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Appendix B.7

LTE Band 4



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP_Ant1

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1710.7	1	0	24.10	0.00	24.10	<=30	Pass	
			2	24.20	0.00	24.20	<=30	Pass	
			5	24.04	0.00	24.04	<=30	Pass	
		3	0	24.07	0.00	24.07	<=30	Pass	
			2	24.10	0.00	24.10	<=30	Pass	
			3	24.10	0.00	24.10	<=30	Pass	
	6	0	23.10	0.00	23.10	<=30	Pass		
		1732.5	1	0	24.03	0.00	24.03	<=30	Pass
				2	24.17	0.00	24.17	<=30	Pass
	5			24.05	0.00	24.05	<=30	Pass	
	3	0	24.09	0.00	24.09	<=30	Pass		
		2	24.13	0.00	24.13	<=30	Pass		
		3	24.14	0.00	24.14	<=30	Pass		
	6	0	23.12	0.00	23.12	<=30	Pass		
		1754.3	1	0	24.22	0.00	24.22	<=30	Pass
				2	24.33	0.00	24.33	<=30	Pass
	5			24.17	0.00	24.17	<=30	Pass	
	3	0	24.28	0.00	24.28	<=30	Pass		
		2	24.32	0.00	24.32	<=30	Pass		
		3	24.29	0.00	24.29	<=30	Pass		
	6	0	23.25	0.00	23.25	<=30	Pass		
		1710.7	1	0	22.92	0.00	22.92	<=30	Pass
				2	23.11	0.00	23.11	<=30	Pass
	5			22.87	0.00	22.87	<=30	Pass	
3	0		22.90	0.00	22.90	<=30	Pass		
	2		22.92	0.00	22.92	<=30	Pass		
	3		22.84	0.00	22.84	<=30	Pass		
6	0	22.14	0.00	22.14	<=30	Pass			
	1732.5	1	0	23.17	0.00	23.17	<=30	Pass	
			2	23.31	0.00	23.31	<=30	Pass	
5			23.15	0.00	23.15	<=30	Pass		
3		0	22.98	0.00	22.98	<=30	Pass		
		2	23.03	0.00	23.03	<=30	Pass		
		3	23.00	0.00	23.00	<=30	Pass		
6	0	22.08	0.00	22.08	<=30	Pass			
	1754.3	1	0	23.33	0.00	23.33	<=30	Pass	
			2	23.53	0.00	23.53	<=30	Pass	



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			5	23.37	0.00	23.37	<=30	Pass
			0	23.17	0.00	23.17	<=30	Pass
		3	2	23.18	0.00	23.18	<=30	Pass
			3	23.15	0.00	23.15	<=30	Pass
		6	0	22.38	0.00	22.38	<=30	Pass
64QAM	1710.7	1	0	22.36	0.00	22.36	<=30	Pass
			2	22.50	0.00	22.50	<=30	Pass
			5	22.32	0.00	22.32	<=30	Pass
		3	0	22.20	0.00	22.20	<=30	Pass
			2	22.22	0.00	22.22	<=30	Pass
			3	22.21	0.00	22.21	<=30	Pass
	6	0	21.07	0.00	21.07	<=30	Pass	
	1732.5	1	0	22.02	0.00	22.02	<=30	Pass
			2	22.24	0.00	22.24	<=30	Pass
			5	22.07	0.00	22.07	<=30	Pass
		3	0	22.05	0.00	22.05	<=30	Pass
			2	22.03	0.00	22.03	<=30	Pass
			3	22.00	0.00	22.00	<=30	Pass
	6	0	21.03	0.00	21.03	<=30	Pass	
	1754.3	1	0	22.67	0.00	22.67	<=30	Pass
			2	22.80	0.00	22.80	<=30	Pass
			5	22.66	0.00	22.66	<=30	Pass
		3	0	22.34	0.00	22.34	<=30	Pass
			2	22.41	0.00	22.41	<=30	Pass
			3	22.41	0.00	22.41	<=30	Pass
	6	0	21.12	0.00	21.12	<=30	Pass	



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1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	24.04	0.00	24.04	<=30	Pass		
			7	24.20	0.00	24.20	<=30	Pass		
			14	24.00	0.00	24.00	<=30	Pass		
		8	0	23.08	0.00	23.08	<=30	Pass		
			4	23.12	0.00	23.12	<=30	Pass		
			7	23.07	0.00	23.07	<=30	Pass		
		15	0	23.04	0.00	23.04	<=30	Pass		
		1732.5	1	0	24.10	0.00	24.10	<=30	Pass	
				7	24.30	0.00	24.30	<=30	Pass	
	14			24.13	0.00	24.13	<=30	Pass		
	8		0	23.13	0.00	23.13	<=30	Pass		
			4	23.14	0.00	23.14	<=30	Pass		
			7	23.11	0.00	23.11	<=30	Pass		
	15		0	23.08	0.00	23.08	<=30	Pass		
	1753.5		1	0	24.33	0.00	24.33	<=30	Pass	
				7	24.59	0.00	24.59	<=30	Pass	
		14		24.34	0.00	24.34	<=30	Pass		
		8	0	23.37	0.00	23.37	<=30	Pass		
			4	23.36	0.00	23.36	<=30	Pass		
			7	23.36	0.00	23.36	<=30	Pass		
		15	0	23.30	0.00	23.30	<=30	Pass		
		16QAM	1711.5	1	0	23.24	0.00	23.24	<=30	Pass
					7	23.42	0.00	23.42	<=30	Pass
	14				23.14	0.00	23.14	<=30	Pass	
8	0			22.18	0.00	22.18	<=30	Pass		
	4			22.20	0.00	22.20	<=30	Pass		
	7			22.15	0.00	22.15	<=30	Pass		
15	0			22.10	0.00	22.10	<=30	Pass		
1732.5	1			0	22.99	0.00	22.99	<=30	Pass	
				7	23.21	0.00	23.21	<=30	Pass	
			14	23.01	0.00	23.01	<=30	Pass		
	8		0	22.18	0.00	22.18	<=30	Pass		
			4	22.23	0.00	22.23	<=30	Pass		
			7	22.20	0.00	22.20	<=30	Pass		
	15		0	22.07	0.00	22.07	<=30	Pass		
	1753.5		1	0	23.23	0.00	23.23	<=30	Pass	
				7	23.54	0.00	23.54	<=30	Pass	
14				23.25	0.00	23.25	<=30	Pass		



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64QAM	1711.5	8	0	22.47	0.00	22.47	<=30	Pass	
			4	22.50	0.00	22.50	<=30	Pass	
			7	22.42	0.00	22.42	<=30	Pass	
		15	0	22.30	0.00	22.30	<=30	Pass	
			1	0	22.03	0.00	22.03	<=30	Pass
			7	22.20	0.00	22.20	<=30	Pass	
	1732.5	8	14	21.95	0.00	21.95	<=30	Pass	
			0	21.10	0.00	21.10	<=30	Pass	
			4	21.14	0.00	21.14	<=30	Pass	
		15	7	21.05	0.00	21.05	<=30	Pass	
			0	21.12	0.00	21.12	<=30	Pass	
			1	0	22.39	0.00	22.39	<=30	Pass
	1753.5	8	7	22.33	0.00	22.33	<=30	Pass	
			14	22.12	0.00	22.12	<=30	Pass	
			0	21.16	0.00	21.16	<=30	Pass	
		15	4	21.24	0.00	21.24	<=30	Pass	
			7	21.17	0.00	21.17	<=30	Pass	
			0	21.19	0.00	21.19	<=30	Pass	
		1753.5	8	0	22.64	0.00	22.64	<=30	Pass
				7	22.90	0.00	22.90	<=30	Pass
				14	22.65	0.00	22.65	<=30	Pass
	15		0	21.35	0.00	21.35	<=30	Pass	
			4	21.36	0.00	21.36	<=30	Pass	
			7	21.34	0.00	21.34	<=30	Pass	
			15	0	21.30	0.00	21.30	<=30	Pass



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1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	24.14	0.00	24.14	<=30	Pass		
			13	24.21	0.00	24.21	<=30	Pass		
			24	24.04	0.00	24.04	<=30	Pass		
		12	0	23.12	0.00	23.12	<=30	Pass		
			6	23.16	0.00	23.16	<=30	Pass		
			13	23.07	0.00	23.07	<=30	Pass		
		25	0	23.07	0.00	23.07	<=30	Pass		
		1732.5	1	0	24.11	0.00	24.11	<=30	Pass	
				13	24.25	0.00	24.25	<=30	Pass	
	24			24.17	0.00	24.17	<=30	Pass		
	12		0	23.13	0.00	23.13	<=30	Pass		
			6	23.21	0.00	23.21	<=30	Pass		
			13	23.16	0.00	23.16	<=30	Pass		
	25		0	23.11	0.00	23.11	<=30	Pass		
	1752.5		1	0	24.27	0.00	24.27	<=30	Pass	
				13	24.39	0.00	24.39	<=30	Pass	
		24		24.27	0.00	24.27	<=30	Pass		
		12	0	23.38	0.00	23.38	<=30	Pass		
			6	23.40	0.00	23.40	<=30	Pass		
			13	23.31	0.00	23.31	<=30	Pass		
		25	0	23.36	0.00	23.36	<=30	Pass		
		16QAM	1712.5	1	0	23.09	0.00	23.09	<=30	Pass
					13	23.19	0.00	23.19	<=30	Pass
	24				23.04	0.00	23.04	<=30	Pass	
12	0			22.18	0.00	22.18	<=30	Pass		
	6			22.18	0.00	22.18	<=30	Pass		
	13			22.10	0.00	22.10	<=30	Pass		
25	0			22.15	0.00	22.15	<=30	Pass		
1732.5	1			0	23.18	0.00	23.18	<=30	Pass	
				13	23.33	0.00	23.33	<=30	Pass	
			24	23.22	0.00	23.22	<=30	Pass		
	12		0	22.18	0.00	22.18	<=30	Pass		
			6	22.27	0.00	22.27	<=30	Pass		
			13	22.24	0.00	22.24	<=30	Pass		
	25		0	22.26	0.00	22.26	<=30	Pass		
	1752.5		1	0	23.40	0.00	23.40	<=30	Pass	
				13	23.51	0.00	23.51	<=30	Pass	
24				23.45	0.00	23.45	<=30	Pass		



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64QAM	1712.5	12	0	22.47	0.00	22.47	<=30	Pass	
			6	22.49	0.00	22.49	<=30	Pass	
			13	22.42	0.00	22.42	<=30	Pass	
		25	0	22.40	0.00	22.40	<=30	Pass	
			0	22.03	0.00	22.03	<=30	Pass	
	1732.5	1	13	22.09	0.00	22.09	<=30	Pass	
			24	21.94	0.00	21.94	<=30	Pass	
			0	21.13	0.00	21.13	<=30	Pass	
		12	6	21.20	0.00	21.20	<=30	Pass	
			13	21.12	0.00	21.12	<=30	Pass	
			0	21.10	0.00	21.10	<=30	Pass	
	1752.5	1	0	22.44	0.00	22.44	<=30	Pass	
			13	22.52	0.00	22.52	<=30	Pass	
			24	22.45	0.00	22.45	<=30	Pass	
		12	0	21.16	0.00	21.16	<=30	Pass	
			6	21.27	0.00	21.27	<=30	Pass	
			13	21.22	0.00	21.22	<=30	Pass	
		25	0	21.16	0.00	21.16	<=30	Pass	
		1752.5	1	0	22.88	0.00	22.88	<=30	Pass
				13	23.00	0.00	23.00	<=30	Pass
	24			22.88	0.00	22.88	<=30	Pass	
	12		0	21.40	0.00	21.40	<=30	Pass	
			6	21.45	0.00	21.45	<=30	Pass	
			13	21.37	0.00	21.37	<=30	Pass	
	25	0	21.36	0.00	21.36	<=30	Pass		



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1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	24.14	0.00	24.14	<=30	Pass		
			25	24.23	0.00	24.23	<=30	Pass		
			49	24.04	0.00	24.04	<=30	Pass		
		25	0	23.17	0.00	23.17	<=30	Pass		
			13	23.15	0.00	23.15	<=30	Pass		
			25	23.15	0.00	23.15	<=30	Pass		
		50	0	23.11	0.00	23.11	<=30	Pass		
		1732.5	1	0	24.18	0.00	24.18	<=30	Pass	
				25	24.35	0.00	24.35	<=30	Pass	
	49			24.26	0.00	24.26	<=30	Pass		
	25		0	23.18	0.00	23.18	<=30	Pass		
			13	23.24	0.00	23.24	<=30	Pass		
			25	23.28	0.00	23.28	<=30	Pass		
	50		0	23.18	0.00	23.18	<=30	Pass		
	1750		1	0	24.27	0.00	24.27	<=30	Pass	
				25	24.42	0.00	24.42	<=30	Pass	
		49		24.29	0.00	24.29	<=30	Pass		
		25	0	23.47	0.00	23.47	<=30	Pass		
			13	23.39	0.00	23.39	<=30	Pass		
			25	23.38	0.00	23.38	<=30	Pass		
		50	0	23.41	0.00	23.41	<=30	Pass		
		16QAM	1715	1	0	23.27	0.00	23.27	<=30	Pass
					25	23.30	0.00	23.30	<=30	Pass
	49				23.22	0.00	23.22	<=30	Pass	
25	0			22.20	0.00	22.20	<=30	Pass		
	13			22.19	0.00	22.19	<=30	Pass		
	25			22.17	0.00	22.17	<=30	Pass		
50	0			22.16	0.00	22.16	<=30	Pass		
1732.5	1			0	23.02	0.00	23.02	<=30	Pass	
				25	23.23	0.00	23.23	<=30	Pass	
			49	23.09	0.00	23.09	<=30	Pass		
	25		0	22.26	0.00	22.26	<=30	Pass		
			13	22.31	0.00	22.31	<=30	Pass		
			25	22.34	0.00	22.34	<=30	Pass		
	50		0	22.22	0.00	22.22	<=30	Pass		
	1750		1	0	23.41	0.00	23.41	<=30	Pass	
				25	23.59	0.00	23.59	<=30	Pass	
49				23.44	0.00	23.44	<=30	Pass		



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		25	0	22.54	0.00	22.54	<=30	Pass	
			13	22.48	0.00	22.48	<=30	Pass	
			25	22.48	0.00	22.48	<=30	Pass	
		50	0	22.49	0.00	22.49	<=30	Pass	
64QAM	1715	1	0	22.08	0.00	22.08	<=30	Pass	
			25	22.16	0.00	22.16	<=30	Pass	
			49	21.99	0.00	21.99	<=30	Pass	
		25	0	21.15	0.00	21.15	<=30	Pass	
			13	21.14	0.00	21.14	<=30	Pass	
			25	21.18	0.00	21.18	<=30	Pass	
		50	0	21.13	0.00	21.13	<=30	Pass	
		1732.5	1	0	22.42	0.00	22.42	<=30	Pass
				25	22.58	0.00	22.58	<=30	Pass
	49			22.50	0.00	22.50	<=30	Pass	
	25		0	21.17	0.00	21.17	<=30	Pass	
			13	21.20	0.00	21.20	<=30	Pass	
			25	21.26	0.00	21.26	<=30	Pass	
	50		0	21.23	0.00	21.23	<=30	Pass	
	1750		1	0	22.32	0.00	22.32	<=30	Pass
				25	22.49	0.00	22.49	<=30	Pass
		49		22.39	0.00	22.39	<=30	Pass	
		25	0	21.45	0.00	21.45	<=30	Pass	
			13	21.39	0.00	21.39	<=30	Pass	
			25	21.38	0.00	21.38	<=30	Pass	
		50	0	21.42	0.00	21.42	<=30	Pass	



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1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	24.07	0.00	24.07	<=30	Pass		
			38	24.10	0.00	24.10	<=30	Pass		
			74	23.94	0.00	23.94	<=30	Pass		
		36	0	23.22	0.00	23.22	<=30	Pass		
			18	23.22	0.00	23.22	<=30	Pass		
			39	23.18	0.00	23.18	<=30	Pass		
		75	0	23.17	0.00	23.17	<=30	Pass		
		1732.5	1	0	24.10	0.00	24.10	<=30	Pass	
				38	24.24	0.00	24.24	<=30	Pass	
	74			24.16	0.00	24.16	<=30	Pass		
	36		0	23.17	0.00	23.17	<=30	Pass		
			18	23.29	0.00	23.29	<=30	Pass		
			39	23.28	0.00	23.28	<=30	Pass		
	75		0	23.25	0.00	23.25	<=30	Pass		
	1747.5		1	0	24.17	0.00	24.17	<=30	Pass	
				38	24.35	0.00	24.35	<=30	Pass	
		74		24.23	0.00	24.23	<=30	Pass		
		36	0	23.45	0.00	23.45	<=30	Pass		
			18	23.45	0.00	23.45	<=30	Pass		
			39	23.43	0.00	23.43	<=30	Pass		
		75	0	23.49	0.00	23.49	<=30	Pass		
		16QAM	1717.5	1	0	23.23	0.00	23.23	<=30	Pass
					38	23.27	0.00	23.27	<=30	Pass
	74				23.15	0.00	23.15	<=30	Pass	
36	0			22.14	0.00	22.14	<=30	Pass		
	18			22.21	0.00	22.21	<=30	Pass		
	39			22.17	0.00	22.17	<=30	Pass		
75	0			22.15	0.00	22.15	<=30	Pass		
1732.5	1			0	22.94	0.00	22.94	<=30	Pass	
				38	23.11	0.00	23.11	<=30	Pass	
			74	23.02	0.00	23.02	<=30	Pass		
	36		0	22.15	0.00	22.15	<=30	Pass		
			18	22.24	0.00	22.24	<=30	Pass		
			39	22.24	0.00	22.24	<=30	Pass		
	75		0	22.26	0.00	22.26	<=30	Pass		
	1747.5		1	0	23.38	0.00	23.38	<=30	Pass	
				38	23.55	0.00	23.55	<=30	Pass	
74				23.47	0.00	23.47	<=30	Pass		



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		36	0	22.44	0.00	22.44	<=30	Pass	
			18	22.51	0.00	22.51	<=30	Pass	
			39	22.41	0.00	22.41	<=30	Pass	
		75	0	22.45	0.00	22.45	<=30	Pass	
64QAM	1717.5	1	0	22.01	0.00	22.01	<=30	Pass	
			38	22.05	0.00	22.05	<=30	Pass	
			74	21.92	0.00	21.92	<=30	Pass	
		36	0	21.16	0.00	21.16	<=30	Pass	
			18	21.21	0.00	21.21	<=30	Pass	
			39	21.24	0.00	21.24	<=30	Pass	
		75	0	21.19	0.00	21.19	<=30	Pass	
		1732.5	1	0	22.32	0.00	22.32	<=30	Pass
				38	22.51	0.00	22.51	<=30	Pass
	74			22.40	0.00	22.40	<=30	Pass	
	36		0	21.12	0.00	21.12	<=30	Pass	
			18	21.25	0.00	21.25	<=30	Pass	
			39	21.24	0.00	21.24	<=30	Pass	
	75		0	21.25	0.00	21.25	<=30	Pass	
	1747.5		1	0	22.54	0.00	22.54	<=30	Pass
				38	22.69	0.00	22.69	<=30	Pass
		74		22.62	0.00	22.62	<=30	Pass	
		36	0	21.38	0.00	21.38	<=30	Pass	
			18	21.44	0.00	21.44	<=30	Pass	
			39	21.38	0.00	21.38	<=30	Pass	
		75	0	21.45	0.00	21.45	<=30	Pass	



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1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	24.09	0.00	24.09	<=30	Pass		
			50	24.26	0.00	24.26	<=30	Pass		
			99	24.07	0.00	24.07	<=30	Pass		
		50	0	23.07	0.00	23.07	<=30	Pass		
			25	23.13	0.00	23.13	<=30	Pass		
			50	23.13	0.00	23.13	<=30	Pass		
		100	0	23.14	0.00	23.14	<=30	Pass		
		1732.5	1	0	23.88	0.00	23.88	<=30	Pass	
				50	24.20	0.00	24.20	<=30	Pass	
	99			24.02	0.00	24.02	<=30	Pass		
	50		0	23.02	0.00	23.02	<=30	Pass		
			25	23.23	0.00	23.23	<=30	Pass		
			50	23.17	0.00	23.17	<=30	Pass		
	100		0	23.12	0.00	23.12	<=30	Pass		
	1745		1	0	24.15	0.00	24.15	<=30	Pass	
				50	24.49	0.00	24.49	<=30	Pass	
		99		24.30	0.00	24.30	<=30	Pass		
		50	0	23.29	0.00	23.29	<=30	Pass		
			25	23.33	0.00	23.33	<=30	Pass		
			50	23.28	0.00	23.28	<=30	Pass		
		100	0	23.32	0.00	23.32	<=30	Pass		
		16QAM	1720	1	0	23.17	0.00	23.17	<=30	Pass
					50	23.38	0.00	23.38	<=30	Pass
	99				23.17	0.00	23.17	<=30	Pass	
50	0			22.11	0.00	22.11	<=30	Pass		
	25			22.20	0.00	22.20	<=30	Pass		
	50			22.22	0.00	22.22	<=30	Pass		
100	0			22.17	0.00	22.17	<=30	Pass		
1732.5	1			0	22.98	0.00	22.98	<=30	Pass	
				50	23.31	0.00	23.31	<=30	Pass	
			99	23.17	0.00	23.17	<=30	Pass		
	50		0	22.15	0.00	22.15	<=30	Pass		
			25	22.30	0.00	22.30	<=30	Pass		
			50	22.29	0.00	22.29	<=30	Pass		
	100		0	22.18	0.00	22.18	<=30	Pass		
	1745		1	0	23.18	0.00	23.18	<=30	Pass	
				50	23.51	0.00	23.51	<=30	Pass	
99				23.34	0.00	23.34	<=30	Pass		



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64QAM	1720	50	0	22.40	0.00	22.40	<=30	Pass	
			25	22.40	0.00	22.40	<=30	Pass	
			50	22.35	0.00	22.35	<=30	Pass	
		100	0	22.33	0.00	22.33	<=30	Pass	
			1	0	22.41	0.00	22.41	<=30	Pass
			50	22.60	0.00	22.60	<=30	Pass	
	1732.5	50	0	21.08	0.00	21.08	<=30	Pass	
			25	21.14	0.00	21.14	<=30	Pass	
			50	21.18	0.00	21.18	<=30	Pass	
		100	0	21.15	0.00	21.15	<=30	Pass	
			1	0	21.99	0.00	21.99	<=30	Pass
			50	22.44	0.00	22.44	<=30	Pass	
	1745	50	0	21.07	0.00	21.07	<=30	Pass	
			25	21.24	0.00	21.24	<=30	Pass	
			50	21.20	0.00	21.20	<=30	Pass	
		100	0	21.16	0.00	21.16	<=30	Pass	
			1	0	22.43	0.00	22.43	<=30	Pass
			50	22.75	0.00	22.75	<=30	Pass	
	1720	50	0	22.60	0.00	22.60	<=30	Pass	
			25	21.33	0.00	21.33	<=30	Pass	
			50	21.37	0.00	21.37	<=30	Pass	
		100	0	21.29	0.00	21.29	<=30	Pass	
			1	0	21.28	0.00	21.28	<=30	Pass
			50	21.28	0.00	21.28	<=30	Pass	



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2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20	3.6	-14.591	-0.0085	/	Pass	
					3.84	-5.665	-0.0033	/	Pass	
					4.3	11.144	0.0065	/	Pass	
				-30	3.84	2.732	0.0016	/	Pass	
					-20	3.84	1.874	0.0011	/	Pass
						-10	3.84	-2.947	-0.0017	/
				0	3.84	-0.515	-0.0003	/	Pass	
				10	3.84	-1.516	-0.0009	/	Pass	
				30	3.84	-5.693	-0.0033	/	Pass	
	40	3.84	-12.946	-0.0076	/	Pass				
	50	3.84	-7.553	-0.0044	/	Pass				
	1732.5	6	0	20	3.6	-14.863	-0.0086	/	Pass	
					3.84	-9.685	-0.0056	/	Pass	
					4.3	-2.546	-0.0015	/	Pass	
				-30	3.84	2.146	0.0012	/	Pass	
					-20	3.84	-5.779	-0.0033	/	Pass
						-10	3.84	-2.875	-0.0017	/
				0	3.84	-4.950	-0.0029	/	Pass	
				10	3.84	4.721	0.0027	/	Pass	
				30	3.84	0.157	0.0001	/	Pass	
	40	3.84	-4.735	-0.0027	/	Pass				
	50	3.84	-4.935	-0.0028	/	Pass				
	1754.3	6	0	20	3.6	3.419	0.0019	/	Pass	
					3.84	-7.567	-0.0043	/	Pass	
					4.3	-3.891	-0.0022	/	Pass	
				-30	3.84	-1.101	-0.0006	/	Pass	
					-20	3.84	-4.063	-0.0023	/	Pass
-10						3.84	-3.433	-0.0020	/	Pass
0				3.84	-3.848	-0.0022	/	Pass		
10				3.84	-1.473	-0.0008	/	Pass		
30				3.84	3.333	0.0019	/	Pass		
40	3.84	-7.739	-0.0044	/	Pass					
50	3.84	-11.687	-0.0067	/	Pass					
16QAM	1710.7	6	0	20	3.6	-11.902	-0.0070	/	Pass	
					3.84	0.401	0.0002	/	Pass	



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64QAM	1732.5	6	0	4.3	-9.127	-0.0053	/	Pass		
				-30	3.84	3.247	0.0019	/	Pass	
				-20	3.84	5.479	0.0032	/	Pass	
				-10	3.84	-4.134	-0.0024	/	Pass	
				0	3.84	-14.062	-0.0082	/	Pass	
				10	3.84	-4.020	-0.0023	/	Pass	
				30	3.84	4.320	0.0025	/	Pass	
				40	3.84	0.343	0.0002	/	Pass	
				50	3.84	-20.041	-0.0117	/	Pass	
	1732.5	6	0	20	3.6	-8.740	-0.0050	/	Pass	
					3.84	-3.204	-0.0018	/	Pass	
					4.3	0.858	0.0005	/	Pass	
				-30	3.84	-14.019	-0.0081	/	Pass	
					-20	3.84	0.815	0.0005	/	Pass
					-10	3.84	-2.017	-0.0012	/	Pass
				0	3.84	-0.372	-0.0002	/	Pass	
					10	3.84	-3.691	-0.0021	/	Pass
					30	3.84	-13.833	-0.0080	/	Pass
	40	3.84	0.815	0.0005	/	Pass				
		50	3.84	-2.003	-0.0012	/	Pass			
		1754.3	6	0	20	3.6	-13.604	-0.0078	/	Pass
	3.84					0.243	0.0001	/	Pass	
	4.3					-11.716	-0.0067	/	Pass	
	-30				3.84	-13.962	-0.0080	/	Pass	
					-20	3.84	-13.876	-0.0079	/	Pass
					-10	3.84	3.633	0.0021	/	Pass
	0				3.84	3.548	0.0020	/	Pass	
					10	3.84	-8.512	-0.0049	/	Pass
30					3.84	3.347	0.0019	/	Pass	
40	3.84	-17.381	-0.0099	/	Pass					
	50	3.84	-12.574	-0.0072	/	Pass				
	1710.7	6	0	20	3.6	-5.007	-0.0029	/	Pass	
3.84					-8.612	-0.0050	/	Pass		
4.3					-1.202	-0.0007	/	Pass		
-30				3.84	-10.085	-0.0059	/	Pass		
				-20	3.84	-2.675	-0.0016	/	Pass	
				-10	3.84	-0.429	-0.0003	/	Pass	
0				3.84	-5.121	-0.0030	/	Pass		
				10	3.84	7.510	0.0044	/	Pass	
				30	3.84	-4.621	-0.0027	/	Pass	
40	3.84	-8.426	-0.0049	/	Pass					
	50	3.84	-2.704	-0.0016	/	Pass				
	1732.5	6	0	20	3.6	-12.760	-0.0074	/	Pass	
3.84					-11.730	-0.0068	/	Pass		
4.3					-5.493	-0.0032	/	Pass		
-30				3.84	-10.328	-0.0060	/	Pass		
-20				3.84	-8.183	-0.0047	/	Pass		
-10	3.84	1.044	0.0006	/	Pass					



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				0	3.84	-6.924	-0.0040	/	Pass			
				10	3.84	-9.098	-0.0053	/	Pass			
				30	3.84	-8.669	-0.0050	/	Pass			
				40	3.84	0.587	0.0003	/	Pass			
				50	3.84	-4.692	-0.0027	/	Pass			
	1754.3	6	0	20	3.6	-13.919	-0.0079	/	Pass			
3.84					-7.153	-0.0041	/	Pass				
4.3					4.749	0.0027	/	Pass				
							-30	3.84	-14.119	-0.0080	/	Pass
							-20	3.84	-10.843	-0.0062	/	Pass
							-10	3.84	-13.962	-0.0080	/	Pass
							0	3.84	-13.232	-0.0075	/	Pass
							10	3.84	-13.261	-0.0076	/	Pass
							30	3.84	-13.833	-0.0079	/	Pass
							40	3.84	-4.063	-0.0023	/	Pass
							50	3.84	-9.799	-0.0056	/	Pass



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2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.6	-3.476	-0.0020	/	Pass	
					3.84	-7.997	-0.0047	/	Pass	
					4.3	-8.039	-0.0047	/	Pass	
				-30	3.84	-0.029	0.0000	/	Pass	
					-20	3.84	-2.389	-0.0014	/	Pass
						3.84	-6.094	-0.0036	/	Pass
				0	3.84	-8.755	-0.0051	/	Pass	
					10	3.84	-3.176	-0.0019	/	Pass
				30	3.84	2.632	0.0015	/	Pass	
	40	3.84	-4.091	-0.0024	/	Pass				
	50	3.84	-14.791	-0.0086	/	Pass				
	1732.5	15	0	20	3.6	-3.190	-0.0018	/	Pass	
					3.84	-0.086	0.0000	/	Pass	
					4.3	-3.948	-0.0023	/	Pass	
				-30	3.84	-2.475	-0.0014	/	Pass	
					-20	3.84	-7.939	-0.0046	/	Pass
						3.84	-0.758	-0.0004	/	Pass
				-10	3.84	-5.064	-0.0029	/	Pass	
					10	3.84	-2.475	-0.0014	/	Pass
				30	3.84	-3.533	-0.0020	/	Pass	
	40	3.84	-12.960	-0.0075	/	Pass				
	50	3.84	-0.186	-0.0001	/	Pass				
	1753.5	15	0	20	3.6	-0.043	0.0000	/	Pass	
					3.84	-11.387	-0.0065	/	Pass	
					4.3	-3.047	-0.0017	/	Pass	
				-30	3.84	-7.596	-0.0043	/	Pass	
					-20	3.84	-7.625	-0.0043	/	Pass
3.84						-9.084	-0.0052	/	Pass	
-10				3.84	2.832	0.0016	/	Pass		
				10	3.84	3.791	0.0022	/	Pass	
30				3.84	-3.777	-0.0022	/	Pass		
40	3.84	-5.035	-0.0029	/	Pass					
50	3.84	7.281	0.0042	/	Pass					
16QAM	1711.5	15	0	20	3.6	-7.281	-0.0043	/	Pass	
					3.84	-7.339	-0.0043	/	Pass	
					4.3	-2.289	-0.0013	/	Pass	
				-30	3.84	-10.643	-0.0062	/	Pass	
					3.84	-15.407	-0.0090	/	Pass	



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64QAM	1732.5	15	0	-10	3.84	1.445	0.0008	/	Pass		
				0	3.84	-10.214	-0.0060	/	Pass		
				10	3.84	-2.432	-0.0014	/	Pass		
				30	3.84	-12.717	-0.0074	/	Pass		
				40	3.84	4.635	0.0027	/	Pass		
				50	3.84	-8.812	-0.0051	/	Pass		
	1732.5	15	0	20	3.6	7.753	0.0045	/	Pass		
					3.84	-13.833	-0.0080	/	Pass		
					4.3	-5.608	-0.0032	/	Pass		
				-30	3.84	2.232	0.0013	/	Pass		
				-20	3.84	-15.478	-0.0089	/	Pass		
				-10	3.84	-1.087	-0.0006	/	Pass		
				0	3.84	4.120	0.0024	/	Pass		
				10	3.84	-17.366	-0.0100	/	Pass		
				30	3.84	-4.077	-0.0024	/	Pass		
				40	3.84	4.134	0.0024	/	Pass		
	50	3.84	-7.367	-0.0043	/	Pass					
	1753.5	15	0	20	3.6	-11.873	-0.0068	/	Pass		
					3.84	4.635	0.0026	/	Pass		
					4.3	-10.328	-0.0059	/	Pass		
				-30	3.84	0.644	0.0004	/	Pass		
				-20	3.84	-10.629	-0.0061	/	Pass		
				-10	3.84	-7.854	-0.0045	/	Pass		
				0	3.84	-17.281	-0.0099	/	Pass		
				10	3.84	-6.595	-0.0038	/	Pass		
				30	3.84	-7.997	-0.0046	/	Pass		
				40	3.84	-17.352	-0.0099	/	Pass		
	50	3.84	-13.905	-0.0079	/	Pass					
1711.5	15	0	20	3.6	-1.373	-0.0008	/	Pass			
				3.84	-4.921	-0.0029	/	Pass			
				4.3	-1.874	-0.0011	/	Pass			
			-30	3.84	1.688	0.0010	/	Pass			
			-20	3.84	-2.689	-0.0016	/	Pass			
			-10	3.84	-3.347	-0.0020	/	Pass			
			0	3.84	1.044	0.0006	/	Pass			
			10	3.84	-6.938	-0.0041	/	Pass			
			30	3.84	2.289	0.0013	/	Pass			
			40	3.84	1.073	0.0006	/	Pass			
			50	3.84	-10.357	-0.0061	/	Pass			
			1732.5	15	0	20	3.6	1.717	0.0010	/	Pass
							3.84	-5.264	-0.0030	/	Pass
							4.3	-9.441	-0.0054	/	Pass
-30	3.84	-10.271				-0.0059	/	Pass			
-20	3.84	-9.985				-0.0058	/	Pass			
-10	3.84	-6.423				-0.0037	/	Pass			
0	3.84	-7.153				-0.0041	/	Pass			
10	3.84	-7.639				-0.0044	/	Pass			
30	3.84	3.963	0.0023	/	Pass						



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				40	3.84	-7.381	-0.0043	/	Pass
				50	3.84	-6.108	-0.0035	/	Pass
				20	3.6	-12.803	-0.0073	/	Pass
					3.84	1.659	0.0009	/	Pass
					4.3	-8.597	-0.0049	/	Pass
				-30	3.84	-10.157	-0.0058	/	Pass
				-20	3.84	-5.550	-0.0032	/	Pass
				-10	3.84	-6.208	-0.0035	/	Pass
				0	3.84	-2.918	-0.0017	/	Pass
				10	3.84	-4.549	-0.0026	/	Pass
				30	3.84	-4.621	-0.0026	/	Pass
				40	3.84	-0.687	-0.0004	/	Pass
				50	3.84	-4.706	-0.0027	/	Pass
1753.5	15	0							



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2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20	3.6	-10.028	-0.0059	/	Pass	
					3.84	-0.772	-0.0005	/	Pass	
					4.3	-1.602	-0.0009	/	Pass	
				-30	3.84	1.302	0.0008	/	Pass	
					-20	3.84	-5.722	-0.0033	/	Pass
					-10	3.84	-2.460	-0.0014	/	Pass
				0	3.84	-3.533	-0.0021	/	Pass	
					10	3.84	-3.748	-0.0022	/	Pass
					30	3.84	-1.588	-0.0009	/	Pass
	40	3.84	-1.945		-0.0011	/	Pass			
	50	3.84	-2.103		-0.0012	/	Pass			
	1732.5	25	0		20	3.6	-6.008	-0.0035	/	Pass
				3.84		-2.246	-0.0013	/	Pass	
				4.3		-10.614	-0.0061	/	Pass	
				-30	3.84	-9.542	-0.0055	/	Pass	
					-20	3.84	-1.388	-0.0008	/	Pass
					-10	3.84	-2.618	-0.0015	/	Pass
				0	3.84	-5.264	-0.0030	/	Pass	
					10	3.84	-15.035	-0.0087	/	Pass
					30	3.84	-8.998	-0.0052	/	Pass
	40	3.84	-5.279		-0.0030	/	Pass			
	50	3.84	-6.938		-0.0040	/	Pass			
	1752.5	25	0		20	3.6	-1.359	-0.0008	/	Pass
				3.84		-4.191	-0.0024	/	Pass	
				4.3		-8.440	-0.0048	/	Pass	
				-30	3.84	-5.236	-0.0030	/	Pass	
					-20	3.84	-8.841	-0.0050	/	Pass
-10					3.84	-3.247	-0.0019	/	Pass	
0				3.84	-3.161	-0.0018	/	Pass		
				10	3.84	-2.847	-0.0016	/	Pass	
				30	3.84	-13.618	-0.0078	/	Pass	
	40	3.84	-0.286	-0.0002	/	Pass				
	50	3.84	-2.990	-0.0017	/	Pass				
	16QAM	1712.5	25	0	20	3.6	-9.484	-0.0055	/	Pass
3.84						3.676	0.0021	/	Pass	
4.3						-2.718	-0.0016	/	Pass	
-30					3.84	-1.931	-0.0011	/	Pass	
					-20	3.84	-7.410	-0.0043	/	Pass



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Shenzhen Branch

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64QAM	1732.5	25	0	-10	3.84	-2.017	-0.0012	/	Pass
				0	3.84	7.925	0.0046	/	Pass
				10	3.84	-8.841	-0.0052	/	Pass
				30	3.84	-5.593	-0.0033	/	Pass
				40	3.84	-19.112	-0.0112	/	Pass
				50	3.84	-7.639	-0.0045	/	Pass
	1752.5	25	0	20	3.6	-11.702	-0.0068	/	Pass
					3.84	-10.657	-0.0062	/	Pass
					4.3	-10.114	-0.0058	/	Pass
				-30	3.84	-8.311	-0.0048	/	Pass
				-20	3.84	-5.507	-0.0032	/	Pass
				-10	3.84	-11.172	-0.0064	/	Pass
				0	3.84	-2.203	-0.0013	/	Pass
				10	3.84	-7.596	-0.0044	/	Pass
				30	3.84	-11.287	-0.0065	/	Pass
				40	3.84	-9.770	-0.0056	/	Pass
	1712.5	25	0	20	3.6	-3.419	-0.0020	/	Pass
					3.84	-2.789	-0.0016	/	Pass
					4.3	-3.605	-0.0021	/	Pass
				-30	3.84	2.089	0.0012	/	Pass
				-20	3.84	-18.396	-0.0105	/	Pass
				-10	3.84	1.273	0.0007	/	Pass
				0	3.84	-12.331	-0.0070	/	Pass
				10	3.84	0.272	0.0002	/	Pass
				30	3.84	-6.223	-0.0036	/	Pass
				40	3.84	-6.309	-0.0036	/	Pass
	1732.5	25	0	20	3.6	-7.610	-0.0044	/	Pass
3.84					-1.688	-0.0010	/	Pass	
4.3					-9.813	-0.0057	/	Pass	
-30				3.84	3.877	0.0023	/	Pass	
-20				3.84	-0.229	-0.0001	/	Pass	
-10				3.84	2.933	0.0017	/	Pass	
0				3.84	-0.601	-0.0004	/	Pass	
10				3.84	-1.931	-0.0011	/	Pass	
30				3.84	1.130	0.0007	/	Pass	
40				3.84	-1.802	-0.0011	/	Pass	
1732.5	25	0	20	3.6	-10.629	-0.0061	/	Pass	
				3.84	-4.163	-0.0024	/	Pass	
				4.3	1.059	0.0006	/	Pass	
			-30	3.84	-3.734	-0.0022	/	Pass	
			-20	3.84	-7.753	-0.0045	/	Pass	
			-10	3.84	-4.692	-0.0027	/	Pass	
			0	3.84	-7.310	-0.0042	/	Pass	
			10	3.84	-0.644	-0.0004	/	Pass	
30	3.84	2.046	0.0012	/	Pass				



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				40	3.84	0.186	0.0001	/	Pass
				50	3.84	-3.190	-0.0018	/	Pass
	1752.5	25	0	20	3.6	-4.907	-0.0028	/	Pass
3.84					0.086	0.0000	/	Pass	
4.3				-3.419	-0.0020	/	Pass		
-30				3.84	-7.610	-0.0043	/	Pass	
-20				3.84	-5.822	-0.0033	/	Pass	
-10				3.84	-4.306	-0.0025	/	Pass	
0				3.84	-7.267	-0.0041	/	Pass	
10				3.84	-6.595	-0.0038	/	Pass	
30				3.84	-4.706	-0.0027	/	Pass	
40				3.84	-11.001	-0.0063	/	Pass	
50				3.84	-3.819	-0.0022	/	Pass	



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2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1715	50	0	20	3.6	-8.583	-0.0050	/	Pass	
					3.84	-3.877	-0.0023	/	Pass	
					4.3	-3.562	-0.0021	/	Pass	
				-30	3.84	-0.286	-0.0002	/	Pass	
					-20	3.84	-4.649	-0.0027	/	Pass
					-10	3.84	0.772	0.0005	/	Pass
				0	3.84	-5.121	-0.0030	/	Pass	
					10	3.84	-8.125	-0.0047	/	Pass
					30	3.84	-6.423	-0.0037	/	Pass
	40	3.84	-3.948		-0.0023	/	Pass			
	50	3.84	-12.388		-0.0072	/	Pass			
	50	3.84	-12.388		-0.0072	/	Pass			
	1732.5	50	0	20	3.6	0.257	0.0001	/	Pass	
					3.84	-7.553	-0.0044	/	Pass	
					4.3	-4.363	-0.0025	/	Pass	
				-30	3.84	-4.163	-0.0024	/	Pass	
					-20	3.84	-3.347	-0.0019	/	Pass
					-10	3.84	-2.732	-0.0016	/	Pass
				0	3.84	-8.254	-0.0048	/	Pass	
					10	3.84	-11.258	-0.0065	/	Pass
					30	3.84	-3.419	-0.0020	/	Pass
	40	3.84	-1.273		-0.0007	/	Pass			
	50	3.84	-4.520		-0.0026	/	Pass			
	50	3.84	-4.520		-0.0026	/	Pass			
	1750	50	0	20	3.6	-5.379	-0.0031	/	Pass	
					3.84	-0.587	-0.0003	/	Pass	
					4.3	-5.207	-0.0030	/	Pass	
-30				3.84	-7.997	-0.0046	/	Pass		
				-20	3.84	-1.760	-0.0010	/	Pass	
				-10	3.84	-4.020	-0.0023	/	Pass	
0				3.84	-11.730	-0.0067	/	Pass		
				10	3.84	0.014	0.0000	/	Pass	
				30	3.84	-0.057	0.0000	/	Pass	
	40	3.84	-4.721	-0.0027	/	Pass				
	50	3.84	-2.074	-0.0012	/	Pass				
	50	3.84	-2.074	-0.0012	/	Pass				
16QAM	1715	50	0	20	3.6	-6.509	-0.0038	/	Pass	
					3.84	-8.225	-0.0048	/	Pass	
					4.3	-12.560	-0.0073	/	Pass	
				-30	3.84	-11.158	-0.0065	/	Pass	
					-20	3.84	-7.453	-0.0043	/	Pass



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64QAM	1732.5	50	0	-10	3.84	5.050	0.0029	/	Pass
				0	3.84	-6.065	-0.0035	/	Pass
				10	3.84	0.944	0.0006	/	Pass
				30	3.84	-6.051	-0.0035	/	Pass
				40	3.84	-3.605	-0.0021	/	Pass
				50	3.84	-6.208	-0.0036	/	Pass
	1732.5	50	0	20	3.6	-9.570	-0.0055	/	Pass
					3.84	-4.306	-0.0025	/	Pass
					4.3	-4.263	-0.0025	/	Pass
				-30	3.84	-6.337	-0.0037	/	Pass
				-20	3.84	-5.465	-0.0032	/	Pass
				-10	3.84	-2.890	-0.0017	/	Pass
				0	3.84	0.100	0.0001	/	Pass
				10	3.84	-6.466	-0.0037	/	Pass
				30	3.84	-2.804	-0.0016	/	Pass
				40	3.84	2.632	0.0015	/	Pass
	1750	50	0	20	3.6	-4.034	-0.0023	/	Pass
					3.84	-1.159	-0.0007	/	Pass
					4.3	-11.487	-0.0066	/	Pass
				-30	3.84	-6.380	-0.0036	/	Pass
				-20	3.84	0.443	0.0003	/	Pass
				-10	3.84	-7.381	-0.0042	/	Pass
				0	3.84	2.203	0.0013	/	Pass
				10	3.84	0.415	0.0002	/	Pass
				30	3.84	-5.064	-0.0029	/	Pass
				40	3.84	-6.838	-0.0039	/	Pass
	1715	50	0	20	3.6	-8.454	-0.0049	/	Pass
3.84					-4.363	-0.0025	/	Pass	
4.3					-2.089	-0.0012	/	Pass	
-30				3.84	-7.639	-0.0045	/	Pass	
-20				3.84	-5.236	-0.0031	/	Pass	
-10				3.84	-7.653	-0.0045	/	Pass	
0				3.84	-3.762	-0.0022	/	Pass	
10				3.84	-2.217	-0.0013	/	Pass	
30				3.84	-10.042	-0.0059	/	Pass	
40				3.84	-3.963	-0.0023	/	Pass	
1732.5	50	0	20	3.6	-6.094	-0.0035	/	Pass	
				3.84	-4.435	-0.0026	/	Pass	
				4.3	-5.450	-0.0031	/	Pass	
			-30	3.84	-7.482	-0.0043	/	Pass	
			-20	3.84	-3.762	-0.0022	/	Pass	
			-10	3.84	0.858	0.0005	/	Pass	
			0	3.84	2.046	0.0012	/	Pass	
			10	3.84	-3.576	-0.0021	/	Pass	
			30	3.84	-4.992	-0.0029	/	Pass	



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				40	3.84	-3.276	-0.0019	/	Pass
				50	3.84	0.615	0.0004	/	Pass
	1750	50	0	20	3.6	-5.393	-0.0031	/	Pass
3.84					-2.246	-0.0013	/	Pass	
4.3				-2.174	-0.0012	/	Pass		
-30				3.84	-4.220	-0.0024	/	Pass	
-20				3.84	-1.559	-0.0009	/	Pass	
-10				3.84	-1.845	-0.0011	/	Pass	
0				3.84	-6.995	-0.0040	/	Pass	
10				3.84	-8.426	-0.0048	/	Pass	
30				3.84	-4.778	-0.0027	/	Pass	
40				3.84	-2.775	-0.0016	/	Pass	
50				3.84	-6.180	-0.0035	/	Pass	



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2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz															
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict						
		Size	Offset				Result	Limit							
QPSK	1717.5	75	0	20	3.6	-16.093	-0.0094	/	Pass						
					3.84	-7.839	-0.0046	/	Pass						
					4.3	-8.383	-0.0049	/	Pass						
				-30	3.84	-2.747	-0.0016	/	Pass						
					-20	3.84	-6.108	-0.0036	/	Pass					
					-10	3.84	-8.869	-0.0052	/	Pass					
				1732.5	75	0	20	3.84	-7.153	-0.0042	/	Pass			
								10	3.84	-6.766	-0.0039	/	Pass		
								30	3.84	-10.872	-0.0063	/	Pass		
	-30	40	3.84				-4.306	-0.0025	/	Pass					
		-20	3.84				-4.392	-0.0026	/	Pass					
		-10	3.84				-2.246	-0.0013	/	Pass					
	1747.5	75	0				20	3.84	-7.596	-0.0044	/	Pass			
								4.3	-5.736	-0.0033	/	Pass			
								-30	3.84	-0.443	-0.0003	/	Pass		
				-30	-20	3.84	-4.864	-0.0028	/	Pass					
					-10	3.84	-4.692	-0.0027	/	Pass					
					0	3.84	-6.323	-0.0036	/	Pass					
				16QAM	1717.5	75	0	20	10	3.84	-2.775	-0.0016	/	Pass	
									30	3.84	-3.762	-0.0022	/	Pass	
									40	3.84	0.086	0.0000	/	Pass	
	-30	50	3.84					-3.877	-0.0022	/	Pass				
		-20	3.84					-6.337	-0.0036	/	Pass				
		-10	3.84					-9.170	-0.0052	/	Pass				
	16QAM	1717.5	75					0	20	4.3	-5.808	-0.0033	/	Pass	
										-30	3.84	-8.969	-0.0051	/	Pass
										-20	3.84	-4.005	-0.0023	/	Pass
-30				-10	3.84	-3.920	-0.0022		/	Pass					
				0	3.84	-3.891	-0.0022		/	Pass					
				10	3.84	1.202	0.0007		/	Pass					
16QAM	1717.5	75	0	20	30	3.84	-3.319	-0.0019	/	Pass					
					40	3.84	-7.052	-0.0040	/	Pass					
					50	3.84	-0.415	-0.0002	/	Pass					
				-30	3.6	-3.562	-0.0021	/	Pass						
					3.84	-2.003	-0.0012	/	Pass						
					4.3	-10.514	-0.0061	/	Pass						
16QAM	1717.5	75	0	-30	3.84	-4.721	-0.0027	/	Pass						
					-20	3.84	-4.349	-0.0025	/	Pass					



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				40	3.84	-6.466	-0.0037	/	Pass
				50	3.84	-5.107	-0.0029	/	Pass
	1747.5	75	0	20	3.6	-4.306	-0.0025	/	Pass
3.84					-3.104	-0.0018	/	Pass	
4.3				-12.302	-0.0070	/	Pass		
-30				3.84	-7.625	-0.0044	/	Pass	
-20				3.84	-6.251	-0.0036	/	Pass	
-10				3.84	-3.333	-0.0019	/	Pass	
0				3.84	-1.616	-0.0009	/	Pass	
10				3.84	-1.845	-0.0011	/	Pass	
30				3.84	-3.605	-0.0021	/	Pass	
40				3.84	-4.735	-0.0027	/	Pass	
50				3.84	-5.980	-0.0034	/	Pass	



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2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1720	100	0	20	3.6	-5.236	-0.0030	/	Pass	
					3.84	-6.166	-0.0036	/	Pass	
					4.3	-5.465	-0.0032	/	Pass	
				-30	3.84	-5.107	-0.0030	/	Pass	
					-20	3.84	-3.133	-0.0018	/	Pass
					-10	3.84	-7.539	-0.0044	/	Pass
				0	3.84	-9.799	-0.0057	/	Pass	
					10	3.84	-3.304	-0.0019	/	Pass
					30	3.84	1.245	0.0007	/	Pass
	40	3.84	-3.576		-0.0021	/	Pass			
	50	3.84	-9.799		-0.0057	/	Pass			
	1732.5	100	0		20	3.6	-7.324	-0.0042	/	Pass
				3.84		-10.386	-0.0060	/	Pass	
				4.3		-9.756	-0.0056	/	Pass	
				-30	3.84	-0.386	-0.0002	/	Pass	
					-20	3.84	-2.389	-0.0014	/	Pass
					-10	3.84	-1.645	-0.0009	/	Pass
				0	3.84	-9.413	-0.0054	/	Pass	
					10	3.84	-0.372	-0.0002	/	Pass
					30	3.84	-9.999	-0.0058	/	Pass
	40	3.84	-10.600		-0.0061	/	Pass			
	50	3.84	-8.397		-0.0048	/	Pass			
	1745	100	0		20	3.6	-11.029	-0.0063	/	Pass
				3.84		-7.725	-0.0044	/	Pass	
				4.3		-7.138	-0.0041	/	Pass	
				-30	3.84	0.558	0.0003	/	Pass	
					-20	3.84	-2.933	-0.0017	/	Pass
-10					3.84	-0.815	-0.0005	/	Pass	
0				3.84	0.372	0.0002	/	Pass		
				10	3.84	-3.304	-0.0019	/	Pass	
				30	3.84	-0.672	-0.0004	/	Pass	
	40	3.84	-5.937	-0.0034	/	Pass				
	50	3.84	-6.609	-0.0038	/	Pass				
	16QAM	1720	100	0	20	3.6	-8.440	-0.0049	/	Pass
3.84						-7.024	-0.0041	/	Pass	
4.3						2.117	0.0012	/	Pass	
-30					3.84	-10.214	-0.0059	/	Pass	
					-20	3.84	-3.648	-0.0021	/	Pass



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				40	3.84	-3.433	-0.0020	/	Pass
				50	3.84	-0.973	-0.0006	/	Pass
	1745	100	0	20	3.6	-2.189	-0.0013	/	Pass
3.84					-4.334	-0.0025	/	Pass	
4.3				-3.691	-0.0021	/	Pass		
-30				3.84	-8.211	-0.0047	/	Pass	
-20				3.84	-1.817	-0.0010	/	Pass	
-10				3.84	-2.818	-0.0016	/	Pass	
0				3.84	-10.057	-0.0058	/	Pass	
10				3.84	-6.609	-0.0038	/	Pass	
30				3.84	-2.961	-0.0017	/	Pass	
40				3.84	-4.449	-0.0025	/	Pass	
50				3.84	-4.377	-0.0025	/	Pass	



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3. 99% & 26dB Bandwidth

3.1 Band4_OBW

3.1.1 Test Result

Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.106	/	Pass
	16QAM	1710.7	6	0	1.104	/	Pass
		1732.5	6	0	1.102	/	Pass
		1754.3	6	0	1.114	/	Pass
	64QAM	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.729	/	Pass
	16QAM	1711.5	15	0	2.721	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.718	/	Pass
	64QAM	1711.5	15	0	2.746	/	Pass
		1732.5	15	0	2.715	/	Pass
		1753.5	15	0	2.717	/	Pass
5	QPSK	1712.5	25	0	4.556	/	Pass
		1732.5	25	0	4.530	/	Pass
		1752.5	25	0	4.528	/	Pass
	16QAM	1712.5	25	0	4.531	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.543	/	Pass
	64QAM	1712.5	25	0	4.534	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.537	/	Pass
10	QPSK	1715	50	0	9.063	/	Pass
		1732.5	50	0	9.024	/	Pass
		1750	50	0	9.079	/	Pass
	16QAM	1715	50	0	9.067	/	Pass
		1732.5	50	0	9.055	/	Pass
		1750	50	0	9.050	/	Pass
	64QAM	1715	50	0	9.038	/	Pass
		1732.5	50	0	9.027	/	Pass
		1750	50	0	9.050	/	Pass



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		1750	50	0	9.078	/	Pass
15	QPSK	1717.5	75	0	13.581	/	Pass
		1732.5	75	0	13.537	/	Pass
		1747.5	75	0	13.560	/	Pass
	16QAM	1717.5	75	0	13.556	/	Pass
		1732.5	75	0	13.533	/	Pass
		1747.5	75	0	13.584	/	Pass
	64QAM	1717.5	75	0	13.563	/	Pass
		1732.5	75	0	13.578	/	Pass
		1747.5	75	0	13.593	/	Pass
20	QPSK	1720	100	0	18.079	/	Pass
		1732.5	100	0	18.050	/	Pass
		1745	100	0	18.080	/	Pass
	16QAM	1720	100	0	18.158	/	Pass
		1732.5	100	0	18.062	/	Pass
		1745	100	0	18.069	/	Pass
	64QAM	1720	100	0	18.073	/	Pass
		1732.5	100	0	18.051	/	Pass
		1745	100	0	18.116	/	Pass



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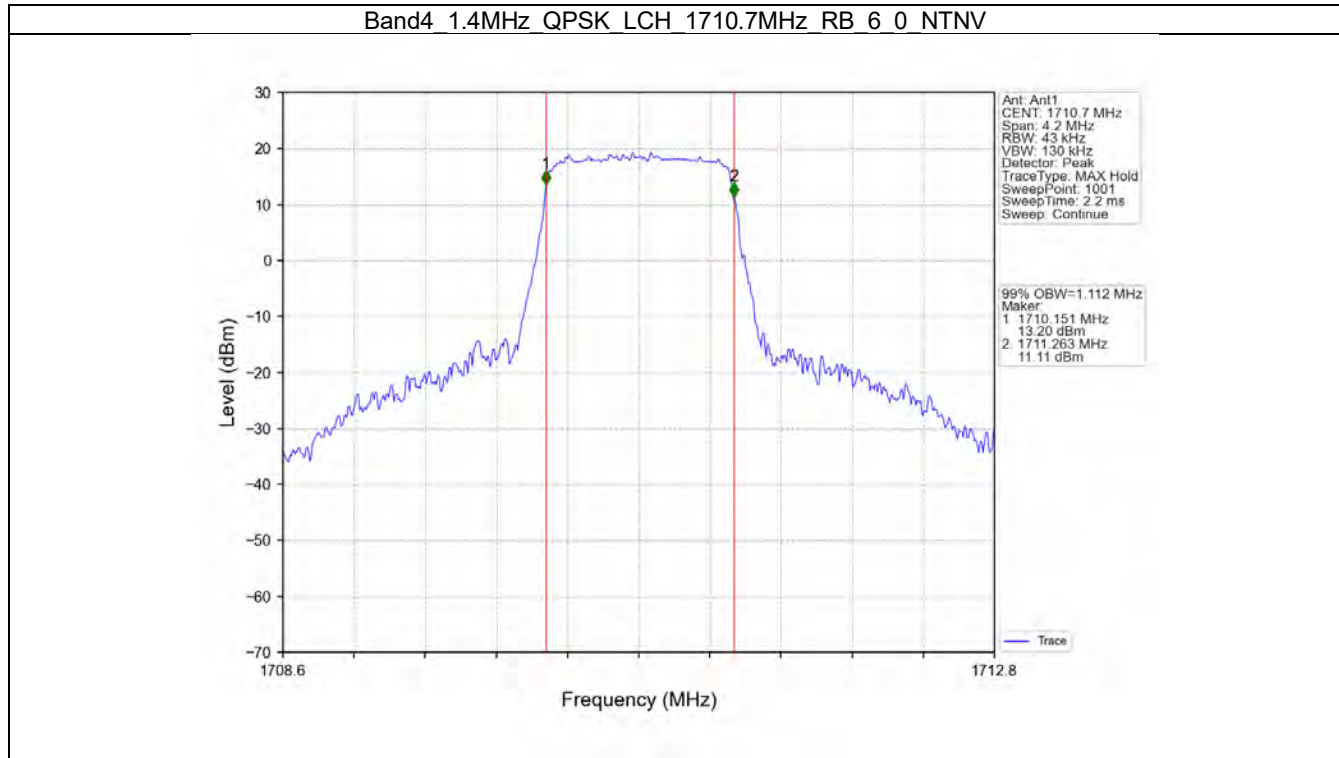
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3.1.2 Test Graph



