



Report No.: SEWM2311000466RG01

Rev.: 01

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Appendix B.6

LTE Band 4



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRPant3

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	23.29	-0.43	22.86	<=30	Pass	
			2	23.28	-0.43	22.85	<=30	Pass	
			5	23.31	-0.43	22.88	<=30	Pass	
		3	0	23.35	-0.43	22.92	<=30	Pass	
			2	23.35	-0.43	22.92	<=30	Pass	
			3	23.35	-0.43	22.92	<=30	Pass	
	6	0	22.39	-0.43	21.96	<=30	Pass		
		1732.5	1	0	21.17	-0.43	20.74	<=30	Pass
				2	21.17	-0.43	20.74	<=30	Pass
	5			21.18	-0.43	20.75	<=30	Pass	
	3	0	21.18	-0.43	20.75	<=30	Pass		
		2	21.17	-0.43	20.74	<=30	Pass		
		3	21.18	-0.43	20.75	<=30	Pass		
	6	0	21.17	-0.43	20.74	<=30	Pass		
		1754.3	1	0	21.66	-0.43	21.23	<=30	Pass
				2	21.65	-0.43	21.22	<=30	Pass
	5			21.66	-0.43	21.23	<=30	Pass	
	3	0	21.66	-0.43	21.23	<=30	Pass		
		2	21.65	-0.43	21.22	<=30	Pass		
		3	21.66	-0.43	21.23	<=30	Pass		
	6	0	21.66	-0.43	21.23	<=30	Pass		
		1710.7	1	0	22.53	-0.43	22.10	<=30	Pass
				2	22.53	-0.43	22.10	<=30	Pass
	5			22.51	-0.43	22.08	<=30	Pass	
3	0		22.38	-0.43	21.95	<=30	Pass		
	2		22.36	-0.43	21.93	<=30	Pass		
	3		22.39	-0.43	21.96	<=30	Pass		
6	0	21.40	-0.43	20.97	<=30	Pass			
	1732.5	1	0	21.17	-0.43	20.74	<=30	Pass	
			2	21.17	-0.43	20.74	<=30	Pass	
5			21.18	-0.43	20.75	<=30	Pass		
3		0	21.18	-0.43	20.75	<=30	Pass		
		2	21.17	-0.43	20.74	<=30	Pass		
		3	21.17	-0.43	20.74	<=30	Pass		
6	0	21.17	-0.43	20.74	<=30	Pass			
	1754.3	1	0	21.68	-0.43	21.25	<=30	Pass	
			2	21.66	-0.43	21.23	<=30	Pass	
5			21.68	-0.43	21.25	<=30	Pass		
3	0	21.66	-0.43	21.23	<=30	Pass			



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			2	21.67	-0.43	21.24	<=30	Pass		
			3	21.67	-0.43	21.24	<=30	Pass		
		6	0	21.67	-0.43	21.24	<=30	Pass		
64QAM	1710.7	1	0	21.46	-0.43	21.03	<=30	Pass		
			2	21.46	-0.43	21.03	<=30	Pass		
			5	21.43	-0.43	21.00	<=30	Pass		
		3	0	21.59	-0.43	21.16	<=30	Pass		
			2	21.58	-0.43	21.15	<=30	Pass		
			3	21.58	-0.43	21.15	<=30	Pass		
		6	0	20.60	-0.43	20.17	<=30	Pass		
		1732.5	1	0	21.17	-0.43	20.74	<=30	Pass	
				2	21.19	-0.43	20.76	<=30	Pass	
	5			21.17	-0.43	20.74	<=30	Pass		
	3		0	21.17	-0.43	20.74	<=30	Pass		
			2	21.18	-0.43	20.75	<=30	Pass		
			3	21.17	-0.43	20.74	<=30	Pass		
	6		0	21.18	-0.43	20.75	<=30	Pass		
	1754.3		1	0	21.67	-0.43	21.24	<=30	Pass	
				2	21.68	-0.43	21.25	<=30	Pass	
		5		21.67	-0.43	21.24	<=30	Pass		
		3	0	21.67	-0.43	21.24	<=30	Pass		
			2	21.67	-0.43	21.24	<=30	Pass		
			3	21.67	-0.43	21.24	<=30	Pass		
		6	0	21.67	-0.43	21.24	<=30	Pass		
		256QAM	1710.7	1	0	18.31	-0.43	17.88	<=30	Pass
					2	18.27	-0.43	17.84	<=30	Pass
	5				18.32	-0.43	17.89	<=30	Pass	
3	0			18.31	-0.43	17.88	<=30	Pass		
	2			18.31	-0.43	17.88	<=30	Pass		
	3			18.33	-0.43	17.90	<=30	Pass		
6	0			18.55	-0.43	18.12	<=30	Pass		
1732.5	1			0	18.56	-0.43	18.13	<=30	Pass	
				2	18.59	-0.43	18.16	<=30	Pass	
			5	18.54	-0.43	18.11	<=30	Pass		
	3		0	18.52	-0.43	18.09	<=30	Pass		
			2	18.49	-0.43	18.06	<=30	Pass		
			3	18.48	-0.43	18.05	<=30	Pass		
	6		0	18.57	-0.43	18.14	<=30	Pass		
	1754.3		1	0	18.67	-0.43	18.24	<=30	Pass	
				2	18.70	-0.43	18.27	<=30	Pass	
5				18.64	-0.43	18.21	<=30	Pass		
3			0	18.37	-0.43	17.94	<=30	Pass		
			2	18.35	-0.43	17.92	<=30	Pass		
			3	18.34	-0.43	17.91	<=30	Pass		
6			0	18.35	-0.43	17.92	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	23.42	-0.43	22.99	<=30	Pass		
			7	23.39	-0.43	22.96	<=30	Pass		
			14	23.35	-0.43	22.92	<=30	Pass		
		8	0	22.39	-0.43	21.96	<=30	Pass		
			4	22.38	-0.43	21.95	<=30	Pass		
			7	22.38	-0.43	21.95	<=30	Pass		
		15	0	22.39	-0.43	21.96	<=30	Pass		
		1732.5	1	0	21.48	-0.43	21.05	<=30	Pass	
				7	21.47	-0.43	21.04	<=30	Pass	
	14			21.48	-0.43	21.05	<=30	Pass		
	8		0	21.48	-0.43	21.05	<=30	Pass		
			4	21.50	-0.43	21.07	<=30	Pass		
			7	21.48	-0.43	21.05	<=30	Pass		
	15		0	21.47	-0.43	21.04	<=30	Pass		
	1753.5		1	0	21.18	-0.43	20.75	<=30	Pass	
				7	21.18	-0.43	20.75	<=30	Pass	
		14		21.18	-0.43	20.75	<=30	Pass		
		8	0	21.17	-0.43	20.74	<=30	Pass		
			4	21.18	-0.43	20.75	<=30	Pass		
			7	21.18	-0.43	20.75	<=30	Pass		
		15	0	21.19	-0.43	20.76	<=30	Pass		
		16QAM	1711.5	1	0	22.95	-0.43	22.52	<=30	Pass
					7	23.00	-0.43	22.57	<=30	Pass
	14				22.88	-0.43	22.45	<=30	Pass	
8	0			21.57	-0.43	21.14	<=30	Pass		
	4			21.53	-0.43	21.10	<=30	Pass		
	7			21.52	-0.43	21.09	<=30	Pass		
15	0			21.47	-0.43	21.04	<=30	Pass		
1732.5	1			0	21.49	-0.43	21.06	<=30	Pass	
				7	21.51	-0.43	21.08	<=30	Pass	
			14	21.51	-0.43	21.08	<=30	Pass		
	8		0	21.49	-0.43	21.06	<=30	Pass		
			4	21.49	-0.43	21.06	<=30	Pass		
			7	21.48	-0.43	21.05	<=30	Pass		
	15		0	21.48	-0.43	21.05	<=30	Pass		
	1753.5		1	0	21.20	-0.43	20.77	<=30	Pass	
				7	21.19	-0.43	20.76	<=30	Pass	
14				21.18	-0.43	20.75	<=30	Pass		
8			0	21.19	-0.43	20.76	<=30	Pass		
			4	21.19	-0.43	20.76	<=30	Pass		
			7	21.19	-0.43	20.76	<=30	Pass		



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64QAM	1711.5	15	0	21.18	-0.43	20.75	<=30	Pass
			0	21.65	-0.43	21.22	<=30	Pass
			7	21.68	-0.43	21.25	<=30	Pass
		8	14	21.61	-0.43	21.18	<=30	Pass
			0	20.57	-0.43	20.14	<=30	Pass
			4	20.54	-0.43	20.11	<=30	Pass
		15	7	20.55	-0.43	20.12	<=30	Pass
			0	20.40	-0.43	19.97	<=30	Pass
			0	21.49	-0.43	21.06	<=30	Pass
	1732.5	1	7	21.46	-0.43	21.03	<=30	Pass
			14	21.49	-0.43	21.06	<=30	Pass
			0	21.49	-0.43	21.06	<=30	Pass
		8	4	21.52	-0.43	21.09	<=30	Pass
			7	21.50	-0.43	21.07	<=30	Pass
			0	21.49	-0.43	21.06	<=30	Pass
		15	0	21.20	-0.43	20.77	<=30	Pass
			1	21.18	-0.43	20.75	<=30	Pass
			14	21.19	-0.43	20.76	<=30	Pass
	1753.5	1	0	21.19	-0.43	20.76	<=30	Pass
			4	21.18	-0.43	20.75	<=30	Pass
			7	21.18	-0.43	20.75	<=30	Pass
		8	0	21.20	-0.43	20.77	<=30	Pass
			0	18.89	-0.43	18.46	<=30	Pass
			7	18.86	-0.43	18.43	<=30	Pass
1711.5		1	14	18.89	-0.43	18.46	<=30	Pass
			0	18.59	-0.43	18.16	<=30	Pass
			4	18.57	-0.43	18.14	<=30	Pass
	8	7	18.56	-0.43	18.13	<=30	Pass	
		0	18.53	-0.43	18.10	<=30	Pass	
		0	18.39	-0.43	17.96	<=30	Pass	
	1732.5	1	7	18.42	-0.43	17.99	<=30	Pass
			14	18.37	-0.43	17.94	<=30	Pass
			0	18.50	-0.43	18.07	<=30	Pass
8		4	18.51	-0.43	18.08	<=30	Pass	
		7	18.48	-0.43	18.05	<=30	Pass	
		0	18.65	-0.43	18.22	<=30	Pass	
1753.5		1	0	18.54	-0.43	18.11	<=30	Pass
			7	18.55	-0.43	18.12	<=30	Pass
			14	18.50	-0.43	18.07	<=30	Pass
	8	0	18.60	-0.43	18.17	<=30	Pass	
		4	18.56	-0.43	18.13	<=30	Pass	
		7	18.54	-0.43	18.11	<=30	Pass	
	15	0	18.53	-0.43	18.10	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	23.52	-0.43	23.09	<=30	Pass		
			13	23.50	-0.43	23.07	<=30	Pass		
			24	23.48	-0.43	23.05	<=30	Pass		
		12	0	22.44	-0.43	22.01	<=30	Pass		
			6	22.42	-0.43	21.99	<=30	Pass		
			13	22.41	-0.43	21.98	<=30	Pass		
		25	0	22.47	-0.43	22.04	<=30	Pass		
		1732.5	1	0	21.76	-0.43	21.33	<=30	Pass	
				13	21.77	-0.43	21.34	<=30	Pass	
	24			21.77	-0.43	21.34	<=30	Pass		
	12		0	21.76	-0.43	21.33	<=30	Pass		
			6	21.77	-0.43	21.34	<=30	Pass		
			13	21.76	-0.43	21.33	<=30	Pass		
	25		0	21.75	-0.43	21.32	<=30	Pass		
	1752.5		1	0	21.71	-0.43	21.28	<=30	Pass	
				13	21.71	-0.43	21.28	<=30	Pass	
		24		21.71	-0.43	21.28	<=30	Pass		
		12	0	21.73	-0.43	21.30	<=30	Pass		
			6	21.72	-0.43	21.29	<=30	Pass		
			13	21.73	-0.43	21.30	<=30	Pass		
		25	0	21.73	-0.43	21.30	<=30	Pass		
		16QAM	1712.5	1	0	22.36	-0.43	21.93	<=30	Pass
					13	22.31	-0.43	21.88	<=30	Pass
	24				22.32	-0.43	21.89	<=30	Pass	
12	0			21.48	-0.43	21.05	<=30	Pass		
	6			21.43	-0.43	21.00	<=30	Pass		
	13			21.44	-0.43	21.01	<=30	Pass		
25	0			21.49	-0.43	21.06	<=30	Pass		
1732.5	1			0	21.77	-0.43	21.34	<=30	Pass	
				13	21.77	-0.43	21.34	<=30	Pass	
			24	21.76	-0.43	21.33	<=30	Pass		
	12		0	21.77	-0.43	21.34	<=30	Pass		
			6	21.77	-0.43	21.34	<=30	Pass		
			13	21.77	-0.43	21.34	<=30	Pass		
	25		0	21.76	-0.43	21.33	<=30	Pass		
	1752.5		1	0	21.73	-0.43	21.30	<=30	Pass	
				13	21.73	-0.43	21.30	<=30	Pass	
24				21.74	-0.43	21.31	<=30	Pass		
12			0	21.73	-0.43	21.30	<=30	Pass		
			6	21.74	-0.43	21.31	<=30	Pass		
			13	21.73	-0.43	21.30	<=30	Pass		



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64QAM	1712.5	25	0	21.73	-0.43	21.30	<=30	Pass	
			1	0	21.47	-0.43	21.04	<=30	Pass
				13	21.42	-0.43	20.99	<=30	Pass
			24	21.41	-0.43	20.98	<=30	Pass	
		12	0	20.42	-0.43	19.99	<=30	Pass	
			6	20.40	-0.43	19.97	<=30	Pass	
			13	20.39	-0.43	19.96	<=30	Pass	
			25	0	20.45	-0.43	20.02	<=30	Pass
		1732.5	1	0	21.77	-0.43	21.34	<=30	Pass
				13	21.77	-0.43	21.34	<=30	Pass
				24	21.76	-0.43	21.33	<=30	Pass
				0	21.76	-0.43	21.33	<=30	Pass
	12		6	21.77	-0.43	21.34	<=30	Pass	
			13	21.77	-0.43	21.34	<=30	Pass	
			25	0	21.76	-0.43	21.33	<=30	Pass
			1752.5	1	0	21.74	-0.43	21.31	<=30
	13				21.74	-0.43	21.31	<=30	Pass
	24				21.74	-0.43	21.31	<=30	Pass
	12			0	21.74	-0.43	21.31	<=30	Pass
			6	21.74	-0.43	21.31	<=30	Pass	
		13	21.74	-0.43	21.31	<=30	Pass		
	25	0	21.75	-0.43	21.32	<=30	Pass		
	256QAM	1712.5	1	0	18.31	-0.43	17.88	<=30	Pass
				13	18.30	-0.43	17.87	<=30	Pass
24				18.26	-0.43	17.83	<=30	Pass	
0				18.56	-0.43	18.13	<=30	Pass	
12			6	18.56	-0.43	18.13	<=30	Pass	
			13	18.54	-0.43	18.11	<=30	Pass	
			25	0	18.58	-0.43	18.15	<=30	Pass
			1732.5	1	0	18.76	-0.43	18.33	<=30
13					18.82	-0.43	18.39	<=30	Pass
24					18.80	-0.43	18.37	<=30	Pass
0					18.65	-0.43	18.22	<=30	Pass
12				6	18.63	-0.43	18.20	<=30	Pass
		13		18.62	-0.43	18.19	<=30	Pass	
		25		0	18.59	-0.43	18.16	<=30	Pass
		1752.5		1	0	18.67	-0.43	18.24	<=30
13					18.62	-0.43	18.19	<=30	Pass
24					18.53	-0.43	18.10	<=30	Pass
12				0	18.57	-0.43	18.14	<=30	Pass
				6	18.56	-0.43	18.13	<=30	Pass
			13	18.51	-0.43	18.08	<=30	Pass	
25			0	18.58	-0.43	18.15	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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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	22.04	-0.43	21.61	<=30	Pass	
			25	22.05	-0.43	21.62	<=30	Pass	
			49	22.06	-0.43	21.63	<=30	Pass	
		25	0	22.05	-0.43	21.62	<=30	Pass	
			13	22.05	-0.43	21.62	<=30	Pass	
			25	22.06	-0.43	21.63	<=30	Pass	
		50	0	22.06	-0.43	21.63	<=30	Pass	
			0	21.55	-0.43	21.12	<=30	Pass	
			25	21.56	-0.43	21.13	<=30	Pass	
	1732.5	1	0	21.57	-0.43	21.14	<=30	Pass	
			13	21.57	-0.43	21.14	<=30	Pass	
			25	21.55	-0.43	21.12	<=30	Pass	
		25	0	21.56	-0.43	21.13	<=30	Pass	
			0	21.32	-0.43	20.89	<=30	Pass	
			25	21.33	-0.43	20.90	<=30	Pass	
		50	0	21.32	-0.43	20.89	<=30	Pass	
			0	21.34	-0.43	20.91	<=30	Pass	
			13	21.33	-0.43	20.90	<=30	Pass	
	1750	1	25	21.33	-0.43	20.90	<=30	Pass	
			25	21.33	-0.43	20.90	<=30	Pass	
			0	21.33	-0.43	20.90	<=30	Pass	
		25	0	21.33	-0.43	20.90	<=30	Pass	
			0	22.05	-0.43	21.62	<=30	Pass	
			25	22.06	-0.43	21.63	<=30	Pass	
16QAM		1715	1	49	22.06	-0.43	21.63	<=30	Pass
				0	22.06	-0.43	21.63	<=30	Pass
				13	22.06	-0.43	21.63	<=30	Pass
	25		0	22.05	-0.43	21.62	<=30	Pass	
			25	22.05	-0.43	21.62	<=30	Pass	
			0	22.06	-0.43	21.63	<=30	Pass	
	1732.5		1	0	21.57	-0.43	21.14	<=30	Pass
				25	21.55	-0.43	21.12	<=30	Pass
				49	21.58	-0.43	21.15	<=30	Pass
25		0	21.58	-0.43	21.15	<=30	Pass		
		13	21.56	-0.43	21.13	<=30	Pass		
		25	21.57	-0.43	21.14	<=30	Pass		
50		0	21.56	-0.43	21.13	<=30	Pass		
		0	21.33	-0.43	20.90	<=30	Pass		
		25	21.34	-0.43	20.91	<=30	Pass		
1750	1	49	21.33	-0.43	20.90	<=30	Pass		
		0	21.33	-0.43	20.90	<=30	Pass		
		13	21.34	-0.43	20.91	<=30	Pass		
	25	0	21.34	-0.43	20.91	<=30	Pass		
		13	21.34	-0.43	20.91	<=30	Pass		
		25	21.34	-0.43	20.91	<=30	Pass		



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64QAM	1715	50	0	21.34	-0.43	20.91	<=30	Pass	
			0	22.07	-0.43	21.64	<=30	Pass	
			1	25	22.06	-0.43	21.63	<=30	Pass
			49	22.07	-0.43	21.64	<=30	Pass	
		25	0	22.06	-0.43	21.63	<=30	Pass	
			13	22.06	-0.43	21.63	<=30	Pass	
			25	22.06	-0.43	21.63	<=30	Pass	
			50	0	22.06	-0.43	21.63	<=30	Pass
		1732.5	1	0	21.58	-0.43	21.15	<=30	Pass
				25	21.59	-0.43	21.16	<=30	Pass
				49	21.56	-0.43	21.13	<=30	Pass
				0	21.58	-0.43	21.15	<=30	Pass
	25		13	21.57	-0.43	21.14	<=30	Pass	
			25	21.57	-0.43	21.14	<=30	Pass	
			50	0	21.55	-0.43	21.12	<=30	Pass
			1750	1	0	21.34	-0.43	20.91	<=30
	25	21.33			-0.43	20.90	<=30	Pass	
	49	21.34			-0.43	20.91	<=30	Pass	
	25	0		21.33	-0.43	20.90	<=30	Pass	
		13	21.34	-0.43	20.91	<=30	Pass		
		25	21.34	-0.43	20.91	<=30	Pass		
	50	0	21.34	-0.43	20.91	<=30	Pass		
	256QAM	1715	1	0	18.99	-0.43	18.56	<=30	Pass
				25	18.91	-0.43	18.48	<=30	Pass
49				18.91	-0.43	18.48	<=30	Pass	
0				18.55	-0.43	18.12	<=30	Pass	
25			13	18.53	-0.43	18.10	<=30	Pass	
			25	18.52	-0.43	18.09	<=30	Pass	
			50	0	18.51	-0.43	18.08	<=30	Pass
			1732.5	1	0	18.42	-0.43	17.99	<=30
25					18.46	-0.43	18.03	<=30	Pass
49					18.42	-0.43	17.99	<=30	Pass
0					18.61	-0.43	18.18	<=30	Pass
25				13	18.63	-0.43	18.20	<=30	Pass
		25		18.65	-0.43	18.22	<=30	Pass	
		50		0	18.57	-0.43	18.14	<=30	Pass
		1750		1	0	18.73	-0.43	18.30	<=30
25			18.64		-0.43	18.21	<=30	Pass	
49			18.56		-0.43	18.13	<=30	Pass	
25			0	18.70	-0.43	18.27	<=30	Pass	
			13	18.63	-0.43	18.20	<=30	Pass	
			25	18.58	-0.43	18.15	<=30	Pass	
			50	0	18.57	-0.43	18.14	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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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	23.48	-0.43	23.05	<=30	Pass	
			38	23.45	-0.43	23.02	<=30	Pass	
			74	23.51	-0.43	23.08	<=30	Pass	
		36	0	22.43	-0.43	22.00	<=30	Pass	
			18	22.44	-0.43	22.01	<=30	Pass	
			39	22.49	-0.43	22.06	<=30	Pass	
		75	0	22.44	-0.43	22.01	<=30	Pass	
			1	0	21.53	-0.43	21.10	<=30	Pass
				38	21.56	-0.43	21.13	<=30	Pass
	74	21.54		-0.43	21.11	<=30	Pass		
	1732.5	36	0	21.56	-0.43	21.13	<=30	Pass	
			18	21.55	-0.43	21.12	<=30	Pass	
			39	21.54	-0.43	21.11	<=30	Pass	
		75	0	21.55	-0.43	21.12	<=30	Pass	
			1	0	21.94	-0.43	21.51	<=30	Pass
				38	21.95	-0.43	21.52	<=30	Pass
	74	21.95		-0.43	21.52	<=30	Pass		
	1747.5	36	0	21.95	-0.43	21.52	<=30	Pass	
			18	21.94	-0.43	21.51	<=30	Pass	
			39	21.94	-0.43	21.51	<=30	Pass	
		75	0	21.94	-0.43	21.51	<=30	Pass	
			1	0	23.02	-0.43	22.59	<=30	Pass
				38	22.99	-0.43	22.56	<=30	Pass
	74	22.98		-0.43	22.55	<=30	Pass		
16QAM	1717.5	36	0	21.46	-0.43	21.03	<=30	Pass	
			18	21.46	-0.43	21.03	<=30	Pass	
			39	21.51	-0.43	21.08	<=30	Pass	
		75	0	21.47	-0.43	21.04	<=30	Pass	
			1	0	21.55	-0.43	21.12	<=30	Pass
				38	21.55	-0.43	21.12	<=30	Pass
	74	21.55		-0.43	21.12	<=30	Pass		
	1732.5	36	0	21.55	-0.43	21.12	<=30	Pass	
			18	21.57	-0.43	21.14	<=30	Pass	
			39	21.53	-0.43	21.10	<=30	Pass	
		75	0	21.55	-0.43	21.12	<=30	Pass	
			1	0	21.95	-0.43	21.52	<=30	Pass
				38	21.93	-0.43	21.50	<=30	Pass
	74	21.95		-0.43	21.52	<=30	Pass		
	1747.5	36	0	21.93	-0.43	21.50	<=30	Pass	
			18	21.95	-0.43	21.52	<=30	Pass	
			39	21.93	-0.43	21.50	<=30	Pass	



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64QAM	1717.5	75	0	21.94	-0.43	21.51	<=30	Pass		
			1	0	21.74	-0.43	21.31	<=30	Pass	
				38	21.71	-0.43	21.28	<=30	Pass	
		36	74	21.74	-0.43	21.31	<=30	Pass		
			0	20.45	-0.43	20.02	<=30	Pass		
			18	20.46	-0.43	20.03	<=30	Pass		
		75	39	20.51	-0.43	20.08	<=30	Pass		
			0	20.48	-0.43	20.05	<=30	Pass		
			1	0	21.53	-0.43	21.10	<=30	Pass	
	1732.5	1	38	21.55	-0.43	21.12	<=30	Pass		
			74	21.55	-0.43	21.12	<=30	Pass		
			0	21.53	-0.43	21.10	<=30	Pass		
		36	18	21.54	-0.43	21.11	<=30	Pass		
			39	21.53	-0.43	21.10	<=30	Pass		
			75	0	21.56	-0.43	21.13	<=30	Pass	
		1747.5	1	0	21.94	-0.43	21.51	<=30	Pass	
				38	21.92	-0.43	21.49	<=30	Pass	
				74	21.96	-0.43	21.53	<=30	Pass	
	36		0	21.93	-0.43	21.50	<=30	Pass		
			18	21.94	-0.43	21.51	<=30	Pass		
			39	21.94	-0.43	21.51	<=30	Pass		
	75		0	21.95	-0.43	21.52	<=30	Pass		
	256QAM		1717.5	1	0	18.98	-0.43	18.55	<=30	Pass
					38	18.91	-0.43	18.48	<=30	Pass
74		18.97			-0.43	18.54	<=30	Pass		
36		0		18.51	-0.43	18.08	<=30	Pass		
		18		18.49	-0.43	18.06	<=30	Pass		
		39		18.53	-0.43	18.10	<=30	Pass		
75		0		18.51	-0.43	18.08	<=30	Pass		
1732.5		1		0	18.38	-0.43	17.95	<=30	Pass	
				38	18.46	-0.43	18.03	<=30	Pass	
			74	18.42	-0.43	17.99	<=30	Pass		
		36	0	18.53	-0.43	18.10	<=30	Pass		
			18	18.55	-0.43	18.12	<=30	Pass		
			39	18.55	-0.43	18.12	<=30	Pass		
		75	0	18.54	-0.43	18.11	<=30	Pass		
		1747.5	1	0	18.92	-0.43	18.49	<=30	Pass	
				38	18.89	-0.43	18.46	<=30	Pass	
74				18.80	-0.43	18.37	<=30	Pass		
36			0	18.60	-0.43	18.17	<=30	Pass		
			18	18.58	-0.43	18.15	<=30	Pass		
			39	18.47	-0.43	18.04	<=30	Pass		
75			0	18.58	-0.43	18.15	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	23.51	-0.43	23.08	<=30	Pass		
			50	23.52	-0.43	23.09	<=30	Pass		
			99	23.53	-0.43	23.10	<=30	Pass		
		50	0	22.48	-0.43	22.05	<=30	Pass		
			25	22.54	-0.43	22.11	<=30	Pass		
			50	22.50	-0.43	22.07	<=30	Pass		
		100	0	22.49	-0.43	22.06	<=30	Pass		
		1732.5	1	0	21.95	-0.43	21.52	<=30	Pass	
				50	21.96	-0.43	21.53	<=30	Pass	
	99			21.97	-0.43	21.54	<=30	Pass		
	50		0	21.97	-0.43	21.54	<=30	Pass		
			25	21.97	-0.43	21.54	<=30	Pass		
			50	21.94	-0.43	21.51	<=30	Pass		
	100		0	21.96	-0.43	21.53	<=30	Pass		
	1745		1	0	21.83	-0.43	21.40	<=30	Pass	
				50	21.84	-0.43	21.41	<=30	Pass	
		99		21.85	-0.43	21.42	<=30	Pass		
		50	0	21.84	-0.43	21.41	<=30	Pass		
			25	21.83	-0.43	21.40	<=30	Pass		
			50	21.83	-0.43	21.40	<=30	Pass		
		100	0	21.83	-0.43	21.40	<=30	Pass		
		16QAM	1720	1	0	22.79	-0.43	22.36	<=30	Pass
					50	22.80	-0.43	22.37	<=30	Pass
	99				22.78	-0.43	22.35	<=30	Pass	
50	0			21.46	-0.43	21.03	<=30	Pass		
	25			21.51	-0.43	21.08	<=30	Pass		
	50			21.50	-0.43	21.07	<=30	Pass		
100	0			21.51	-0.43	21.08	<=30	Pass		
1732.5	1			0	21.96	-0.43	21.53	<=30	Pass	
				50	21.95	-0.43	21.52	<=30	Pass	
			99	21.95	-0.43	21.52	<=30	Pass		
	50		0	21.96	-0.43	21.53	<=30	Pass		
			25	21.96	-0.43	21.53	<=30	Pass		
			50	21.94	-0.43	21.51	<=30	Pass		
	100		0	21.95	-0.43	21.52	<=30	Pass		
	1745		1	0	21.86	-0.43	21.43	<=30	Pass	
				50	21.84	-0.43	21.41	<=30	Pass	
99				21.88	-0.43	21.45	<=30	Pass		
50			0	21.85	-0.43	21.42	<=30	Pass		
			25	21.83	-0.43	21.40	<=30	Pass		
			50	21.86	-0.43	21.43	<=30	Pass		



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64QAM	1720	100	0	21.83	-0.43	21.40	<=30	Pass	
			0	21.71	-0.43	21.28	<=30	Pass	
			50	21.71	-0.43	21.28	<=30	Pass	
			99	21.69	-0.43	21.26	<=30	Pass	
		50	0	20.51	-0.43	20.08	<=30	Pass	
			25	20.56	-0.43	20.13	<=30	Pass	
			50	20.55	-0.43	20.12	<=30	Pass	
			100	0	20.50	-0.43	20.07	<=30	Pass
		1732.5	100	0	21.96	-0.43	21.53	<=30	Pass
				50	21.98	-0.43	21.55	<=30	Pass
				99	21.99	-0.43	21.56	<=30	Pass
				0	21.96	-0.43	21.53	<=30	Pass
	50		25	21.98	-0.43	21.55	<=30	Pass	
			50	21.97	-0.43	21.54	<=30	Pass	
			100	0	21.99	-0.43	21.56	<=30	Pass
			1745	1	0	21.87	-0.43	21.44	<=30
	50				21.85	-0.43	21.42	<=30	Pass
	99				21.83	-0.43	21.40	<=30	Pass
	50			0	21.87	-0.43	21.44	<=30	Pass
			25	21.84	-0.43	21.41	<=30	Pass	
		50	21.84	-0.43	21.41	<=30	Pass		
	100	0	21.84	-0.43	21.41	<=30	Pass		
	256QAM	1720	1	0	18.82	-0.43	18.39	<=30	Pass
				50	18.73	-0.43	18.30	<=30	Pass
99				18.78	-0.43	18.35	<=30	Pass	
0				18.50	-0.43	18.07	<=30	Pass	
50			25	18.51	-0.43	18.08	<=30	Pass	
			50	18.54	-0.43	18.11	<=30	Pass	
			100	0	18.52	-0.43	18.09	<=30	Pass
			1732.5	1	0	18.81	-0.43	18.38	<=30
50					18.85	-0.43	18.42	<=30	Pass
99					18.89	-0.43	18.46	<=30	Pass
0					18.58	-0.43	18.15	<=30	Pass
50				25	18.62	-0.43	18.19	<=30	Pass
		50		18.58	-0.43	18.15	<=30	Pass	
		100		0	18.60	-0.43	18.17	<=30	Pass
		1745		1	0	18.61	-0.43	18.18	<=30
50					18.57	-0.43	18.14	<=30	Pass
99					18.44	-0.43	18.01	<=30	Pass
50				0	18.70	-0.43	18.27	<=30	Pass
				25	18.69	-0.43	18.26	<=30	Pass
			50	18.59	-0.43	18.16	<=30	Pass	
100			0	18.63	-0.43	18.20	<=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		
QPSK	1710.7	6	0	20	3.4	1.588	0.0009	Pass	
					3.8	-3.977	-0.0023	Pass	
					4.4	-3.147	-0.0018	Pass	
				-30	3.8	-14.048	-0.0082	Pass	
					-20	3.8	-13.704	-0.0080	Pass
					-10	3.8	-7.982	-0.0047	Pass
				0	3.8	-5.093	-0.0030	Pass	
					10	3.8	-3.605	-0.0021	Pass
					30	3.8	-11.587	-0.0068	Pass
					40	3.8	-0.043	0.0000	Pass
	50	3.8	-3.891		-0.0023	Pass			
	1732.5	6	0		20	3.4	-8.283	-0.0048	Pass
						3.8	10.929	0.0063	Pass
				4.4		-1.745	-0.0010	Pass	
				-30	3.8	-1.559	-0.0009	Pass	
					-20	3.8	3.762	0.0022	Pass
					-10	3.8	2.360	0.0014	Pass
				0	3.8	-5.536	-0.0032	Pass	
					10	3.8	4.792	0.0028	Pass
					30	3.8	-2.675	-0.0015	Pass
					40	3.8	-6.022	-0.0035	Pass
	50	3.8	4.764		0.0027	Pass			
	1754.3	6	0		20	3.4	1.230	0.0007	Pass
						3.8	-0.043	0.0000	Pass
				4.4		-0.787	-0.0004	Pass	
				-30	3.8	-13.275	-0.0076	Pass	
					-20	3.8	-8.926	-0.0051	Pass
					-10	3.8	-0.472	-0.0003	Pass
				0	3.8	2.146	0.0012	Pass	
					10	3.8	-2.646	-0.0015	Pass
30					3.8	5.307	0.0030	Pass	
40					3.8	0.958	0.0005	Pass	
50	3.8	2.689	0.0015		Pass				
16QAM	1710.7	6	0		20	3.4	-2.217	-0.0013	Pass
						3.8	-3.834	-0.0022	Pass
				4.4		-10.400	-0.0061	Pass	
				-30	3.8	-11.301	-0.0066	Pass	
					-20	3.8	-15.349	-0.0090	Pass



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64QAM	1732.5	6	0	-10	3.8	-6.094	-0.0036	Pass			
				0	3.8	-9.956	-0.0058	Pass			
				10	3.8	-3.805	-0.0022	Pass			
				30	3.8	-3.090	-0.0018	Pass			
				40	3.8	-11.258	-0.0066	Pass			
				50	3.8	-5.236	-0.0031	Pass			
				20	3.4	-0.472	-0.0003	Pass			
					3.8	-3.963	-0.0023	Pass			
					4.4	-1.259	-0.0007	Pass			
				-30	3.8	-2.403	-0.0014	Pass			
				-20	3.8	-4.992	-0.0029	Pass			
				-10	3.8	4.449	0.0026	Pass			
				0	3.8	-0.443	-0.0003	Pass			
				10	3.8	-1.559	-0.0009	Pass			
				30	3.8	1.903	0.0011	Pass			
	40	3.8	-5.393	-0.0031	Pass						
	50	3.8	-3.777	-0.0022	Pass						
	1754.3	6	0	20	3.4	1.731	0.0010	Pass			
					3.8	2.389	0.0014	Pass			
					4.4	-3.777	-0.0022	Pass			
				-30	3.8	0.644	0.0004	Pass			
				-20	3.8	-1.287	-0.0007	Pass			
				-10	3.8	1.001	0.0006	Pass			
				0	3.8	-0.587	-0.0003	Pass			
				10	3.8	0.143	0.0001	Pass			
				30	3.8	0.887	0.0005	Pass			
				40	3.8	-4.492	-0.0026	Pass			
				50	3.8	2.789	0.0016	Pass			
				1710.7	6	0	20	3.4	-7.396	-0.0043	Pass
								3.8	-7.167	-0.0042	Pass
4.4								-3.176	-0.0019	Pass	
-30							3.8	-8.726	-0.0051	Pass	
-20	3.8	2.789	0.0016				Pass				
-10	3.8	-4.177	-0.0024				Pass				
0	3.8	-13.604	-0.0080				Pass				
10	3.8	-4.706	-0.0028				Pass				
30	3.8	-9.270	-0.0054				Pass				
40	3.8	-9.184	-0.0054				Pass				
50	3.8	-5.193	-0.0030				Pass				
1732.5	6	0	20				3.4	0.200	0.0001	Pass	
							3.8	-4.992	-0.0029	Pass	
							4.4	3.290	0.0019	Pass	
			-30				3.8	-4.649	-0.0027	Pass	
			-20	3.8	1.760	0.0010	Pass				
			-10	3.8	-4.992	-0.0029	Pass				
			0	3.8	2.203	0.0013	Pass				
			10	3.8	-0.186	-0.0001	Pass				
			30	3.8	0.458	0.0003	Pass				
			40	3.8	3.490	0.0020	Pass				



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	1754.3	6	0	50	3.8	-2.332	-0.0013	Pass
				20	3.4	1.559	0.0009	Pass
					3.8	-8.225	-0.0047	Pass
					4.4	-0.286	-0.0002	Pass
					-30	3.8	1.717	0.0010
				-20	3.8	-6.952	-0.0040	Pass
				-10	3.8	1.087	0.0006	Pass
				0	3.8	-0.501	-0.0003	Pass
				10	3.8	5.636	0.0032	Pass
				30	3.8	2.317	0.0013	Pass
				40	3.8	3.920	0.0022	Pass
				50	3.8	-3.762	-0.0021	Pass
				256QAM	1710.7	6	0	20
3.8	1.845	0.0011	Pass					
	4.4	-9.685	-0.0057					Pass
	-30	3.8	-12.016					-0.0070
-20	3.8	-2.160	-0.0013					Pass
-10	3.8	-9.484	-0.0055					Pass
0	3.8	-10.543	-0.0062					Pass
10	3.8	-7.668	-0.0045					Pass
30	3.8	-2.704	-0.0016					Pass
40	3.8	-12.031	-0.0070					Pass
50	3.8	-7.954	-0.0046		Pass			
1732.5	6	0	20		3.4	-0.472	-0.0003	Pass
					3.8	1.001	0.0006	Pass
					4.4	-2.933	-0.0017	Pass
					-30	3.8	-6.080	-0.0035
			-20		3.8	0.715	0.0004	Pass
			-10		3.8	-0.100	-0.0001	Pass
			0		3.8	-4.935	-0.0028	Pass
			10		3.8	-6.638	-0.0038	Pass
			30		3.8	2.060	0.0012	Pass
			40	3.8	-3.862	-0.0022	Pass	
50	3.8	1.974	0.0011	Pass				
1754.3	6	0	20	3.4	5.507	0.0031	Pass	
				3.8	6.094	0.0035	Pass	
				4.4	4.964	0.0028	Pass	
				-30	3.8	-1.602	-0.0009	Pass
			-20	3.8	-1.674	-0.0010	Pass	
			-10	3.8	-3.204	-0.0018	Pass	
			0	3.8	8.011	0.0046	Pass	
			10	3.8	-2.017	-0.0011	Pass	
			30	3.8	-2.761	-0.0016	Pass	
			40	3.8	6.008	0.0034	Pass	
50	3.8	-5.836	-0.0033	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		
QPSK	1711.5	15	0	20	3.4	4.864	0.0028	Pass	
					3.8	0.701	0.0004	Pass	
					4.4	-2.518	-0.0015	Pass	
				-30	3.8	-7.911	-0.0046	Pass	
					-20	3.8	-3.490	-0.0020	Pass
					-10	3.8	-3.319	-0.0019	Pass
				0	3.8	1.788	0.0010	Pass	
					10	3.8	4.563	0.0027	Pass
					30	3.8	-0.830	-0.0005	Pass
	40	3.8	-3.018		-0.0018	Pass			
	50	3.8	-3.619		-0.0021	Pass			
	1732.5	15	0	20	3.4	10.586	0.0061	Pass	
					3.8	6.280	0.0036	Pass	
					4.4	-0.873	-0.0005	Pass	
				-30	3.8	1.974	0.0011	Pass	
					-20	3.8	1.631	0.0009	Pass
					-10	3.8	3.605	0.0021	Pass
				0	3.8	-0.973	-0.0006	Pass	
					10	3.8	-1.087	-0.0006	Pass
					30	3.8	-1.688	-0.0010	Pass
	40	3.8	-2.832		-0.0016	Pass			
	50	3.8	1.888		0.0011	Pass			
	1753.5	15	0	20	3.4	-1.230	-0.0007	Pass	
					3.8	3.247	0.0019	Pass	
					4.4	-0.701	-0.0004	Pass	
				-30	3.8	-0.830	-0.0005	Pass	
					-20	3.8	-0.515	-0.0003	Pass
-10					3.8	4.392	0.0025	Pass	
0				3.8	-5.379	-0.0031	Pass		
				10	3.8	5.794	0.0033	Pass	
				30	3.8	-2.160	-0.0012	Pass	
	40	3.8	-2.160	-0.0012	Pass				
	50	3.8	-6.924	-0.0039	Pass				
16QAM	1711.5	15	0	20	3.4	1.874	0.0011	Pass	
					3.8	-0.744	-0.0004	Pass	
					4.4	4.034	0.0024	Pass	
				-30	3.8	-4.635	-0.0027	Pass	
				-20	3.8	4.048	0.0024	Pass	
-10	3.8	-3.176	-0.0019	Pass					
0	3.8	-0.916	-0.0005	Pass					



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				10	3.8	-2.661	-0.0016	Pass					
				30	3.8	-2.332	-0.0014	Pass					
				40	3.8	4.177	0.0024	Pass					
				50	3.8	-7.038	-0.0041	Pass					
				20	3.4	6.537	0.0038	Pass					
	1732.5	15	0		20	3.8	-1.001	-0.0006	Pass				
					4.4	-0.286	-0.0002	Pass					
					-30	3.8	1.488	0.0009	Pass				
					-20	3.8	0.672	0.0004	Pass				
					-10	3.8	-0.172	-0.0001	Pass				
					0	3.8	2.074	0.0012	Pass				
					10	3.8	1.230	0.0007	Pass				
					30	3.8	6.881	0.0040	Pass				
					40	3.8	2.103	0.0012	Pass				
					50	3.8	4.649	0.0027	Pass				
					1753.5	15	0		20	3.4	-4.392	-0.0025	Pass
									3.8	-9.556	-0.0054	Pass	
									4.4	-6.809	-0.0039	Pass	
									-30	3.8	-7.038	-0.0040	Pass
									-20	3.8	0.658	0.0004	Pass
-10	3.8	-1.516	-0.0009	Pass									
0	3.8	-0.343	-0.0002	Pass									
10	3.8	-4.334	-0.0025	Pass									
30	3.8	3.119	0.0018	Pass									
40	3.8	-4.978	-0.0028	Pass									
50	3.8	2.060	0.0012	Pass									
64QAM	1711.5	15	0		20	3.4	-11.673	-0.0068	Pass				
					3.8	-6.437	-0.0038	Pass					
					4.4	5.307	0.0031	Pass					
					-30	3.8	-4.163	-0.0024	Pass				
					-20	3.8	-0.429	-0.0003	Pass				
					-10	3.8	-3.648	-0.0021	Pass				
					0	3.8	3.591	0.0021	Pass				
					10	3.8	1.287	0.0008	Pass				
					30	3.8	-8.783	-0.0051	Pass				
					40	3.8	-0.529	-0.0003	Pass				
	50	3.8	-0.930	-0.0005	Pass								
	1732.5	15	0			20	3.4	0.415	0.0002	Pass			
						3.8	-2.146	-0.0012	Pass				
						4.4	3.734	0.0022	Pass				
						-30	3.8	3.448	0.0020	Pass			
						-20	3.8	3.633	0.0021	Pass			
						-10	3.8	-0.916	-0.0005	Pass			
						0	3.8	1.402	0.0008	Pass			
						10	3.8	2.146	0.0012	Pass			
						30	3.8	3.090	0.0018	Pass			
40						3.8	-5.193	-0.0030	Pass				
50	3.8	-2.975	-0.0017	Pass									
1753.5	15	0	20	3.4	-8.855	-0.0050	Pass						



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					3.8	-10.228	-0.0058	Pass				
					4.4	-8.883	-0.0051	Pass				
				-30	3.8	-4.950	-0.0028	Pass				
				-20	3.8	2.146	0.0012	Pass				
				-10	3.8	-7.381	-0.0042	Pass				
				0	3.8	-1.059	-0.0006	Pass				
				10	3.8	-1.688	-0.0010	Pass				
				30	3.8	-3.376	-0.0019	Pass				
				40	3.8	6.294	0.0036	Pass				
				50	3.8	-0.272	-0.0002	Pass				
256QAM	1711.5	15	0	20	3.4	0.887	0.0005	Pass				
					3.8	-8.597	-0.0050	Pass				
					4.4	-1.788	-0.0010	Pass				
								-30	3.8	-4.520	-0.0026	Pass
								-20	3.8	-2.332	-0.0014	Pass
								-10	3.8	2.317	0.0014	Pass
								0	3.8	0.215	0.0001	Pass
								10	3.8	-4.606	-0.0027	Pass
								30	3.8	0.873	0.0005	Pass
					40	3.8	-4.592	-0.0027	Pass			
					50	3.8	-1.044	-0.0006	Pass			
		1732.5	15	0	20	3.4	-0.730	-0.0004	Pass			
	3.8					-2.346	-0.0014	Pass				
	4.4					-8.683	-0.0050	Pass				
								-30	3.8	-0.143	-0.0001	Pass
								-20	3.8	1.817	0.0010	Pass
								-10	3.8	-2.947	-0.0017	Pass
								0	3.8	-2.189	-0.0013	Pass
								10	3.8	-0.272	-0.0002	Pass
								30	3.8	-3.262	-0.0019	Pass
					40	3.8	-8.569	-0.0049	Pass			
					50	3.8	1.645	0.0009	Pass			
		1753.5	15	0	20	3.4	-3.190	-0.0018	Pass			
	3.8					-5.865	-0.0033	Pass				
	4.4					-3.018	-0.0017	Pass				
								-30	3.8	-0.730	-0.0004	Pass
								-20	3.8	-4.992	-0.0028	Pass
							-10	3.8	-3.562	-0.0020	Pass	
							0	3.8	-4.921	-0.0028	Pass	
							10	3.8	-6.709	-0.0038	Pass	
							30	3.8	-4.621	-0.0026	Pass	
				40	3.8	-4.120	-0.0023	Pass				
				50	3.8	-10.700	-0.0061	Pass				



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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	
QPSK	1712.5	25	0	20	3.4	9.670	0.0056	Pass
					3.8	-0.072	0.0000	Pass
					4.4	4.563	0.0027	Pass
				-30	3.8	0.858	0.0005	Pass
				-20	3.8	5.779	0.0034	Pass
				-10	3.8	7.424	0.0043	Pass
				0	3.8	5.865	0.0034	Pass
				10	3.8	2.789	0.0016	Pass
				30	3.8	-3.719	-0.0022	Pass
				40	3.8	-0.043	0.0000	Pass
	50	3.8	3.161	0.0018	Pass			
	1732.5	25	0	20	3.4	-0.300	-0.0002	Pass
					3.8	-3.991	-0.0023	Pass
					4.4	-9.012	-0.0052	Pass
				-30	3.8	2.289	0.0013	Pass
				-20	3.8	-3.734	-0.0022	Pass
				-10	3.8	-6.852	-0.0040	Pass
				0	3.8	-0.072	0.0000	Pass
				10	3.8	-3.304	-0.0019	Pass
				30	3.8	-0.787	-0.0005	Pass
				40	3.8	0.715	0.0004	Pass
	1752.5	25	0	20	3.4	-3.290	-0.0019	Pass
					3.8	4.034	0.0023	Pass
					4.4	-2.060	-0.0012	Pass
				-30	3.8	-4.091	-0.0023	Pass
				-20	3.8	3.948	0.0023	Pass
				-10	3.8	3.991	0.0023	Pass
				0	3.8	0.272	0.0002	Pass
				10	3.8	3.948	0.0023	Pass
				30	3.8	3.262	0.0019	Pass
40				3.8	4.849	0.0028	Pass	
16QAM	1712.5	25	0	20	3.4	6.924	0.0040	Pass
					3.8	-0.086	-0.0001	Pass
					4.4	-1.559	-0.0009	Pass
				-30	3.8	3.433	0.0020	Pass
				-20	3.8	-0.515	-0.0003	Pass
				-10	3.8	-2.074	-0.0012	Pass
				0	3.8	-0.215	-0.0001	Pass



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	1732.5	25	0	10	3.8	4.935	0.0029	Pass
				30	3.8	-2.389	-0.0014	Pass
				40	3.8	-8.826	-0.0052	Pass
				50	3.8	-8.483	-0.0050	Pass
				20	3.4	-2.289	-0.0013	Pass
					3.8	-6.580	-0.0038	Pass
					4.4	4.134	0.0024	Pass
				-30	3.8	-7.267	-0.0042	Pass
				-20	3.8	2.203	0.0013	Pass
				-10	3.8	-1.431	-0.0008	Pass
	0	3.8	2.060	0.0012	Pass			
	10	3.8	-1.116	-0.0006	Pass			
	30	3.8	1.359	0.0008	Pass			
	40	3.8	-6.666	-0.0038	Pass			
	50	3.8	4.764	0.0027	Pass			
	1752.5	25	0	20	3.4	4.635	0.0026	Pass
					3.8	-1.259	-0.0007	Pass
					4.4	1.602	0.0009	Pass
				-30	3.8	-1.674	-0.0010	Pass
				-20	3.8	0.129	0.0001	Pass
-10				3.8	-1.445	-0.0008	Pass	
0				3.8	-11.702	-0.0067	Pass	
10				3.8	-1.588	-0.0009	Pass	
30				3.8	-1.488	-0.0008	Pass	
40				3.8	-5.708	-0.0033	Pass	
50	3.8	-10.800	-0.0062	Pass				
64QAM	1712.5	25	0	20	3.4	0.701	0.0004	Pass
					3.8	-5.264	-0.0031	Pass
					4.4	-2.975	-0.0017	Pass
				-30	3.8	1.173	0.0007	Pass
				-20	3.8	-11.888	-0.0069	Pass
				-10	3.8	-2.933	-0.0017	Pass
				0	3.8	-4.606	-0.0027	Pass
				10	3.8	3.819	0.0022	Pass
				30	3.8	-2.975	-0.0017	Pass
				40	3.8	1.001	0.0006	Pass
	50	3.8	-0.916	-0.0005	Pass			
	1732.5	25	0	20	3.4	0.000	0.0000	Pass
					3.8	0.672	0.0004	Pass
					4.4	-8.955	-0.0052	Pass
				-30	3.8	1.831	0.0011	Pass
				-20	3.8	0.958	0.0006	Pass
				-10	3.8	-7.854	-0.0045	Pass
				0	3.8	-2.003	-0.0012	Pass
				10	3.8	-2.661	-0.0015	Pass
				30	3.8	-5.493	-0.0032	Pass
40				3.8	-4.835	-0.0028	Pass	
50	3.8	0.772	0.0004	Pass				
1752.5	25	0	20	3.4	-7.825	-0.0045	Pass	



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					3.8	-4.821	-0.0028	Pass
					4.4	-2.546	-0.0015	Pass
				-30	3.8	2.804	0.0016	Pass
				-20	3.8	-3.877	-0.0022	Pass
				-10	3.8	-7.925	-0.0045	Pass
				0	3.8	-8.211	-0.0047	Pass
				10	3.8	-0.730	-0.0004	Pass
				30	3.8	-0.086	0.0000	Pass
				40	3.8	-8.054	-0.0046	Pass
				50	3.8	-1.016	-0.0006	Pass
256QAM	1712.5	25	0	20	3.4	0.801	0.0005	Pass
					3.8	-2.317	-0.0014	Pass
					4.4	-5.436	-0.0032	Pass
				-30	3.8	-0.887	-0.0005	Pass
				-20	3.8	-5.865	-0.0034	Pass
				-10	3.8	-5.250	-0.0031	Pass
				0	3.8	-1.001	-0.0006	Pass
				10	3.8	-5.565	-0.0032	Pass
				30	3.8	-3.991	-0.0023	Pass
				40	3.8	-6.909	-0.0040	Pass
	50	3.8	4.163	0.0024	Pass			
	1732.5	25	0	20	3.4	-3.190	-0.0018	Pass
					3.8	-2.604	-0.0015	Pass
					4.4	0.930	0.0005	Pass
				-30	3.8	-7.324	-0.0042	Pass
				-20	3.8	-8.297	-0.0048	Pass
				-10	3.8	-0.873	-0.0005	Pass
				0	3.8	5.550	0.0032	Pass
				10	3.8	-1.001	-0.0006	Pass
				30	3.8	-1.988	-0.0011	Pass
				40	3.8	2.661	0.0015	Pass
	50	3.8	-2.346	-0.0014	Pass			
	1752.5	25	0	20	3.4	-3.333	-0.0019	Pass
					3.8	1.731	0.0010	Pass
					4.4	3.719	0.0021	Pass
				-30	3.8	-6.766	-0.0039	Pass
				-20	3.8	-3.076	-0.0018	Pass
				-10	3.8	-4.191	-0.0024	Pass
				0	3.8	-0.372	-0.0002	Pass
				10	3.8	-3.891	-0.0022	Pass
30				3.8	-0.629	-0.0004	Pass	
40				3.8	3.090	0.0018	Pass	
50	3.8	-5.994	-0.0034	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	
QPSK	1715	50	0	20	3.4	9.656	0.0056	Pass
					3.8	6.280	0.0037	Pass
					4.4	5.693	0.0033	Pass
				-30	3.8	1.416	0.0008	Pass
				-20	3.8	4.377	0.0026	Pass
				-10	3.8	1.802	0.0011	Pass
				0	3.8	1.245	0.0007	Pass
				10	3.8	5.994	0.0035	Pass
				30	3.8	3.362	0.0020	Pass
				40	3.8	-0.300	-0.0002	Pass
	50	3.8	6.080	0.0035	Pass			
	1732.5	50	0	20	3.4	-0.815	-0.0005	Pass
					3.8	-1.173	-0.0007	Pass
					4.4	-2.890	-0.0017	Pass
				-30	3.8	-6.766	-0.0039	Pass
				-20	3.8	-0.043	0.0000	Pass
				-10	3.8	-2.775	-0.0016	Pass
				0	3.8	-3.576	-0.0021	Pass
				10	3.8	-1.044	-0.0006	Pass
				30	3.8	-0.615	-0.0004	Pass
				40	3.8	0.887	0.0005	Pass
	50	3.8	-4.320	-0.0025	Pass			
	1750	50	0	20	3.4	-0.200	-0.0001	Pass
					3.8	3.147	0.0018	Pass
					4.4	3.161	0.0018	Pass
				-30	3.8	1.273	0.0007	Pass
				-20	3.8	3.748	0.0021	Pass
				-10	3.8	0.658	0.0004	Pass
				0	3.8	4.406	0.0025	Pass
				10	3.8	-1.531	-0.0009	Pass
30				3.8	-1.016	-0.0006	Pass	
40				3.8	1.388	0.0008	Pass	
50	3.8	3.076	0.0018	Pass				
16QAM	1715	50	0	20	3.4	0.472	0.0003	Pass
					3.8	2.747	0.0016	Pass
					4.4	9.699	0.0057	Pass
				-30	3.8	4.120	0.0024	Pass
				-20	3.8	3.619	0.0021	Pass
-10	3.8	3.877	0.0023	Pass				
0	3.8	5.350	0.0031	Pass				



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				10	3.8	-3.948	-0.0023	Pass				
				30	3.8	-4.306	-0.0025	Pass				
				40	3.8	-2.046	-0.0012	Pass				
				50	3.8	-4.363	-0.0025	Pass				
	1732.5	50	0	20	3.4	-2.747	-0.0016	Pass				
					3.8	2.789	0.0016	Pass				
					4.4	0.615	0.0004	Pass				
								-30	3.8	4.220	0.0024	Pass
								-20	3.8	-3.333	-0.0019	Pass
								-10	3.8	2.704	0.0016	Pass
								0	3.8	2.532	0.0015	Pass
								10	3.8	-1.059	-0.0006	Pass
								30	3.8	0.873	0.0005	Pass
								40	3.8	-2.031	-0.0012	Pass
								50	3.8	1.030	0.0006	Pass
				1750	50	0	20	3.4	2.031	0.0012	Pass	
	3.8	-10.085	-0.0058					Pass				
	4.4	0.129	0.0001					Pass				
								-30	3.8	-2.160	-0.0012	Pass
								-20	3.8	-1.774	-0.0010	Pass
							-10	3.8	0.715	0.0004	Pass	
							0	3.8	-0.472	-0.0003	Pass	
							10	3.8	-9.055	-0.0052	Pass	
							30	3.8	-0.472	-0.0003	Pass	
							40	3.8	-2.089	-0.0012	Pass	
							50	3.8	-0.687	-0.0004	Pass	
64QAM	1715	50	0				20	3.4	-2.203	-0.0013	Pass	
				3.8	-5.293	-0.0031		Pass				
				4.4	-1.030	-0.0006		Pass				
								-30	3.8	-5.794	-0.0034	Pass
								-20	3.8	-2.017	-0.0012	Pass
								-10	3.8	2.260	0.0013	Pass
								0	3.8	-2.203	-0.0013	Pass
								10	3.8	-0.172	-0.0001	Pass
								30	3.8	3.948	0.0023	Pass
								40	3.8	-2.303	-0.0013	Pass
								50	3.8	2.418	0.0014	Pass
				1732.5	50	0	20	3.4	1.101	0.0006	Pass	
	3.8	0.458	0.0003					Pass				
	4.4	-5.150	-0.0030					Pass				
								-30	3.8	3.963	0.0023	Pass
								-20	3.8	-1.631	-0.0009	Pass
								-10	3.8	-0.901	-0.0005	Pass
								0	3.8	0.772	0.0004	Pass
								10	3.8	2.418	0.0014	Pass
	1750	50	0	20	3.4	-4.678	-0.0027	Pass				



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					3.8	-1.030	-0.0006	Pass
					4.4	-2.203	-0.0013	Pass
				-30	3.8	1.359	0.0008	Pass
				-20	3.8	-4.635	-0.0026	Pass
				-10	3.8	-1.917	-0.0011	Pass
				0	3.8	-3.905	-0.0022	Pass
				10	3.8	-5.593	-0.0032	Pass
				30	3.8	-5.064	-0.0029	Pass
				40	3.8	-5.121	-0.0029	Pass
				50	3.8	-2.818	-0.0016	Pass
256QAM	1715	50	0	20	3.4	1.874	0.0011	Pass
					3.8	1.216	0.0007	Pass
					4.4	-2.646	-0.0015	Pass
				-30	3.8	-3.133	-0.0018	Pass
				-20	3.8	-0.272	-0.0002	Pass
				-10	3.8	3.691	0.0022	Pass
				0	3.8	1.845	0.0011	Pass
				10	3.8	-0.486	-0.0003	Pass
				30	3.8	-2.847	-0.0017	Pass
				40	3.8	-3.276	-0.0019	Pass
	50	3.8	1.802	0.0011	Pass			
	1732.5	50	0	20	3.4	-1.345	-0.0008	Pass
					3.8	0.057	0.0000	Pass
					4.4	0.572	0.0003	Pass
				-30	3.8	-4.120	-0.0024	Pass
				-20	3.8	-1.559	-0.0009	Pass
				-10	3.8	-6.008	-0.0035	Pass
				0	3.8	-4.778	-0.0028	Pass
				10	3.8	-0.901	-0.0005	Pass
				30	3.8	-2.117	-0.0012	Pass
				40	3.8	-4.635	-0.0027	Pass
	50	3.8	-2.289	-0.0013	Pass			
	1750	50	0	20	3.4	-6.251	-0.0036	Pass
					3.8	-3.147	-0.0018	Pass
					4.4	-2.003	-0.0011	Pass
				-30	3.8	-1.788	-0.0010	Pass
				-20	3.8	-3.777	-0.0022	Pass
				-10	3.8	-5.078	-0.0029	Pass
0				3.8	-3.920	-0.0022	Pass	
10				3.8	2.303	0.0013	Pass	
30				3.8	0.601	0.0003	Pass	
40				3.8	4.978	0.0028	Pass	
50	3.8	-0.043	0.0000	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	
QPSK	1717.5	75	0	20	3.4	0.243	0.0001	Pass
					3.8	-0.515	-0.0003	Pass
					4.4	-0.014	0.0000	Pass
				-30	3.8	-3.562	-0.0021	Pass
				-20	3.8	-2.089	-0.0012	Pass
				-10	3.8	-2.503	-0.0015	Pass
				0	3.8	-0.944	-0.0005	Pass
				10	3.8	-2.375	-0.0014	Pass
				30	3.8	-3.605	-0.0021	Pass
				40	3.8	-1.788	-0.0010	Pass
	50	3.8	-4.277	-0.0025	Pass			
	1732.5	75	0	20	3.4	-0.629	-0.0004	Pass
					3.8	0.515	0.0003	Pass
					4.4	1.431	0.0008	Pass
				-30	3.8	3.633	0.0021	Pass
				-20	3.8	0.515	0.0003	Pass
				-10	3.8	1.130	0.0007	Pass
				0	3.8	-3.390	-0.0020	Pass
				10	3.8	3.319	0.0019	Pass
				30	3.8	-0.100	-0.0001	Pass
				40	3.8	1.030	0.0006	Pass
	50	3.8	-3.476	-0.0020	Pass			
	1747.5	75	0	20	3.4	1.574	0.0009	Pass
					3.8	3.233	0.0019	Pass
					4.4	-0.229	-0.0001	Pass
				-30	3.8	-1.245	-0.0007	Pass
				-20	3.8	1.802	0.0010	Pass
				-10	3.8	-1.073	-0.0006	Pass
				0	3.8	1.073	0.0006	Pass
				10	3.8	-0.129	-0.0001	Pass
30				3.8	4.148	0.0024	Pass	
40				3.8	0.772	0.0004	Pass	
50	3.8	-0.086	0.0000	Pass				
16QAM	1717.5	75	0	20	3.4	0.343	0.0002	Pass
					3.8	-2.918	-0.0017	Pass
					4.4	-3.877	-0.0023	Pass
				-30	3.8	-5.050	-0.0029	Pass
				-20	3.8	1.903	0.0011	Pass
-10	3.8	-0.186	-0.0001	Pass				
0	3.8	-0.901	-0.0005	Pass				



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				10	3.8	1.874	0.0011	Pass					
				30	3.8	2.947	0.0017	Pass					
				40	3.8	1.960	0.0011	Pass					
				50	3.8	-0.830	-0.0005	Pass					
				20	3.4	-1.445	-0.0008	Pass					
	1732.5	75	0		20	3.8	-1.745	-0.0010	Pass				
					4.4	-1.559	-0.0009	Pass					
					-30	3.8	0.272	0.0002	Pass				
					-20	3.8	-0.744	-0.0004	Pass				
					-10	3.8	2.718	0.0016	Pass				
					0	3.8	3.448	0.0020	Pass				
					10	3.8	1.044	0.0006	Pass				
					30	3.8	-2.990	-0.0017	Pass				
					40	3.8	0.687	0.0004	Pass				
					50	3.8	-0.429	-0.0002	Pass				
					1747.5	75	0		20	3.4	3.862	0.0022	Pass
									3.8	1.445	0.0008	Pass	
									4.4	-0.987	-0.0006	Pass	
									-30	3.8	-3.877	-0.0022	Pass
									-20	3.8	3.490	0.0020	Pass
-10	3.8	0.472	0.0003	Pass									
0	3.8	-2.189	-0.0013	Pass									
10	3.8	0.014	0.0000	Pass									
30	3.8	1.230	0.0007	Pass									
40	3.8	3.562	0.0020	Pass									
50	3.8	0.086	0.0000	Pass									
64QAM	1717.5	75	0		20	3.4	2.289	0.0013	Pass				
					3.8	4.263	0.0025	Pass					
					4.4	0.844	0.0005	Pass					
					-30	3.8	5.193	0.0030	Pass				
					-20	3.8	0.100	0.0001	Pass				
					-10	3.8	1.516	0.0009	Pass				
					0	3.8	6.223	0.0036	Pass				
					10	3.8	8.097	0.0047	Pass				
					30	3.8	5.121	0.0030	Pass				
					40	3.8	1.402	0.0008	Pass				
	50	3.8	-0.272	-0.0002	Pass								
	1732.5	75	0			20	3.4	-0.358	-0.0002	Pass			
						3.8	0.157	0.0001	Pass				
						4.4	0.315	0.0002	Pass				
						-30	3.8	0.358	0.0002	Pass			
						-20	3.8	-0.887	-0.0005	Pass			
						-10	3.8	0.243	0.0001	Pass			
						0	3.8	2.403	0.0014	Pass			
						10	3.8	1.903	0.0011	Pass			
						30	3.8	-1.230	-0.0007	Pass			
40						3.8	1.116	0.0006	Pass				
50	3.8	-4.263	-0.0025	Pass									
1747.5	75	0	20	3.4	1.531	0.0009	Pass						



