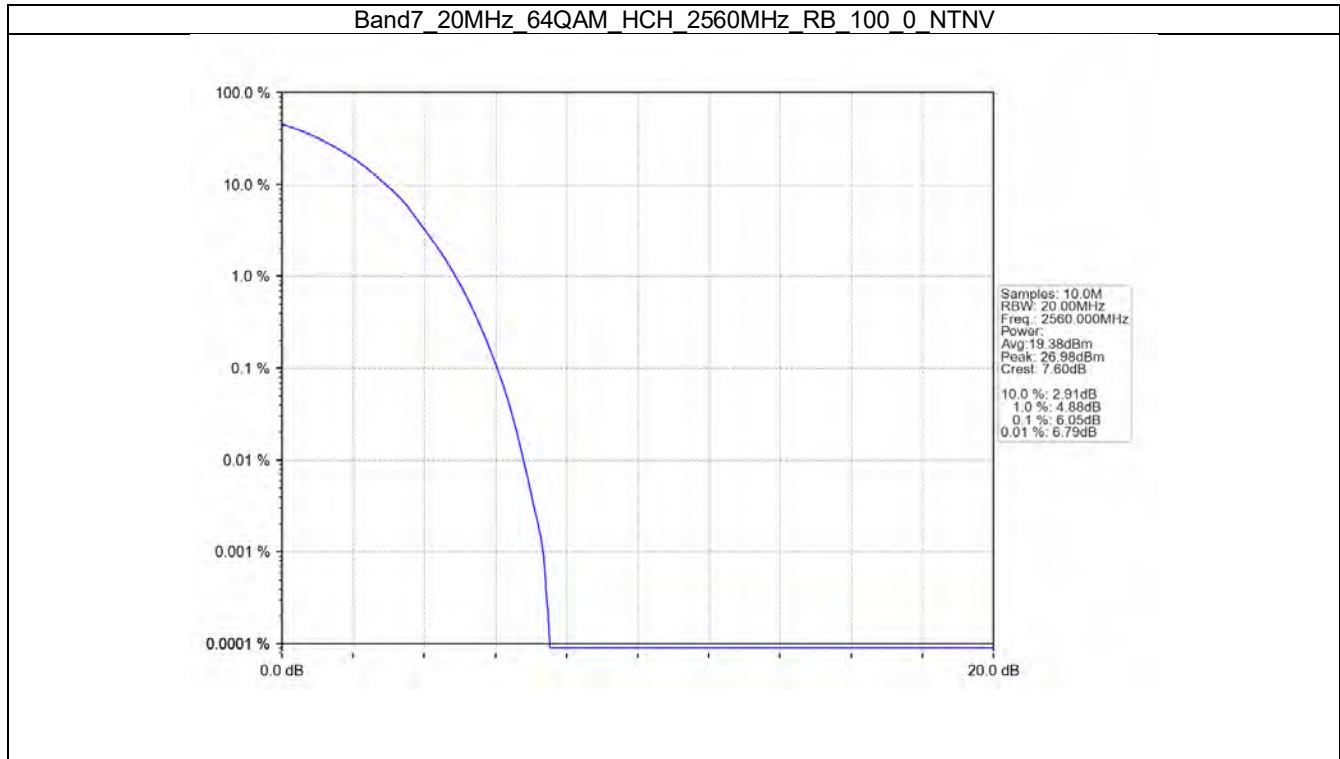
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5. Spurious Emission & Band Edges

5.1 B7_5MHz

5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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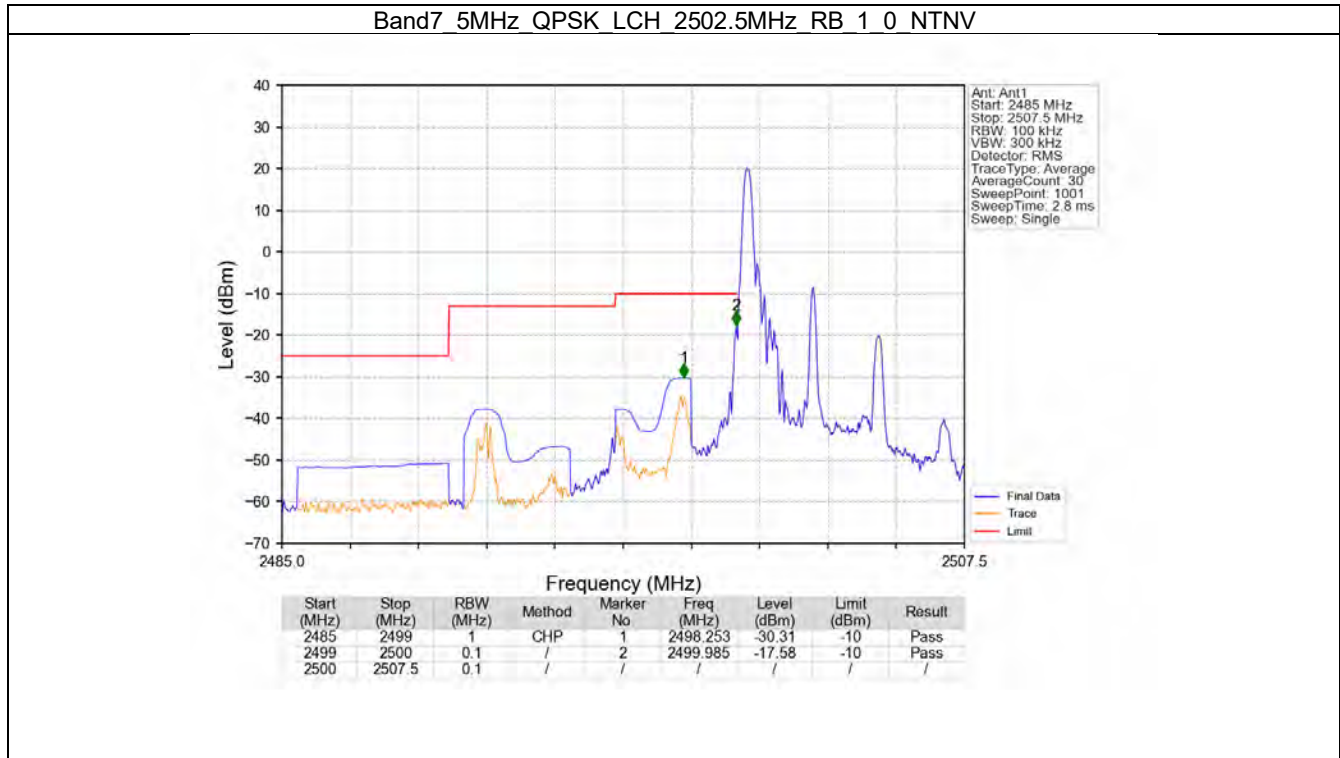
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5.1.2 Test Graph



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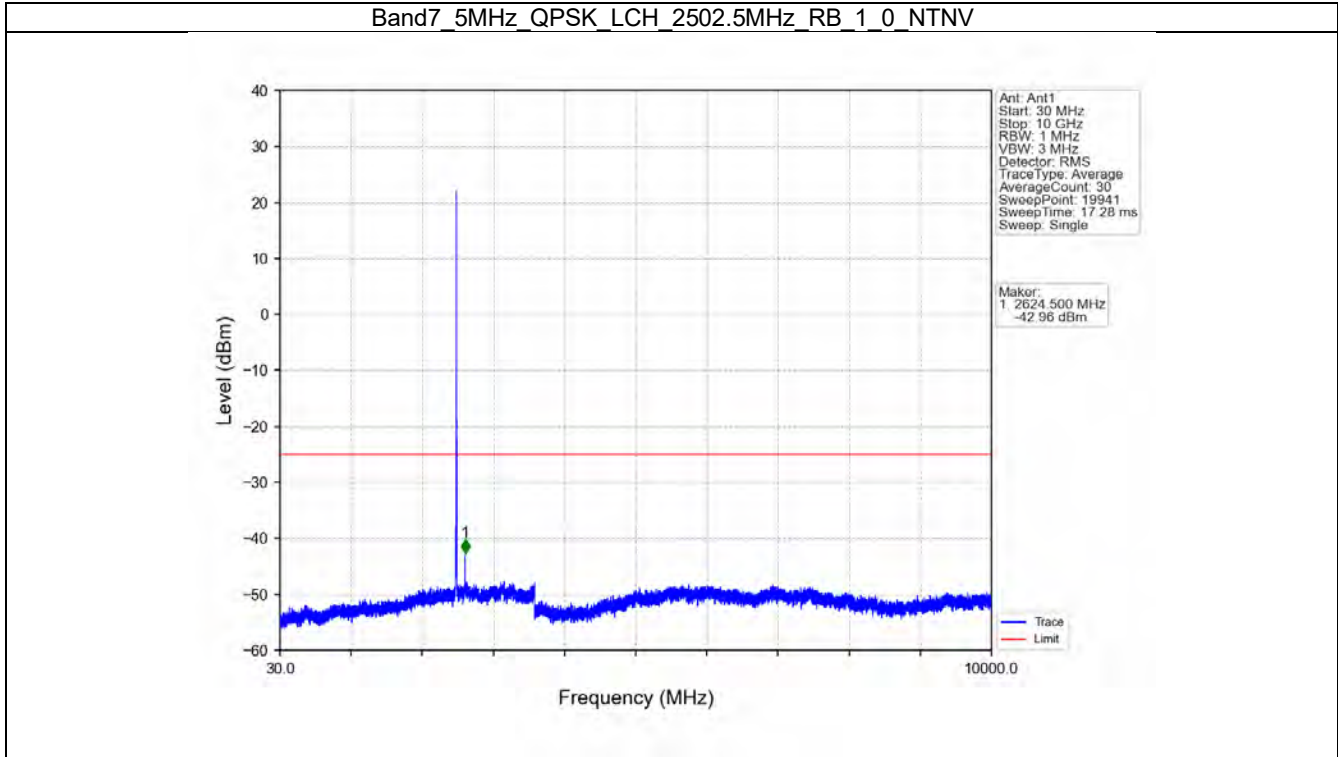


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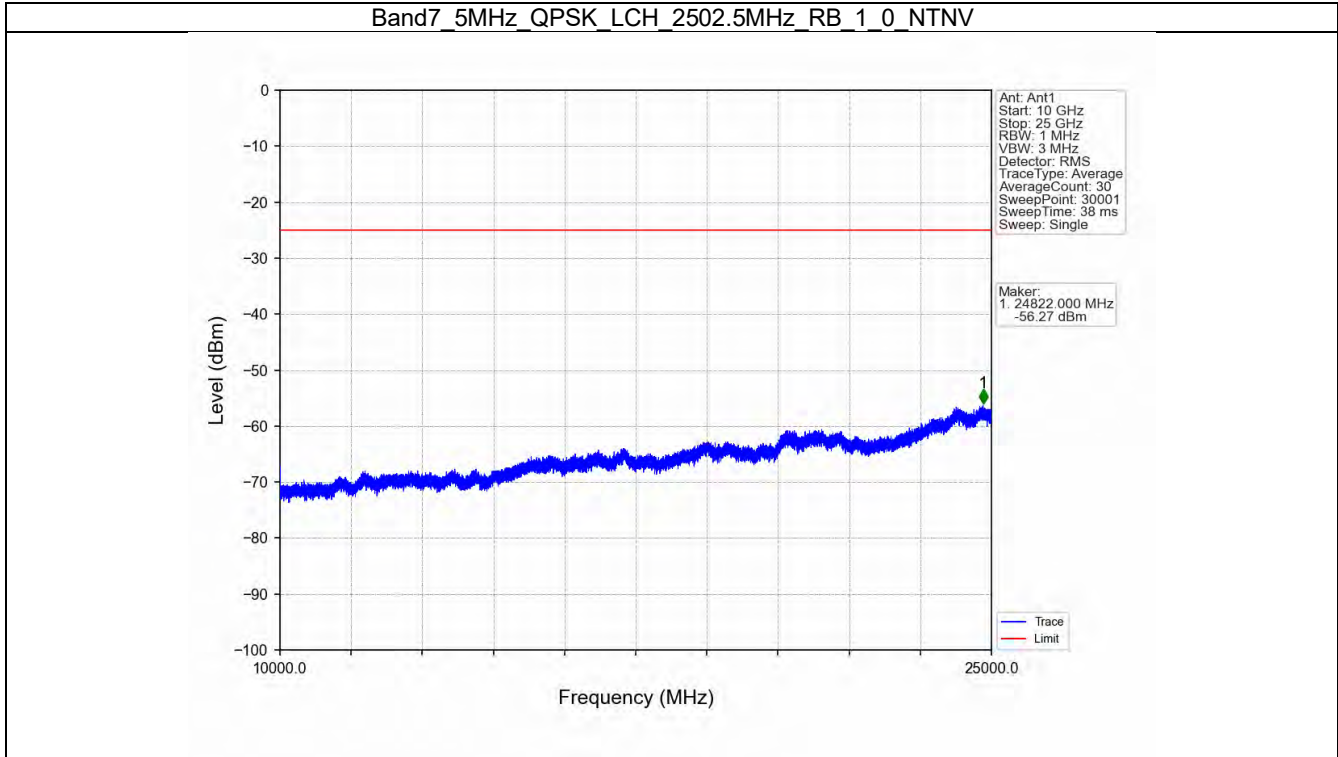


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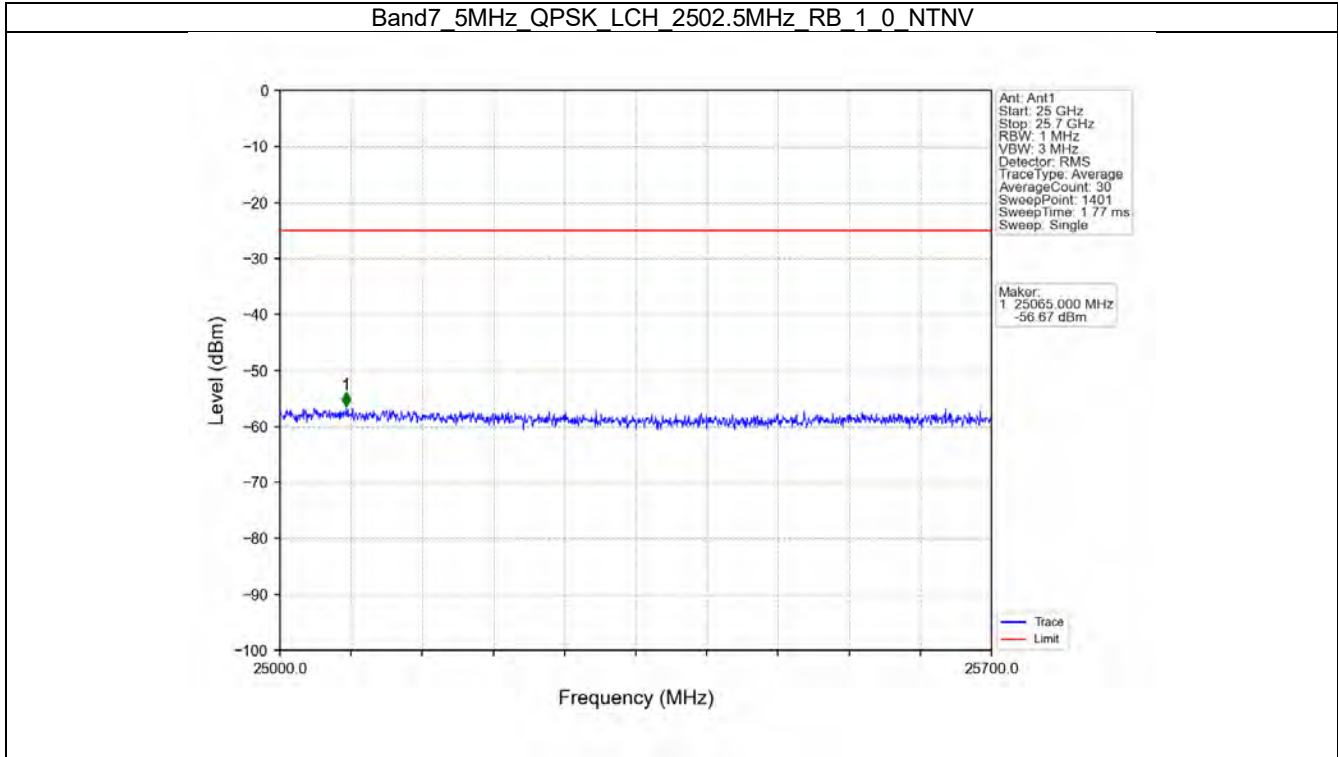