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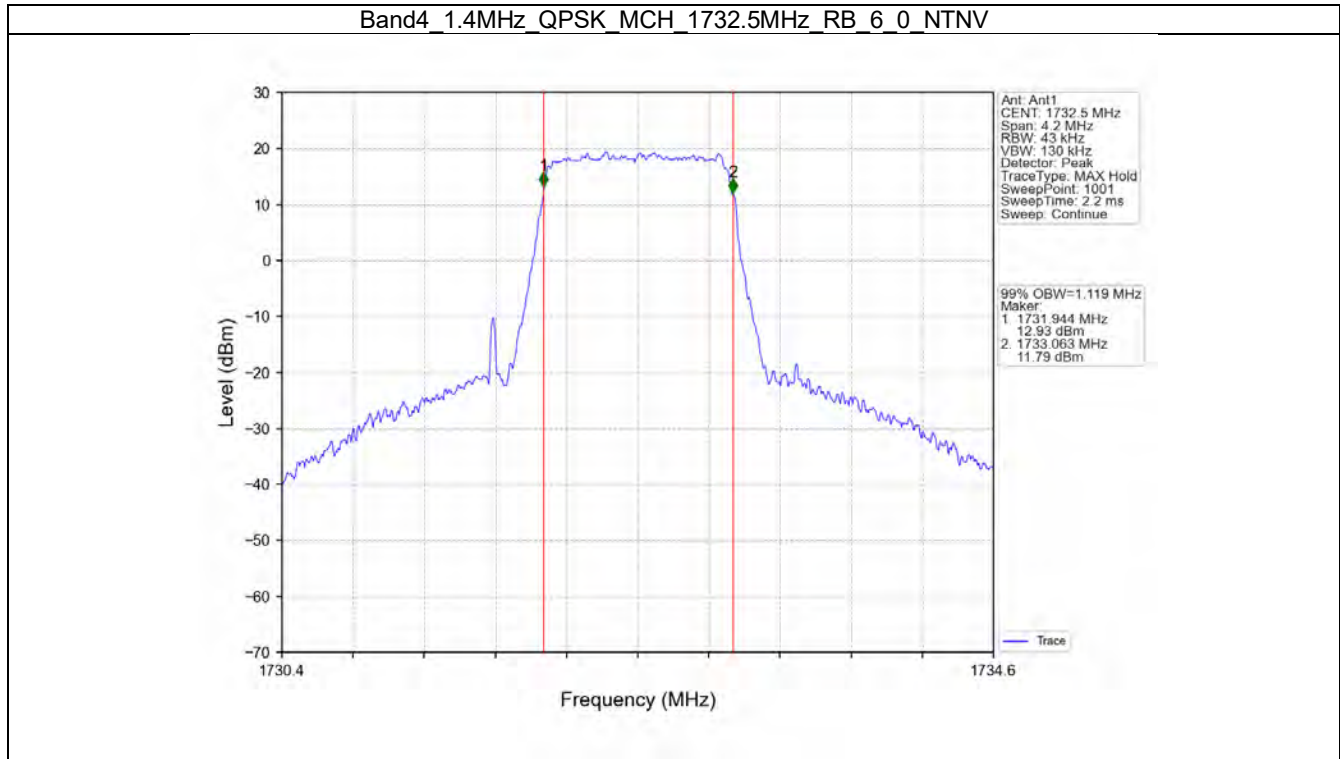


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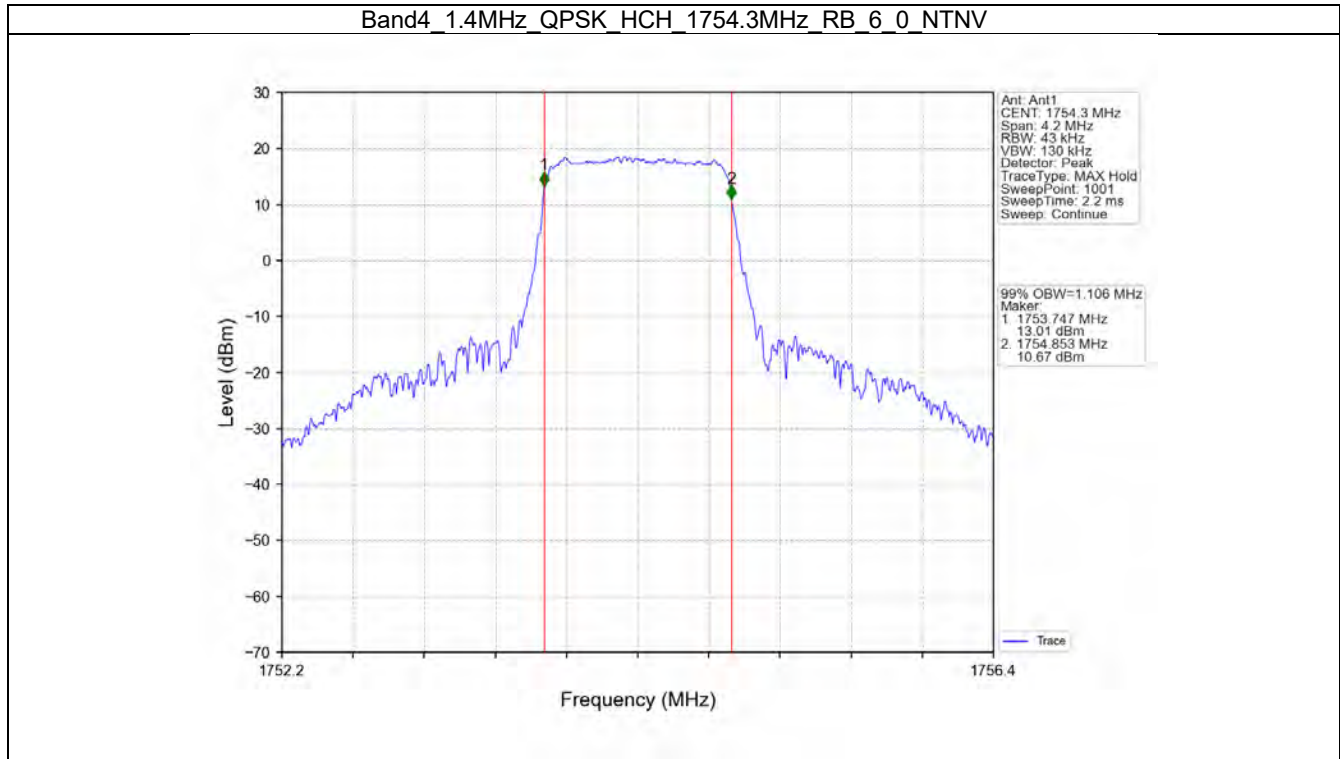


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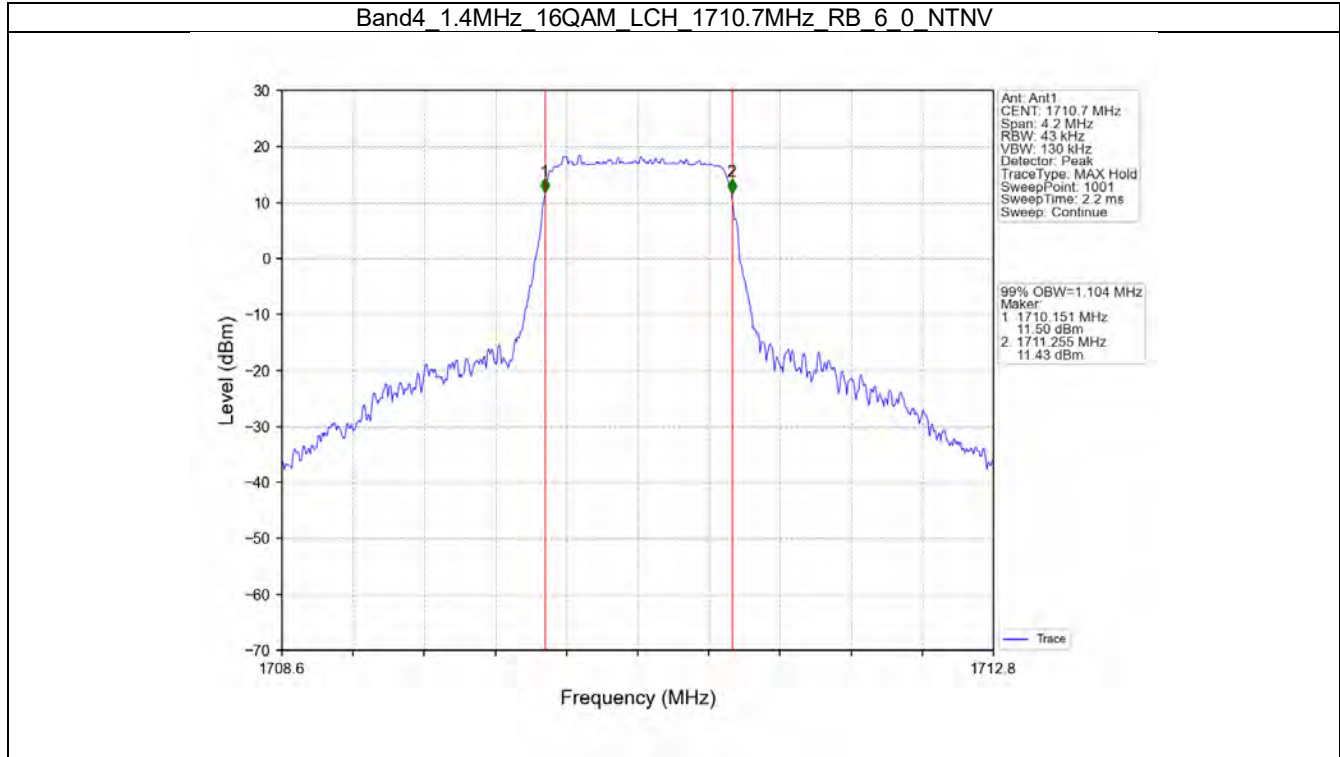


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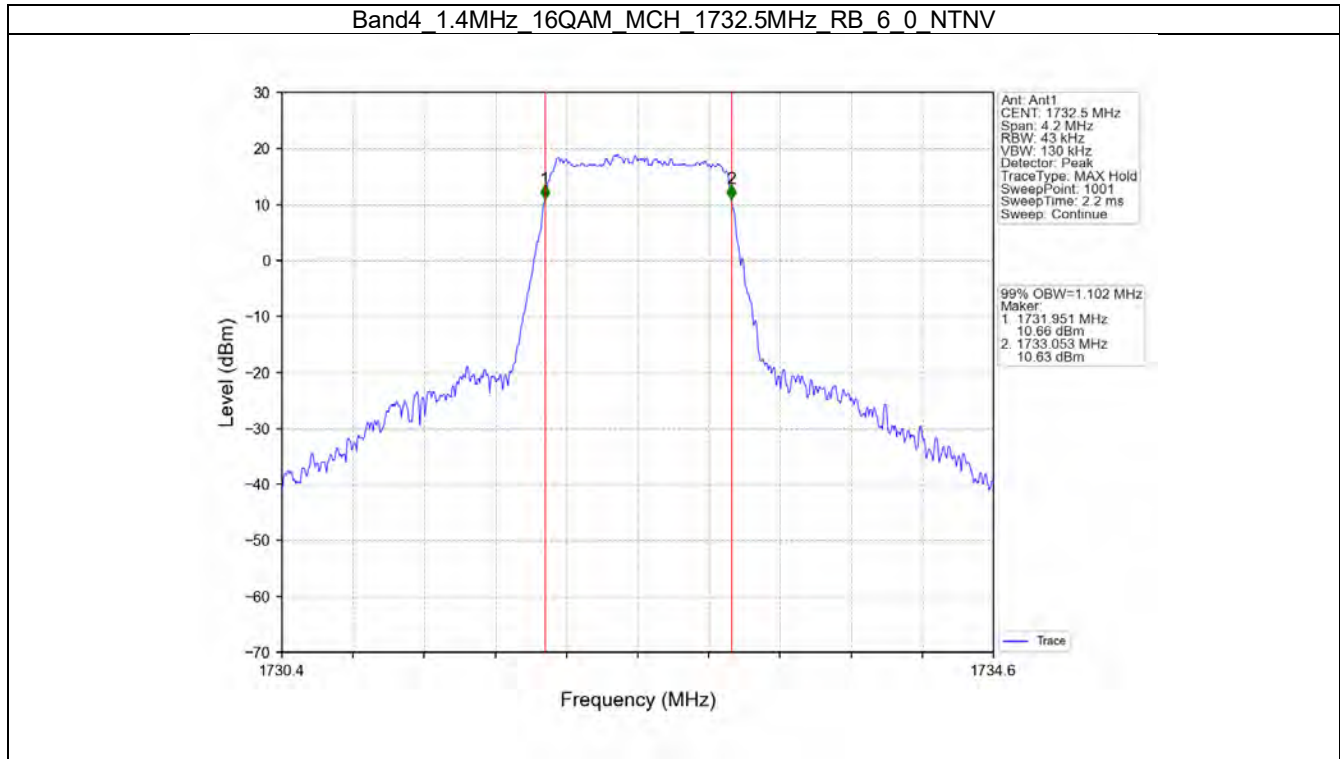


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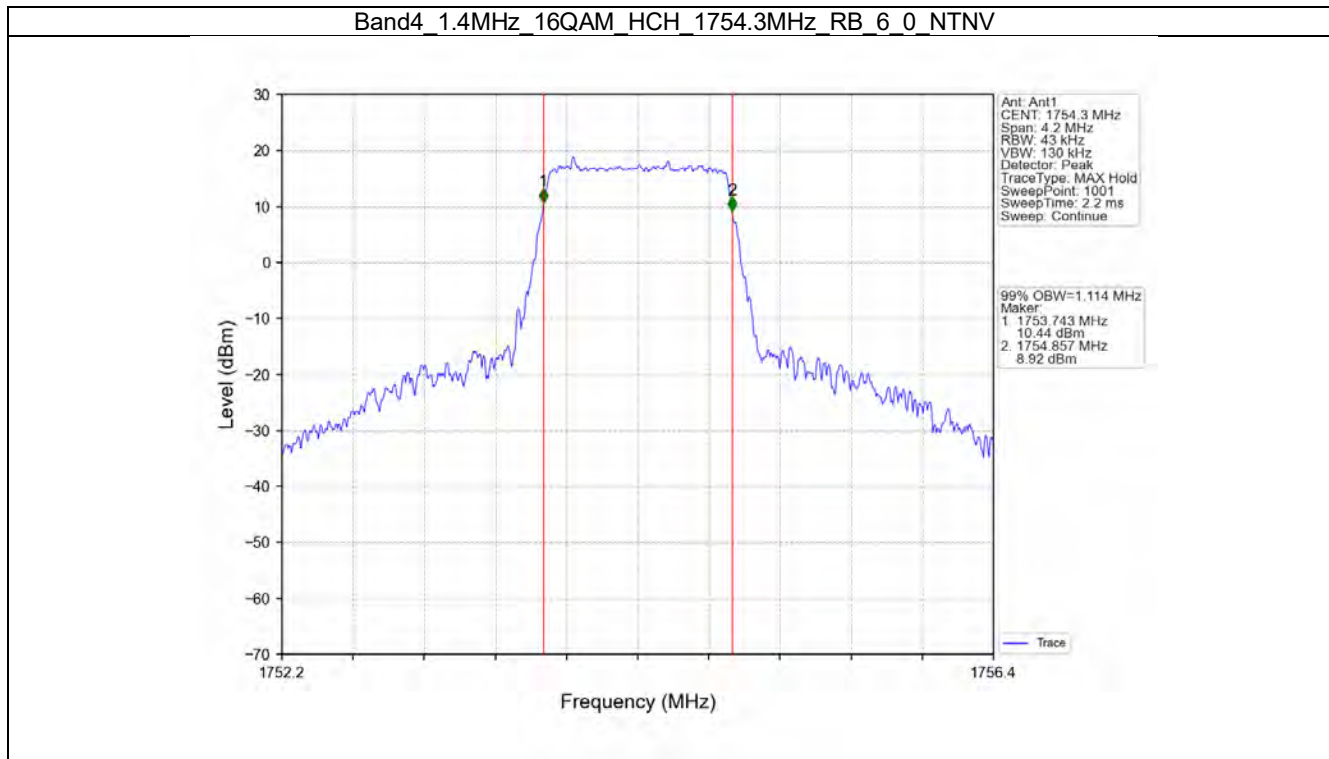
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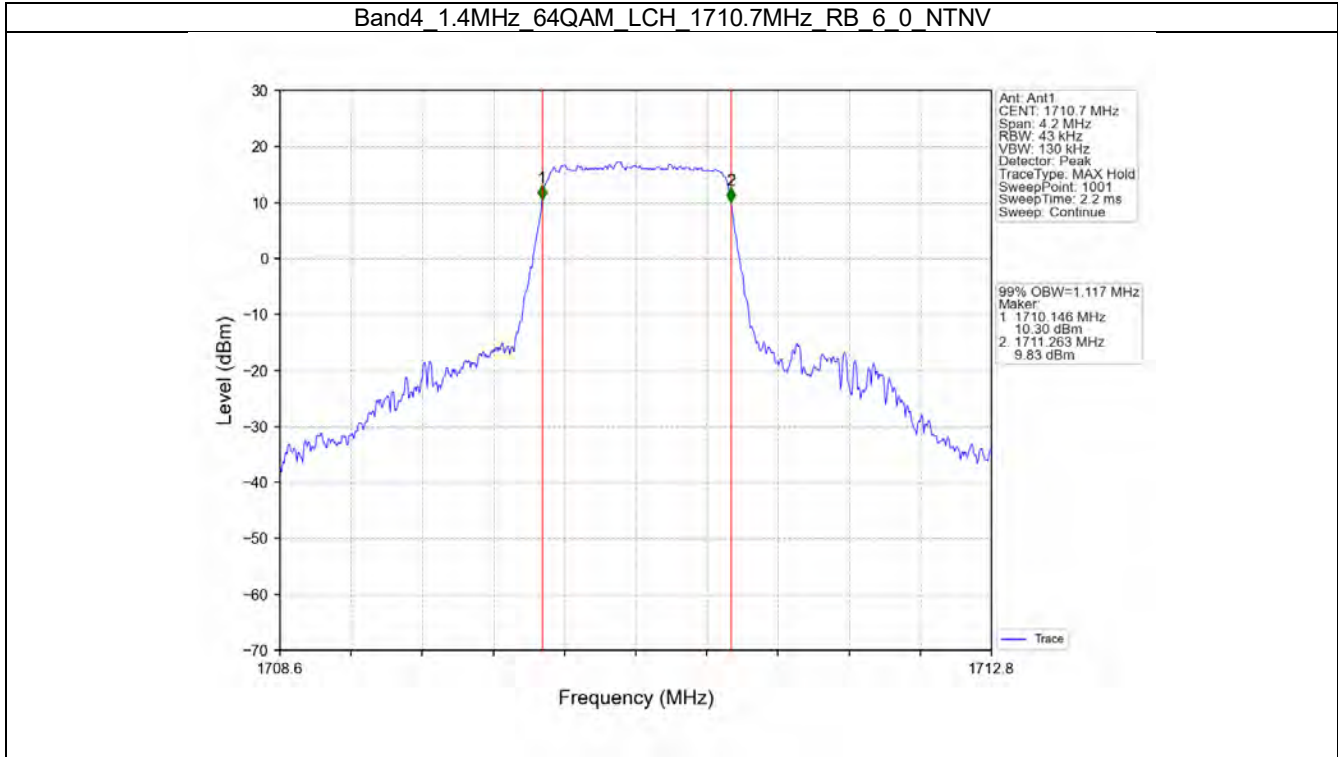


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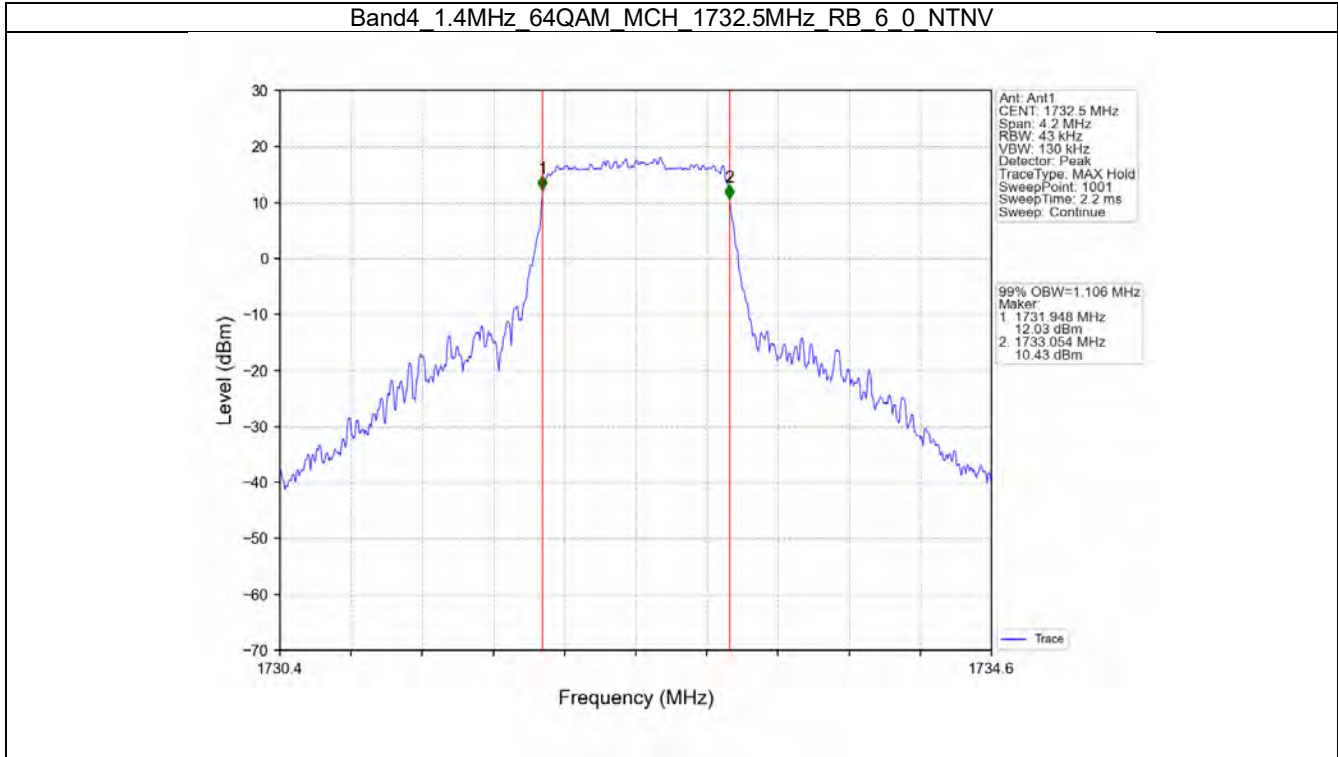


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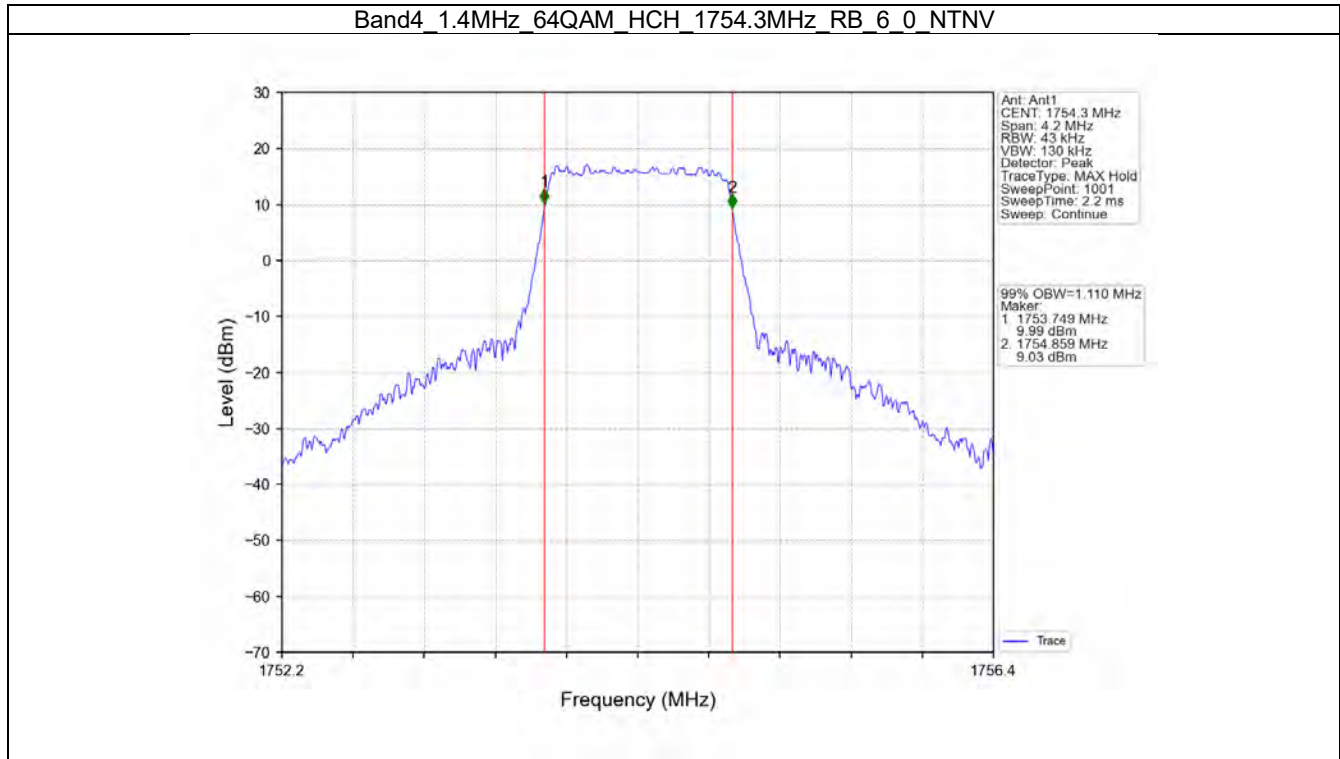


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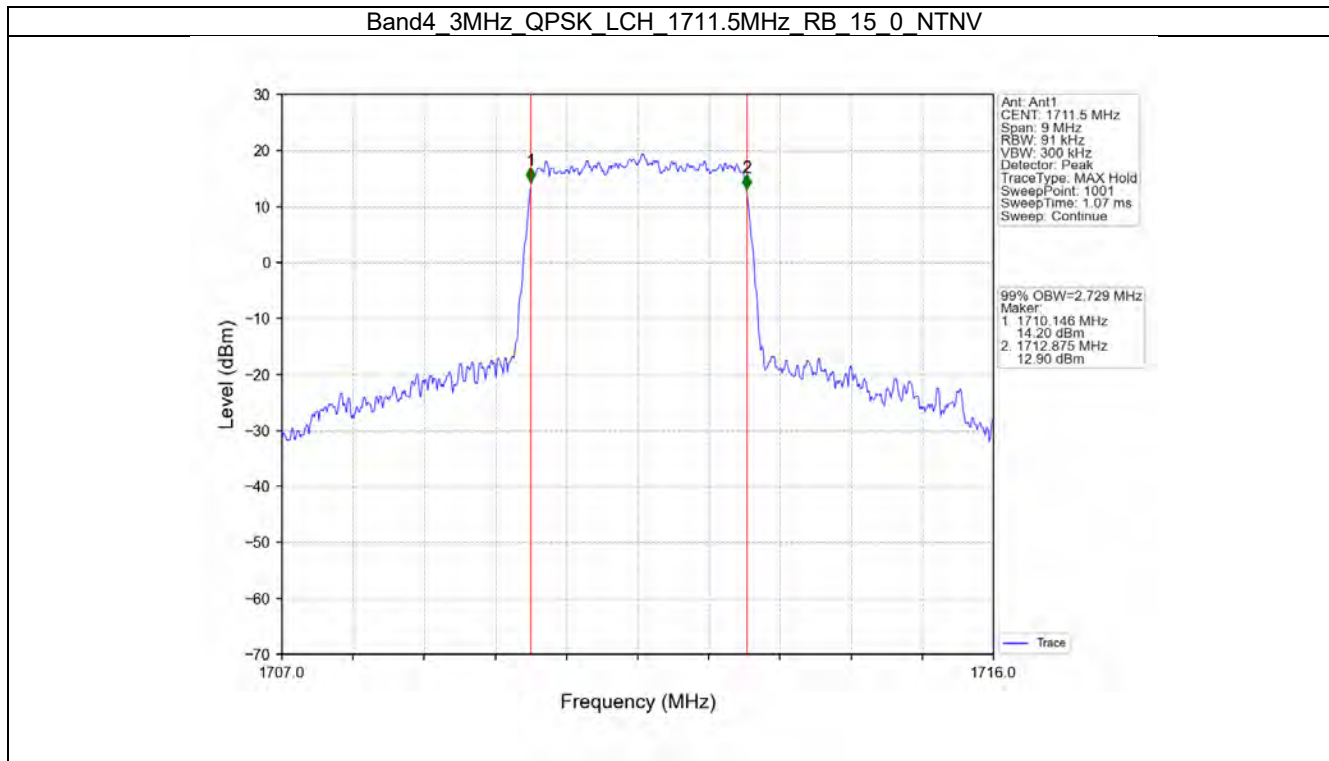
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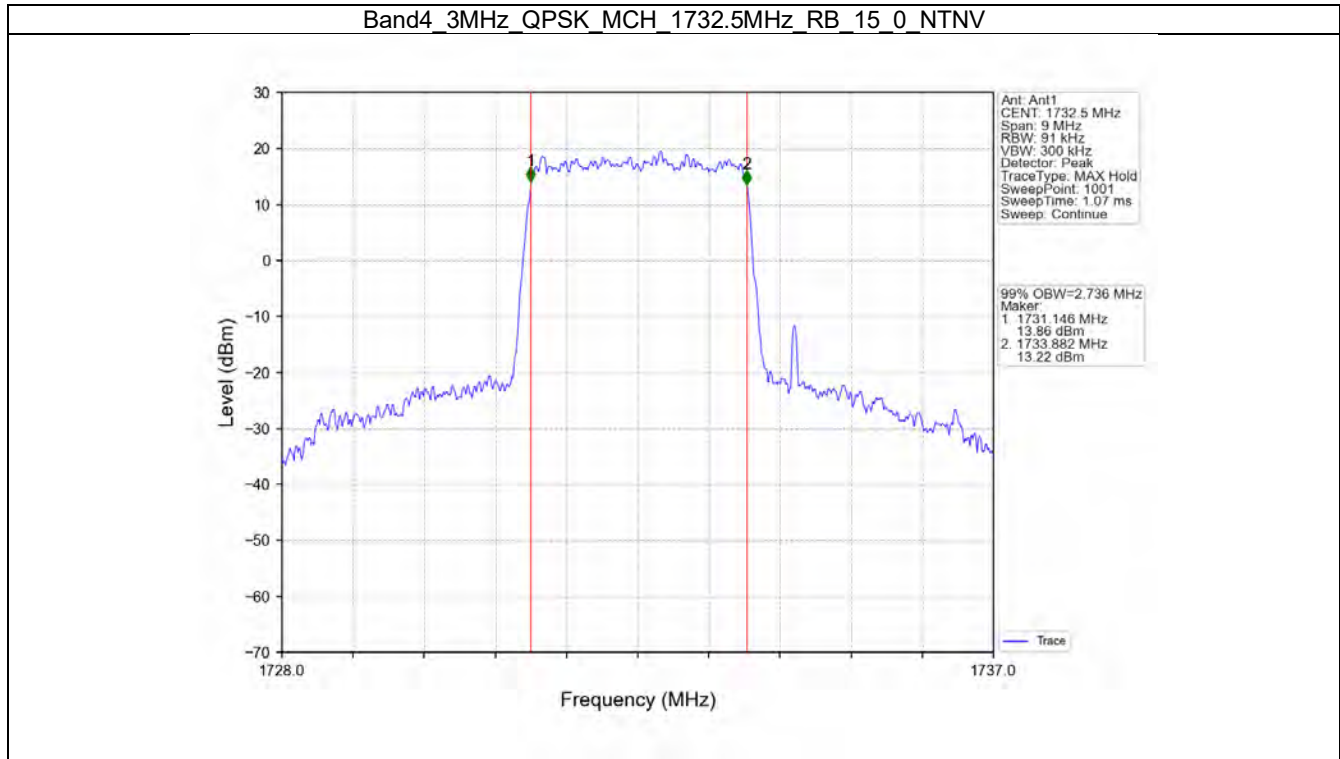


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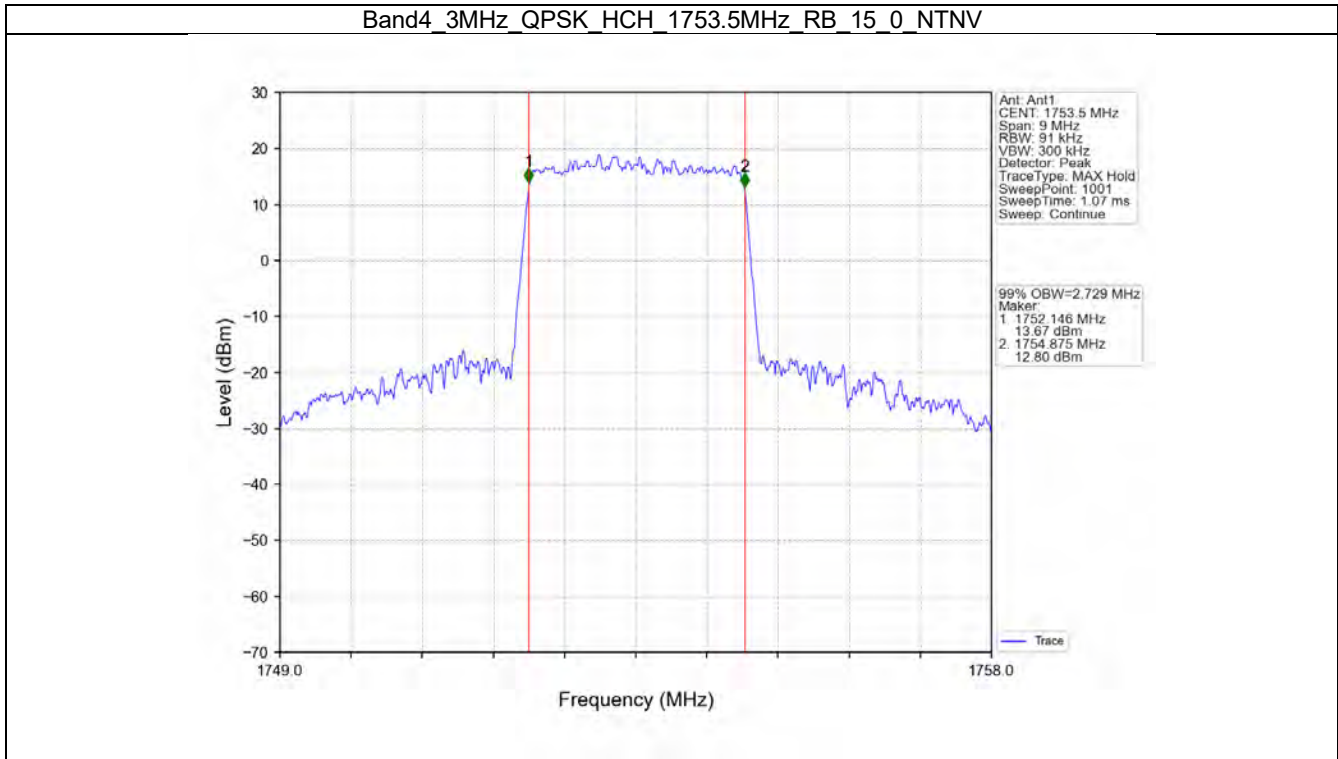


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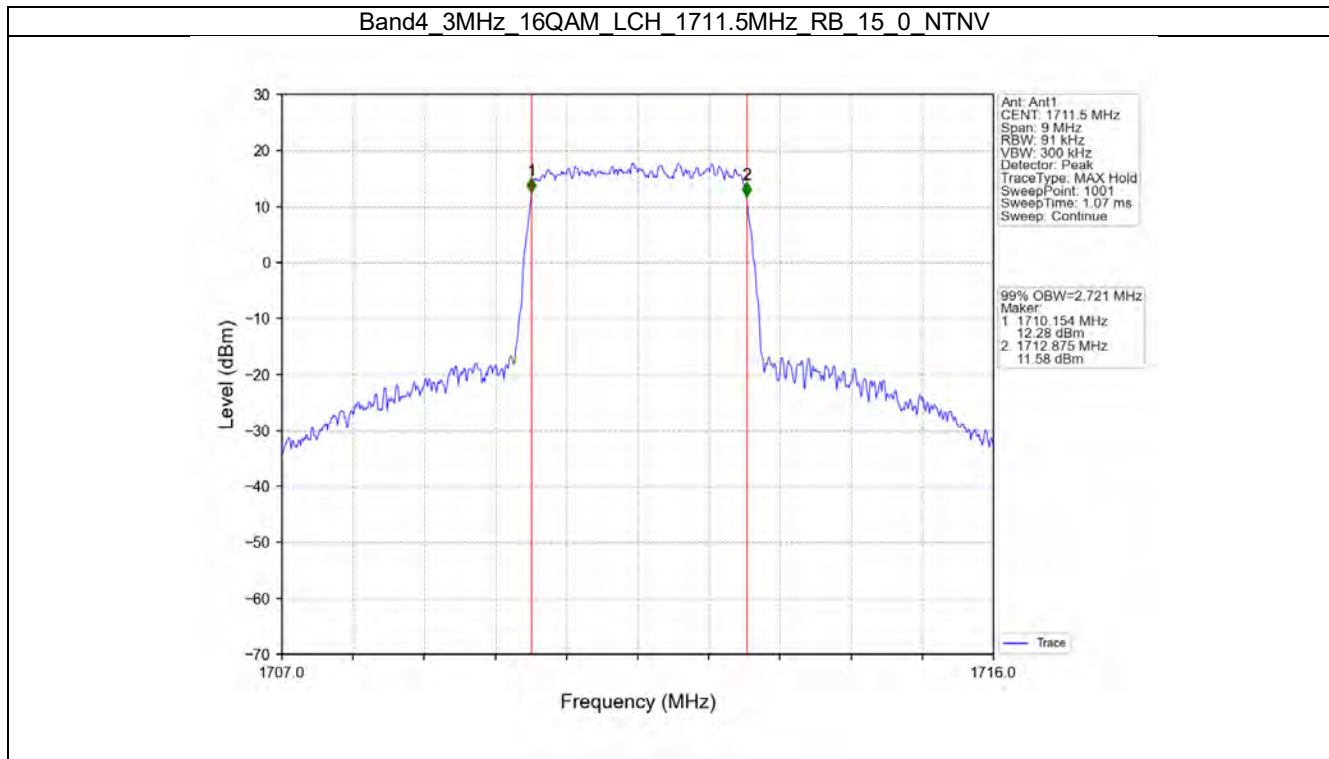
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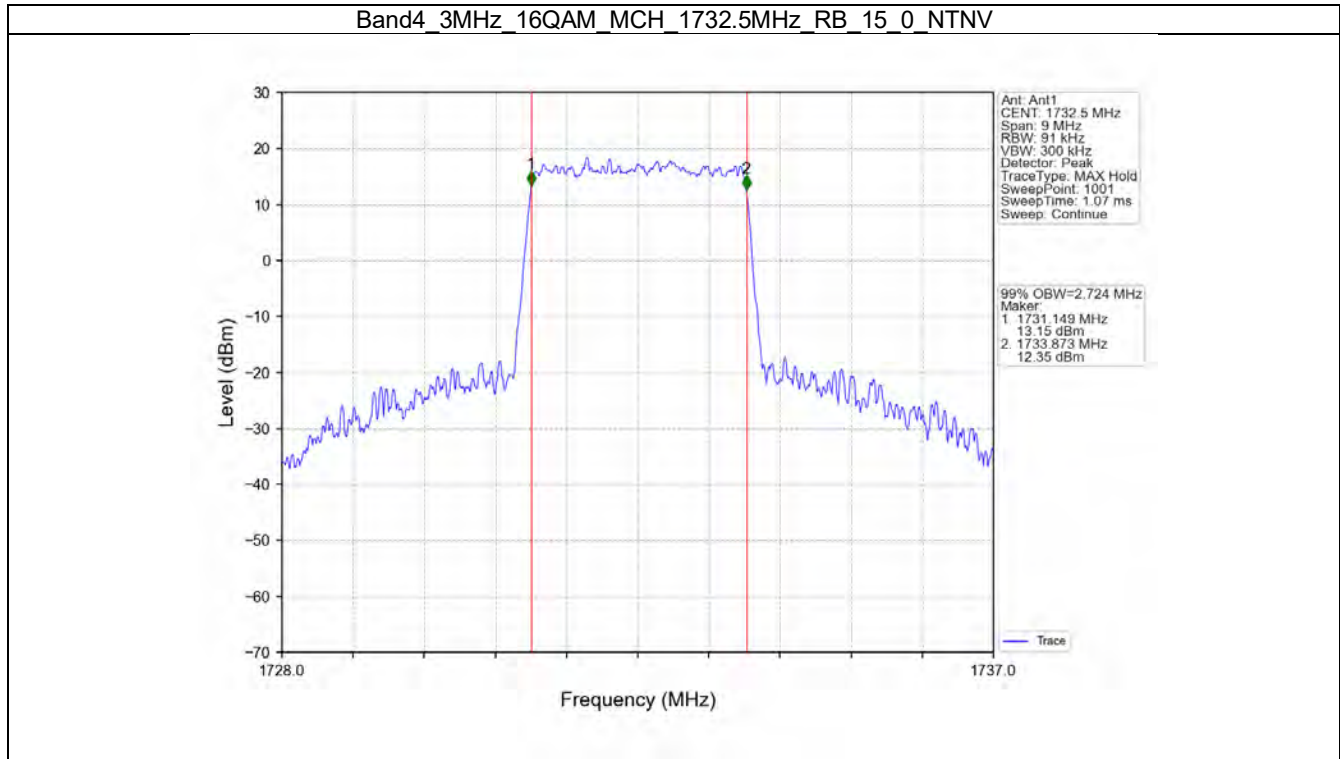


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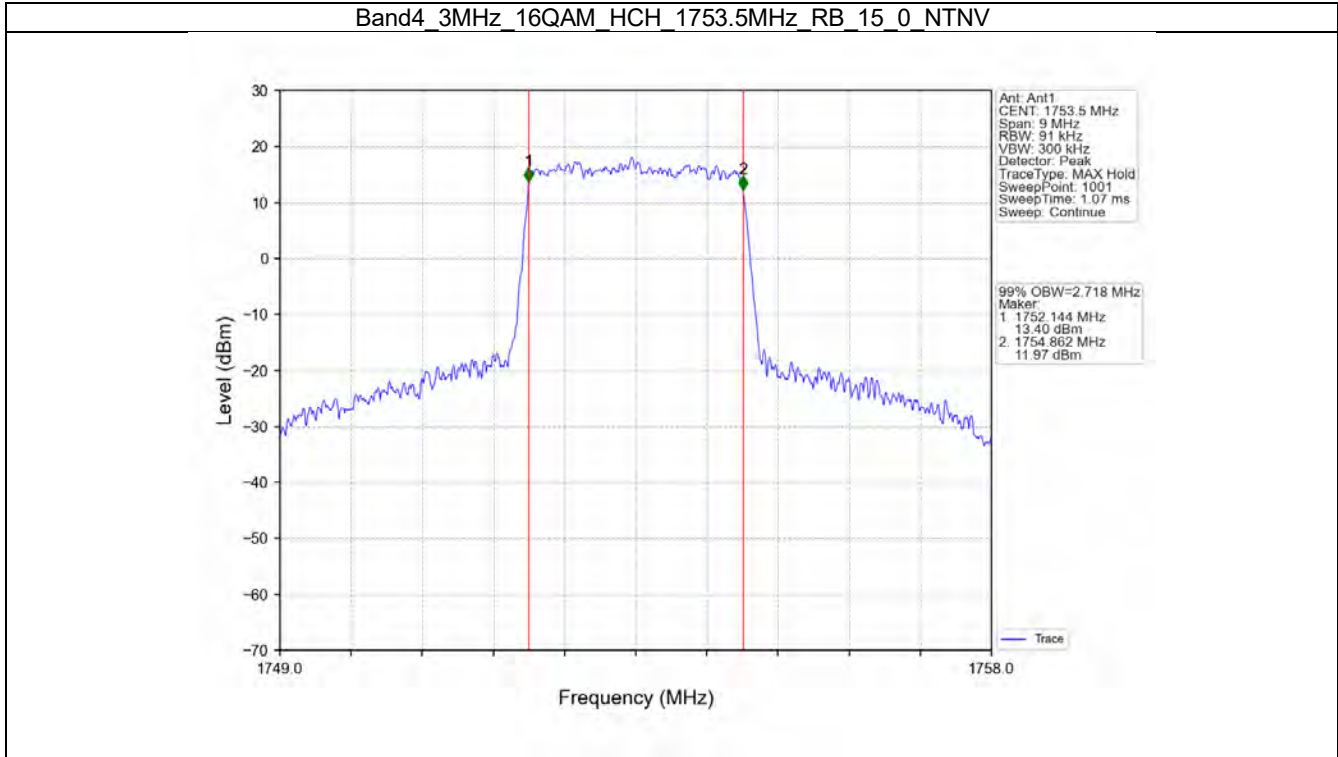


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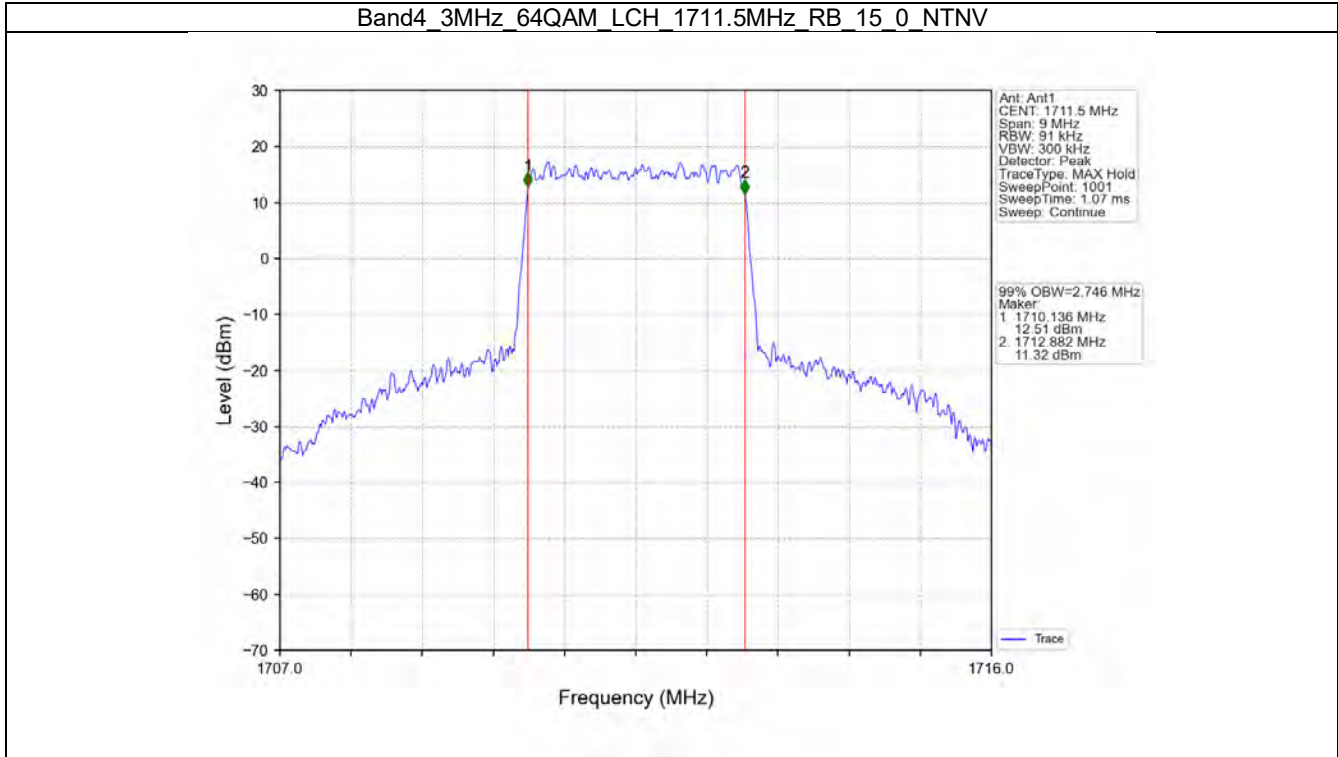


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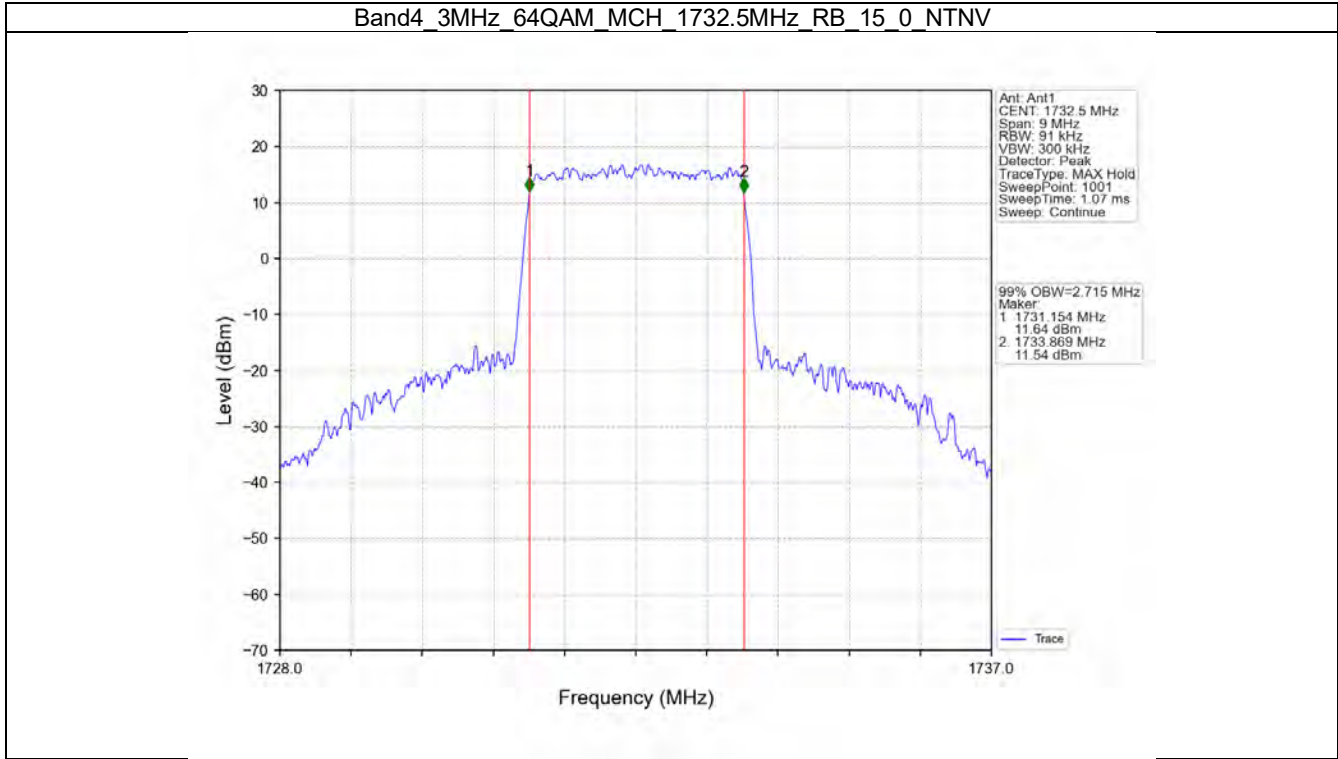


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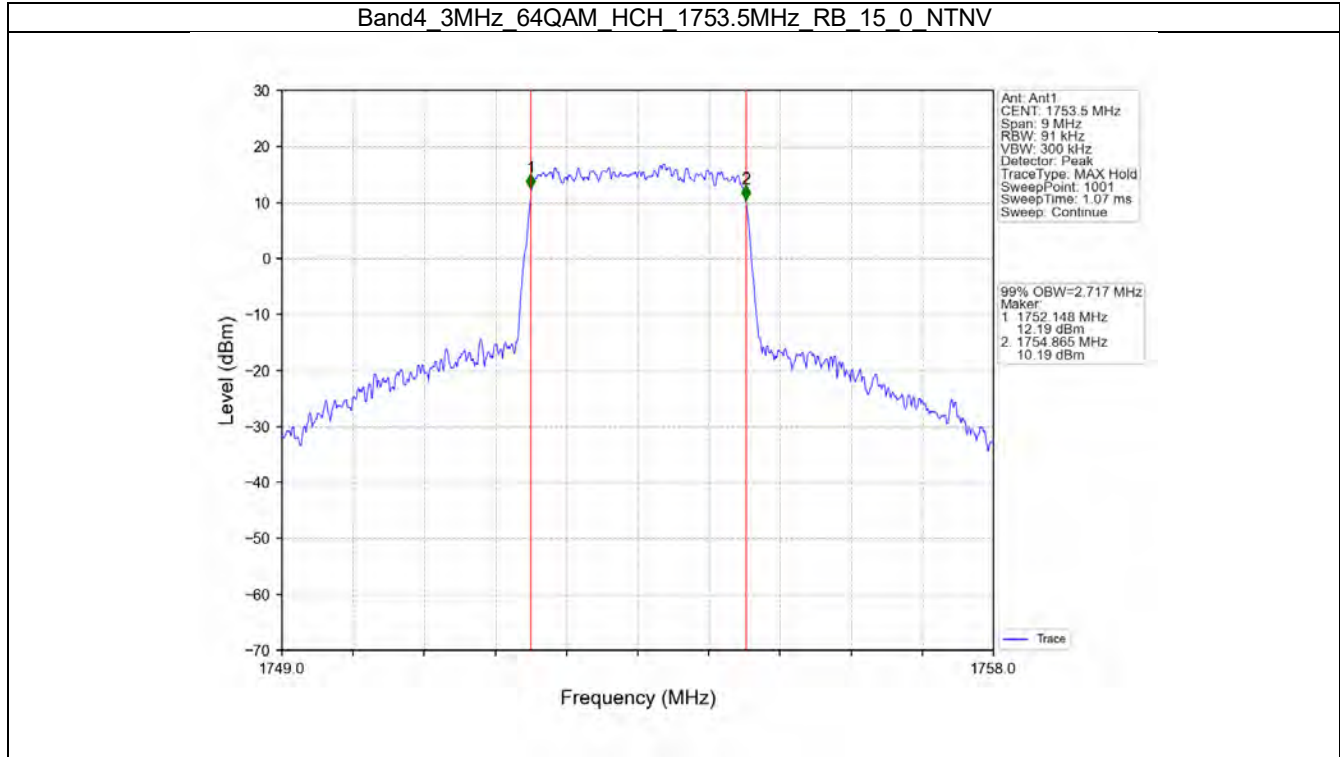


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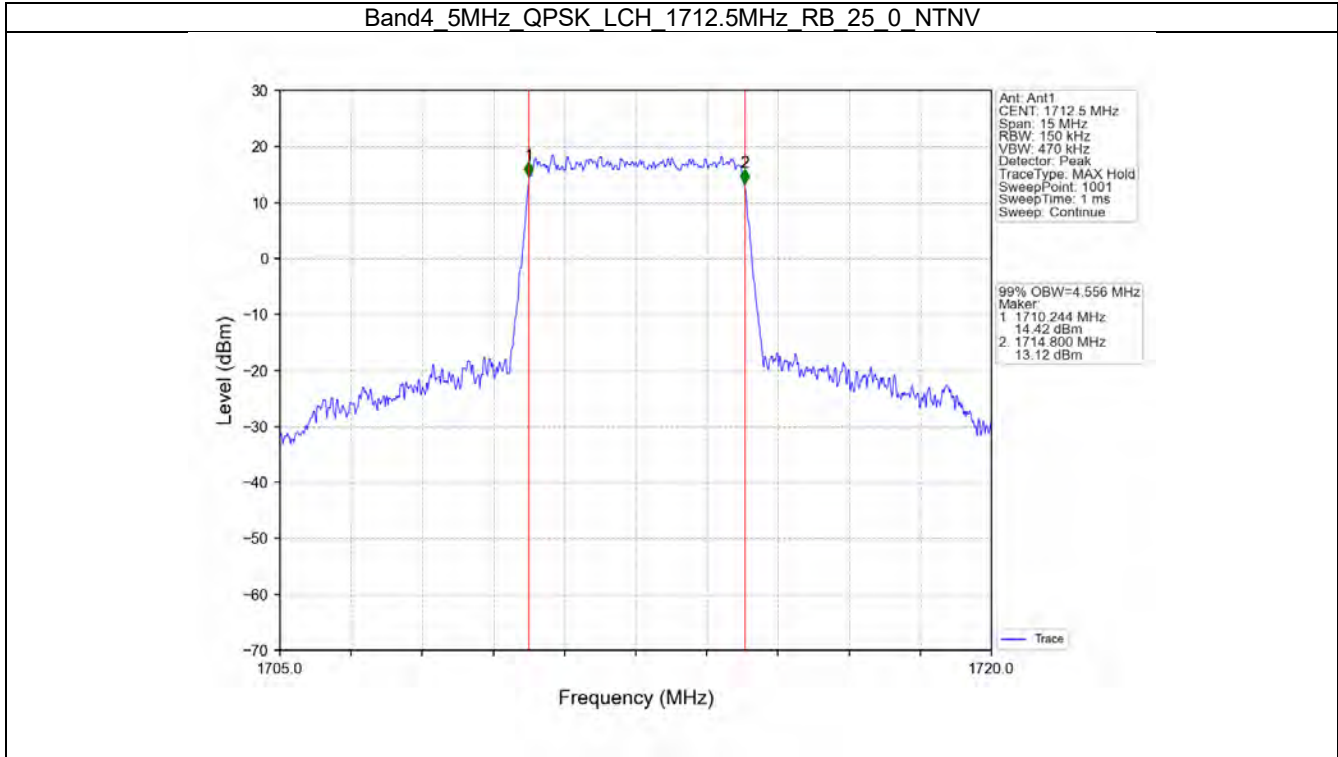


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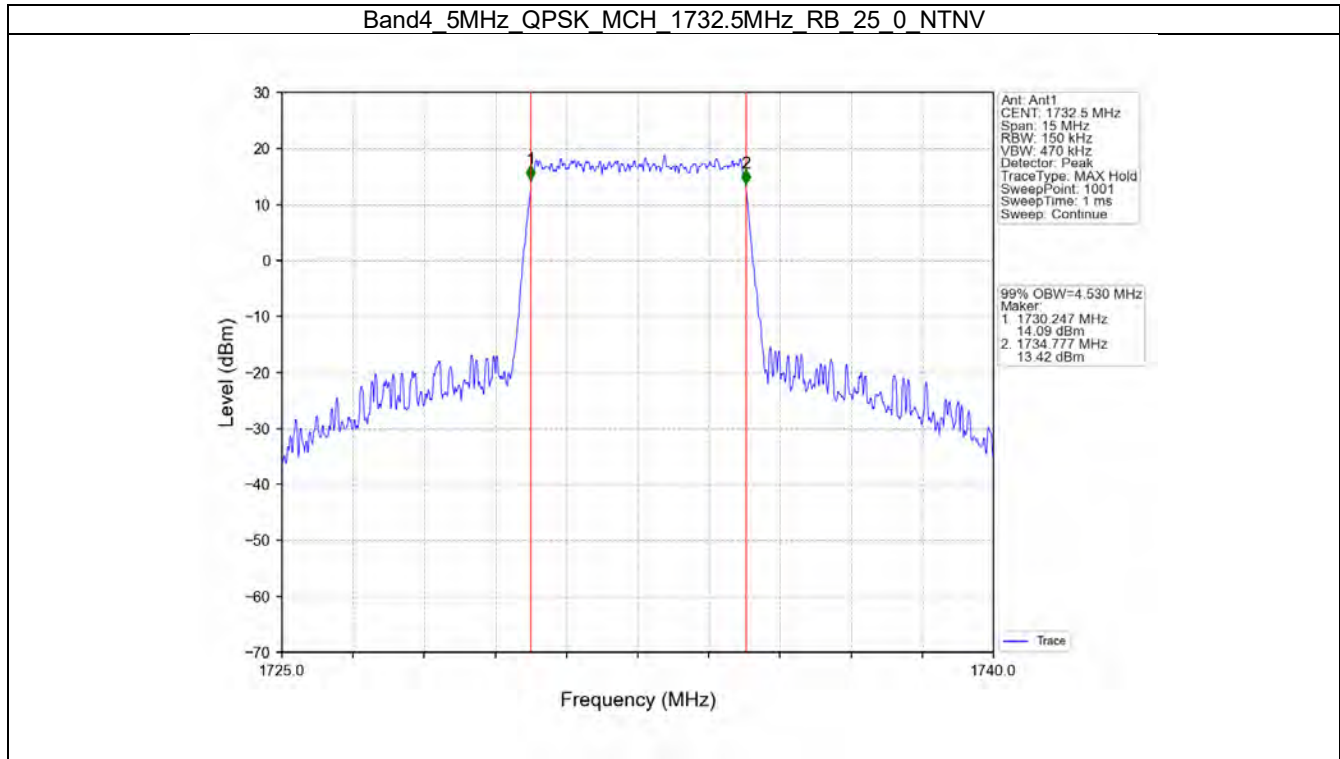