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					3.8	-0.687	-0.0004	Pass							
					4.4	-3.505	-0.0020	Pass							
				-30	3.8	-2.360	-0.0014	Pass							
				-20	3.8	-4.220	-0.0024	Pass							
				-10	3.8	1.774	0.0010	Pass							
				0	3.8	-3.076	-0.0018	Pass							
				10	3.8	-4.764	-0.0027	Pass							
				30	3.8	-2.303	-0.0013	Pass							
				40	3.8	-0.944	-0.0005	Pass							
				50	3.8	1.874	0.0011	Pass							
256QAM	1717.5	75	0	20	3.4	3.233	0.0019	Pass							
					3.8	4.106	0.0024	Pass							
					4.4	3.805	0.0022	Pass							
								-30	3.8	4.721	0.0027	Pass			
								-20	3.8	5.364	0.0031	Pass			
								-10	3.8	0.930	0.0005	Pass			
								0	3.8	7.496	0.0044	Pass			
								10	3.8	2.990	0.0017	Pass			
								30	3.8	1.574	0.0009	Pass			
								40	3.8	-3.619	-0.0021	Pass			
								50	3.8	-2.446	-0.0014	Pass			
					1732.5	75	0	20	3.4	1.688	0.0010	Pass			
	3.8	-0.100	-0.0001	Pass											
	4.4	0.858	0.0005	Pass											
								-30	3.8	-2.847	-0.0016	Pass			
								-20	3.8	0.544	0.0003	Pass			
								-10	3.8	-2.460	-0.0014	Pass			
								0	3.8	-2.332	-0.0013	Pass			
								10	3.8	-0.443	-0.0003	Pass			
								30	3.8	-2.990	-0.0017	Pass			
								40	3.8	-2.589	-0.0015	Pass			
								50	3.8	-0.486	-0.0003	Pass			
		1747.5	75	0				20	3.4	-0.386	-0.0002	Pass			
	3.8								1.144	0.0007	Pass				
	4.4								-0.858	-0.0005	Pass				
											-30	3.8	-4.563	-0.0026	Pass
											-20	3.8	-1.488	-0.0009	Pass
								-10	3.8	1.860	0.0011	Pass			
							0	3.8	2.203	0.0013	Pass				
							10	3.8	2.389	0.0014	Pass				
							30	3.8	0.343	0.0002	Pass				
							40	3.8	2.203	0.0013	Pass				
							50	3.8	0.300	0.0002	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		
QPSK	1720	100	0	20	3.4	-0.844	-0.0005	Pass	
					3.8	-3.247	-0.0019	Pass	
					4.4	1.259	0.0007	Pass	
				-30	3.8	-3.304	-0.0019	Pass	
					-20	3.8	-1.745	-0.0010	Pass
						3.8	-4.148	-0.0024	Pass
				0	3.8	-2.346	-0.0014	Pass	
					10	3.8	-6.094	-0.0035	Pass
					30	3.8	-4.234	-0.0025	Pass
					40	3.8	-2.160	-0.0013	Pass
	50	3.8	0.801		0.0005	Pass			
	1732.5	100	0		20	3.4	3.748	0.0022	Pass
						3.8	-0.286	-0.0002	Pass
				4.4		-0.544	-0.0003	Pass	
				-30	3.8	-1.473	-0.0009	Pass	
					-20	3.8	-1.030	-0.0006	Pass
						3.8	0.429	0.0002	Pass
				0	3.8	-1.645	-0.0009	Pass	
					10	3.8	1.130	0.0007	Pass
					30	3.8	-0.672	-0.0004	Pass
					40	3.8	1.802	0.0010	Pass
	50	3.8	1.130		0.0007	Pass			
	1745	100	0		20	3.4	-3.219	-0.0018	Pass
						3.8	-6.037	-0.0035	Pass
				4.4		-3.505	-0.0020	Pass	
				-30	3.8	-6.180	-0.0035	Pass	
					-20	3.8	-3.219	-0.0018	Pass
						3.8	-1.187	-0.0007	Pass
				0	3.8	-1.817	-0.0010	Pass	
					10	3.8	2.918	0.0017	Pass
30					3.8	2.003	0.0011	Pass	
40					3.8	-2.346	-0.0013	Pass	
50	3.8	-0.486	-0.0003		Pass				
16QAM	1720	100	0		20	3.4	-6.309	-0.0037	Pass
						3.8	-7.396	-0.0043	Pass
				4.4		-2.260	-0.0013	Pass	
				-30	3.8	-3.147	-0.0018	Pass	
					-20	3.8	-5.808	-0.0034	Pass
						3.8	-1.860	-0.0011	Pass
0	3.8	-4.792	-0.0028	Pass					



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				10	3.8	-0.072	0.0000	Pass					
				30	3.8	-5.121	-0.0030	Pass					
				40	3.8	-0.043	0.0000	Pass					
				50	3.8	-0.744	-0.0004	Pass					
				20	3.4	0.744	0.0004	Pass					
	1732.5	100	0		20	3.8	3.576	0.0021	Pass				
						4.4	0.472	0.0003	Pass				
					-30	3.8	0.887	0.0005	Pass				
					-20	3.8	0.157	0.0001	Pass				
					-10	3.8	1.202	0.0007	Pass				
					0	3.8	2.990	0.0017	Pass				
					10	3.8	0.014	0.0000	Pass				
					30	3.8	2.890	0.0017	Pass				
					40	3.8	-2.804	-0.0016	Pass				
					50	3.8	0.486	0.0003	Pass				
					1745	100	0		20	3.4	1.187	0.0007	Pass
										3.8	-0.229	-0.0001	Pass
										4.4	2.532	0.0015	Pass
									-30	3.8	-2.375	-0.0014	Pass
									-20	3.8	-1.302	-0.0007	Pass
-10	3.8	-0.601	-0.0003	Pass									
0	3.8	-1.760	-0.0010	Pass									
10	3.8	1.616	0.0009	Pass									
30	3.8	0.672	0.0004	Pass									
40	3.8	-3.176	-0.0018	Pass									
50	3.8	-0.672	-0.0004	Pass									
64QAM	1720	100	0		20	3.4	-3.519	-0.0020	Pass				
						3.8	0.200	0.0001	Pass				
						4.4	-3.533	-0.0021	Pass				
					-30	3.8	0.229	0.0001	Pass				
					-20	3.8	-4.077	-0.0024	Pass				
					-10	3.8	-2.189	-0.0013	Pass				
					0	3.8	-0.558	-0.0003	Pass				
					10	3.8	-2.904	-0.0017	Pass				
					30	3.8	-3.648	-0.0021	Pass				
					40	3.8	-3.276	-0.0019	Pass				
	50	3.8	-1.845	-0.0011	Pass								
	1732.5	100	0			20	3.4	2.947	0.0017	Pass			
							3.8	1.931	0.0011	Pass			
							4.4	-2.360	-0.0014	Pass			
						-30	3.8	-0.401	-0.0002	Pass			
						-20	3.8	3.419	0.0020	Pass			
						-10	3.8	1.345	0.0008	Pass			
						0	3.8	3.433	0.0020	Pass			
						10	3.8	0.215	0.0001	Pass			
						30	3.8	0.286	0.0002	Pass			
40						3.8	0.730	0.0004	Pass				
50	3.8	5.479	0.0032	Pass									
1745	100	0	20	3.4	-0.787	-0.0005	Pass						



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					3.8	0.615	0.0004	Pass
					4.4	0.958	0.0005	Pass
				-30	3.8	-1.130	-0.0006	Pass
				-20	3.8	-4.063	-0.0023	Pass
				-10	3.8	-2.518	-0.0014	Pass
				0	3.8	0.300	0.0002	Pass
				10	3.8	-0.801	-0.0005	Pass
				30	3.8	-2.718	-0.0016	Pass
				40	3.8	1.187	0.0007	Pass
				50	3.8	-2.689	-0.0015	Pass
256QAM	1720	100	0	20	3.4	-2.675	-0.0016	Pass
					3.8	-4.492	-0.0026	Pass
					4.4	-3.304	-0.0019	Pass
				-30	3.8	0.415	0.0002	Pass
				-20	3.8	-7.796	-0.0045	Pass
				-10	3.8	-0.386	-0.0002	Pass
				0	3.8	-6.194	-0.0036	Pass
				10	3.8	-5.736	-0.0033	Pass
				30	3.8	-2.460	-0.0014	Pass
				40	3.8	-3.147	-0.0018	Pass
	50	3.8	-1.330	-0.0008	Pass			
	1732.5	100	0	20	3.4	-0.844	-0.0005	Pass
					3.8	2.875	0.0017	Pass
					4.4	2.632	0.0015	Pass
				-30	3.8	1.273	0.0007	Pass
				-20	3.8	-1.116	-0.0006	Pass
				-10	3.8	1.860	0.0011	Pass
				0	3.8	0.072	0.0000	Pass
				10	3.8	3.176	0.0018	Pass
				30	3.8	2.317	0.0013	Pass
				40	3.8	0.615	0.0004	Pass
	50	3.8	-1.674	-0.0010	Pass			
	1745	100	0	20	3.4	-3.476	-0.0020	Pass
					3.8	-1.516	-0.0009	Pass
					4.4	-1.860	-0.0011	Pass
				-30	3.8	-1.745	-0.0010	Pass
				-20	3.8	-2.689	-0.0015	Pass
				-10	3.8	-2.103	-0.0012	Pass
				0	3.8	-0.601	-0.0003	Pass
				10	3.8	3.834	0.0022	Pass
30				3.8	5.064	0.0029	Pass	
40				3.8	7.024	0.0040	Pass	
50	3.8	-0.100	-0.0001	Pass				



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3. 99% & 26dB Bandwidth

3.1 Band4_OBW

3.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.107	/	Pass
		1732.5	6	0	1.109	/	Pass
		1754.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.103	/	Pass
		1754.3	6	0	1.109	/	Pass
	64QAM	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.115	/	Pass
	256QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.732	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.730	/	Pass
	16QAM	1711.5	15	0	2.730	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.730	/	Pass
	64QAM	1711.5	15	0	2.744	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.735	/	Pass
	256QAM	1711.5	15	0	2.736	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.734	/	Pass
5	QPSK	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.548	/	Pass
		1752.5	25	0	4.556	/	Pass
	16QAM	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.540	/	Pass
		1752.5	25	0	4.530	/	Pass
	64QAM	1712.5	25	0	4.531	/	Pass
		1732.5	25	0	4.552	/	Pass
		1752.5	25	0	4.544	/	Pass
	256QAM	1712.5	25	0	4.564	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.556	/	Pass
10	QPSK	1715	50	0	9.046	/	Pass
		1732.5	50	0	9.042	/	Pass
		1750	50	0	9.033	/	Pass



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	16QAM	1715	50	0	9.042	/	Pass
		1732.5	50	0	9.031	/	Pass
		1750	50	0	9.038	/	Pass
	64QAM	1715	50	0	9.047	/	Pass
		1732.5	50	0	9.041	/	Pass
		1750	50	0	9.048	/	Pass
	256QAM	1715	50	0	9.046	/	Pass
		1732.5	50	0	9.067	/	Pass
		1750	50	0	9.045	/	Pass
15	QPSK	1717.5	75	0	13.574	/	Pass
		1732.5	75	0	13.556	/	Pass
		1747.5	75	0	13.599	/	Pass
	16QAM	1717.5	75	0	13.569	/	Pass
		1732.5	75	0	13.580	/	Pass
		1747.5	75	0	13.587	/	Pass
	64QAM	1717.5	75	0	13.578	/	Pass
		1732.5	75	0	13.575	/	Pass
		1747.5	75	0	13.603	/	Pass
	256QAM	1717.5	75	0	13.577	/	Pass
		1732.5	75	0	13.581	/	Pass
		1747.5	75	0	13.623	/	Pass
20	QPSK	1720	100	0	18.122	/	Pass
		1732.5	100	0	18.125	/	Pass
		1745	100	0	18.147	/	Pass
	16QAM	1720	100	0	18.050	/	Pass
		1732.5	100	0	18.080	/	Pass
		1745	100	0	18.109	/	Pass
	64QAM	1720	100	0	18.060	/	Pass
		1732.5	100	0	18.117	/	Pass
		1745	100	0	18.147	/	Pass
	256QAM	1720	100	0	18.087	/	Pass
		1732.5	100	0	18.088	/	Pass
		1745	100	0	18.060	/	Pass



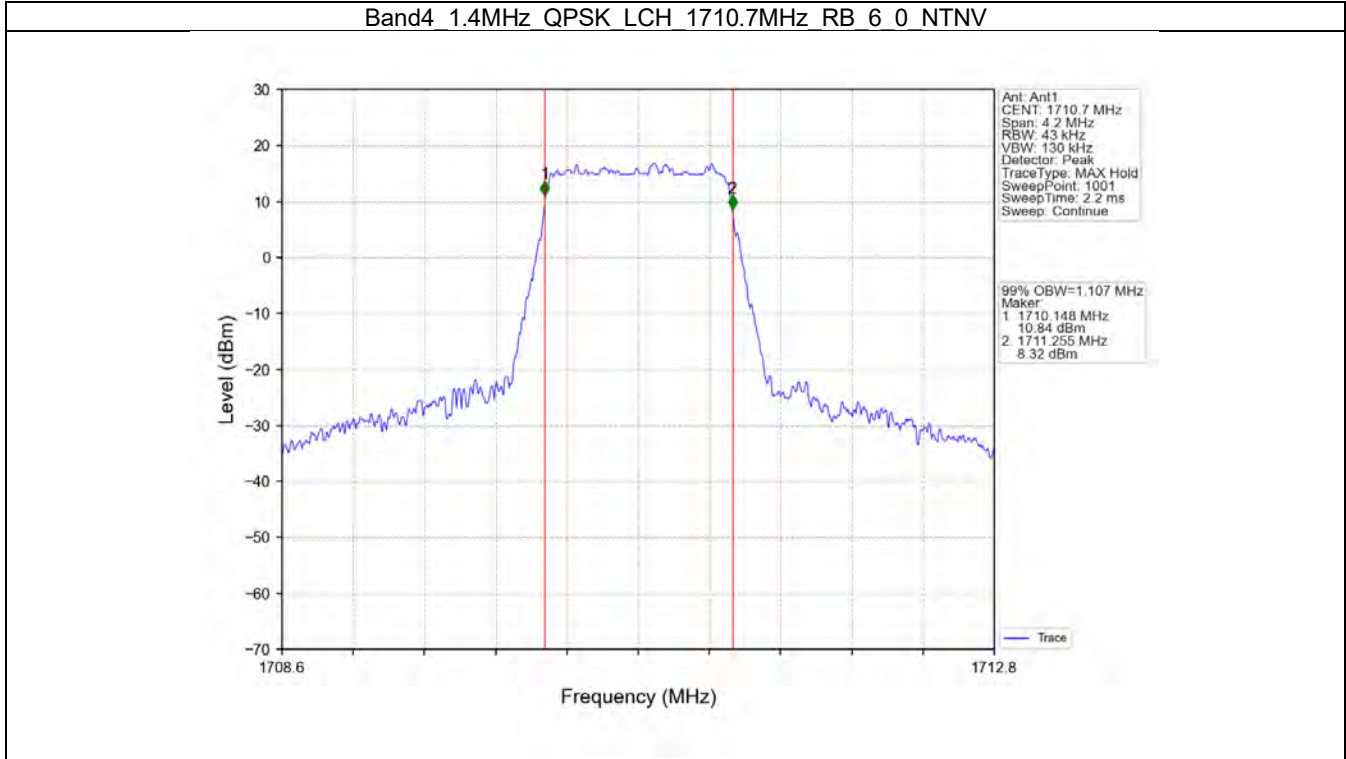
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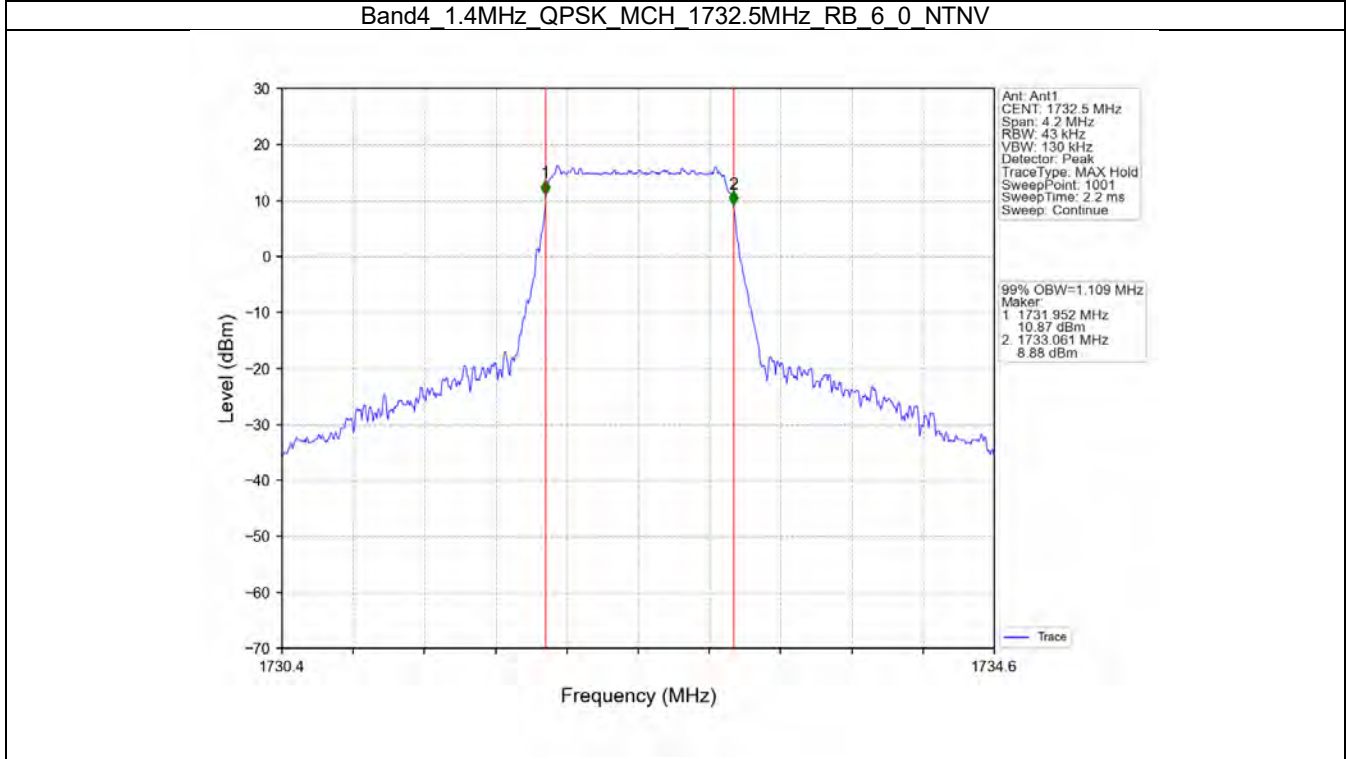
3.1.2 Test Graph



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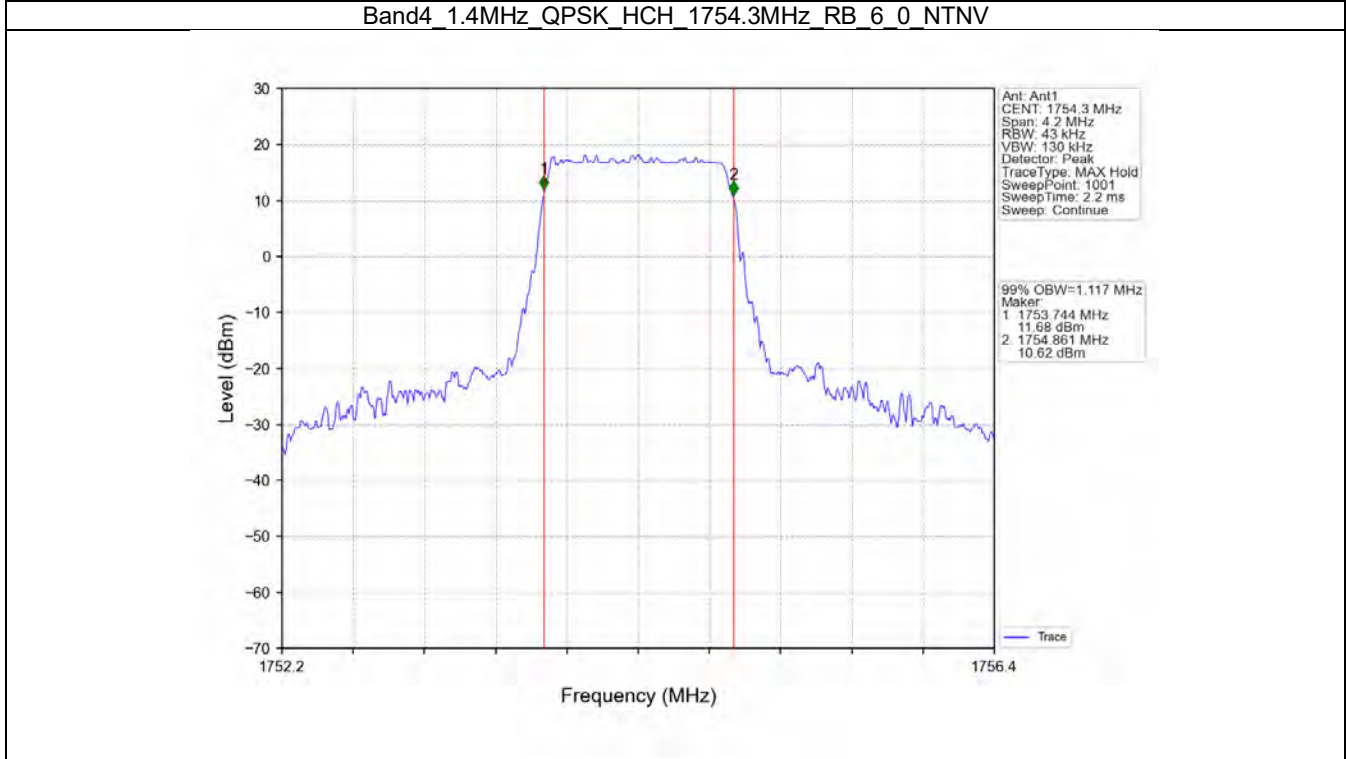
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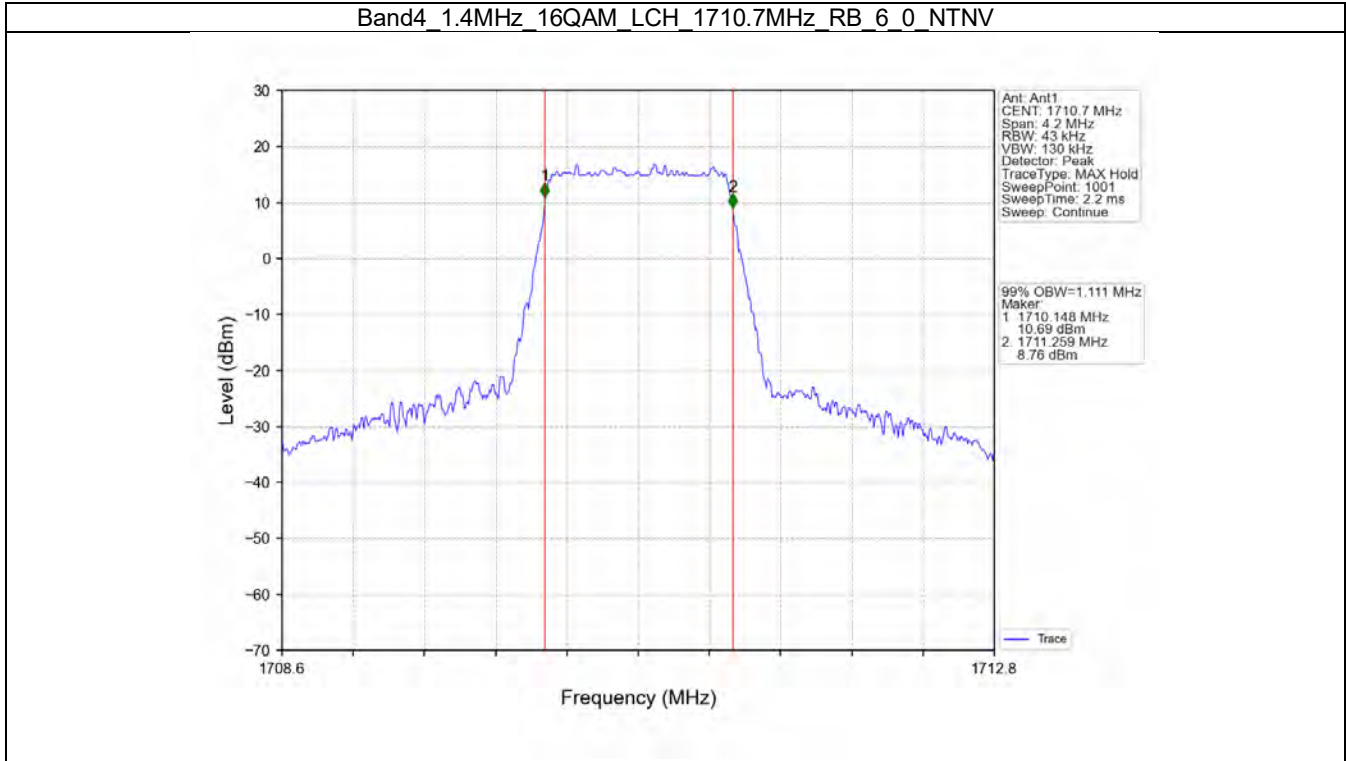
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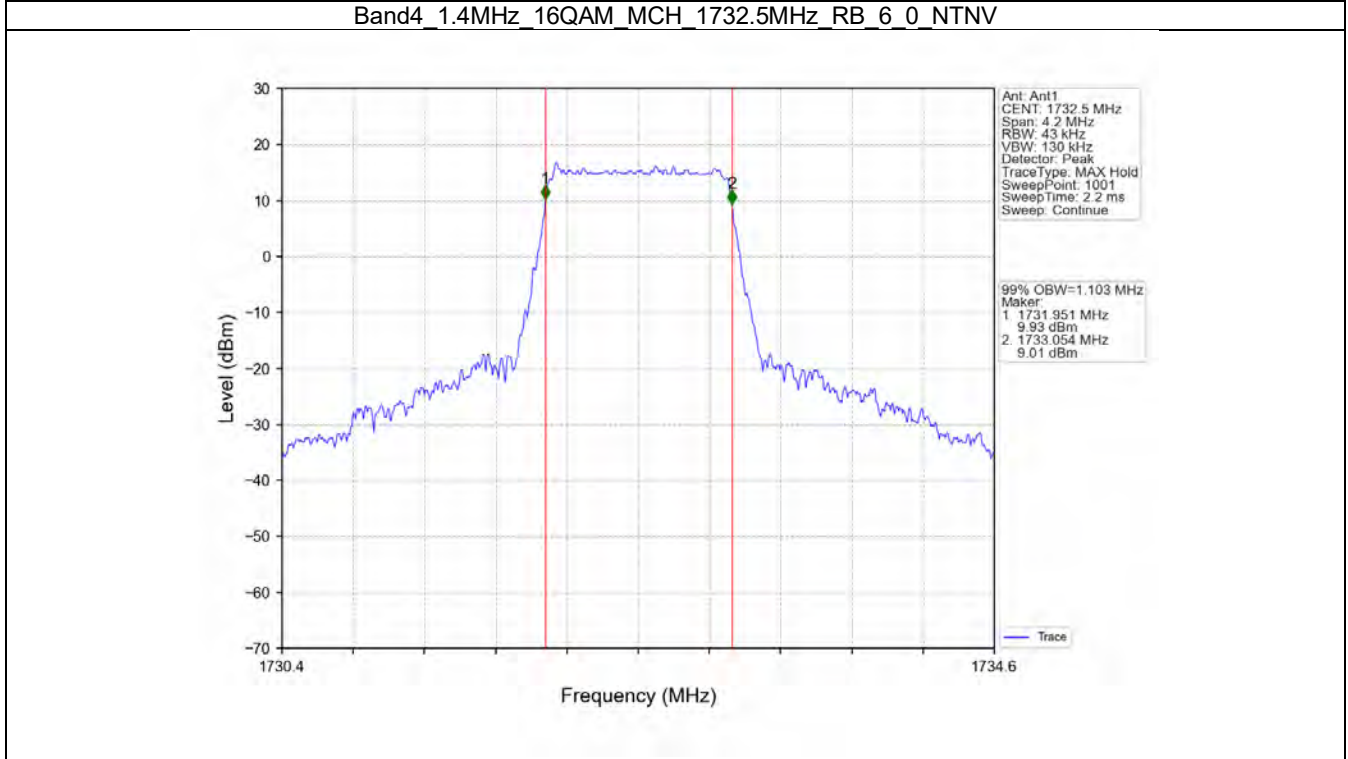
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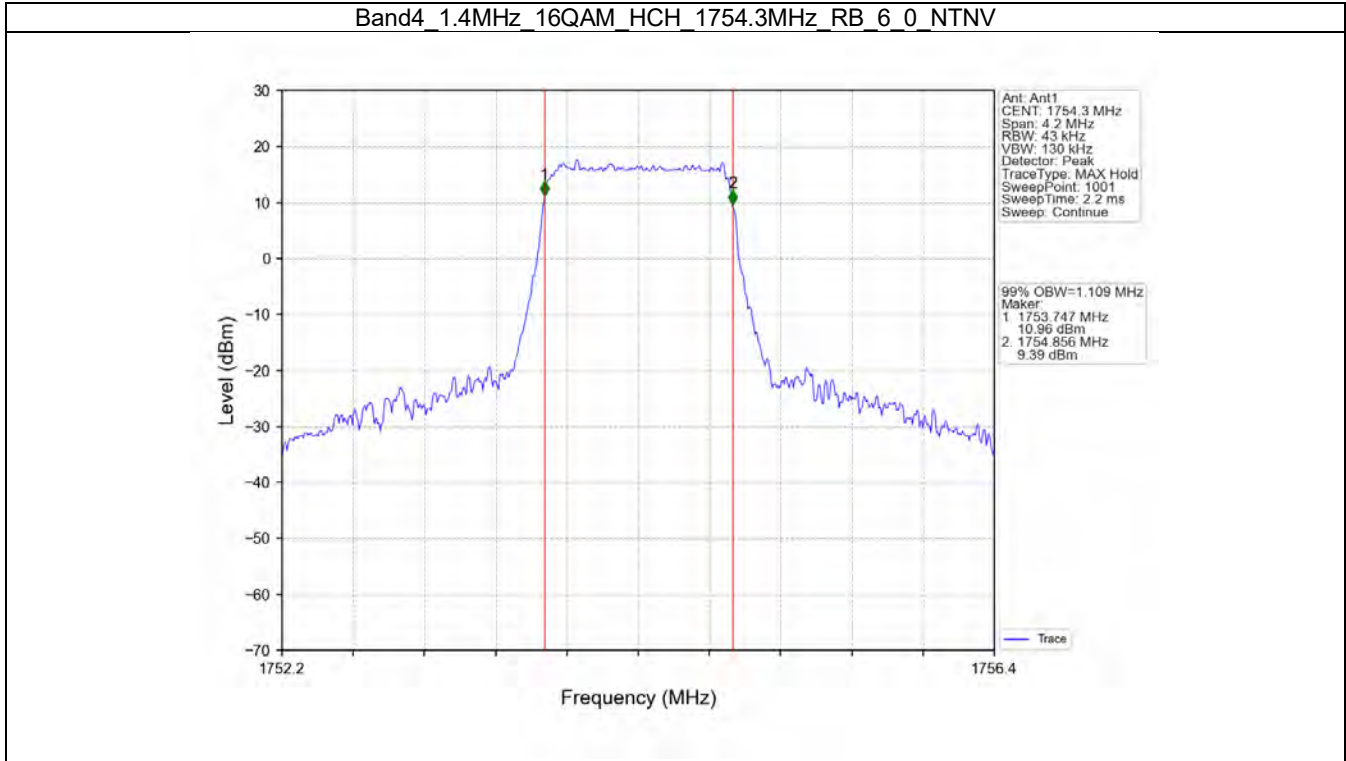
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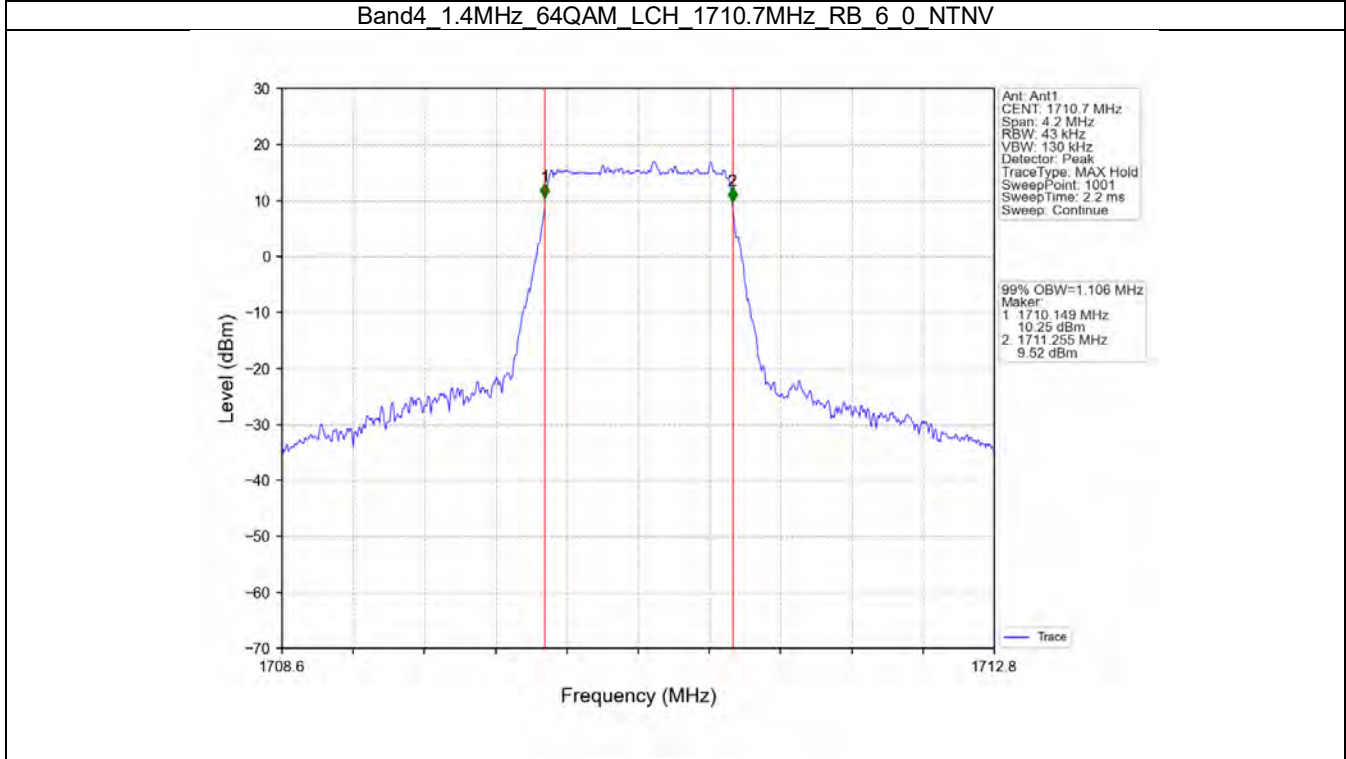
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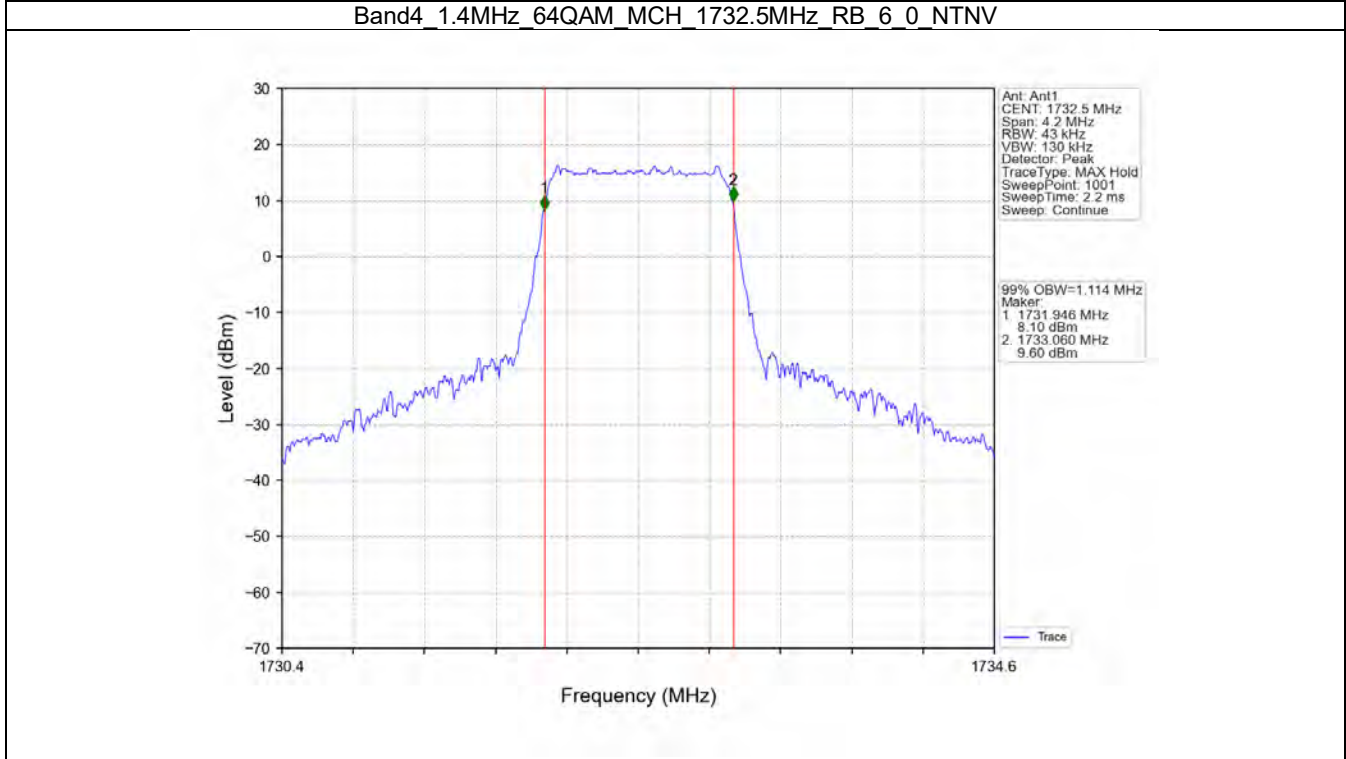
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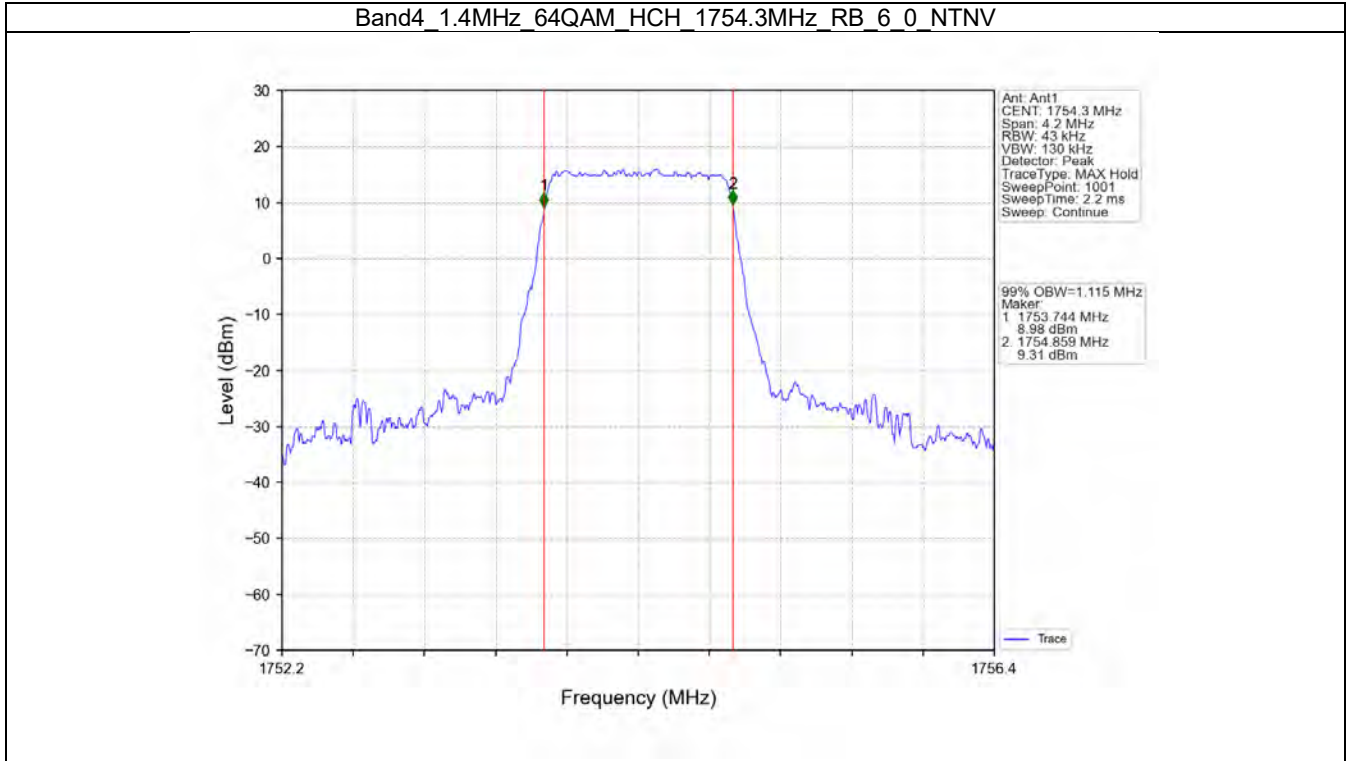
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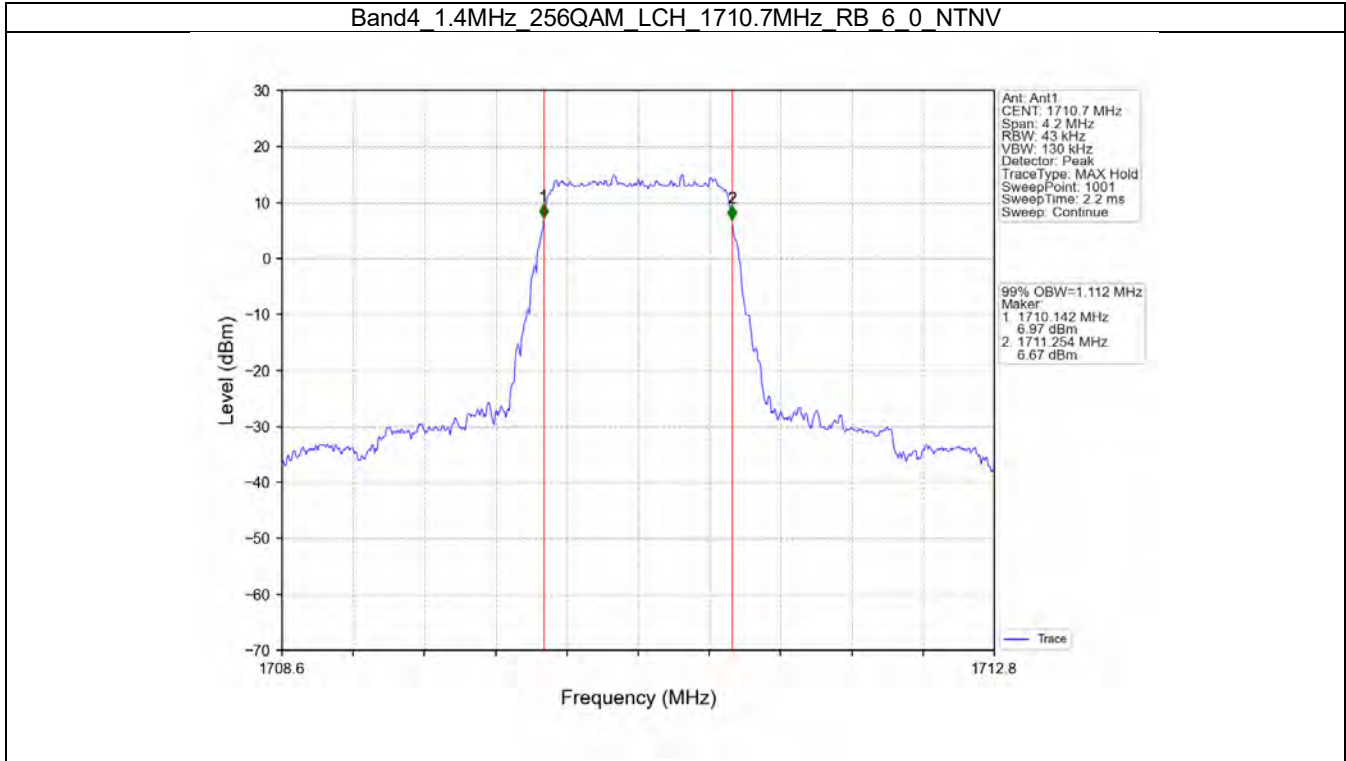
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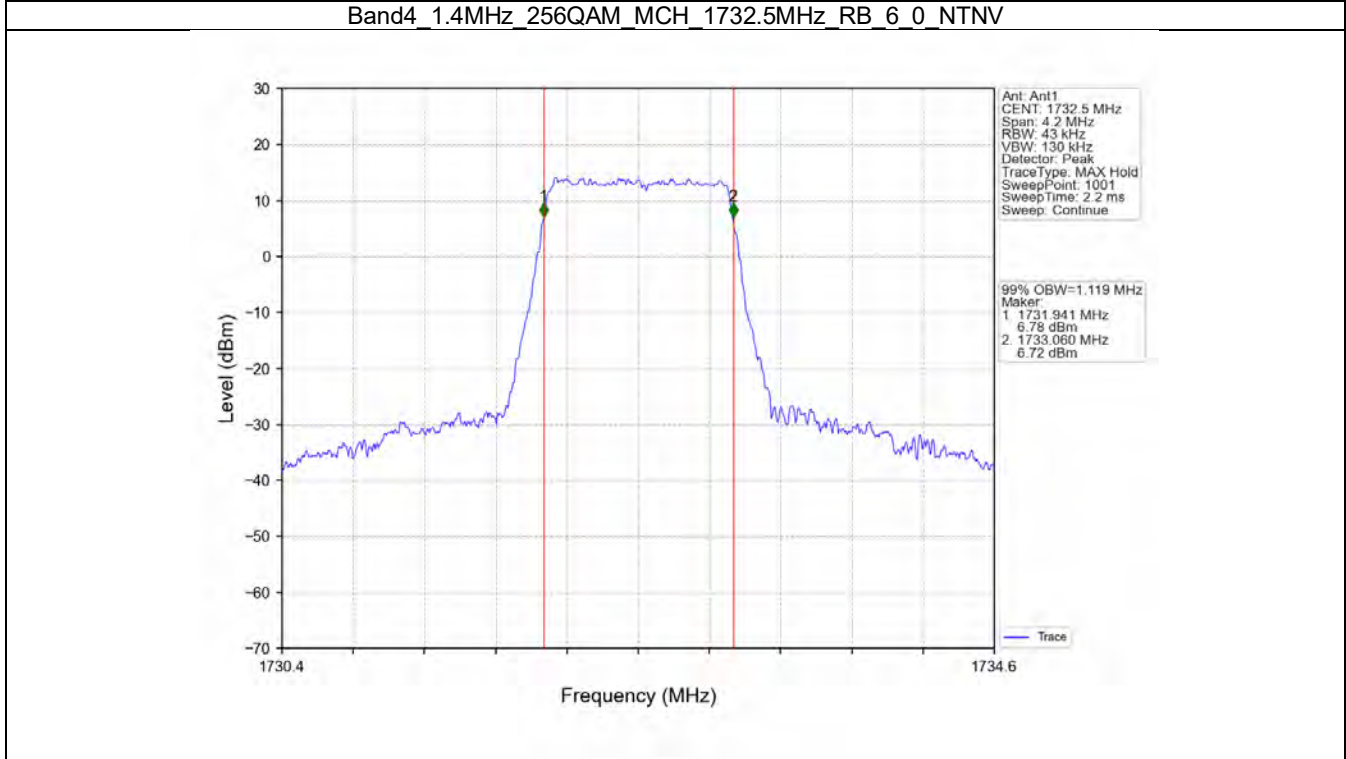
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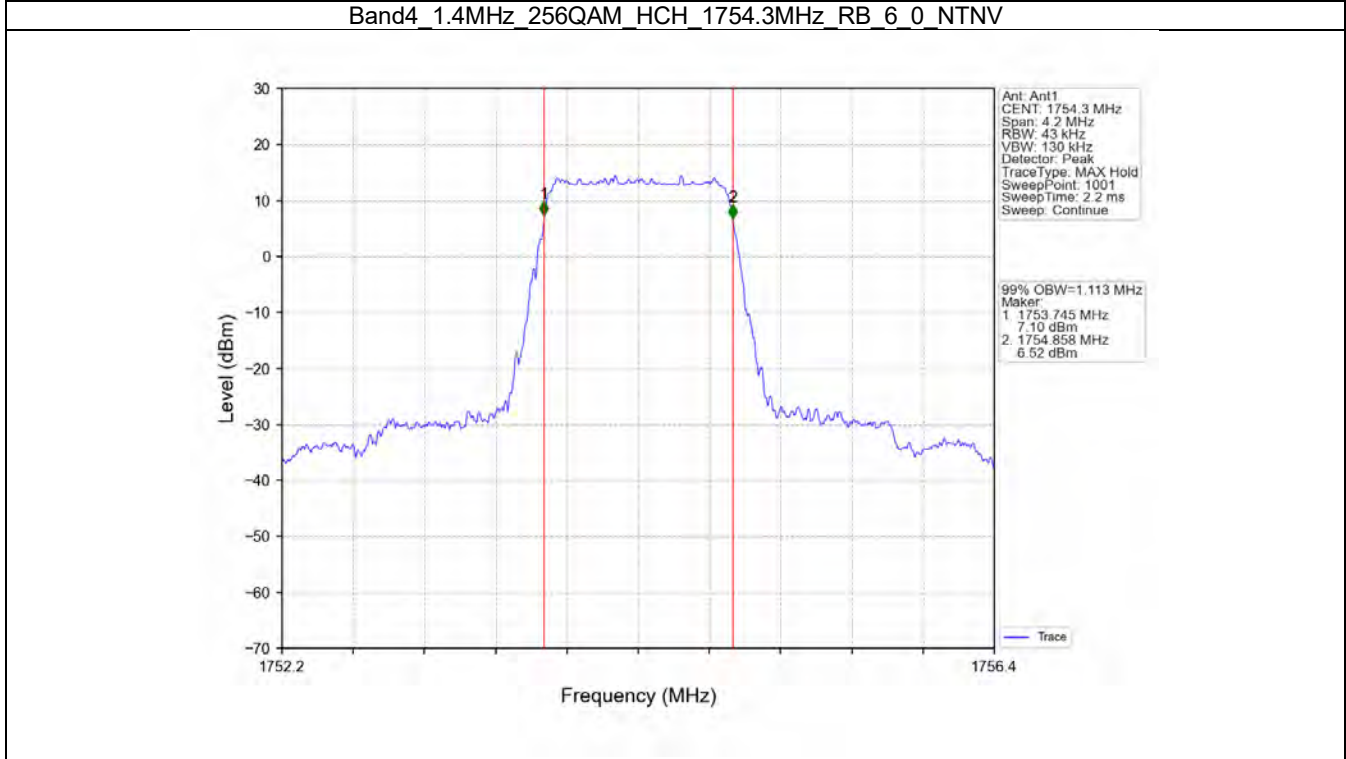
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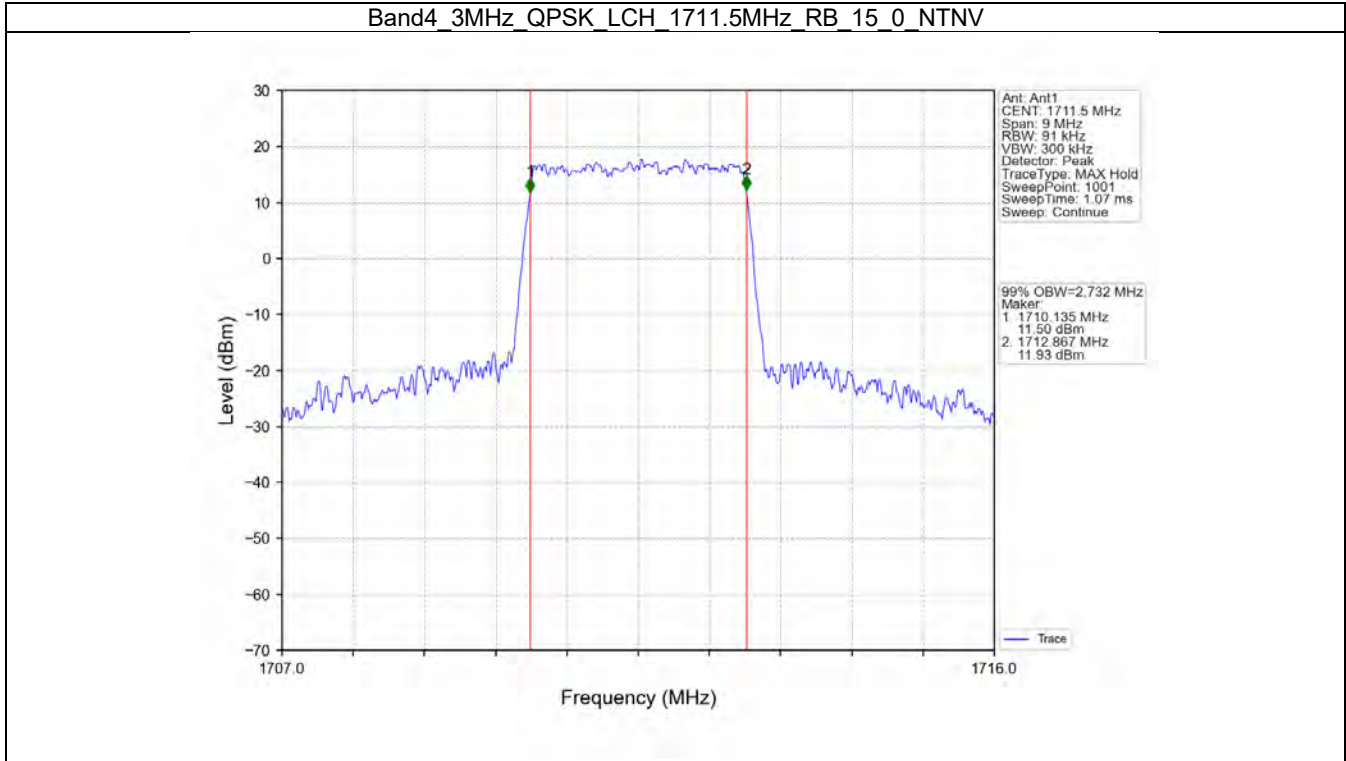


