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Appendix B.2

LTE Band 4



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

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	22.96	2.98	25.94	<=30	Pass
			2	22.99	2.98	25.97	<=30	Pass
			5	22.93	2.98	25.91	<=30	Pass
		3	0	22.95	2.98	25.93	<=30	Pass
			2	22.97	2.98	25.95	<=30	Pass
			3	22.96	2.98	25.94	<=30	Pass
	6	0	21.95	2.98	24.93	<=30	Pass	
	1732.5	1	0	23.00	2.98	25.98	<=30	Pass
			2	23.06	2.98	26.04	<=30	Pass
			5	23.05	2.98	26.03	<=30	Pass
		3	0	23.03	2.98	26.01	<=30	Pass
			2	23.02	2.98	26.00	<=30	Pass
			3	23.04	2.98	26.02	<=30	Pass
	6	0	22.03	2.98	25.01	<=30	Pass	
	1754.3	1	0	22.97	2.98	25.95	<=30	Pass
			2	22.99	2.98	25.97	<=30	Pass
			5	22.96	2.98	25.94	<=30	Pass
		3	0	22.98	2.98	25.96	<=30	Pass
2			22.98	2.98	25.96	<=30	Pass	
3			22.97	2.98	25.95	<=30	Pass	
6	0	22.01	2.98	24.99	<=30	Pass		
16QAM	1710.7	1	0	22.04	2.98	25.02	<=30	Pass
			2	22.07	2.98	25.05	<=30	Pass
			5	22.09	2.98	25.07	<=30	Pass
		3	0	22.07	2.98	25.05	<=30	Pass
			2	22.09	2.98	25.07	<=30	Pass
			3	22.00	2.98	24.98	<=30	Pass
	6	0	21.00	2.98	23.98	<=30	Pass	
	1732.5	1	0	22.14	2.98	25.12	<=30	Pass
			2	22.23	2.98	25.21	<=30	Pass
			5	22.18	2.98	25.16	<=30	Pass
		3	0	22.02	2.98	25.00	<=30	Pass
			2	22.08	2.98	25.06	<=30	Pass
			3	22.05	2.98	25.03	<=30	Pass
	6	0	21.13	2.98	24.11	<=30	Pass	
	1754.3	1	0	22.05	2.98	25.03	<=30	Pass
			2	22.14	2.98	25.12	<=30	Pass



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Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)				Verdict		
			5	0	2	<=30			
64QAM	1710.7	3	5	22.11	2.98	25.09	<=30	Pass	
			0	22.11	2.98	25.09	<=30	Pass	
			2	22.09	2.98	25.07	<=30	Pass	
		6	3	3	22.06	2.98	25.04	<=30	Pass
				0	21.07	2.98	24.05	<=30	Pass
				2	21.14	2.98	24.12	<=30	Pass
	1732.5	1	3	5	21.06	2.98	24.04	<=30	Pass
				0	21.13	2.98	24.11	<=30	Pass
				2	21.03	2.98	24.01	<=30	Pass
		6	3	3	21.05	2.98	24.03	<=30	Pass
				0	19.98	2.98	22.96	<=30	Pass
				2	21.19	2.98	24.17	<=30	Pass
	1754.3	1	3	5	21.25	2.98	24.23	<=30	Pass
				0	21.14	2.98	24.12	<=30	Pass
				2	21.09	2.98	24.07	<=30	Pass
		6	3	3	21.11	2.98	24.09	<=30	Pass
				0	20.02	2.98	23.00	<=30	Pass
				2	21.16	2.98	24.14	<=30	Pass
	1754.3	1	3	5	21.19	2.98	24.17	<=30	Pass
				0	21.01	2.98	23.99	<=30	Pass
				2	21.00	2.98	23.98	<=30	Pass
		6	3	3	21.06	2.98	24.04	<=30	Pass
				0	20.03	2.98	23.01	<=30	Pass
				2	22.00	2.98	24.98	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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	22.91	2.98	25.89	<=30	Pass
			7	22.98	2.98	25.96	<=30	Pass
			14	22.90	2.98	25.88	<=30	Pass
		8	0	22.06	2.98	25.04	<=30	Pass
			4	22.04	2.98	25.02	<=30	Pass
			7	22.00	2.98	24.98	<=30	Pass
	1732.5	15	0	22.01	2.98	24.99	<=30	Pass
			0	23.00	2.98	25.98	<=30	Pass
			7	23.08	2.98	26.06	<=30	Pass
		8	14	22.99	2.98	25.97	<=30	Pass
			0	22.00	2.98	24.98	<=30	Pass
			0	22.00	2.98	24.98	<=30	Pass