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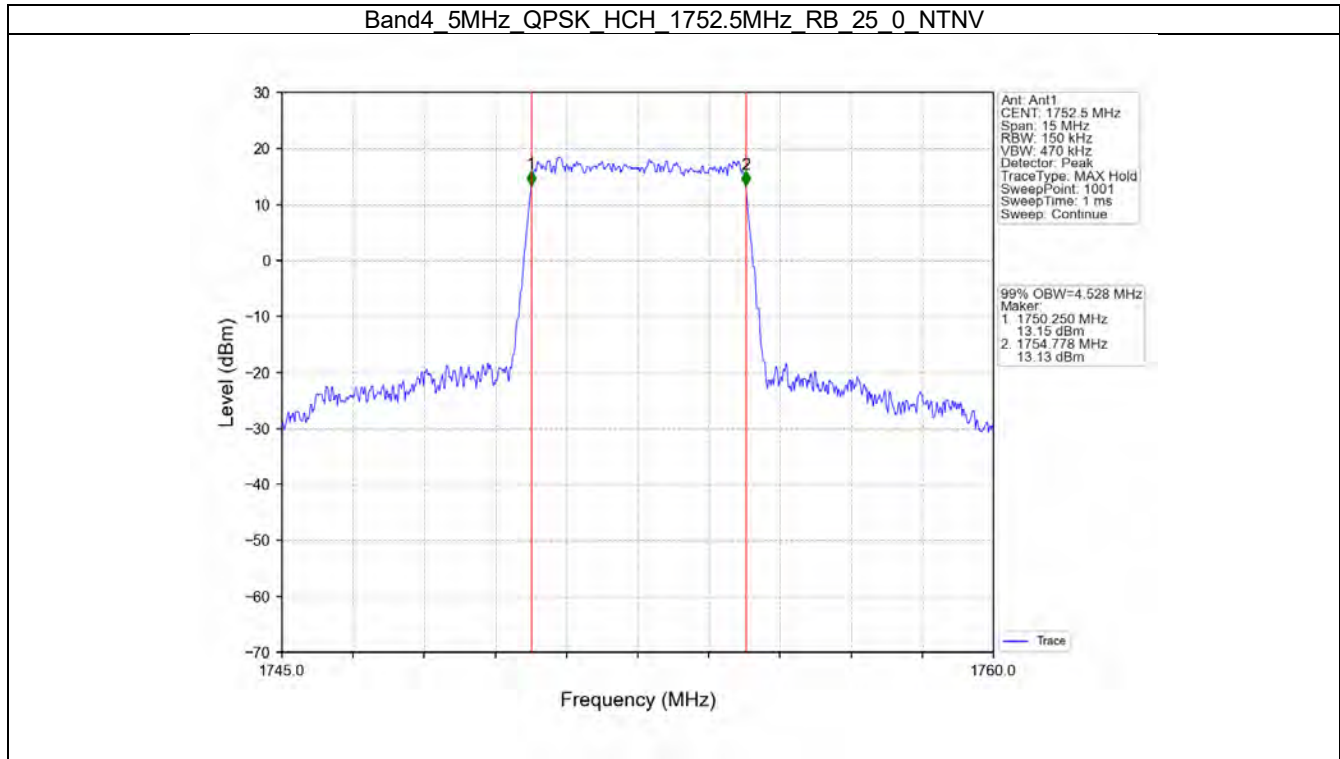


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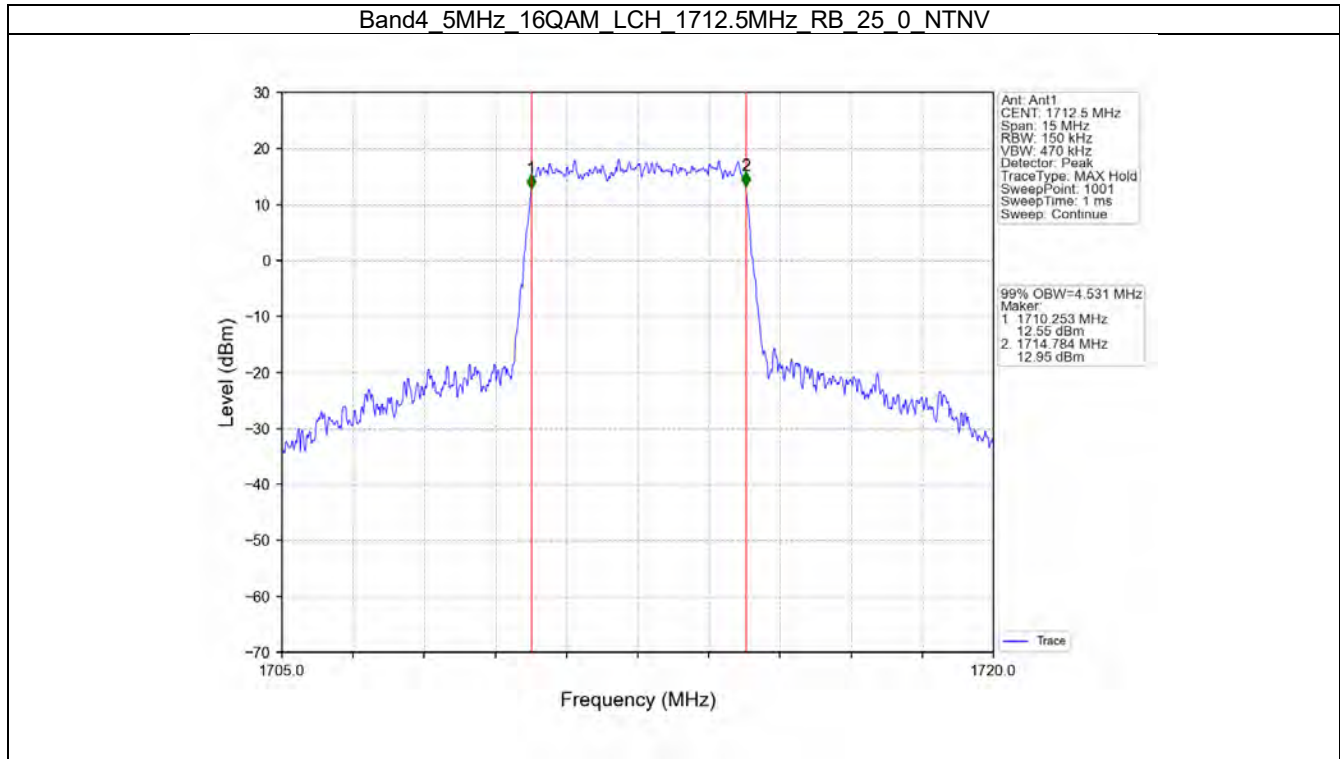


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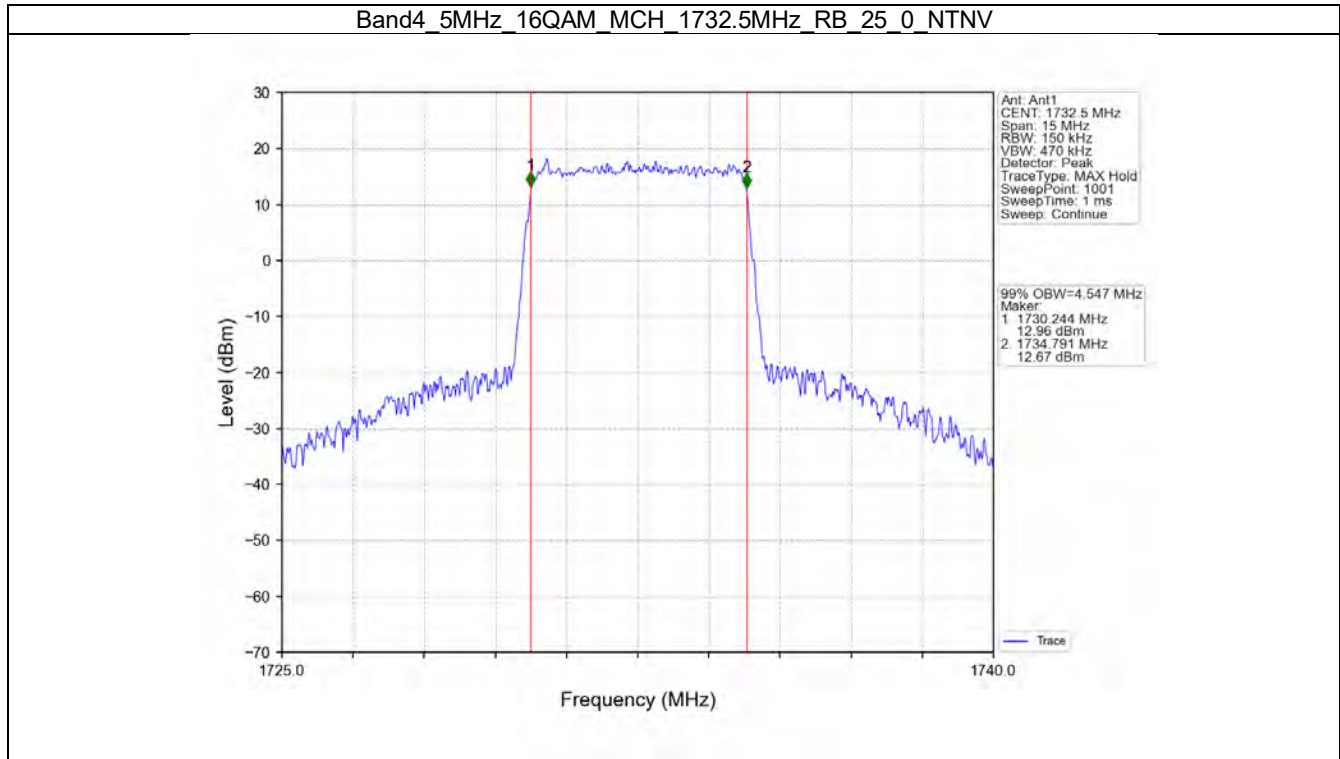


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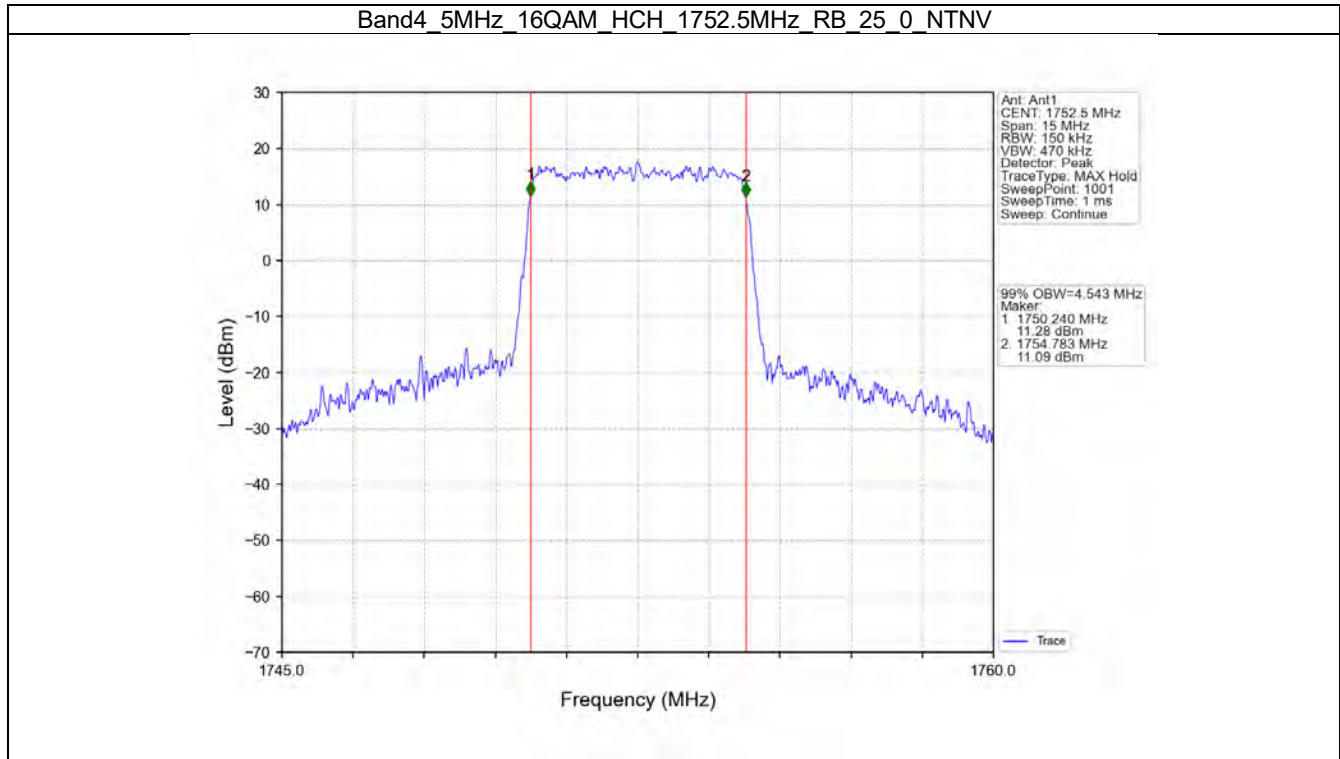


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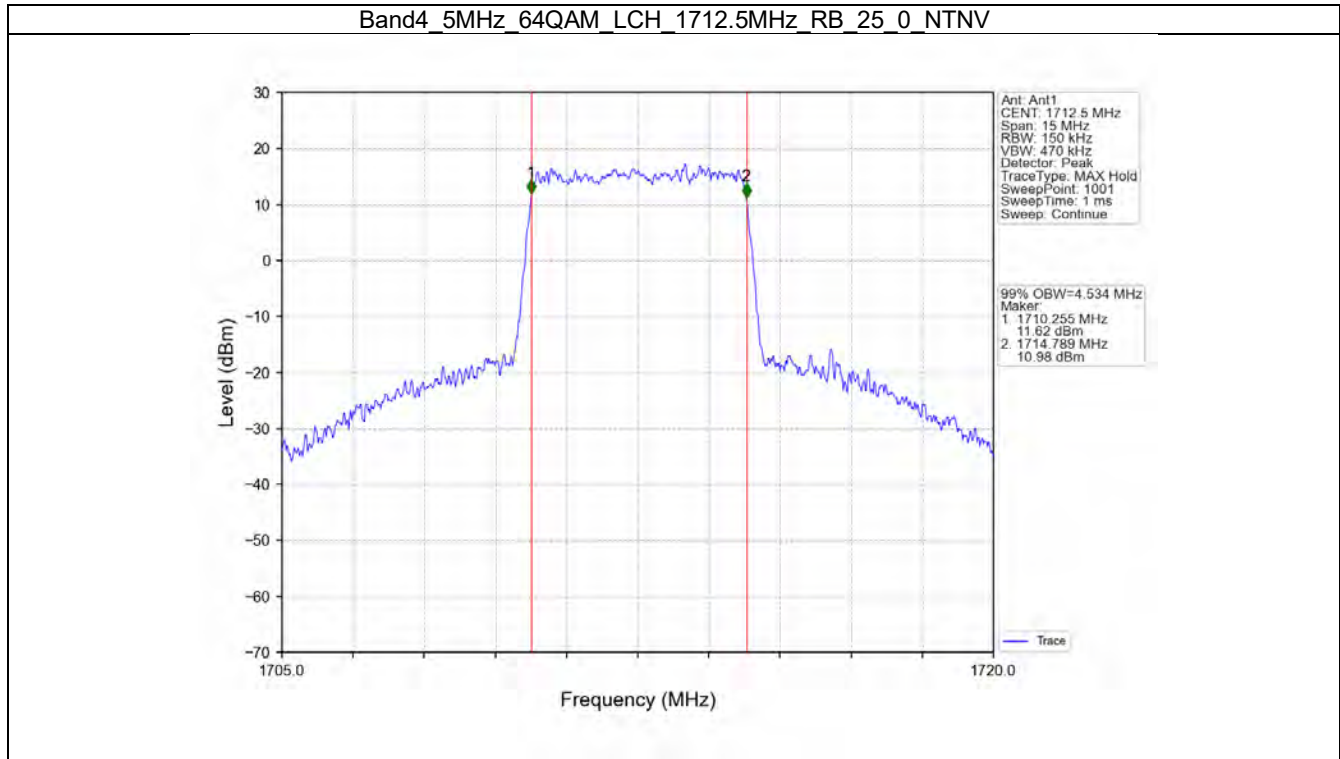


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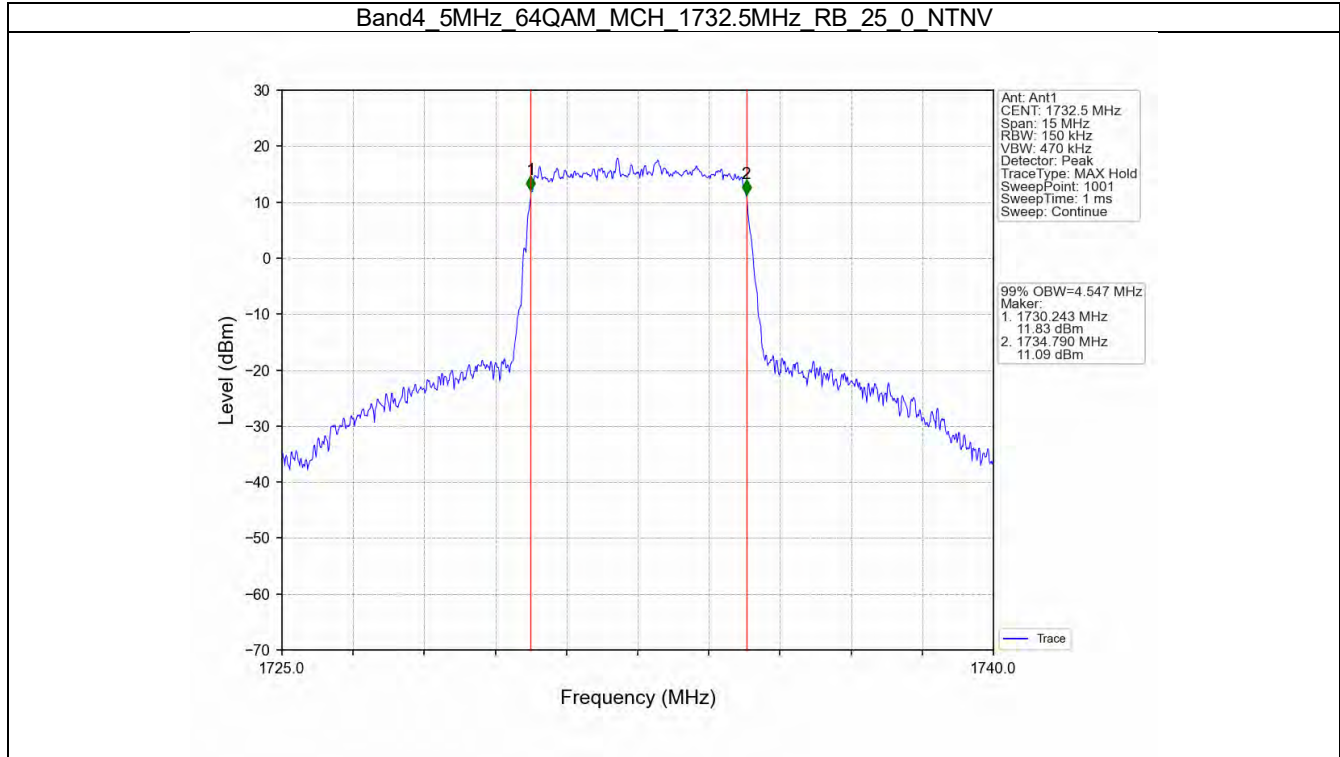


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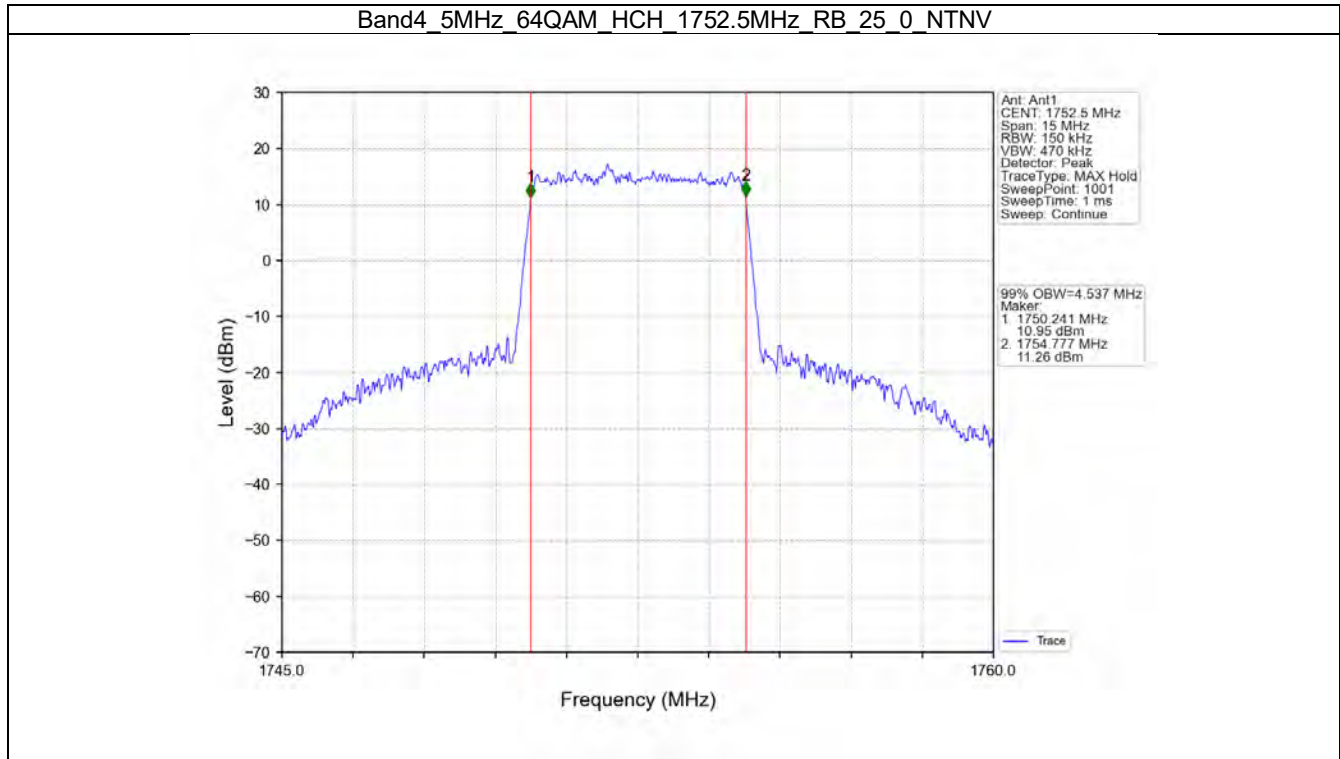


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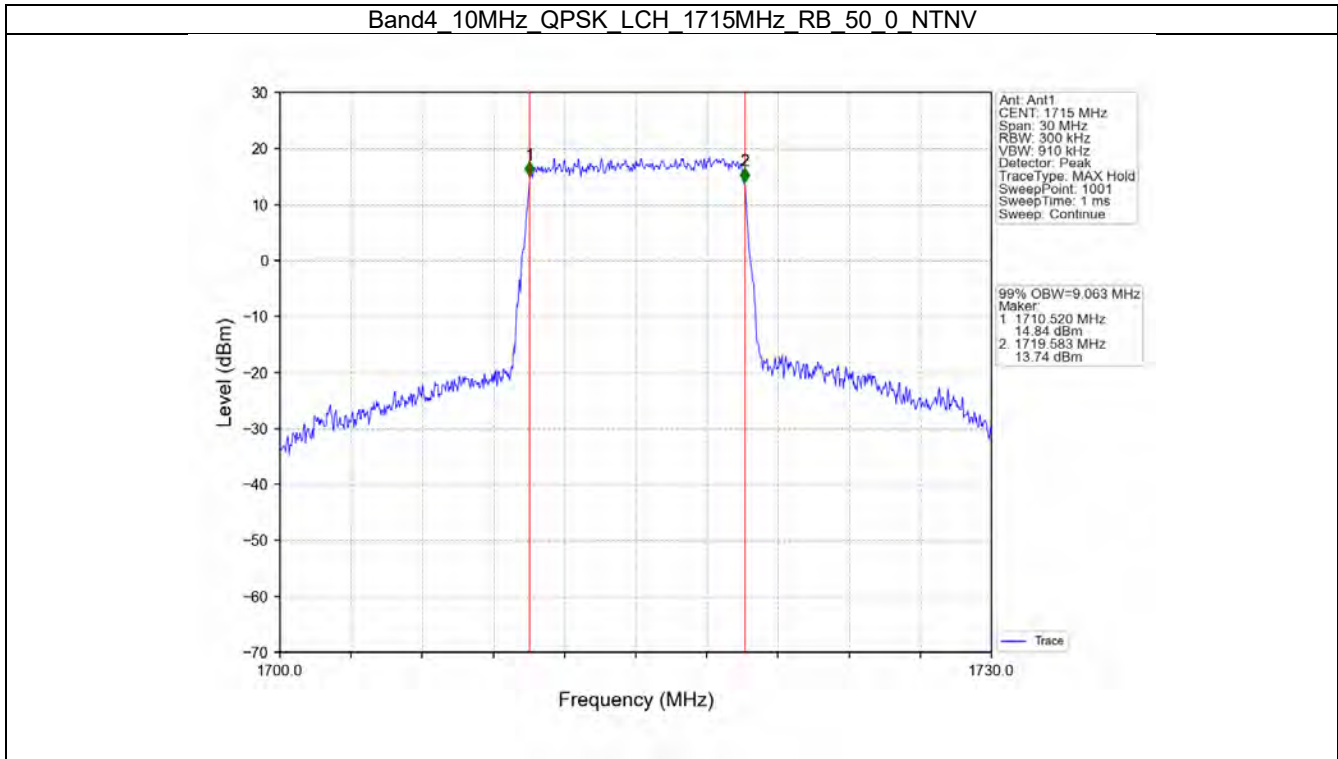


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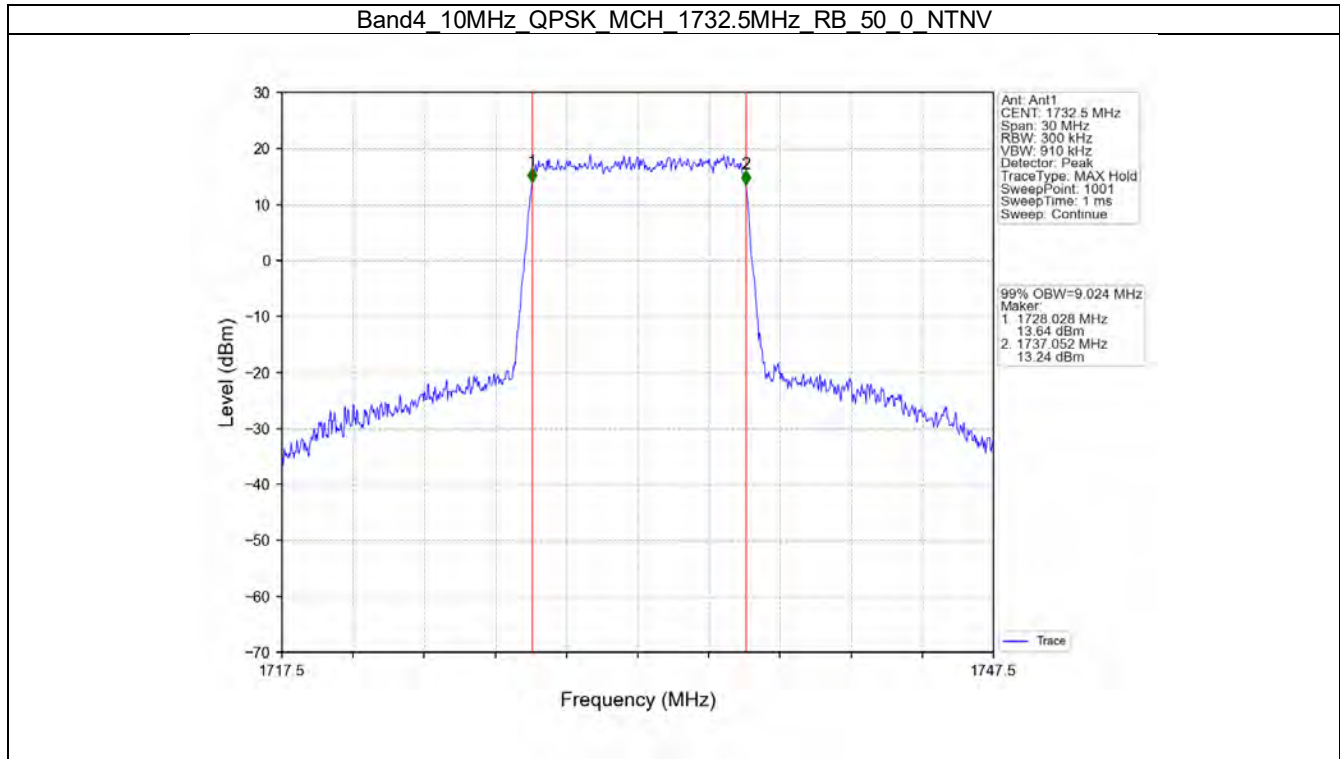


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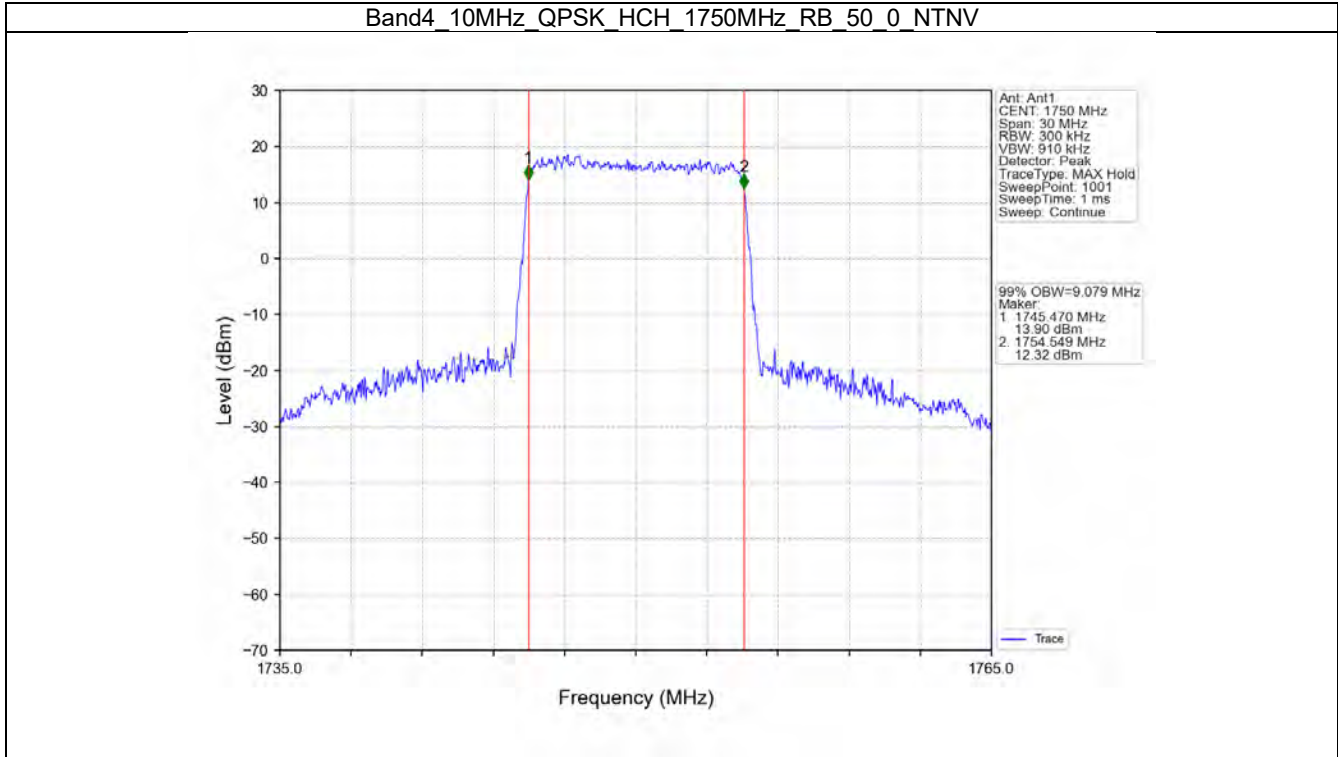


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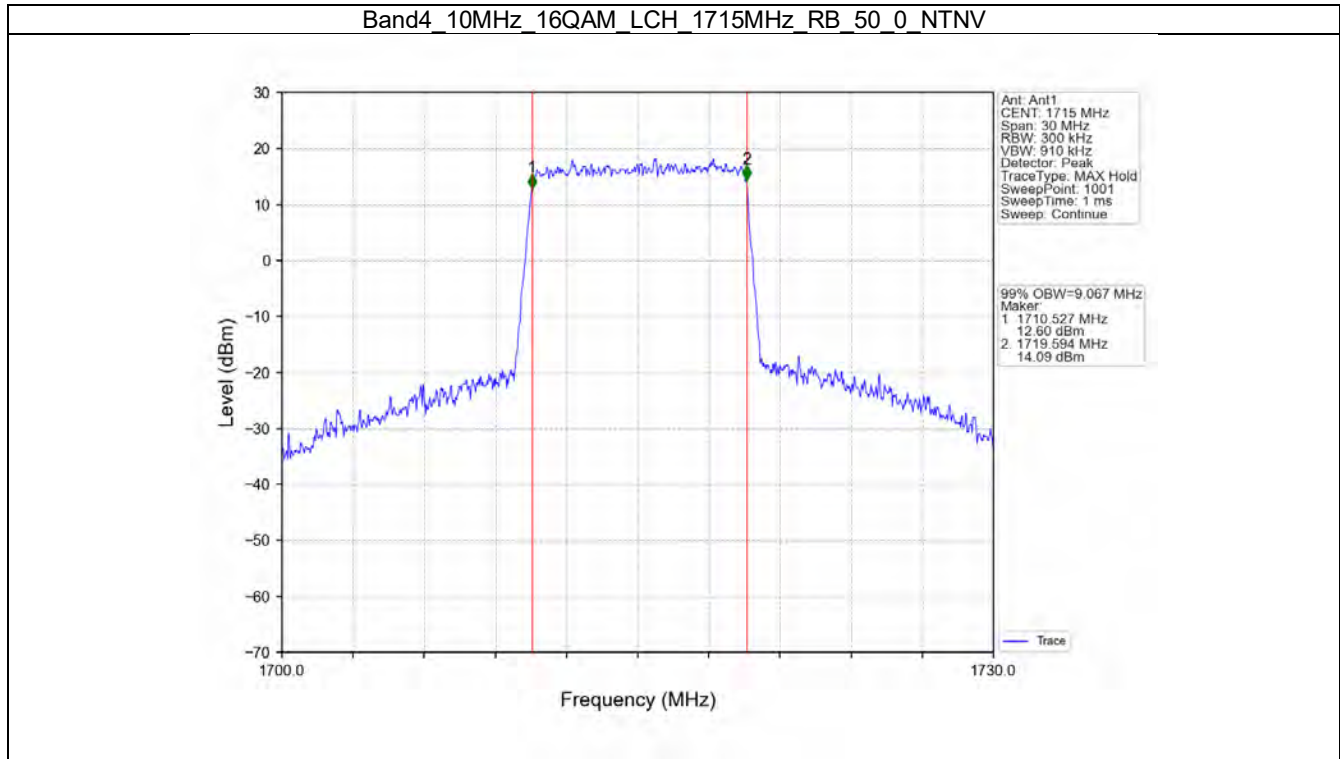


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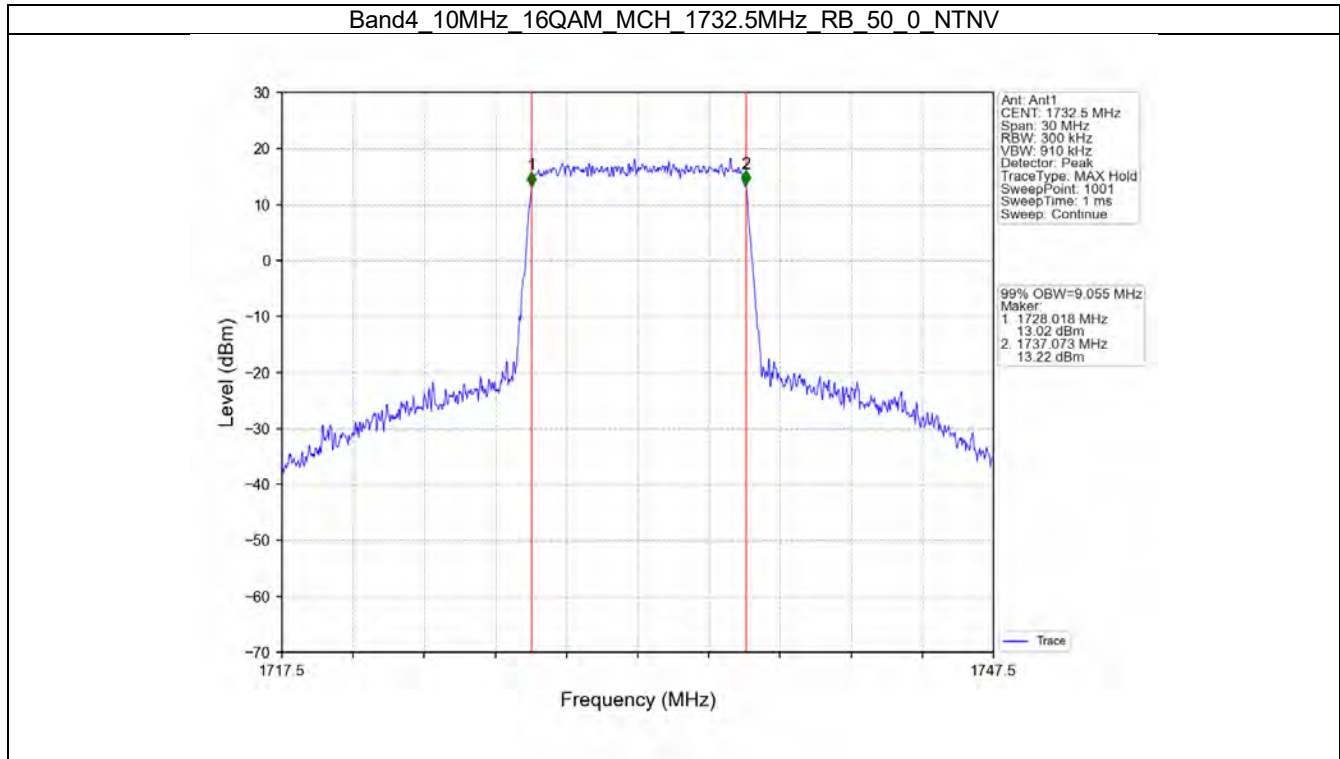


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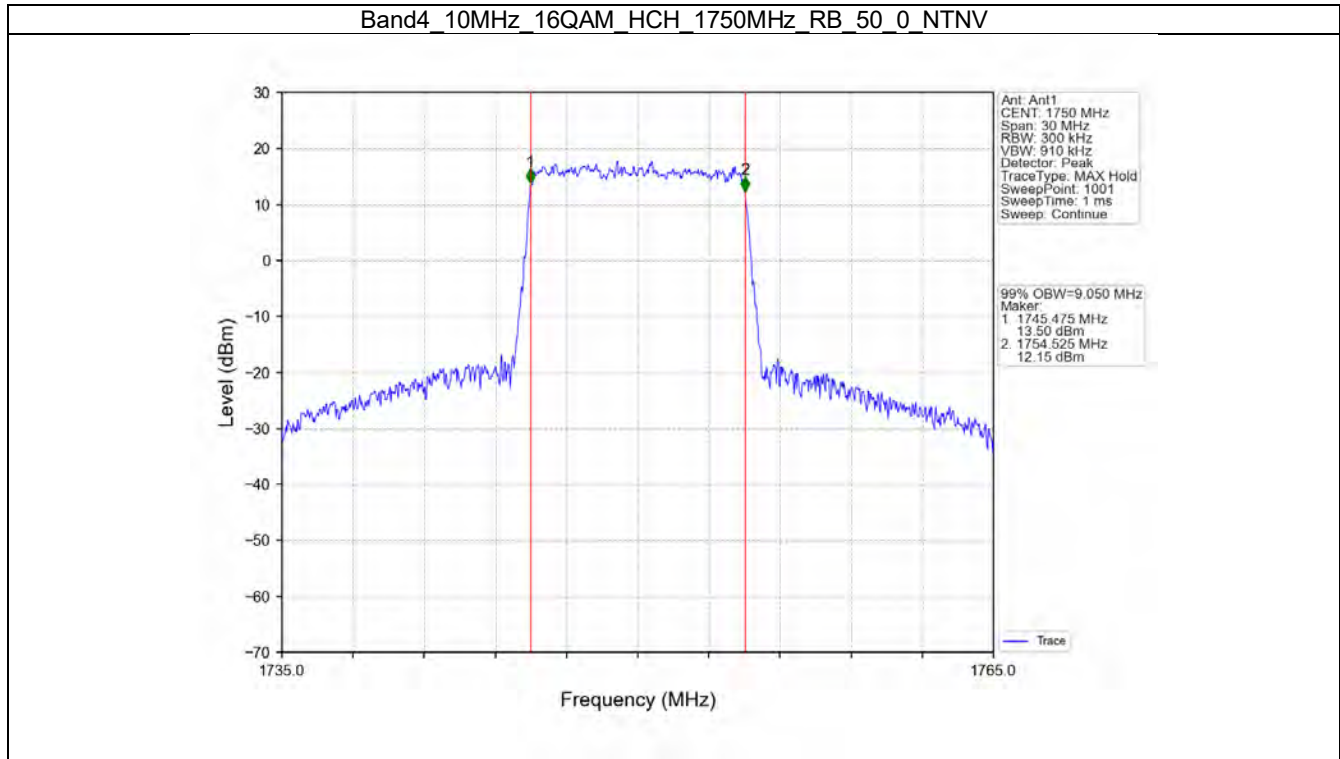


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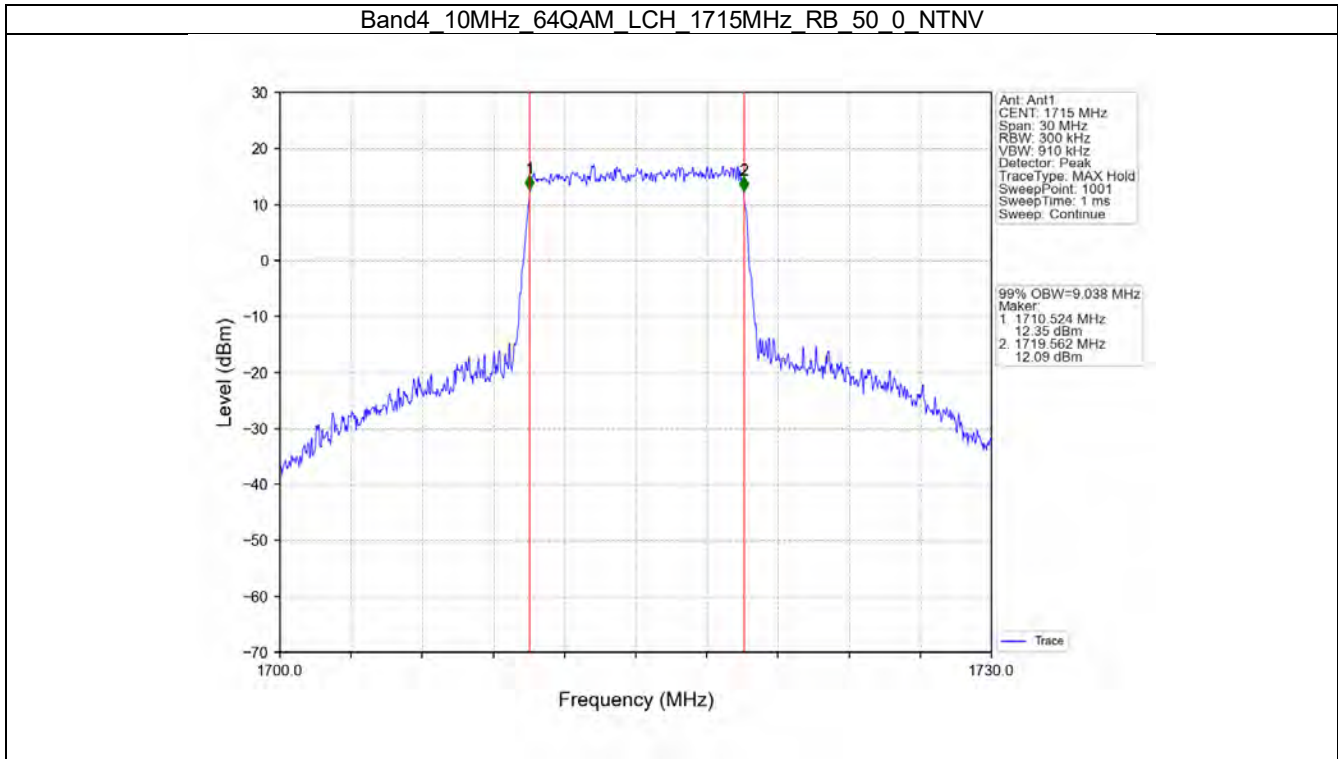


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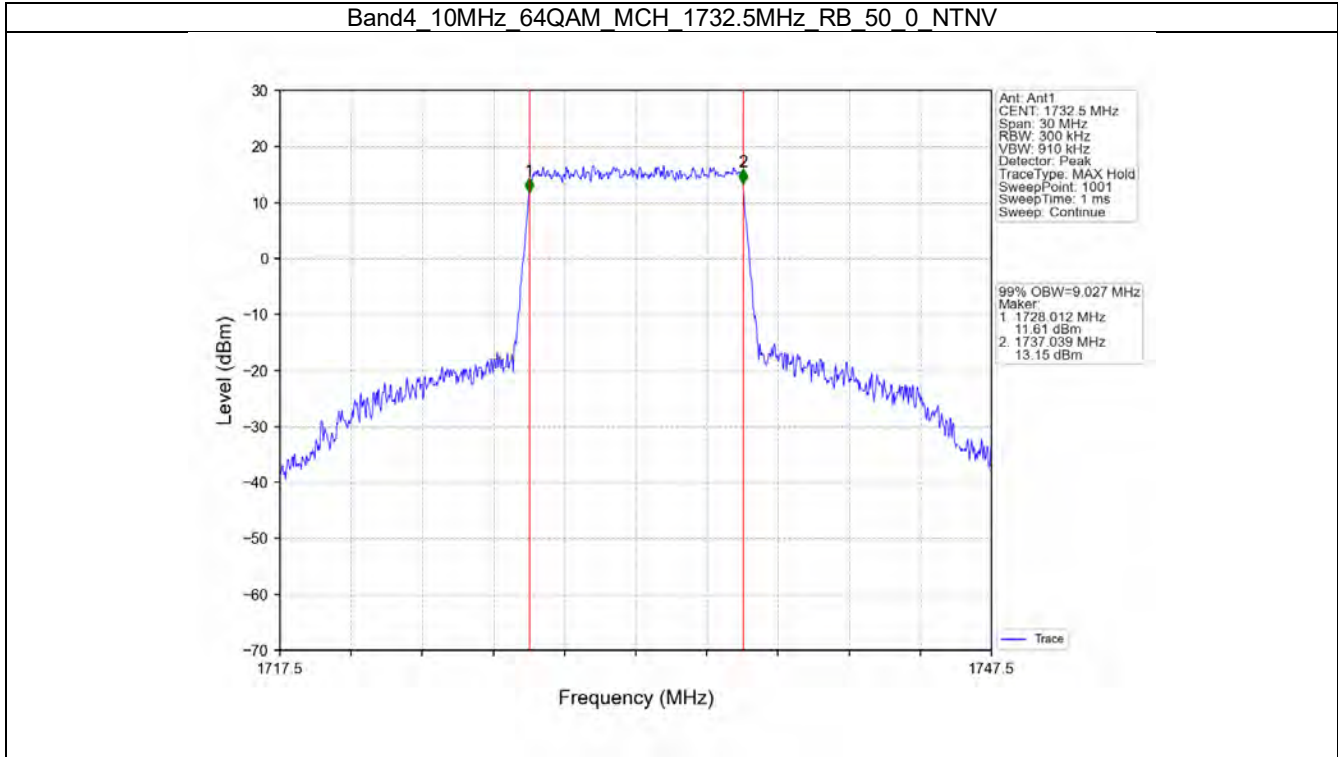


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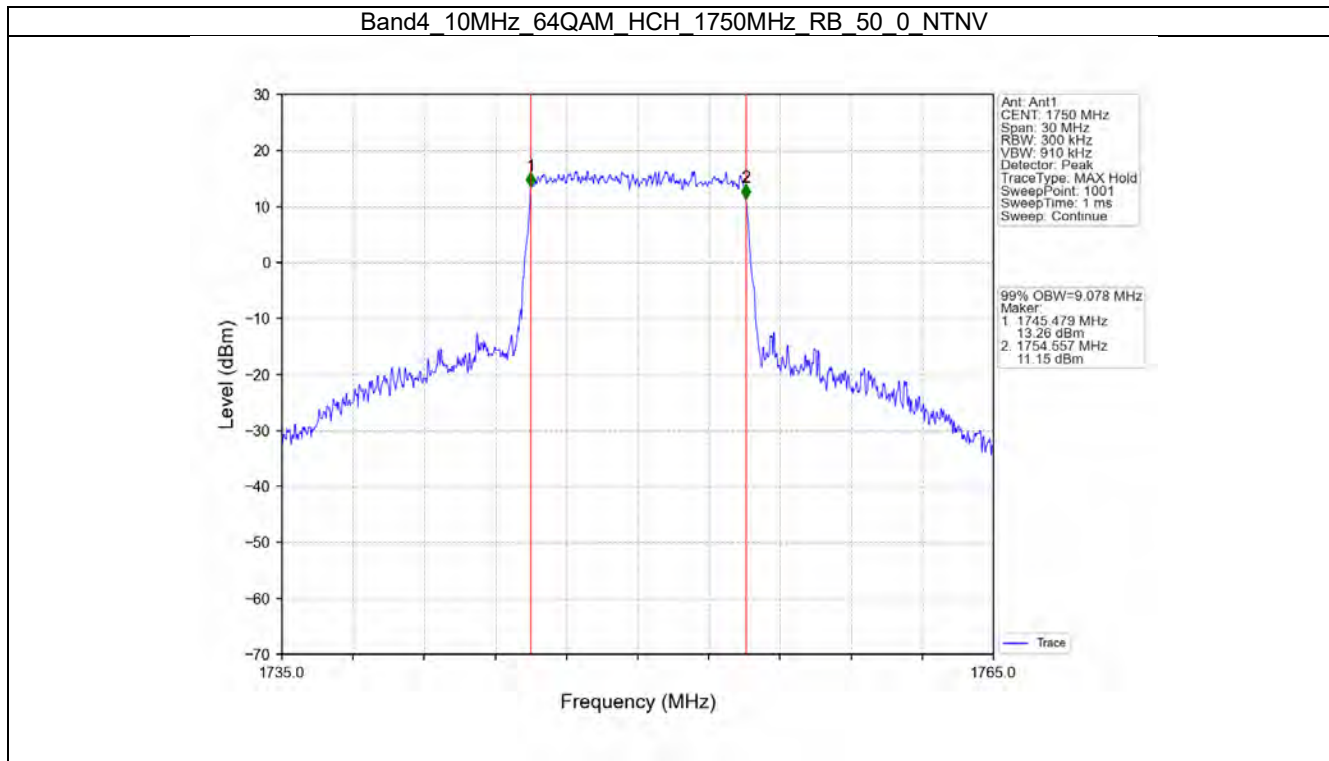
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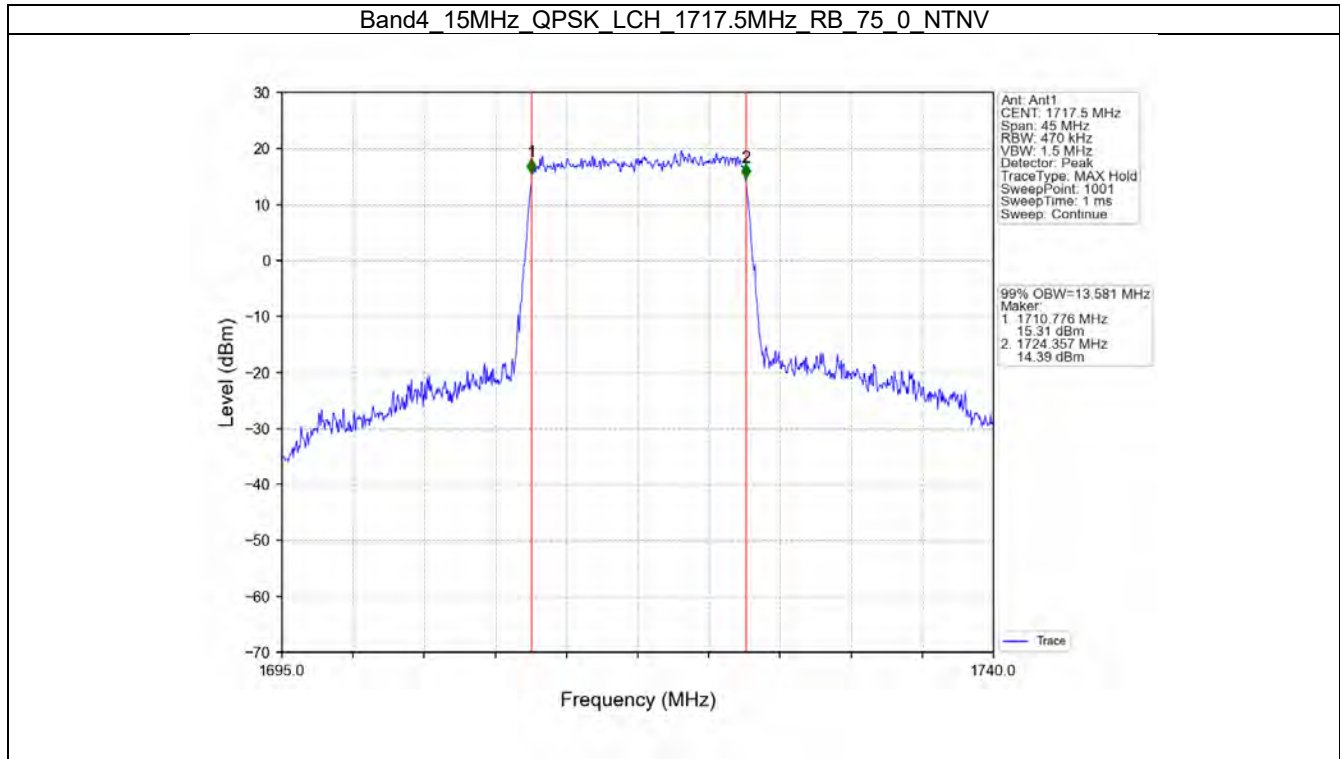


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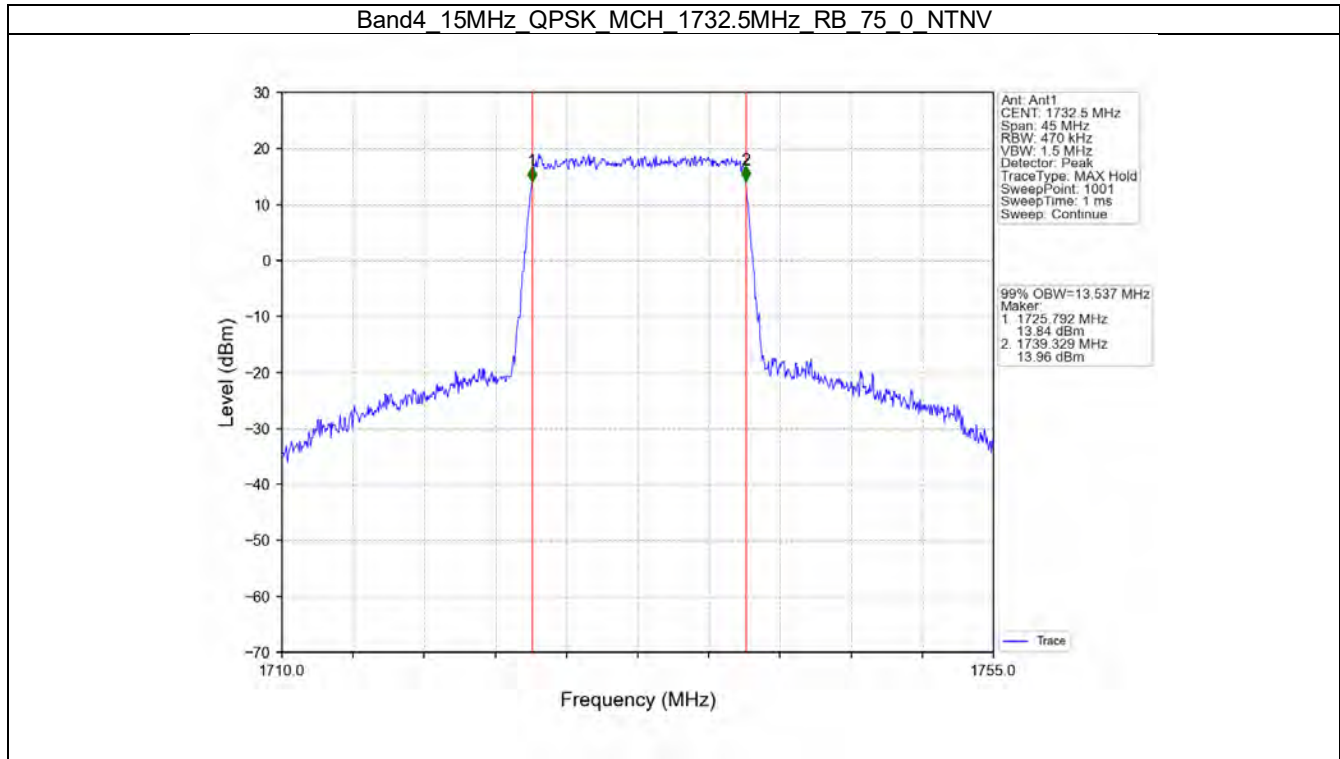