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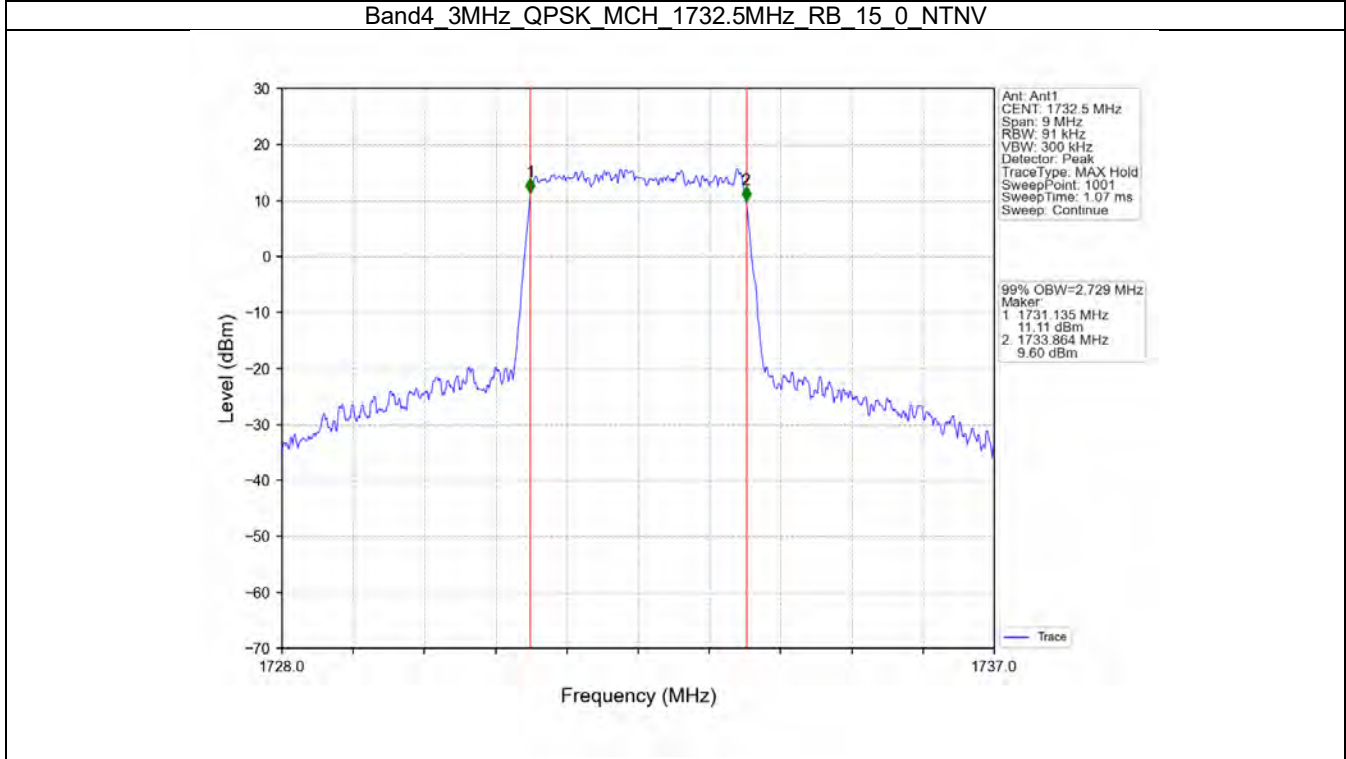
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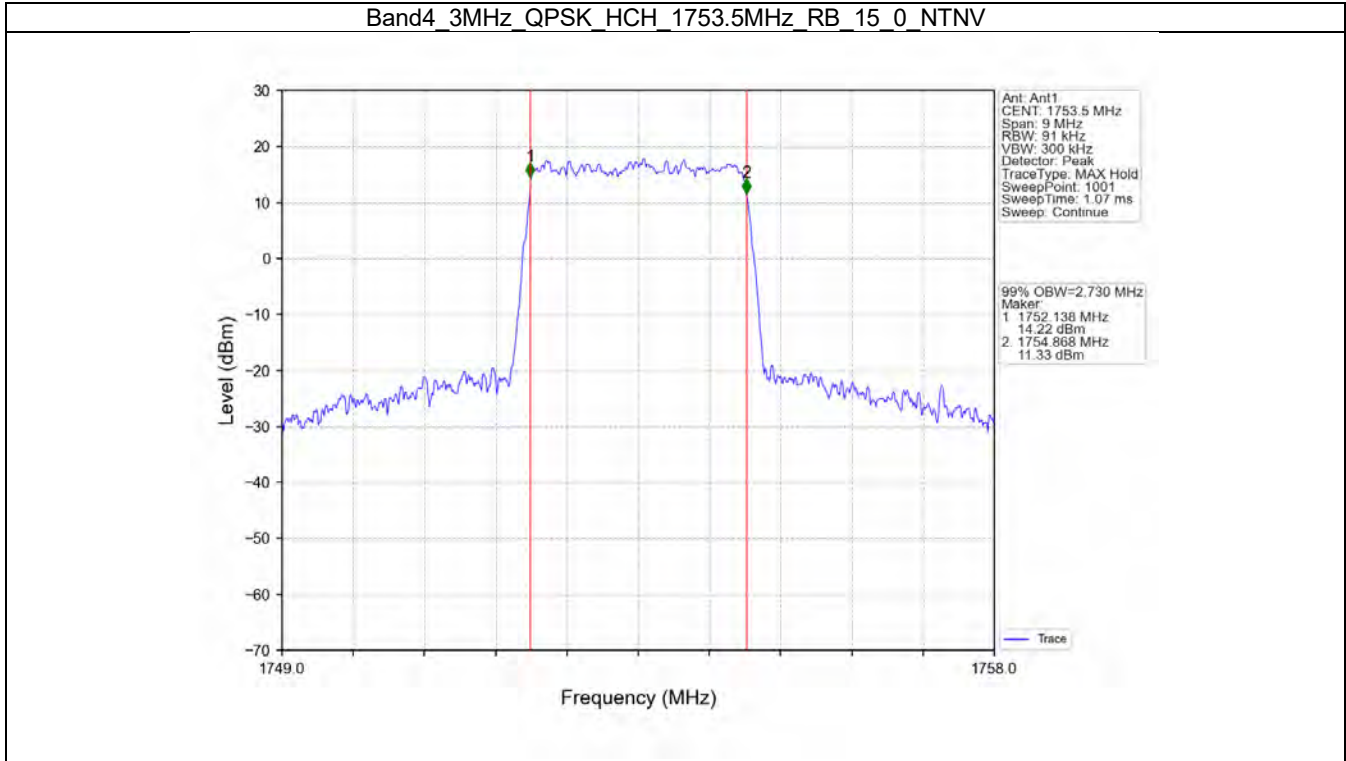
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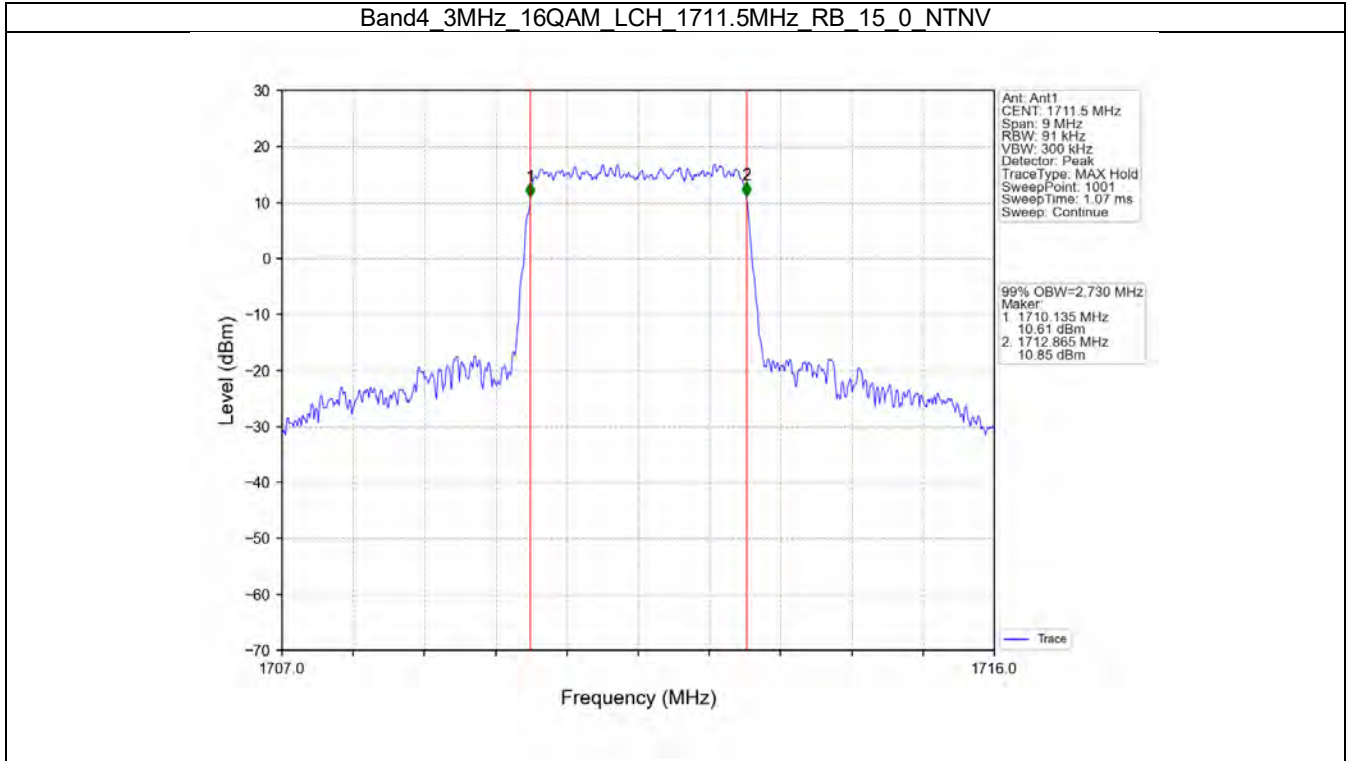
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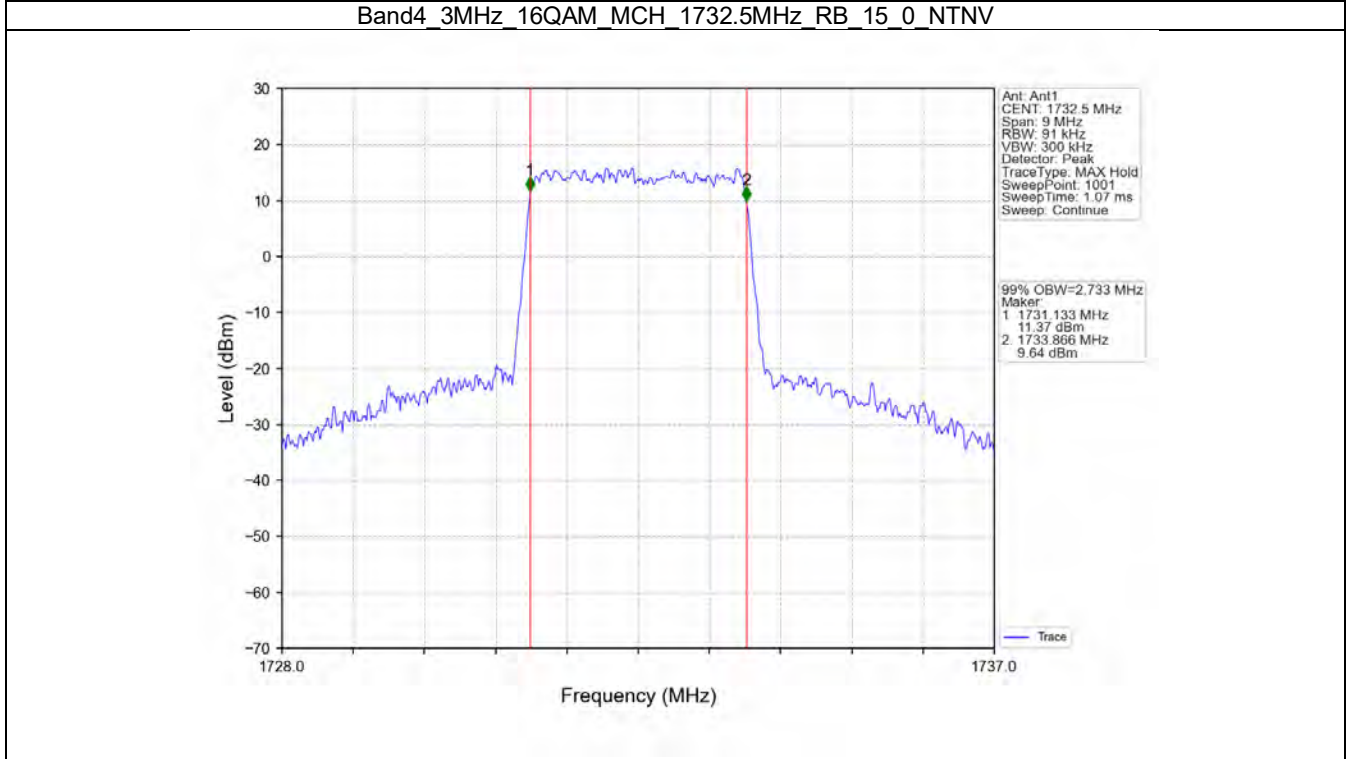
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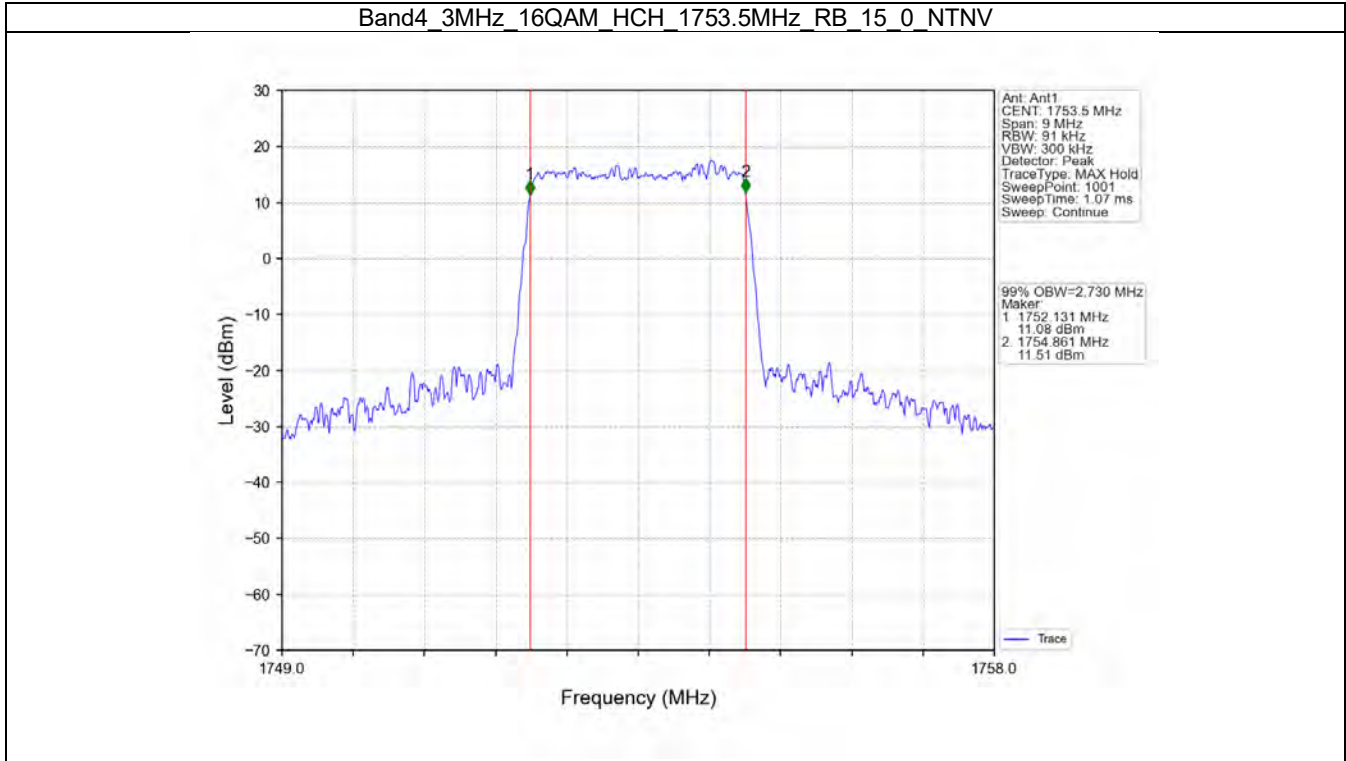
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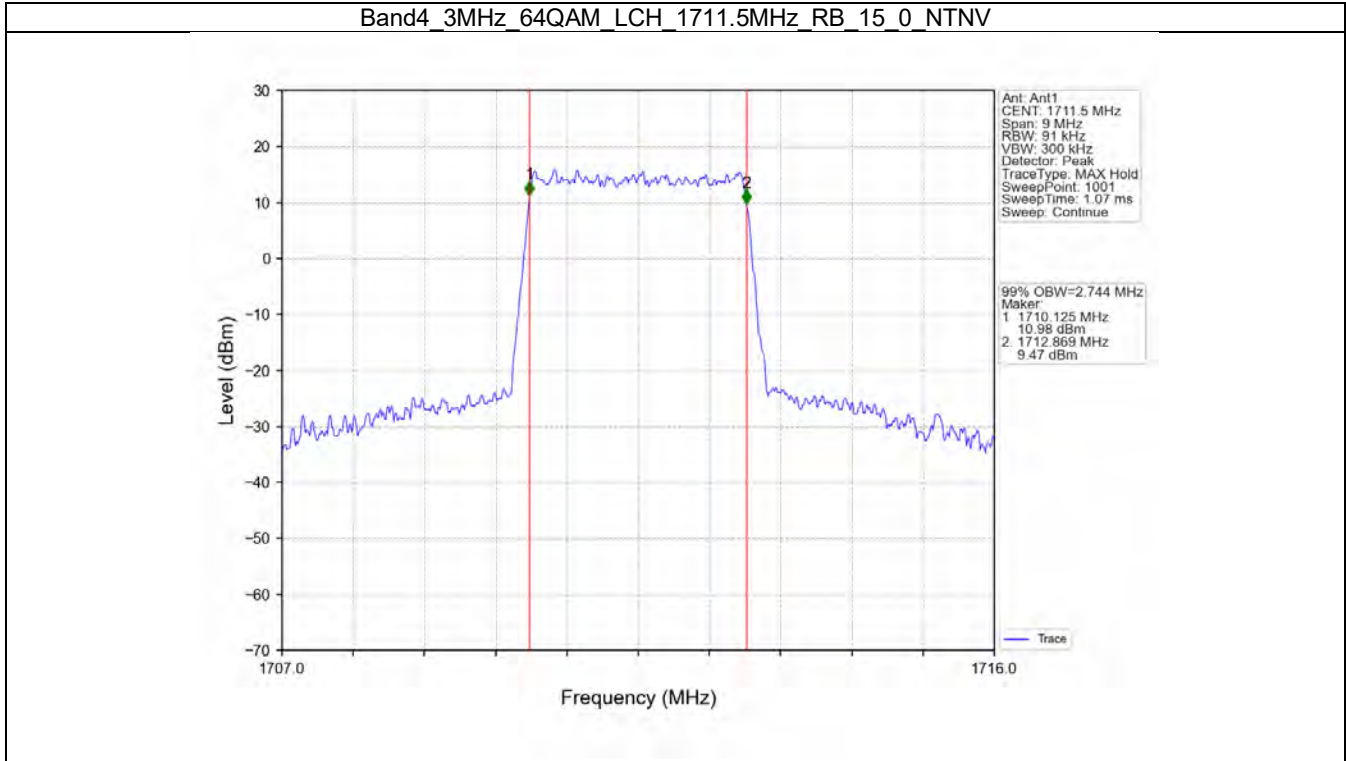
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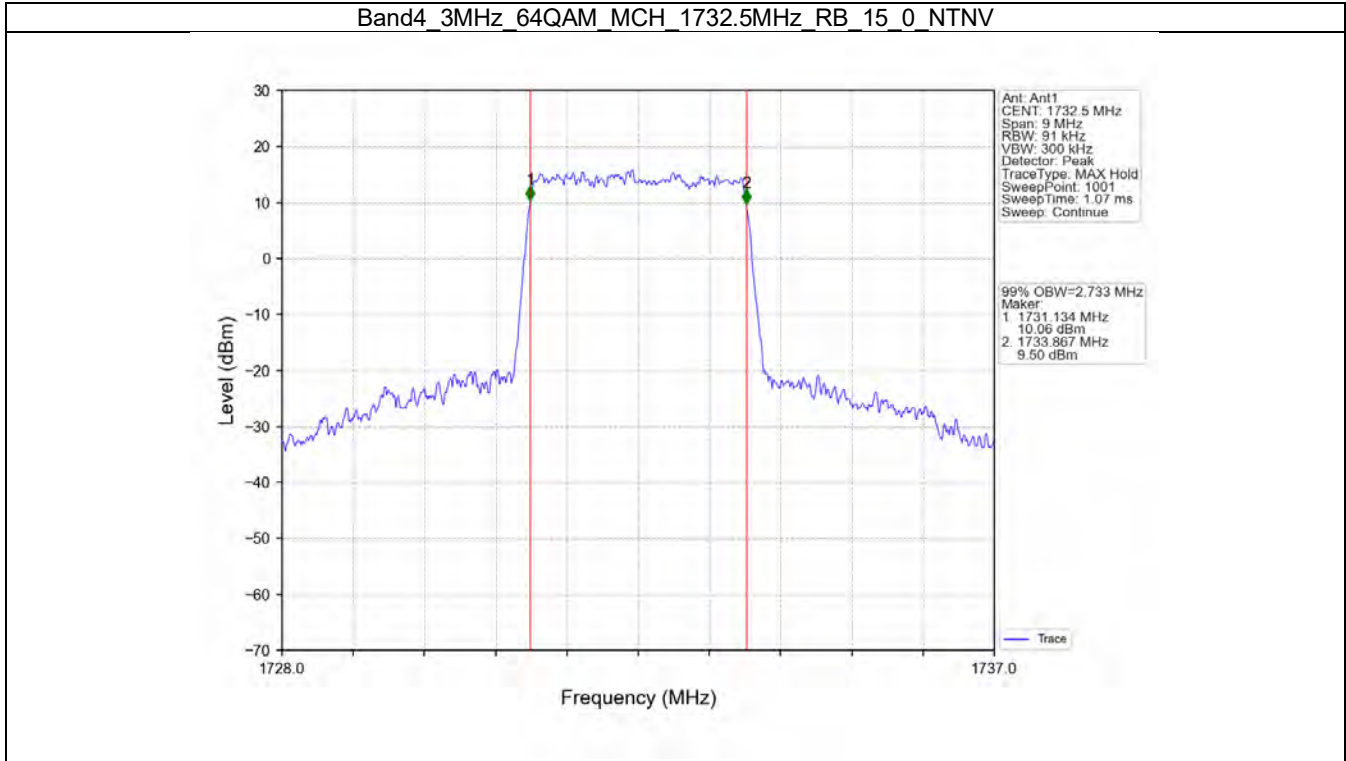
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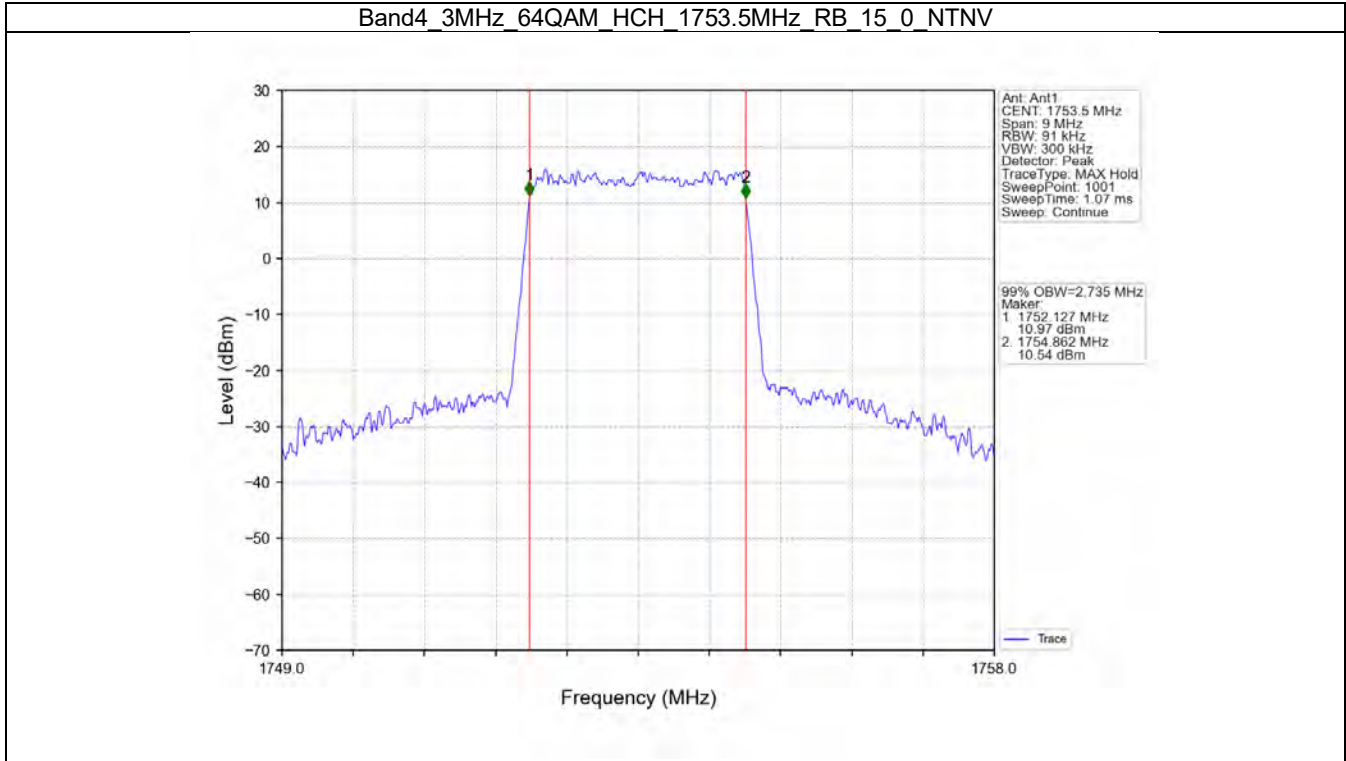
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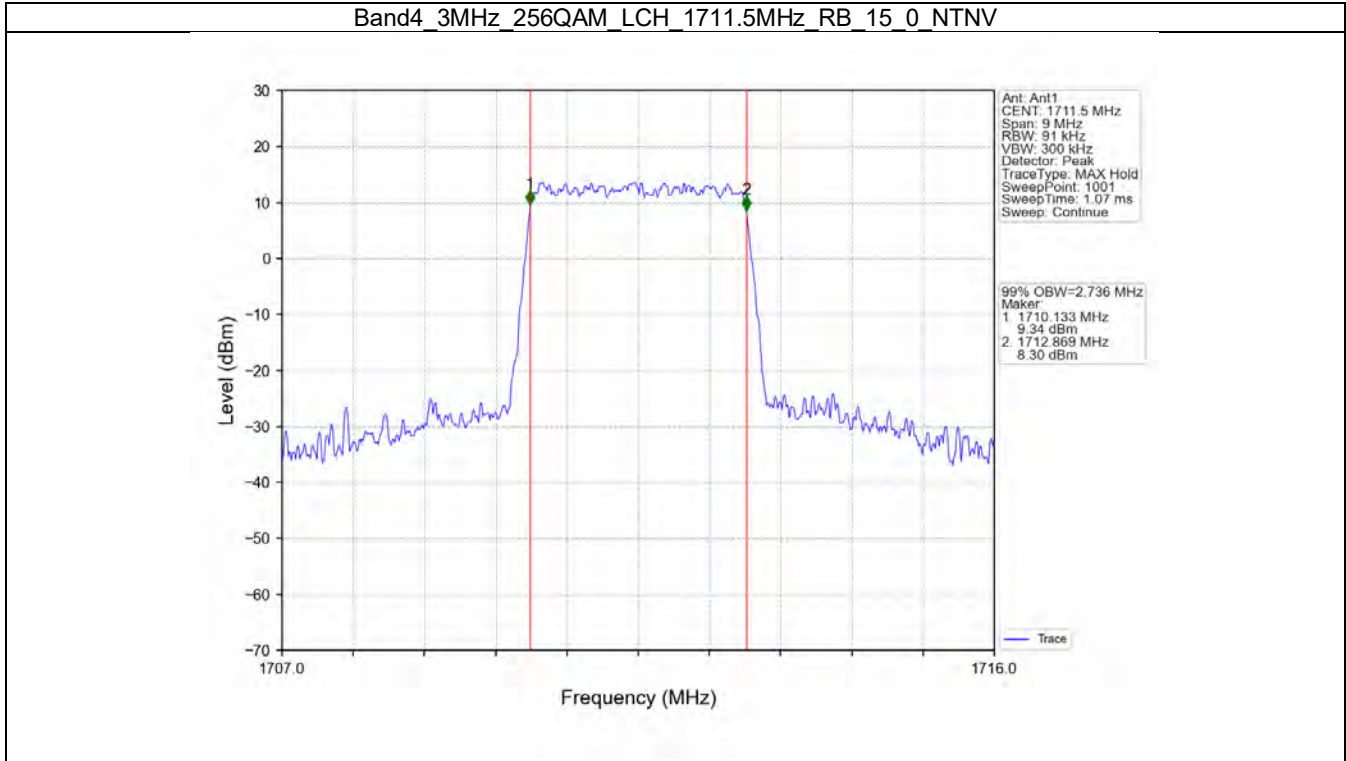
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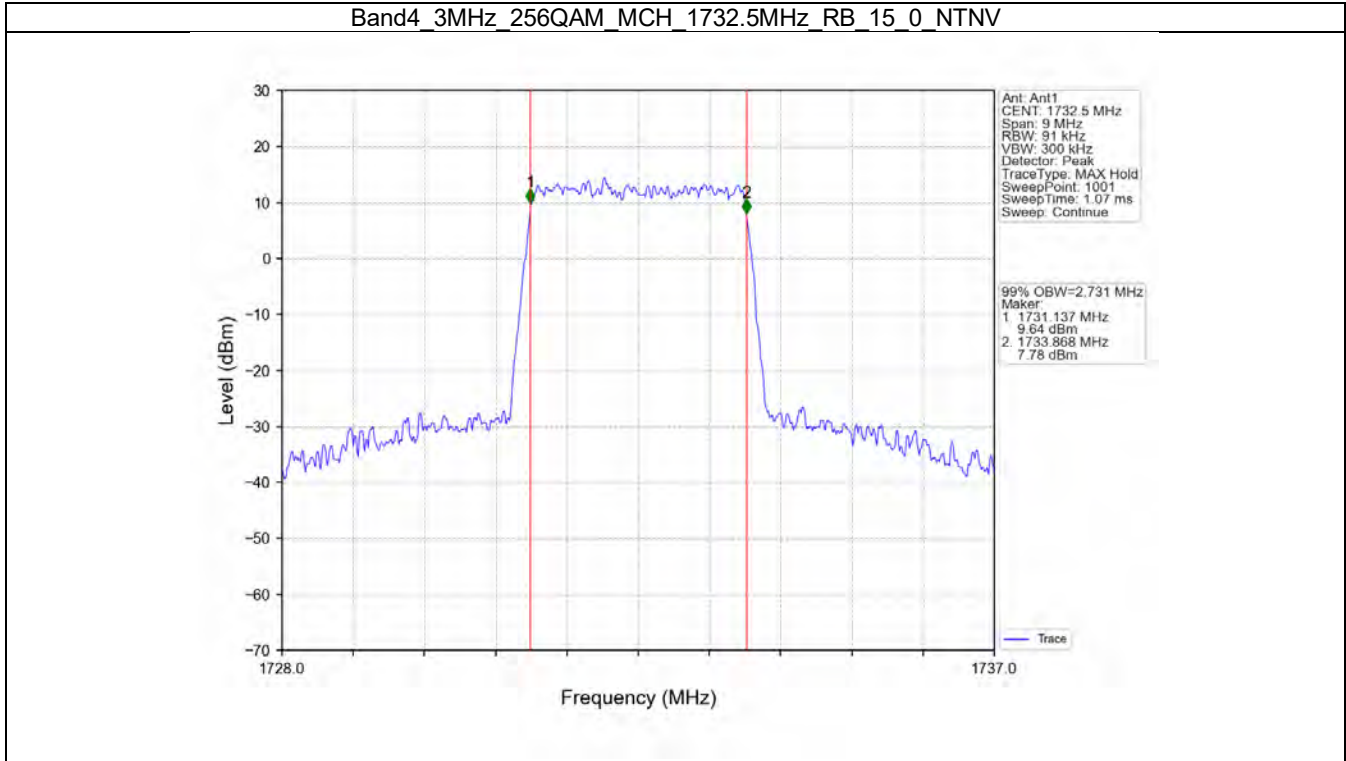
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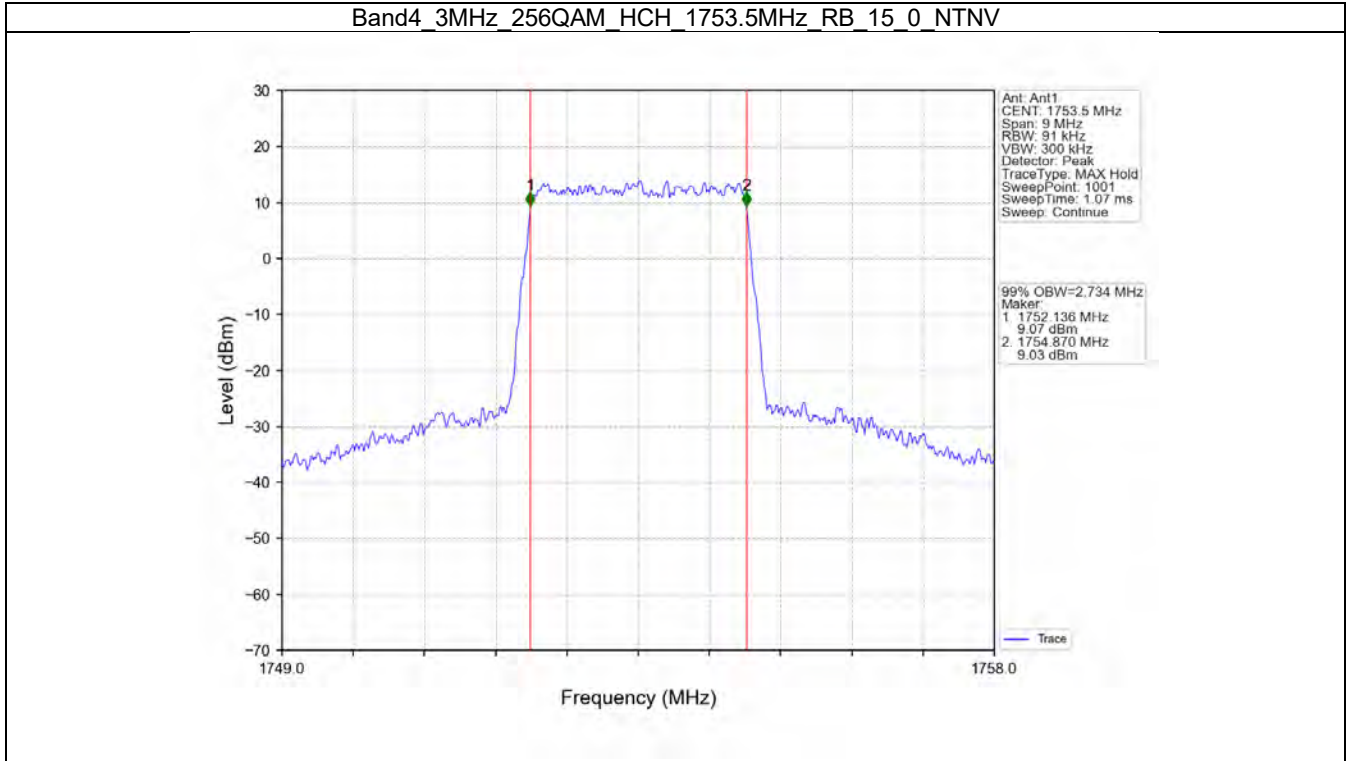
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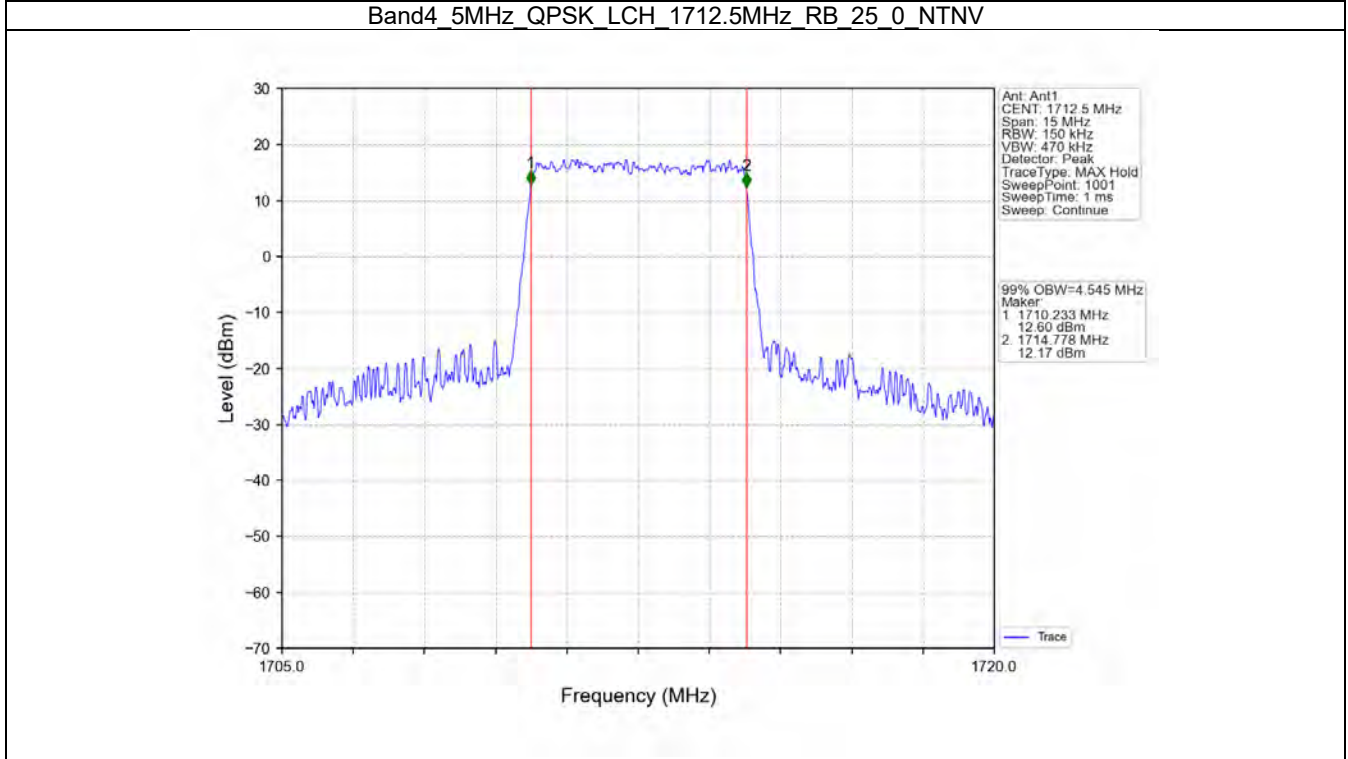
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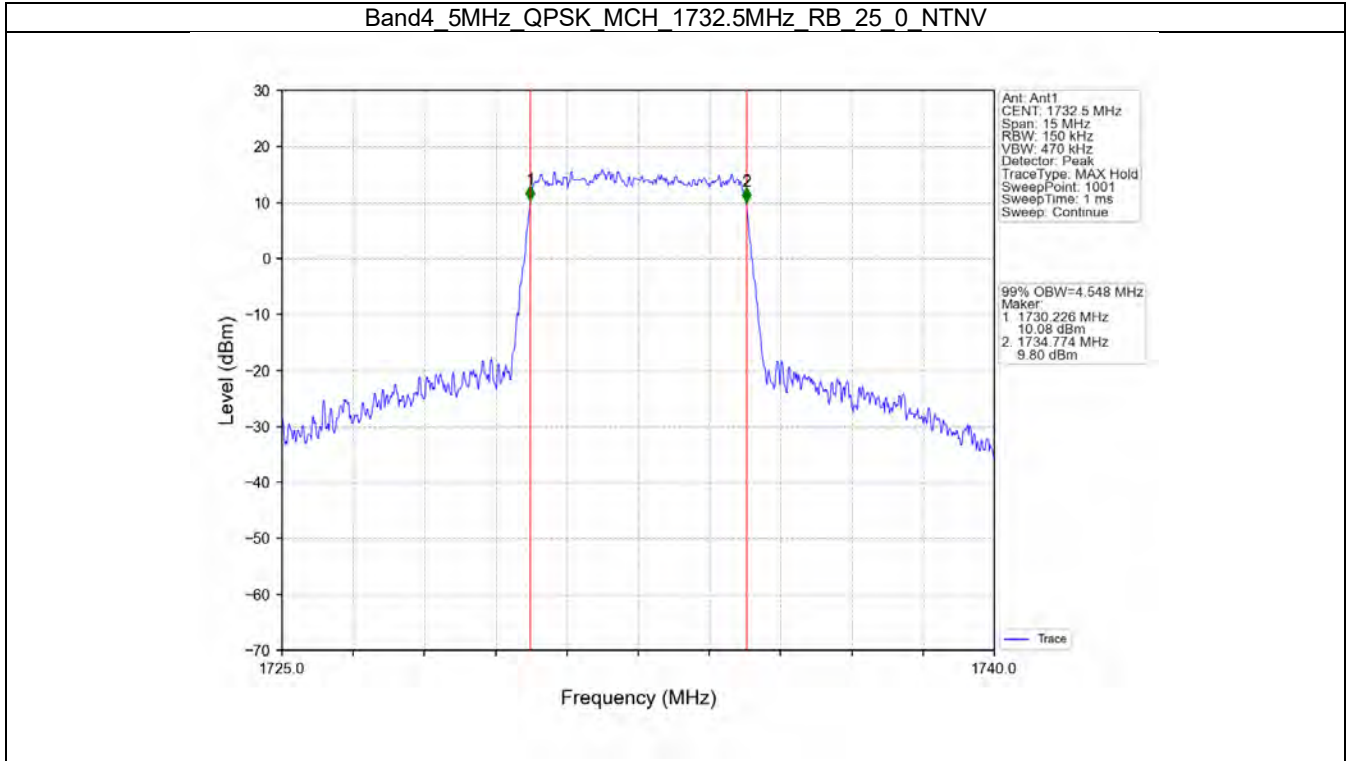


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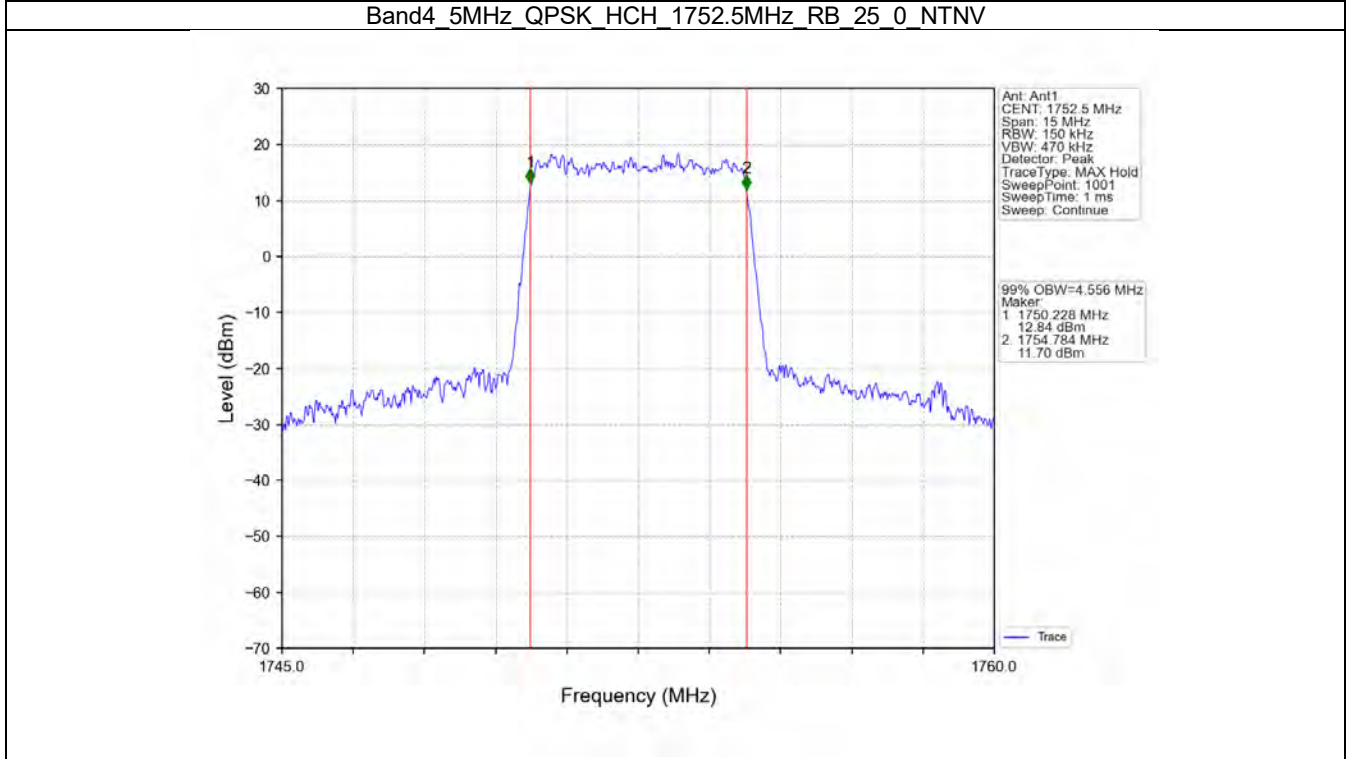
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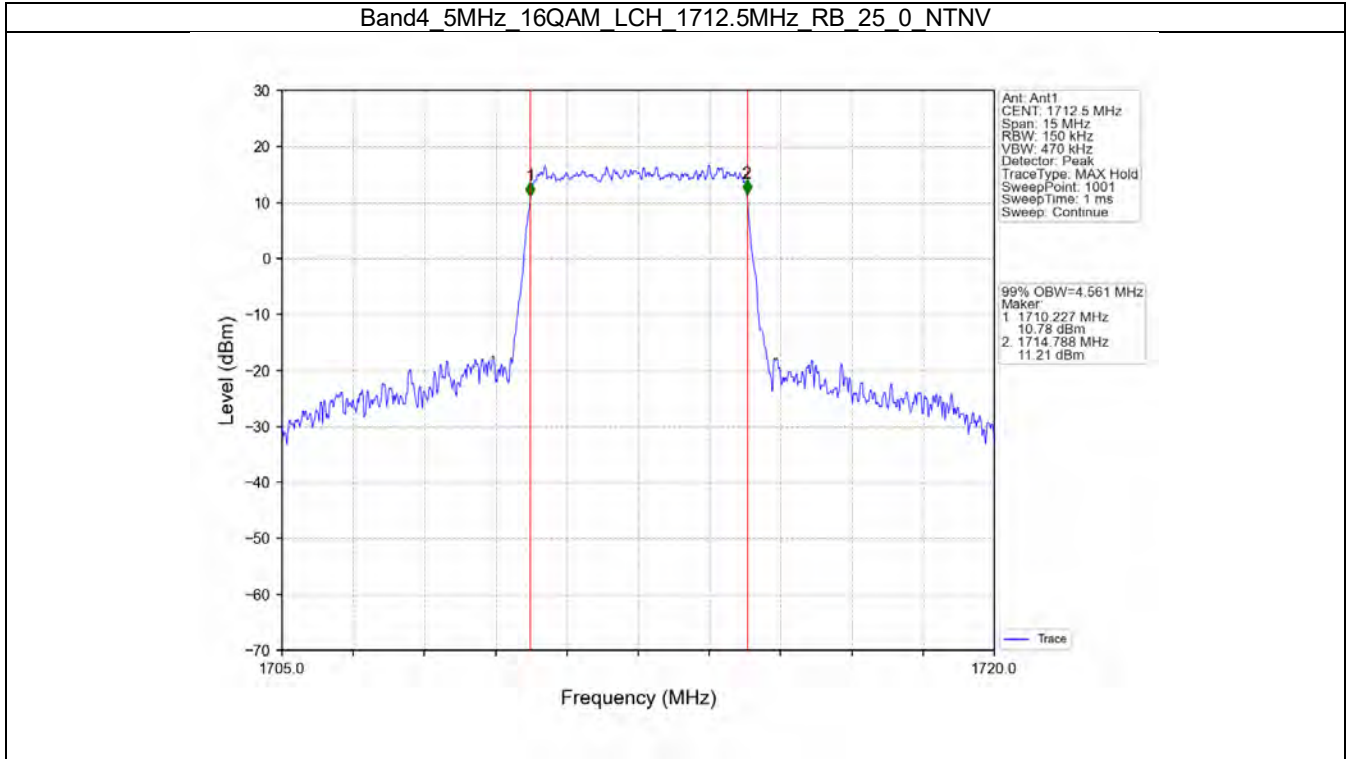
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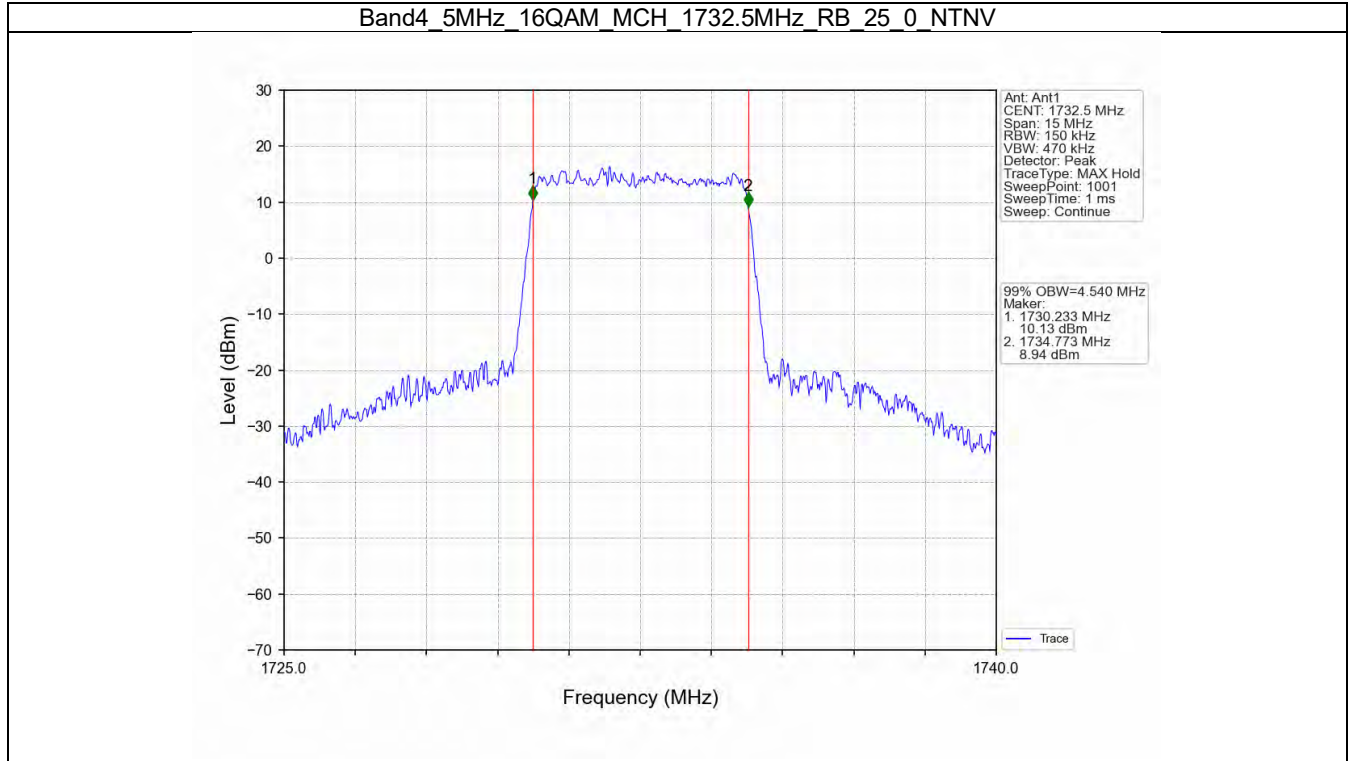
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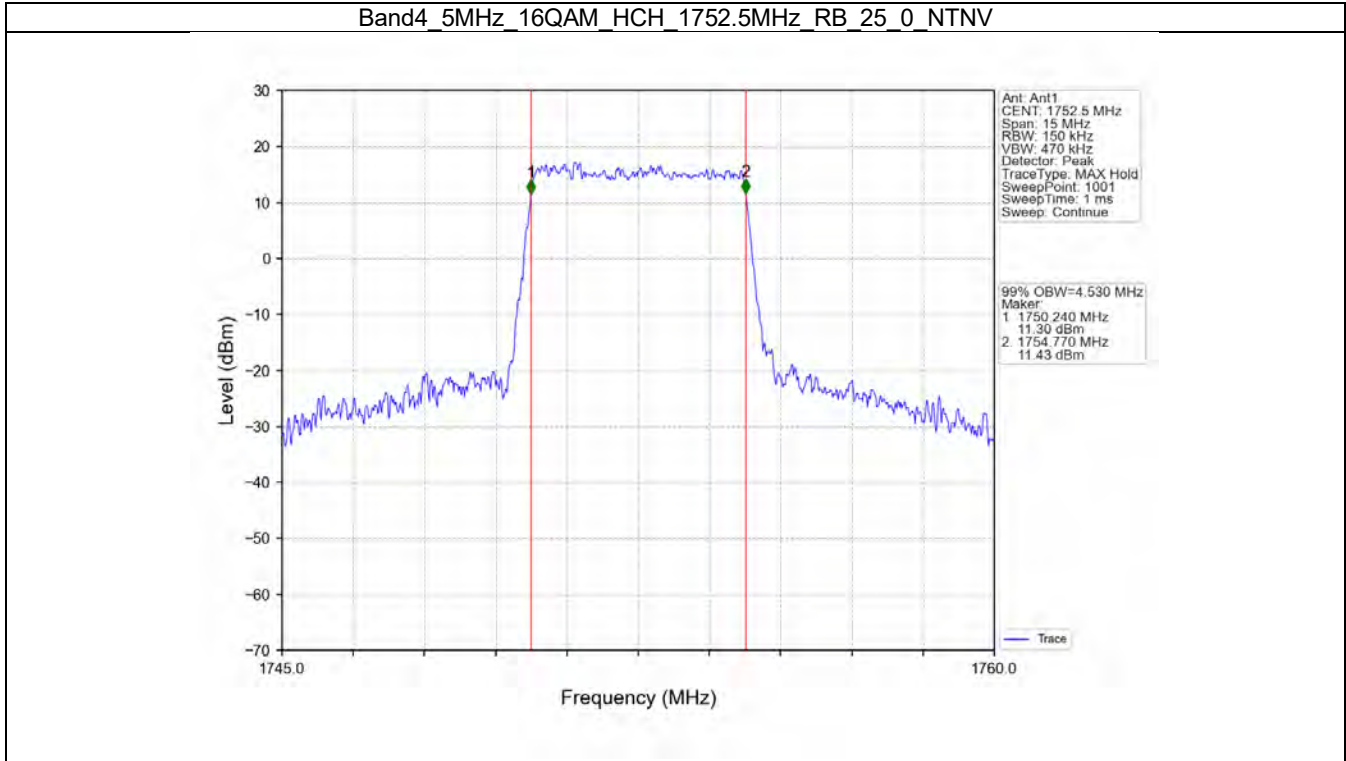
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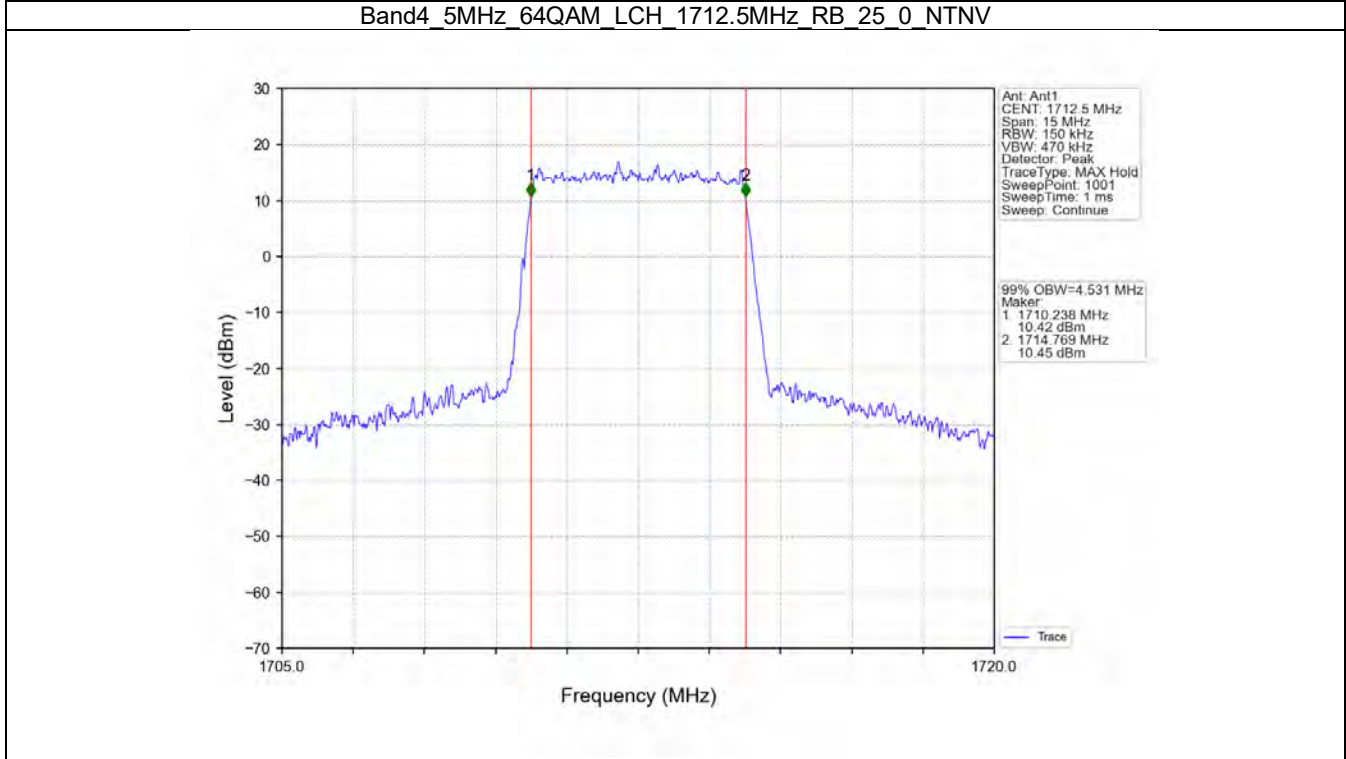
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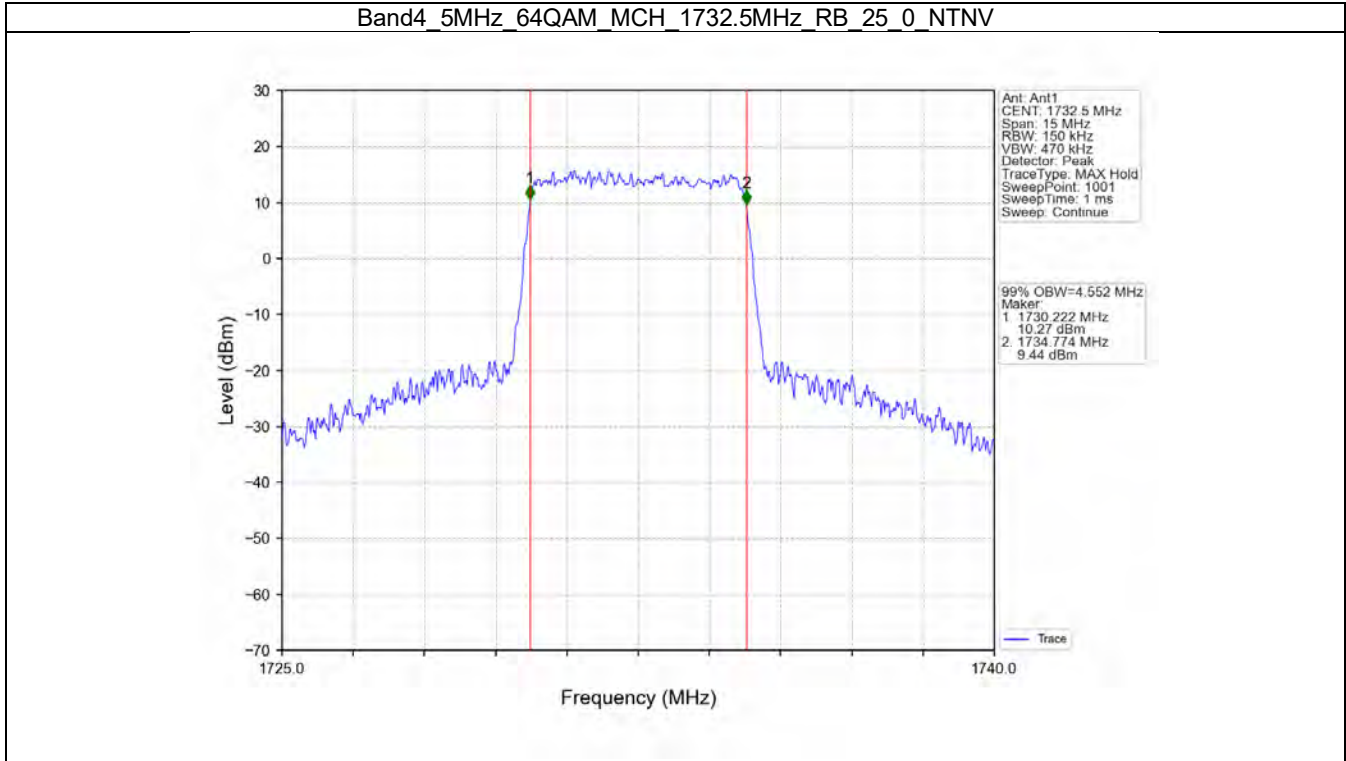
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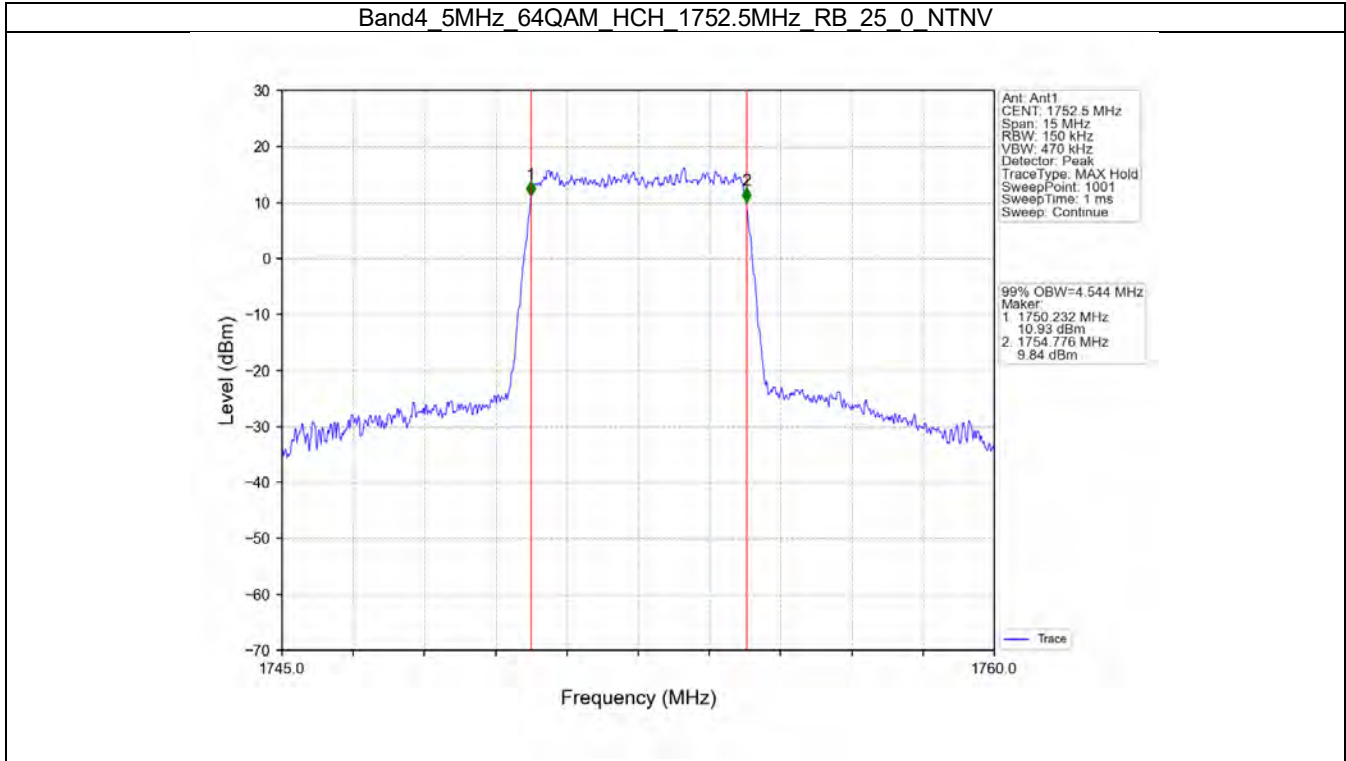