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16QAM	1753.5	15	4	22.08	2.98	25.06	<=30	Pass		
			7	22.06	2.98	25.04	<=30	Pass		
			0	21.99	2.98	24.97	<=30	Pass		
		8	1	0	23.01	2.98	25.99	<=30	Pass	
				7	23.05	2.98	26.03	<=30	Pass	
				14	22.95	2.98	25.93	<=30	Pass	
	15	8	0	22.03	2.98	25.01	<=30	Pass		
			4	22.04	2.98	25.02	<=30	Pass		
			7	22.00	2.98	24.98	<=30	Pass		
	16QAM	1711.5	15	0	22.10	2.98	25.08	<=30	Pass	
				7	22.16	2.98	25.14	<=30	Pass	
				14	22.10	2.98	25.08	<=30	Pass	
			8	1	0	21.04	2.98	24.02	<=30	Pass
					4	21.06	2.98	24.04	<=30	Pass
					7	21.05	2.98	24.03	<=30	Pass
15		8	0	21.08	2.98	24.06	<=30	Pass		
			0	22.19	2.98	25.17	<=30	Pass		
			7	22.24	2.98	25.22	<=30	Pass		
16QAM		1732.5	15	14	22.06	2.98	25.04	<=30	Pass	
				0	21.04	2.98	24.02	<=30	Pass	
				4	21.14	2.98	24.12	<=30	Pass	
			8	1	7	21.10	2.98	24.08	<=30	Pass
					0	21.05	2.98	24.03	<=30	Pass
					0	22.12	2.98	25.10	<=30	Pass
16QAM	1753.5	15	7	22.19	2.98	25.17	<=30	Pass		
			14	22.12	2.98	25.10	<=30	Pass		
			0	21.12	2.98	24.10	<=30	Pass		
		8	1	4	21.09	2.98	24.07	<=30	Pass	
				7	21.06	2.98	24.04	<=30	Pass	
				0	21.05	2.98	24.03	<=30	Pass	
64QAM	1711.5	15	0	21.06	2.98	24.04	<=30	Pass		
			7	21.18	2.98	24.16	<=30	Pass		
			14	21.01	2.98	23.99	<=30	Pass		
		8	1	0	20.04	2.98	23.02	<=30	Pass	
				4	20.05	2.98	23.03	<=30	Pass	
				7	20.04	2.98	23.02	<=30	Pass	
	15	8	0	20.03	2.98	23.01	<=30	Pass		
			0	21.15	2.98	24.13	<=30	Pass		
			7	21.38	2.98	24.36	<=30	Pass		
	64QAM	1732.5	15	14	21.30	2.98	24.28	<=30	Pass	
				0	20.07	2.98	23.05	<=30	Pass	
				4	20.17	2.98	23.15	<=30	Pass	
			8	1	7	20.15	2.98	23.13	<=30	Pass
					0	20.05	2.98	23.03	<=30	Pass
					0	21.21	2.98	24.19	<=30	Pass
64QAM	1753.5	1	7	21.22	2.98	24.20	<=30	Pass		
			14	21.19	2.98	24.17	<=30	Pass		



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	8	0	20.07	2.98	23.05	<=30	Pass
		4	20.09	2.98	23.07	<=30	Pass
		7	20.02	2.98	23.00	<=30	Pass
	15	0	20.05	2.98	23.03	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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	22.98	2.98	25.96	<=30	Pass		
			13	23.05	2.98	26.03	<=30	Pass		
			24	22.98	2.98	25.96	<=30	Pass		
		12	0	22.08	2.98	25.06	<=30	Pass		
			6	22.06	2.98	25.04	<=30	Pass		
			13	22.06	2.98	25.04	<=30	Pass		
		25	0	22.07	2.98	25.05	<=30	Pass		
		1732.5	1	0	23.01	2.98	25.99	<=30	Pass	
				13	23.12	2.98	26.10	<=30	Pass	
	24			23.02	2.98	26.00	<=30	Pass		
	12		0	22.08	2.98	25.06	<=30	Pass		
			6	22.04	2.98	25.02	<=30	Pass		
			13	22.13	2.98	25.11	<=30	Pass		
	25	0	22.03	2.98	25.01	<=30	Pass			
	1752.5	1	0	23.04	2.98	26.02	<=30	Pass		
			13	23.07	2.98	26.05	<=30	Pass		
			24	22.99	2.98	25.97	<=30	Pass		
		12	0	22.09	2.98	25.07	<=30	Pass		
			6	22.05	2.98	25.03	<=30	Pass		
			13	22.09	2.98	25.07	<=30	Pass		
		25	0	22.11	2.98	25.09	<=30	Pass		
		16QAM	1712.5	1	0	22.02	2.98	25.00	<=30	Pass
					13	22.17	2.98	25.15	<=30	Pass
	24				21.97	2.98	24.95	<=30	Pass	
12	0			21.10	2.98	24.08	<=30	Pass		
	6			21.10	2.98	24.08	<=30	Pass		
	13			21.08	2.98	24.06	<=30	Pass		
25	0		21.09	2.98	24.07	<=30	Pass			
1732.5	1		0	22.10	2.98	25.08	<=30	Pass		
			13	22.20	2.98	25.18	<=30	Pass		
			24	22.16	2.98	25.14	<=30	Pass		
	12		0	21.06	2.98	24.04	<=30	Pass		
			6	21.05	2.98	24.03	<=30	Pass		



