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Appendix B.10

LTE Band 7



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1. Effective (Isotropic) Radiated Power Output Data

Ant12

1.1 B7_5MHz_EIRP

1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2502.5	1	0	23.08	0.19	23.27	<=33.01	Pass		
			13	23.15	0.19	23.34	<=33.01	Pass		
			24	23.05	0.19	23.24	<=33.01	Pass		
		12	0	22.06	0.19	22.25	<=33.01	Pass		
			6	22.10	0.19	22.29	<=33.01	Pass		
			13	22.08	0.19	22.27	<=33.01	Pass		
		25	0	22.06	0.19	22.25	<=33.01	Pass		
		2535	1	0	22.98	0.19	23.17	<=33.01	Pass	
				13	23.02	0.19	23.21	<=33.01	Pass	
	24			23.00	0.19	23.19	<=33.01	Pass		
	12		0	21.92	0.19	22.11	<=33.01	Pass		
			6	22.01	0.19	22.20	<=33.01	Pass		
			13	22.02	0.19	22.21	<=33.01	Pass		
	25		0	21.90	0.19	22.09	<=33.01	Pass		
	2567.5		1	0	22.88	0.19	23.07	<=33.01	Pass	
				13	22.97	0.19	23.16	<=33.01	Pass	
		24		22.82	0.19	23.01	<=33.01	Pass		
		12	0	21.90	0.19	22.09	<=33.01	Pass		
			6	21.90	0.19	22.09	<=33.01	Pass		
			13	21.90	0.19	22.09	<=33.01	Pass		
		25	0	21.89	0.19	22.08	<=33.01	Pass		
		16QAM	2502.5	1	0	22.18	0.19	22.37	<=33.01	Pass
					13	22.24	0.19	22.43	<=33.01	Pass
	24				22.11	0.19	22.30	<=33.01	Pass	
12	0			20.98	0.19	21.17	<=33.01	Pass		
	6			21.10	0.19	21.29	<=33.01	Pass		
	13			21.06	0.19	21.25	<=33.01	Pass		
25	0			21.10	0.19	21.29	<=33.01	Pass		
2535	1			0	22.12	0.19	22.31	<=33.01	Pass	
				13	22.20	0.19	22.39	<=33.01	Pass	
			24	22.10	0.19	22.29	<=33.01	Pass		
	12		0	21.02	0.19	21.21	<=33.01	Pass		
			6	20.98	0.19	21.17	<=33.01	Pass		
			13	21.07	0.19	21.26	<=33.01	Pass		
	25		0	20.91	0.19	21.10	<=33.01	Pass		



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	2567.5	1	0	22.07	0.19	22.26	<=33.01	Pass		
			13	22.11	0.19	22.30	<=33.01	Pass		
			24	22.08	0.19	22.27	<=33.01	Pass		
		12	0	20.90	0.19	21.09	<=33.01	Pass		
			6	20.87	0.19	21.06	<=33.01	Pass		
			13	21.04	0.19	21.23	<=33.01	Pass		
		25	0	20.92	0.19	21.11	<=33.01	Pass		
		64QAM	2502.5	1	0	21.27	0.19	21.46	<=33.01	Pass
					13	21.31	0.19	21.50	<=33.01	Pass
24	21.26				0.19	21.45	<=33.01	Pass		
12	0			20.10	0.19	20.29	<=33.01	Pass		
	6			20.12	0.19	20.31	<=33.01	Pass		
	13			20.06	0.19	20.25	<=33.01	Pass		
25	0			20.04	0.19	20.23	<=33.01	Pass		
2535	1			0	21.01	0.19	21.20	<=33.01	Pass	
				13	21.11	0.19	21.30	<=33.01	Pass	
			24	21.01	0.19	21.20	<=33.01	Pass		
	12		0	19.97	0.19	20.16	<=33.01	Pass		
			6	20.07	0.19	20.26	<=33.01	Pass		
			13	20.01	0.19	20.20	<=33.01	Pass		
	25		0	19.89	0.19	20.08	<=33.01	Pass		
	2567.5		1	0	21.06	0.19	21.25	<=33.01	Pass	
				13	21.06	0.19	21.25	<=33.01	Pass	
24				20.91	0.19	21.10	<=33.01	Pass		
12			0	19.89	0.19	20.08	<=33.01	Pass		
			6	19.89	0.19	20.08	<=33.01	Pass		
			13	19.89	0.19	20.08	<=33.01	Pass		
25			0	19.87	0.19	20.06	<=33.01	Pass		

1.2 B7_10MHz_EIRP

1.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	23.00	0.19	23.19	<=33.01	Pass
			25	23.03	0.19	23.22	<=33.01	Pass
			49	23.02	0.19	23.21	<=33.01	Pass
		25	0	22.06	0.19	22.25	<=33.01	Pass
			13	22.10	0.19	22.29	<=33.01	Pass
			25	22.05	0.19	22.24	<=33.01	Pass
	50	0	22.04	0.19	22.23	<=33.01	Pass	
	2535	1	0	23.02	0.19	23.21	<=33.01	Pass
			25	23.00	0.19	23.19	<=33.01	Pass
			49	22.97	0.19	23.16	<=33.01	Pass



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		25	0	21.95	0.19	22.14	<=33.01	Pass	
			13	21.97	0.19	22.16	<=33.01	Pass	
			25	21.99	0.19	22.18	<=33.01	Pass	
		50	0	21.93	0.19	22.12	<=33.01	Pass	
			1	22.91	0.19	23.10	<=33.01	Pass	
			25	22.92	0.19	23.11	<=33.01	Pass	
	2565	1	49	22.82	0.19	23.01	<=33.01	Pass	
			0	21.92	0.19	22.11	<=33.01	Pass	
			13	21.92	0.19	22.11	<=33.01	Pass	
		25	25	21.89	0.19	22.08	<=33.01	Pass	
			50	0	21.88	0.19	22.07	<=33.01	Pass
			1	0	22.18	0.19	22.37	<=33.01	Pass
16QAM	2505	1	25	22.28	0.19	22.47	<=33.01	Pass	
			49	22.20	0.19	22.39	<=33.01	Pass	
			0	21.08	0.19	21.27	<=33.01	Pass	
		25	13	21.10	0.19	21.29	<=33.01	Pass	
			25	21.07	0.19	21.26	<=33.01	Pass	
			50	0	21.04	0.19	21.23	<=33.01	Pass
	2535	1	0	22.10	0.19	22.29	<=33.01	Pass	
			25	22.19	0.19	22.38	<=33.01	Pass	
			49	22.07	0.19	22.26	<=33.01	Pass	
		25	0	20.98	0.19	21.17	<=33.01	Pass	
			13	20.97	0.19	21.16	<=33.01	Pass	
			25	21.05	0.19	21.24	<=33.01	Pass	
2565	50	0	20.91	0.19	21.10	<=33.01	Pass		
		1	0	22.05	0.19	22.24	<=33.01	Pass	
		25	21.97	0.19	22.16	<=33.01	Pass		
	1	49	21.94	0.19	22.13	<=33.01	Pass		
		0	20.95	0.19	21.14	<=33.01	Pass		
		13	20.91	0.19	21.10	<=33.01	Pass		
64QAM	2505	25	25	20.87	0.19	21.06	<=33.01	Pass	
			50	0	20.89	0.19	21.08	<=33.01	Pass
			1	0	21.11	0.19	21.30	<=33.01	Pass
		1	25	21.09	0.19	21.28	<=33.01	Pass	
			49	21.03	0.19	21.22	<=33.01	Pass	
			0	20.06	0.19	20.25	<=33.01	Pass	
	2535	25	13	20.08	0.19	20.27	<=33.01	Pass	
			25	20.06	0.19	20.25	<=33.01	Pass	
			50	0	20.09	0.19	20.28	<=33.01	Pass
		1	0	21.23	0.19	21.42	<=33.01	Pass	
			25	21.20	0.19	21.39	<=33.01	Pass	
			49	21.24	0.19	21.43	<=33.01	Pass	
2565	25	0	19.99	0.19	20.18	<=33.01	Pass		
		13	19.96	0.19	20.15	<=33.01	Pass		
		25	20.03	0.19	20.22	<=33.01	Pass		
	1	50	0	19.96	0.19	20.15	<=33.01	Pass	
		0	21.23	0.19	21.42	<=33.01	Pass		
		25	21.24	0.19	21.43	<=33.01	Pass		



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		49	21.06	0.19	21.25	<=33.01	Pass
	25	0	19.93	0.19	20.12	<=33.01	Pass
		13	19.94	0.19	20.13	<=33.01	Pass
		25	19.88	0.19	20.07	<=33.01	Pass
	50	0	19.91	0.19	20.10	<=33.01	Pass

1.3 B7_15MHz_EIRP

1.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2507.5	1	0	22.71	0.19	22.90	<=33.01	Pass		
			38	22.82	0.19	23.01	<=33.01	Pass		
			74	22.77	0.19	22.96	<=33.01	Pass		
		36	0	21.95	0.19	22.14	<=33.01	Pass		
			18	21.97	0.19	22.16	<=33.01	Pass		
			39	21.95	0.19	22.14	<=33.01	Pass		
		75	0	21.96	0.19	22.15	<=33.01	Pass		
		2535	1	0	22.75	0.19	22.94	<=33.01	Pass	
				38	22.81	0.19	23.00	<=33.01	Pass	
	74			22.75	0.19	22.94	<=33.01	Pass		
	36		0	21.85	0.19	22.04	<=33.01	Pass		
			18	21.84	0.19	22.03	<=33.01	Pass		
			39	21.86	0.19	22.05	<=33.01	Pass		
	75		0	21.83	0.19	22.02	<=33.01	Pass		
	2562.5		1	0	22.73	0.19	22.92	<=33.01	Pass	
				38	22.69	0.19	22.88	<=33.01	Pass	
		74		22.62	0.19	22.81	<=33.01	Pass		
		36	0	21.77	0.19	21.96	<=33.01	Pass		
			18	21.82	0.19	22.01	<=33.01	Pass		
			39	21.78	0.19	21.97	<=33.01	Pass		
		75	0	21.76	0.19	21.95	<=33.01	Pass		
		16QAM	2507.5	1	0	21.98	0.19	22.17	<=33.01	Pass
					38	22.04	0.19	22.23	<=33.01	Pass
	74				21.99	0.19	22.18	<=33.01	Pass	
36	0			20.95	0.19	21.14	<=33.01	Pass		
	18			20.98	0.19	21.17	<=33.01	Pass		
	39			20.93	0.19	21.12	<=33.01	Pass		
75	0			20.98	0.19	21.17	<=33.01	Pass		
2535	1			0	22.02	0.19	22.21	<=33.01	Pass	
				38	21.98	0.19	22.17	<=33.01	Pass	
			74	21.88	0.19	22.07	<=33.01	Pass		
	36		0	20.85	0.19	21.04	<=33.01	Pass		
			18	20.81	0.19	21.00	<=33.01	Pass		



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	2562.5	75	39	20.91	0.19	21.10	<=33.01	Pass	
			0	20.84	0.19	21.03	<=33.01	Pass	
			0	21.97	0.19	22.16	<=33.01	Pass	
		36	1	38	21.78	0.19	21.97	<=33.01	Pass
			74	21.82	0.19	22.01	<=33.01	Pass	
			0	20.74	0.19	20.93	<=33.01	Pass	
	64QAM	2507.5	1	75	20.74	0.19	20.93	<=33.01	Pass
				0	21.03	0.19	21.22	<=33.01	Pass
				38	21.06	0.19	21.25	<=33.01	Pass
			36	74	21.04	0.19	21.23	<=33.01	Pass
				0	19.96	0.19	20.15	<=33.01	Pass
				18	19.98	0.19	20.17	<=33.01	Pass
2535	1	39	20.00	0.19	20.19	<=33.01	Pass		
		75	19.97	0.19	20.16	<=33.01	Pass		
		0	21.04	0.19	21.23	<=33.01	Pass		
	36	1	38	21.00	0.19	21.19	<=33.01	Pass	
		74	20.88	0.19	21.07	<=33.01	Pass		
		0	19.80	0.19	19.99	<=33.01	Pass		
2562.5	1	75	19.81	0.19	20.00	<=33.01	Pass		
		0	20.84	0.19	21.03	<=33.01	Pass		
		38	20.86	0.19	21.05	<=33.01	Pass		
	36	74	20.80	0.19	20.99	<=33.01	Pass		
		0	19.74	0.19	19.93	<=33.01	Pass		
		18	19.83	0.19	20.02	<=33.01	Pass		
75	39	19.73	0.19	19.92	<=33.01	Pass			
	0	19.74	0.19	19.93	<=33.01	Pass			

1.4 B7_20MHz_EIRP

1.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.85	0.19	23.04	<=33.01	Pass
			50	22.88	0.19	23.07	<=33.01	Pass
			99	22.77	0.19	22.96	<=33.01	Pass
		50	0	22.00	0.19	22.19	<=33.01	Pass
			25	22.00	0.19	22.19	<=33.01	Pass
			50	21.96	0.19	22.15	<=33.01	Pass
	2535	1	0	21.99	0.19	22.18	<=33.01	Pass
			0	22.80	0.19	22.99	<=33.01	Pass



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16QAM	2560	50	50	22.80	0.19	22.99	<=33.01	Pass	
			99	22.69	0.19	22.88	<=33.01	Pass	
			0	21.90	0.19	22.09	<=33.01	Pass	
			25	21.84	0.19	22.03	<=33.01	Pass	
			50	21.87	0.19	22.06	<=33.01	Pass	
			100	0	21.84	0.19	22.03	<=33.01	Pass
		1	0	22.70	0.19	22.89	<=33.01	Pass	
			50	22.72	0.19	22.91	<=33.01	Pass	
			99	22.54	0.19	22.73	<=33.01	Pass	
			0	21.81	0.19	22.00	<=33.01	Pass	
			25	21.77	0.19	21.96	<=33.01	Pass	
			50	21.79	0.19	21.98	<=33.01	Pass	
	2510	1	0	21.97	0.19	22.16	<=33.01	Pass	
			50	22.03	0.19	22.22	<=33.01	Pass	
			99	21.91	0.19	22.10	<=33.01	Pass	
			0	20.99	0.19	21.18	<=33.01	Pass	
			25	21.03	0.19	21.22	<=33.01	Pass	
			50	20.99	0.19	21.18	<=33.01	Pass	
		50	0	20.98	0.19	21.17	<=33.01	Pass	
			0	21.94	0.19	22.13	<=33.01	Pass	
			50	21.91	0.19	22.10	<=33.01	Pass	
			99	21.79	0.19	21.98	<=33.01	Pass	
			0	20.90	0.19	21.09	<=33.01	Pass	
			25	20.88	0.19	21.07	<=33.01	Pass	
2535	1	50	20.90	0.19	21.09	<=33.01	Pass		
		25	20.88	0.19	21.07	<=33.01	Pass		
		50	20.90	0.19	21.09	<=33.01	Pass		
		100	0	20.86	0.19	21.05	<=33.01	Pass	
		0	22.07	0.19	22.26	<=33.01	Pass		
		50	21.95	0.19	22.14	<=33.01	Pass		
	2560	99	21.80	0.19	21.99	<=33.01	Pass		
		0	20.78	0.19	20.97	<=33.01	Pass		
		25	20.77	0.19	20.96	<=33.01	Pass		
		50	20.80	0.19	20.99	<=33.01	Pass		
		100	0	20.77	0.19	20.96	<=33.01	Pass	
		0	20.98	0.19	21.17	<=33.01	Pass		
64QAM	2510	1	50	21.08	0.19	21.27	<=33.01	Pass	
			99	20.98	0.19	21.17	<=33.01	Pass	
			0	19.97	0.19	20.16	<=33.01	Pass	
			25	20.00	0.19	20.19	<=33.01	Pass	
			50	19.95	0.19	20.14	<=33.01	Pass	
			100	0	19.97	0.19	20.16	<=33.01	Pass
		50	0	21.06	0.19	21.25	<=33.01	Pass	
			50	21.05	0.19	21.24	<=33.01	Pass	
			99	20.98	0.19	21.17	<=33.01	Pass	
			0	19.89	0.19	20.08	<=33.01	Pass	
			25	19.84	0.19	20.03	<=33.01	Pass	
			50	19.88	0.19	20.07	<=33.01	Pass	
	2535	1	100	0	19.85	0.19	20.04	<=33.01	Pass



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2560	1	0	20.86	0.19	21.05	<=33.01	Pass
		50	20.83	0.19	21.02	<=33.01	Pass
		99	20.74	0.19	20.93	<=33.01	Pass
	50	0	19.76	0.19	19.95	<=33.01	Pass
		25	19.79	0.19	19.98	<=33.01	Pass
		50	19.81	0.19	20.00	<=33.01	Pass
	100	0	19.70	0.19	19.89	<=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	3.7	-2.157	-0.0009	/	Pass	
					3.91	1.665	0.0007	/	Pass	
					4.4	0.512	0.0002	/	Pass	
				-30	3.91	1.292	0.0005	/	Pass	
					-20	3.91	-0.539	-0.0002	/	Pass
						-10	3.91	0.169	0.0001	/
				0	3.91	-1.032	-0.0004	/	Pass	
					10	3.91	0.257	0.0001	/	Pass
				30	3.91	-0.449	-0.0002	/	Pass	
	40	3.91	1.771	0.0007	/	Pass				
	50	3.91	-1.516	-0.0006	/	Pass				
	2535	25	0	20	3.7	3.415	0.0013	/	Pass	
					3.91	1.948	0.0008	/	Pass	
					4.4	2.359	0.0009	/	Pass	
				-30	3.91	2.167	0.0009	/	Pass	
					-20	3.91	2.642	0.0010	/	Pass
						-10	3.91	3.062	0.0012	/
				0	3.91	2.175	0.0009	/	Pass	
					10	3.91	1.193	0.0005	/	Pass
				30	3.91	4.235	0.0017	/	Pass	
	40	3.91	3.955	0.0016	/	Pass				
	50	3.91	1.312	0.0005	/	Pass				
	2567.5	25	0	20	3.7	0.965	0.0004	/	Pass	
					3.91	1.833	0.0007	/	Pass	
					4.4	1.293	0.0005	/	Pass	
				-30	3.91	0.269	0.0001	/	Pass	
					-20	3.91	1.670	0.0007	/	Pass
-10						3.91	1.347	0.0005	/	Pass
0				3.91	3.161	0.0012	/	Pass		
				10	3.91	0.895	0.0003	/	Pass	
30				3.91	1.935	0.0008	/	Pass		
40	3.91	-0.310	-0.0001	/	Pass					
50	3.91	3.209	0.0012	/	Pass					
16QAM	2502.5	25	0	20	3.7	-1.438	-0.0006	/	Pass	
					3.91	-1.021	-0.0004	/	Pass	



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64QAM	2535	25	0	4.4	-0.777	-0.0003	/	Pass	
				-30	3.91	1.510	0.0006	/	Pass
				-20	3.91	0.264	0.0001	/	Pass
				-10	3.91	-1.359	-0.0005	/	Pass
				0	3.91	-0.030	0.0000	/	Pass
				10	3.91	0.281	0.0001	/	Pass
				30	3.91	0.485	0.0002	/	Pass
				40	3.91	-0.077	0.0000	/	Pass
	50	3.91	-1.966	-0.0008	/	Pass			
	2567.5	25	0	20	3.7	2.454	0.0010	/	Pass
					3.91	0.853	0.0003	/	Pass
					4.4	1.218	0.0005	/	Pass
				-30	3.91	4.848	0.0019	/	Pass
				-20	3.91	2.934	0.0012	/	Pass
				-10	3.91	1.326	0.0005	/	Pass
				0	3.91	2.222	0.0009	/	Pass
				10	3.91	-0.717	-0.0003	/	Pass
	30	3.91	3.007	0.0012	/	Pass			
	40	3.91	3.050	0.0012	/	Pass			
	50	3.91	2.072	0.0008	/	Pass			
	2502.5	25	0	20	3.7	-0.176	-0.0001	/	Pass
					3.91	3.088	0.0012	/	Pass
					4.4	0.797	0.0003	/	Pass
				-30	3.91	1.708	0.0007	/	Pass
				-20	3.91	0.090	0.0000	/	Pass
				-10	3.91	1.070	0.0004	/	Pass
				0	3.91	0.433	0.0002	/	Pass
				10	3.91	0.268	0.0001	/	Pass
30	3.91	-0.521	-0.0002	/	Pass				
40	3.91	-0.369	-0.0001	/	Pass				
50	3.91	-0.167	-0.0001	/	Pass				
2535	25	0	20	3.7	-0.819	-0.0003	/	Pass	
				3.91	1.108	0.0004	/	Pass	
				4.4	-0.183	-0.0001	/	Pass	
			-30	3.91	0.798	0.0003	/	Pass	
			-20	3.91	0.794	0.0003	/	Pass	
			-10	3.91	-0.475	-0.0002	/	Pass	
			0	3.91	-1.108	-0.0004	/	Pass	
			10	3.91	-1.342	-0.0005	/	Pass	
	30	3.91	0.800	0.0003	/	Pass			
	40	3.91	-0.962	-0.0004	/	Pass			
	50	3.91	-1.057	-0.0004	/	Pass			
	25	25	0	20	3.7	2.803	0.0011	/	Pass
3.91					2.257	0.0009	/	Pass	
4.4					3.306	0.0013	/	Pass	
-30					3.91	3.618	0.0014	/	Pass
-20	3.91	3.328	0.0013	/	Pass				
-10	3.91	2.580	0.0010	/	Pass				



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				0	3.91	2.345	0.0009	/	Pass			
				10	3.91	3.137	0.0012	/	Pass			
				30	3.91	2.319	0.0009	/	Pass			
				40	3.91	1.737	0.0007	/	Pass			
				50	3.91	1.527	0.0006	/	Pass			
	2567.5	25	0	20	3.7	2.750	0.0011	/	Pass			
								3.91	0.048	0.0000	/	Pass
								4.4	-0.882	-0.0003	/	Pass
							-30	3.91	0.954	0.0004	/	Pass
							-20	3.91	1.457	0.0006	/	Pass
							-10	3.91	1.159	0.0005	/	Pass
							0	3.91	1.028	0.0004	/	Pass
							10	3.91	1.215	0.0005	/	Pass
							30	3.91	1.778	0.0007	/	Pass
							40	3.91	1.388	0.0005	/	Pass
							50	3.91	3.003	0.0012	/	Pass

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	3.7	2.120	0.0008	/	Pass				
						3.91	-1.007	-0.0004	/	Pass			
						4.4	0.641	0.0003	/	Pass			
							-30	3.91	-0.446	-0.0002	/	Pass	
							-20	3.91	-0.226	-0.0001	/	Pass	
							-10	3.91	0.250	0.0001	/	Pass	
							0	3.91	0.771	0.0003	/	Pass	
							10	3.91	-0.271	-0.0001	/	Pass	
							30	3.91	1.177	0.0005	/	Pass	
							40	3.91	-2.284	-0.0009	/	Pass	
				50	3.91	0.553	0.0002	/	Pass				
		2535	50	0	20	3.7	-0.123	0.0000	/	Pass			
									3.91	1.099	0.0004	/	Pass
									4.4	1.513	0.0006	/	Pass
								-30	3.91	1.718	0.0007	/	Pass
								-20	3.91	1.385	0.0005	/	Pass
								-10	3.91	-1.561	-0.0006	/	Pass
								0	3.91	0.054	0.0000	/	Pass
								10	3.91	2.492	0.0010	/	Pass
								30	3.91	0.457	0.0002	/	Pass
							40	3.91	0.898	0.0004	/	Pass	
				50	3.91	0.357	0.0001	/	Pass				



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2565	50	0	20	3.7	-0.969	-0.0004	/	Pass	
				3.91	-0.931	-0.0004	/	Pass	
				4.4	0.921	0.0004	/	Pass	
			-30	3.91	0.137	0.0001	/	Pass	
			-20	3.91	-0.456	-0.0002	/	Pass	
			-10	3.91	0.688	0.0003	/	Pass	
			0	3.91	0.572	0.0002	/	Pass	
			10	3.91	0.979	0.0004	/	Pass	
			30	3.91	-1.839	-0.0007	/	Pass	
			40	3.91	0.923	0.0004	/	Pass	
50	3.91	0.045	0.0000	/	Pass				
2505	50	0	20	3.7	-0.578	-0.0002	/	Pass	
				3.91	1.524	0.0006	/	Pass	
				4.4	-1.409	-0.0006	/	Pass	
			-30	3.91	-0.314	-0.0001	/	Pass	
			-20	3.91	0.220	0.0001	/	Pass	
			-10	3.91	-0.563	-0.0002	/	Pass	
			0	3.91	-1.727	-0.0007	/	Pass	
			10	3.91	0.009	0.0000	/	Pass	
			30	3.91	-1.324	-0.0005	/	Pass	
			40	3.91	-0.191	-0.0001	/	Pass	
50	3.91	-0.840	-0.0003	/	Pass				
16QAM	2535	50	0	20	3.7	-1.938	-0.0008	/	Pass
					3.91	-0.733	-0.0003	/	Pass
					4.4	0.576	0.0002	/	Pass
				-30	3.91	-1.549	-0.0006	/	Pass
				-20	3.91	1.589	0.0006	/	Pass
				-10	3.91	-0.142	-0.0001	/	Pass
				0	3.91	0.045	0.0000	/	Pass
				10	3.91	0.693	0.0003	/	Pass
				30	3.91	1.659	0.0007	/	Pass
				40	3.91	1.135	0.0004	/	Pass
50	3.91	-0.166	-0.0001	/	Pass				
2565	50	0	20	3.7	1.157	0.0005	/	Pass	
				3.91	0.383	0.0001	/	Pass	
				4.4	0.544	0.0002	/	Pass	
			-30	3.91	1.328	0.0005	/	Pass	
			-20	3.91	1.044	0.0004	/	Pass	
			-10	3.91	3.025	0.0012	/	Pass	
			0	3.91	-0.761	-0.0003	/	Pass	
			10	3.91	1.716	0.0007	/	Pass	
			30	3.91	-0.539	-0.0002	/	Pass	
			40	3.91	0.193	0.0001	/	Pass	
50	3.91	2.705	0.0011	/	Pass				
64QAM	2505	50	0	20	3.7	-1.002	-0.0004	/	Pass
					3.91	-1.844	-0.0007	/	Pass
					4.4	-0.058	0.0000	/	Pass
				-30	3.91	-1.672	-0.0007	/	Pass



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				-20	3.91	-0.763	-0.0003	/	Pass
				-10	3.91	-0.803	-0.0003	/	Pass
				0	3.91	-2.203	-0.0009	/	Pass
				10	3.91	1.117	0.0004	/	Pass
				30	3.91	0.417	0.0002	/	Pass
				40	3.91	-0.284	-0.0001	/	Pass
				50	3.91	-0.299	-0.0001	/	Pass
	2535	50	0	20	3.7	0.097	0.0000	/	Pass
					3.91	-0.156	-0.0001	/	Pass
					4.4	-1.554	-0.0006	/	Pass
				-30	3.91	-2.622	-0.0010	/	Pass
				-20	3.91	0.794	0.0003	/	Pass
				-10	3.91	-0.087	0.0000	/	Pass
				0	3.91	0.063	0.0000	/	Pass
				10	3.91	1.189	0.0005	/	Pass
				30	3.91	1.277	0.0005	/	Pass
				40	3.91	0.786	0.0003	/	Pass
	50	3.91	1.330	0.0005	/	Pass			
	2565	50	0	20	3.7	0.076	0.0000	/	Pass
					3.91	-0.898	-0.0004	/	Pass
					4.4	0.127	0.0000	/	Pass
-30				3.91	0.013	0.0000	/	Pass	
-20				3.91	-1.008	-0.0004	/	Pass	
-10				3.91	0.743	0.0003	/	Pass	
0				3.91	-0.172	-0.0001	/	Pass	
10				3.91	0.770	0.0003	/	Pass	
30				3.91	1.366	0.0005	/	Pass	
40				3.91	0.917	0.0004	/	Pass	
50	3.91	-1.702	-0.0007	/	Pass				

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	3.7	1.049	0.0004	/	Pass
					3.91	0.242	0.0001	/	Pass
					4.4	-0.632	-0.0003	/	Pass
				-30	3.91	-2.354	-0.0009	/	Pass
				-20	3.91	-0.032	0.0000	/	Pass
				-10	3.91	1.083	0.0004	/	Pass
				0	3.91	-2.580	-0.0010	/	Pass
				10	3.91	-1.265	-0.0005	/	Pass
				30	3.91	0.839	0.0003	/	Pass



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16QAM	2535	75	0	40	3.91	-2.902	-0.0012	/	Pass
				50	3.91	-0.532	-0.0002	/	Pass
				20	3.7	0.329	0.0001	/	Pass
					3.91	-1.198	-0.0005	/	Pass
					4.4	-0.033	0.0000	/	Pass
				-30	3.91	0.878	0.0003	/	Pass
				-20	3.91	0.467	0.0002	/	Pass
				-10	3.91	0.155	0.0001	/	Pass
				0	3.91	0.241	0.0001	/	Pass
				10	3.91	-1.866	-0.0007	/	Pass
	30	3.91	0.716	0.0003	/	Pass			
	40	3.91	-0.914	-0.0004	/	Pass			
	50	3.91	0.094	0.0000	/	Pass			
	2562.5	75	0	20	3.7	0.472	0.0002	/	Pass
					3.91	-2.431	-0.0009	/	Pass
					4.4	1.127	0.0004	/	Pass
				-30	3.91	-2.813	-0.0011	/	Pass
				-20	3.91	-1.556	-0.0006	/	Pass
				-10	3.91	1.663	0.0006	/	Pass
				0	3.91	-0.751	-0.0003	/	Pass
10				3.91	0.502	0.0002	/	Pass	
30				3.91	-2.706	-0.0011	/	Pass	
40				3.91	-1.521	-0.0006	/	Pass	
50	3.91	-0.820	-0.0003	/	Pass				
2507.5	75	0	20	3.7	0.298	0.0001	/	Pass	
				3.91	-1.179	-0.0005	/	Pass	
				4.4	-1.810	-0.0007	/	Pass	
			-30	3.91	-1.934	-0.0008	/	Pass	
			-20	3.91	-1.433	-0.0006	/	Pass	
			-10	3.91	-1.764	-0.0007	/	Pass	
			0	3.91	-3.436	-0.0014	/	Pass	
			10	3.91	-0.927	-0.0004	/	Pass	
			30	3.91	0.153	0.0001	/	Pass	
			40	3.91	-1.502	-0.0006	/	Pass	
50	3.91	-1.627	-0.0006	/	Pass				
2535	75	0	20	3.7	-0.244	-0.0001	/	Pass	
				3.91	1.188	0.0005	/	Pass	
				4.4	-0.086	0.0000	/	Pass	
			-30	3.91	0.412	0.0002	/	Pass	
			-20	3.91	1.722	0.0007	/	Pass	
			-10	3.91	1.082	0.0004	/	Pass	
			0	3.91	-0.501	-0.0002	/	Pass	
			10	3.91	-1.083	-0.0004	/	Pass	
			30	3.91	1.245	0.0005	/	Pass	
			40	3.91	-0.678	-0.0003	/	Pass	
50	3.91	-0.499	-0.0002	/	Pass				
2562.5	75	0	20	3.7	-0.911	-0.0004	/	Pass	
				3.91	0.126	0.0000	/	Pass	



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					4.4	-0.371	-0.0001	/	Pass				
				-30	3.91	0.895	0.0003	/	Pass				
				-20	3.91	-2.695	-0.0011	/	Pass				
				-10	3.91	-1.631	-0.0006	/	Pass				
				0	3.91	0.447	0.0002	/	Pass				
				10	3.91	-2.586	-0.0010	/	Pass				
				30	3.91	-1.119	-0.0004	/	Pass				
				40	3.91	1.267	0.0005	/	Pass				
				50	3.91	1.733	0.0007	/	Pass				
64QAM	2507.5	75	0	20	3.7	0.002	0.0000	/	Pass				
					3.91	-2.432	-0.0010	/	Pass				
					4.4	0.295	0.0001	/	Pass				
								-30	3.91	-1.793	-0.0007	/	Pass
								-20	3.91	-1.281	-0.0005	/	Pass
								-10	3.91	0.565	0.0002	/	Pass
								0	3.91	1.155	0.0005	/	Pass
								10	3.91	1.151	0.0005	/	Pass
								30	3.91	-0.926	-0.0004	/	Pass
								40	3.91	0.399	0.0002	/	Pass
								50	3.91	2.033	0.0008	/	Pass
					2535	75	0	20	3.7	-1.498	-0.0006	/	Pass
	3.91	-2.304	-0.0009	/					Pass				
	4.4	-0.880	-0.0003	/					Pass				
								-30	3.91	0.428	0.0002	/	Pass
								-20	3.91	-0.154	-0.0001	/	Pass
								-10	3.91	1.260	0.0005	/	Pass
								0	3.91	-1.888	-0.0007	/	Pass
								10	3.91	-1.121	-0.0004	/	Pass
								30	3.91	-0.071	0.0000	/	Pass
								40	3.91	0.266	0.0001	/	Pass
								50	3.91	0.068	0.0000	/	Pass
		2562.5	75	0				20	3.7	-0.916	-0.0004	/	Pass
	3.91				1.151	0.0004	/		Pass				
	4.4				-0.515	-0.0002	/		Pass				
								-30	3.91	-0.122	0.0000	/	Pass
								-20	3.91	-0.280	-0.0001	/	Pass
								-10	3.91	-1.151	-0.0004	/	Pass
							0	3.91	-0.717	-0.0003	/	Pass	
							10	3.91	0.790	0.0003	/	Pass	
							30	3.91	-0.254	-0.0001	/	Pass	
							40	3.91	0.367	0.0001	/	Pass	
							50	3.91	-1.884	-0.0007	/	Pass	

2.4 B7_20MHz

2.4.1 Test Result



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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	3.7	-1.431	-0.0006	/	Pass	
					3.91	-0.112	0.0000	/	Pass	
					4.4	-1.909	-0.0008	/	Pass	
				-30	3.91	-1.584	-0.0006	/	Pass	
					-20	3.91	0.900	0.0004	/	Pass
						-10	3.91	0.598	0.0002	/
				0	3.91	1.185	0.0005	/	Pass	
					10	3.91	-1.924	-0.0008	/	Pass
				30	3.91	-1.429	-0.0006	/	Pass	
				40	3.91	-0.036	0.0000	/	Pass	
	50	3.91	-2.551	-0.0010	/	Pass				
	2535	100	0	20	3.7	0.388	0.0002	/	Pass	
					3.91	1.784	0.0007	/	Pass	
					4.4	0.168	0.0001	/	Pass	
				-30	3.91	-0.215	-0.0001	/	Pass	
					-20	3.91	1.254	0.0005	/	Pass
						-10	3.91	-1.688	-0.0007	/
				0	3.91	-0.061	0.0000	/	Pass	
					10	3.91	0.511	0.0002	/	Pass
				30	3.91	-0.321	-0.0001	/	Pass	
				40	3.91	-1.057	-0.0004	/	Pass	
	50	3.91	-1.851	-0.0007	/	Pass				
	2560	100	0	20	3.7	-0.852	-0.0003	/	Pass	
					3.91	-0.601	-0.0002	/	Pass	
					4.4	-1.994	-0.0008	/	Pass	
				-30	3.91	-1.108	-0.0004	/	Pass	
					-20	3.91	0.243	0.0001	/	Pass
						-10	3.91	-0.337	-0.0001	/
				0	3.91	1.068	0.0004	/	Pass	
					10	3.91	-1.895	-0.0007	/	Pass
30				3.91	-0.196	-0.0001	/	Pass		
40				3.91	-1.769	-0.0007	/	Pass		
50	3.91	1.016	0.0004	/	Pass					
16QAM	2510	100	0	20	3.7	-2.458	-0.0010	/	Pass	
					3.91	-1.164	-0.0005	/	Pass	
					4.4	-1.113	-0.0004	/	Pass	
				-30	3.91	-0.391	-0.0002	/	Pass	
					-20	3.91	-0.596	-0.0002	/	Pass
						-10	3.91	-0.844	-0.0003	/
				0	3.91	0.874	0.0003	/	Pass	
					10	3.91	-0.473	-0.0002	/	Pass
				30	3.91	-2.030	-0.0008	/	Pass	
				40	3.91	-0.071	0.0000	/	Pass	
	50	3.91	0.747	0.0003	/	Pass				
	2535	100	0	20	3.7	-0.431	-0.0002	/	Pass	



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					3.91	-1.234	-0.0005	/	Pass	
					4.4	-0.694	-0.0003	/	Pass	
				-30	3.91	0.744	0.0003	/	Pass	
				-20	3.91	-0.351	-0.0001	/	Pass	
				-10	3.91	1.077	0.0004	/	Pass	
				0	3.91	-0.319	-0.0001	/	Pass	
				10	3.91	0.139	0.0001	/	Pass	
				30	3.91	-0.300	-0.0001	/	Pass	
				40	3.91	1.457	0.0006	/	Pass	
	50	3.91	-0.780	-0.0003	/	Pass				
	2560	100	0	20		3.7	-0.111	0.0000	/	Pass
						3.91	-3.161	-0.0012	/	Pass
						4.4	0.757	0.0003	/	Pass
					-30	3.91	-1.090	-0.0004	/	Pass
					-20	3.91	1.218	0.0005	/	Pass
					-10	3.91	-1.449	-0.0006	/	Pass
					0	3.91	0.805	0.0003	/	Pass
					10	3.91	-0.562	-0.0002	/	Pass
				30	3.91	0.205	0.0001	/	Pass	
	40	3.91	1.329	0.0005	/	Pass				
	50	3.91	-1.201	-0.0005	/	Pass				
64QAM	2510	100	0	20		3.7	-1.495	-0.0006	/	Pass
						3.91	-0.032	0.0000	/	Pass
						4.4	0.716	0.0003	/	Pass
					-30	3.91	-1.993	-0.0008	/	Pass
					-20	3.91	-2.239	-0.0009	/	Pass
					-10	3.91	-0.185	-0.0001	/	Pass
					0	3.91	-2.963	-0.0012	/	Pass
					10	3.91	-1.421	-0.0006	/	Pass
					30	3.91	-0.440	-0.0002	/	Pass
		40	3.91	-2.715	-0.0011	/	Pass			
		50	3.91	-1.963	-0.0008	/	Pass			
	2535	100	0	20		3.7	-0.121	0.0000	/	Pass
						3.91	1.682	0.0007	/	Pass
						4.4	1.272	0.0005	/	Pass
					-30	3.91	-0.228	-0.0001	/	Pass
					-20	3.91	0.046	0.0000	/	Pass
					-10	3.91	-0.097	0.0000	/	Pass
					0	3.91	-0.307	-0.0001	/	Pass
				10	3.91	0.289	0.0001	/	Pass	
				30	3.91	0.200	0.0001	/	Pass	
	40	3.91	0.964	0.0004	/	Pass				
	50	3.91	2.911	0.0011	/	Pass				
2560	100	0	20		3.7	2.583	0.0010	/	Pass	
					3.91	0.420	0.0002	/	Pass	
					4.4	-2.398	-0.0009	/	Pass	
				-30	3.91	-1.436	-0.0006	/	Pass	
	-20	3.91	0.904	0.0004	/	Pass				



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				-10	3.91	-0.072	0.0000	/	Pass
				0	3.91	-2.428	-0.0009	/	Pass
				10	3.91	1.698	0.0007	/	Pass
				30	3.91	-1.726	-0.0007	/	Pass
				40	3.91	-0.096	0.0000	/	Pass
				50	3.91	-1.056	-0.0004	/	Pass



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3. 99% & 26dB Bandwidth

3.1 Band7_OBW

3.1.1 Test Result

Band: 7 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.577	/	Pass
		2535	25	0	4.593	/	Pass
		2567.5	25	0	4.573	/	Pass
	16QAM	2502.5	25	0	4.587	/	Pass
		2535	25	0	4.566	/	Pass
		2567.5	25	0	4.599	/	Pass
	64QAM	2502.5	25	0	4.573	/	Pass
		2535	25	0	4.598	/	Pass
		2567.5	25	0	4.590	/	Pass
10	QPSK	2505	50	0	9.111	/	Pass
		2535	50	0	9.073	/	Pass
		2565	50	0	9.108	/	Pass
	16QAM	2505	50	0	9.098	/	Pass
		2535	50	0	9.106	/	Pass
		2565	50	0	9.106	/	Pass
	64QAM	2505	50	0	9.093	/	Pass
		2535	50	0	9.077	/	Pass
		2565	50	0	9.077	/	Pass
15	QPSK	2507.5	75	0	13.638	/	Pass
		2535	75	0	13.629	/	Pass
		2562.5	75	0	13.601	/	Pass
	16QAM	2507.5	75	0	13.618	/	Pass
		2535	75	0	13.666	/	Pass
		2562.5	75	0	13.614	/	Pass
	64QAM	2507.5	75	0	13.616	/	Pass
		2535	75	0	13.566	/	Pass
		2562.5	75	0	13.627	/	Pass
20	QPSK	2510	100	0	18.170	/	Pass
		2535	100	0	18.157	/	Pass
		2560	100	0	18.112	/	Pass
	16QAM	2510	100	0	18.178	/	Pass
		2535	100	0	18.158	/	Pass
		2560	100	0	18.102	/	Pass
	64QAM	2510	100	0	18.125	/	Pass
		2535	100	0	18.126	/	Pass
		2560	100	0	18.110	/	Pass



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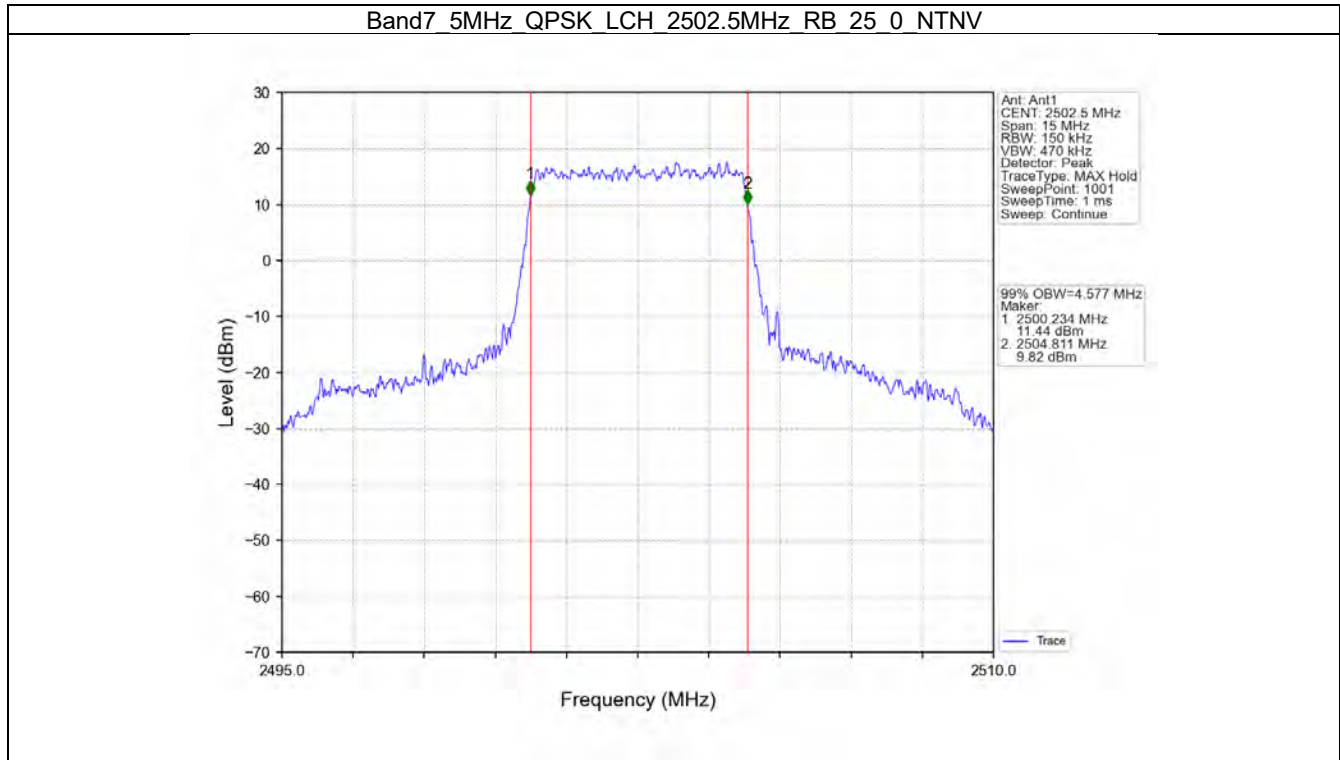
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3.1.2 Test Graph



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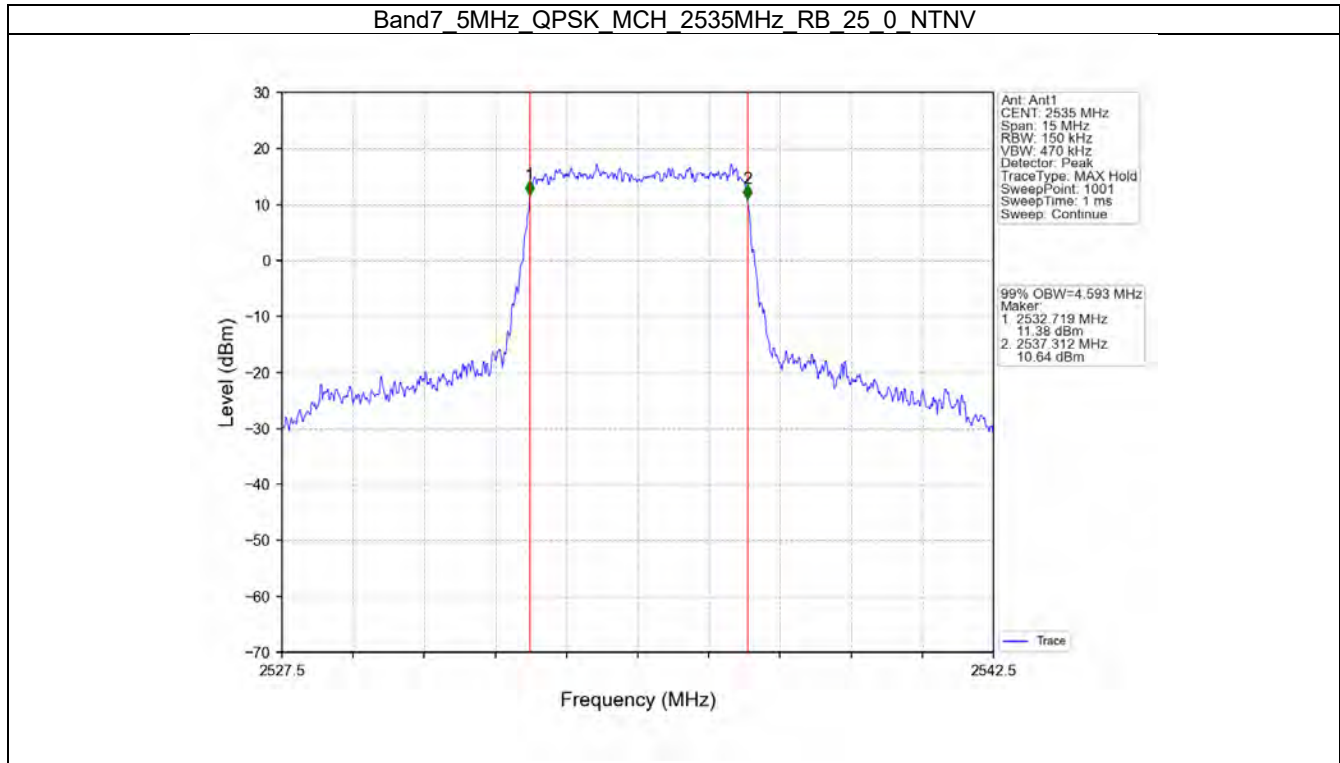


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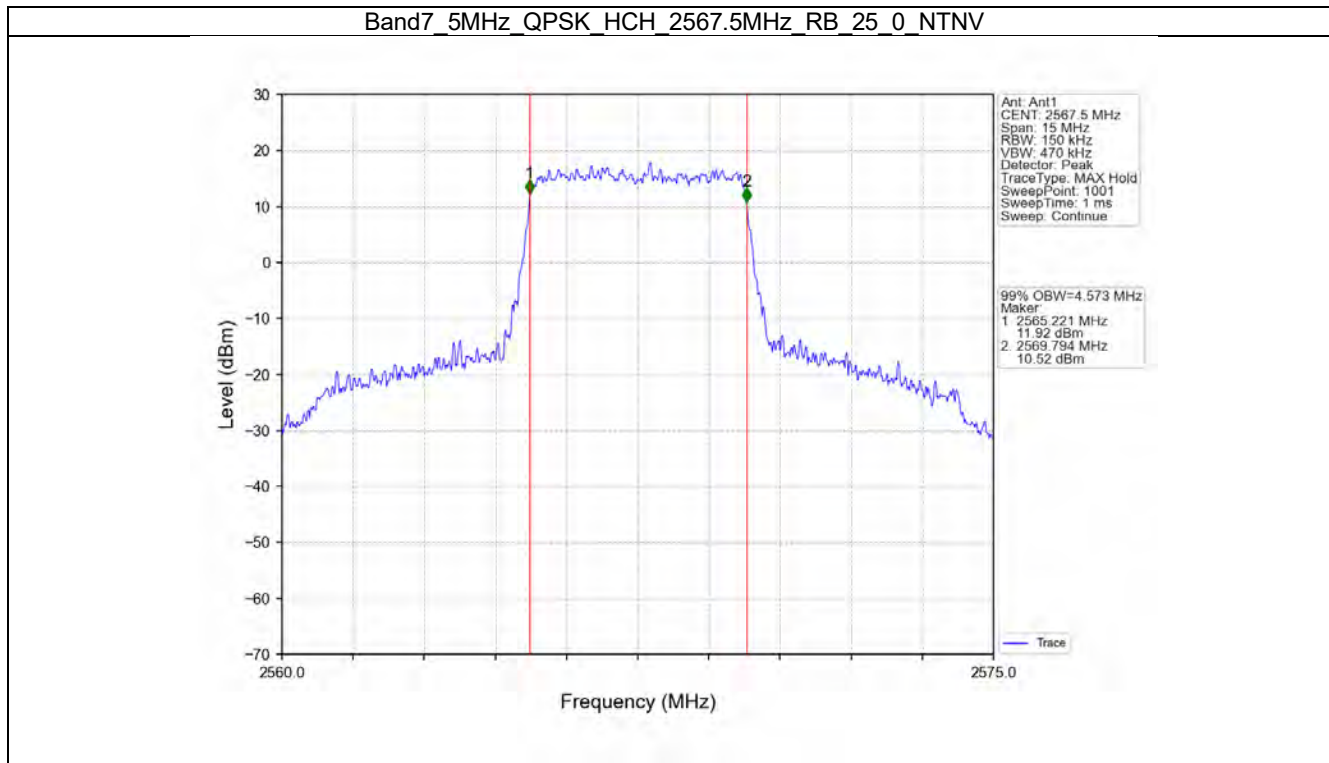
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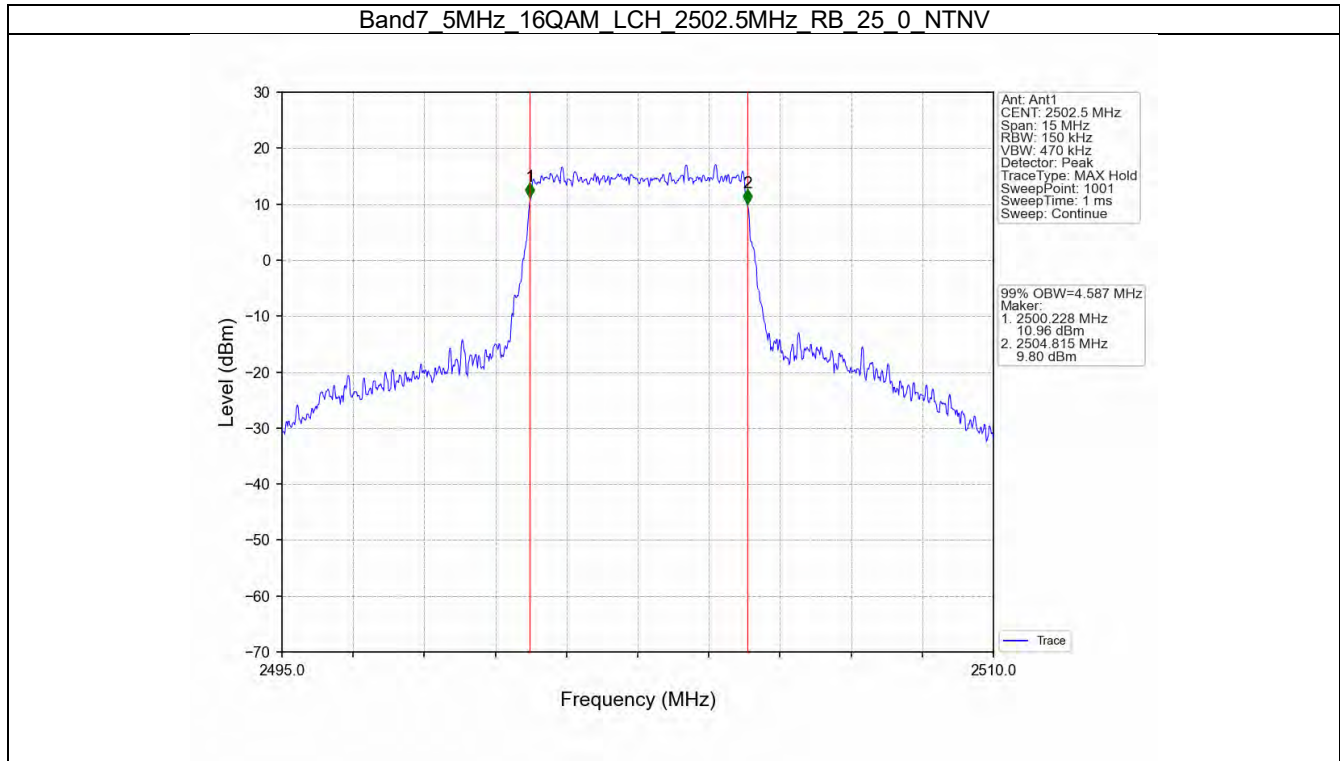


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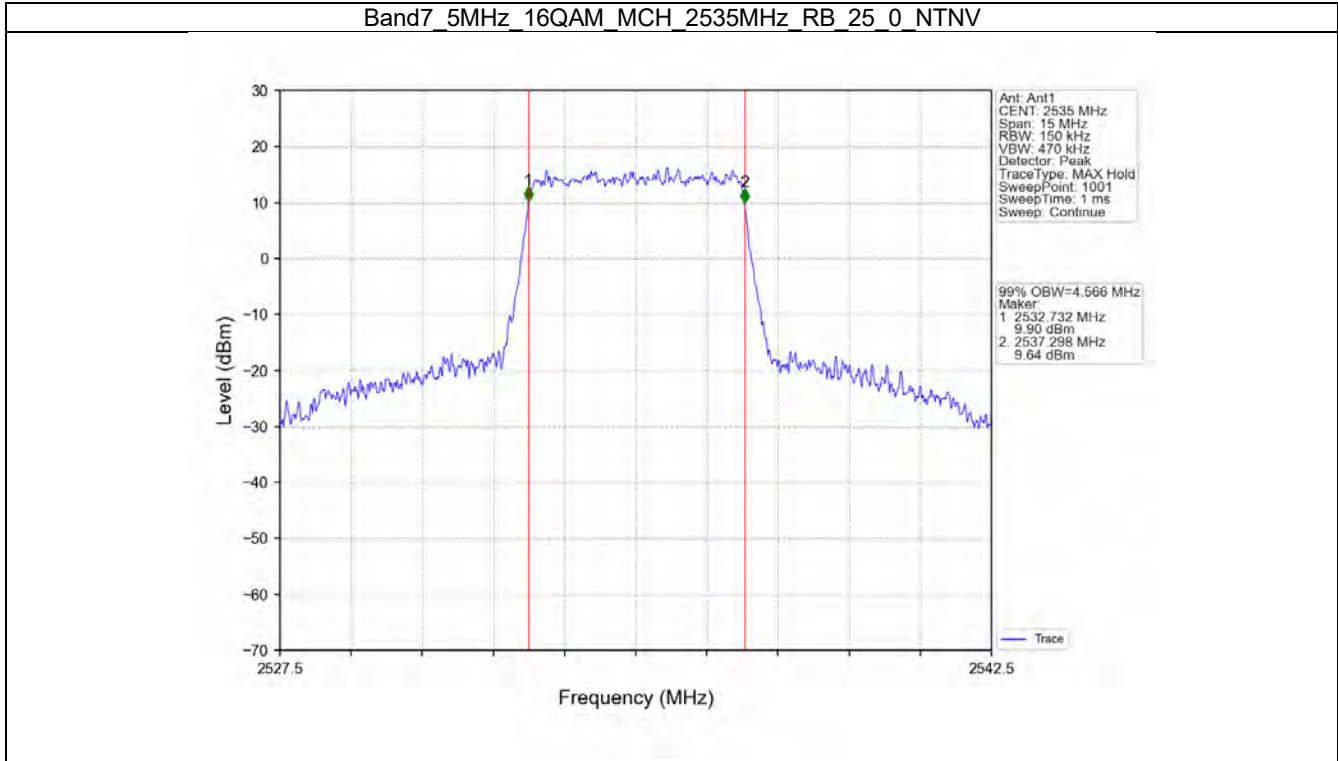


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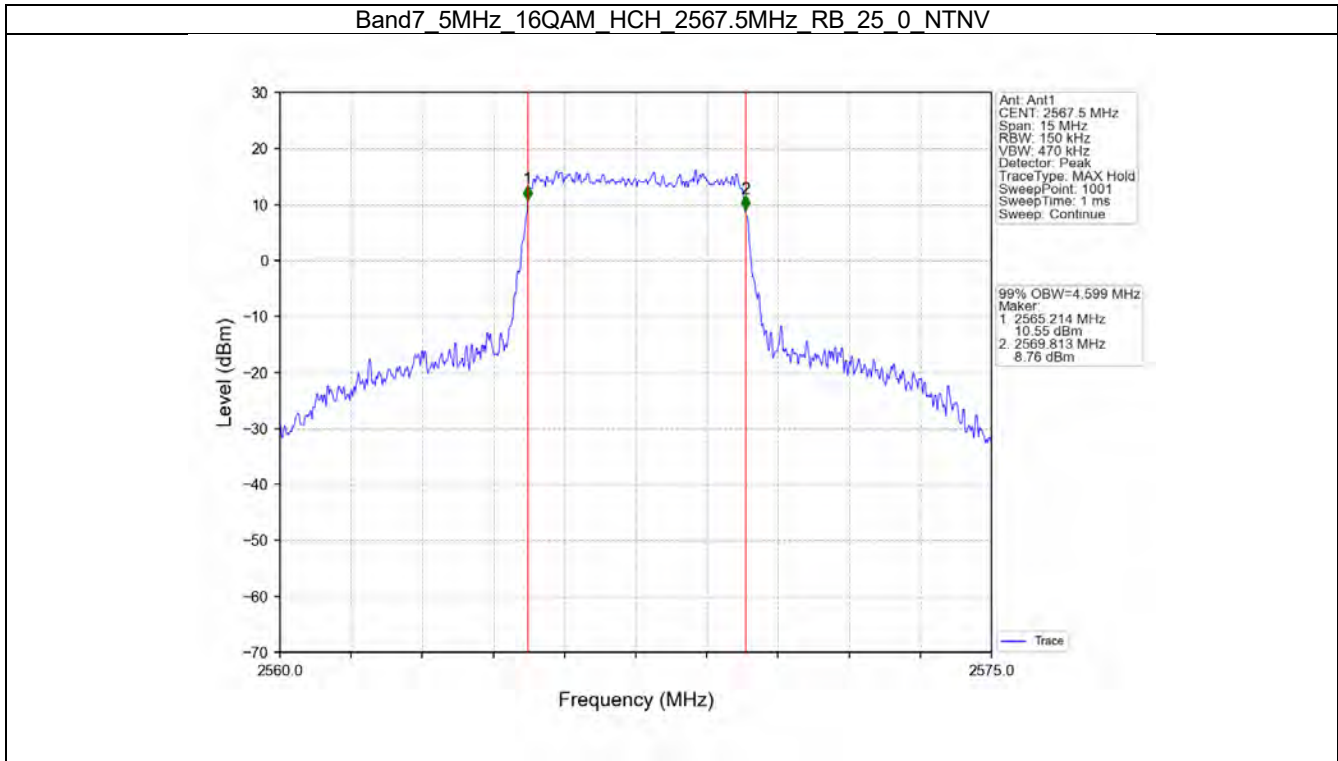


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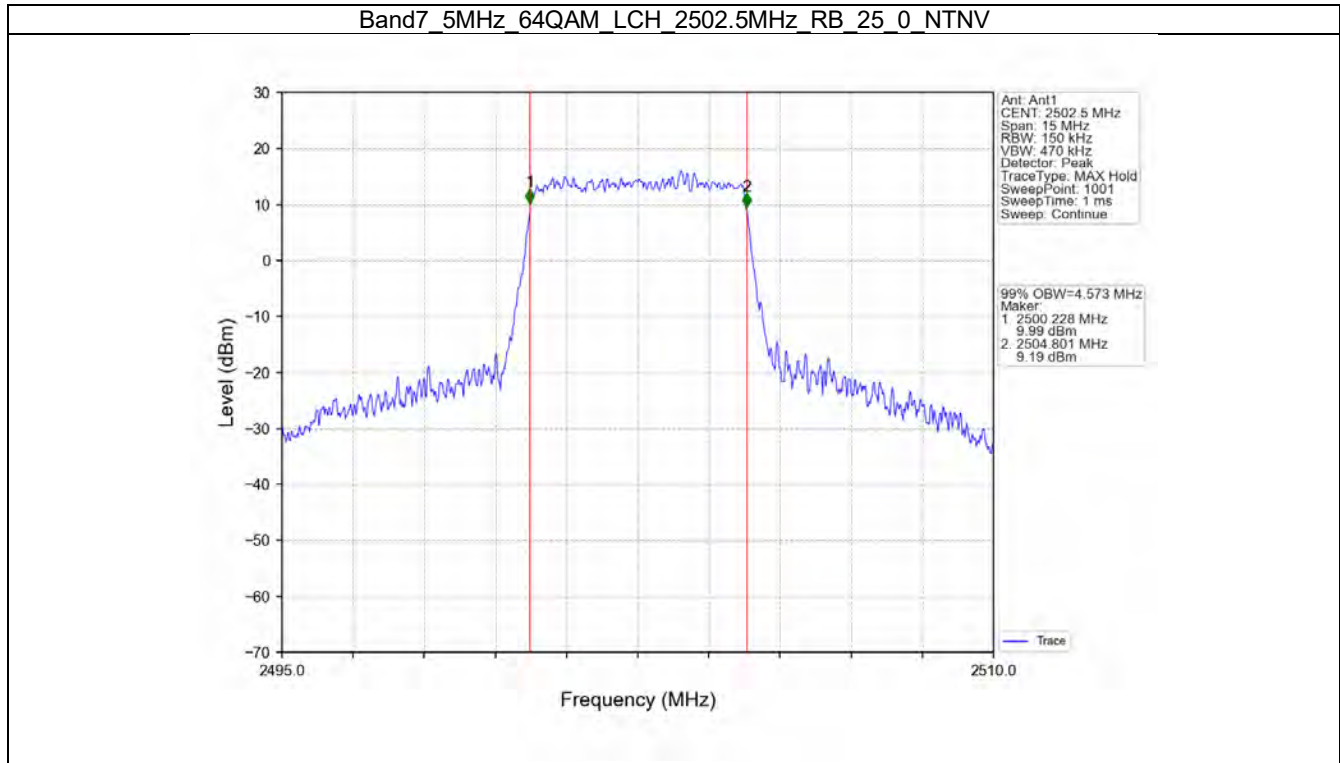


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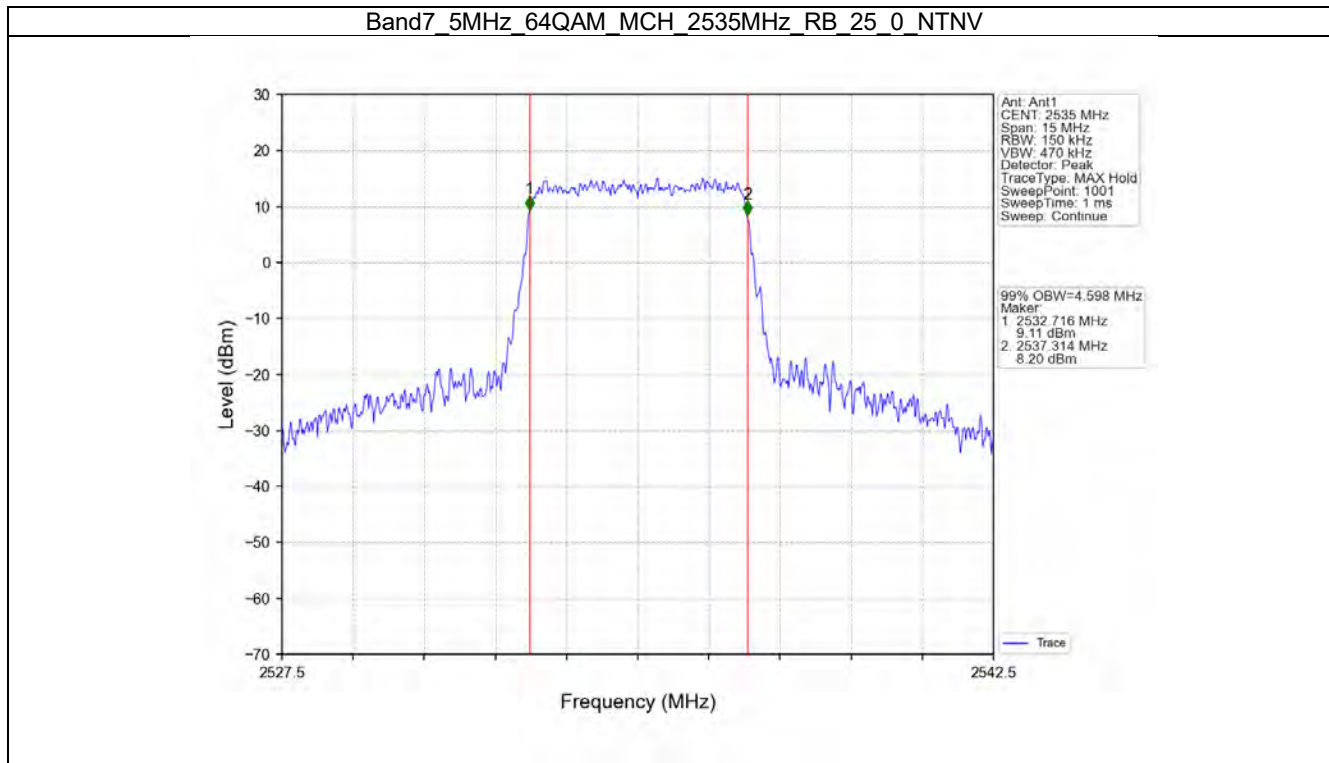
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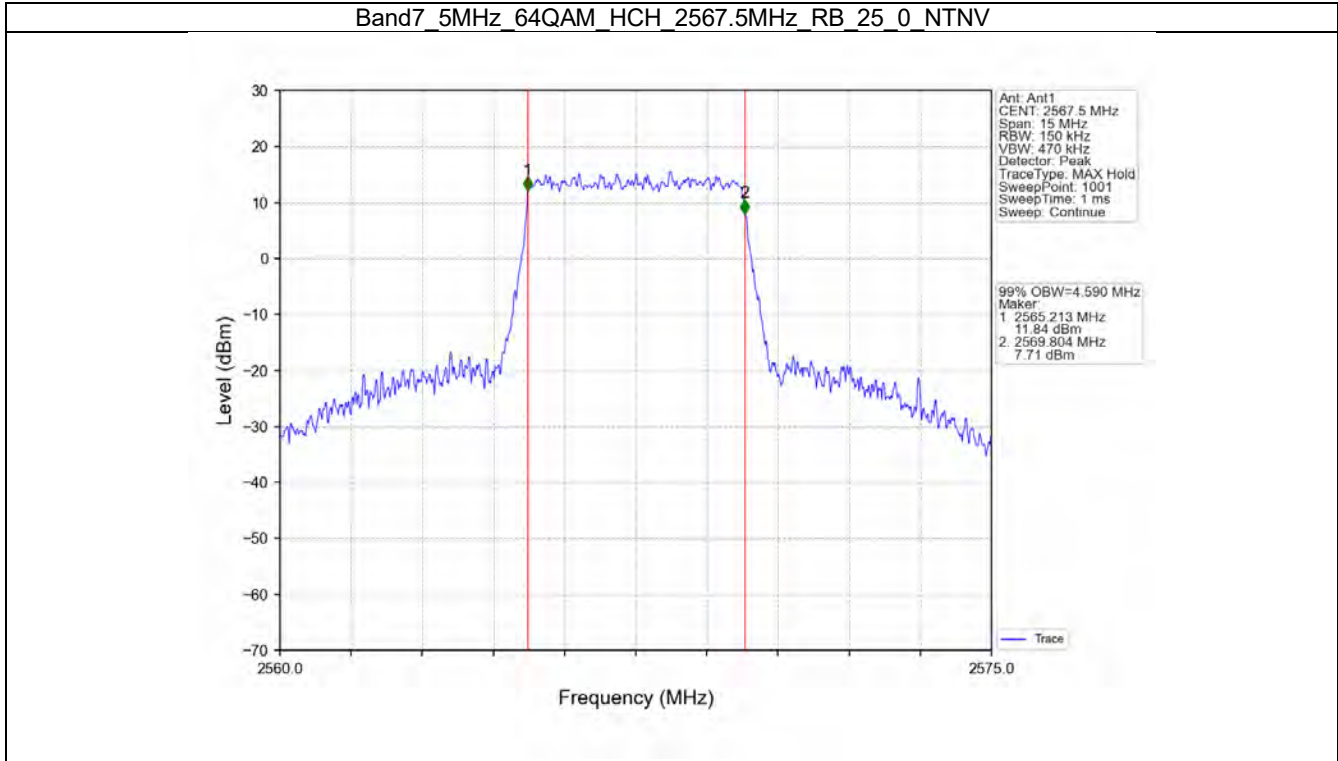


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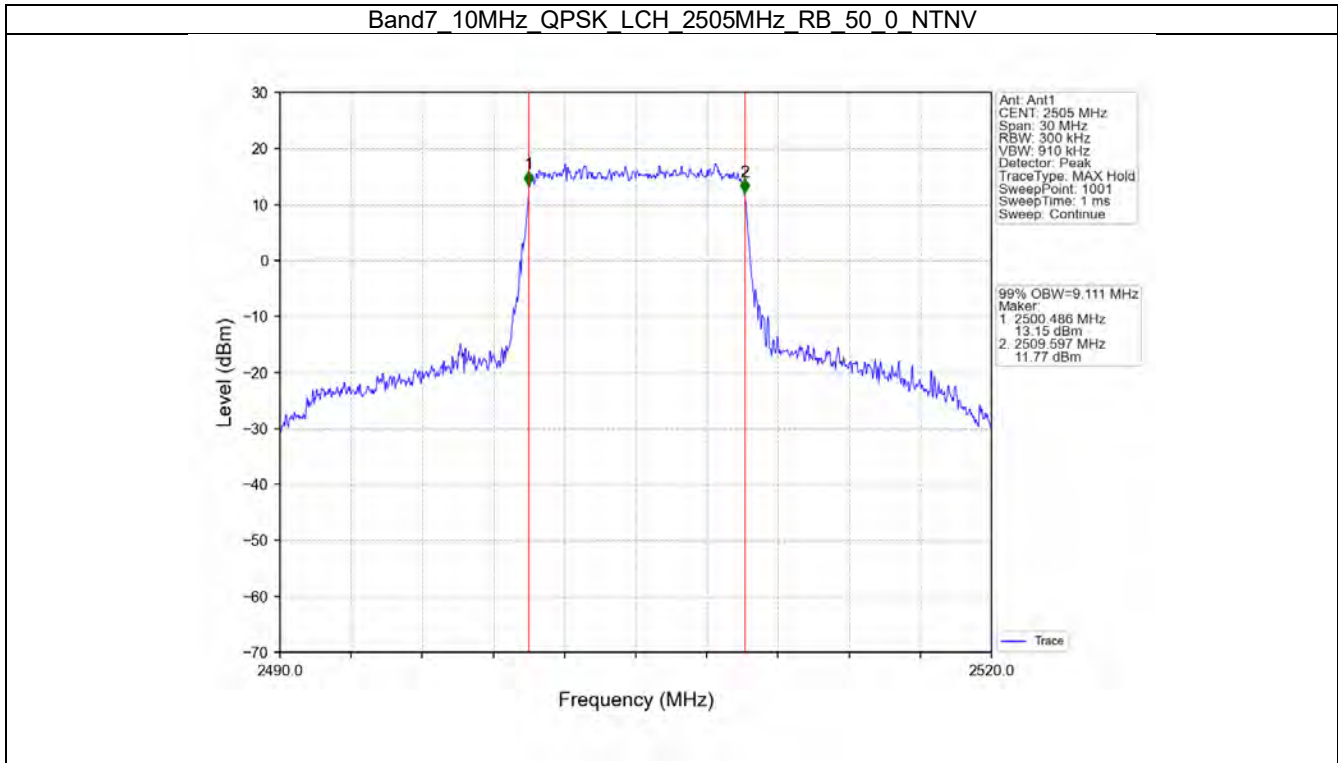