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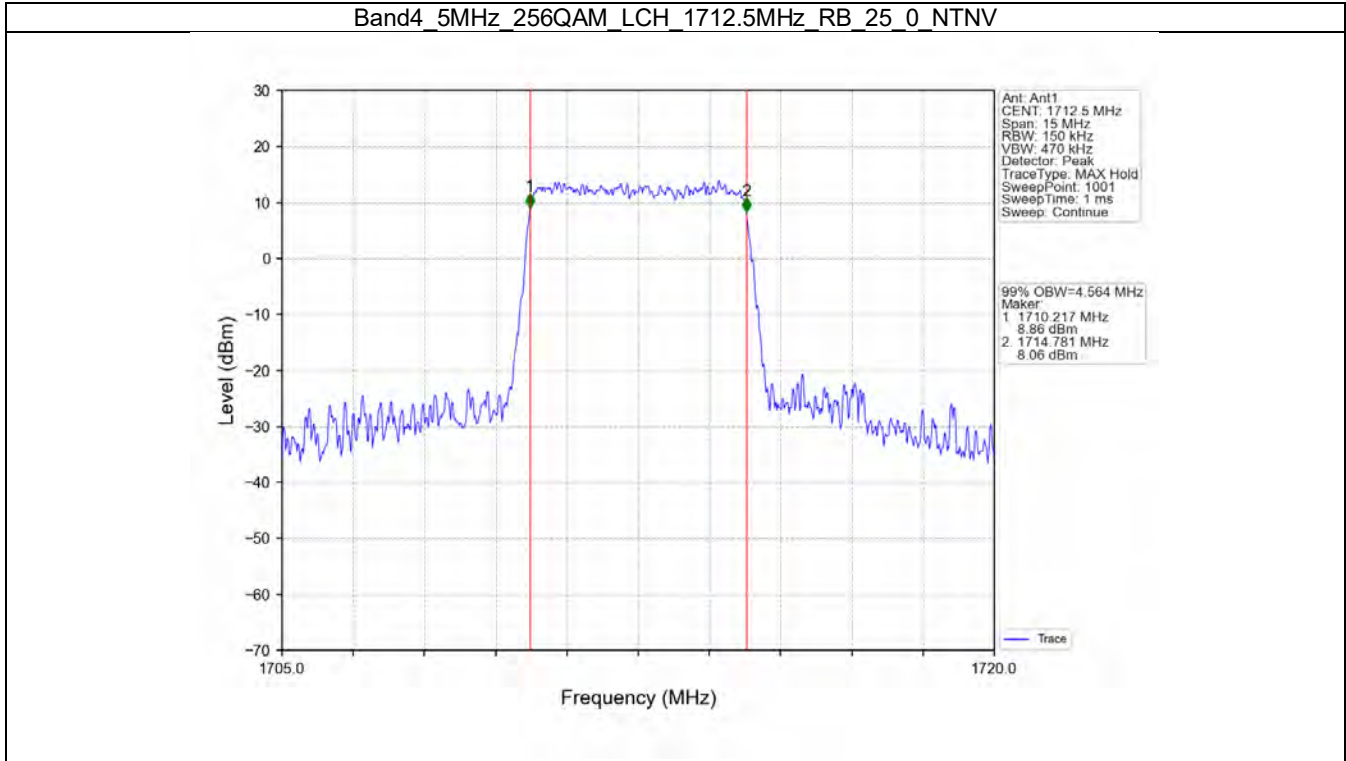
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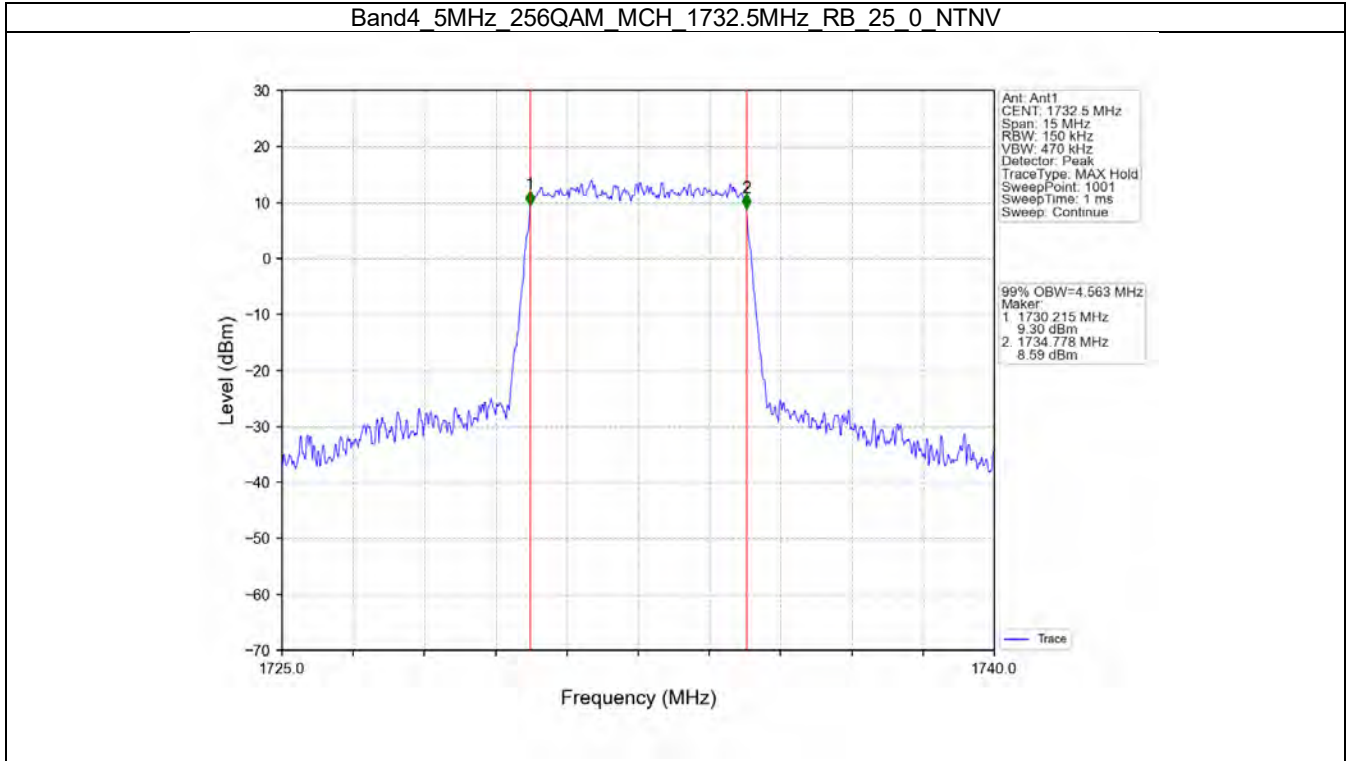
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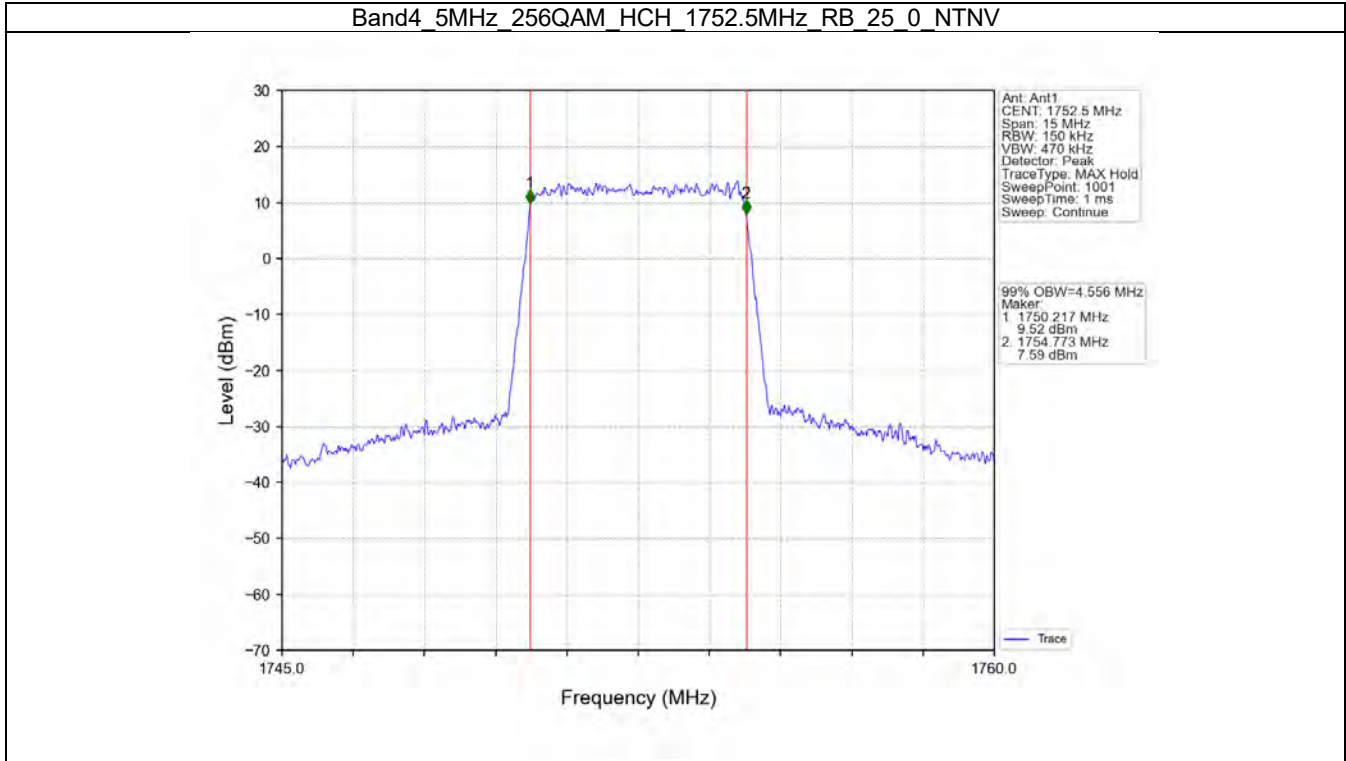
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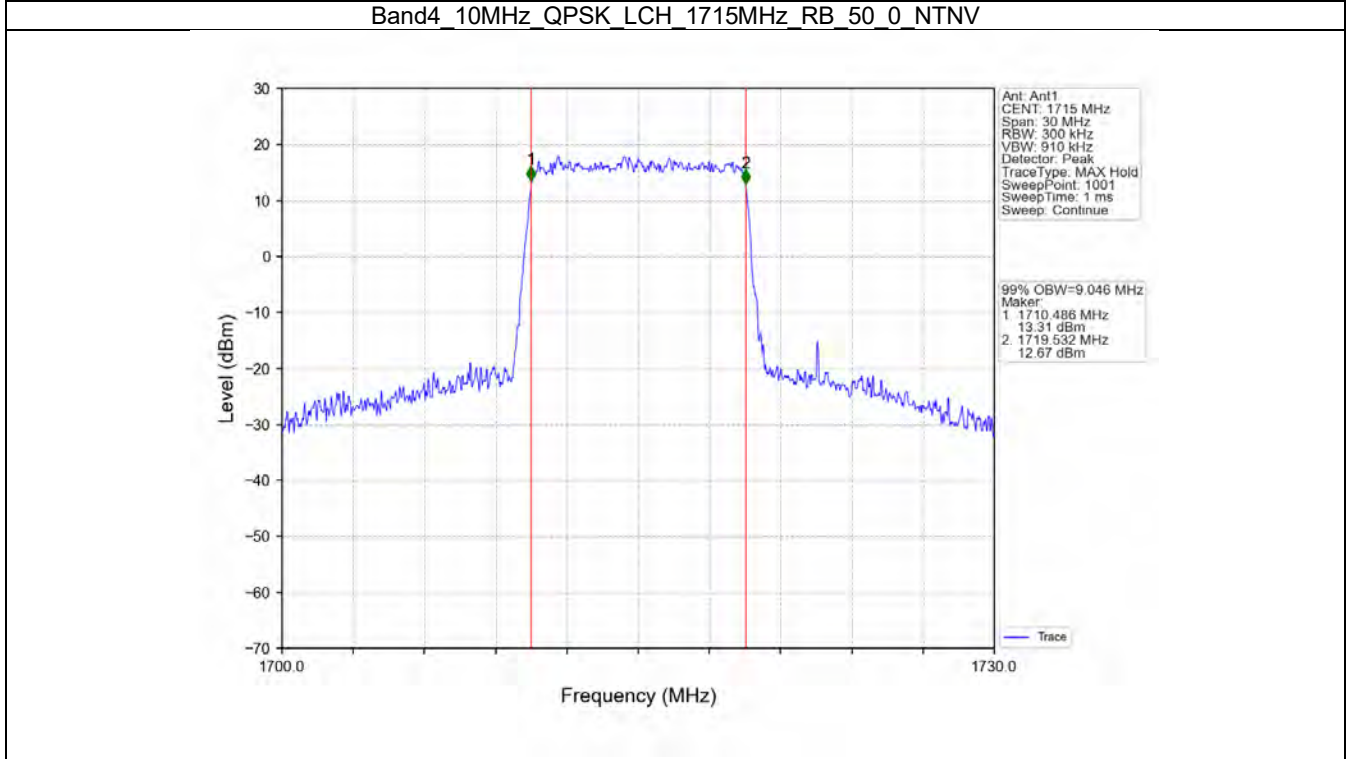
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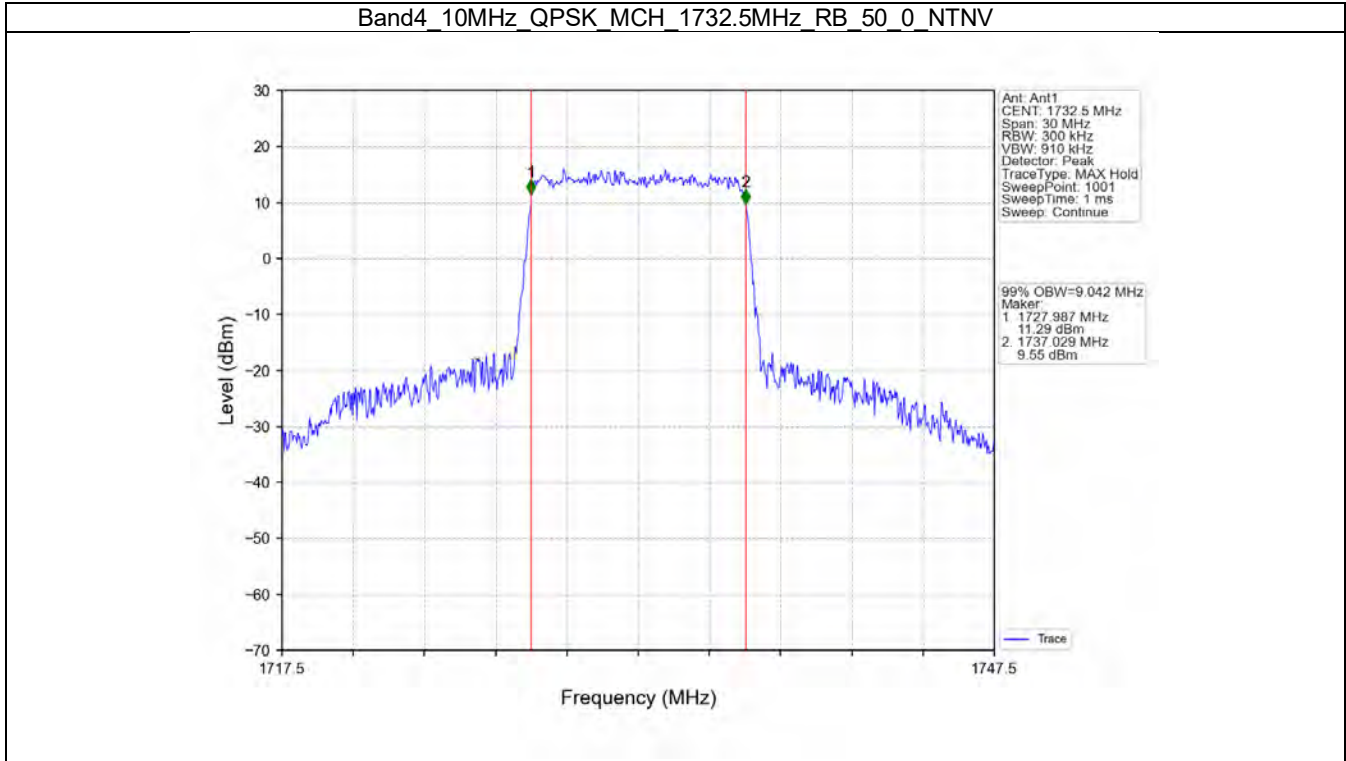
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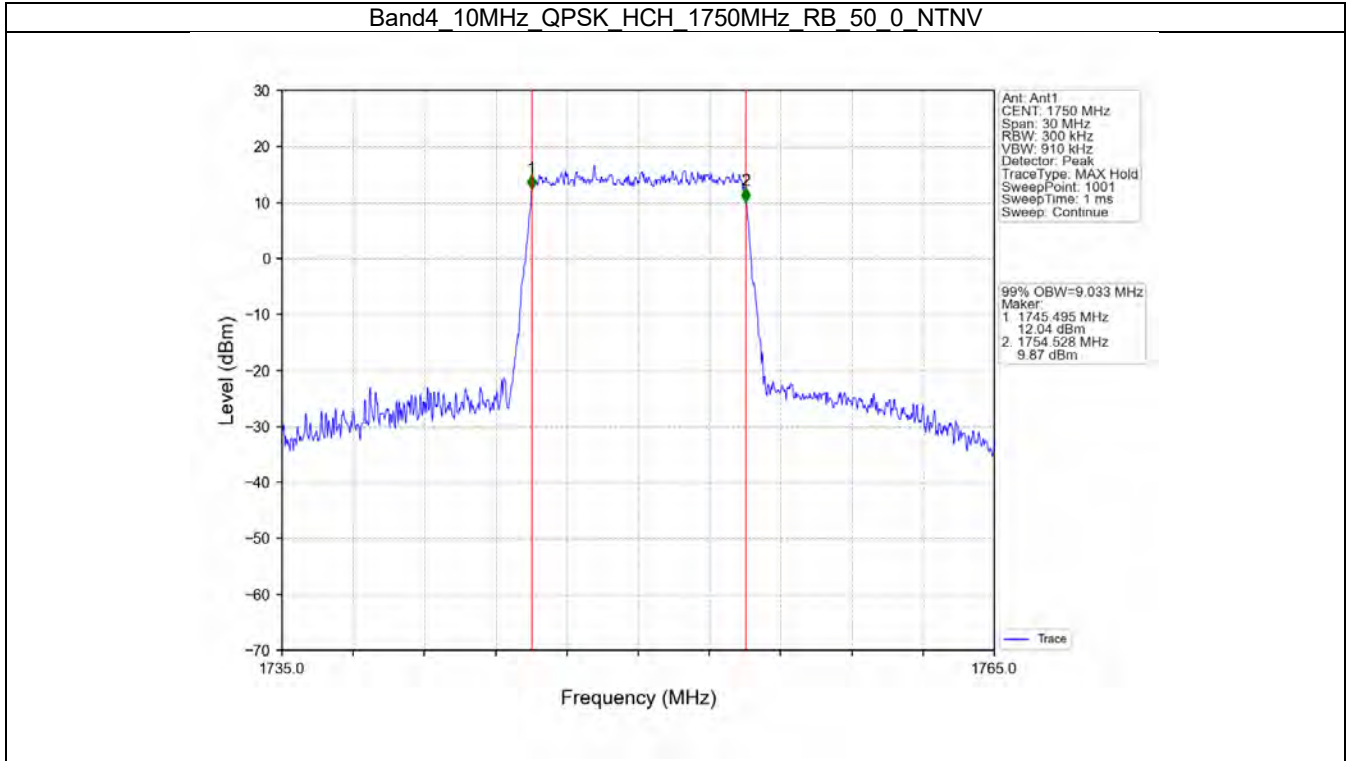
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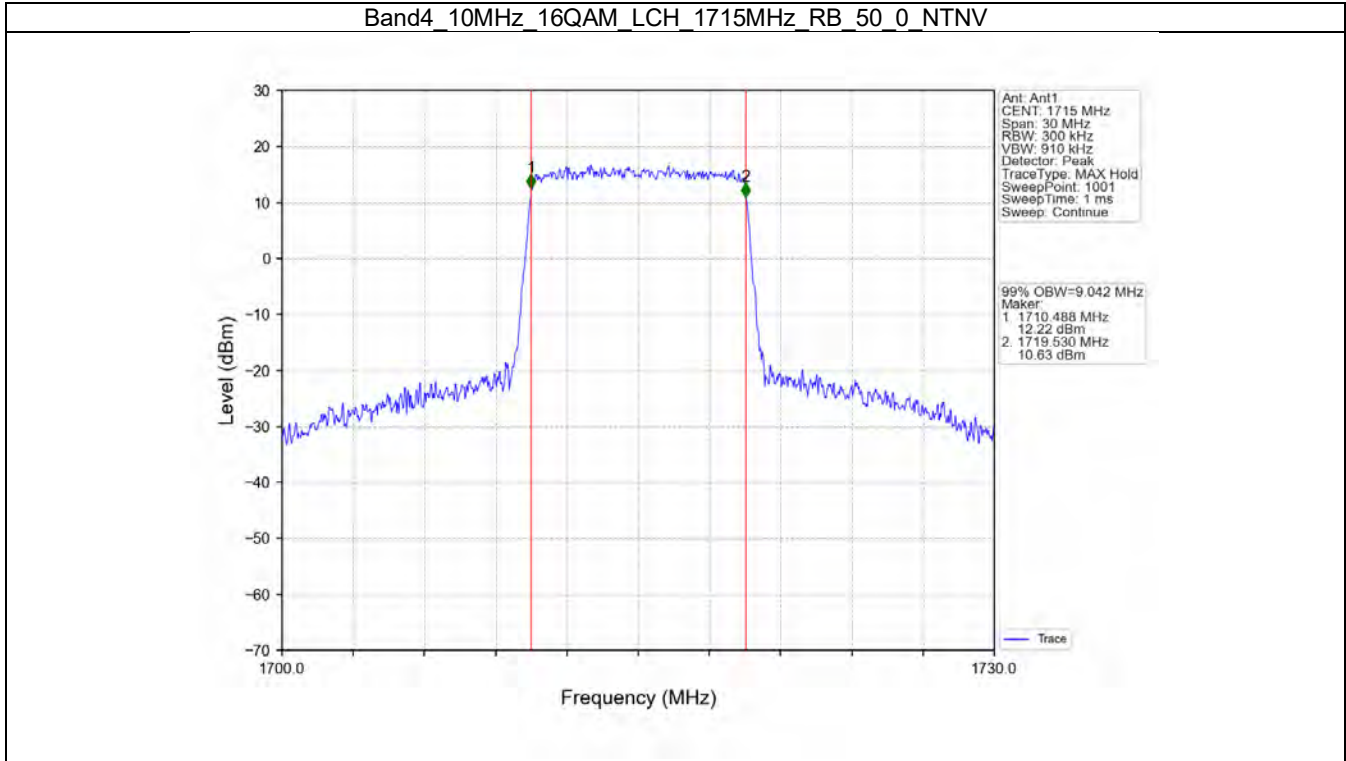
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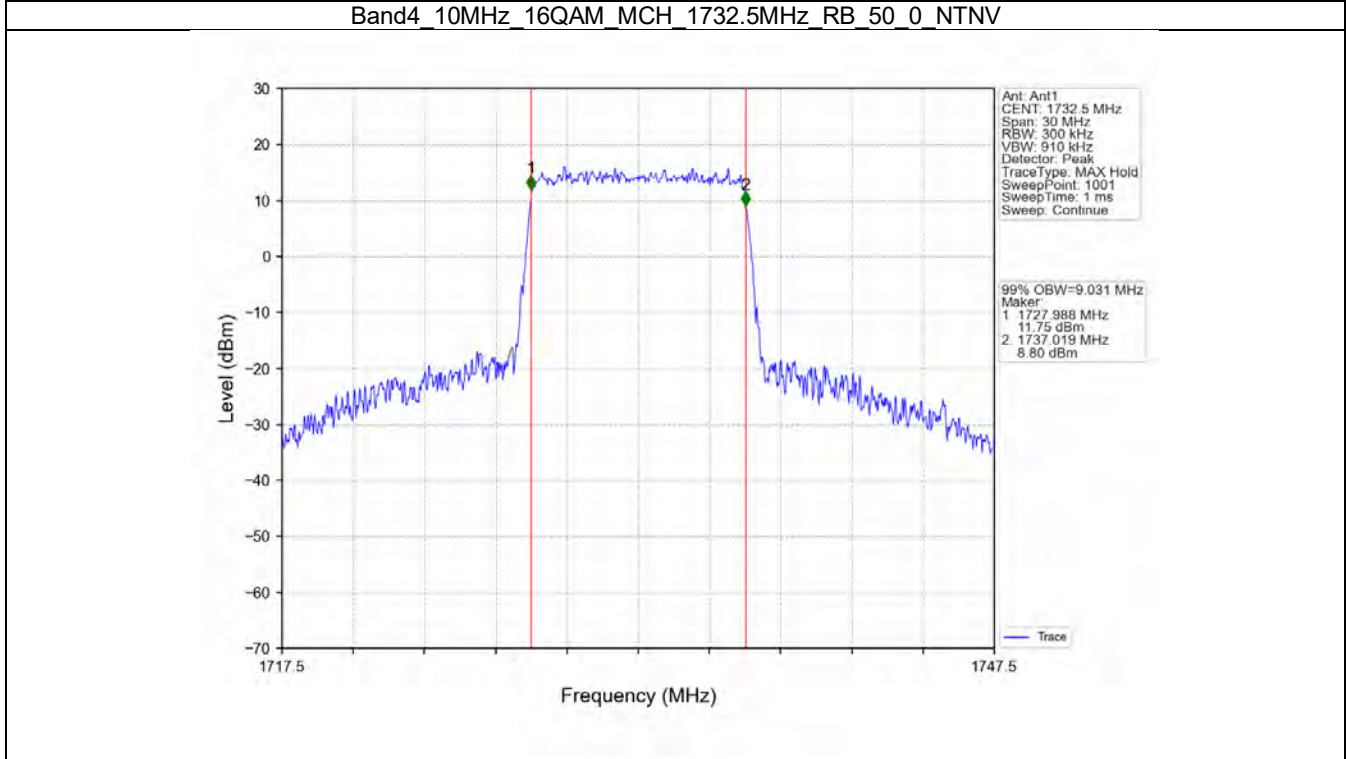
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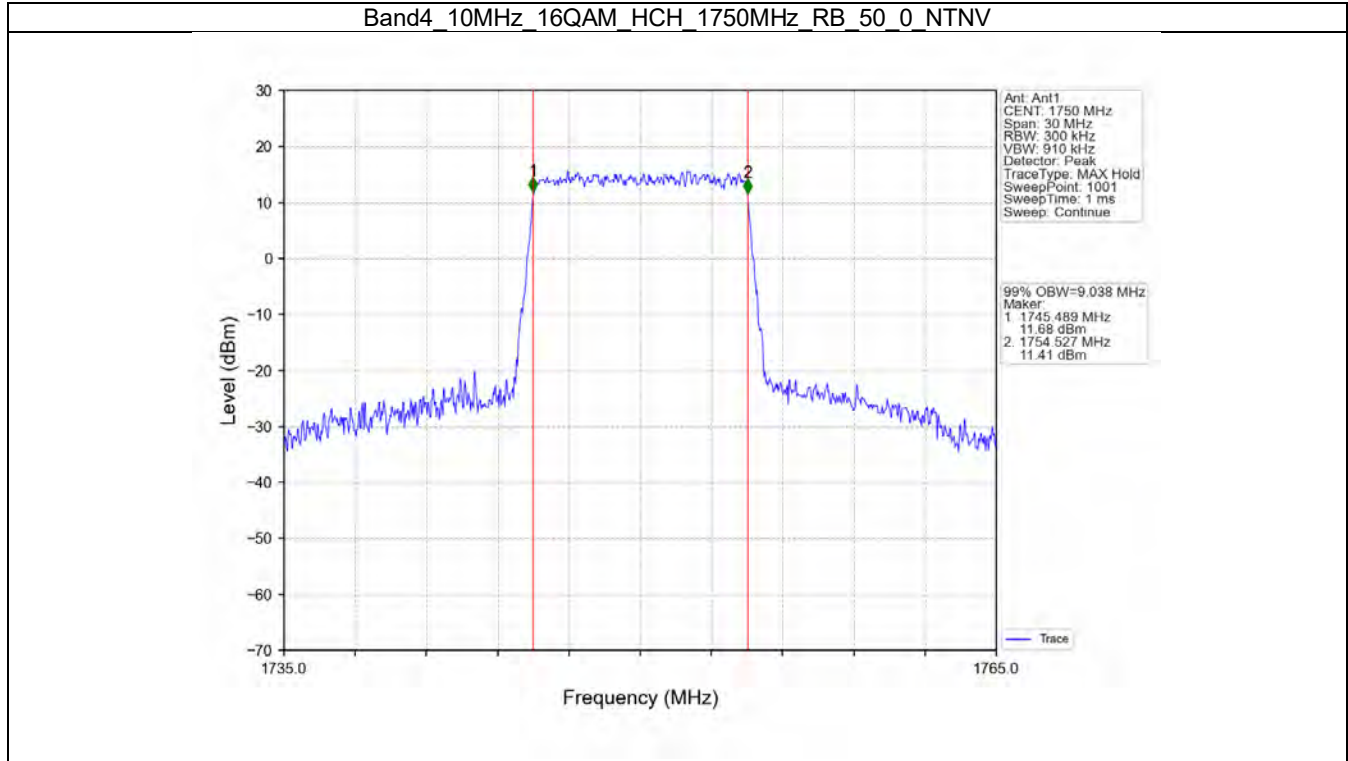
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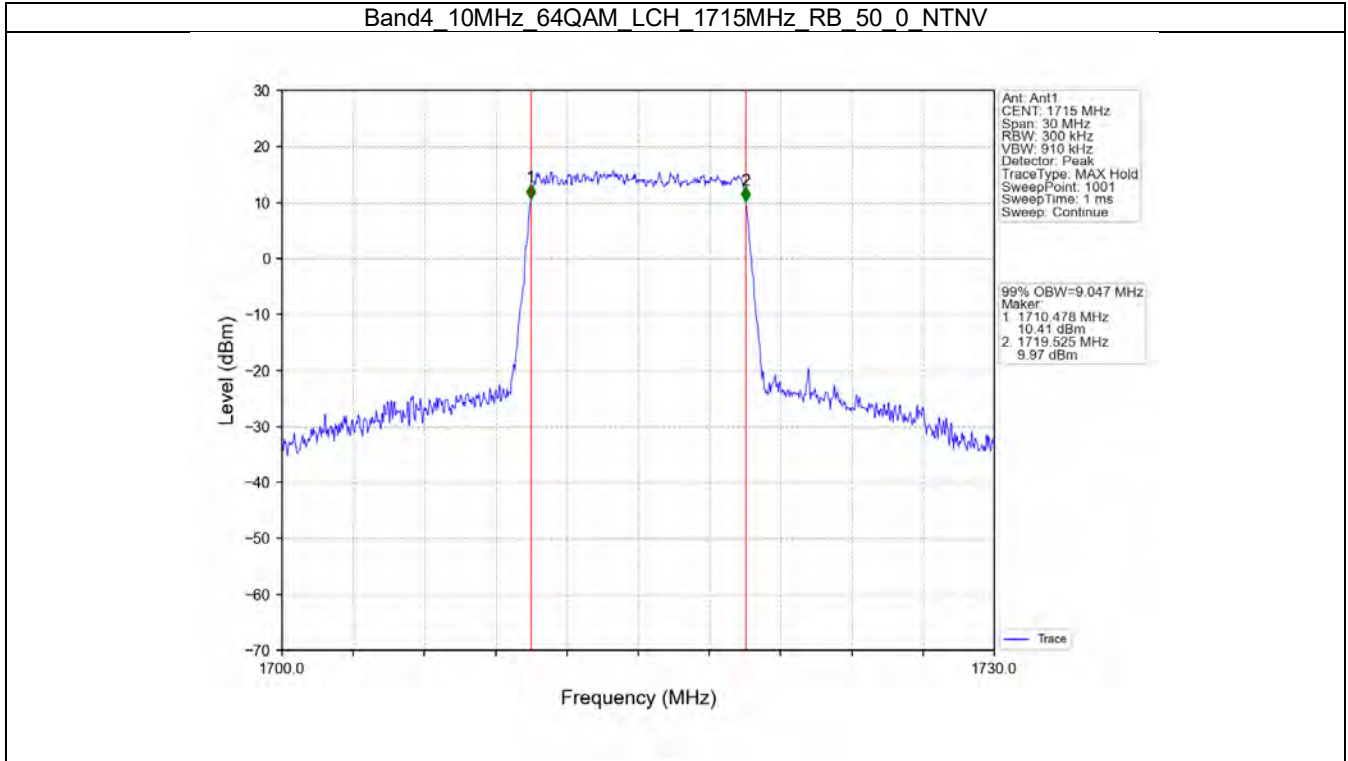
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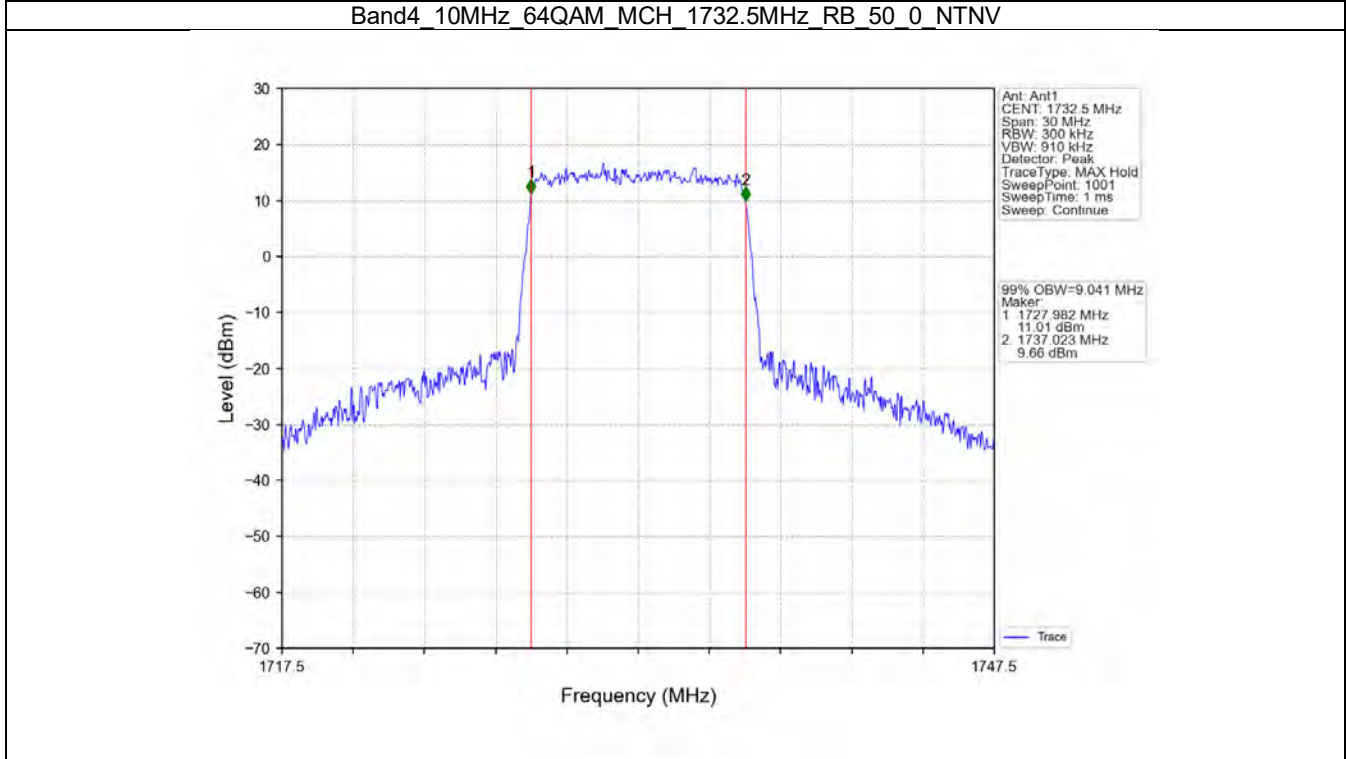
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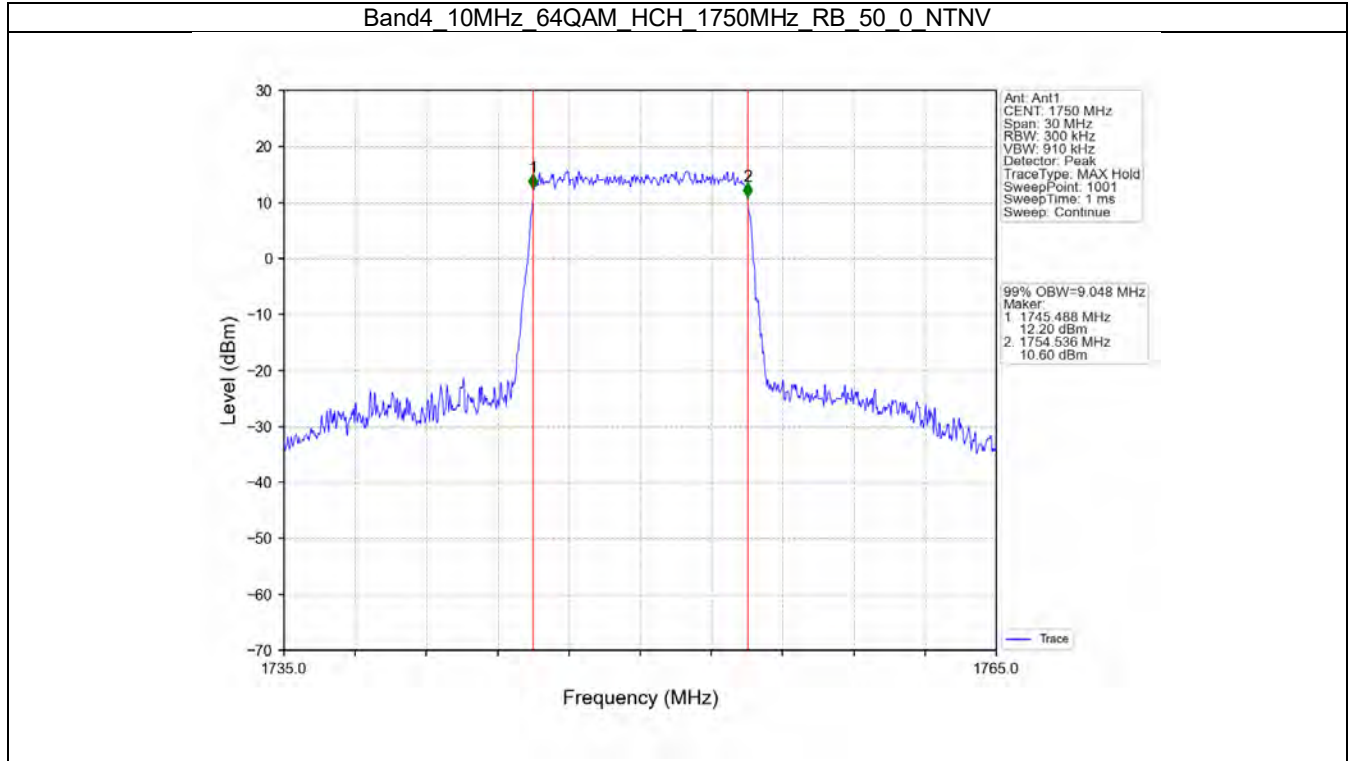
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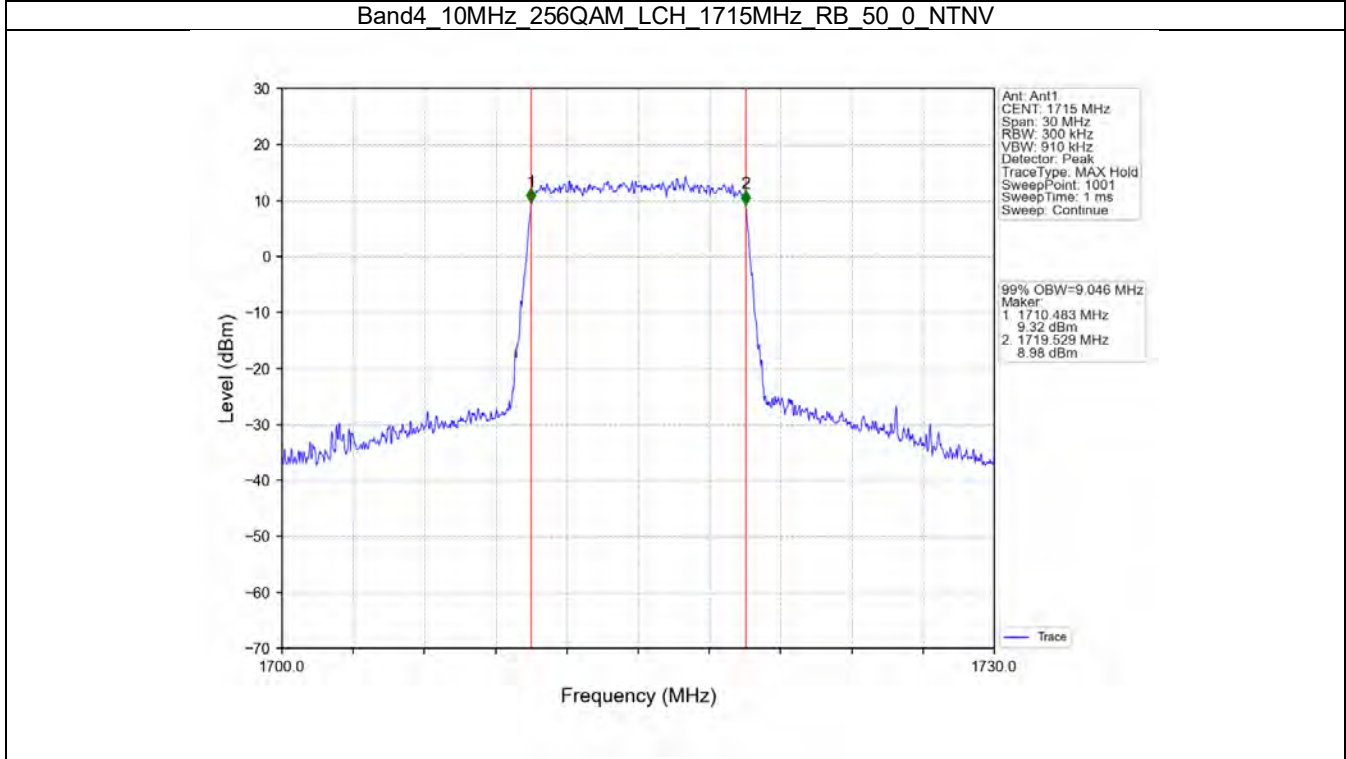
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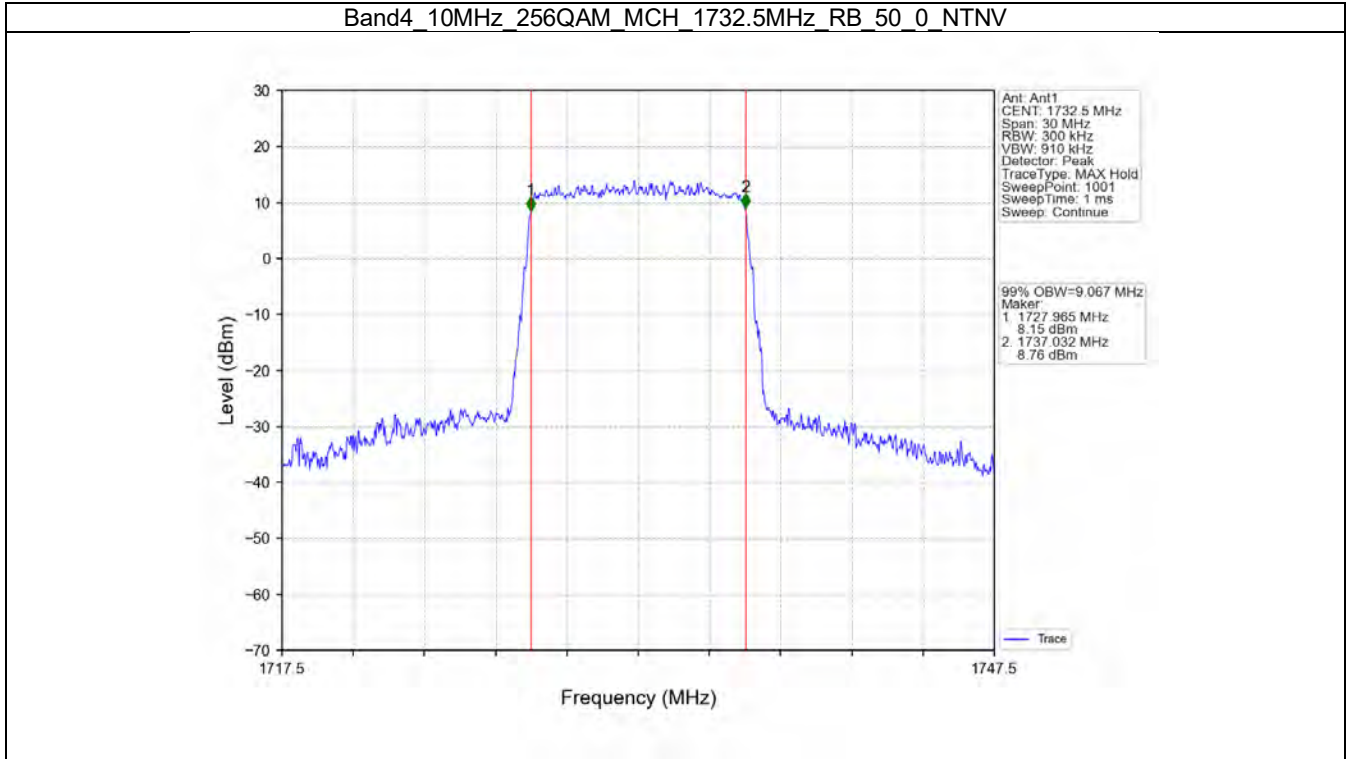
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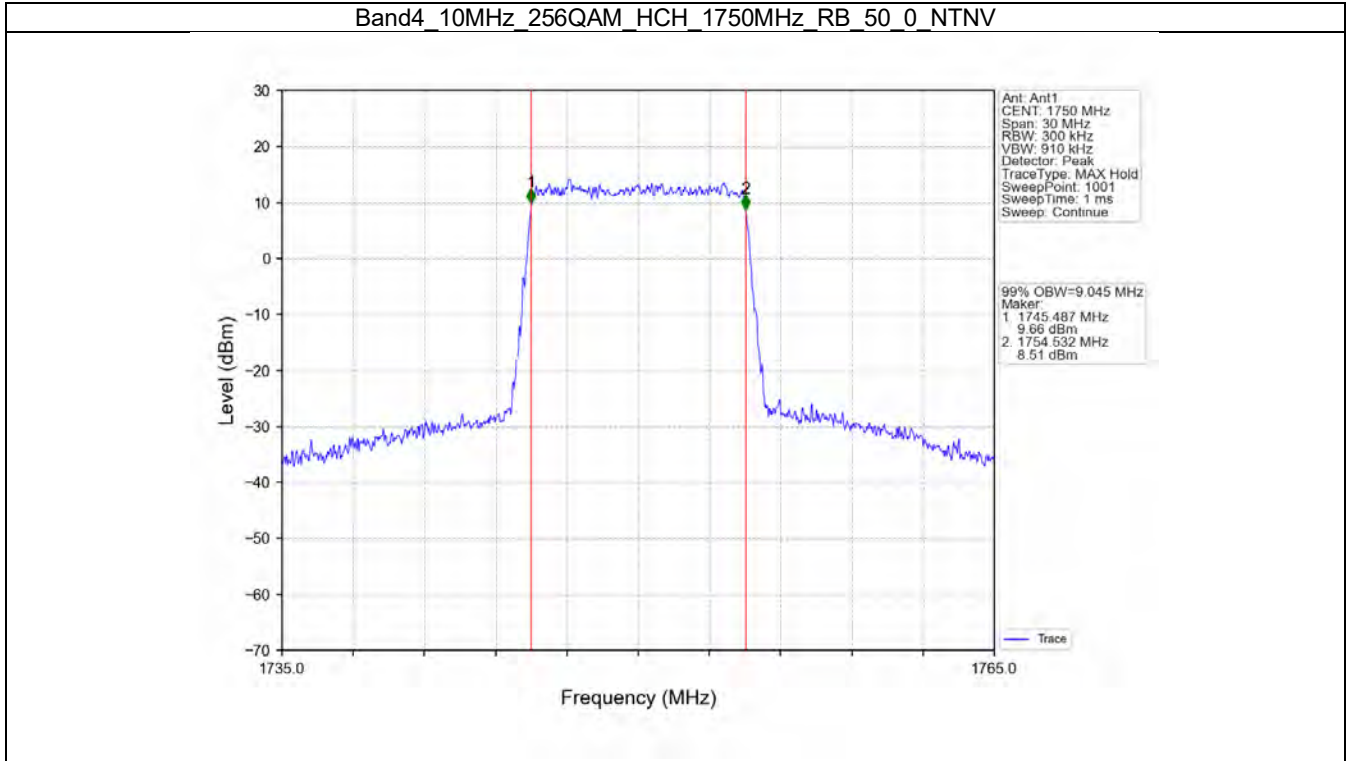
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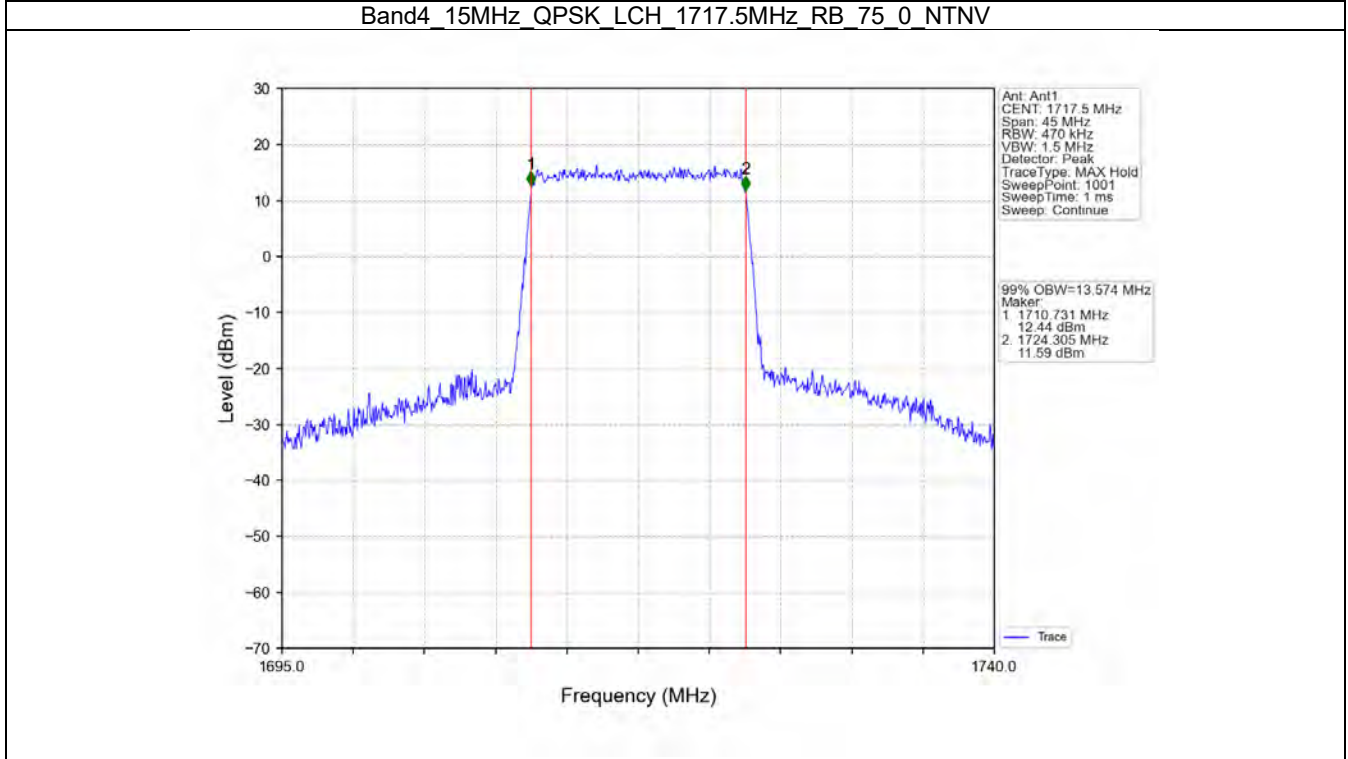
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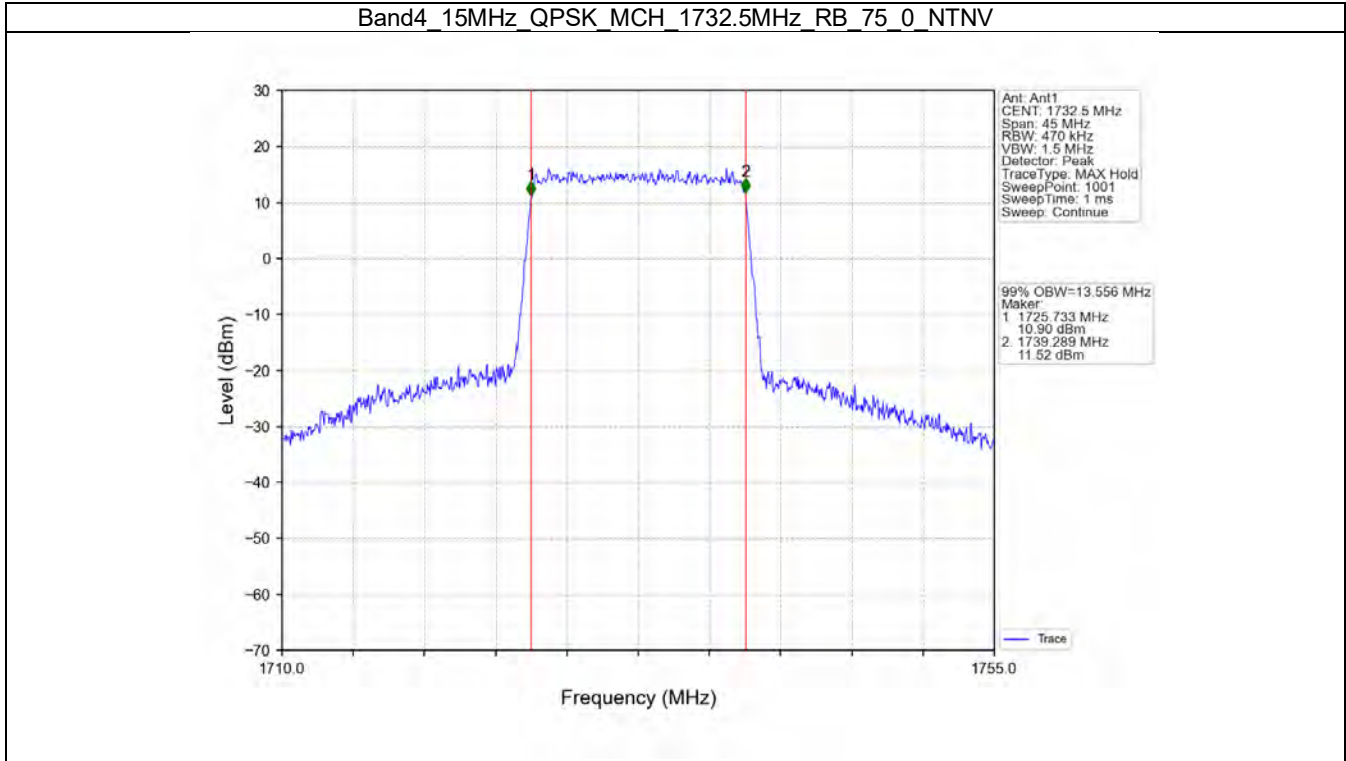
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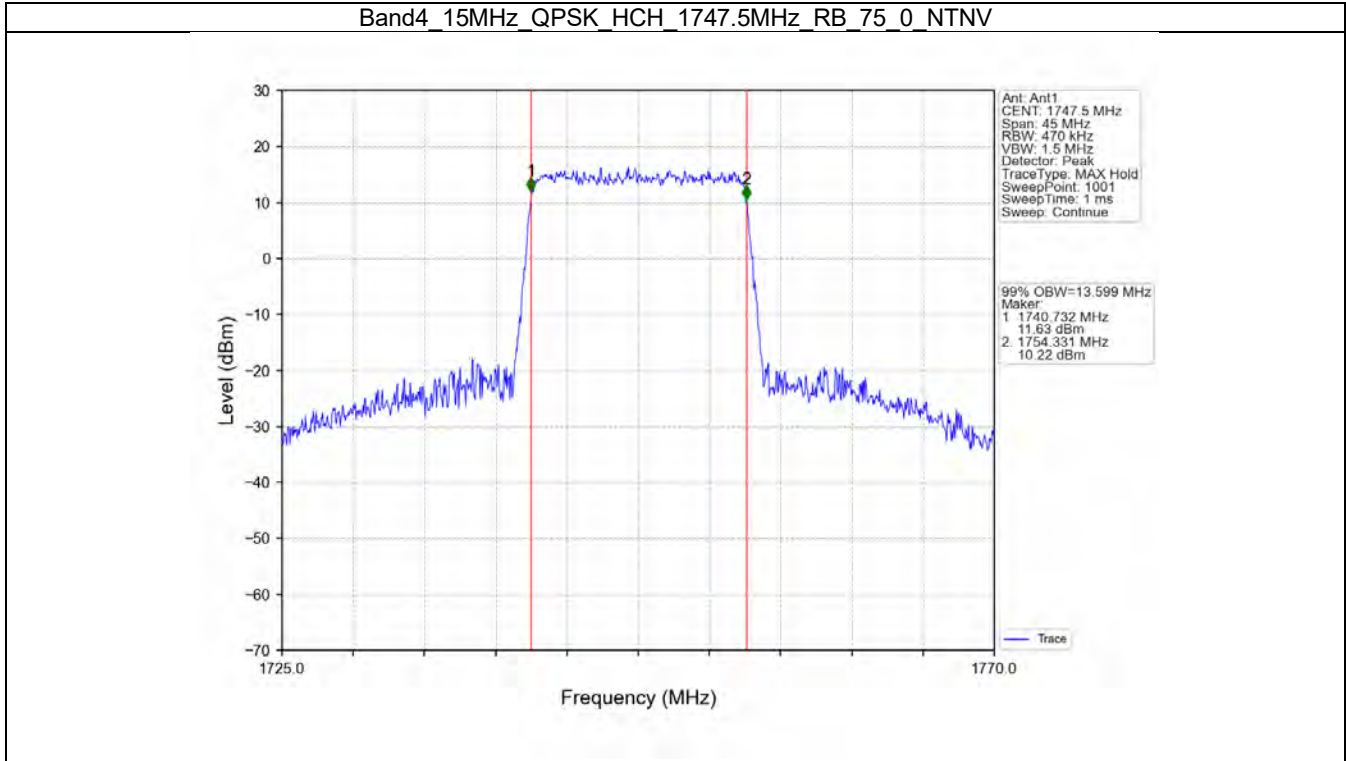
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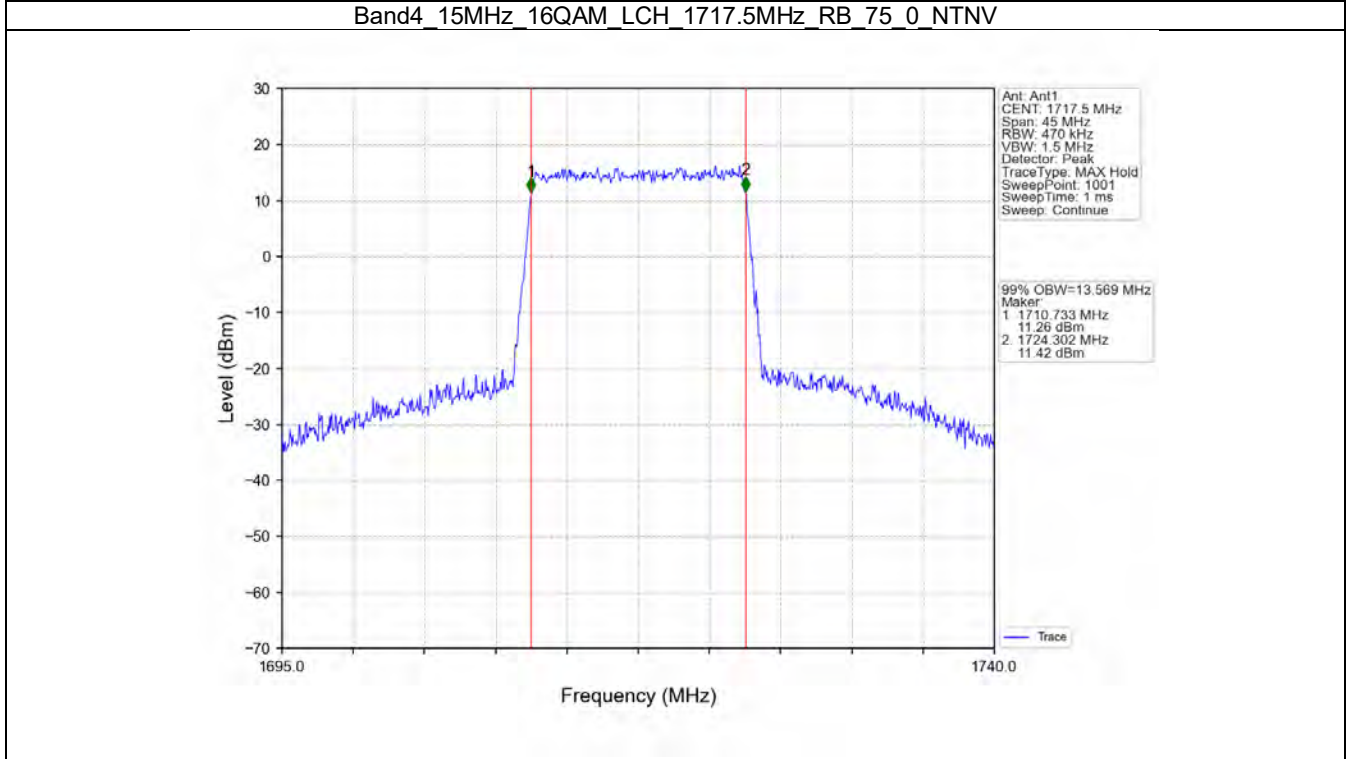
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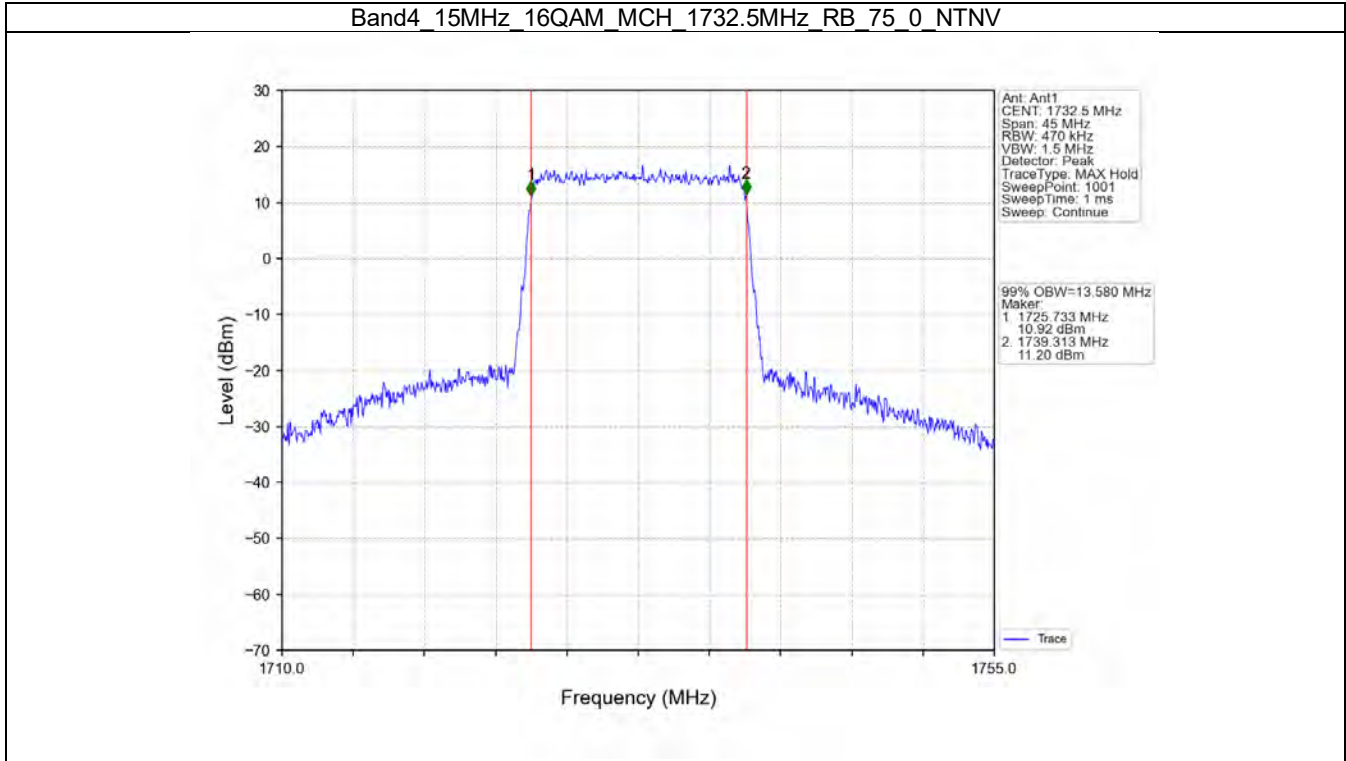
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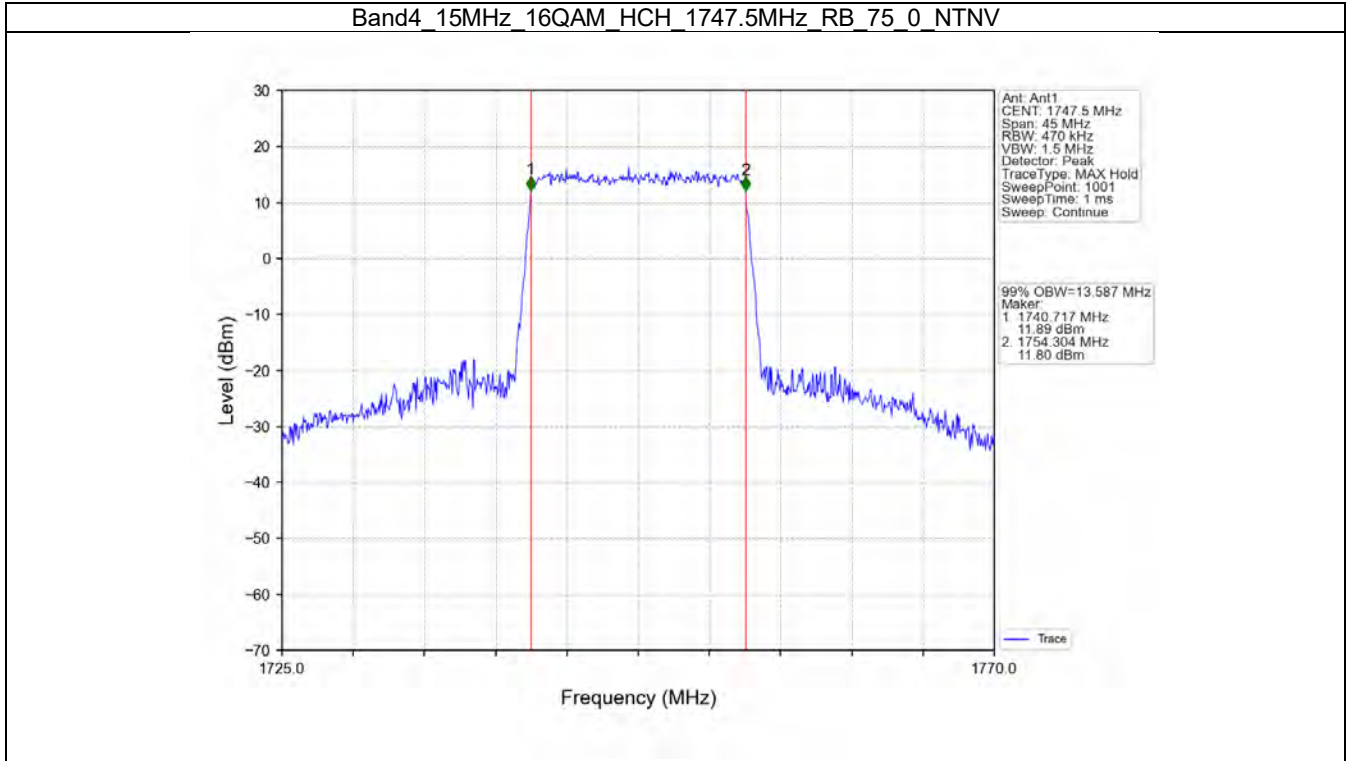
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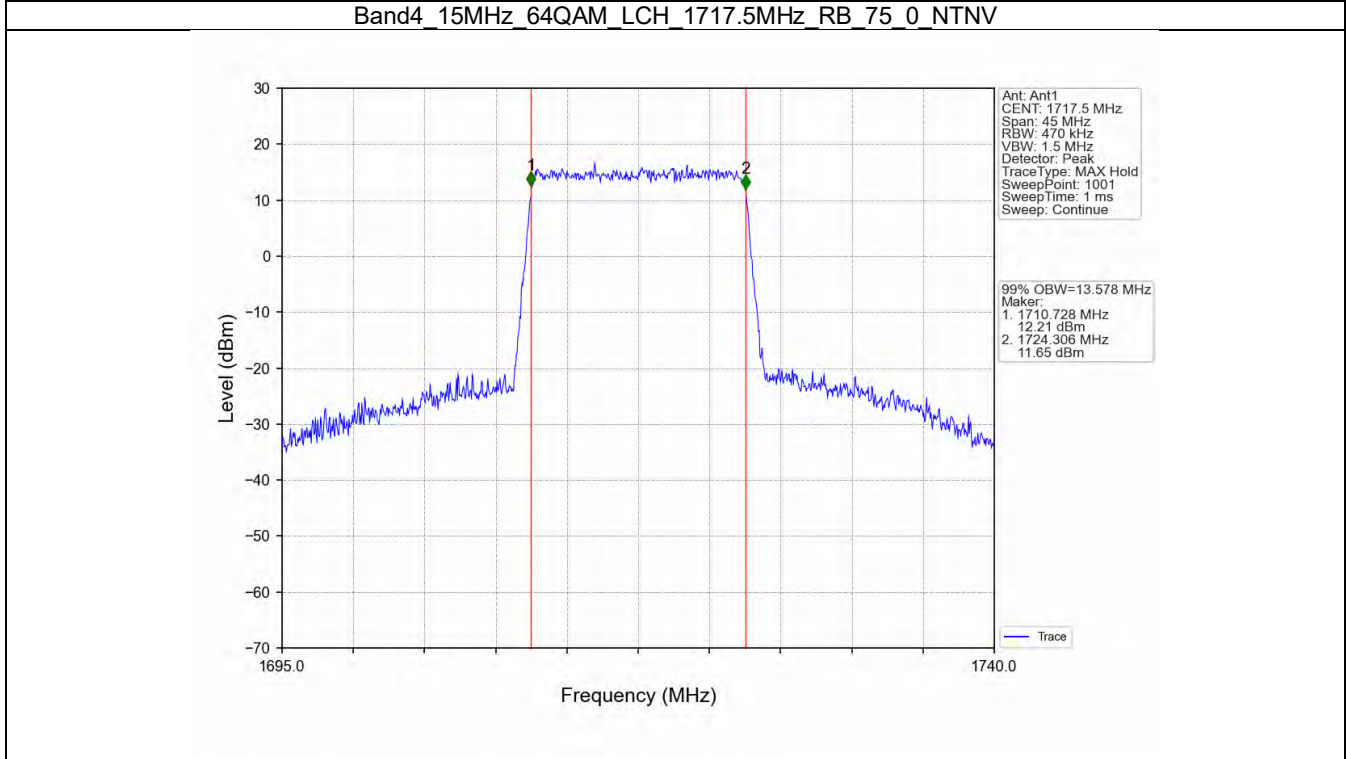
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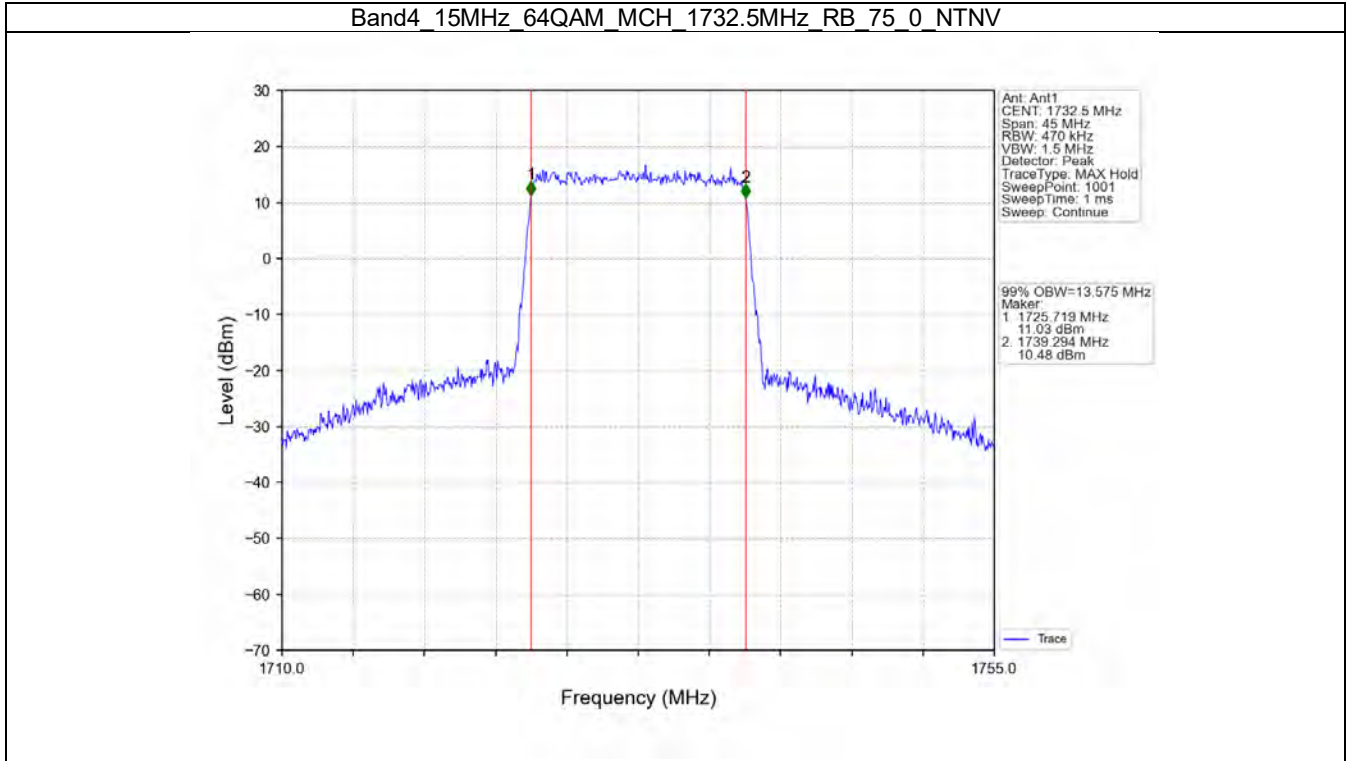
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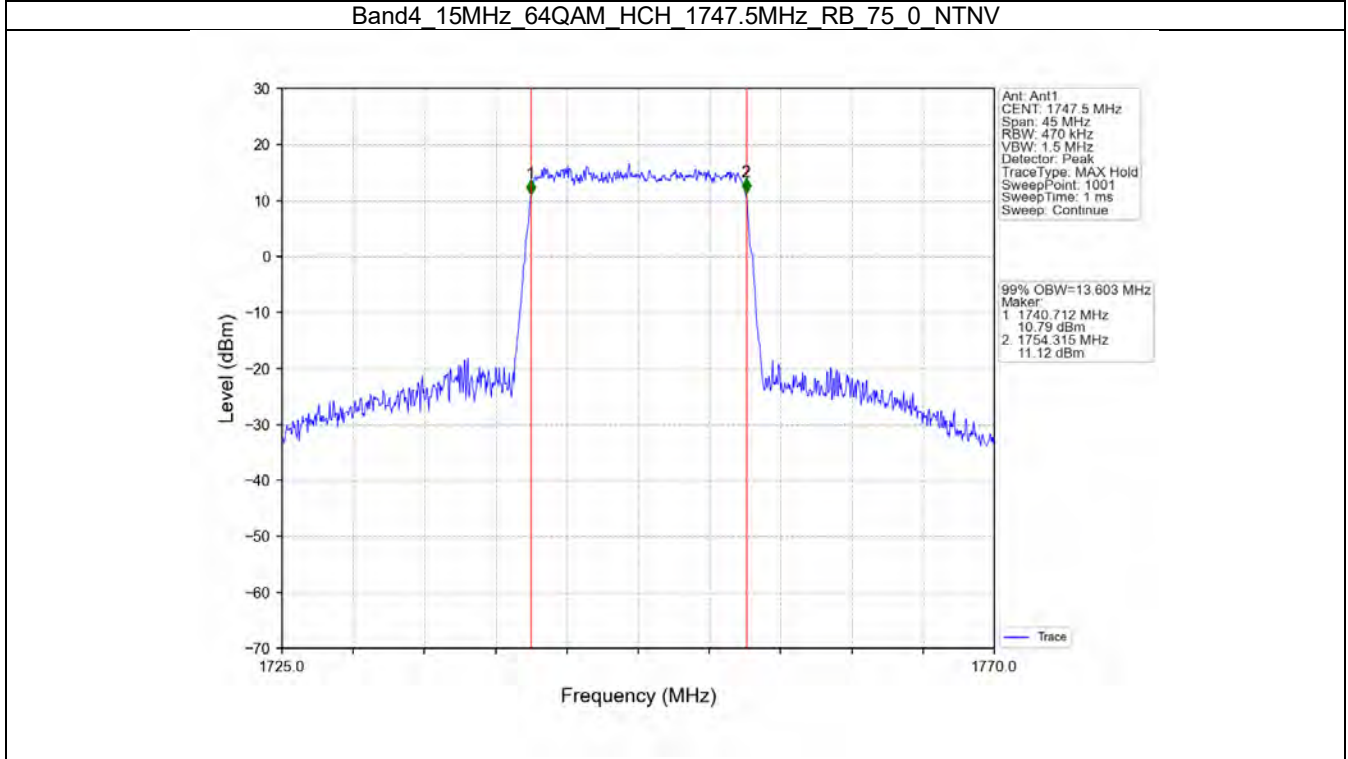
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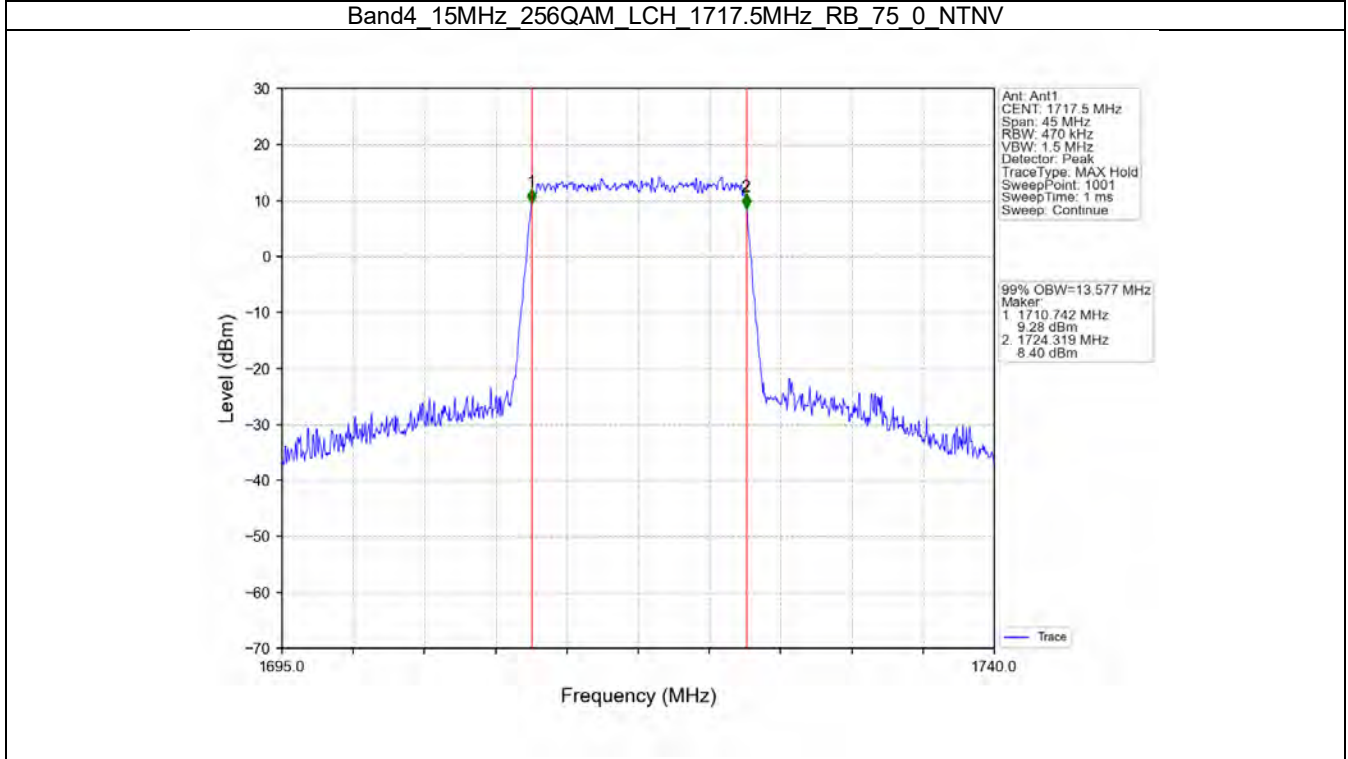
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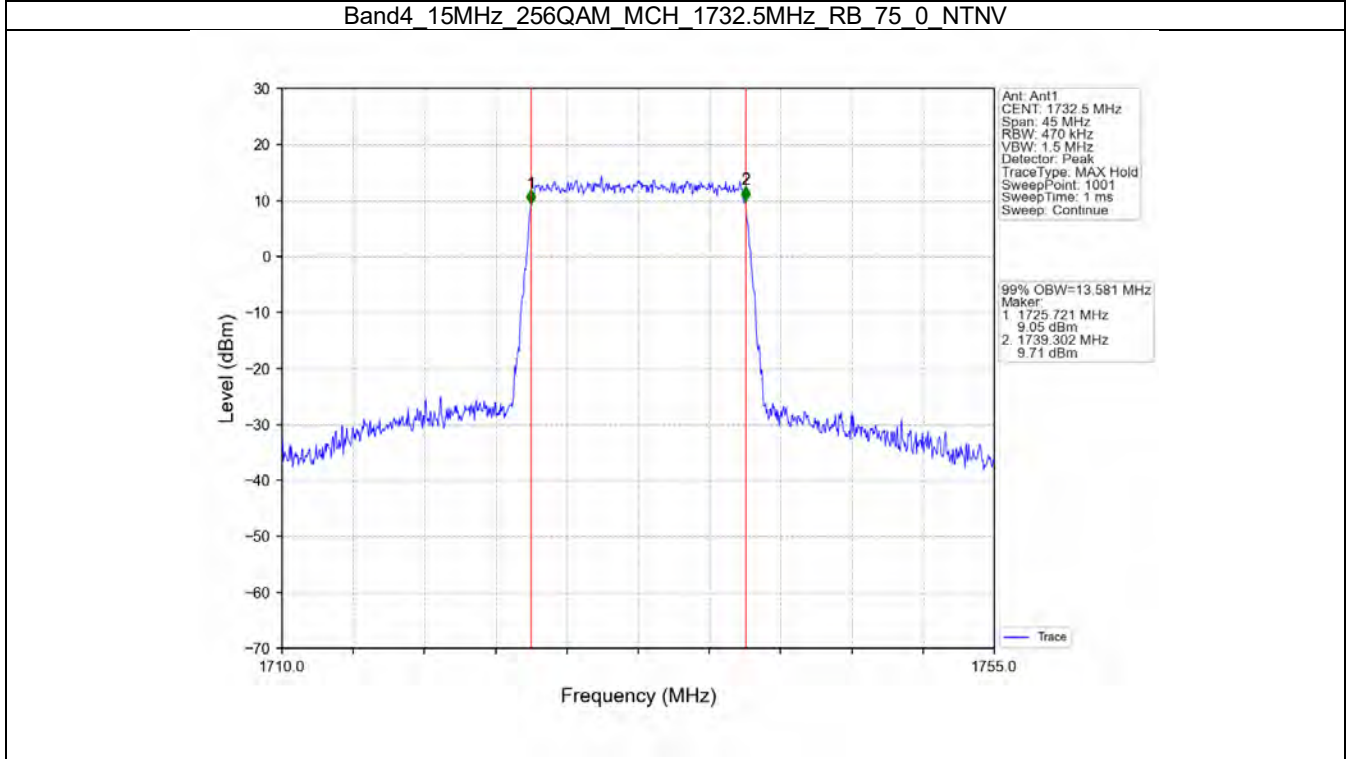
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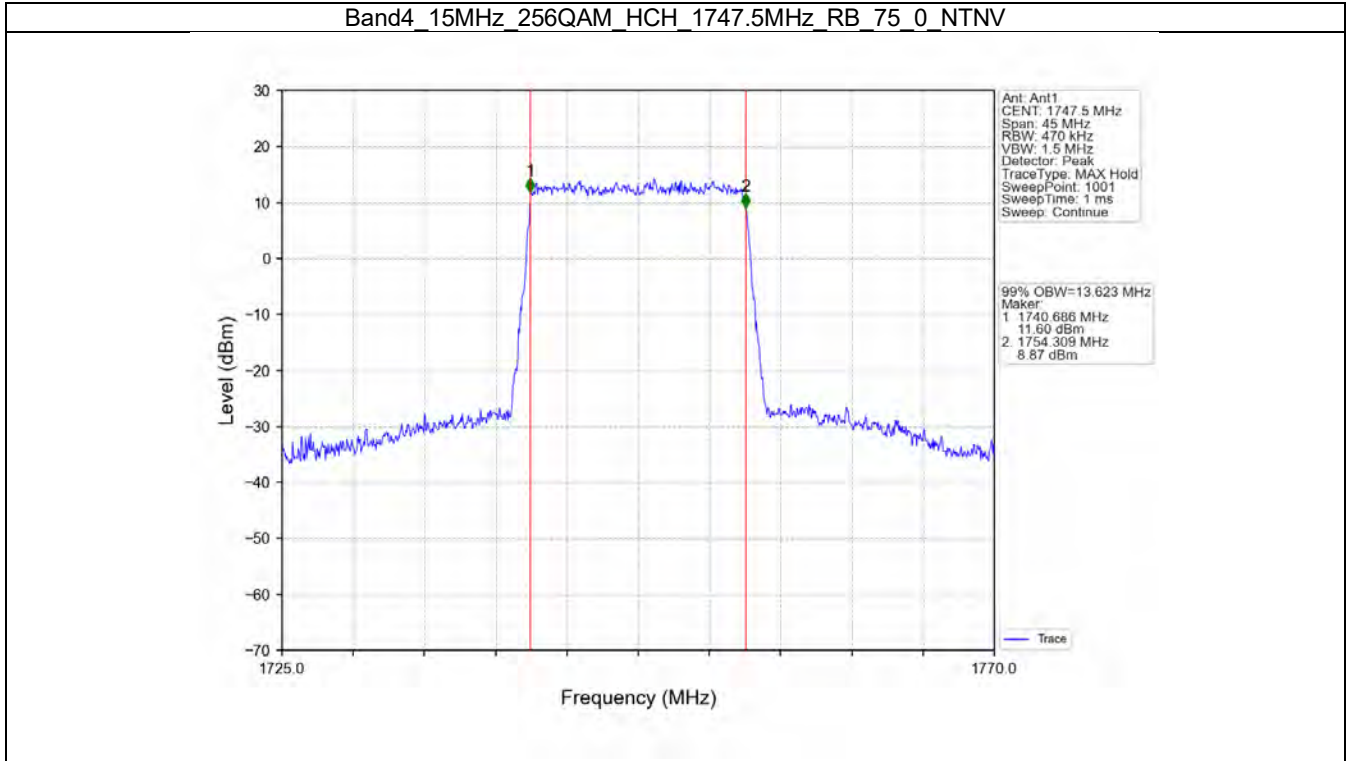
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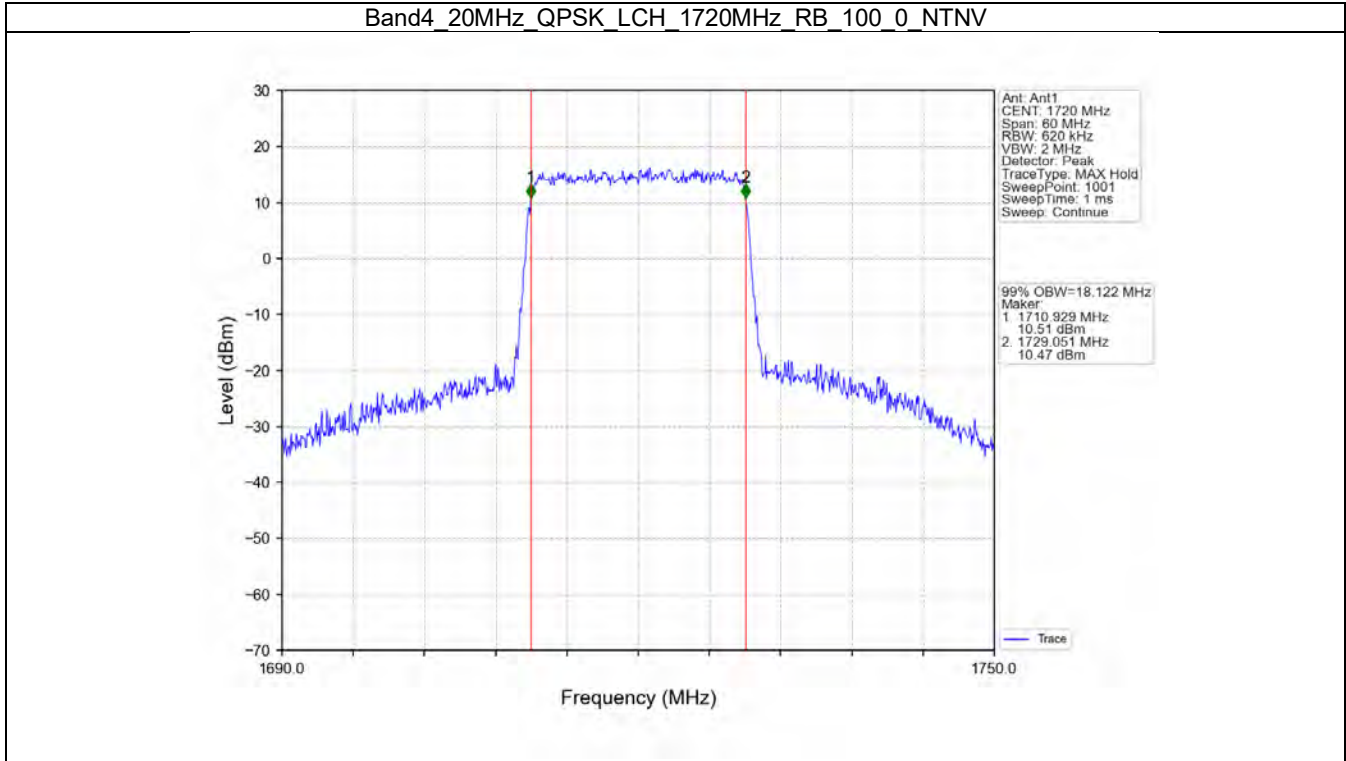
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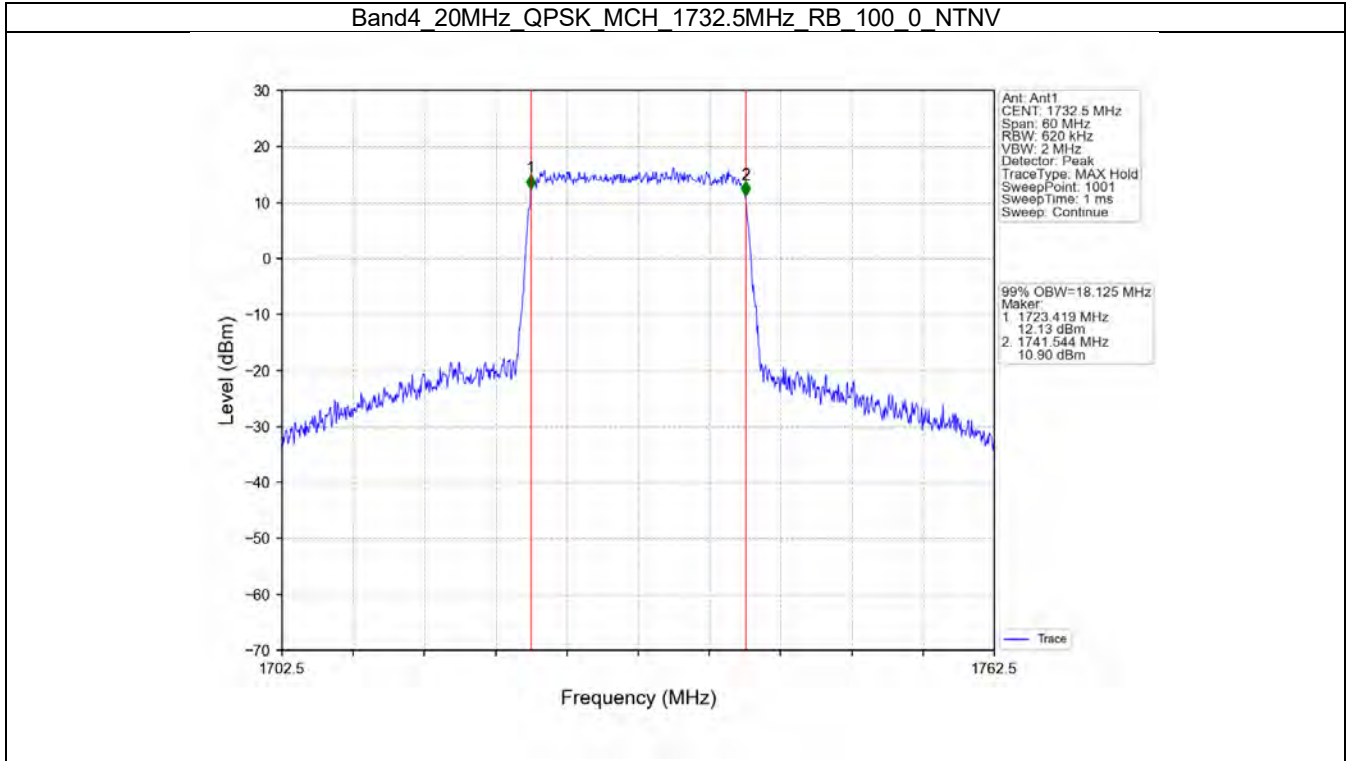
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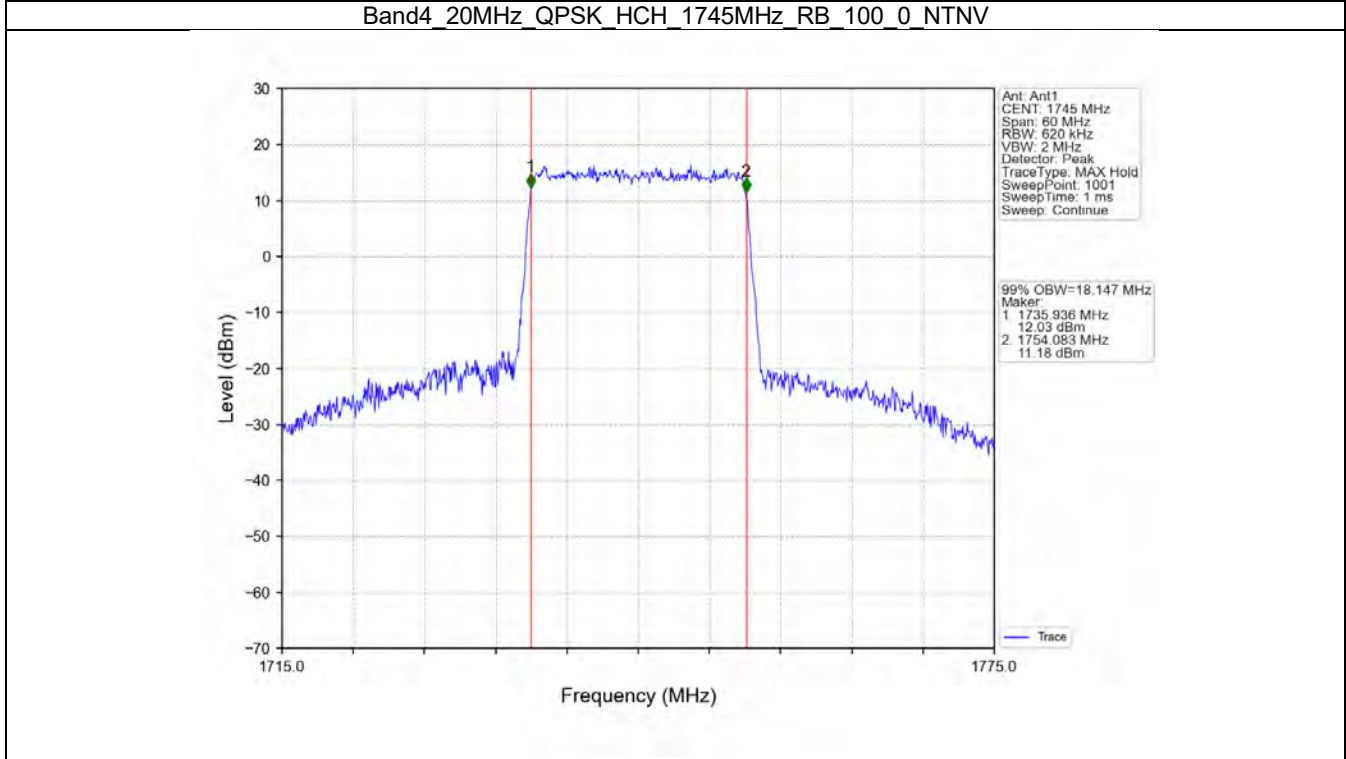
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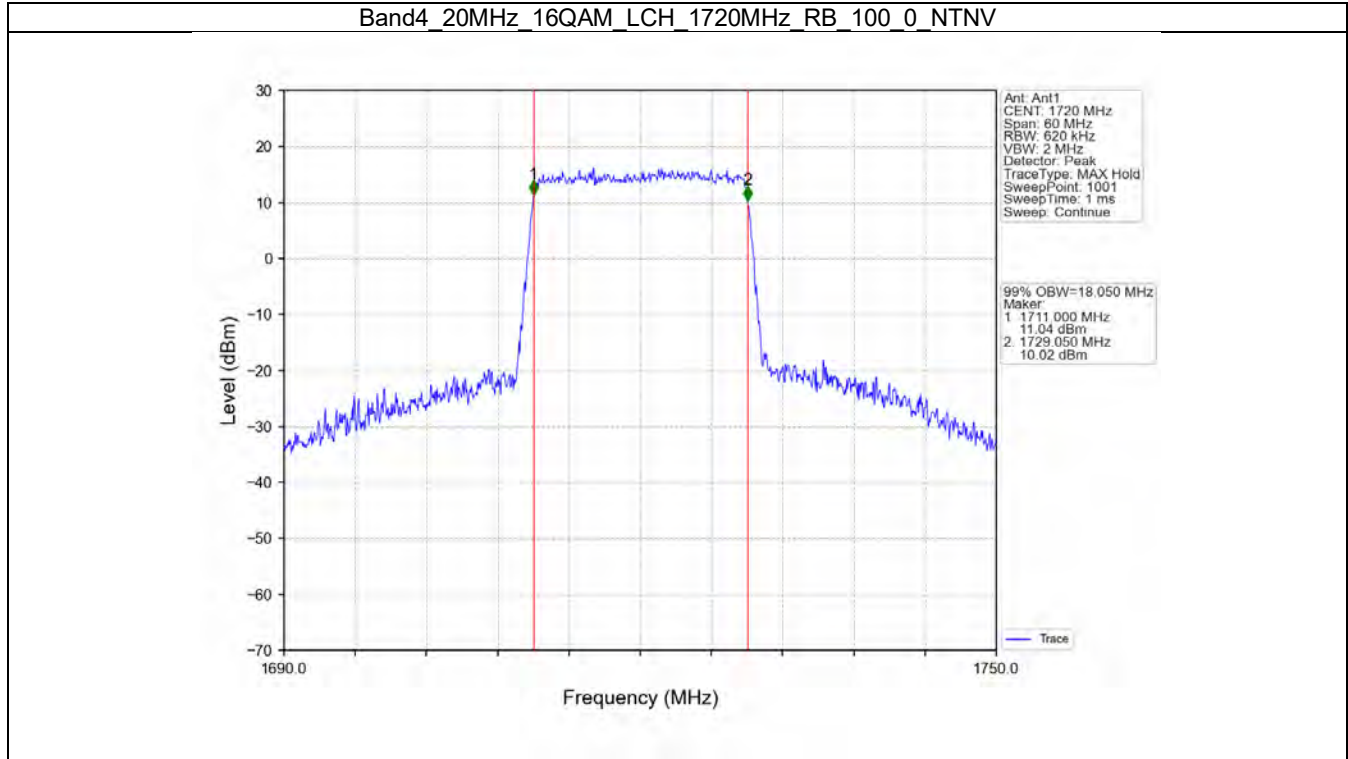
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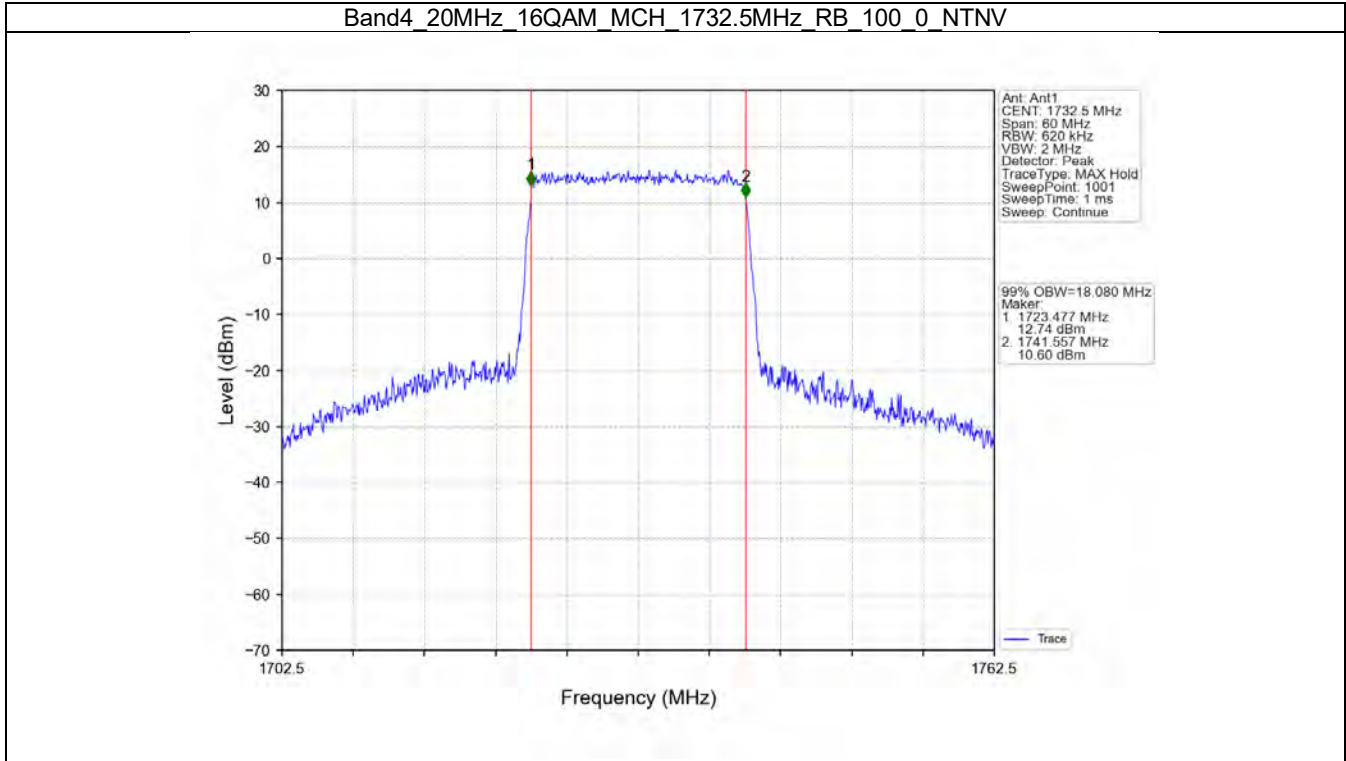
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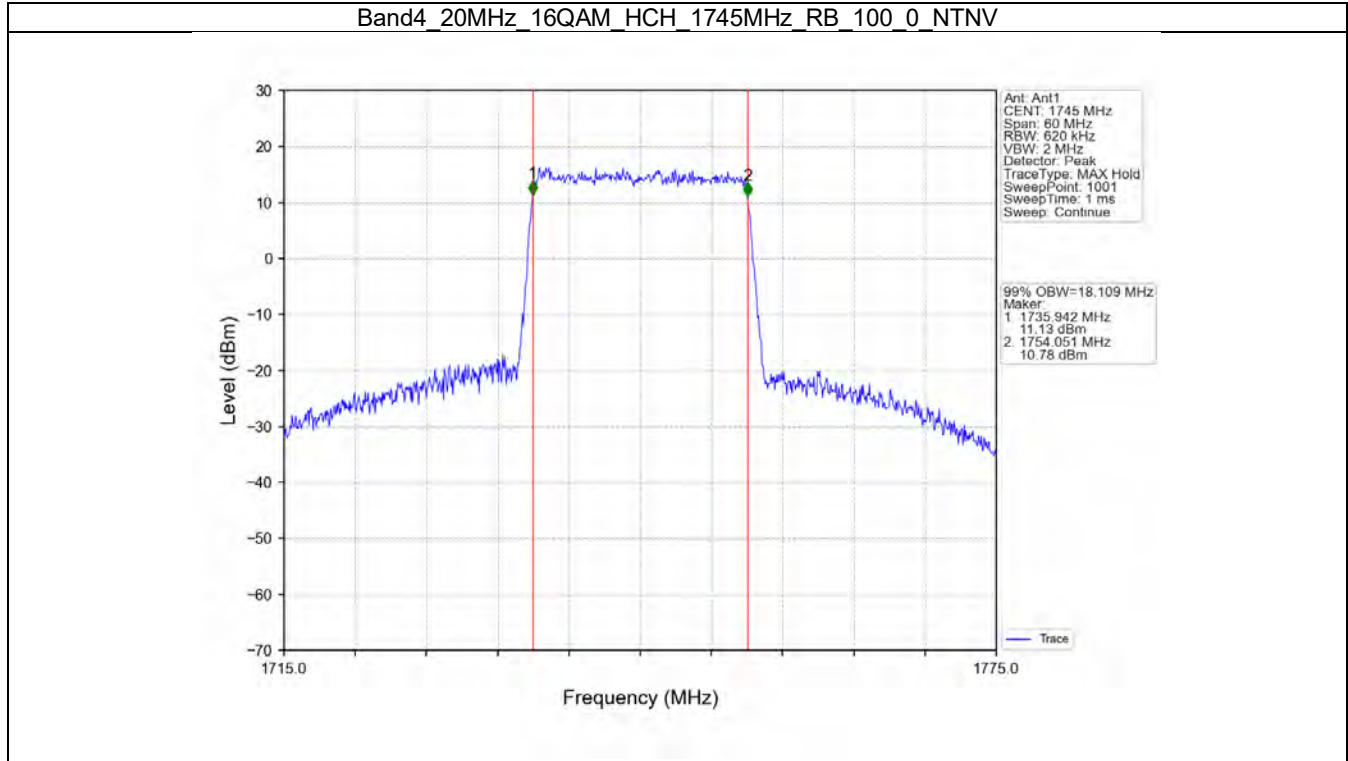
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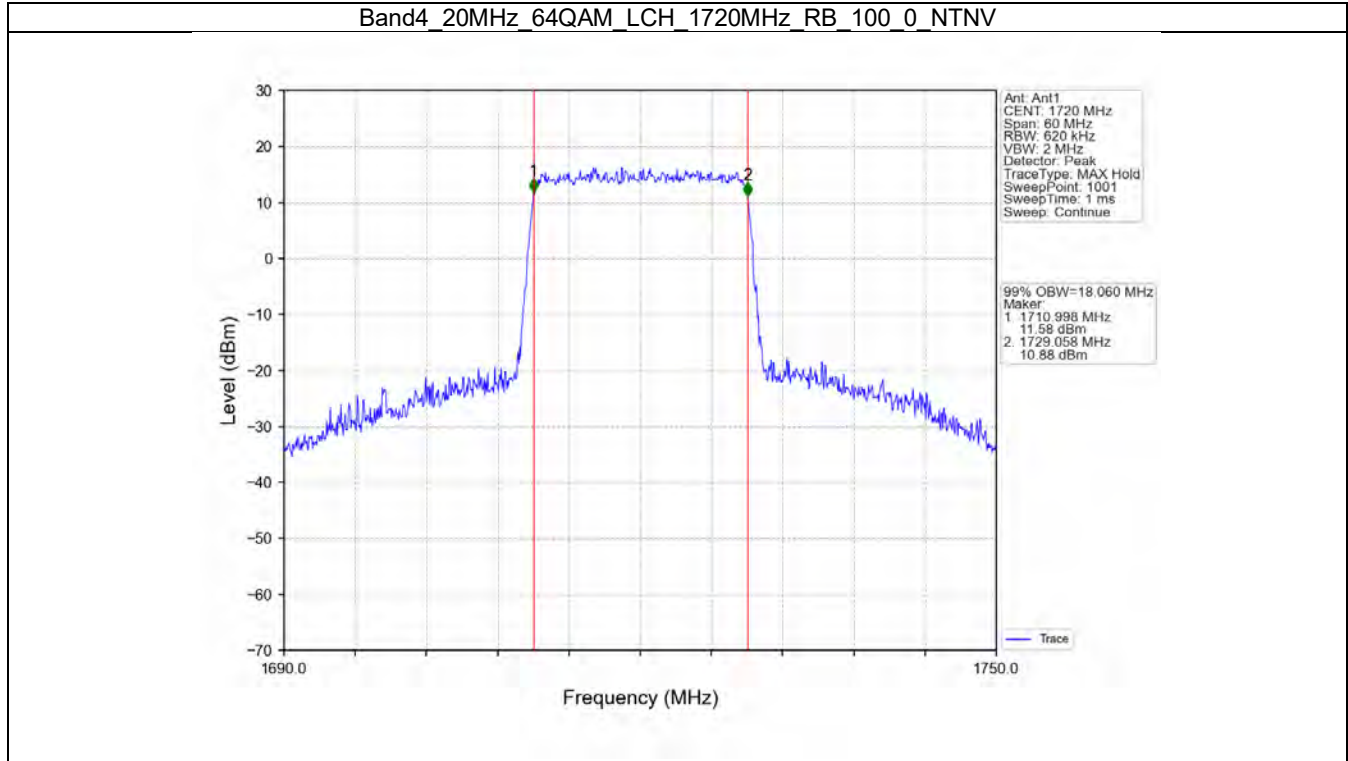
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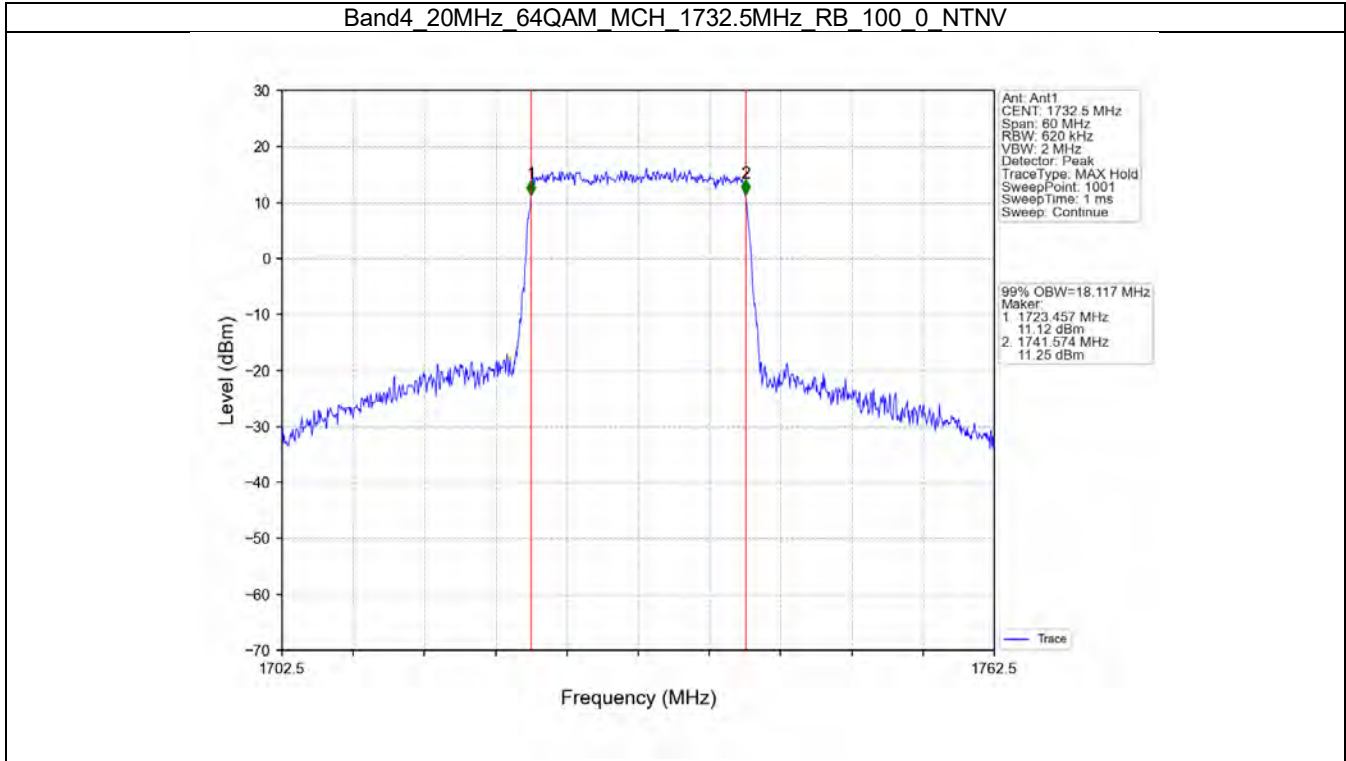
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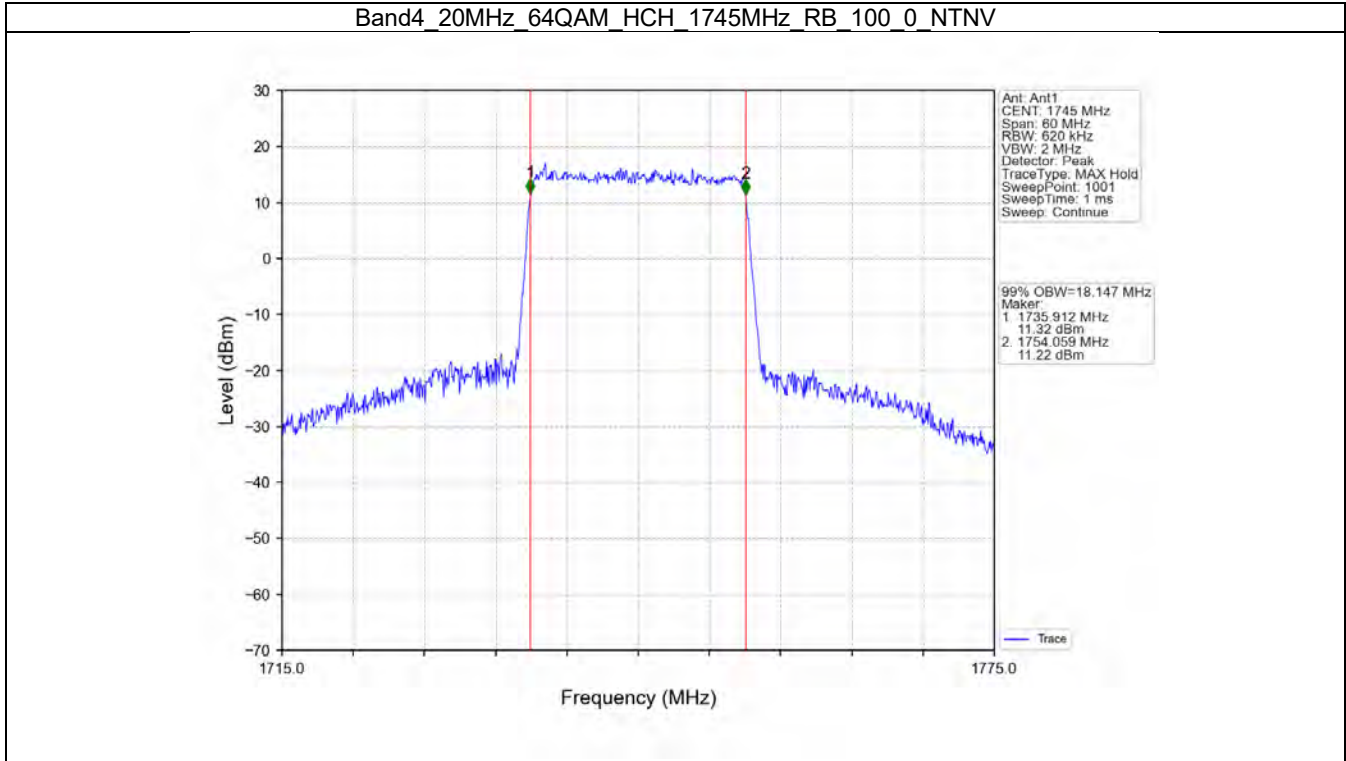
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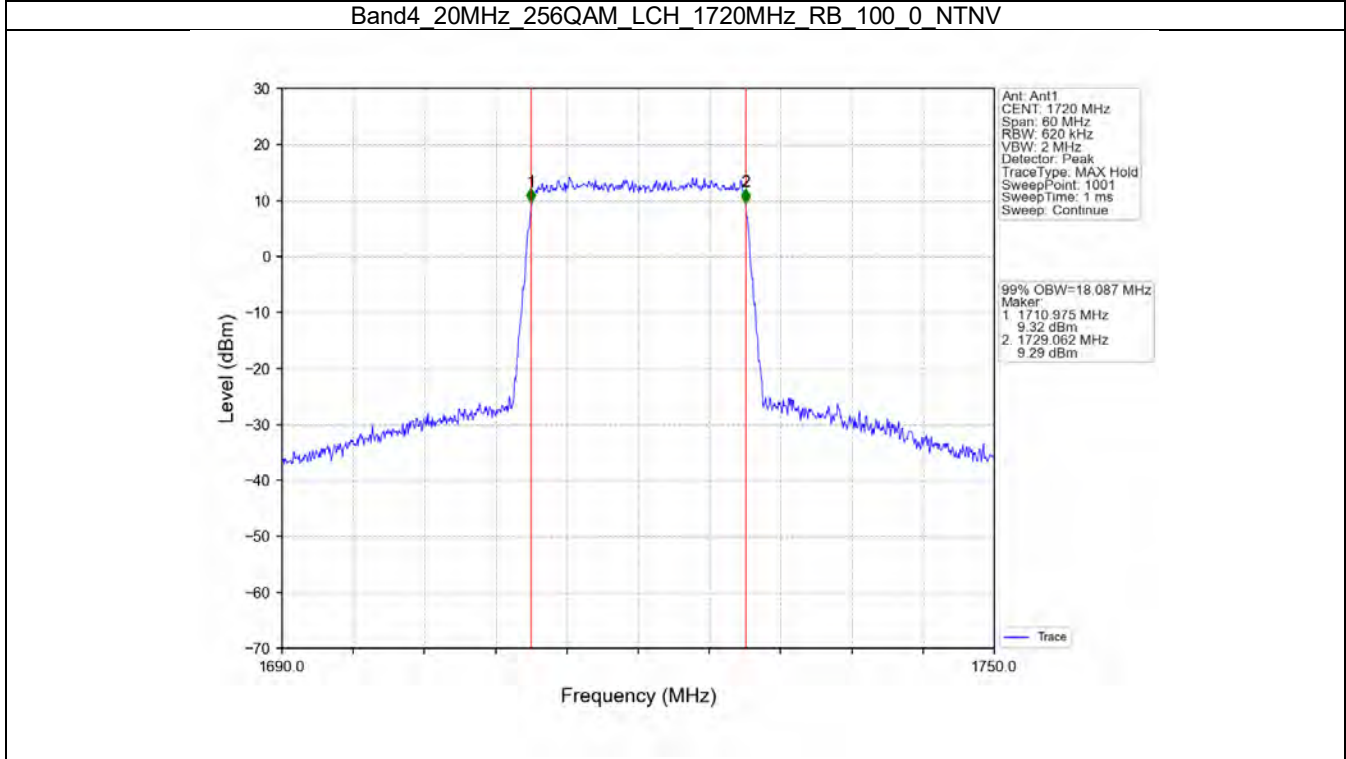
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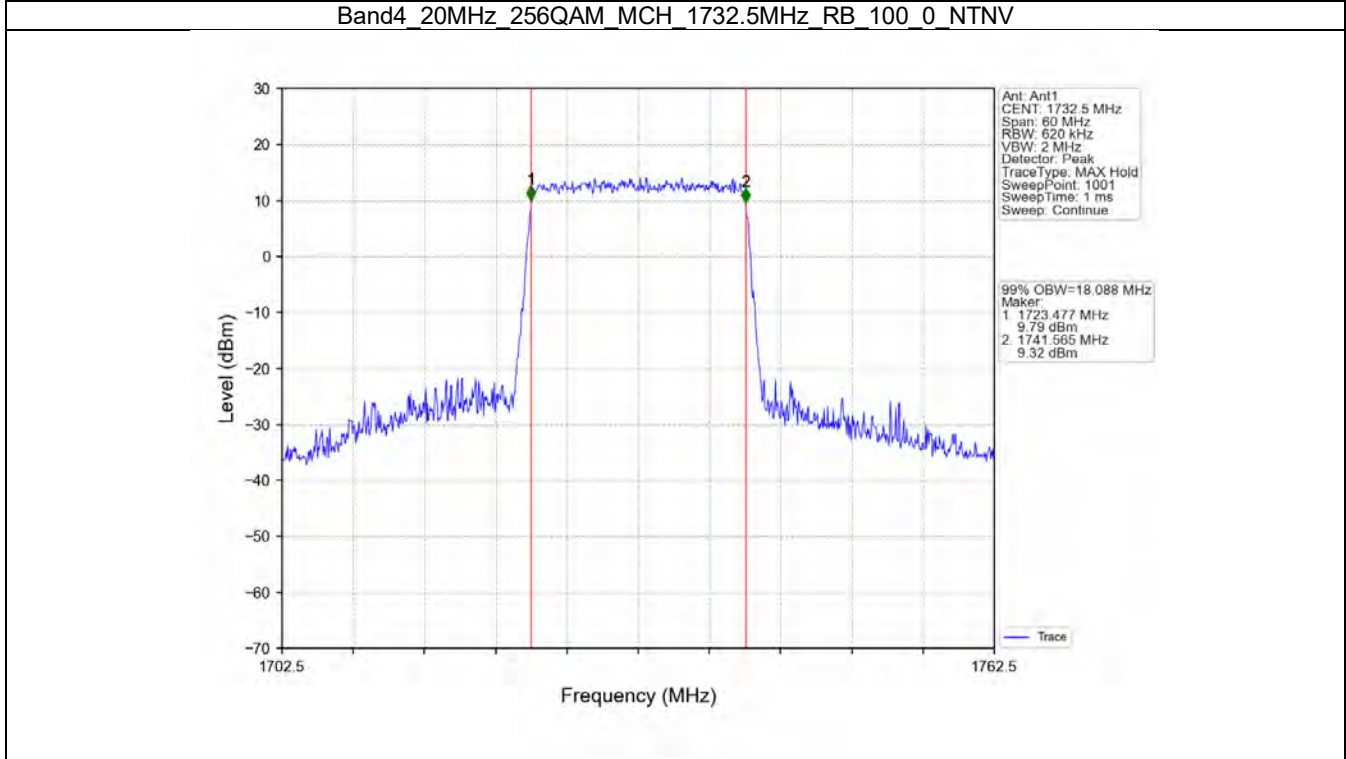
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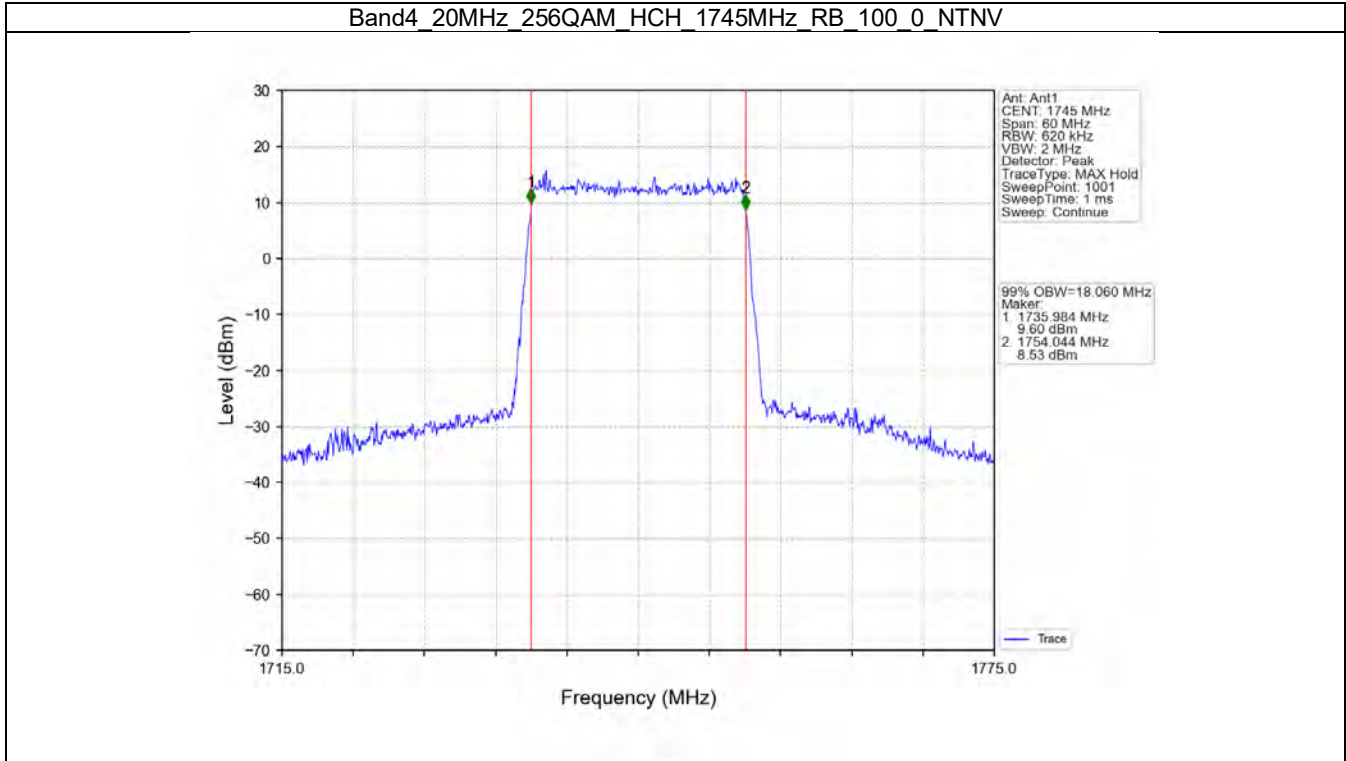
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3.2 Band4_XDB