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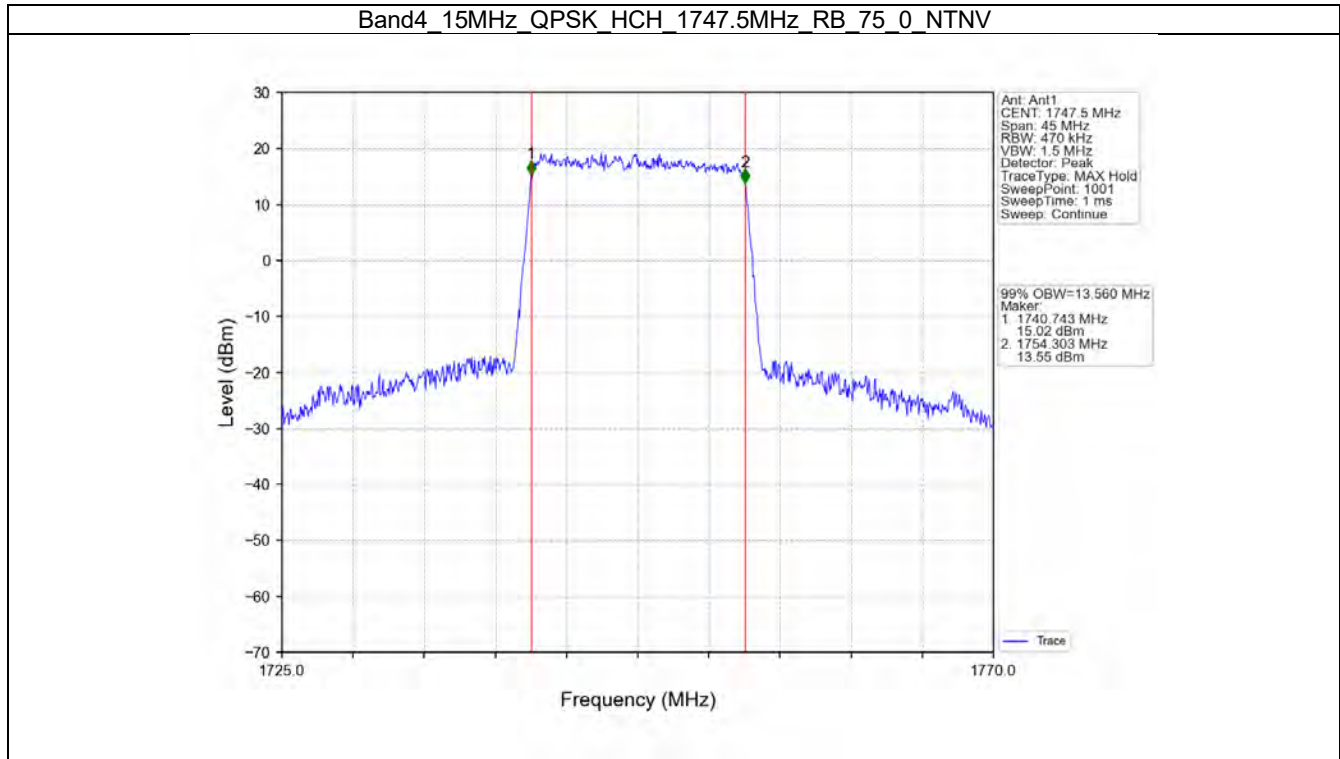


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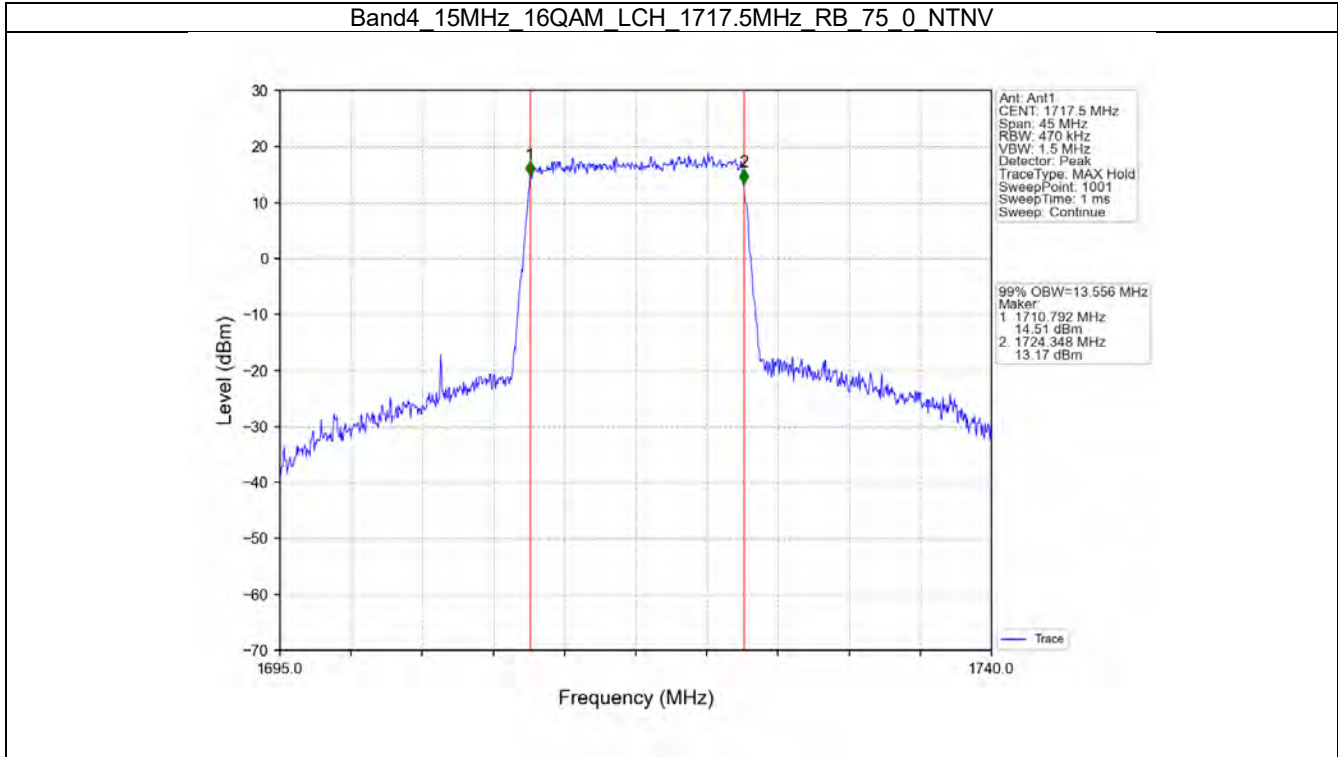


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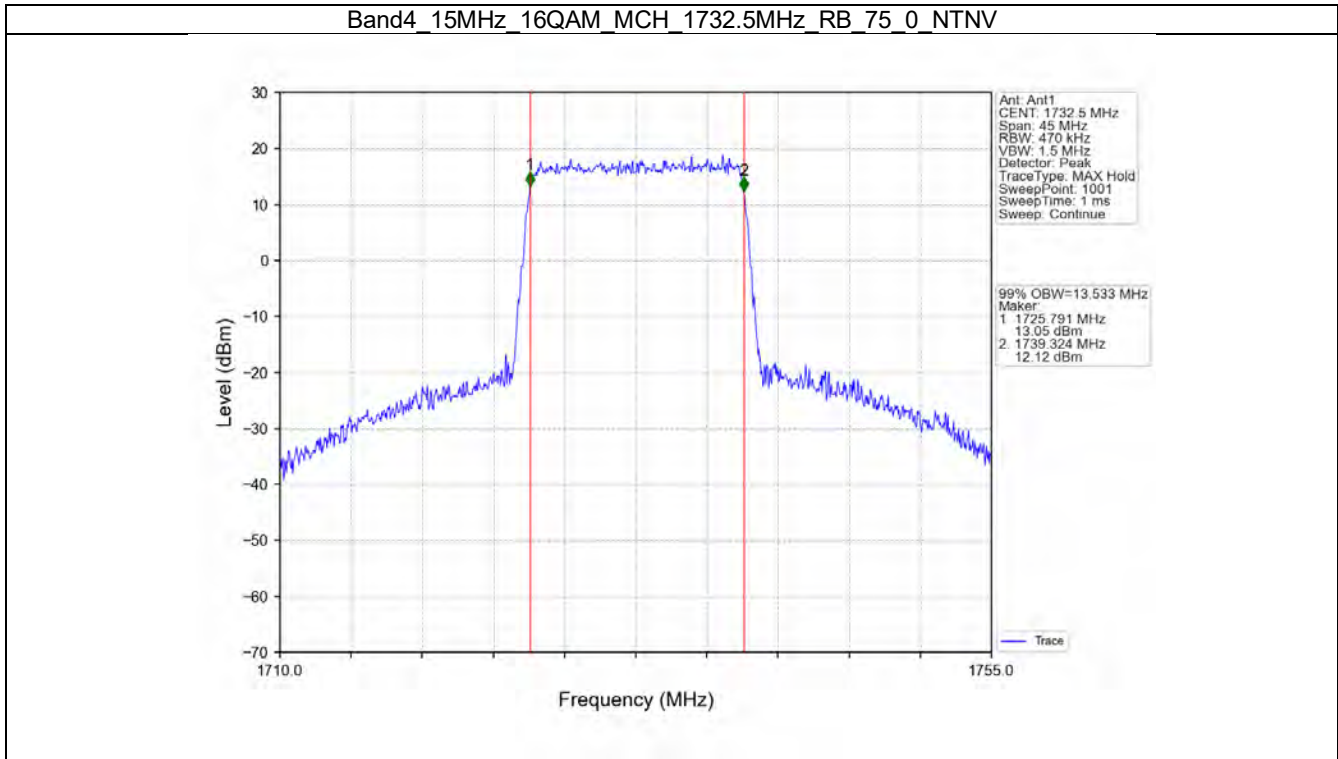


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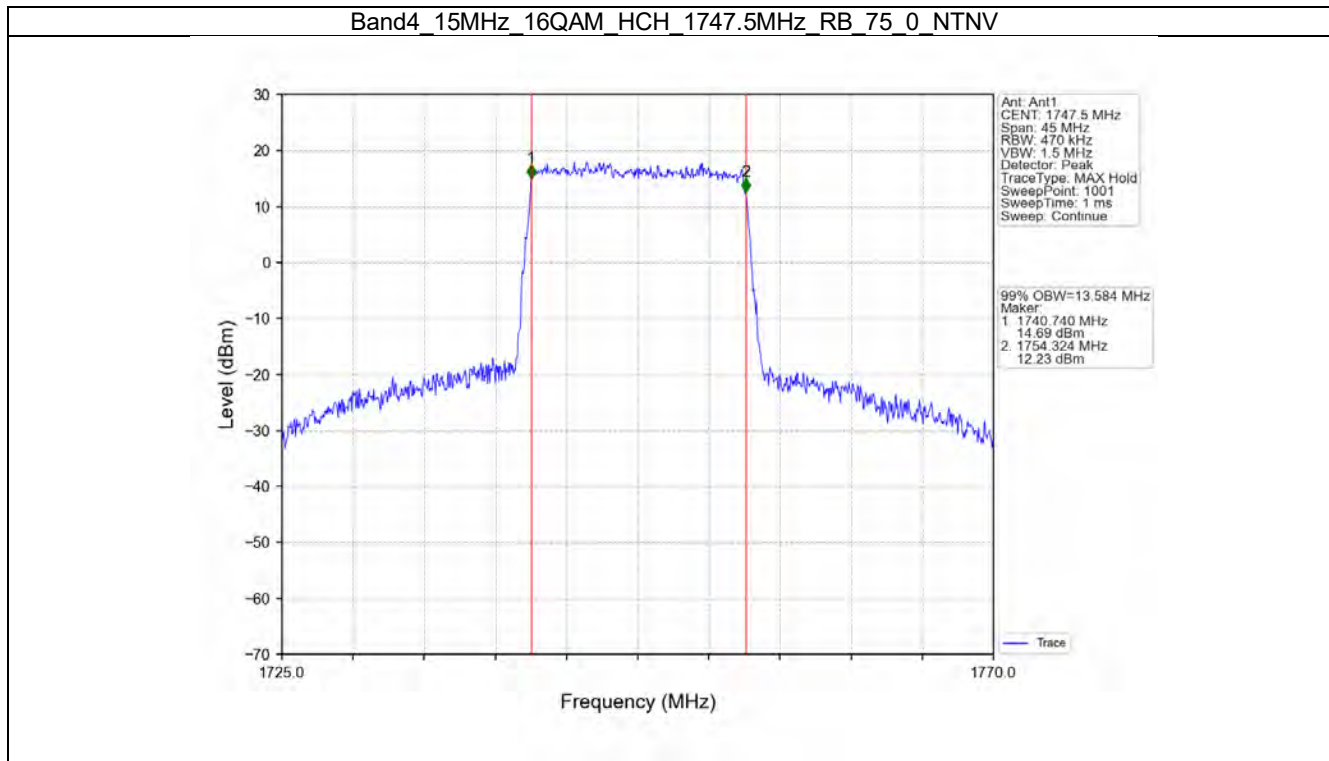
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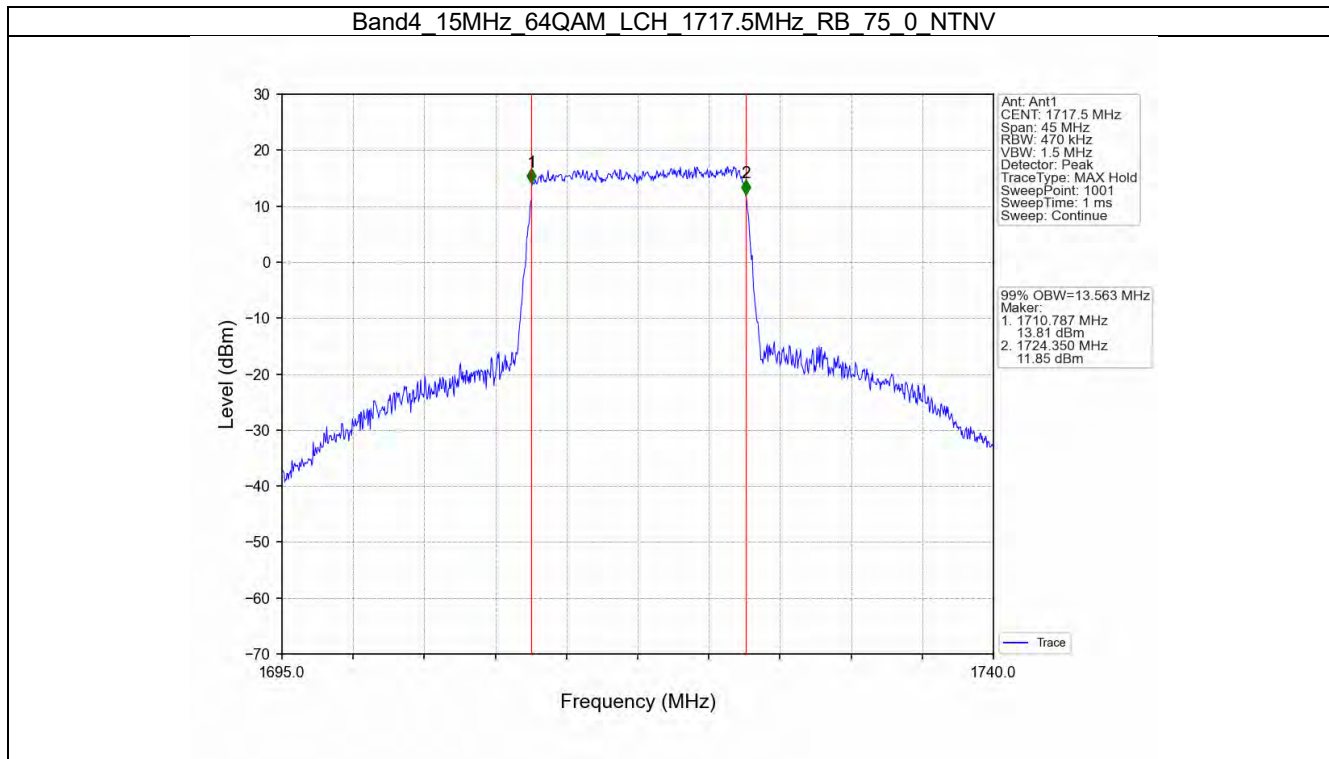
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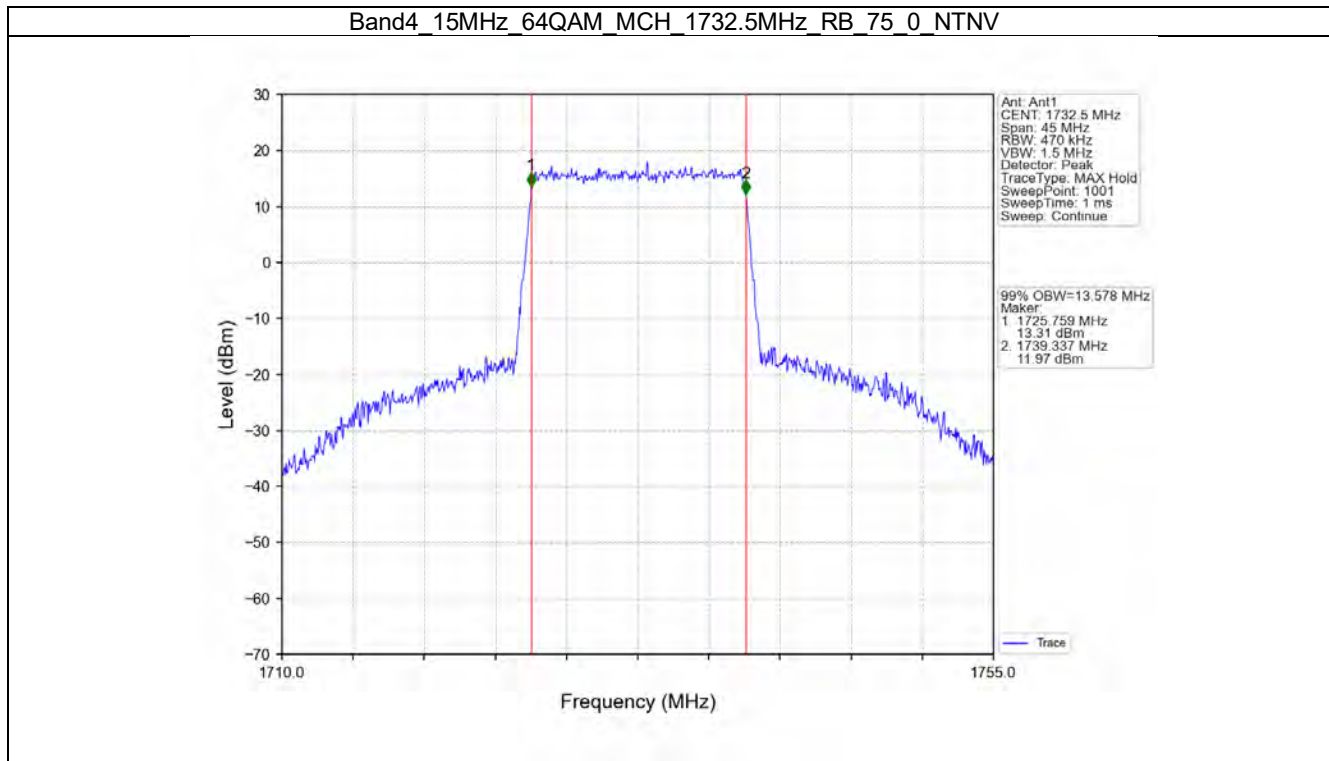
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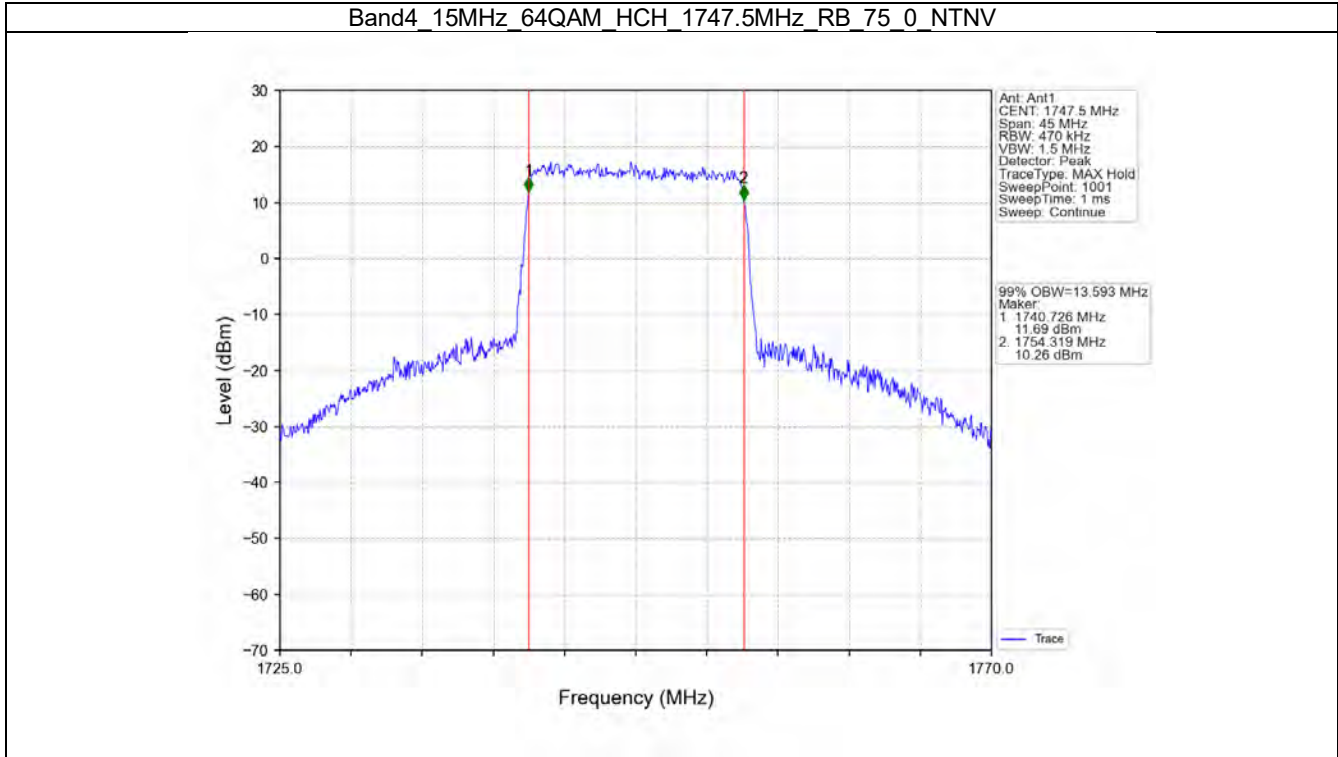


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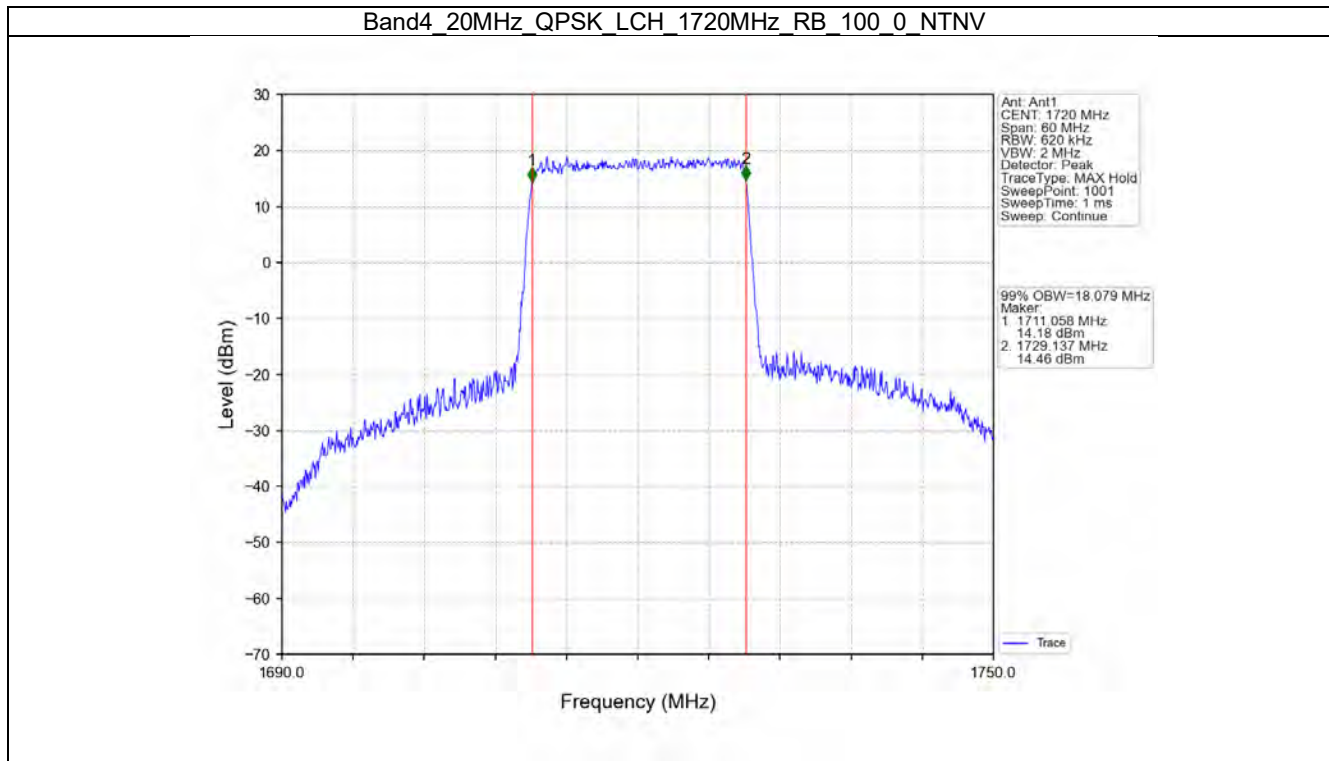
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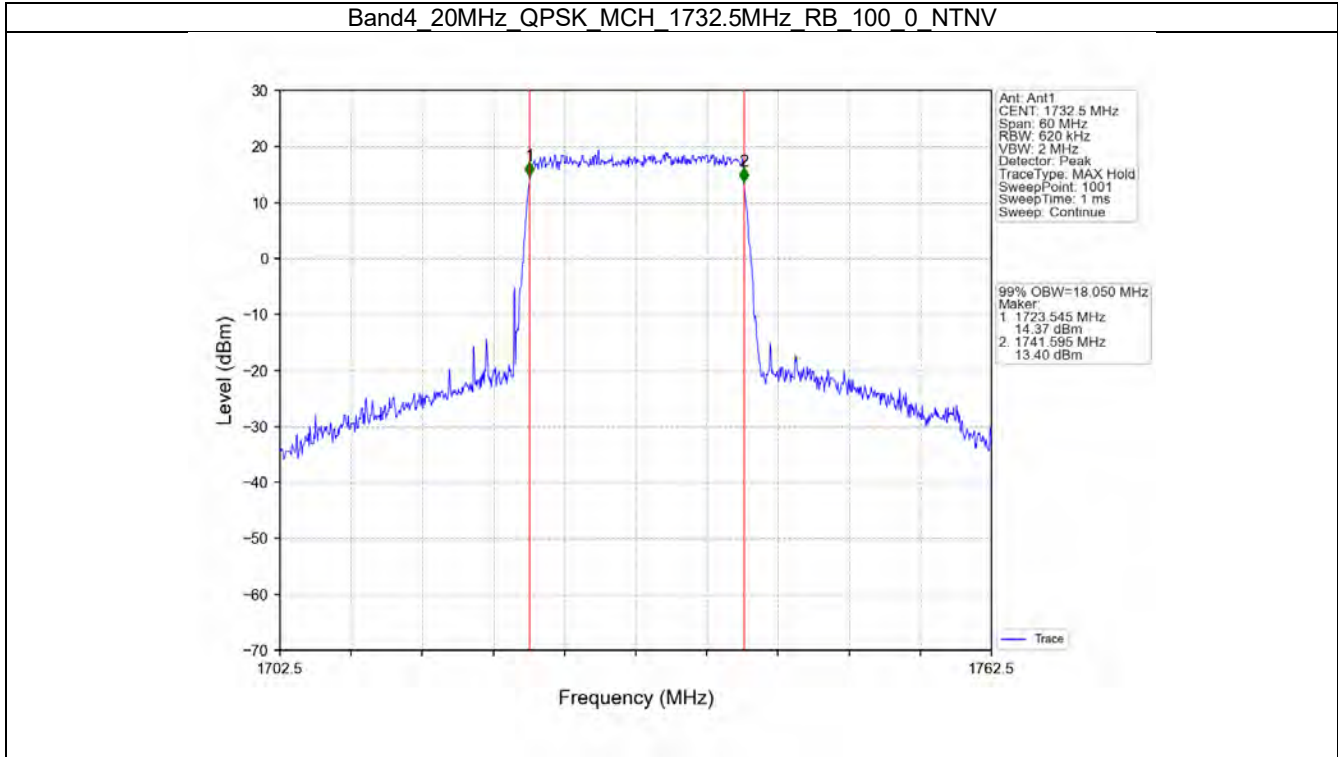


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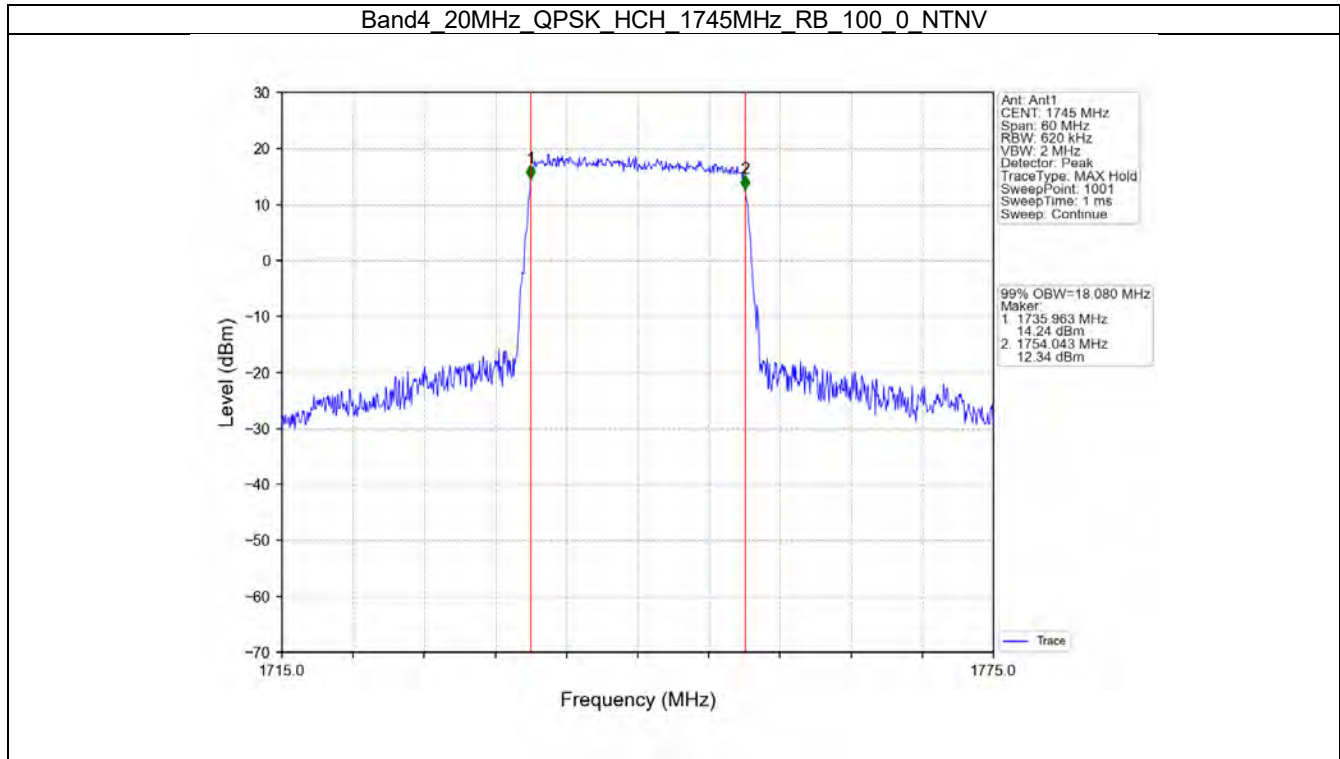


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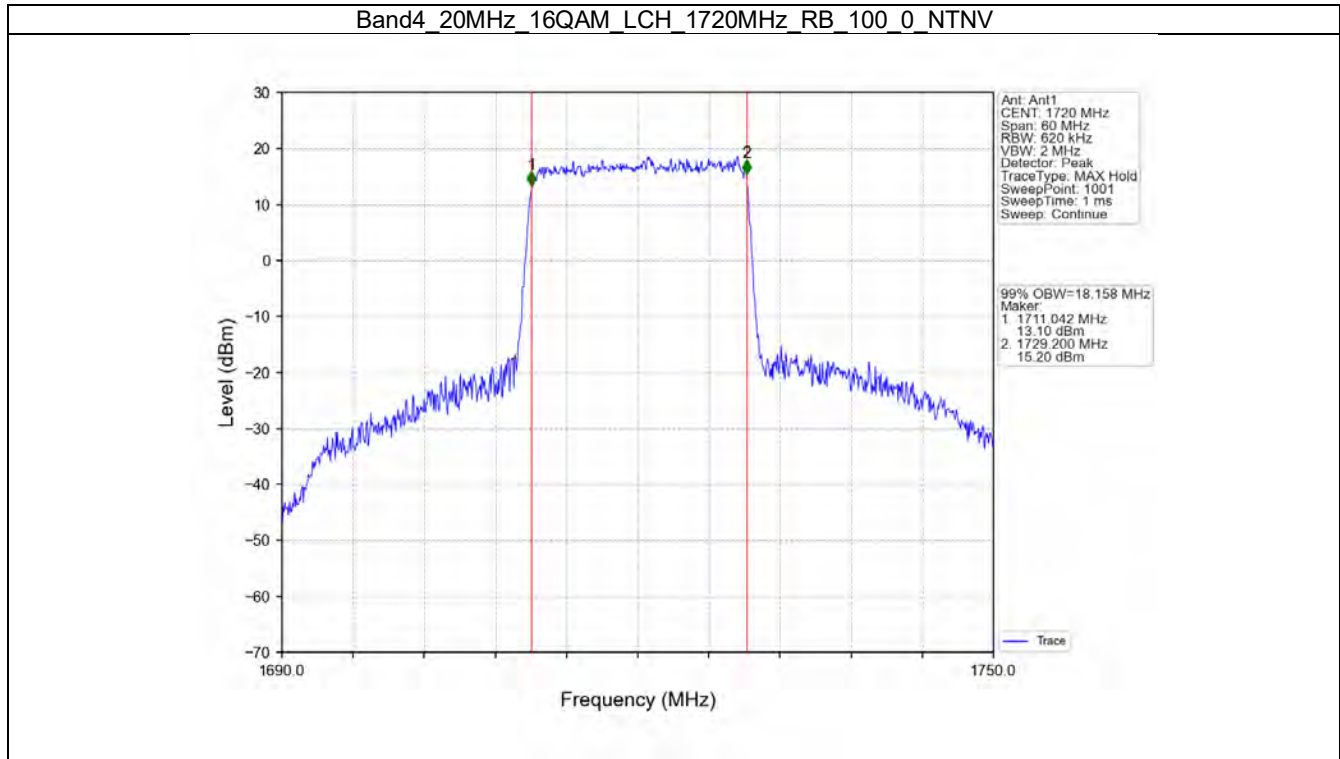


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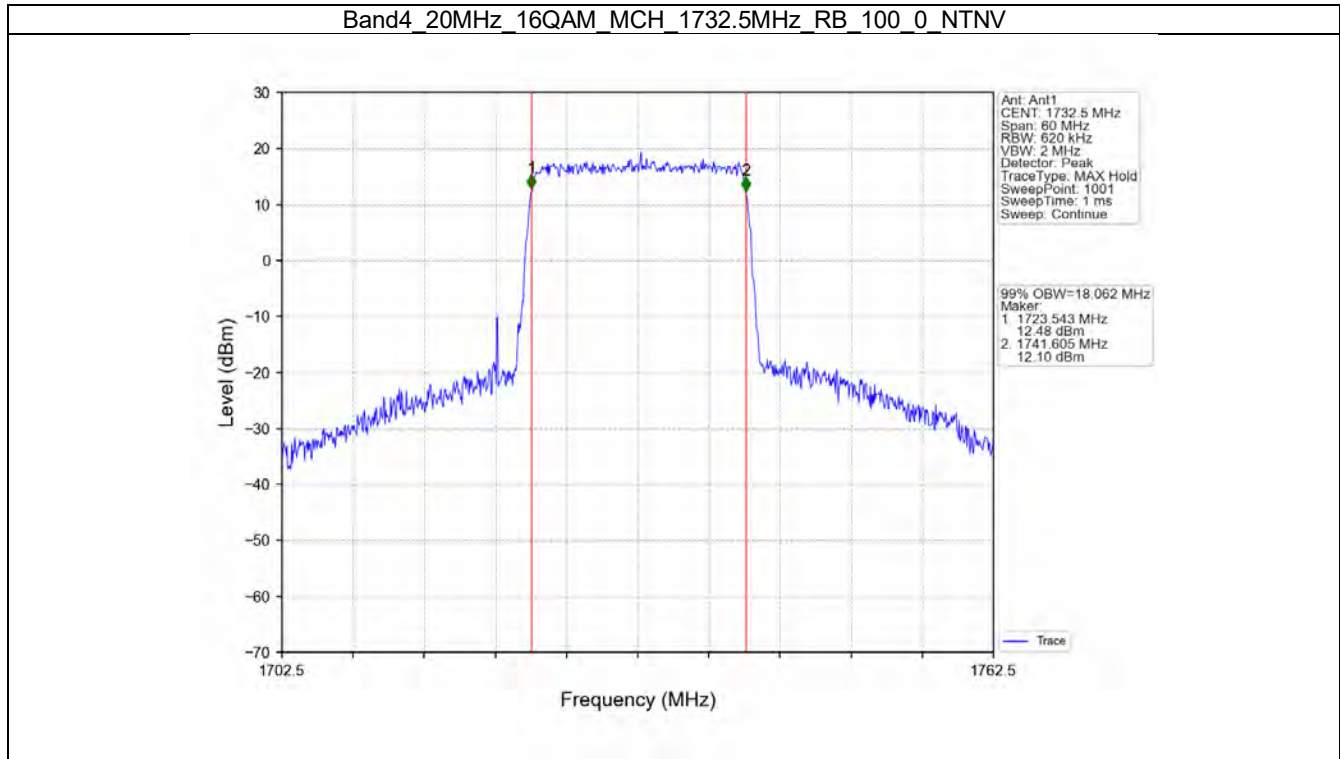


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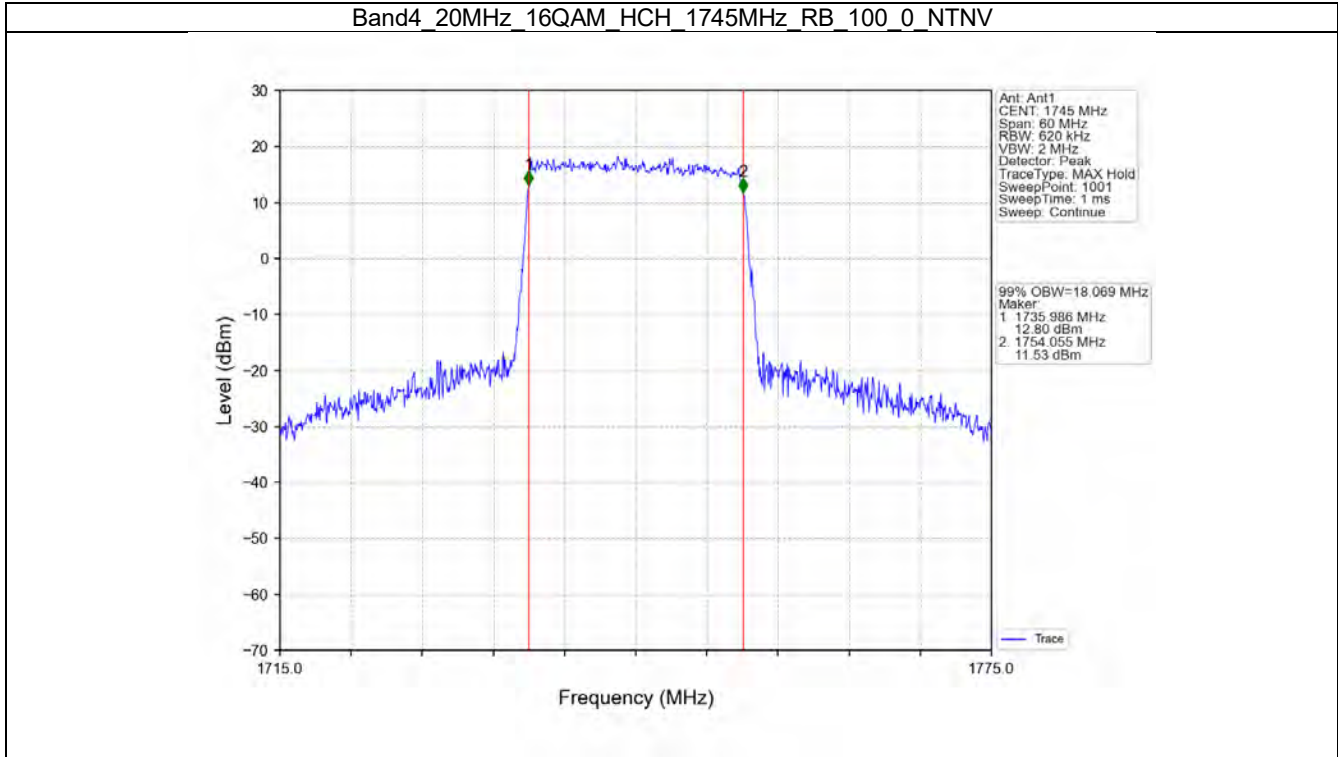


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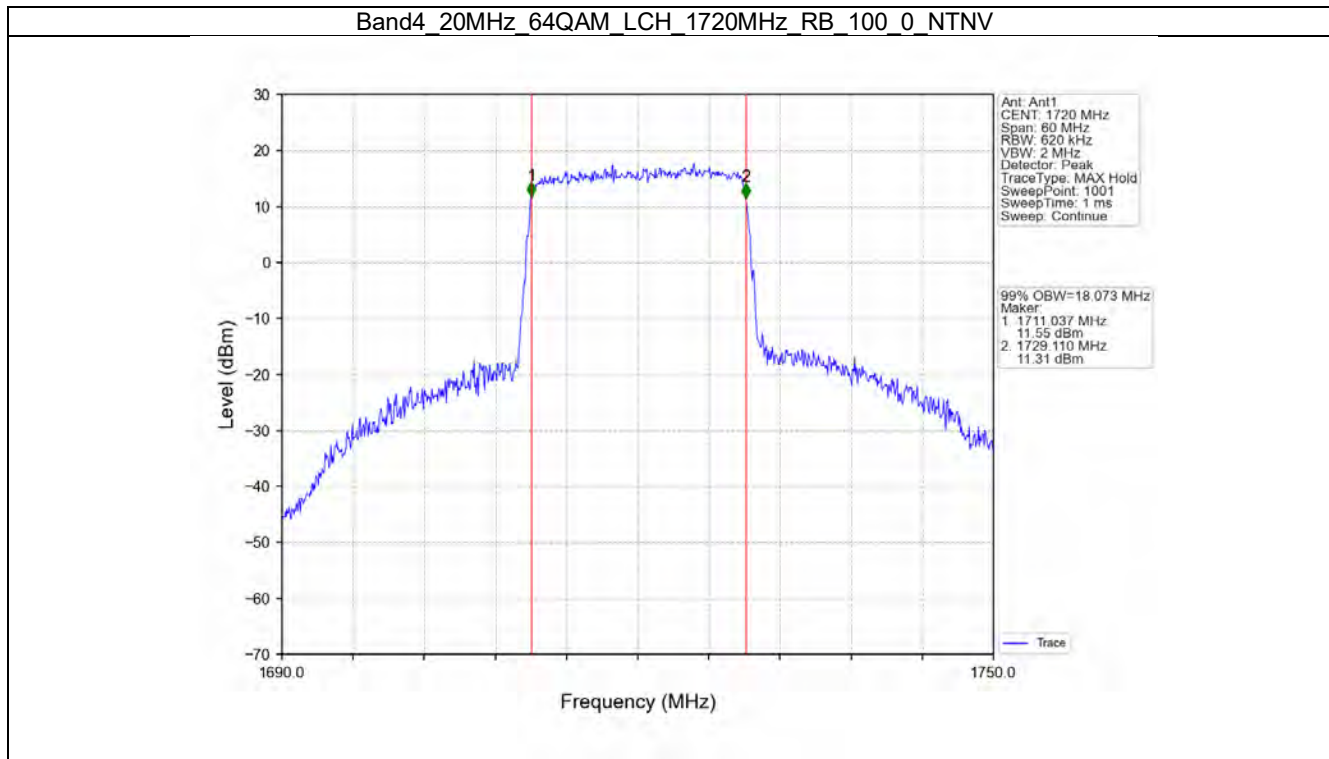
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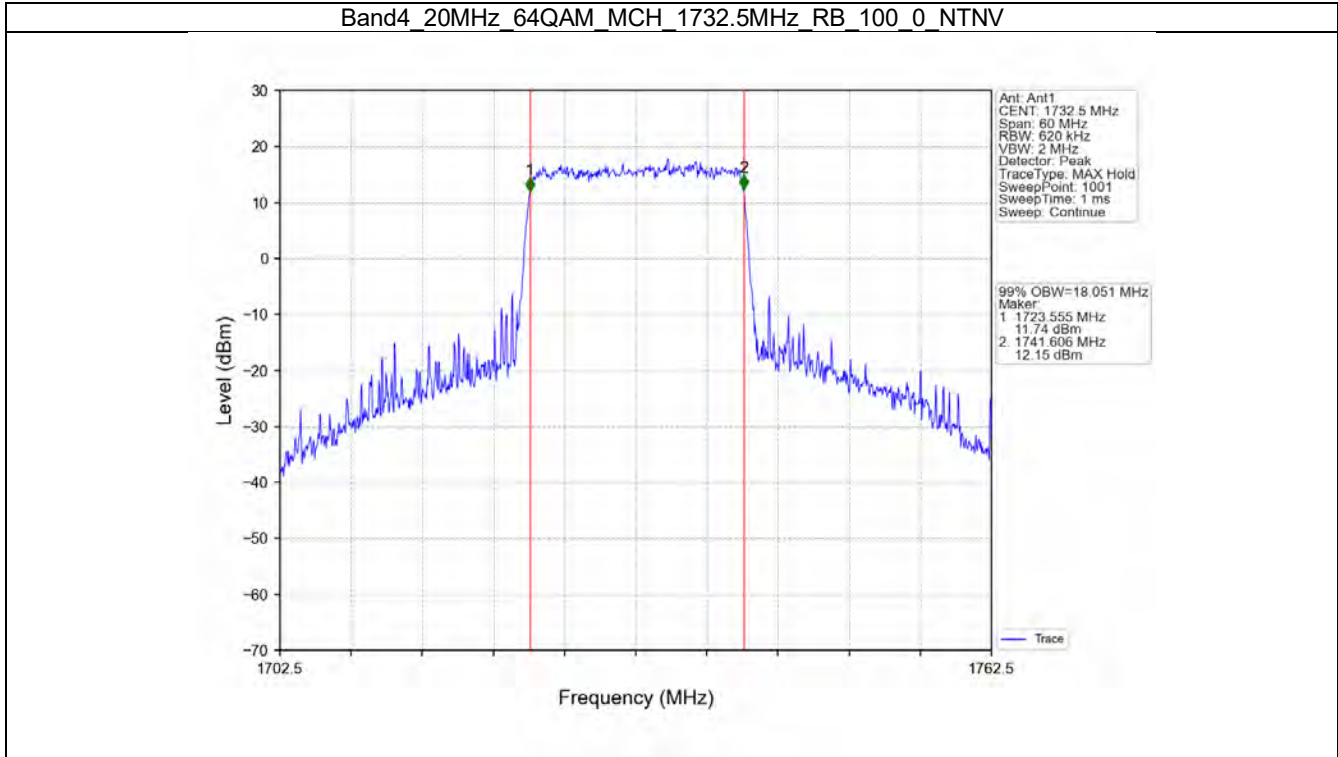


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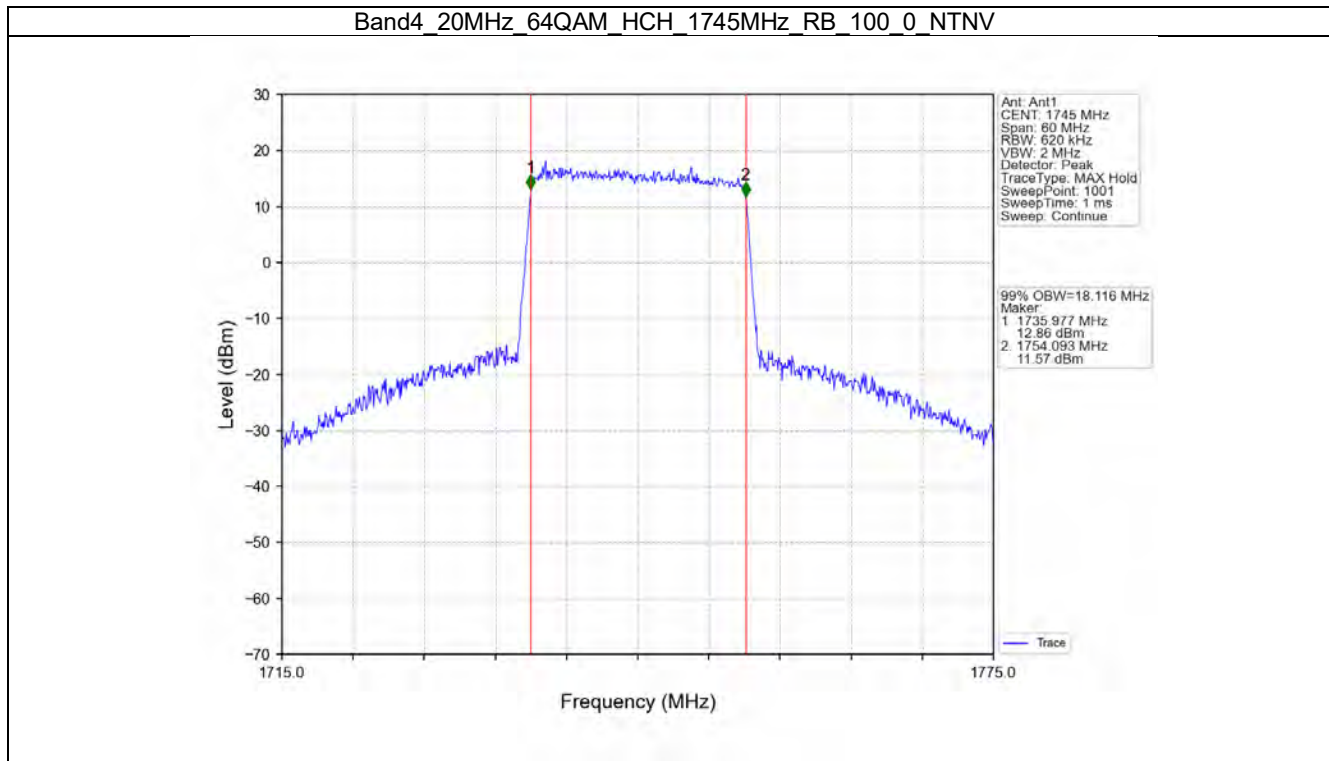
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3.2 Band4_XDB

3.2.1 Test Result

Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.333	/	Pass
		1732.5	6	0	1.318	/	Pass
		1754.3	6	0	1.319	/	Pass
	16QAM	1710.7	6	0	1.308	/	Pass
		1732.5	6	0	1.317	/	Pass
		1754.3	6	0	1.330	/	Pass
	64QAM	1710.7	6	0	1.326	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.344	/	Pass
3	QPSK	1711.5	15	0	3.006	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	2.994	/	Pass
	16QAM	1711.5	15	0	3.007	/	Pass
		1732.5	15	0	2.985	/	Pass
		1753.5	15	0	2.992	/	Pass
	64QAM	1711.5	15	0	3.002	/	Pass
		1732.5	15	0	2.975	/	Pass
		1753.5	15	0	2.988	/	Pass
5	QPSK	1712.5	25	0	5.021	/	Pass
		1732.5	25	0	5.017	/	Pass
		1752.5	25	0	4.990	/	Pass
	16QAM	1712.5	25	0	5.022	/	Pass
		1732.5	25	0	5.008	/	Pass
		1752.5	25	0	5.024	/	Pass
	64QAM	1712.5	25	0	4.976	/	Pass
		1732.5	25	0	4.988	/	Pass
		1752.5	25	0	4.997	/	Pass
10	QPSK	1715	50	0	9.991	/	Pass
		1732.5	50	0	9.918	/	Pass
		1750	50	0	9.899	/	Pass
	16QAM	1715	50	0	9.927	/	Pass
		1732.5	50	0	9.879	/	Pass
		1750	50	0	9.961	/	Pass
	64QAM	1715	50	0	9.894	/	Pass
		1732.5	50	0	9.912	/	Pass
		1750	50	0	9.953	/	Pass
15	QPSK	1717.5	75	0	14.845	/	Pass
		1732.5	75	0	14.893	/	Pass



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		1747.5	75	0	14.843	/	Pass
	16QAM	1717.5	75	0	14.856	/	Pass
		1732.5	75	0	14.959	/	Pass
		1747.5	75	0	14.913	/	Pass
		1717.5	75	0	14.883	/	Pass
	64QAM	1732.5	75	0	14.908	/	Pass
		1747.5	75	0	14.890	/	Pass
		1720	100	0	19.735	/	Pass
20	QPSK	1732.5	100	0	20.212	/	Pass
		1745	100	0	19.761	/	Pass
		1720	100	0	19.656	/	Pass
	16QAM	1732.5	100	0	19.571	/	Pass
		1745	100	0	19.856	/	Pass
		1720	100	0	19.657	/	Pass
	64QAM	1732.5	100	0	21.756	/	Pass
		1745	100	0	19.662	/	Pass



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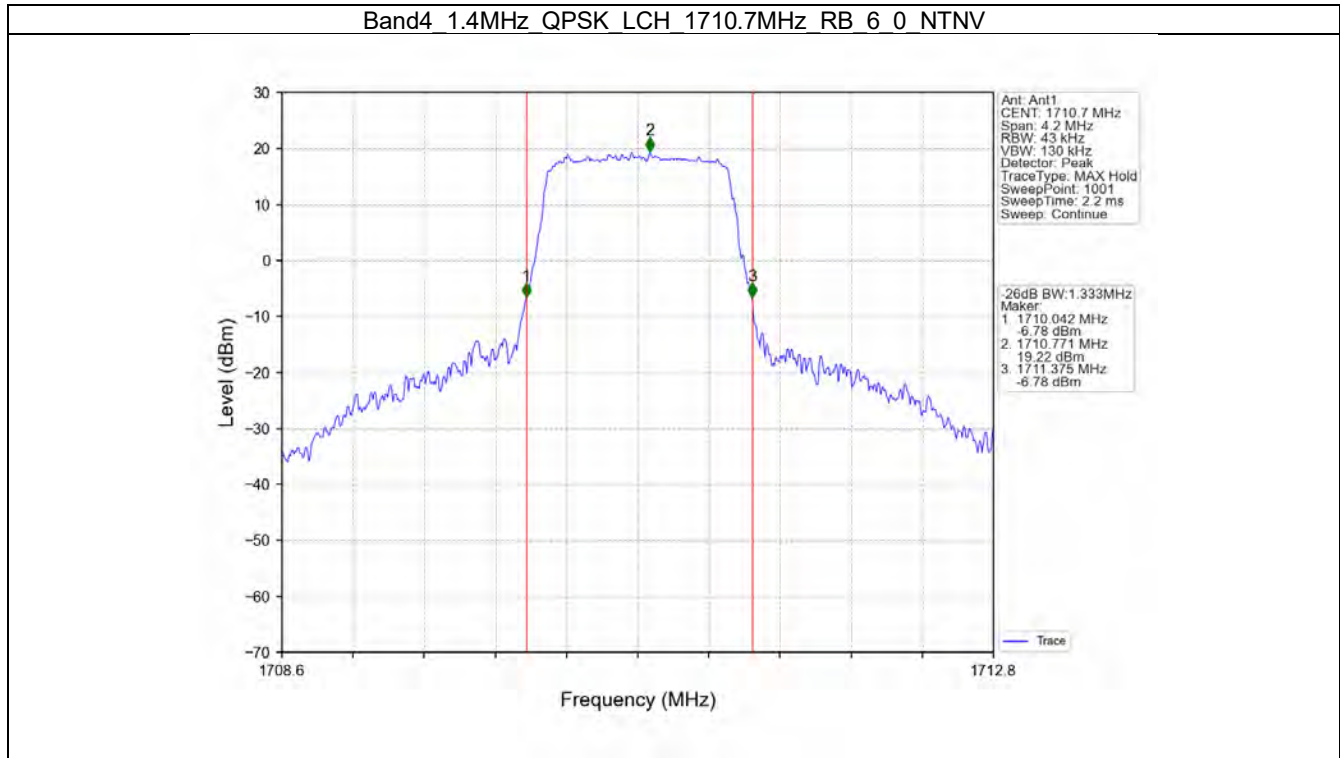
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3.2.2 Test Graph