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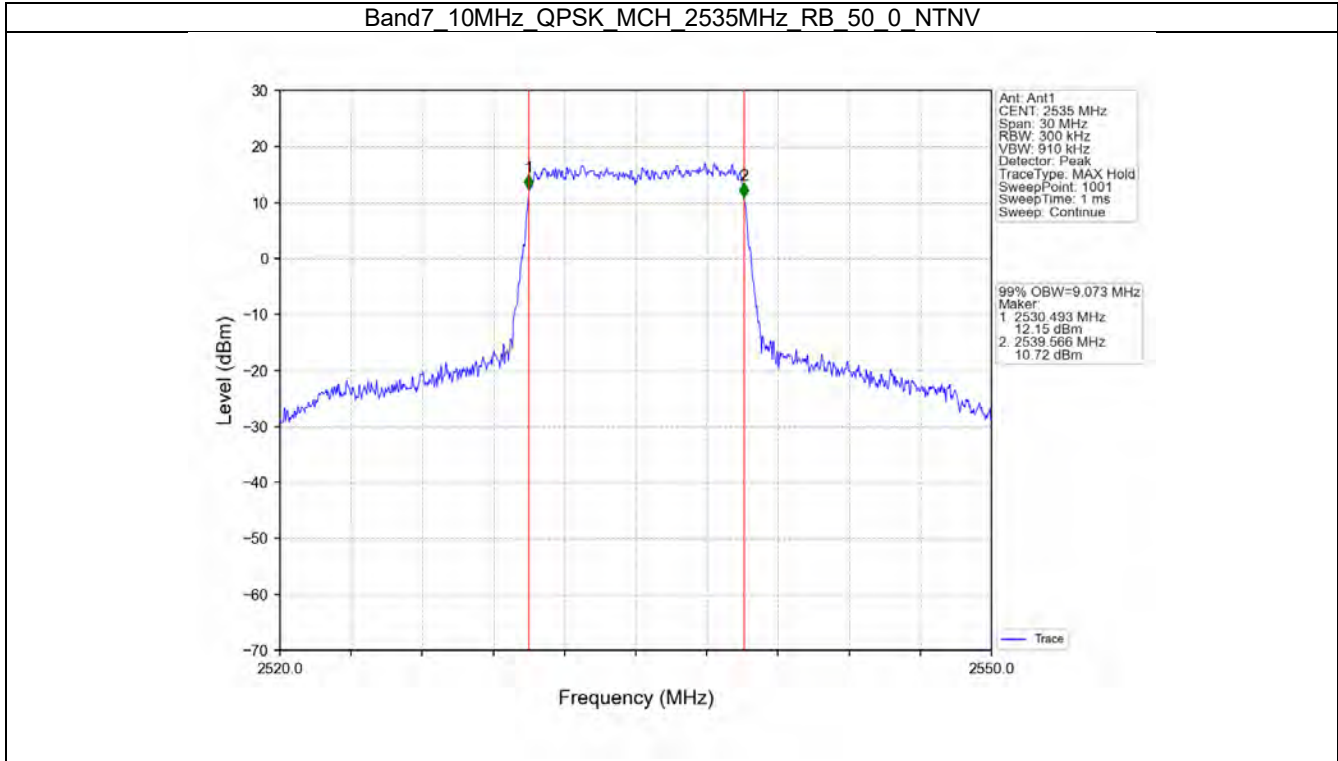


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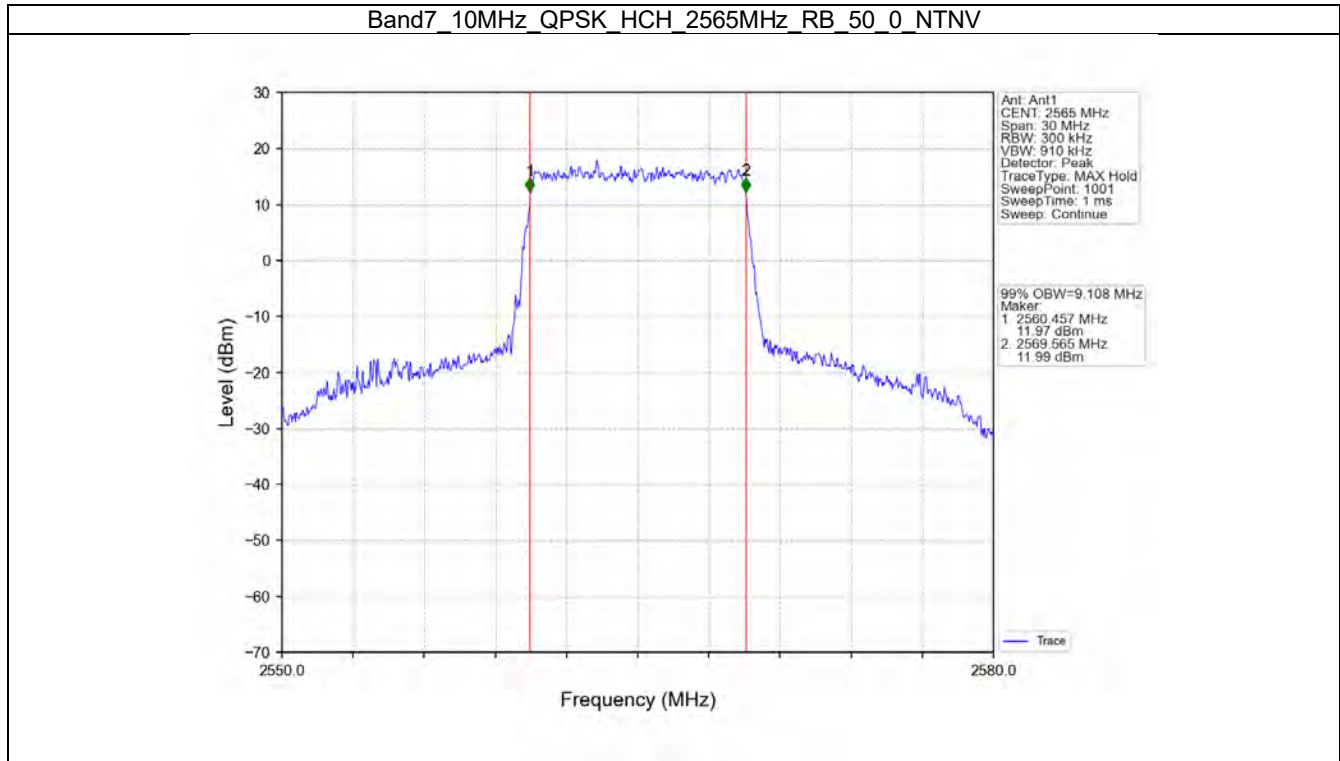


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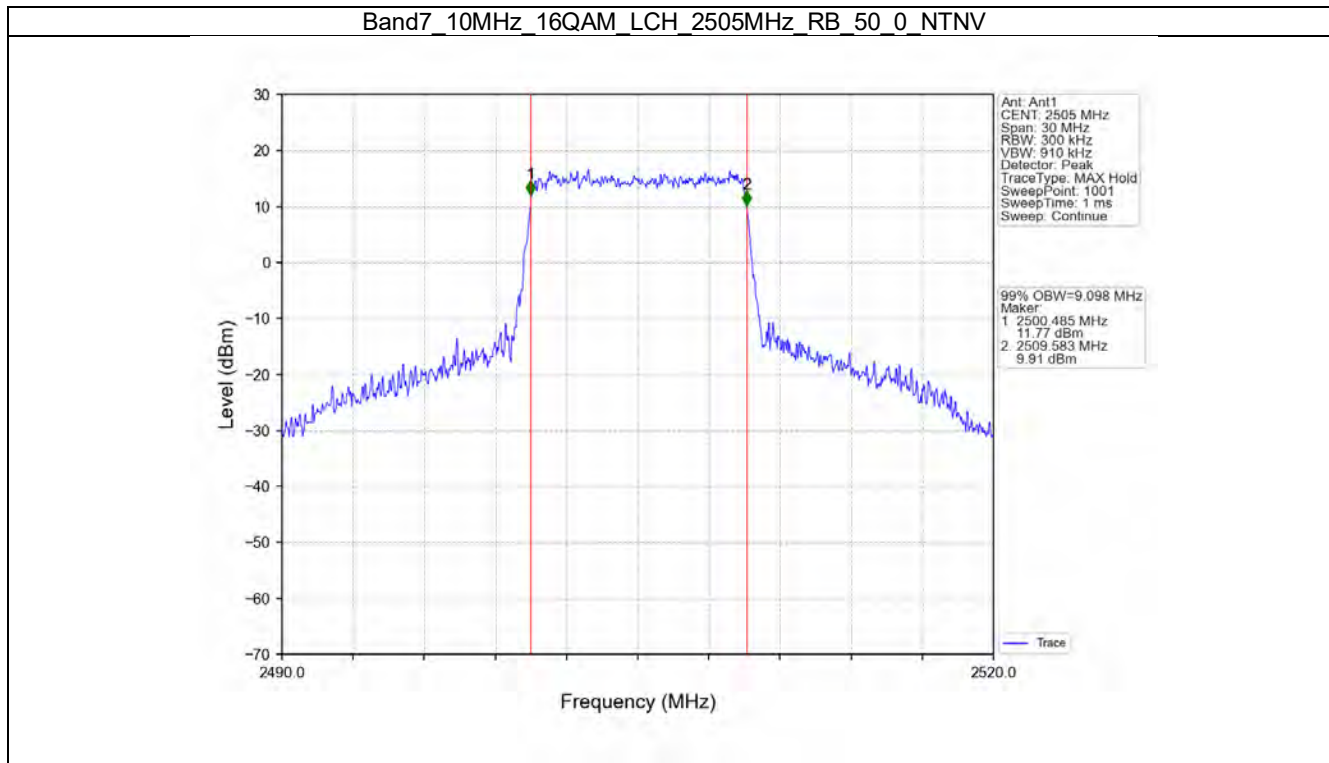
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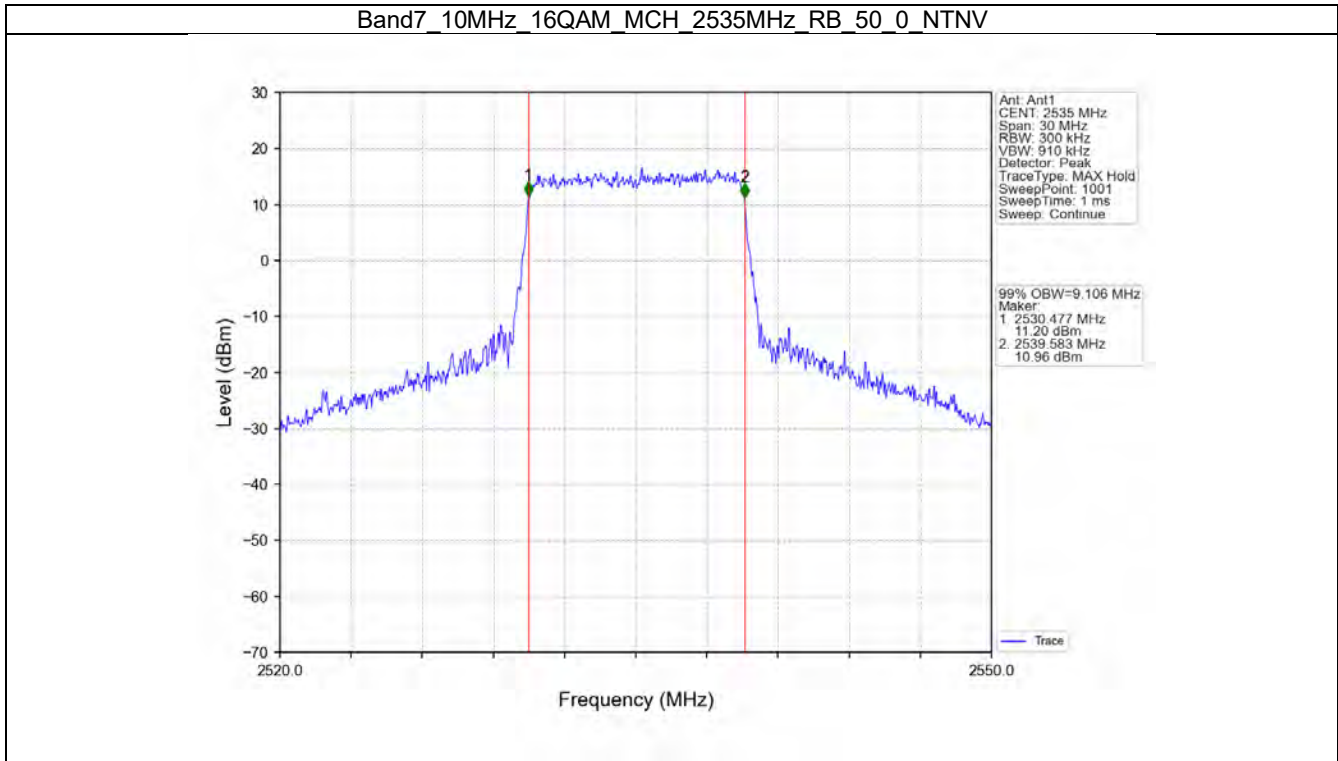


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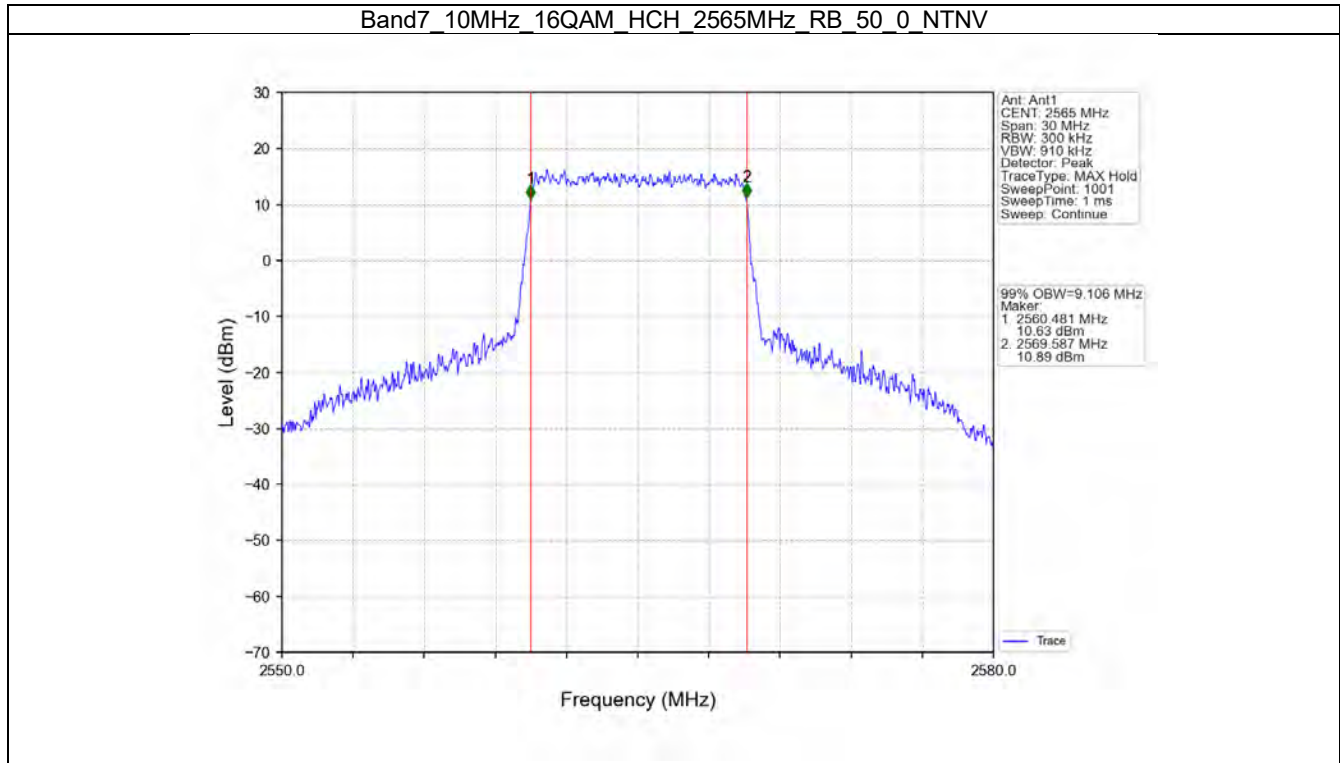


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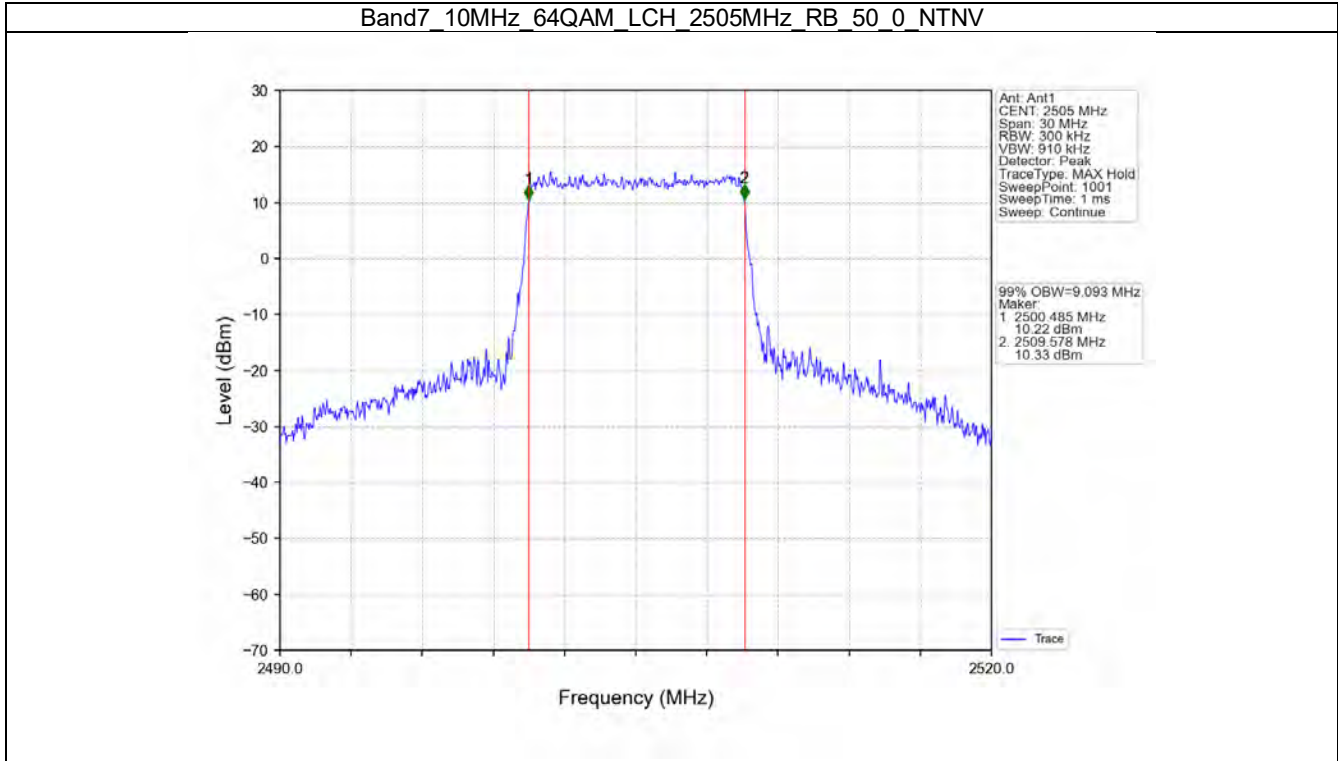


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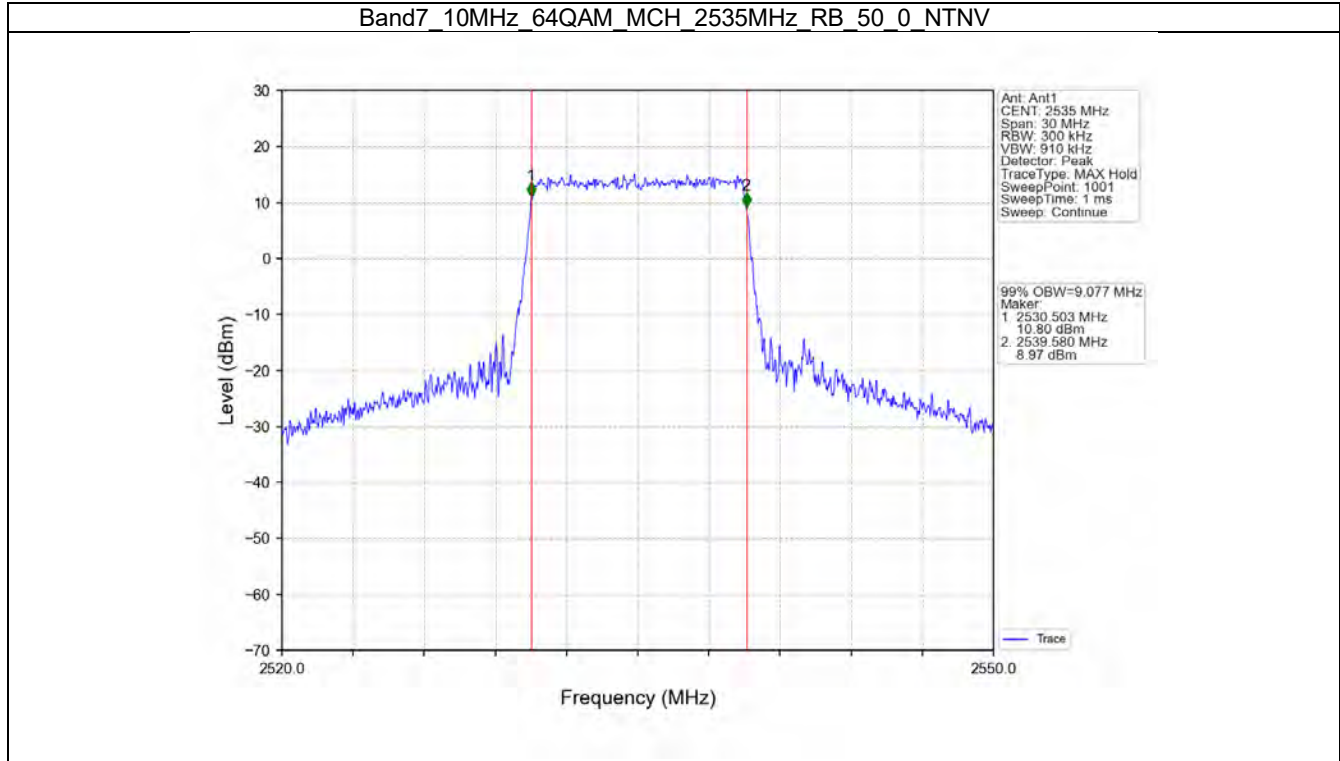


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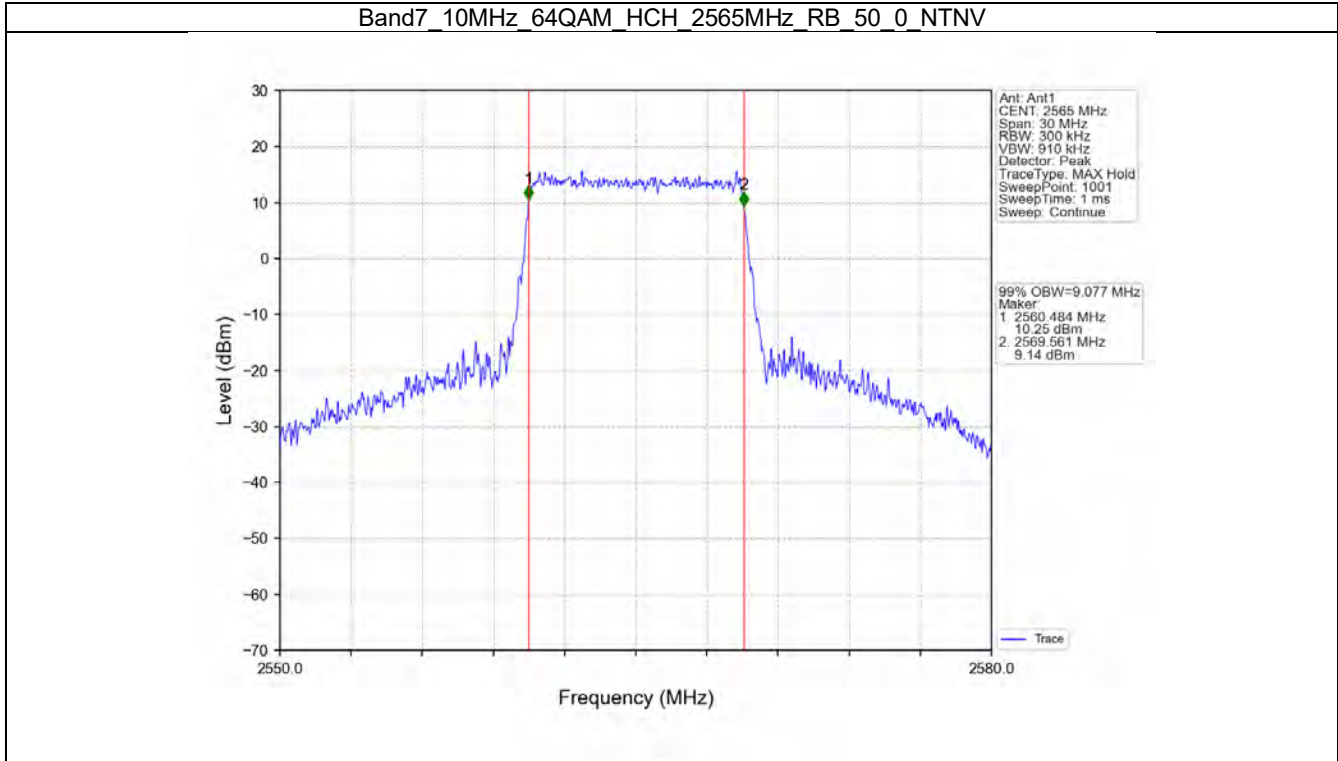


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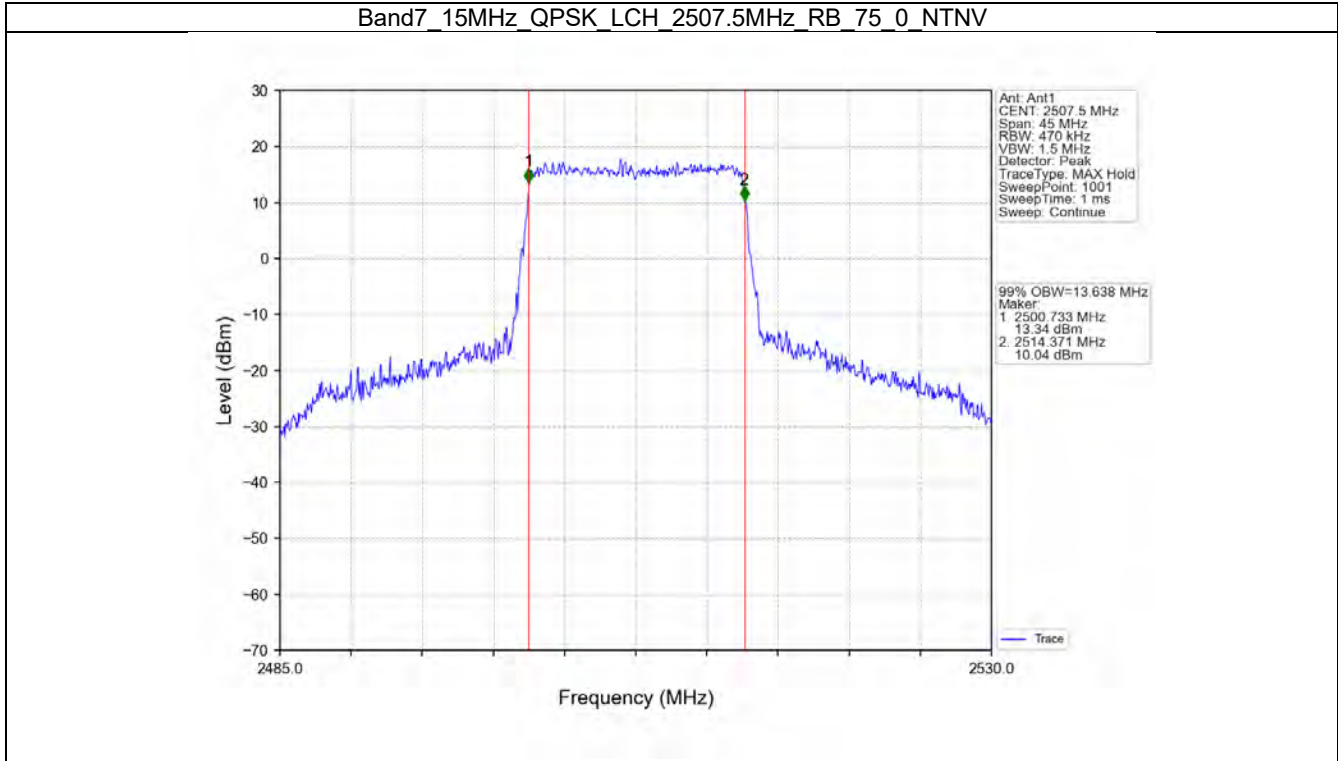


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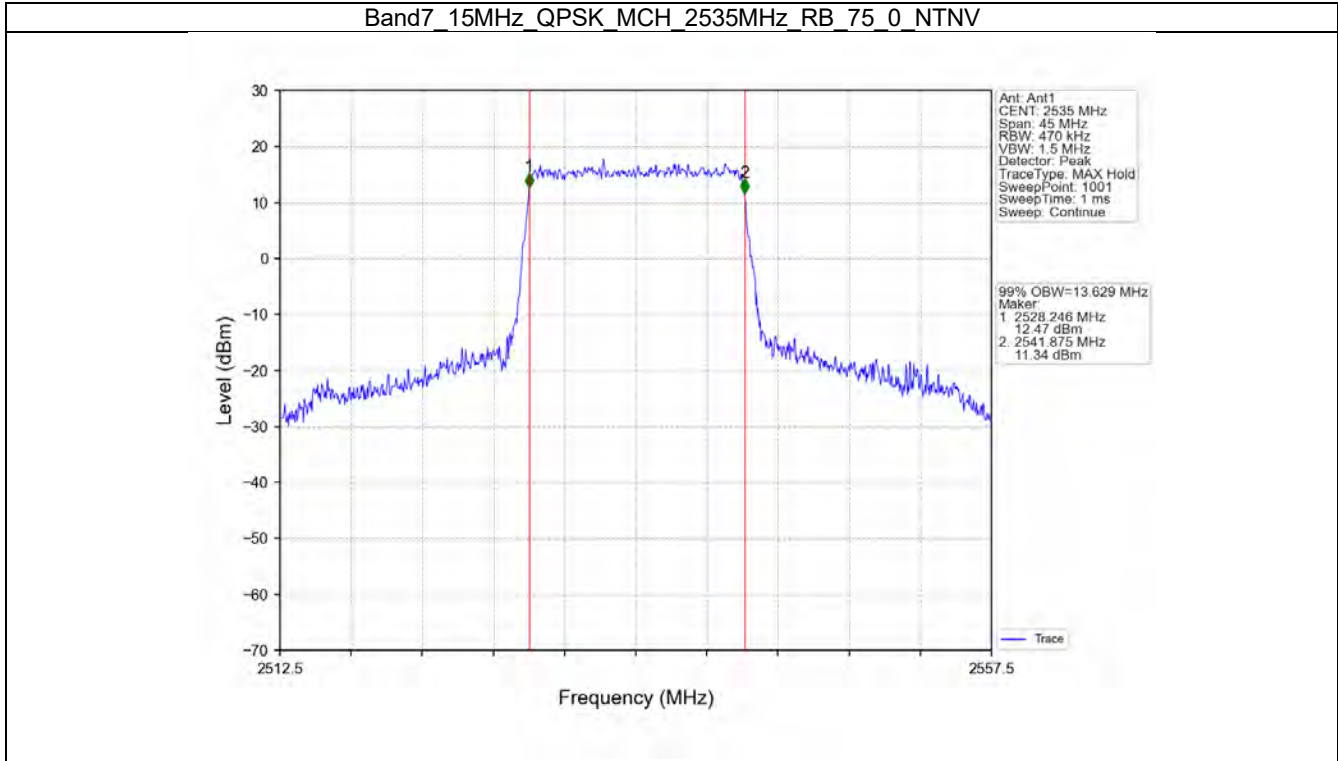


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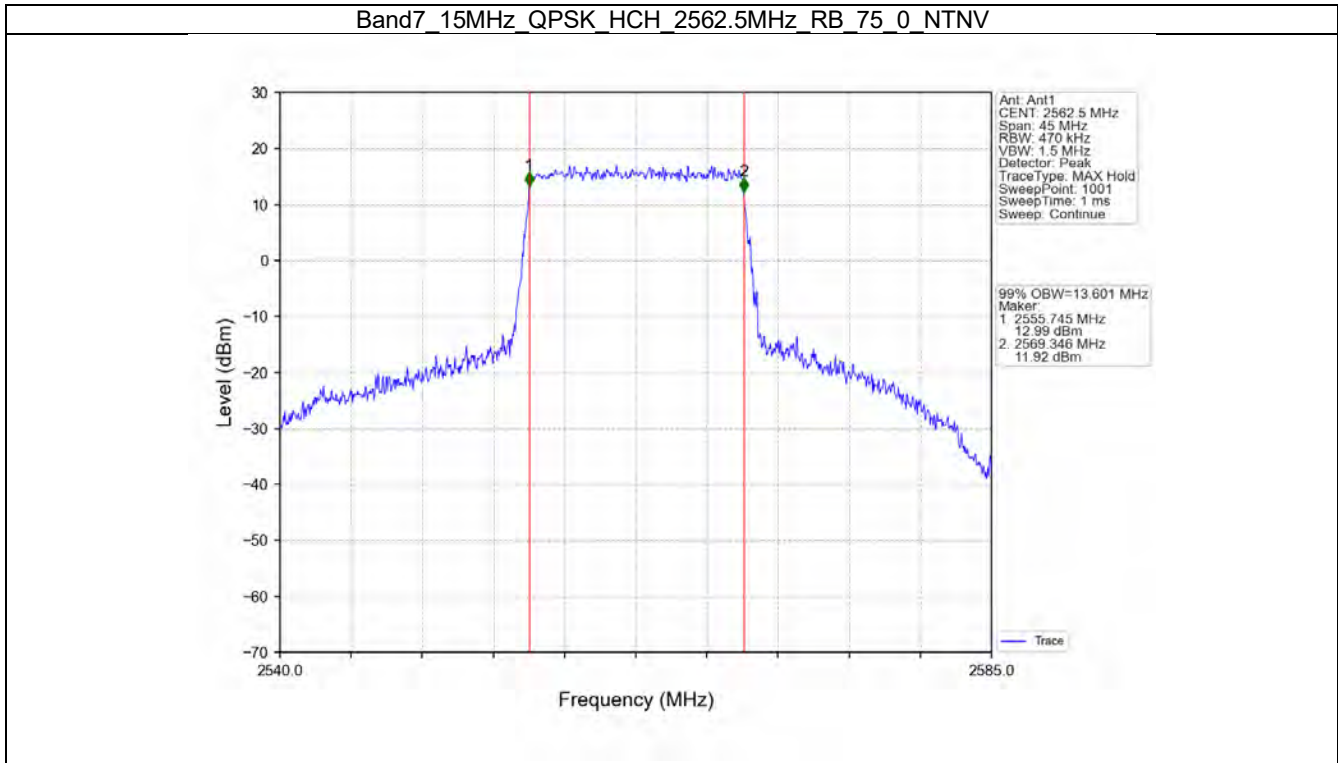


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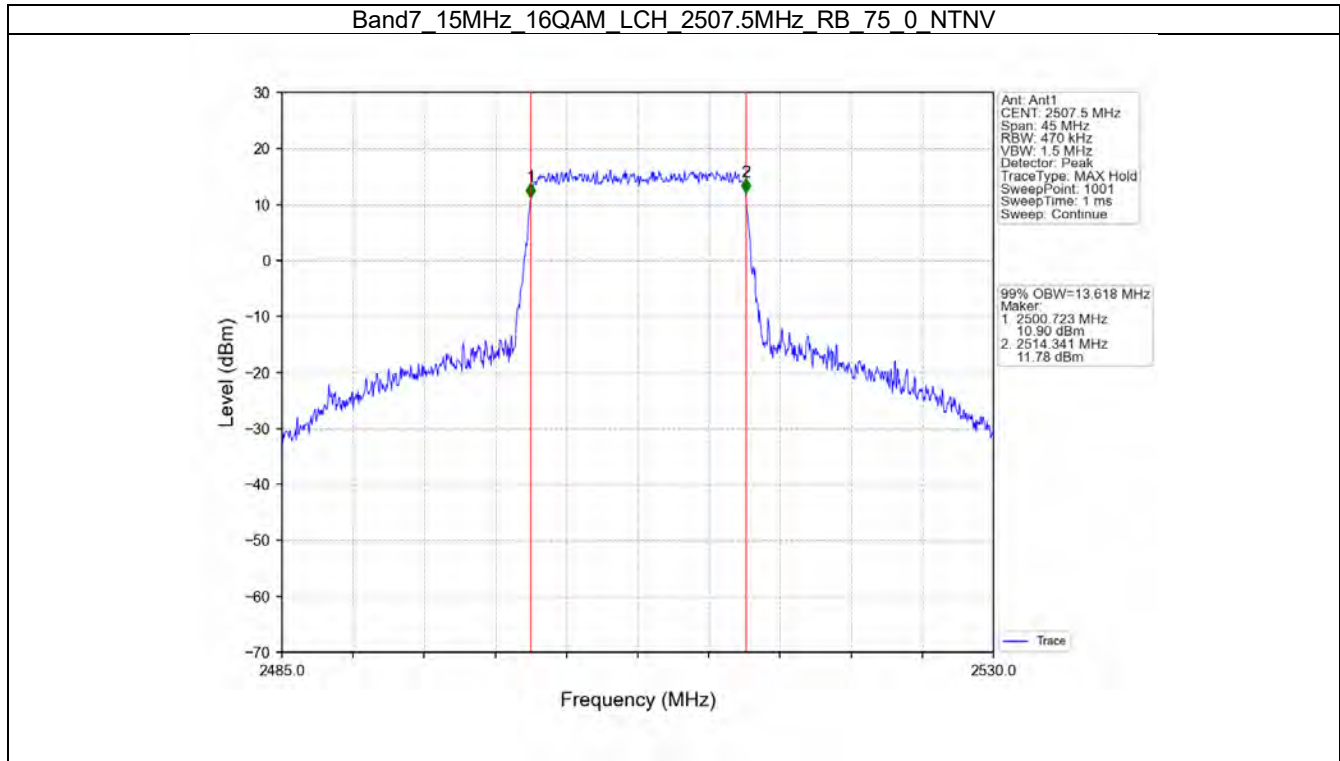


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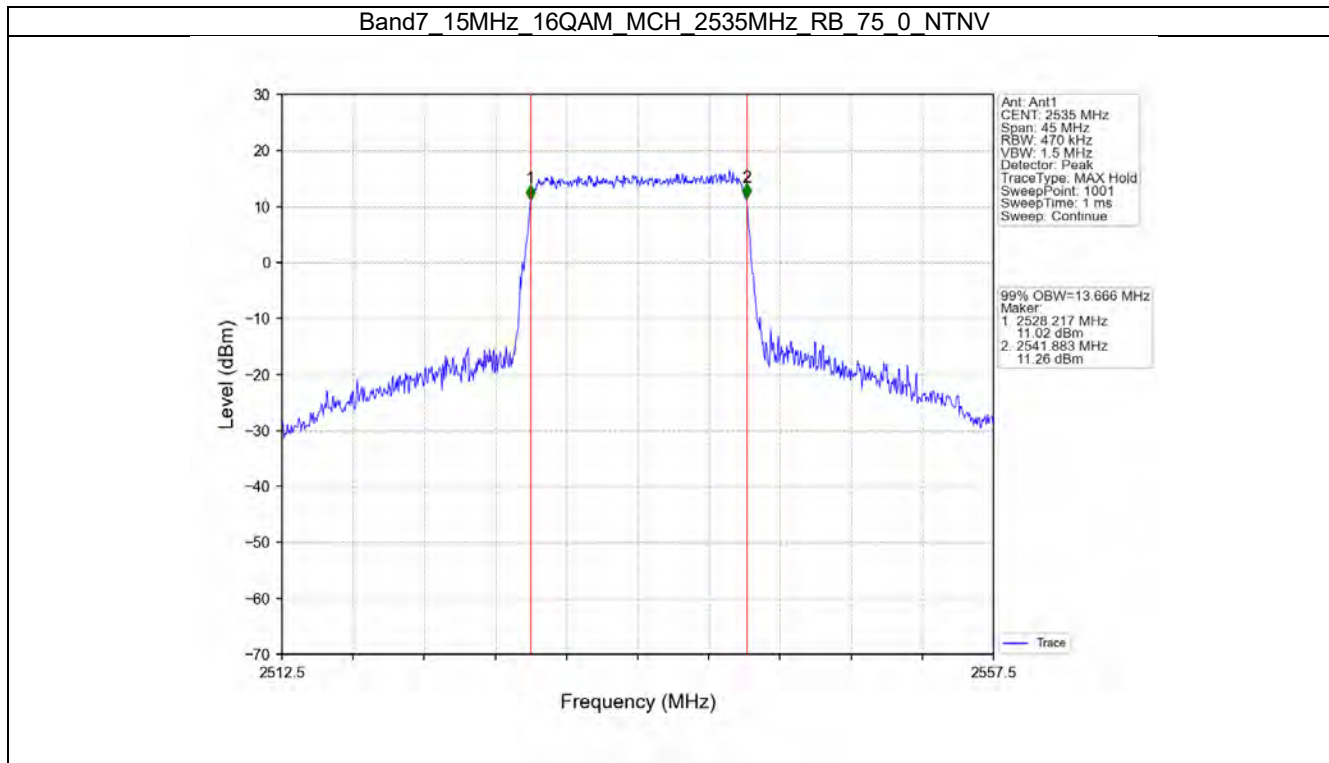
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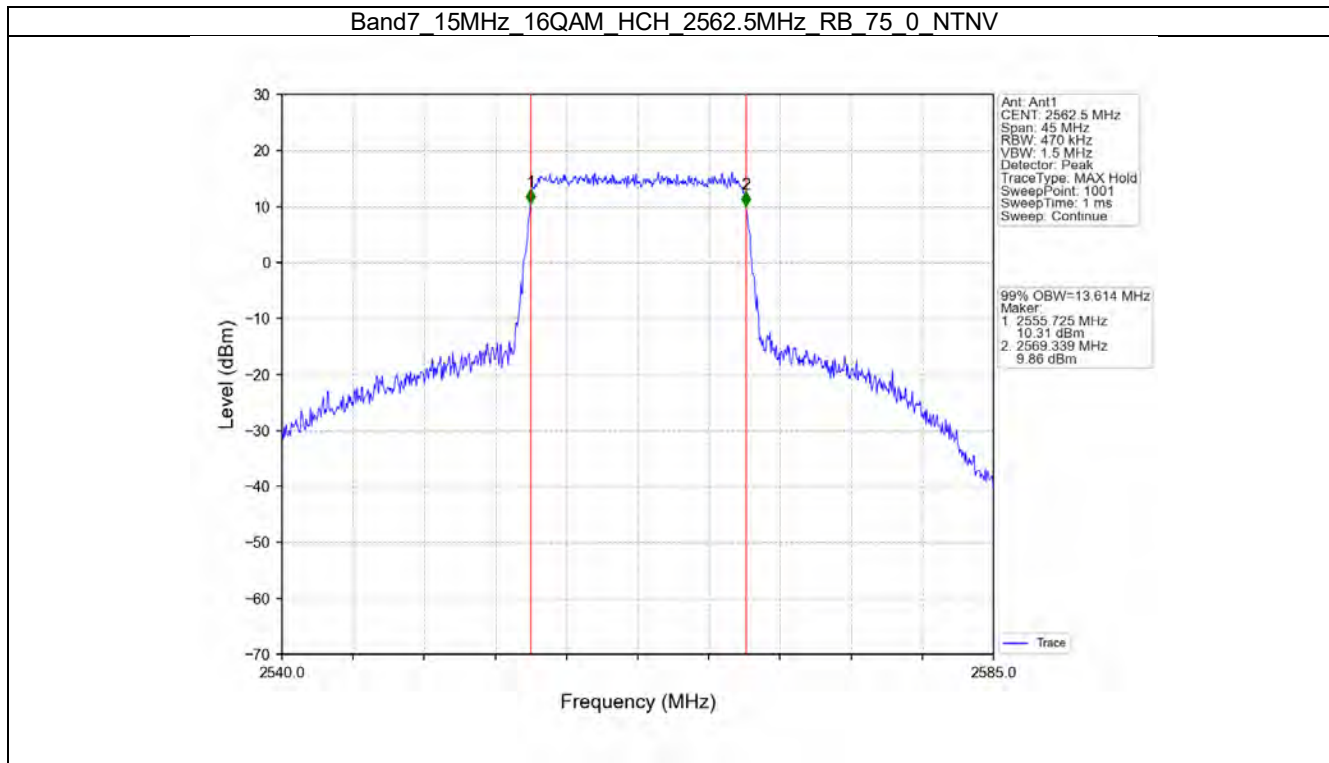
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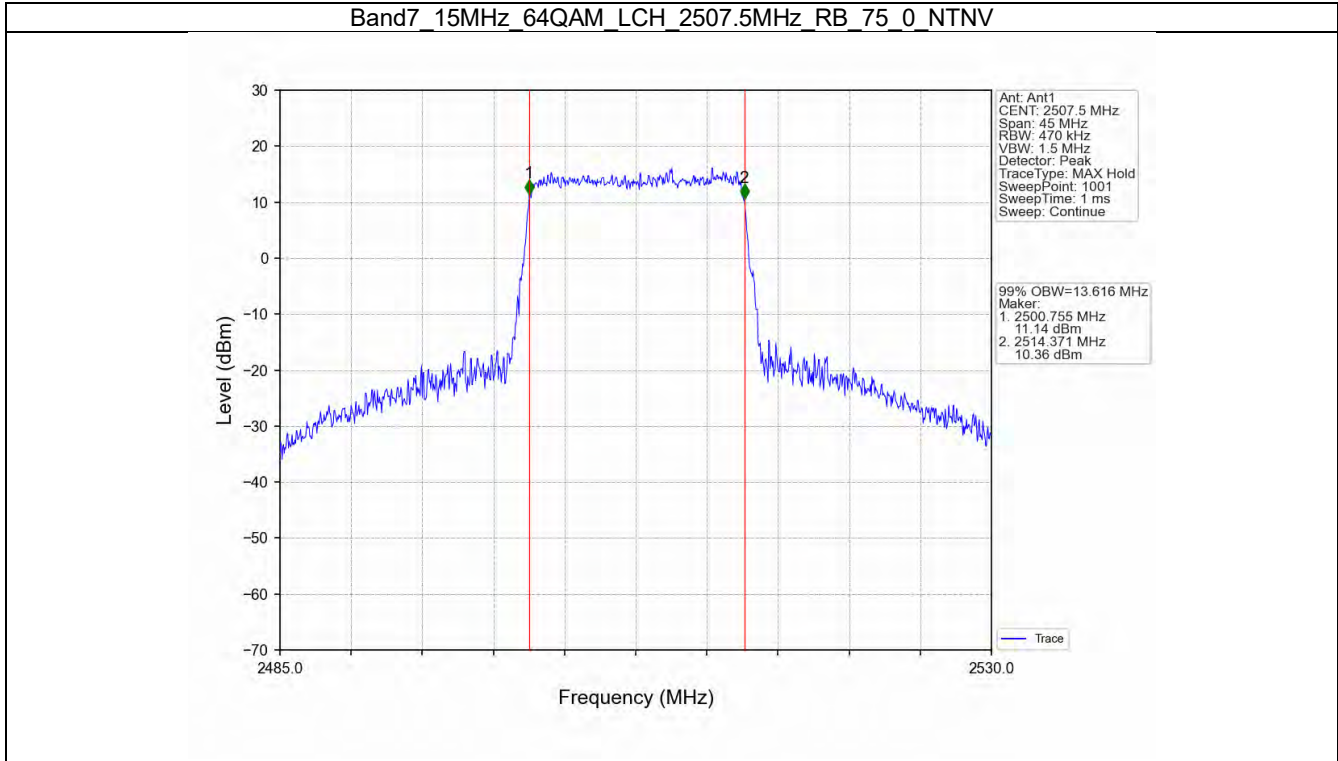


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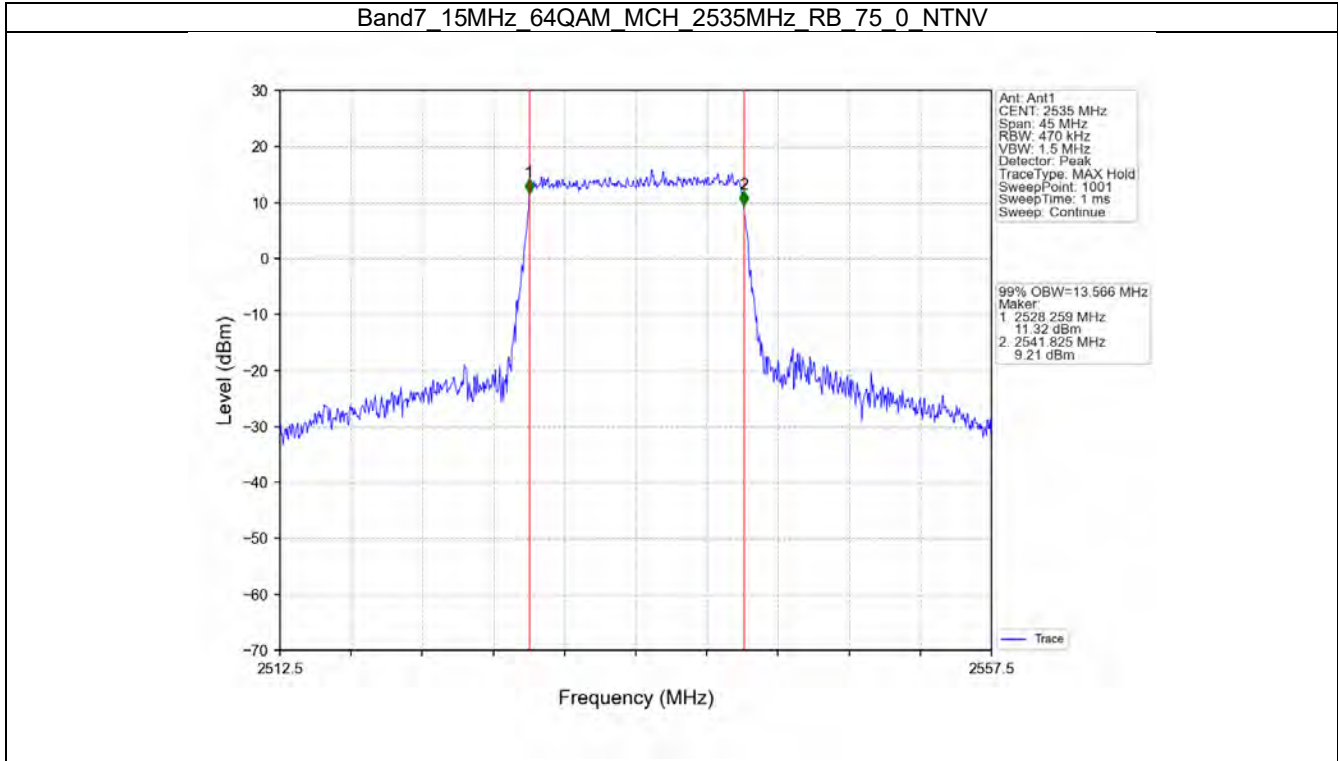


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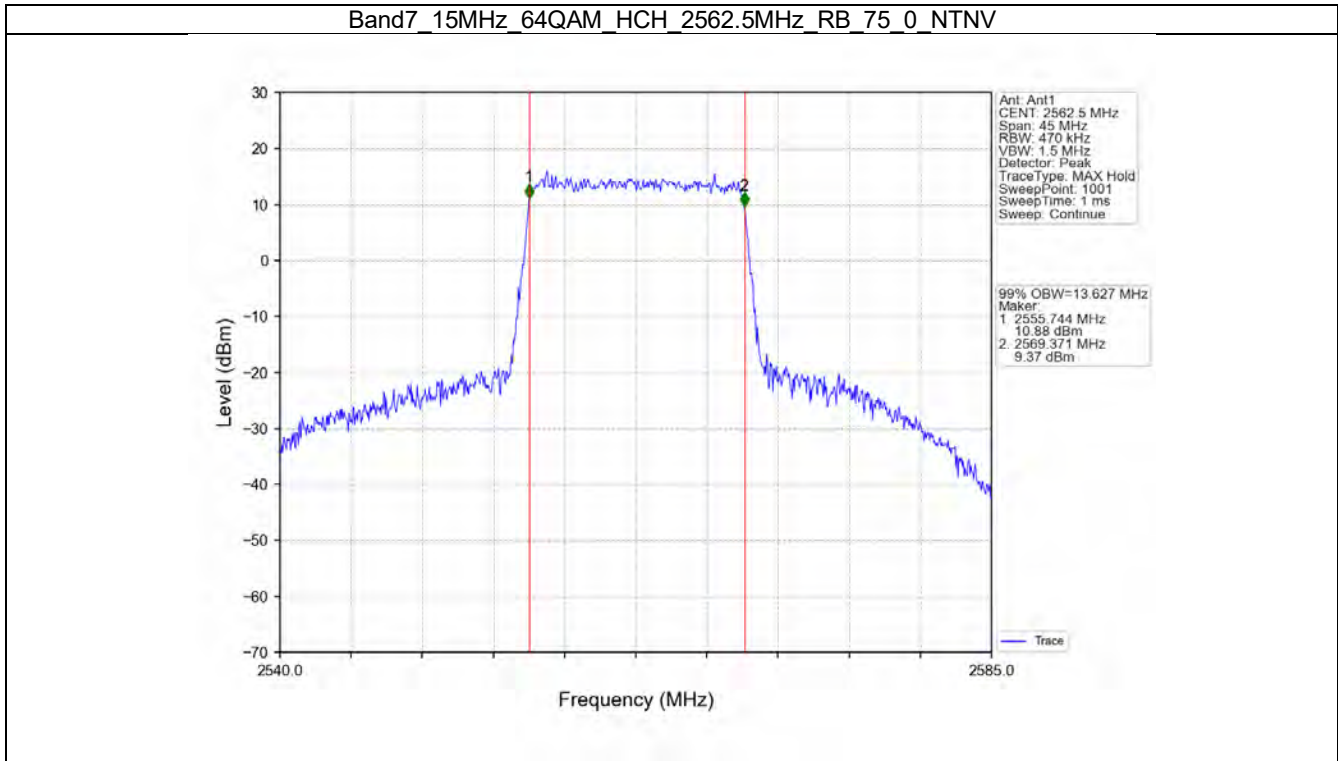


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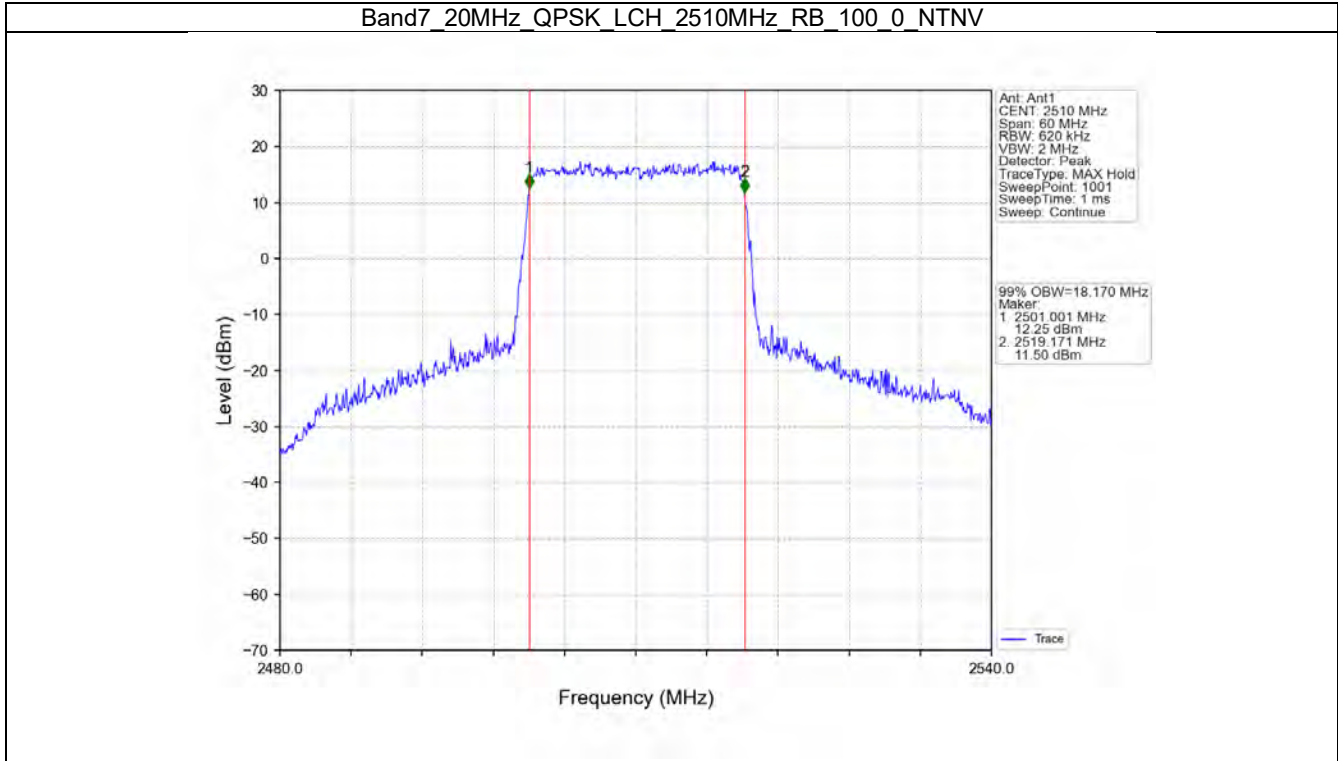


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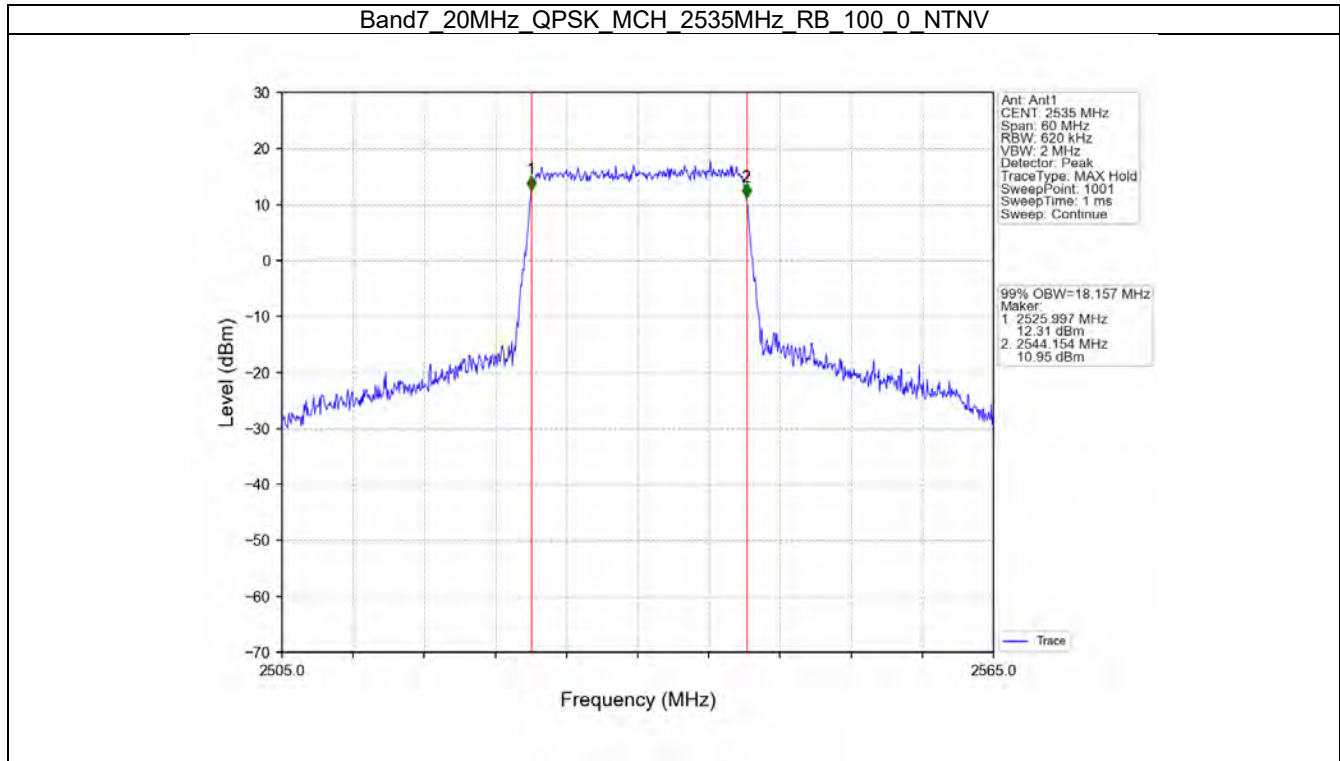


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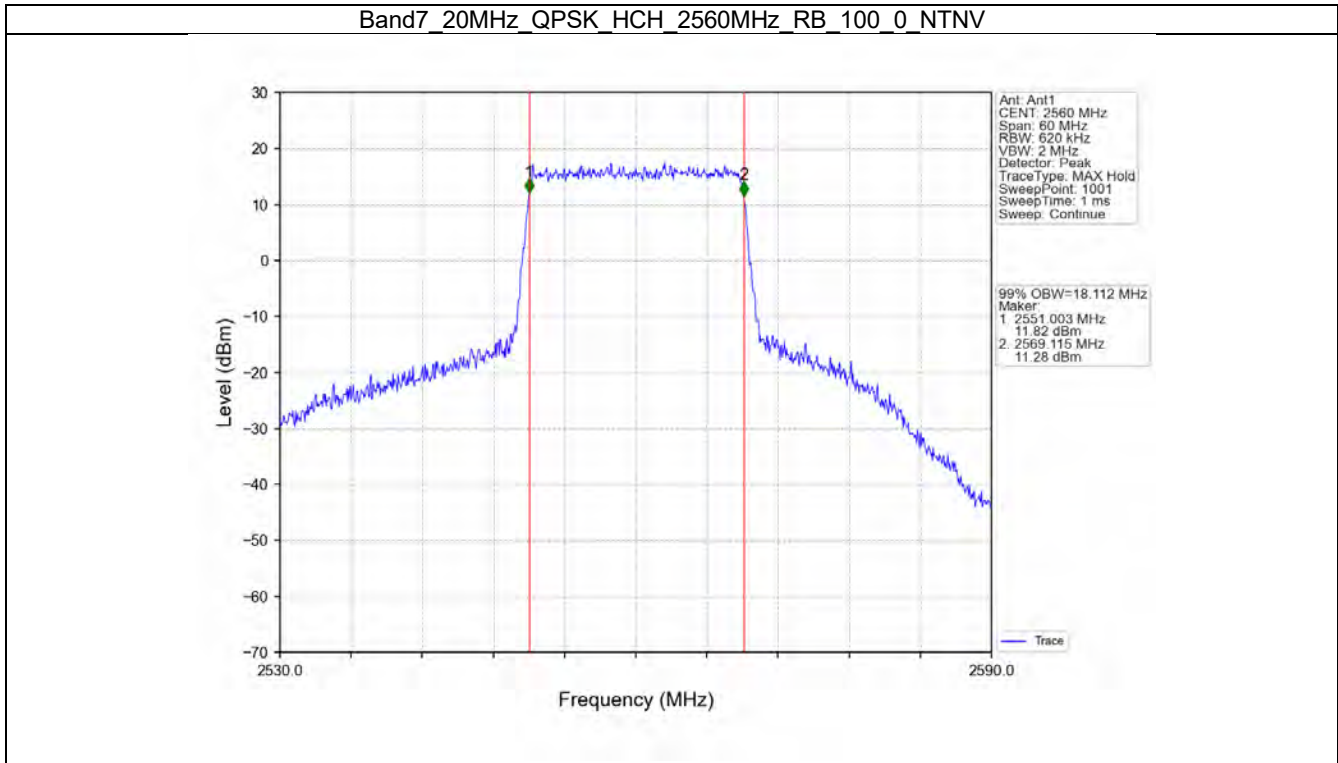


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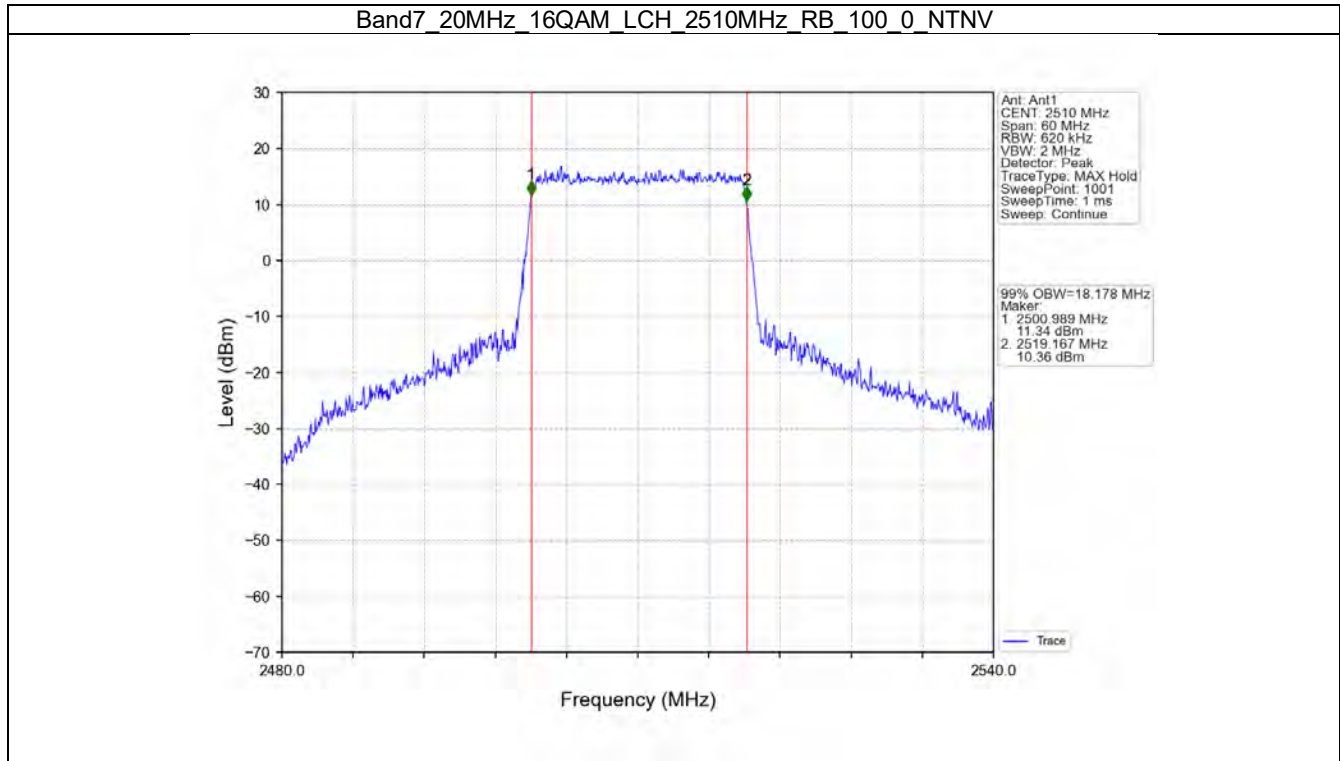


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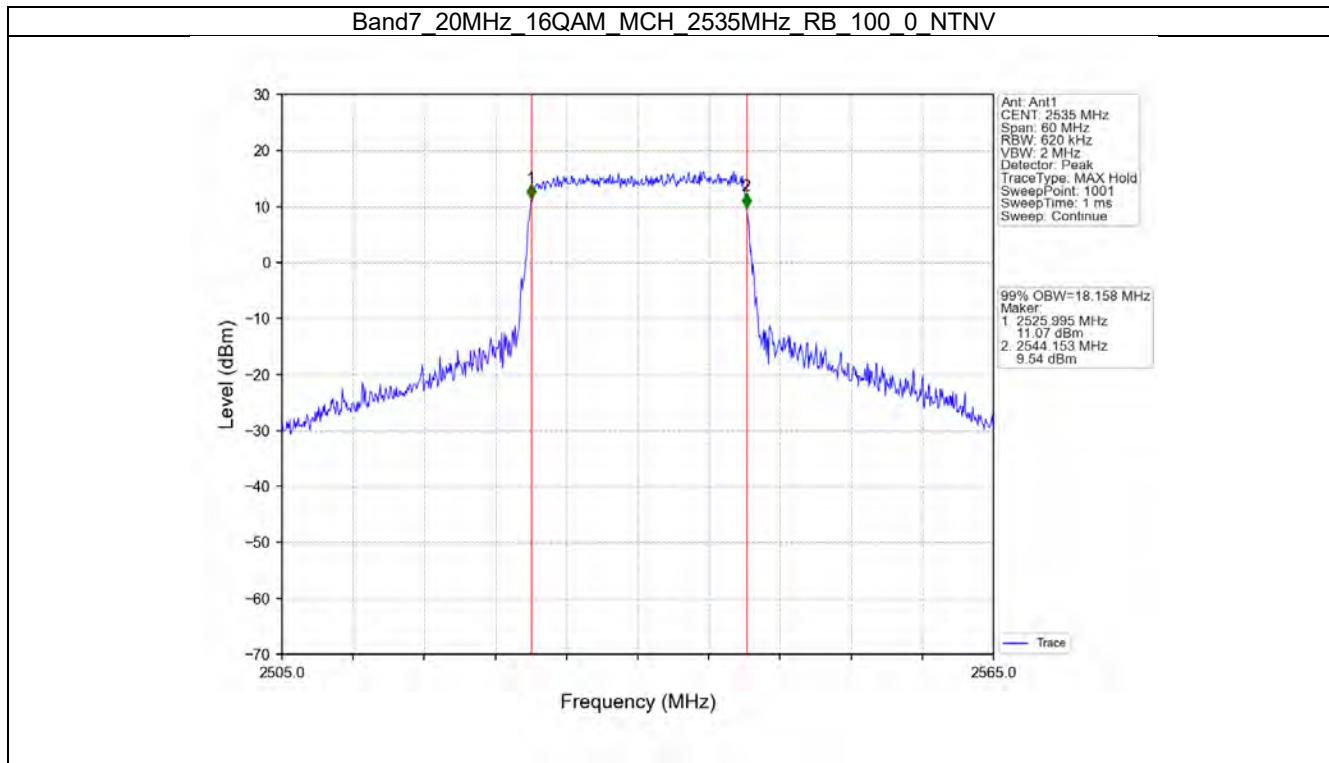
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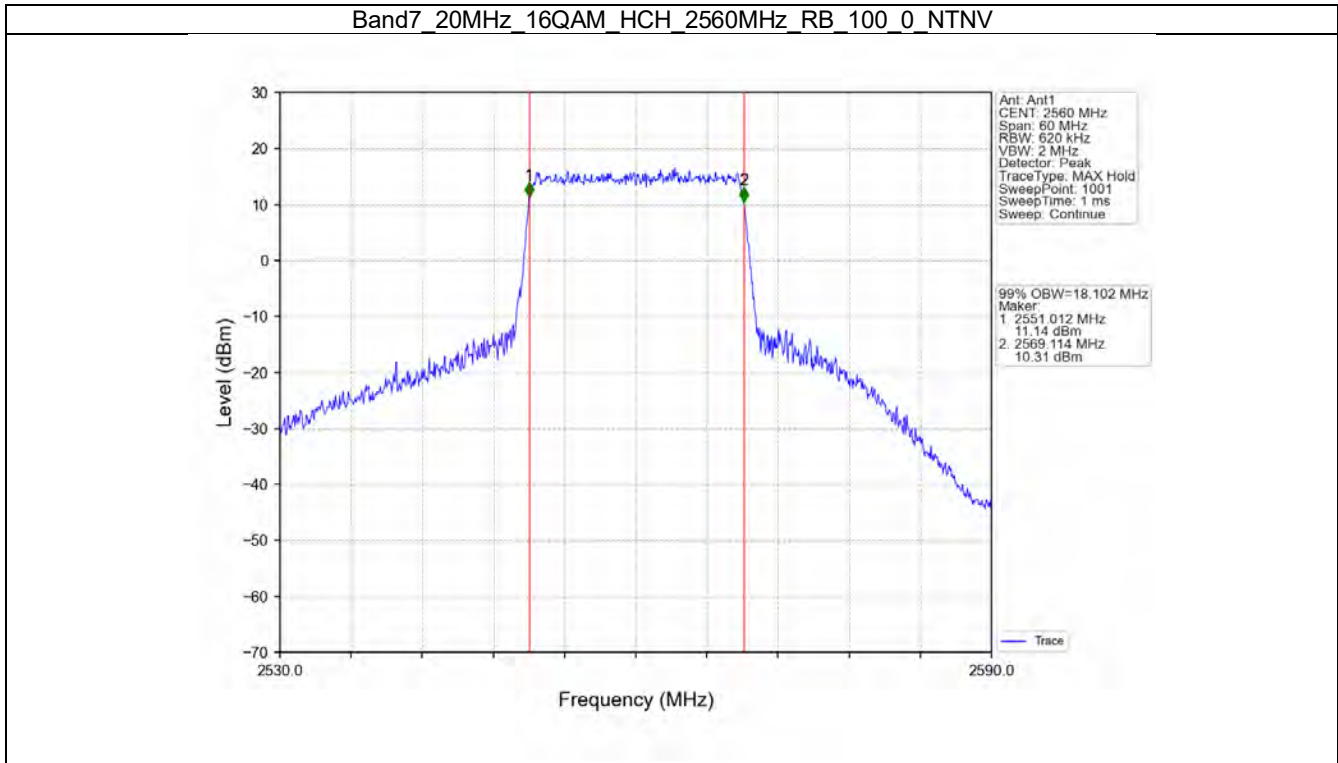