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64QAM	1752.5	25	13	21.19	2.98	24.17	<=30	Pass	
			0	21.08	2.98	24.06	<=30	Pass	
			0	22.29	2.98	25.27	<=30	Pass	
		12	1	13	22.26	2.98	25.24	<=30	Pass
			24	22.15	2.98	25.13	<=30	Pass	
			0	21.14	2.98	24.12	<=30	Pass	
	25	6	21.11	2.98	24.09	<=30	Pass		
		13	21.14	2.98	24.12	<=30	Pass		
		0	21.10	2.98	24.08	<=30	Pass		
	64QAM	1712.5	1	0	21.21	2.98	24.19	<=30	Pass
				13	21.32	2.98	24.30	<=30	Pass
				24	21.18	2.98	24.16	<=30	Pass
12			0	20.12	2.98	23.10	<=30	Pass	
			6	20.12	2.98	23.10	<=30	Pass	
			13	20.13	2.98	23.11	<=30	Pass	
25		0	20.14	2.98	23.12	<=30	Pass		
1732.5		1	0	21.14	2.98	24.12	<=30	Pass	
			13	21.26	2.98	24.24	<=30	Pass	
			24	21.20	2.98	24.18	<=30	Pass	
		12	0	20.09	2.98	23.07	<=30	Pass	
			6	20.04	2.98	23.02	<=30	Pass	
	13		20.13	2.98	23.11	<=30	Pass		
25	0	20.02	2.98	23.00	<=30	Pass			
1752.5	1	0	21.12	2.98	24.10	<=30	Pass		
		13	21.12	2.98	24.10	<=30	Pass		
		24	21.09	2.98	24.07	<=30	Pass		
	12	0	20.15	2.98	23.13	<=30	Pass		
		6	20.12	2.98	23.10	<=30	Pass		
		13	20.09	2.98	23.07	<=30	Pass		
25	0	20.08	2.98	23.06	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.98	2.98	25.96	<=30	Pass
			25	23.00	2.98	25.98	<=30	Pass
			49	22.93	2.98	25.91	<=30	Pass
		25	0	22.14	2.98	25.12	<=30	Pass
			13	22.14	2.98	25.12	<=30	Pass
			25	22.09	2.98	25.07	<=30	Pass
		50	0	22.26	2.98	25.24	<=30	Pass



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	1732.5	1	0	23.05	2.98	26.03	<=30	Pass
			25	23.05	2.98	26.03	<=30	Pass
			49	23.00	2.98	25.98	<=30	Pass
		25	0	22.05	2.98	25.03	<=30	Pass
			13	22.08	2.98	25.06	<=30	Pass
			25	22.12	2.98	25.10	<=30	Pass
	1750	1	0	23.09	2.98	26.07	<=30	Pass
			25	23.08	2.98	26.06	<=30	Pass
			49	22.97	2.98	25.95	<=30	Pass
		25	0	22.16	2.98	25.14	<=30	Pass
			13	22.19	2.98	25.17	<=30	Pass
			25	22.09	2.98	25.07	<=30	Pass
16QAM	1715	1	0	22.22	2.98	25.20	<=30	Pass
			25	22.13	2.98	25.11	<=30	Pass
			49	22.06	2.98	25.04	<=30	Pass
		25	0	21.13	2.98	24.11	<=30	Pass
			13	21.15	2.98	24.13	<=30	Pass
			25	21.11	2.98	24.09	<=30	Pass
	1732.5	1	0	22.22	2.98	25.20	<=30	Pass
			25	22.26	2.98	25.24	<=30	Pass
			49	22.19	2.98	25.17	<=30	Pass
		25	0	21.04	2.98	24.02	<=30	Pass
			13	21.09	2.98	24.07	<=30	Pass
			25	21.17	2.98	24.15	<=30	Pass
1750	1	0	22.16	2.98	25.14	<=30	Pass	
		25	22.17	2.98	25.15	<=30	Pass	
		49	22.18	2.98	25.16	<=30	Pass	
	25	0	21.21	2.98	24.19	<=30	Pass	
		13	21.16	2.98	24.14	<=30	Pass	
		25	21.11	2.98	24.09	<=30	Pass	
64QAM	1715	1	0	21.28	2.98	24.26	<=30	Pass
			25	21.13	2.98	24.11	<=30	Pass
			49	21.23	2.98	24.21	<=30	Pass
		25	0	20.17	2.98	23.15	<=30	Pass
			13	20.13	2.98	23.11	<=30	Pass
			25	20.12	2.98	23.10	<=30	Pass
	1732.5	1	0	20.25	2.98	23.23	<=30	Pass
			25	21.04	2.98	24.02	<=30	Pass
			49	21.27	2.98	24.25	<=30	Pass
		25	0	21.13	2.98	24.11	<=30	Pass
			13	20.07	2.98	23.05	<=30	Pass
			25	20.12	2.98	23.10	<=30	Pass
			25	20.17	2.98	23.15	<=30	Pass