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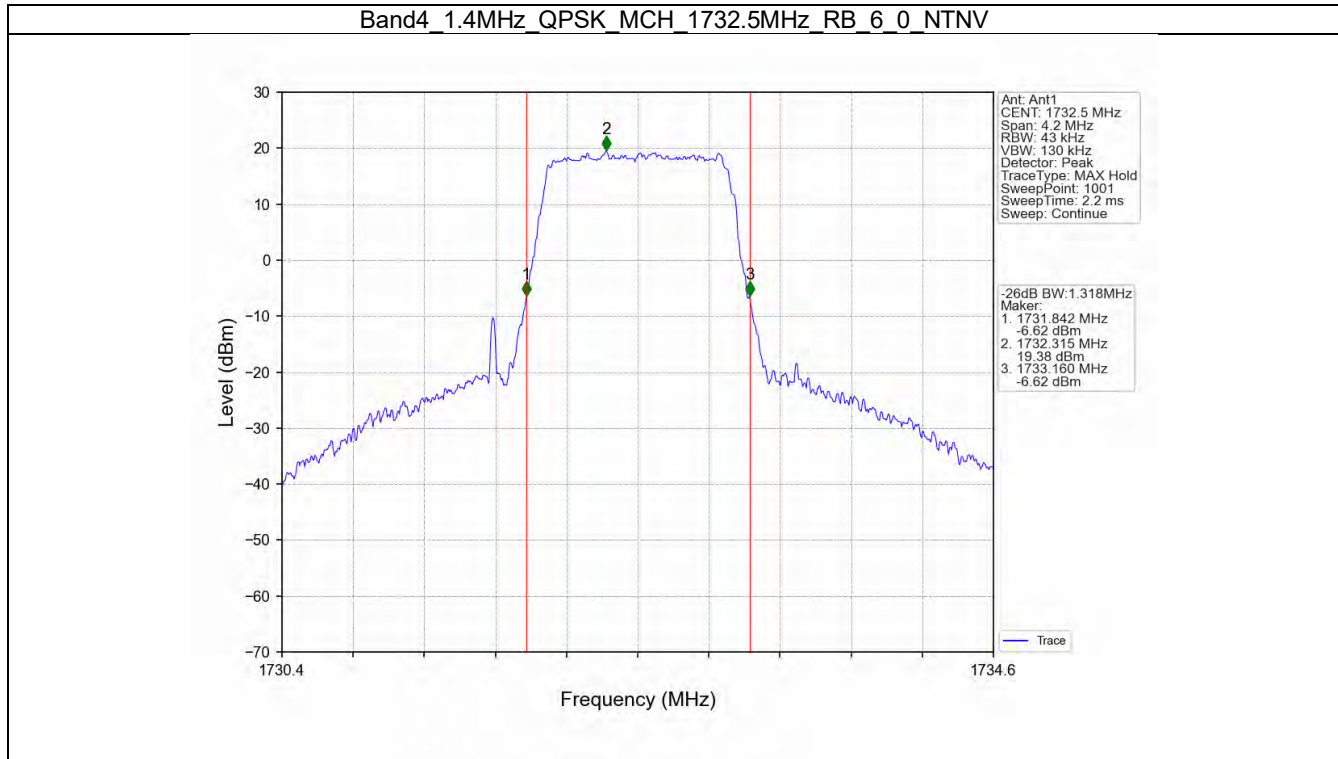


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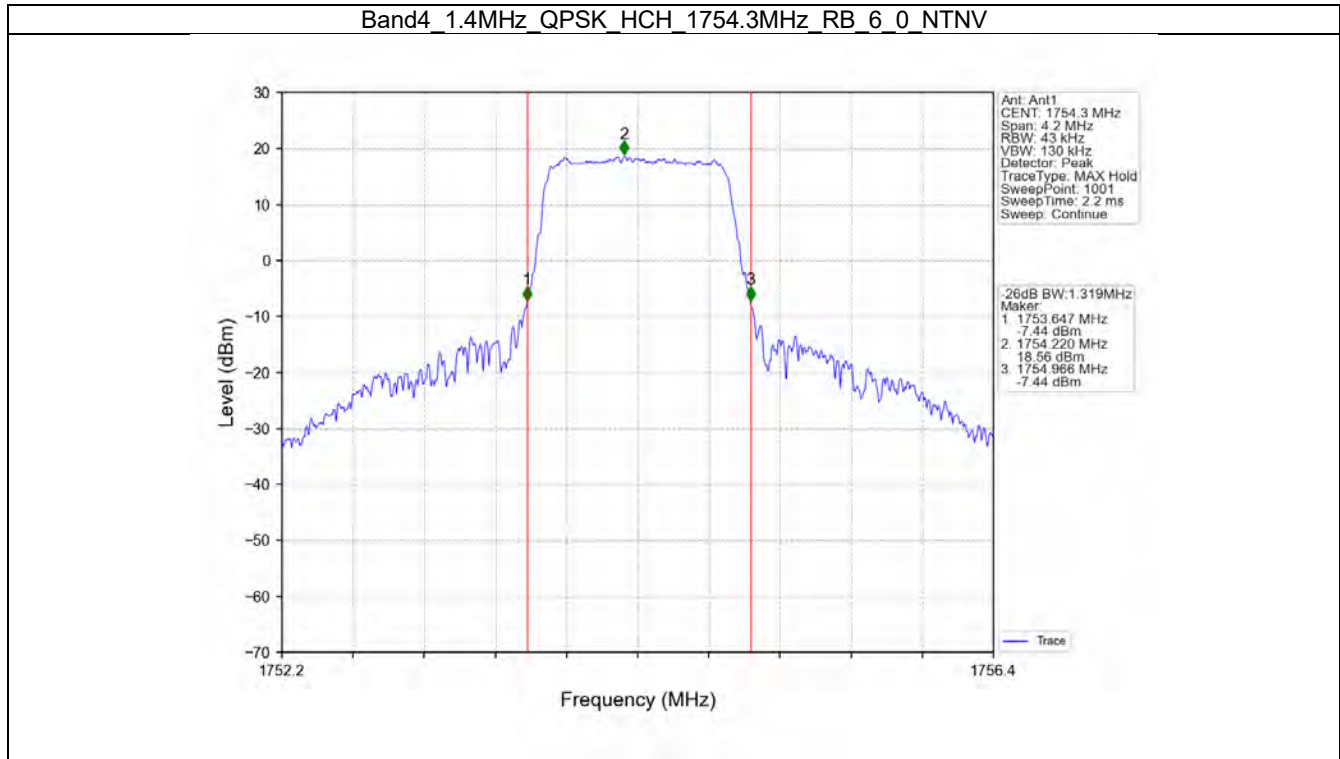


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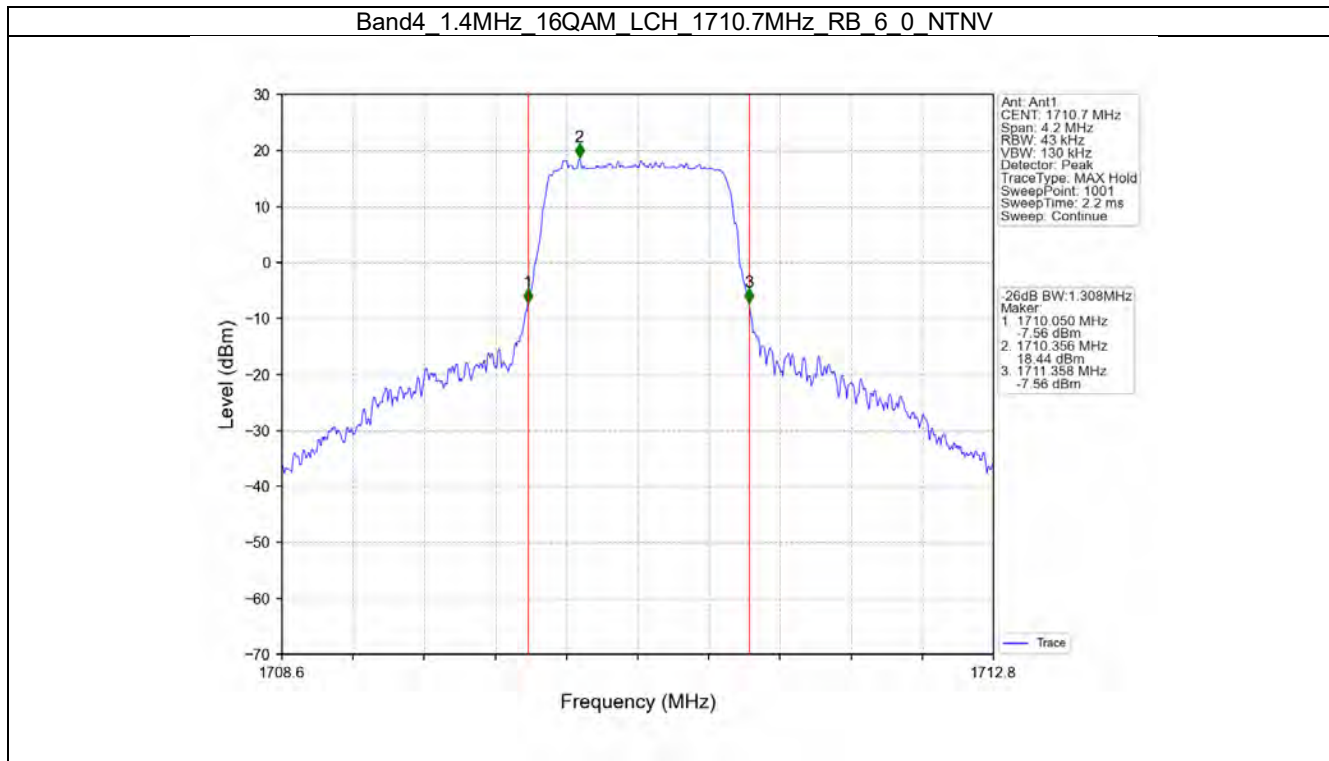
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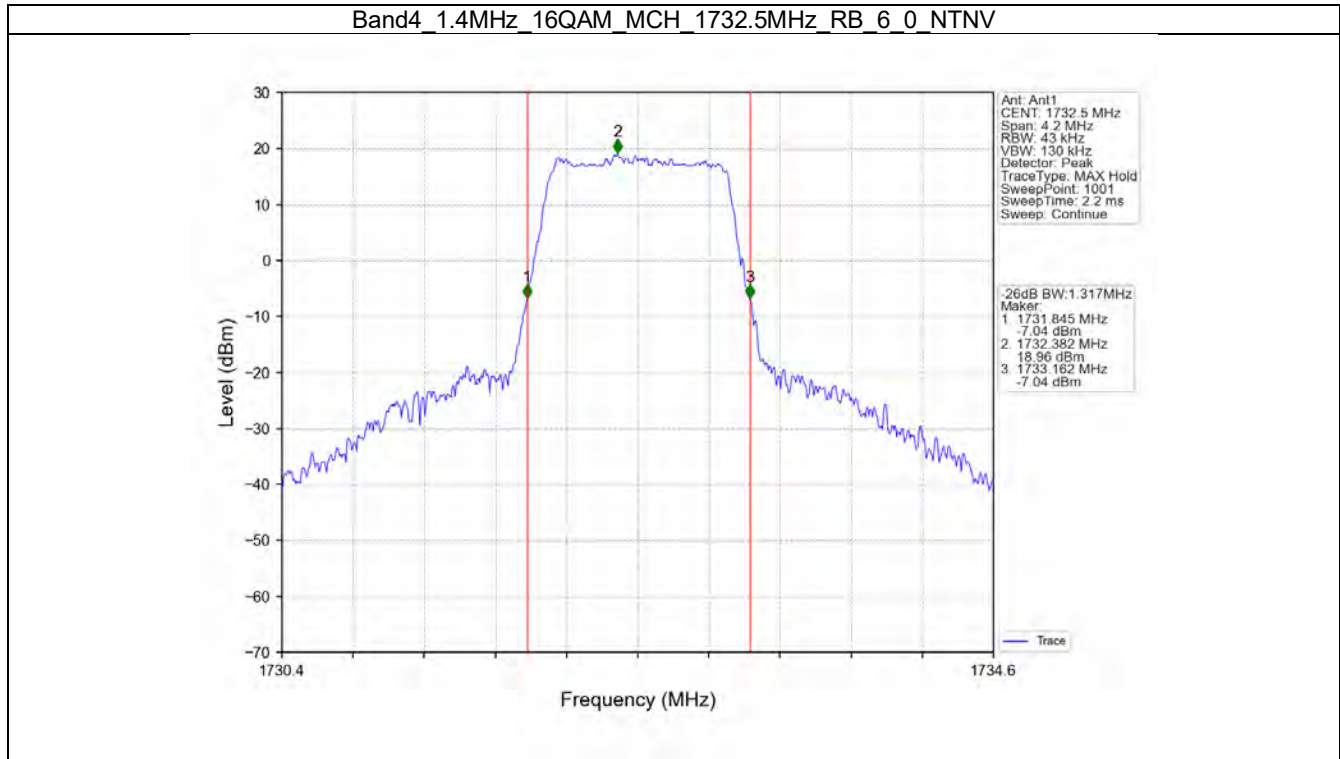


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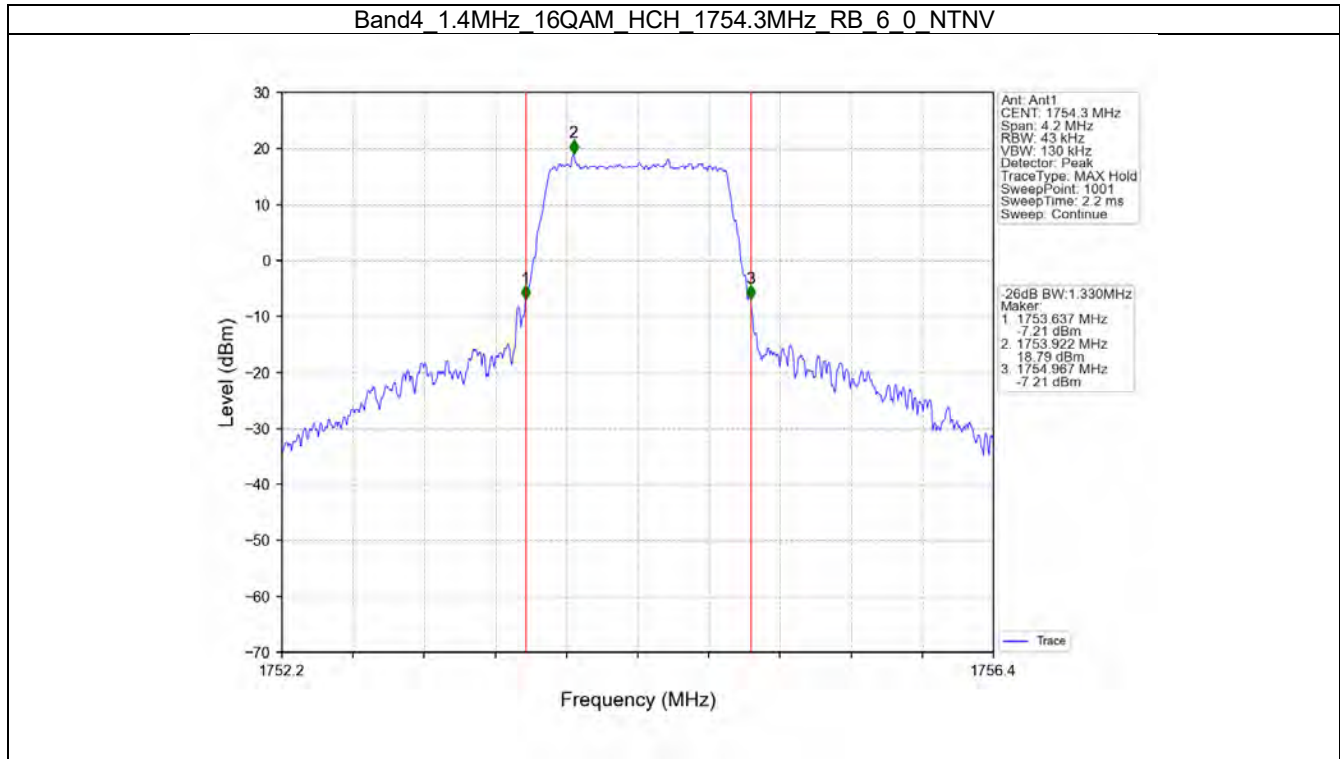


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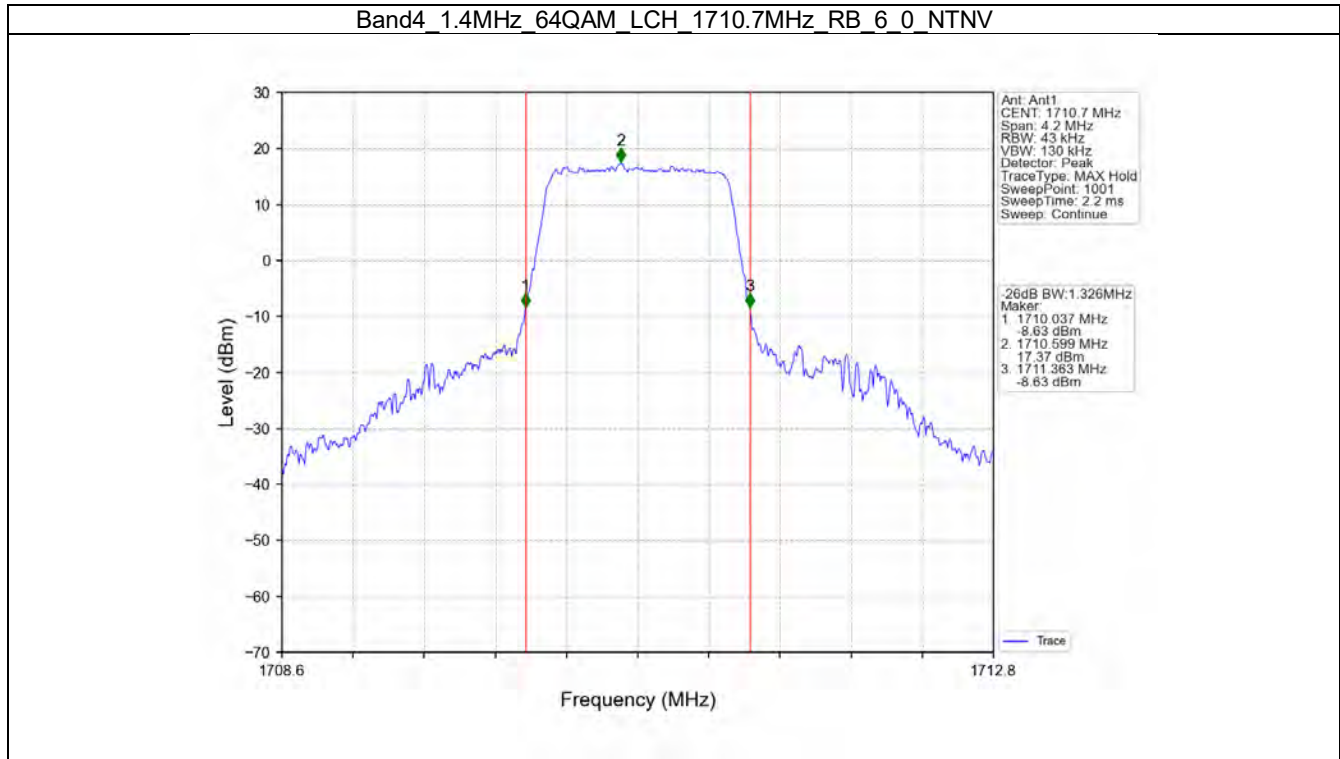


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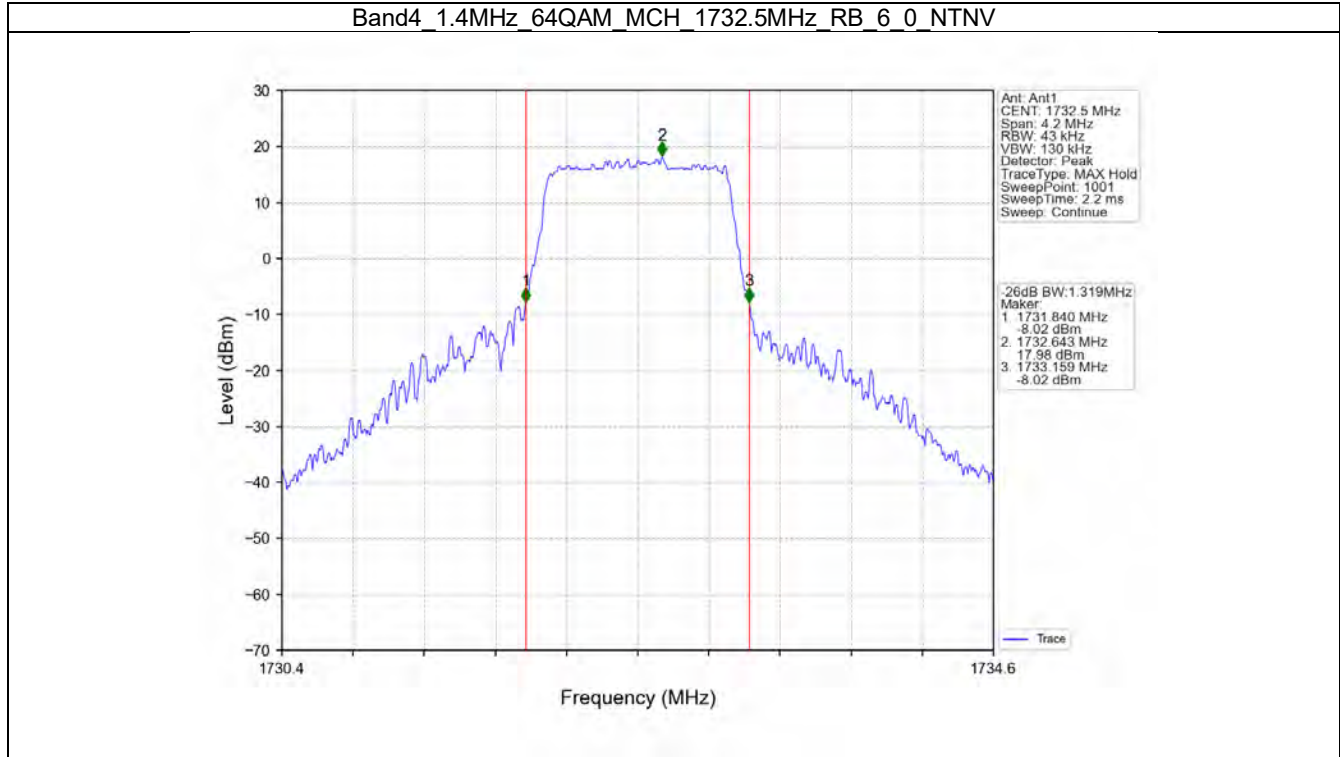


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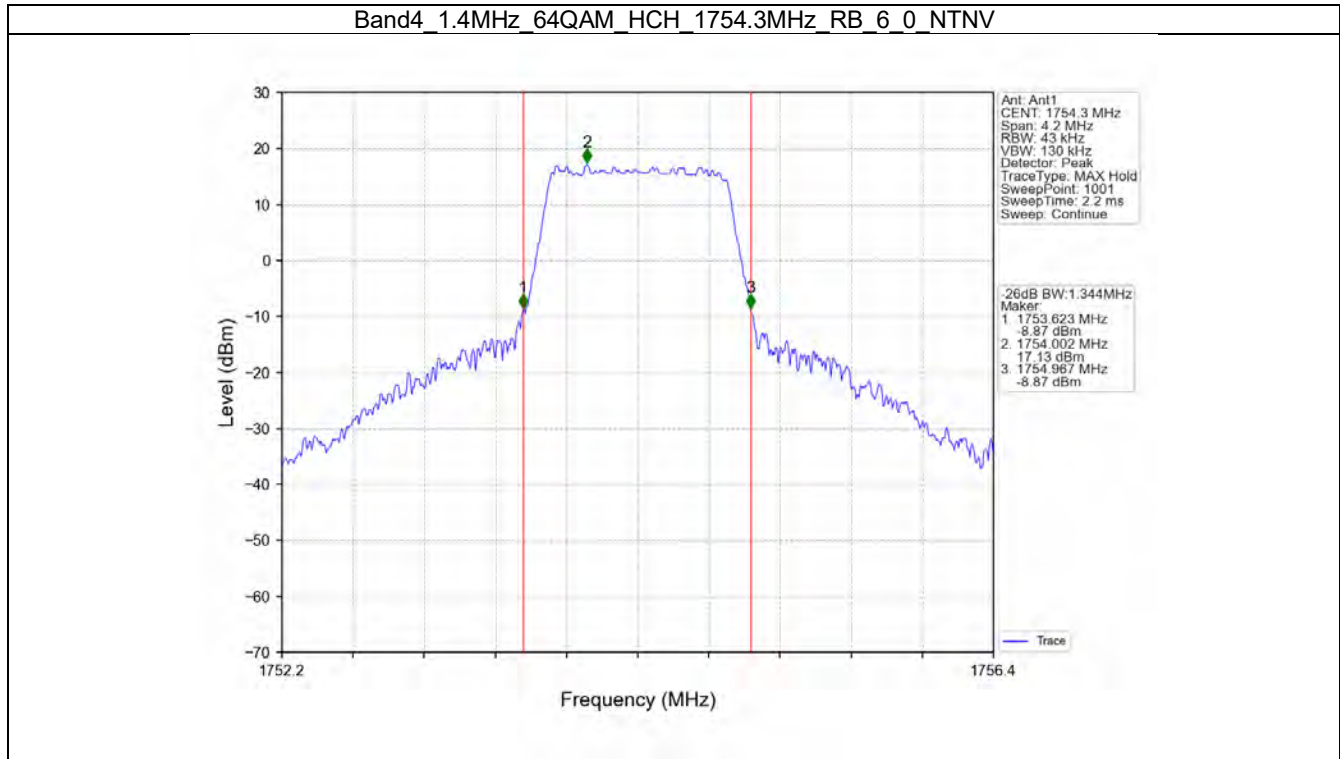


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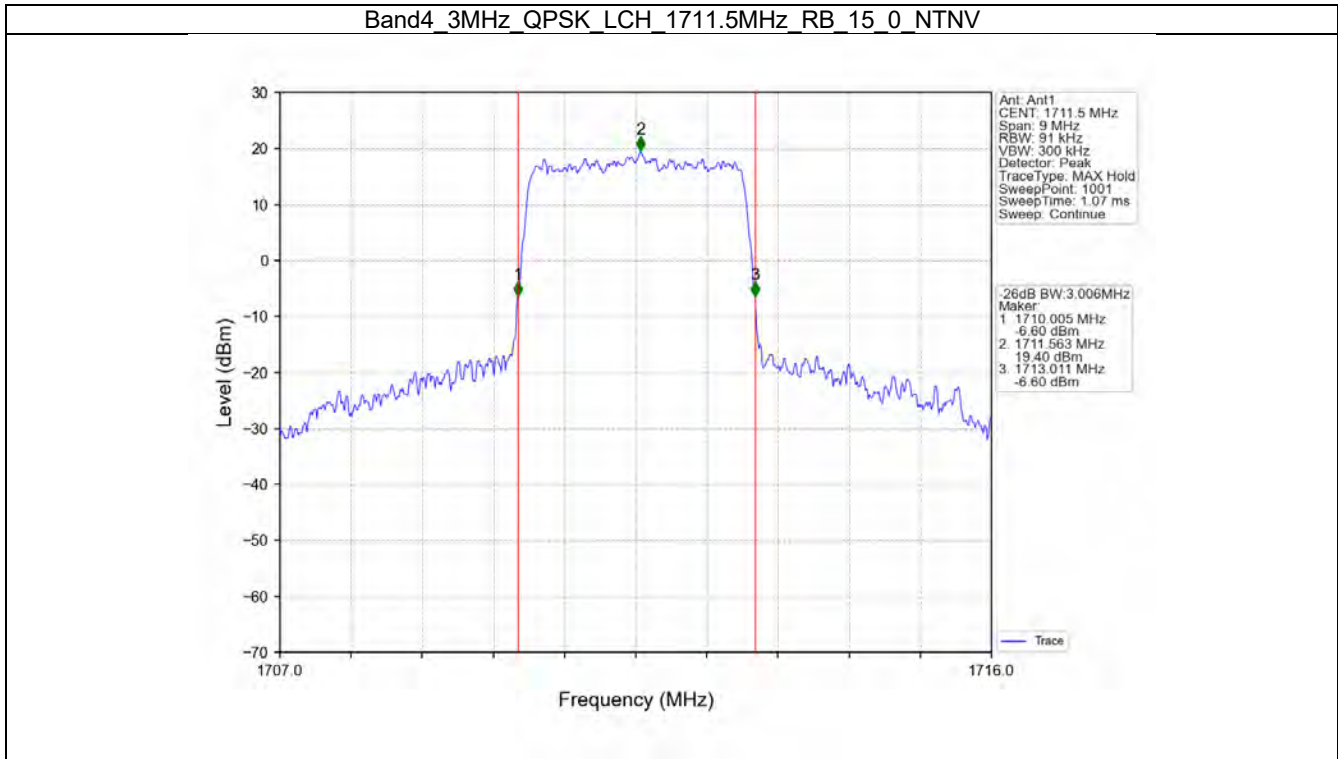


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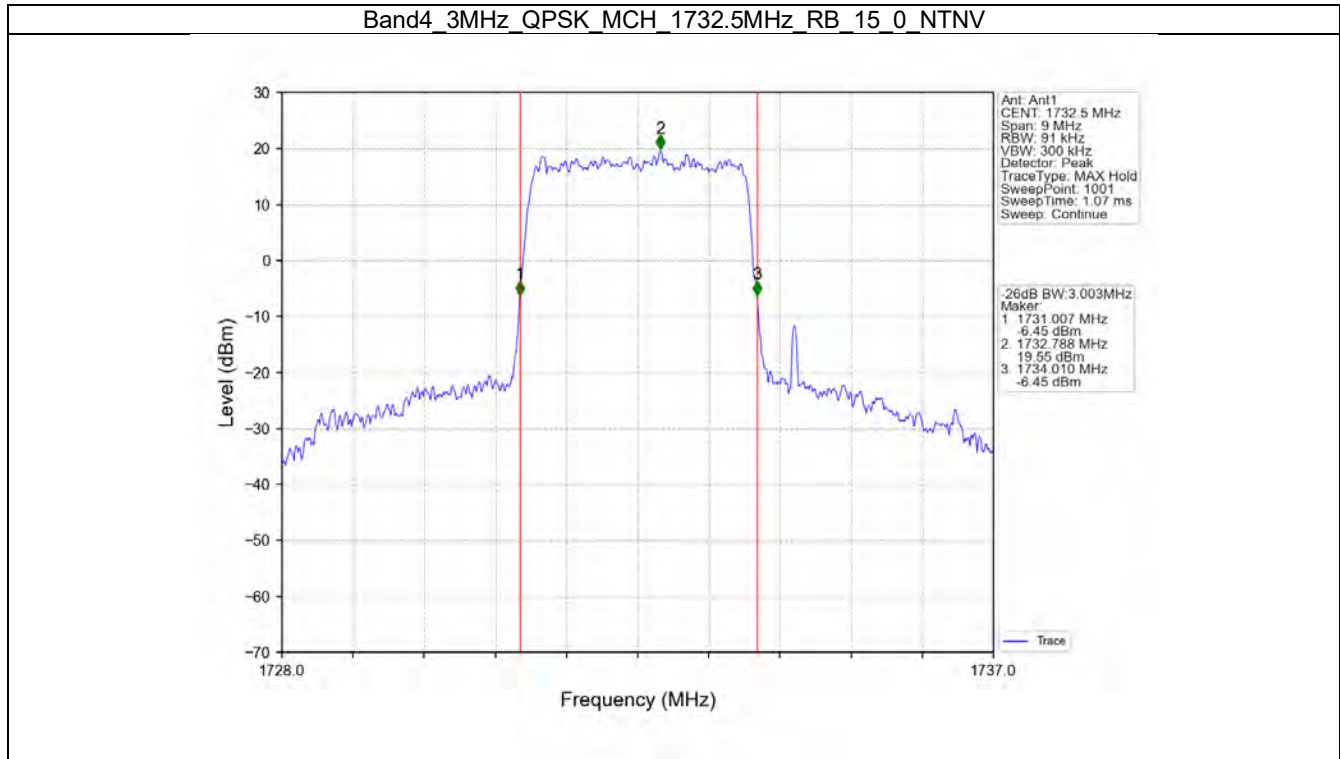


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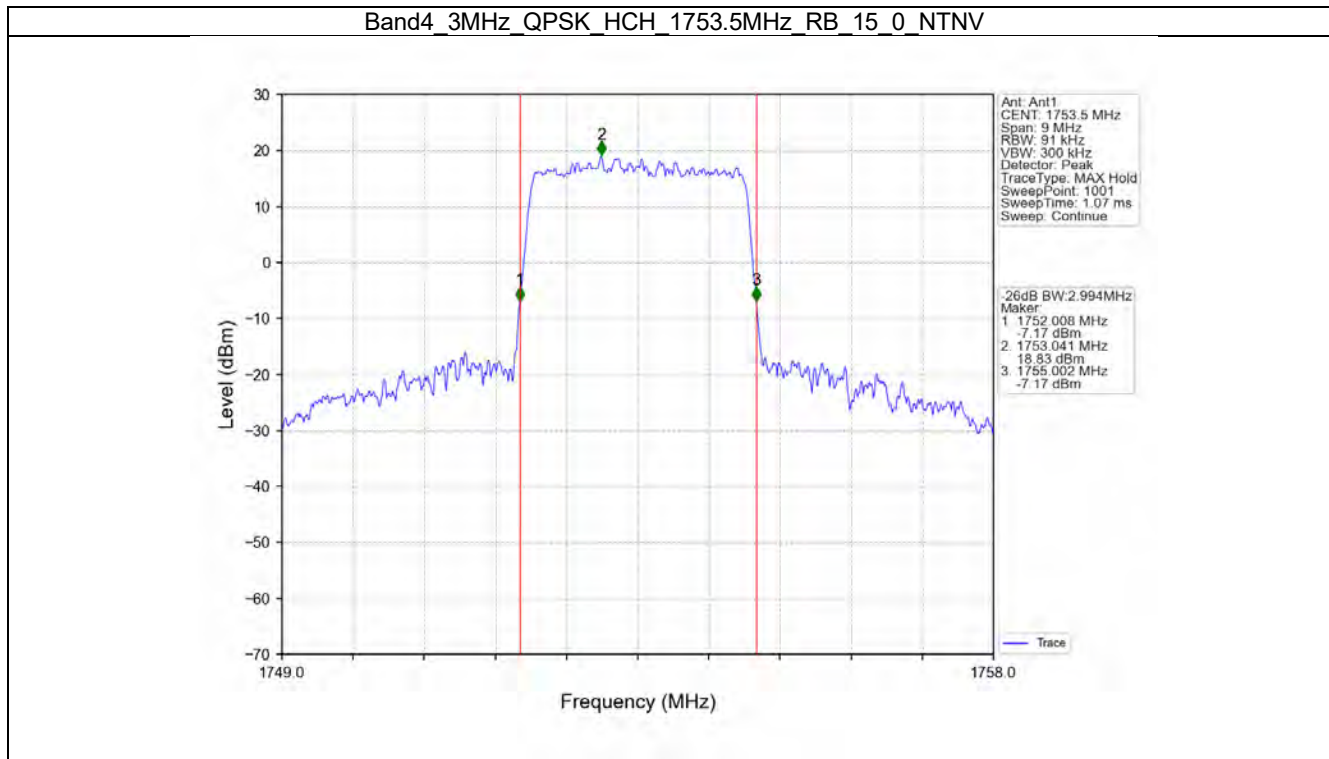
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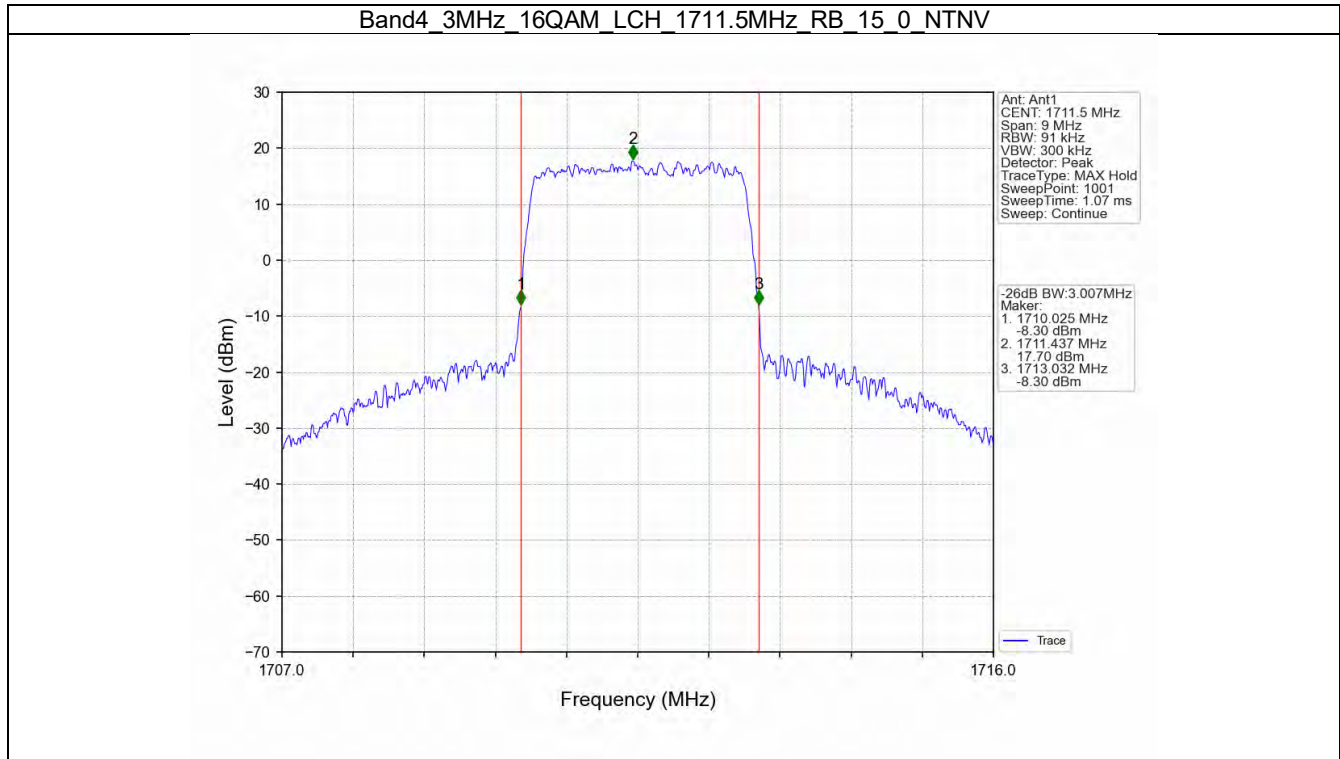


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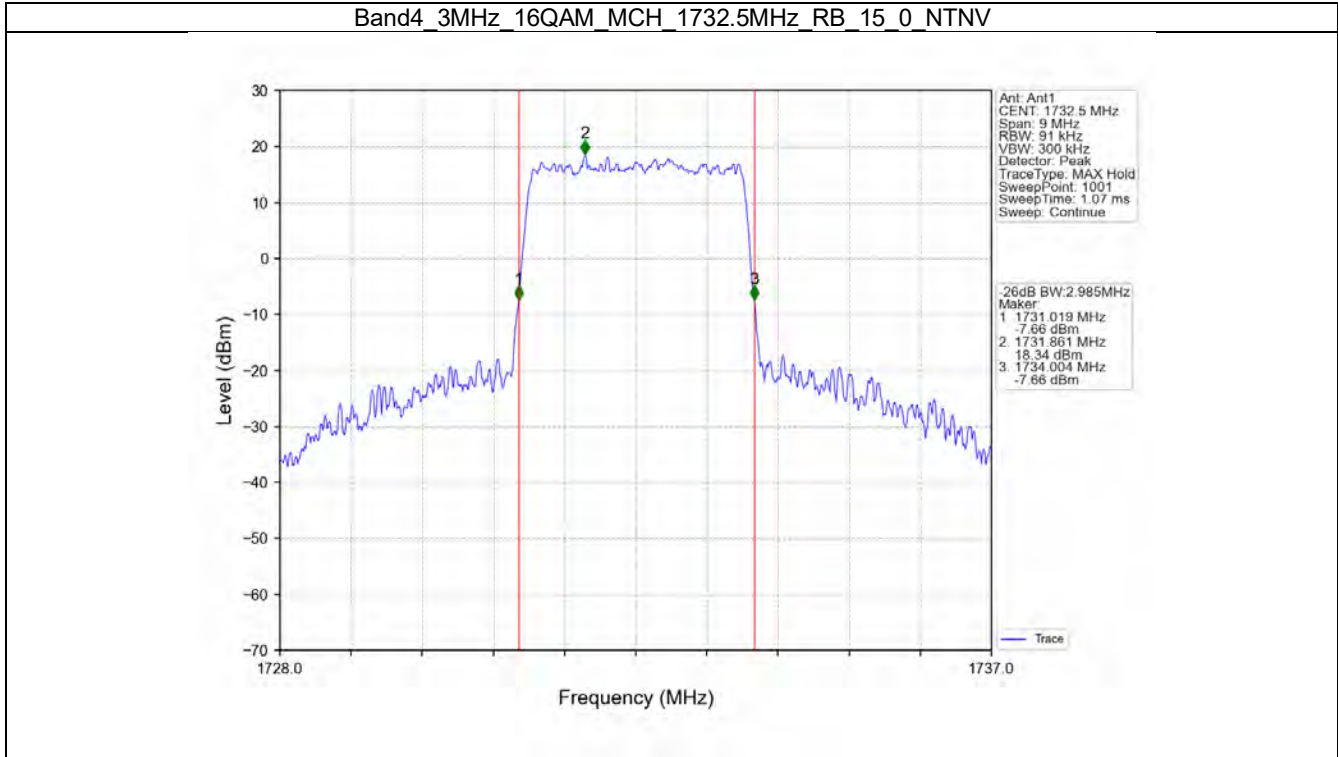


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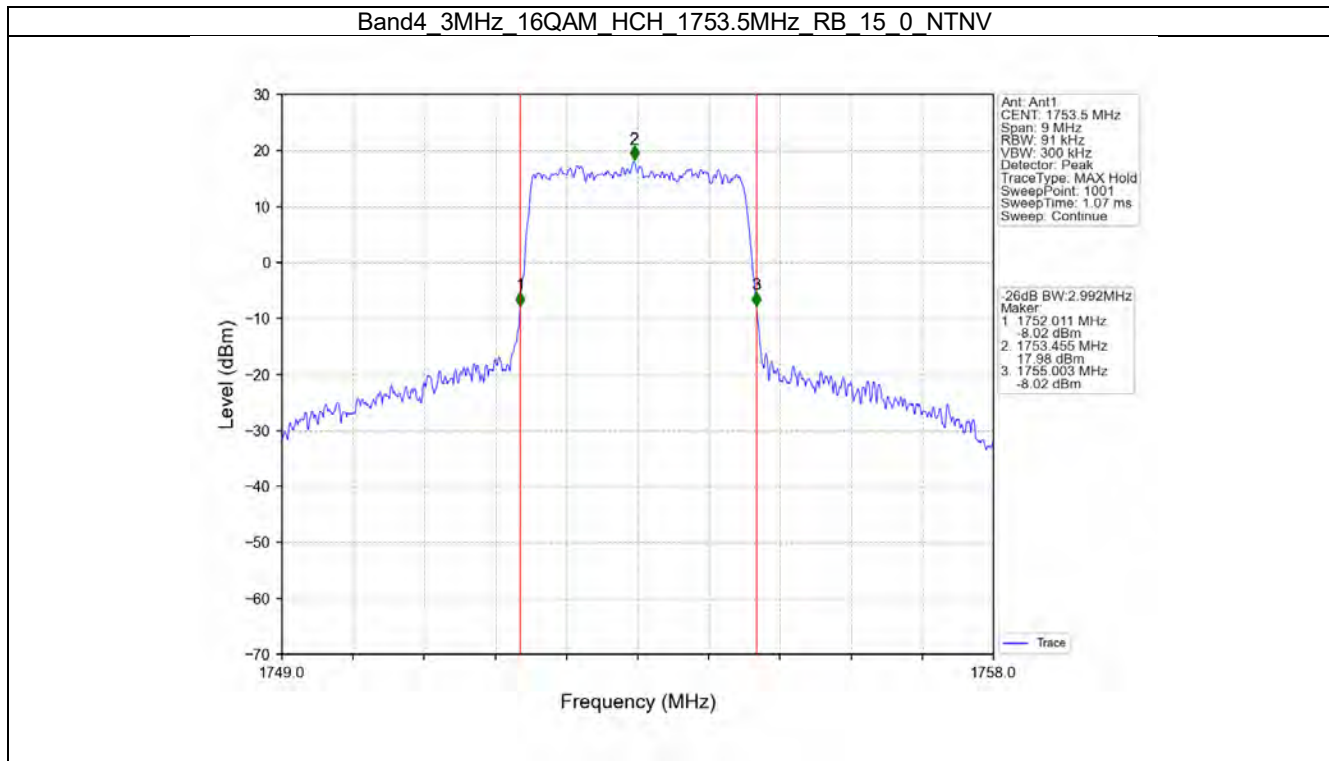
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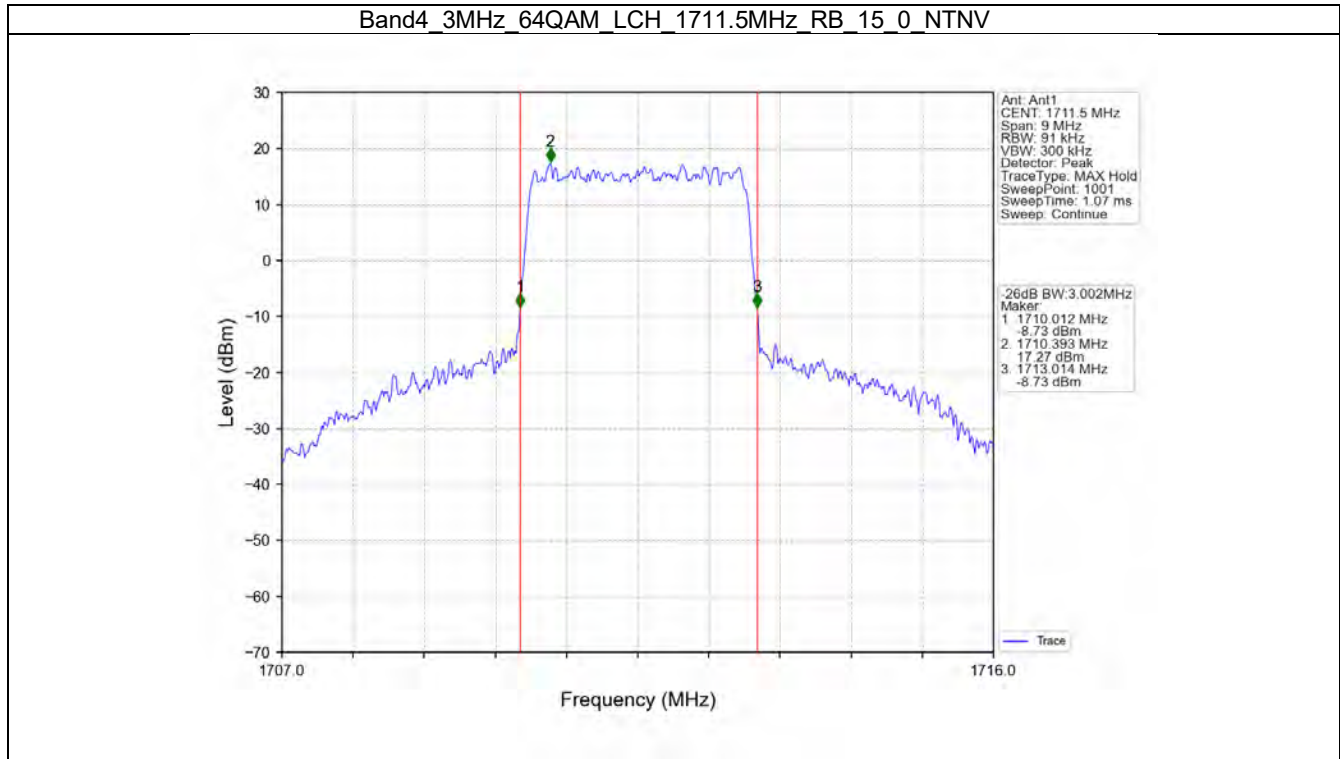


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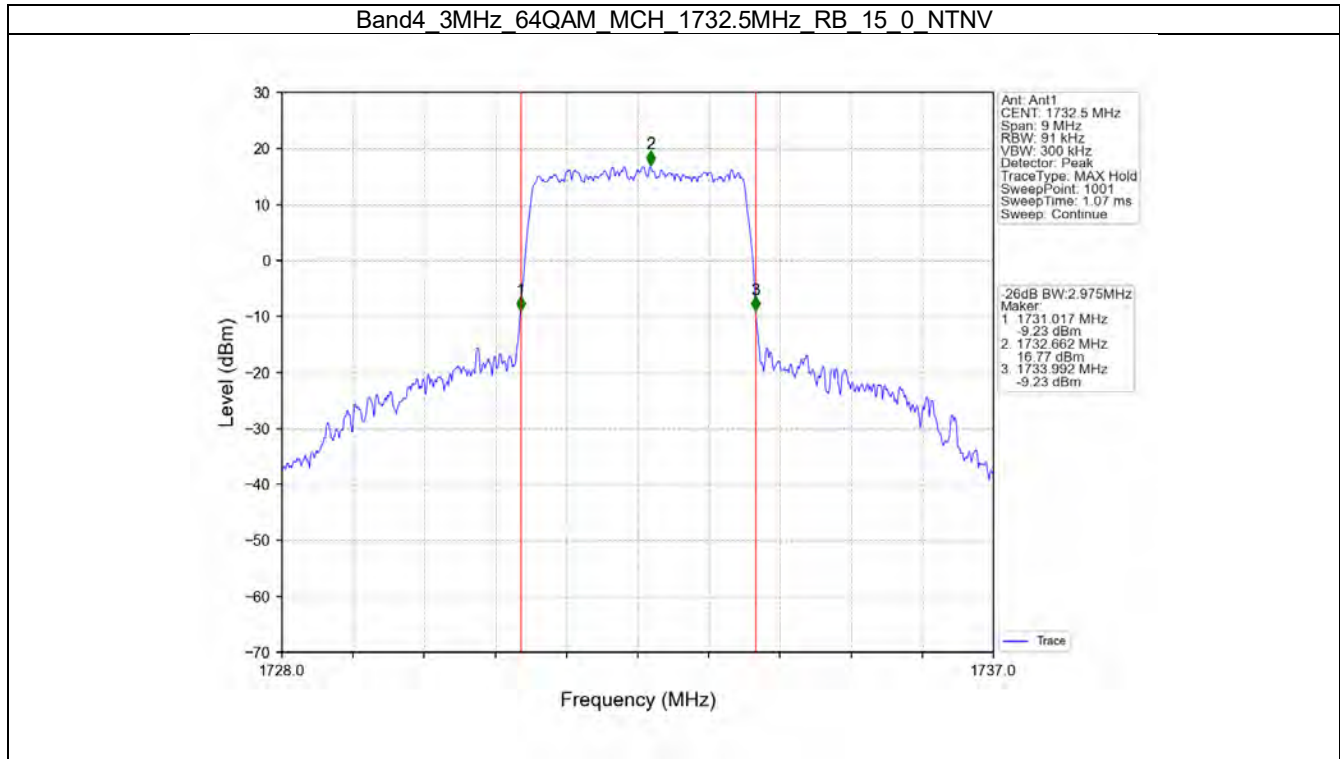


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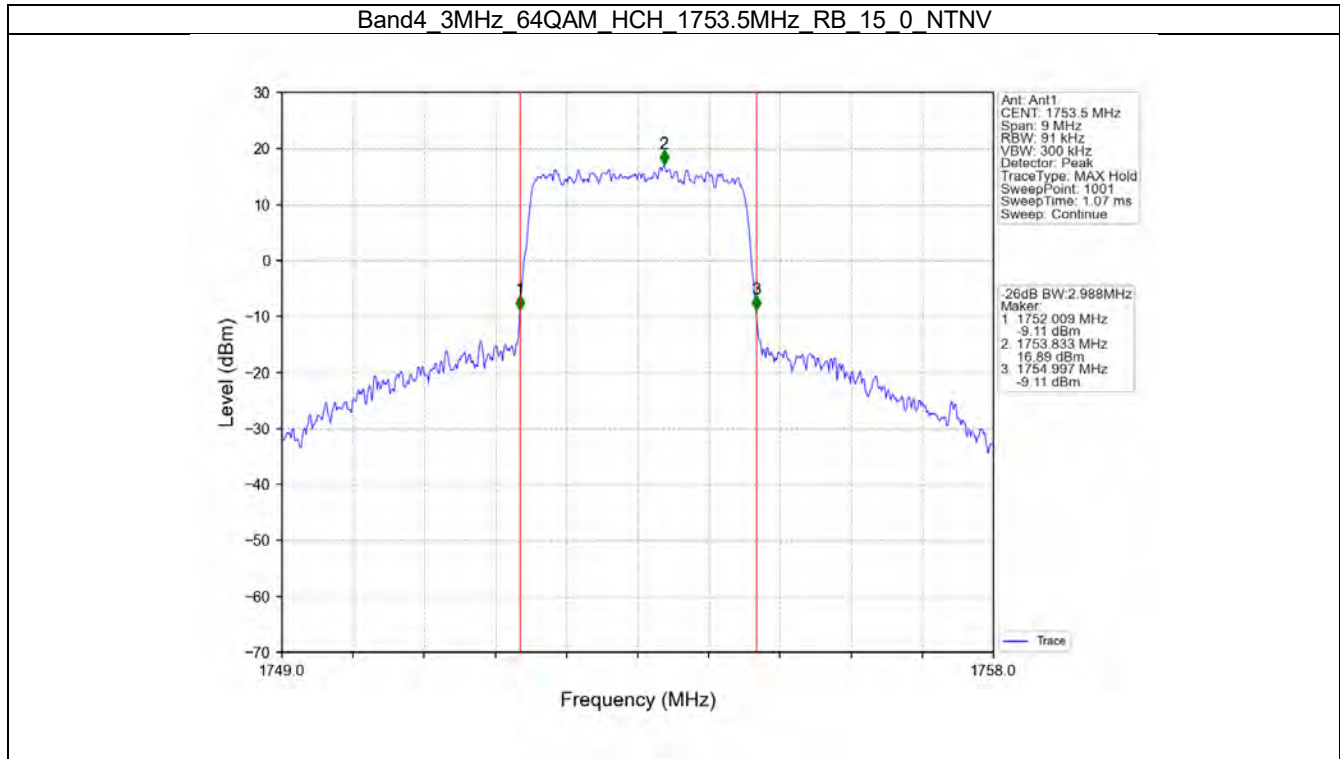


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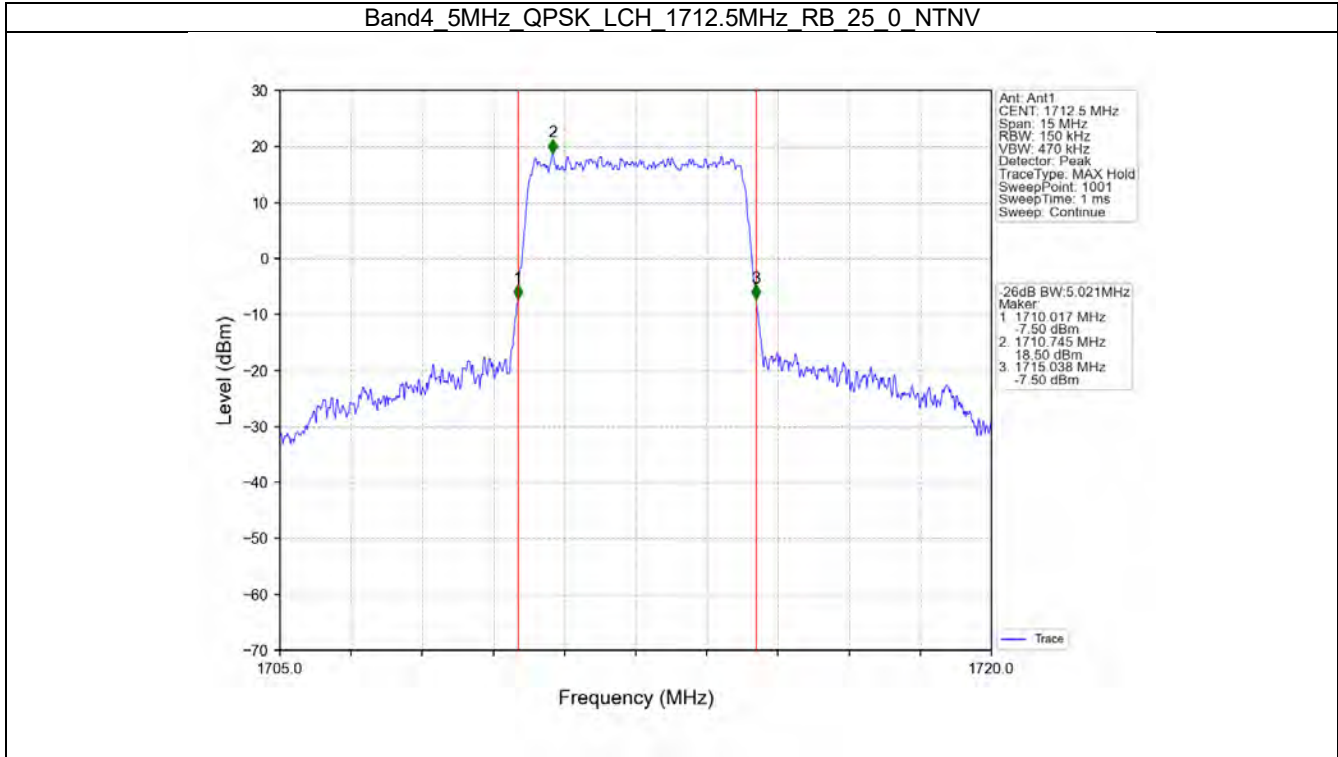


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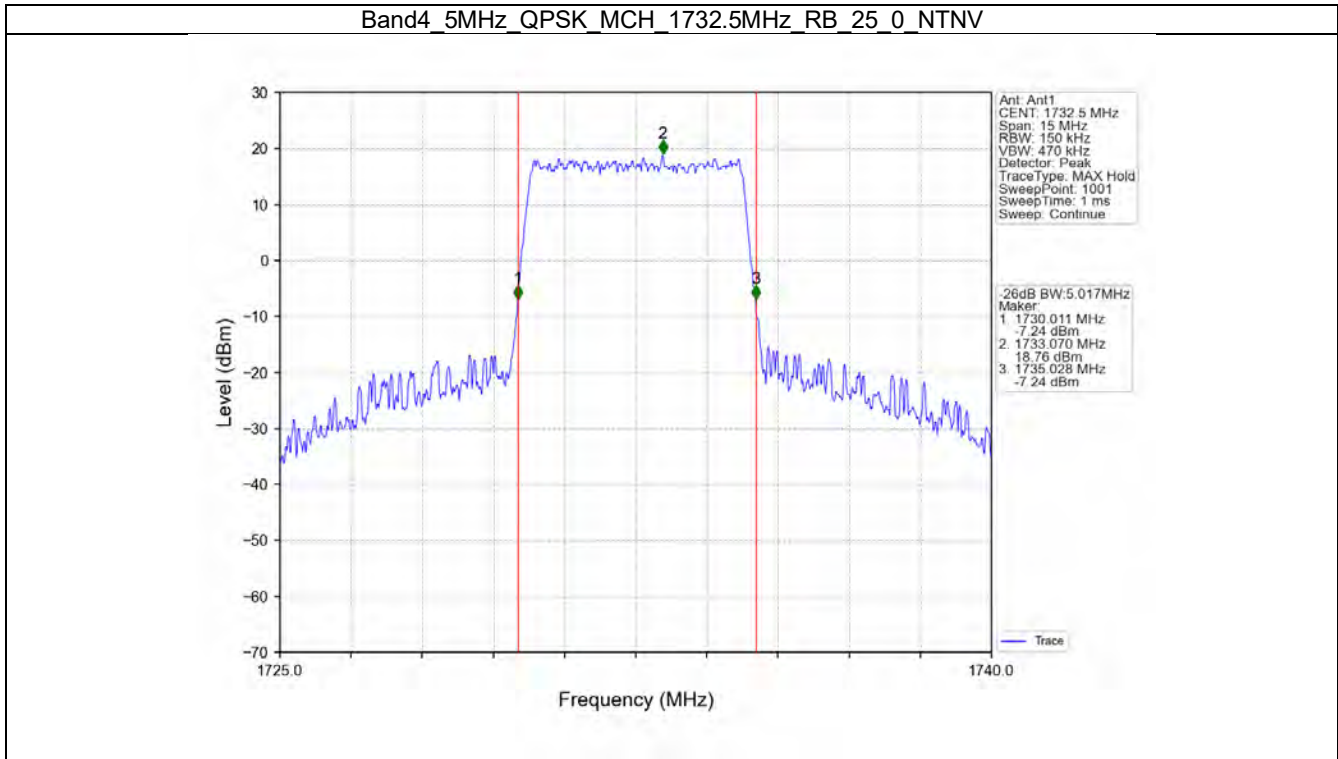