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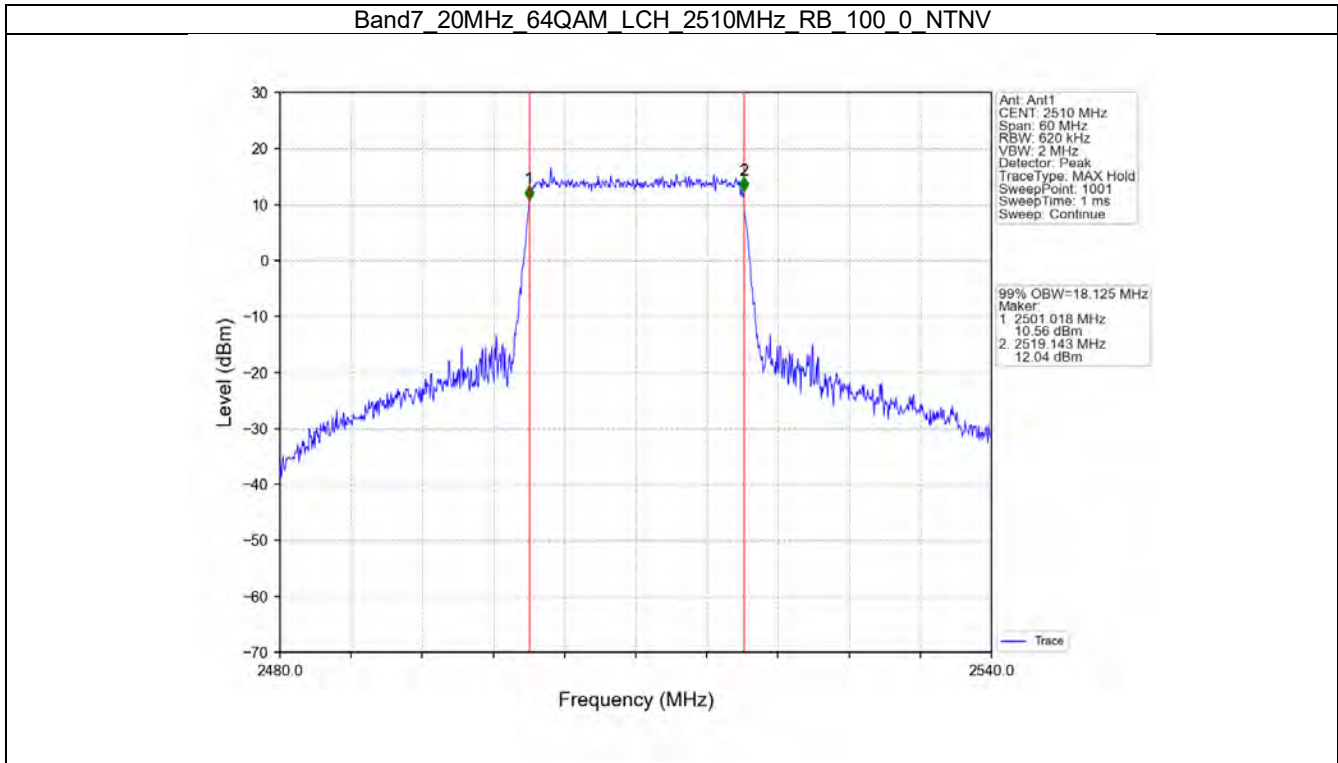


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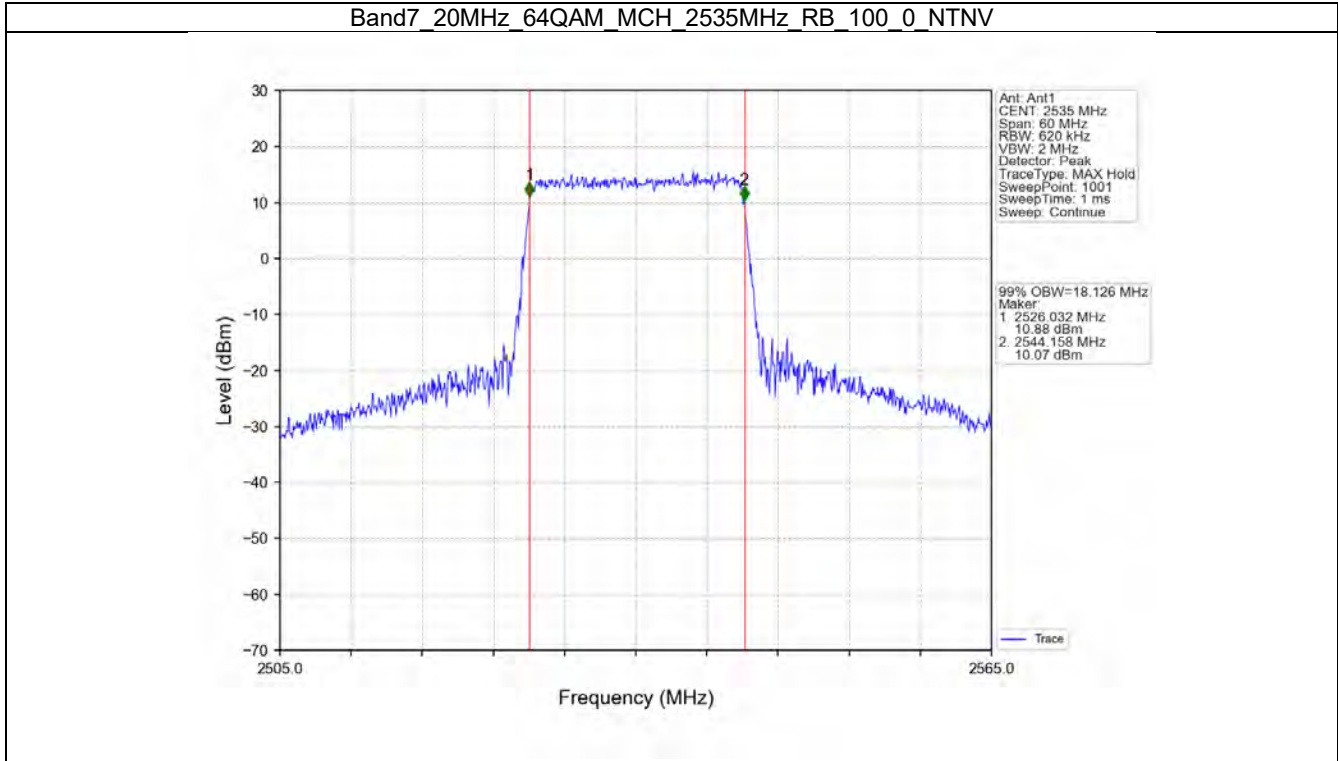


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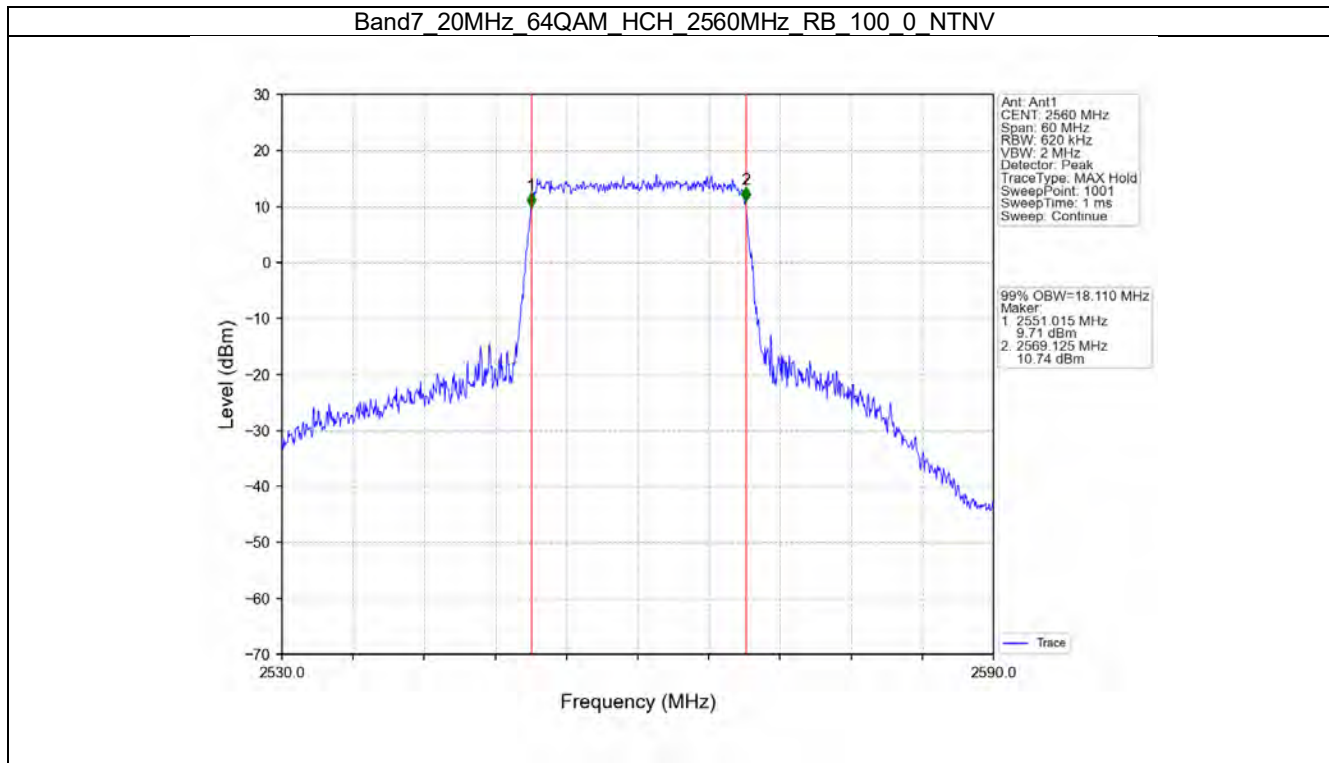
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3.2 Band7_XDB

3.2.1 Test Result

Band: 7 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.296	/	Pass
		2535	25	0	5.328	/	Pass
		2567.5	25	0	5.307	/	Pass
	16QAM	2502.5	25	0	5.254	/	Pass
		2535	25	0	5.218	/	Pass
		2567.5	25	0	5.230	/	Pass
	64QAM	2502.5	25	0	5.237	/	Pass
		2535	25	0	5.259	/	Pass
		2567.5	25	0	5.257	/	Pass
10	QPSK	2505	50	0	10.413	/	Pass
		2535	50	0	10.175	/	Pass
		2565	50	0	10.258	/	Pass
	16QAM	2505	50	0	10.210	/	Pass
		2535	50	0	10.233	/	Pass
		2565	50	0	10.131	/	Pass
	64QAM	2505	50	0	10.157	/	Pass
		2535	50	0	10.254	/	Pass
		2565	50	0	10.107	/	Pass
15	QPSK	2507.5	75	0	15.322	/	Pass
		2535	75	0	15.136	/	Pass
		2562.5	75	0	15.288	/	Pass
	16QAM	2507.5	75	0	15.361	/	Pass
		2535	75	0	15.063	/	Pass
		2562.5	75	0	15.194	/	Pass
	64QAM	2507.5	75	0	15.235	/	Pass
		2535	75	0	15.162	/	Pass
		2562.5	75	0	15.051	/	Pass
20	QPSK	2510	100	0	20.039	/	Pass
		2535	100	0	20.075	/	Pass
		2560	100	0	20.054	/	Pass
	16QAM	2510	100	0	20.133	/	Pass
		2535	100	0	20.088	/	Pass
		2560	100	0	20.152	/	Pass
	64QAM	2510	100	0	19.950	/	Pass
		2535	100	0	20.149	/	Pass
		2560	100	0	20.102	/	Pass



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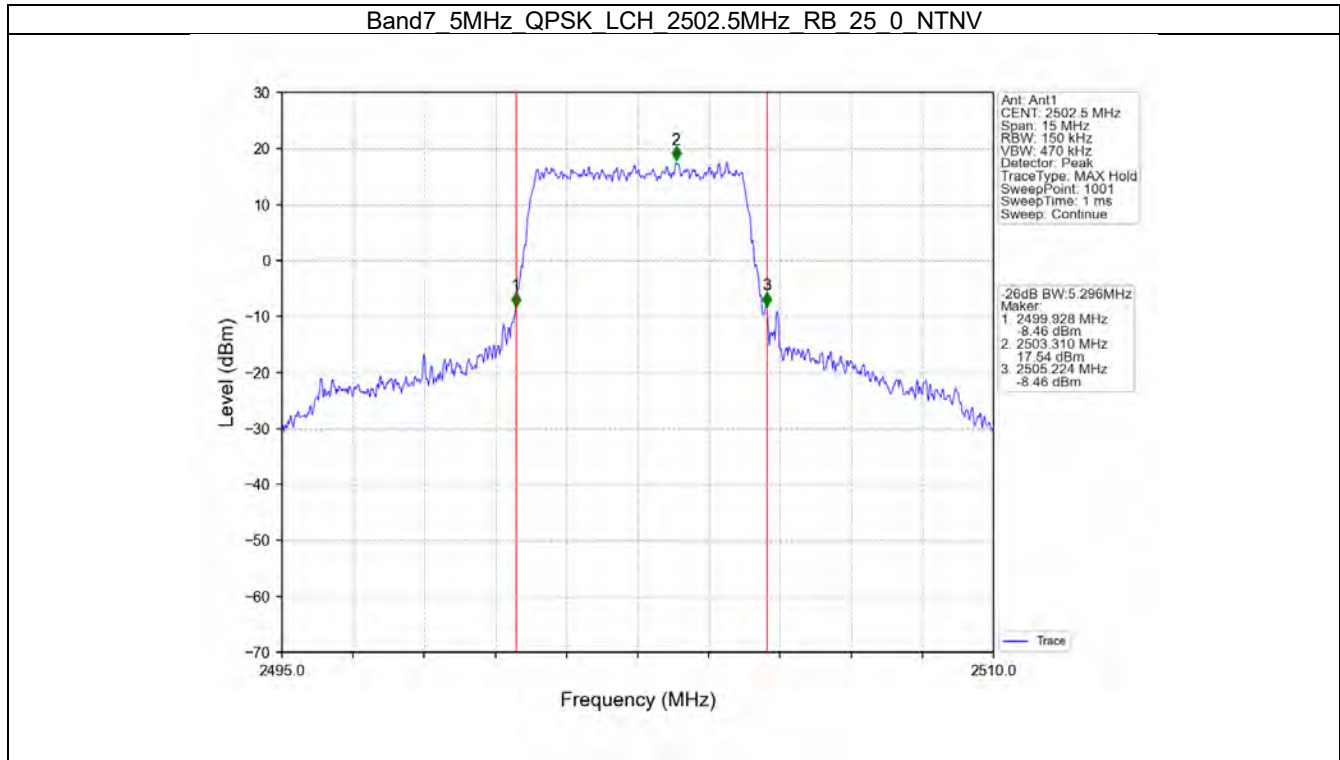
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3.2.2 Test Graph



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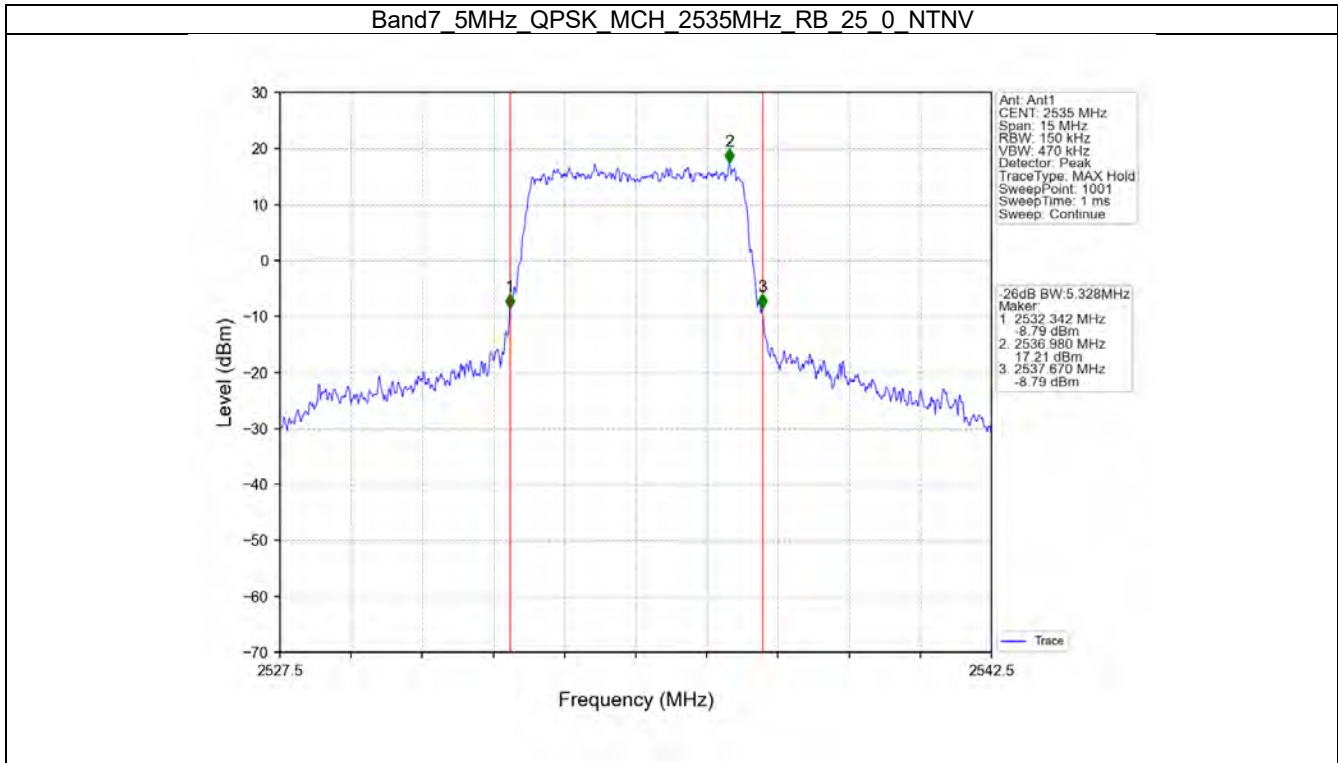


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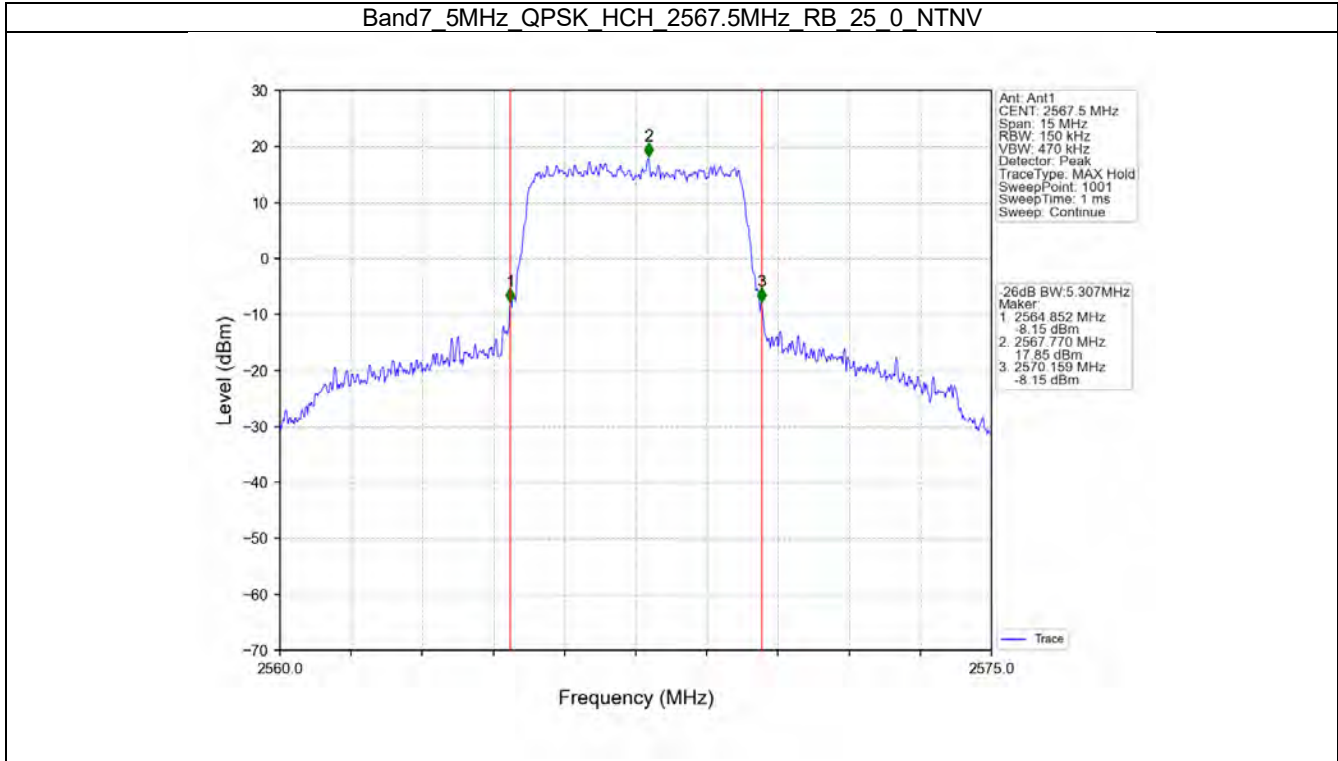


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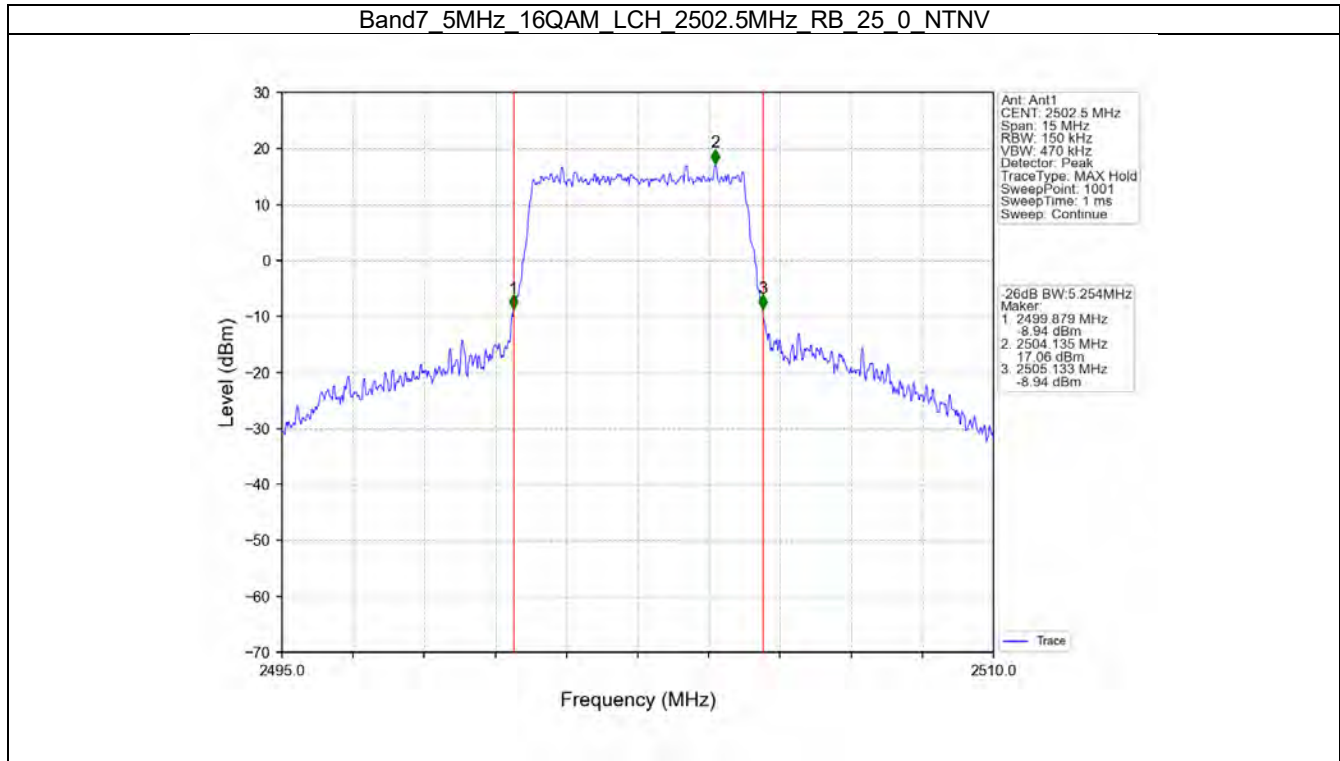


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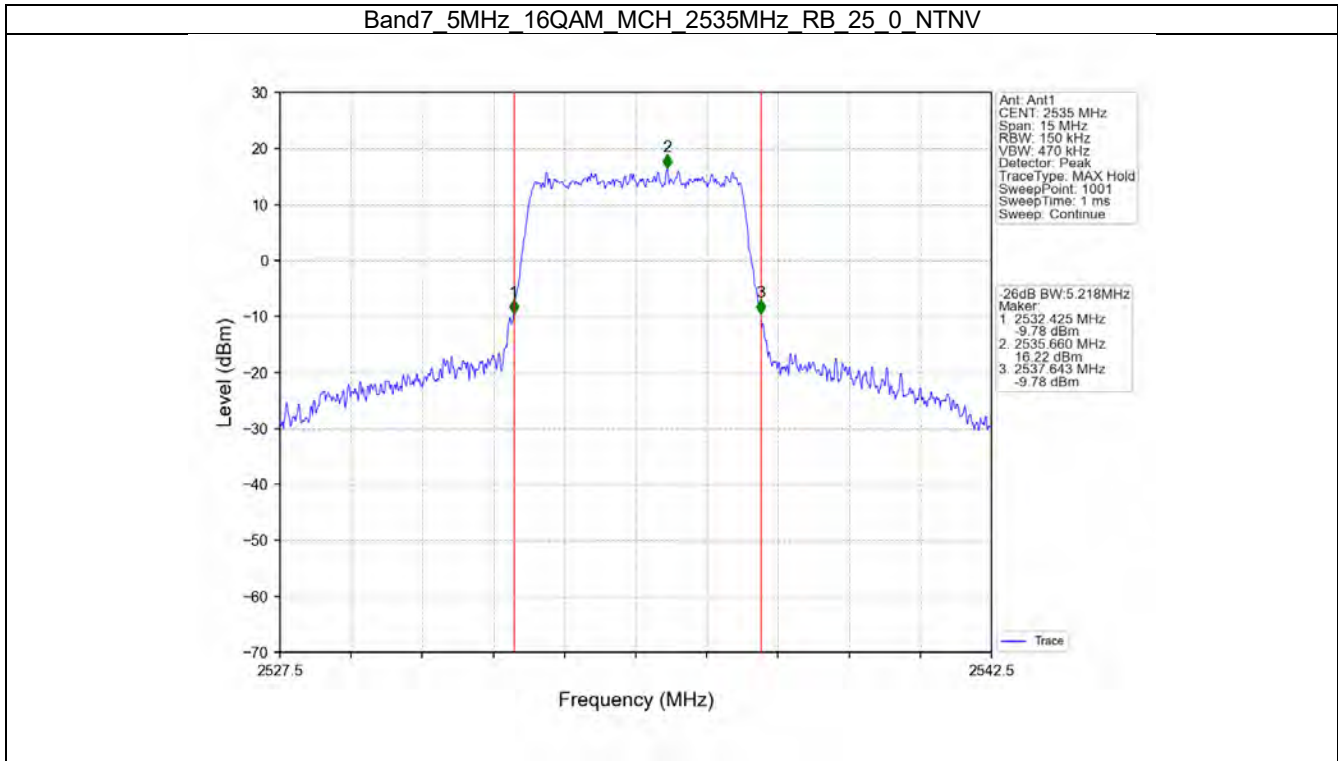


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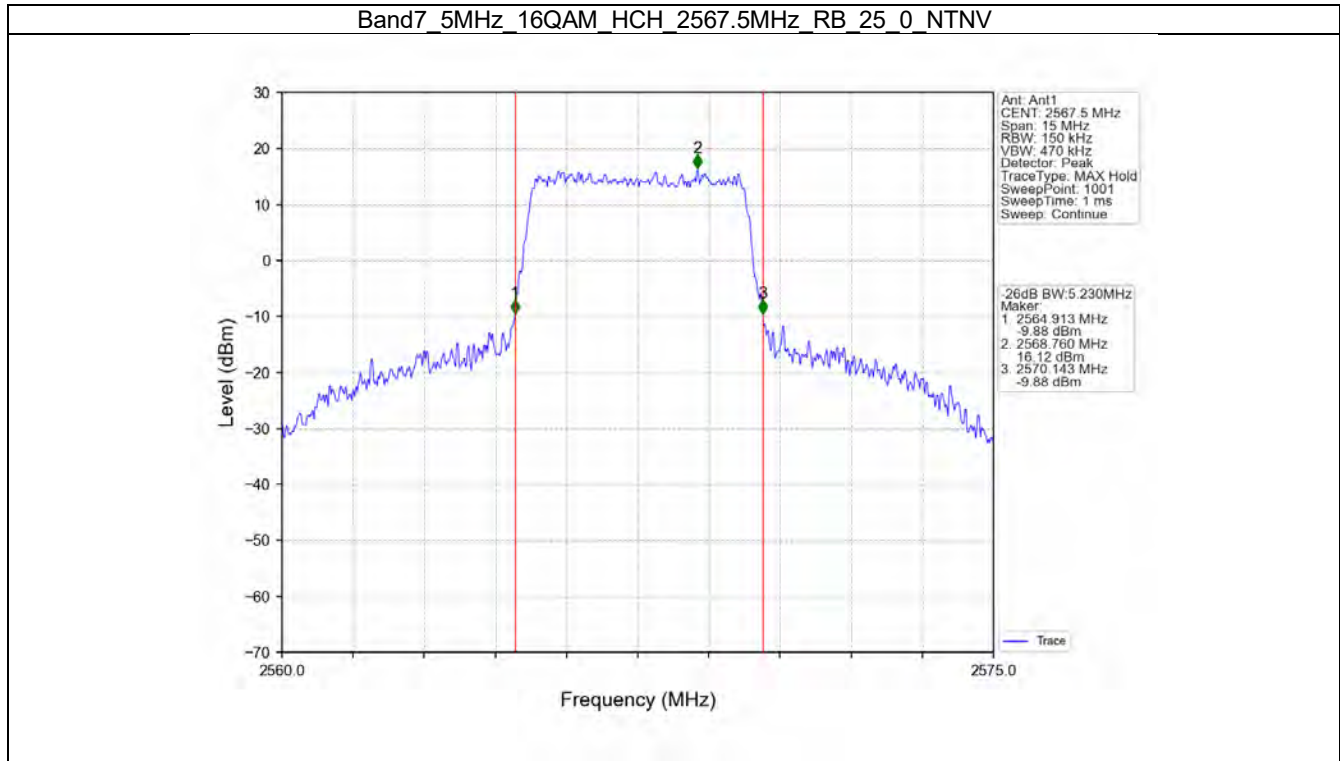


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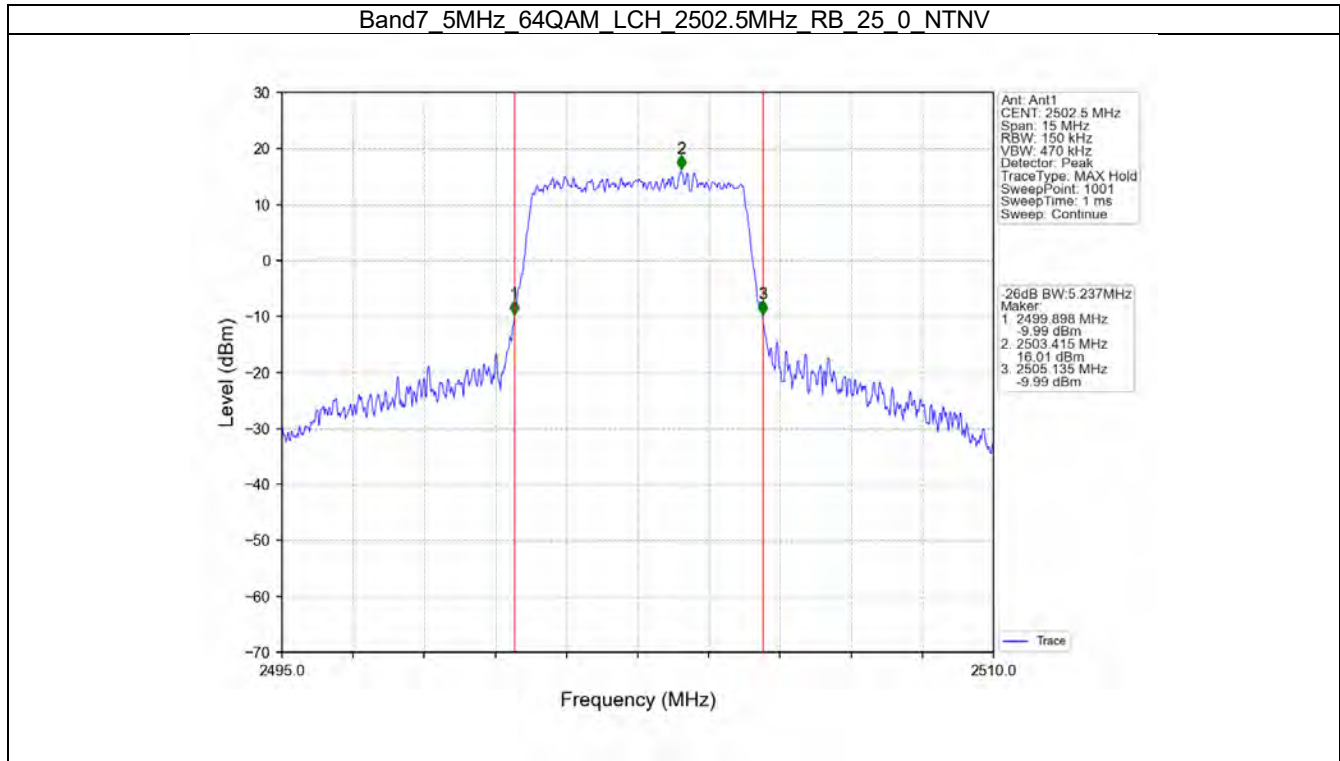


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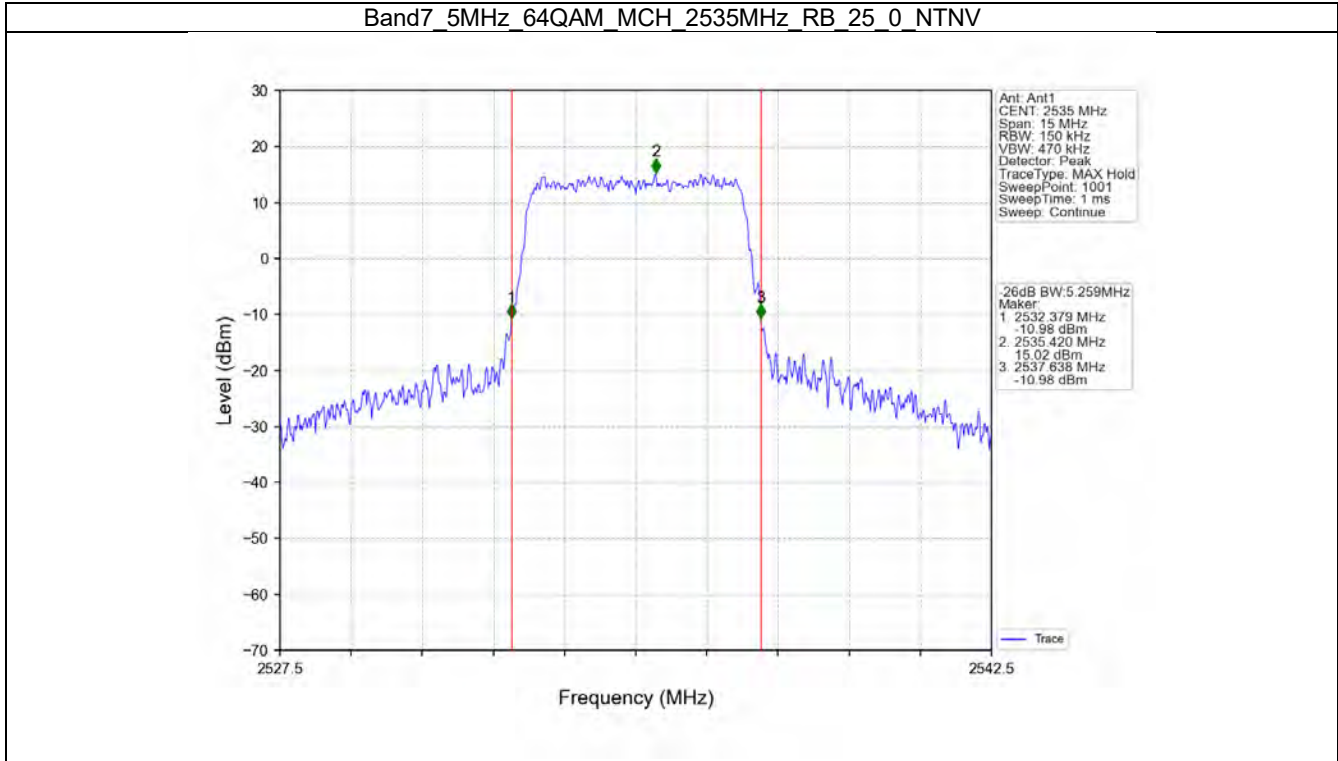


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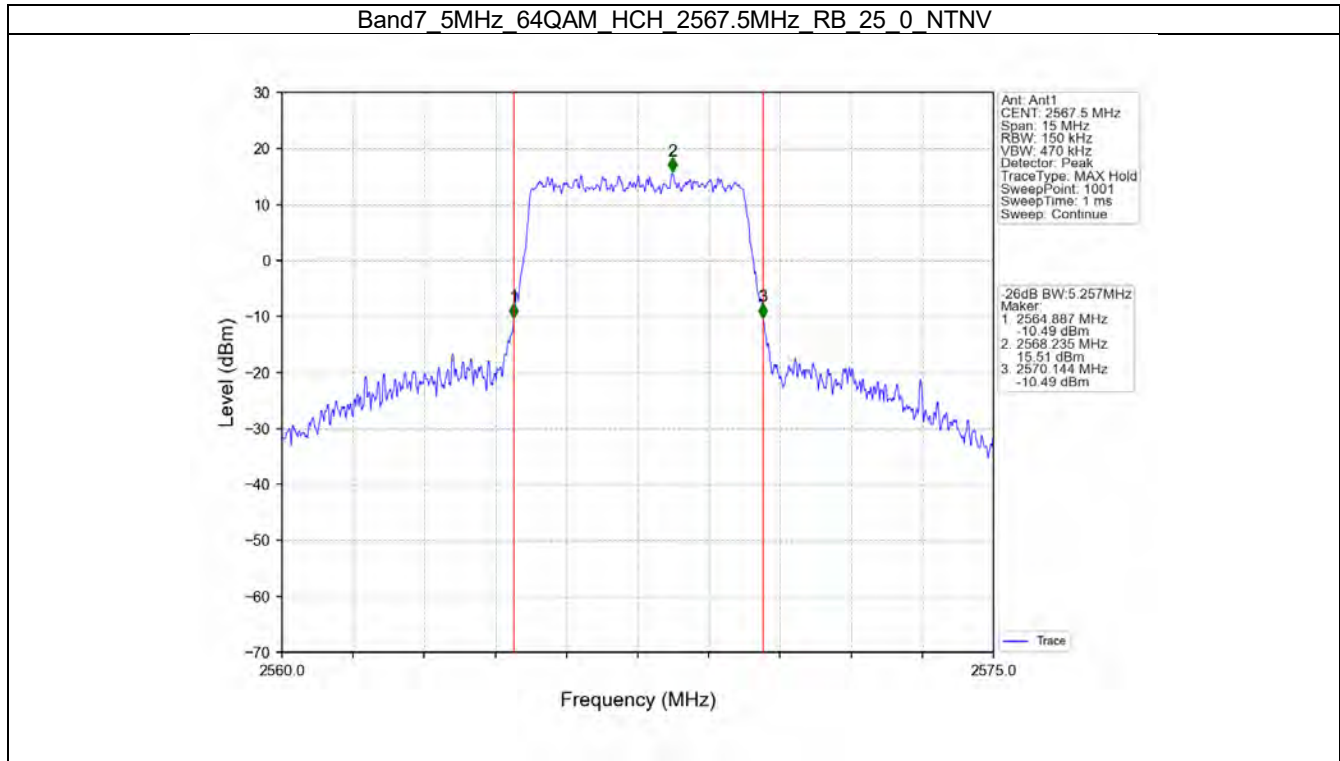


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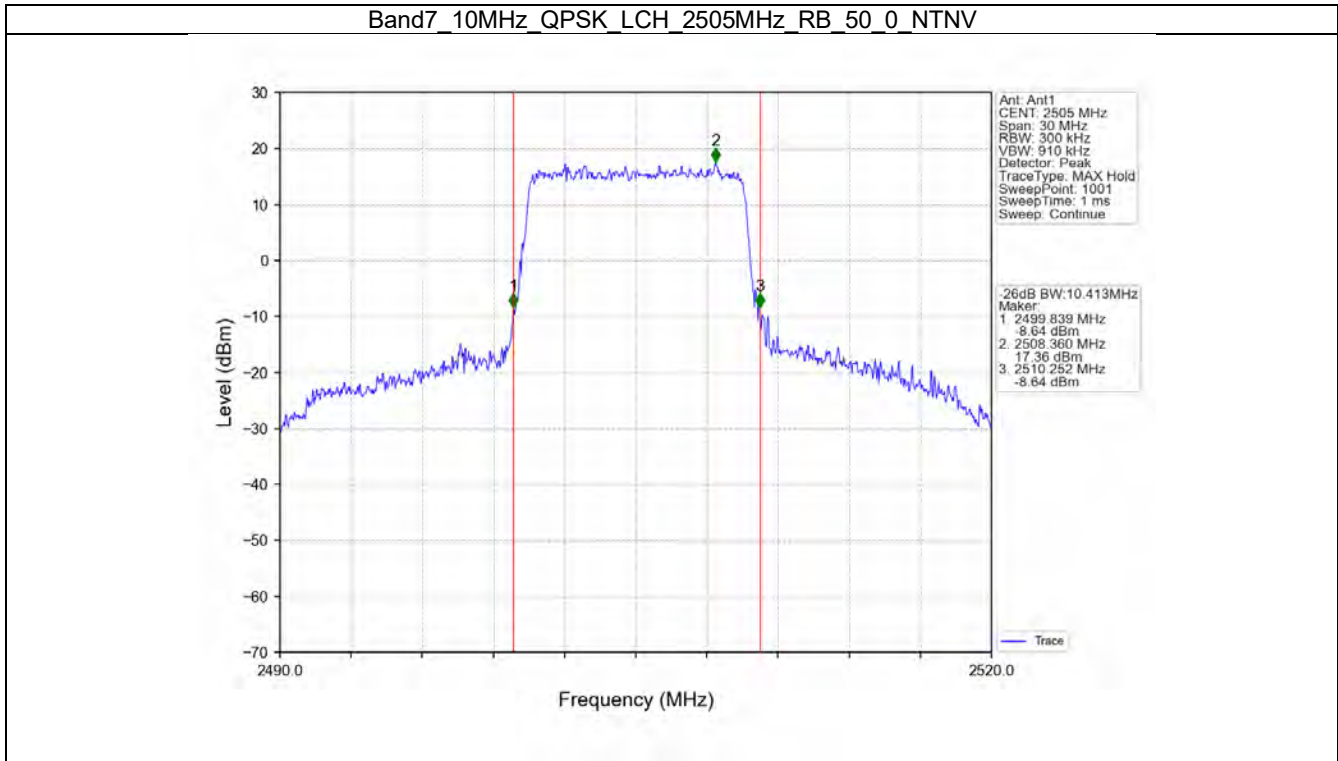


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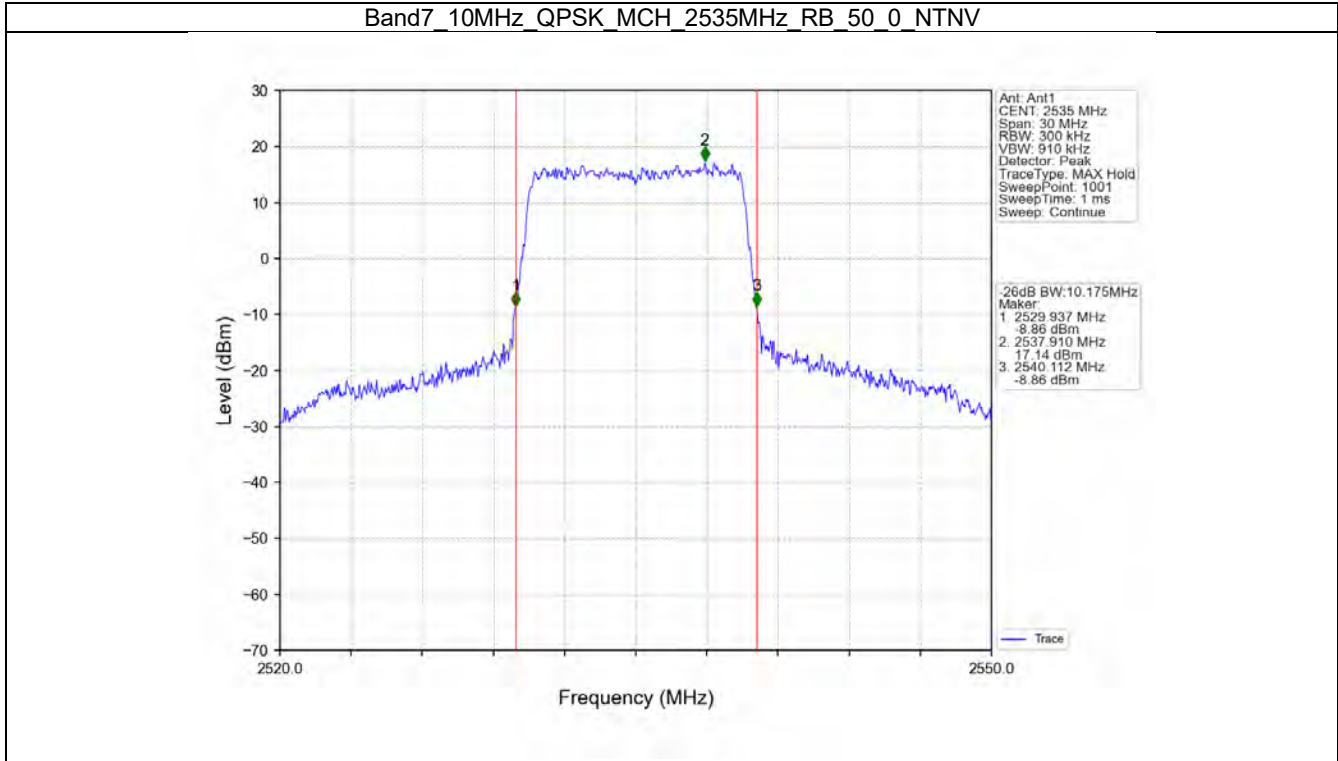


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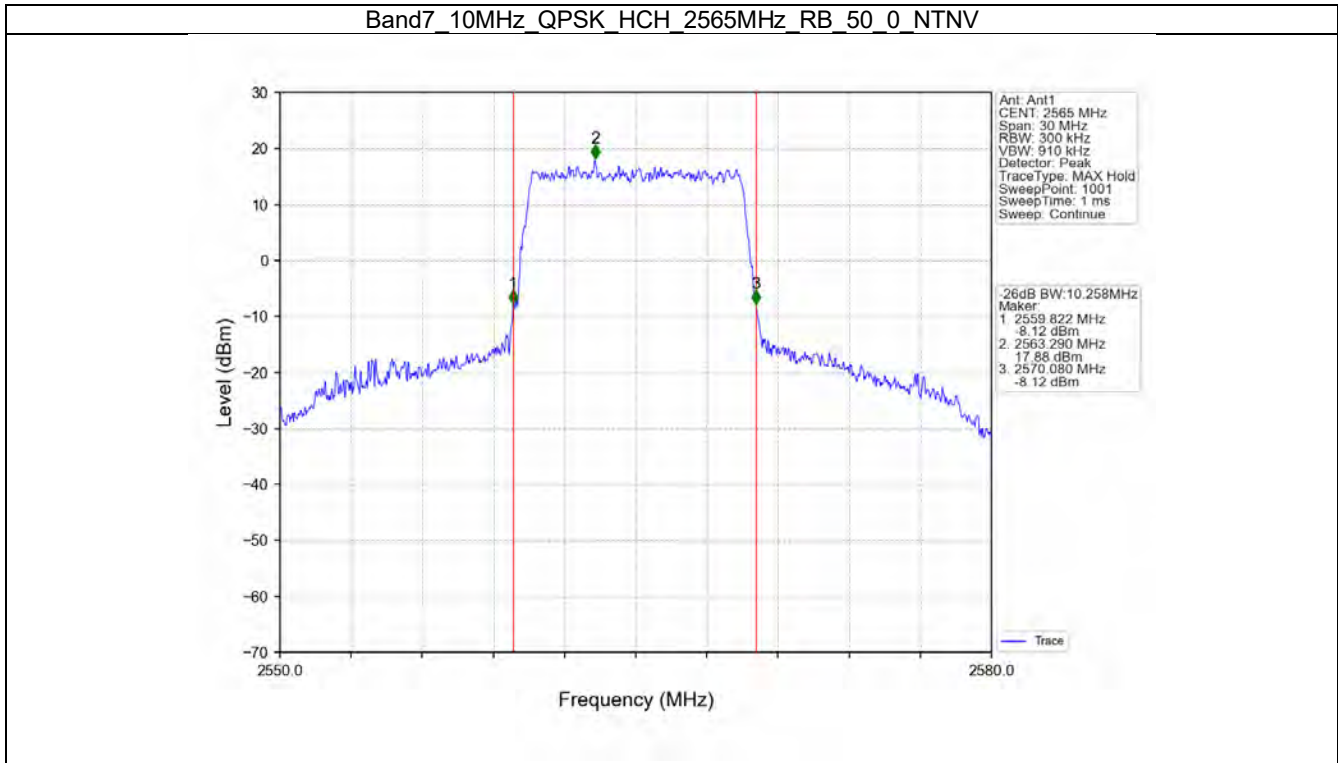


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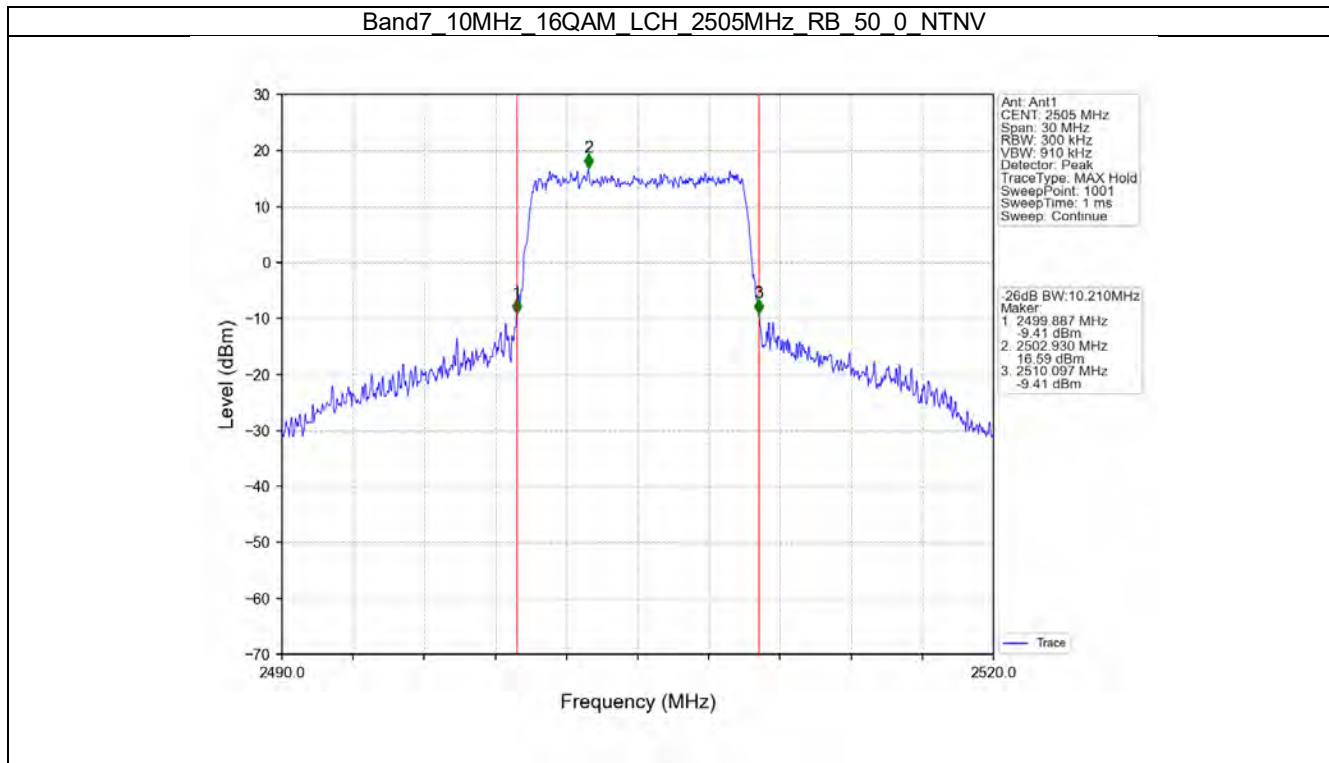
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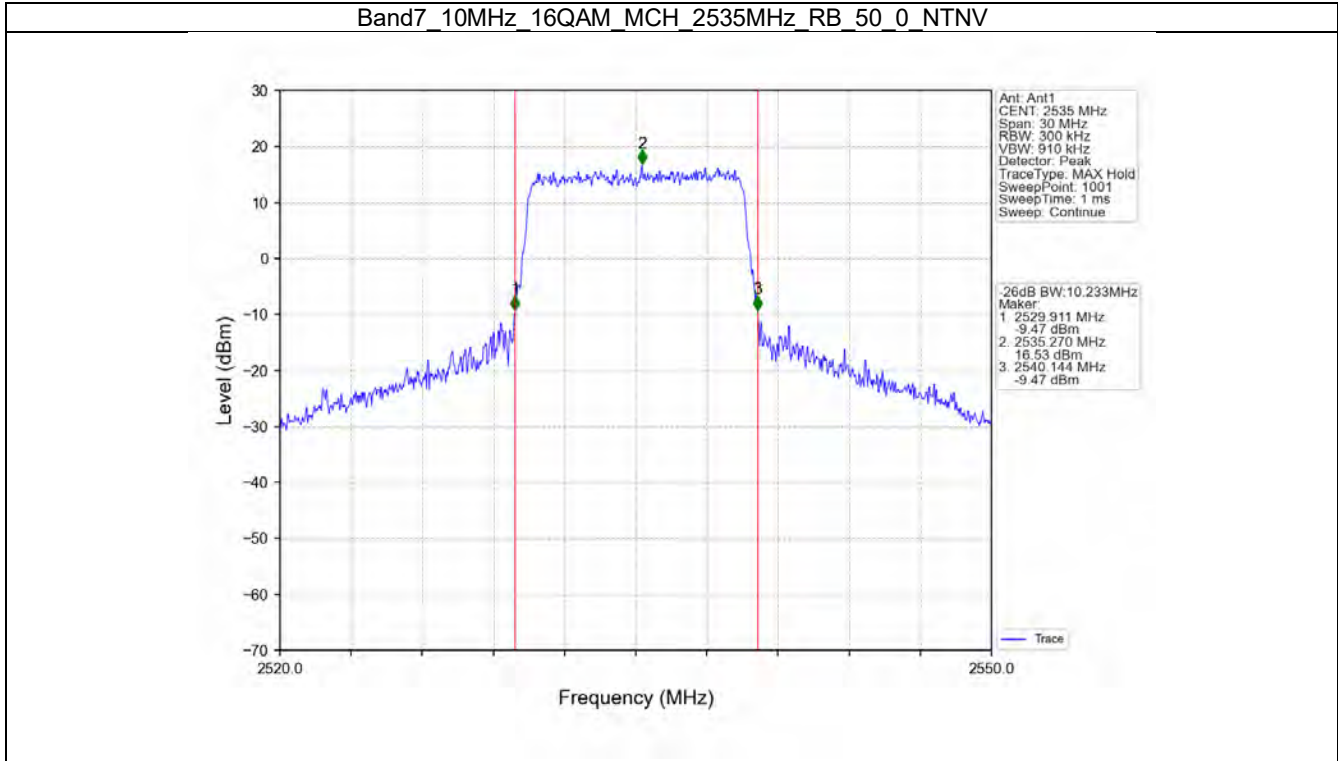


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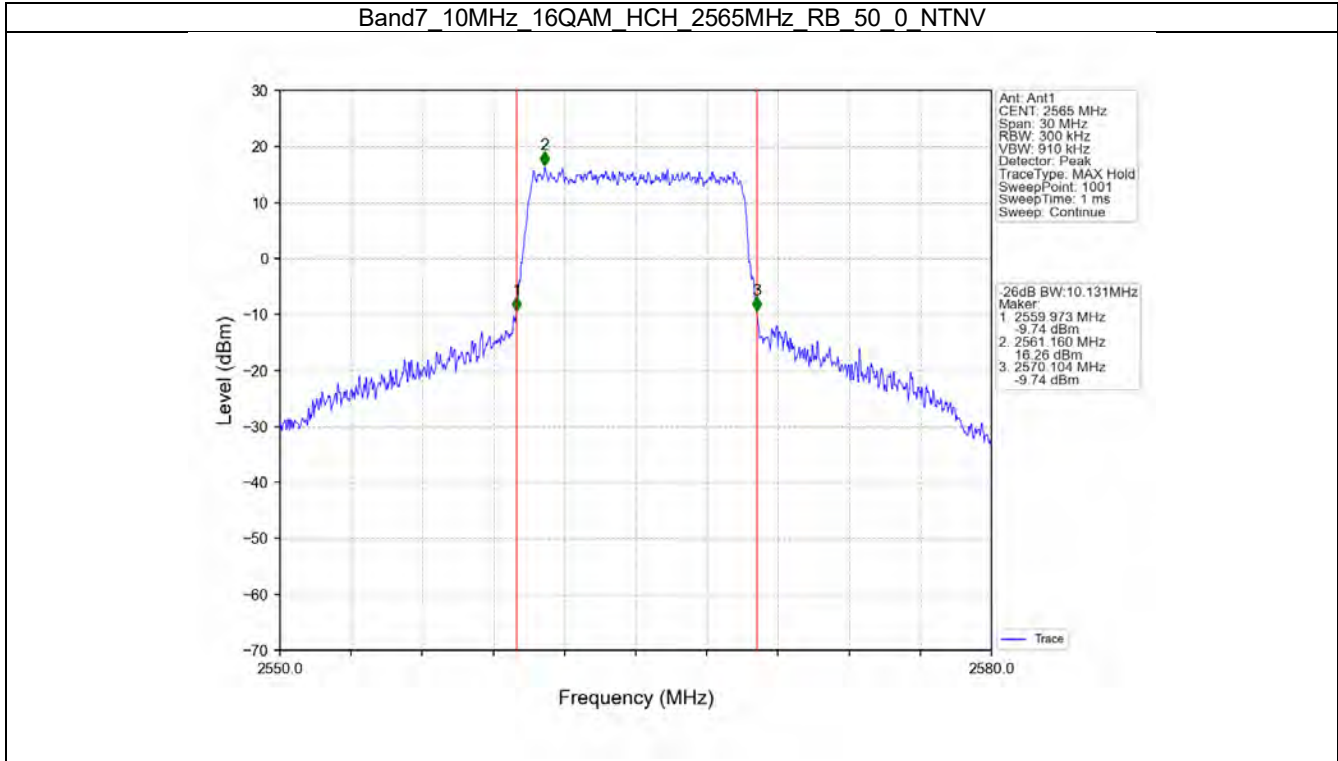


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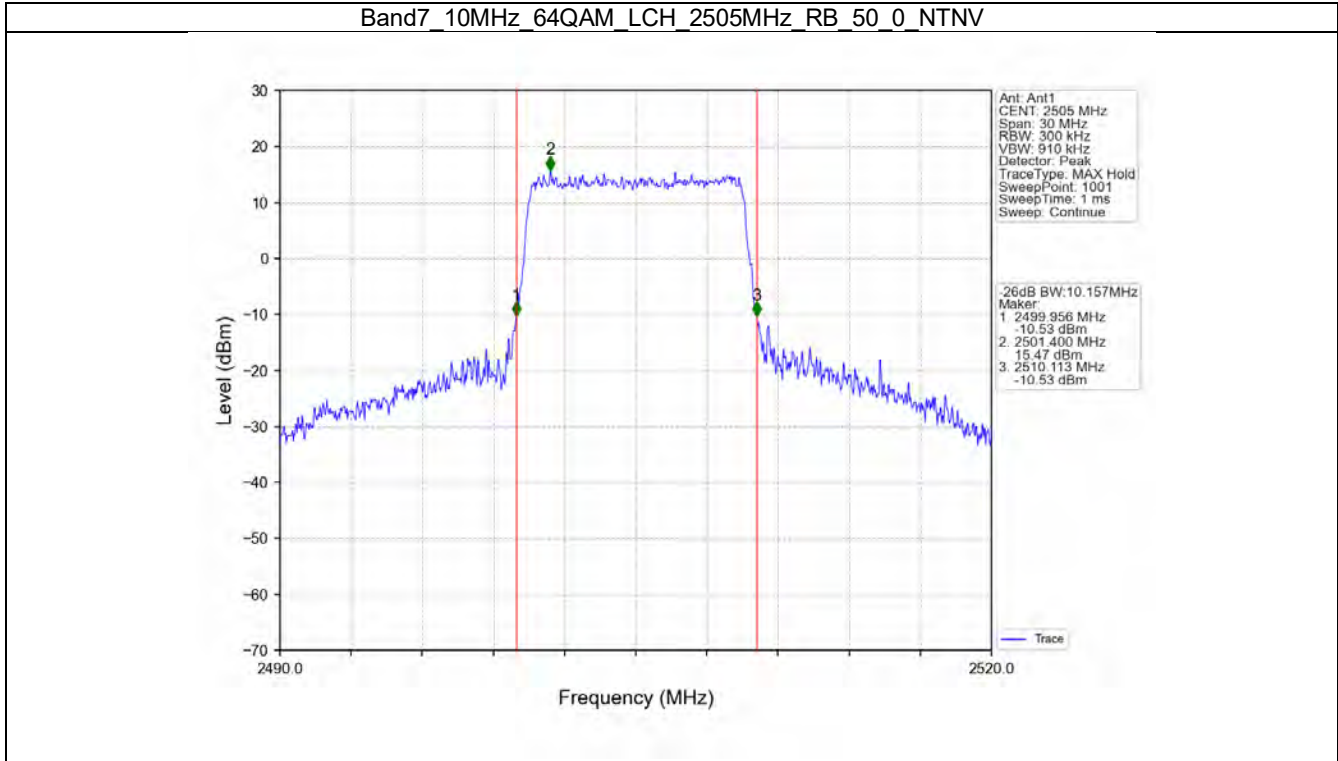


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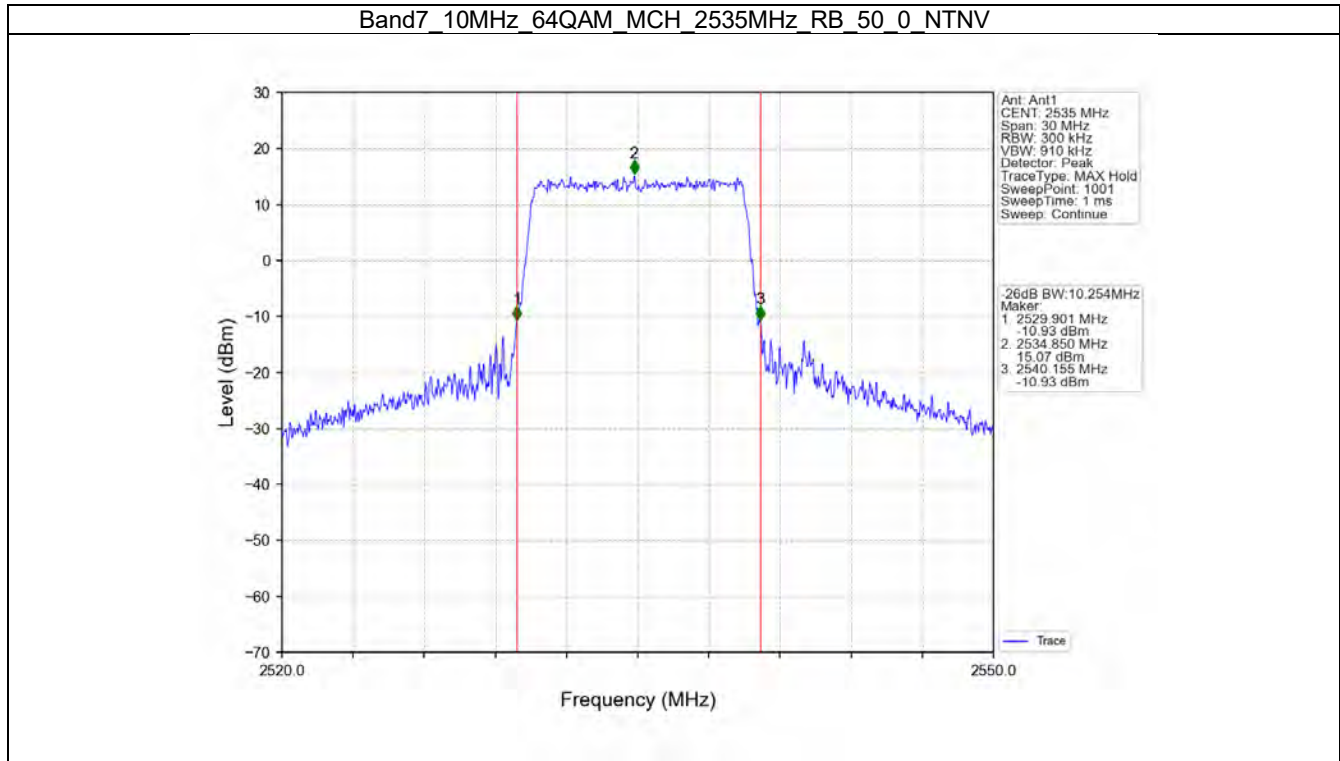


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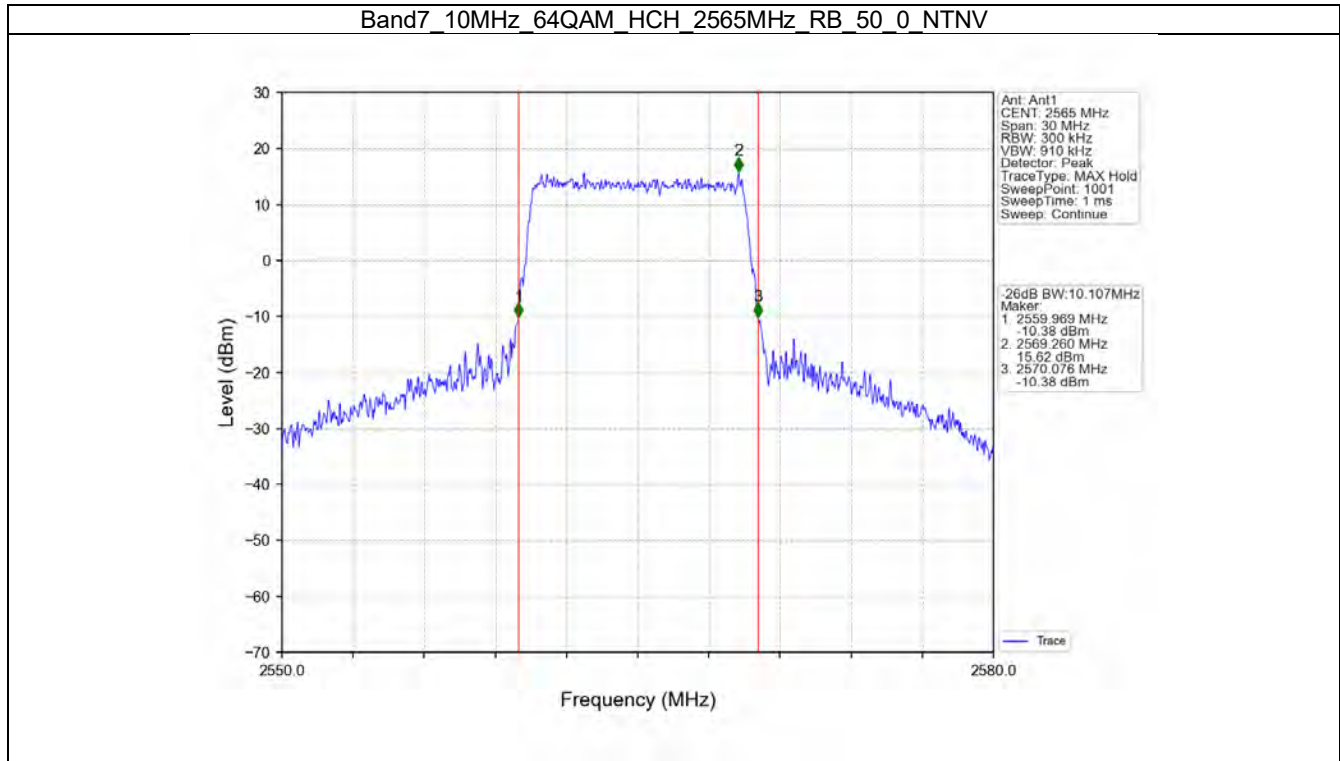


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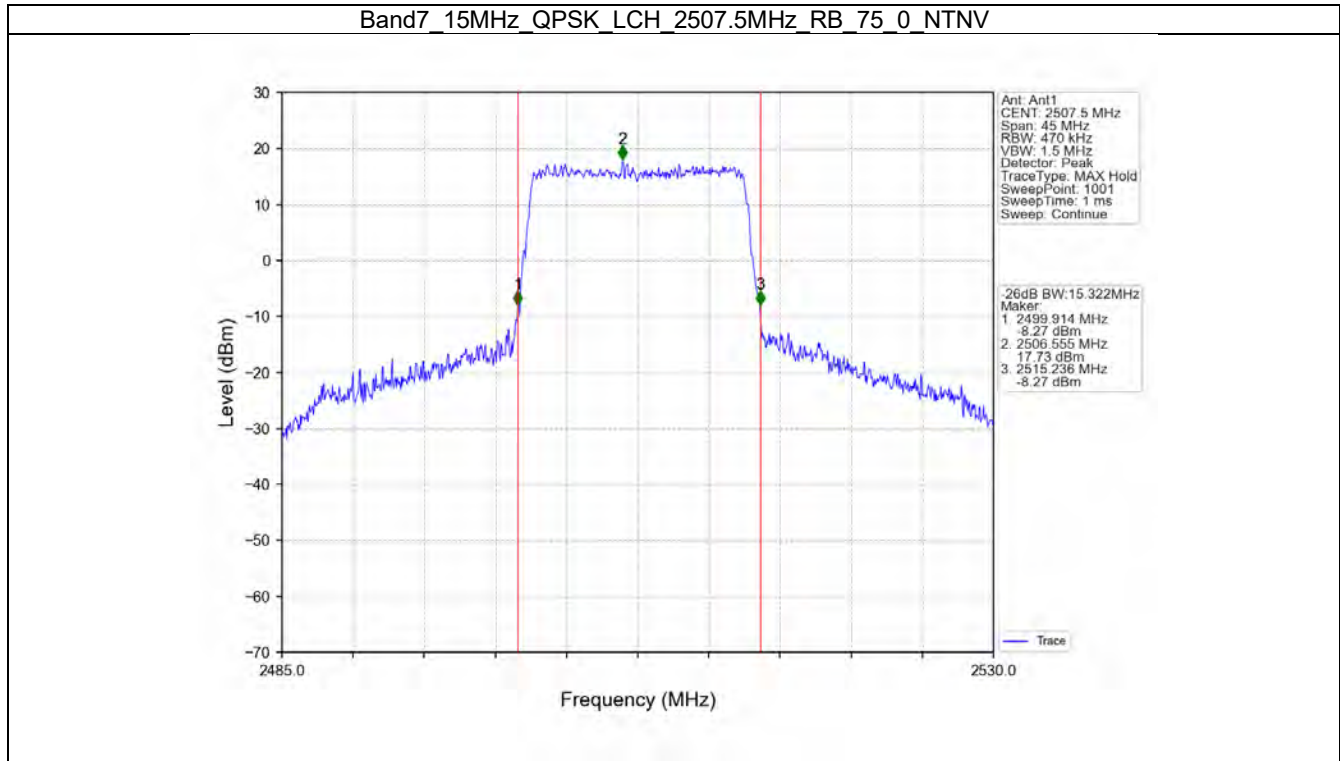


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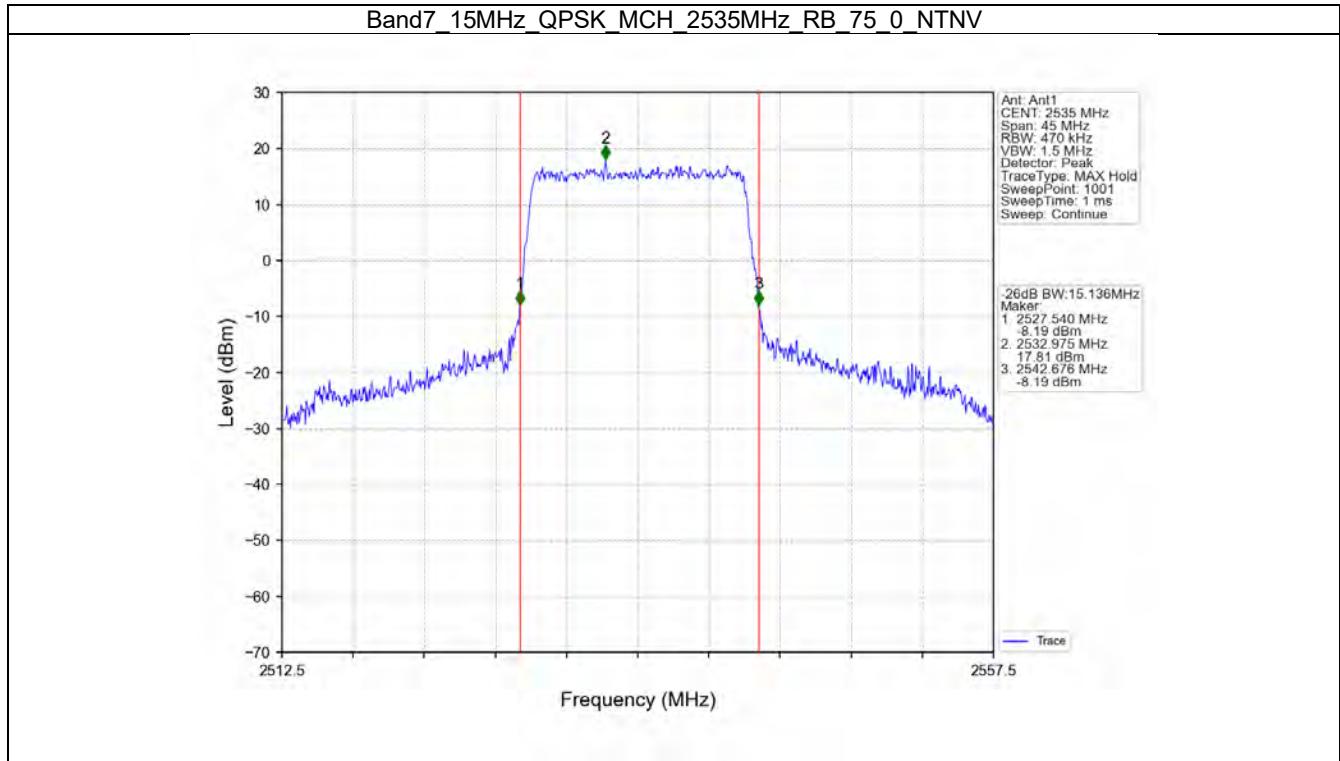