3.2.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.341	/	Pass
		1732.5	6	0	1.331	/	Pass
		1754.3	6	0	1.306	/	Pass
	16QAM	1710.7	6	0	1.339	/	Pass
		1732.5	6	0	1.308	/	Pass
		1754.3	6	0	1.294	/	Pass
	64QAM	1710.7	6	0	1.331	/	Pass
		1732.5	6	0	1.309	/	Pass
		1754.3	6	0	1.330	/	Pass
	256QAM	1710.7	6	0	1.323	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.318	/	Pass
3	QPSK	1711.5	15	0	3.026	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	3.021	/	Pass
	16QAM	1711.5	15	0	3.014	/	Pass
		1732.5	15	0	3.022	/	Pass
		1753.5	15	0	3.010	/	Pass
	64QAM	1711.5	15	0	3.025	/	Pass
		1732.5	15	0	3.012	/	Pass
		1753.5	15	0	3.032	/	Pass
	256QAM	1711.5	15	0	3.044	/	Pass
		1732.5	15	0	3.014	/	Pass
		1753.5	15	0	3.043	/	Pass
5	QPSK	1712.5	25	0	5.031	/	Pass
		1732.5	25	0	5.083	/	Pass
		1752.5	25	0	5.064	/	Pass
	16QAM	1712.5	25	0	5.051	/	Pass
		1732.5	25	0	5.046	/	Pass
		1752.5	25	0	5.086	/	Pass
	64QAM	1712.5	25	0	5.032	/	Pass
		1732.5	25	0	5.042	/	Pass
		1752.5	25	0	5.046	/	Pass
	256QAM	1712.5	25	0	5.063	/	Pass
		1732.5	25	0	5.032	/	Pass
		1752.5	25	0	5.077	/	Pass
10	QPSK	1715	50	0	9.994	/	Pass
		1732.5	50	0	10.019	/	Pass
		1750	50	0	9.987	/	Pass
	16QAM	1715	50	0	9.921	/	Pass
		1732.5	50	0	9.998	/	Pass



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	64QAM	1750	50	0	10.012	/	Pass
		1715	50	0	9.970	/	Pass
		1732.5	50	0	9.985	/	Pass
	256QAM	1750	50	0	10.034	/	Pass
		1715	50	0	9.958	/	Pass
		1732.5	50	0	10.027	/	Pass
15	QPSK	1717.5	75	0	14.927	/	Pass
		1732.5	75	0	14.873	/	Pass
		1747.5	75	0	14.939	/	Pass
	16QAM	1717.5	75	0	15.032	/	Pass
		1732.5	75	0	14.894	/	Pass
		1747.5	75	0	14.845	/	Pass
	64QAM	1717.5	75	0	14.913	/	Pass
		1732.5	75	0	14.963	/	Pass
		1747.5	75	0	14.896	/	Pass
	256QAM	1717.5	75	0	14.932	/	Pass
		1732.5	75	0	14.896	/	Pass
		1747.5	75	0	14.947	/	Pass
20	QPSK	1720	100	0	19.859	/	Pass
		1732.5	100	0	19.837	/	Pass
		1745	100	0	19.813	/	Pass
	16QAM	1720	100	0	19.817	/	Pass
		1732.5	100	0	19.797	/	Pass
		1745	100	0	19.788	/	Pass
	64QAM	1720	100	0	19.760	/	Pass
		1732.5	100	0	19.749	/	Pass
		1745	100	0	19.712	/	Pass
	256QAM	1720	100	0	19.856	/	Pass
		1732.5	100	0	19.772	/	Pass
		1745	100	0	19.734	/	Pass



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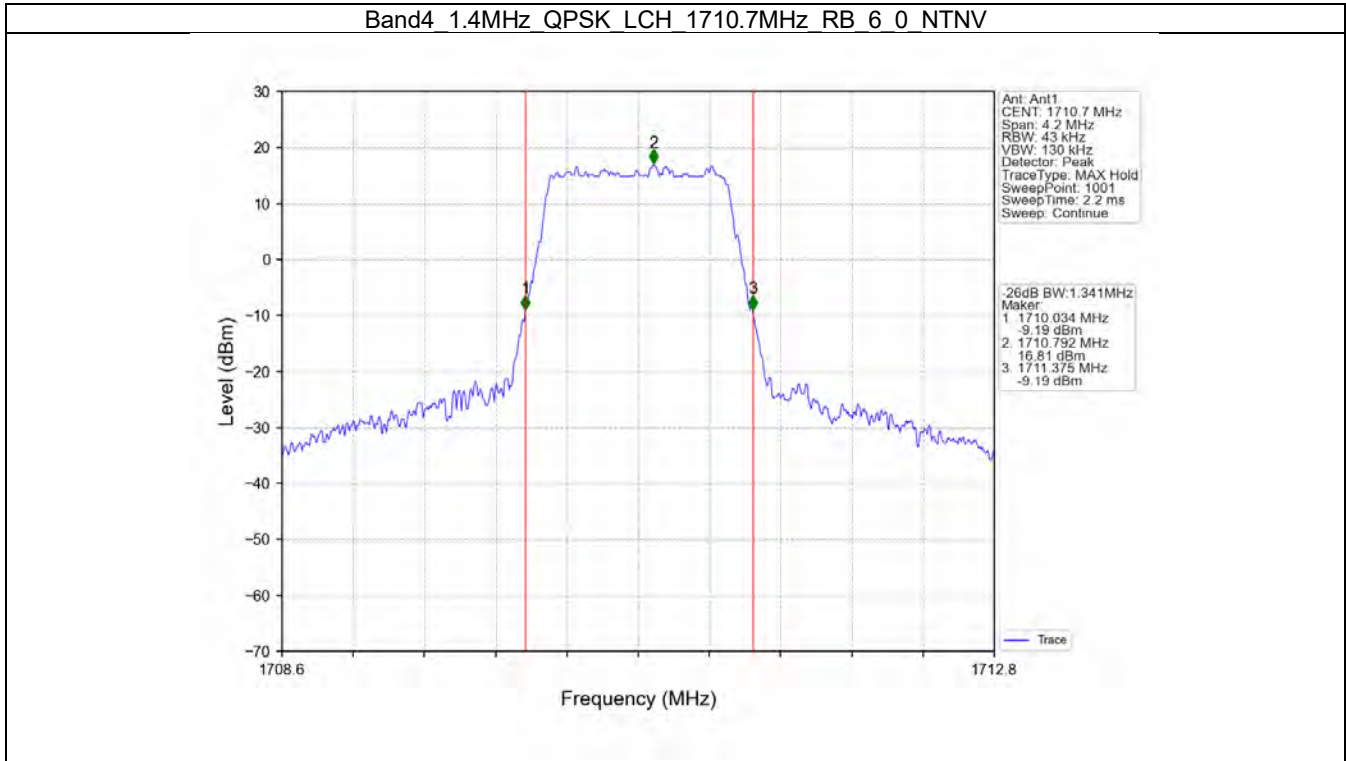
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3.2.2 Test Graph