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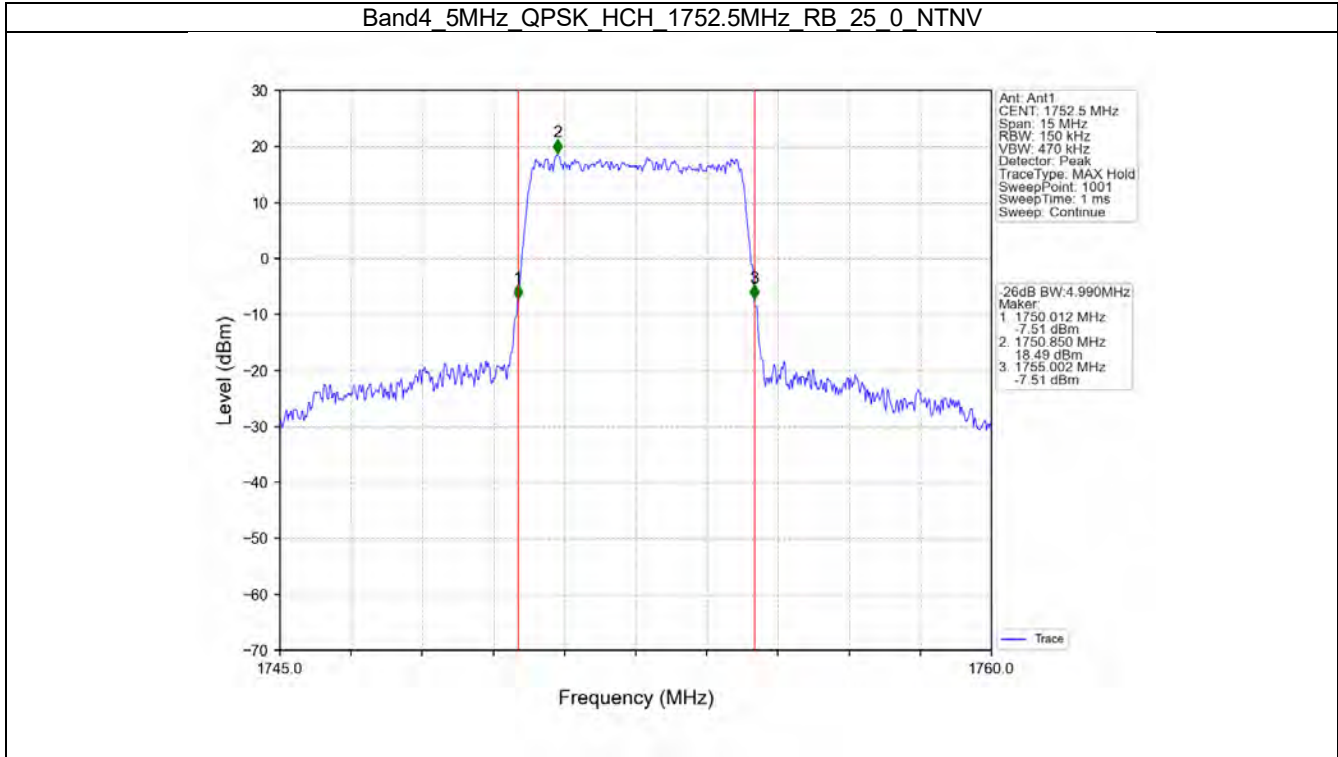


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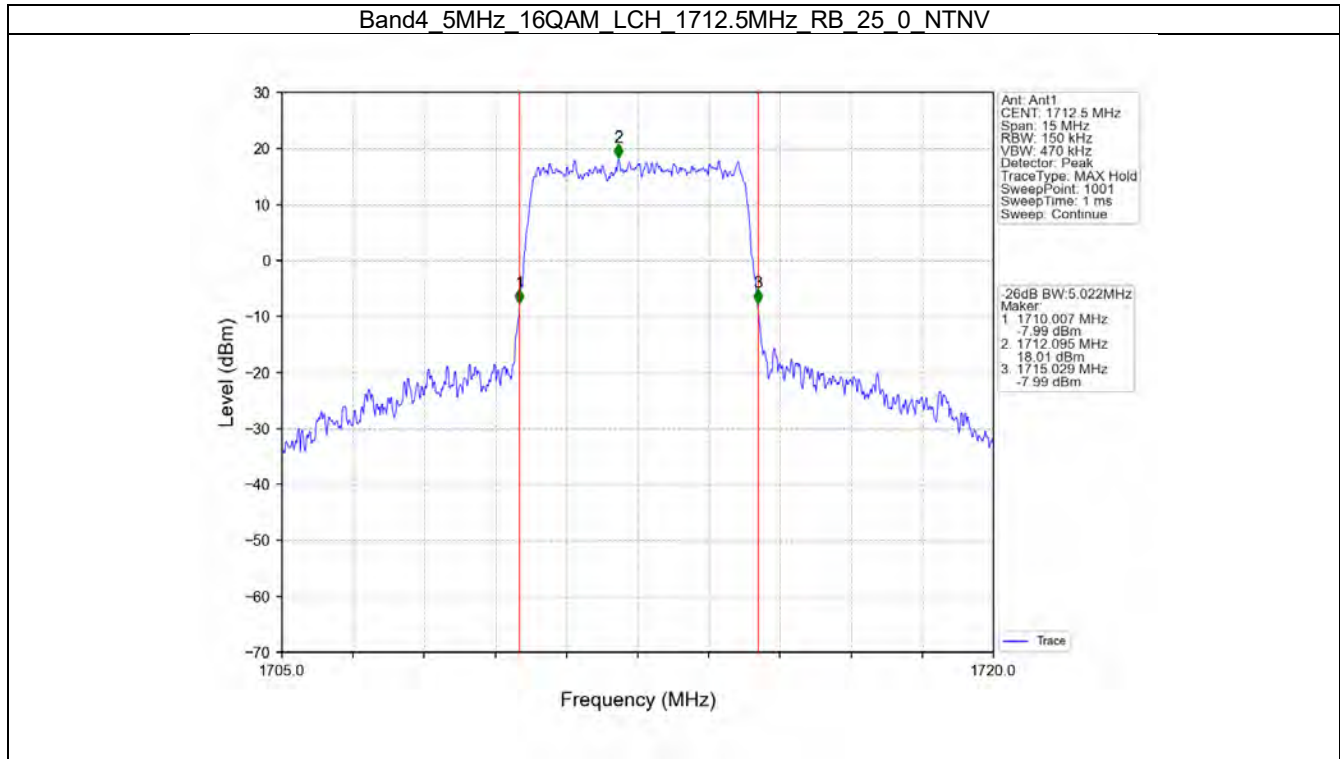


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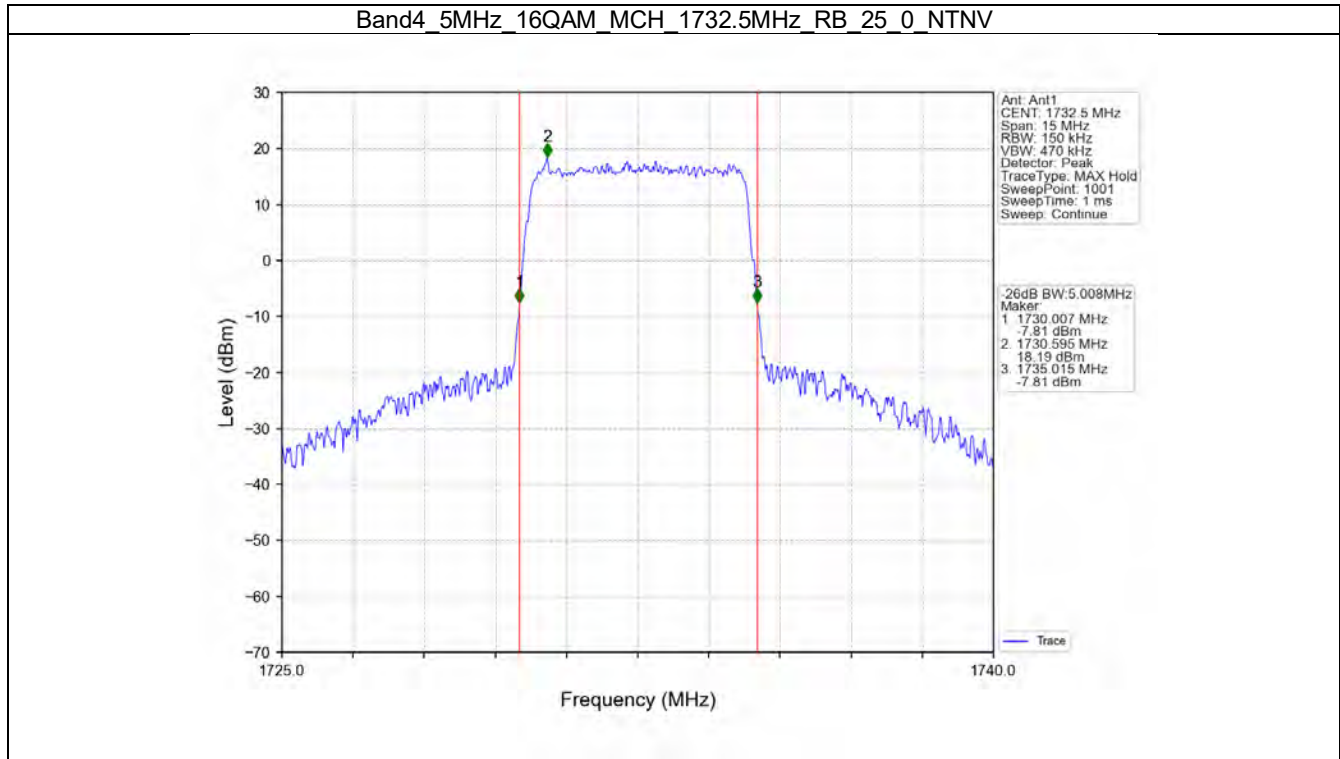


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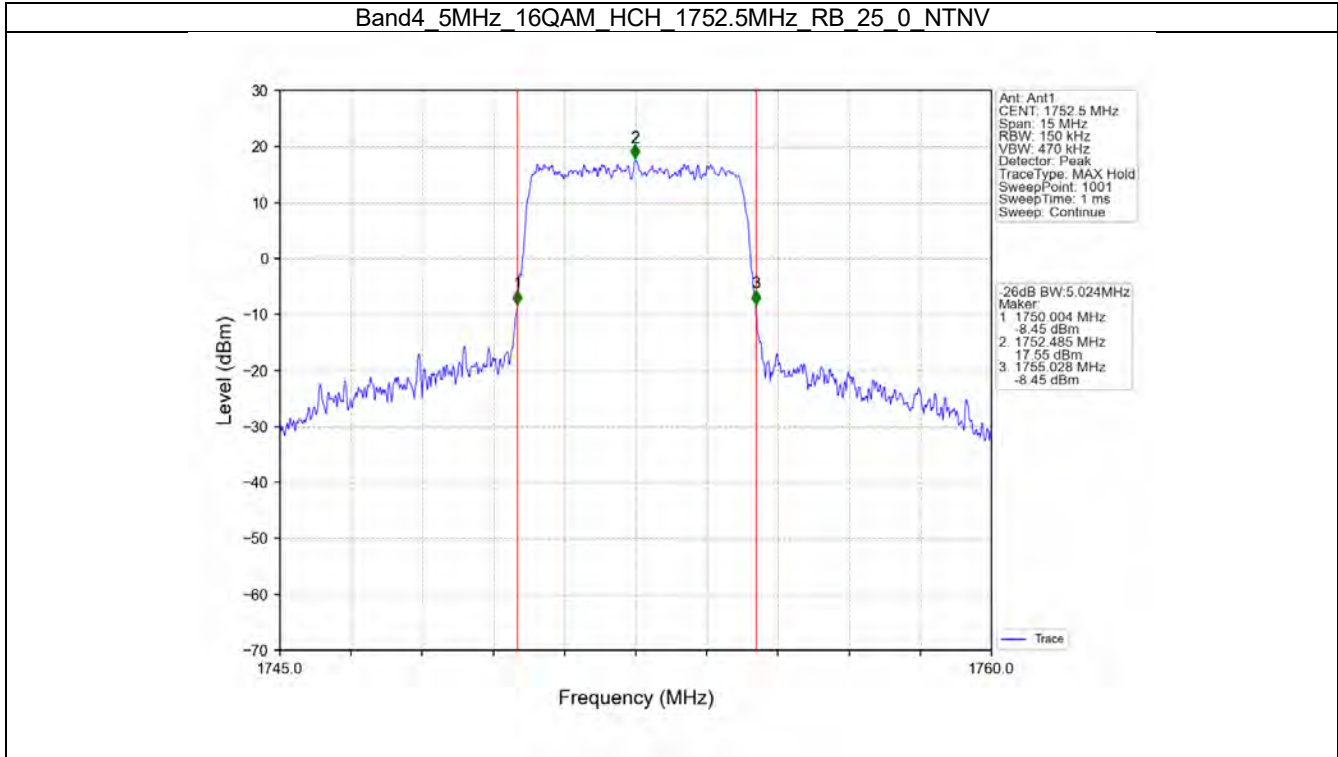


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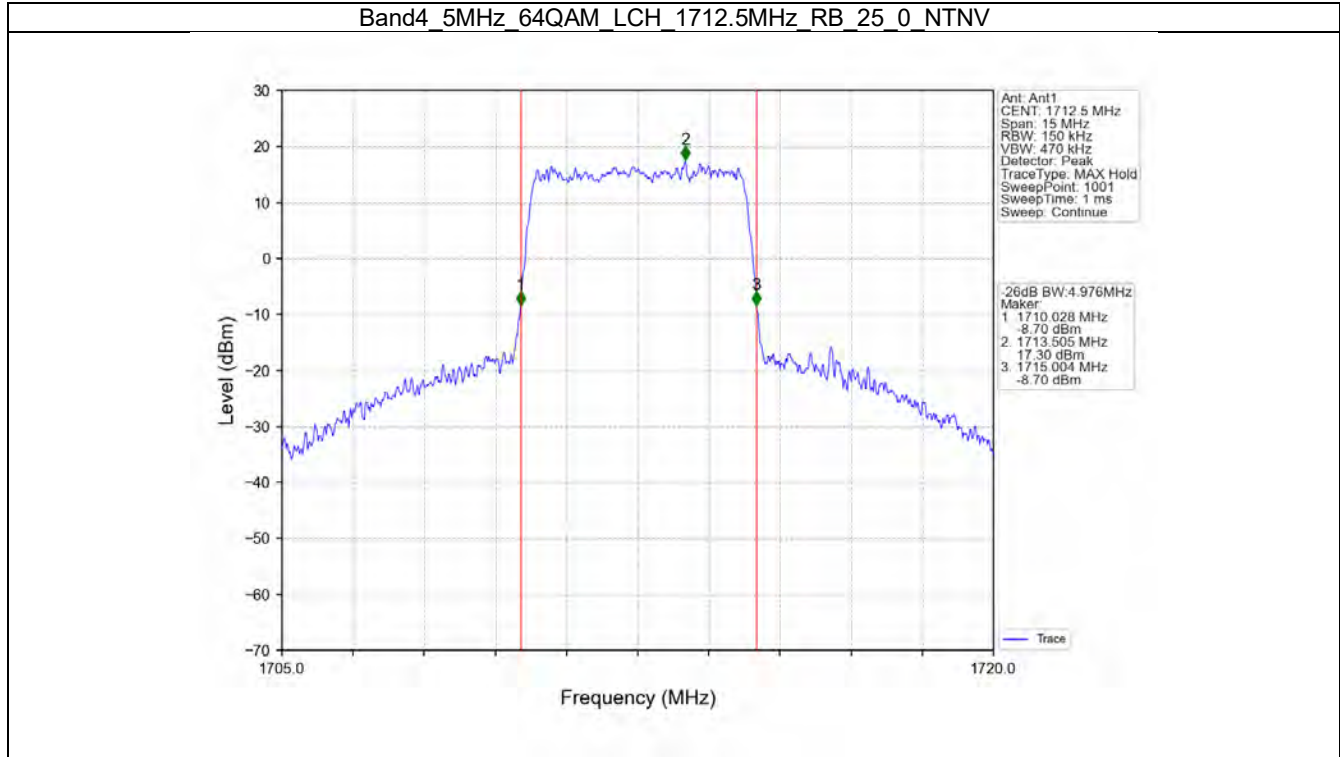


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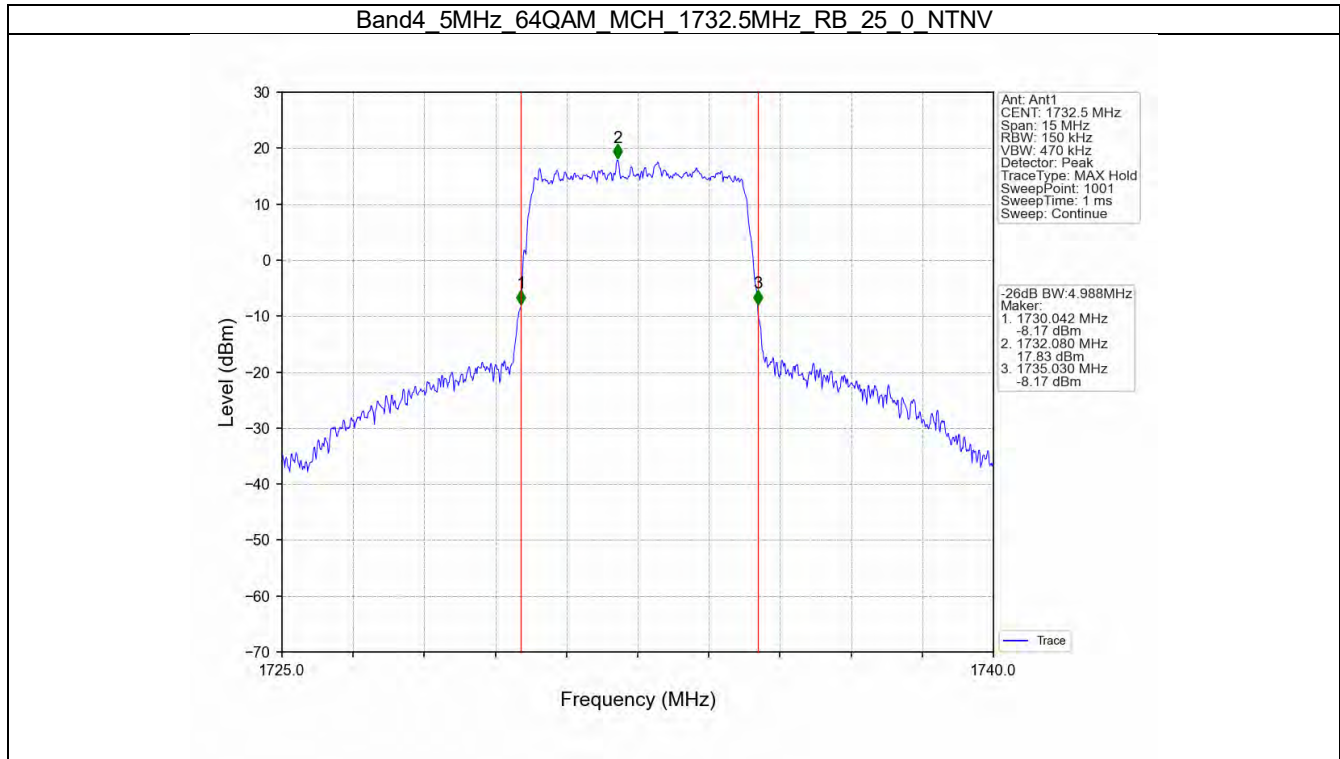


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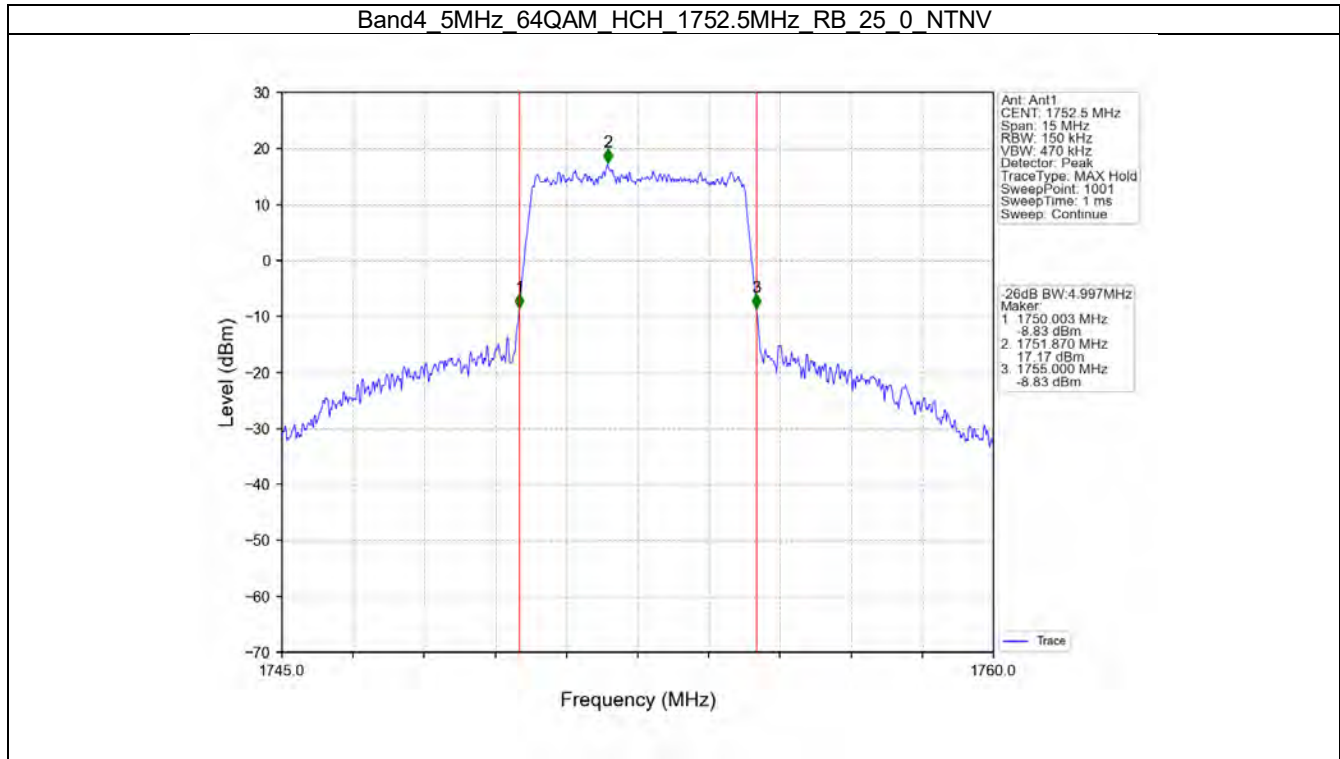


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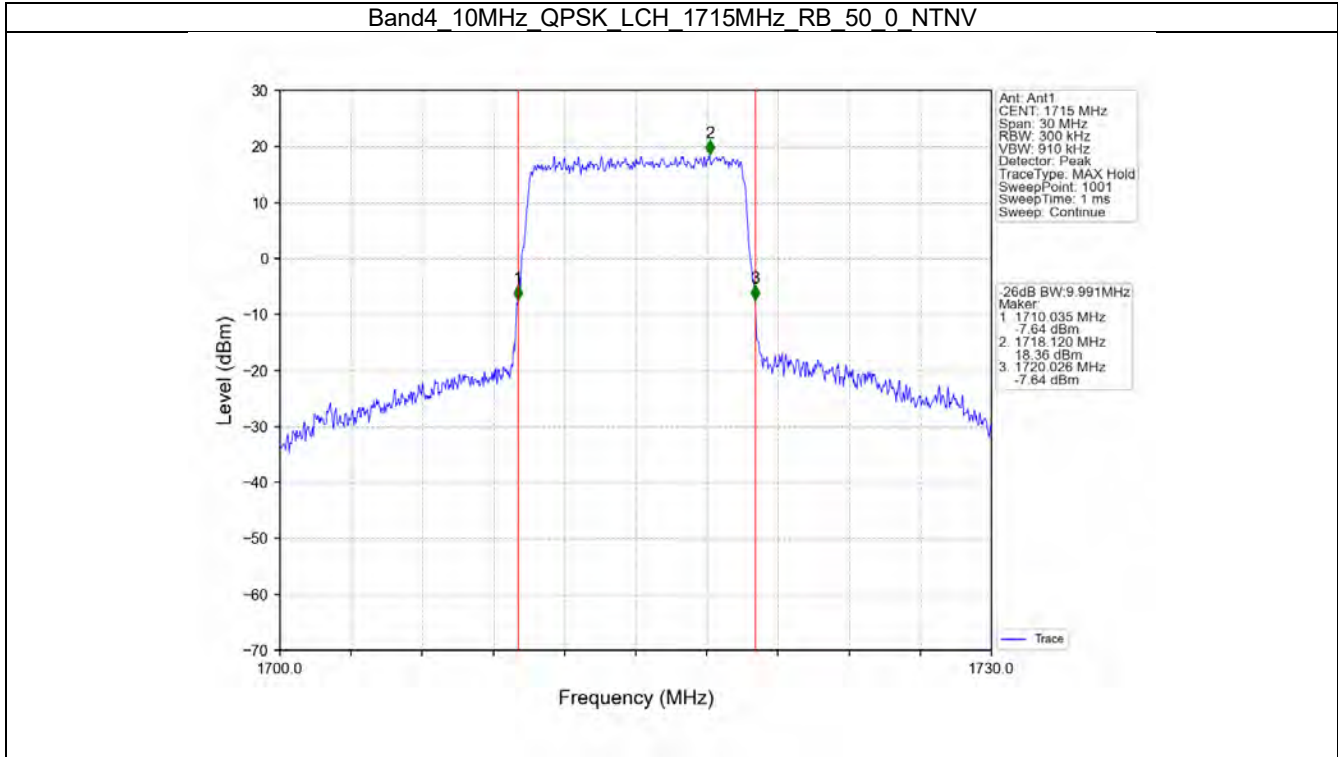


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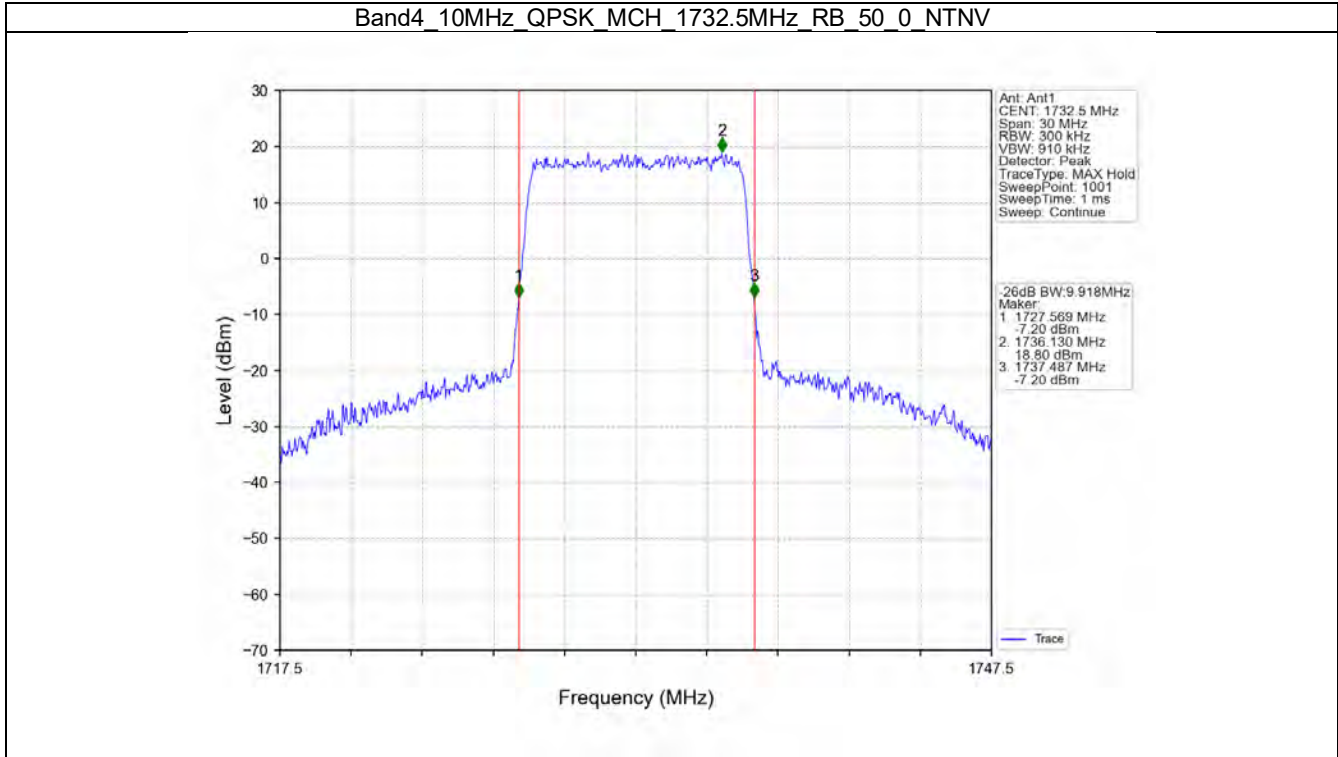


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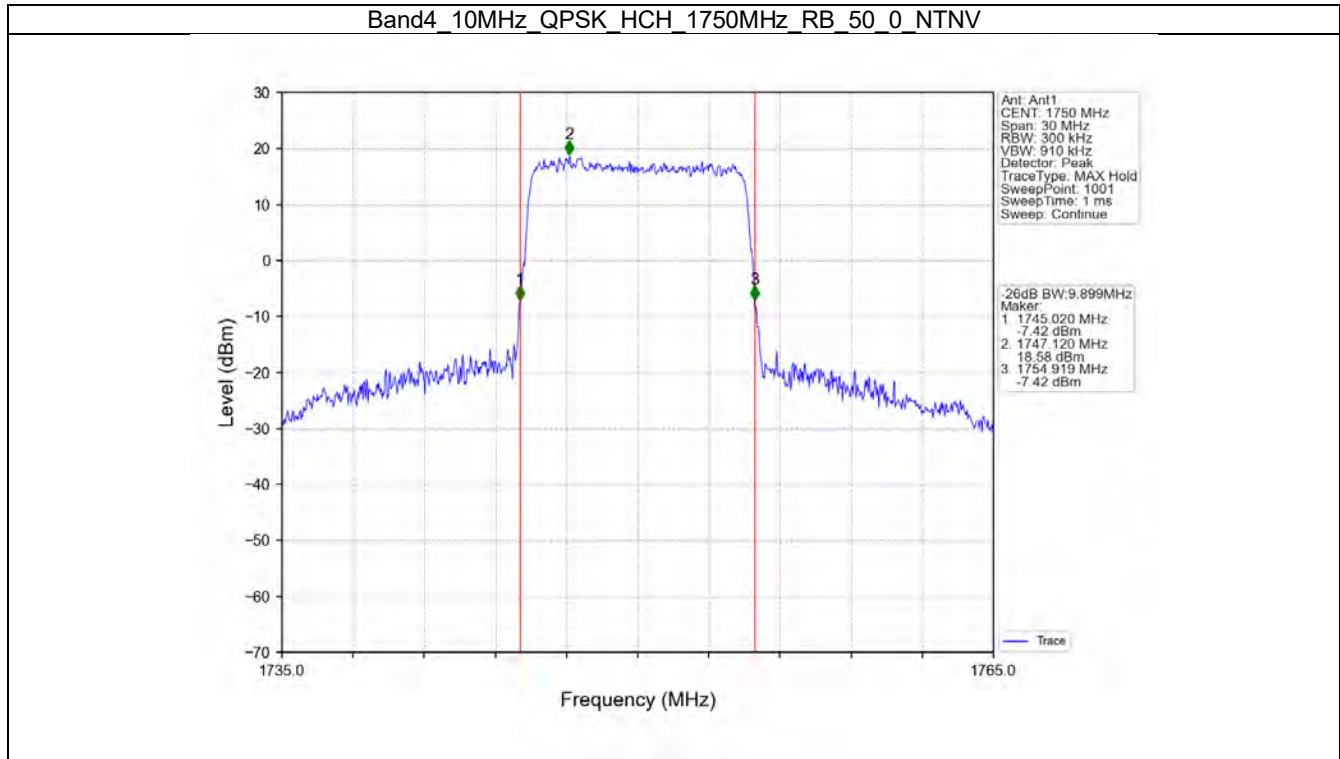


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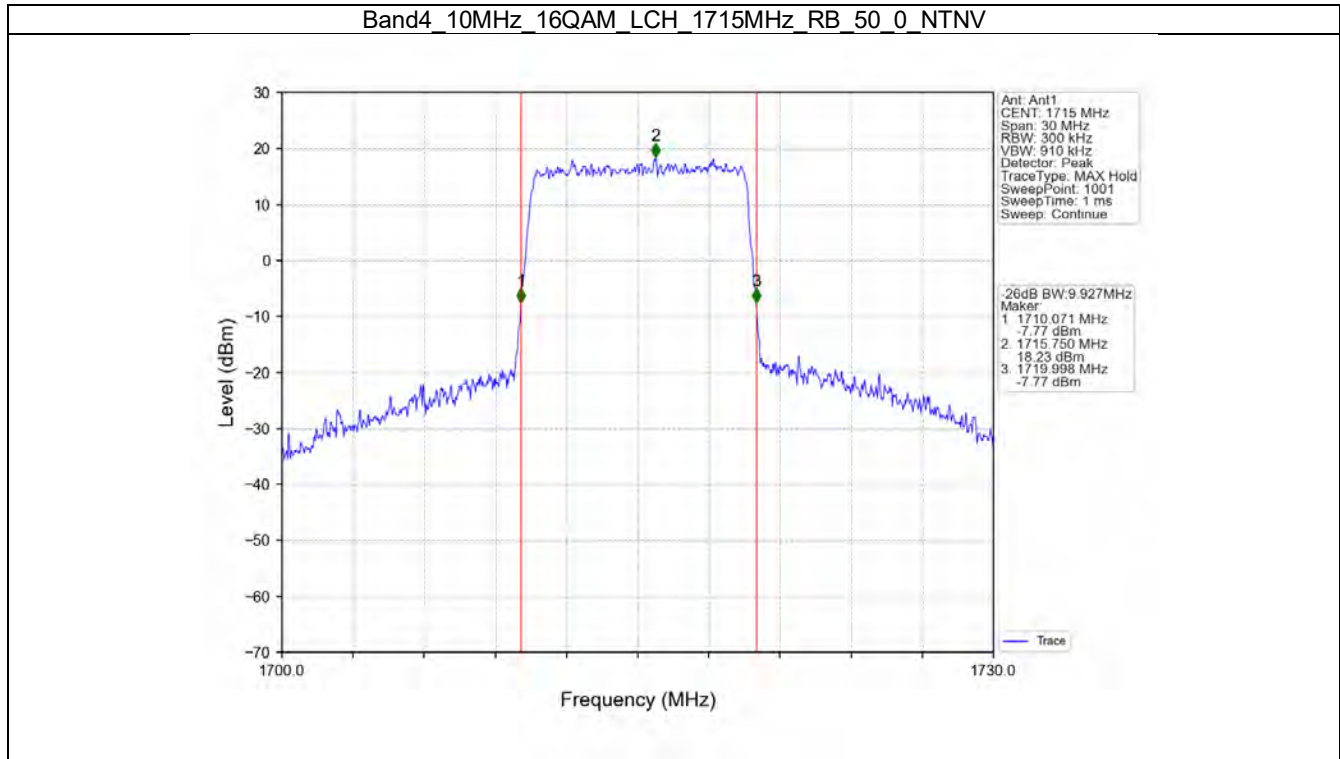


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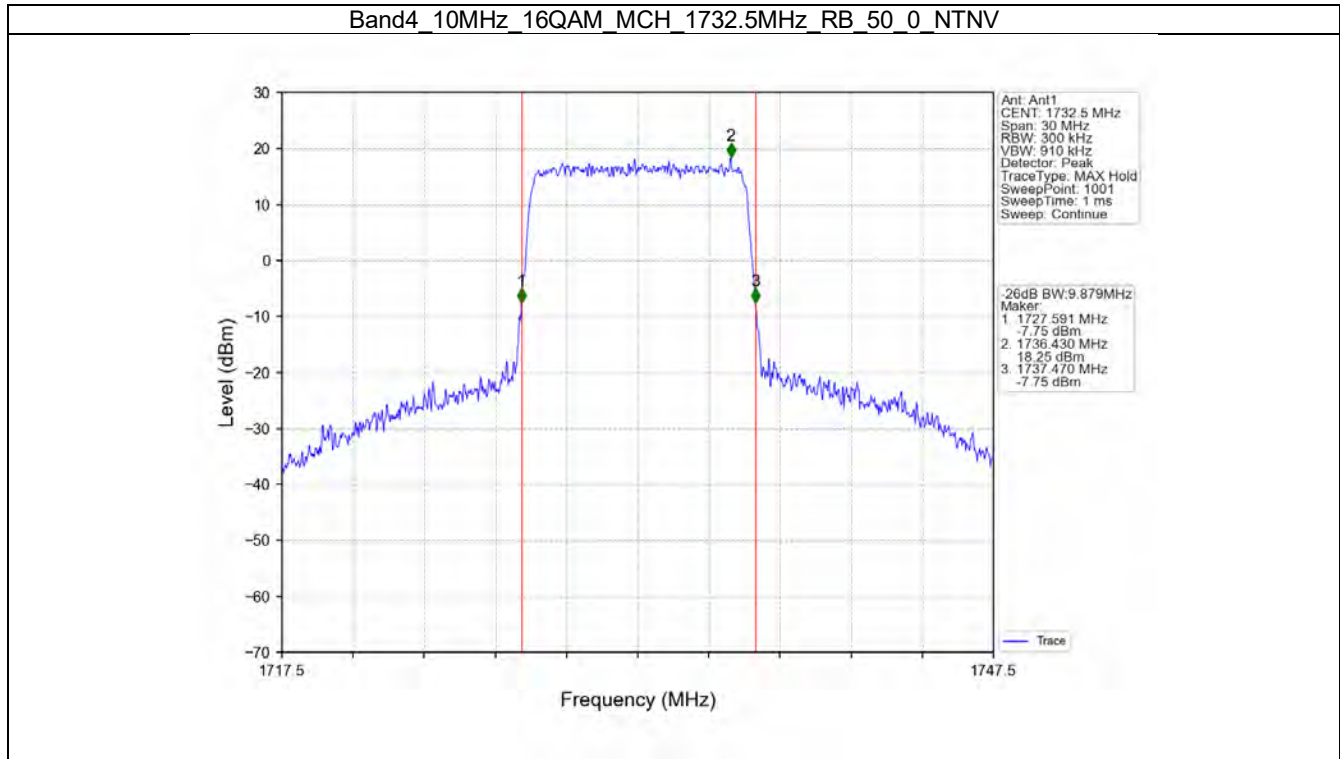


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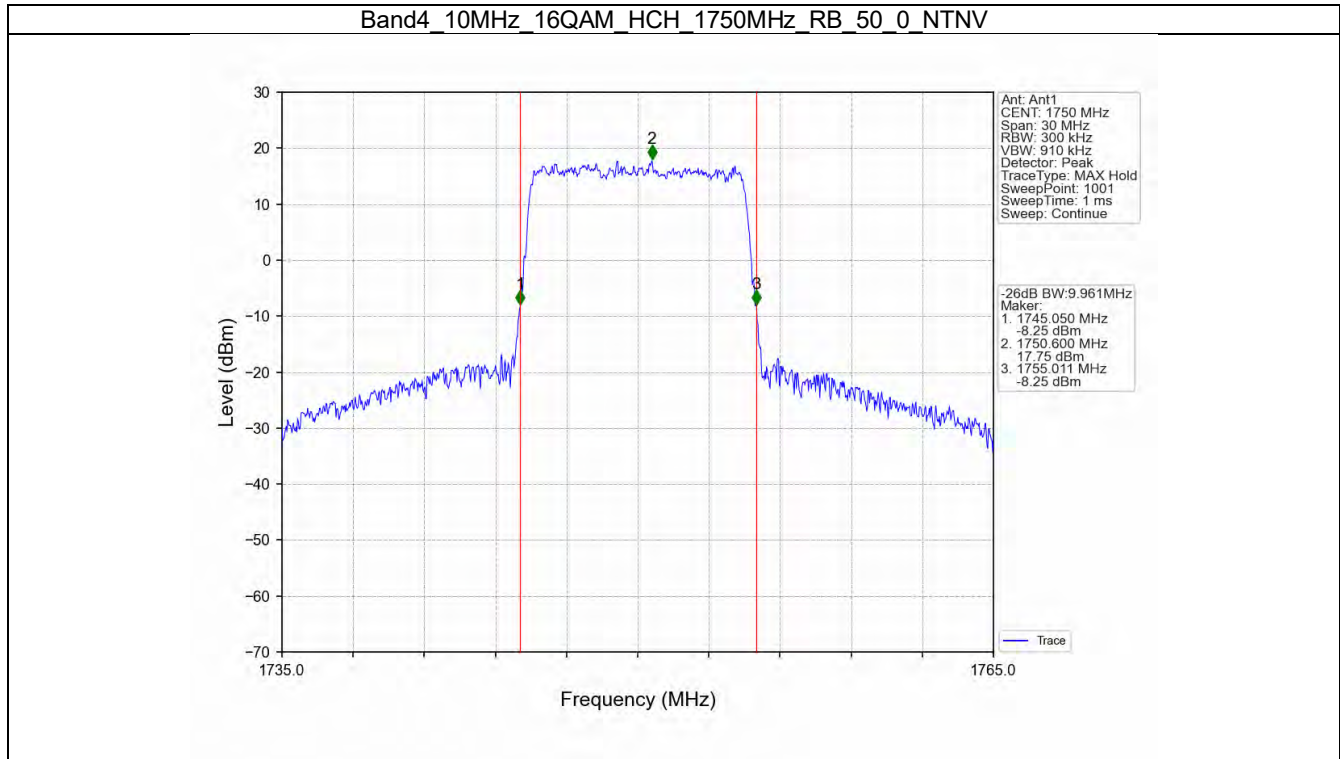


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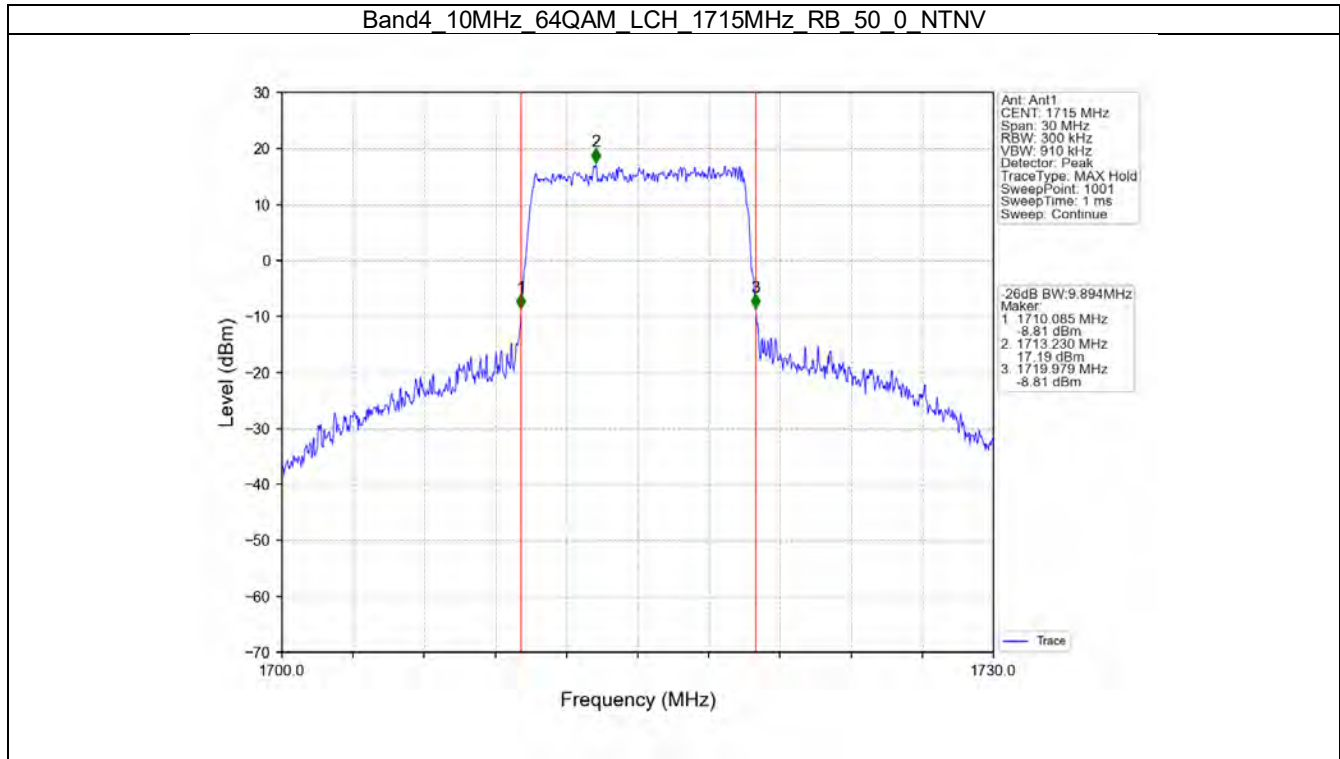


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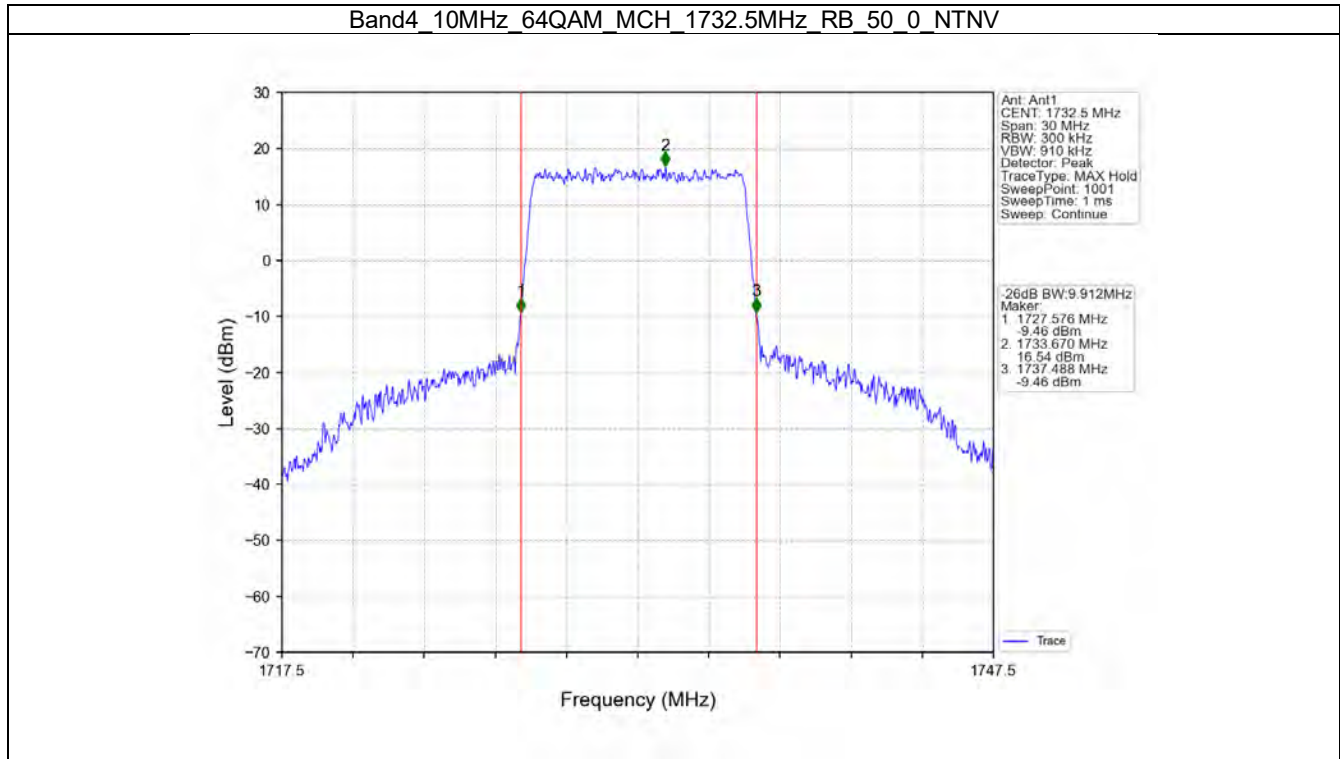


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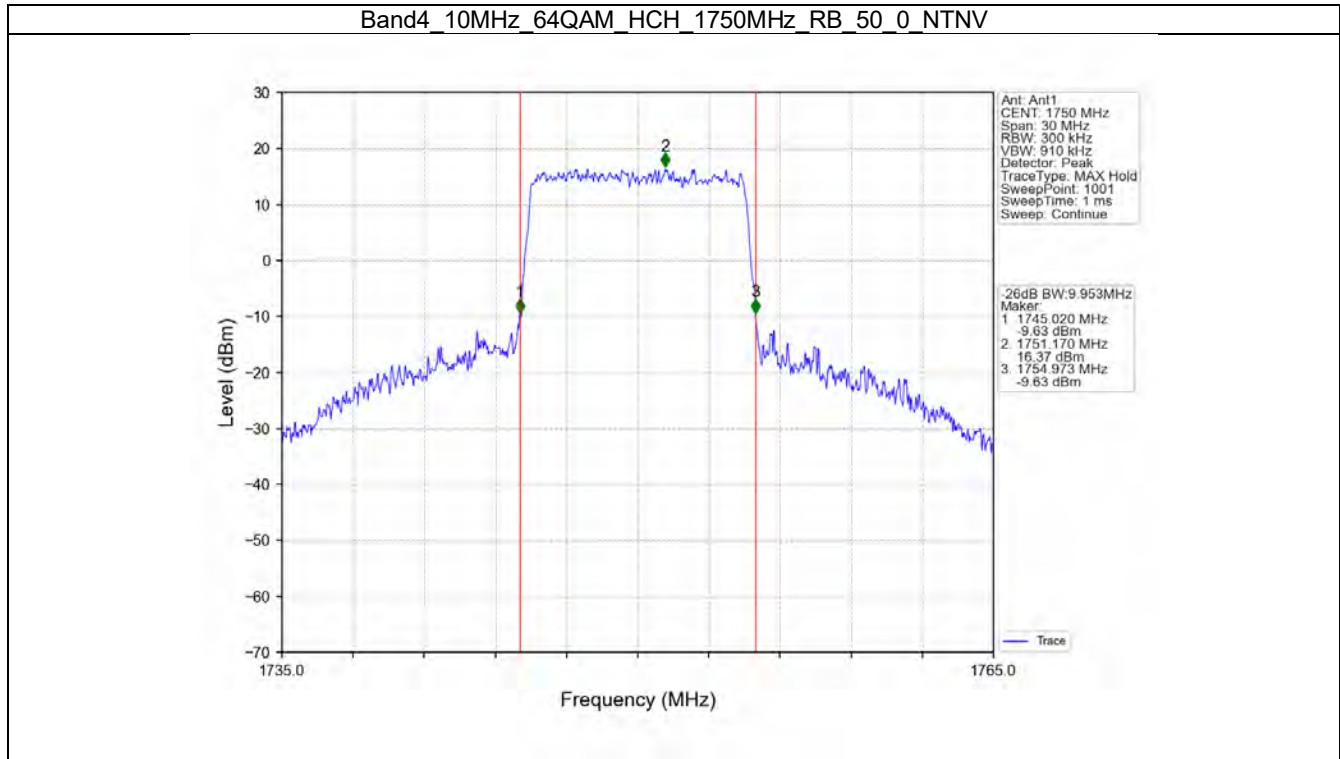


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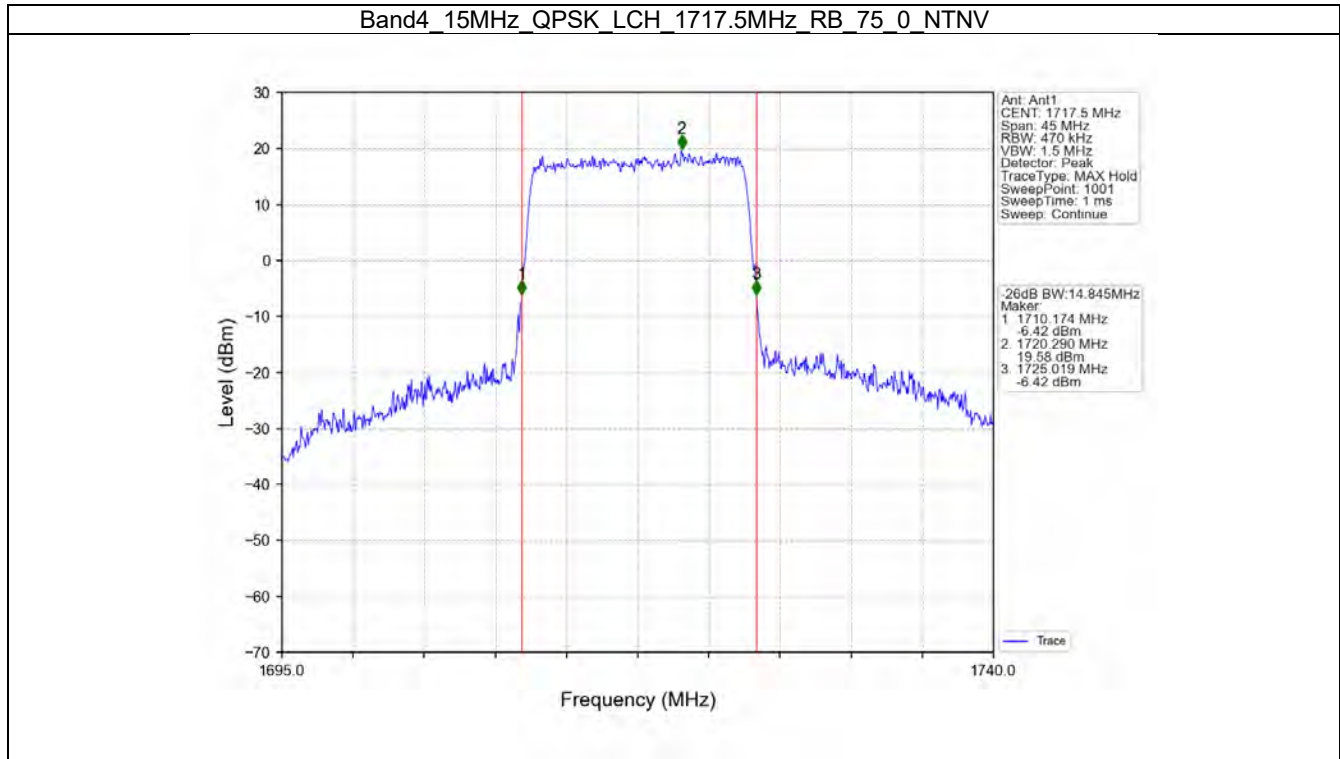


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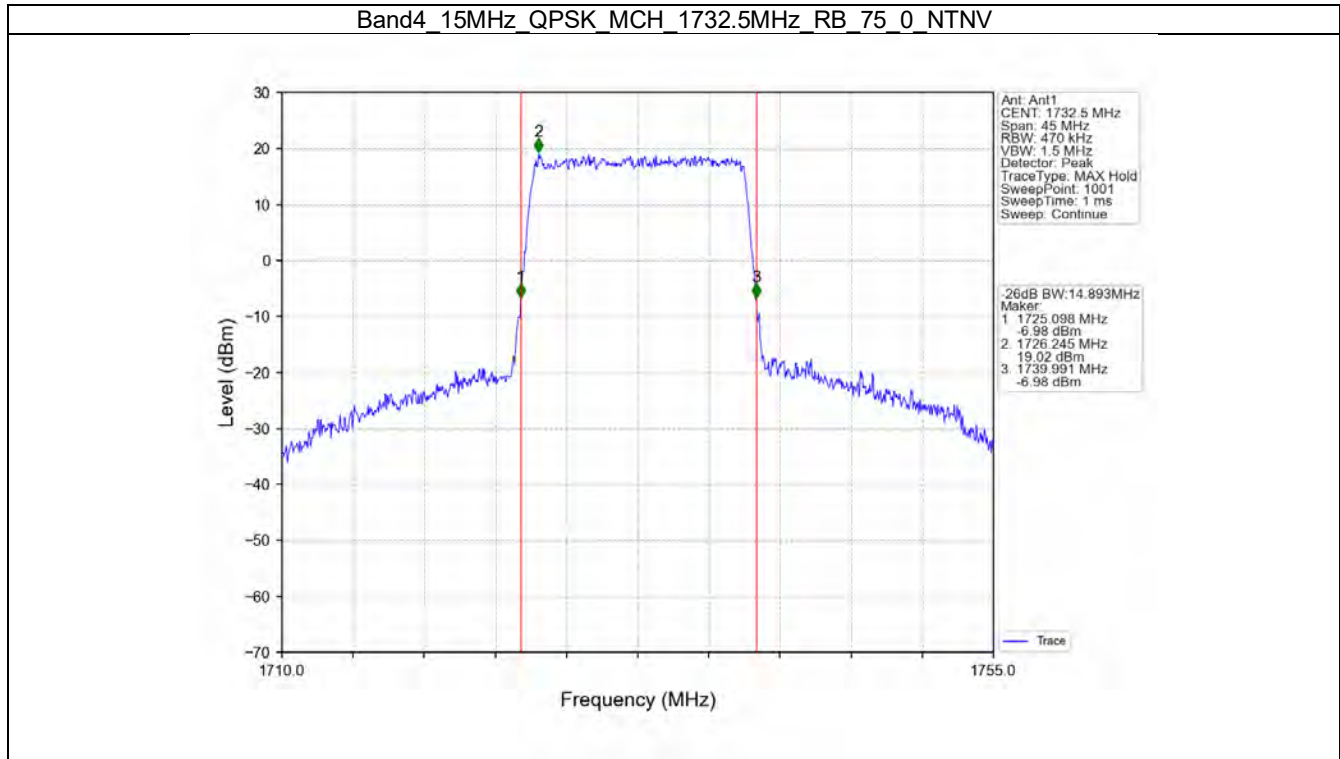