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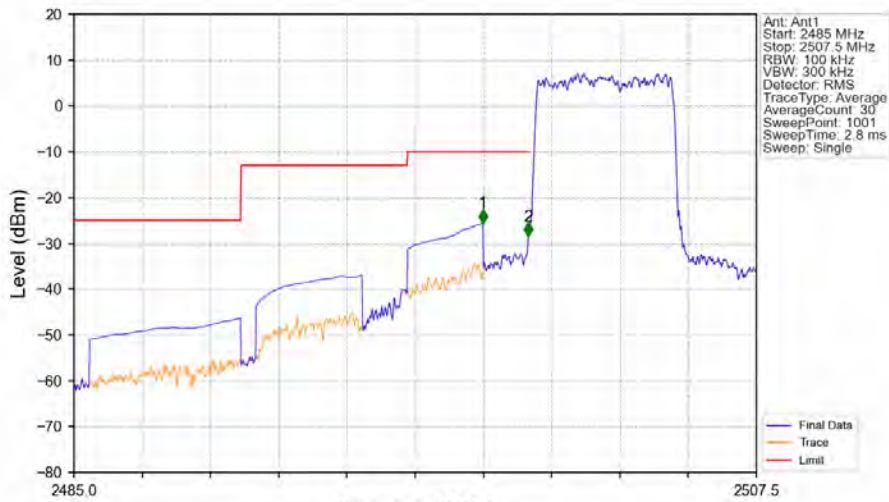
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Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-25.61	-10	Pass
2499	2500	0.1	/	2	2499.985	-28.45	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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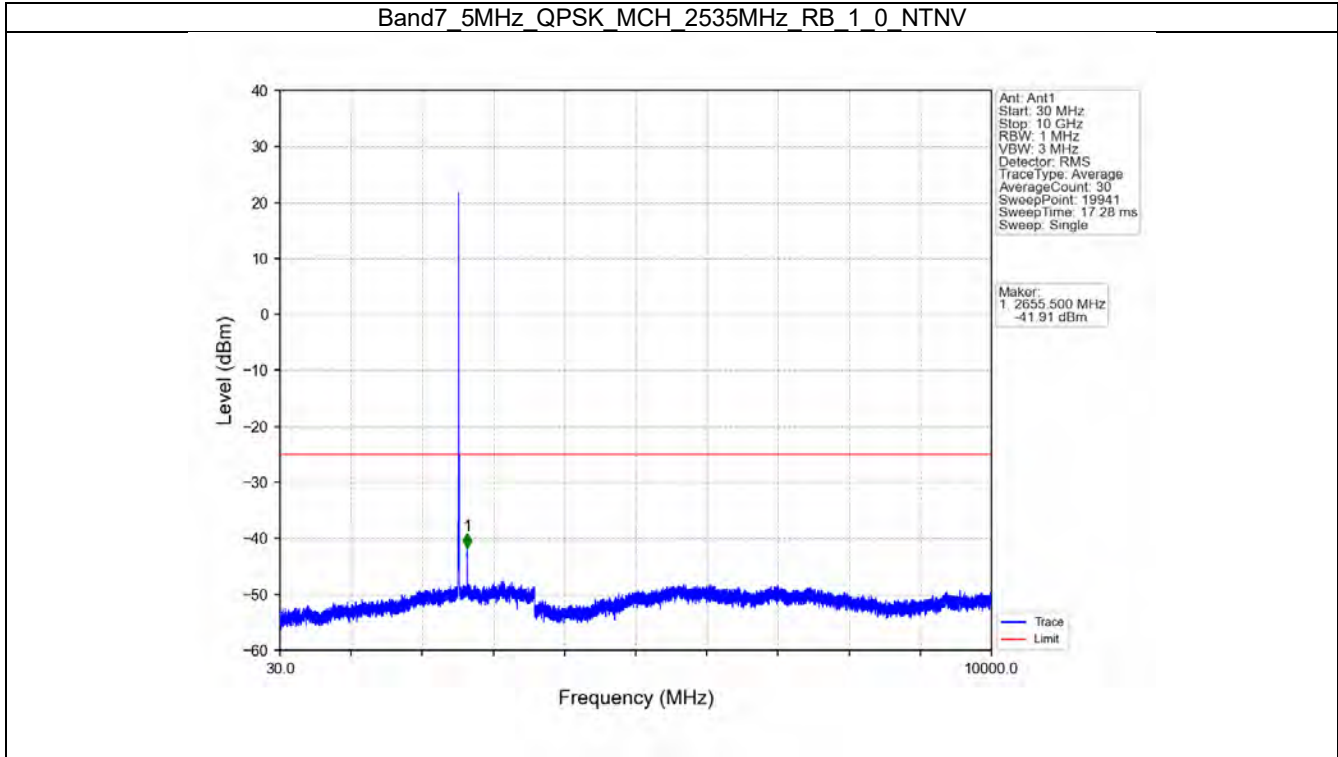


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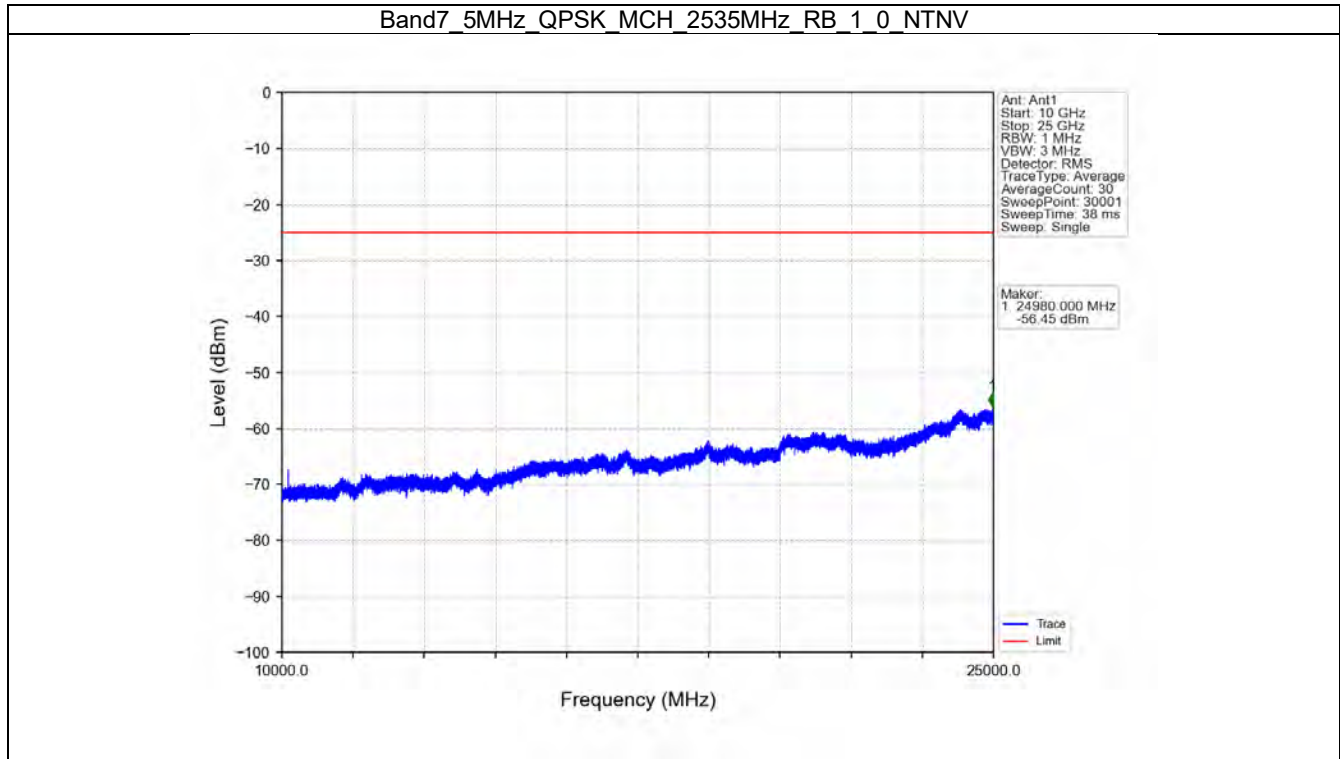


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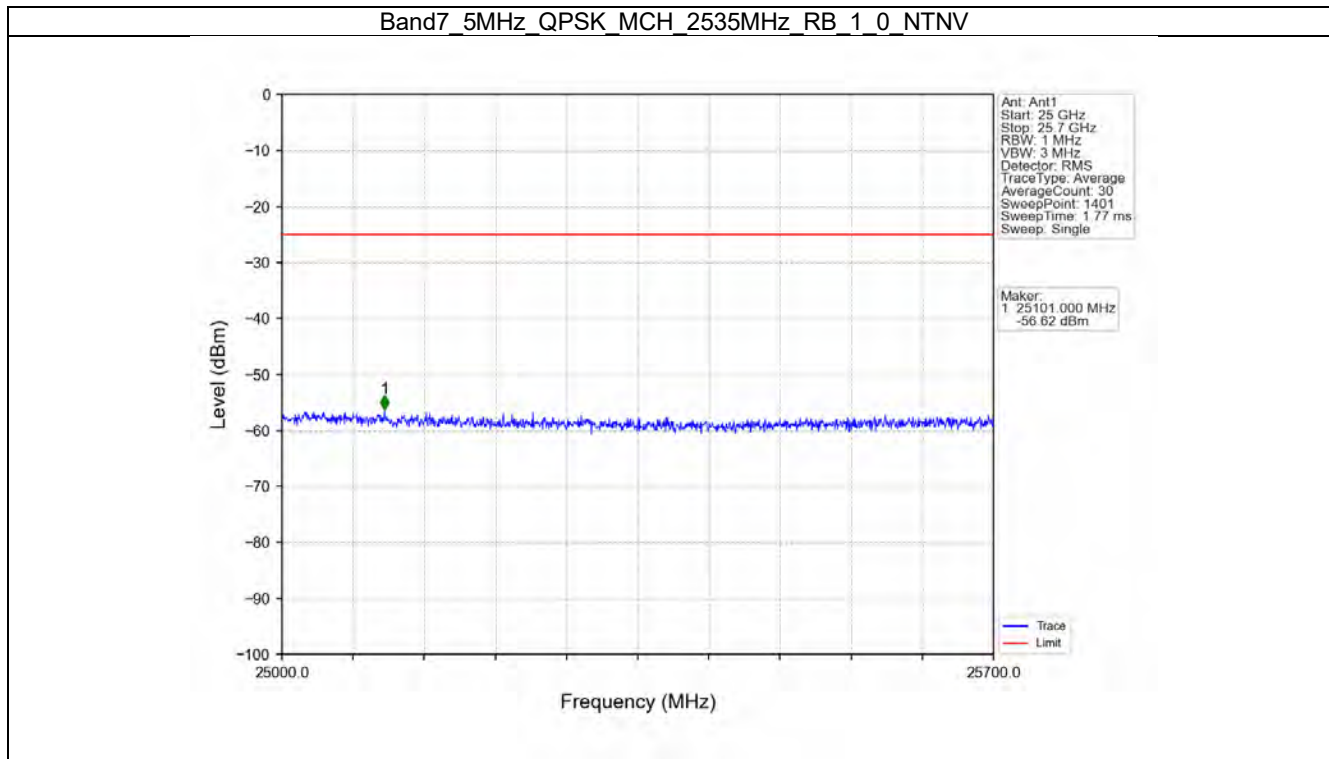
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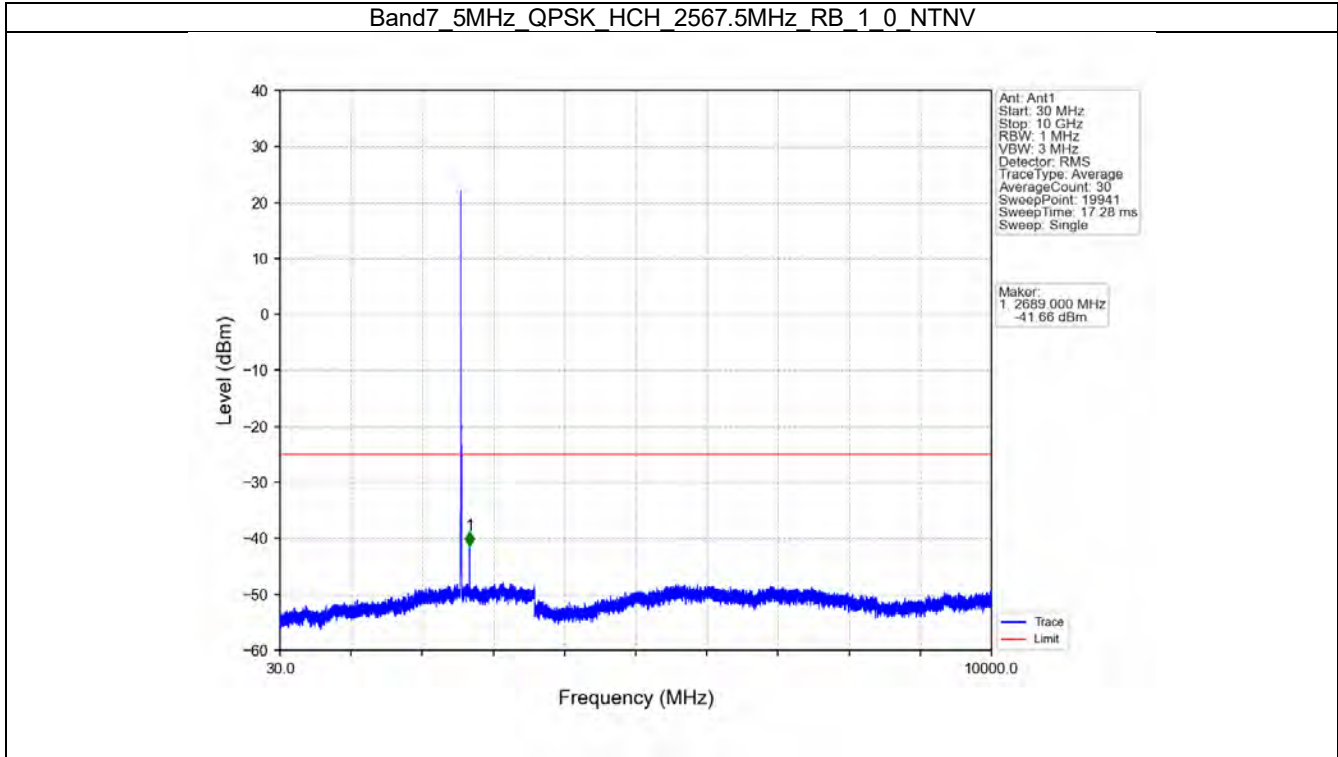


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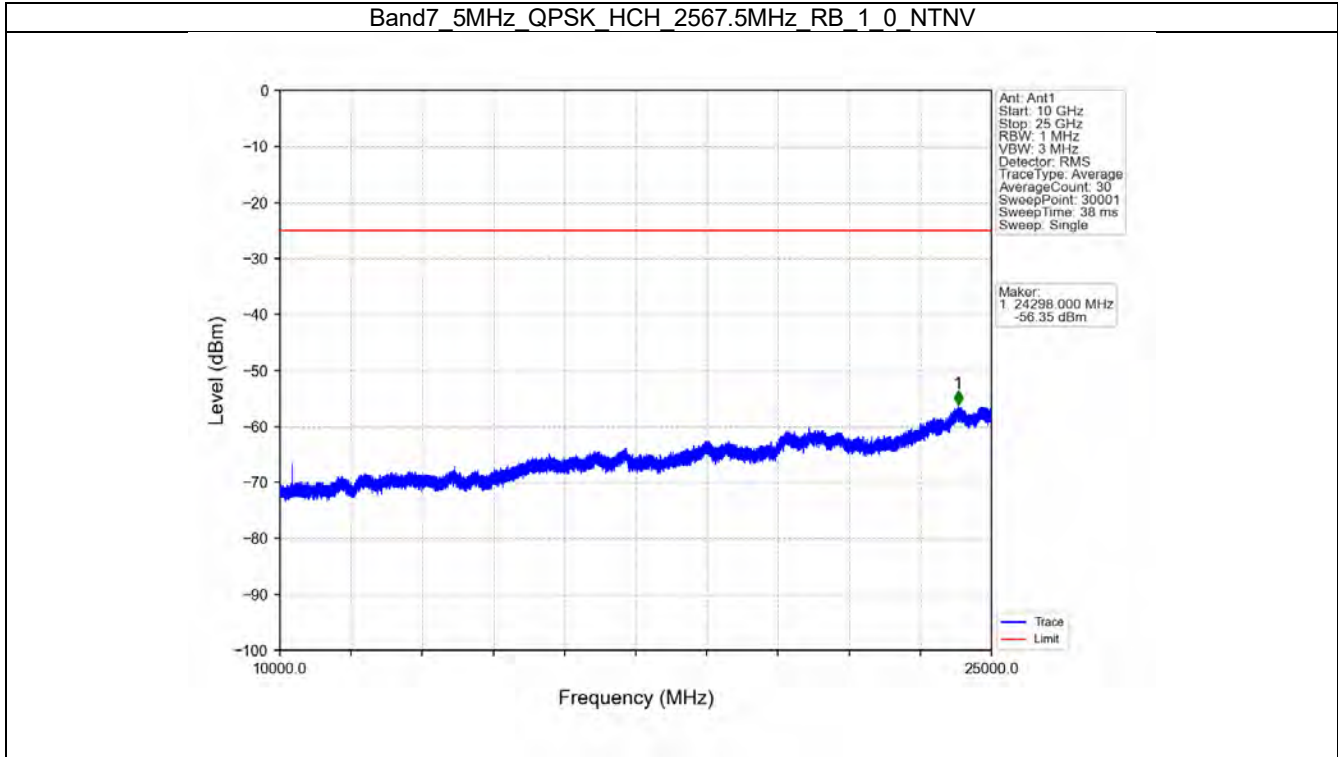


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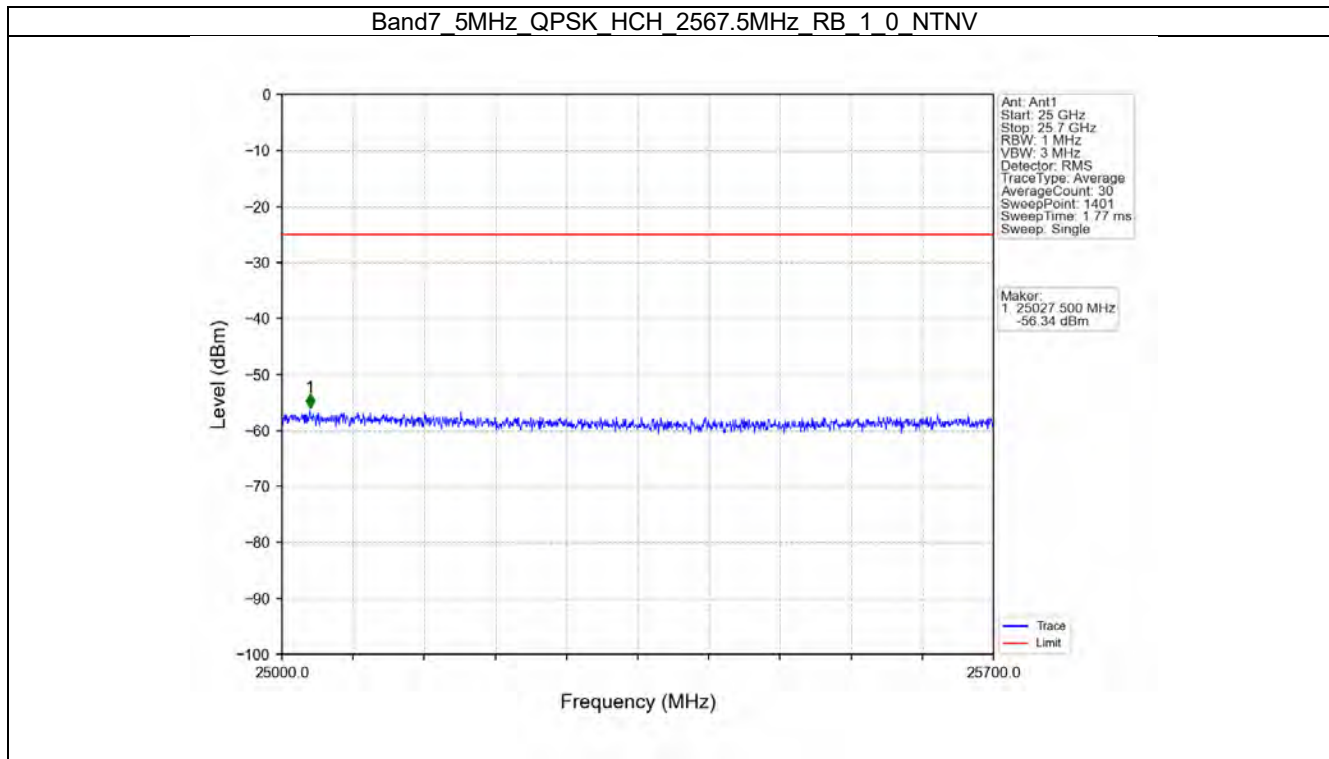
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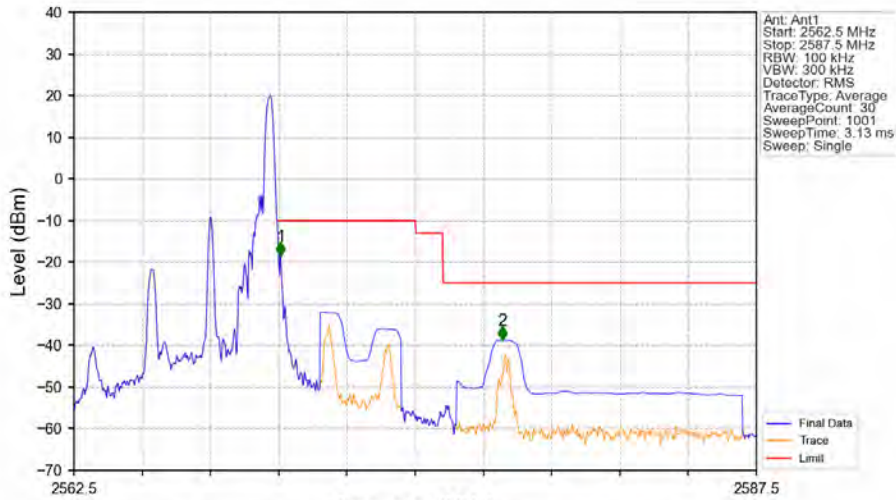
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.075	-18.62	-10	Pass
2571	2587.5	1	CHP	2	2578.200	-38.74	-25	Pass