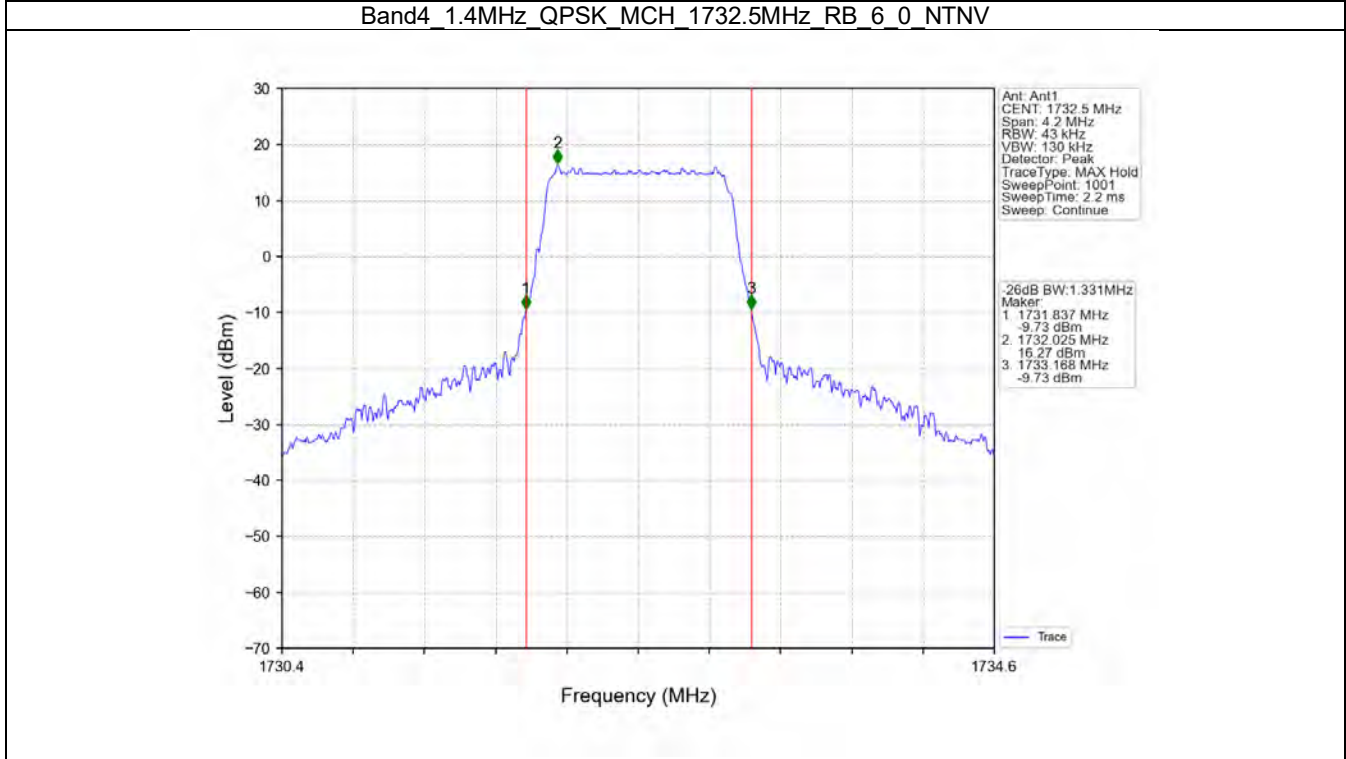


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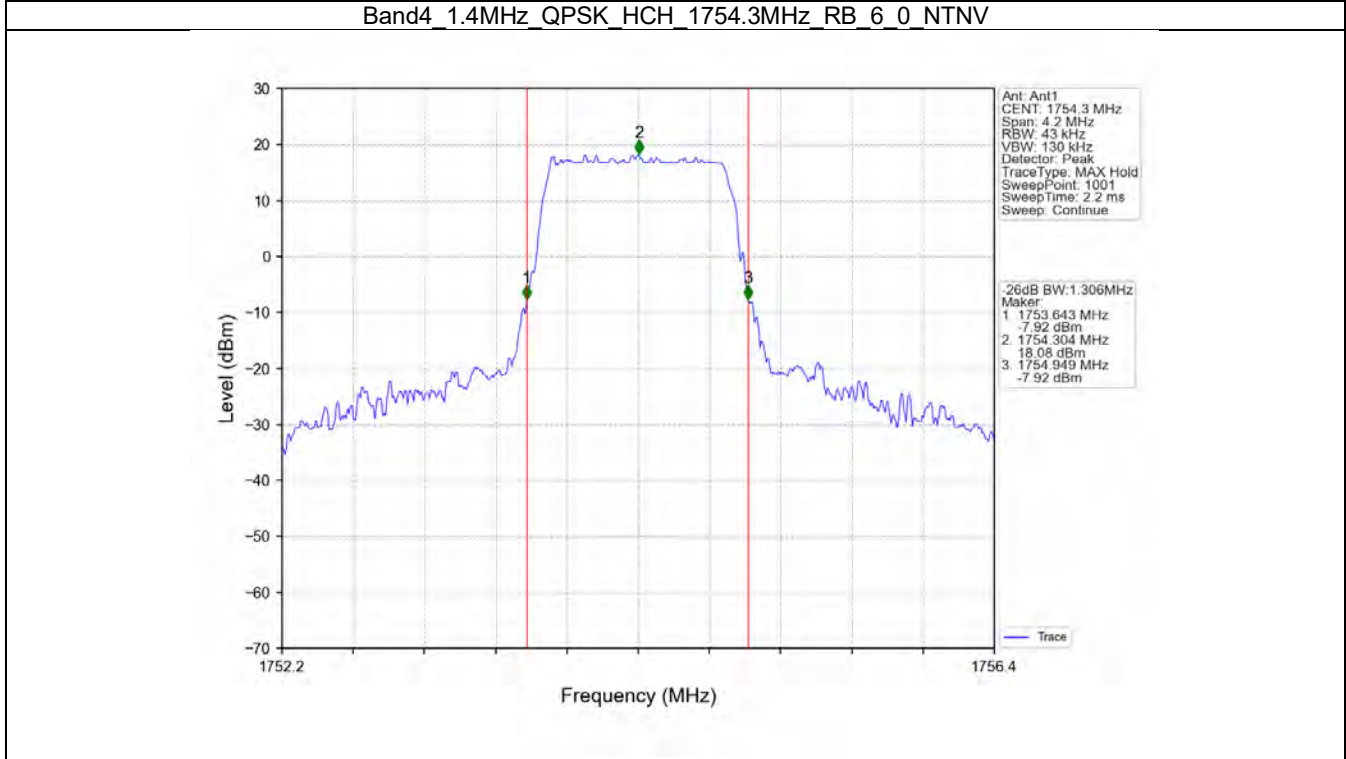
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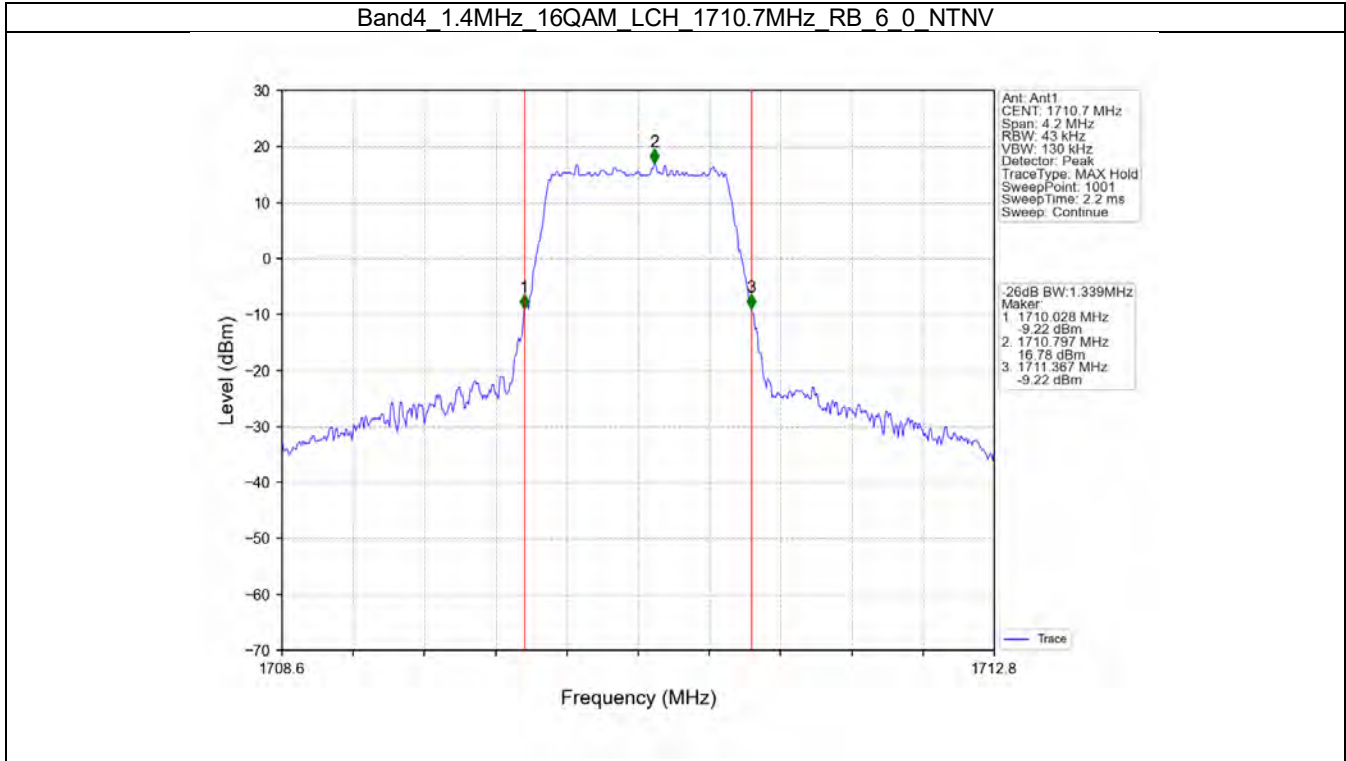
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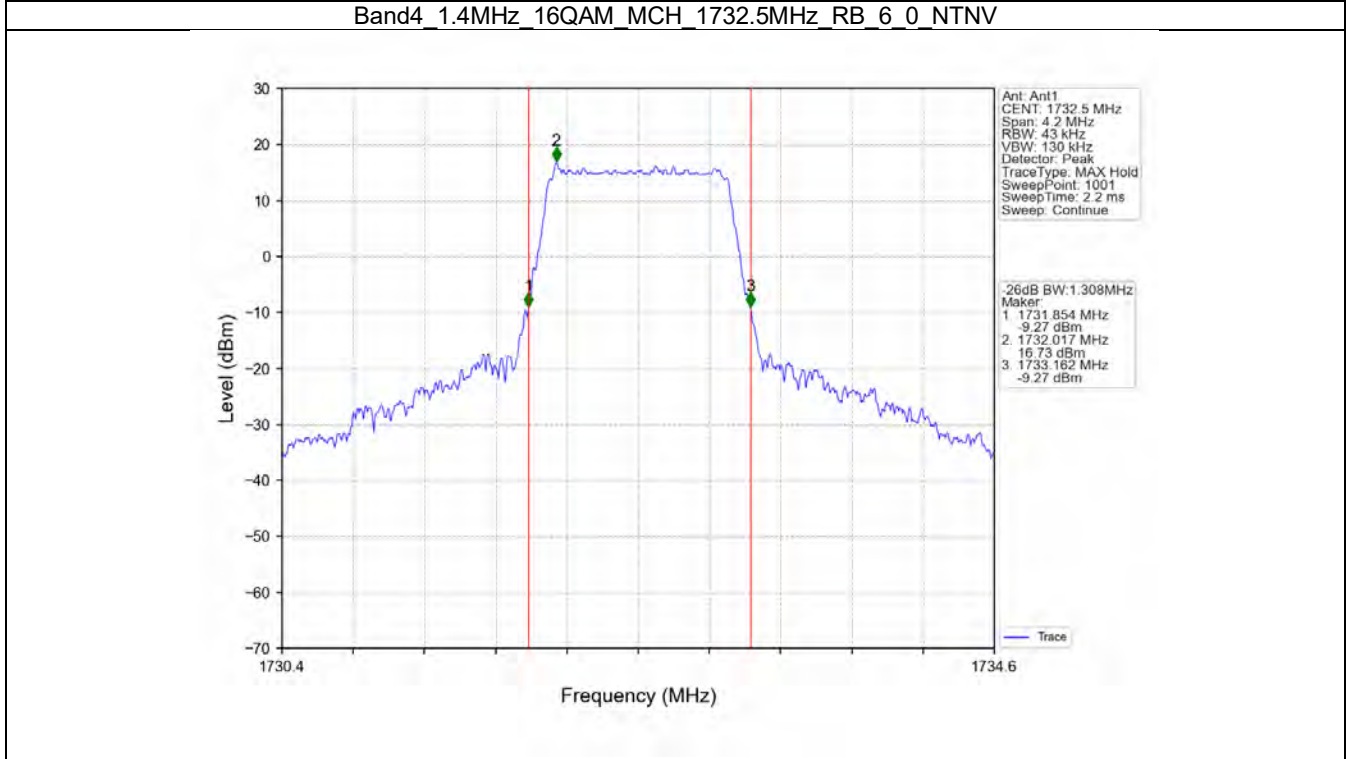
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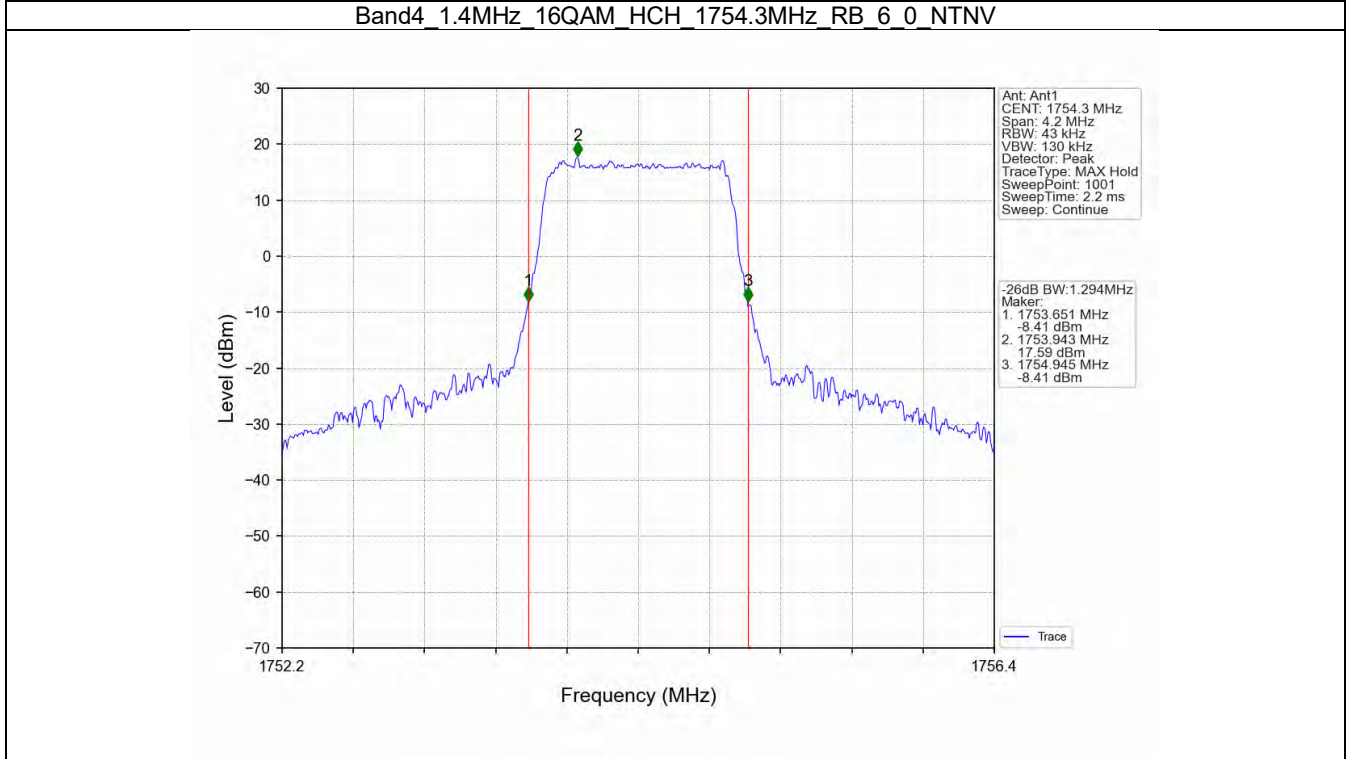
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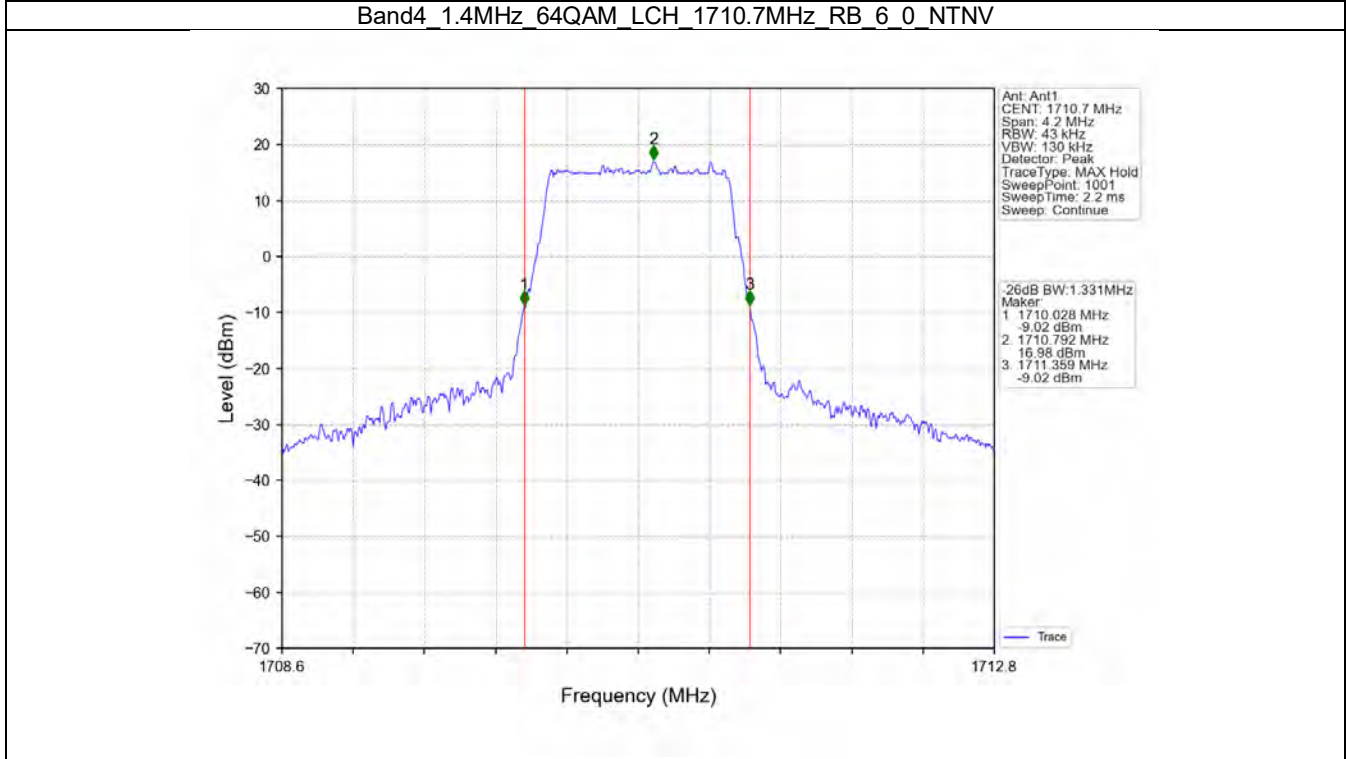
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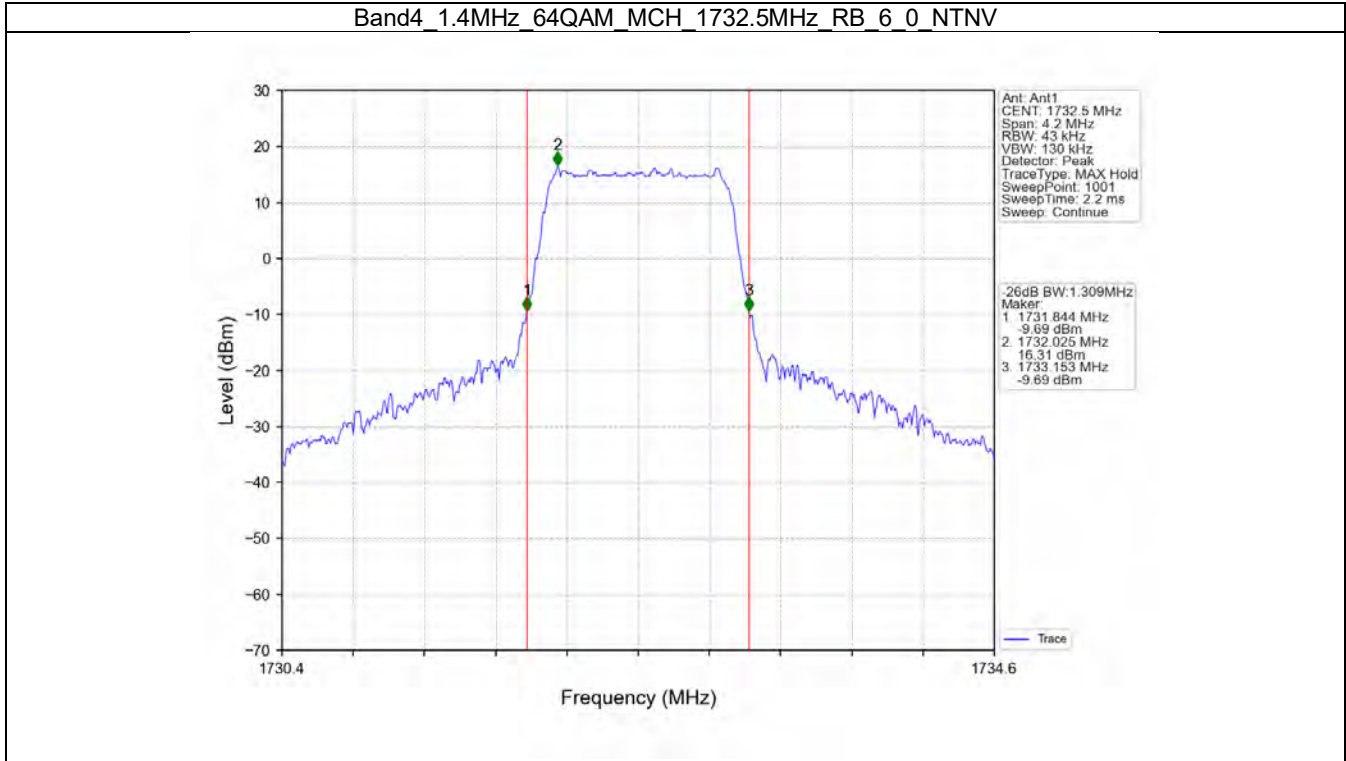
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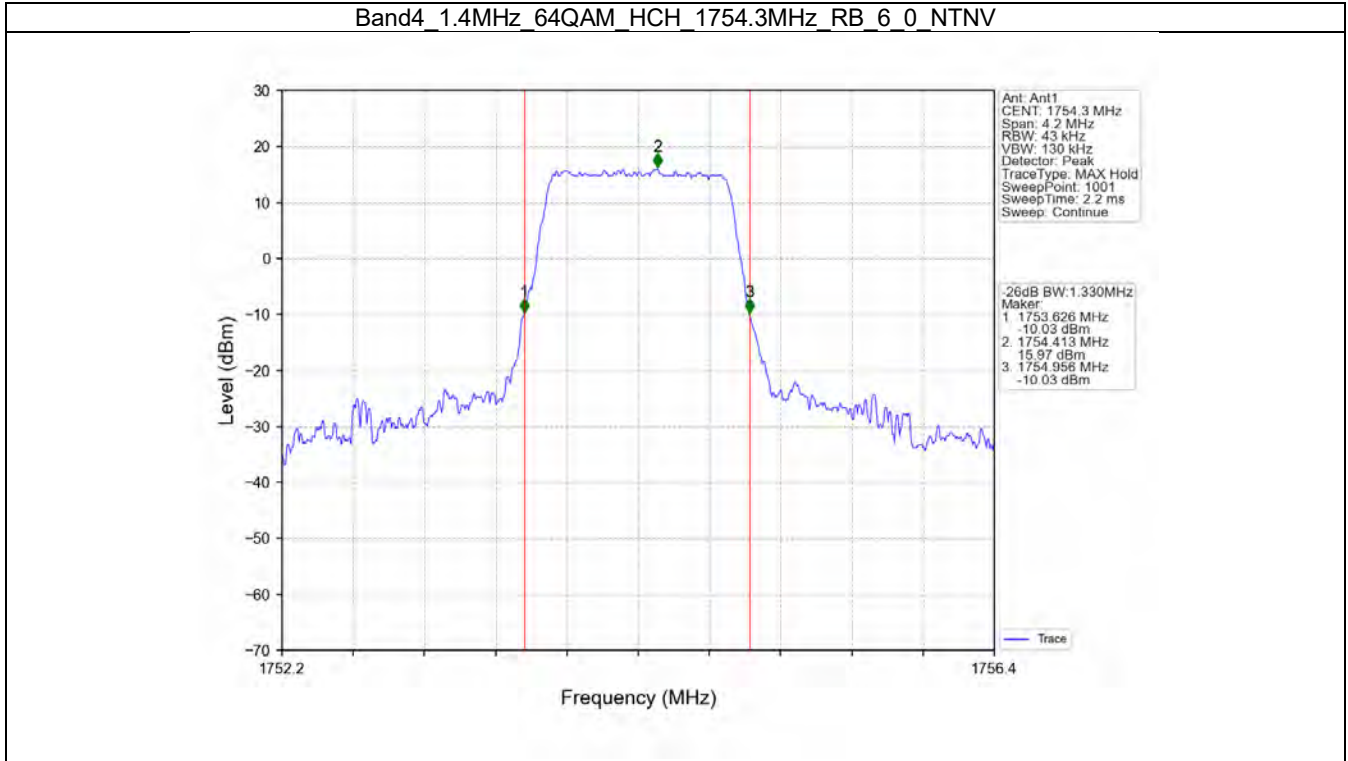
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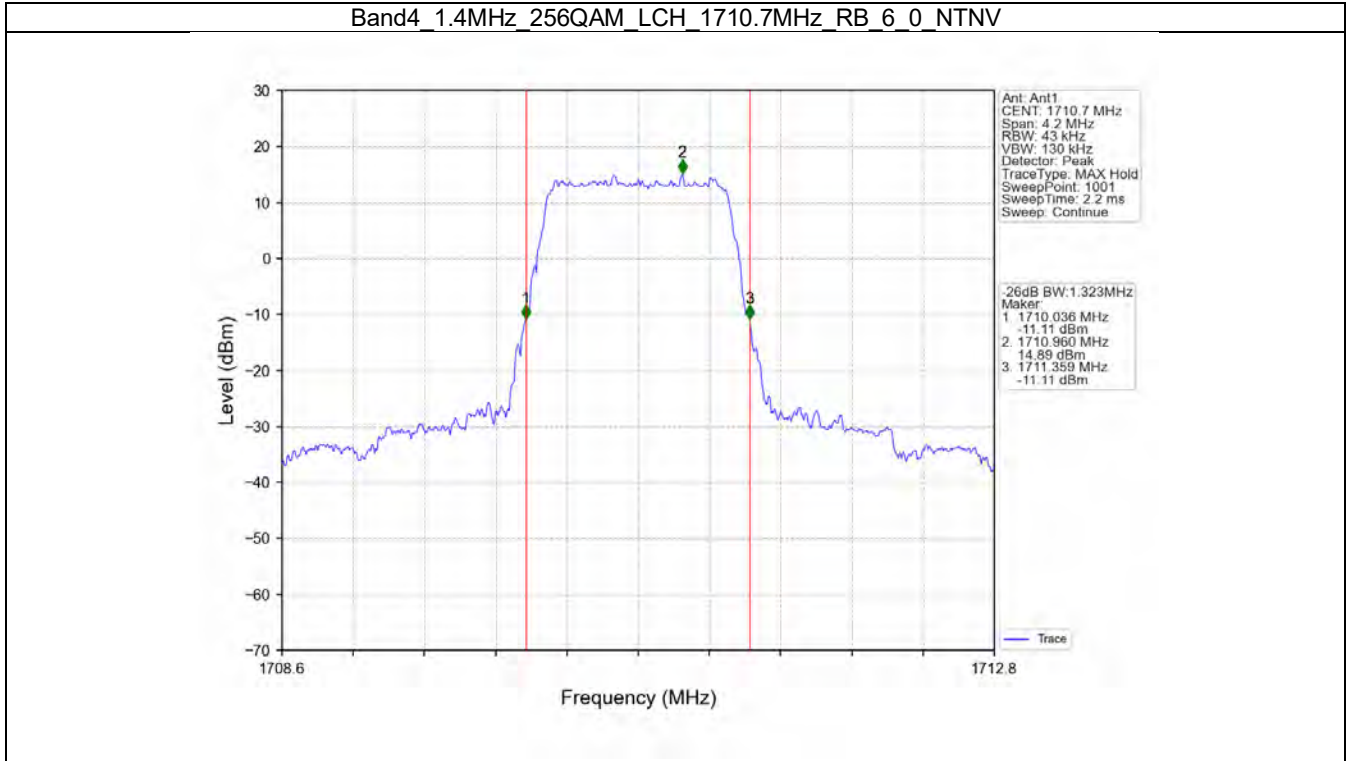
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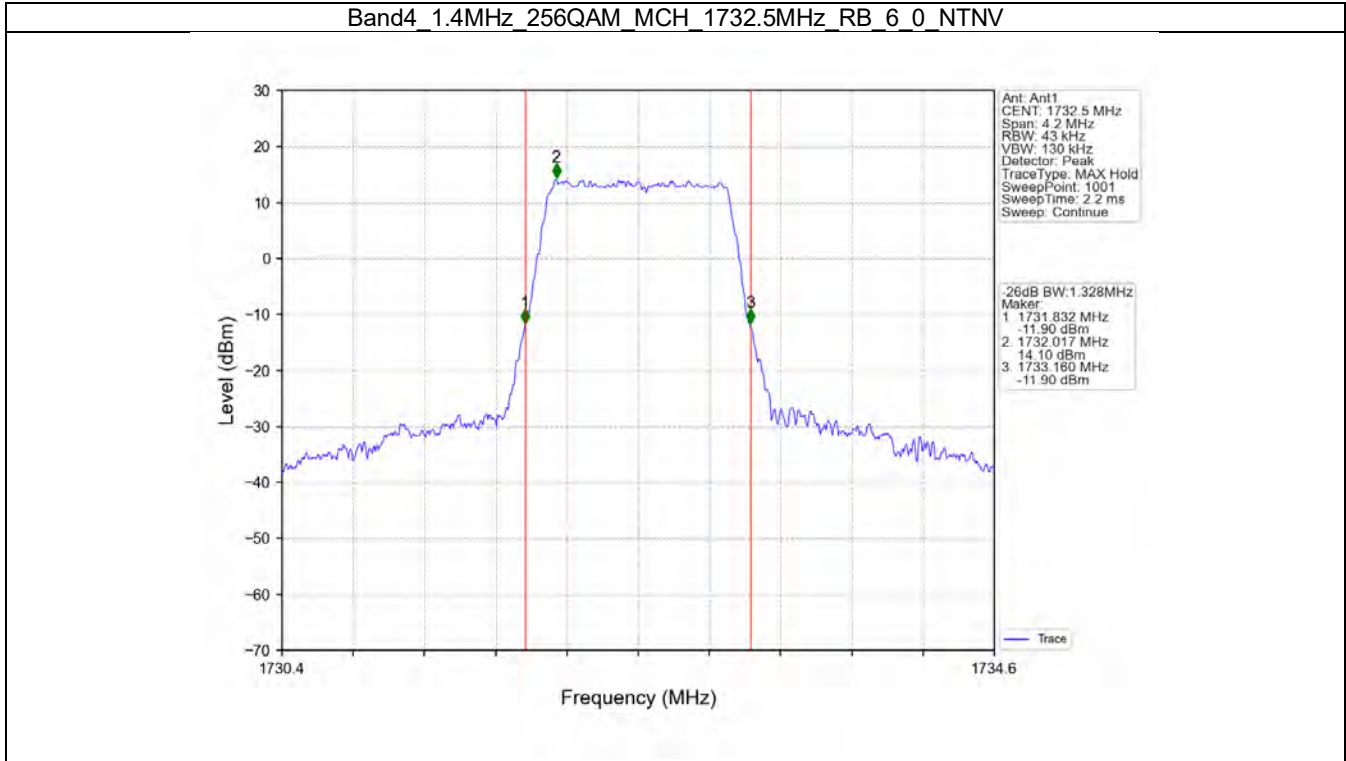


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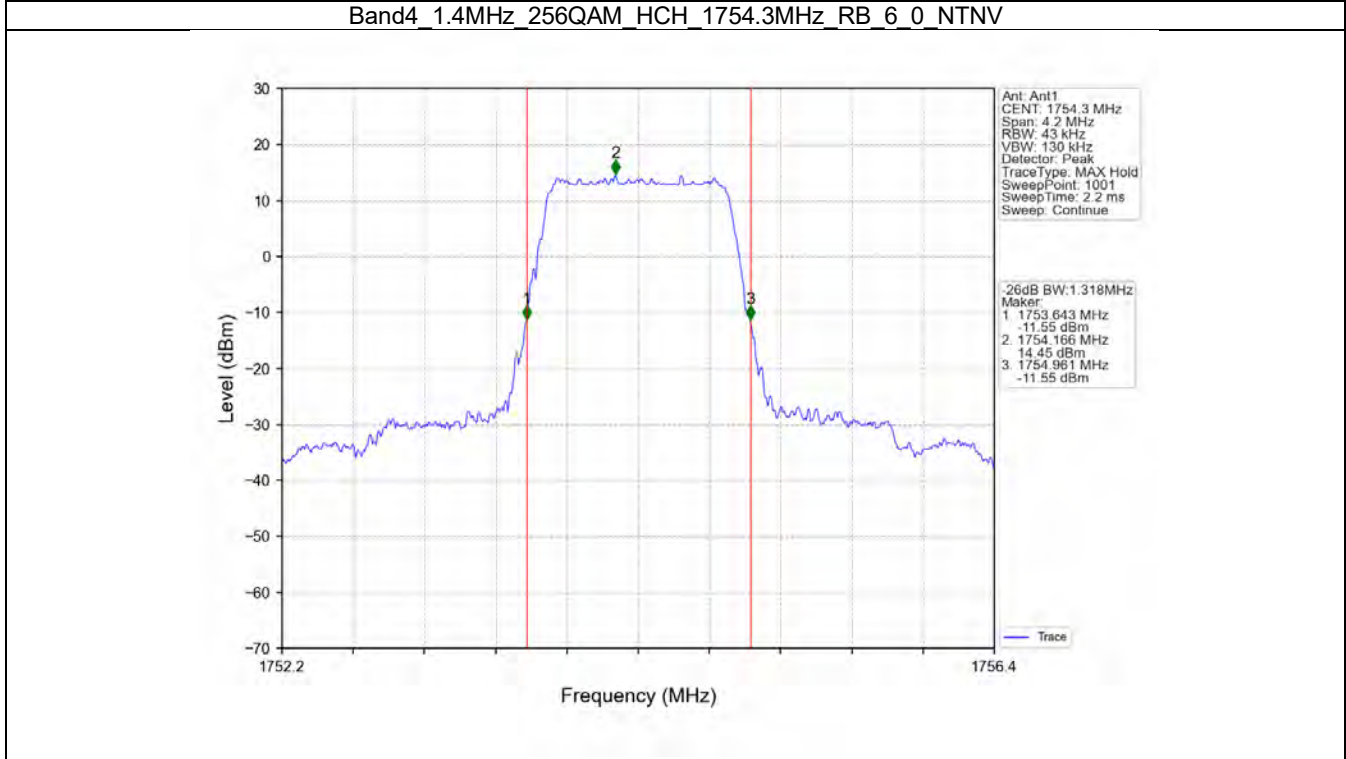
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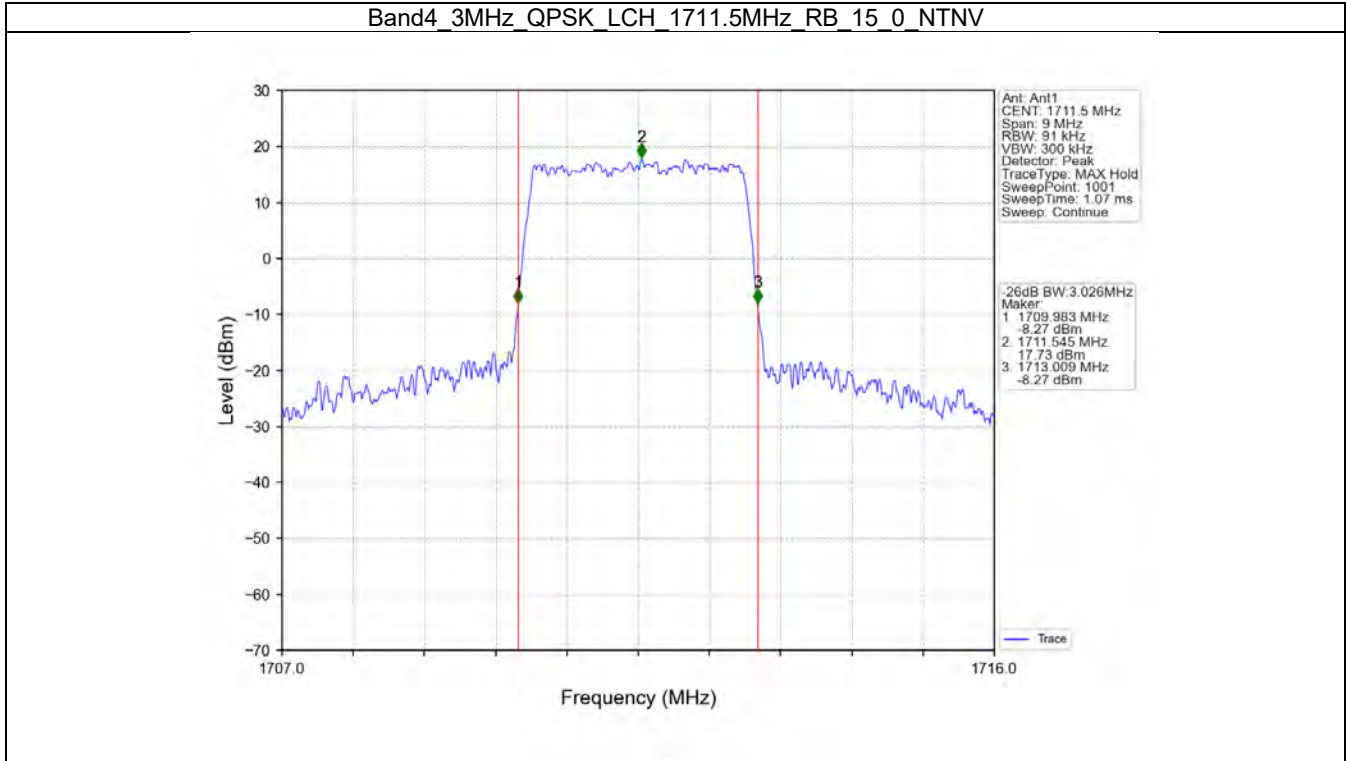
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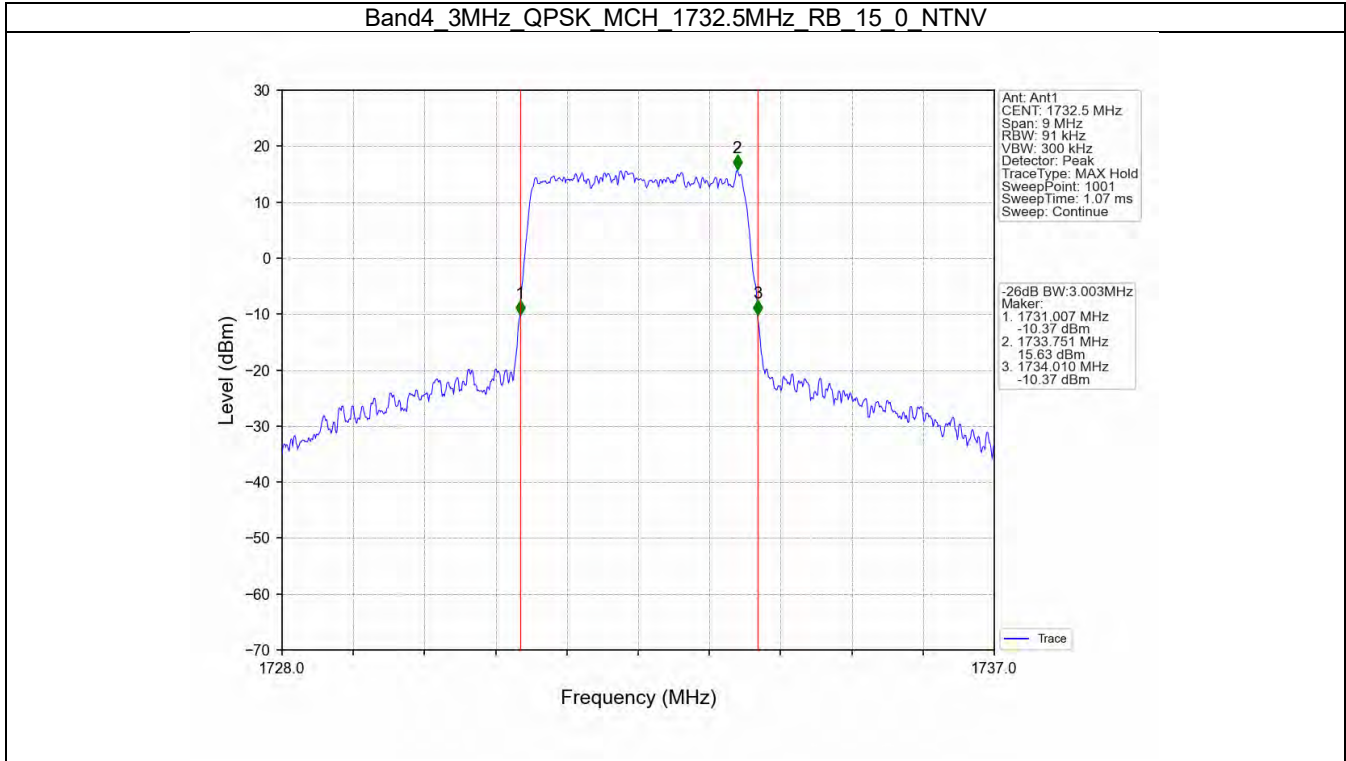
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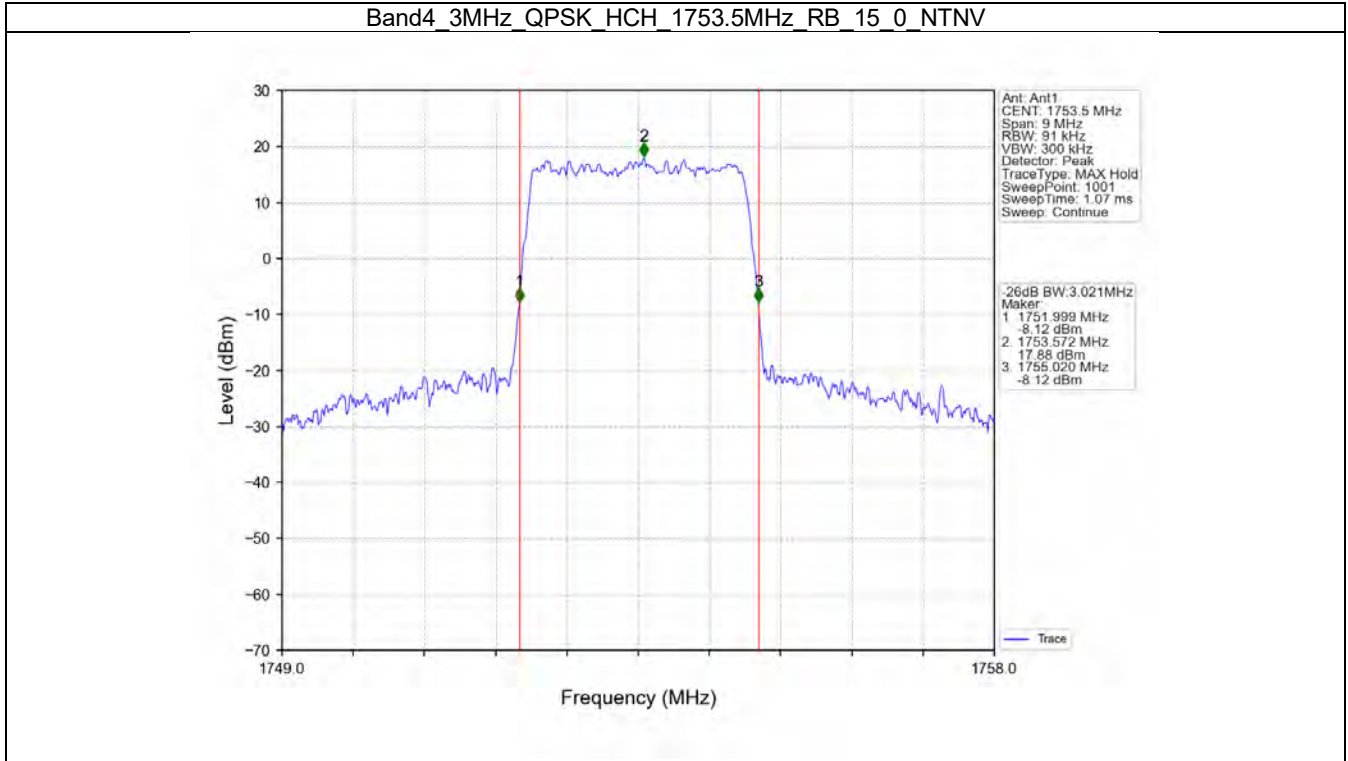
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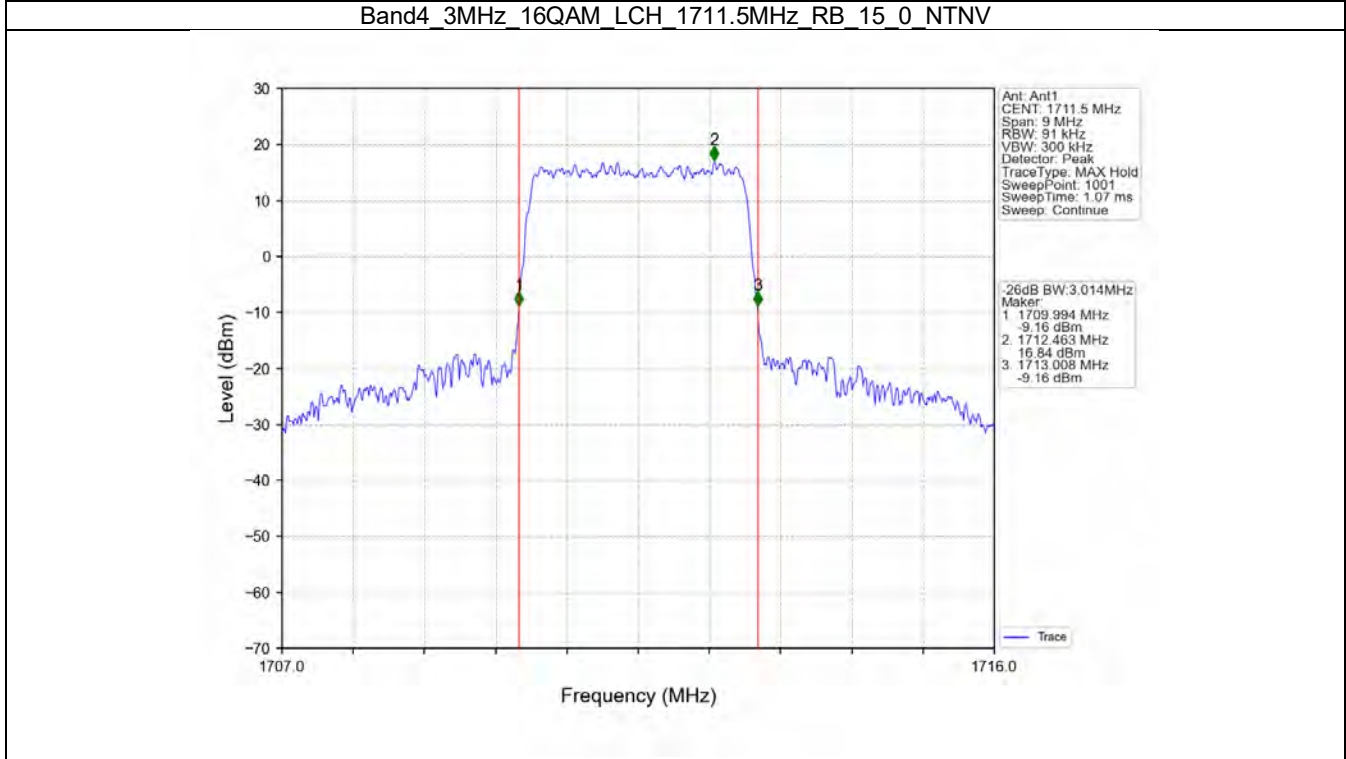
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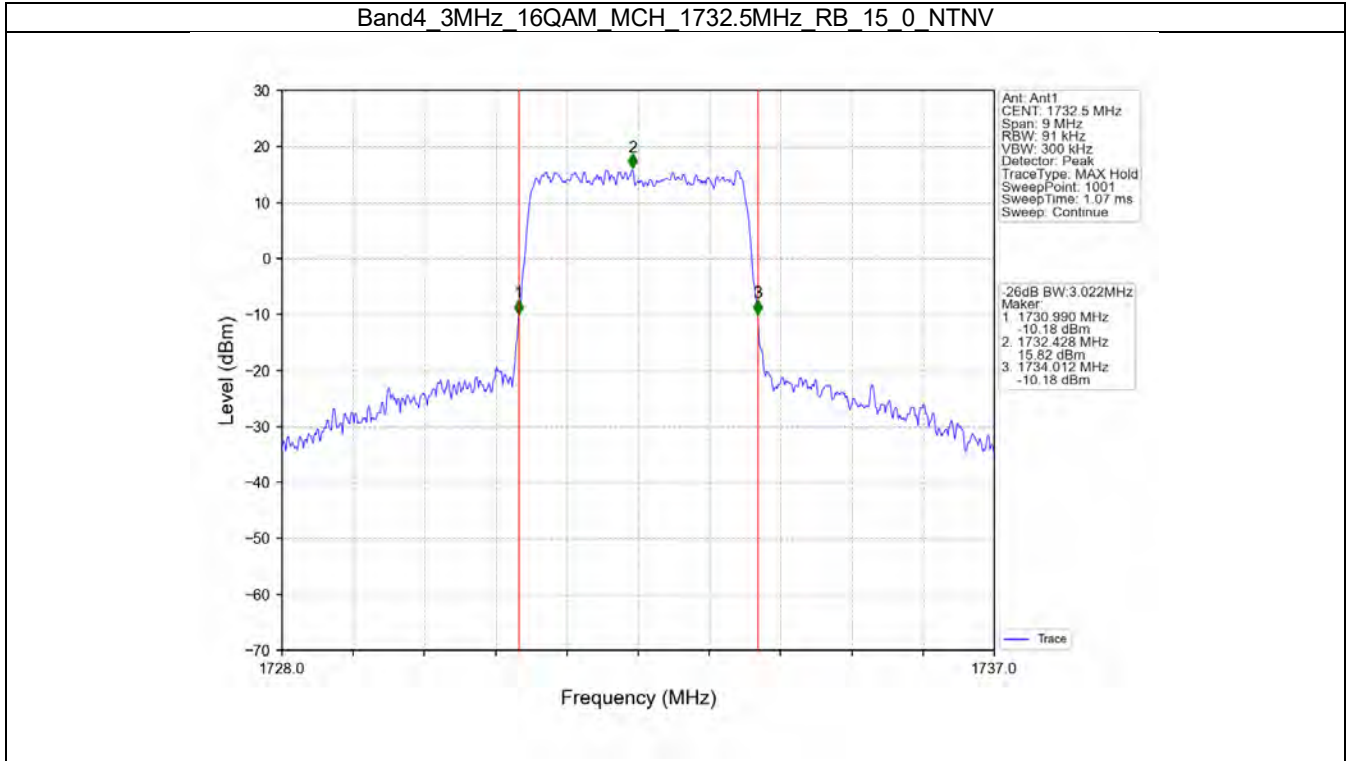
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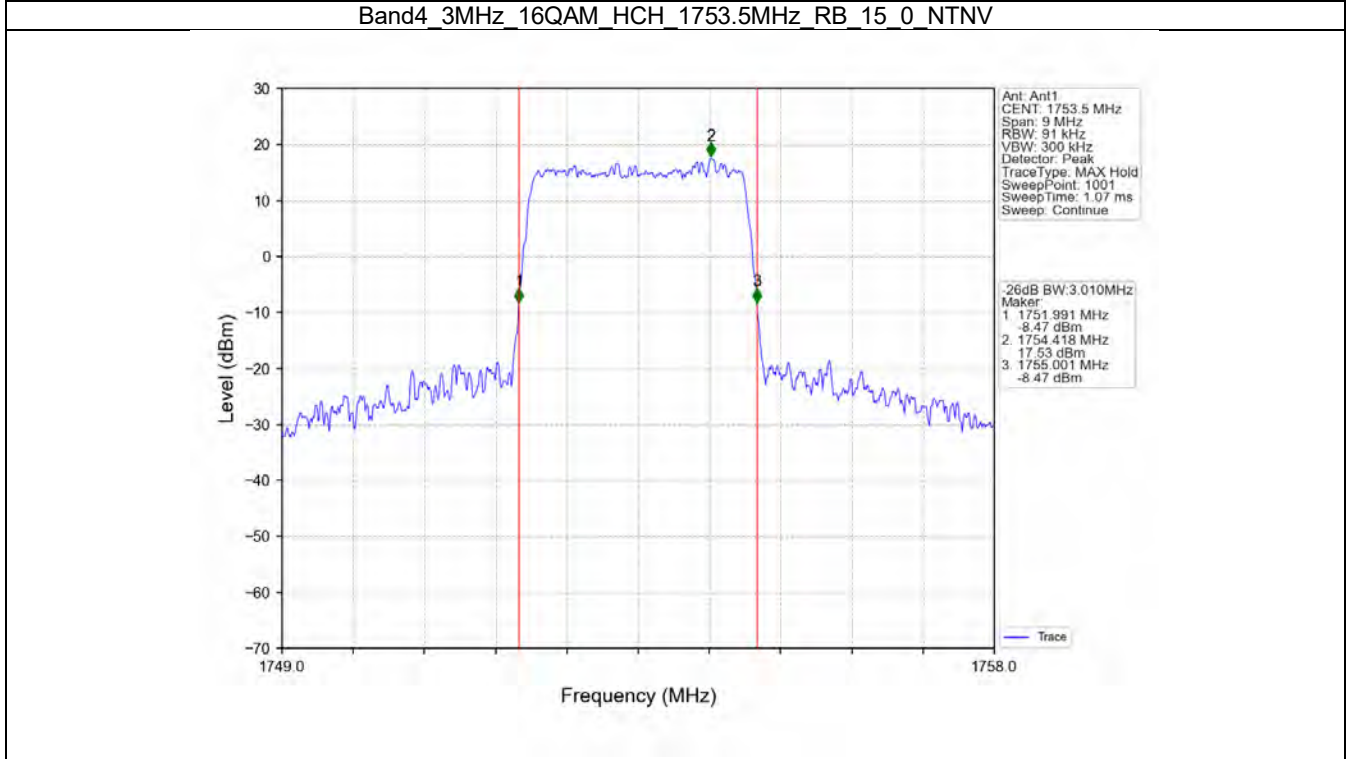
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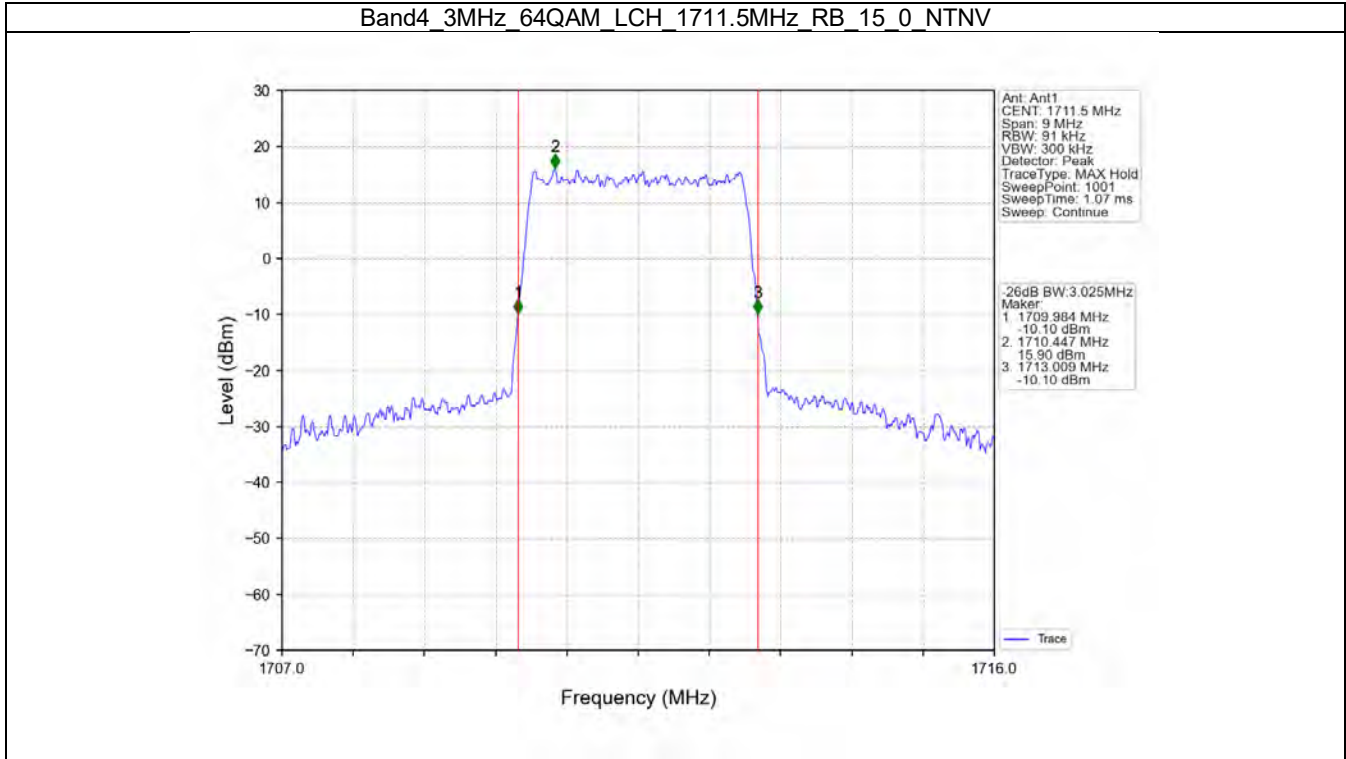
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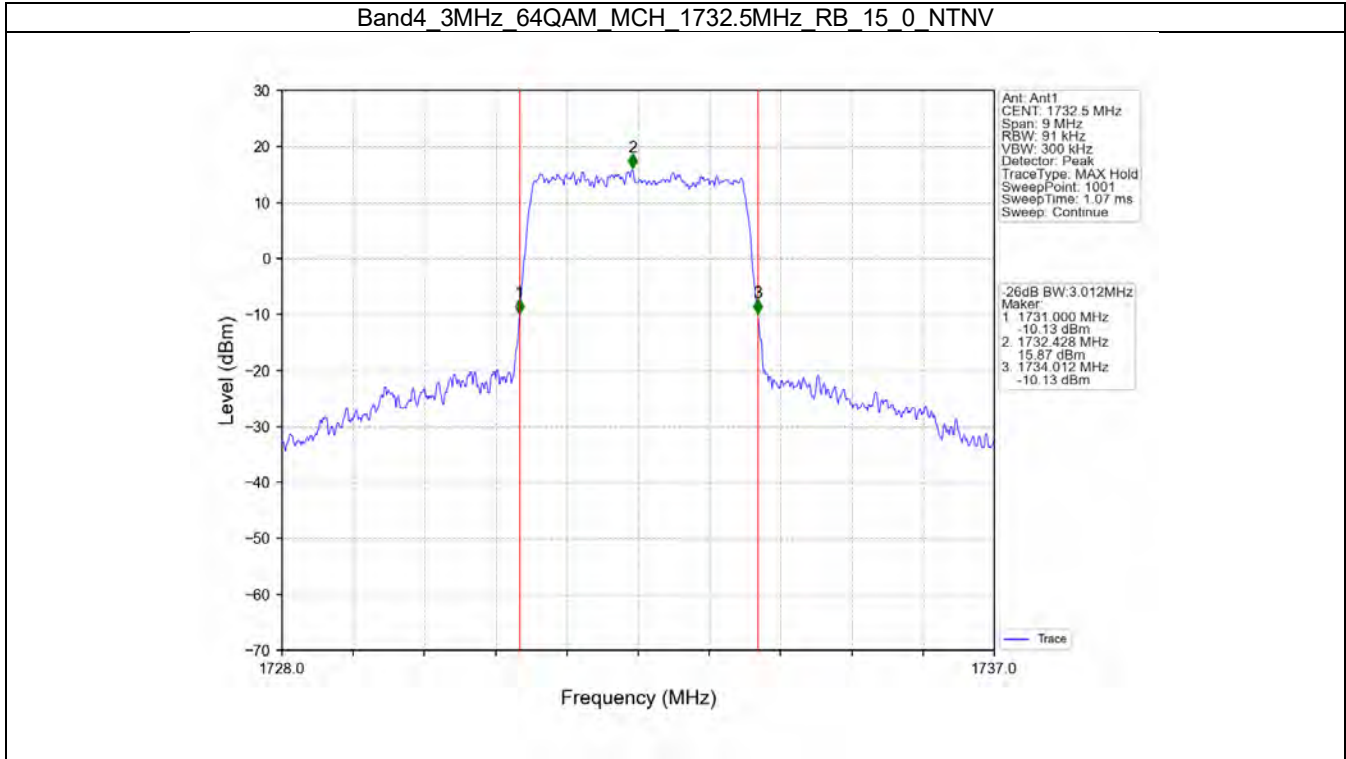
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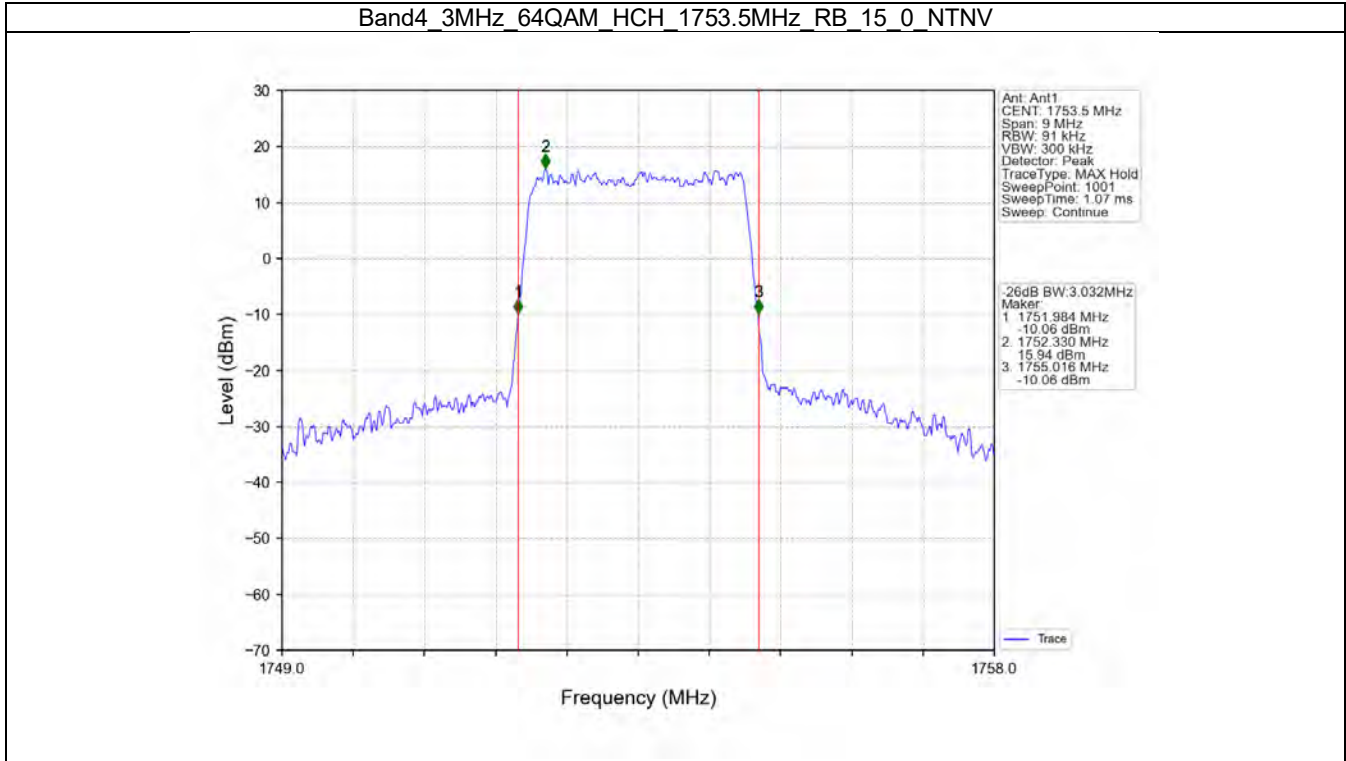
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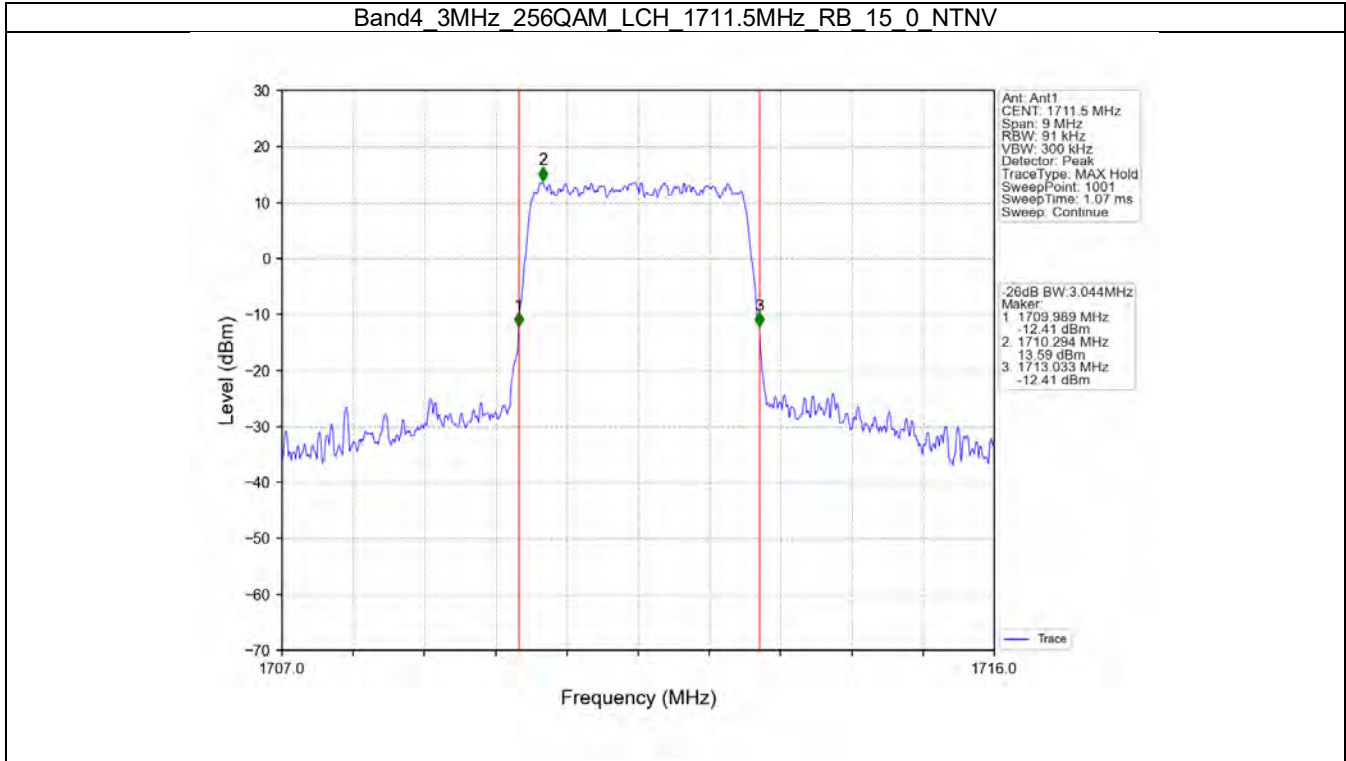
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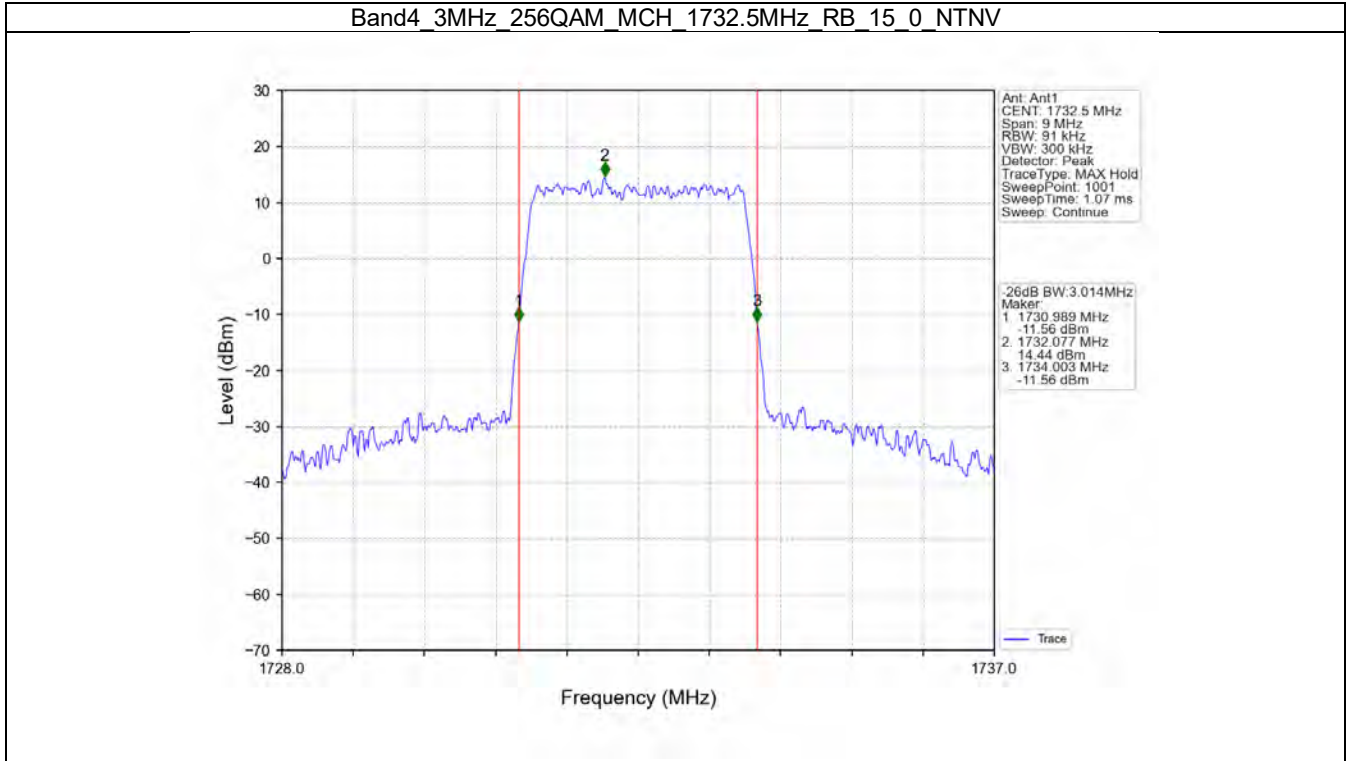
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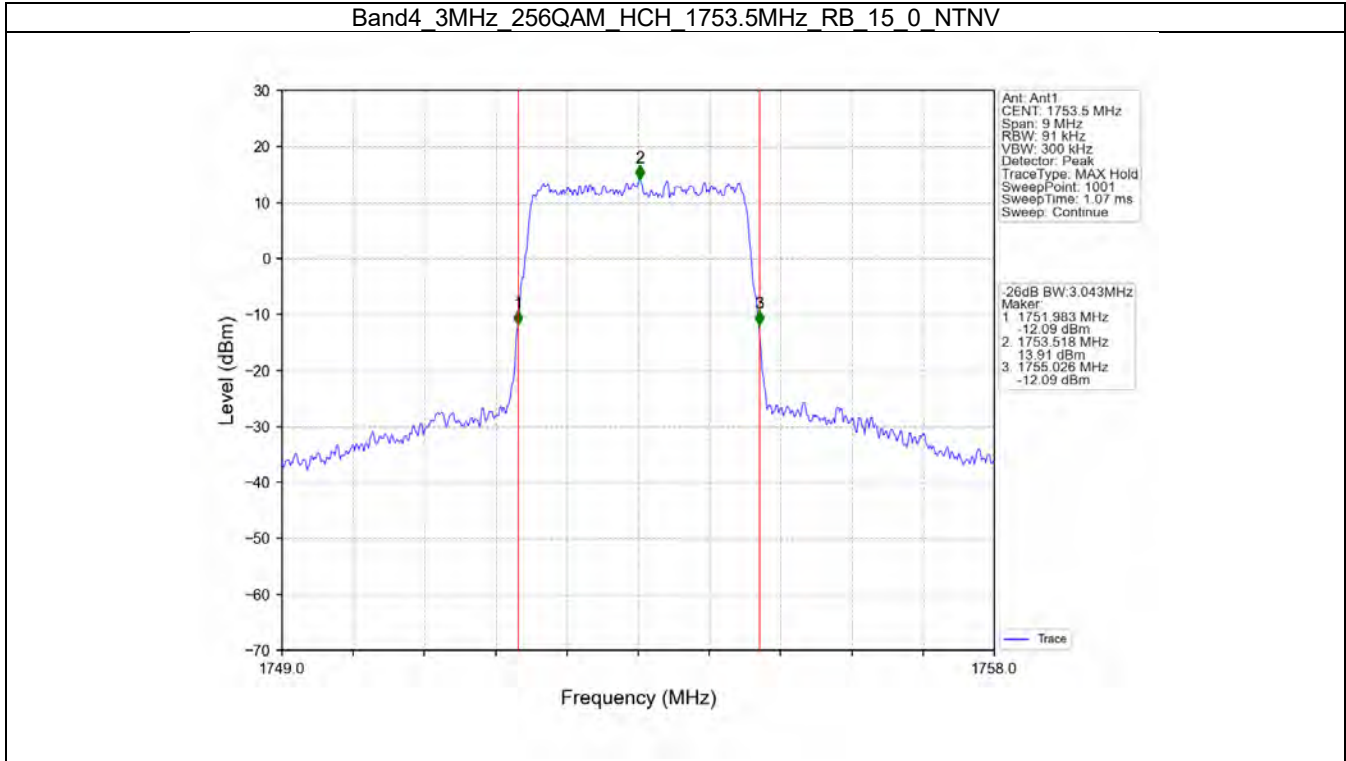
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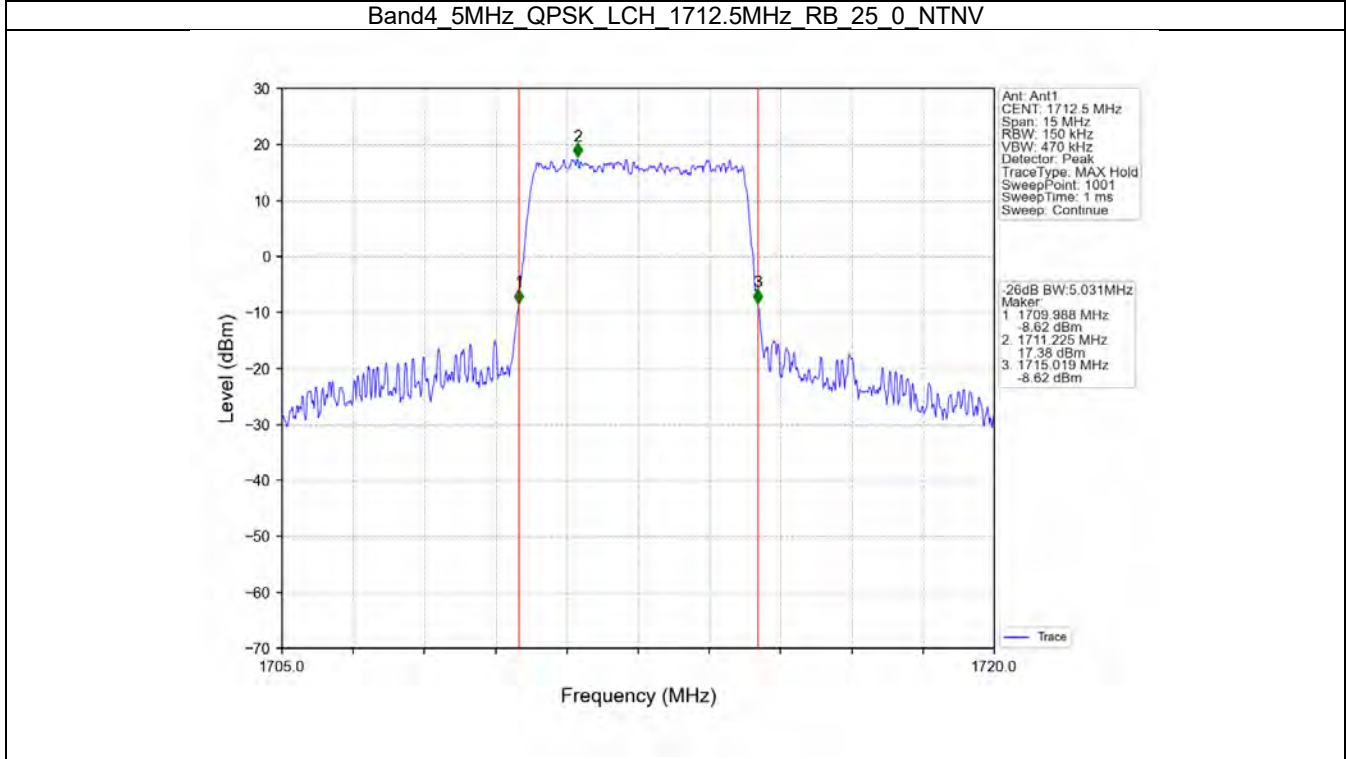