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1750	50	0	20.21	2.98	23.19	<=30	Pass	
		1	0	21.23	2.98	24.21	<=30	Pass
			25	21.26	2.98	24.24	<=30	Pass
	25	49	21.21	2.98	24.19	<=30	Pass	
		0	20.21	2.98	23.19	<=30	Pass	
		13	20.14	2.98	23.12	<=30	Pass	
	50	25	20.14	2.98	23.12	<=30	Pass	
		0	20.29	2.98	23.27	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	23.01	2.98	25.99	<=30	Pass		
			38	23.00	2.98	25.98	<=30	Pass		
			74	22.91	2.98	25.89	<=30	Pass		
		36	0	22.07	2.98	25.05	<=30	Pass		
			18	22.12	2.98	25.10	<=30	Pass		
			39	22.11	2.98	25.09	<=30	Pass		
		75	0	22.19	2.98	25.17	<=30	Pass		
			0	23.01	2.98	25.99	<=30	Pass		
			38	23.08	2.98	26.06	<=30	Pass		
	1732.5	1	74	23.06	2.98	26.04	<=30	Pass		
			0	22.07	2.98	25.05	<=30	Pass		
			18	22.06	2.98	25.04	<=30	Pass		
		36	39	22.14	2.98	25.12	<=30	Pass		
			0	22.11	2.98	25.09	<=30	Pass		
			0	23.10	2.98	26.08	<=30	Pass		
		1747.5	1	38	23.14	2.98	26.12	<=30	Pass	
				74	23.06	2.98	26.04	<=30	Pass	
				0	22.18	2.98	25.16	<=30	Pass	
	36		18	22.20	2.98	25.18	<=30	Pass		
			39	22.12	2.98	25.10	<=30	Pass		
			0	22.24	2.98	25.22	<=30	Pass		
	16QAM		1717.5	1	0	22.14	2.98	25.12	<=30	Pass
					38	22.28	2.98	25.26	<=30	Pass
					74	22.14	2.98	25.12	<=30	Pass
36		0		21.06	2.98	24.04	<=30	Pass		
		18		21.10	2.98	24.08	<=30	Pass		
		39		21.09	2.98	24.07	<=30	Pass		
75		0		21.19	2.98	24.17	<=30	Pass		
		0		22.20	2.98	25.18	<=30	Pass		
		1732.5		1	0	22.20	2.98	25.18	<=30	Pass



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Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)		Gain (dBi)	EIRP (dBm)		Verdict		
			Size	Offset		Result	Limit			
64QAM	1747.5	36	38	22.16	2.98	25.14	<=30	Pass		
			74	22.24	2.98	25.22	<=30	Pass		
			0	21.06	2.98	24.04	<=30	Pass		
			18	21.09	2.98	24.07	<=30	Pass		
			39	21.16	2.98	24.14	<=30	Pass		
			75	0	21.17	2.98	24.15	<=30	Pass	
		1	0	22.15	2.98	25.13	<=30	Pass		
			38	22.24	2.98	25.22	<=30	Pass		
			74	22.10	2.98	25.08	<=30	Pass		
			0	21.21	2.98	24.19	<=30	Pass		
			18	21.22	2.98	24.20	<=30	Pass		
			39	21.16	2.98	24.14	<=30	Pass		
	1717.5	36	75	0	21.26	2.98	24.24	<=30	Pass	
			1	0	21.25	2.98	24.23	<=30	Pass	
			38	21.35	2.98	24.33	<=30	Pass		
			74	21.12	2.98	24.10	<=30	Pass		
			0	20.08	2.98	23.06	<=30	Pass		
			18	20.12	2.98	23.10	<=30	Pass		
		1	39	20.09	2.98	23.07	<=30	Pass		
			75	0	20.16	2.98	23.14	<=30	Pass	
			1732.5	36	0	21.09	2.98	24.07	<=30	Pass
					38	21.21	2.98	24.19	<=30	Pass
					74	21.23	2.98	24.21	<=30	Pass
				1	0	20.05	2.98	23.03	<=30	Pass
18	20.06	2.98			23.04	<=30	Pass			
39	20.14	2.98			23.12	<=30	Pass			
1747.5	36	75	0	20.12	2.98	23.10	<=30	Pass		
		1	0	21.35	2.98	24.33	<=30	Pass		
		38	21.34	2.98	24.32	<=30	Pass			
		74	21.17	2.98	24.15	<=30	Pass			
		0	20.20	2.98	23.18	<=30	Pass			
		18	20.20	2.98	23.18	<=30	Pass			
	1	39	20.14	2.98	23.12	<=30	Pass			
		75	0	20.25	2.98	23.23	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

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	23.05	2.98	26.03	<=30	Pass
			50	23.05	2.98	26.03	<=30	Pass
			99	22.92	2.98	25.90	<=30	Pass