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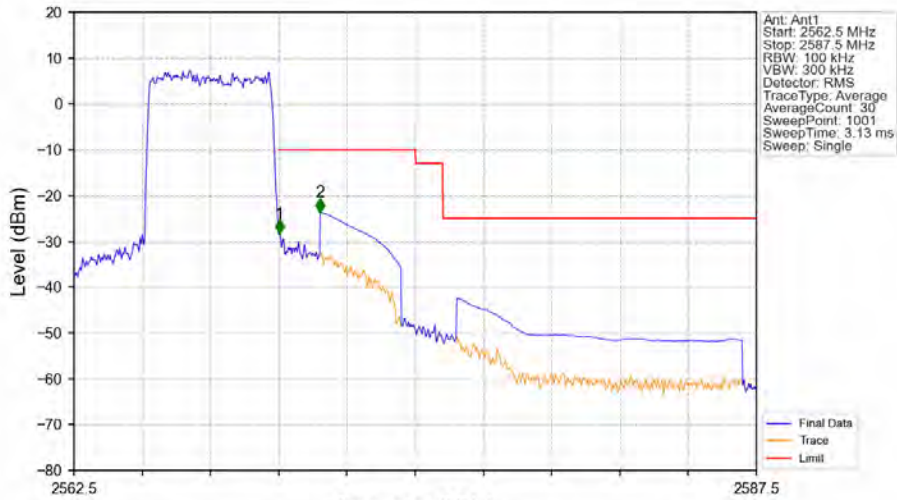
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.025	-28.38	-10	Pass
2571	2587.5	1	CHP	2	2571.525	-23.66	-10	Pass



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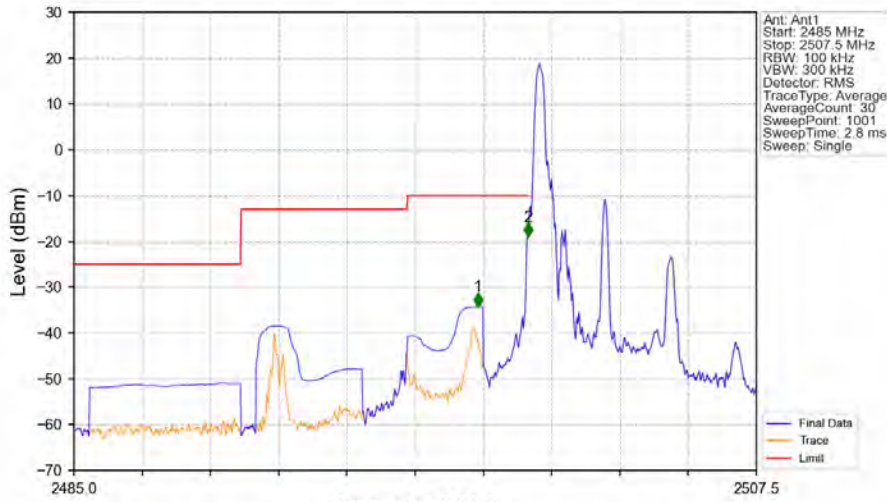
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Shenzhen Branch

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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.320	-34.31	-10	Pass
2499	2500	0.1	/	2	2499.985	-18.99	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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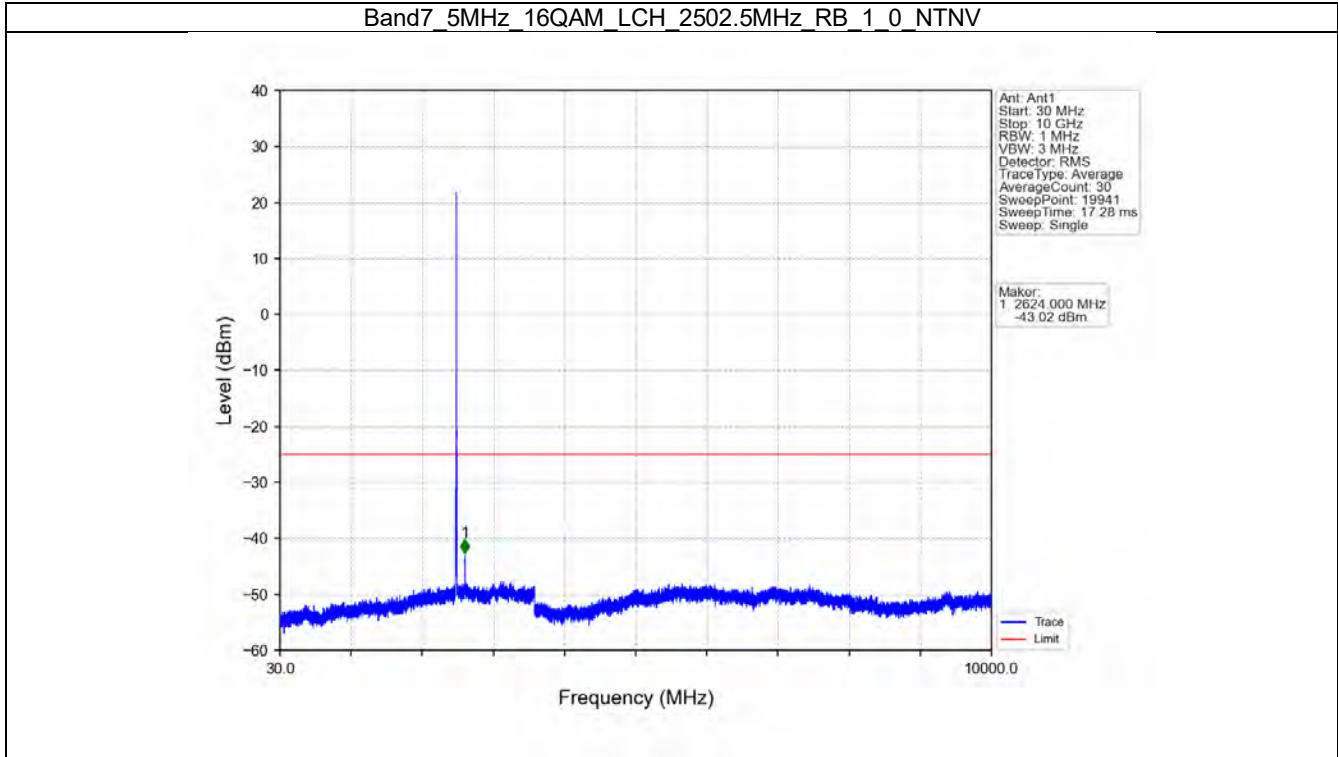


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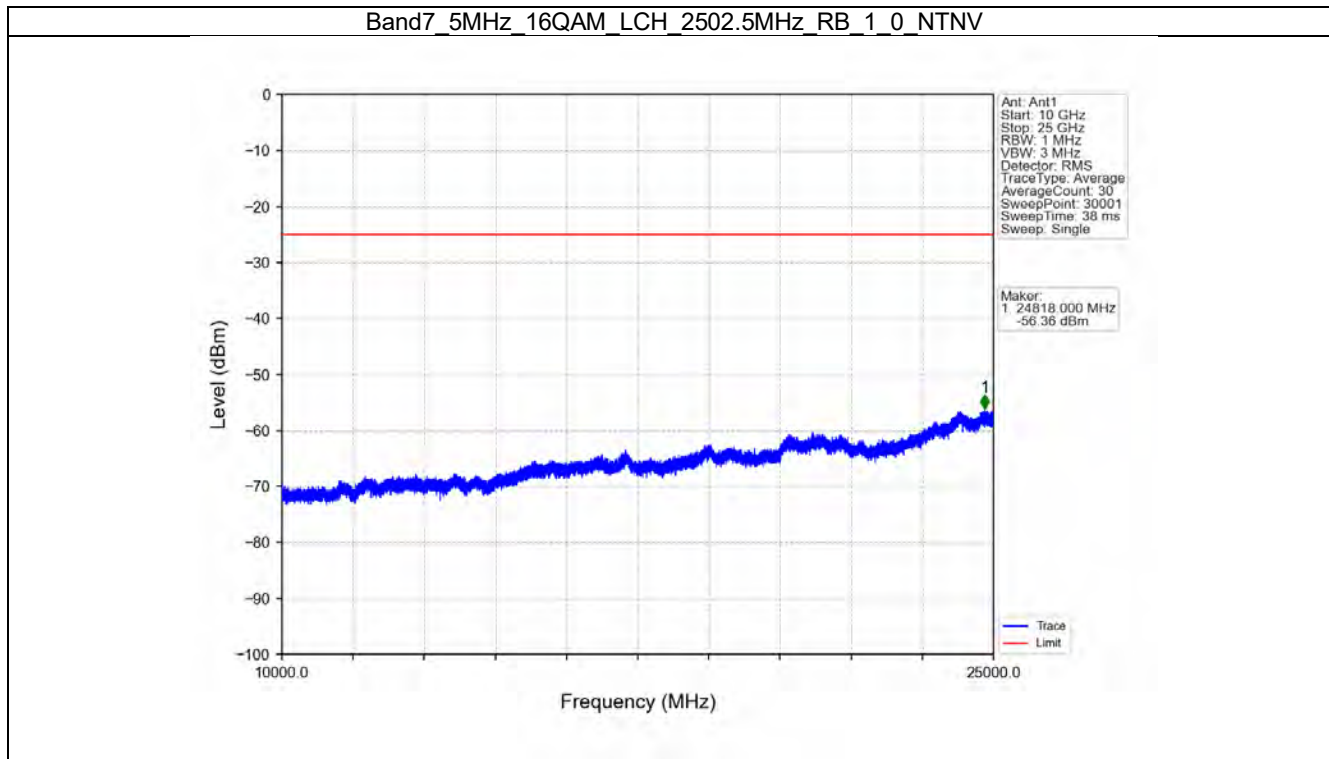
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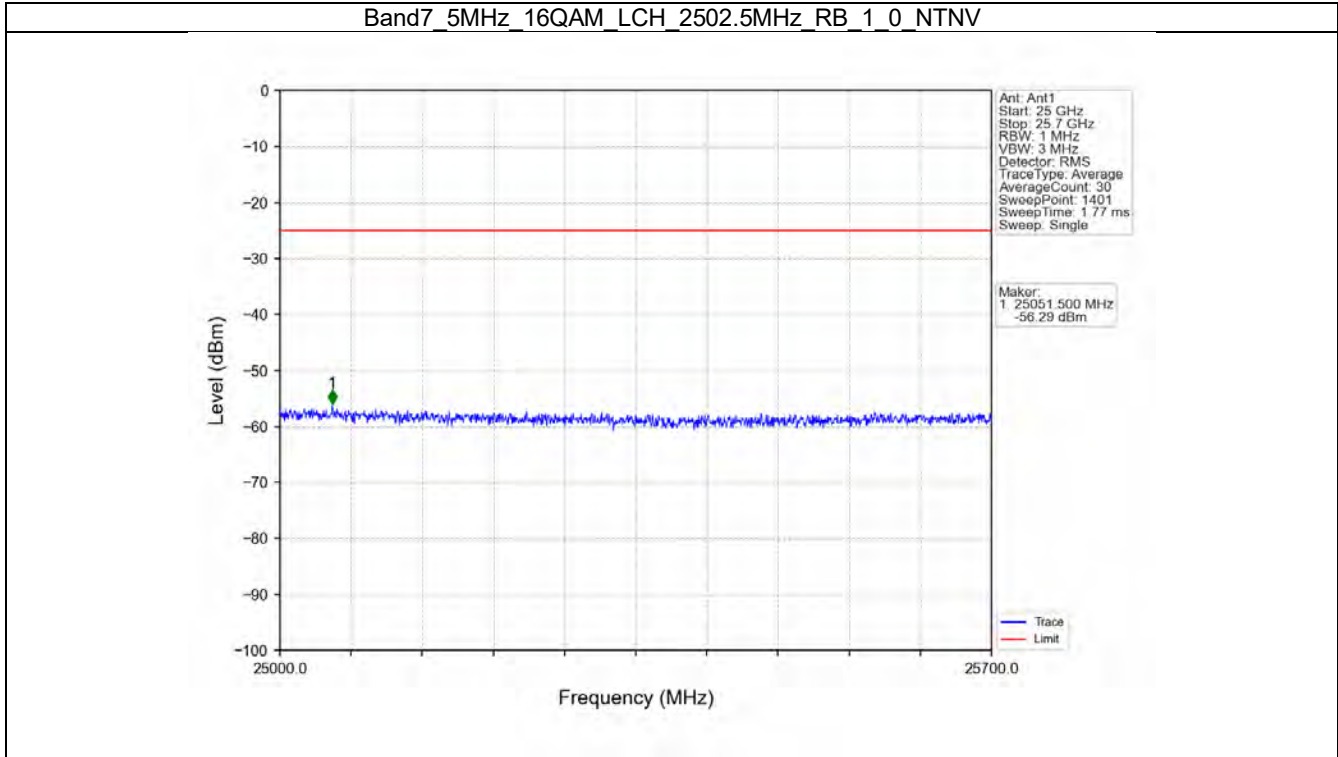


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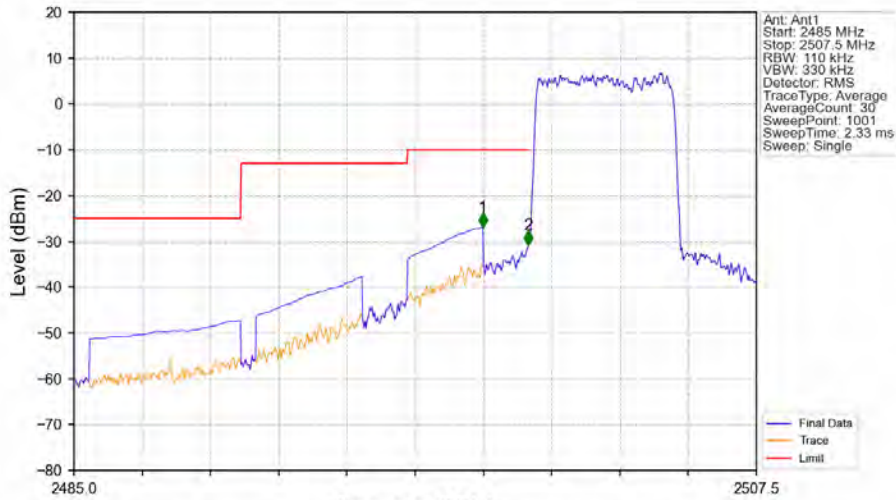
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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-26.92	-10	Pass
2499	2500	0.11	/	2	2499.985	-30.80	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/



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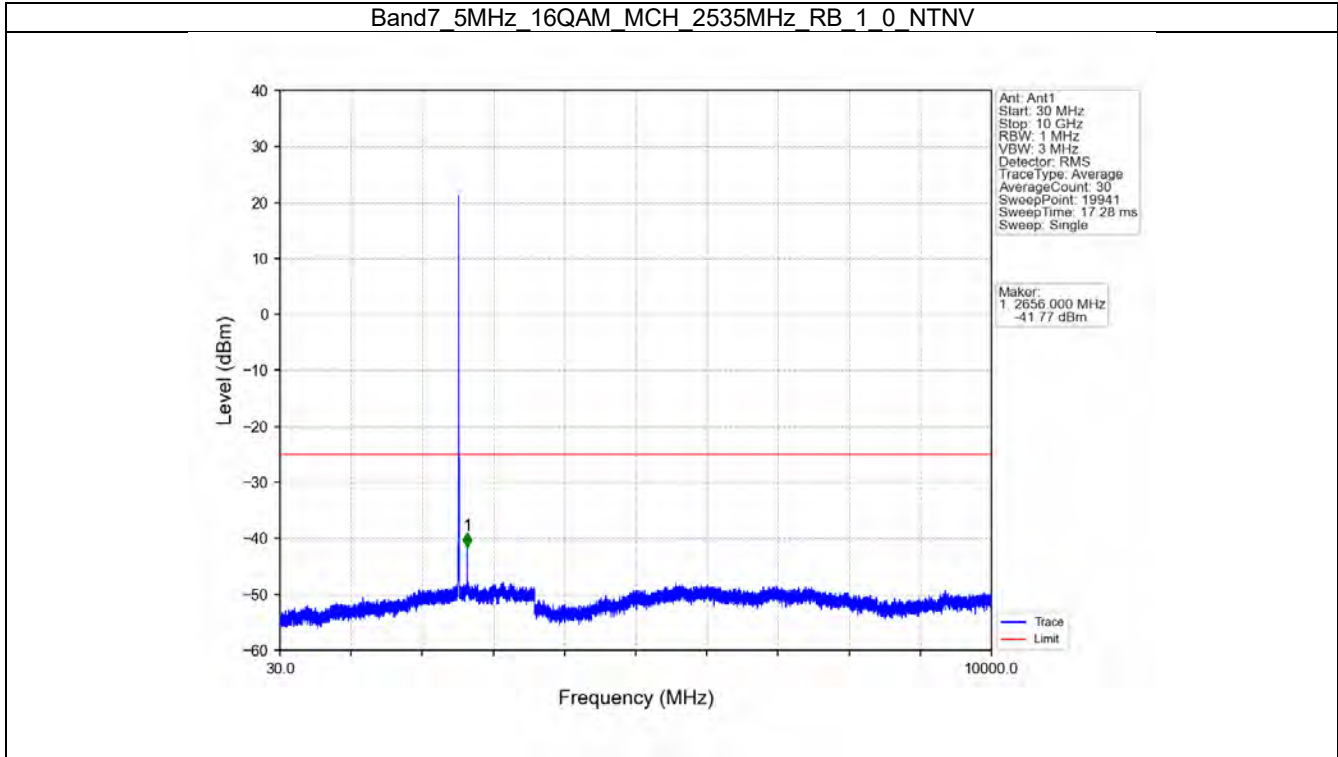