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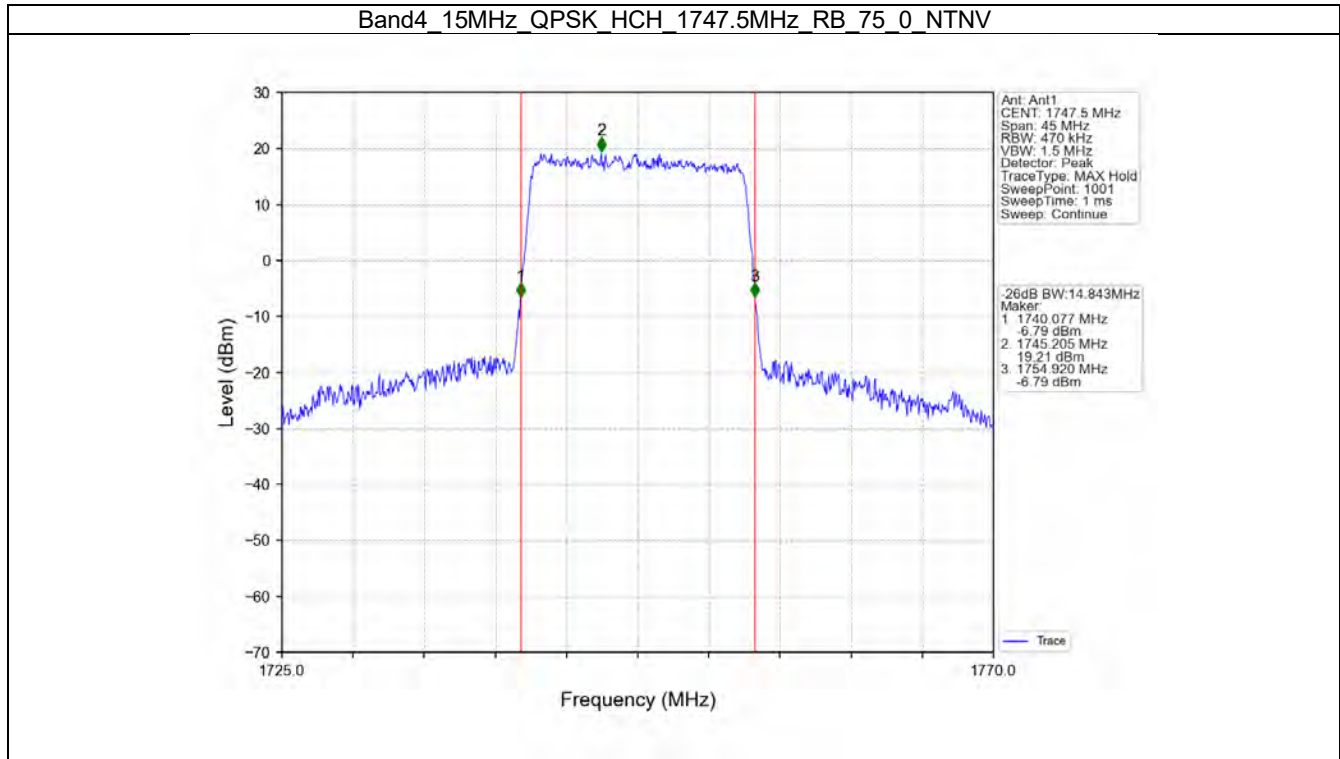


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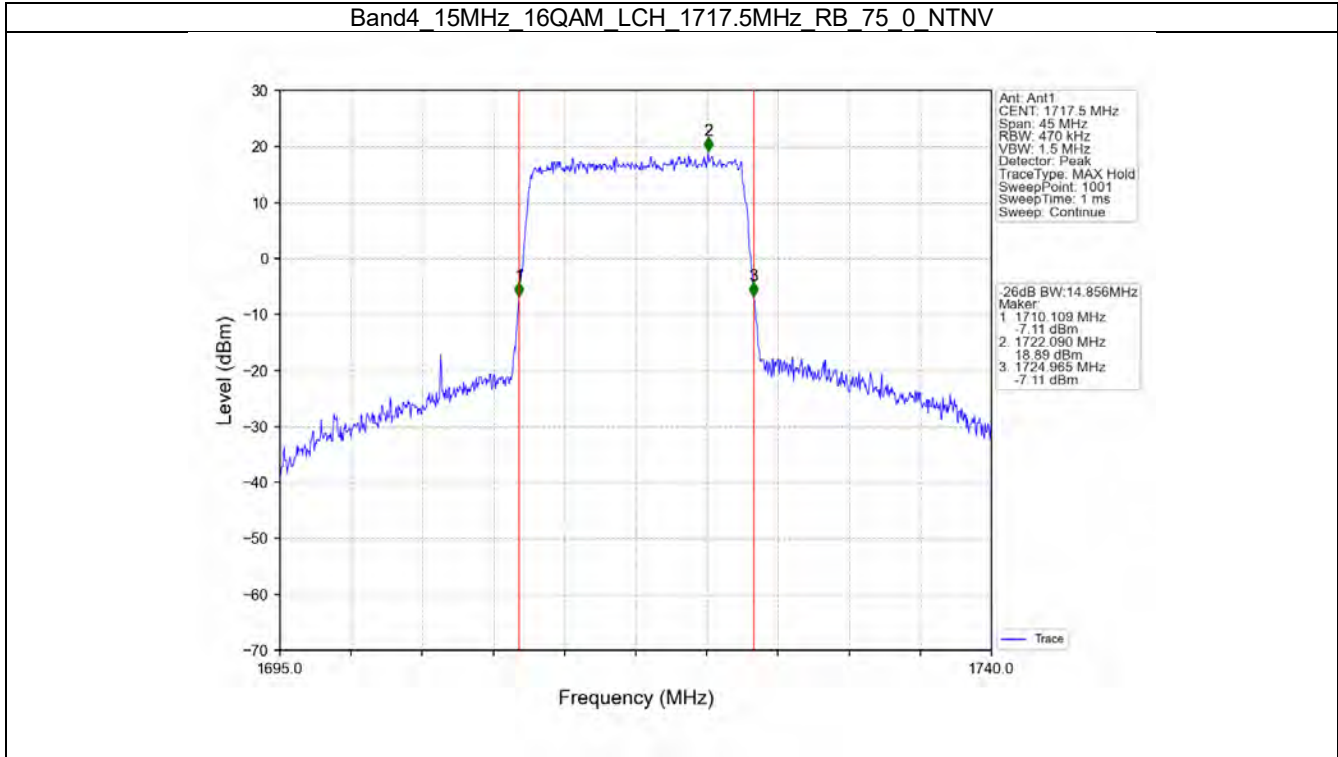


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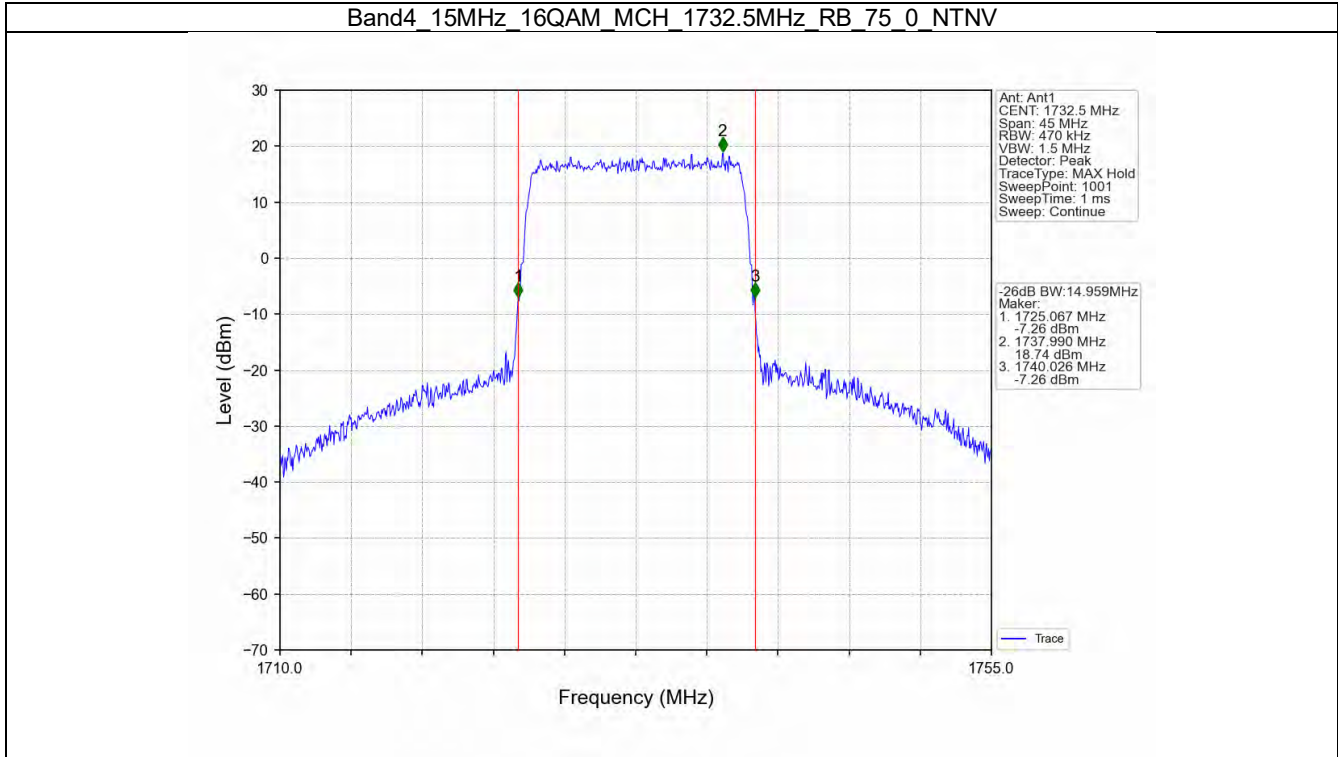


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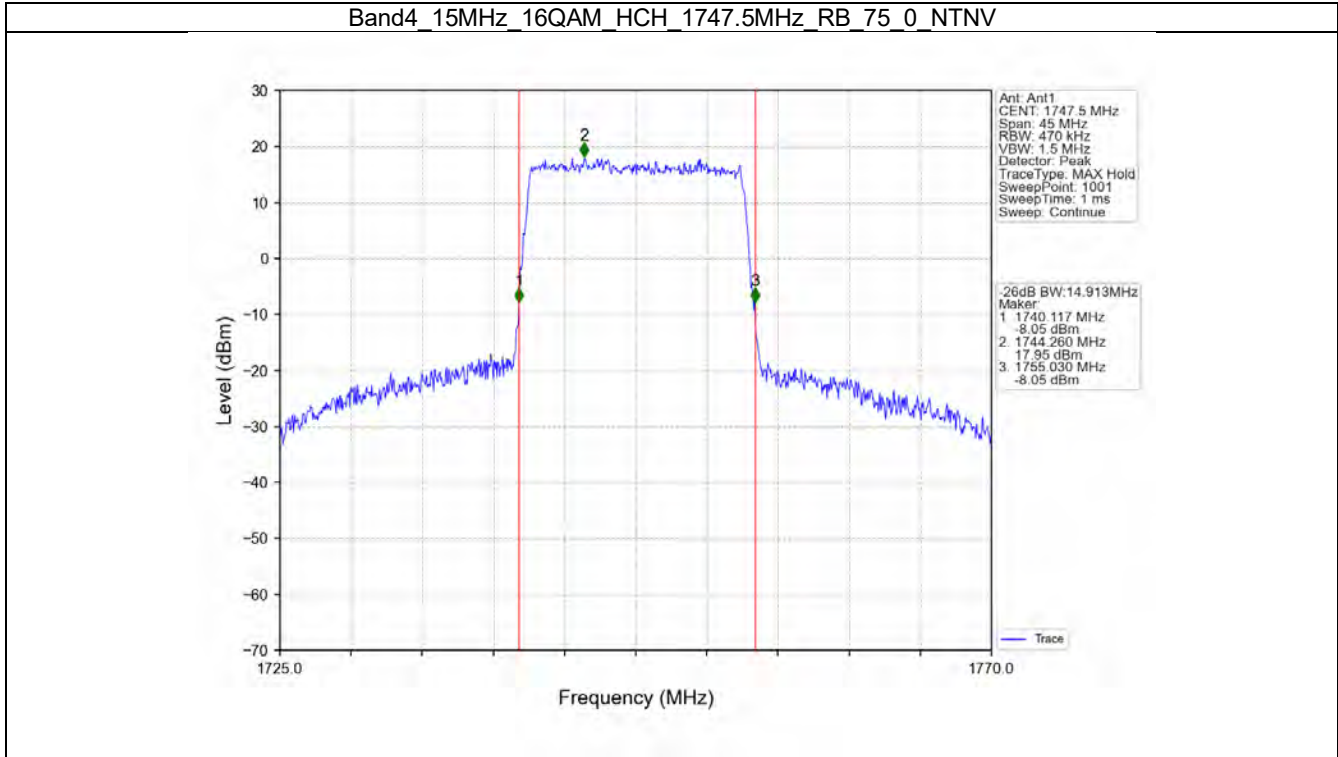


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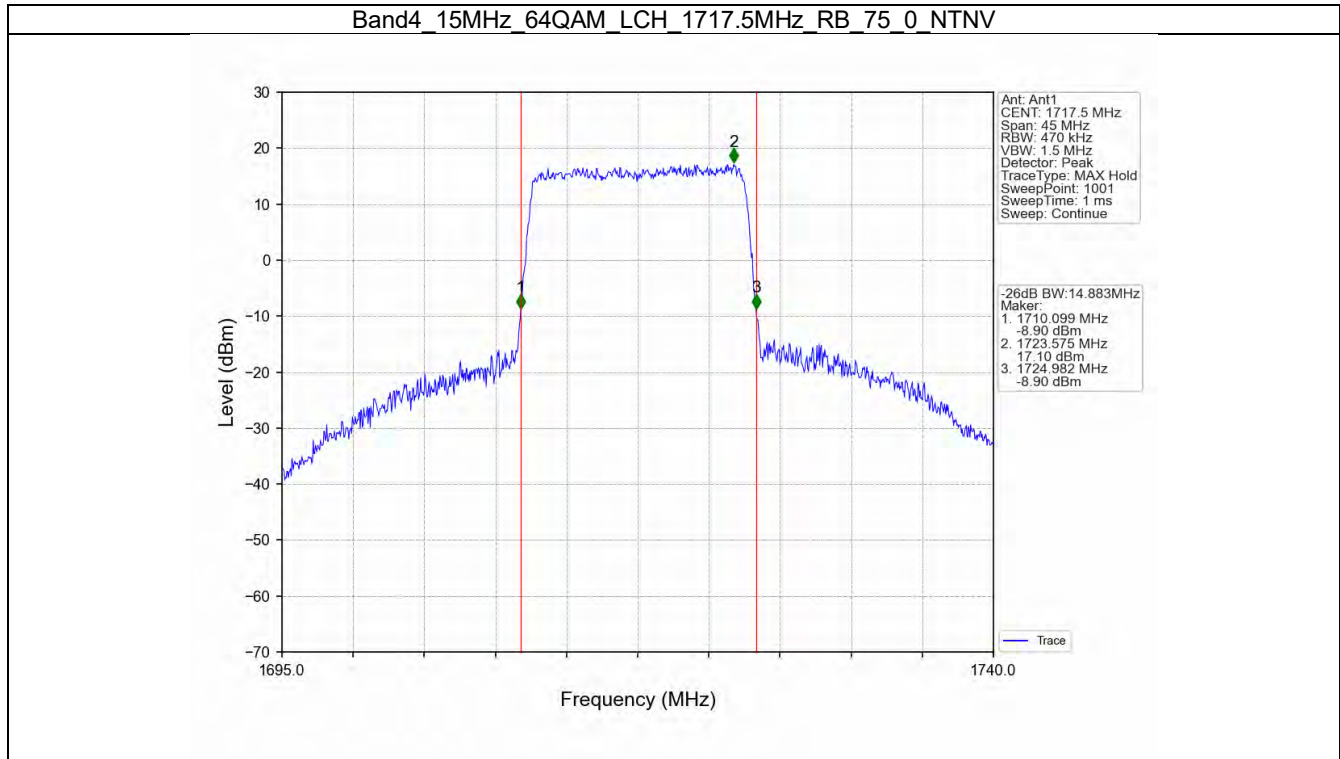


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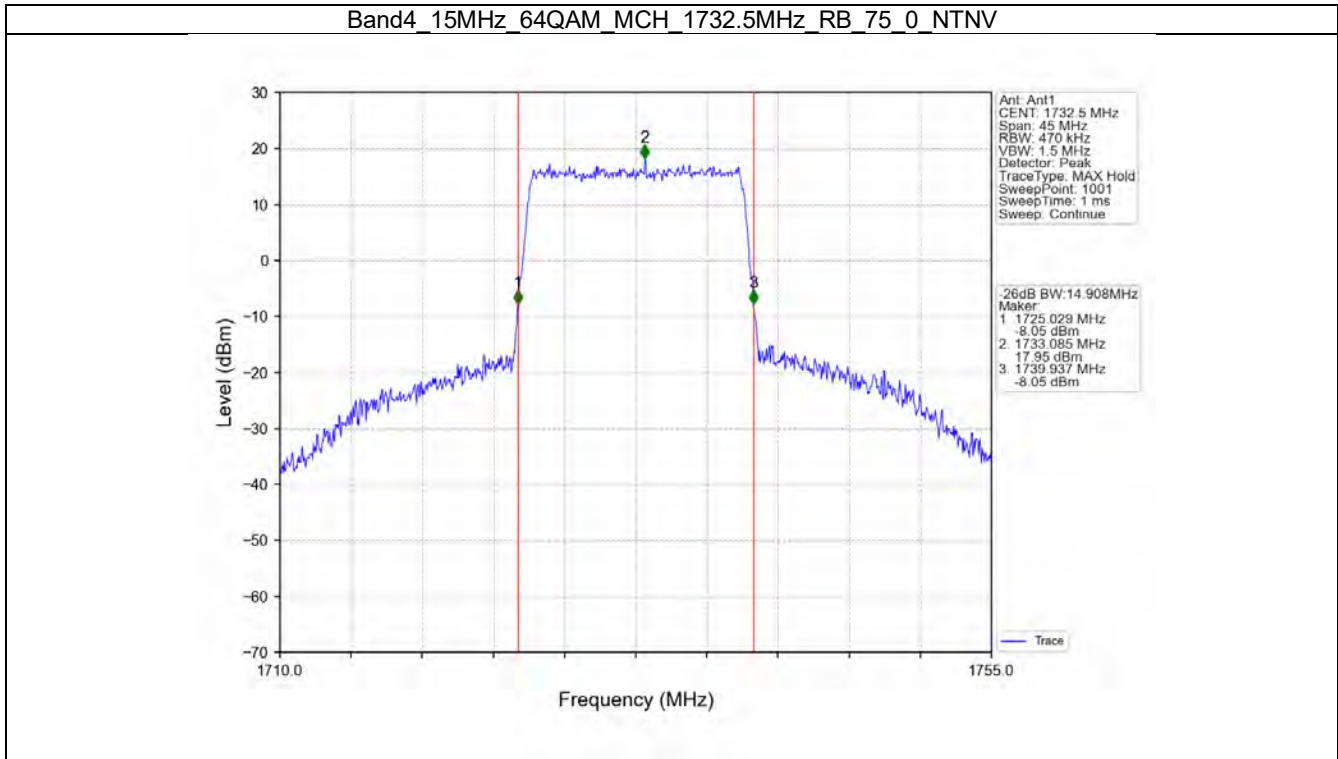


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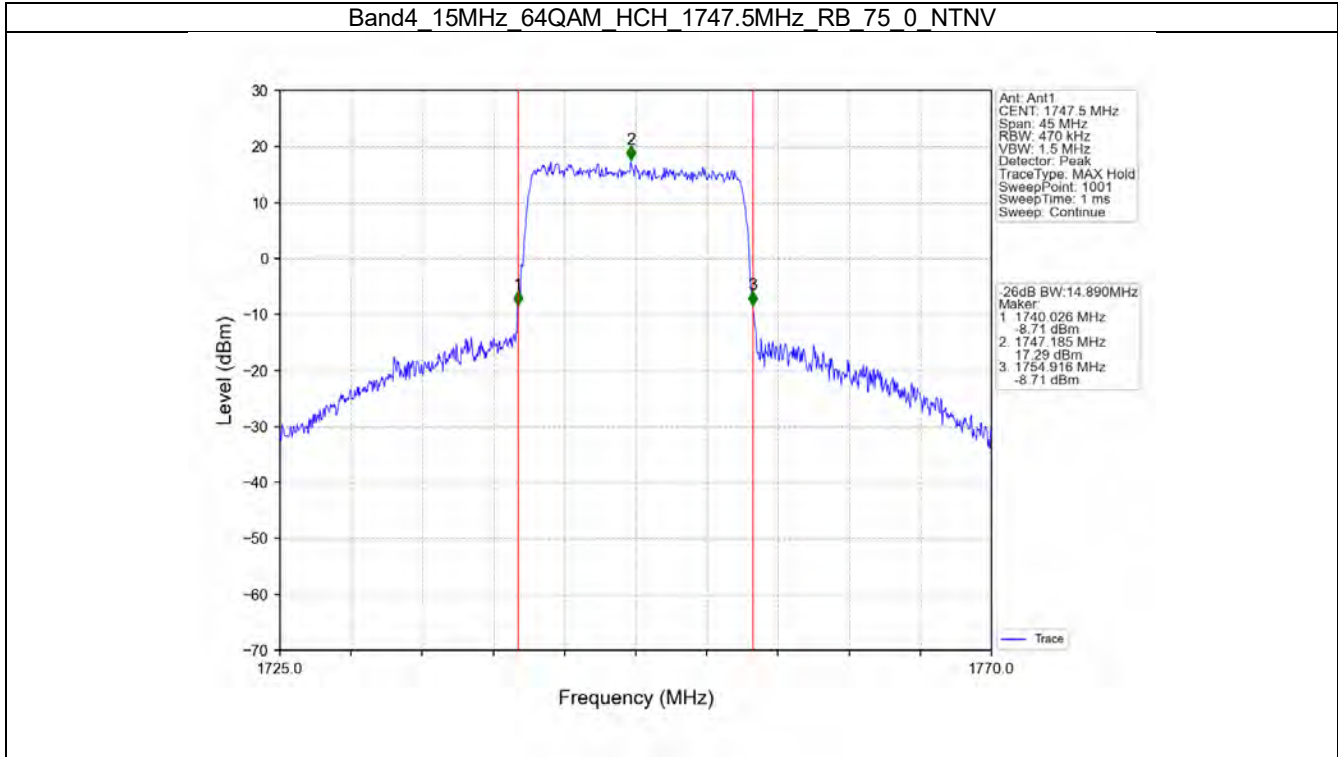


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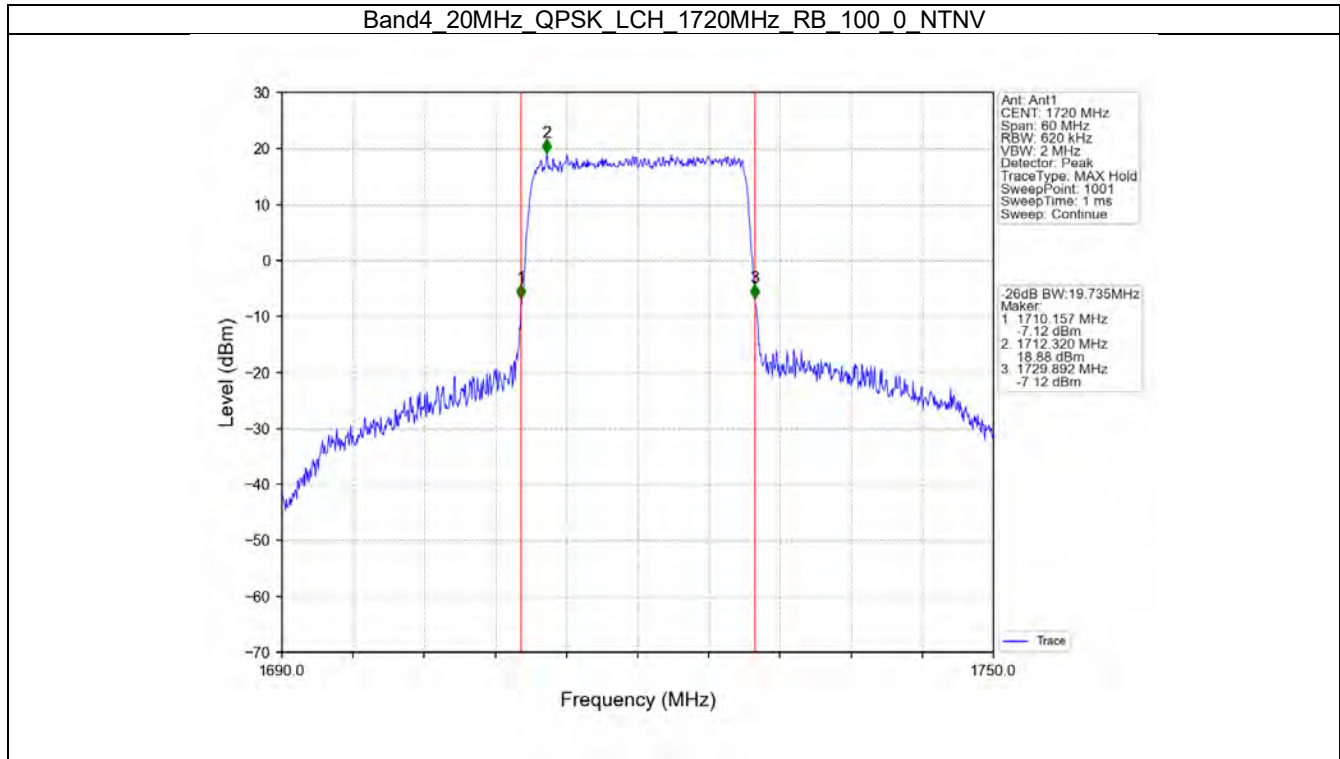


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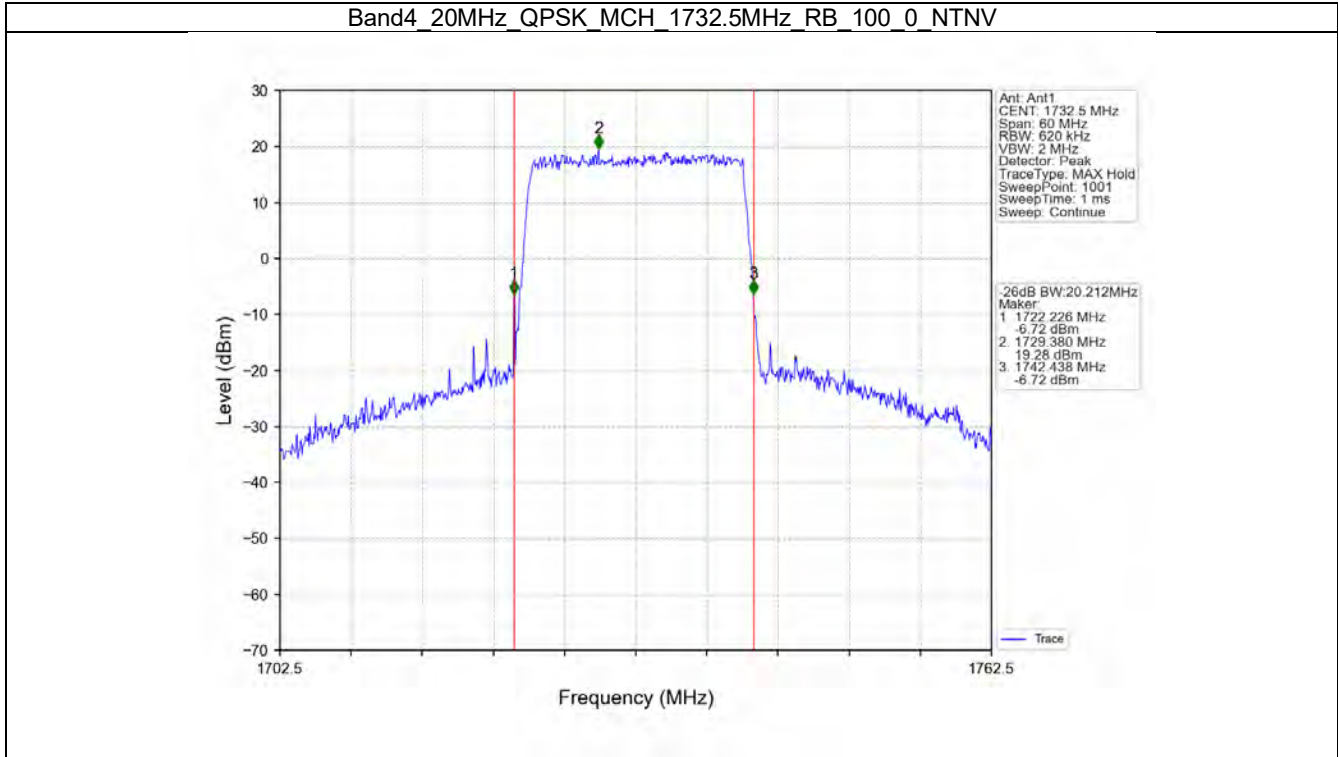


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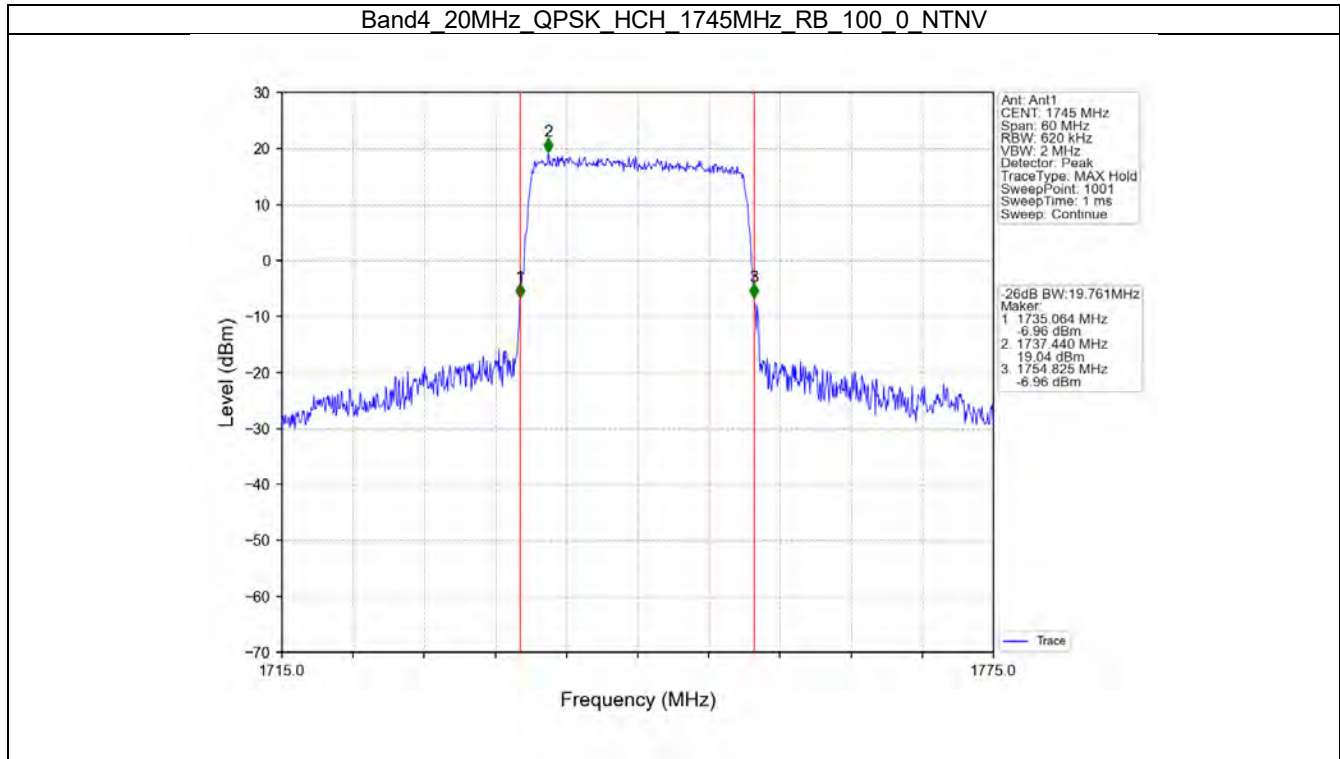


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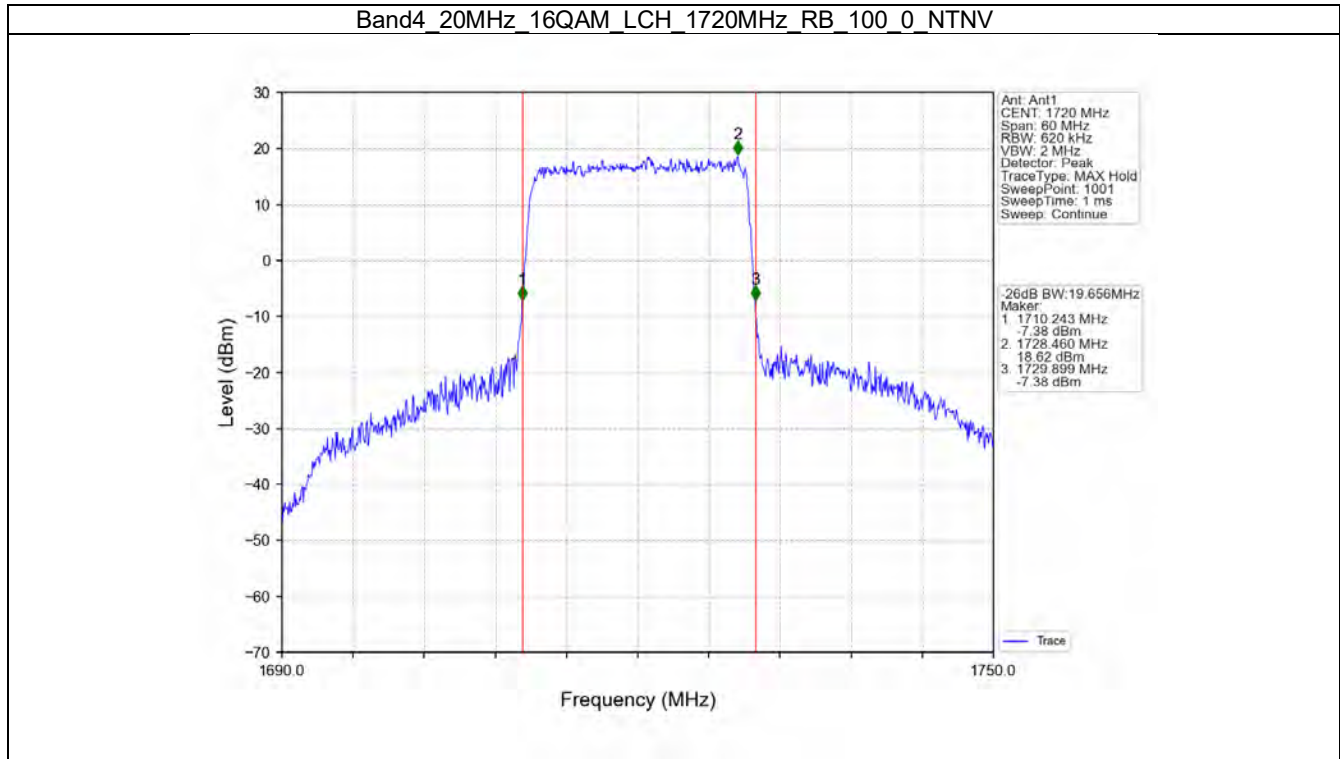


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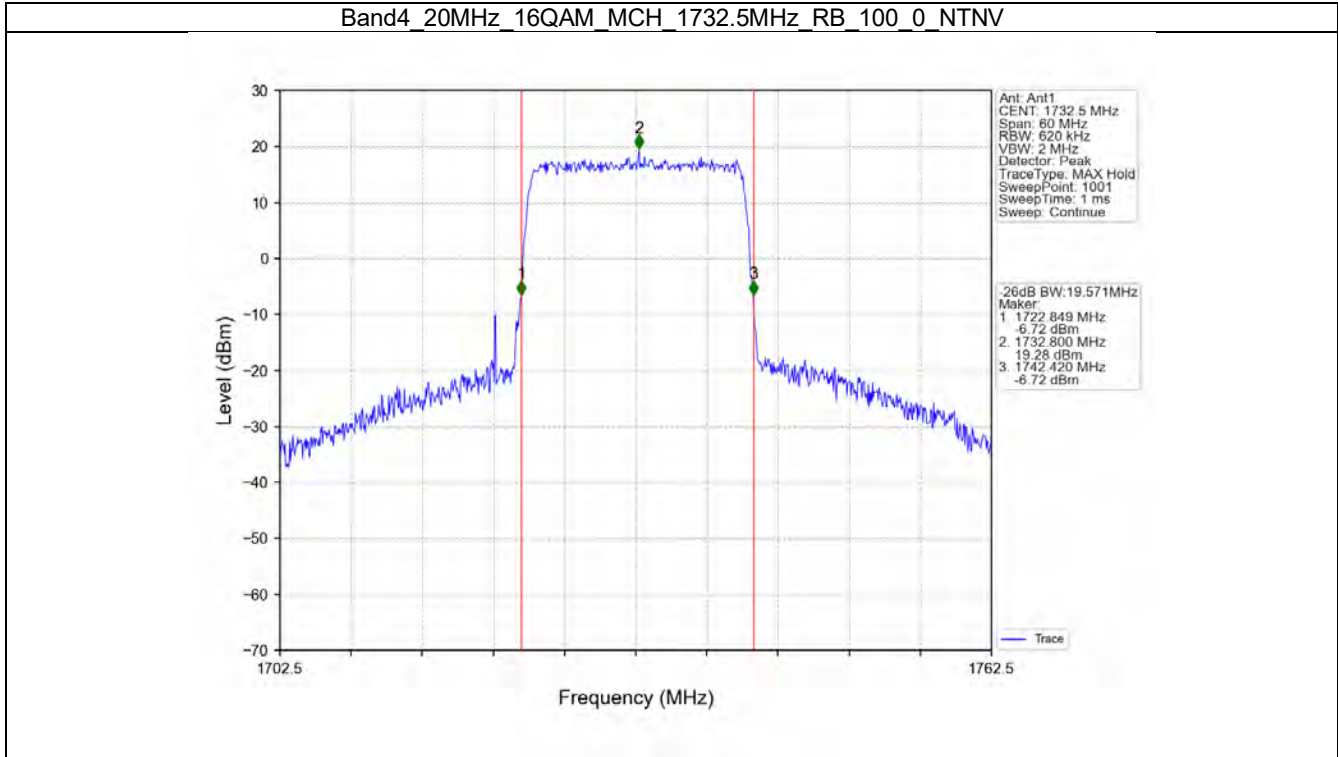


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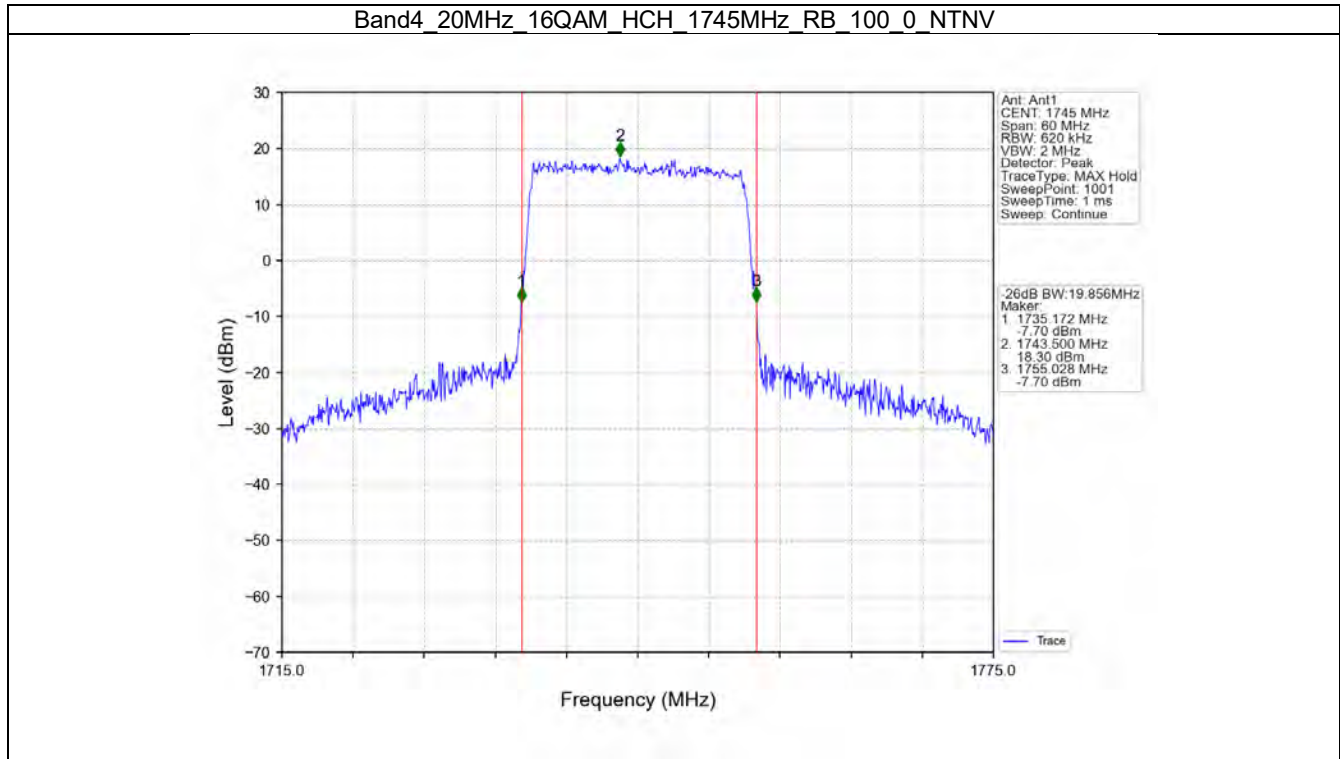


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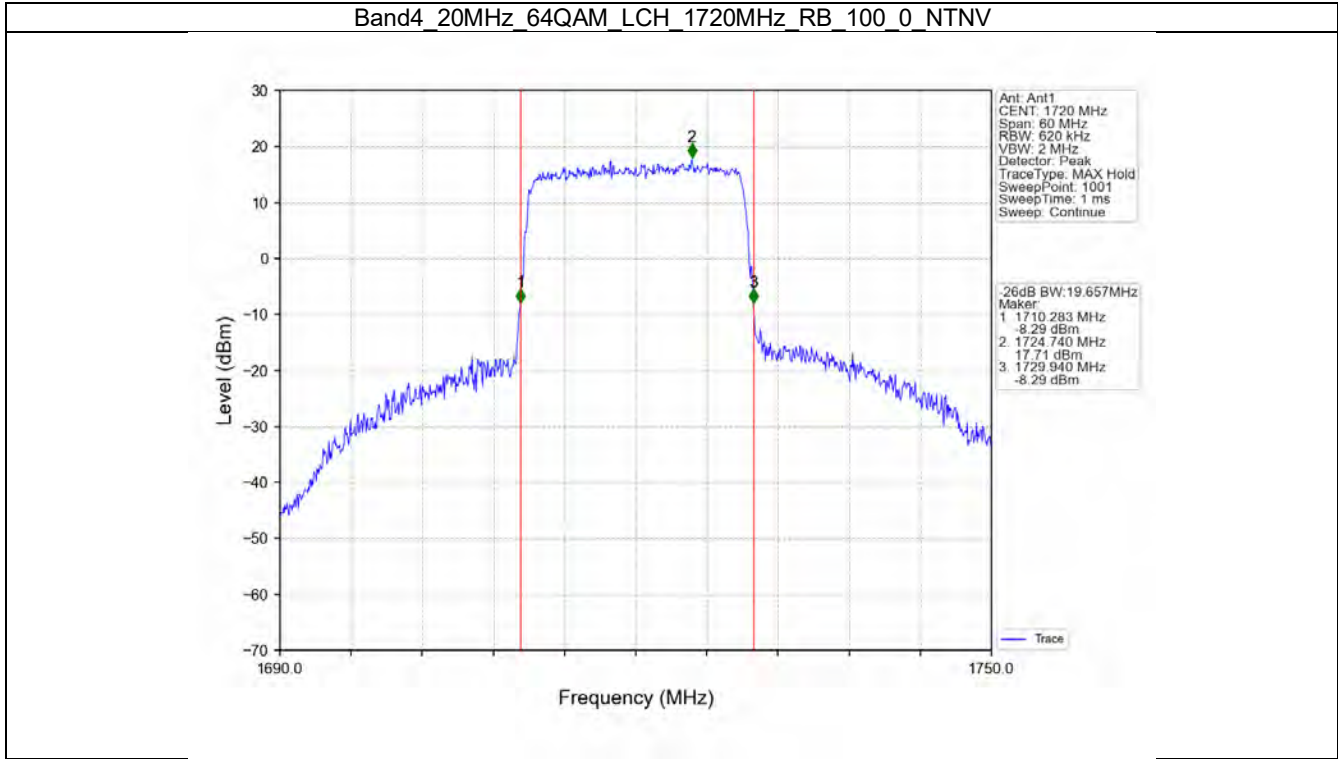


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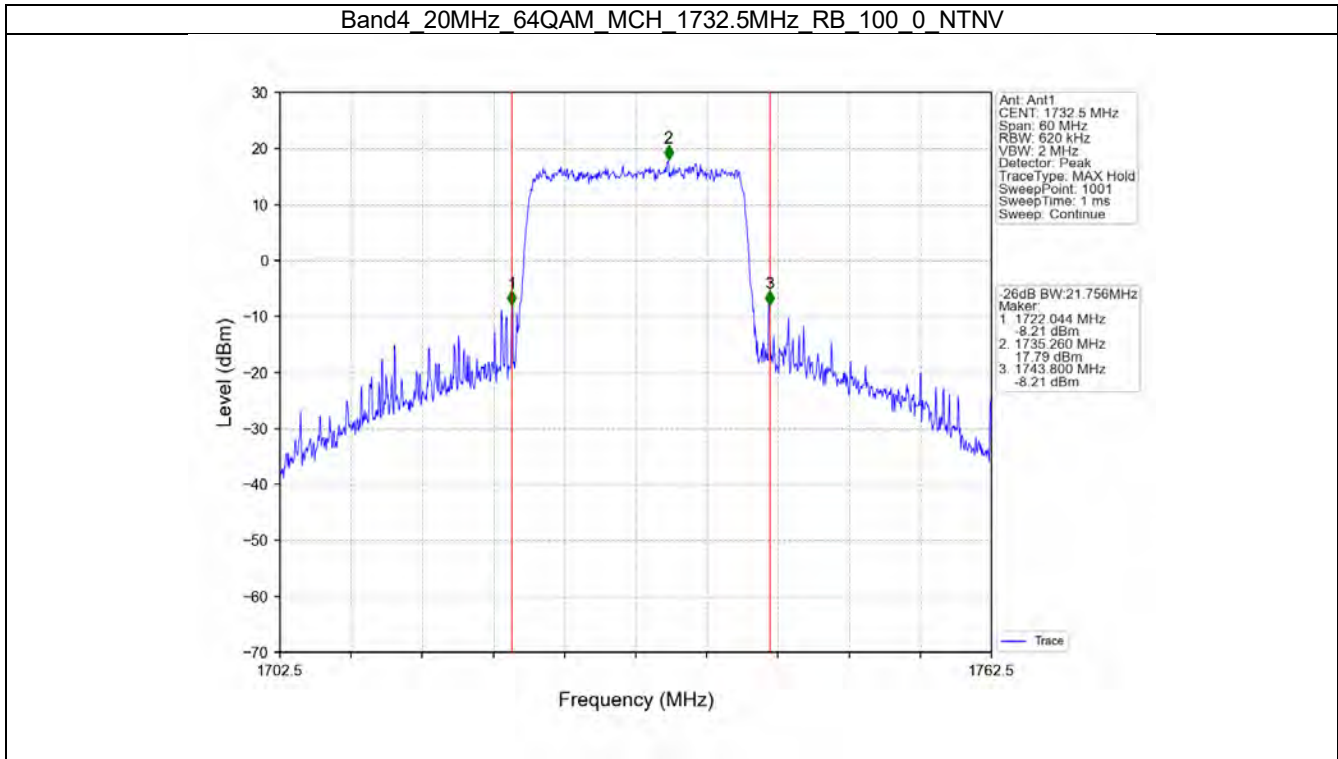


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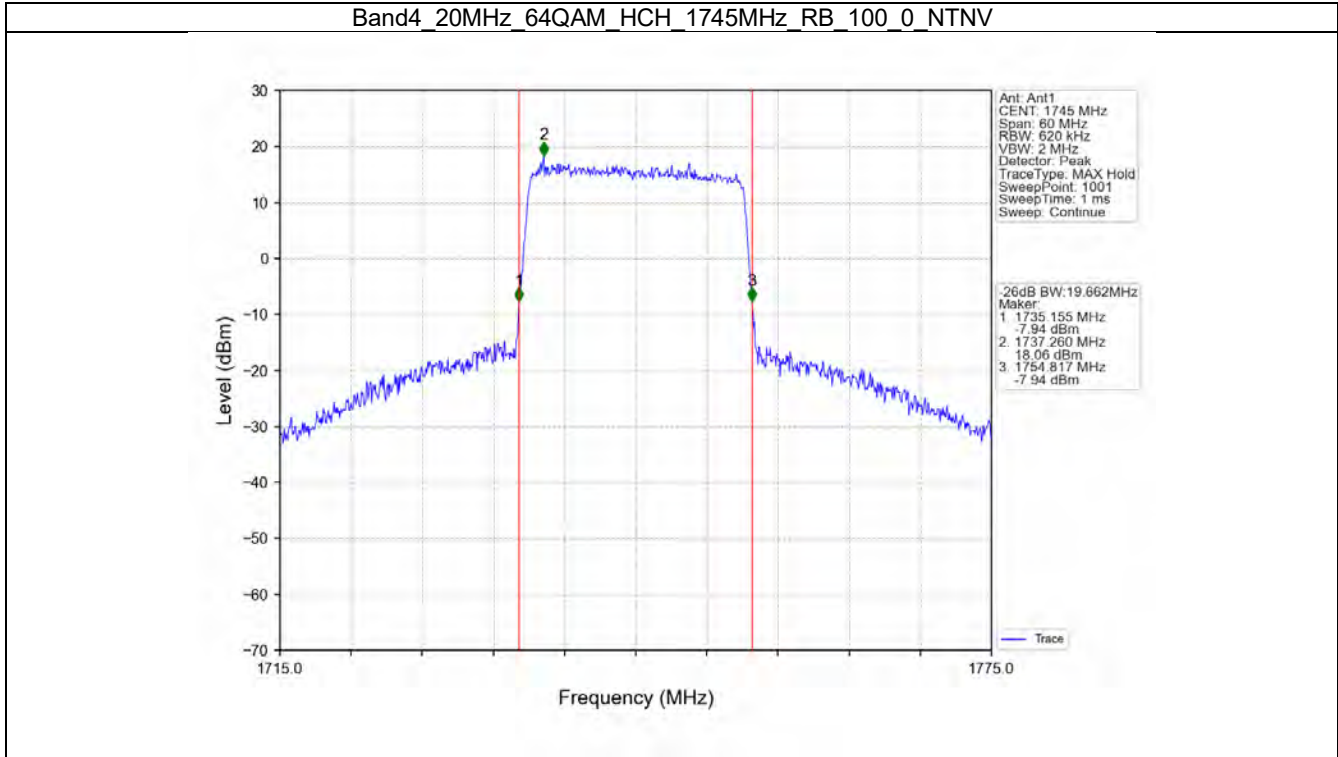


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4. Peak-Average Ratio

4.1 B4_1.4MHz

4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.86	<=13	Pass
	1732.5	6	0	5.15	<=13	Pass
	1754.3	6	0	4.96	<=13	Pass
16QAM	1710.7	6	0	5.69	<=13	Pass
	1732.5	6	0	5.92	<=13	Pass
	1754.3	6	0	5.78	<=13	Pass
64QAM	1710.7	6	0	5.27	<=13	Pass
	1732.5	6	0	5.82	<=13	Pass
	1754.3	6	0	5.26	<=13	Pass



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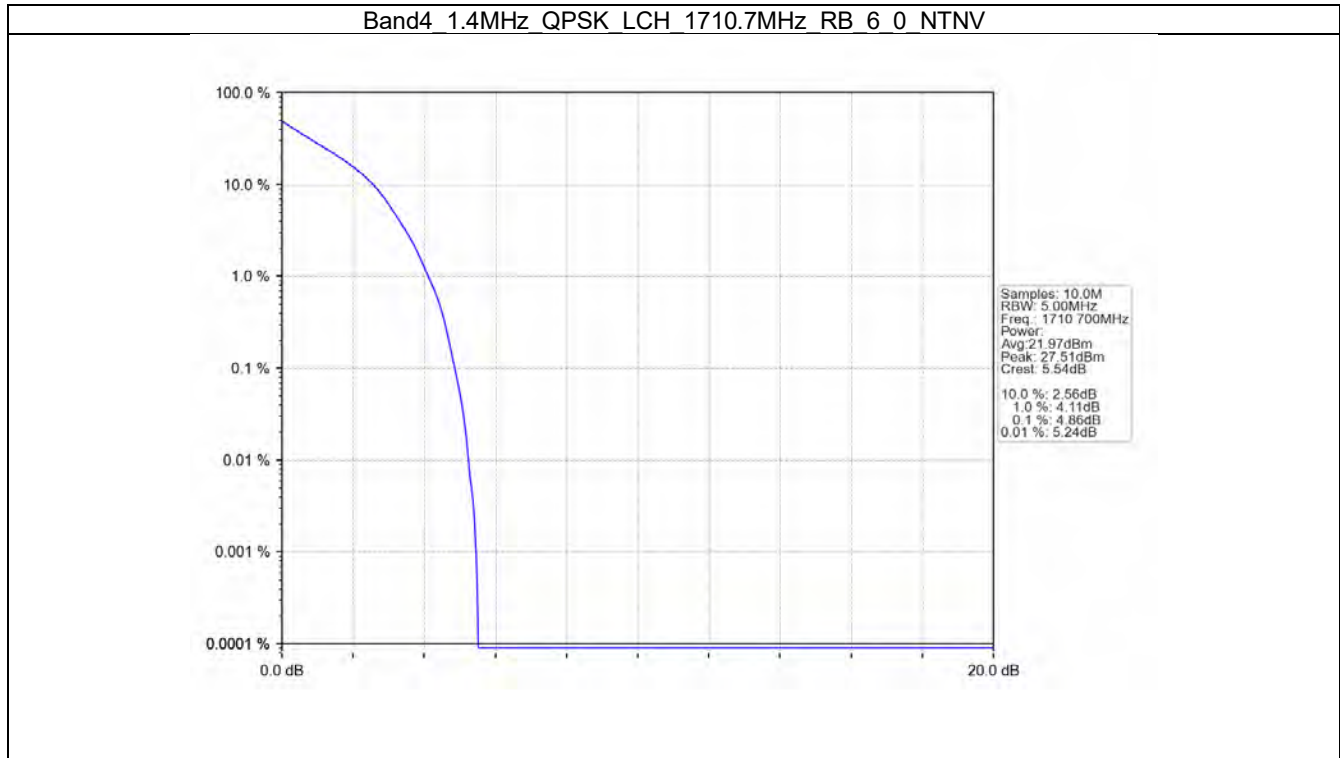
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4.1.2 Test Graph



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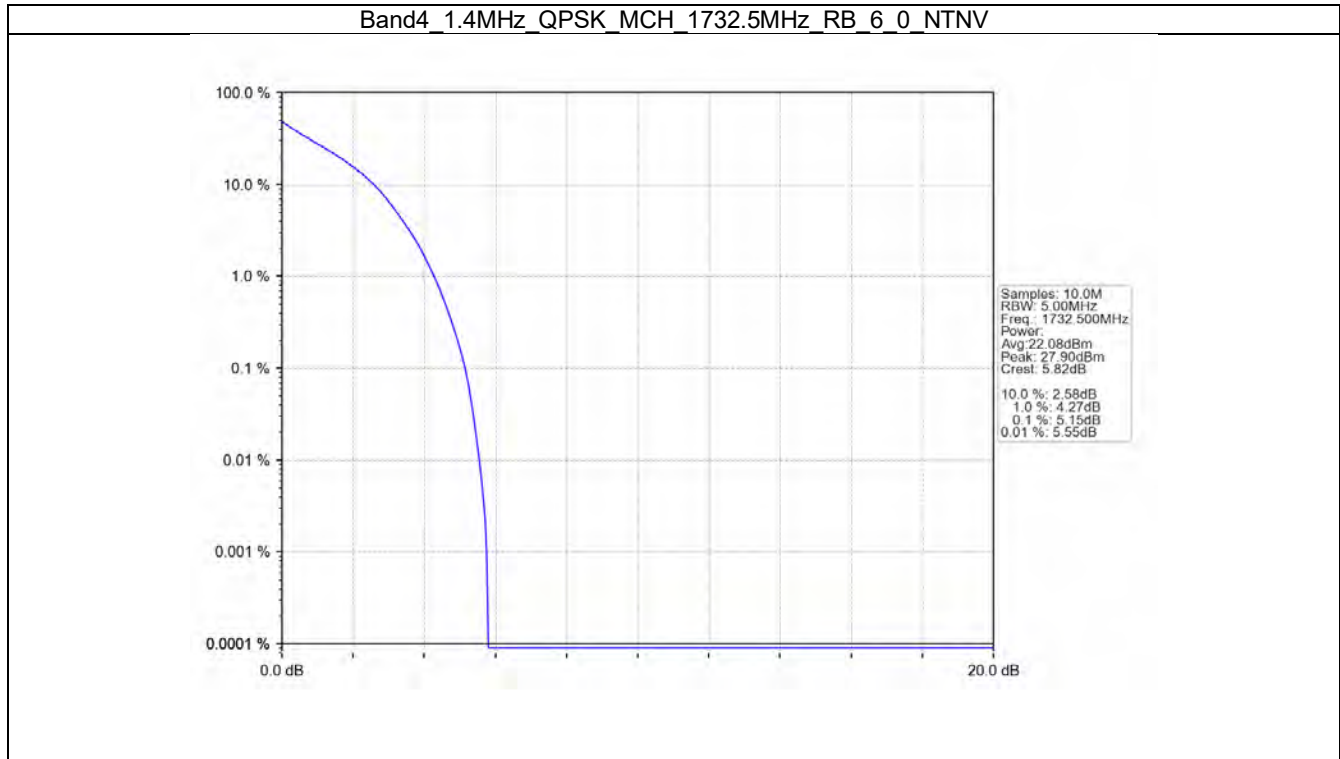