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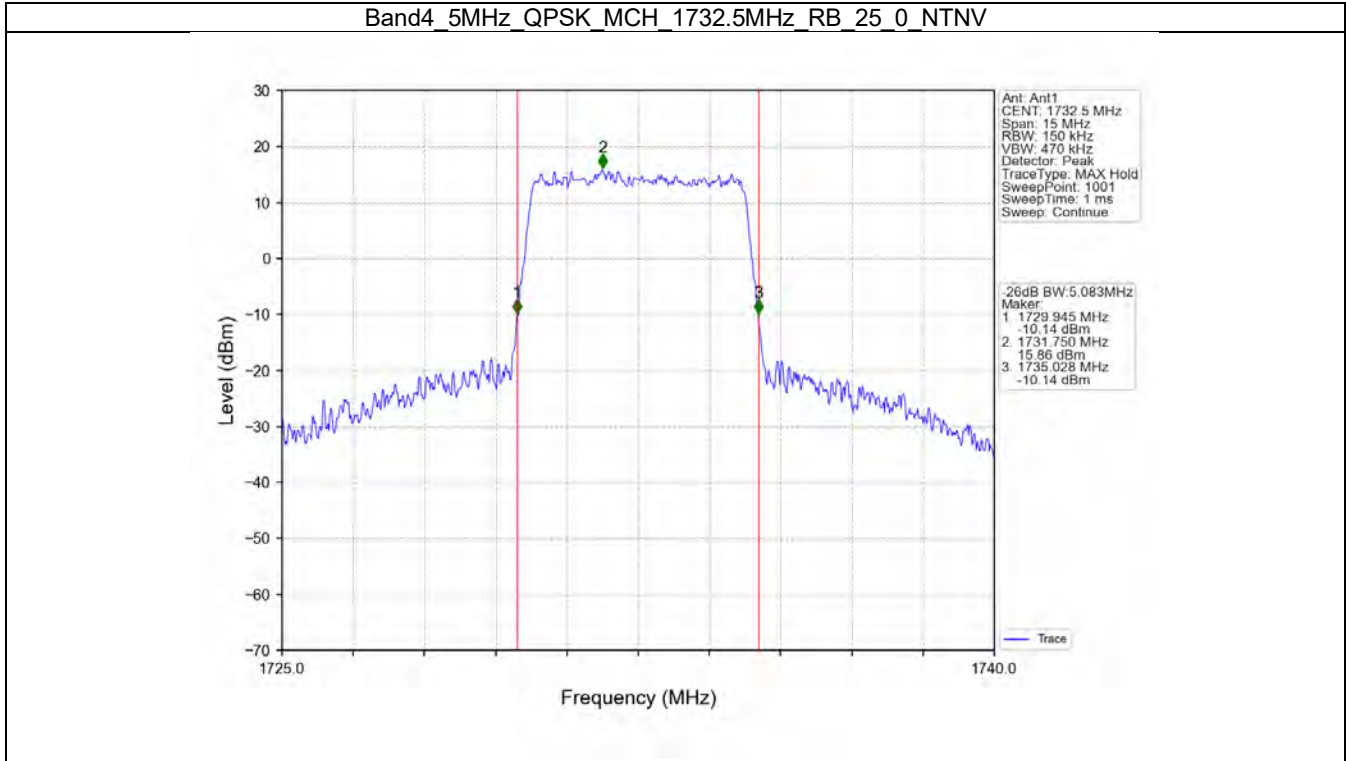
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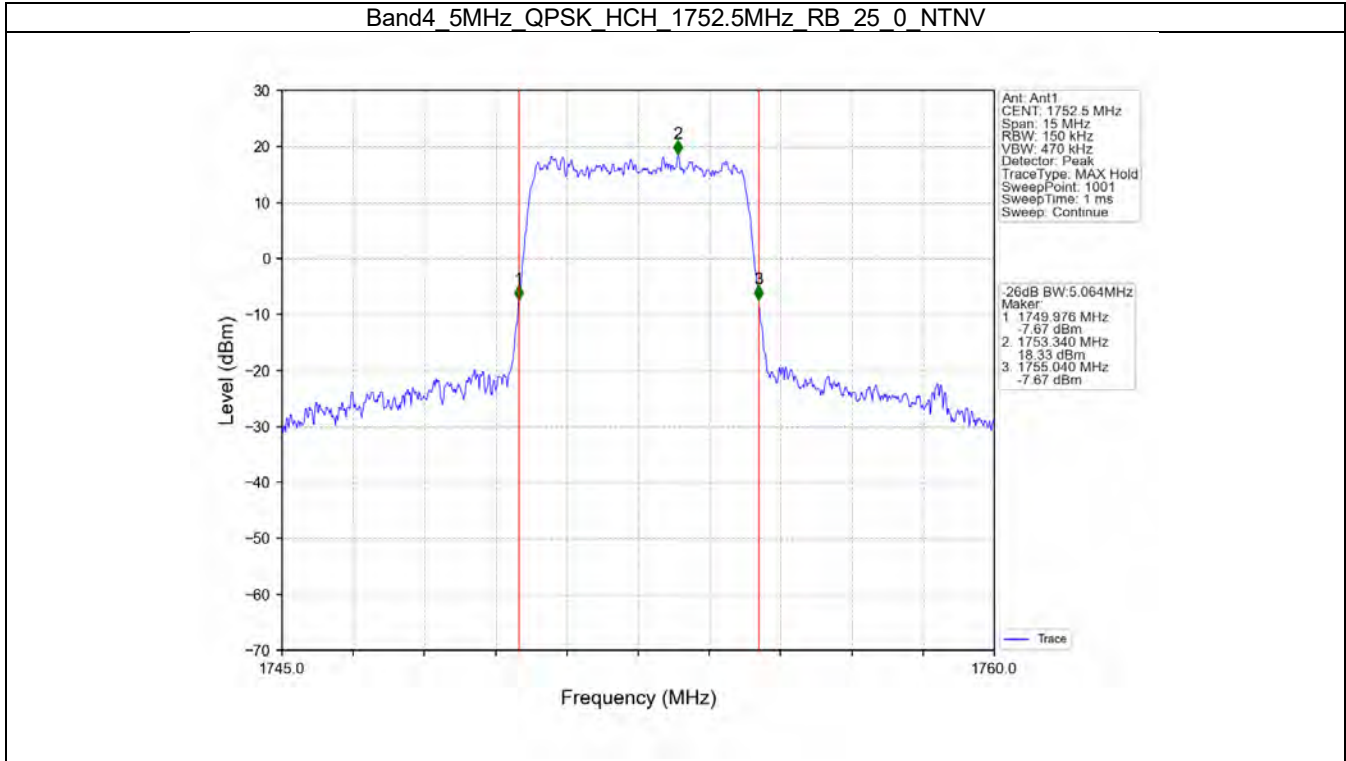
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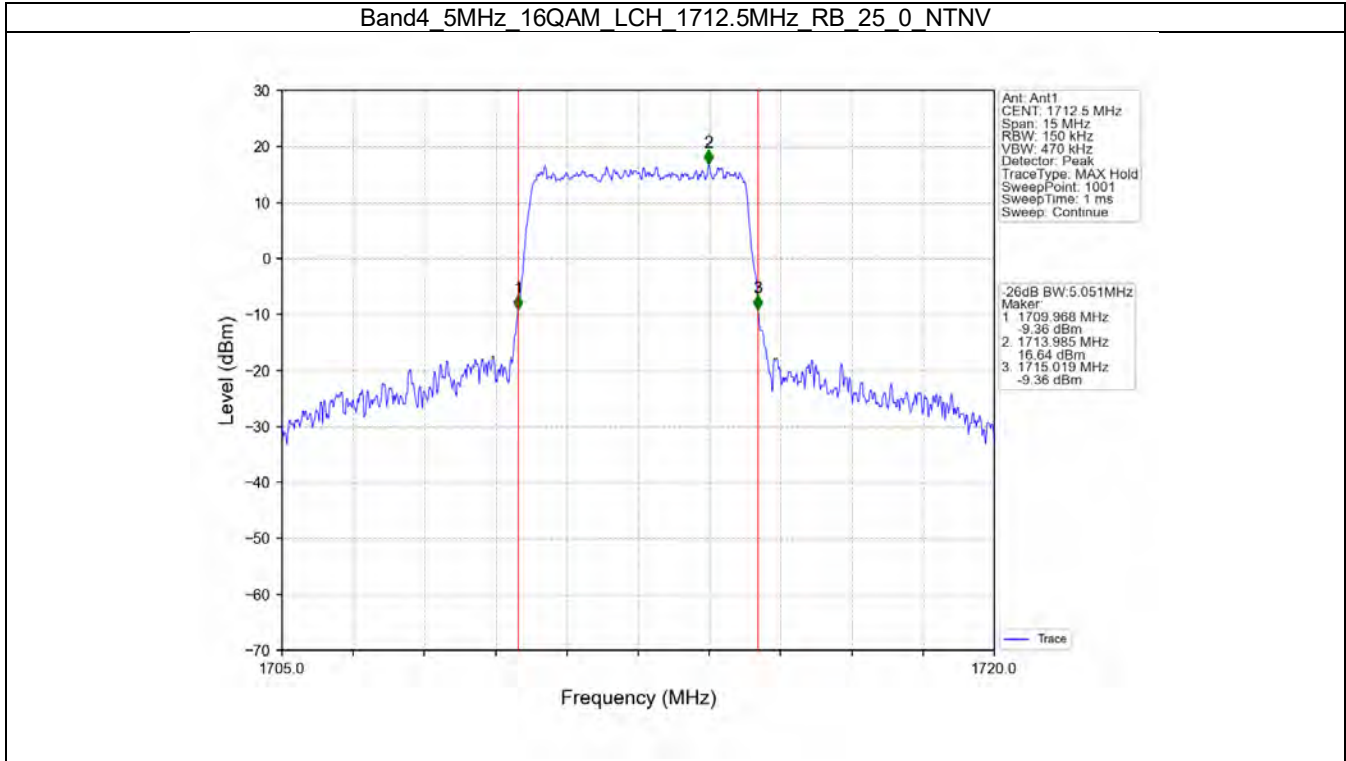
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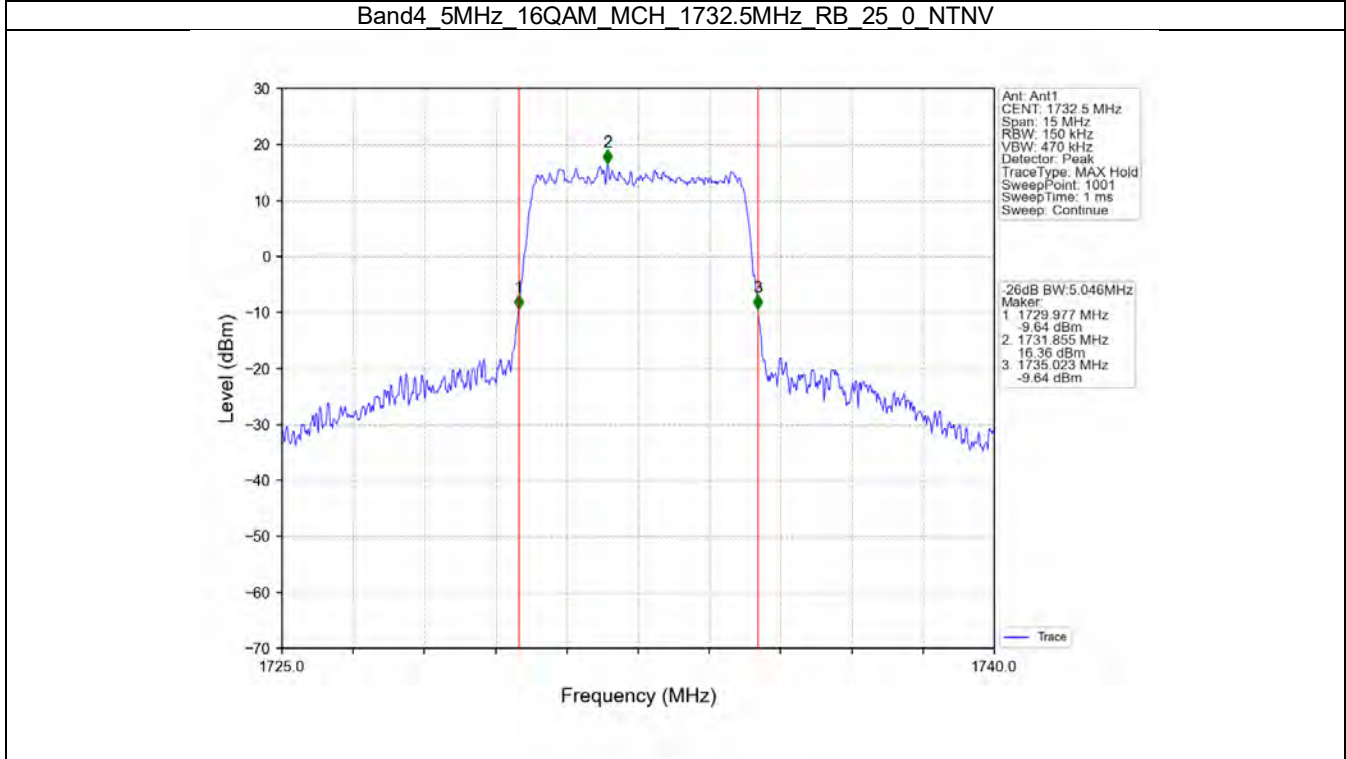
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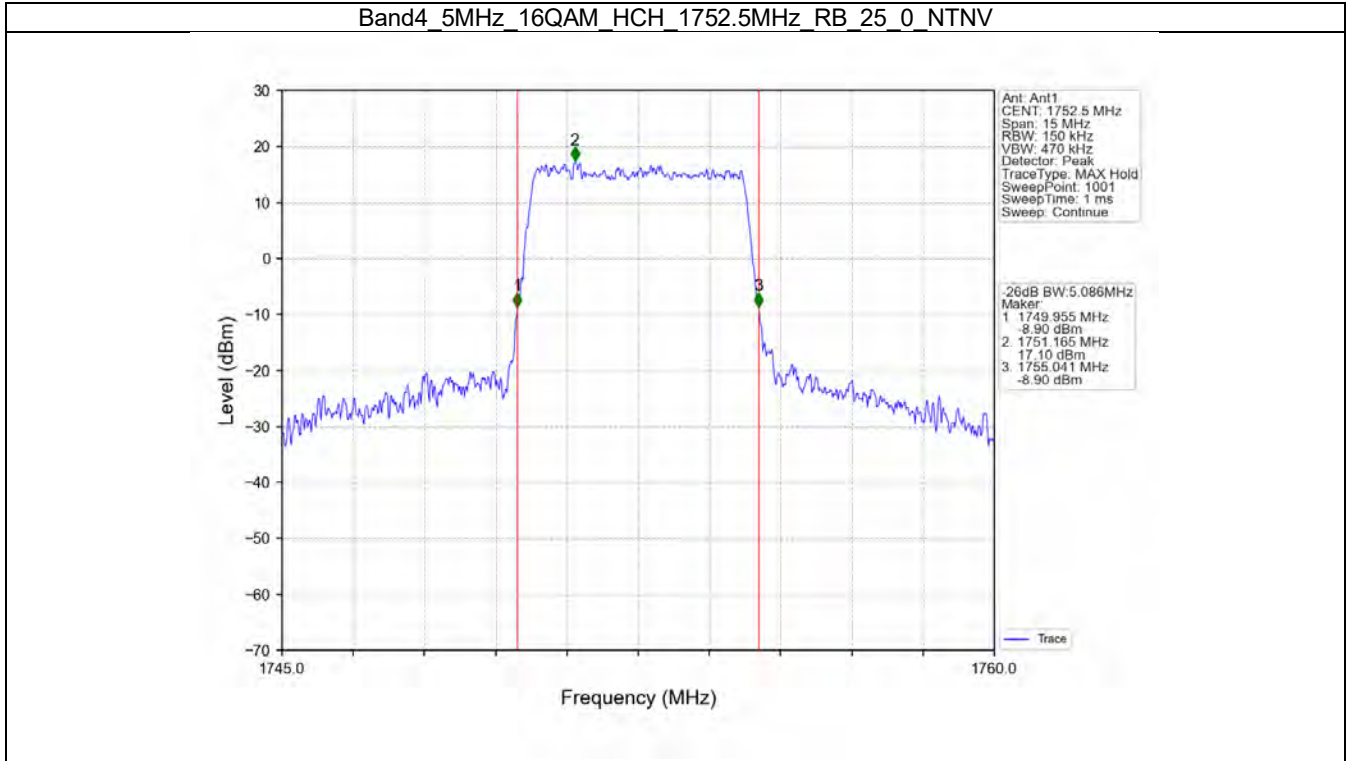
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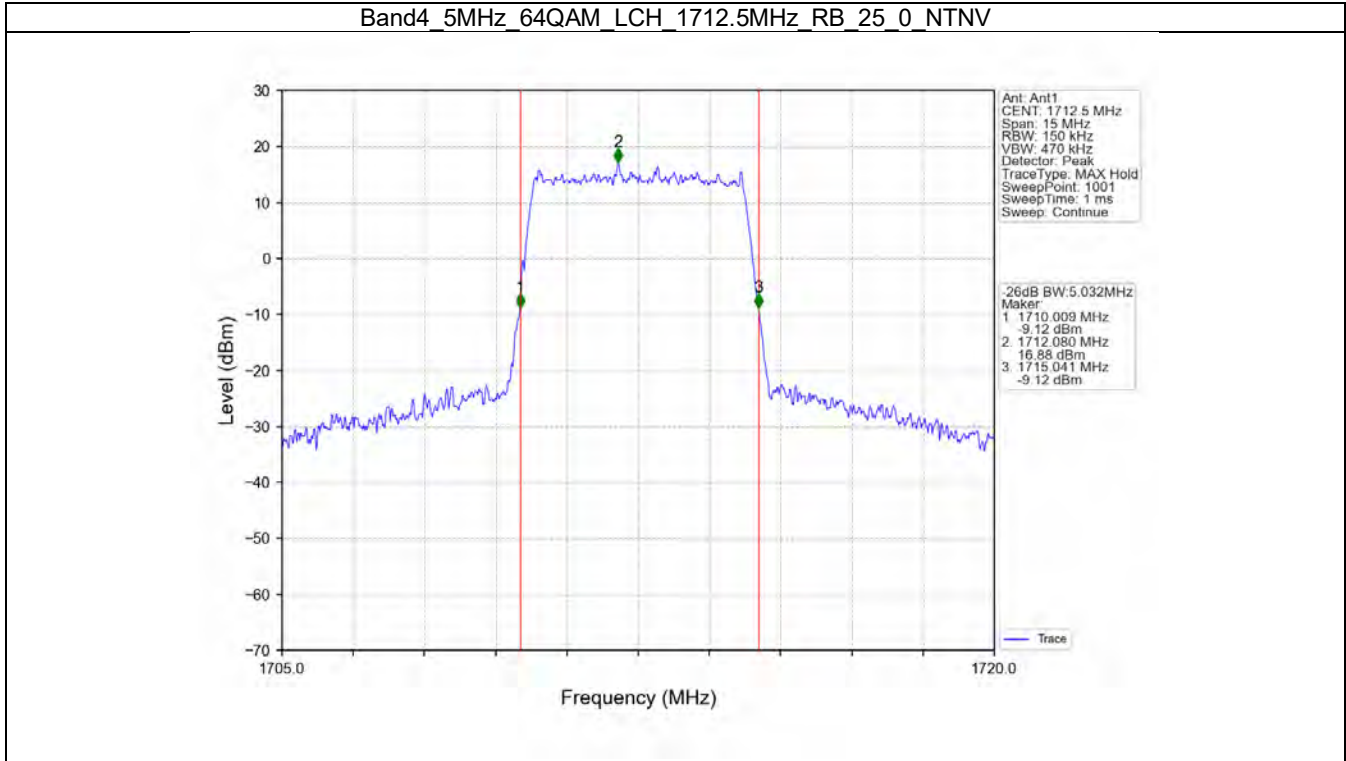
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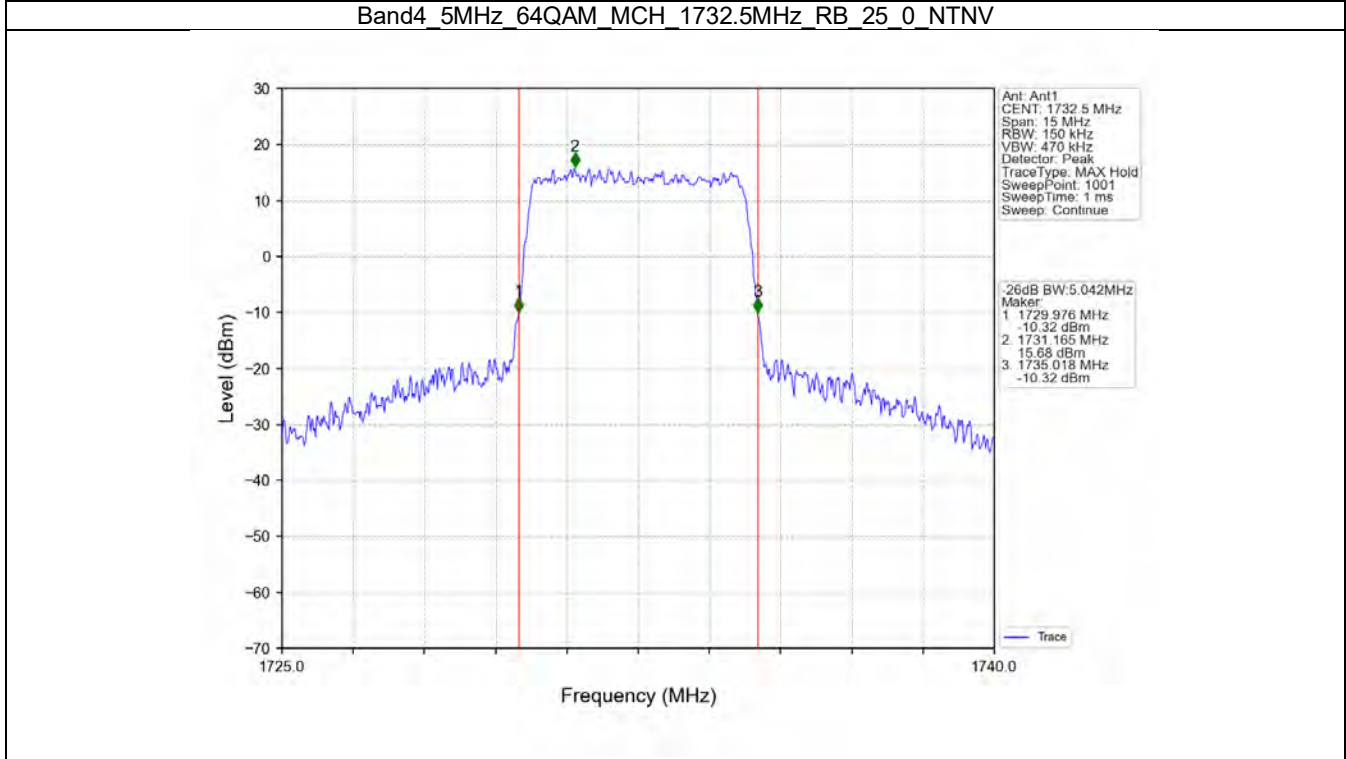
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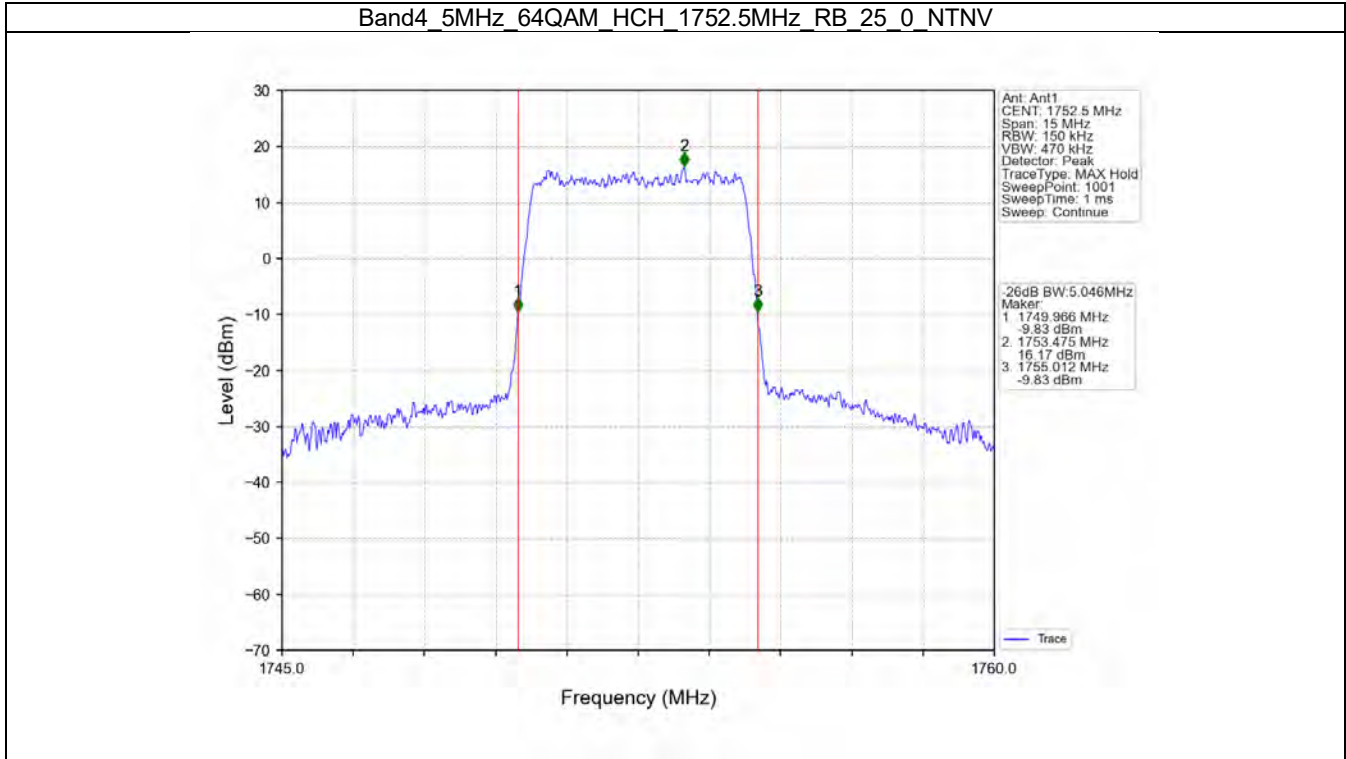
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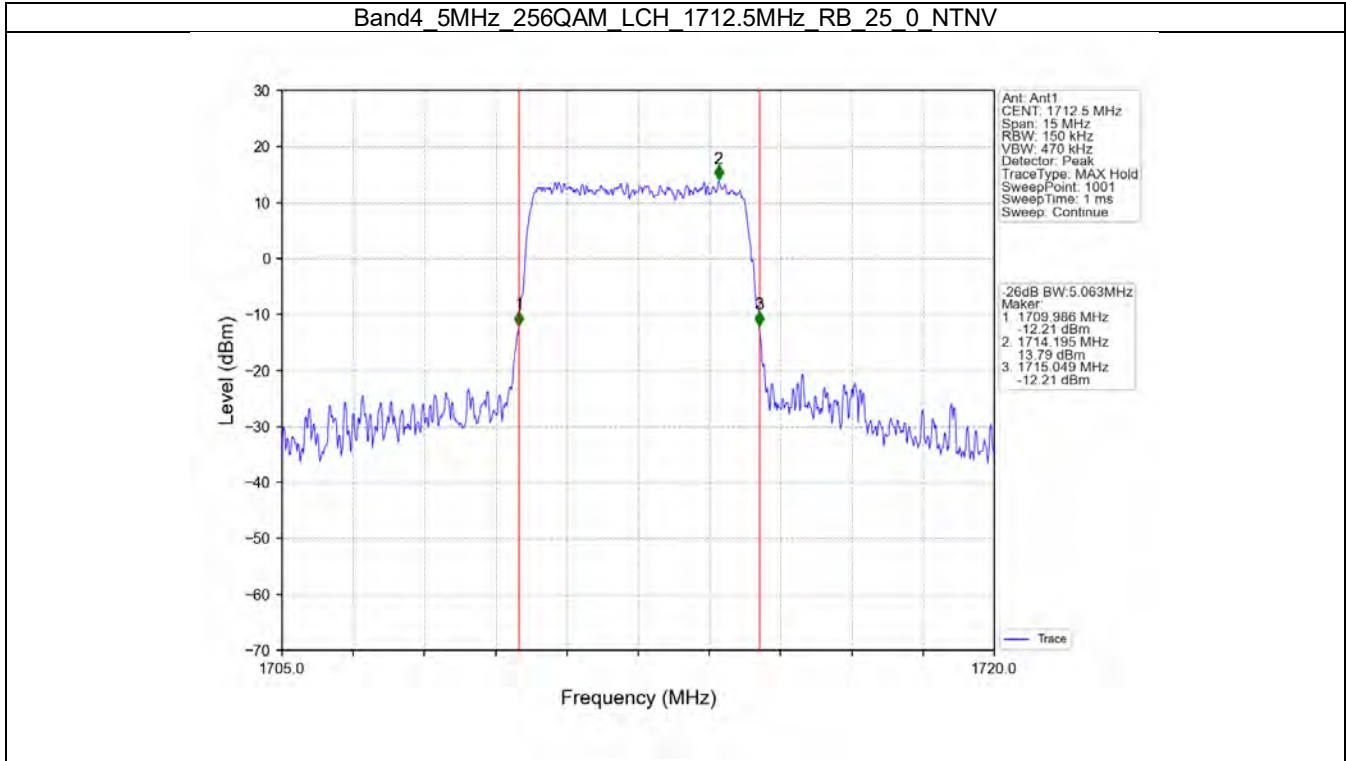
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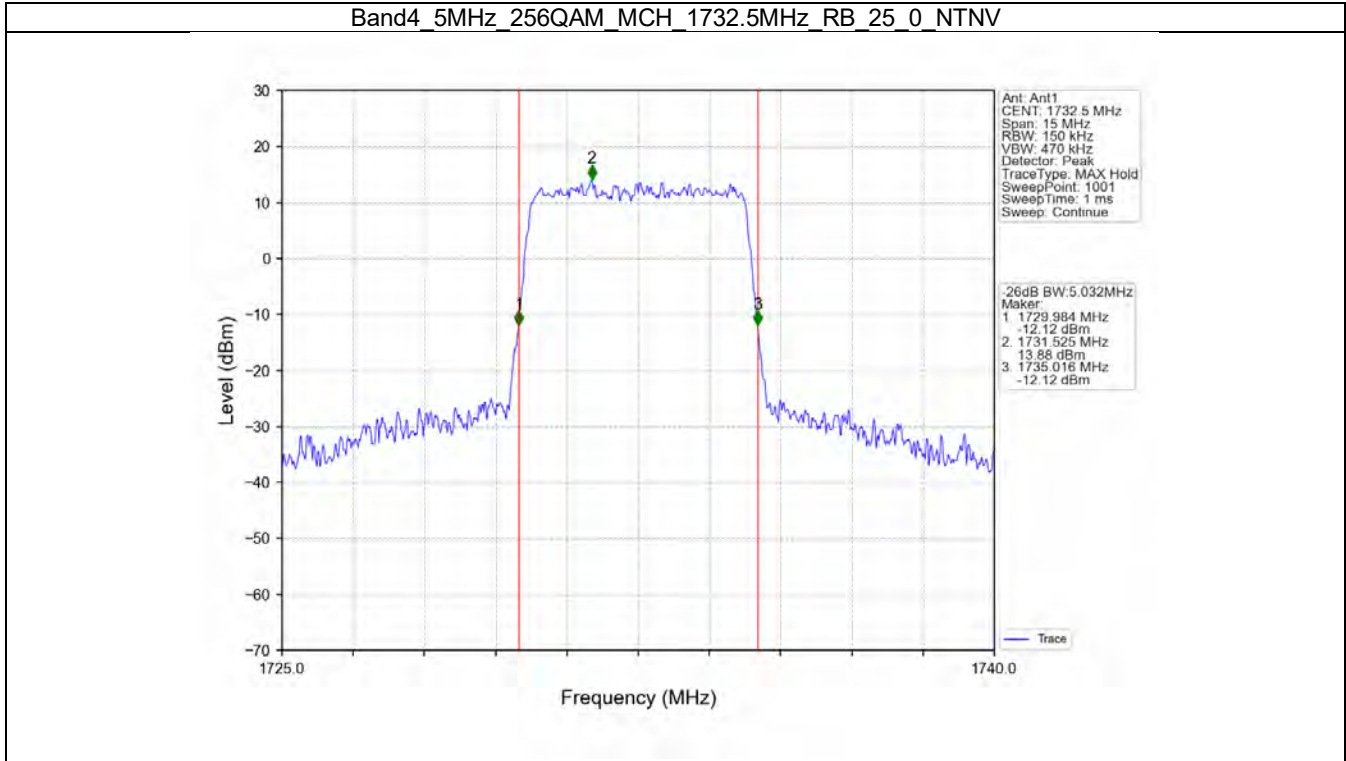
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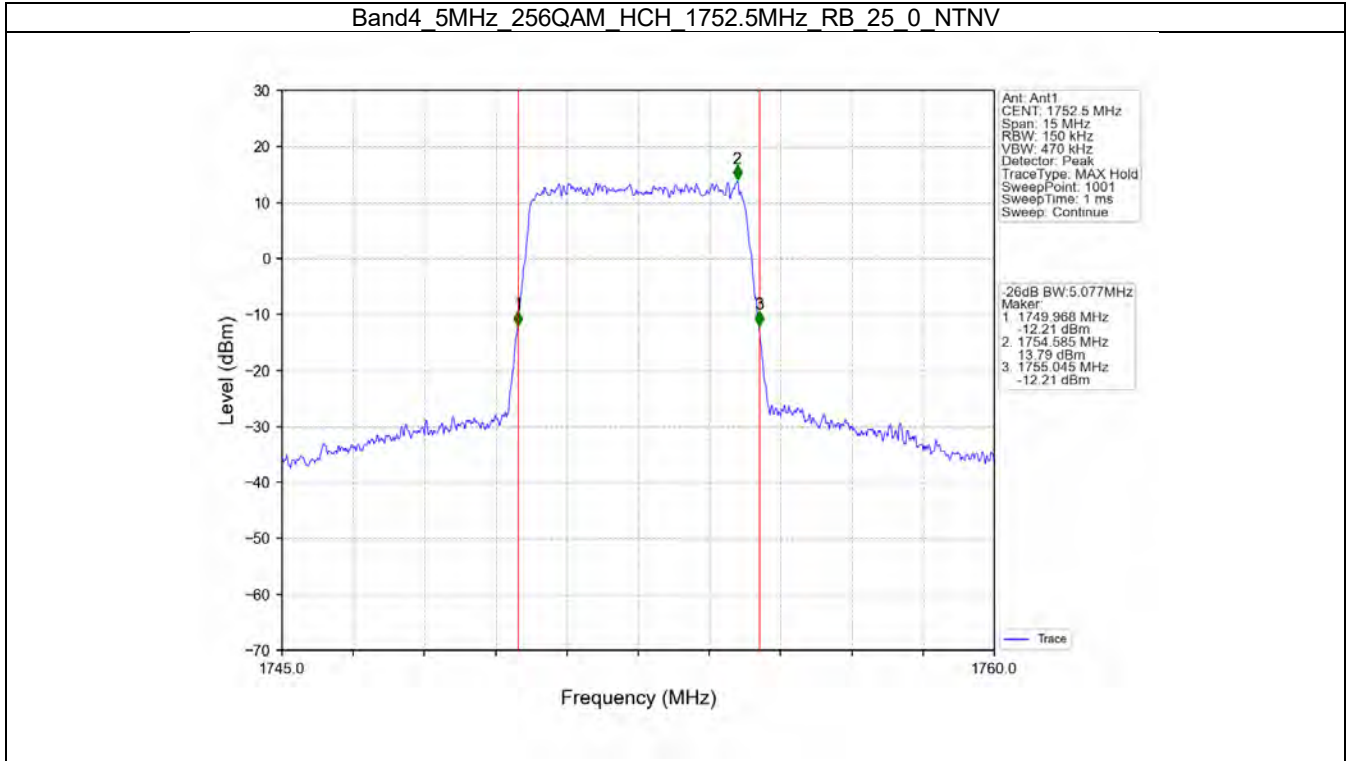
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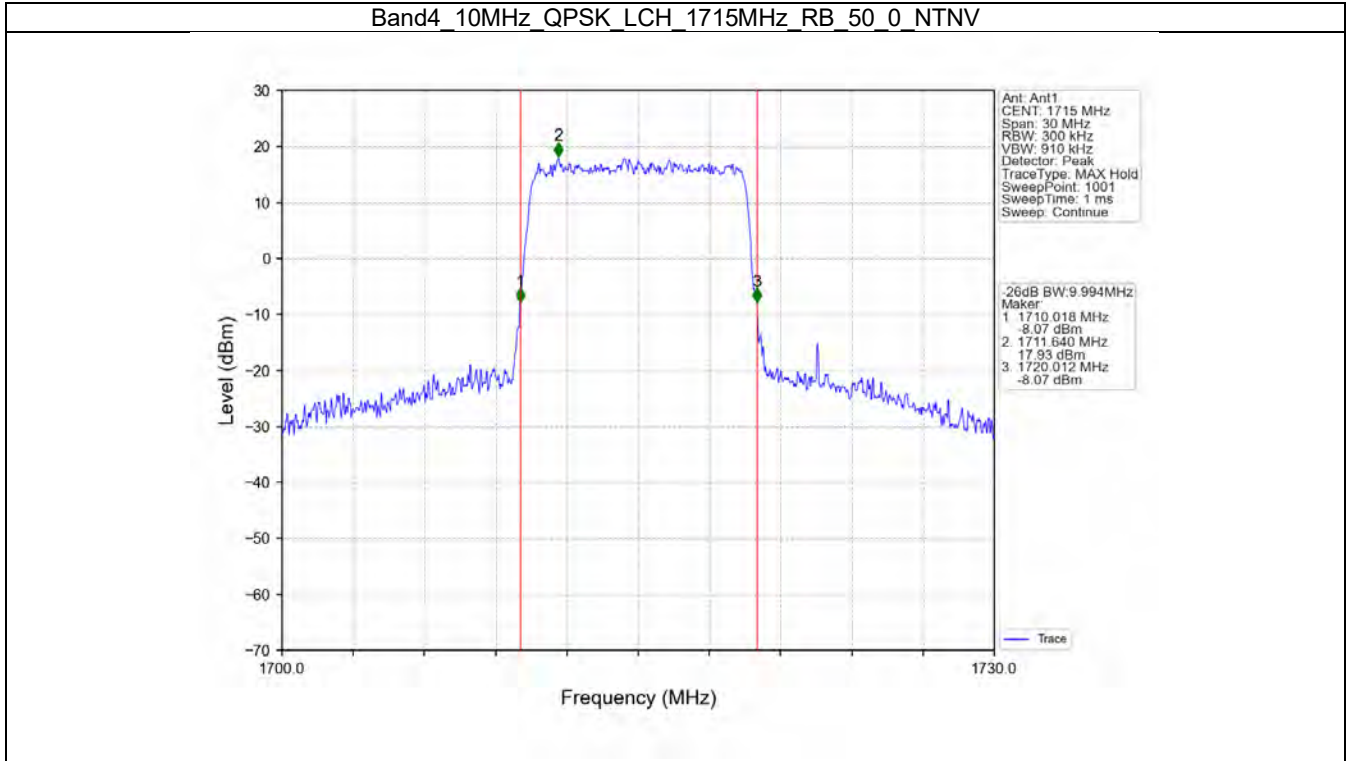
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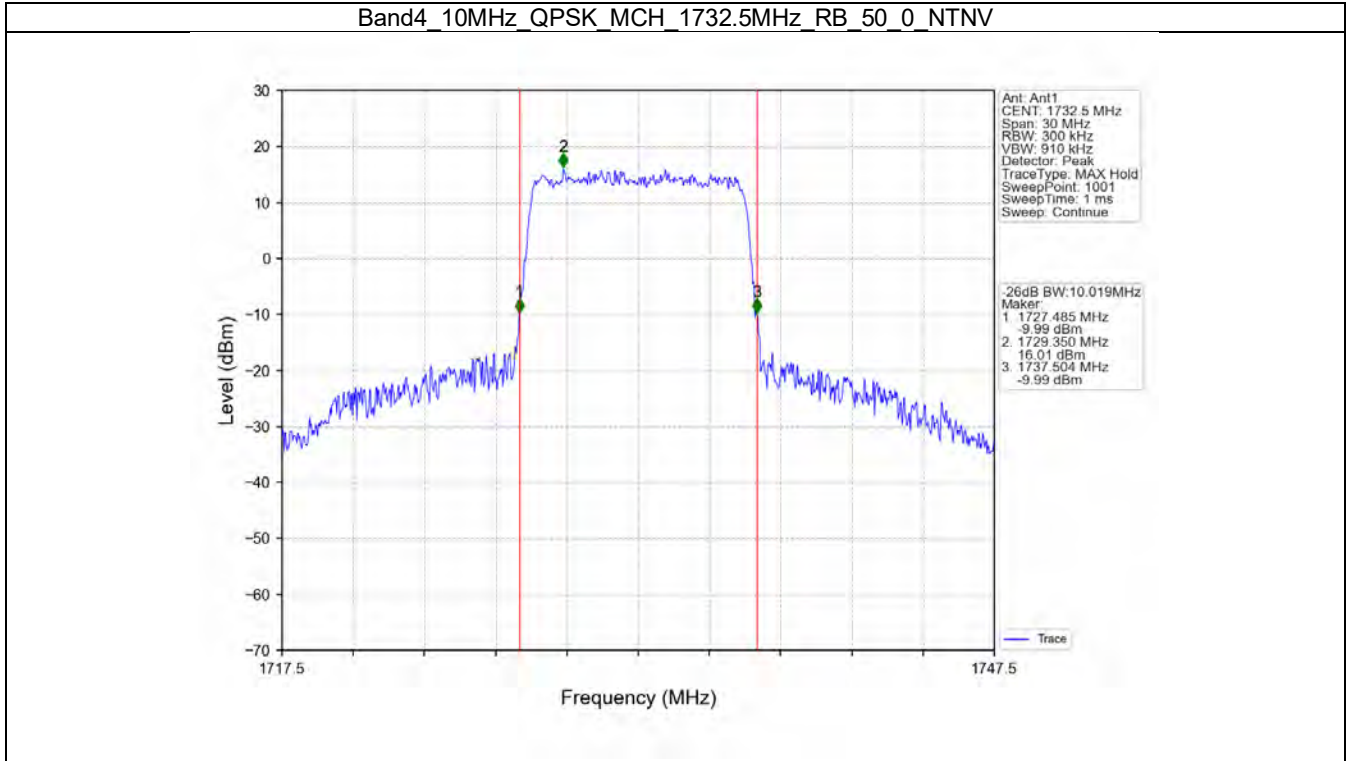
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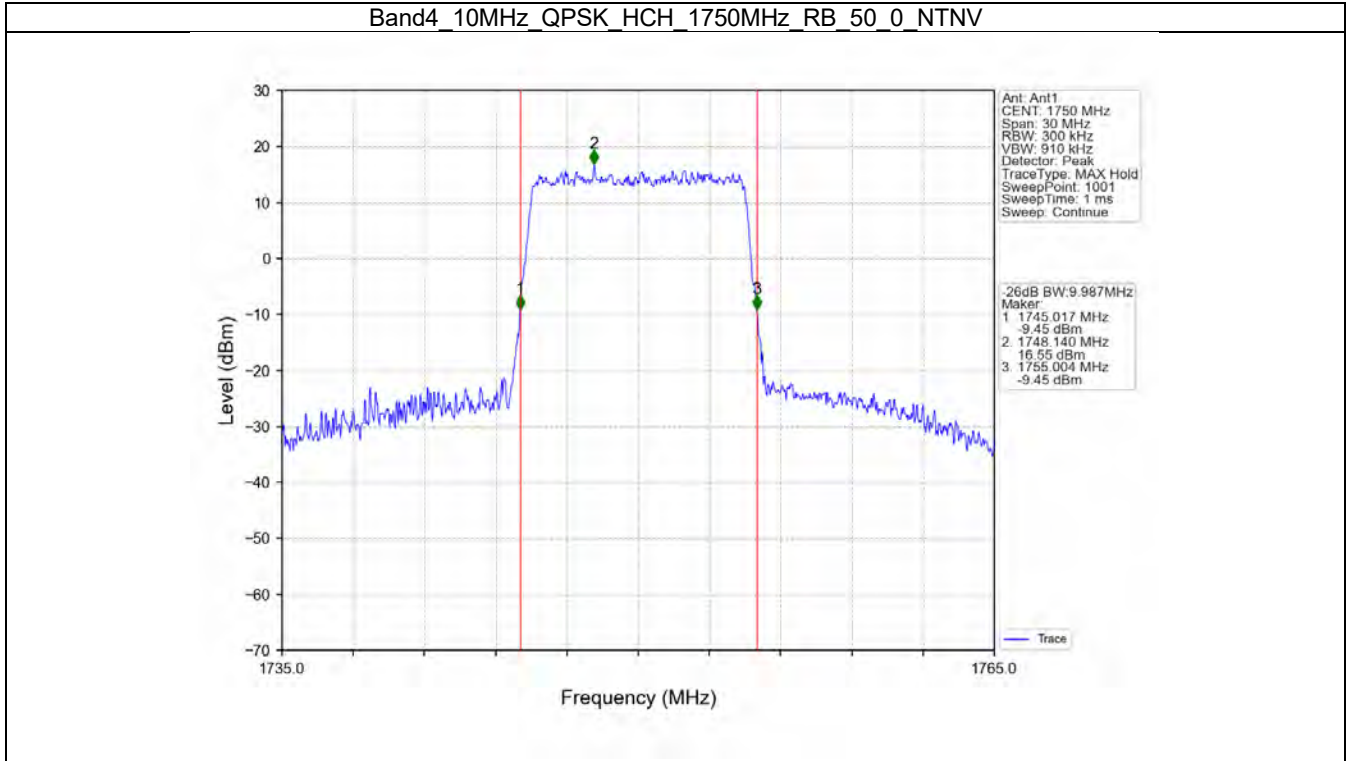
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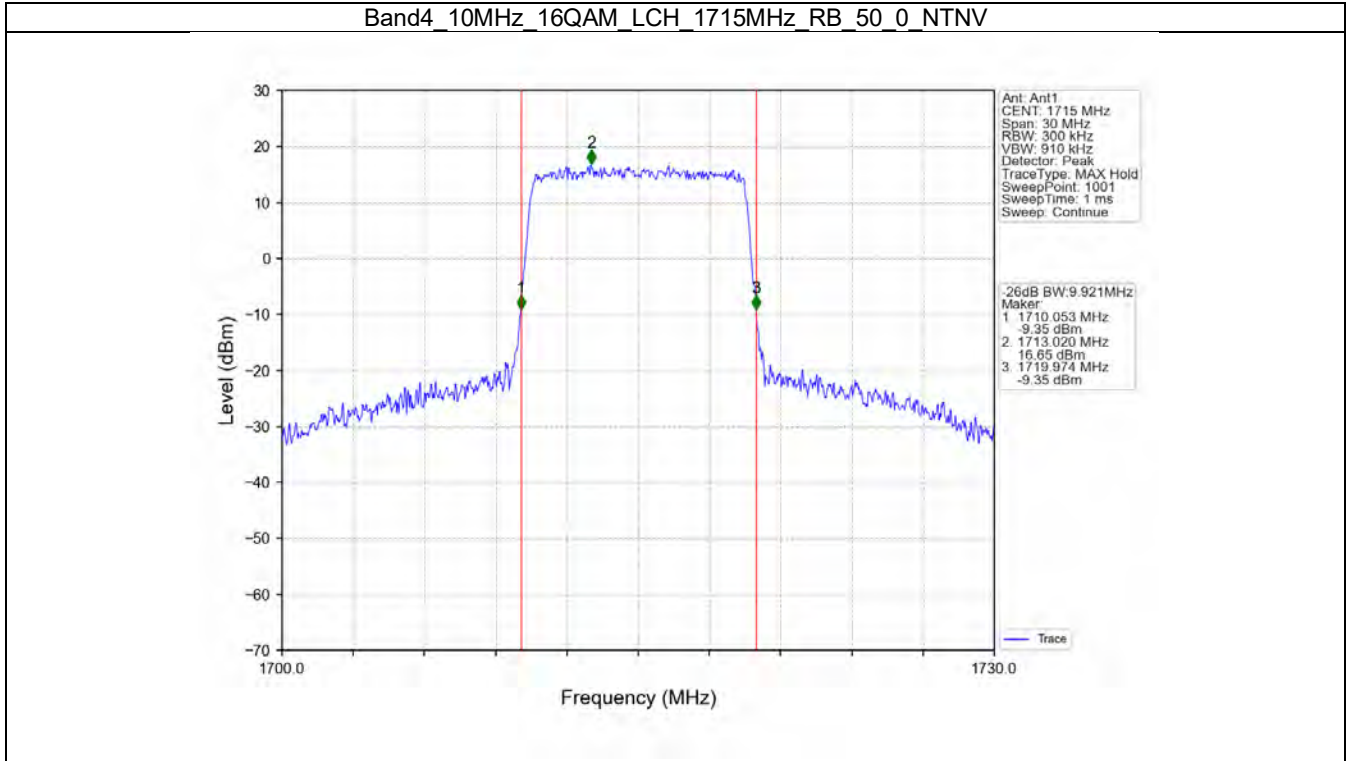


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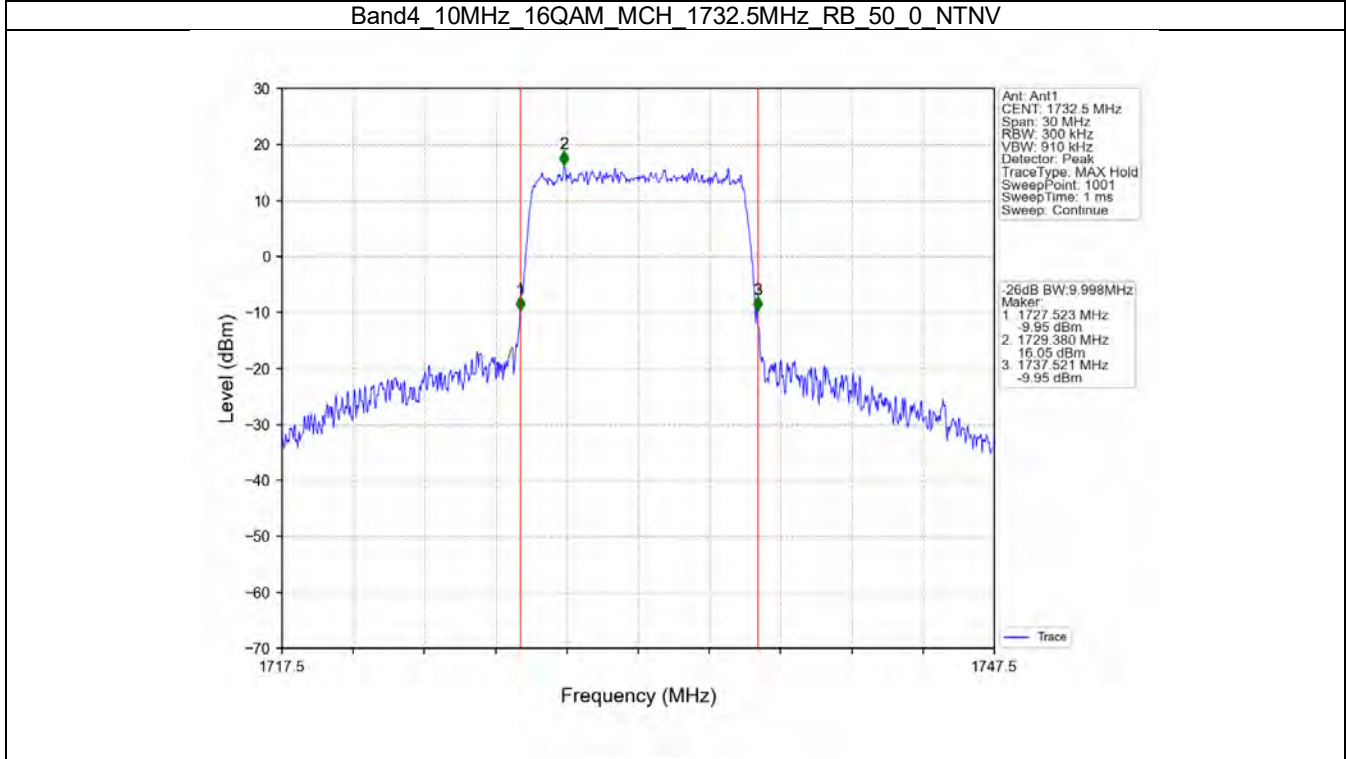
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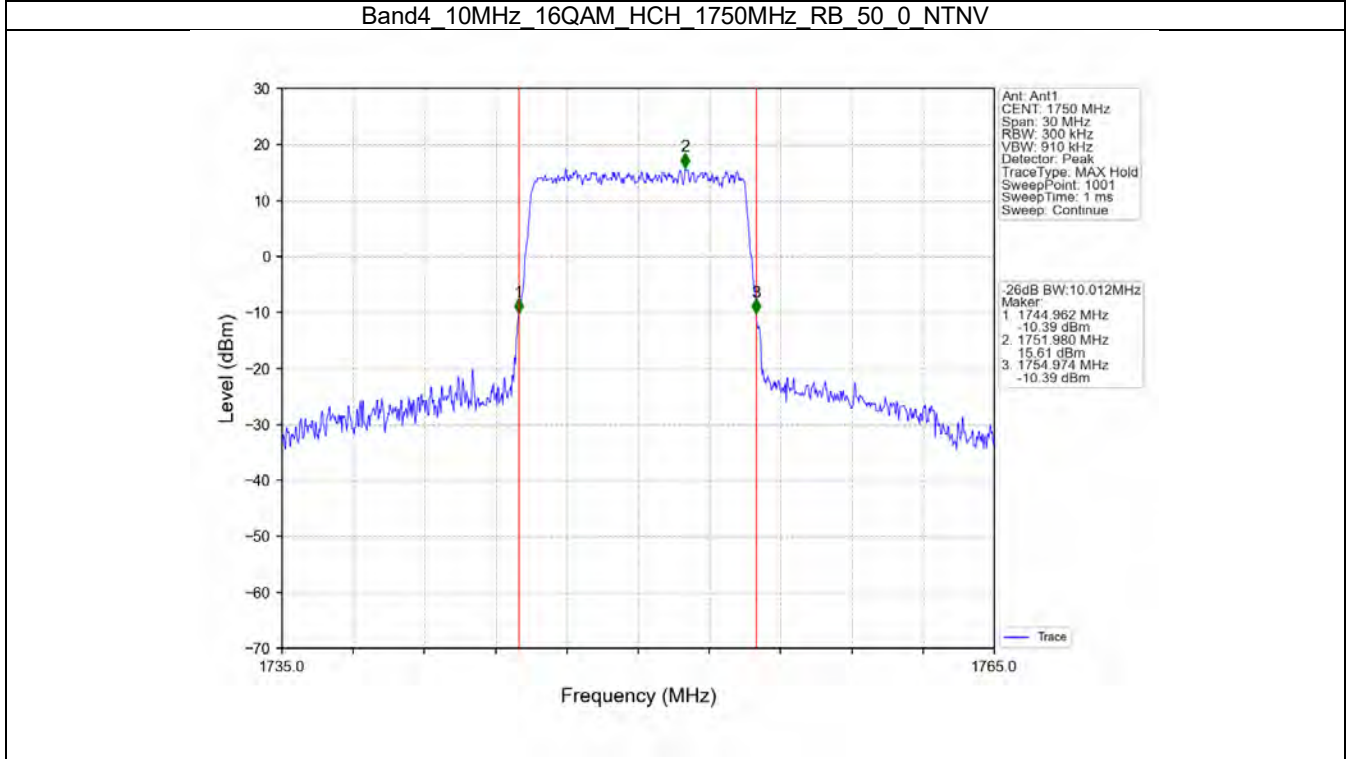