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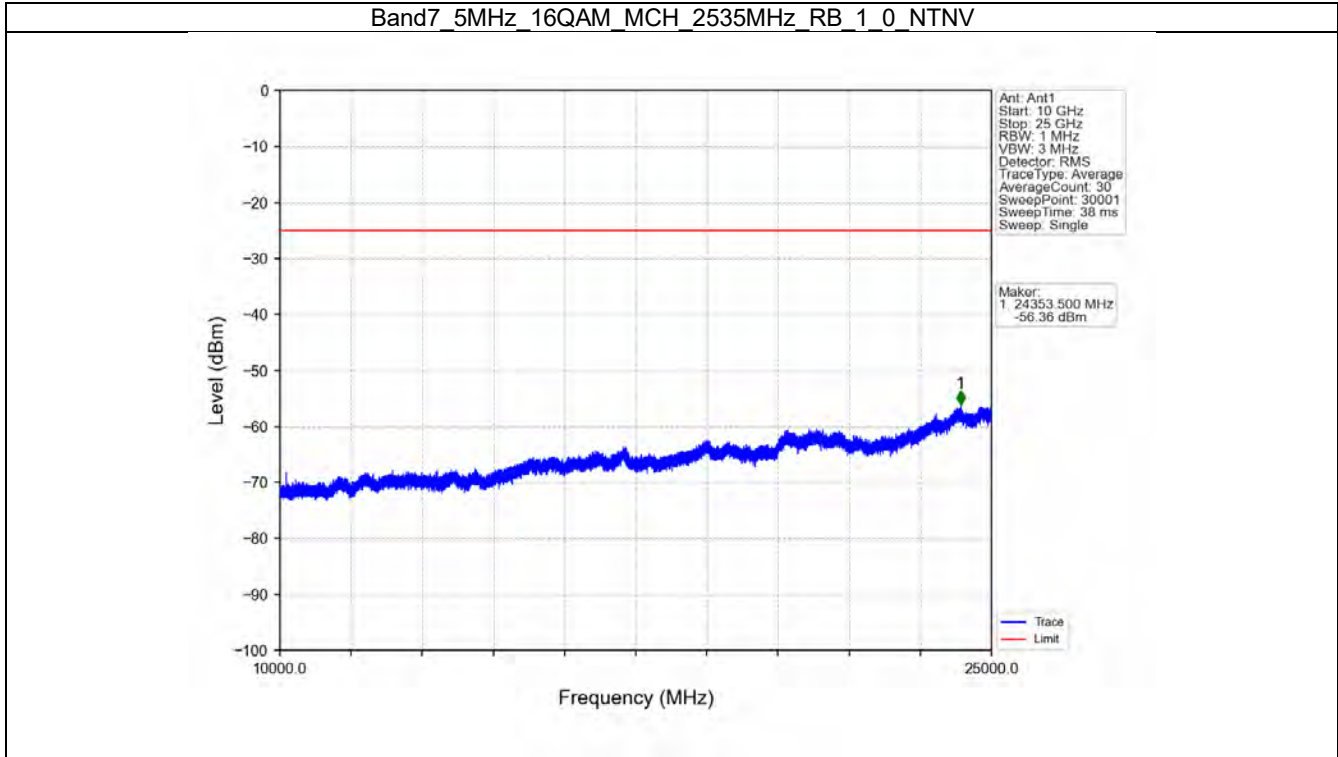
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Band7_5MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



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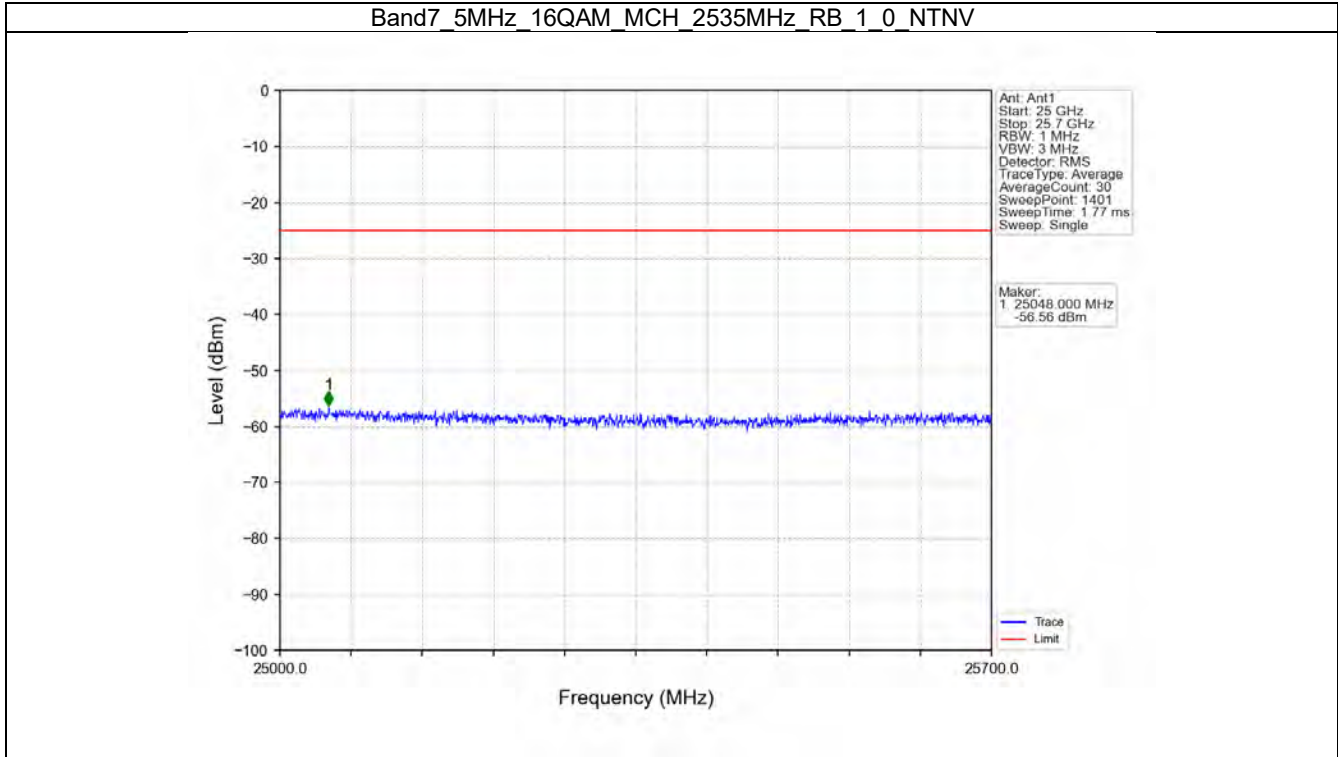


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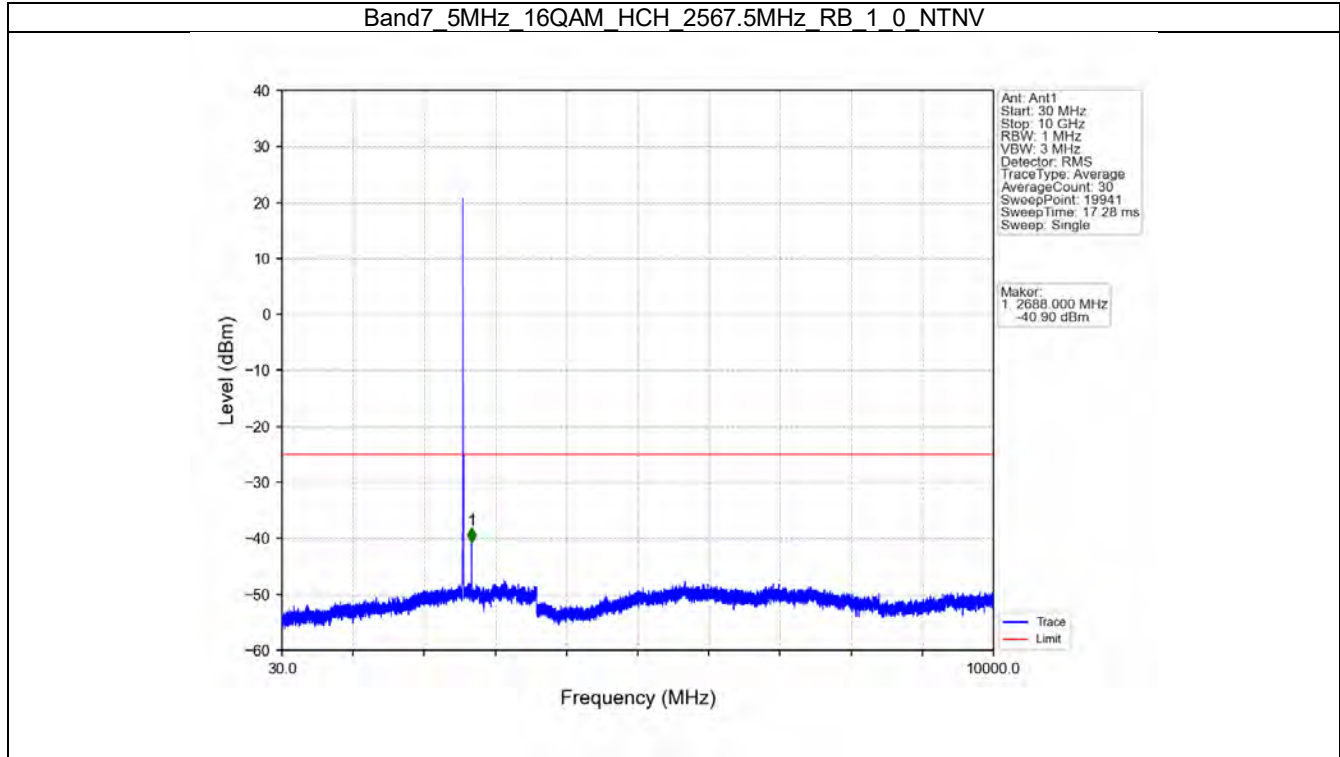


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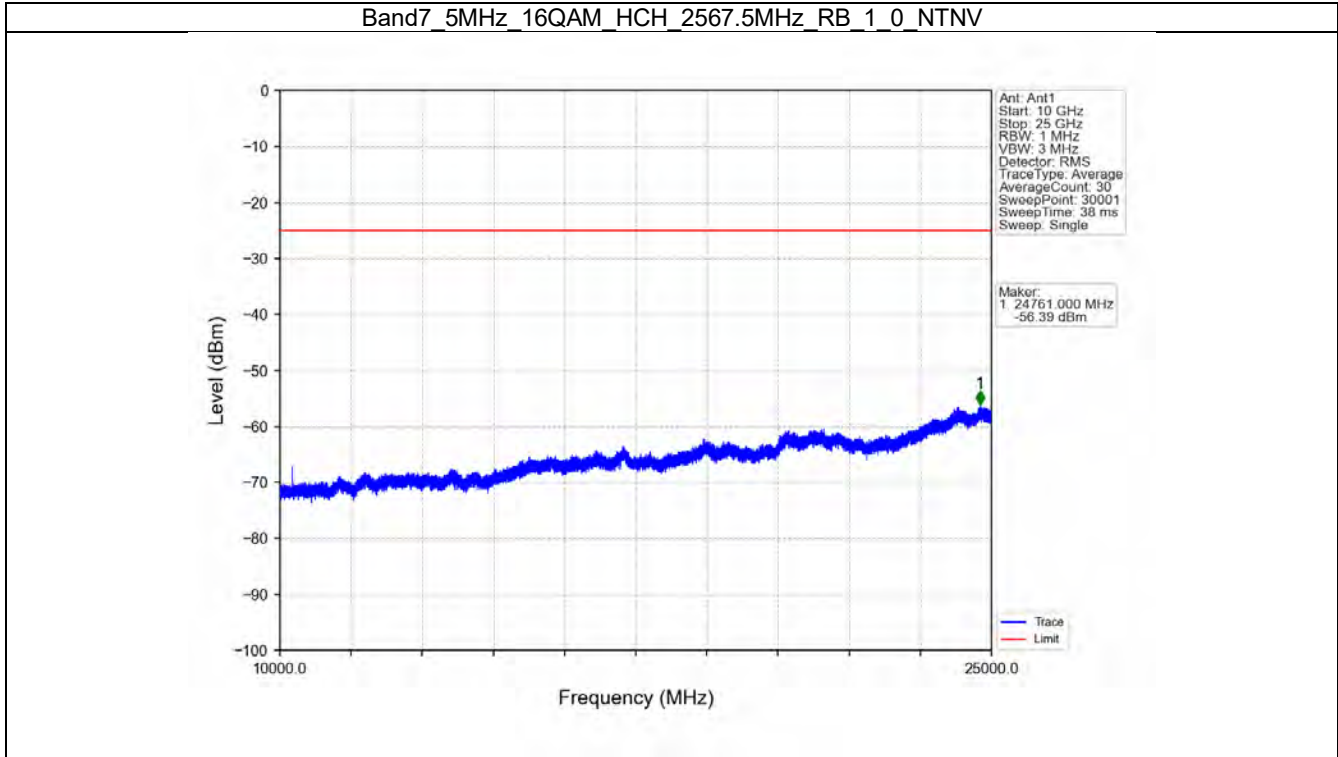


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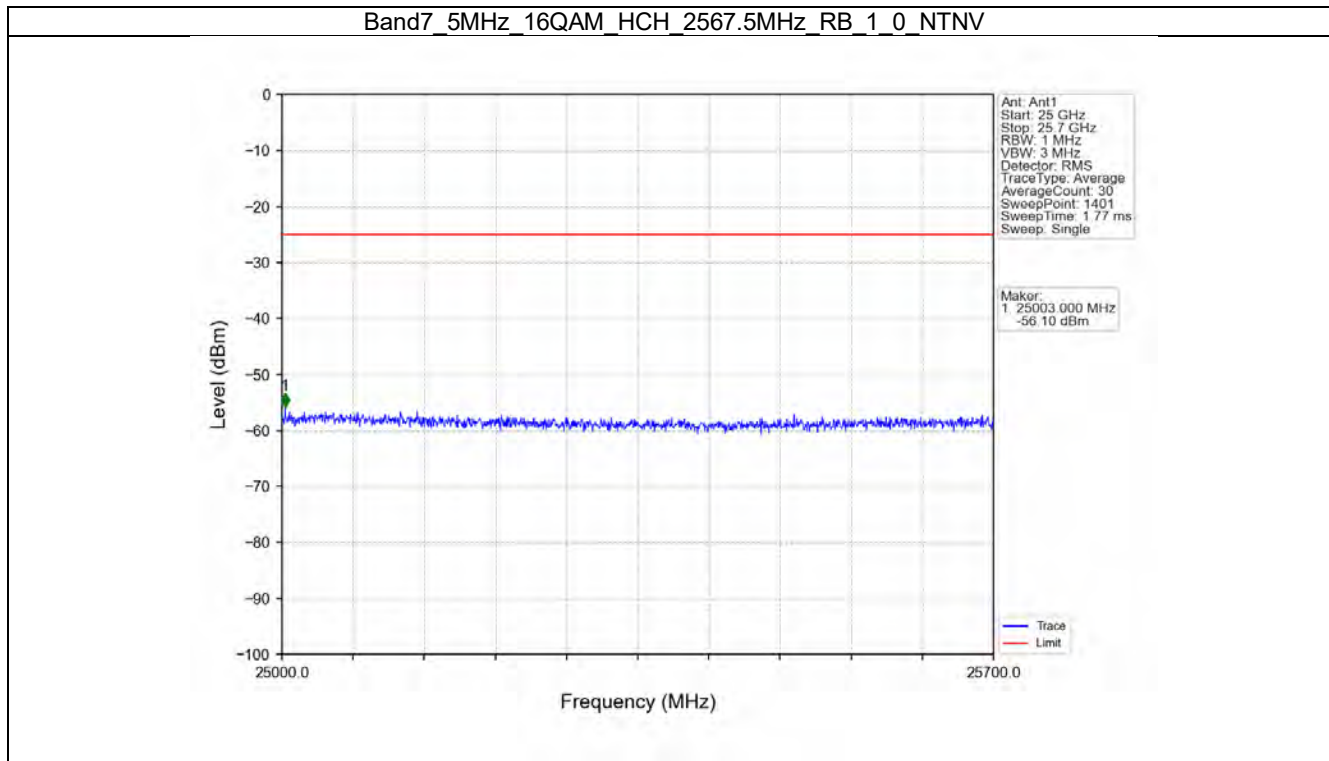
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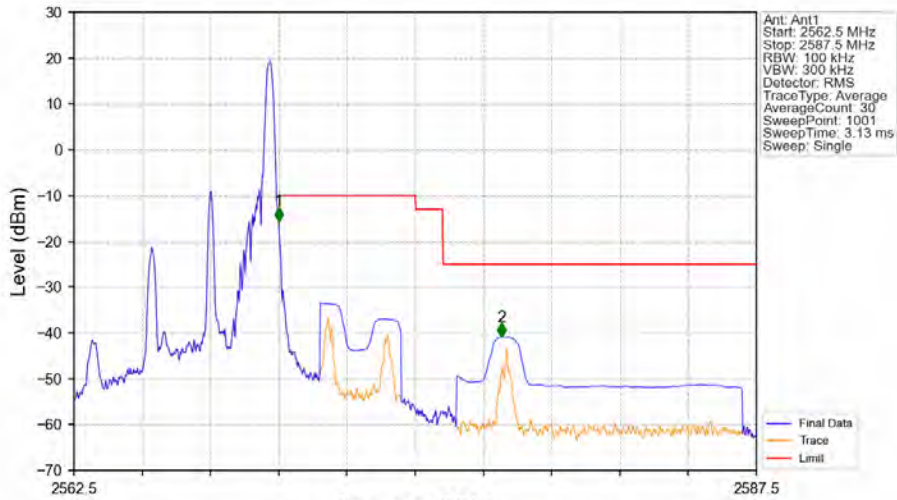
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Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.000	-15.62	-10	Pass
2571	2587.5	1	CHP	2	2578.175	-40.97	-25	Pass