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	50	0	22.10	2.98	25.08	<=30	Pass		
		25	22.14	2.98	25.12	<=30	Pass		
		50	22.07	2.98	25.05	<=30	Pass		
	100	0	22.26	2.98	25.24	<=30	Pass		
		1	23.07	2.98	26.05	<=30	Pass		
		50	23.10	2.98	26.08	<=30	Pass		
	1732.5	1	99	23.06	2.98	26.04	<=30	Pass	
			0	22.05	2.98	25.03	<=30	Pass	
			25	22.09	2.98	25.07	<=30	Pass	
		50	50	22.17	2.98	25.15	<=30	Pass	
			100	22.23	2.98	25.21	<=30	Pass	
			1	23.05	2.98	26.03	<=30	Pass	
1745	1	50	23.11	2.98	26.09	<=30	Pass		
		99	23.00	2.98	25.98	<=30	Pass		
		0	22.20	2.98	25.18	<=30	Pass		
	50	25	22.20	2.98	25.18	<=30	Pass		
		50	22.16	2.98	25.14	<=30	Pass		
		100	22.34	2.98	25.32	<=30	Pass		
16QAM	1720	1	0	22.25	2.98	25.23	<=30	Pass	
			50	22.21	2.98	25.19	<=30	Pass	
			99	22.10	2.98	25.08	<=30	Pass	
		50	0	21.10	2.98	24.08	<=30	Pass	
			25	21.15	2.98	24.13	<=30	Pass	
			50	21.04	2.98	24.02	<=30	Pass	
	100	0	21.26	2.98	24.24	<=30	Pass		
		1	22.10	2.98	25.08	<=30	Pass		
		50	22.09	2.98	25.07	<=30	Pass		
	1732.5	1	99	22.16	2.98	25.14	<=30	Pass	
			0	21.08	2.98	24.06	<=30	Pass	
			25	21.10	2.98	24.08	<=30	Pass	
		50	50	21.17	2.98	24.15	<=30	Pass	
			100	21.22	2.98	24.20	<=30	Pass	
			1	22.34	2.98	25.32	<=30	Pass	
	1745	1	50	22.29	2.98	25.27	<=30	Pass	
			99	22.23	2.98	25.21	<=30	Pass	
			0	21.19	2.98	24.17	<=30	Pass	
		50	25	21.19	2.98	24.17	<=30	Pass	
			50	21.17	2.98	24.15	<=30	Pass	
			100	21.31	2.98	24.29	<=30	Pass	
	64QAM	1720	1	0	21.28	2.98	24.26	<=30	Pass
				50	21.25	2.98	24.23	<=30	Pass
				99	21.01	2.98	23.99	<=30	Pass
50			0	20.05	2.98	23.03	<=30	Pass	
			25	20.14	2.98	23.12	<=30	Pass	
			50	20.03	2.98	23.01	<=30	Pass	
100		0	20.29	2.98	23.27	<=30	Pass		
		1732.5	1	21.37	2.98	24.35	<=30	Pass	
		50	21.25	2.98	24.23	<=30	Pass		



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	1745	50	99	21.24	2.98	24.22	<=30	Pass
			0	20.05	2.98	23.03	<=30	Pass
			25	20.10	2.98	23.08	<=30	Pass
		100	50	20.15	2.98	23.13	<=30	Pass
			0	20.17	2.98	23.15	<=30	Pass
			1	0	21.28	2.98	24.26	<=30
	1745	1	50	21.28	2.98	24.26	<=30	Pass
			99	21.19	2.98	24.17	<=30	Pass
			0	20.22	2.98	23.20	<=30	Pass
		50	25	20.24	2.98	23.22	<=30	Pass
			50	20.17	2.98	23.15	<=30	Pass
			100	0	20.29	2.98	23.27	<=30