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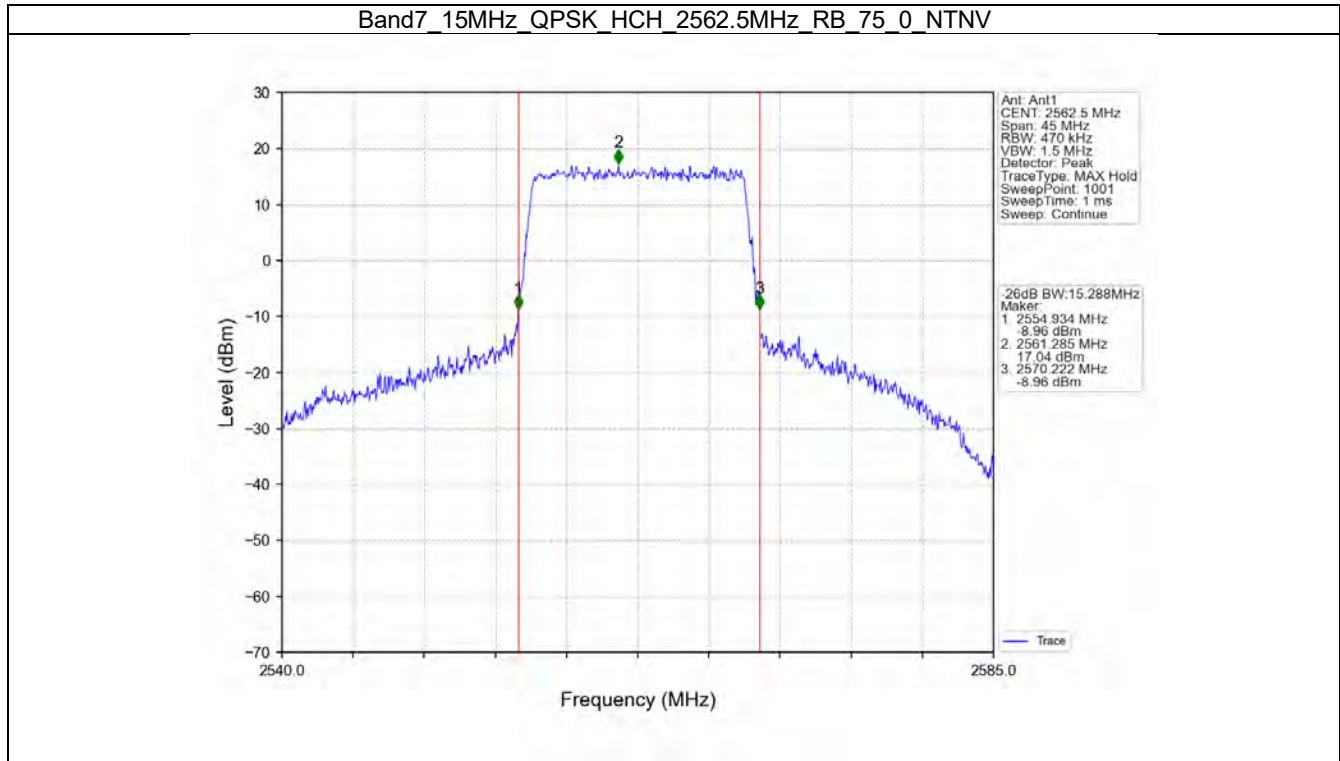


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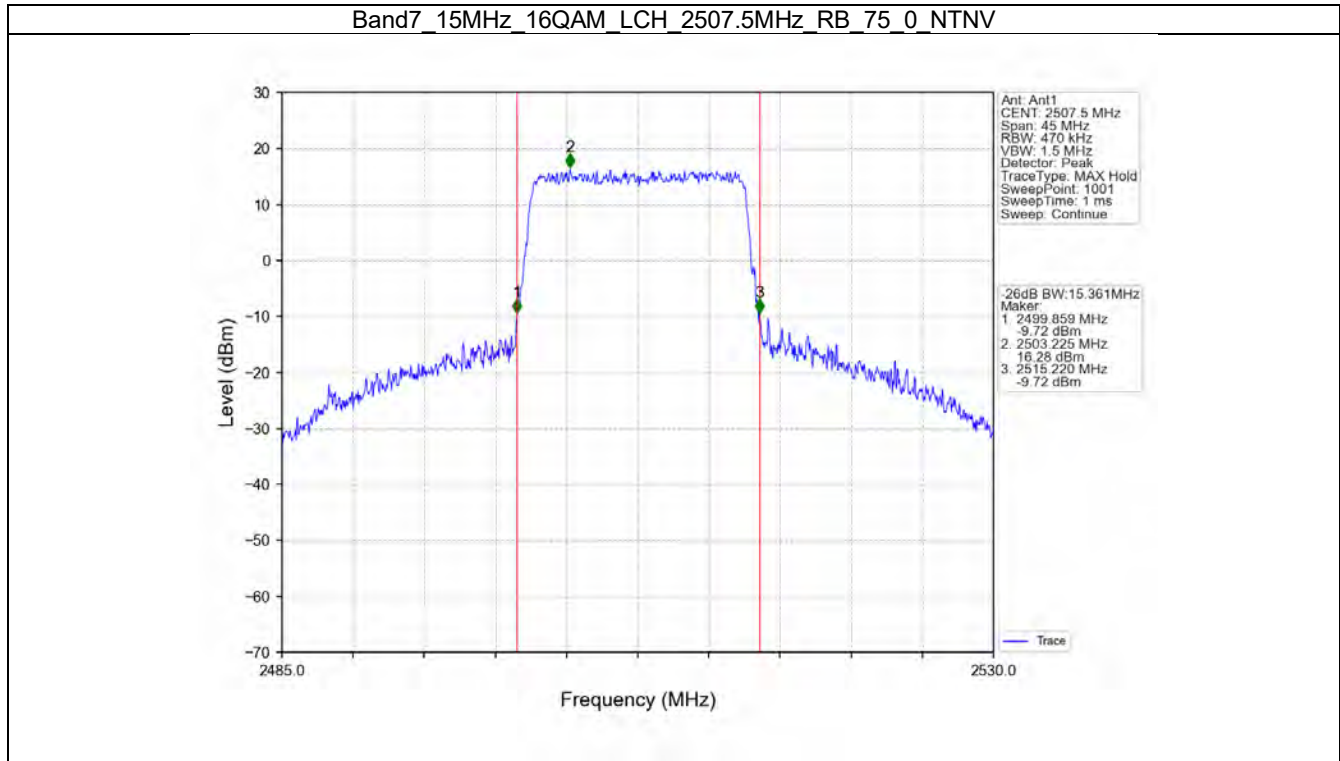


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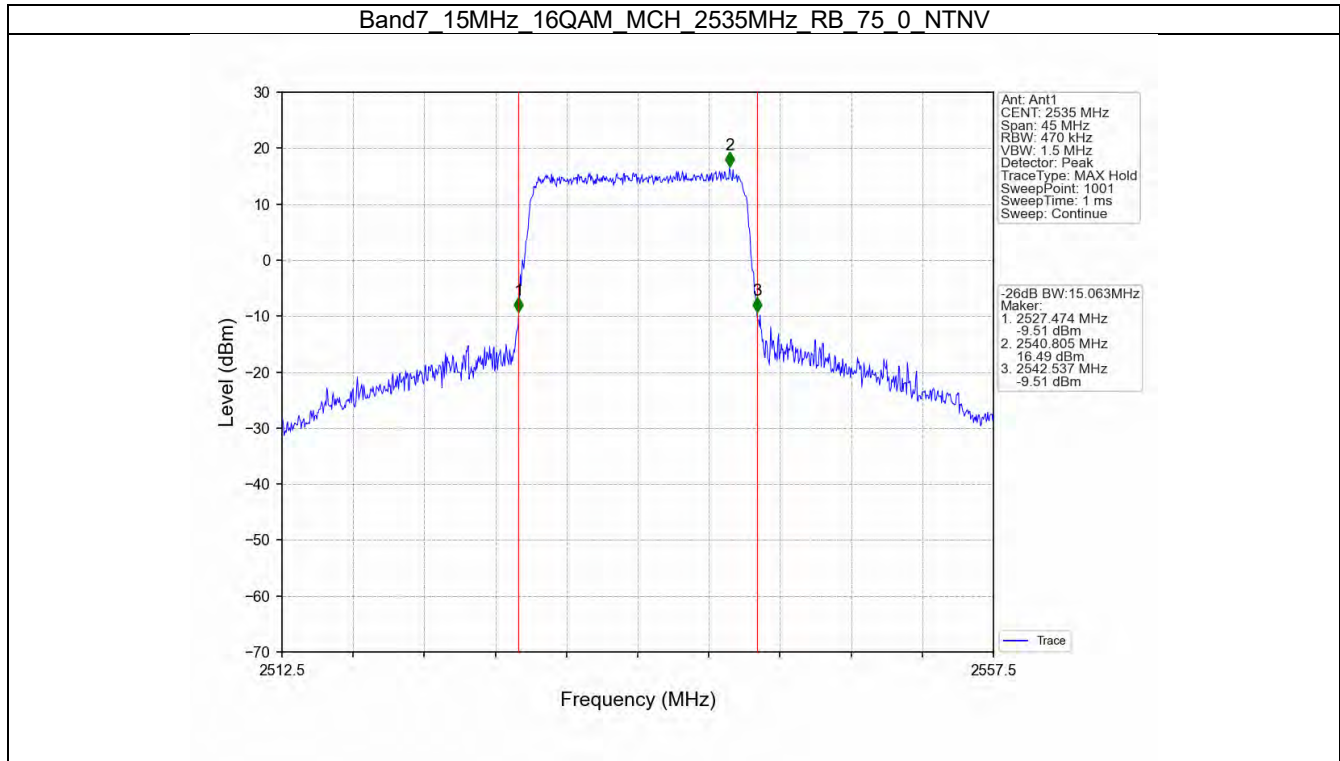


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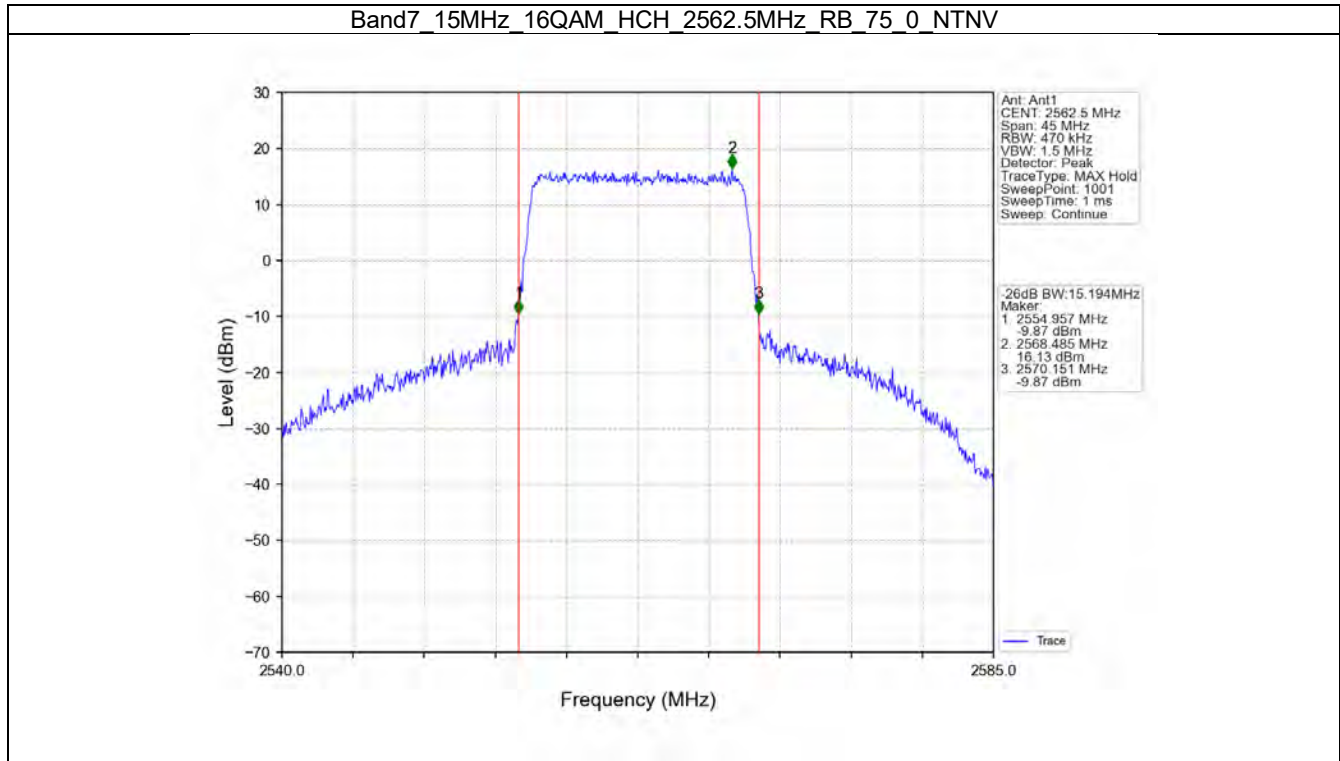


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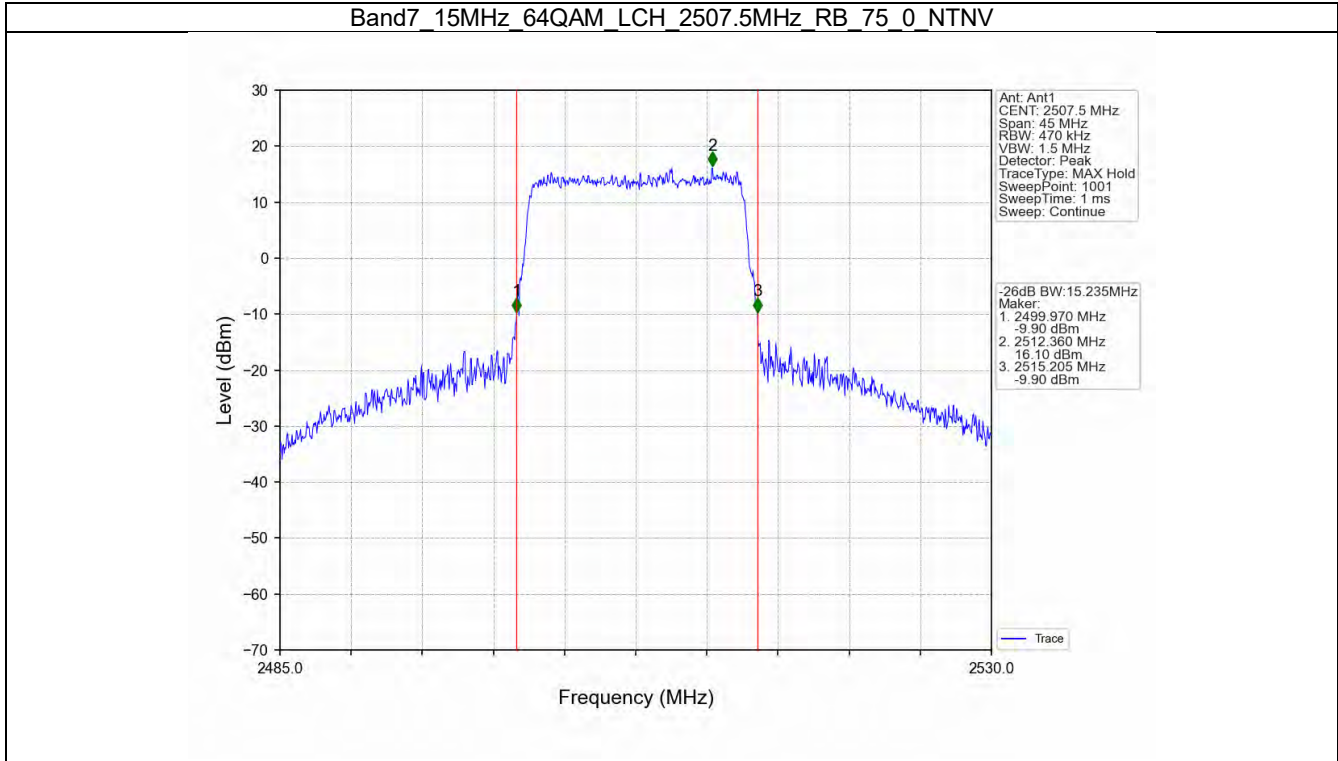


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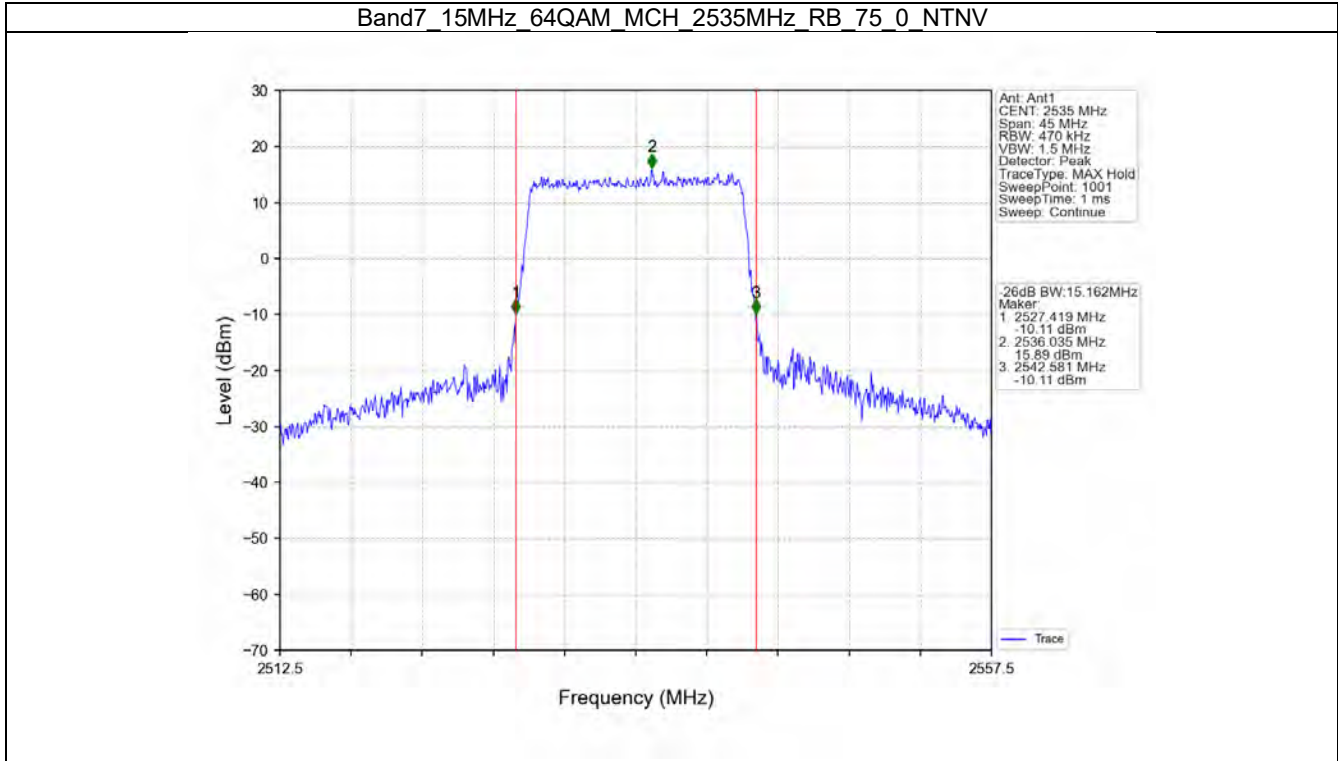


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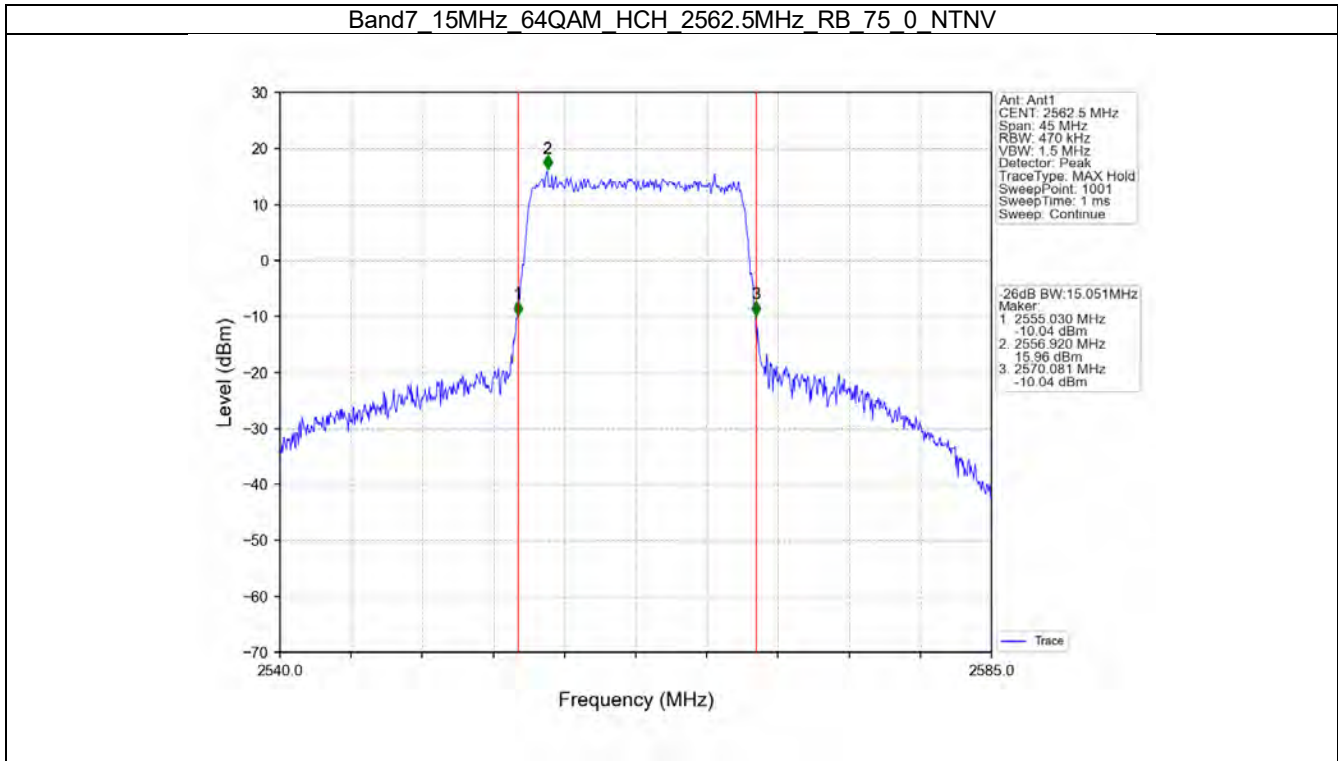


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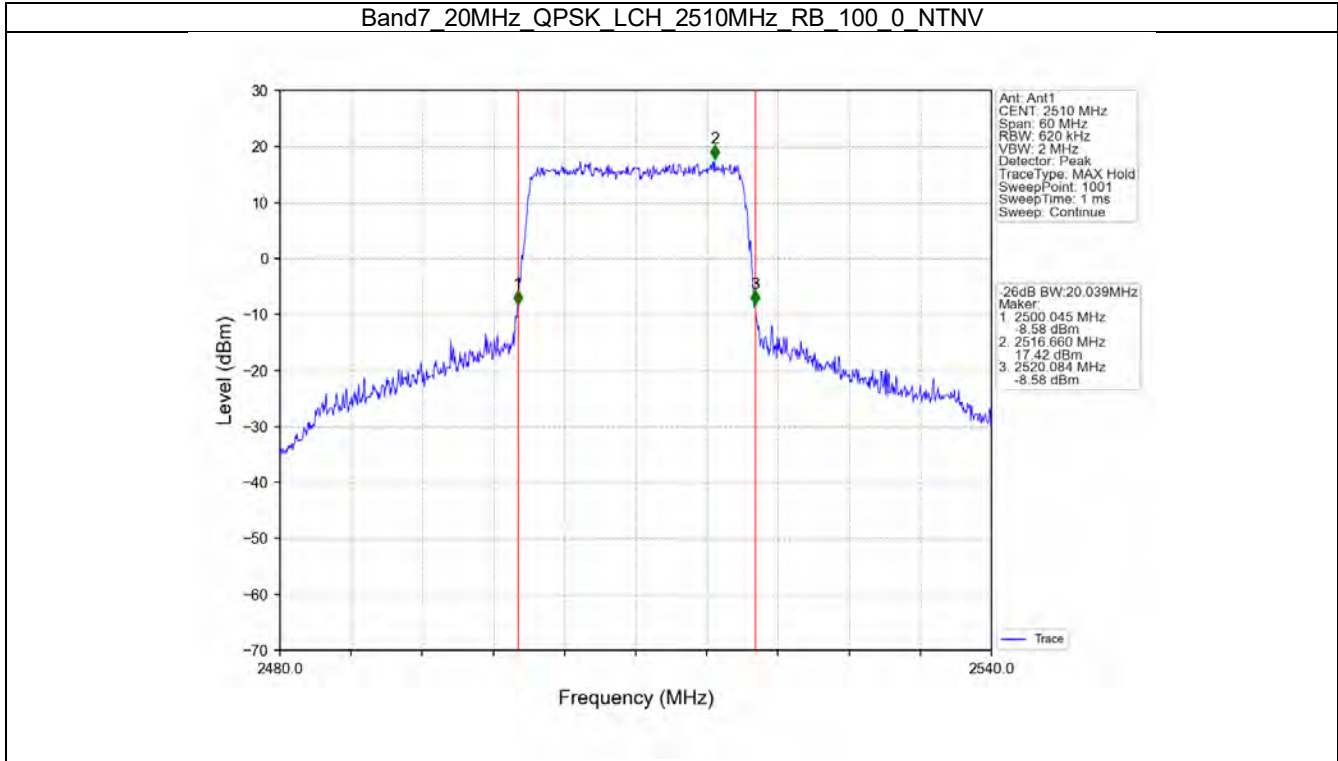


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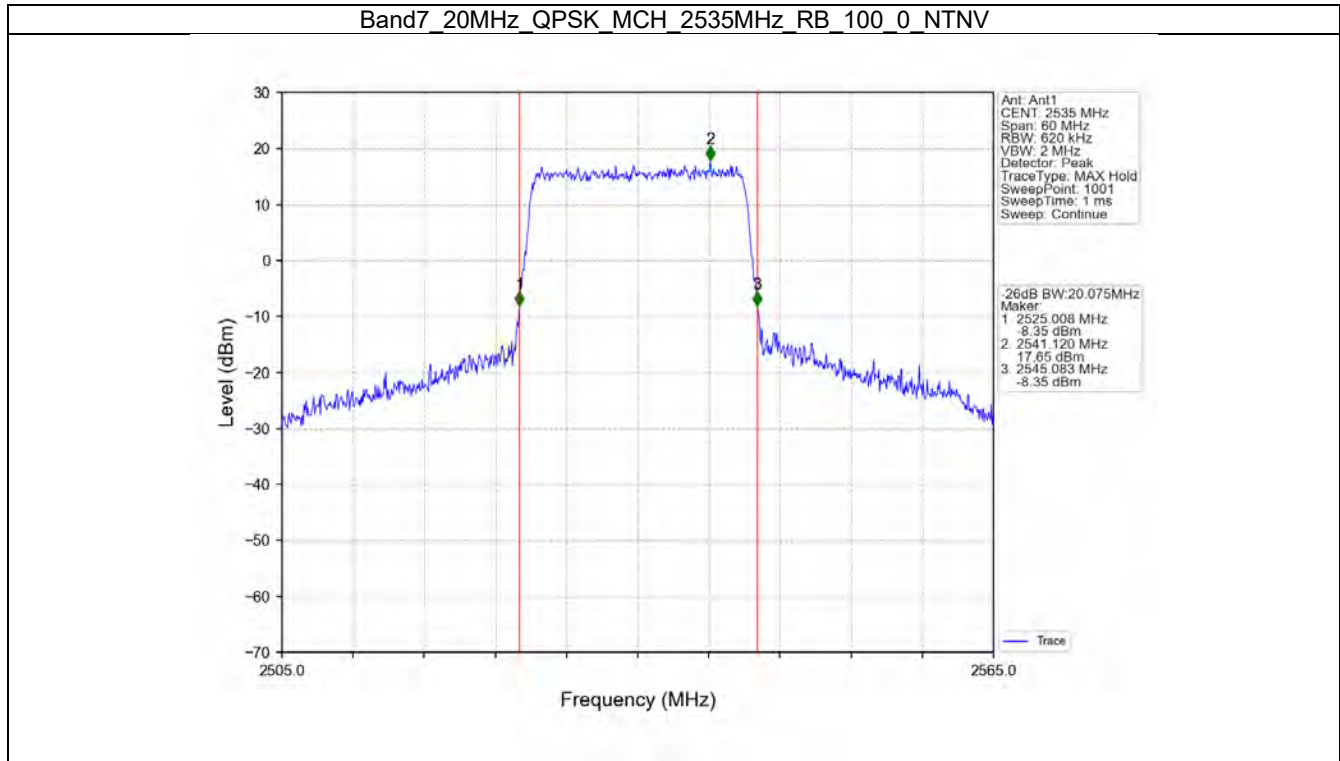


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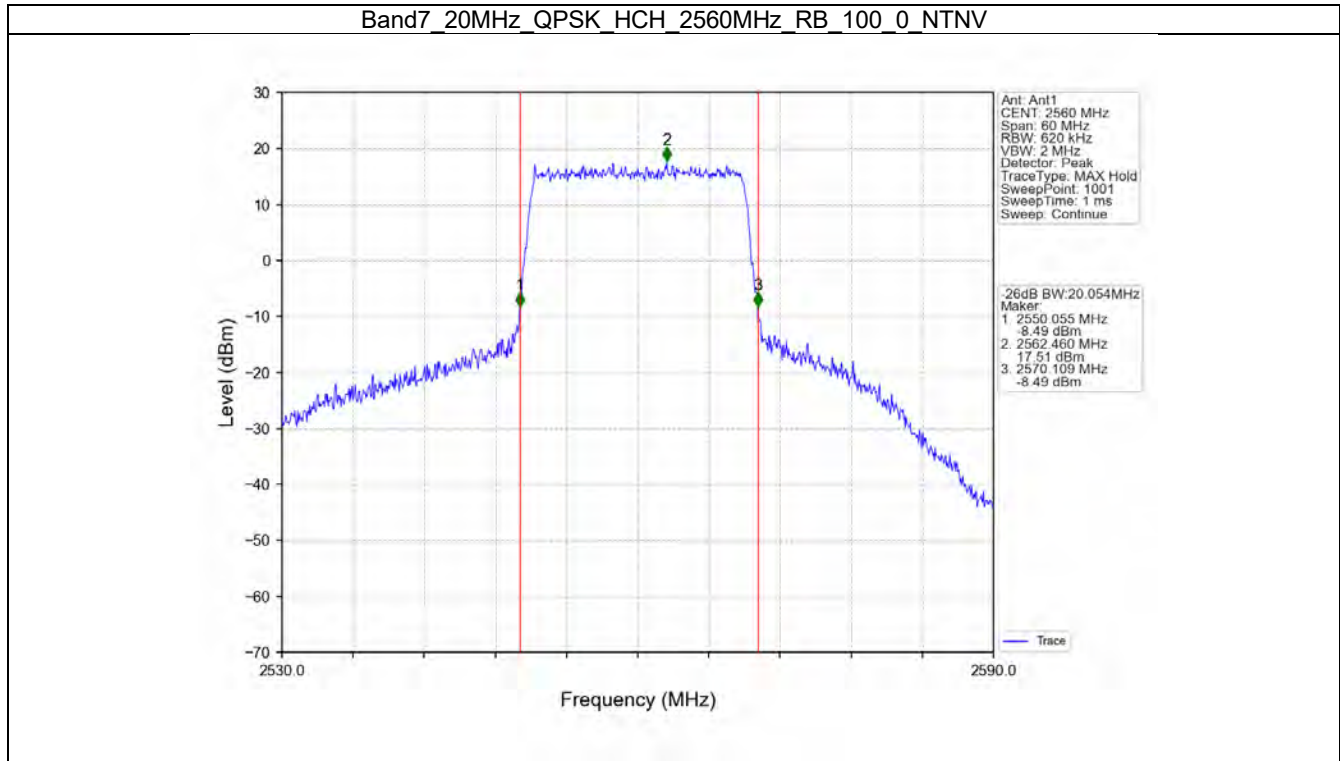


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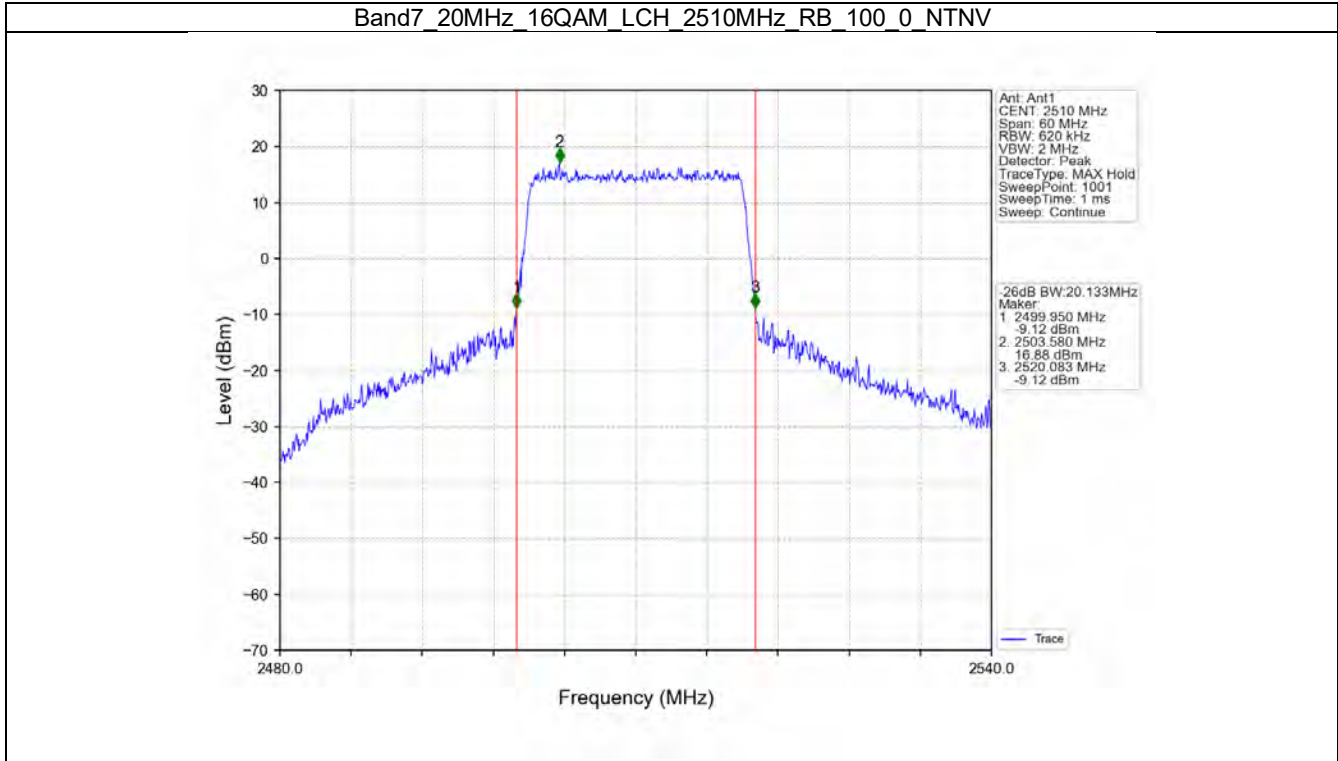


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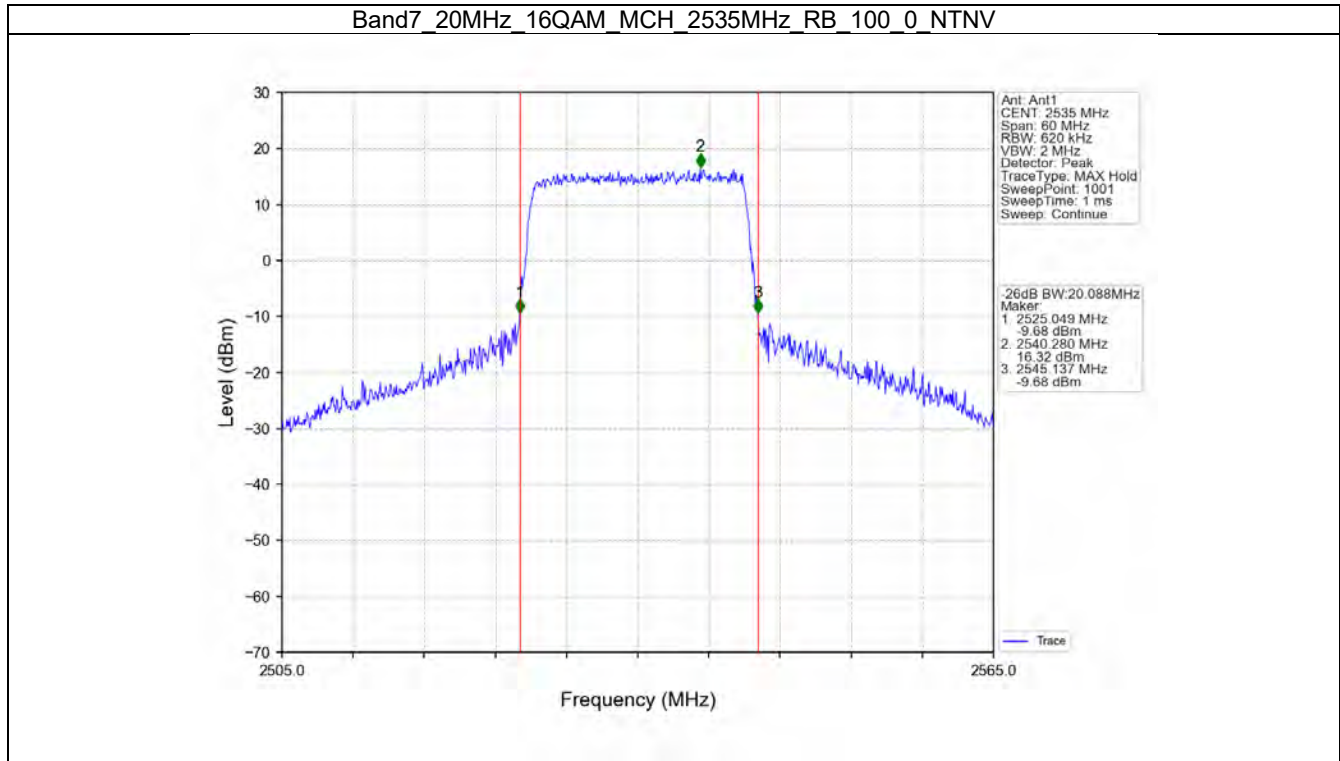


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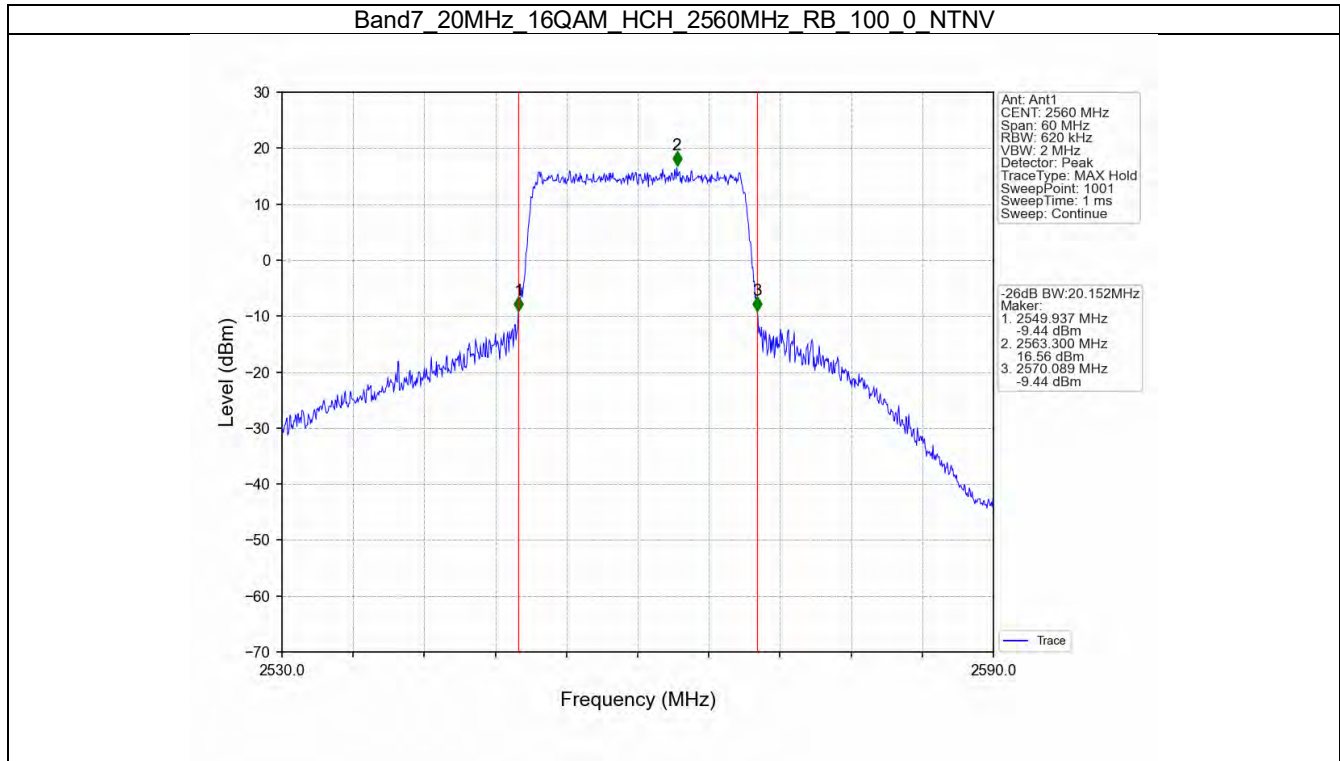


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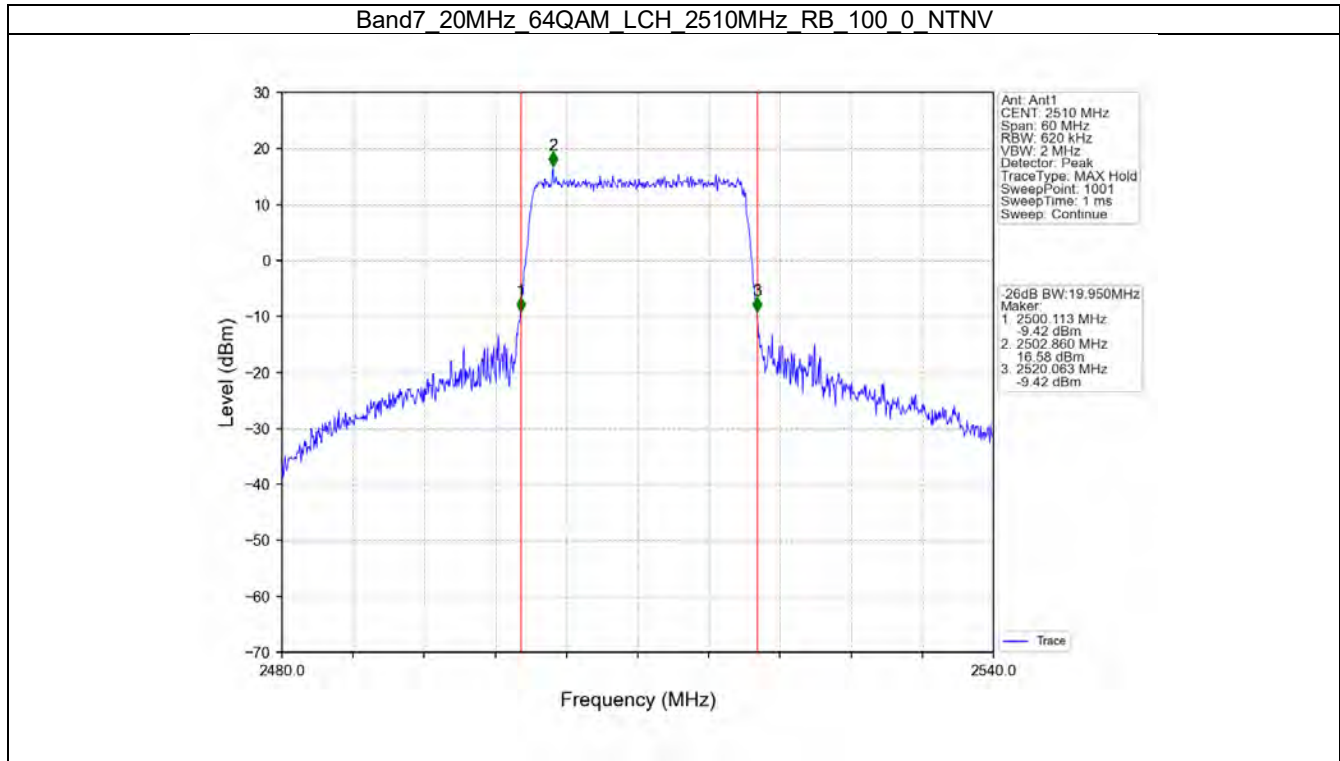


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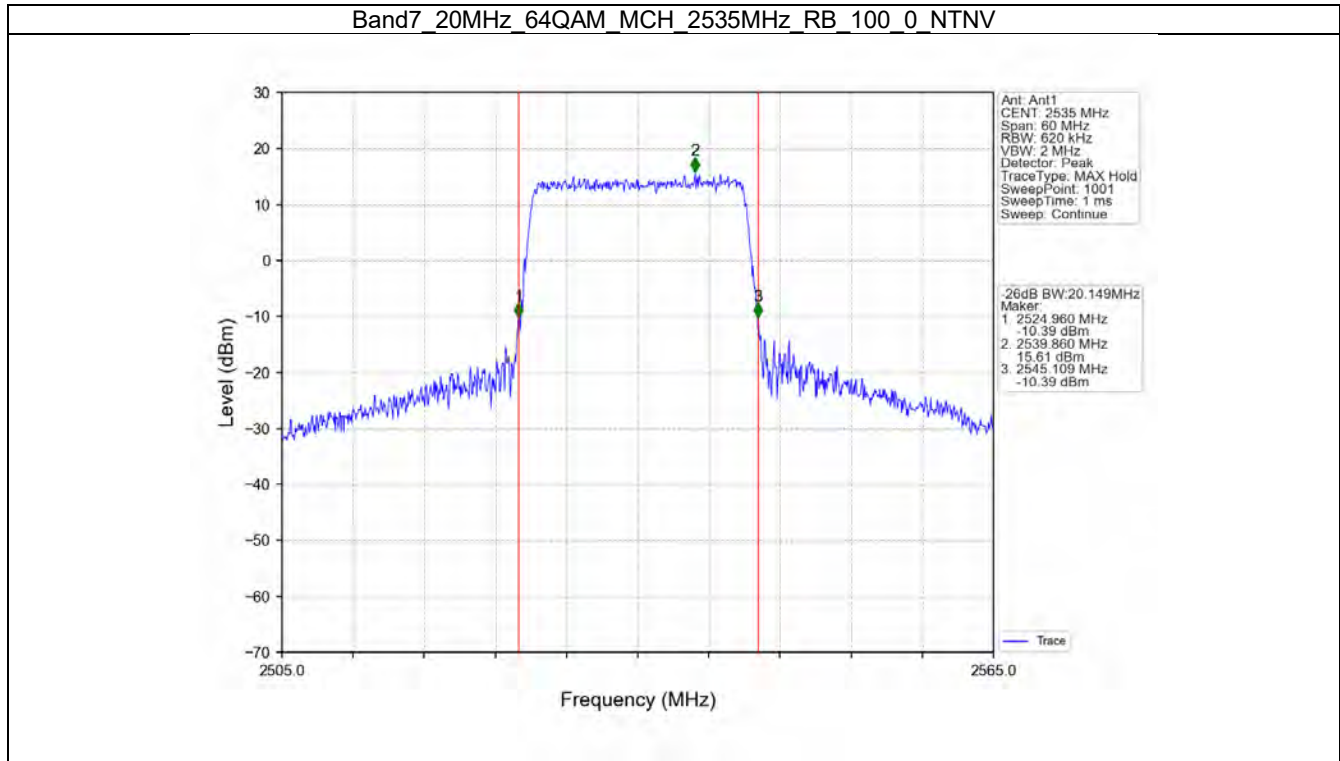


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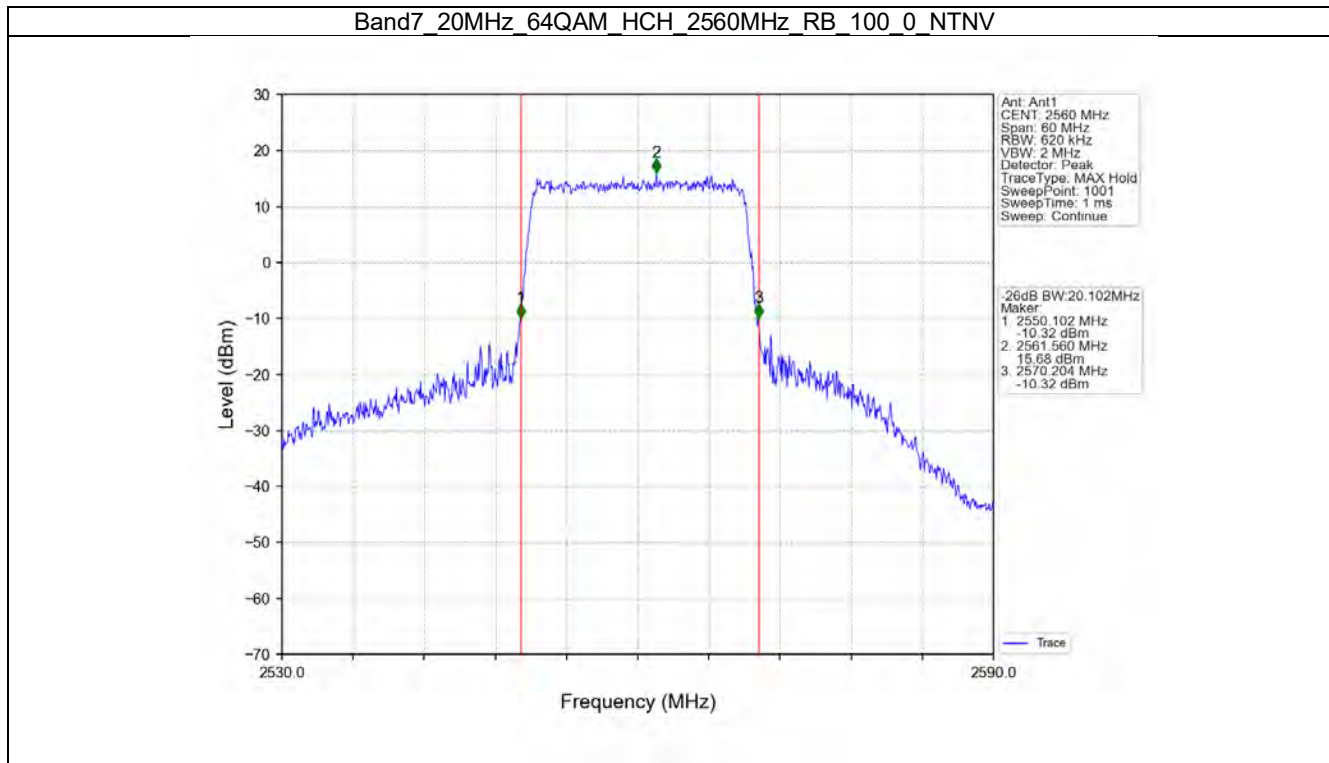
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4. Peak-Average Ratio

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	5.14	<=13	Pass
	2535	25	0	5.30	<=13	Pass
	2567.5	25	0	5.05	<=13	Pass
16QAM	2502.5	25	0	5.95	<=13	Pass
	2535	25	0	6.12	<=13	Pass
	2567.5	25	0	5.83	<=13	Pass
64QAM	2502.5	25	0	6.41	<=13	Pass
	2535	25	0	6.58	<=13	Pass
	2567.5	25	0	6.31	<=13	Pass



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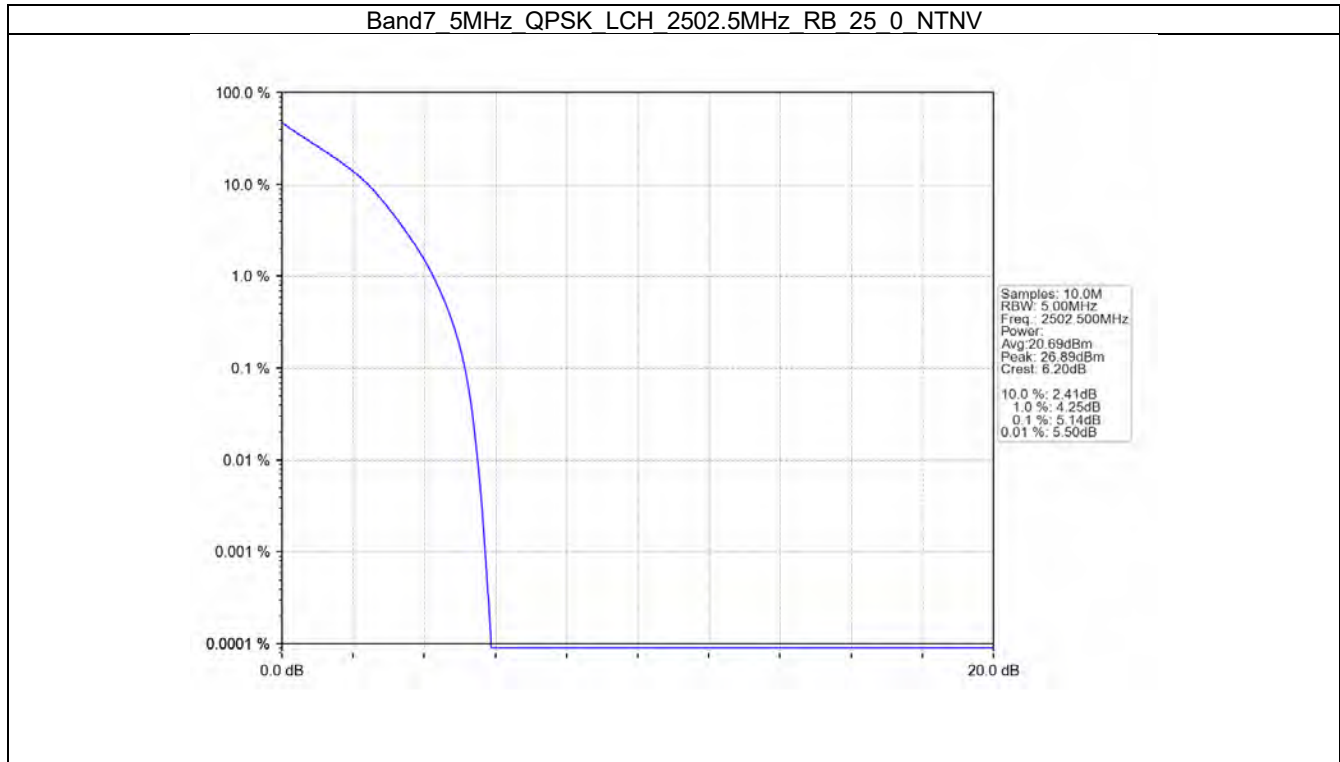
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4.1.2 Test Graph



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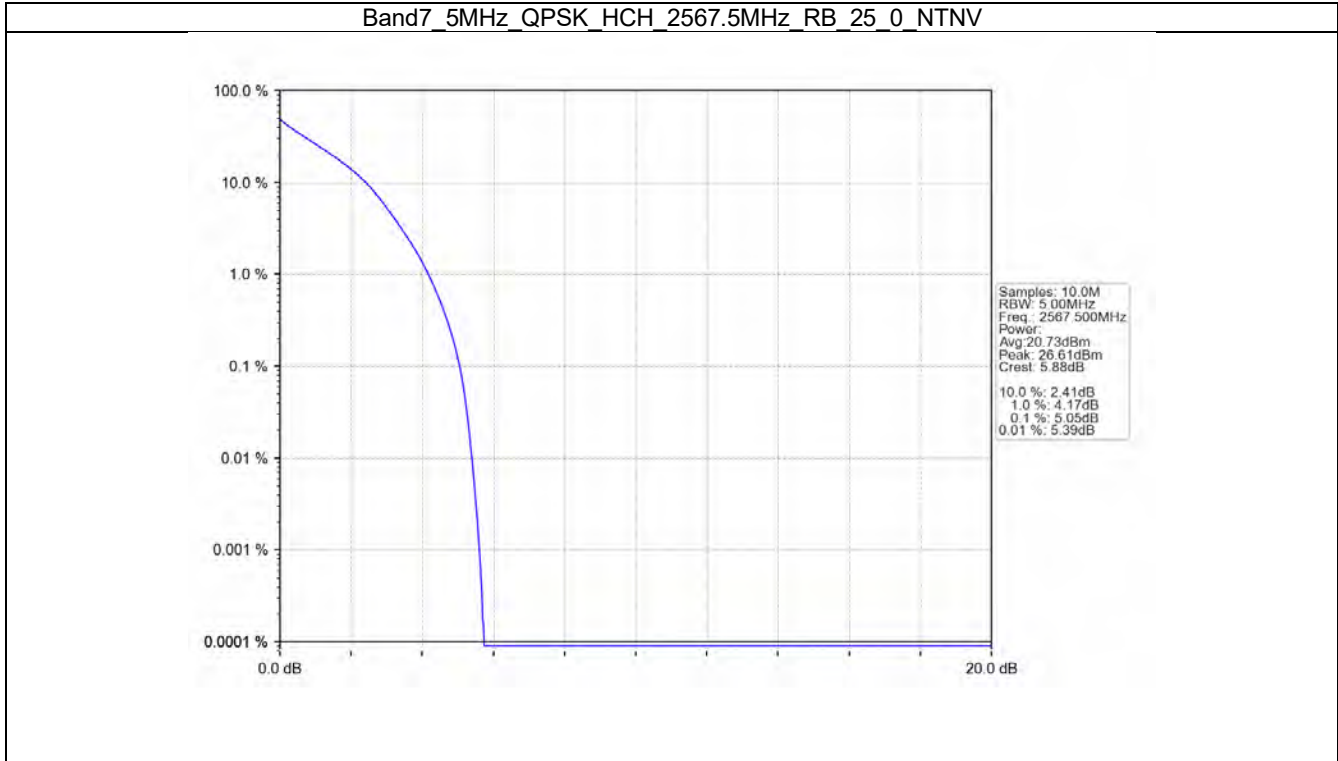


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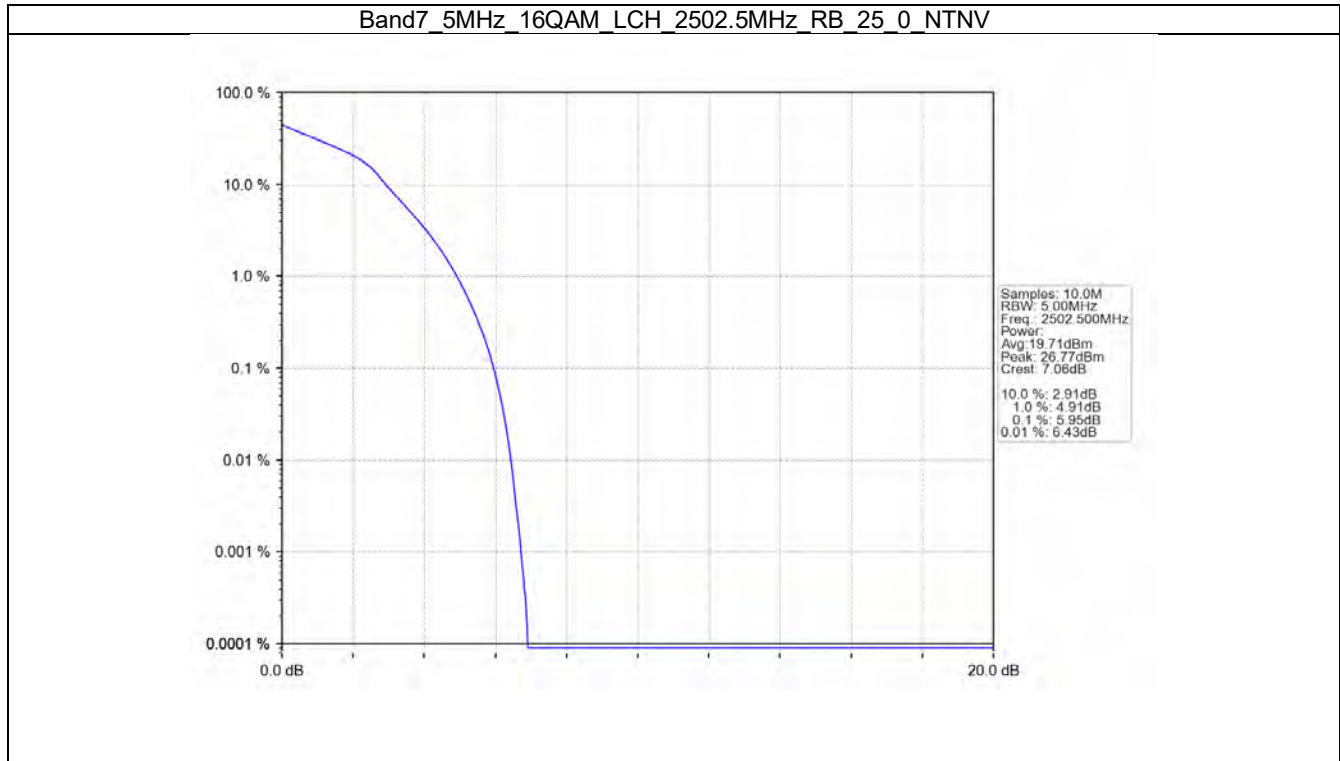


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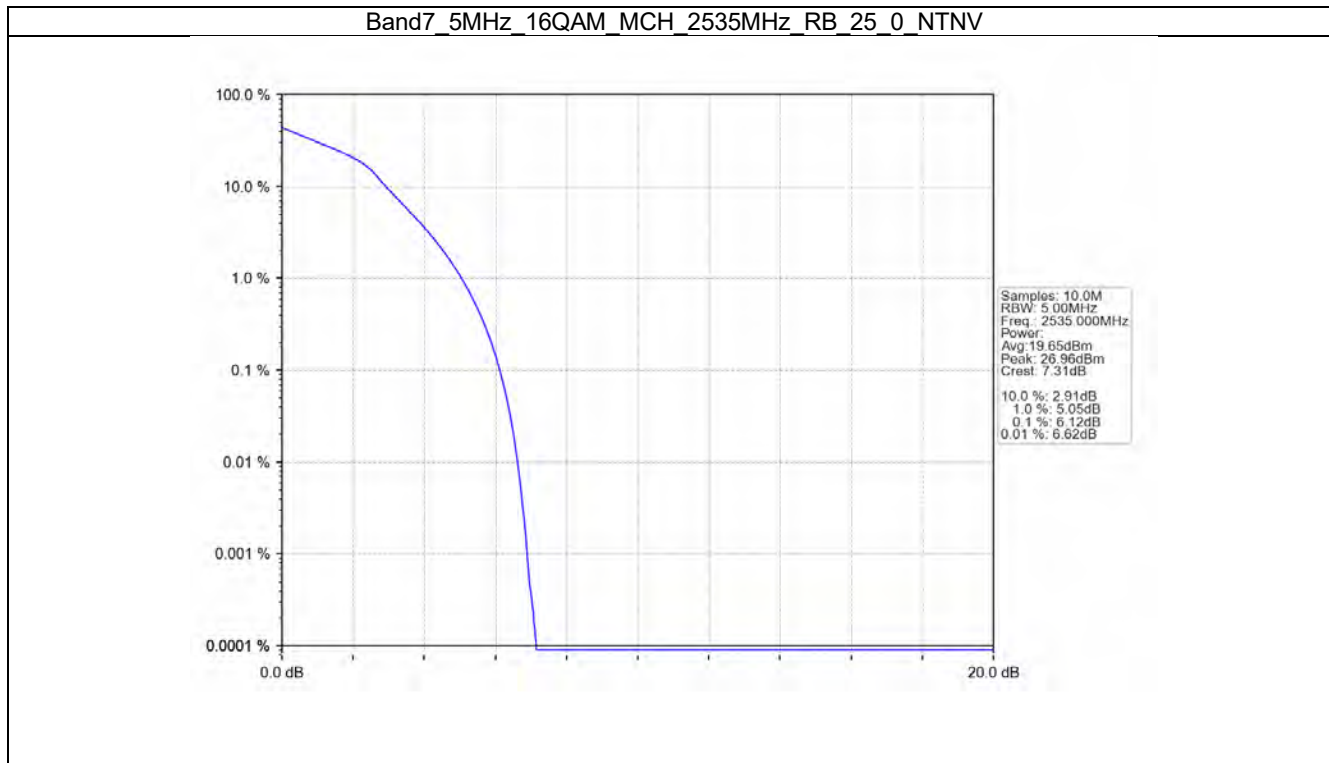
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Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



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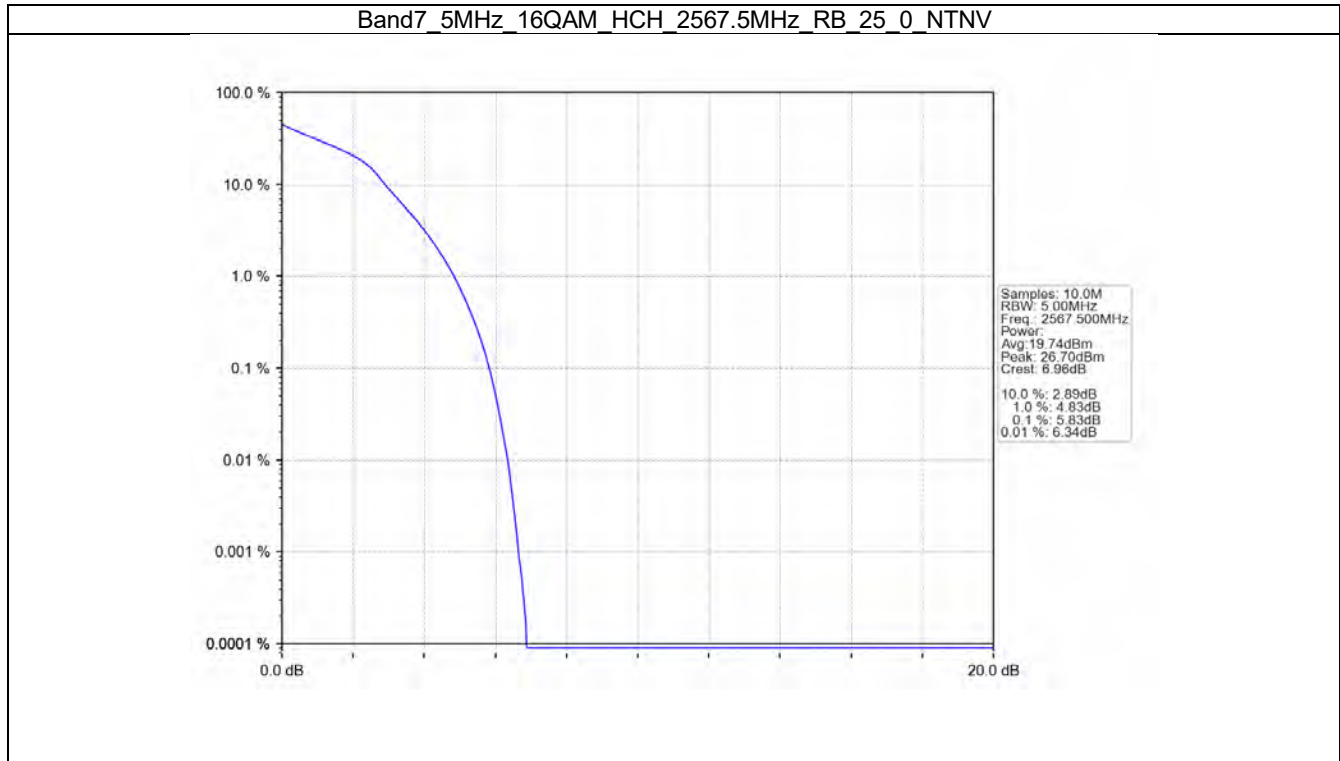


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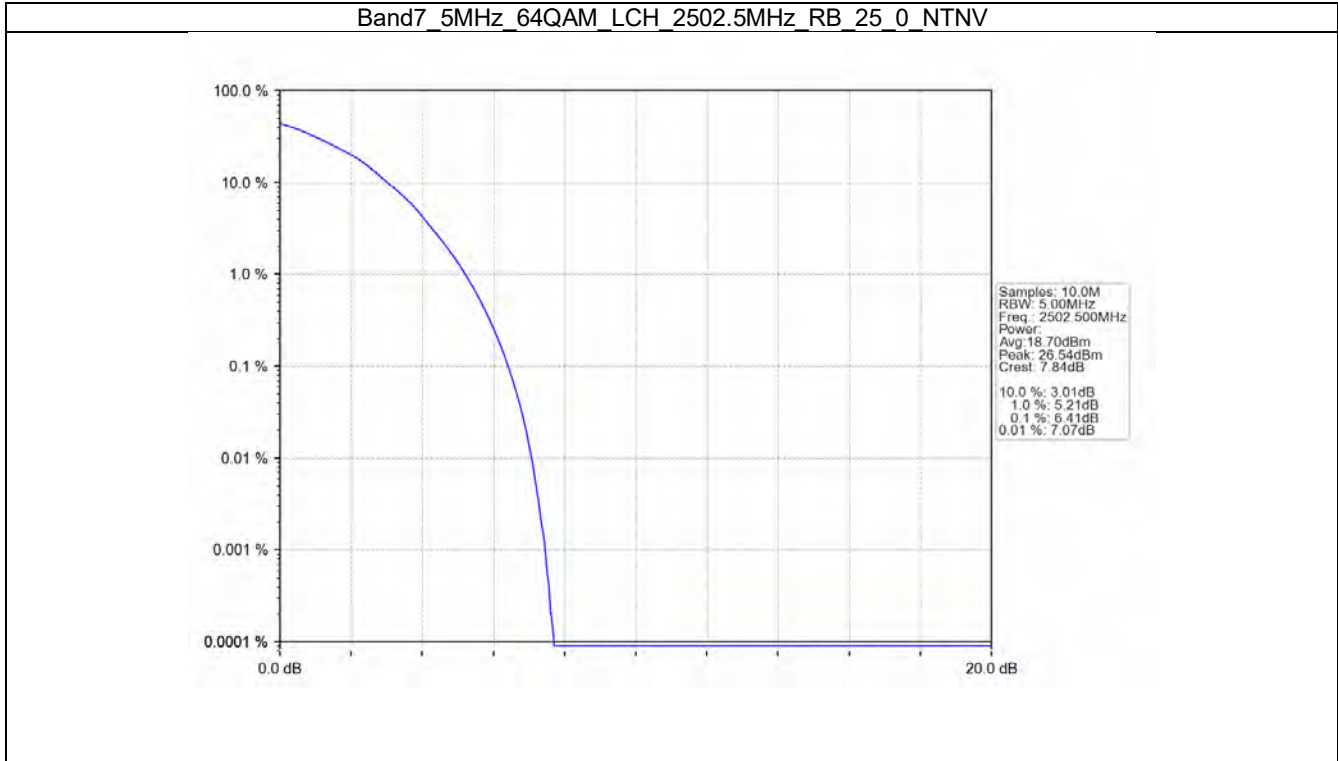