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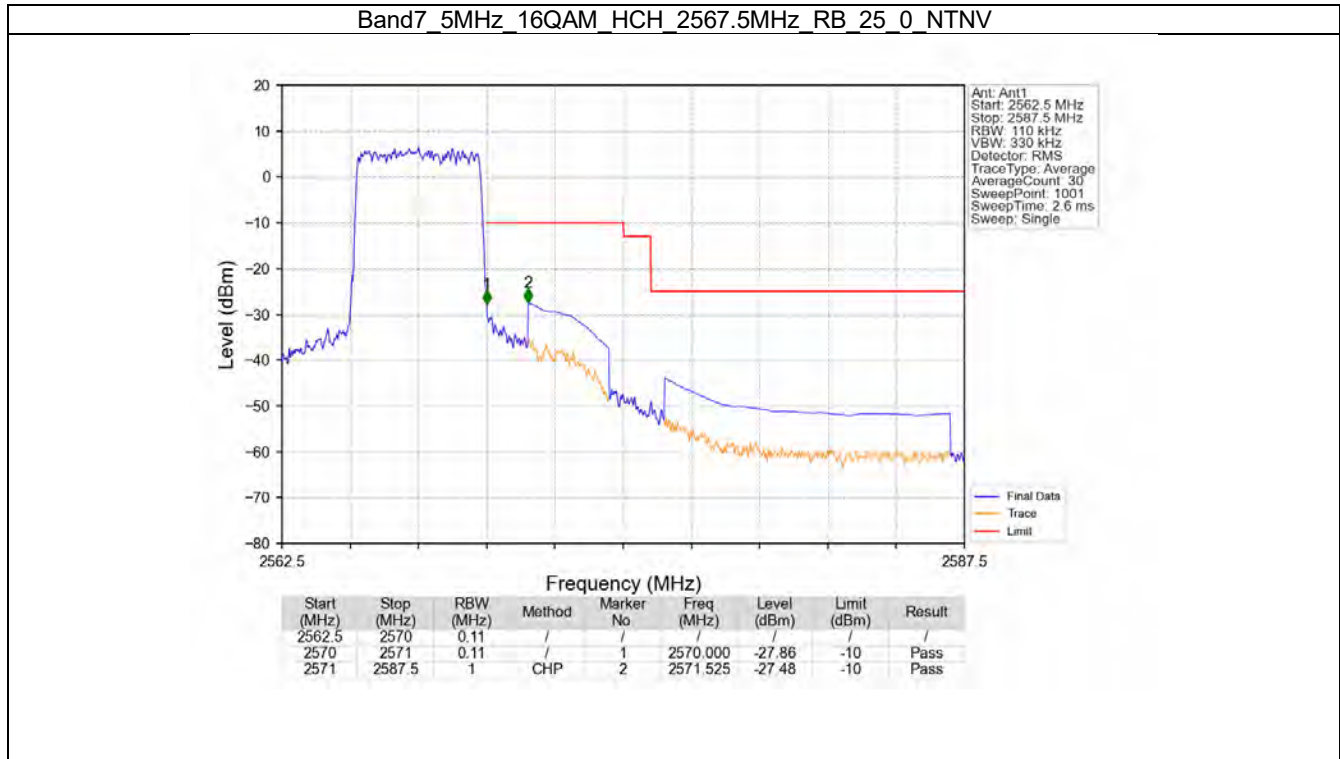


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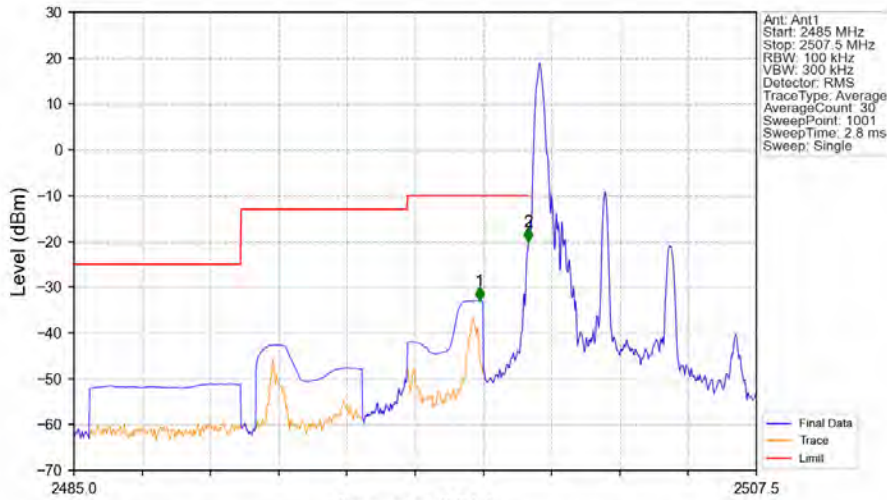
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Band7_5MHz_64QAM_LCH_2502.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.365	-32.96	-10	Pass
2499	2500	0.1	/	2	2499.985	-20.04	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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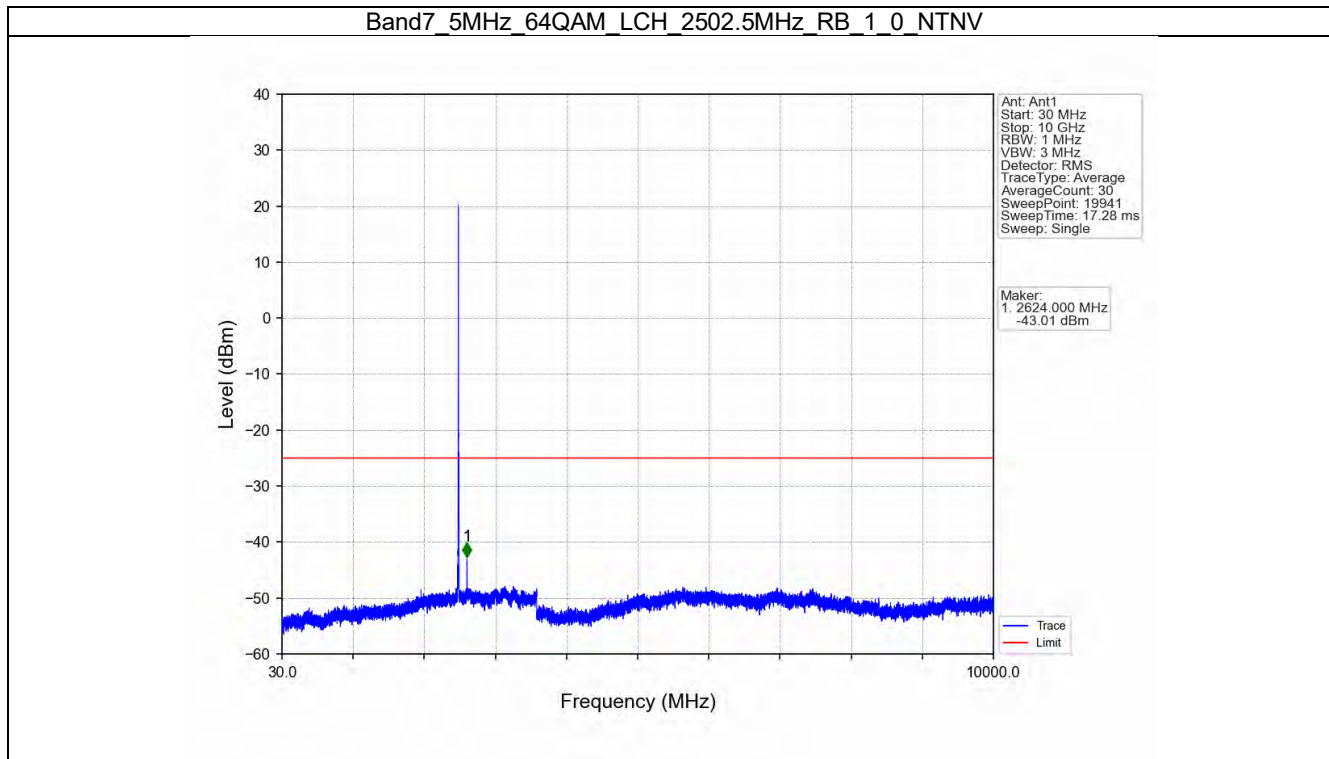
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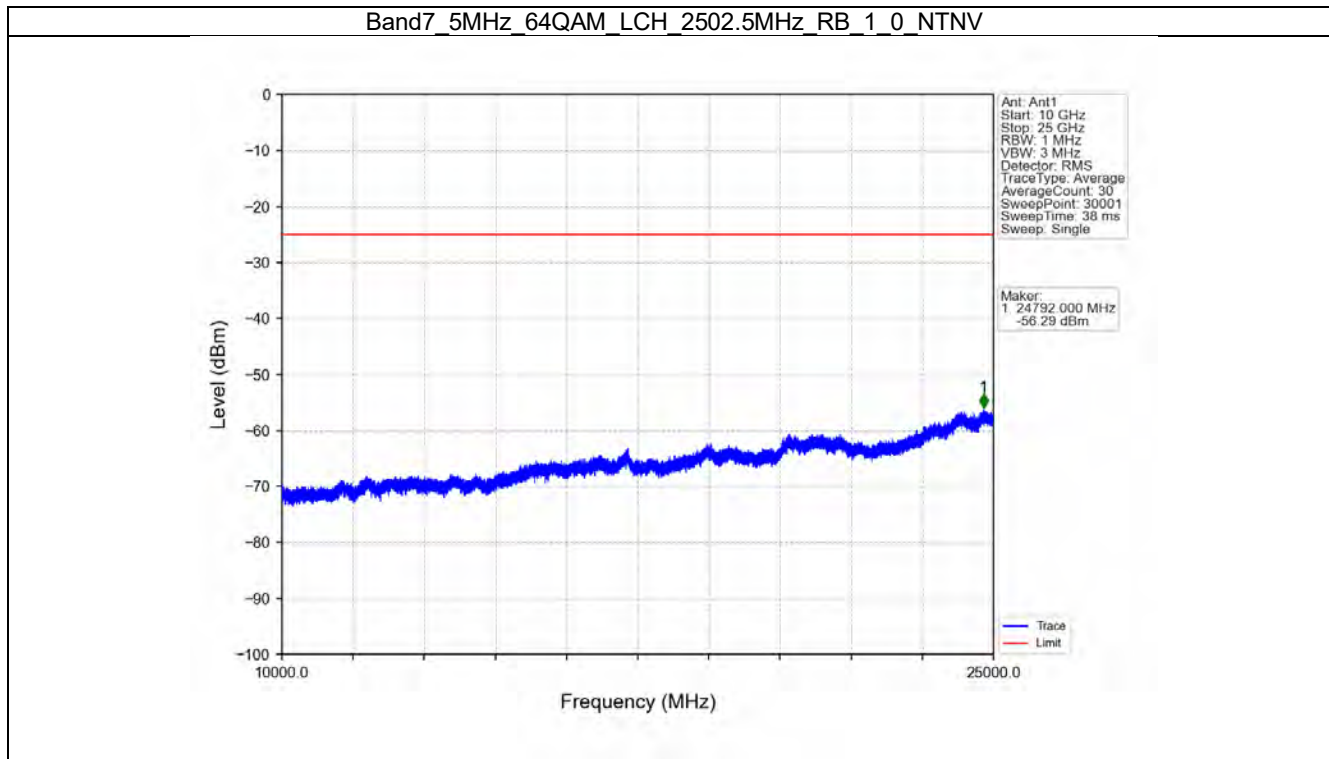
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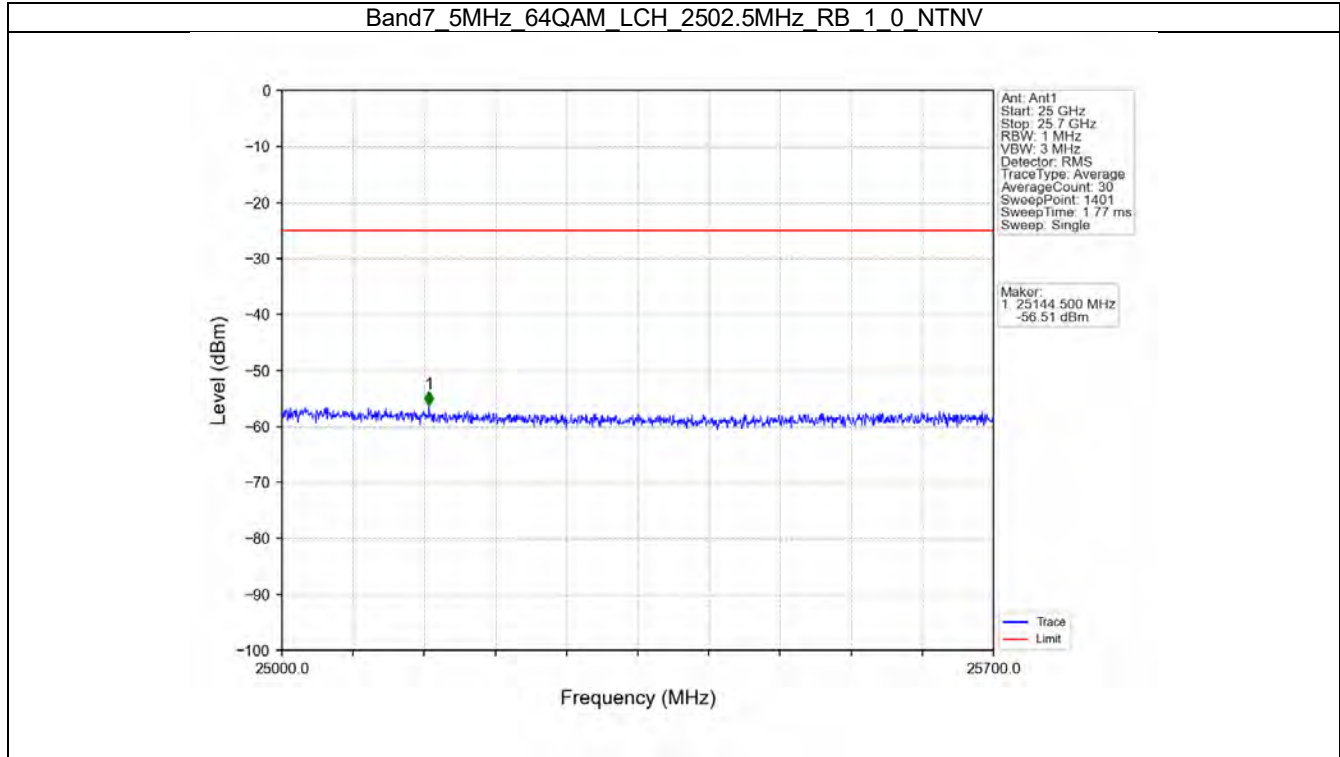


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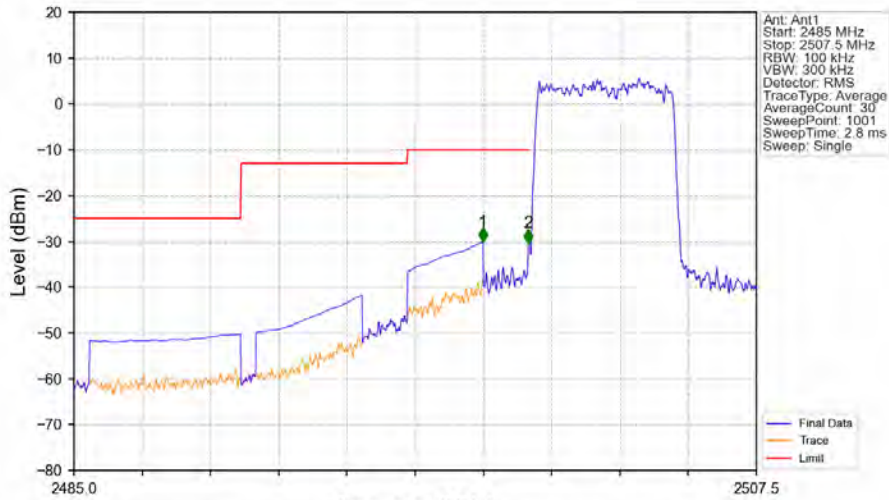
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Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-30.05	-10	Pass
2499	2500	0.1	/	2	2499.985	-30.37	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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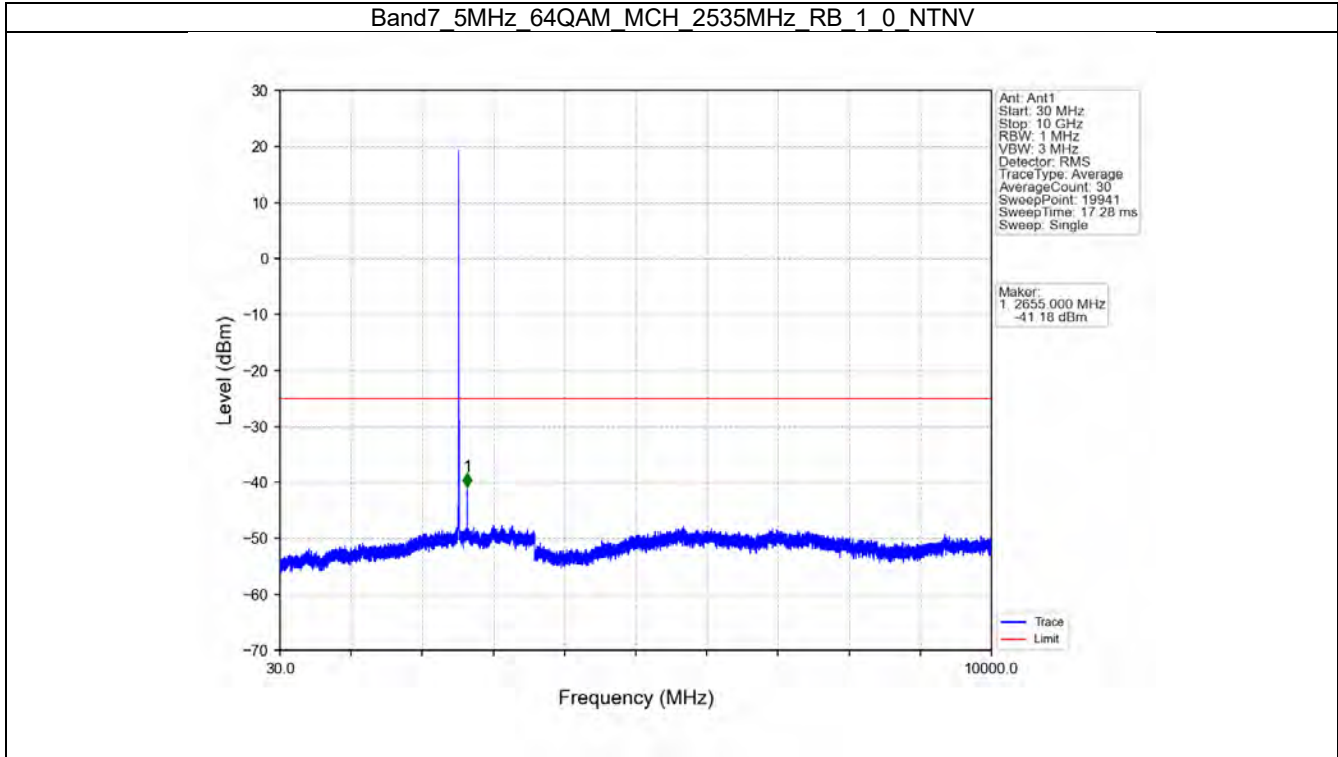