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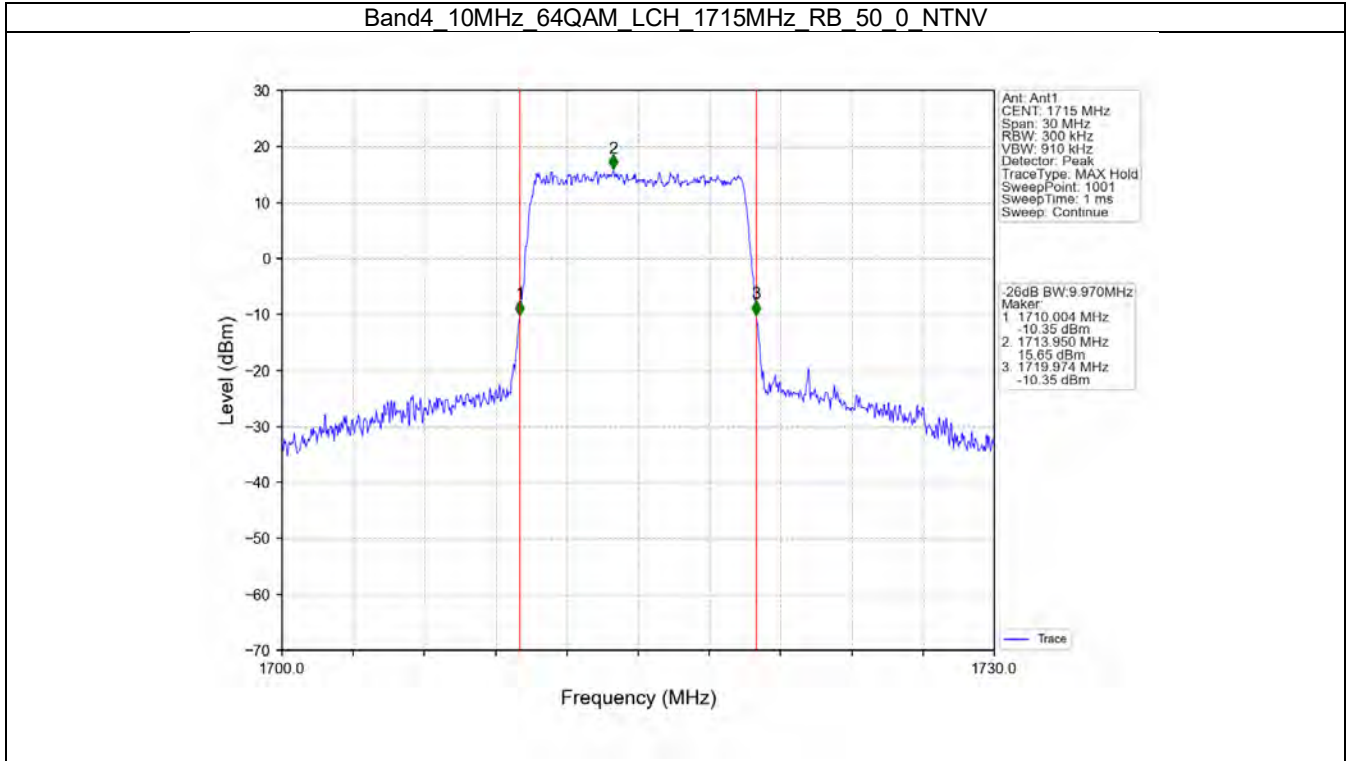
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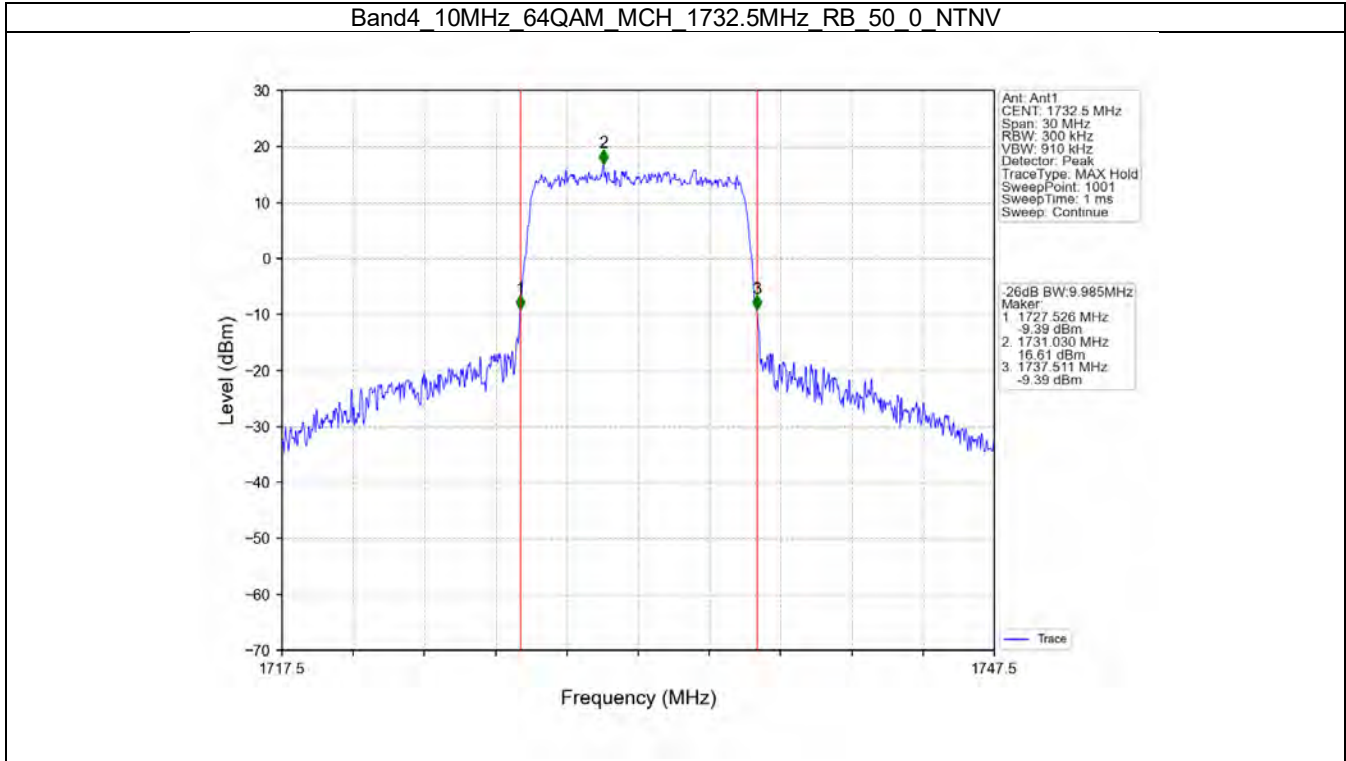
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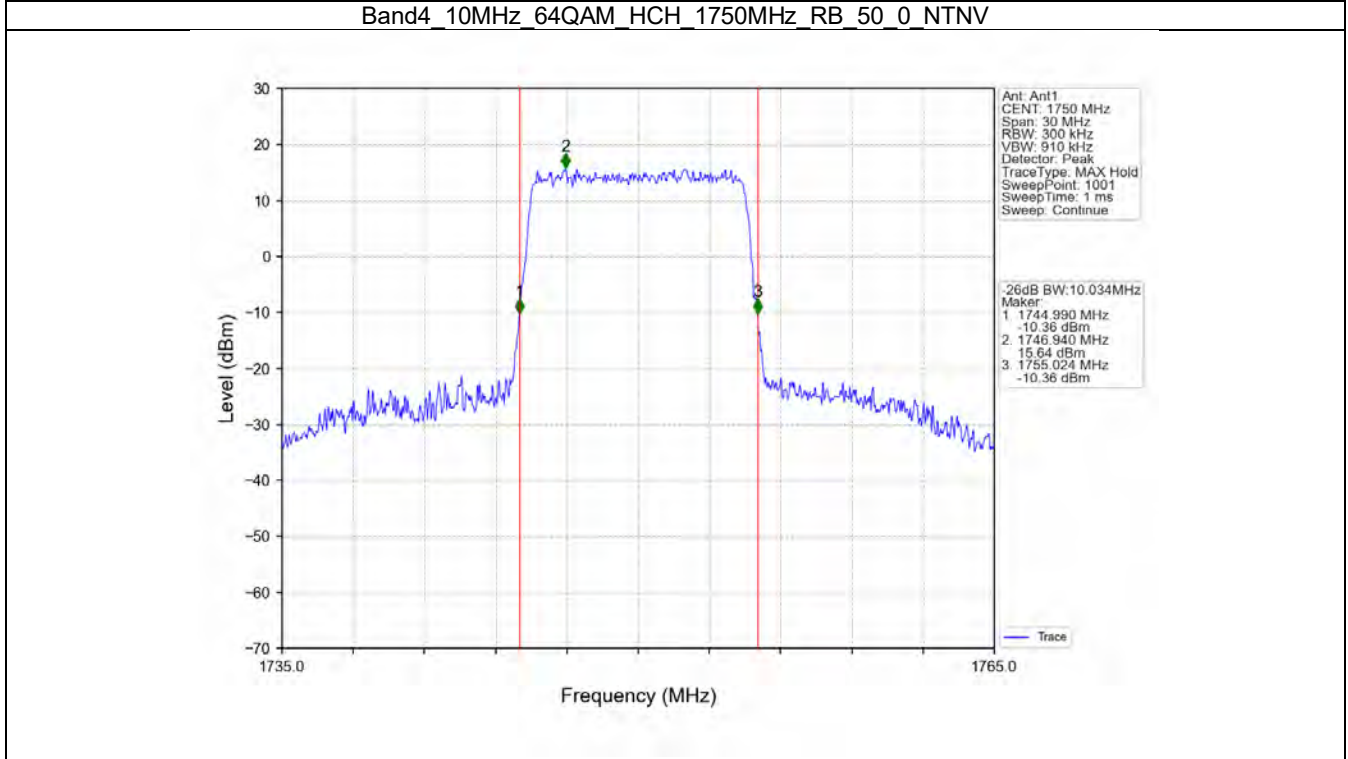
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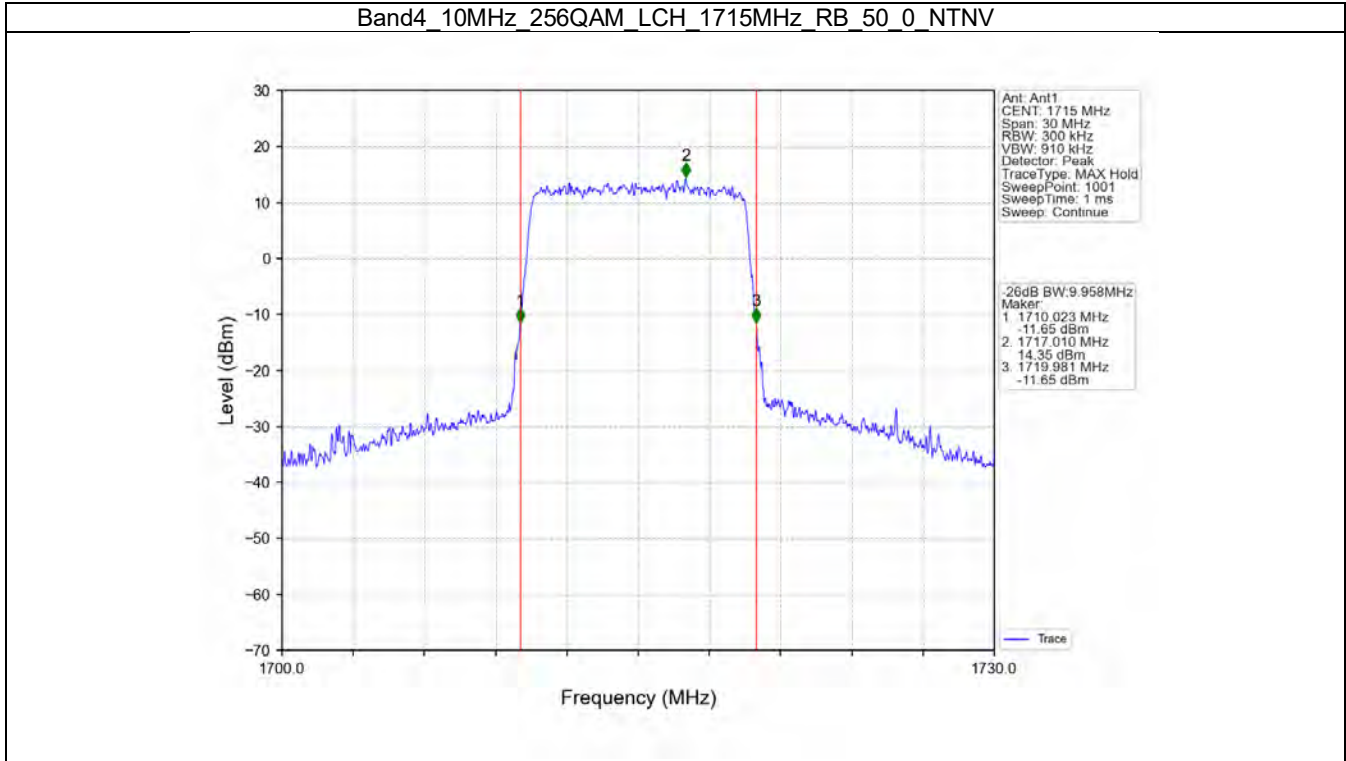
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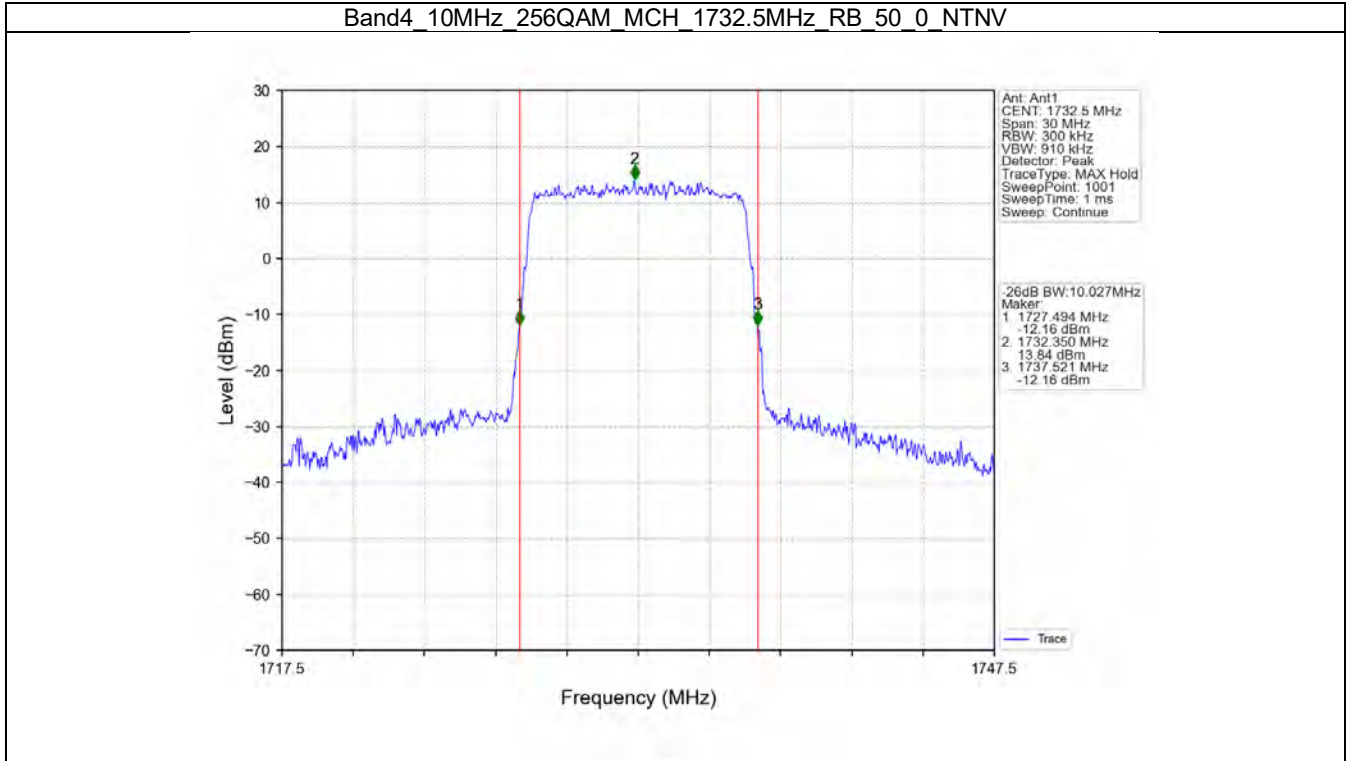
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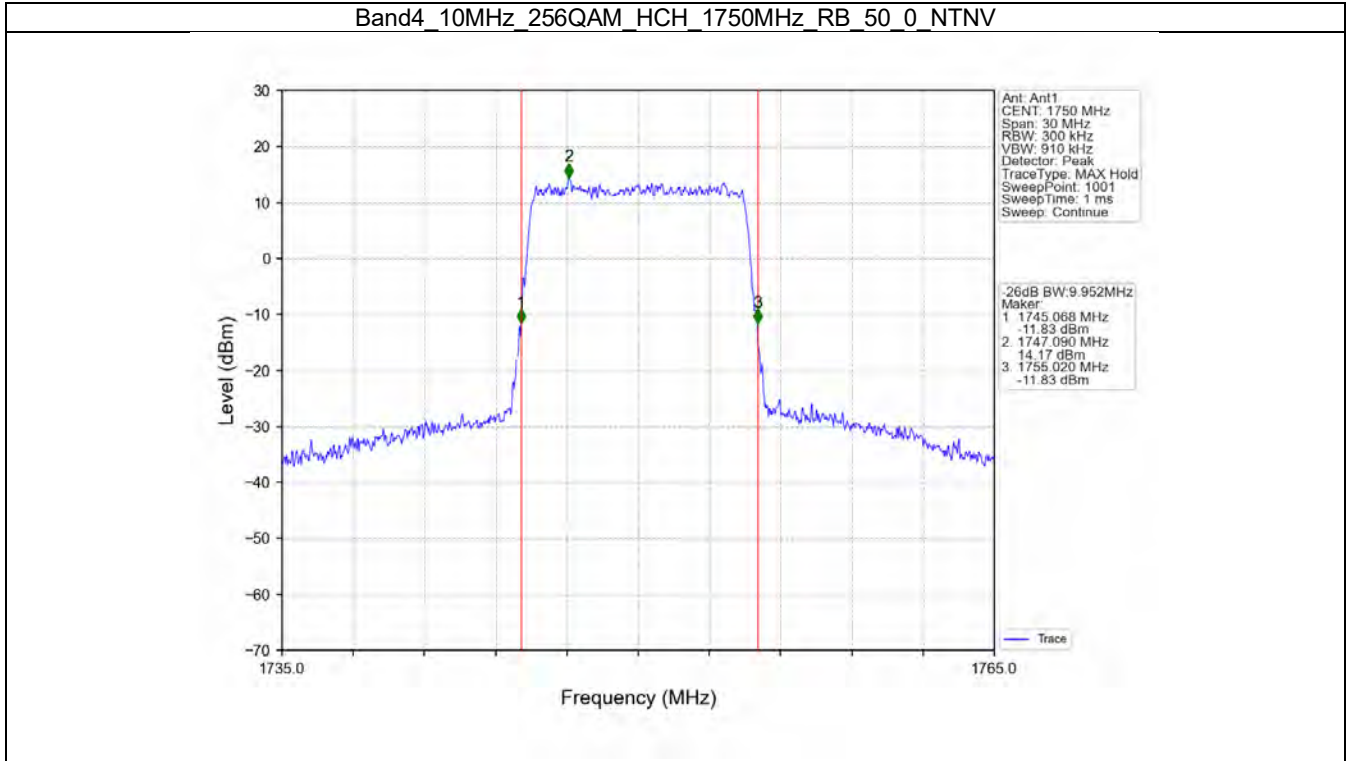
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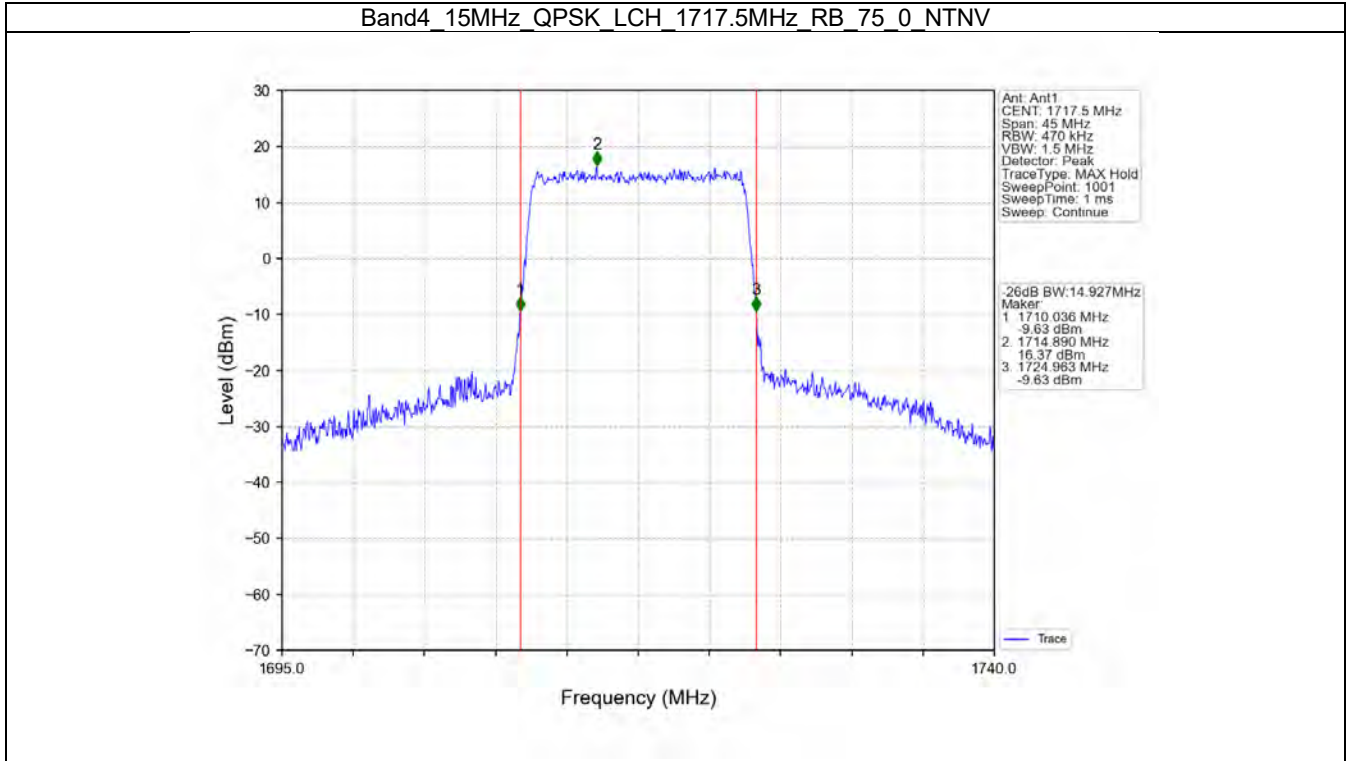
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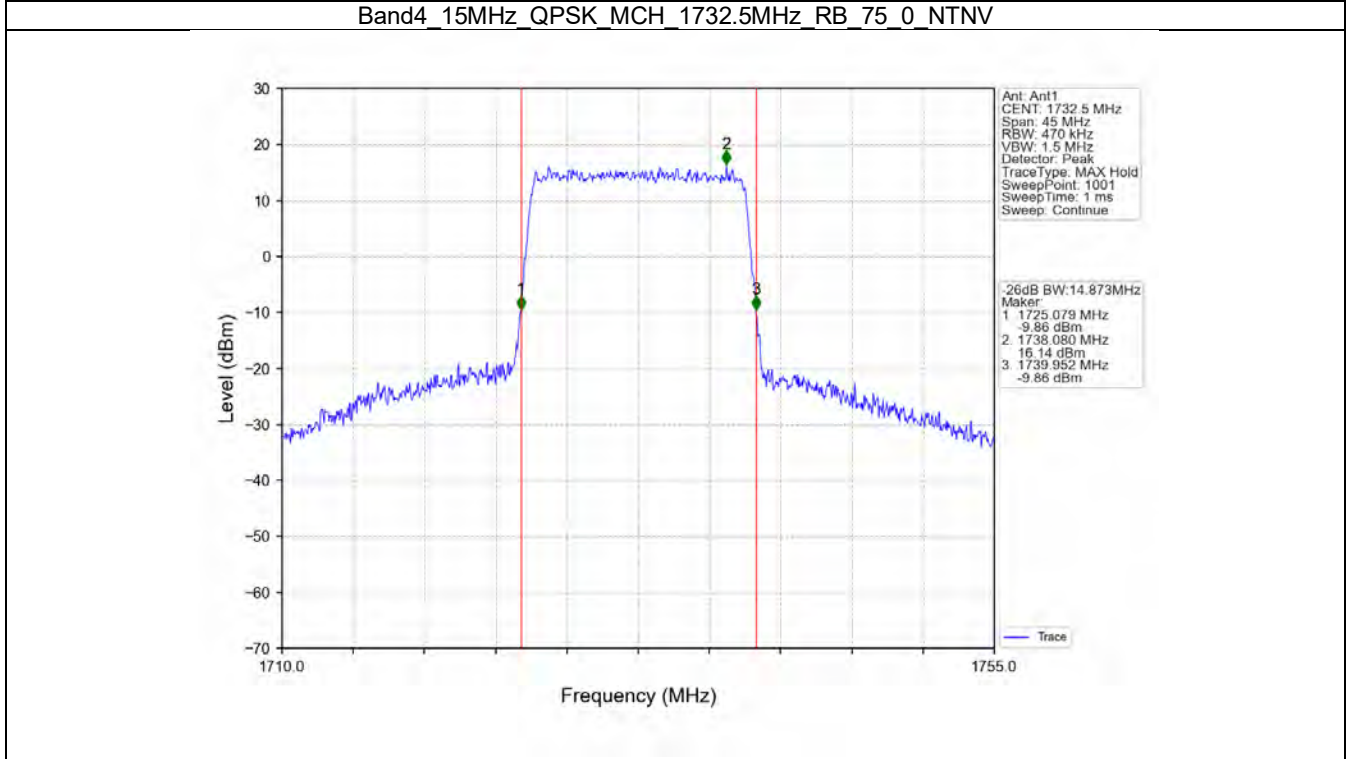
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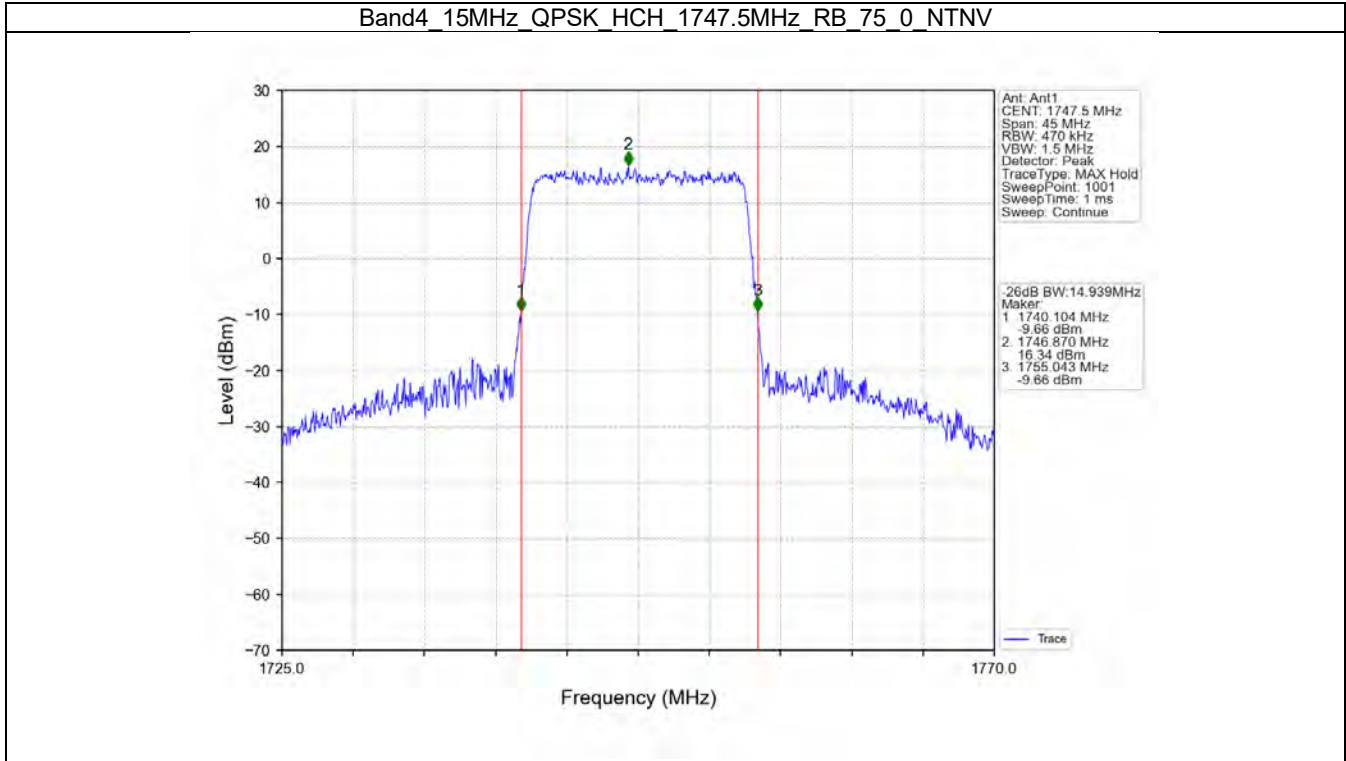


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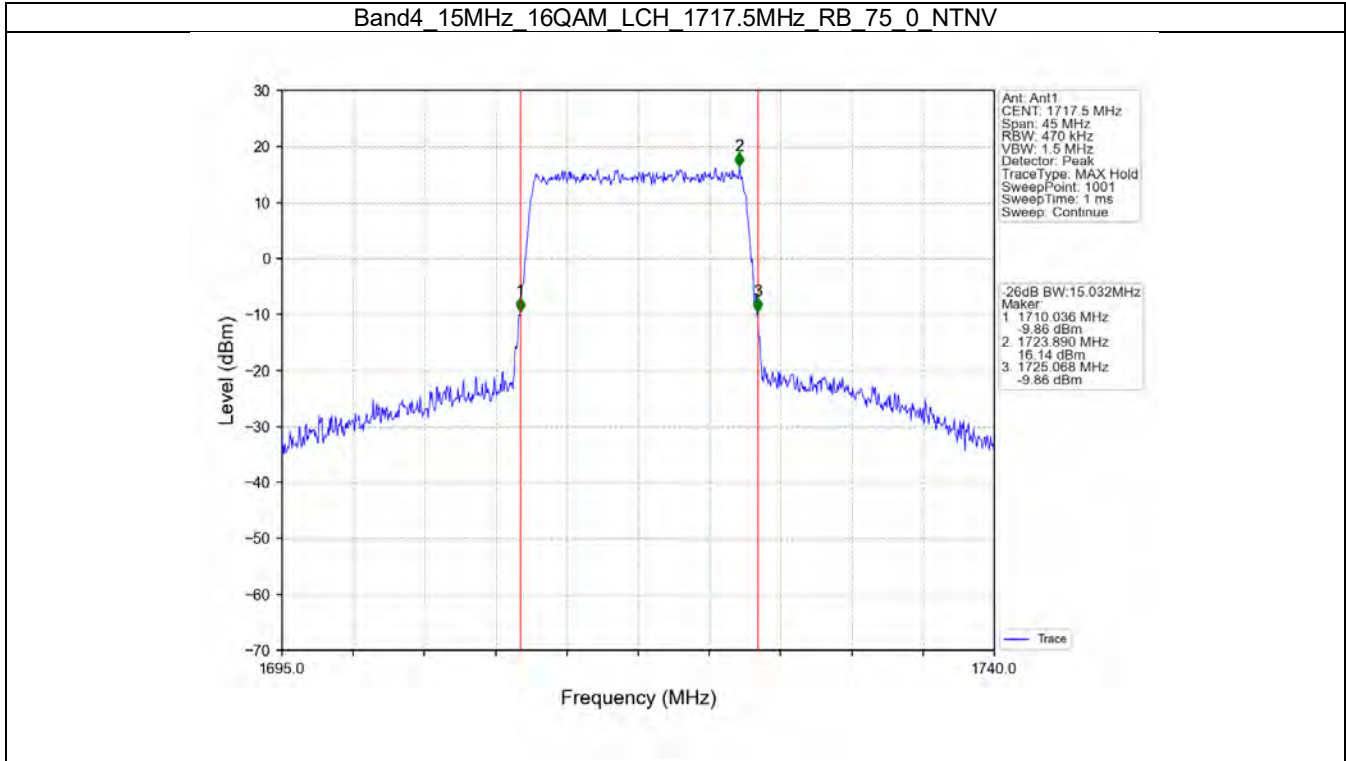
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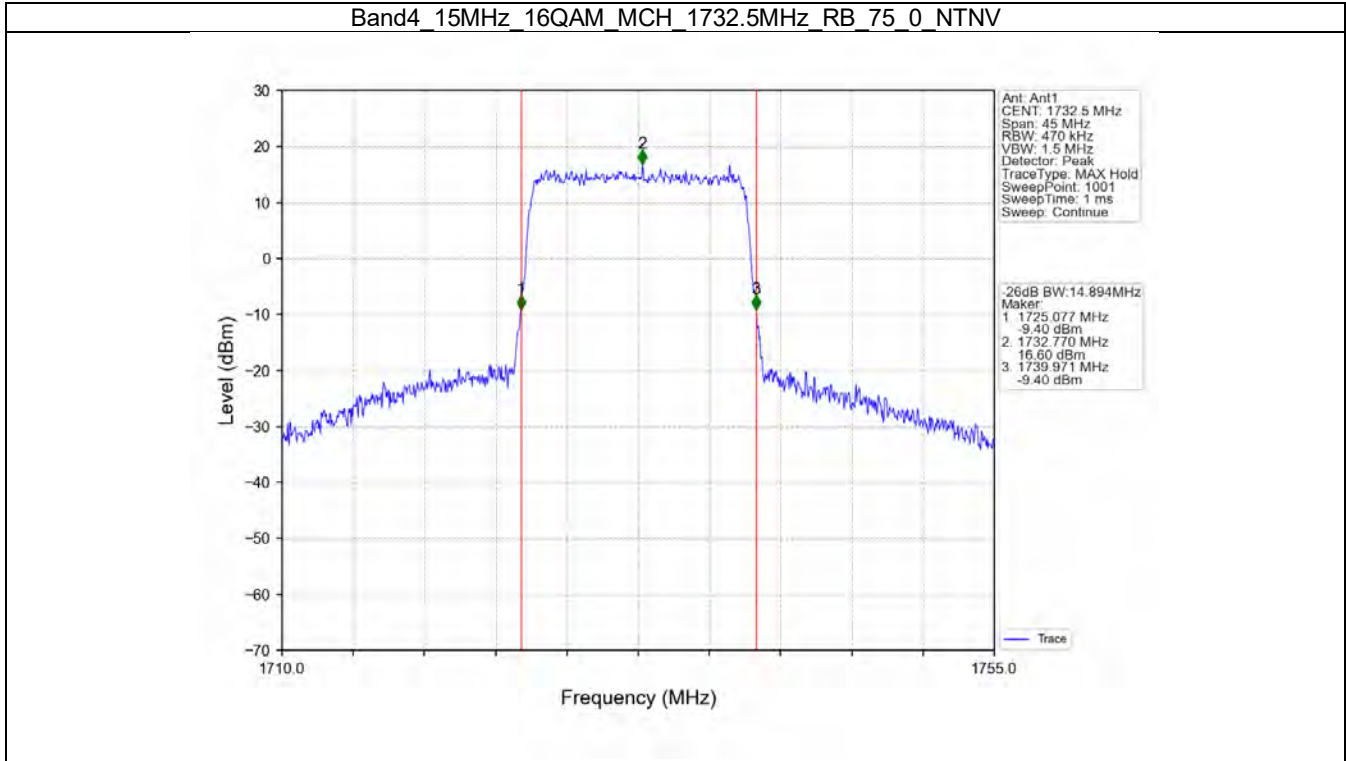
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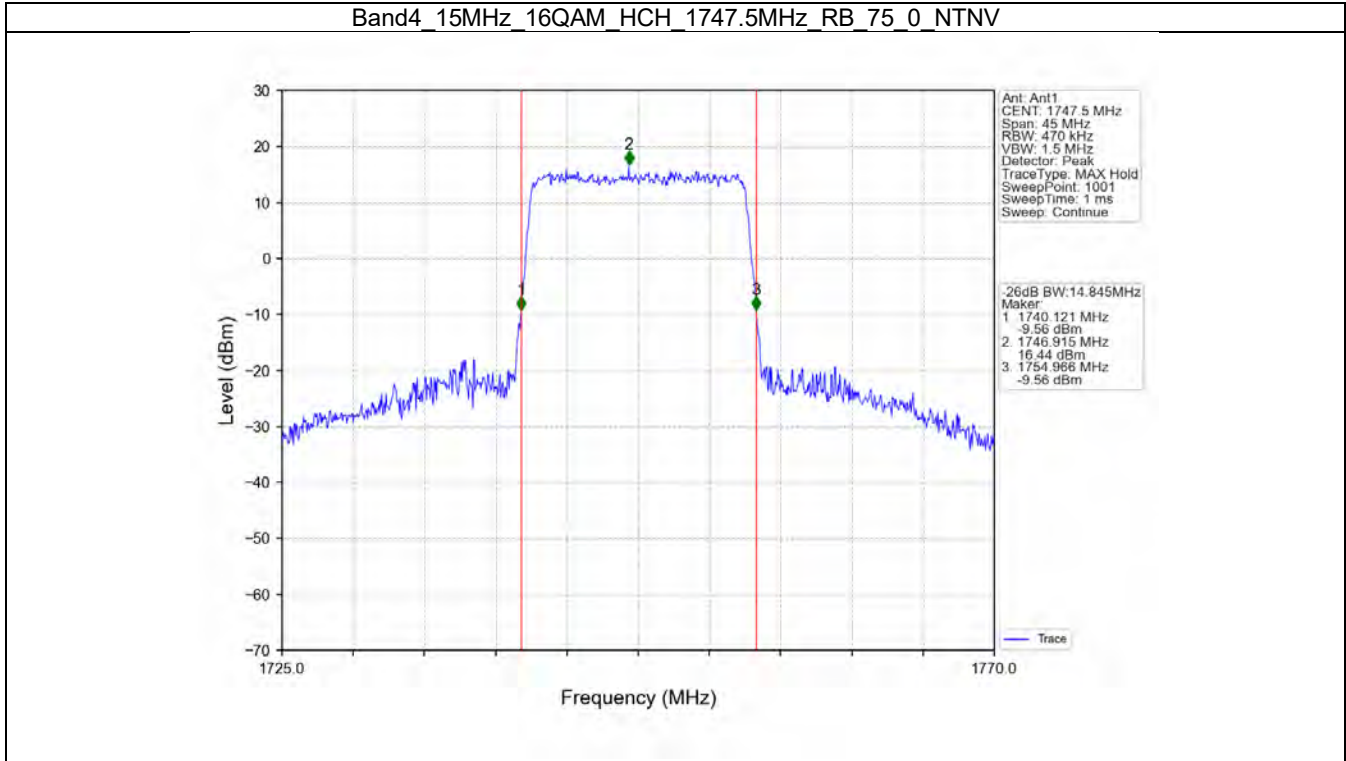
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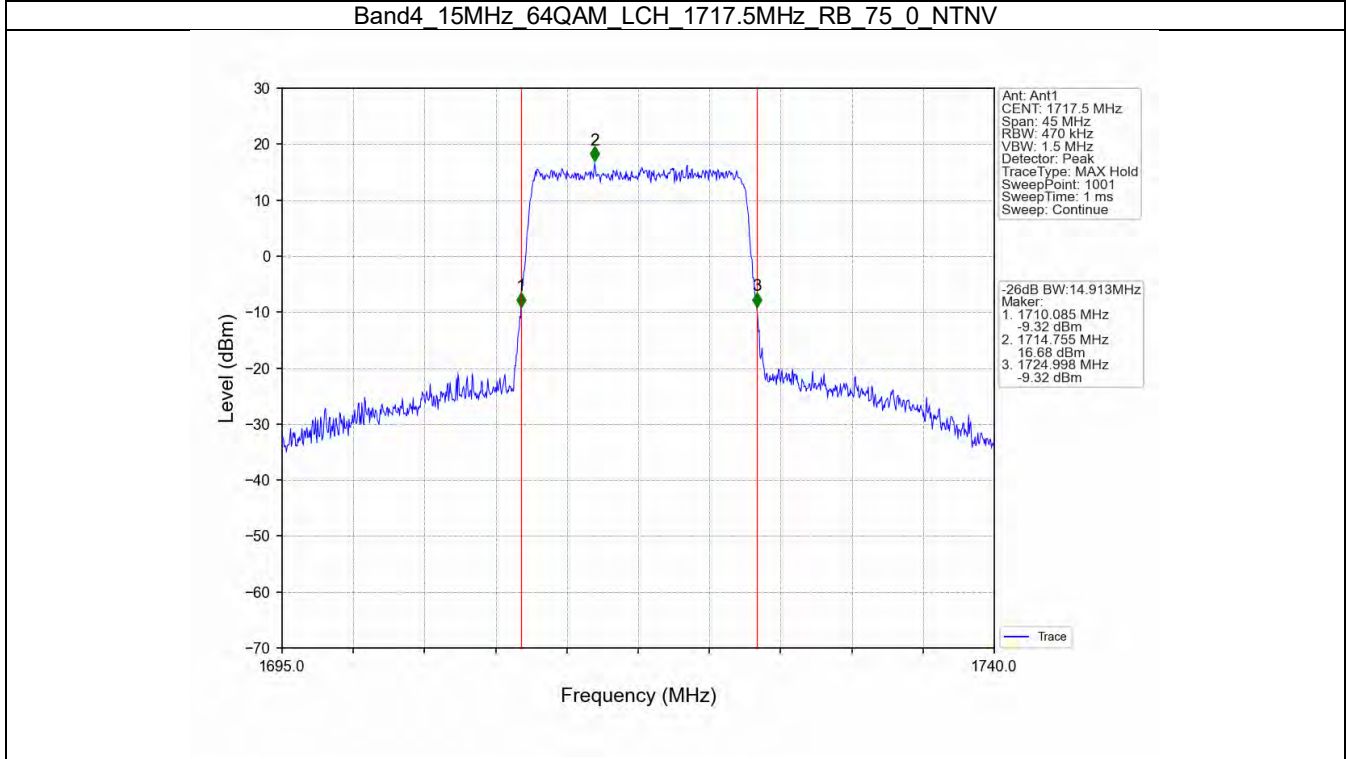
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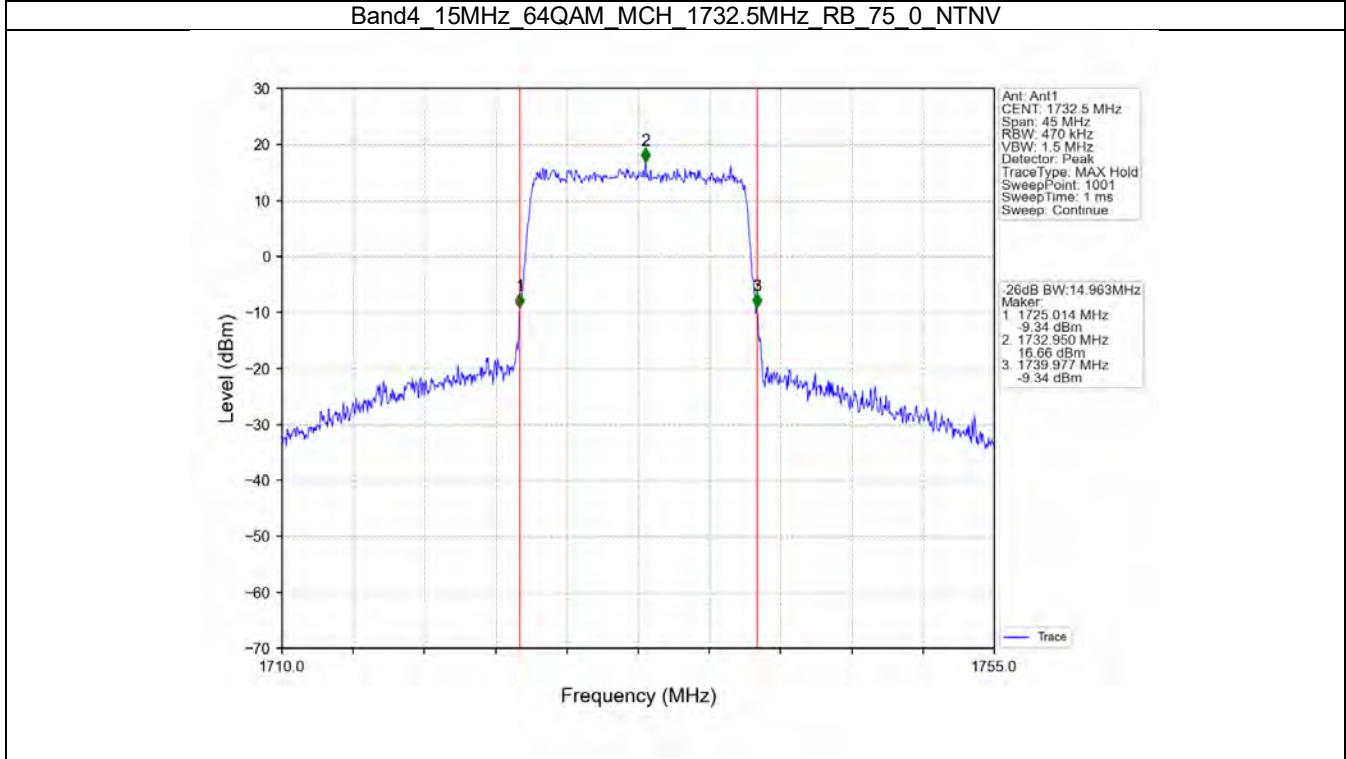
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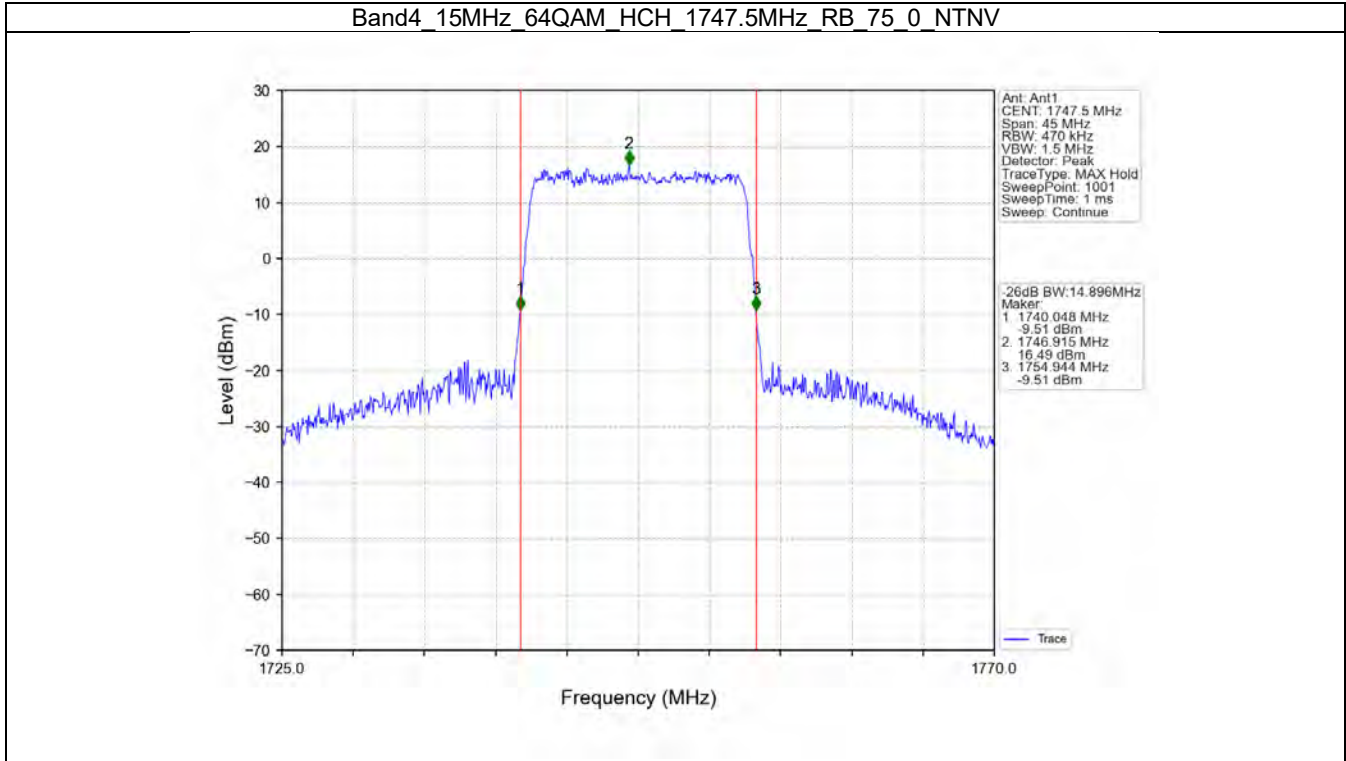
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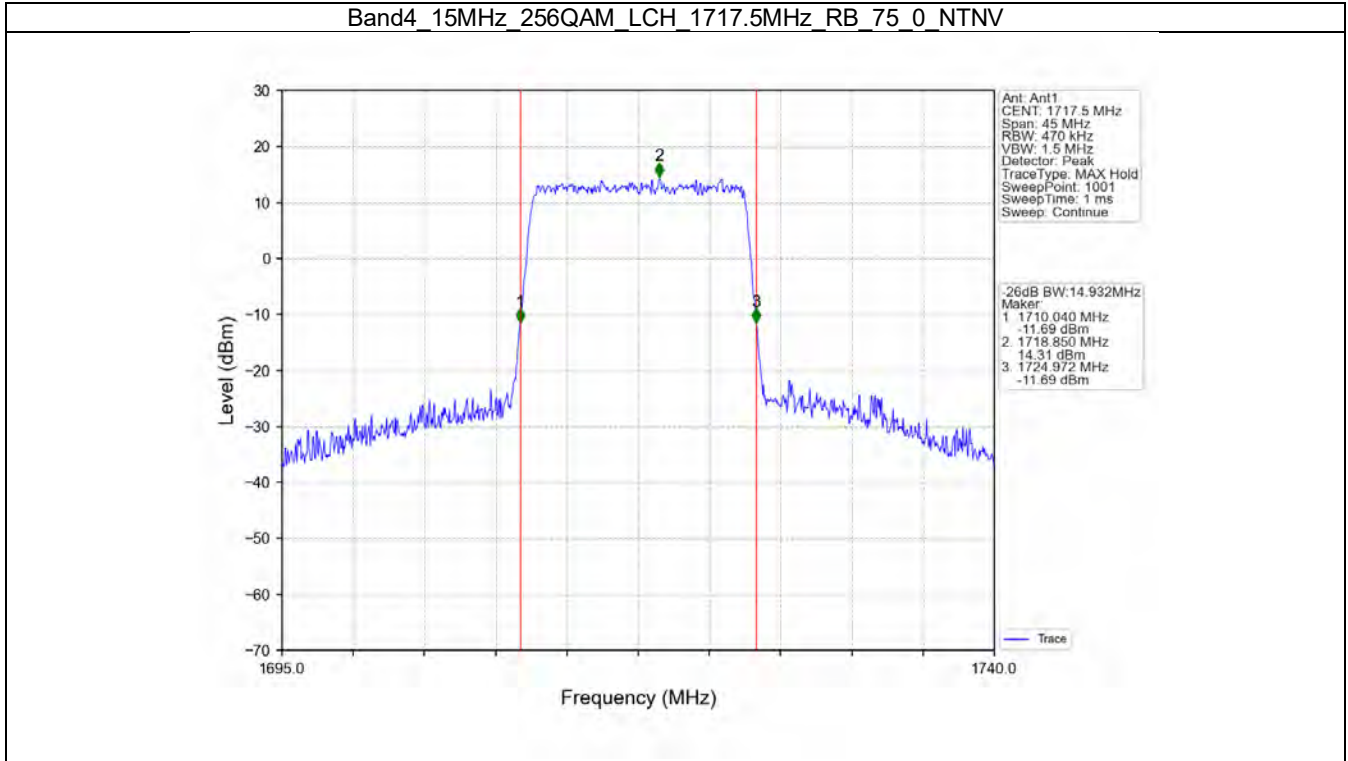
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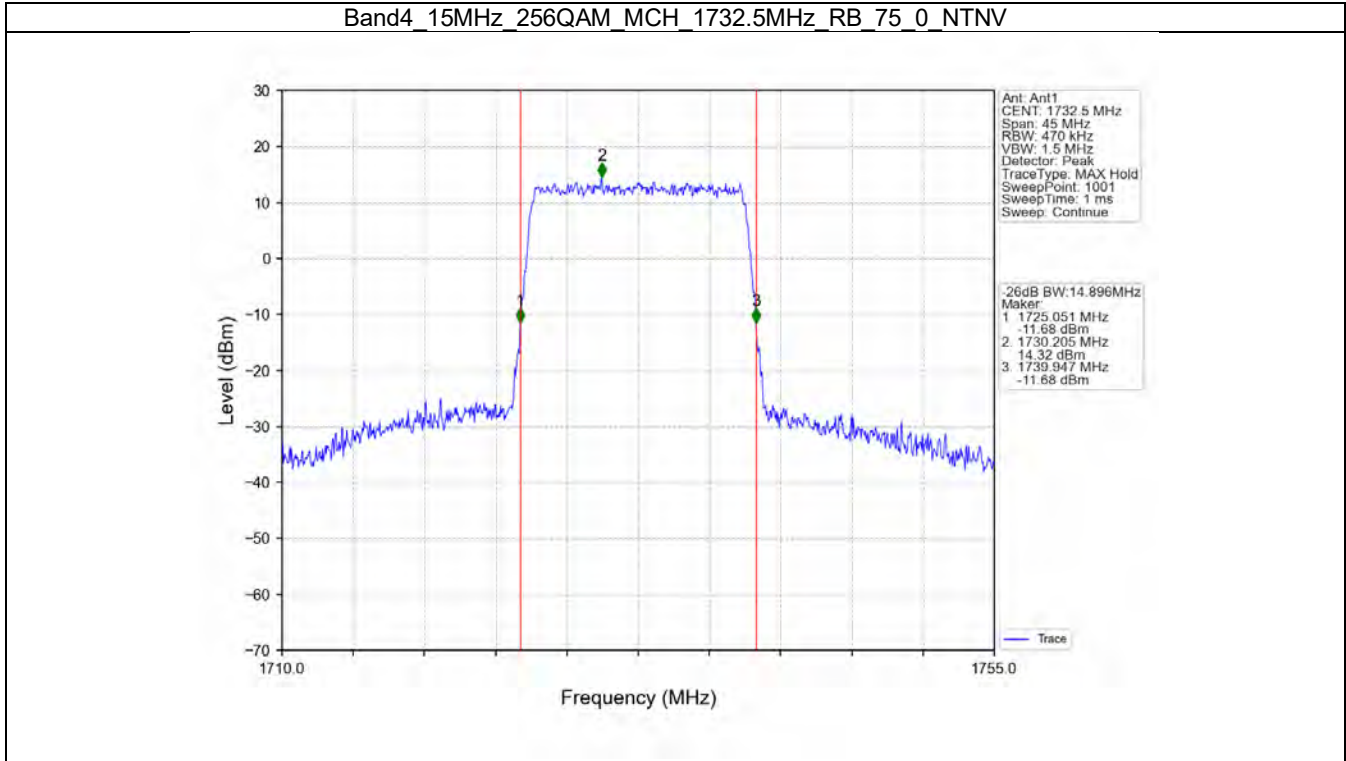
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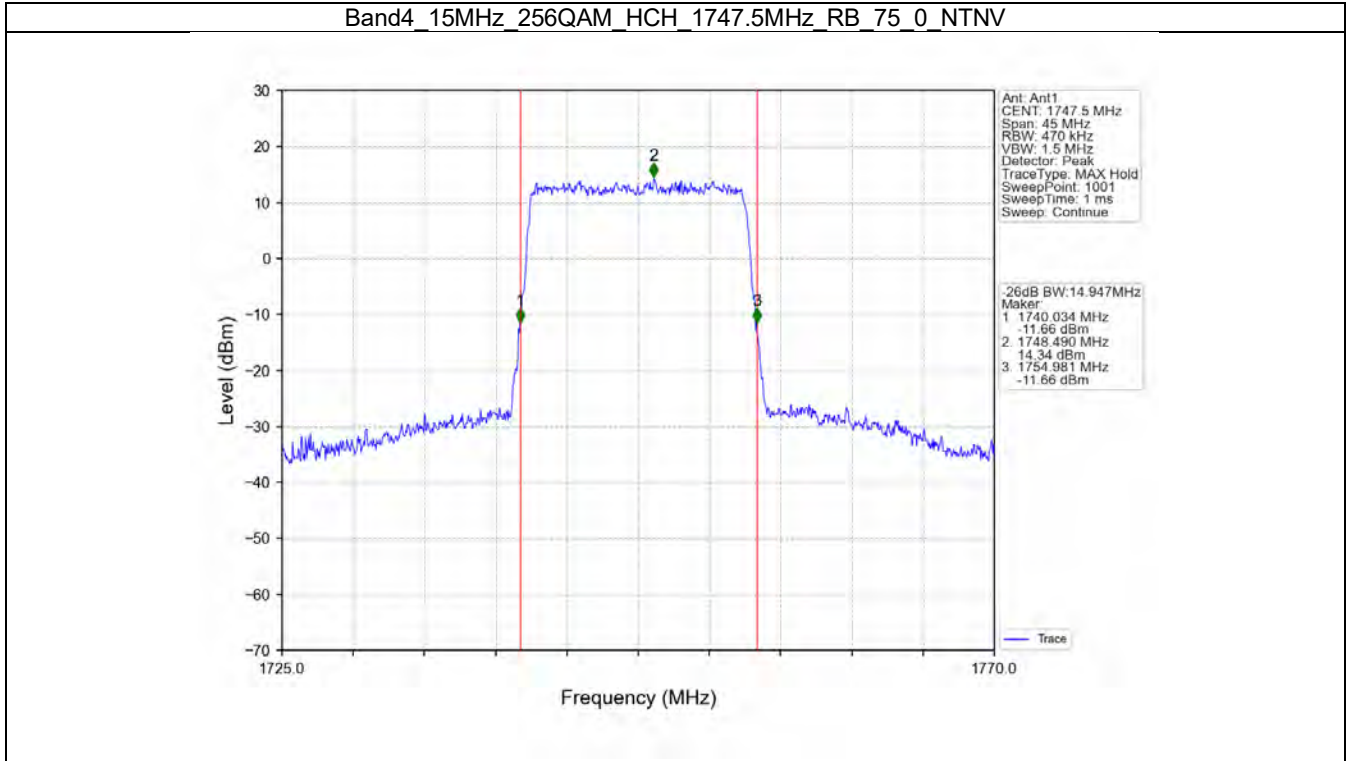


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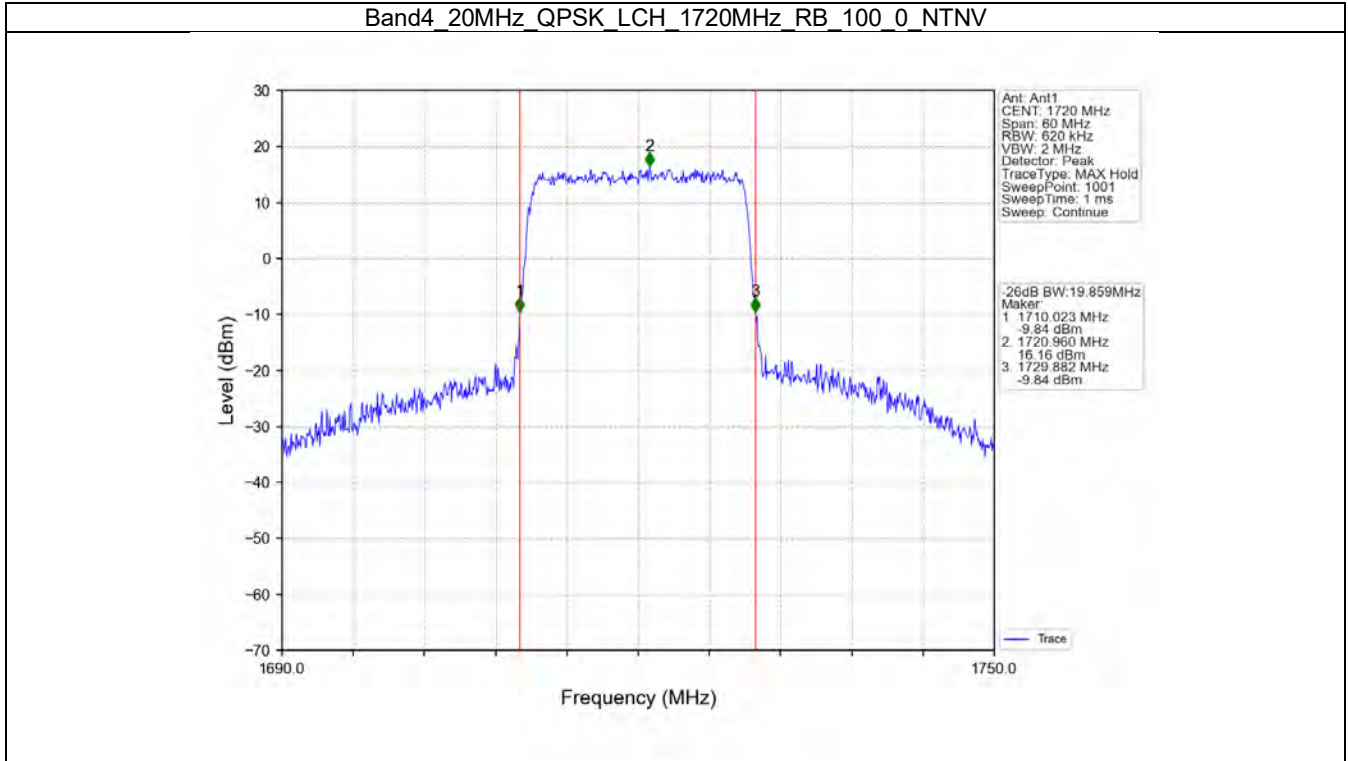
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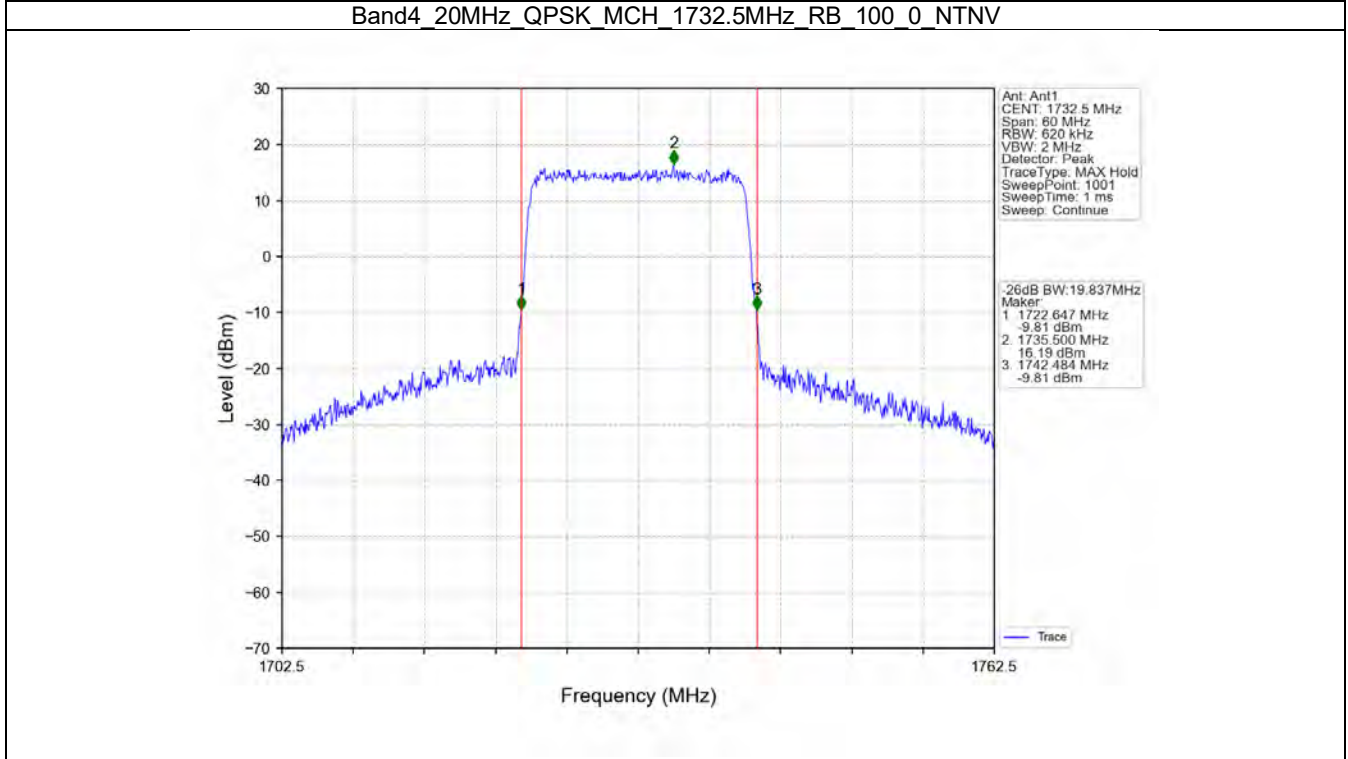
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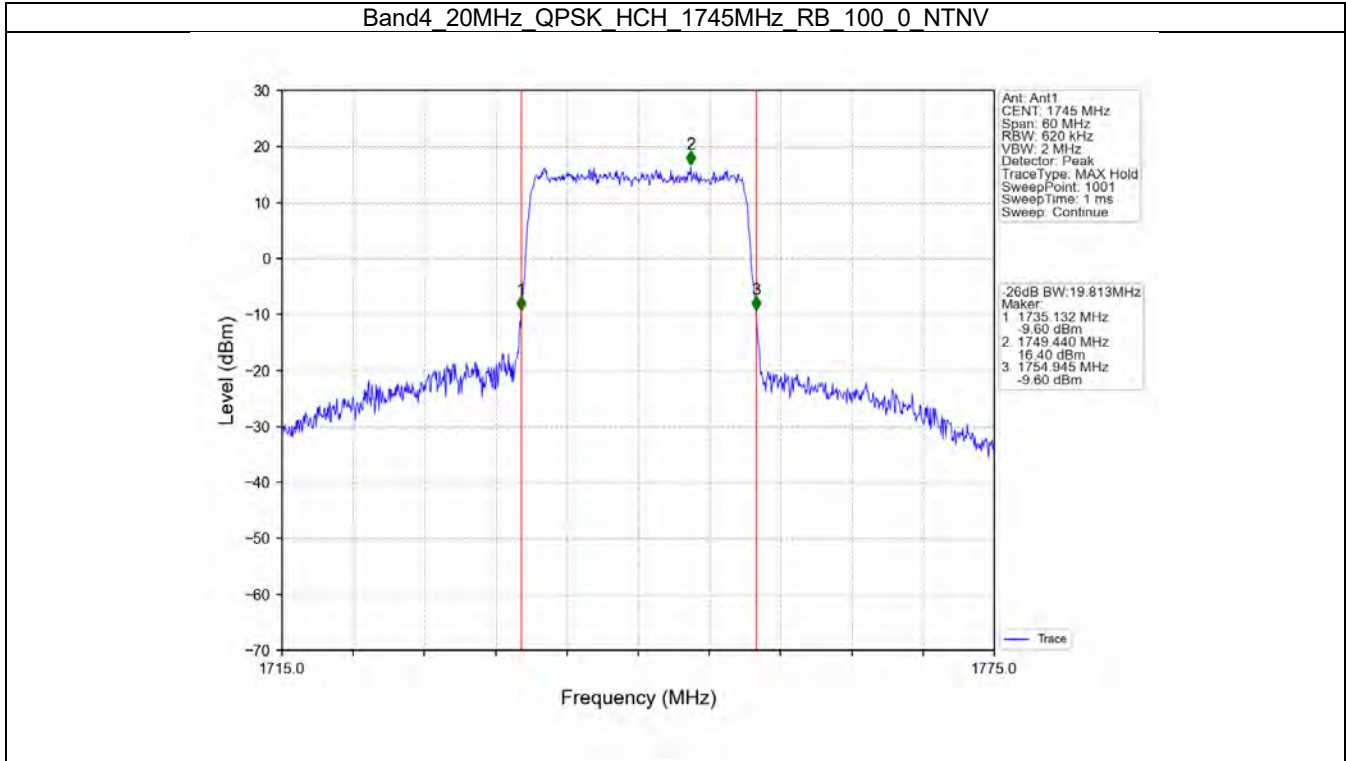
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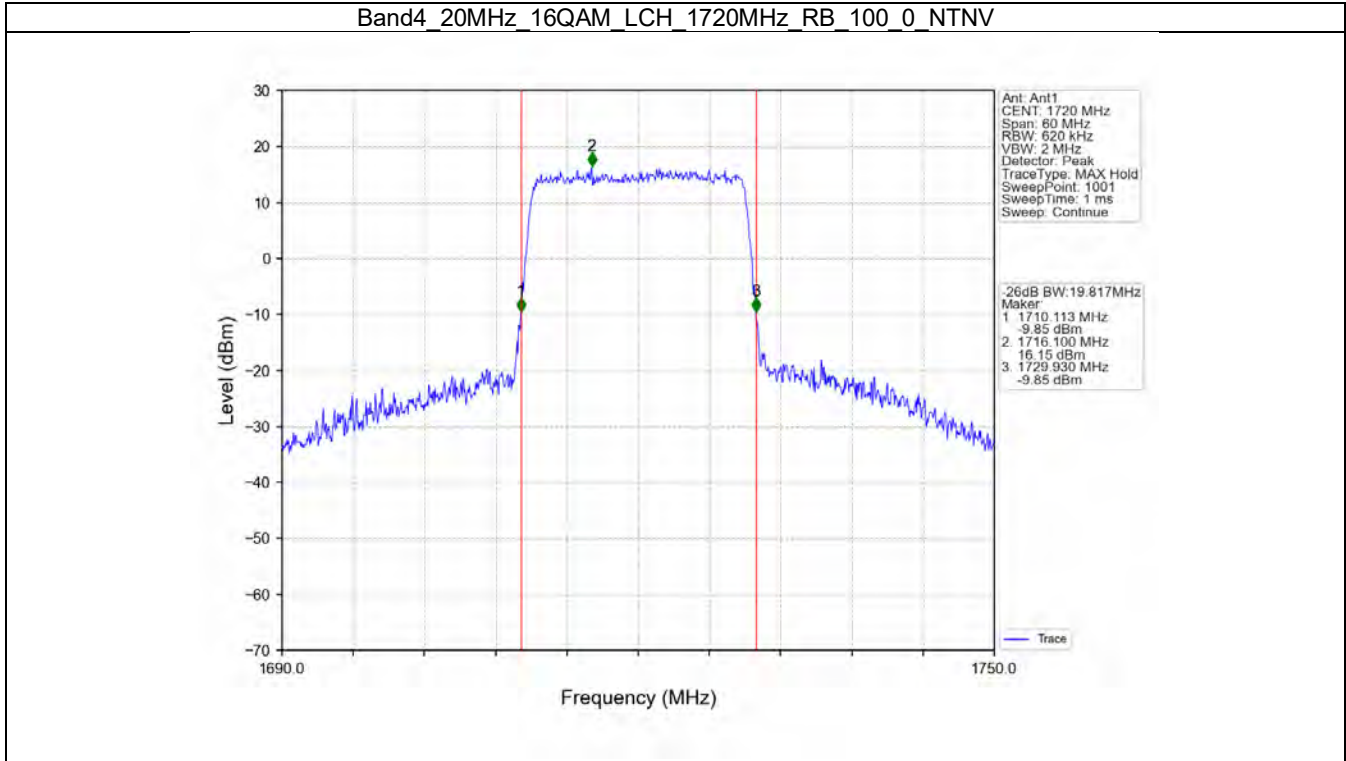
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