Note1: EIRP=Conducted Power+Antenna Gain



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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	3.3	-17.305	-0.0101	/	Pass
					3.8	-15.304	-0.0089	/	Pass
					4.3	-15.405	-0.0090	/	Pass
				-30	3.8	-12.126	-0.0071	/	Pass
				-20	3.8	-10.995	-0.0064	/	Pass
				-10	3.8	-9.076	-0.0053	/	Pass
				0	3.8	-6.515	-0.0038	/	Pass
				10	3.8	-6.095	-0.0036	/	Pass
				30	3.8	-5.512	-0.0032	/	Pass
	40	3.8	-4.005	-0.0023	/	Pass			
	50	3.8	-3.580	-0.0021	/	Pass			
	1732.5	6	0	20	3.3	-12.071	-0.0070	/	Pass
					3.8	-14.162	-0.0082	/	Pass
					4.3	-16.170	-0.0093	/	Pass
				-30	3.8	-18.332	-0.0106	/	Pass
				-20	3.8	-17.631	-0.0102	/	Pass
				-10	3.8	-17.289	-0.0100	/	Pass
				0	3.8	-15.237	-0.0088	/	Pass
				10	3.8	-13.041	-0.0075	/	Pass
				30	3.8	-11.696	-0.0068	/	Pass
	40	3.8	-8.393	-0.0048	/	Pass			
	50	3.8	-7.311	-0.0042	/	Pass			
	1754.3	6	0	20	3.3	-7.218	-0.0041	/	Pass
					3.8	-8.222	-0.0047	/	Pass
					4.3	-10.494	-0.0060	/	Pass
				-30	3.8	-10.887	-0.0062	/	Pass
				-20	3.8	-14.596	-0.0083	/	Pass
-10				3.8	-17.174	-0.0098	/	Pass	
0				3.8	-17.531	-0.0100	/	Pass	
10				3.8	-17.377	-0.0099	/	Pass	
30				3.8	-16.558	-0.0094	/	Pass	
40	3.8	-14.914	-0.0085	/	Pass				
50	3.8	-12.498	-0.0071	/	Pass				
16QAM	1710.7	6	0	20	3.3	-2.148	-0.0013	/	Pass
					3.8	-1.913	-0.0011	/	Pass
					4.3	-2.177	-0.0013	/	Pass
				-30	3.8	-1.346	-0.0008	/	Pass



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64QAM				-20	3.8	-1.382	-0.0008	/	Pass		
				-10	3.8	-0.694	-0.0004	/	Pass		
				0	3.8	-0.785	-0.0005	/	Pass		
				10	3.8	0.138	0.0001	/	Pass		
				30	3.8	-0.207	-0.0001	/	Pass		
				40	3.8	-0.329	-0.0002	/	Pass		
				50	3.8	-0.392	-0.0002	/	Pass		
	1732.5	6	0	20	3.3	-5.810	-0.0034	/	Pass		
					3.8	-4.862	-0.0028	/	Pass		
					4.3	-3.329	-0.0019	/	Pass		
				-30	3.8	-3.123	-0.0018	/	Pass		
				-20	3.8	-2.745	-0.0016	/	Pass		
				-10	3.8	-1.642	-0.0009	/	Pass		
				0	3.8	-0.733	-0.0004	/	Pass		
				10	3.8	-1.957	-0.0011	/	Pass		
				30	3.8	-0.969	-0.0006	/	Pass		
				40	3.8	-1.574	-0.0009	/	Pass		
	50	3.8	-1.205	-0.0007	/	Pass					
	1754.3	6	0	20	3.3	-10.508	-0.0060	/	Pass		
					3.8	-7.454	-0.0042	/	Pass		
					4.3	-5.984	-0.0034	/	Pass		
				-30	3.8	-4.790	-0.0027	/	Pass		
				-20	3.8	-4.307	-0.0025	/	Pass		
				-10	3.8	-4.510	-0.0026	/	Pass		
				0	3.8	-2.948	-0.0017	/	Pass		
				10	3.8	-1.867	-0.0011	/	Pass		
				30	3.8	-1.688	-0.0010	/	Pass		
				40	3.8	-1.802	-0.0010	/	Pass		
50	3.8	-1.470	-0.0008	/	Pass						
1710.7	6	0	20	3.3	0.334	0.0002	/	Pass			
				3.8	-0.862	-0.0005	/	Pass			
				4.3	-0.614	-0.0004	/	Pass			
			-30	3.8	-0.641	-0.0004	/	Pass			
			-20	3.8	0.392	0.0002	/	Pass			
			-10	3.8	0.176	0.0001	/	Pass			
			0	3.8	-0.366	-0.0002	/	Pass			
			10	3.8	-0.757	-0.0004	/	Pass			
			30	3.8	-0.217	-0.0001	/	Pass			
			40	3.8	0.993	0.0006	/	Pass			
			50	3.8	-0.620	-0.0004	/	Pass			
			1732.5	6	0	20	3.3	-0.220	-0.0001	/	Pass
							3.8	-0.448	-0.0003	/	Pass
							4.3	-0.965	-0.0006	/	Pass
						-30	3.8	-0.829	-0.0005	/	Pass
-20	3.8	-1.133				-0.0007	/	Pass			
-10	3.8	-0.405				-0.0002	/	Pass			
0	3.8	-0.268				-0.0002	/	Pass			
10	3.8	0.112	0.0001	/	Pass						



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				30	3.8	-0.493	-0.0003	/	Pass		
							40	3.8	0.058	0.0000	/
			50	3.8	0.106	0.0001	/	Pass			
1754.3	6	0	20	3.3	-0.839	-0.0005	/	Pass			
				3.8	-1.041	-0.0006	/	Pass			
				4.3	-0.850	-0.0005	/	Pass			
						-30	3.8	-0.543	-0.0003	/	Pass
						-20	3.8	-0.771	-0.0004	/	Pass
						-10	3.8	-0.791	-0.0005	/	Pass
						0	3.8	0.322	0.0002	/	Pass
						10	3.8	-0.864	-0.0005	/	Pass
						30	3.8	-0.875	-0.0005	/	Pass
						40	3.8	-0.177	-0.0001	/	Pass
						50	3.8	0.133	0.0001	/	Pass