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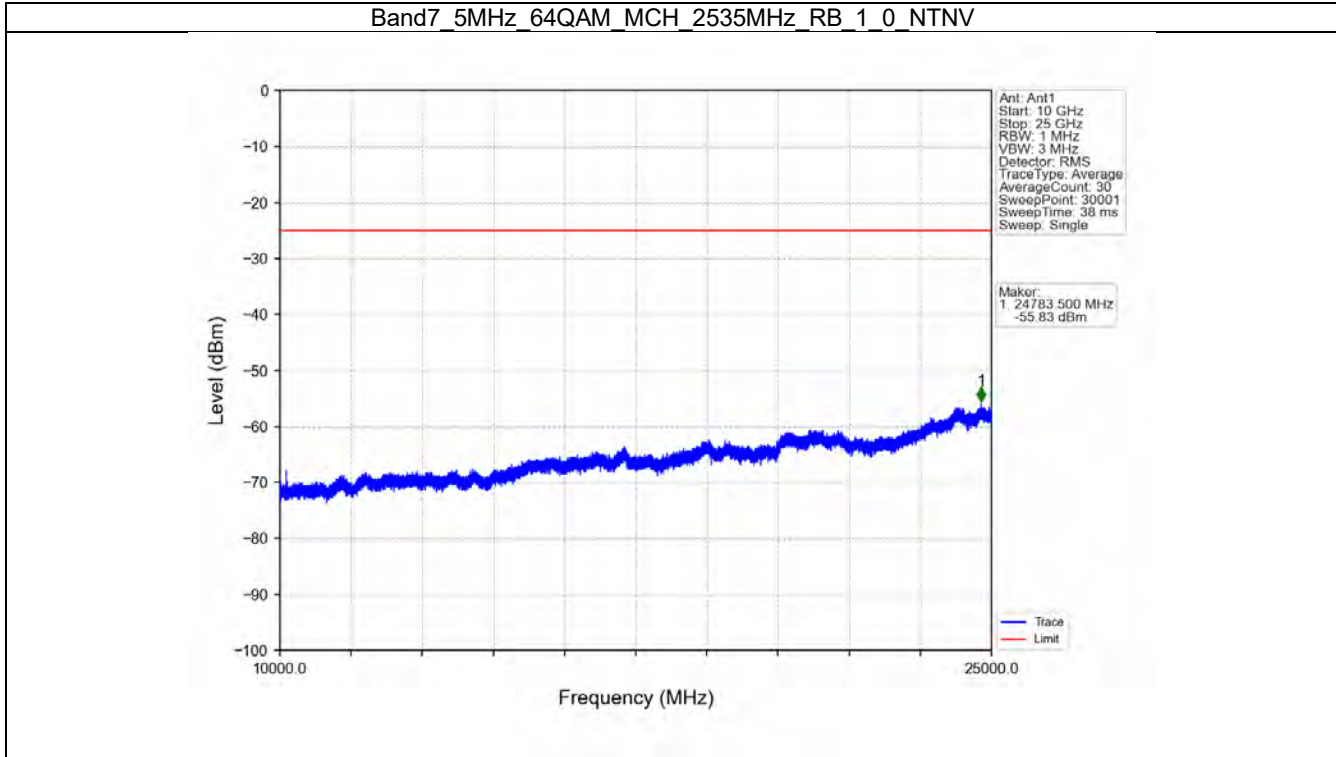
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Band7_5MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



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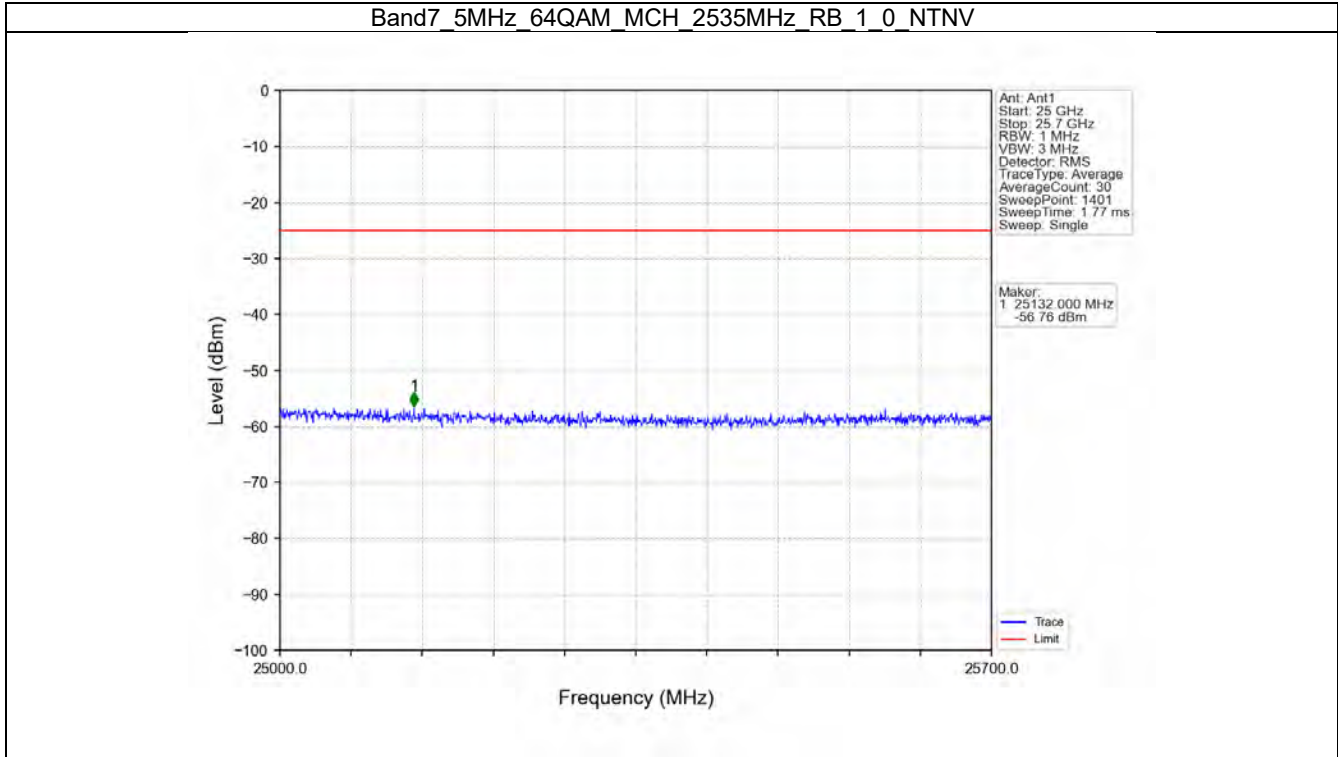


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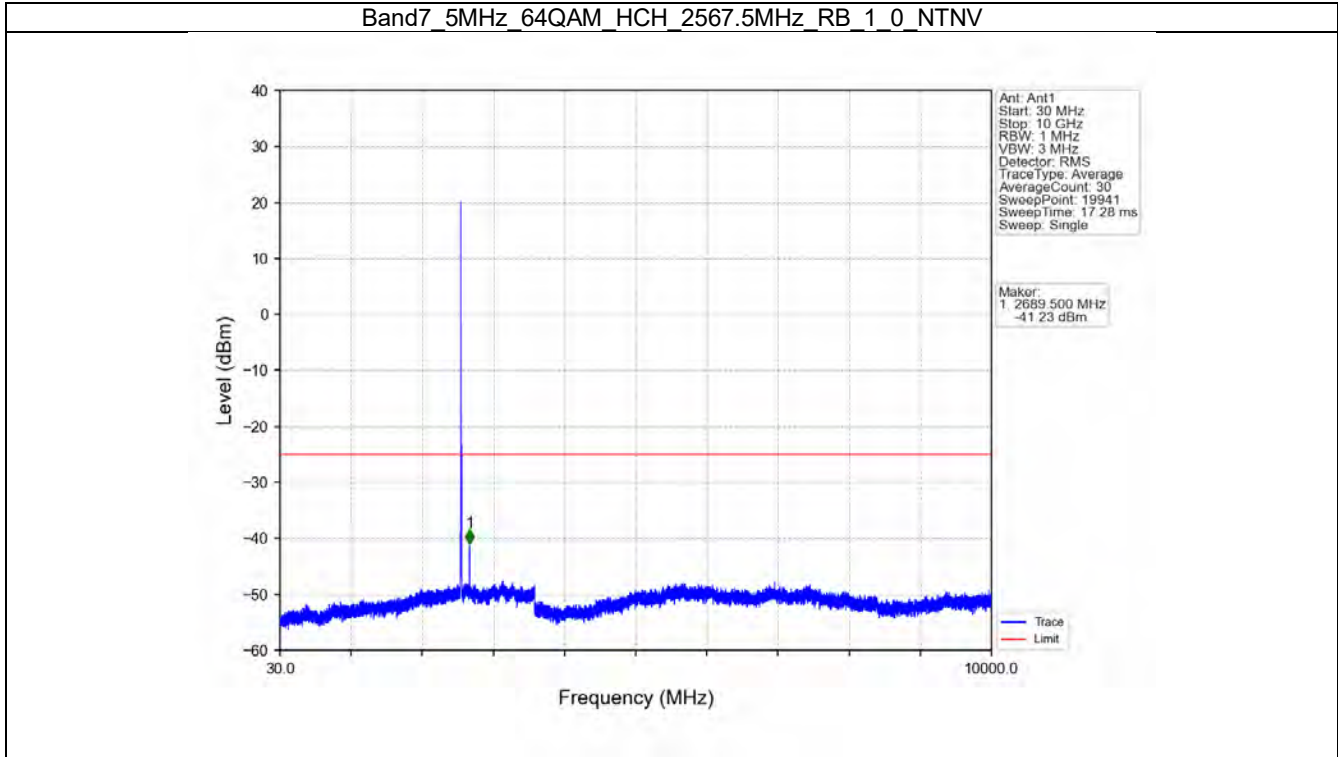


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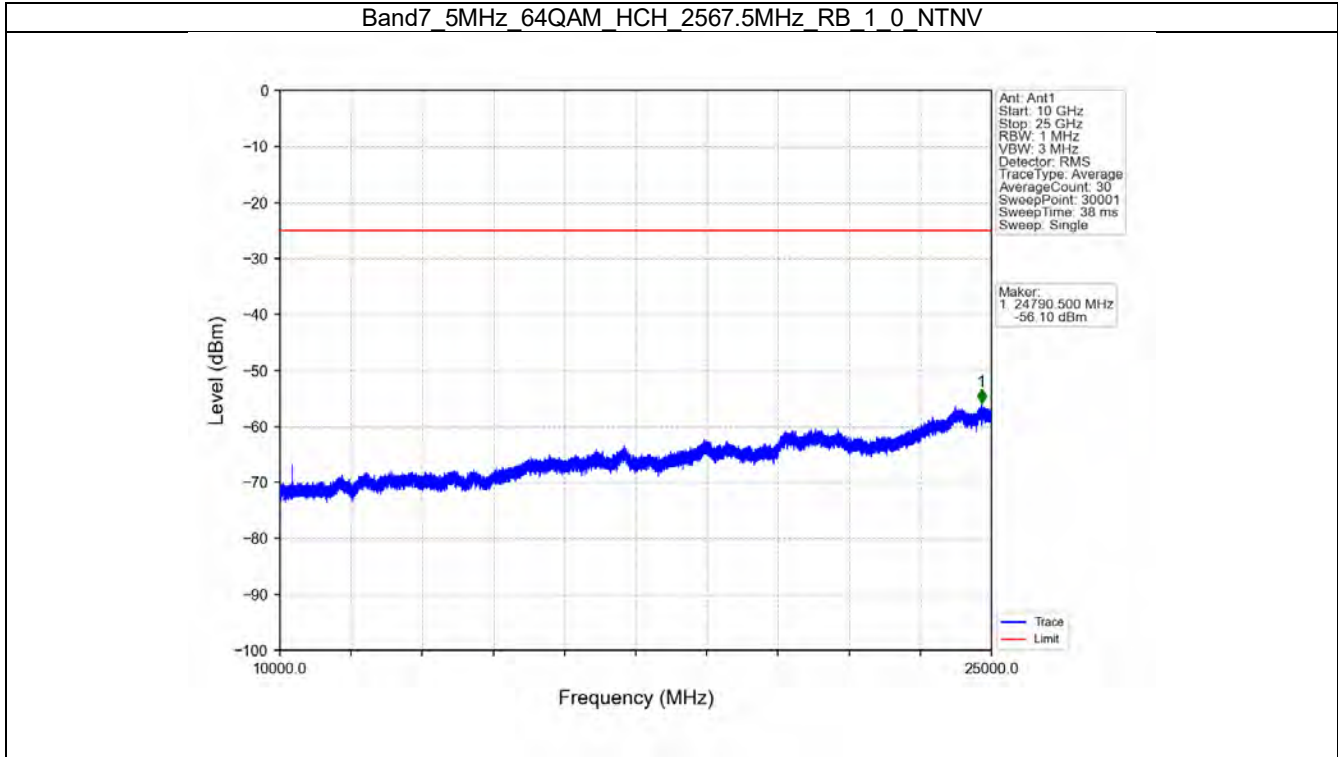


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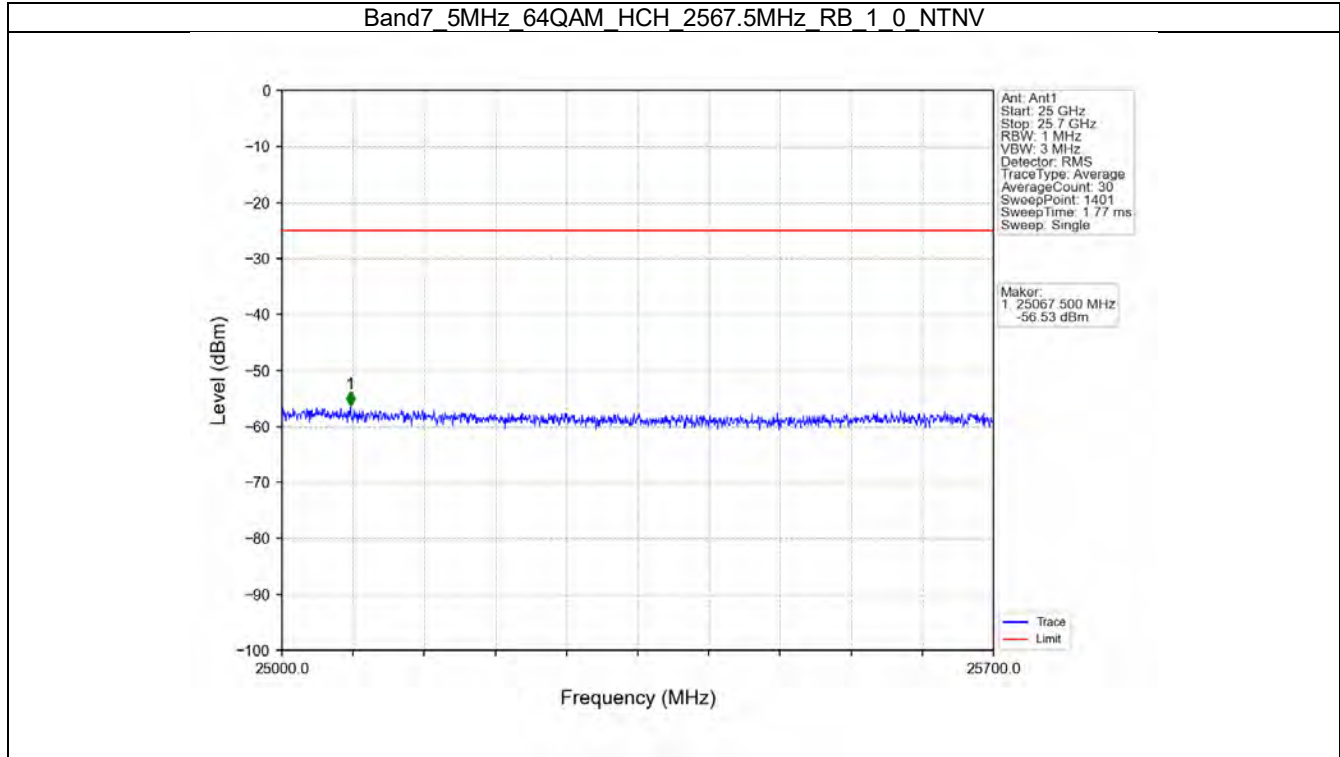