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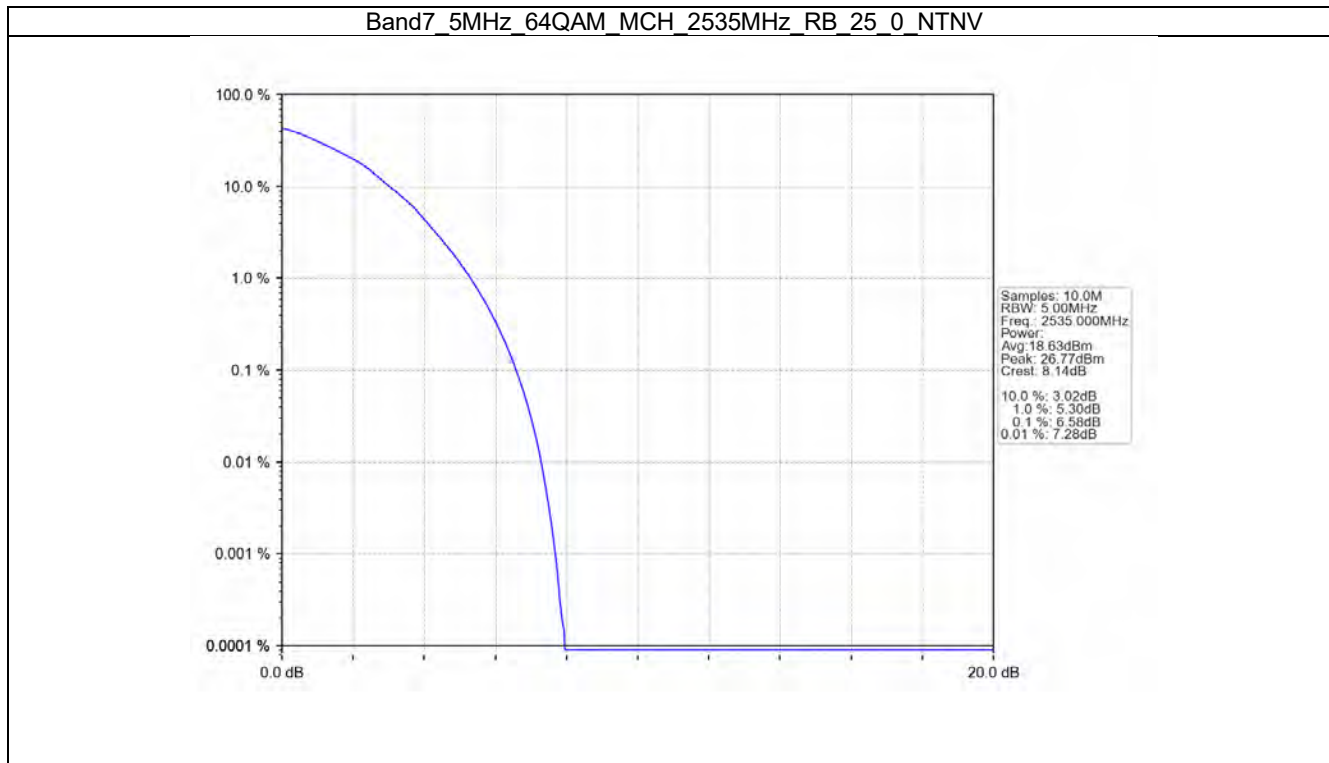
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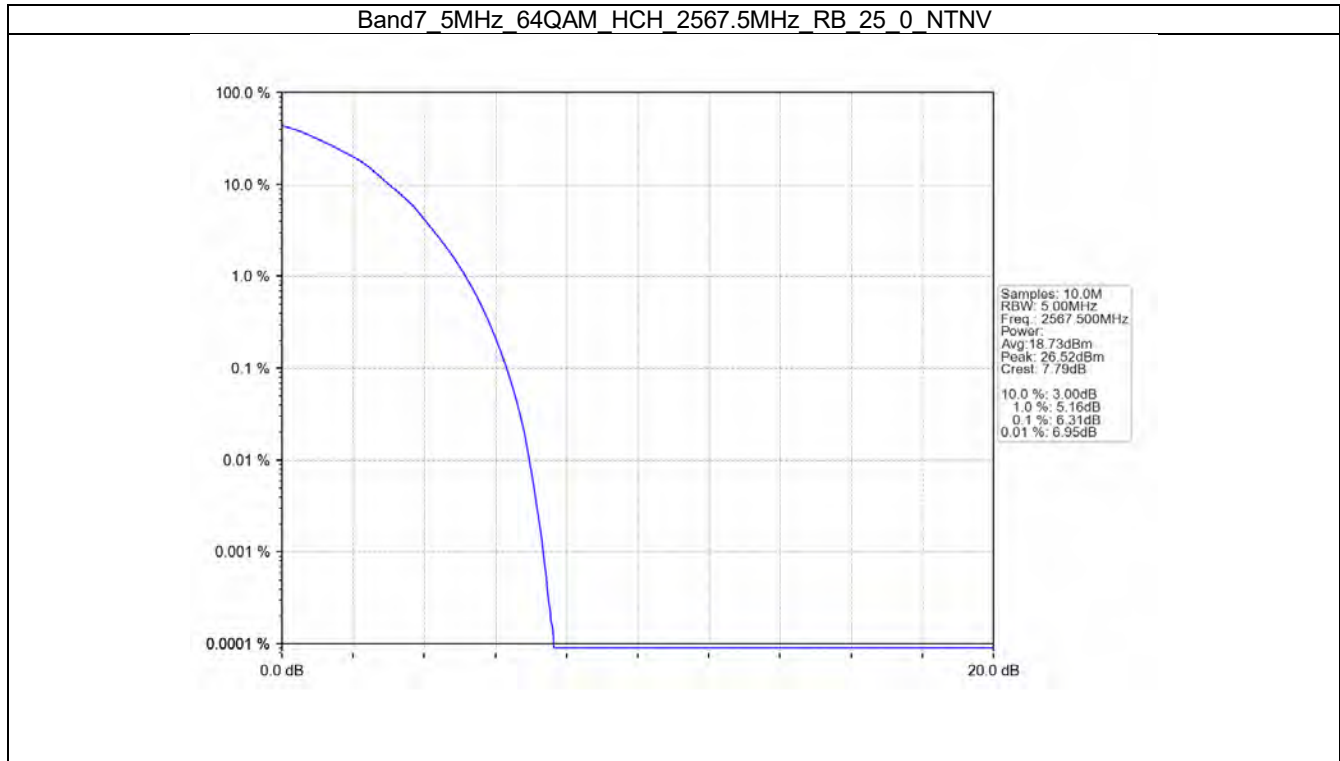
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4.2 B7_10MHz

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	5.08	<=13	Pass
	2535	50	0	5.29	<=13	Pass
	2565	50	0	5.14	<=13	Pass
16QAM	2505	50	0	5.89	<=13	Pass
	2535	50	0	6.11	<=13	Pass
	2565	50	0	5.92	<=13	Pass
64QAM	2505	50	0	6.35	<=13	Pass
	2535	50	0	6.55	<=13	Pass
	2565	50	0	6.38	<=13	Pass



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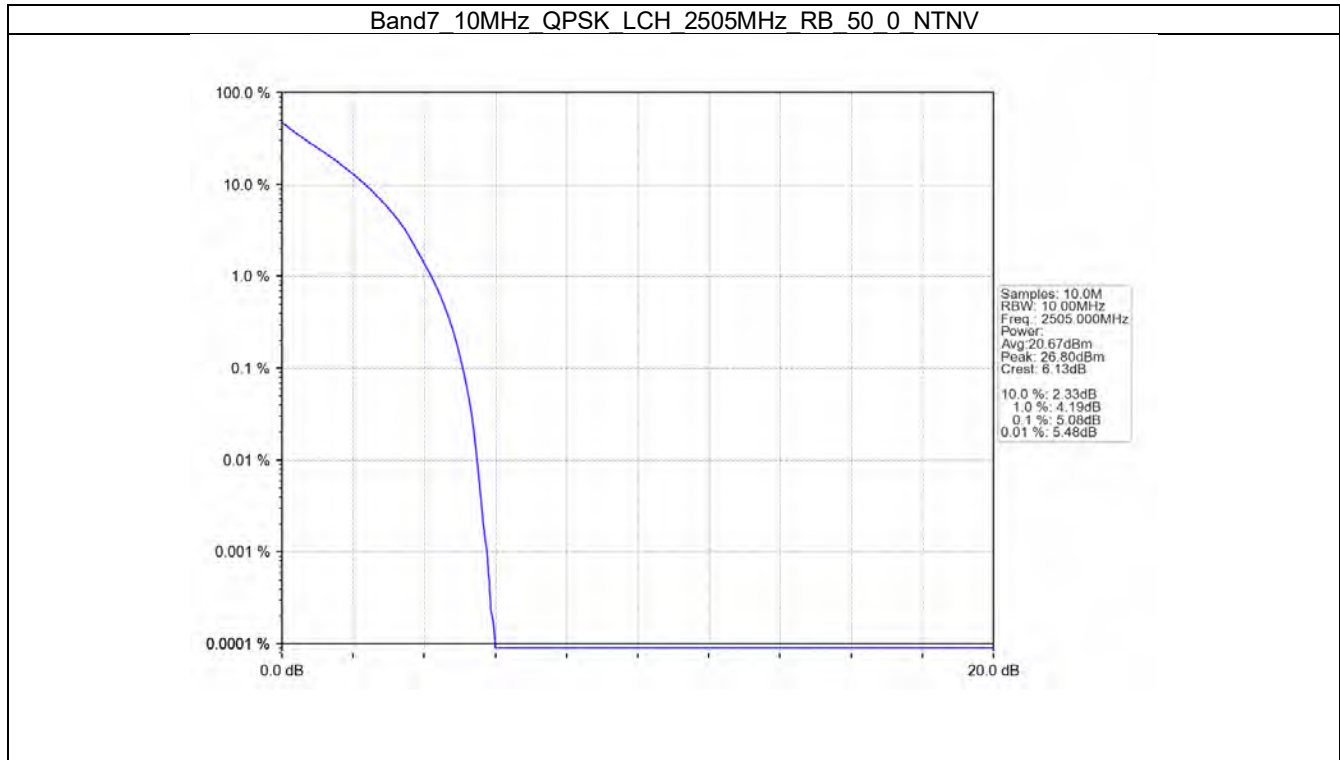
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4.2.2 Test Graph



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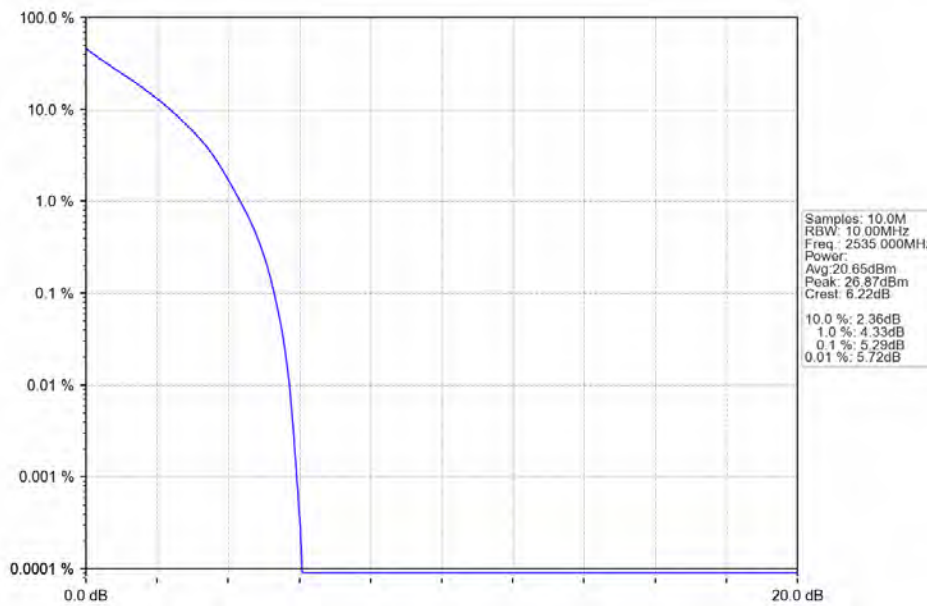
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Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTV



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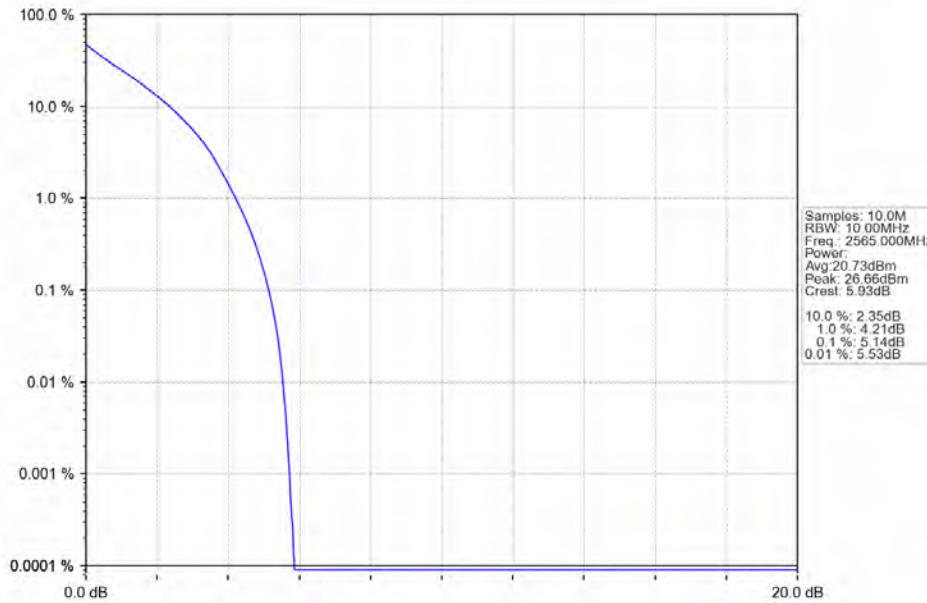
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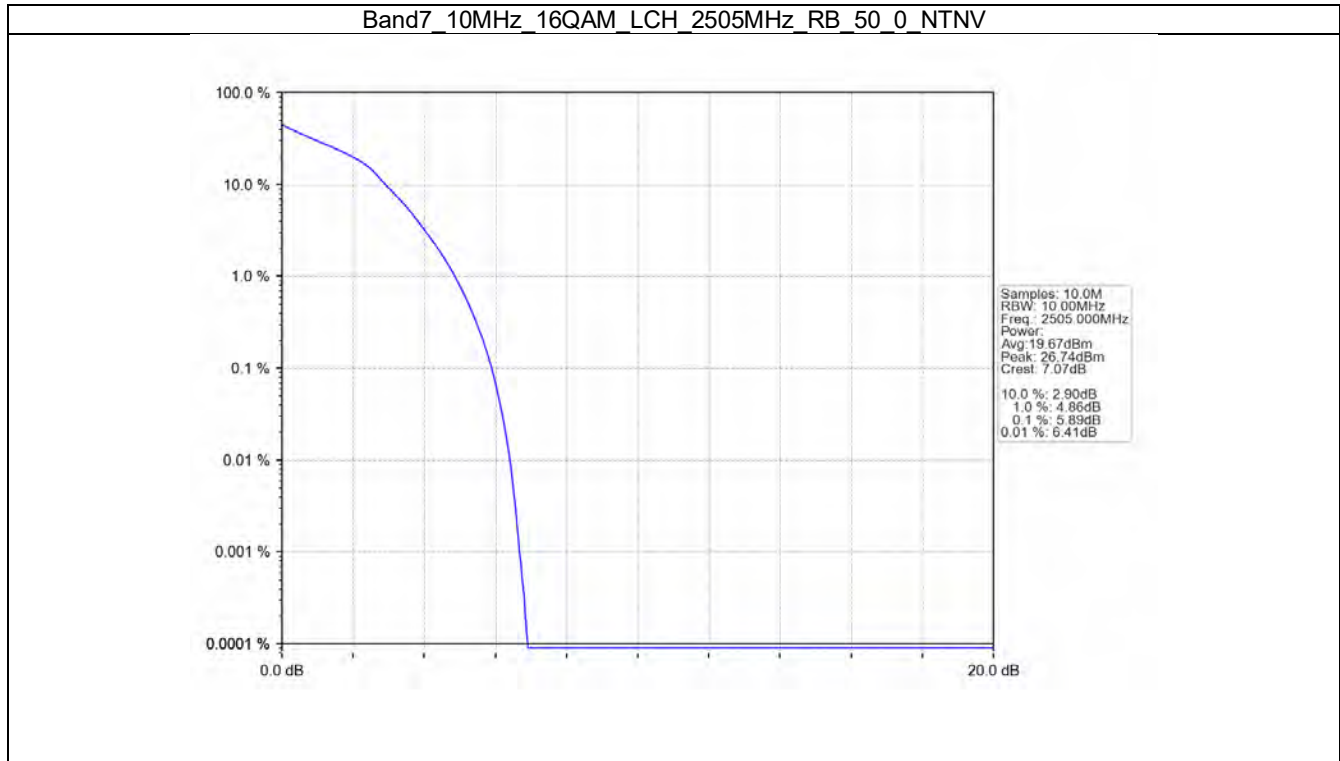


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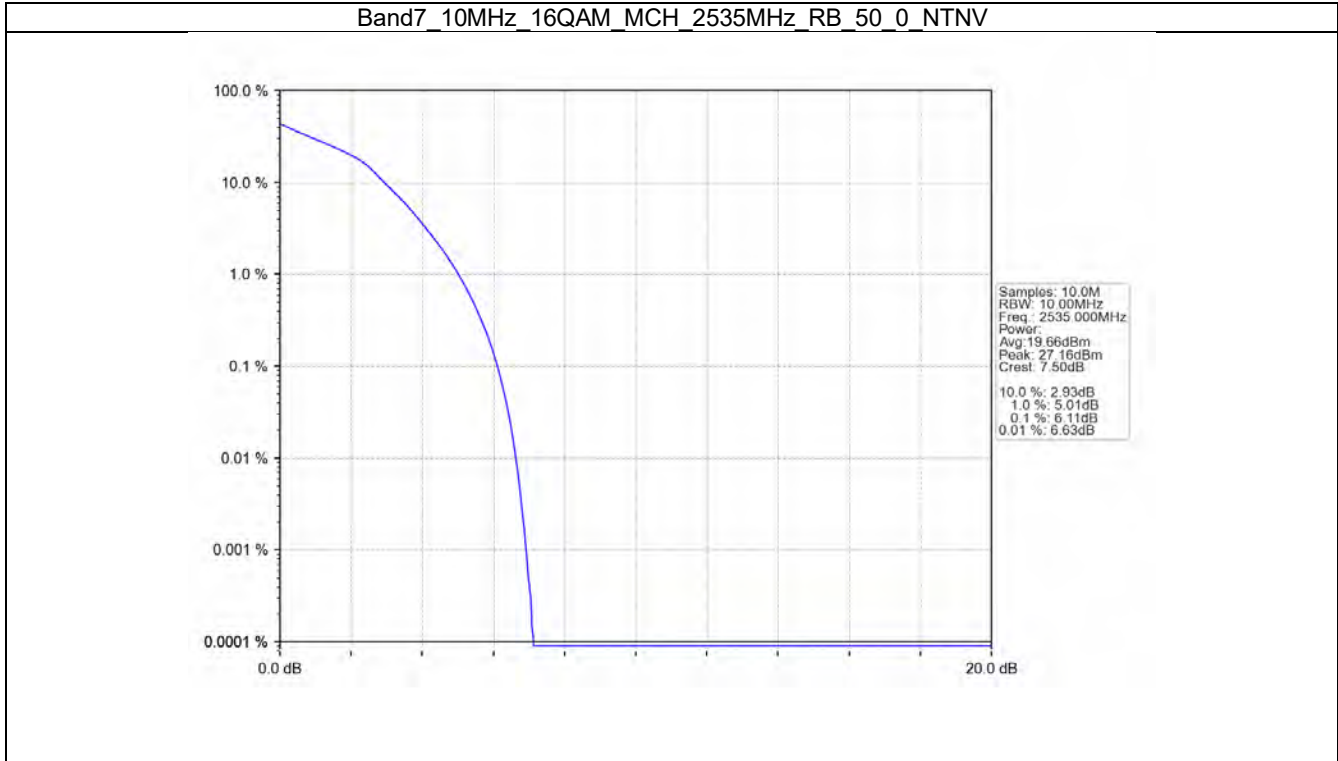


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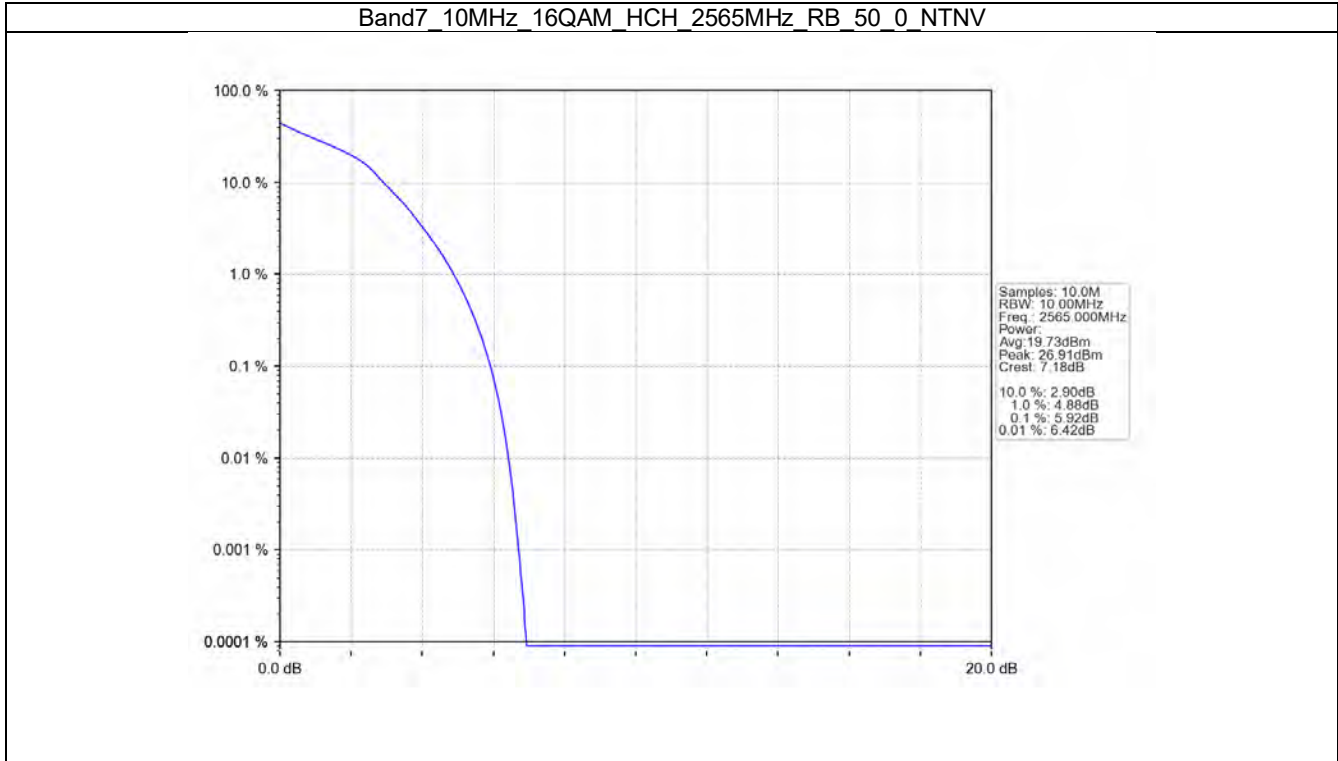


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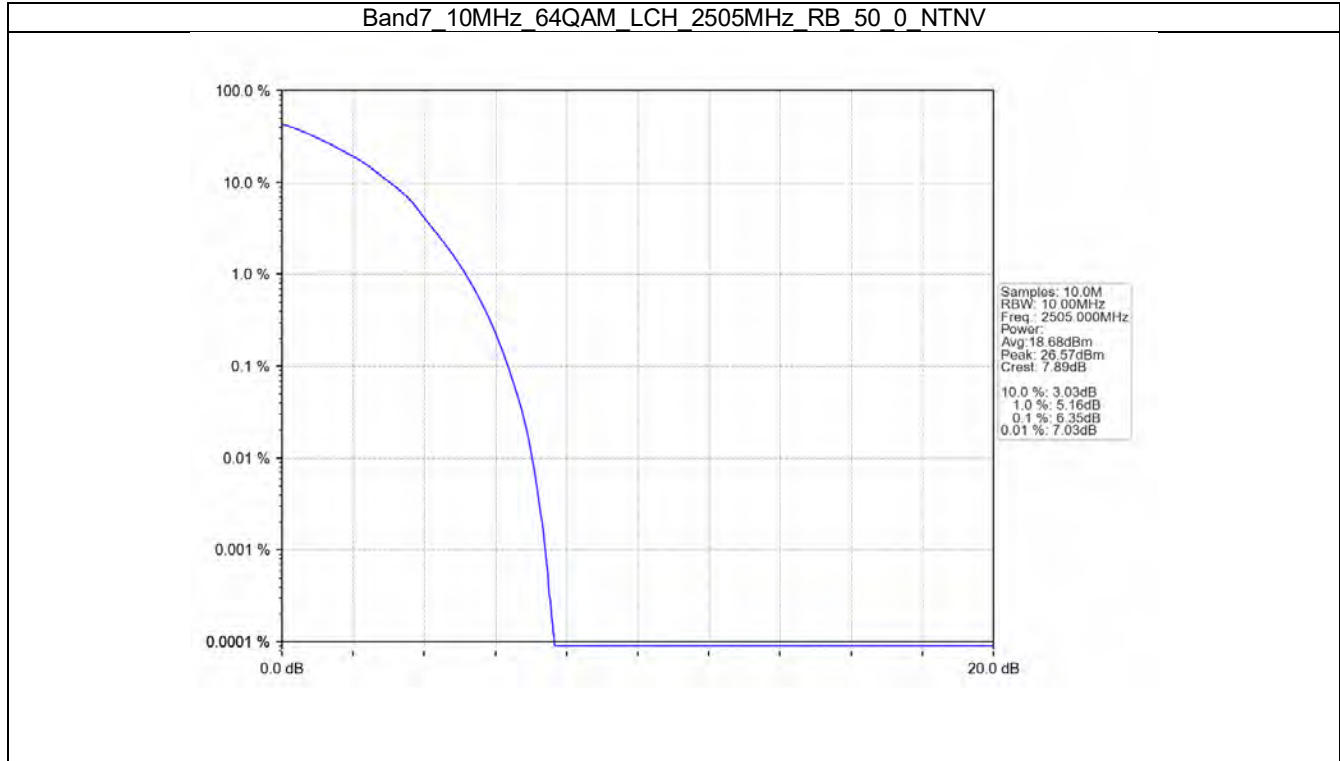


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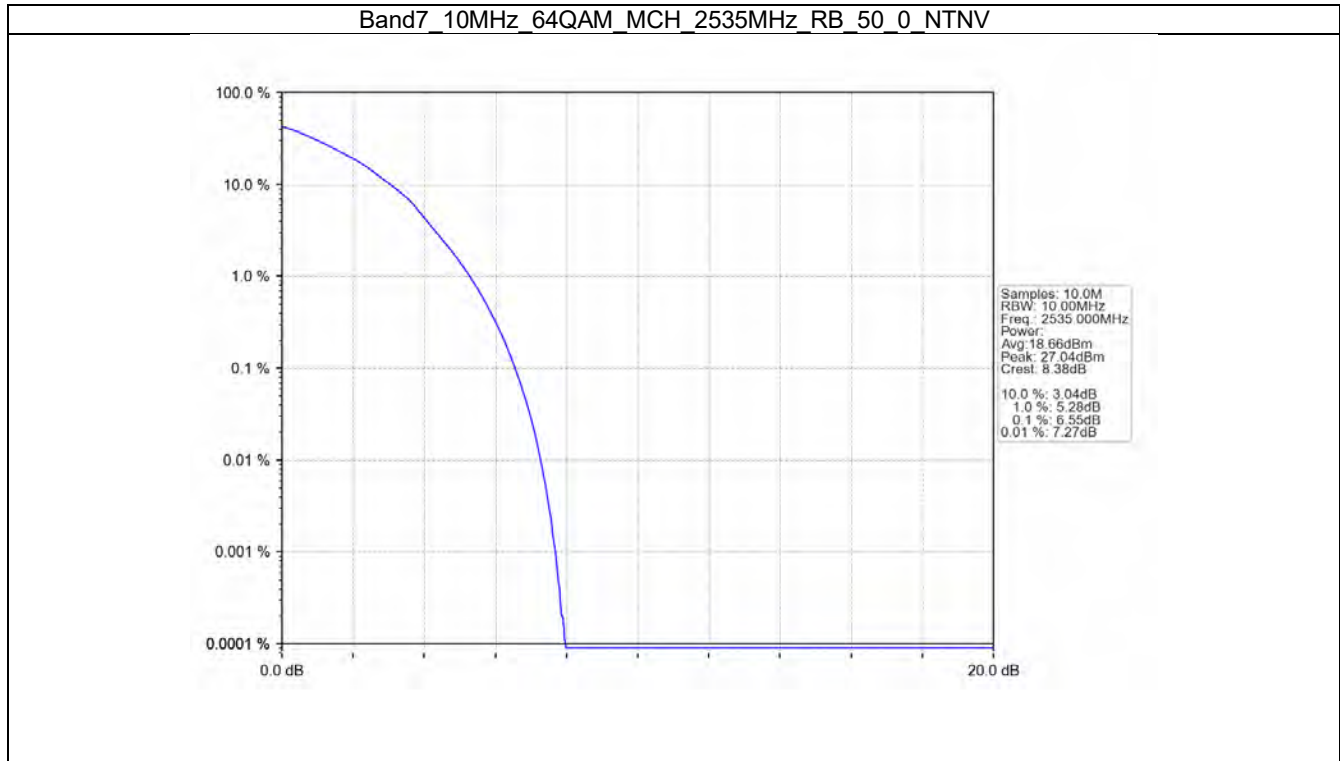


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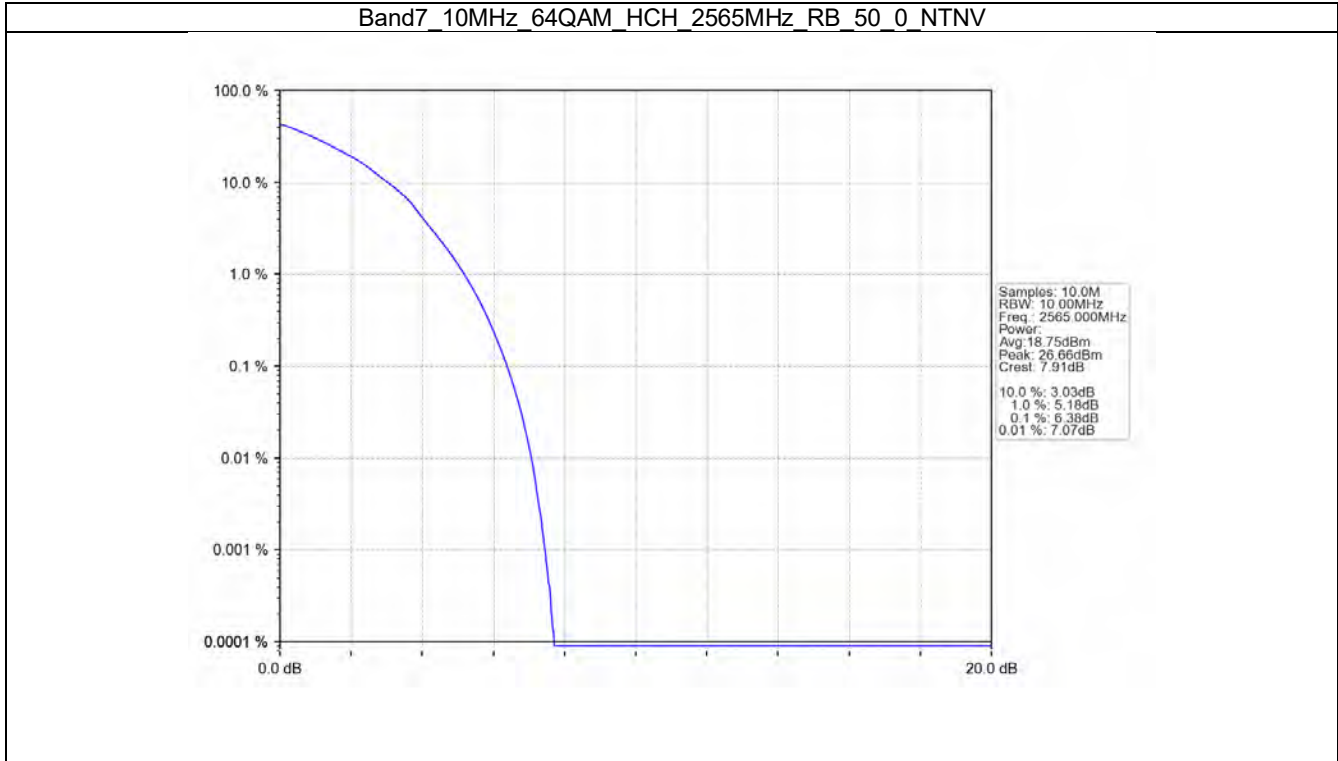


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4.3 B7_15MHz

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	5.35	<=13	Pass
	2535	75	0	5.47	<=13	Pass
	2562.5	75	0	5.33	<=13	Pass
16QAM	2507.5	75	0	6.01	<=13	Pass
	2535	75	0	6.17	<=13	Pass
	2562.5	75	0	6.05	<=13	Pass
64QAM	2507.5	75	0	6.42	<=13	Pass
	2535	75	0	6.56	<=13	Pass
	2562.5	75	0	6.44	<=13	Pass



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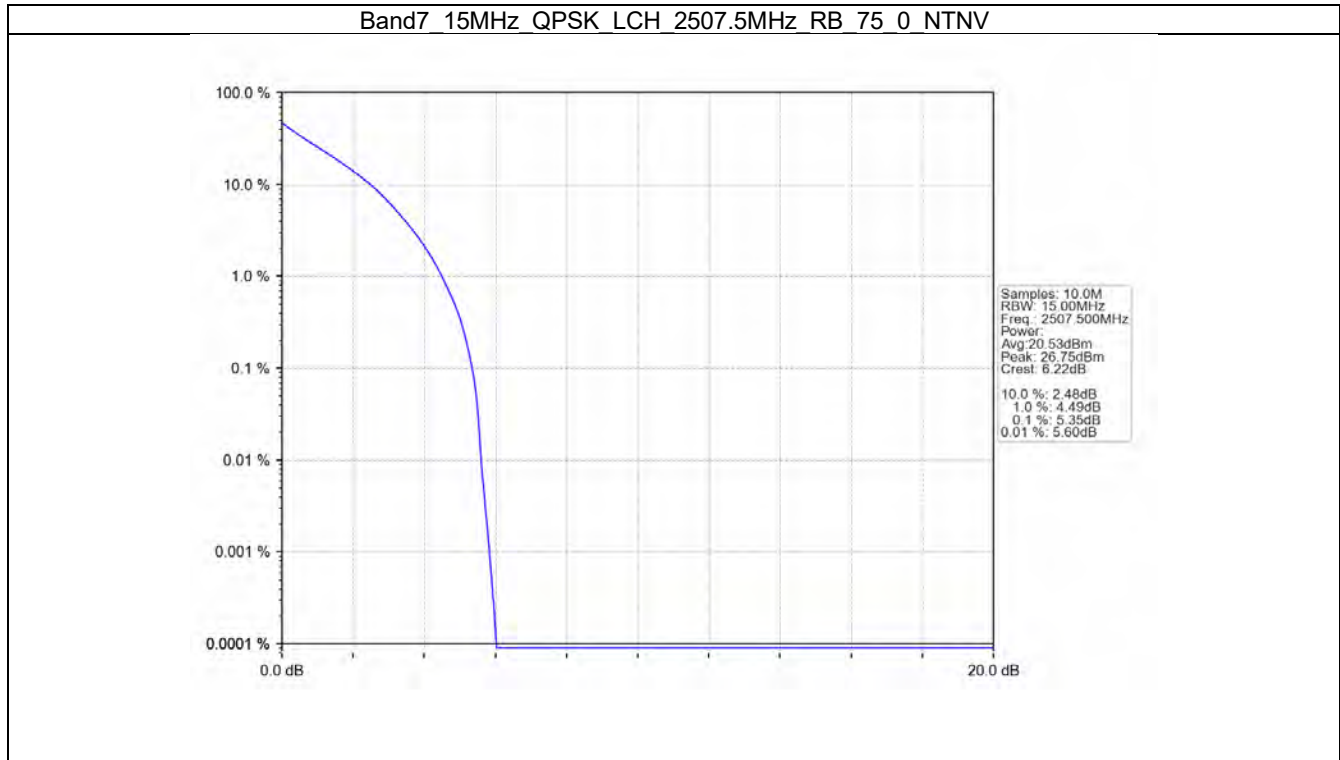
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4.3.2 Test Graph



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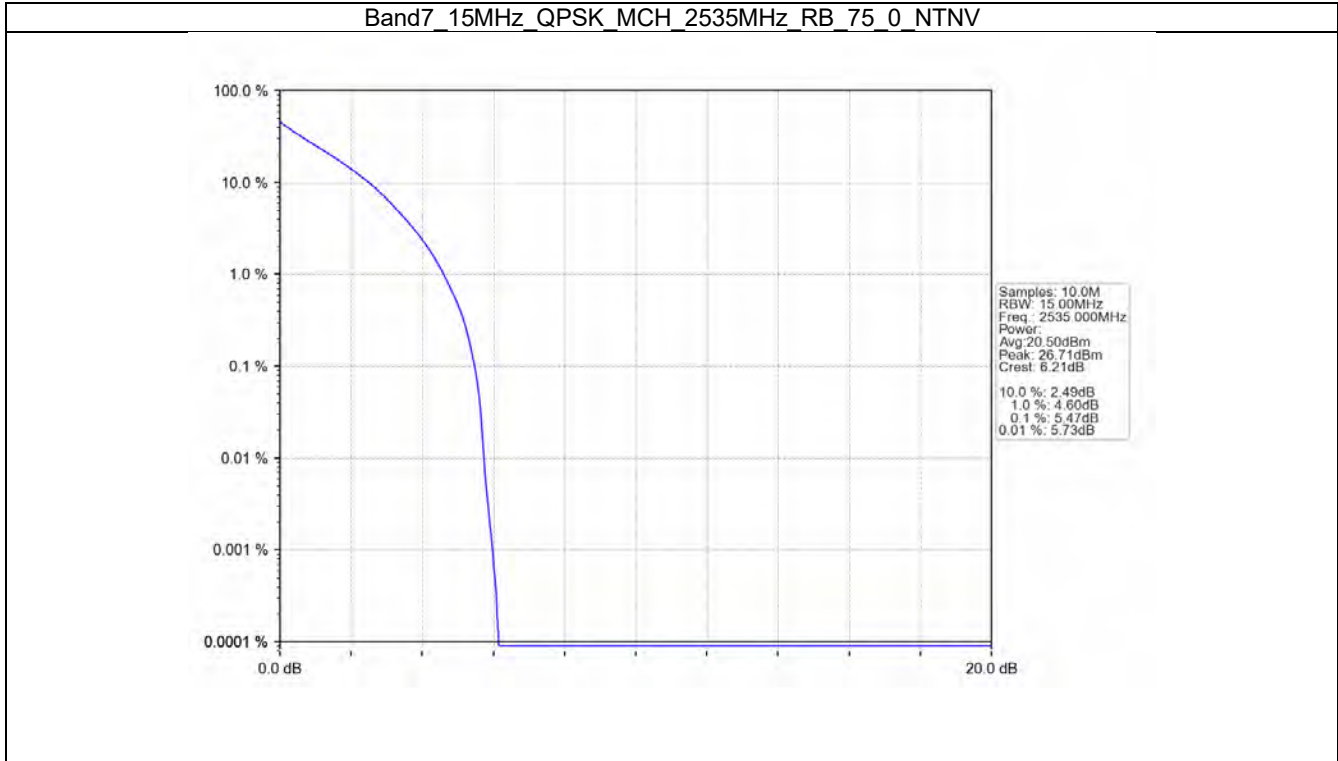
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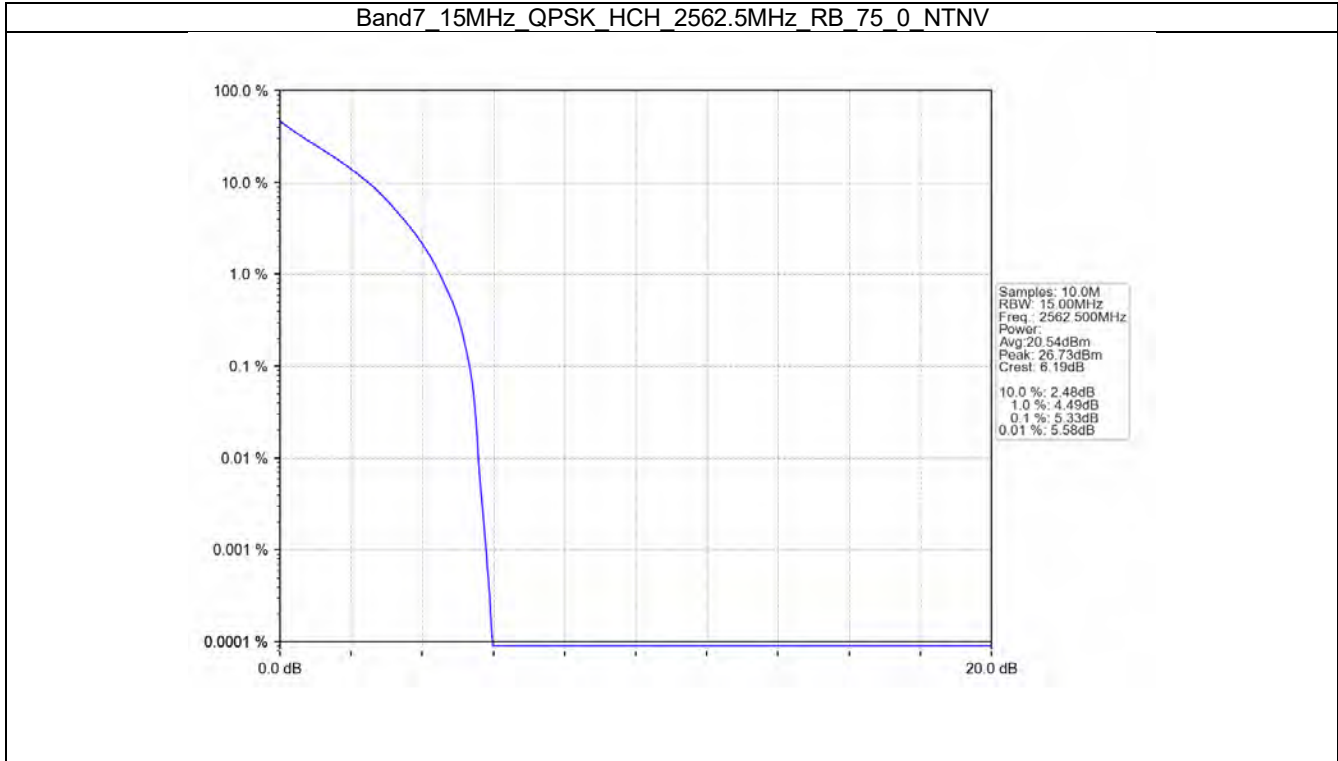


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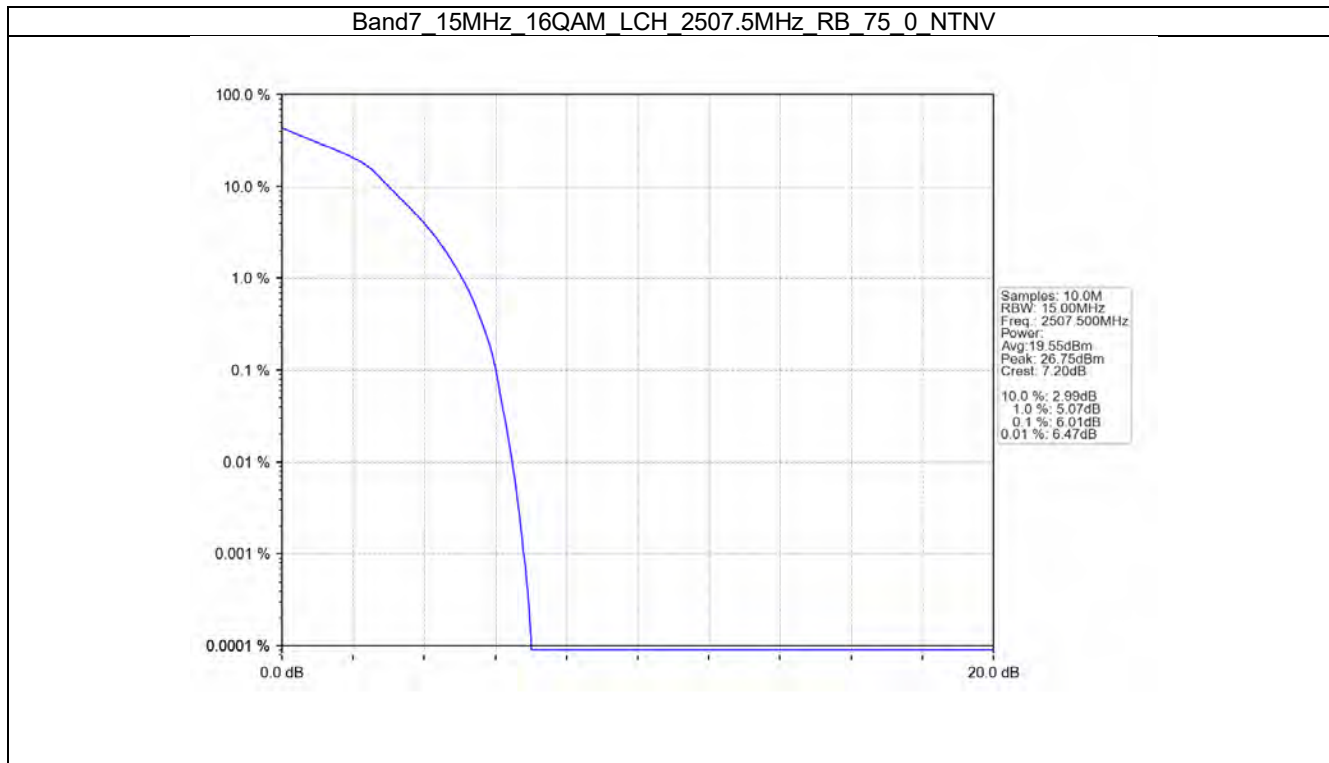
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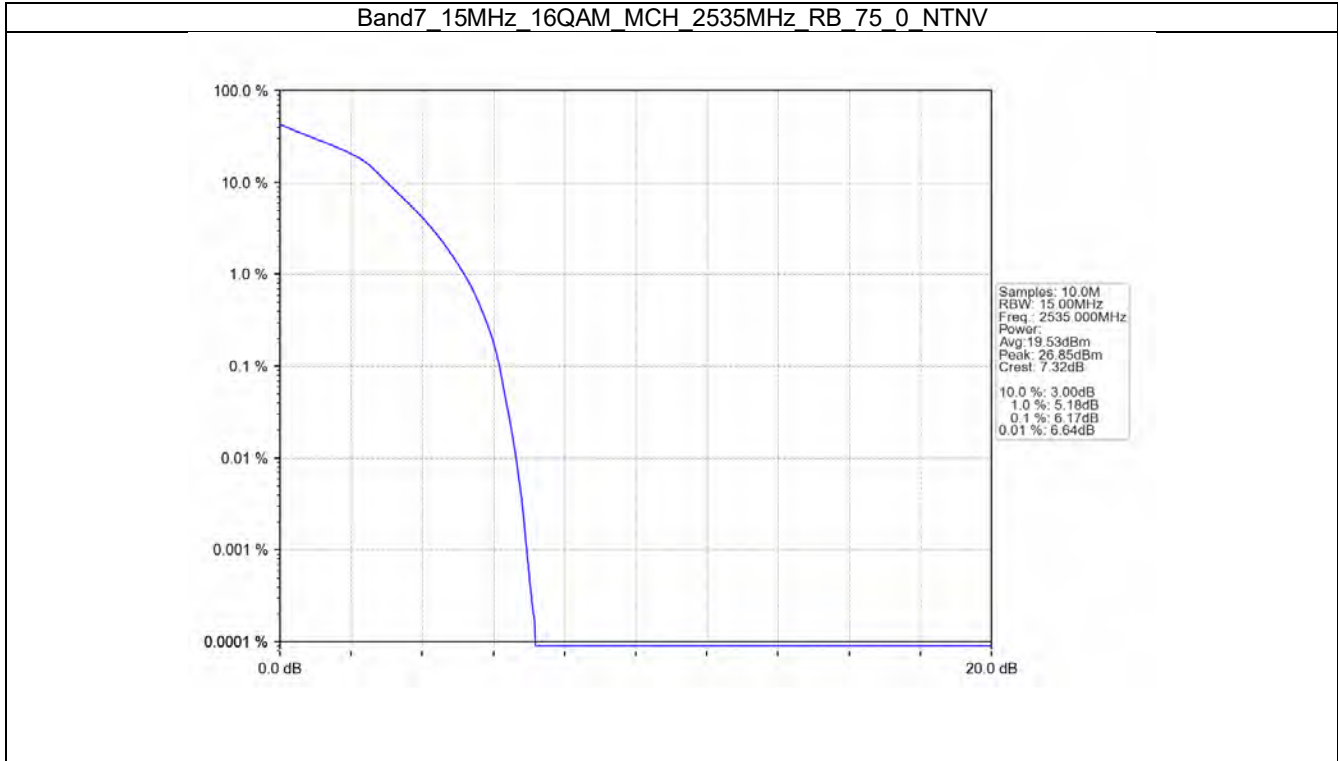


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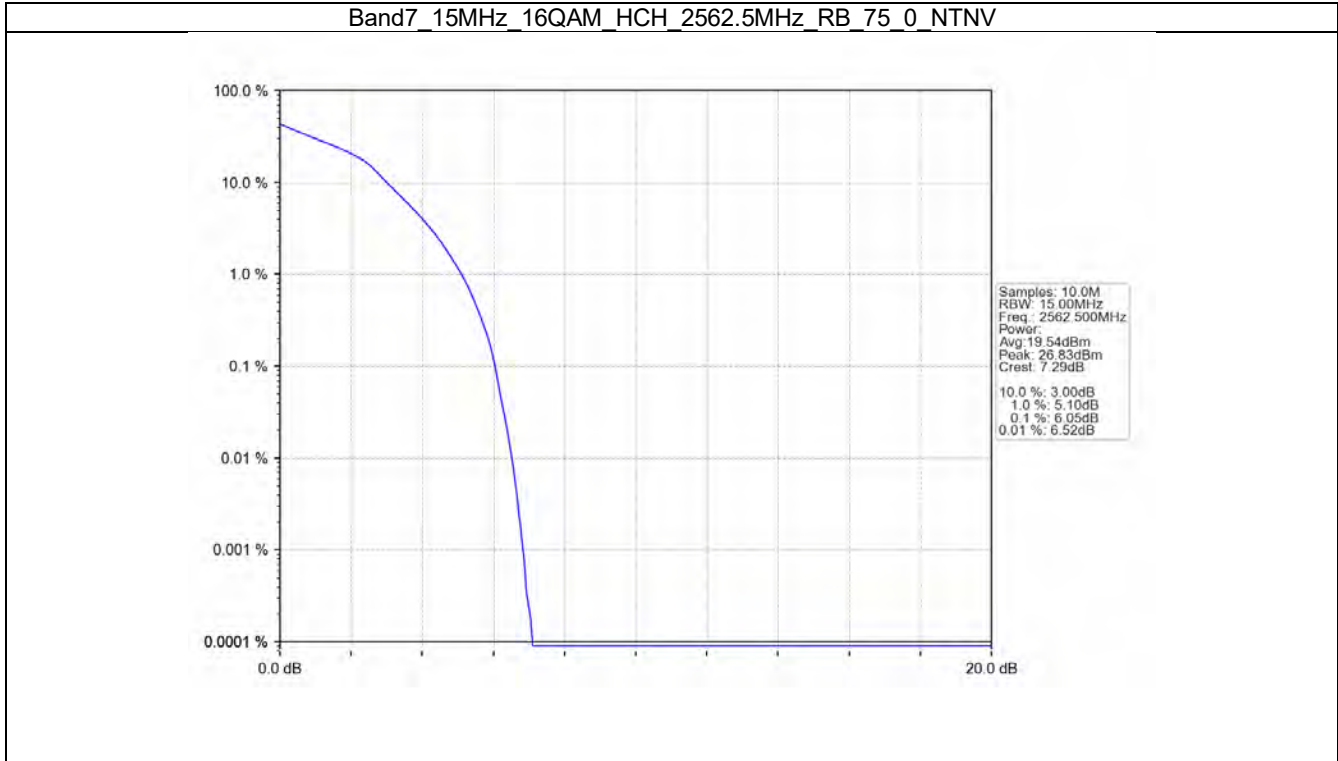


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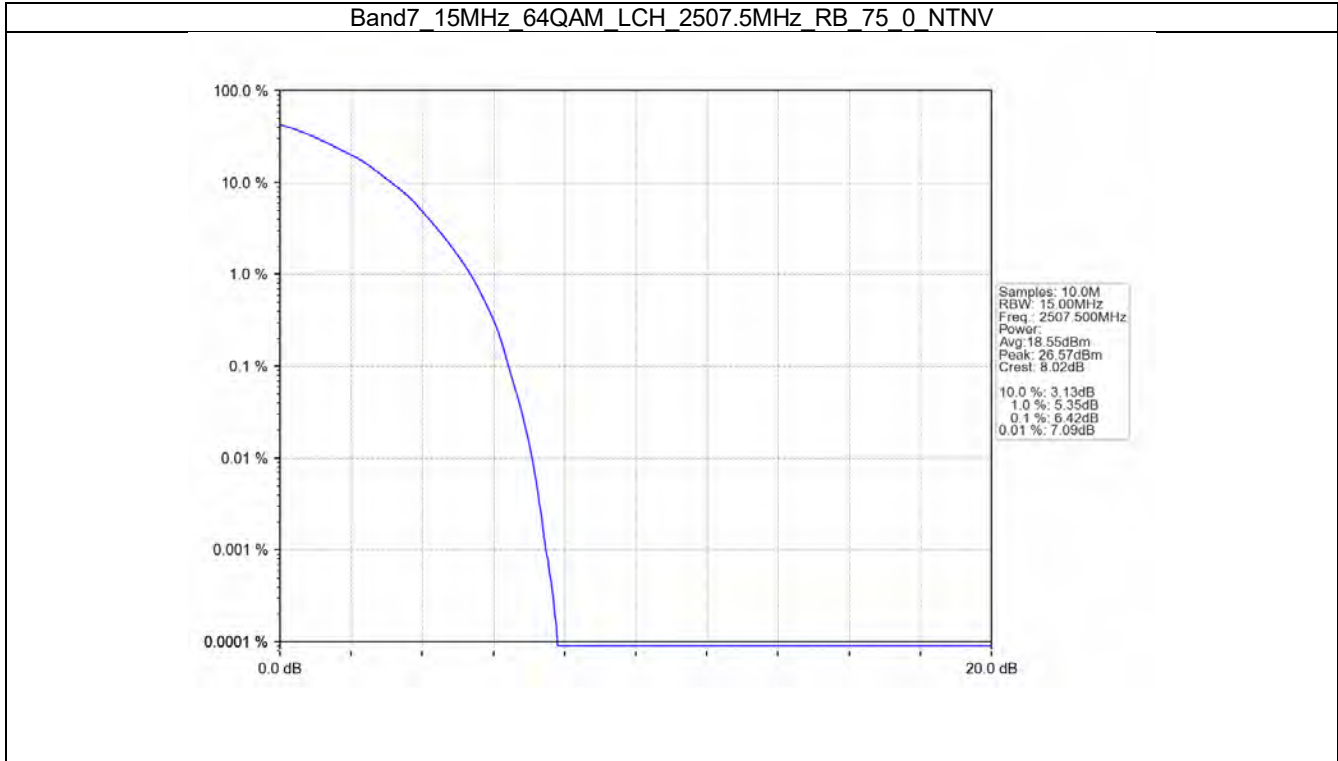


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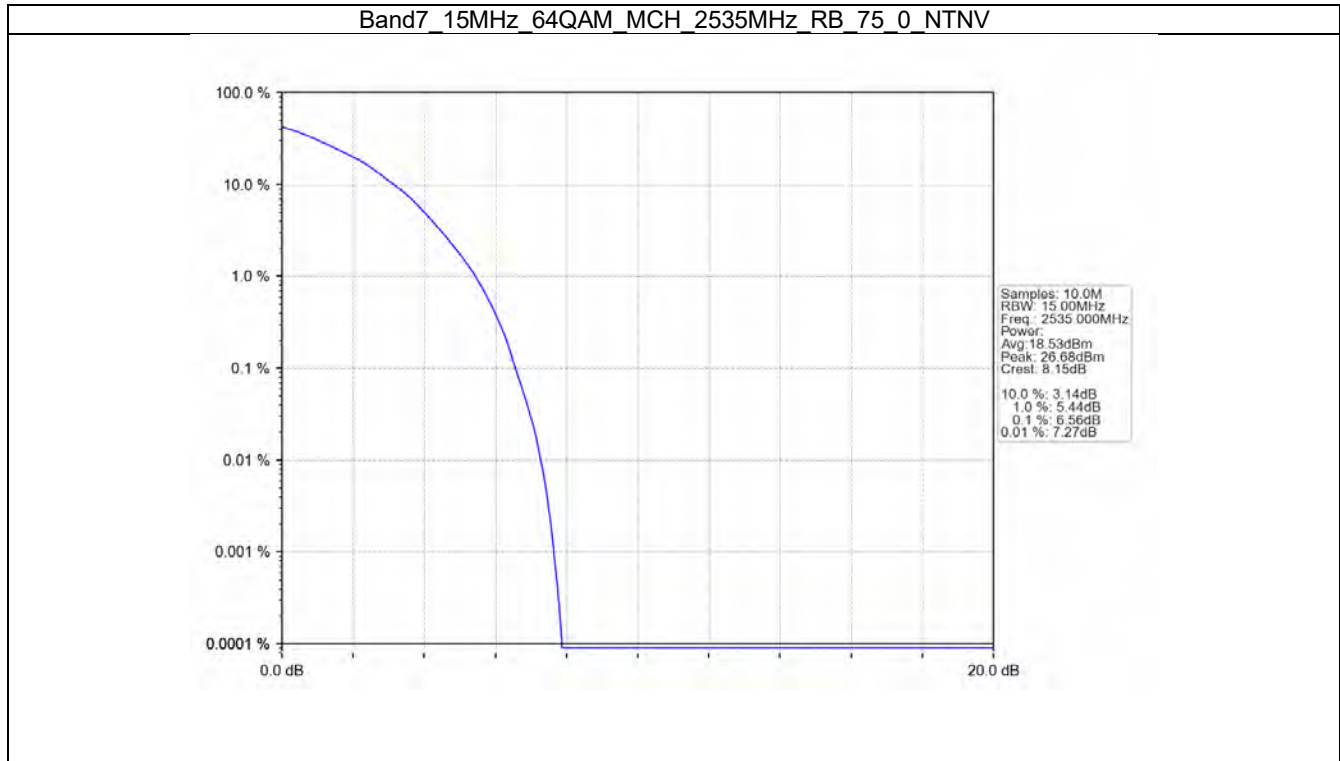


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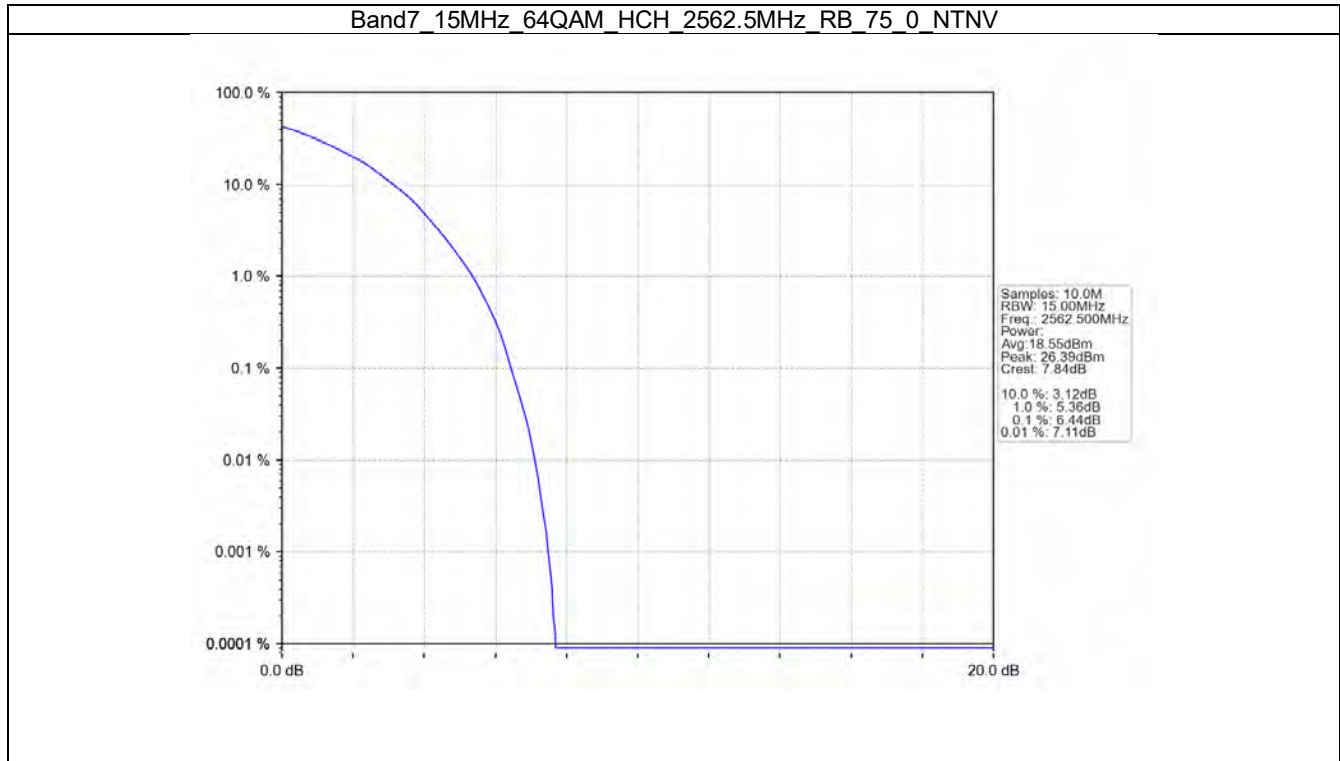


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4.4 B7_20MHz

4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.16	<=13	Pass
	2535	100	0	5.20	<=13	Pass
	2560	100	0	5.04	<=13	Pass
16QAM	2510	100	0	5.95	<=13	Pass
	2535	100	0	6.02	<=13	Pass
	2560	100	0	5.89	<=13	Pass
64QAM	2510	100	0	6.41	<=13	Pass
	2535	100	0	6.47	<=13	Pass
	2560	100	0	6.37	<=13	Pass



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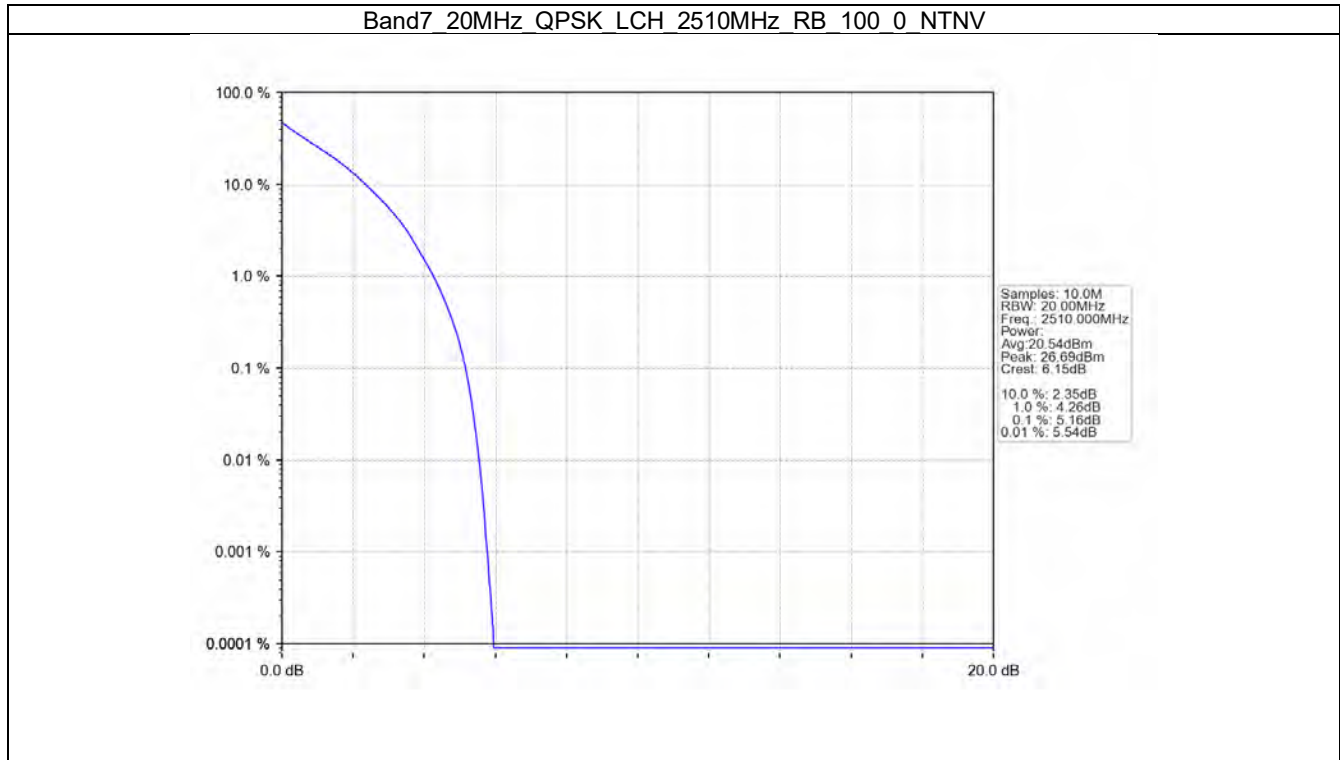
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4.4.2 Test Graph



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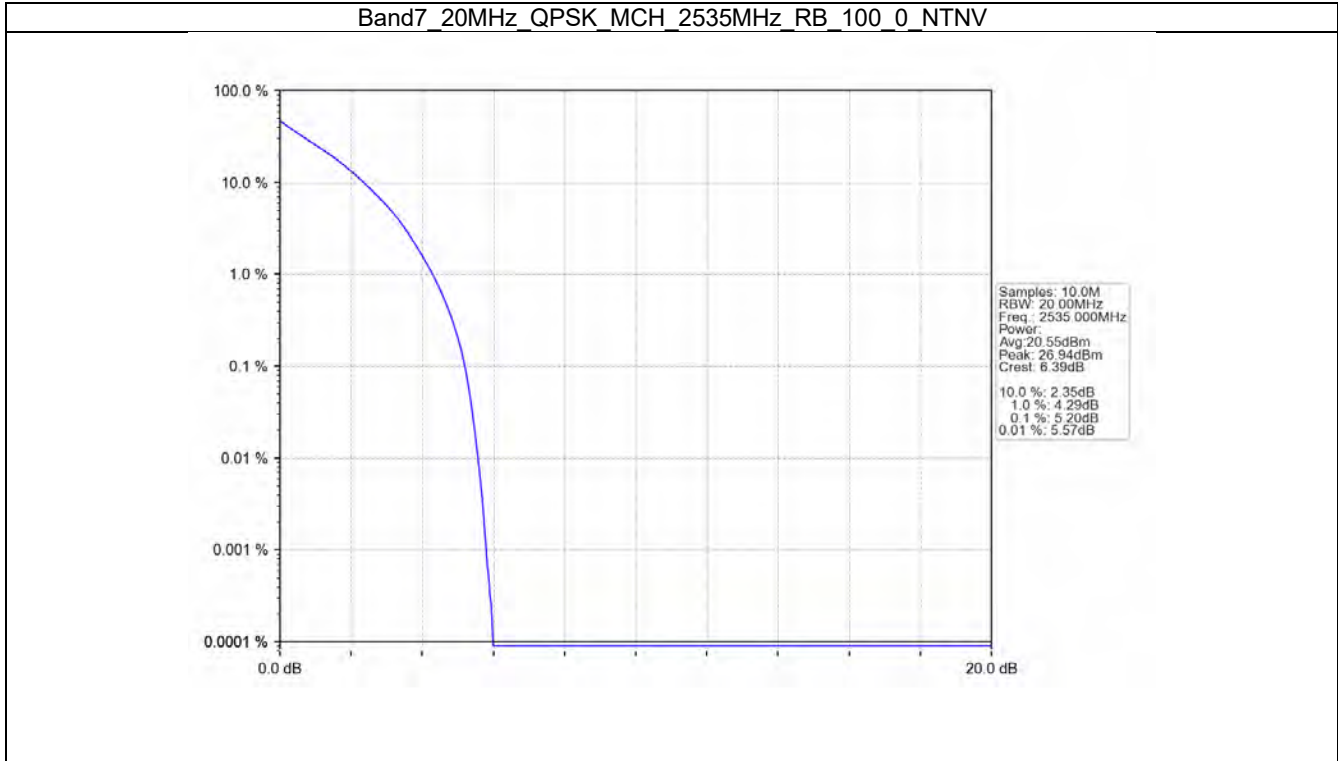


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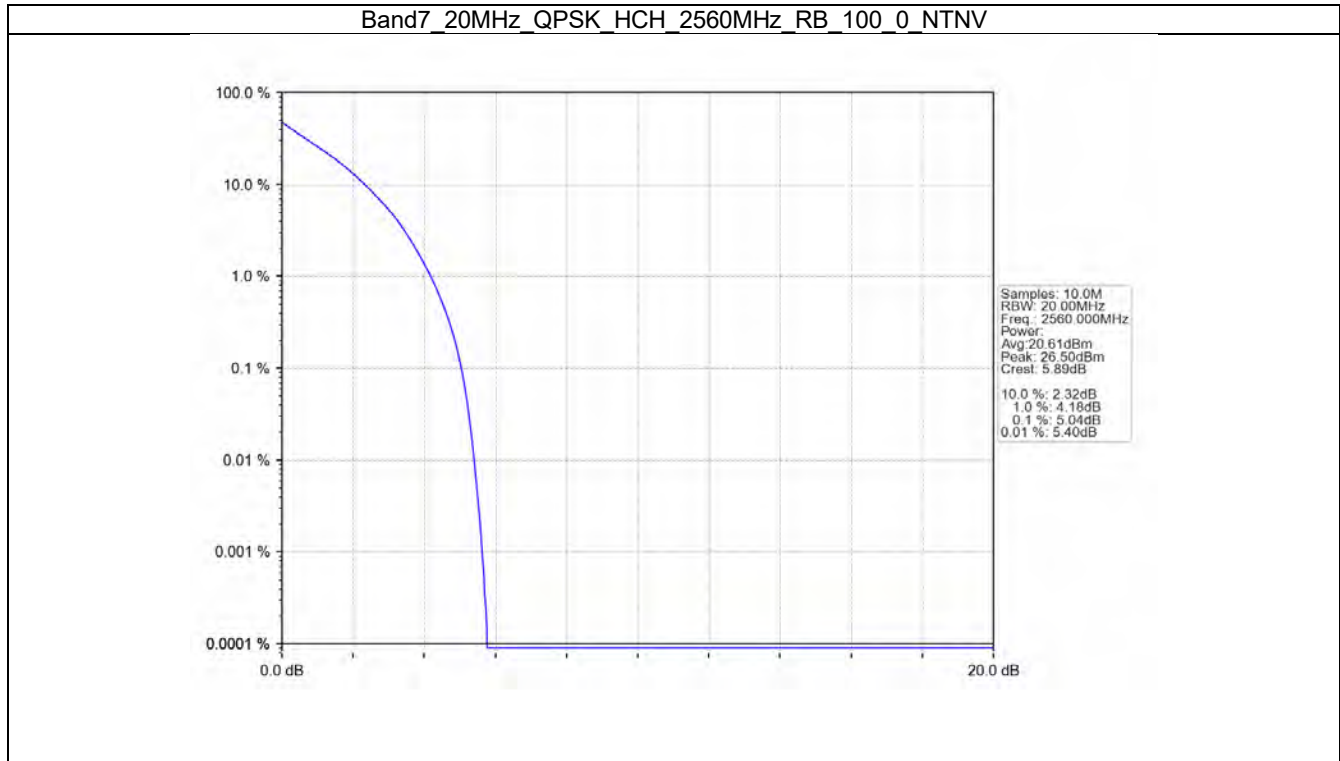


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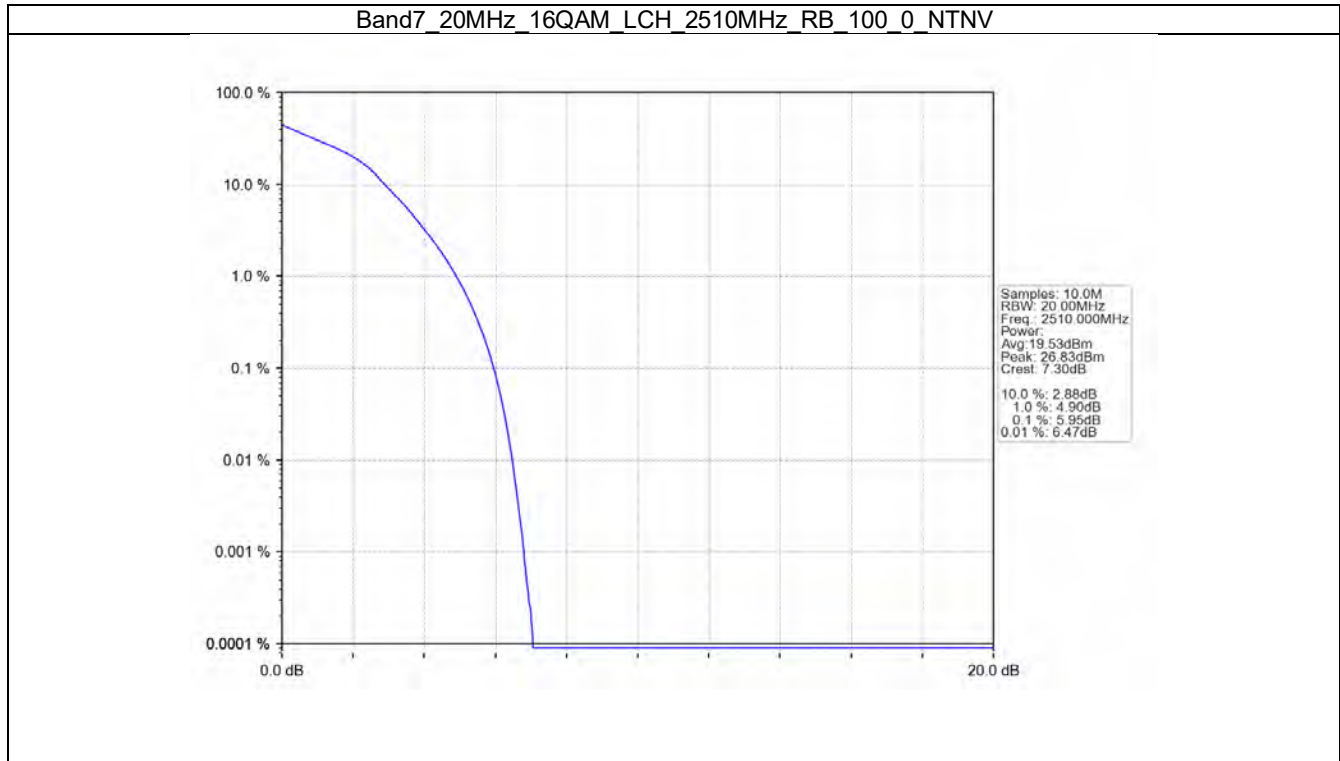