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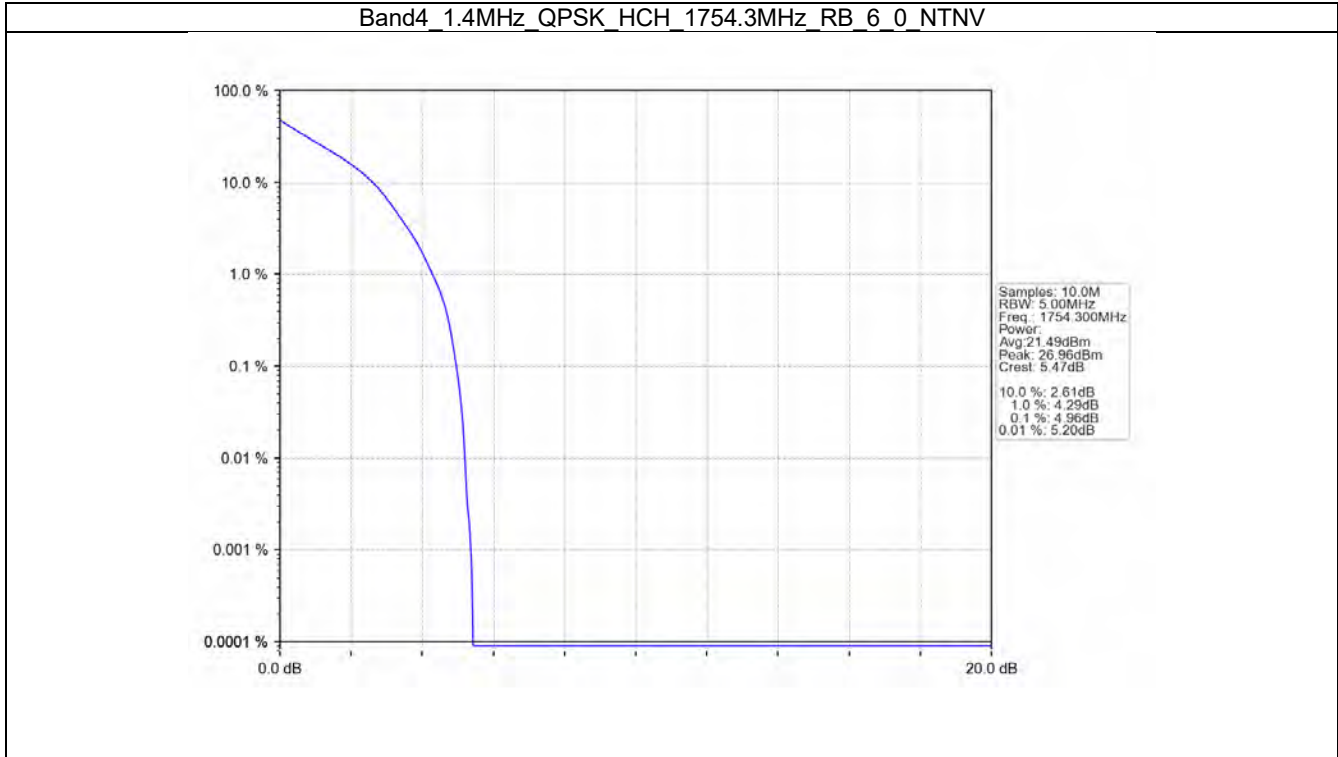


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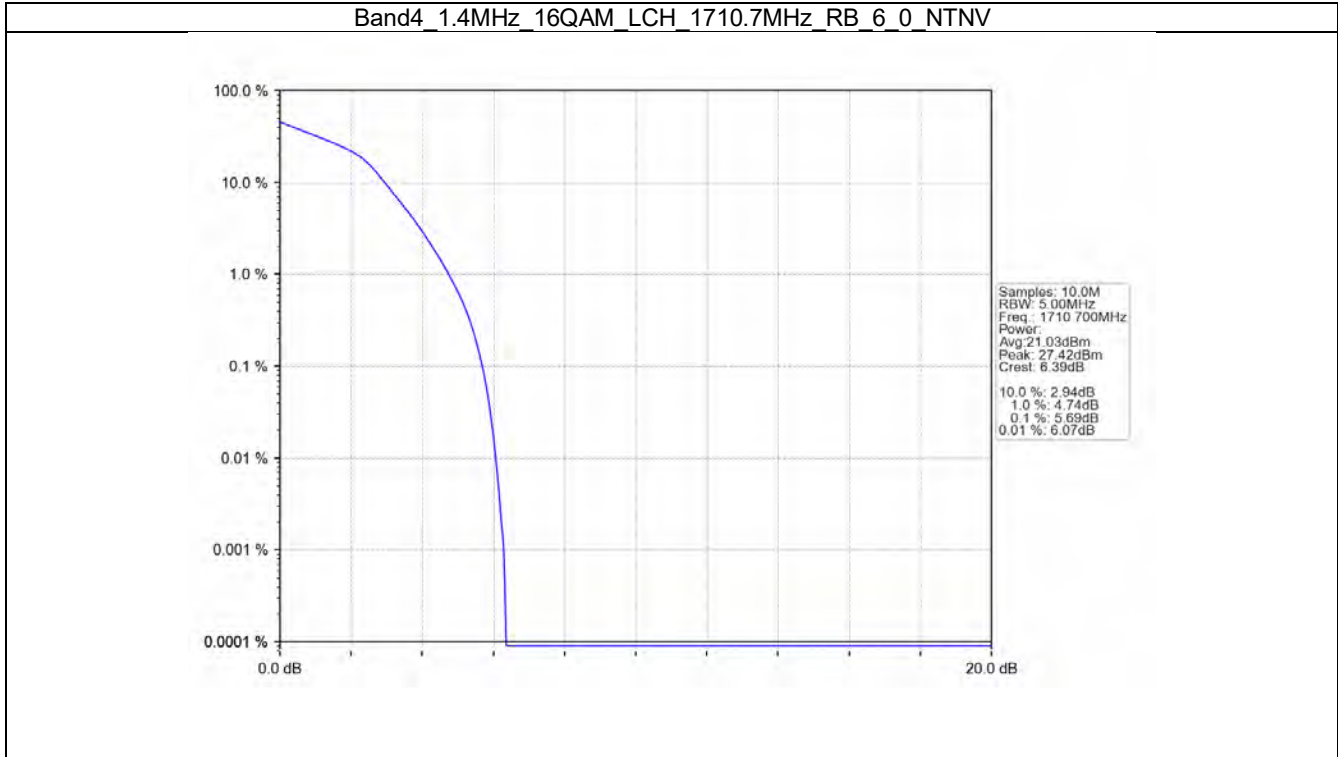


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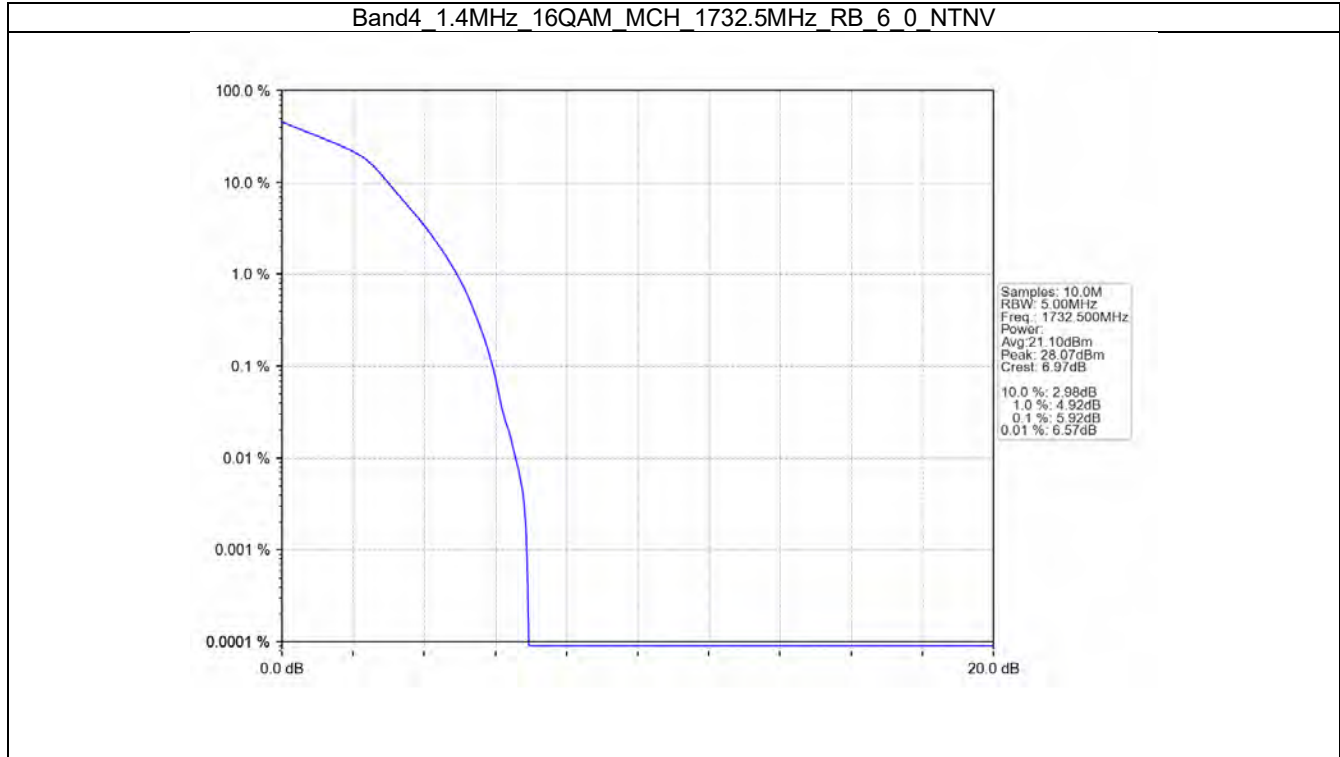


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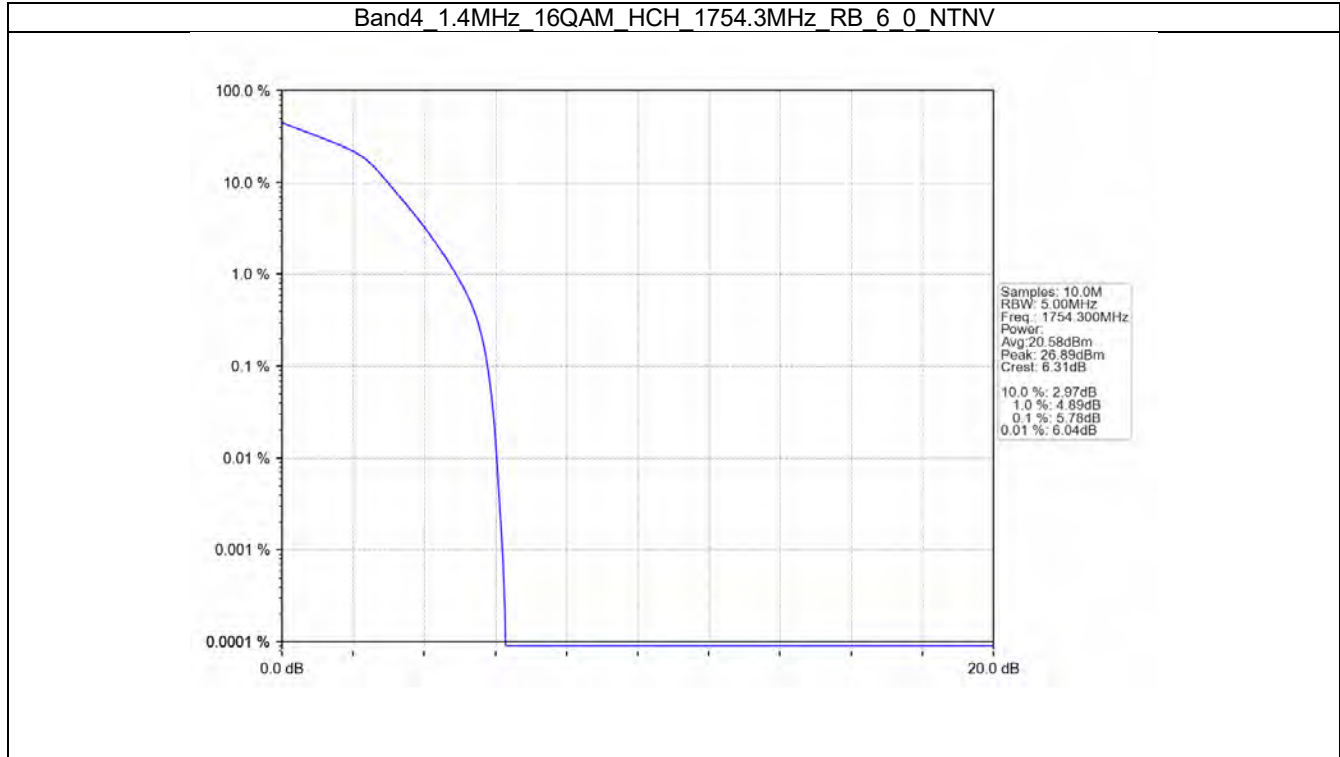


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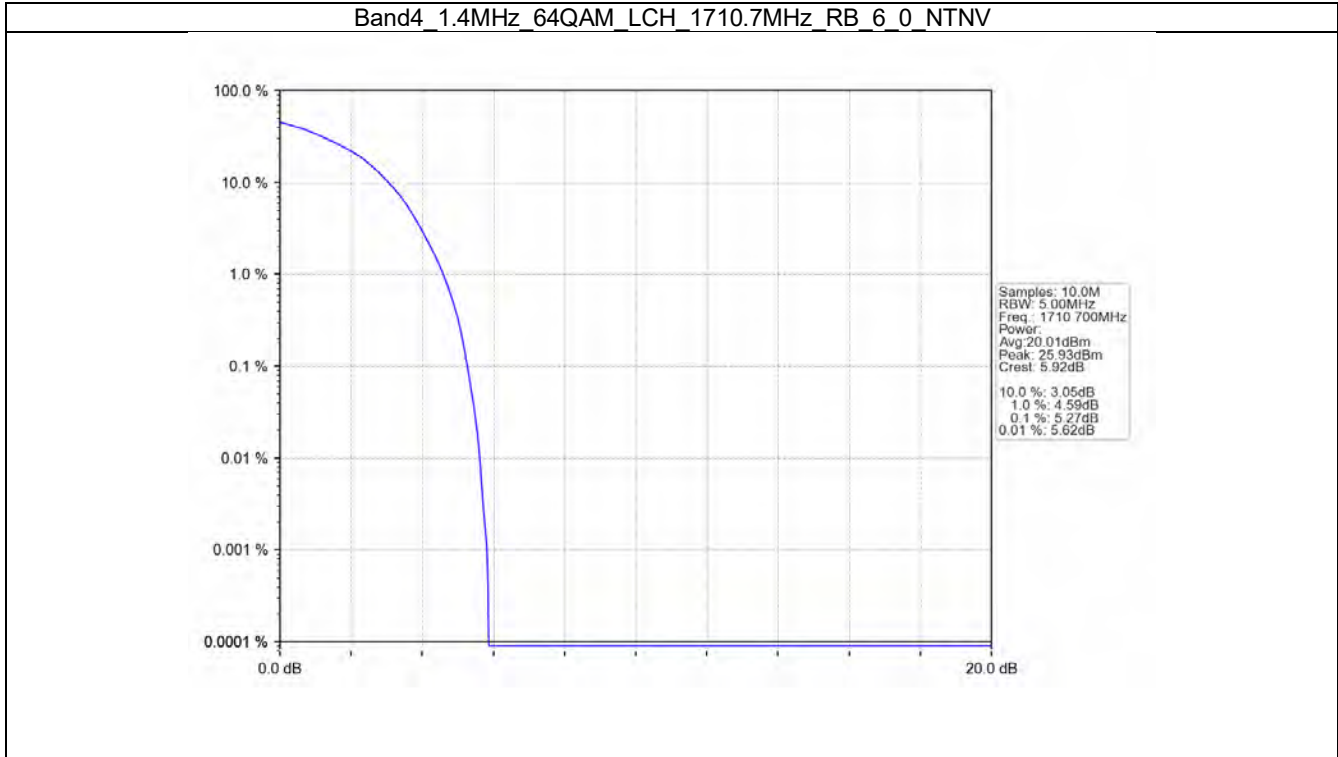


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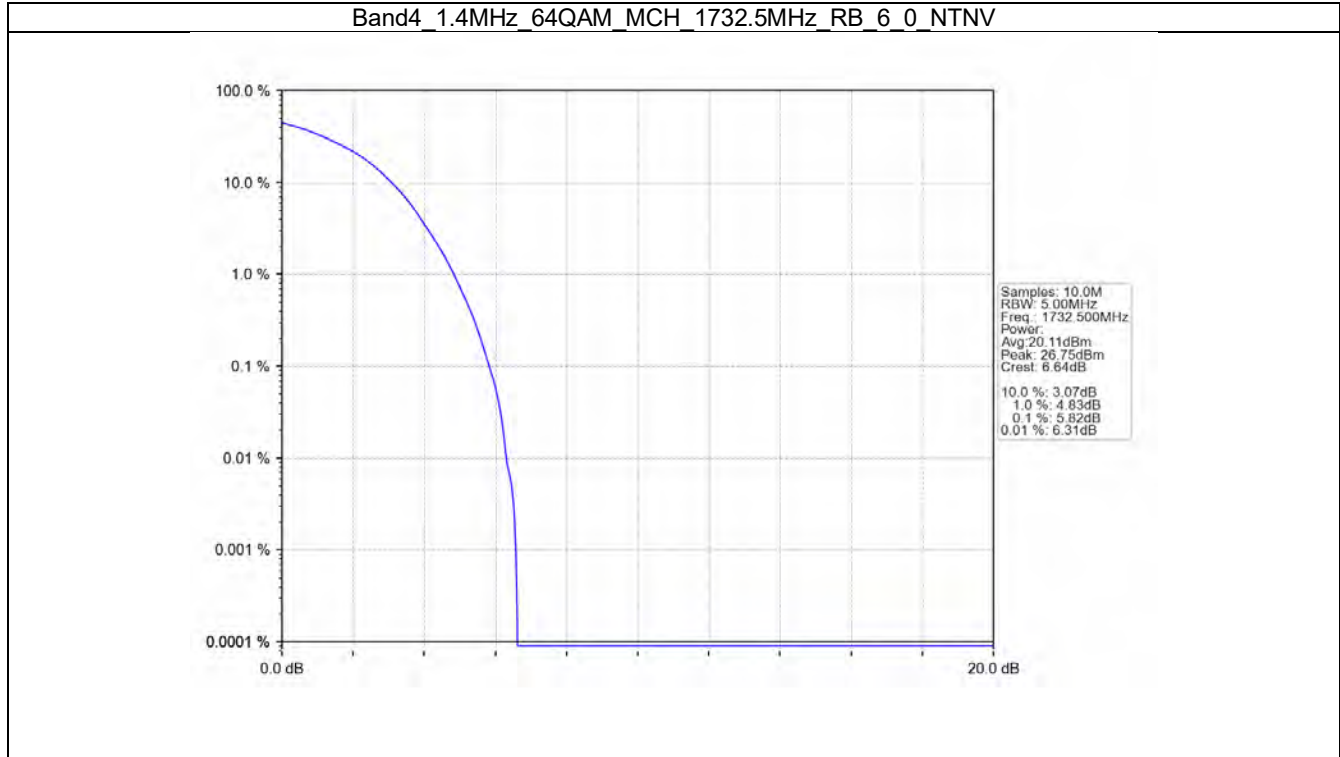
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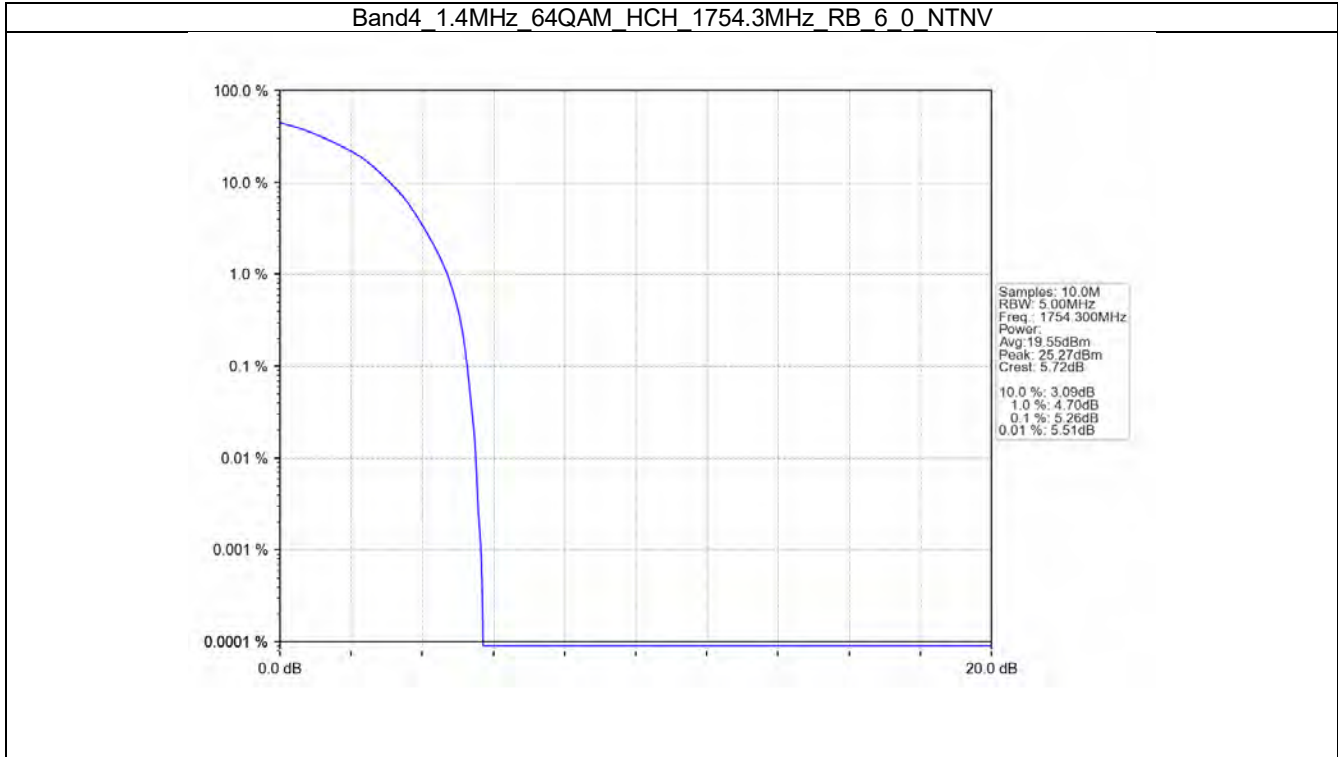


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4.2 B4_3MHz

4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.19	<=13	Pass
	1732.5	15	0	5.26	<=13	Pass
	1753.5	15	0	5.22	<=13	Pass
16QAM	1711.5	15	0	5.96	<=13	Pass
	1732.5	15	0	6.07	<=13	Pass
	1753.5	15	0	6.00	<=13	Pass
64QAM	1711.5	15	0	5.74	<=13	Pass
	1732.5	15	0	5.89	<=13	Pass
	1753.5	15	0	5.76	<=13	Pass



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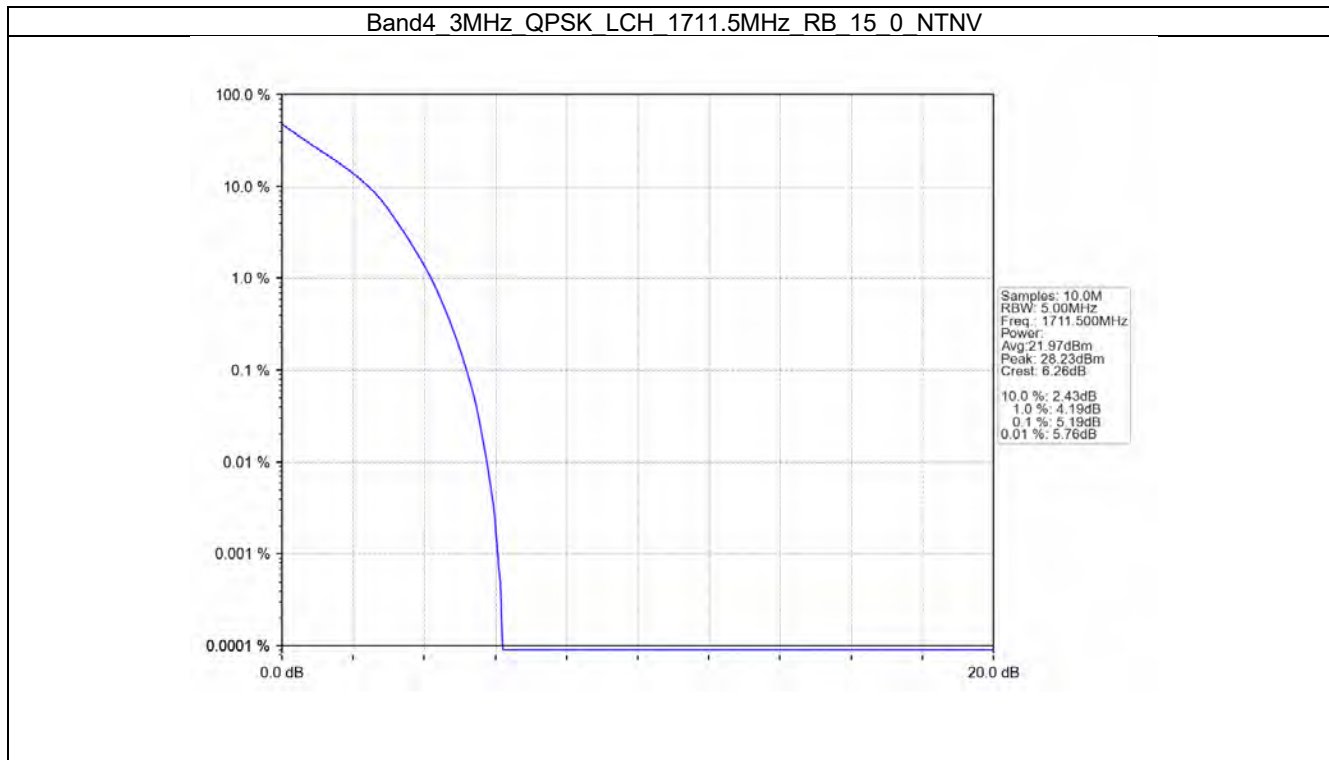
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4.2.2 Test Graph



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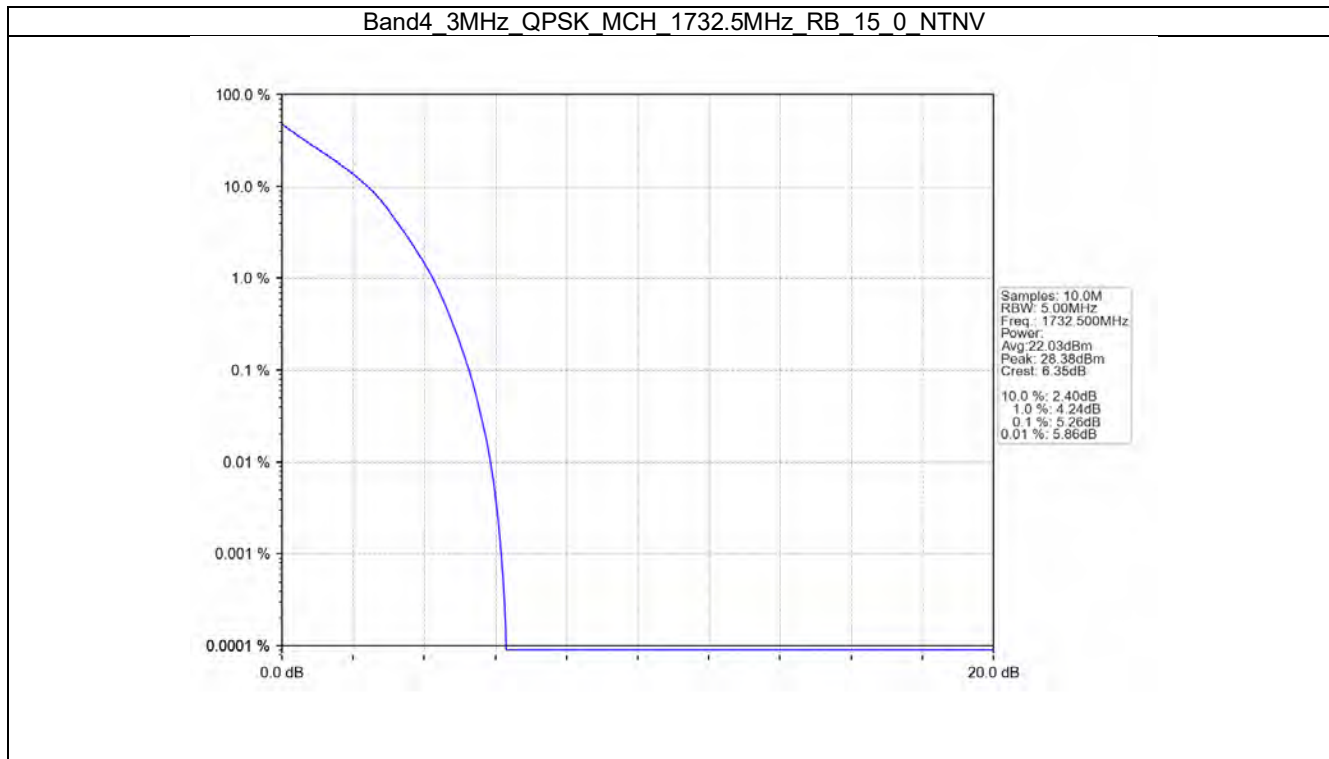
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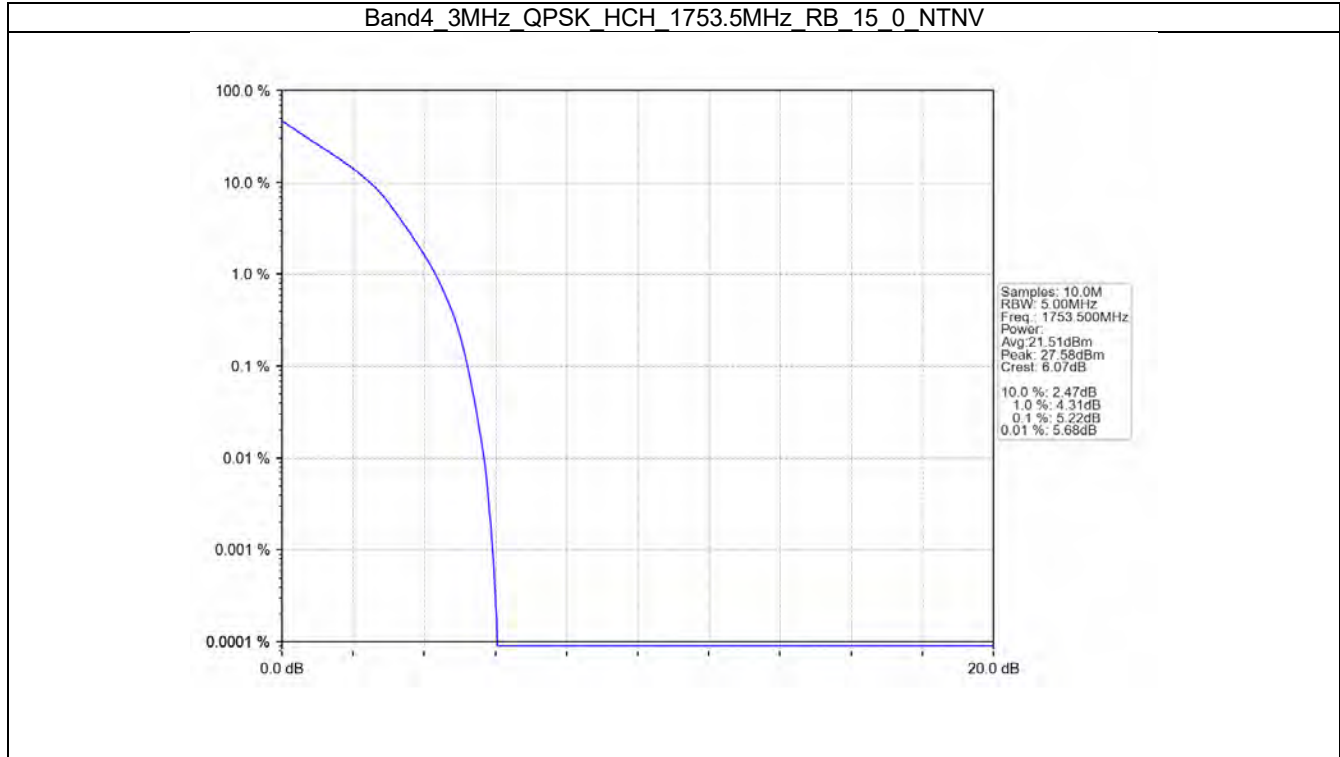


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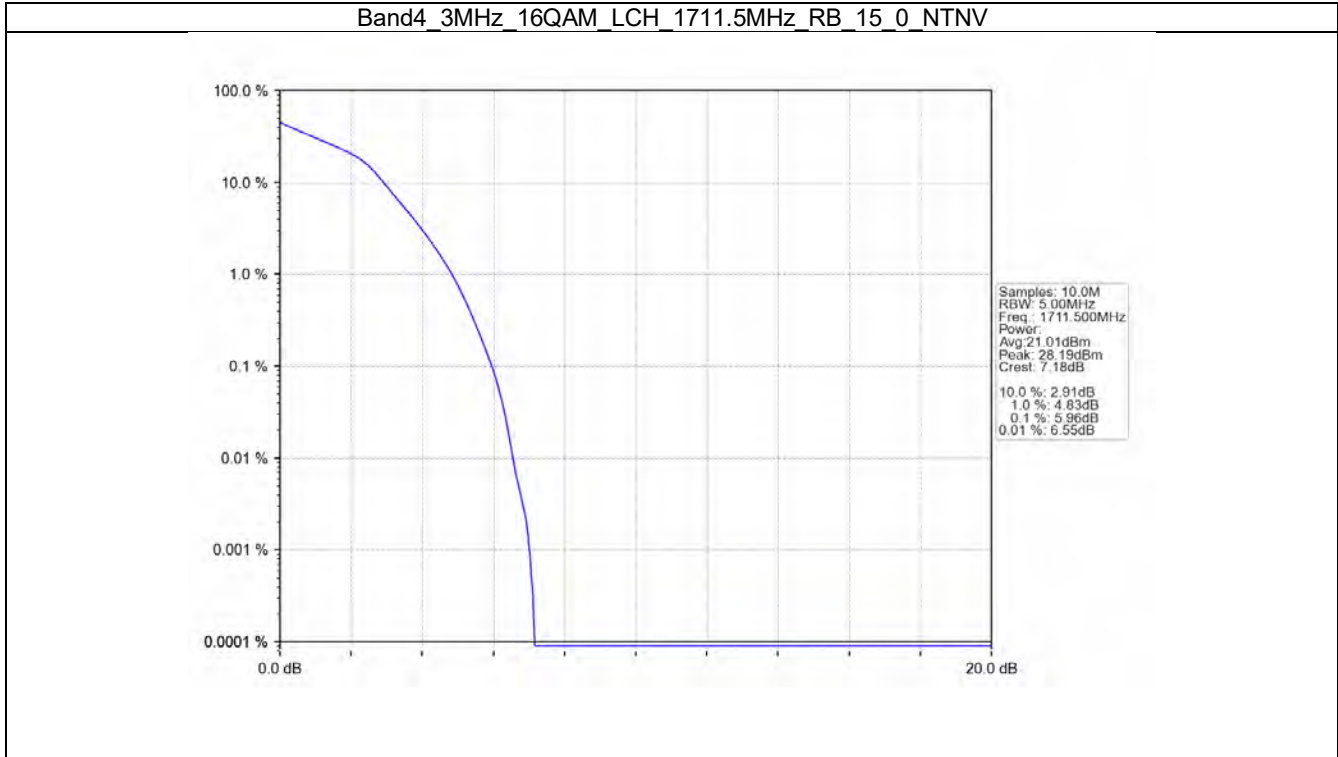


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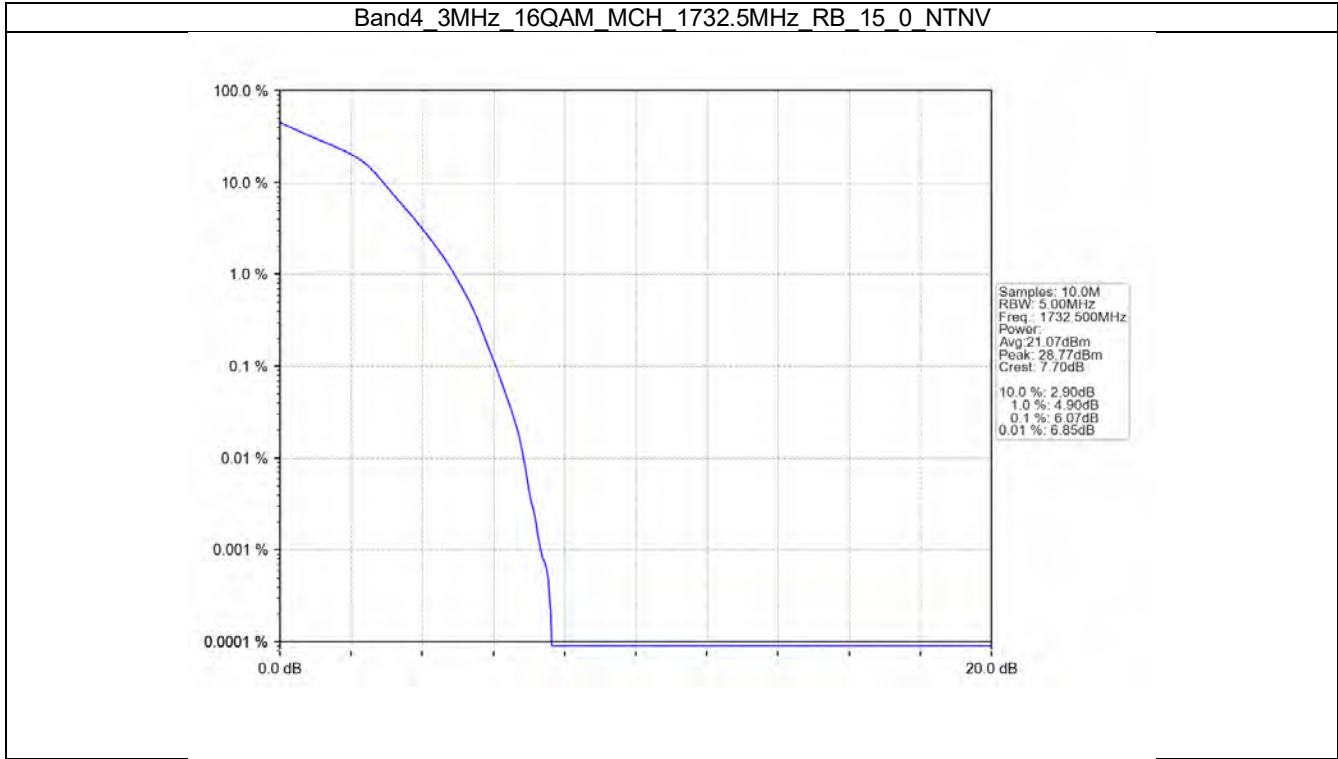


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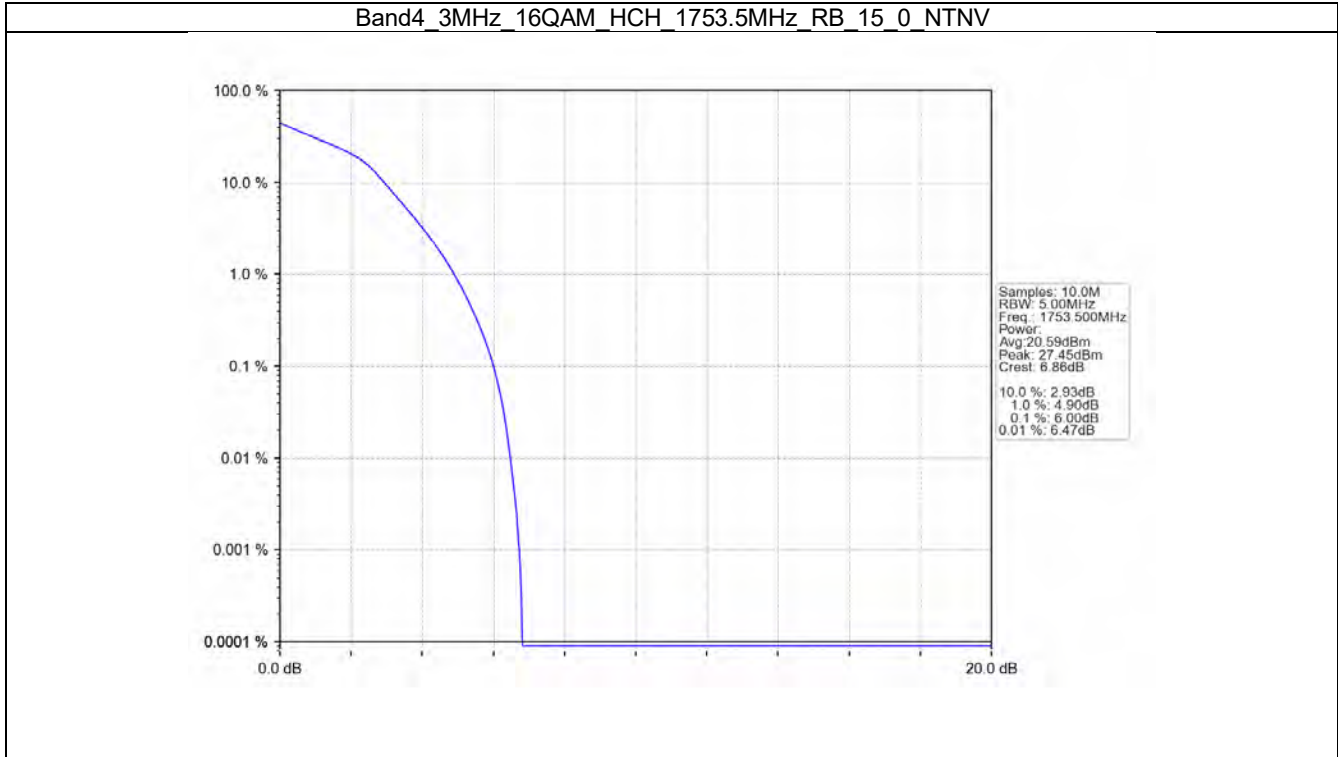


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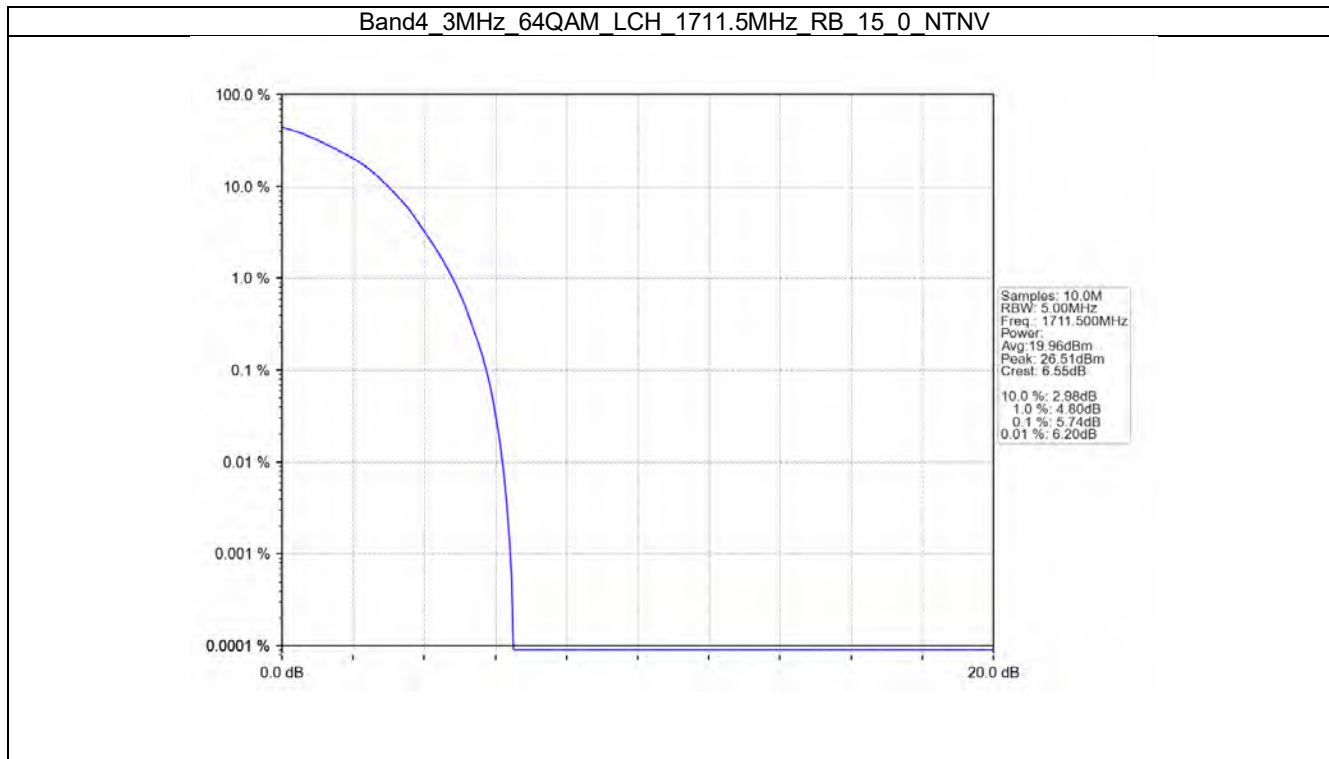
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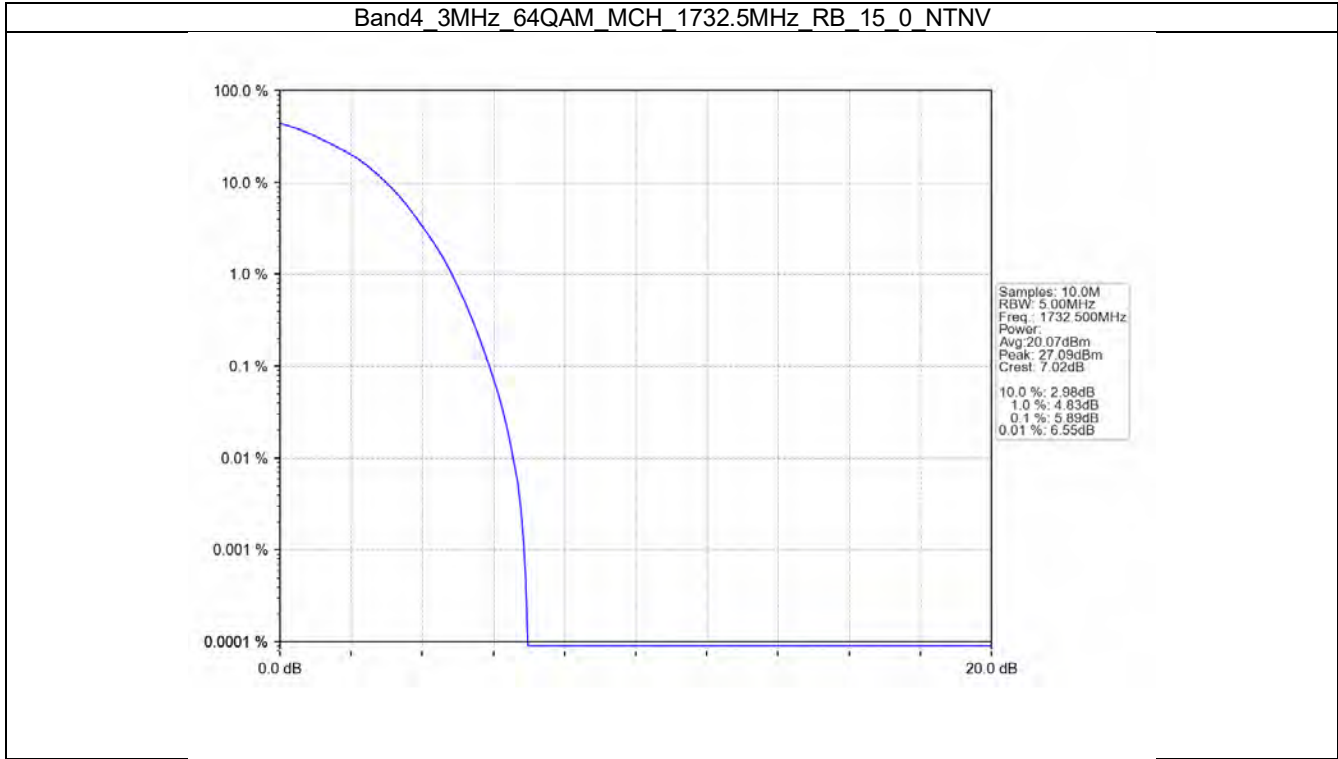


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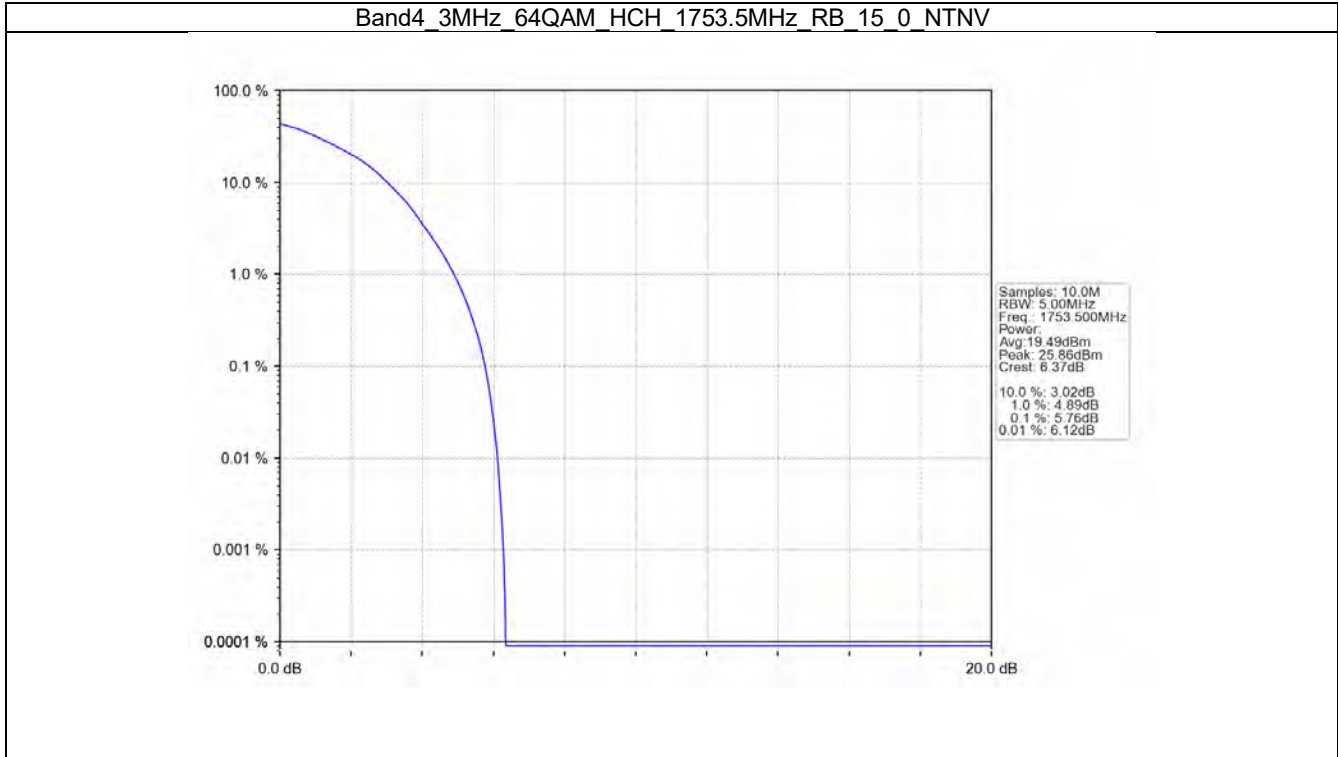


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4.3 B4_5MHz

4.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.45	<=13	Pass
	1732.5	25	0	5.52	<=13	Pass
	1752.5	25	0	5.46	<=13	Pass
16QAM	1712.5	25	0	6.09	<=13	Pass
	1732.5	25	0	6.18	<=13	Pass
	1752.5	25	0	6.17	<=13	Pass
64QAM	1712.5	25	0	6.02	<=13	Pass
	1732.5	25	0	6.13	<=13	Pass
	1752.5	25	0	6.02	<=13	Pass



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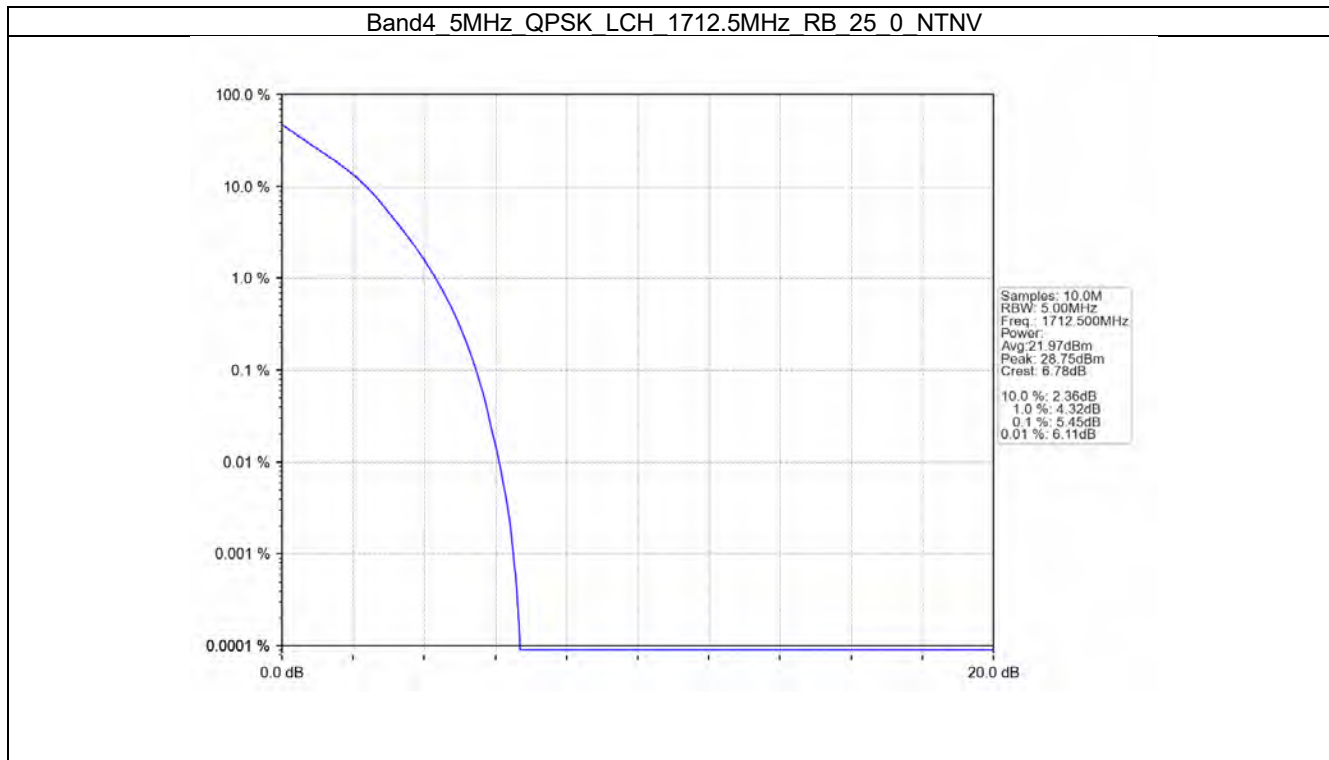
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4.3.2 Test Graph



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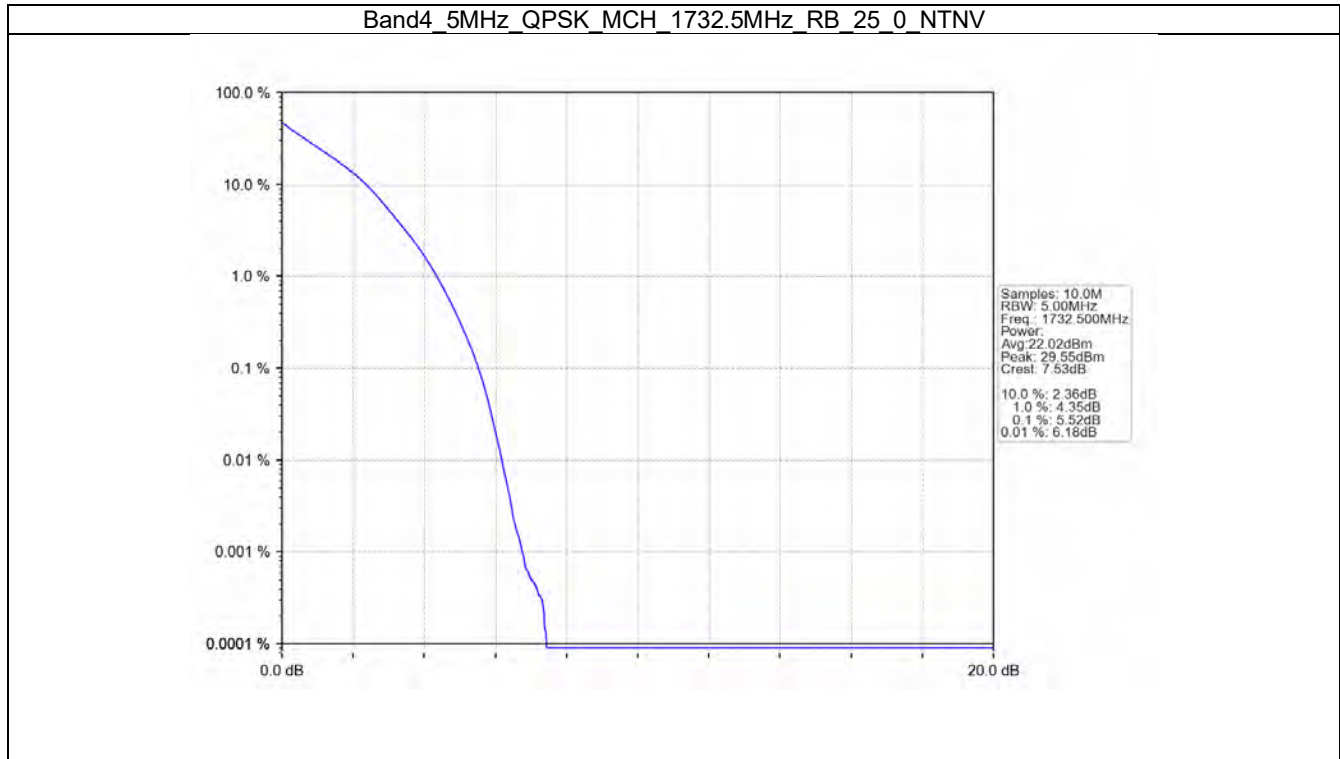


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