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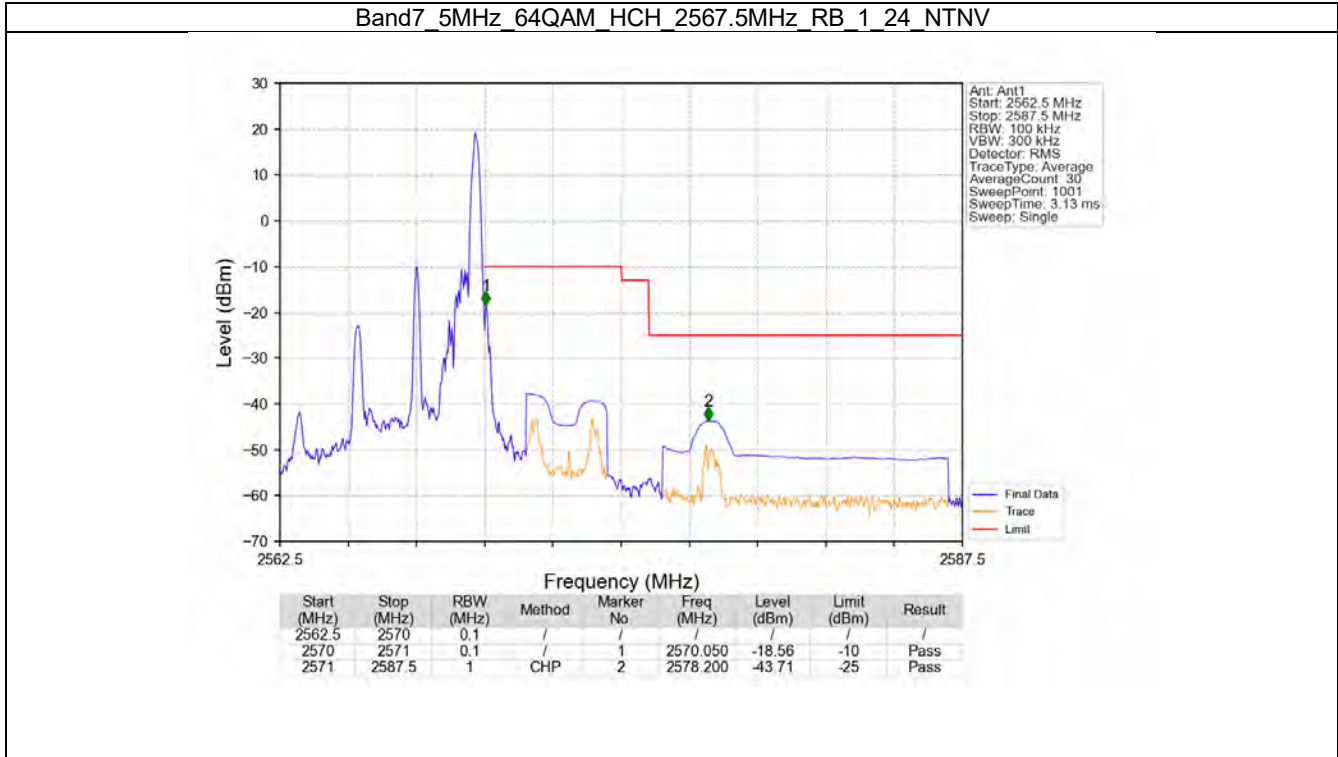


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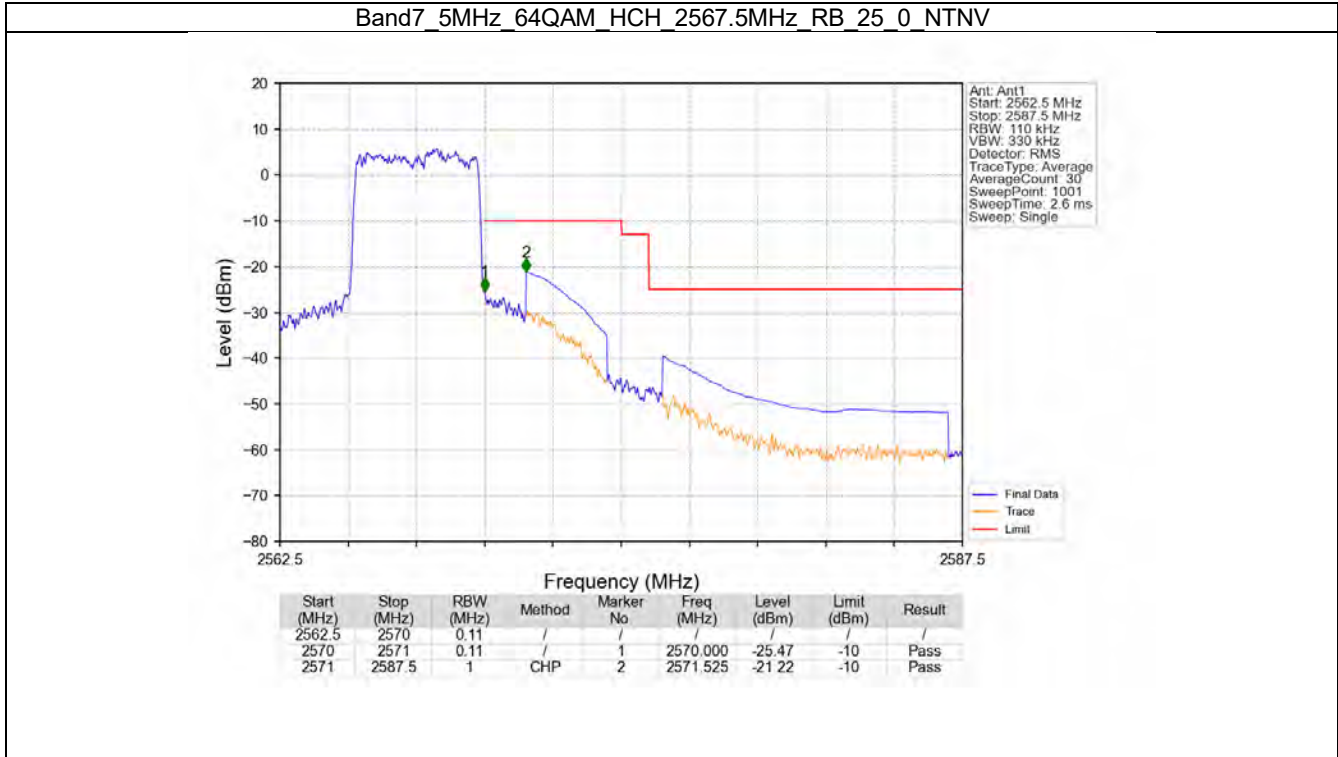


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5.2 B7_10MHz

5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2565	1	0	Refer To Test Graph	Pass	
		1	49	Refer To Test Graph	Pass	
			50	0	Refer To Test Graph	Pass
16QAM	2505	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2565	1	0	Refer To Test Graph	Pass	
		1	49	Refer To Test Graph	Pass	
			50	0	Refer To Test Graph	Pass
64QAM	2505	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2565	1	0	Refer To Test Graph	Pass	
		1	49	Refer To Test Graph	Pass	
			50	0	Refer To Test Graph	Pass



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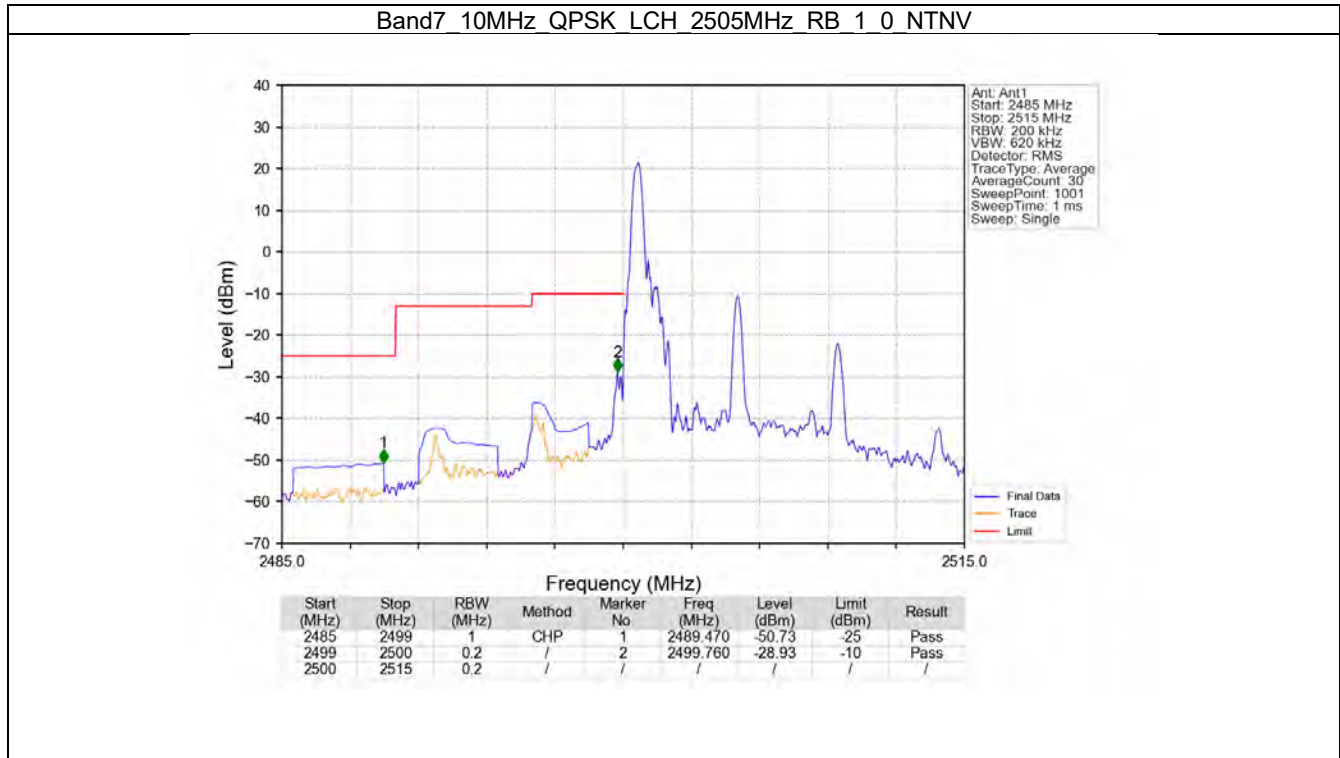
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5.2.2 Test Graph



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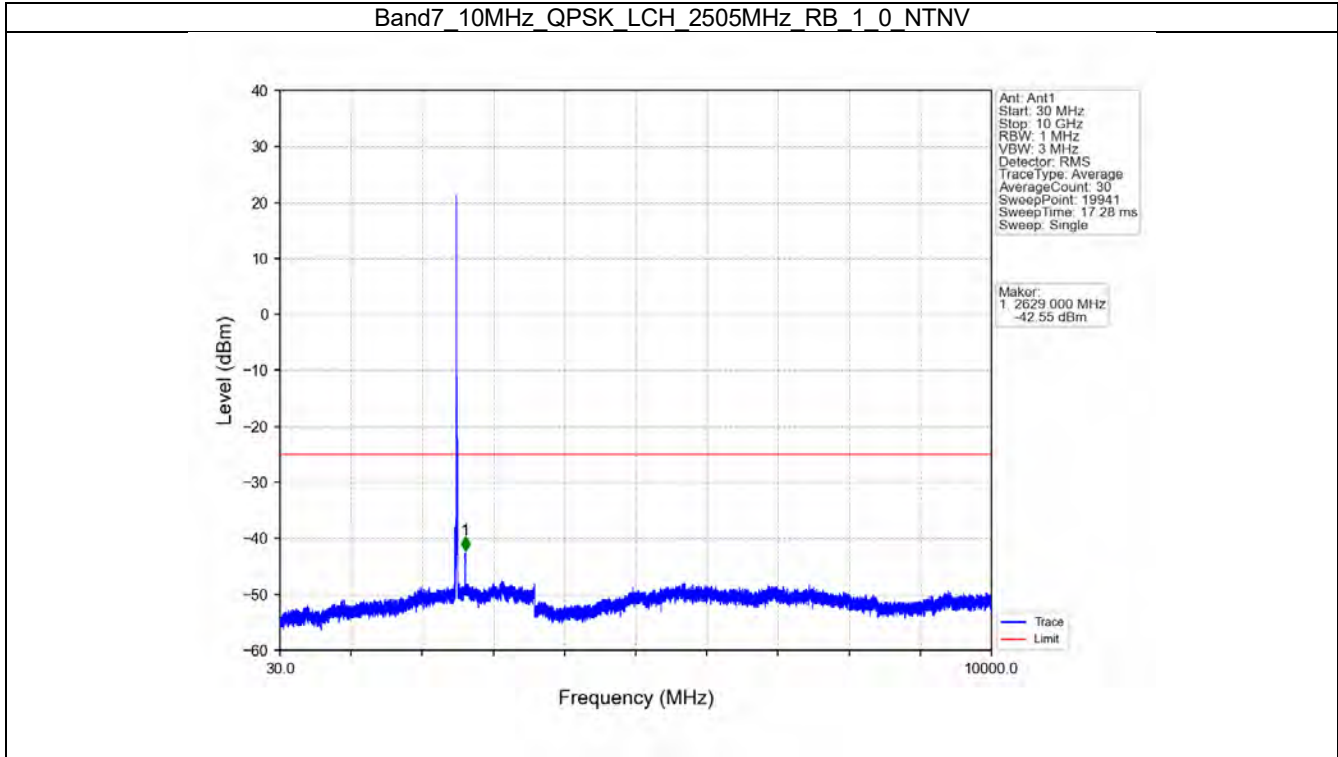


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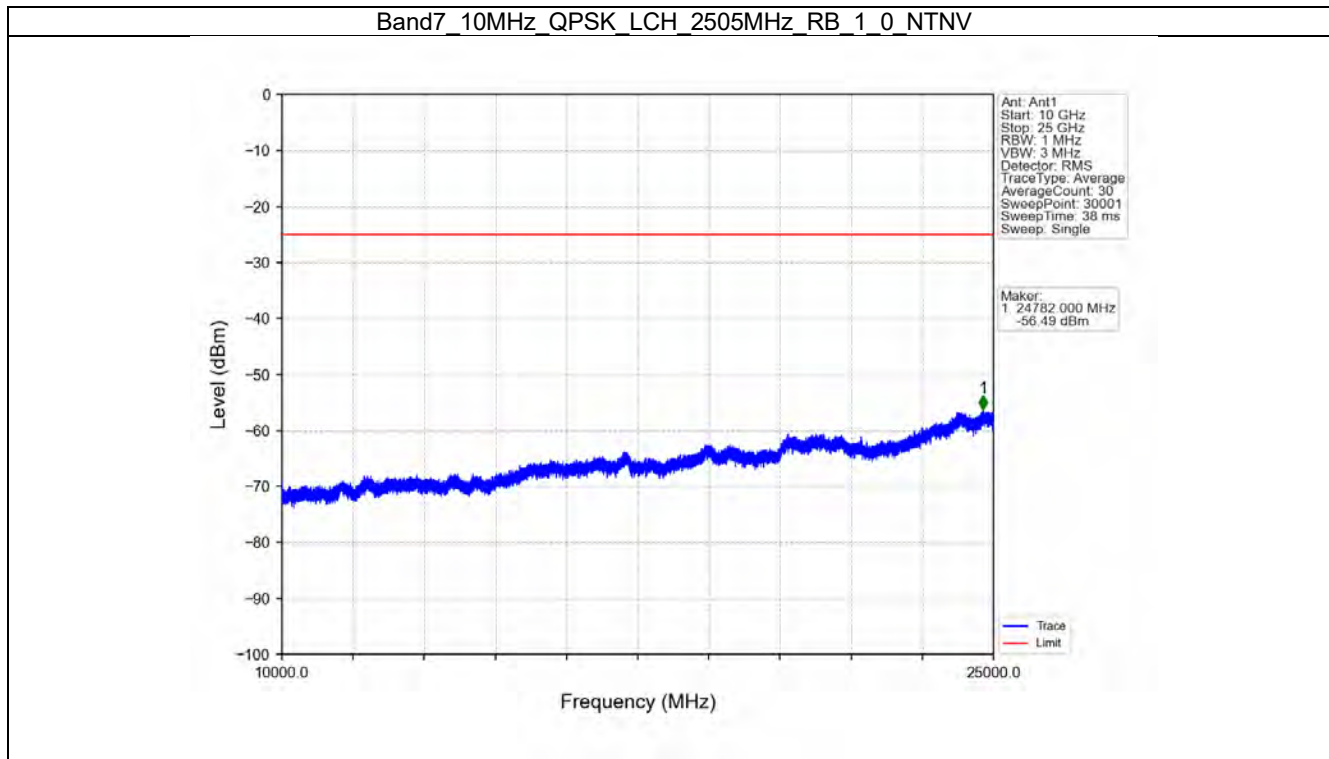
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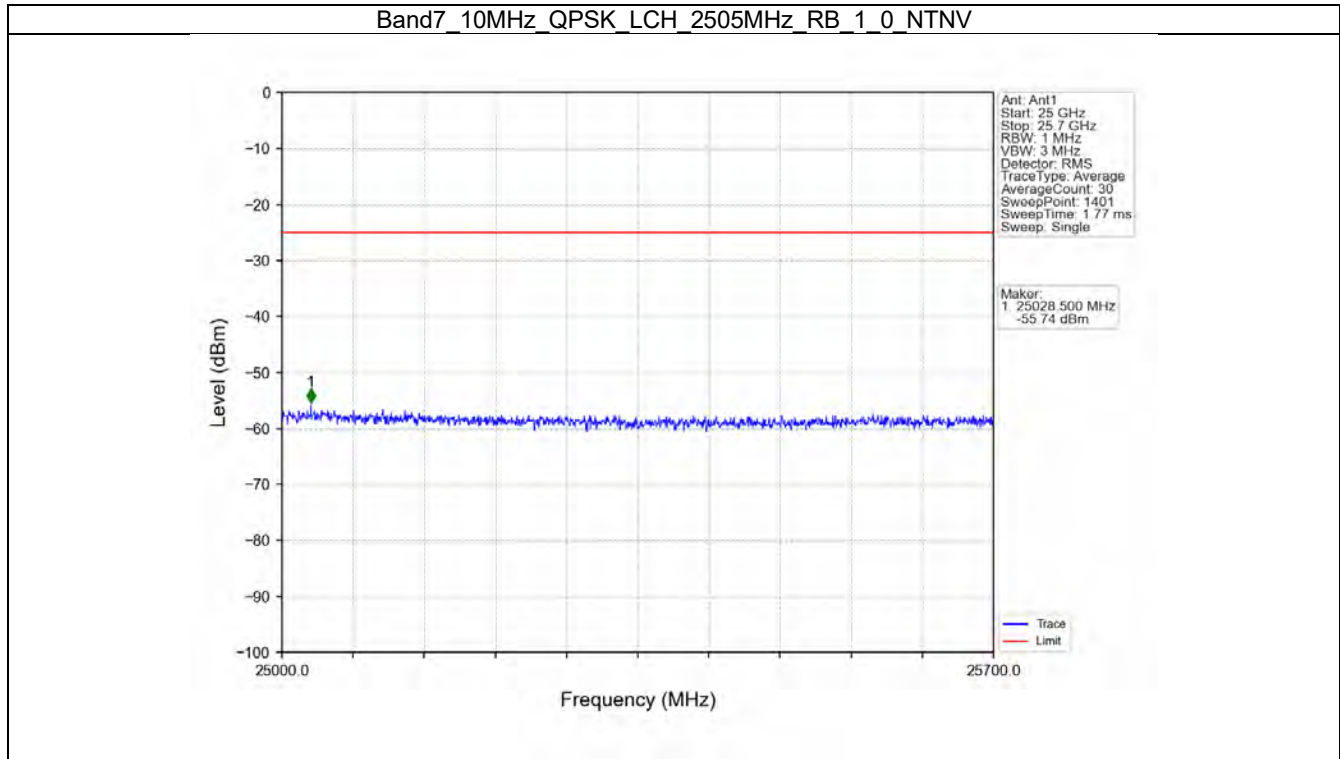