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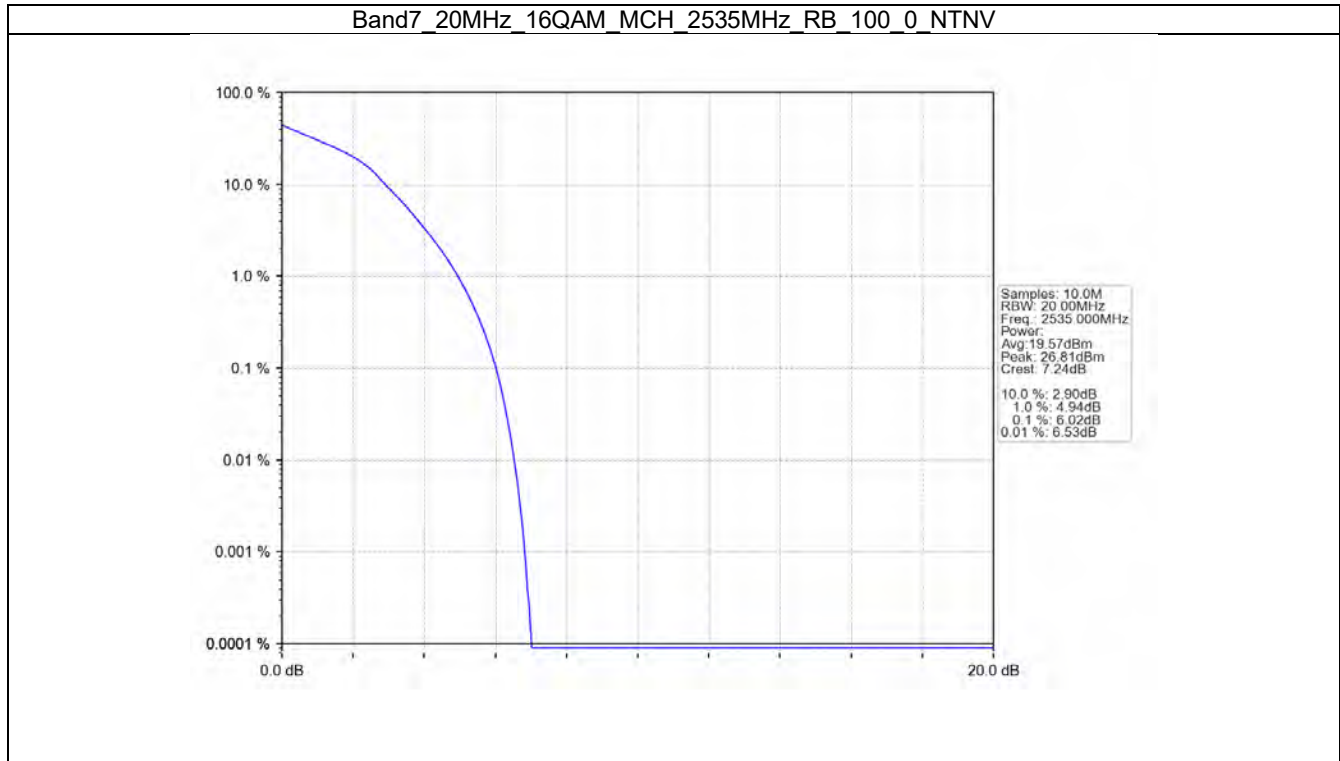


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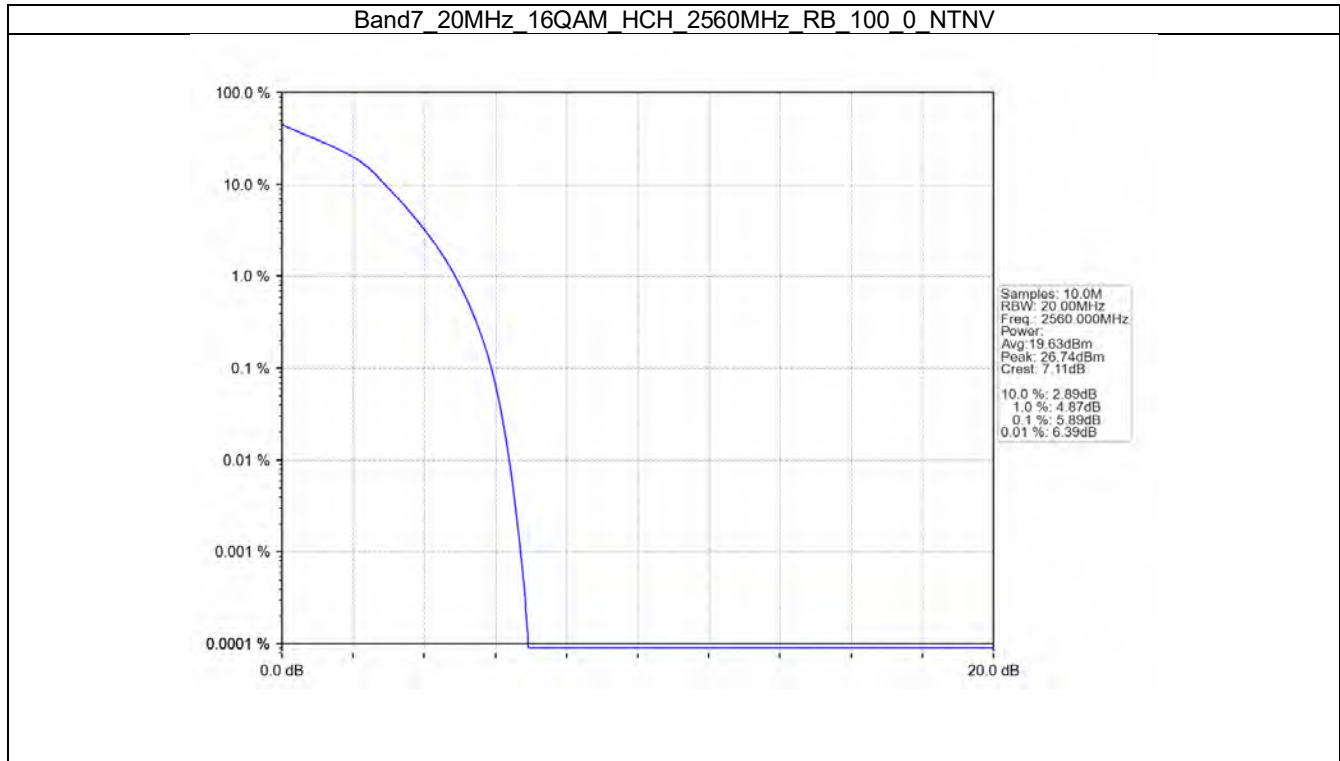


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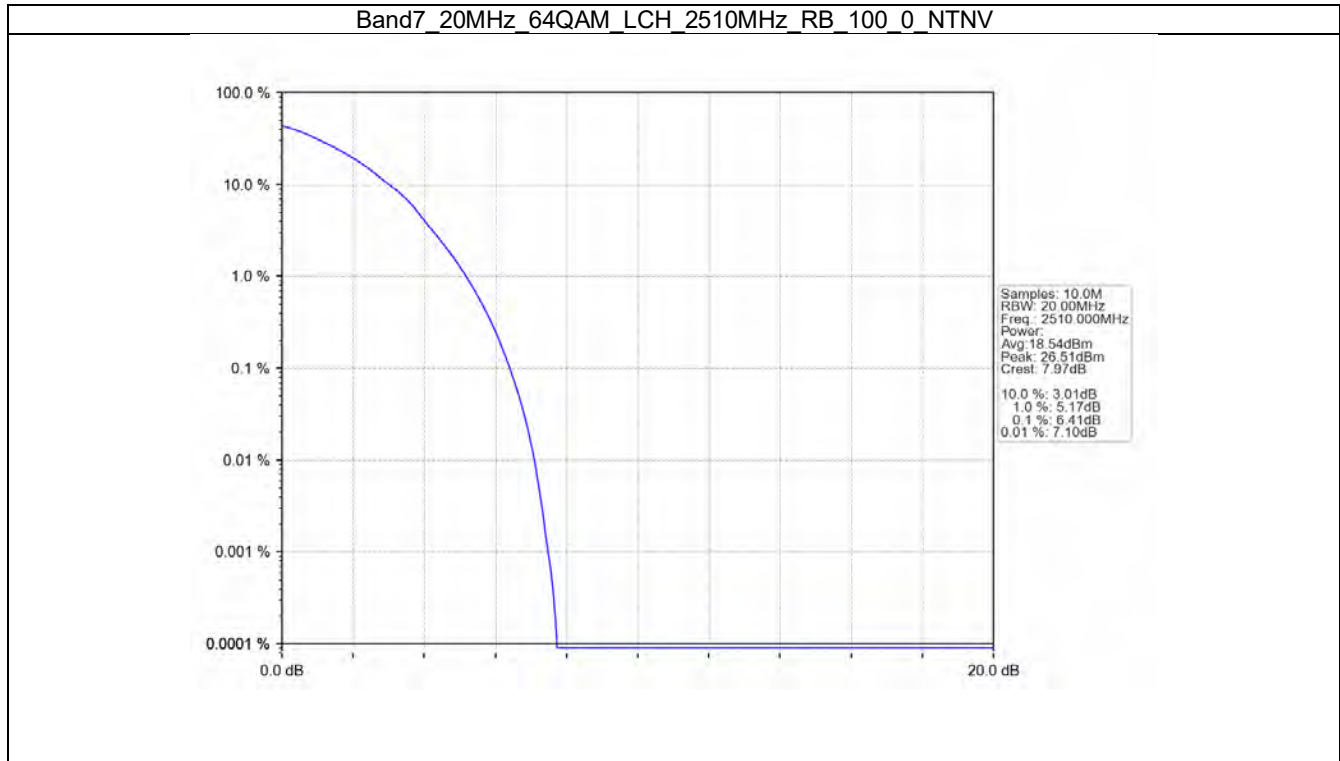


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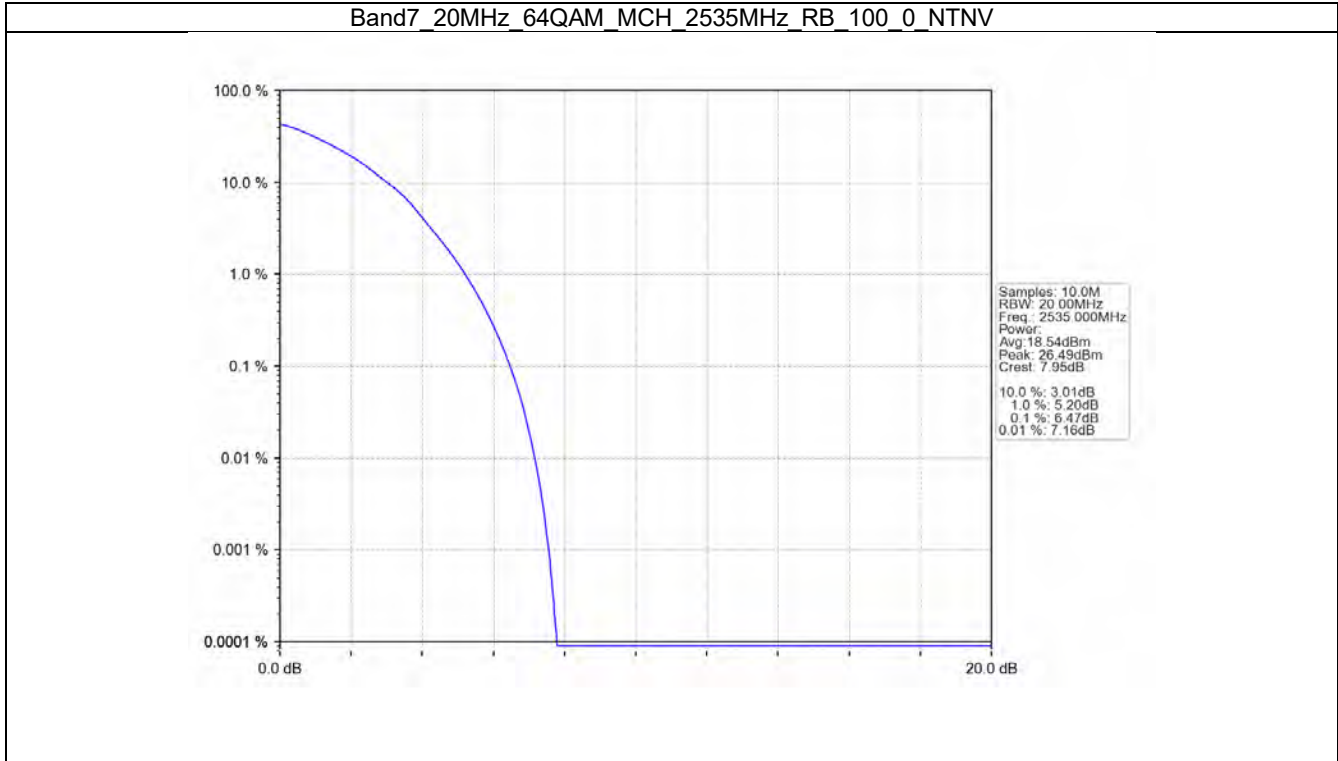


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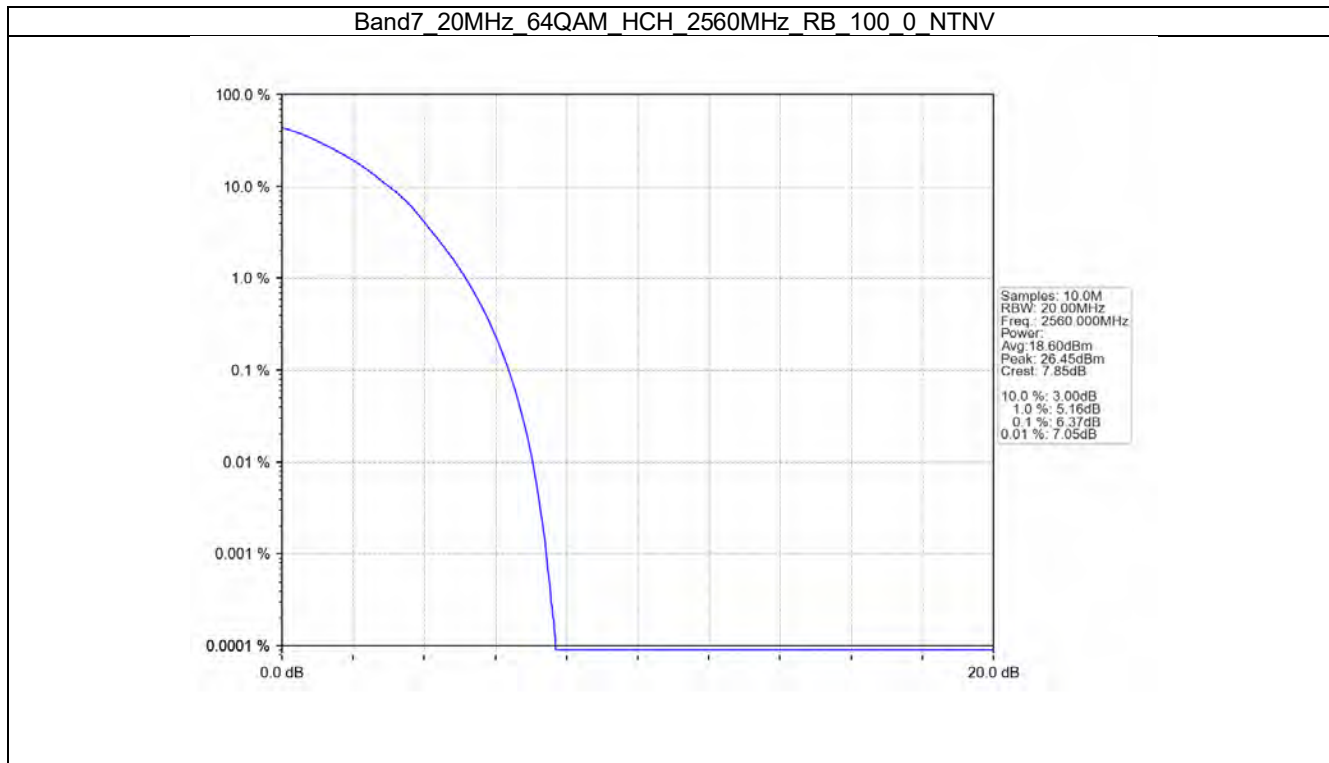
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5. Spurious Emission & Band Edges

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
	2567.5	1	0	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
	2567.5	1	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
	2567.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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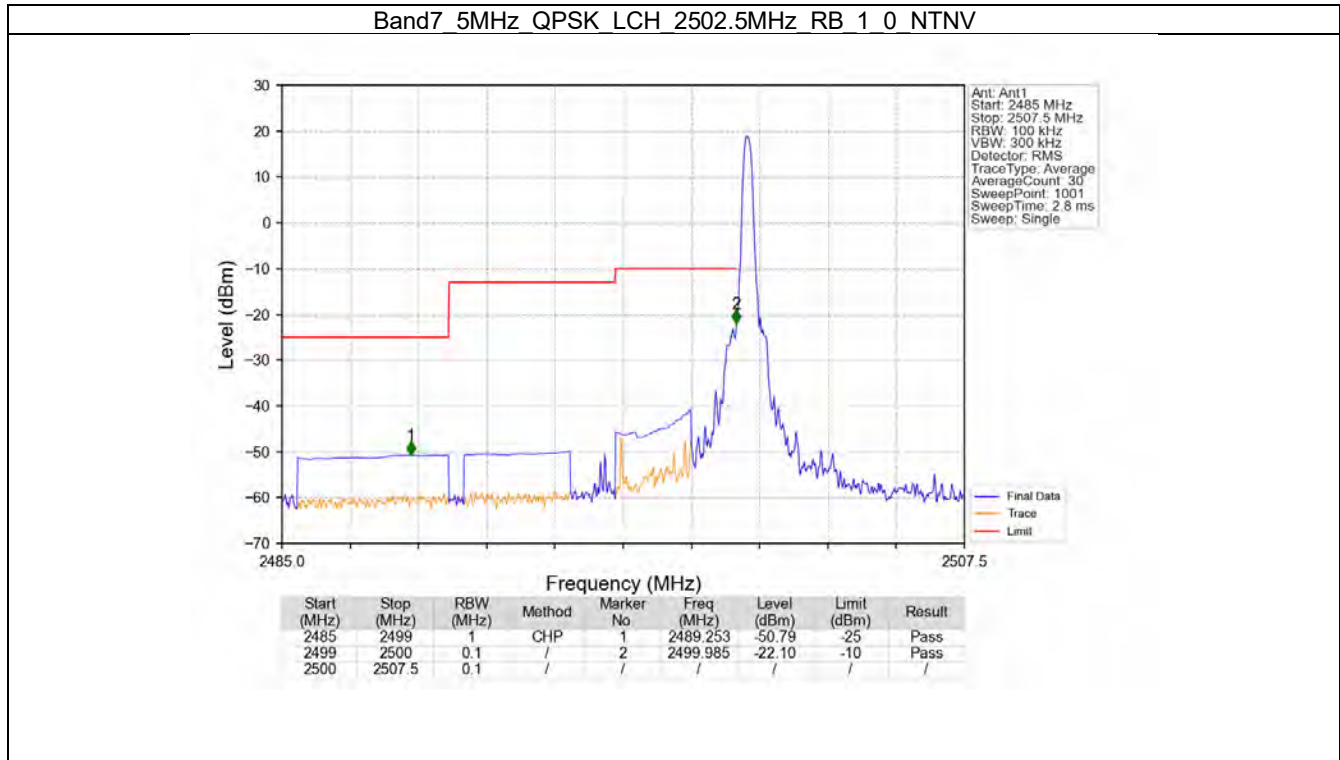
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5.1.2 Test Graph



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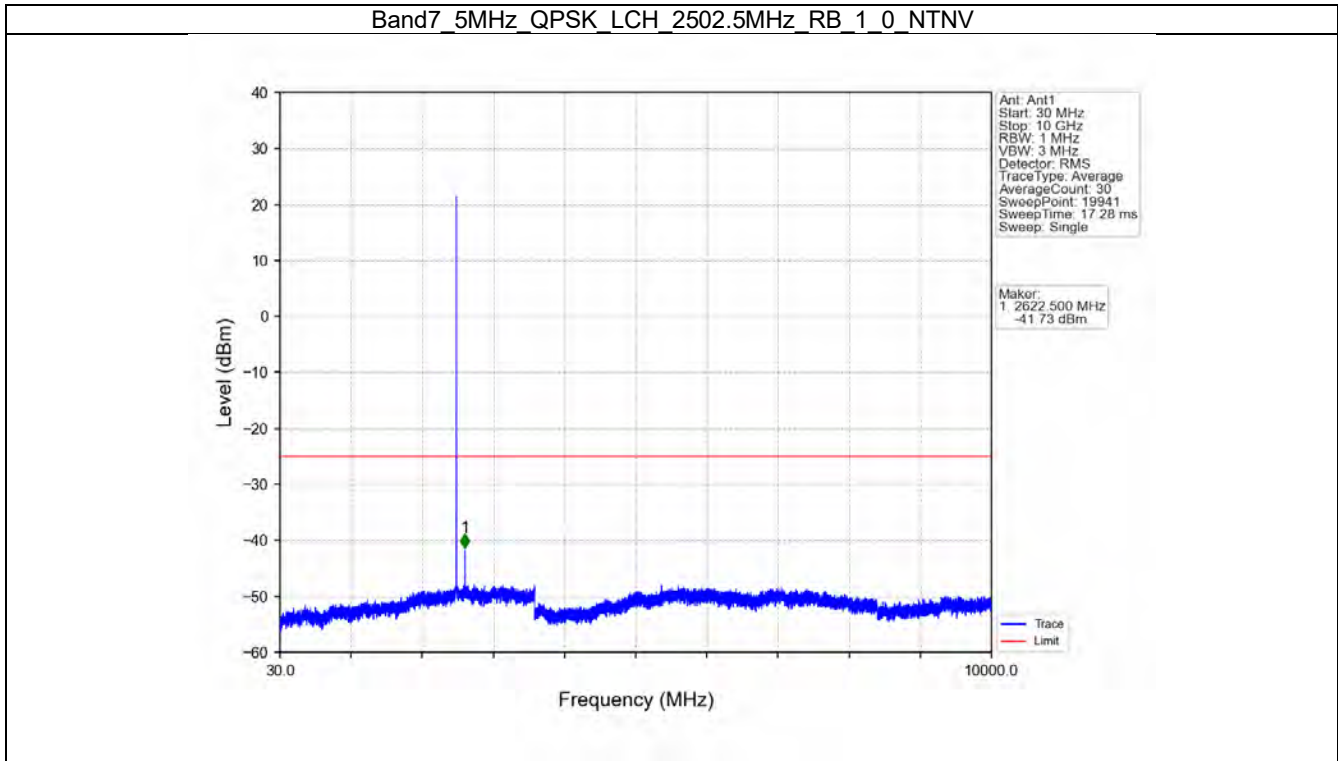


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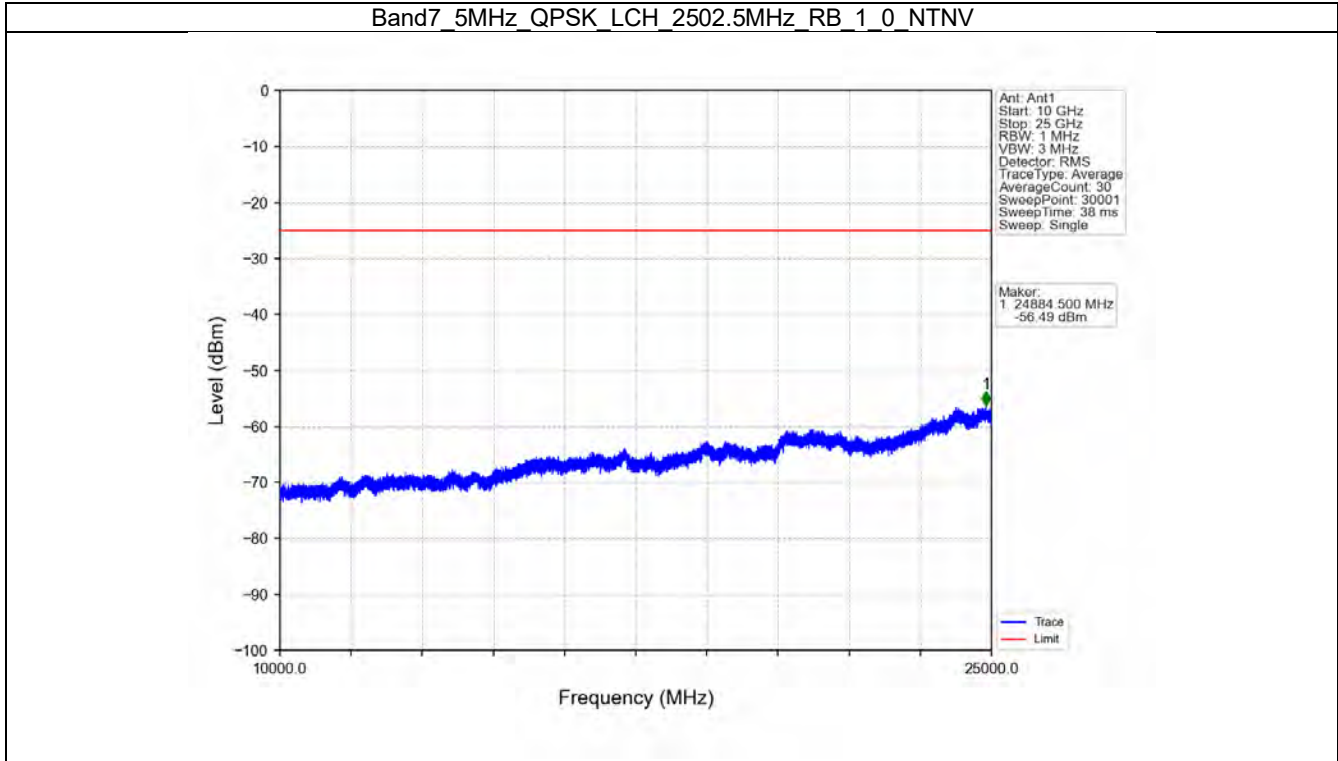


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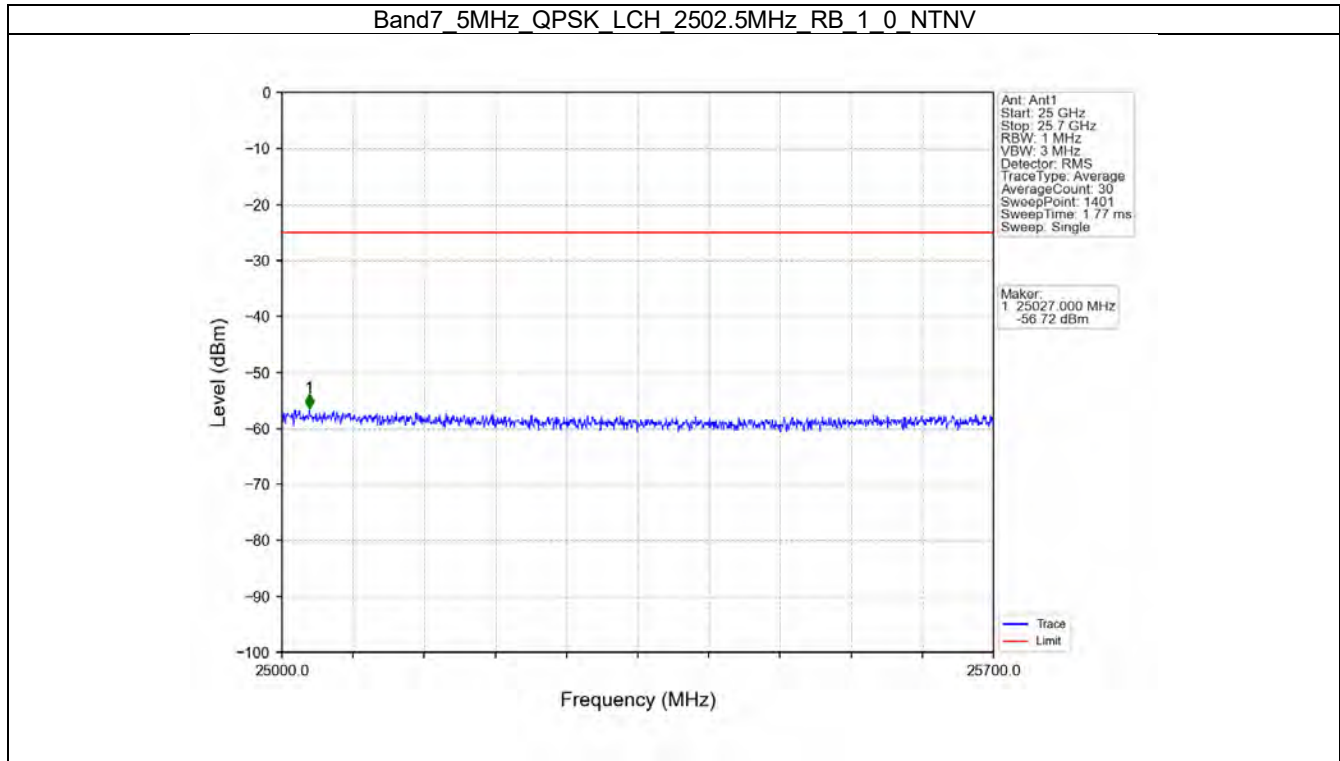


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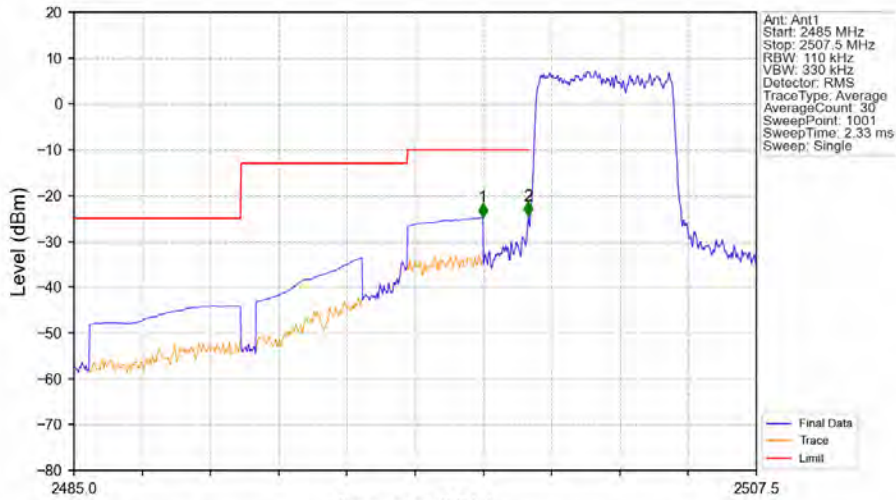
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Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-24.71	-10	Pass
2499	2500	0.11	/	2	2499.985	-24.52	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/



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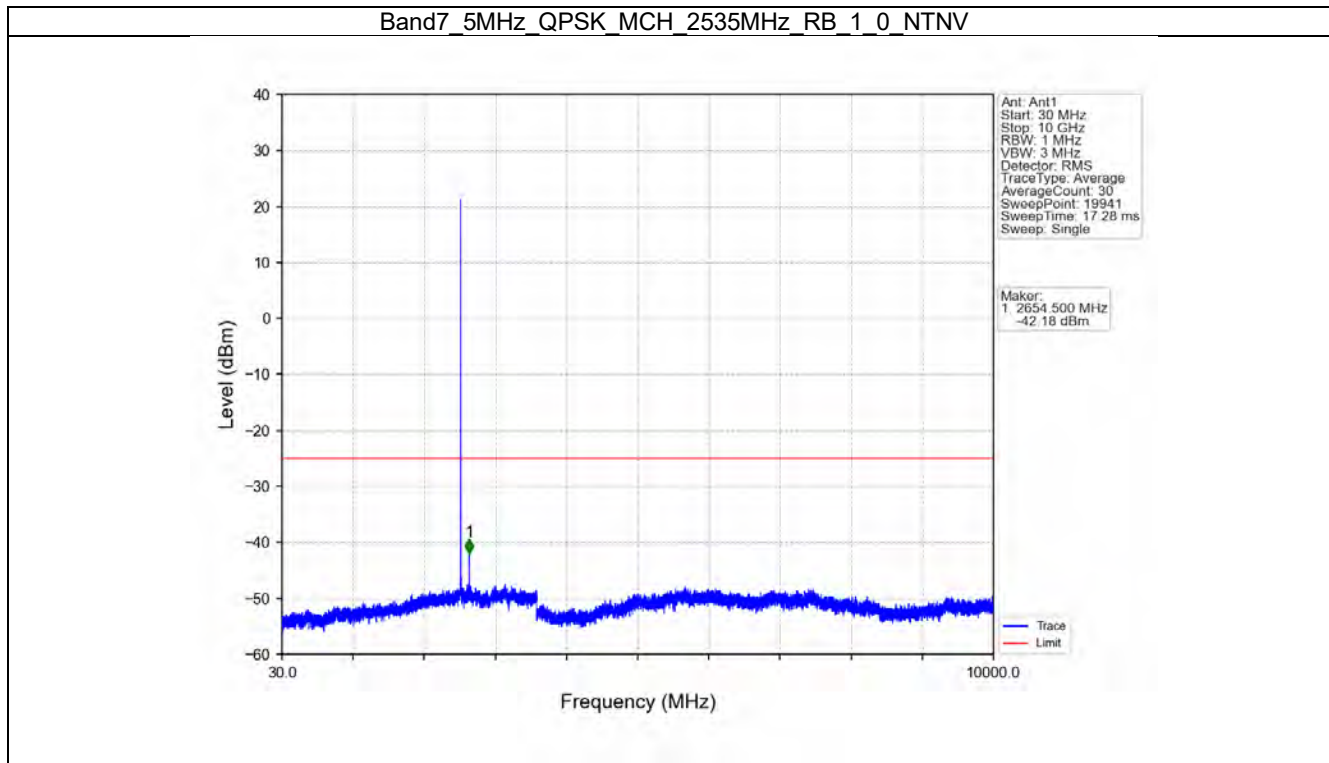
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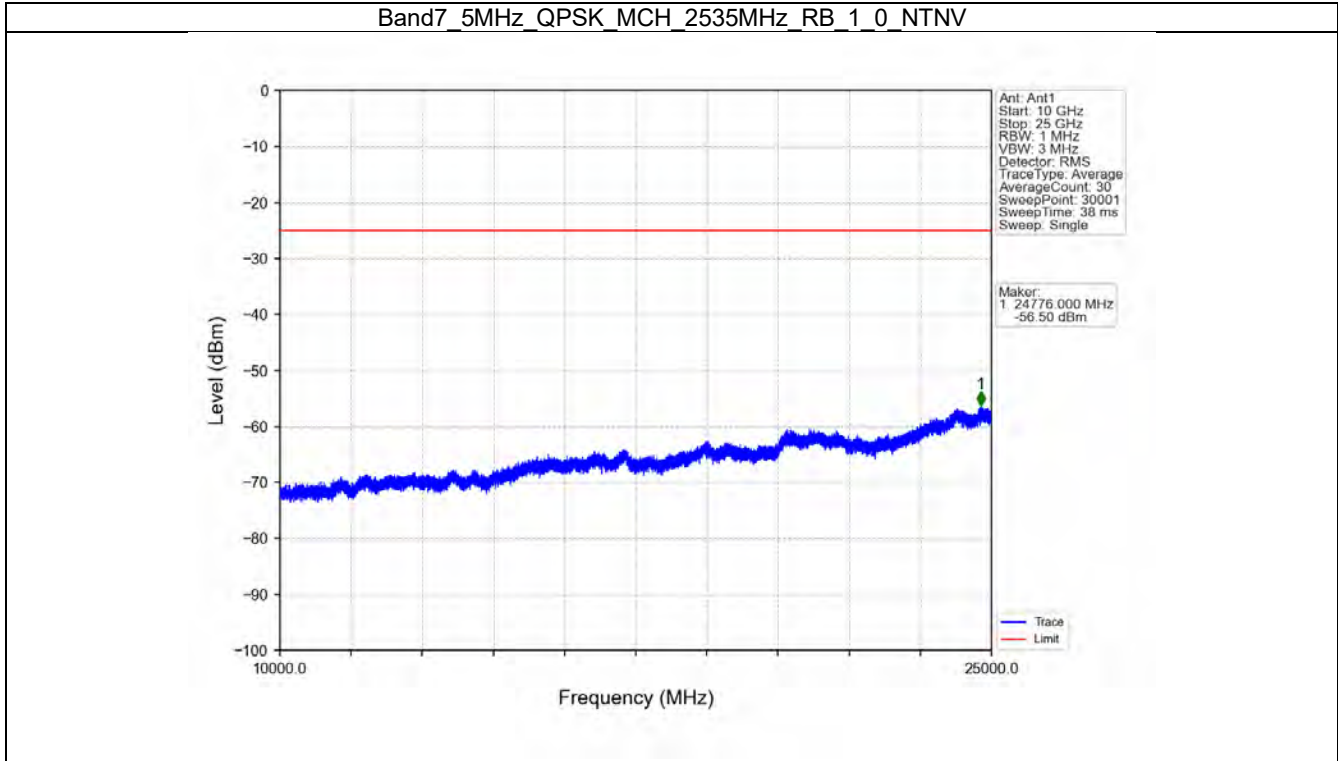


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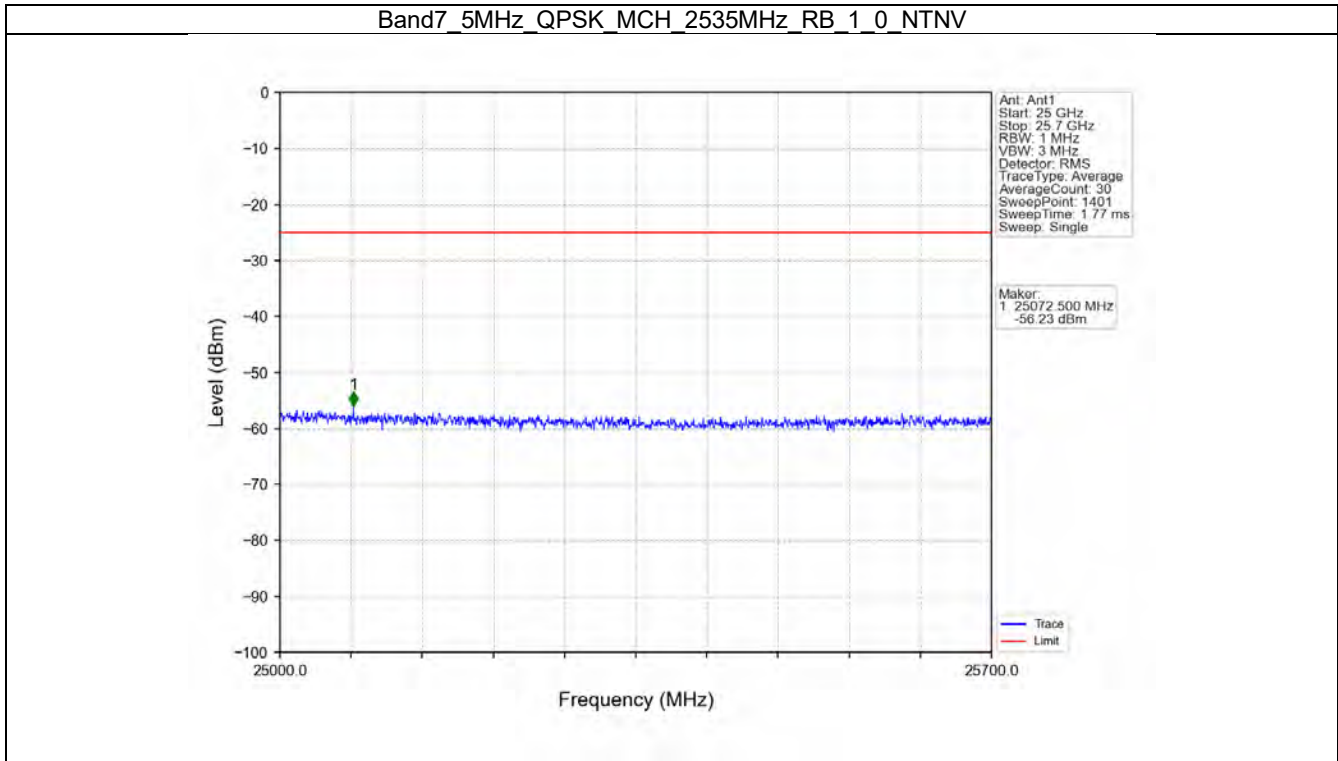


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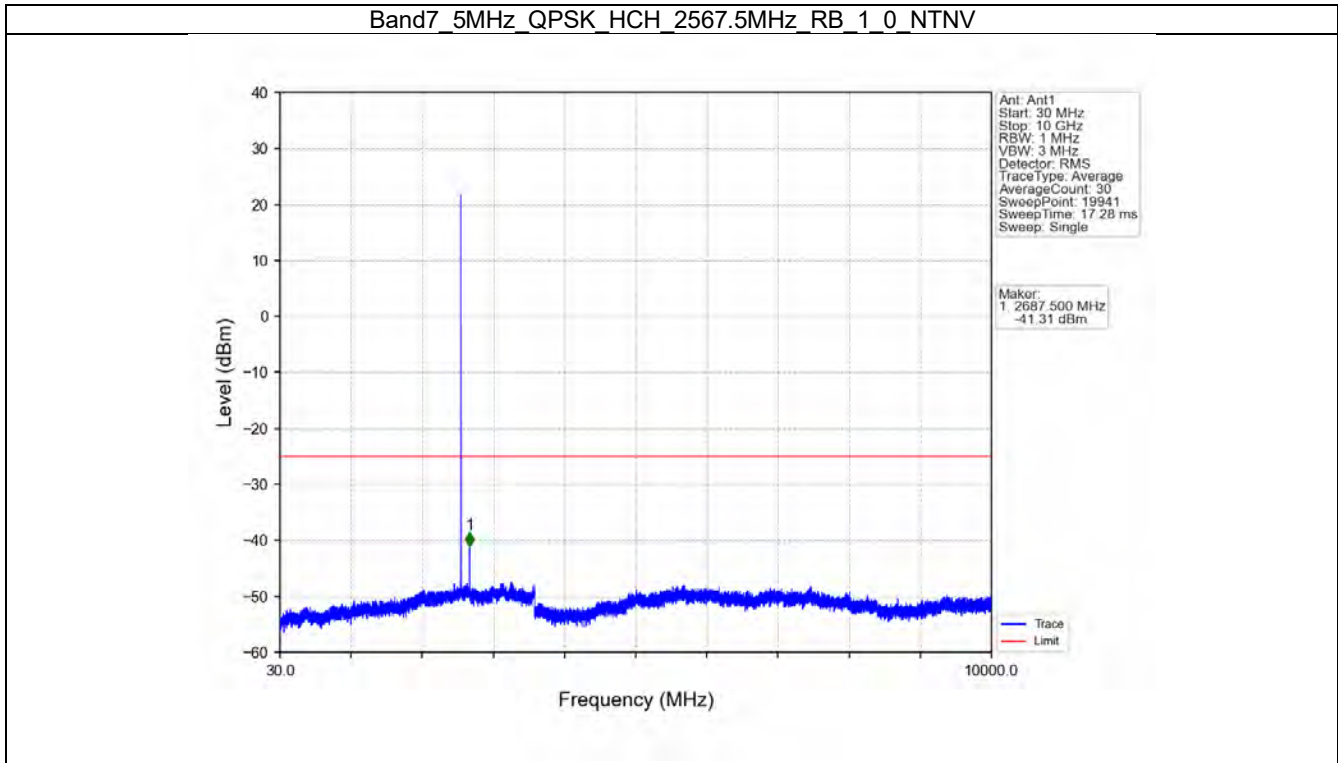


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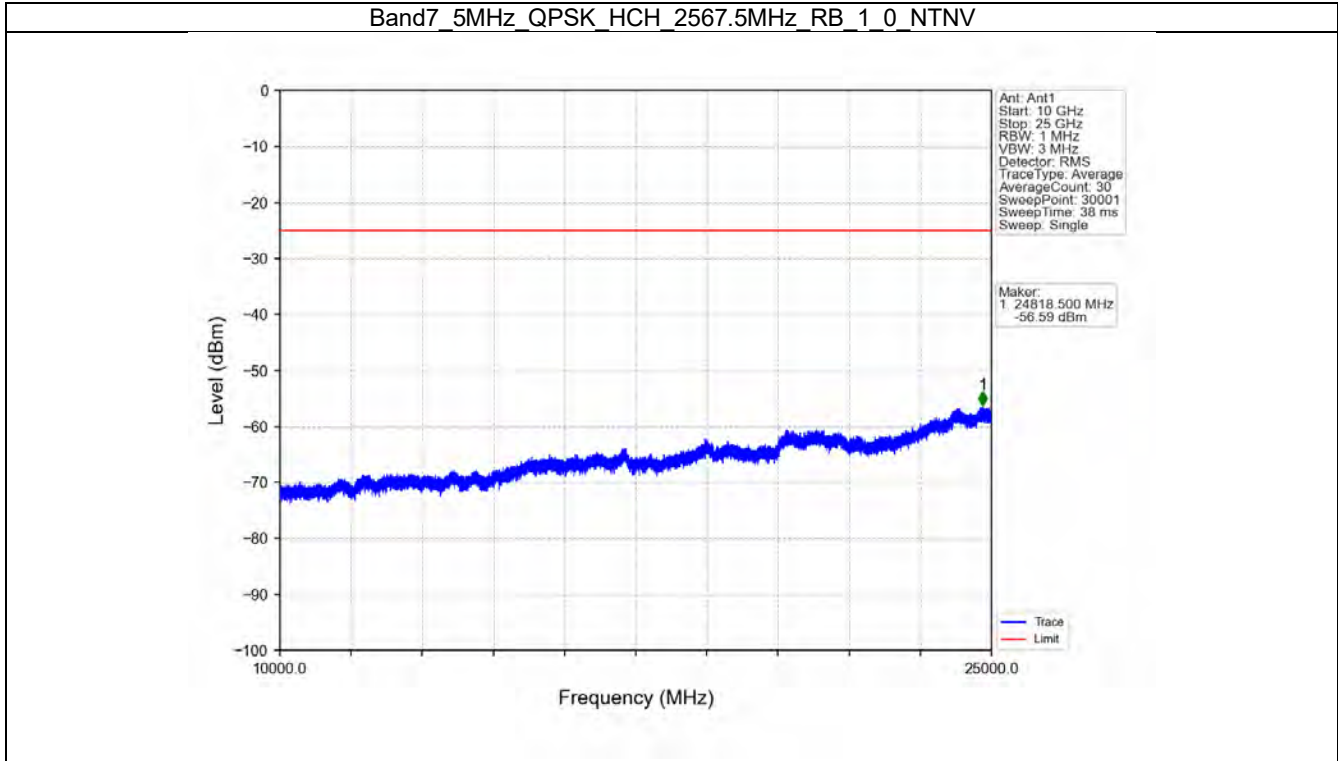


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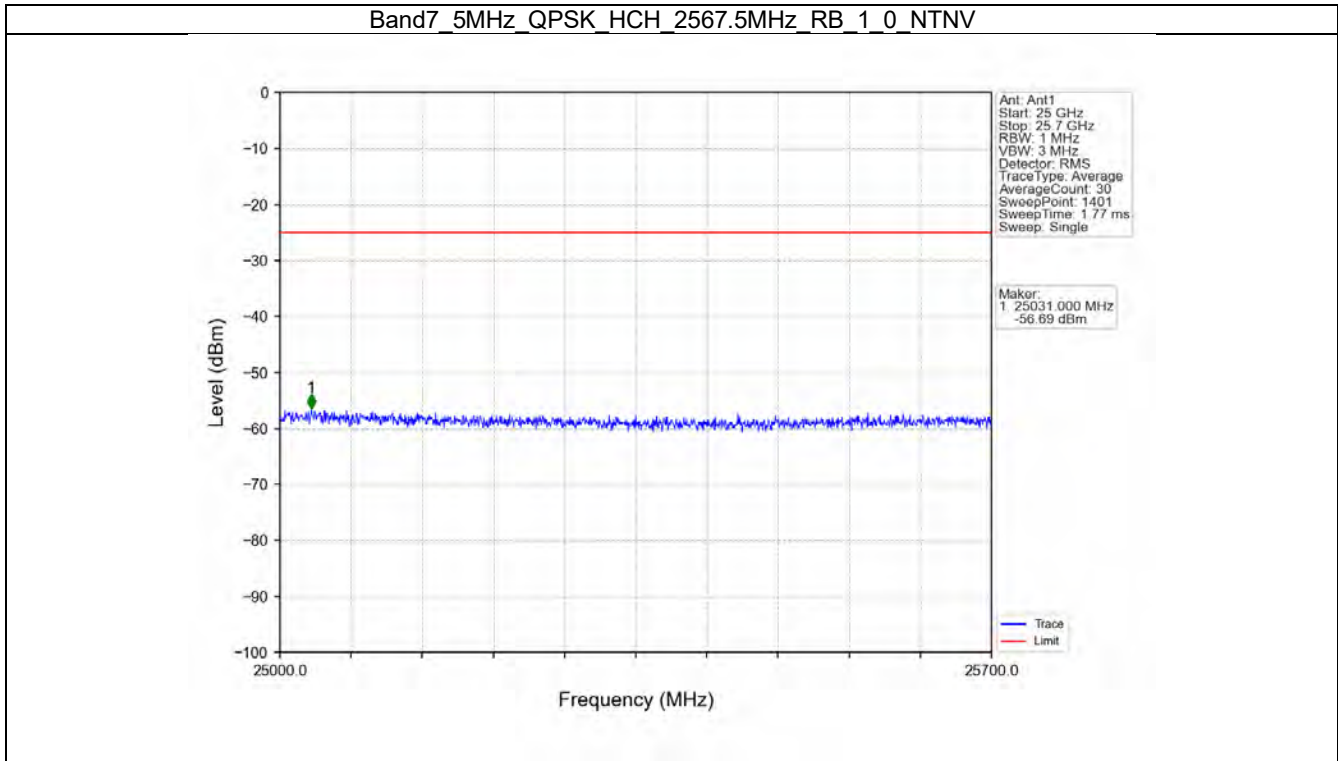


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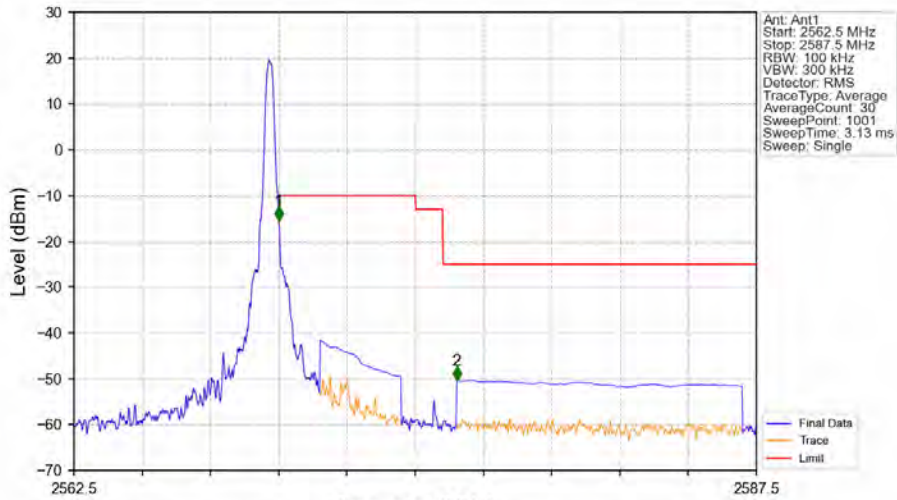
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



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	2570.000	-15.55	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-50.45	-25	Pass



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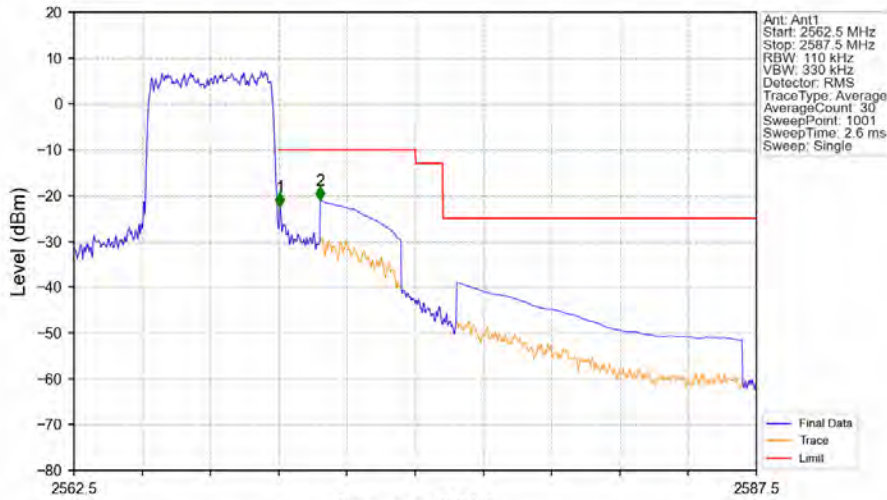
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.050	-22.49	-10	Pass
2571	2587.5	1	CHP	2	2571.525	-21.13	-10	Pass



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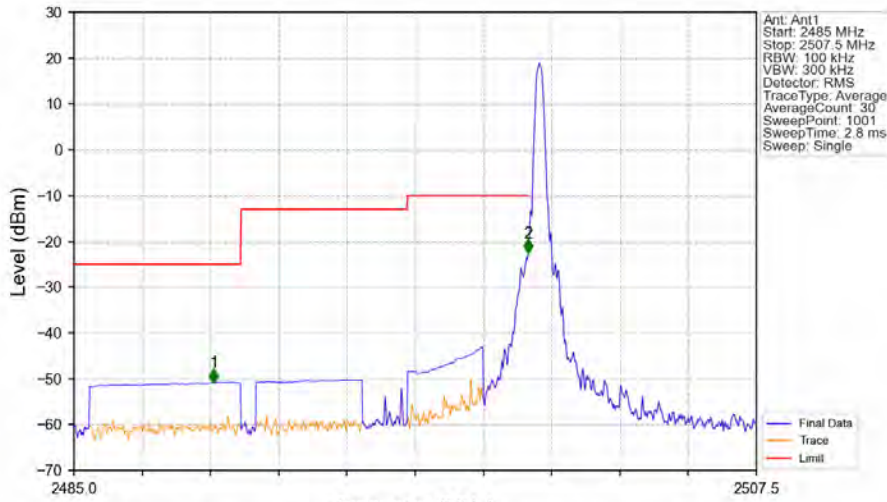
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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.613	-50.87	-25	Pass
2499	2500	0.1	/	2	2499.985	-22.64	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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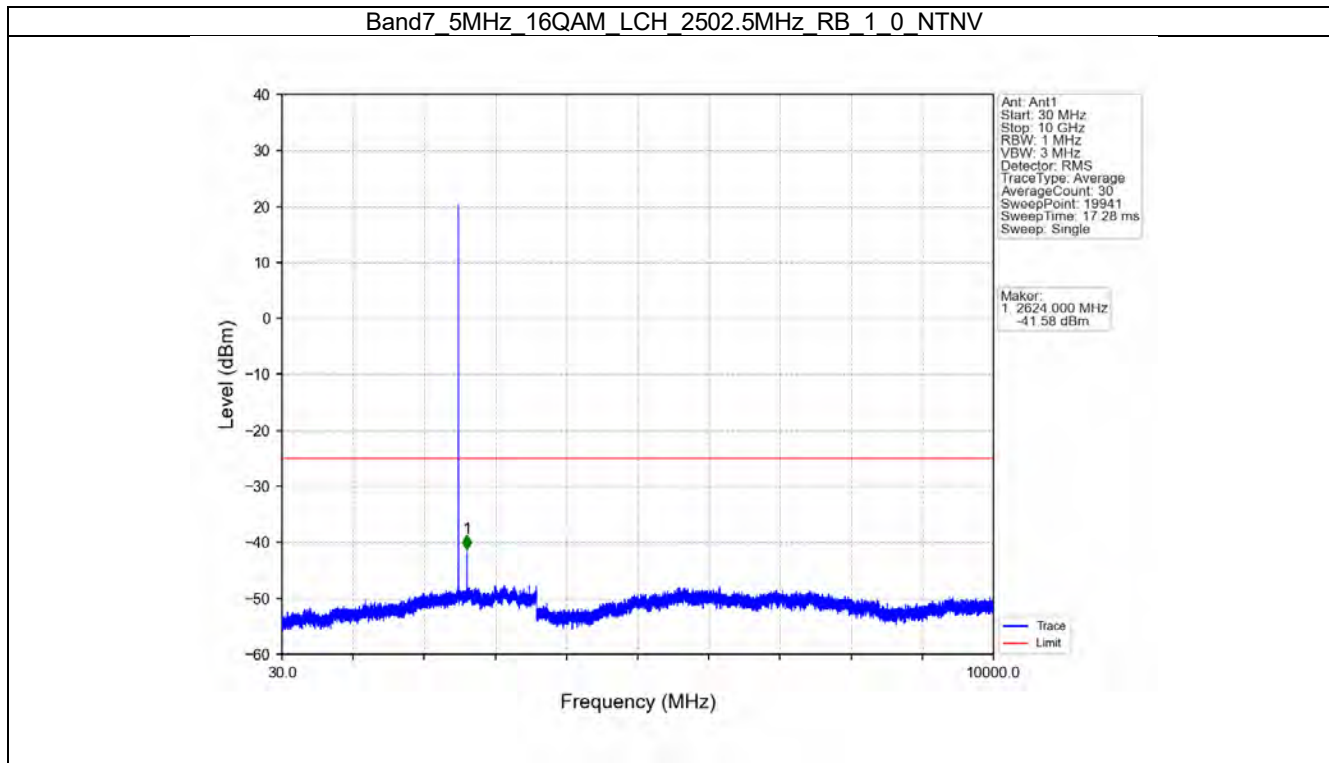
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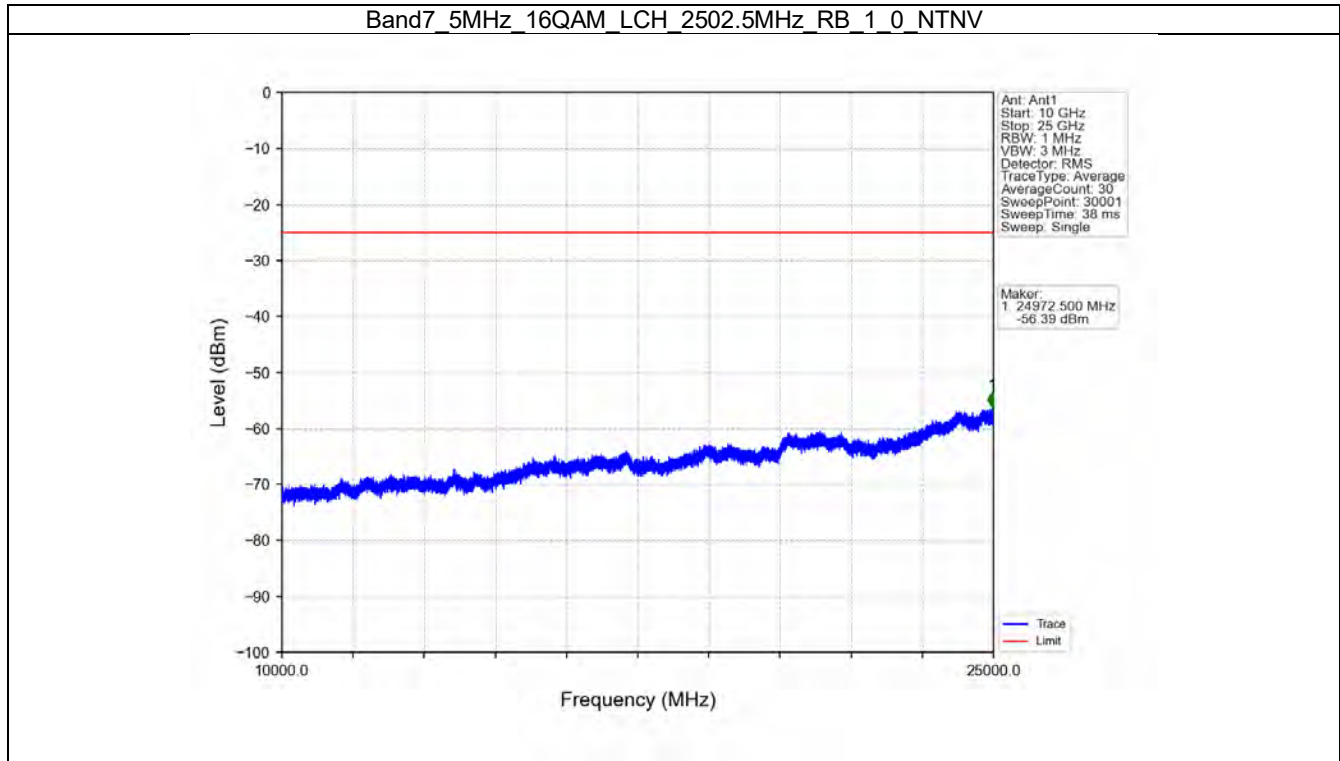


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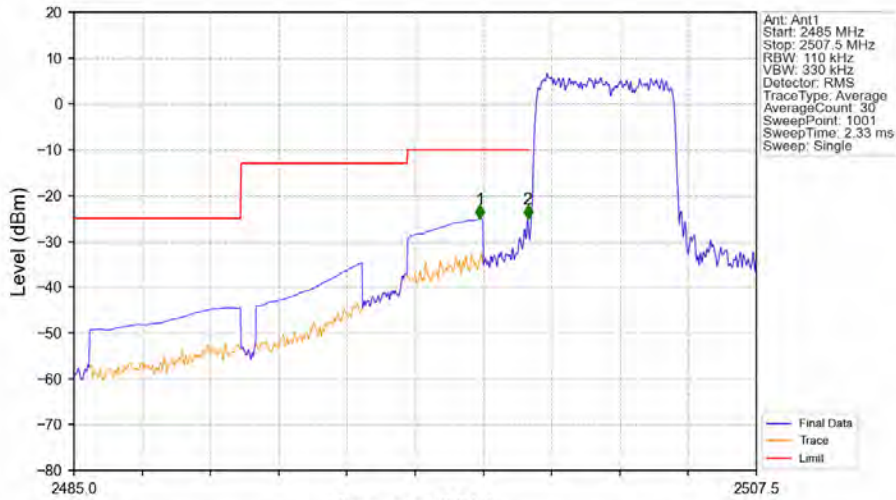
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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.387	-25.11	-10	Pass
2499	2500	0.11	/	2	2499.963	-25.13	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/



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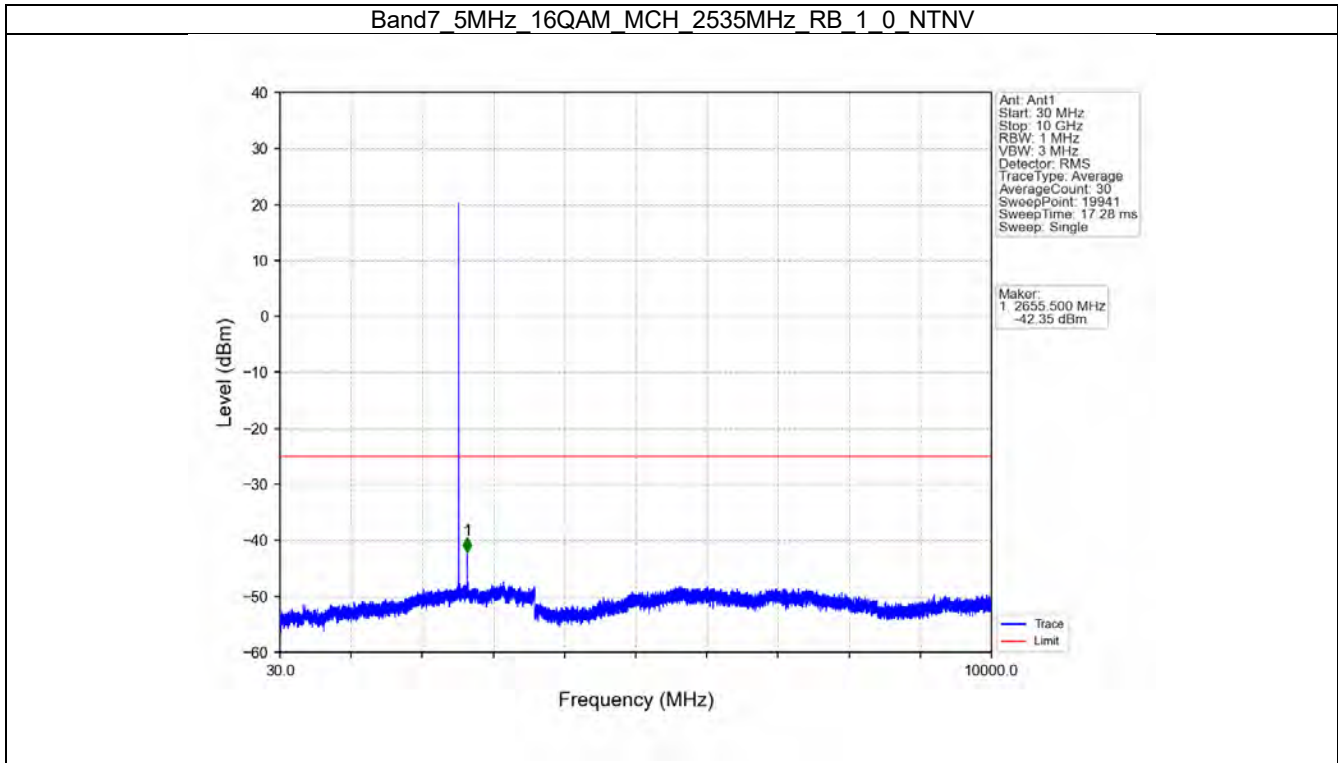


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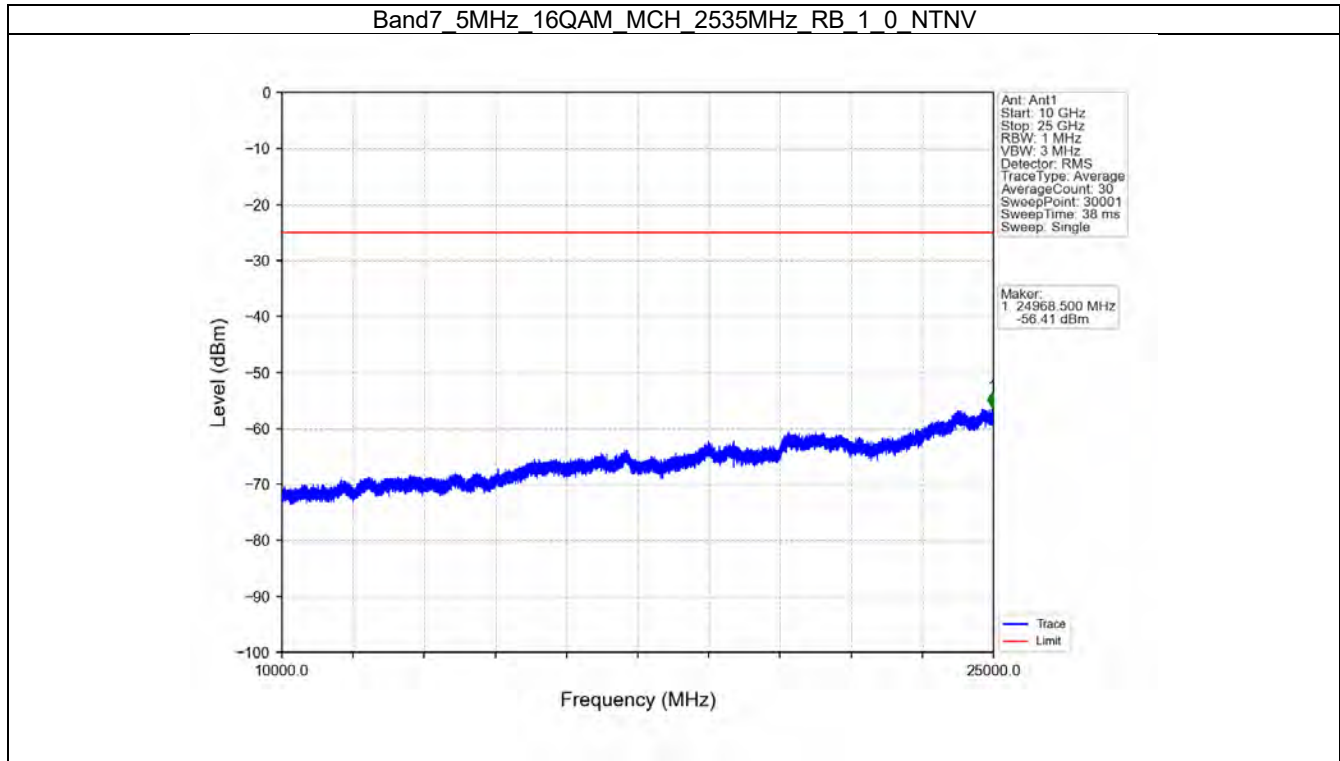


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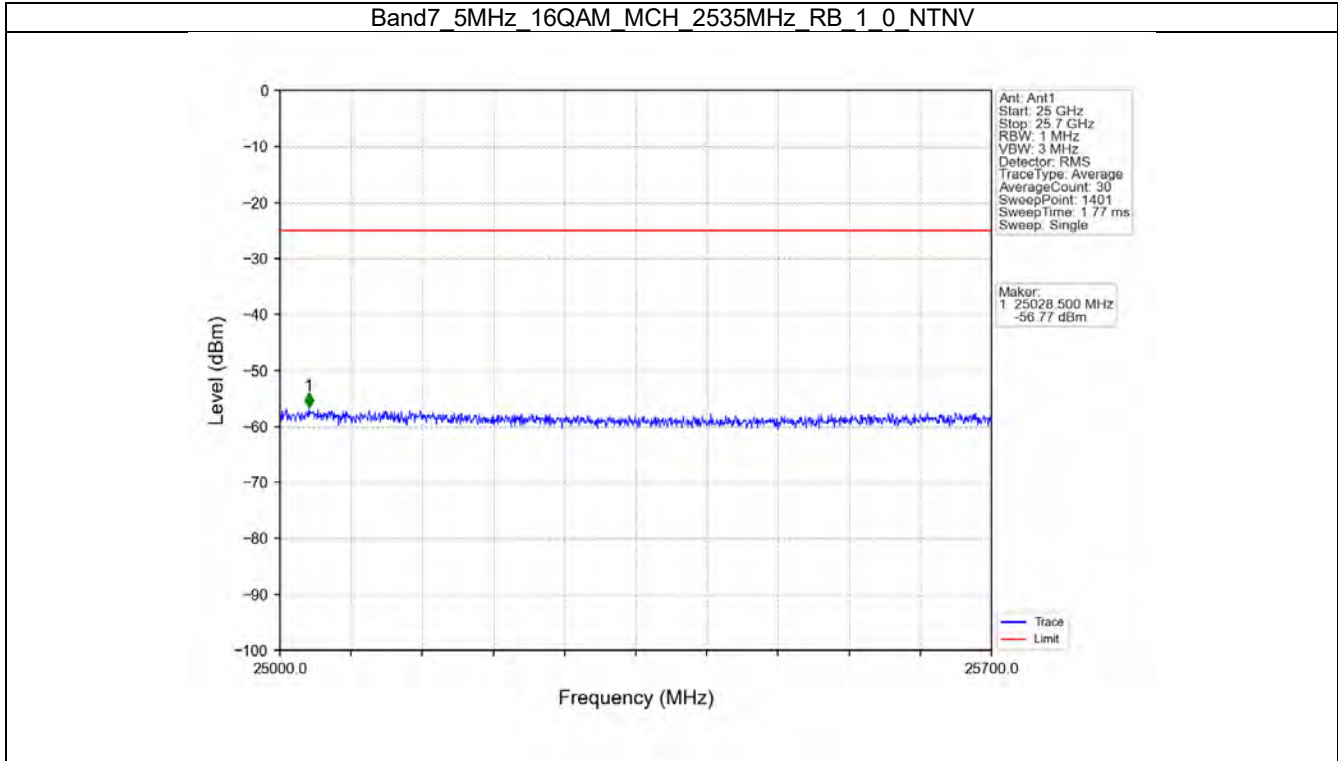