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	3.3	-0.525	-0.0003	/	Pass			
					3.8	-0.103	-0.0001	/	Pass			
					4.3	0.404	0.0002	/	Pass			
							-30	3.8	-0.241	-0.0001	/	Pass
							-20	3.8	-0.264	-0.0002	/	Pass
							-10	3.8	0.046	0.0000	/	Pass
							0	3.8	-0.578	-0.0003	/	Pass
							10	3.8	0.021	0.0000	/	Pass
							30	3.8	-0.847	-0.0005	/	Pass
							40	3.8	-0.428	-0.0003	/	Pass
				50	3.8	-0.767	-0.0004	/	Pass			
		1732.5	15	0	20	3.3	-1.693	-0.0010	/	Pass		
	3.8					-0.871	-0.0005	/	Pass			
	4.3					-1.005	-0.0006	/	Pass			
							-30	3.8	-1.026	-0.0006	/	Pass
							-20	3.8	-1.403	-0.0008	/	Pass
							-10	3.8	-1.297	-0.0007	/	Pass
							0	3.8	-0.993	-0.0006	/	Pass
							10	3.8	-1.334	-0.0008	/	Pass
							30	3.8	-0.519	-0.0003	/	Pass
						40	3.8	-1.511	-0.0009	/	Pass	
			50	3.8	-0.874	-0.0005	/	Pass				
	1753.5	15	0	20	3.3	-0.012	0.0000	/	Pass			
3.8					0.348	0.0002	/	Pass				



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					4.3	0.060	0.0000	/	Pass
				-30	3.8	-0.350	-0.0002	/	Pass
				-20	3.8	-0.802	-0.0005	/	Pass
				-10	3.8	-0.111	-0.0001	/	Pass
				0	3.8	-0.367	-0.0002	/	Pass
				10	3.8	0.281	0.0002	/	Pass
				30	3.8	0.085	0.0000	/	Pass
				40	3.8	-0.566	-0.0003	/	Pass
				50	3.8	-0.291	-0.0002	/	Pass
16QAM	1711.5	15	0	20	3.3	-0.657	-0.0004	/	Pass
					3.8	0.094	0.0001	/	Pass
					4.3	-0.793	-0.0005	/	Pass
				-30	3.8	-0.402	-0.0002	/	Pass
				-20	3.8	-0.695	-0.0004	/	Pass
				-10	3.8	-0.375	-0.0002	/	Pass
				0	3.8	-0.232	-0.0001	/	Pass
				10	3.8	-0.929	-0.0005	/	Pass
				30	3.8	-0.892	-0.0005	/	Pass
				40	3.8	-0.415	-0.0002	/	Pass
				50	3.8	-0.965	-0.0006	/	Pass
				1732.5	15	0	20	3.3	-1.520
	3.8	-0.732	-0.0004					/	Pass
	4.3	-1.274	-0.0007					/	Pass
	-30	3.8	-1.105				-0.0006	/	Pass
	-20	3.8	-0.673				-0.0004	/	Pass
	-10	3.8	-0.069				0.0000	/	Pass
	0	3.8	-2.094				-0.0012	/	Pass
	10	3.8	-1.270				-0.0007	/	Pass
	30	3.8	-1.274				-0.0007	/	Pass
	40	3.8	-1.192				-0.0007	/	Pass
	50	3.8	-1.522				-0.0009	/	Pass
	1753.5	15	0				20	3.3	0.638
				3.8	0.505	0.0003		/	Pass
4.3				-0.035	0.0000	/		Pass	
-30				3.8	-0.162	-0.0001	/	Pass	
-20				3.8	0.367	0.0002	/	Pass	
-10				3.8	0.277	0.0002	/	Pass	
0				3.8	-0.036	0.0000	/	Pass	
10				3.8	0.785	0.0004	/	Pass	
30				3.8	-0.632	-0.0004	/	Pass	
40				3.8	-0.502	-0.0003	/	Pass	
50				3.8	0.041	0.0000	/	Pass	
64QAM				1711.5	15	0	20	3.3	-0.881
	3.8	0.121	0.0001					/	Pass
	4.3	-1.492	-0.0009					/	Pass
	-30	3.8	-1.314				-0.0008	/	Pass
	-20	3.8	-1.016				-0.0006	/	Pass
	-10	3.8	-0.998				-0.0006	/	Pass