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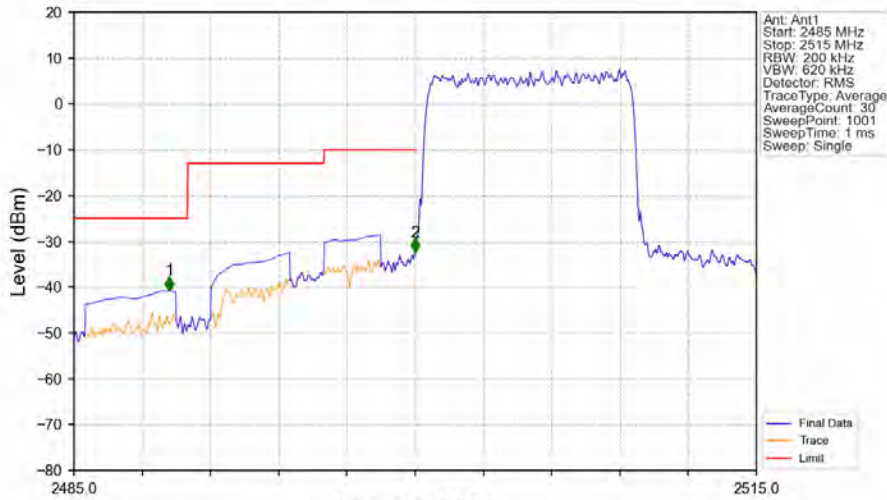
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Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.200	-40.77	-25	Pass
2499	2500	0.2	/	2	2500.000	-32.39	-10	Pass
2500	2515	0.2	/	/	/	/	/	/



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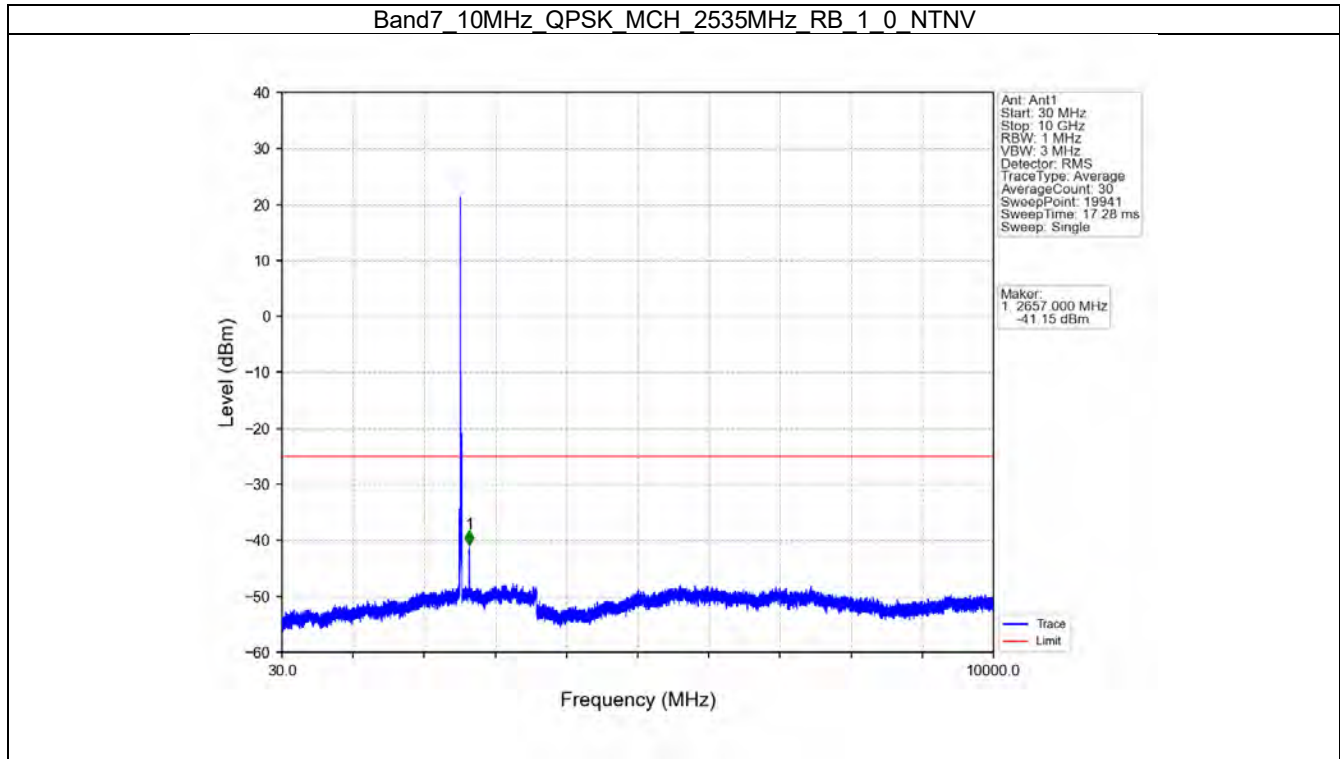


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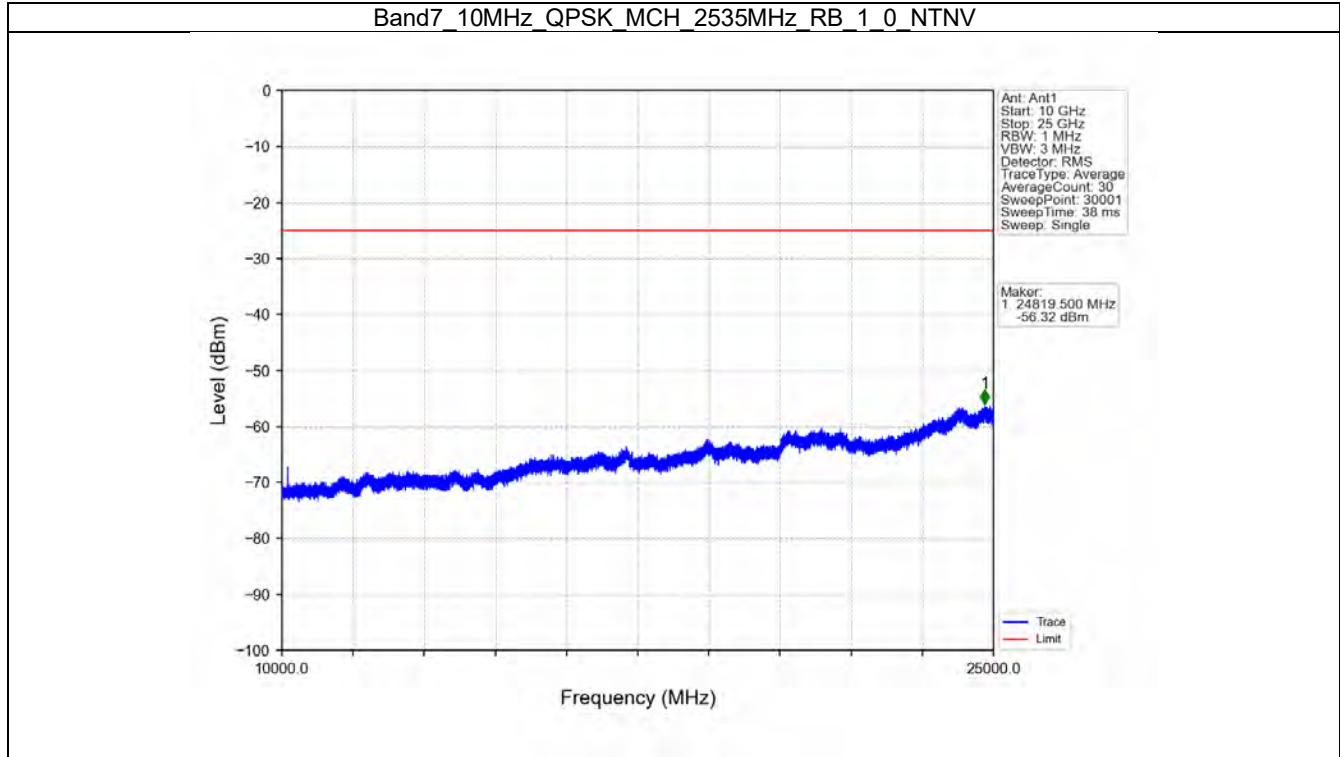


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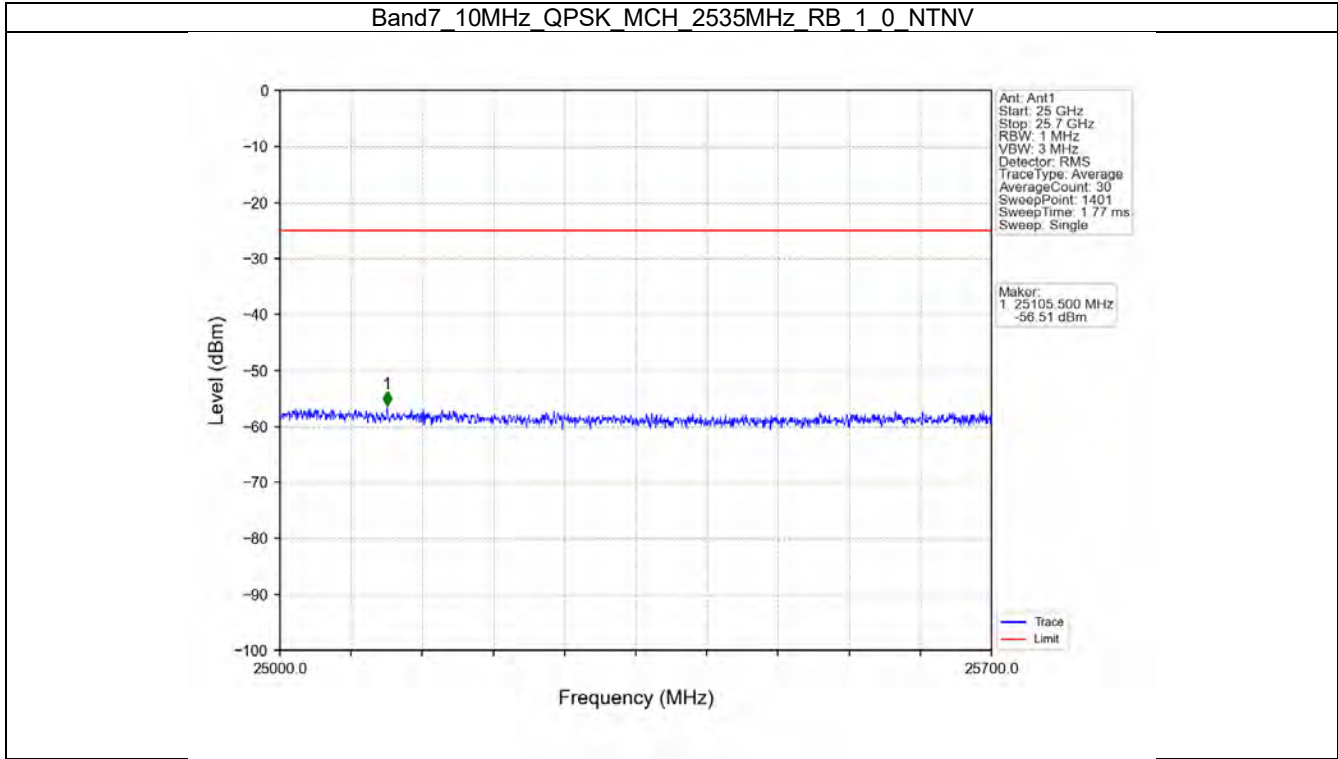


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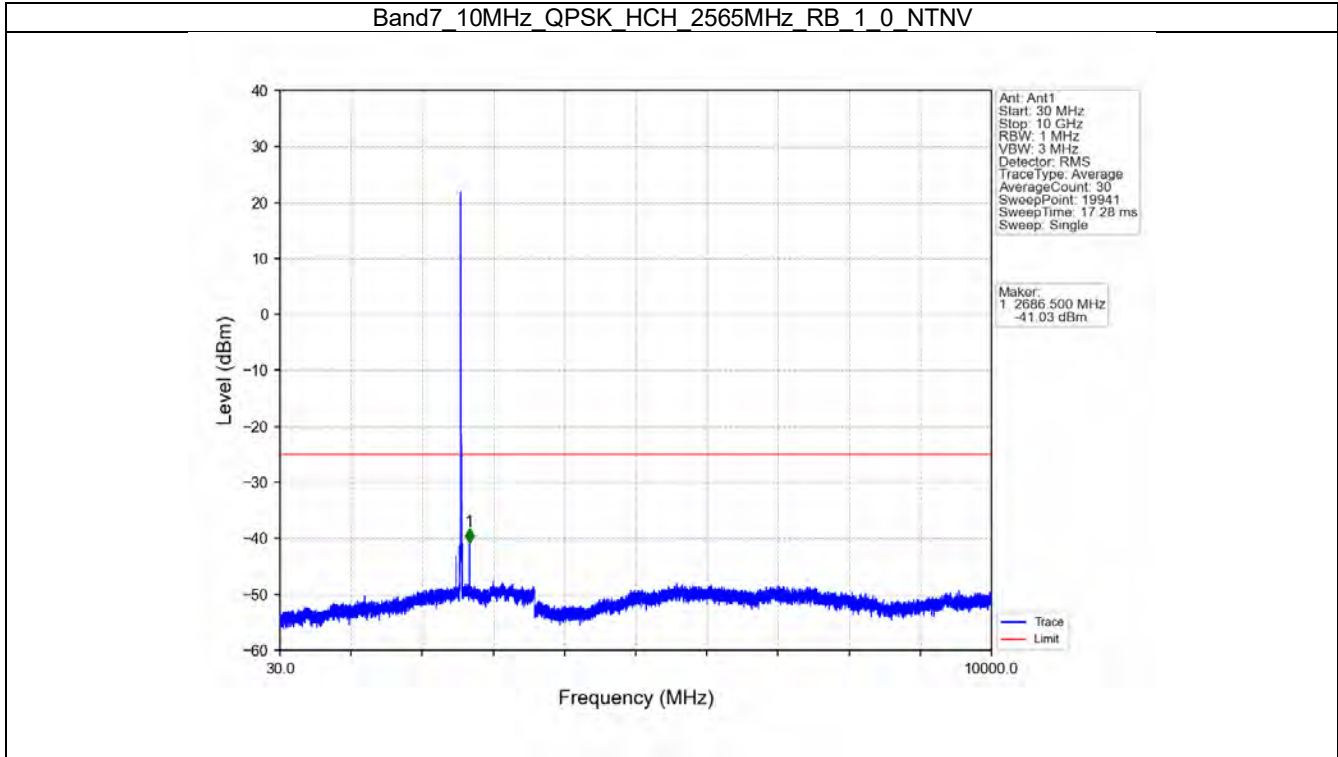


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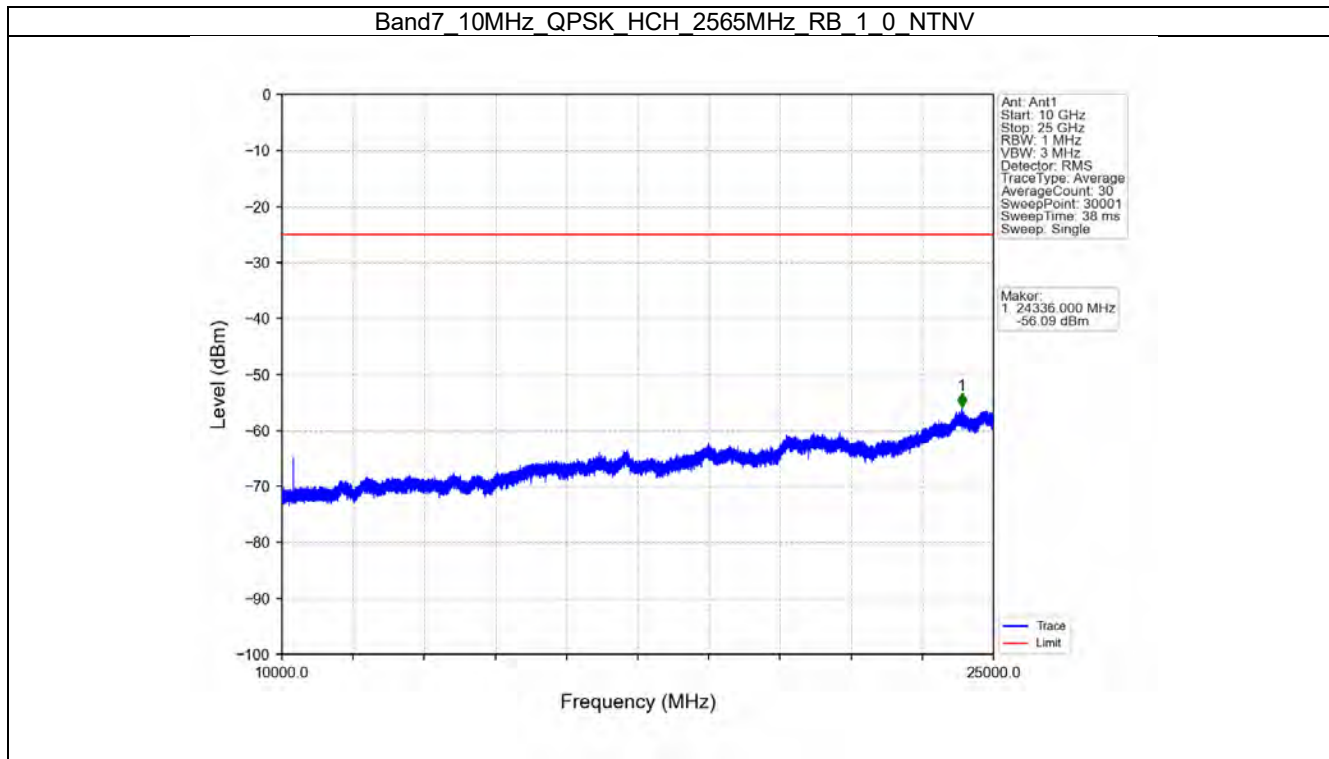
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