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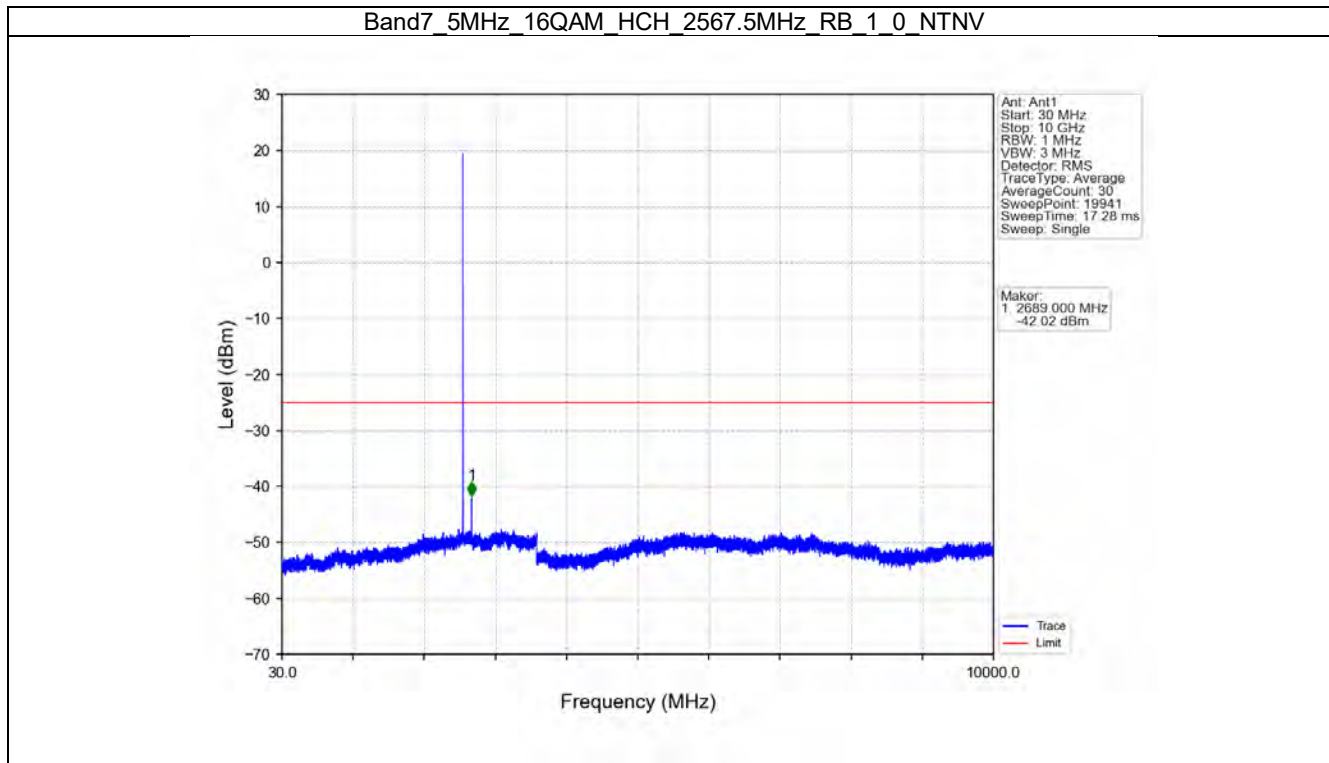
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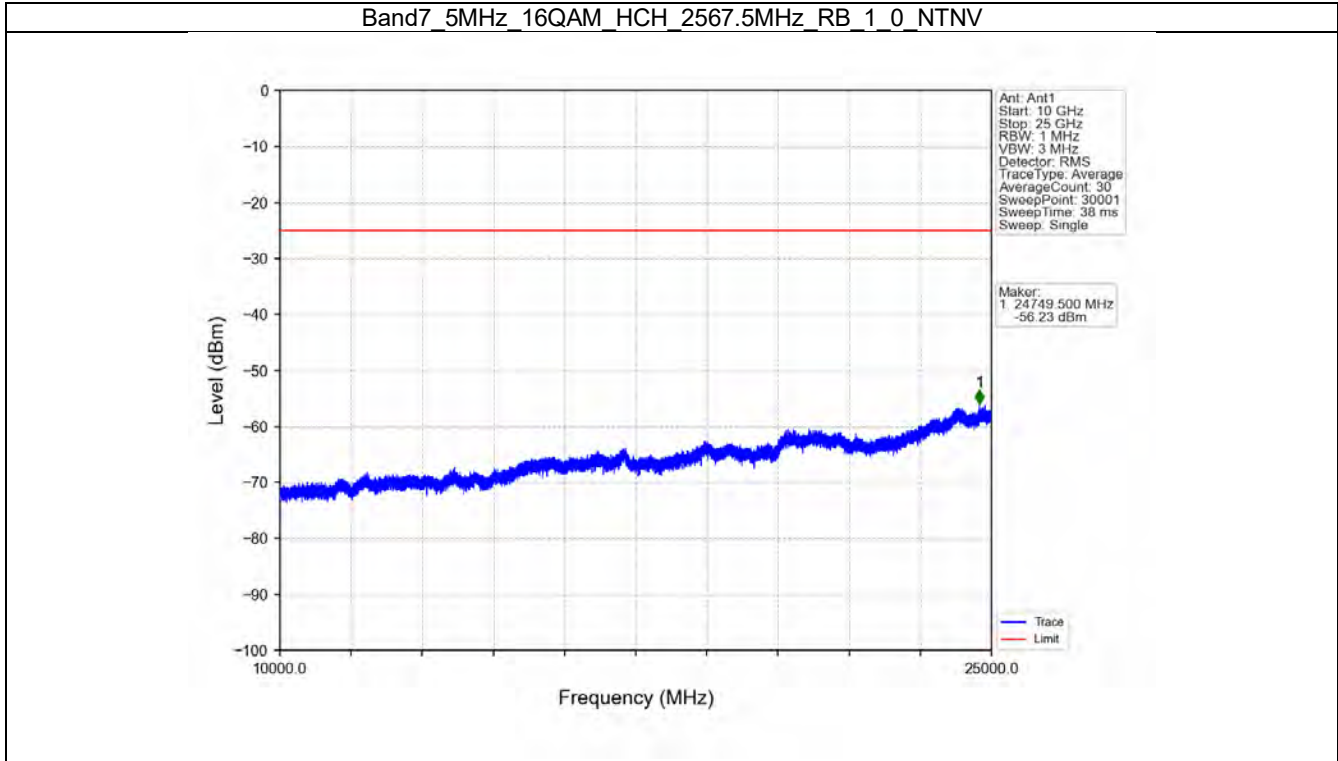


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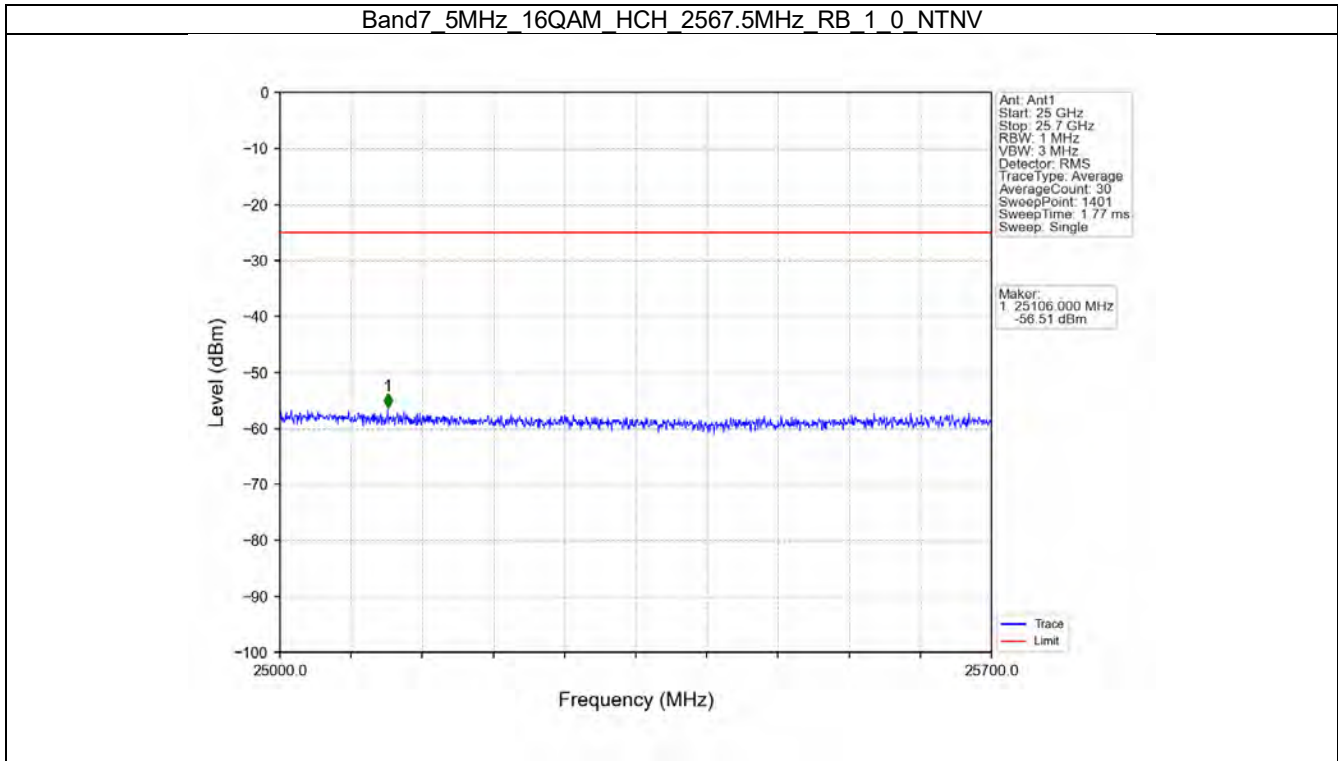


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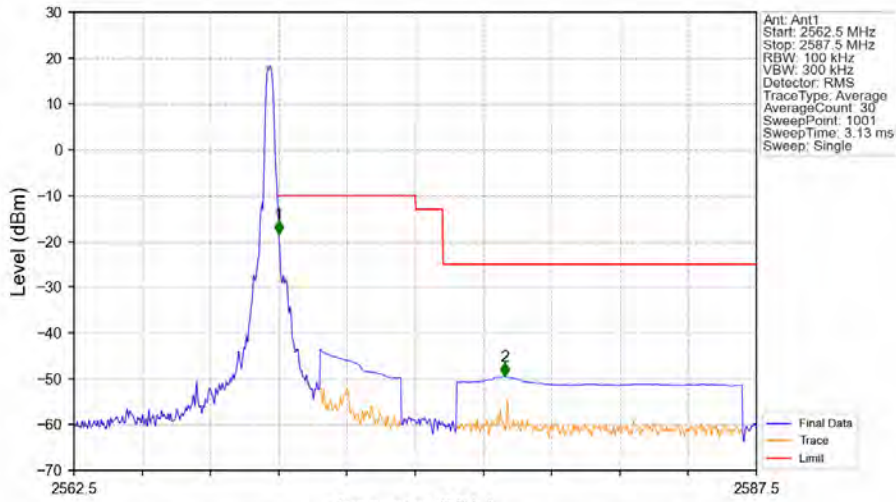
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Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_24_NTNV



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	-18.53	-10	Pass
2571	2587.5	1	CHP	2	2578.275	-49.60	-25	Pass



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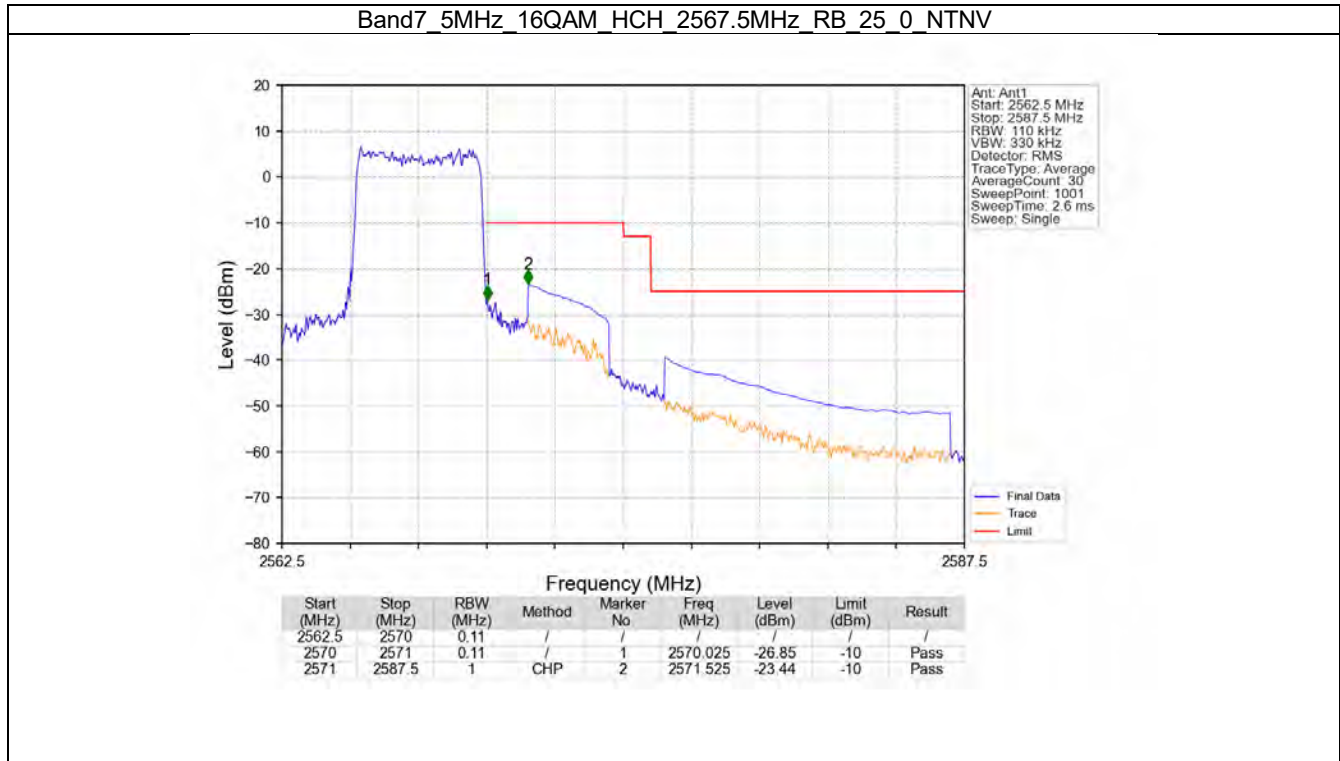


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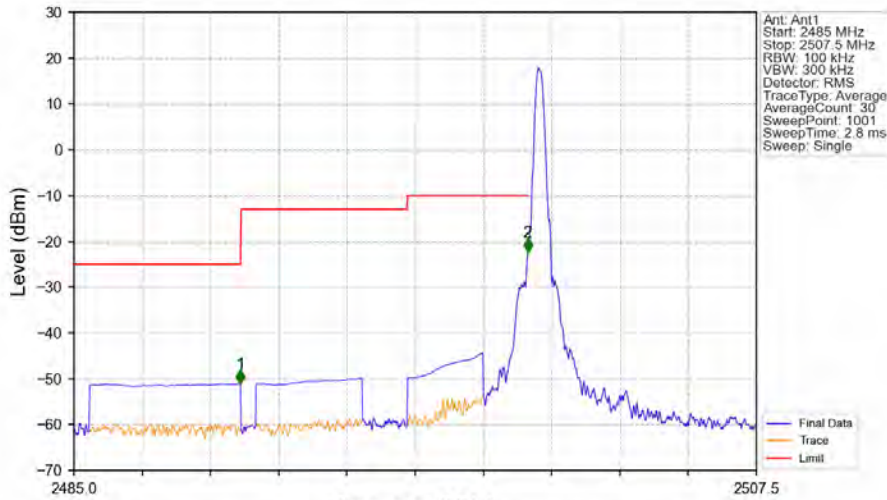
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Band7_5MHz_64QAM_LCH_2502.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2490.490	-51.09	-25	Pass
2499	2500	0.1	/	2	2499.963	-22.40	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/



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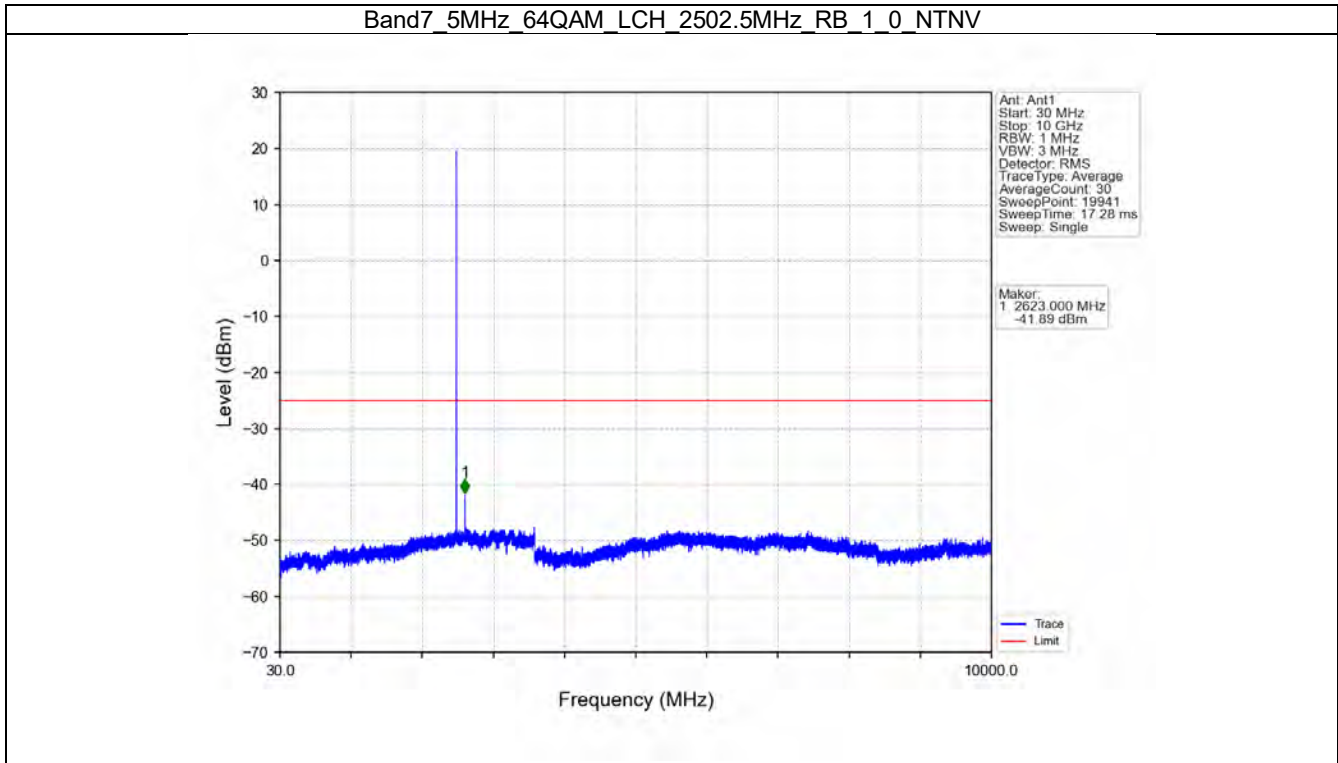


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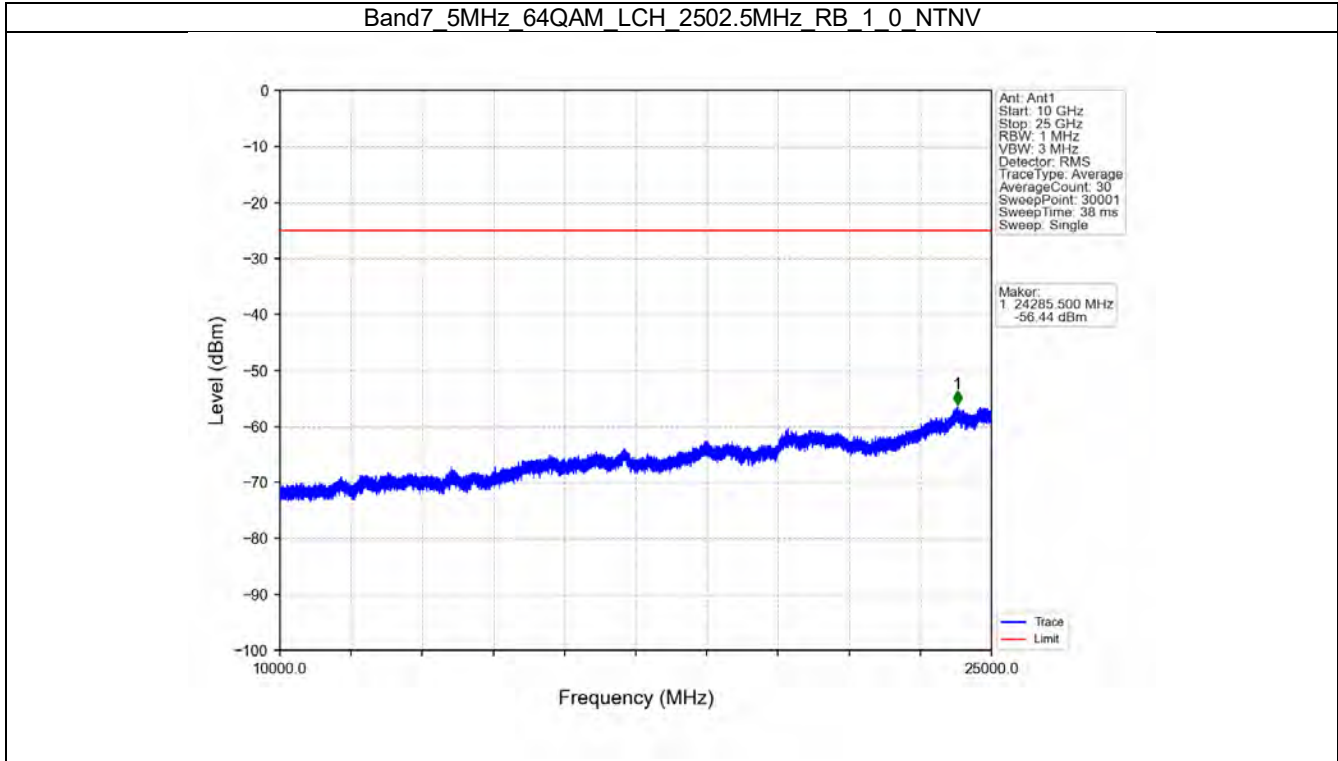


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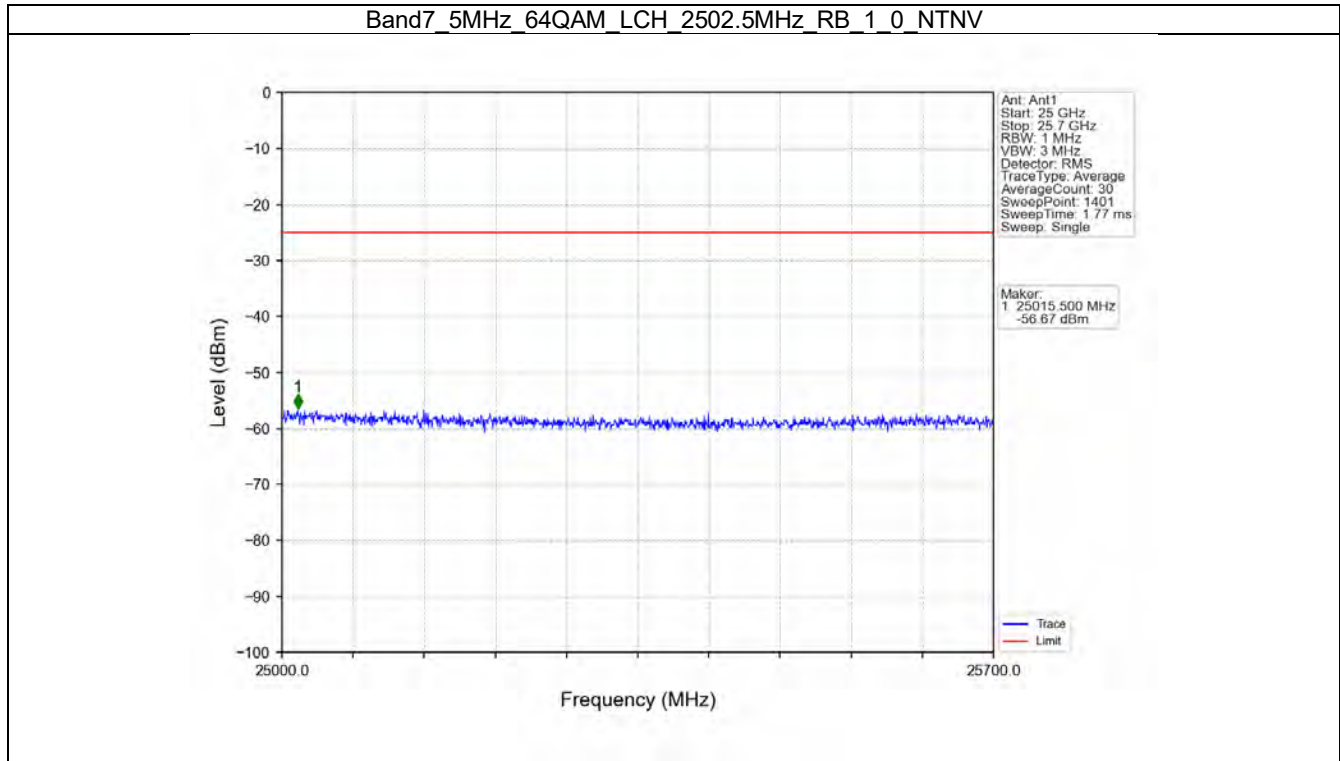


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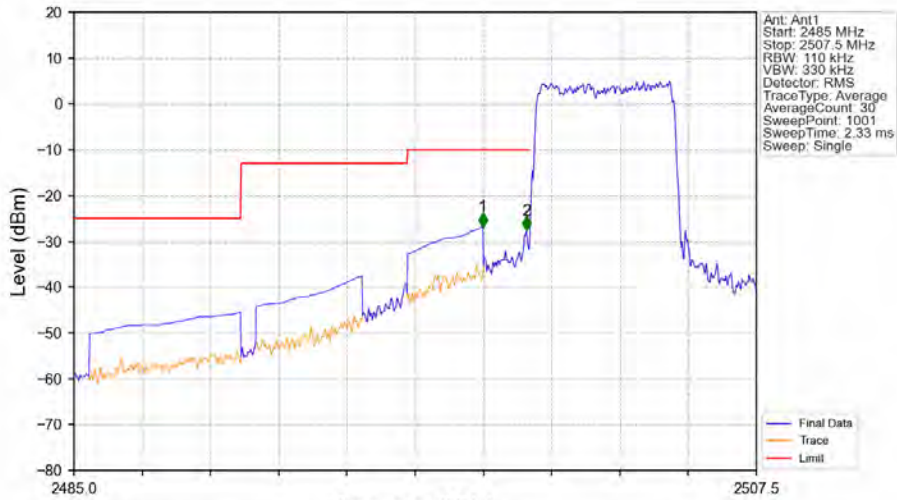
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Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-26.83	-10	Pass
2499	2500	0.11	/	2	2499.918	-27.69	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/



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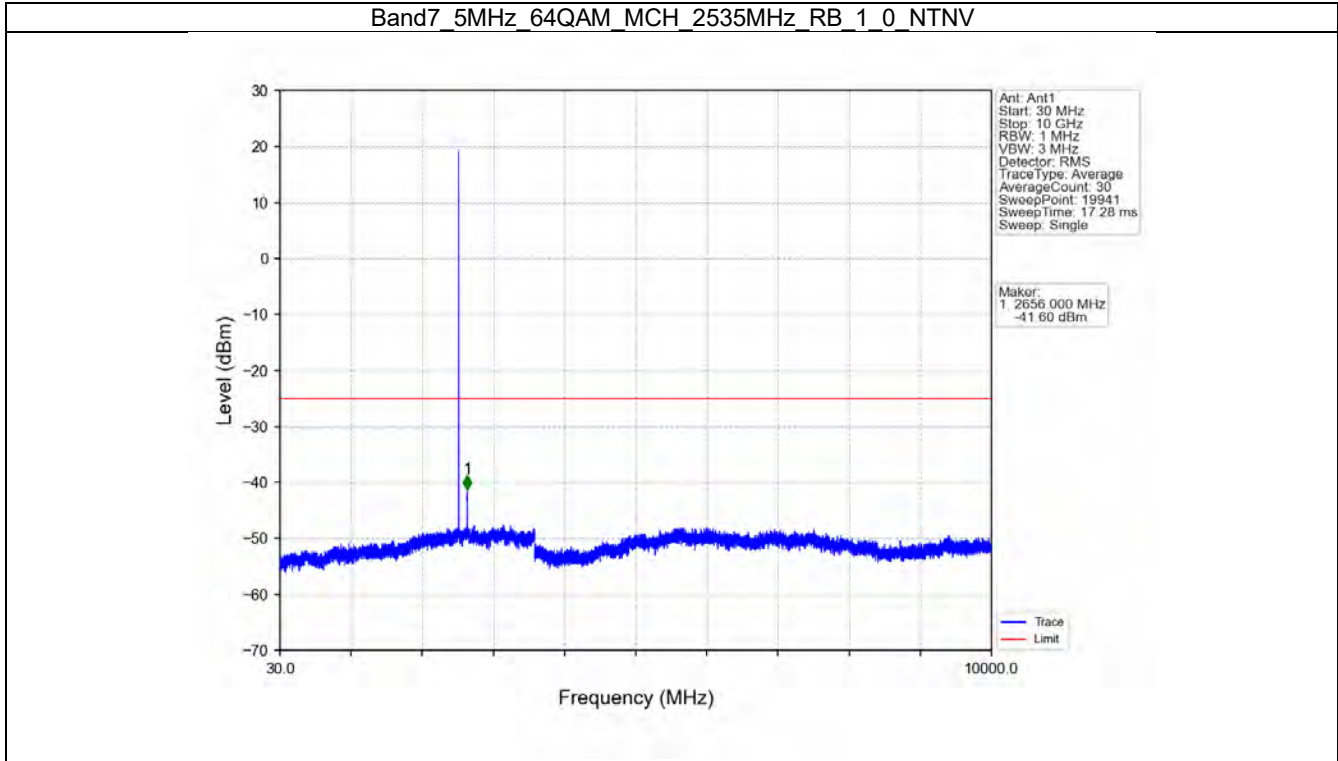


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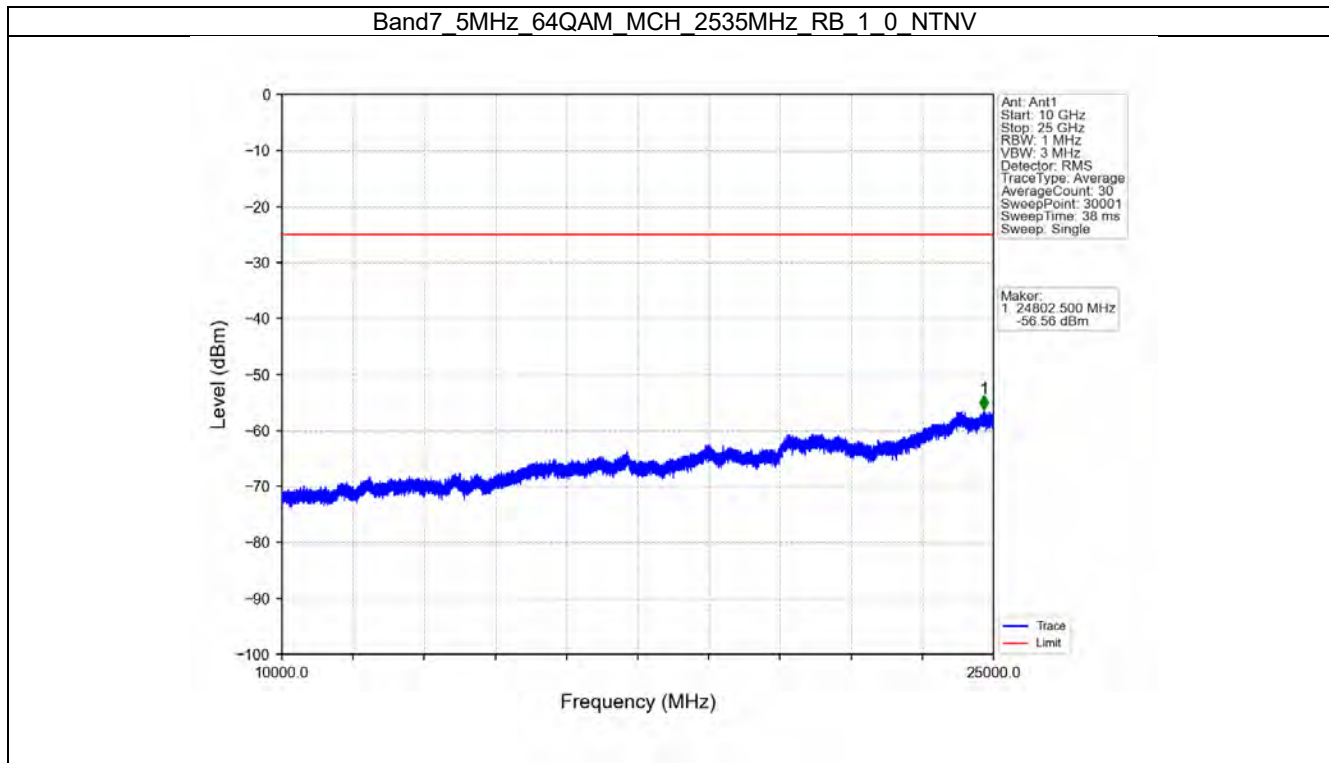
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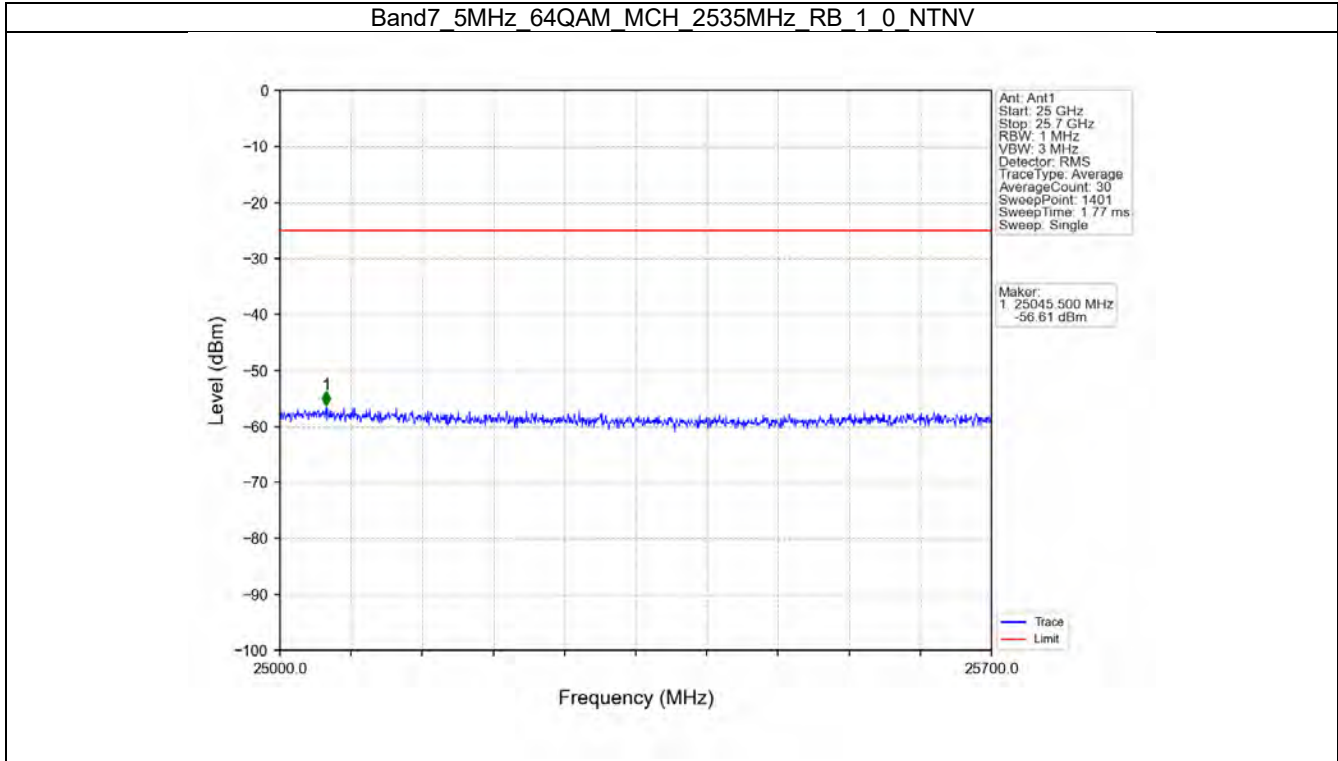


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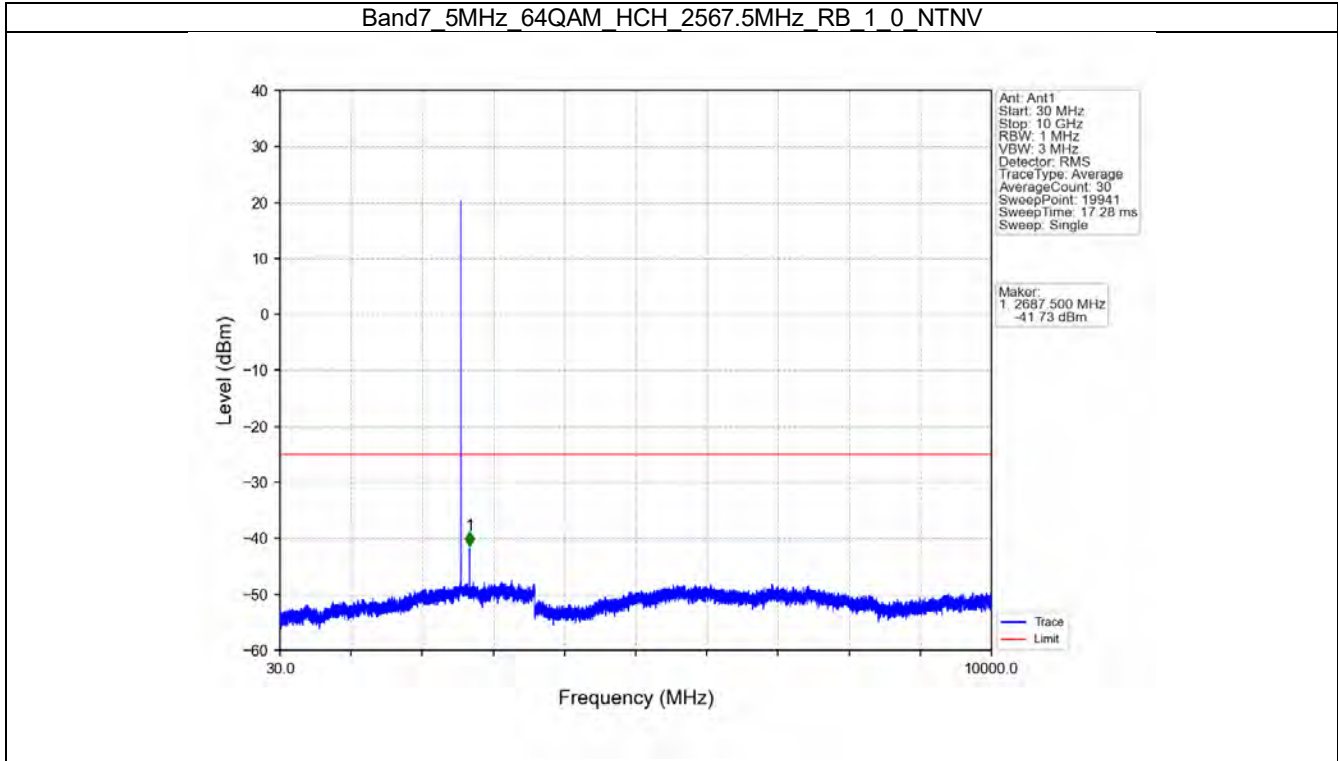


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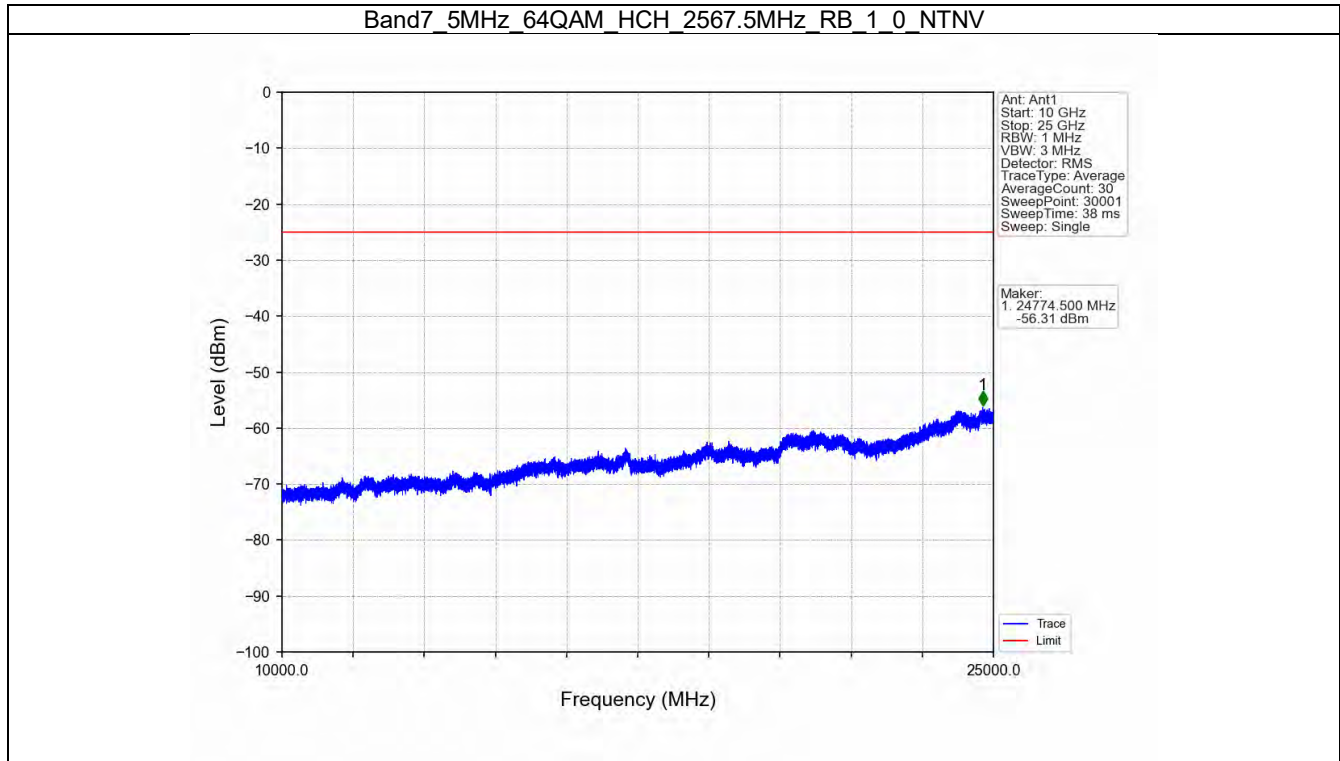


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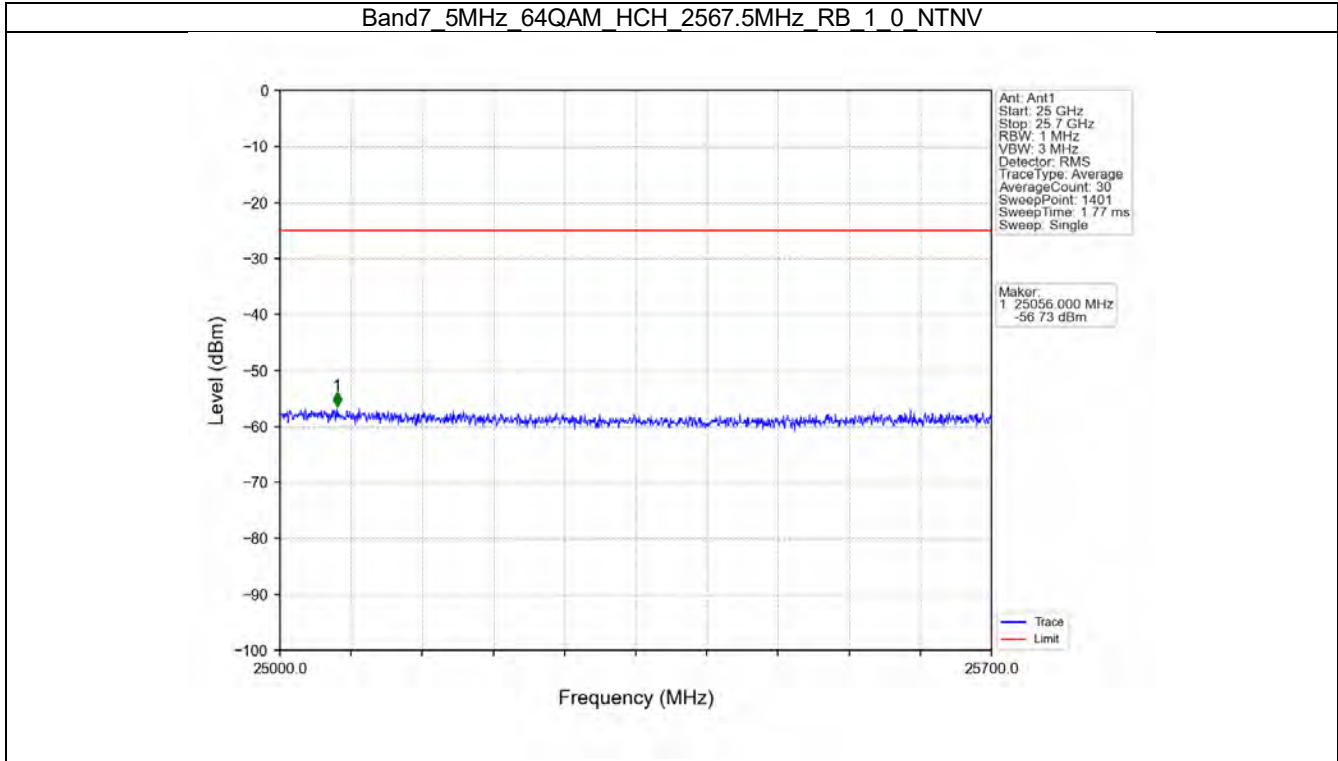


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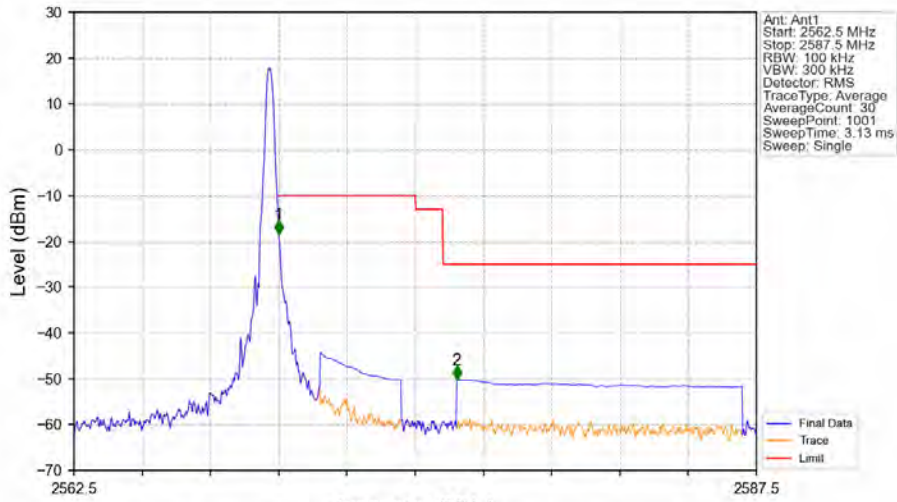
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Band7_5MHz_64QAM_HCH_2567.5MHz_RB_1_24_NTNV



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	-18.58	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-50.27	-25	Pass



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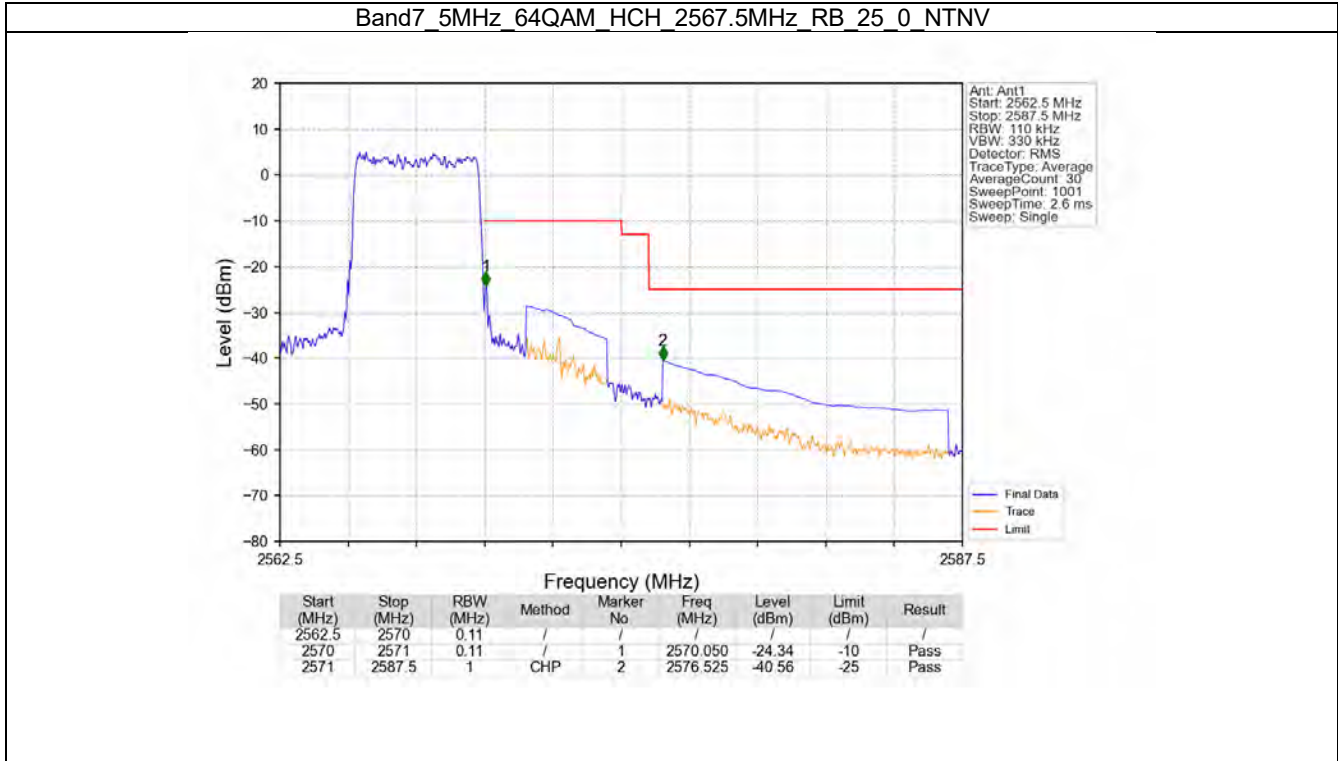


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5.2 B7_10MHz

5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTN						
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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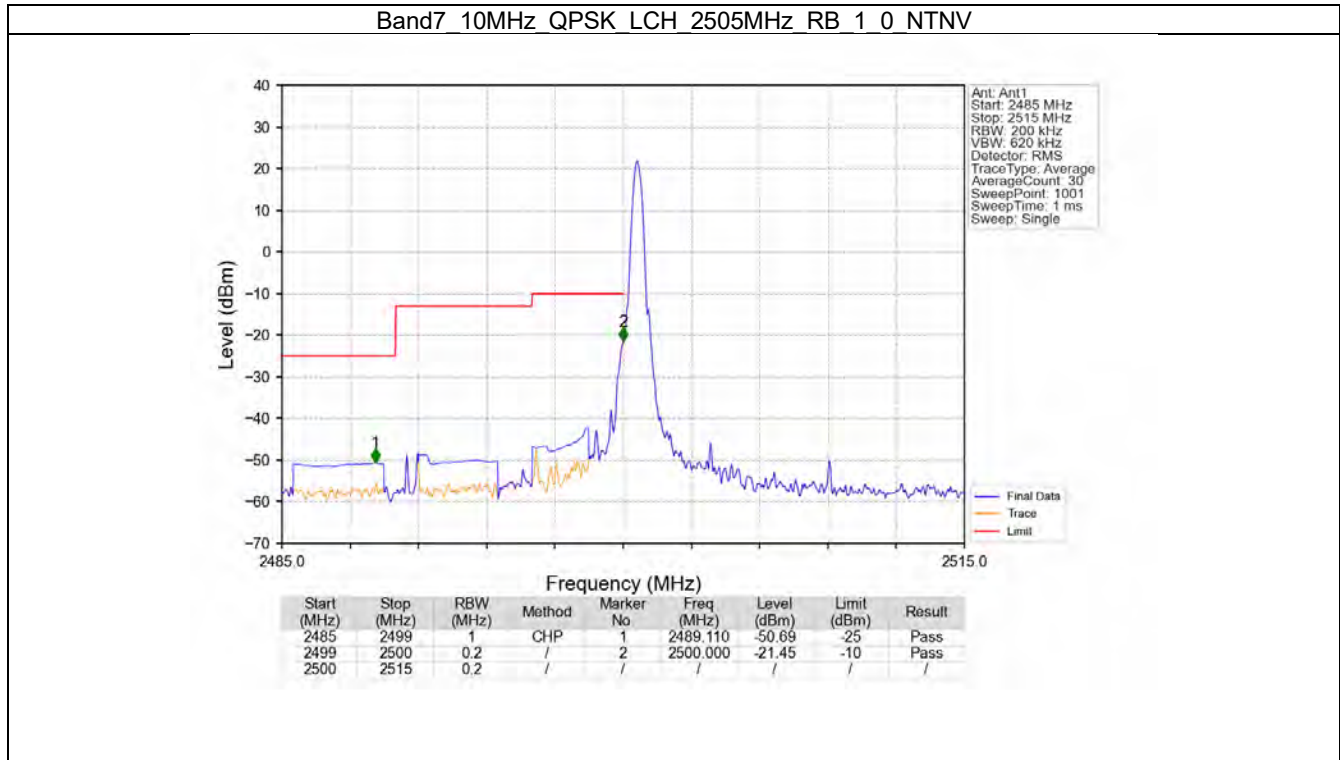
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5.2.2 Test Graph



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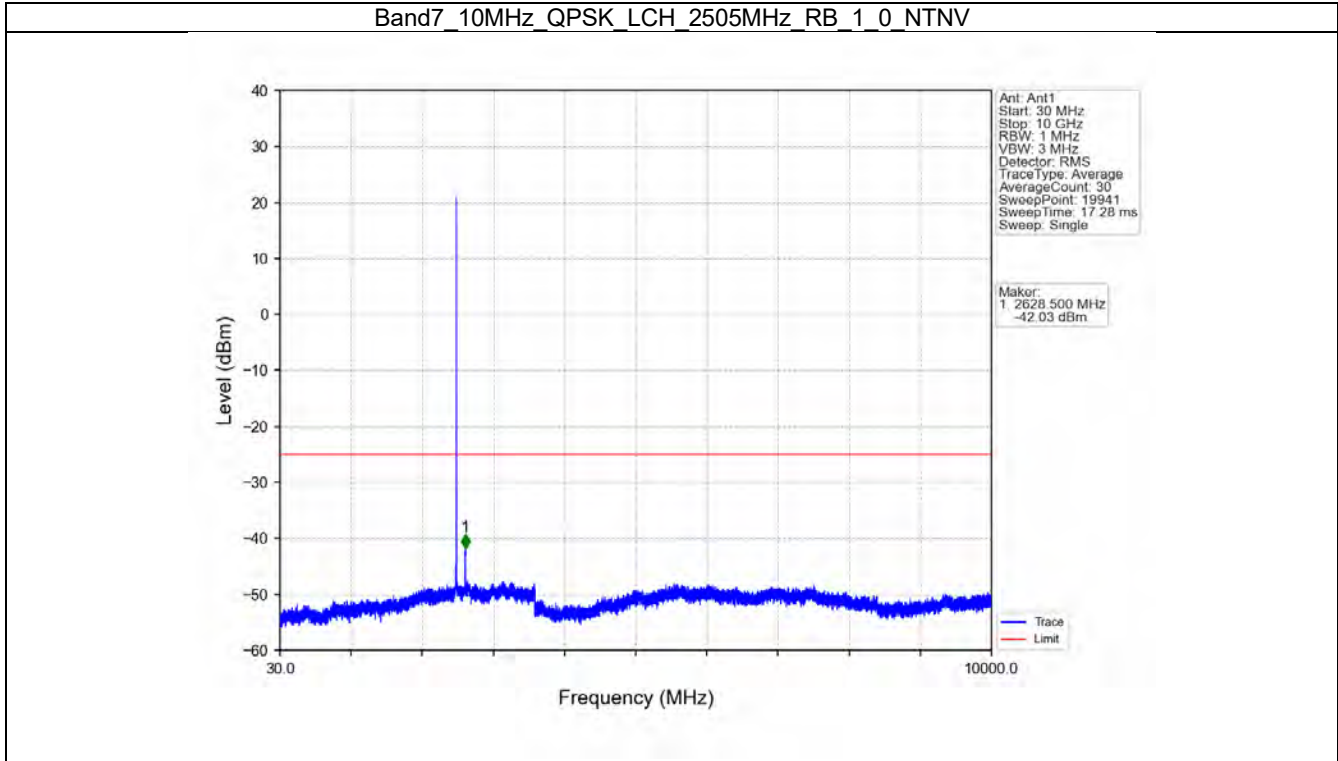


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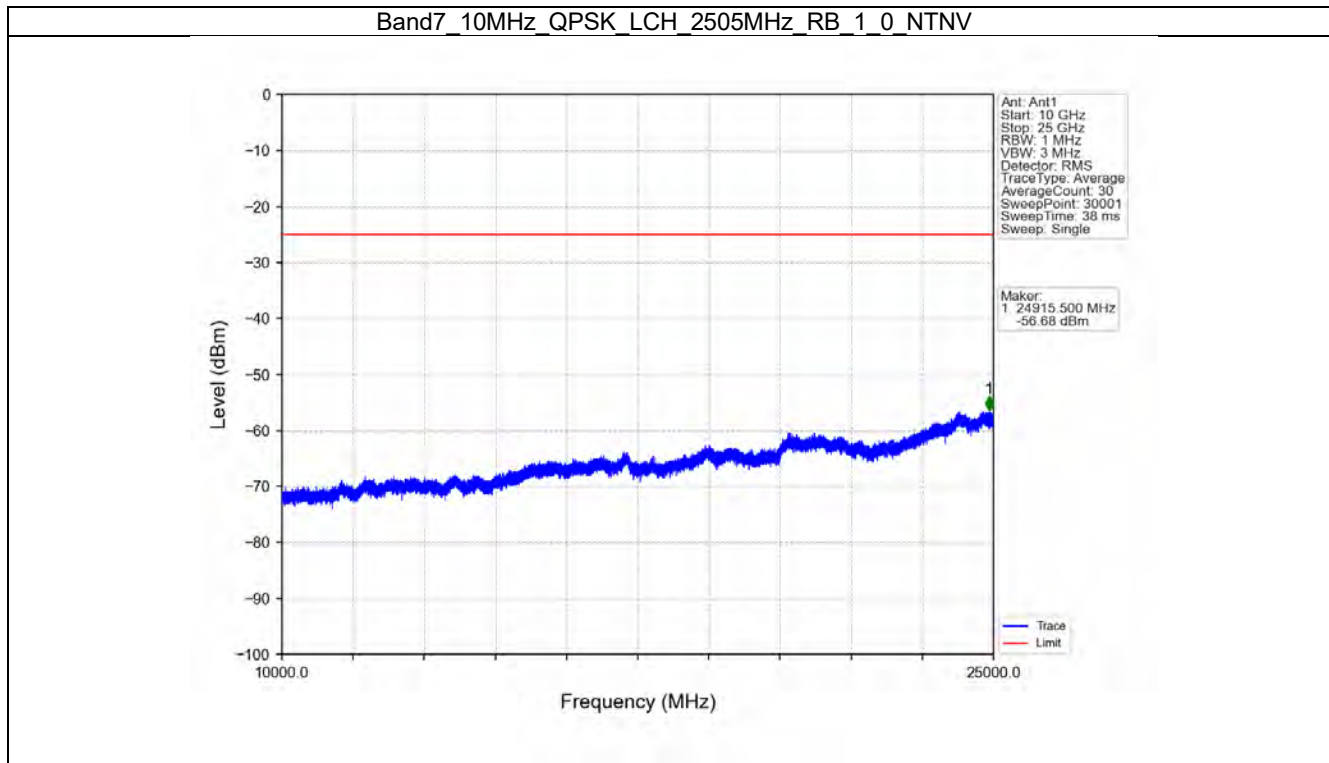
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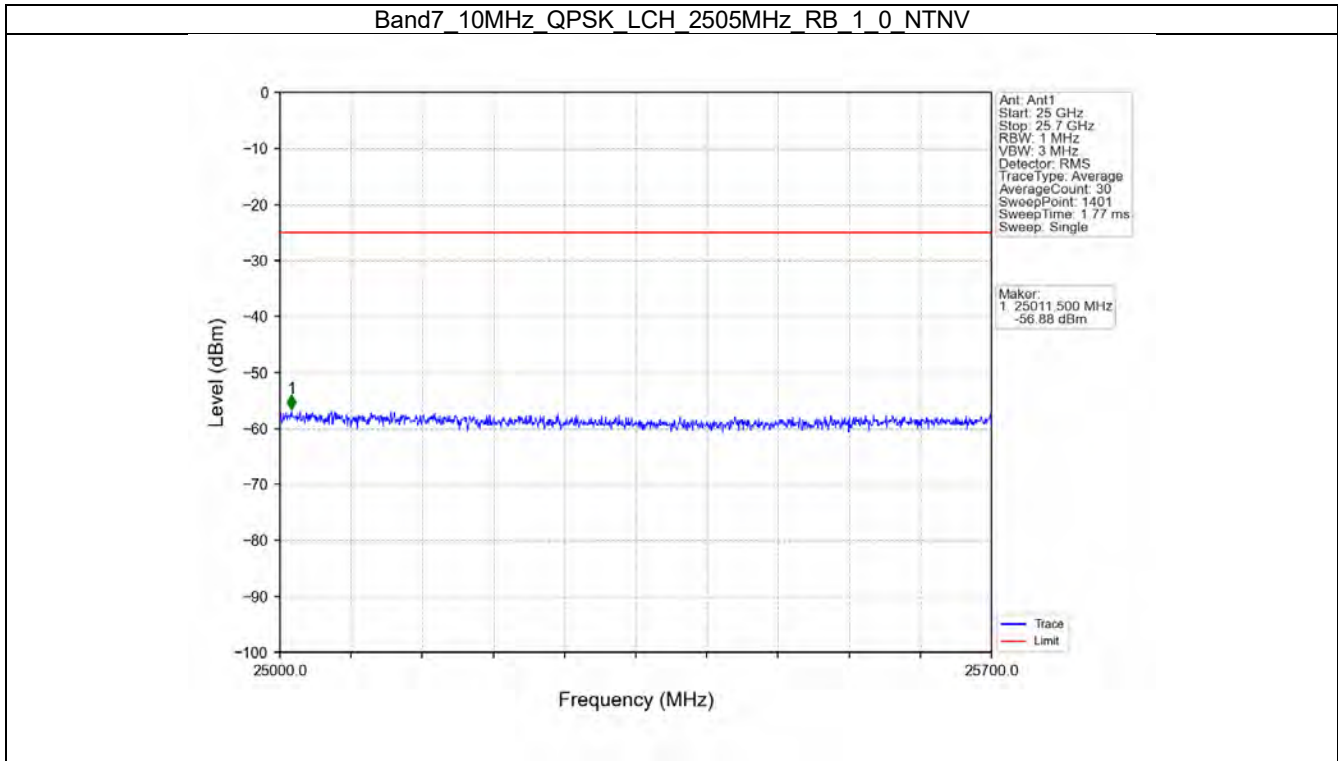


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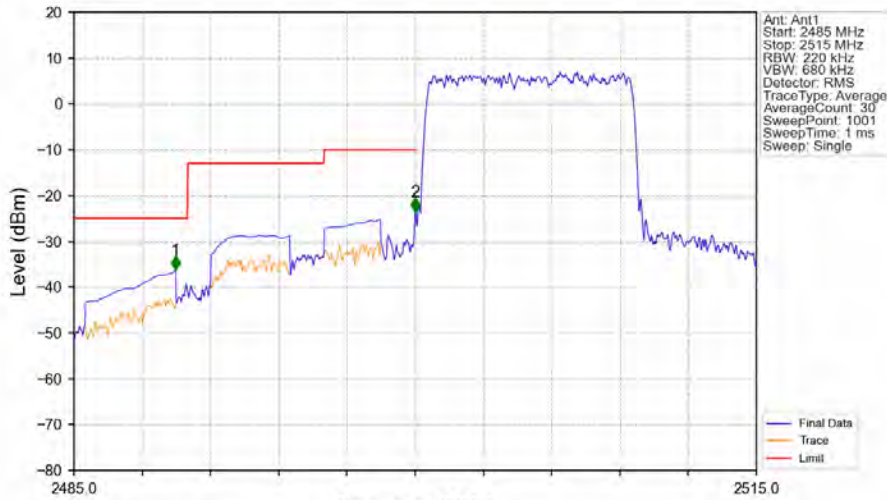
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Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.470	-36.27	-25	Pass
2499	2500	0.22	/	2	2500.000	-23.58	-10	Pass
2500	2515	0.22	/	/	/	/	/	/



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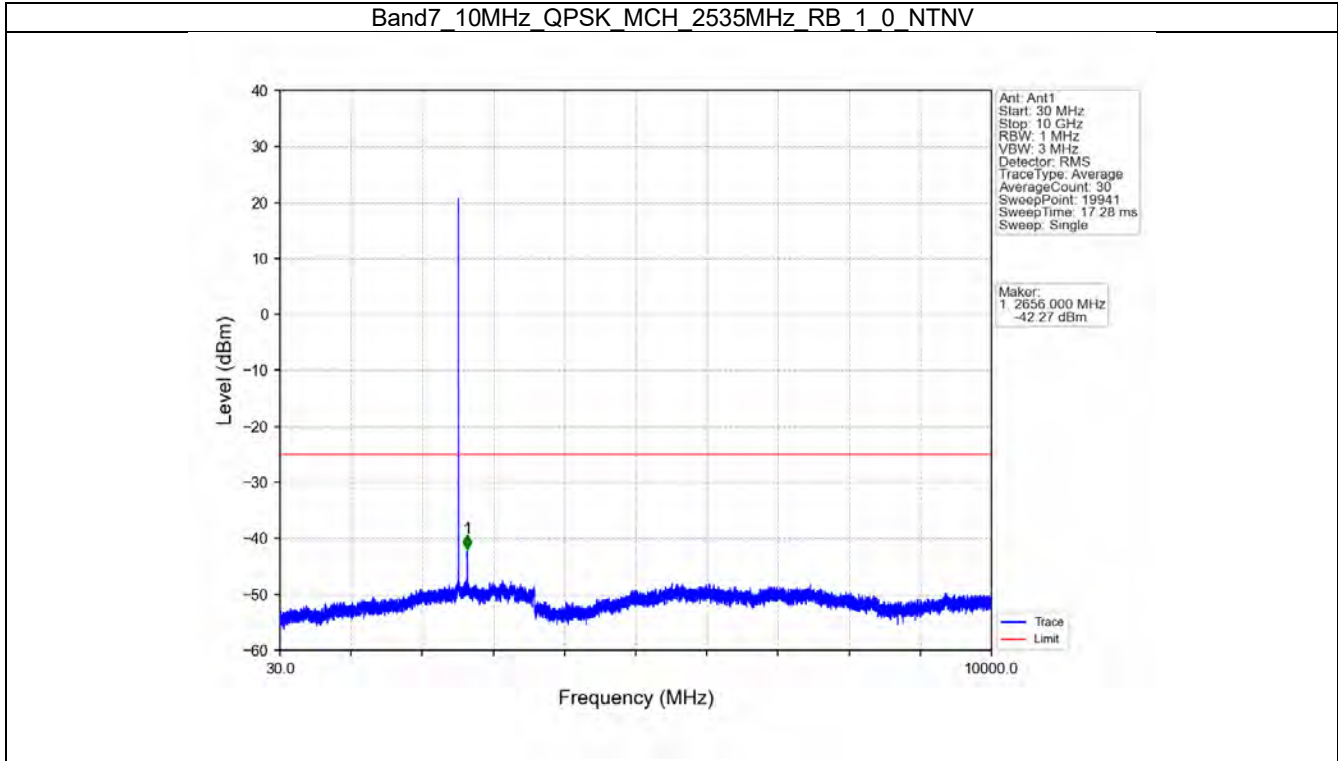


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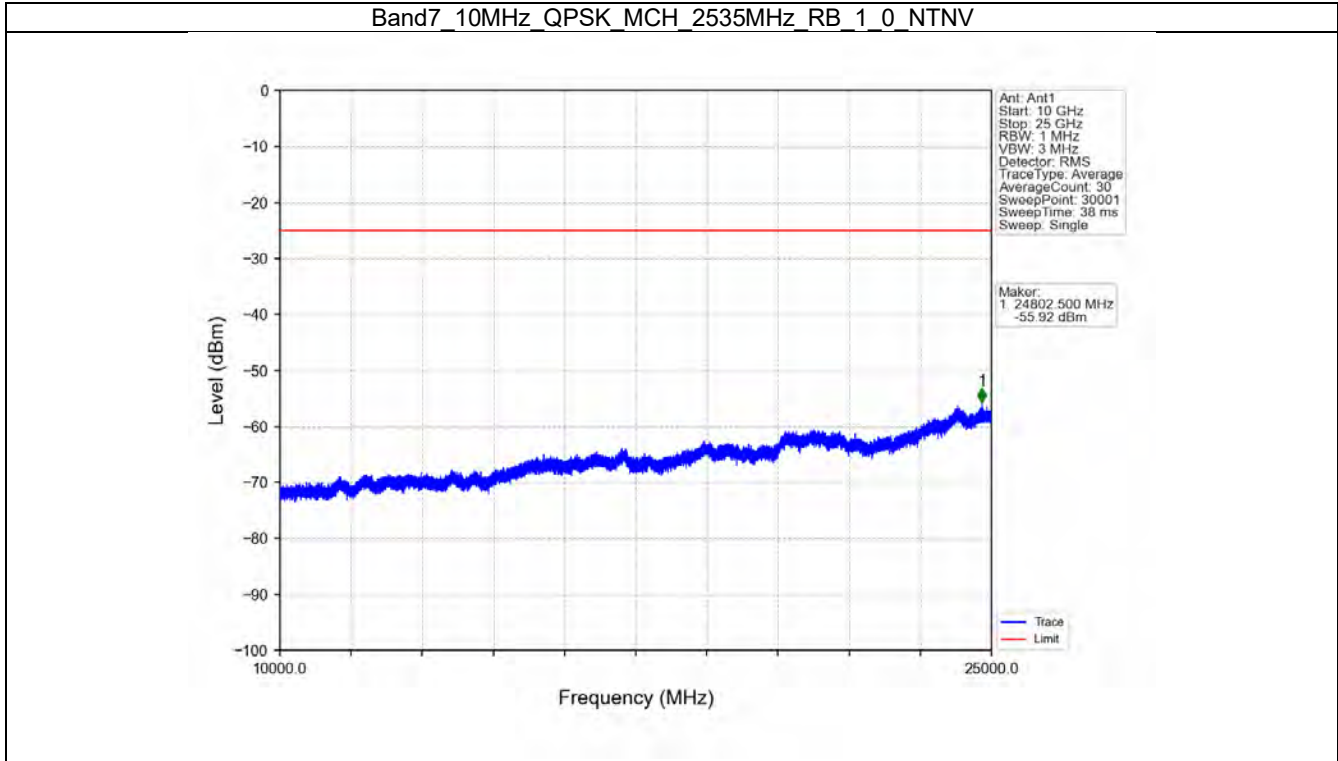


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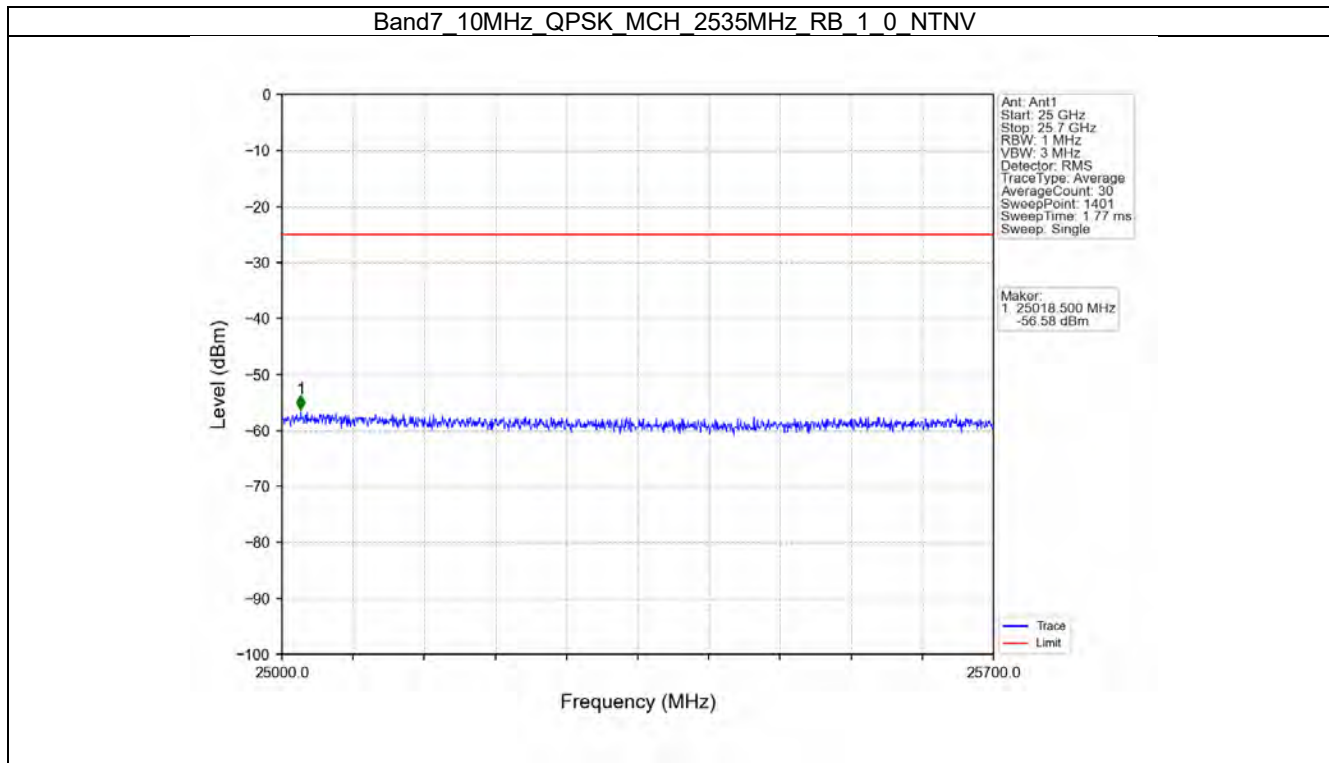
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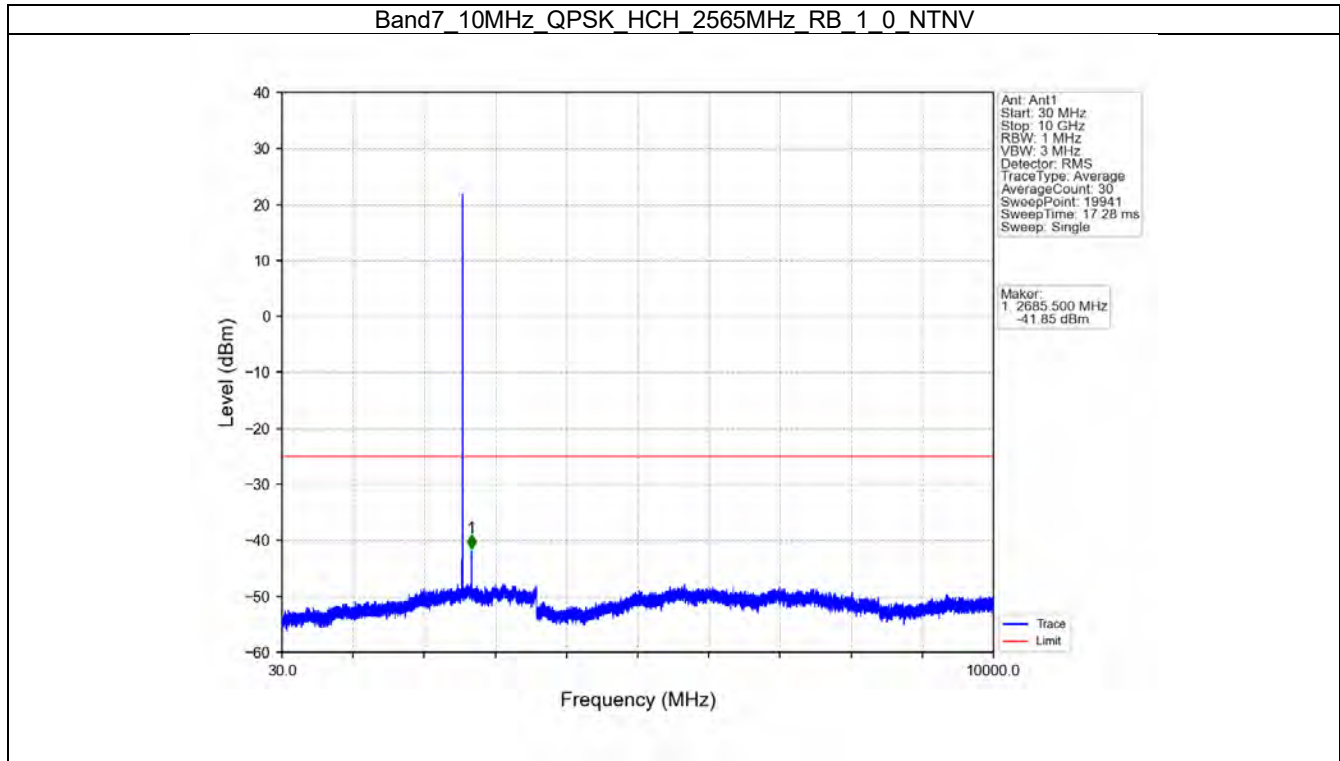


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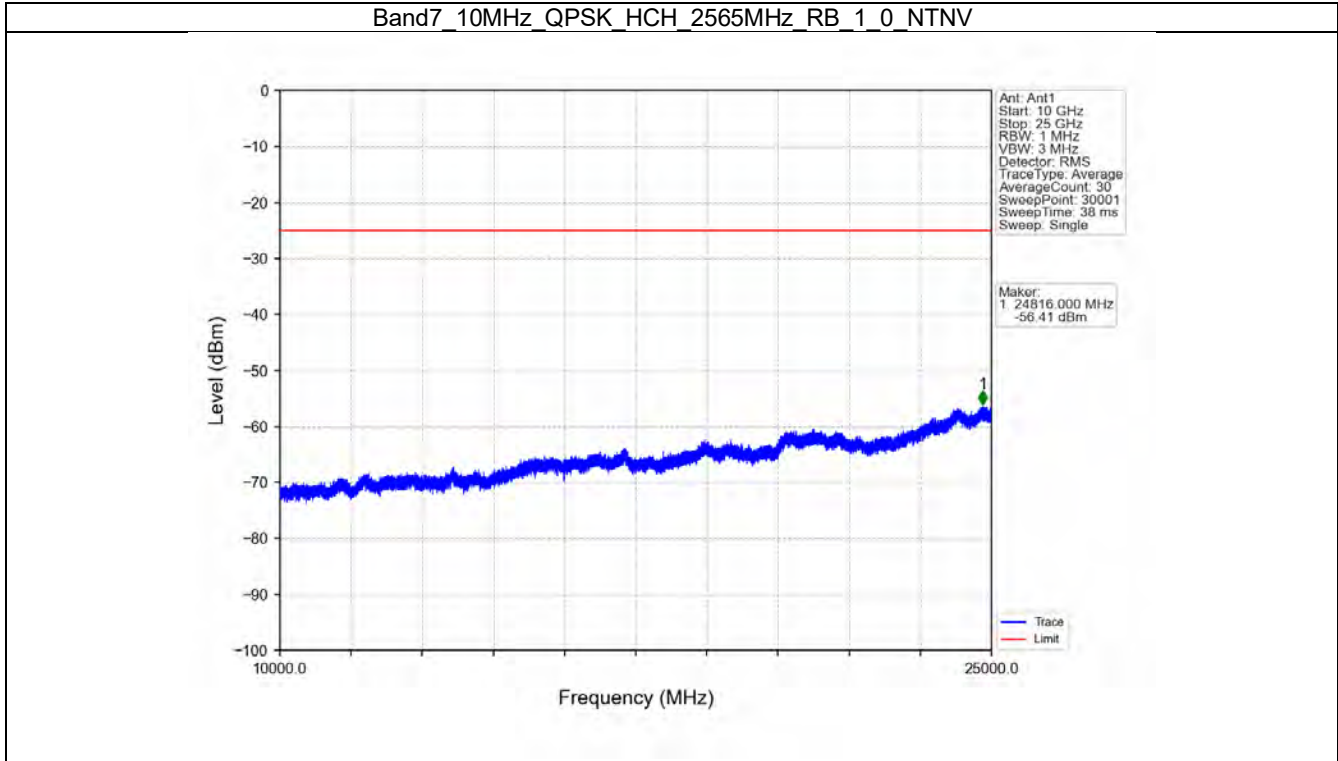


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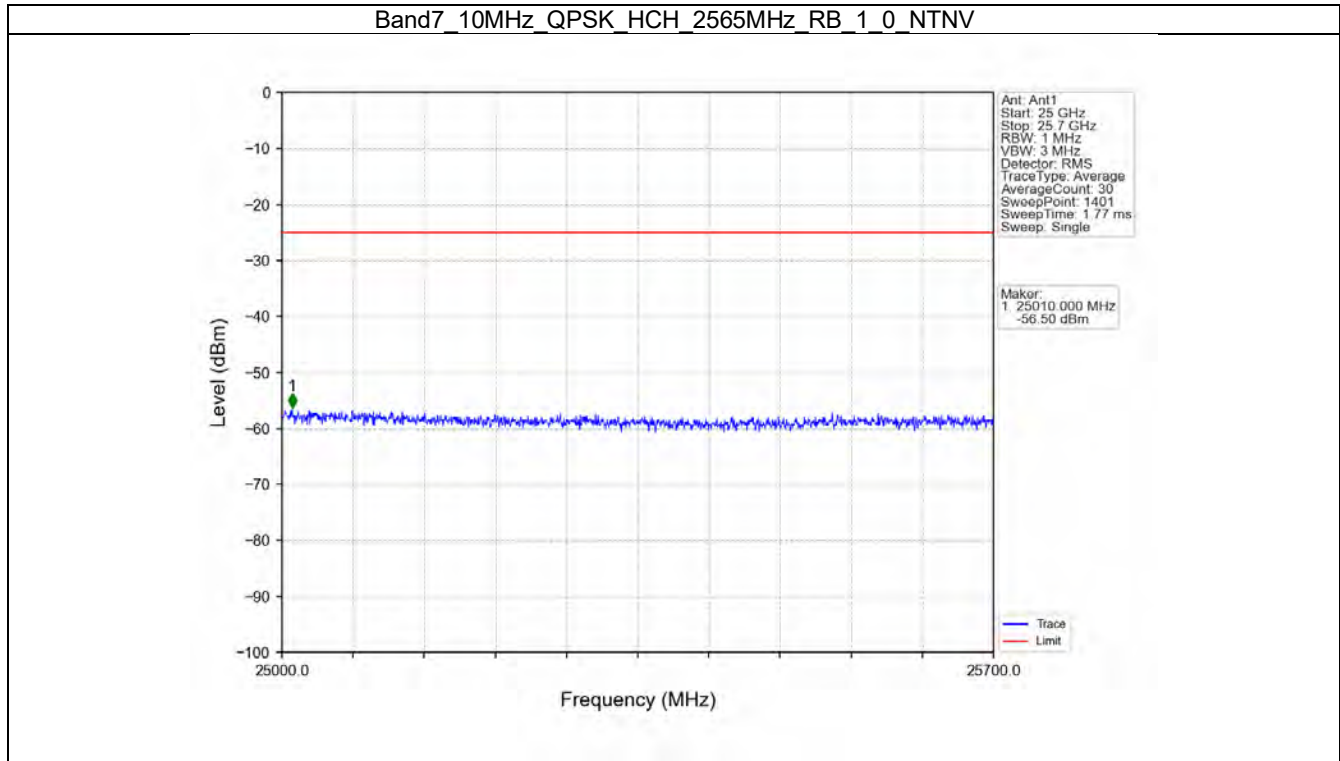


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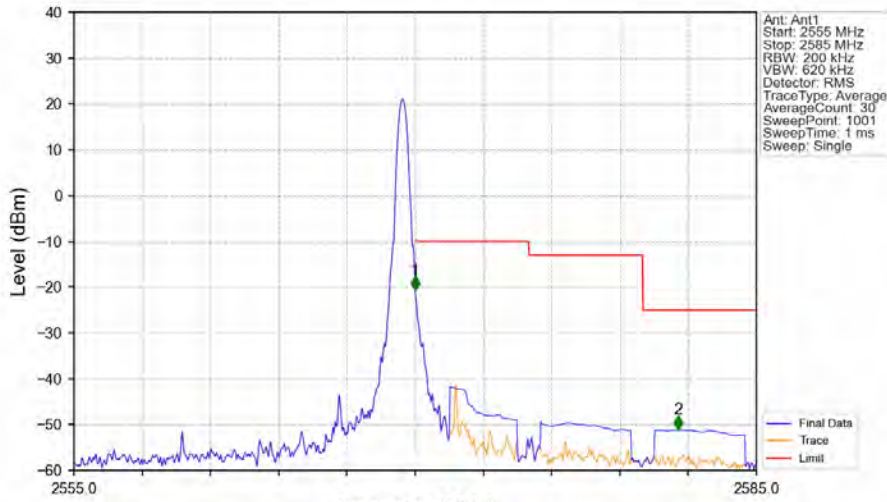
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Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.000	-20.65	-10	Pass
2571	2585	1	CHP	2	2581.550	-51.10	-25	Pass



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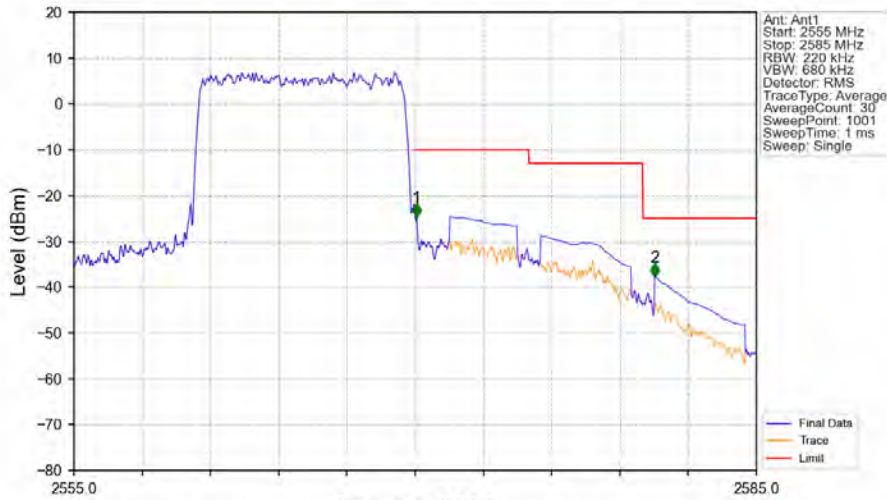
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Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.22	/	/	/	/	/	/
2570	2571	0.22	/	1	2570.060	-24.80	-10	Pass
2571	2585	1	CHP	2	2580.530	-37.83	-25	Pass



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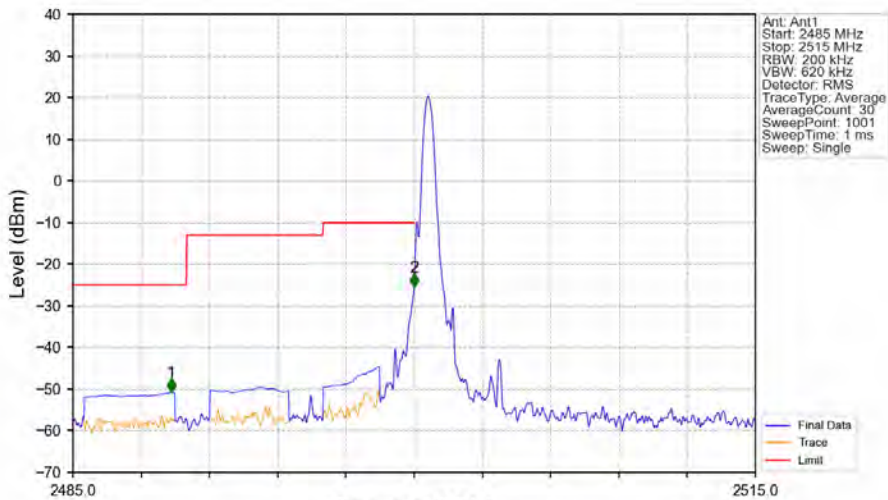
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Band7_10MHz_16QAM_LCH_2505MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.320	-50.83	-25	Pass
2499	2500	0.2	/	2	2500.000	-25.63	-10	Pass
2500	2515	0.2	/	/	/	/	/	/



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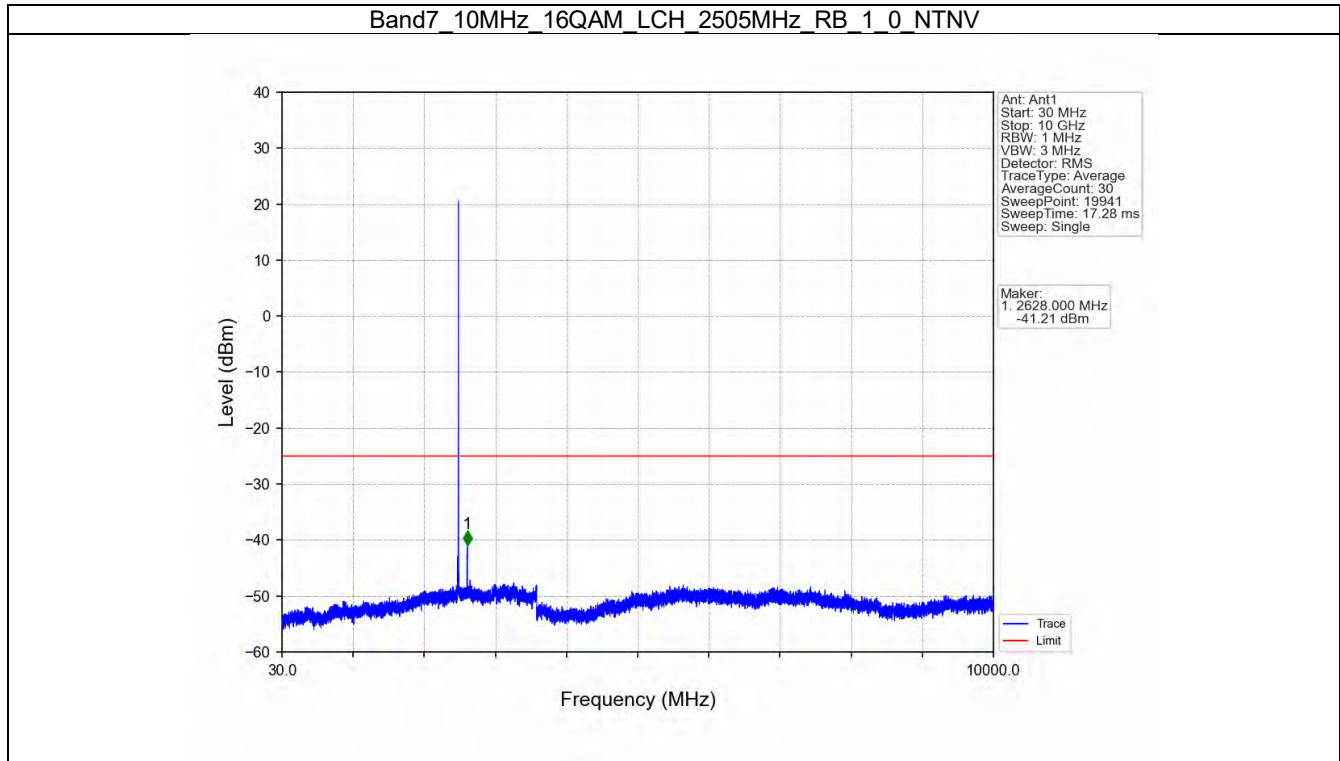


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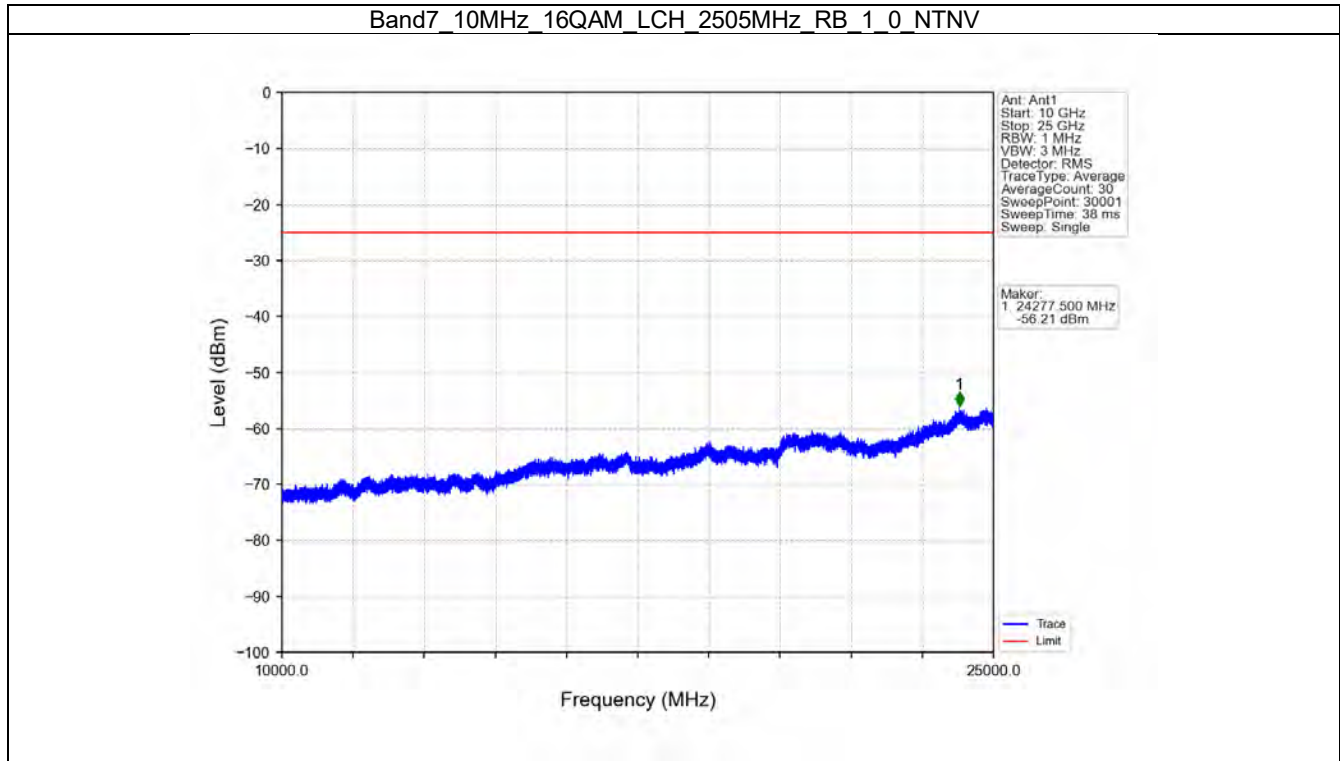


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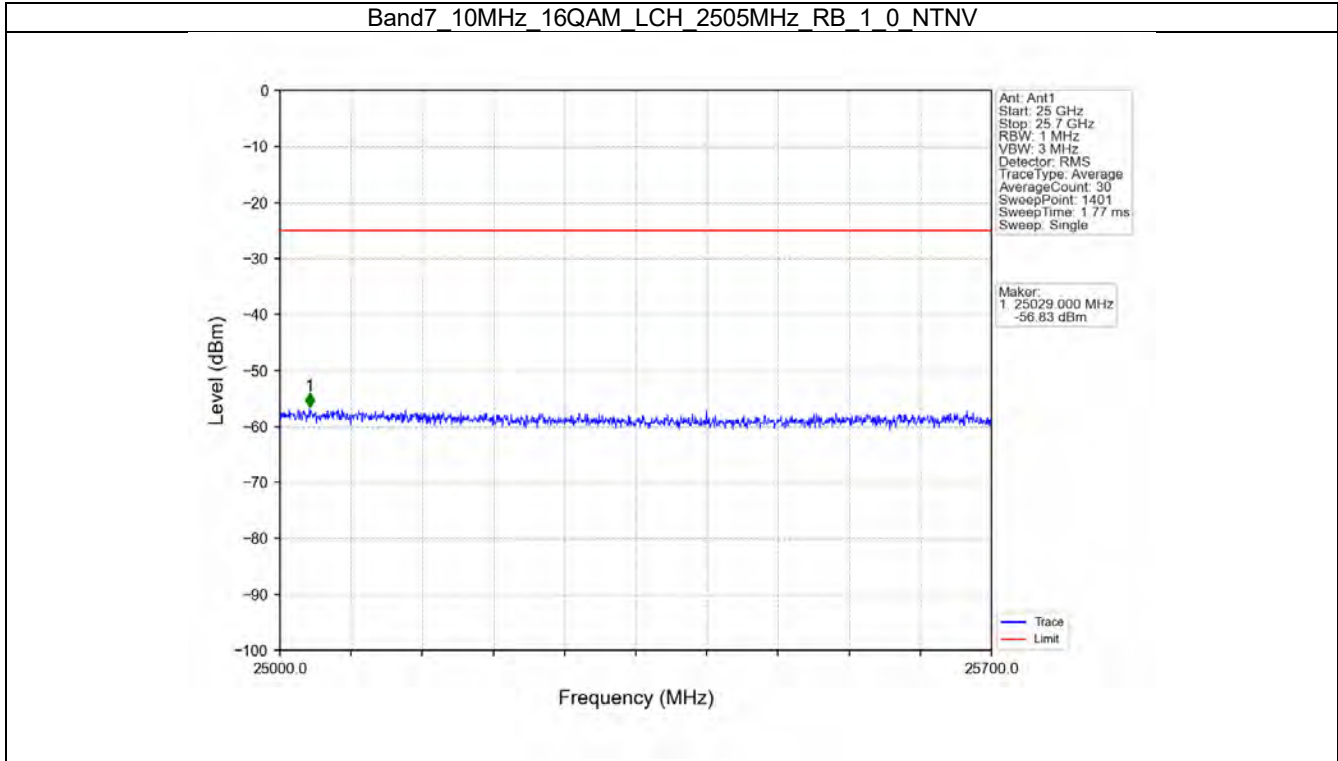


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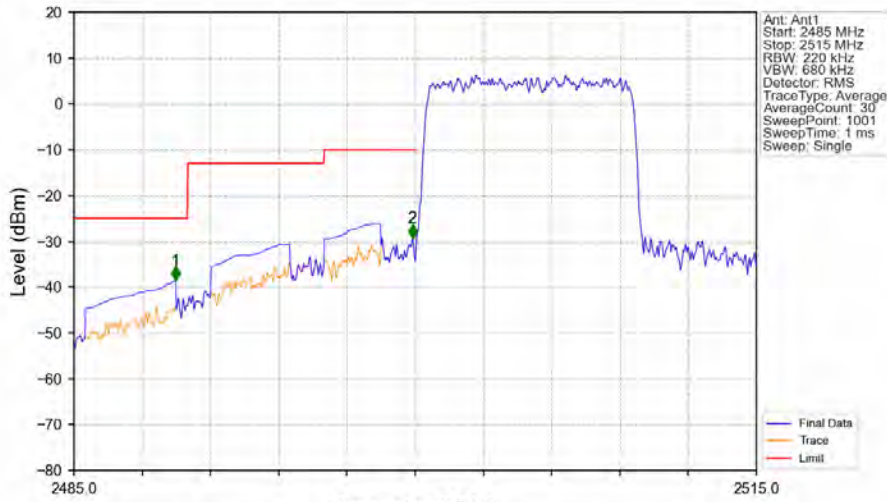
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Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.470	-38.55	-25	Pass
2499	2500	0.22	/	2	2499.880	-29.32	-10	Pass
2500	2515	0.22	/	/	/	/	/	/



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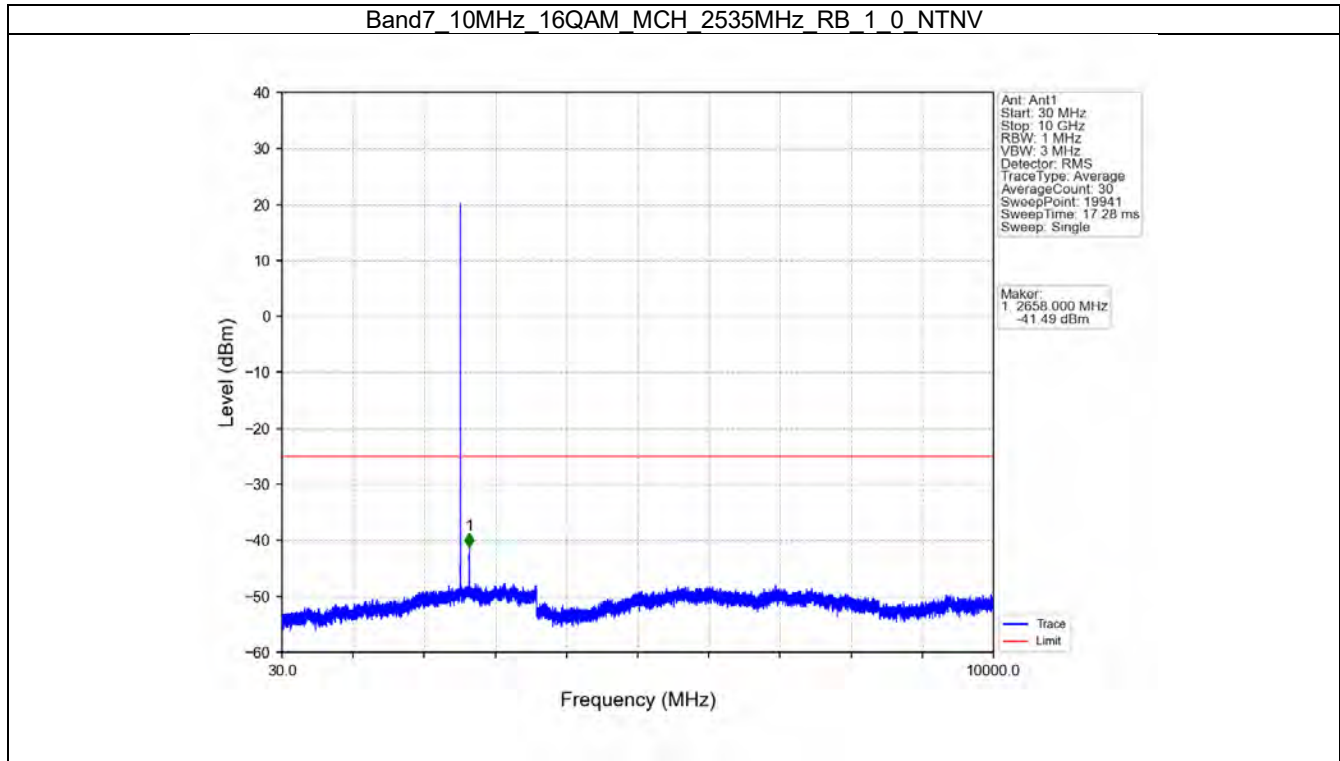


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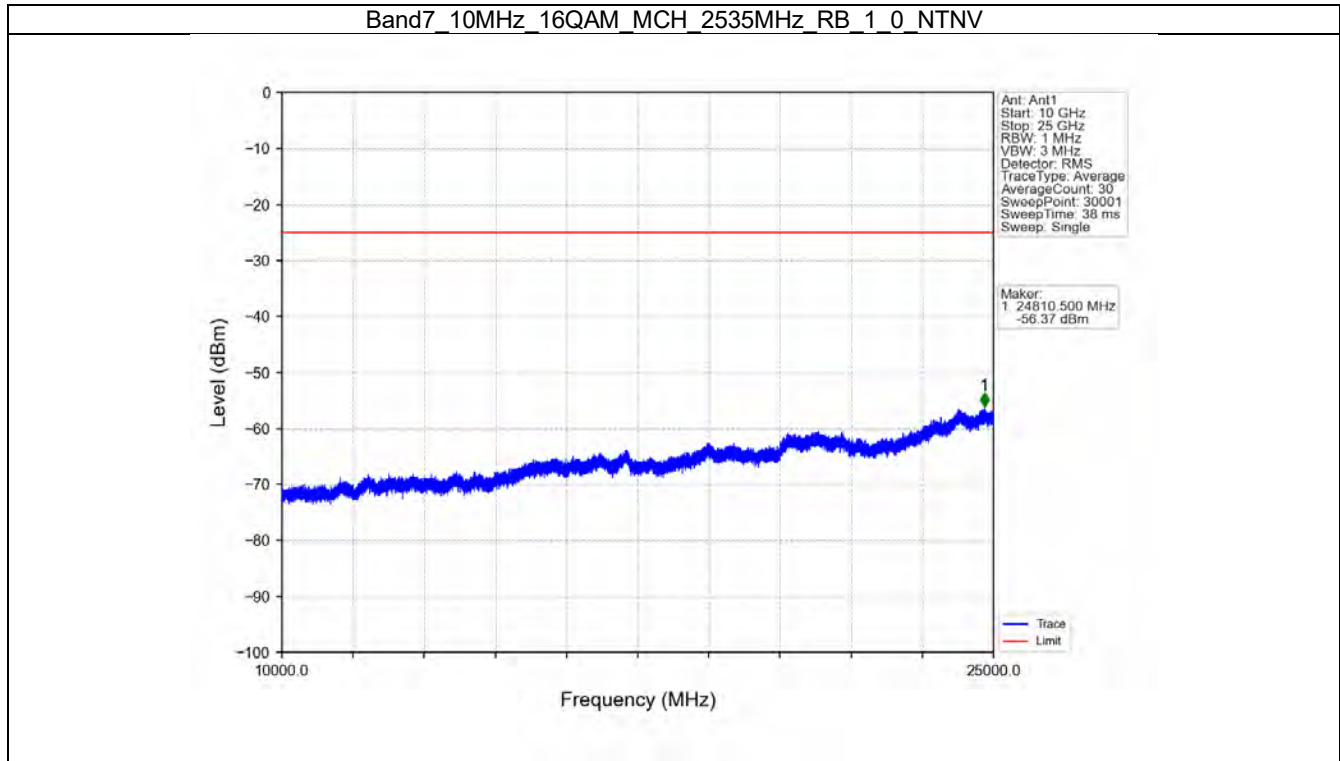


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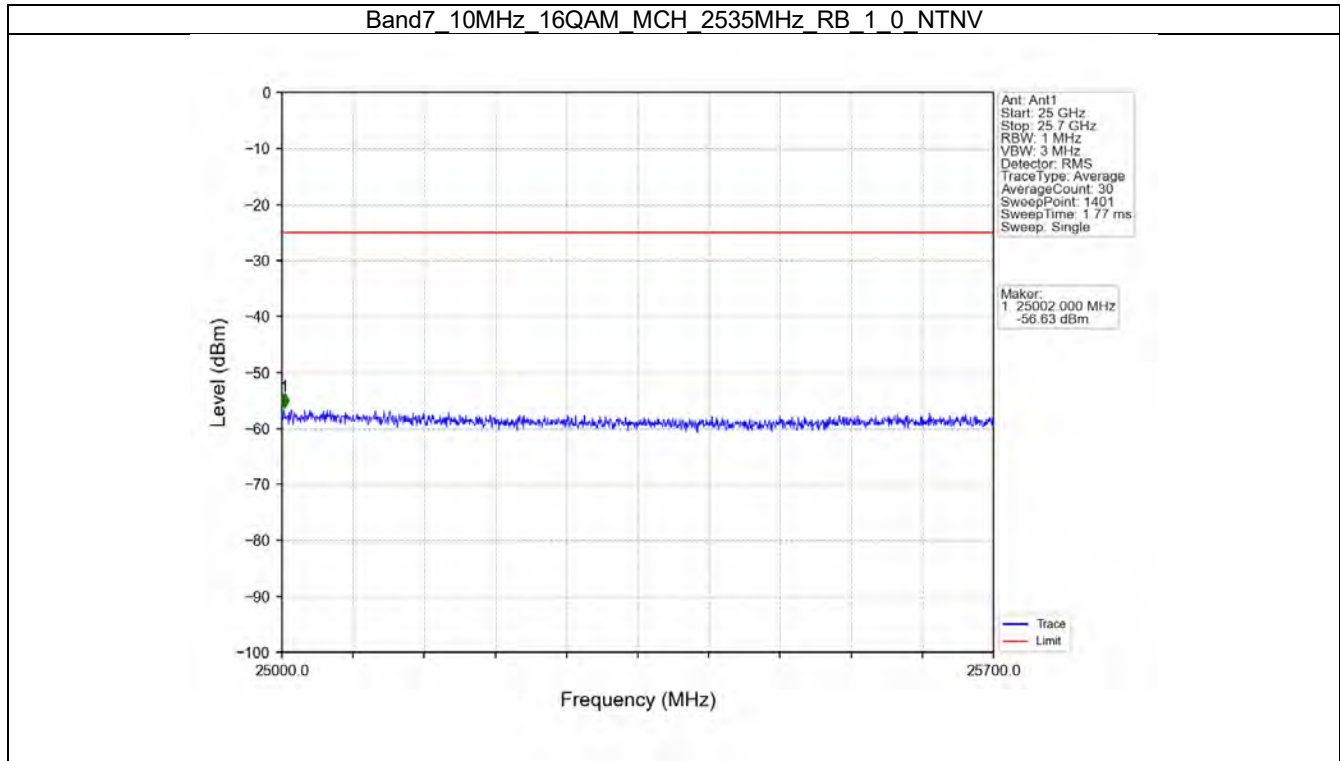


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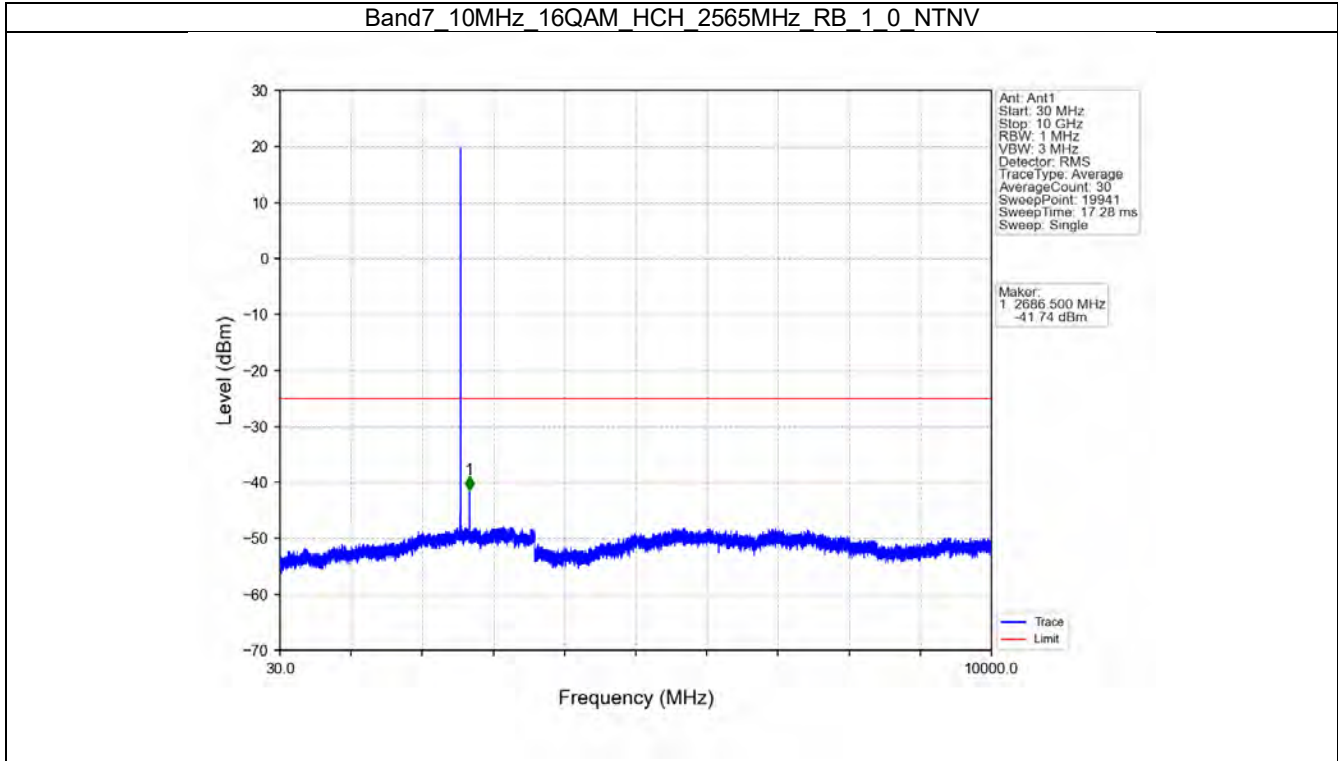


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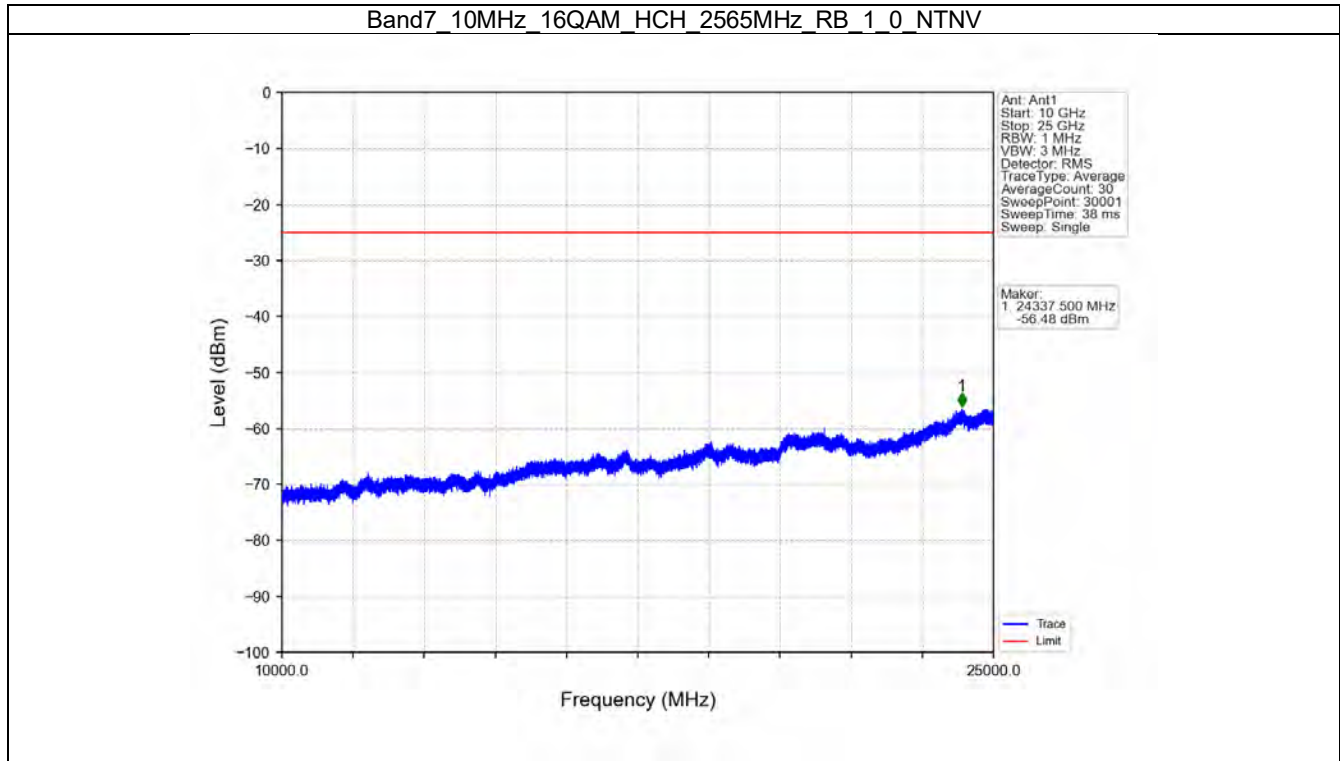


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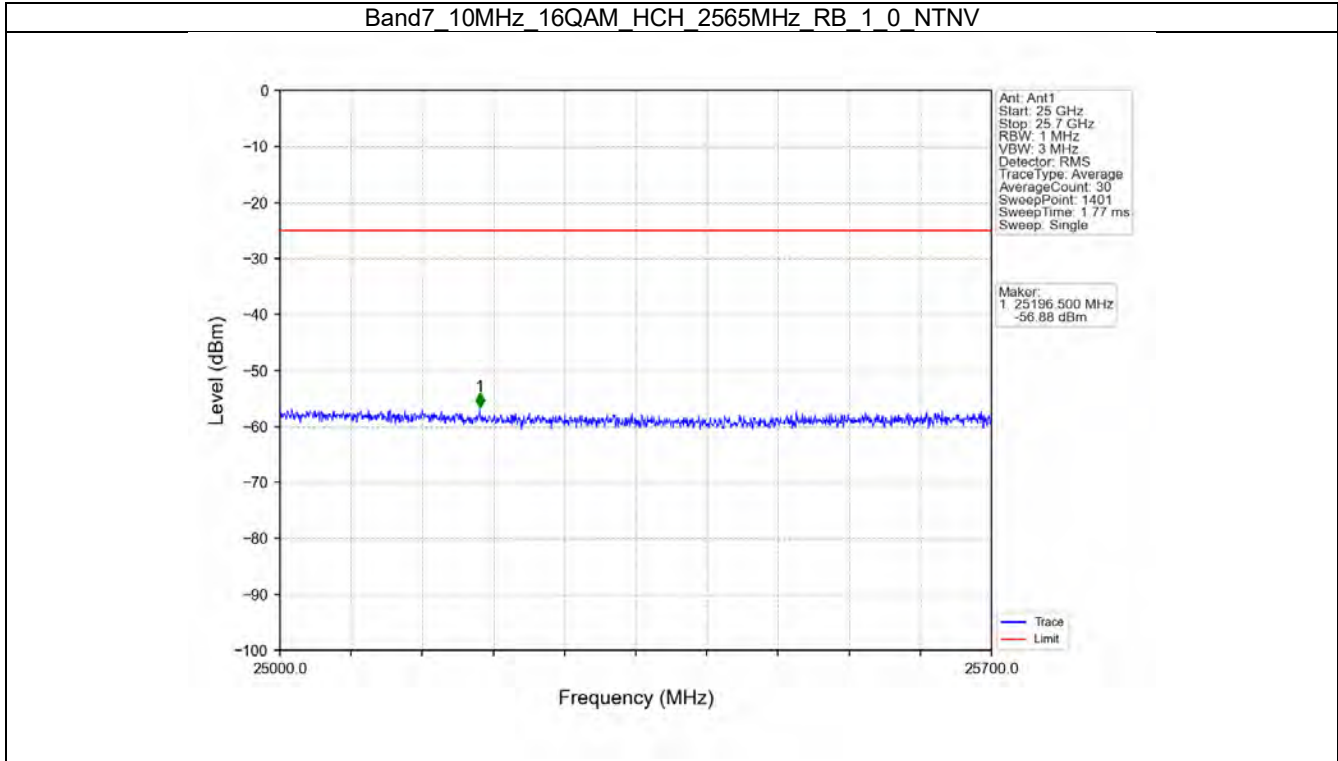


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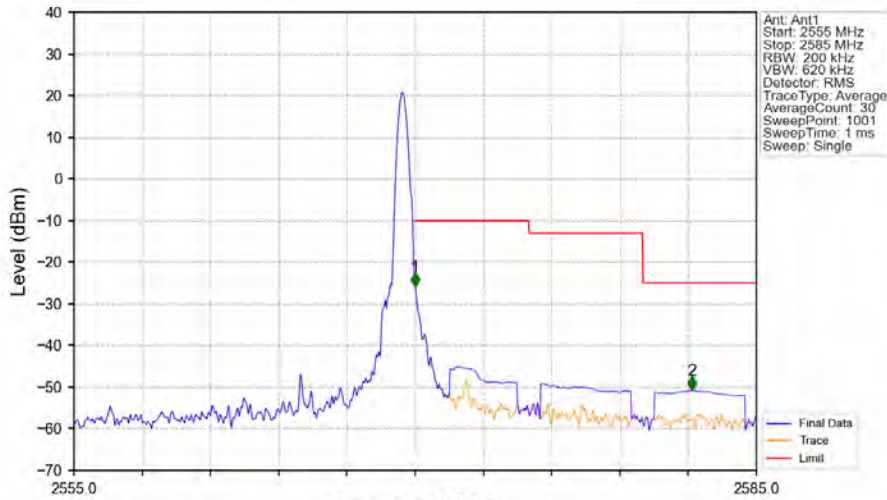
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Band7_10MHz_16QAM_HCH_2565MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.000	-25.90	-10	Pass
2571	2585	1	CHP	2	2582.180	-50.88	-25	Pass



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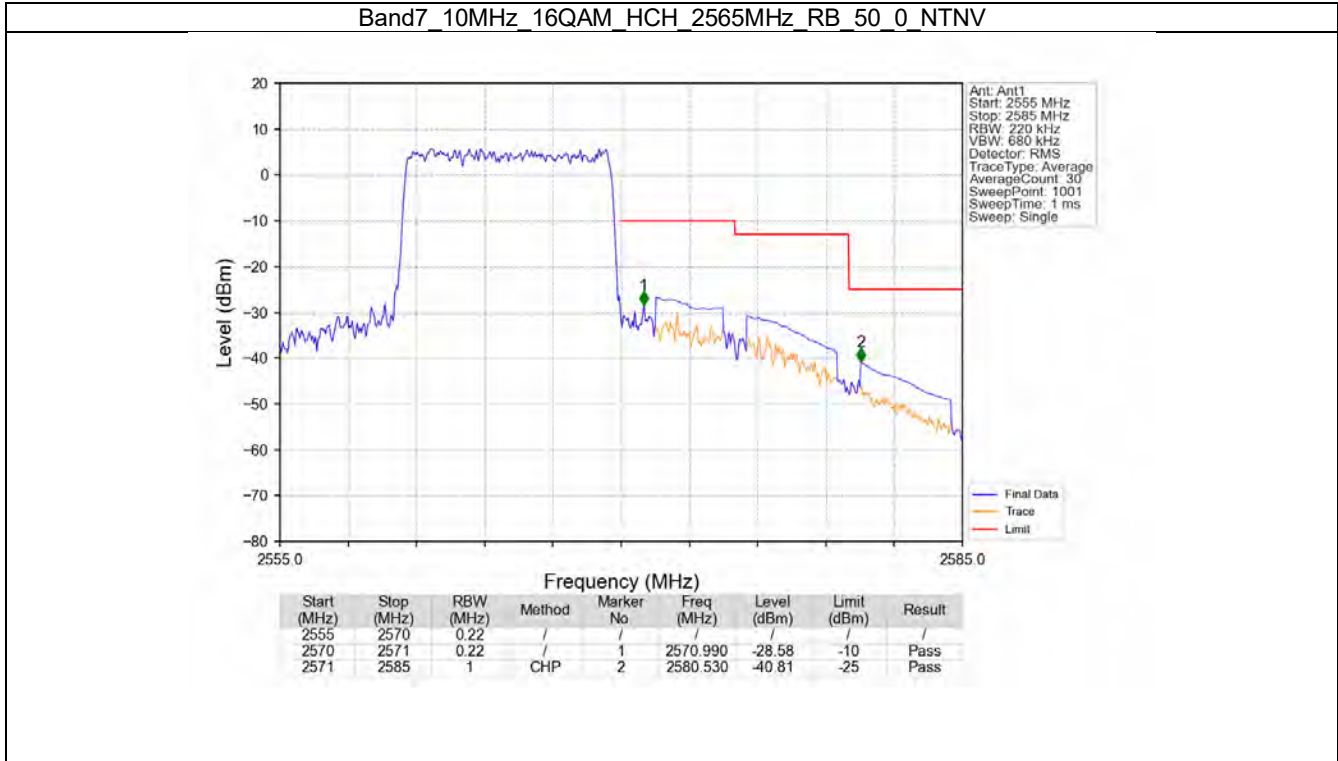


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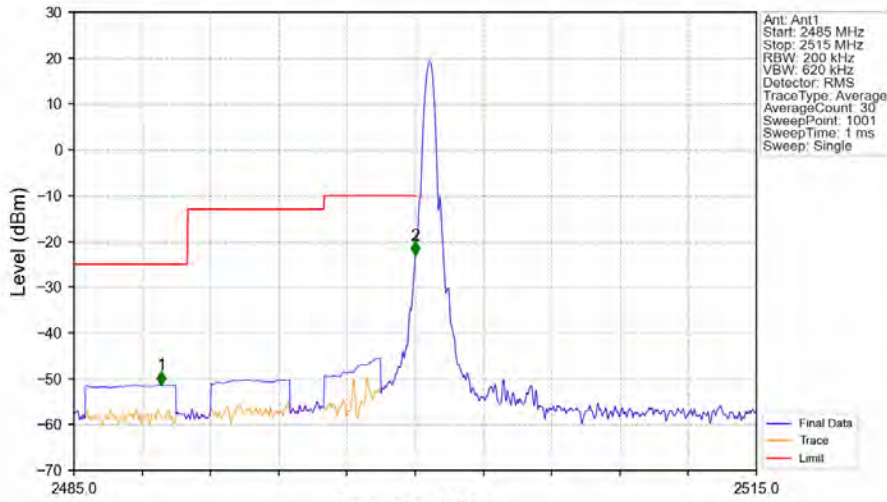
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Band7 10MHz 64QAM LCH 2505MHz RB 1 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2488.840	-51.42	-25	Pass
2499	2500	0.2	/	2	2500.000	-23.09	-10	Pass
2500	2515	0.2	/	/	/	/	/	/



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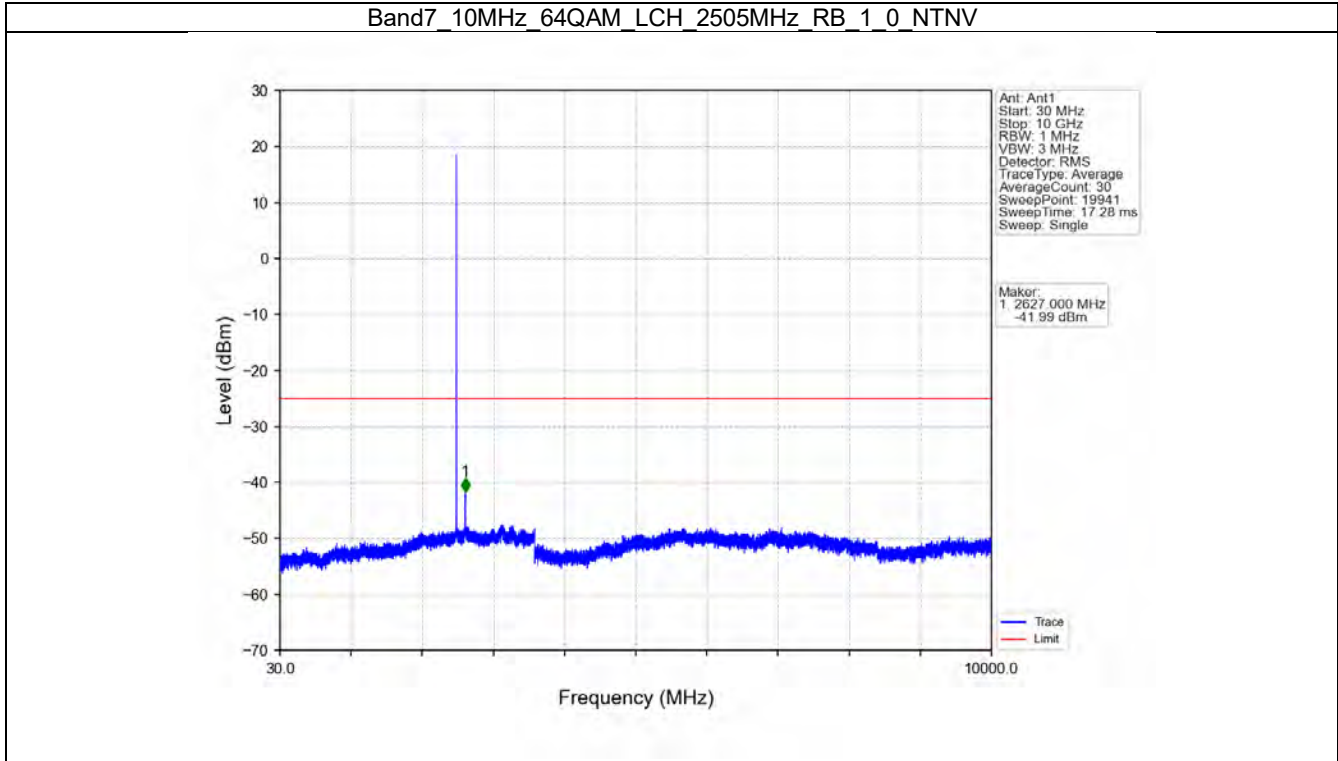


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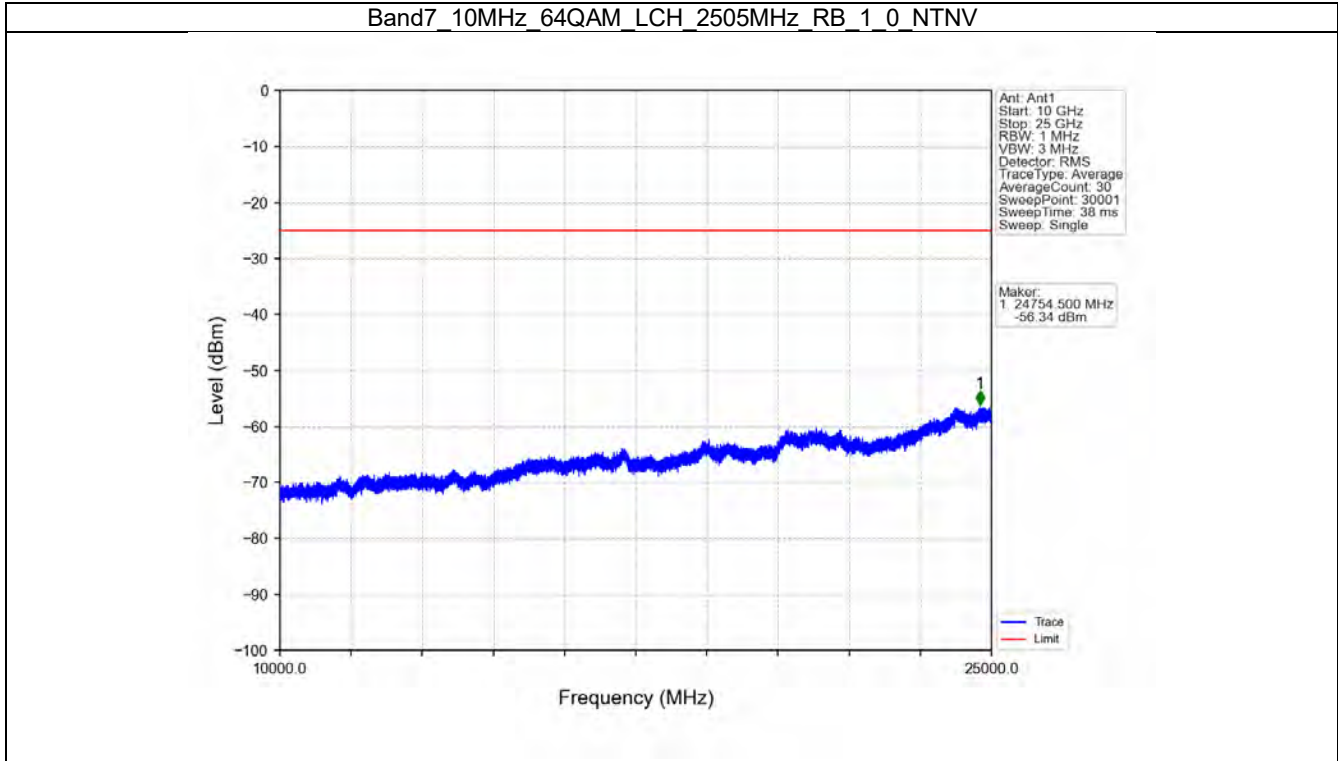


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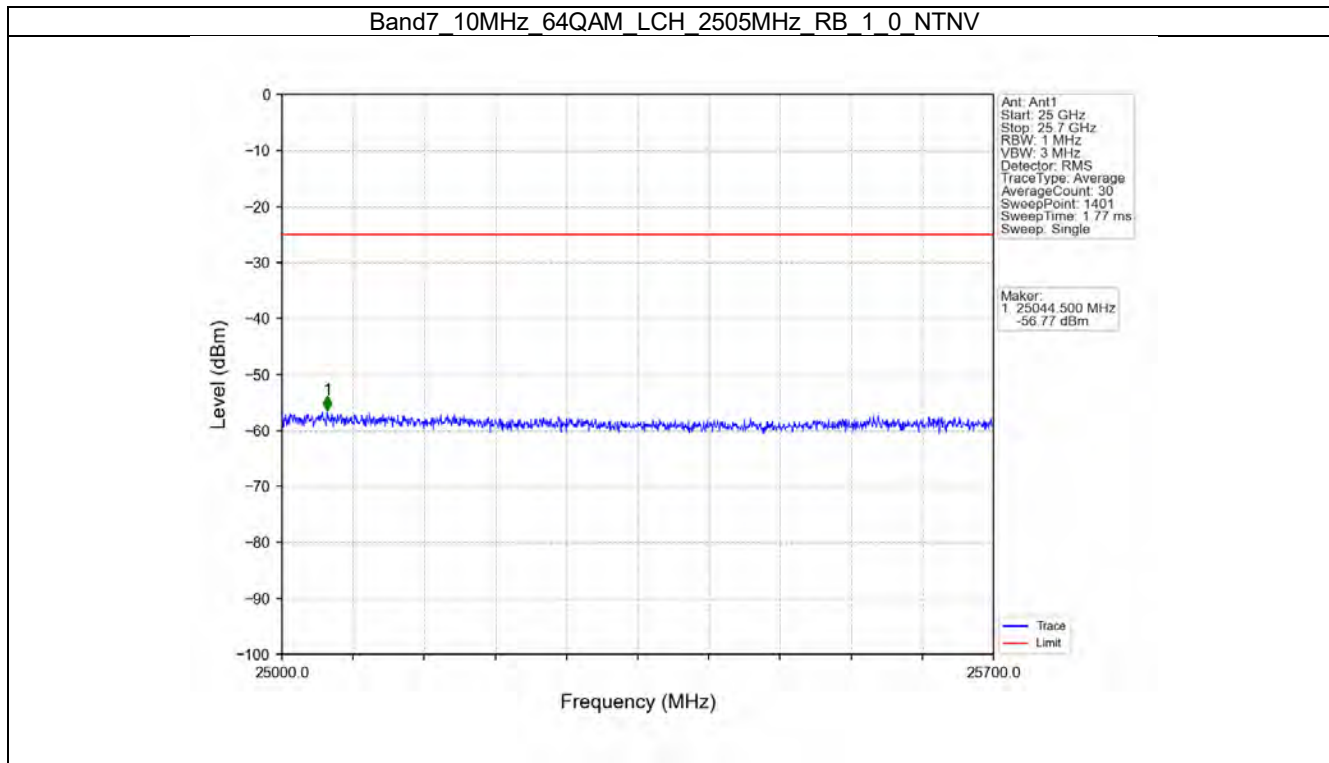
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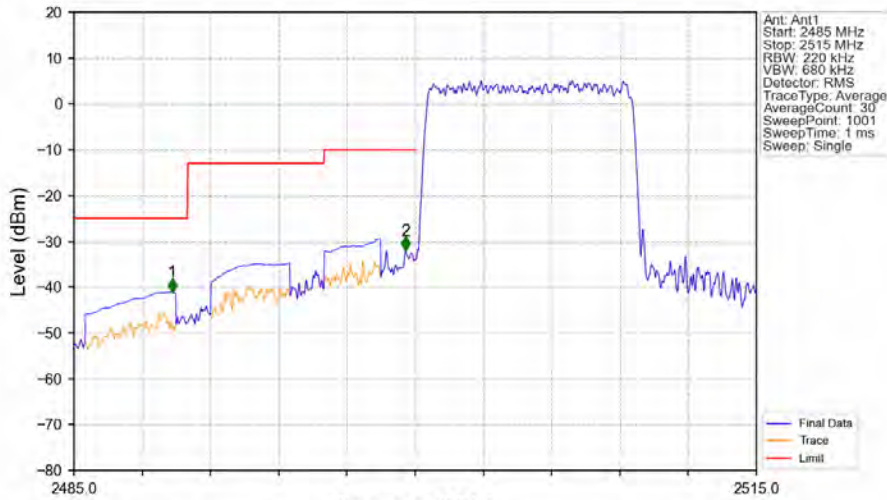
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Shenzhen Branch

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Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.320	-41.11	-25	Pass
2499	2500	0.22	/	2	2499.580	-32.06	-10	Pass
2500	2515	0.22	/	/	/	/	/	/



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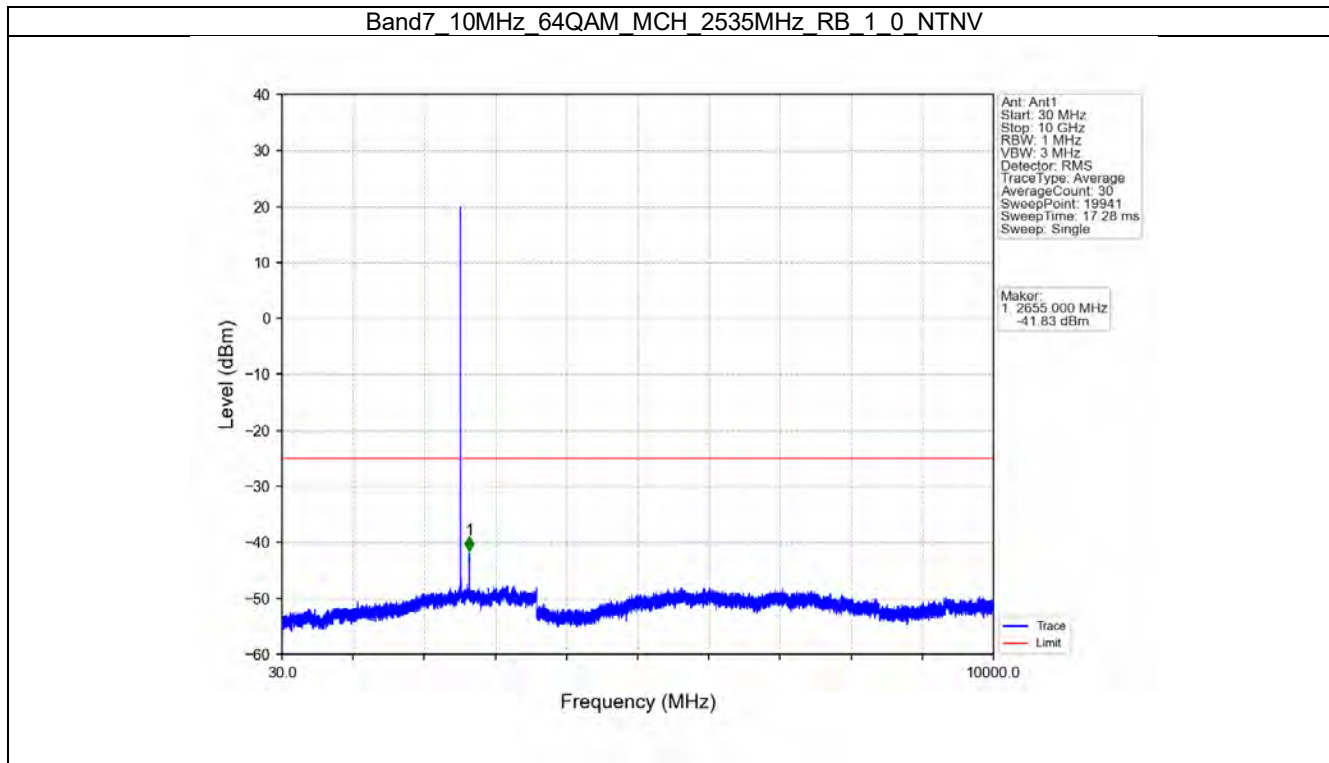
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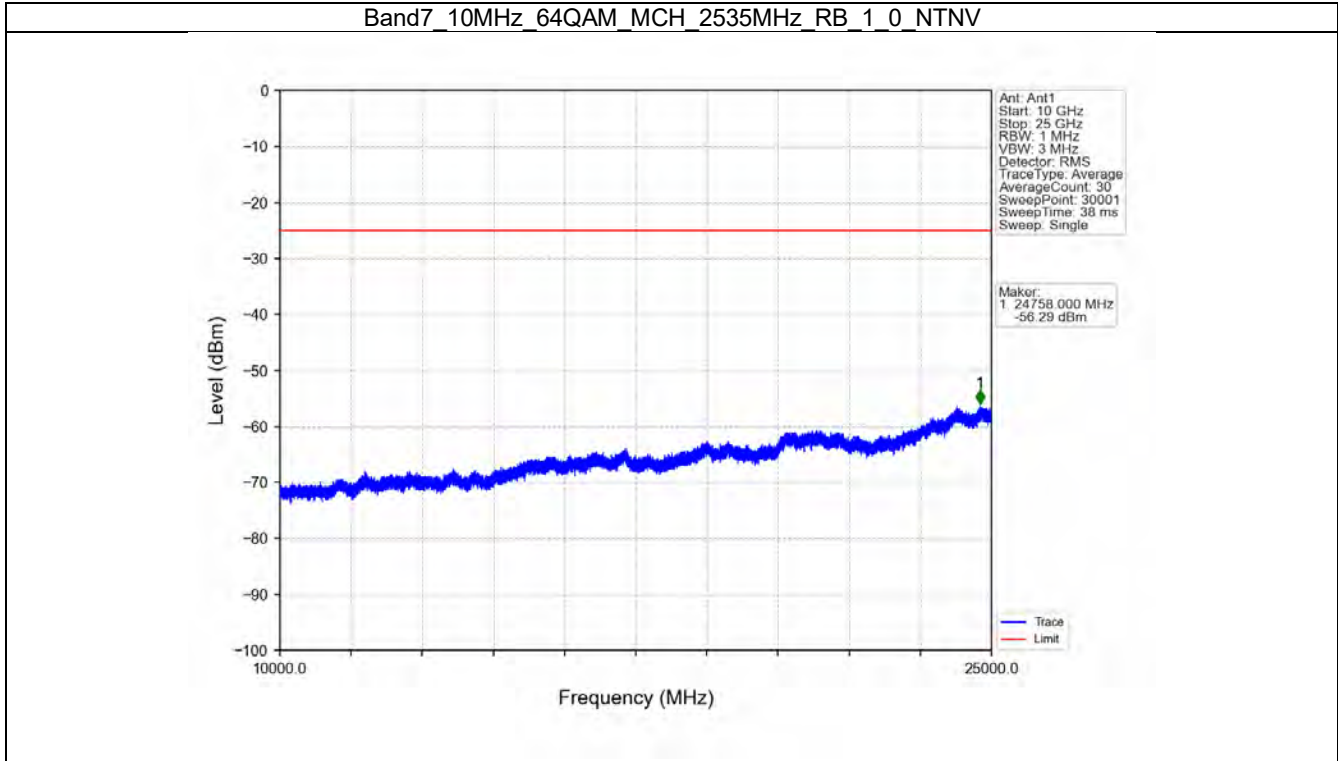


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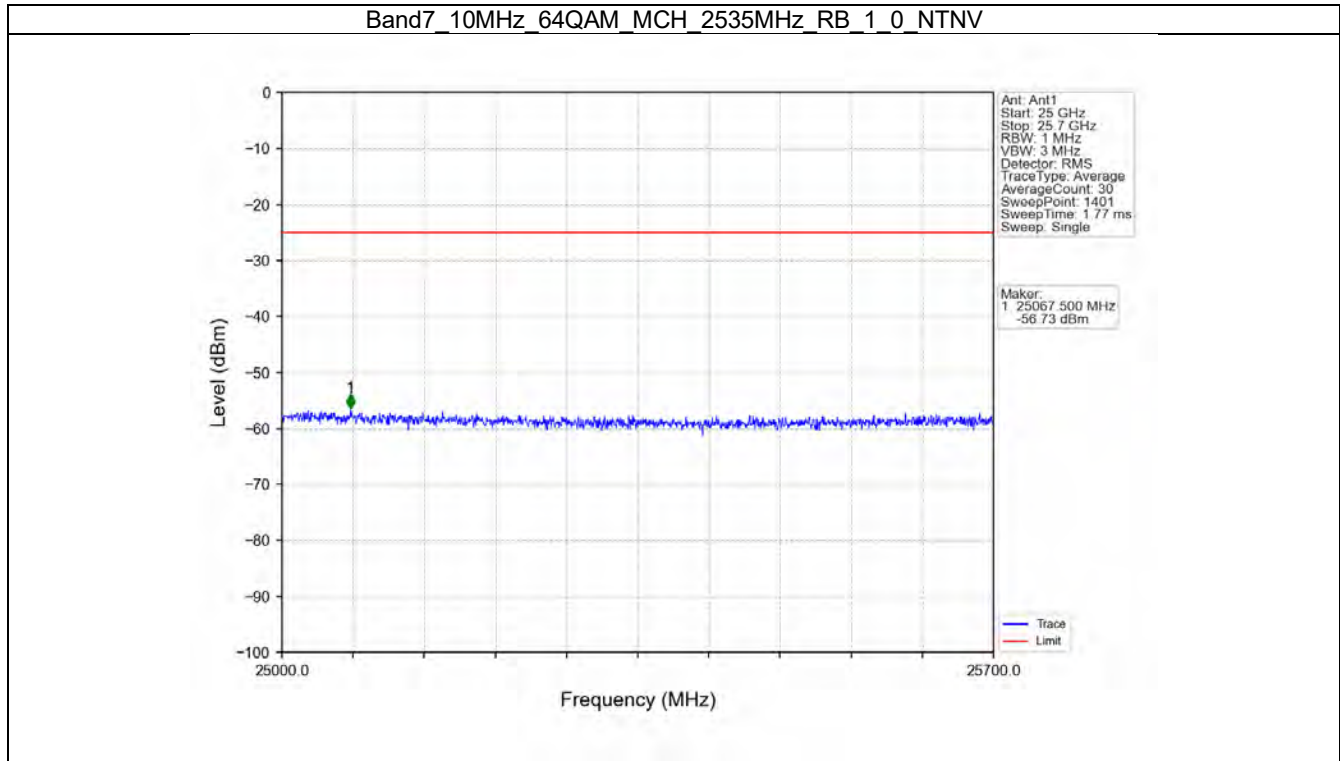


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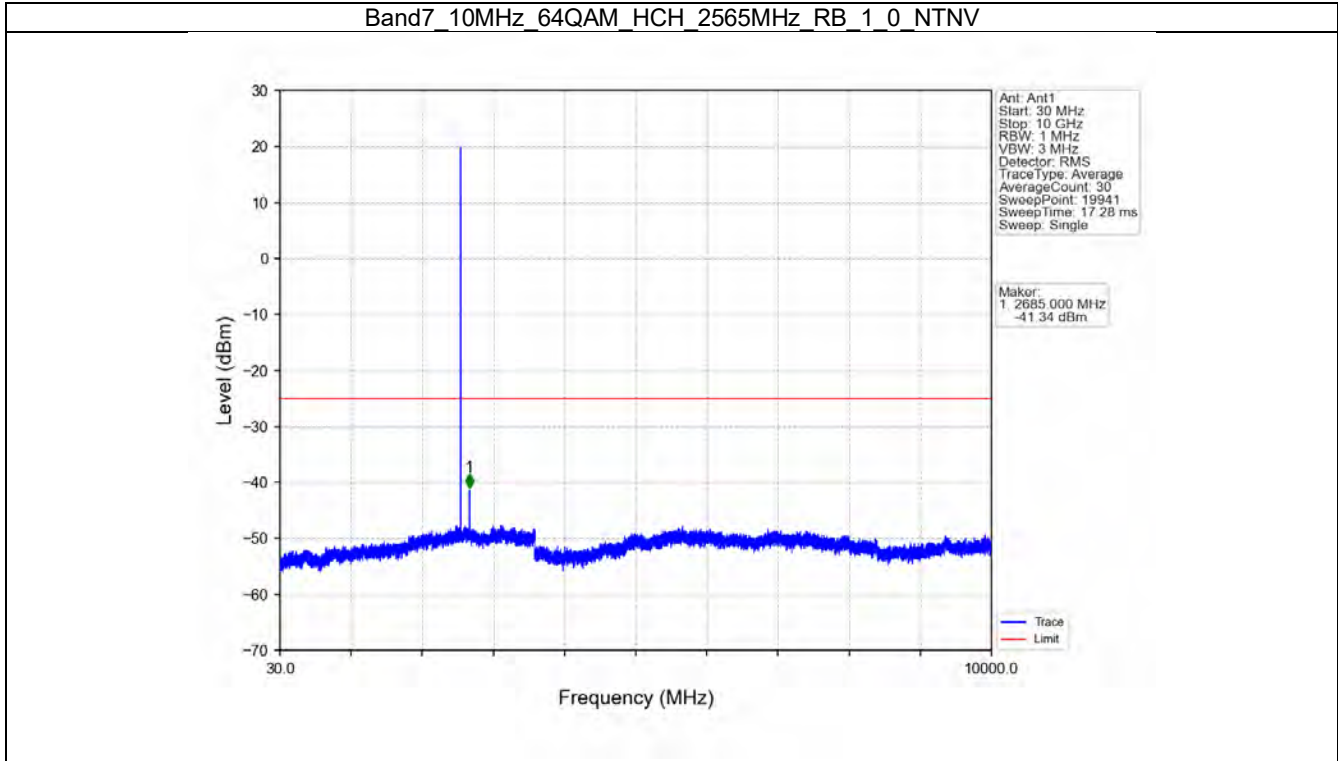


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