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	1732.5	15	0	0	3.8	-1.310	-0.0008	/	Pass
				10	3.8	-0.610	-0.0004	/	Pass
				30	3.8	-1.664	-0.0010	/	Pass
				40	3.8	-0.437	-0.0003	/	Pass
				50	3.8	-0.740	-0.0004	/	Pass
	1732.5	15	0	20	3.3	-1.178	-0.0007	/	Pass
					3.8	-0.951	-0.0005	/	Pass
					4.3	-0.985	-0.0006	/	Pass
				-30	3.8	-1.098	-0.0006	/	Pass
				-20	3.8	-1.185	-0.0007	/	Pass
				-10	3.8	-1.251	-0.0007	/	Pass
				0	3.8	-1.053	-0.0006	/	Pass
				10	3.8	-1.413	-0.0008	/	Pass
				30	3.8	-1.427	-0.0008	/	Pass
				40	3.8	-0.614	-0.0004	/	Pass
	50	3.8	-0.858	-0.0005	/	Pass			
	1753.5	15	0	20	3.3	0.562	0.0003	/	Pass
					3.8	0.242	0.0001	/	Pass
					4.3	0.474	0.0003	/	Pass
				-30	3.8	0.383	0.0002	/	Pass
-20				3.8	0.297	0.0002	/	Pass	
-10				3.8	-0.015	0.0000	/	Pass	
0				3.8	0.181	0.0001	/	Pass	
10				3.8	0.513	0.0003	/	Pass	
30				3.8	0.728	0.0004	/	Pass	
40				3.8	1.165	0.0007	/	Pass	
50	3.8	-0.611	-0.0003	/	Pass				

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	3.3	1.880	0.0011	/	Pass
					3.8	2.380	0.0014	/	Pass
					4.3	0.971	0.0006	/	Pass
				-30	3.8	2.094	0.0012	/	Pass
				-20	3.8	1.546	0.0009	/	Pass
				-10	3.8	2.296	0.0013	/	Pass
				0	3.8	1.374	0.0008	/	Pass
				10	3.8	1.040	0.0006	/	Pass
				30	3.8	1.132	0.0007	/	Pass
				40	3.8	1.079	0.0006	/	Pass
50	3.8	0.825	0.0005	/	Pass				



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1732.5	25	0	20	3.3	-0.516	-0.0003	/	Pass				
				3.8	-1.406	-0.0008	/	Pass				
				4.3	-1.357	-0.0008	/	Pass				
			-30	3.8	-0.548	-0.0003	/	Pass				
			-20	3.8	-0.558	-0.0003	/	Pass				
			-10	3.8	-0.257	-0.0001	/	Pass				
			0	3.8	-1.085	-0.0006	/	Pass				
			10	3.8	-0.437	-0.0003	/	Pass				
			30	3.8	-0.857	-0.0005	/	Pass				
			40	3.8	-1.144	-0.0007	/	Pass				
	50	3.8	-0.256	-0.0001	/	Pass						
	1752.5	25	0	20	3.3	-0.730	-0.0004	/	Pass			
					3.8	0.543	0.0003	/	Pass			
					4.3	0.010	0.0000	/	Pass			
				-30	3.8	0.138	0.0001	/	Pass			
				-20	3.8	0.787	0.0004	/	Pass			
				-10	3.8	0.543	0.0003	/	Pass			
				0	3.8	0.610	0.0003	/	Pass			
				10	3.8	-0.369	-0.0002	/	Pass			
30				3.8	0.376	0.0002	/	Pass				
40	3.8	0.894	0.0005	/	Pass							
50	3.8	0.689	0.0004	/	Pass							
16QAM	1712.5	25	20	3.3	0.962	0.0006	/	Pass				
				3.8	1.090	0.0006	/	Pass				
				4.3	0.585	0.0003	/	Pass				
			-30	3.8	0.508	0.0003	/	Pass				
			-20	3.8	1.589	0.0009	/	Pass				
			-10	3.8	0.777	0.0005	/	Pass				
			0	3.8	1.516	0.0009	/	Pass				
			10	3.8	1.082	0.0006	/	Pass				
			30	3.8	1.085	0.0006	/	Pass				
			40	3.8	0.921	0.0005	/	Pass				
			50	3.8	0.295	0.0002	/	Pass				
			1732.5	25	0	20	3.3	-1.463	-0.0008	/	Pass	
							3.8	-0.921	-0.0005	/	Pass	
	4.3	-0.592					-0.0003	/	Pass			
	-30	3.8				-0.266	-0.0002	/	Pass			
	-20	3.8				-1.867	-0.0011	/	Pass			
	-10	3.8				-0.705	-0.0004	/	Pass			
	0	3.8				-1.059	-0.0006	/	Pass			
	10	3.8				-0.549	-0.0003	/	Pass			
	30	3.8				-0.974	-0.0006	/	Pass			
	40	3.8				-0.503	-0.0003	/	Pass			
	50	3.8				0.003	0.0000	/	Pass			
	1752.5	25				0	20	3.3	0.448	0.0003	/	Pass
								3.8	1.263	0.0007	/	Pass
								4.3	0.771	0.0004	/	Pass
			-30	3.8	0.858		0.0005	/	Pass			



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				-20	3.8	0.099	0.0001	/	Pass	
				-10	3.8	0.247	0.0001	/	Pass	
				0	3.8	0.473	0.0003	/	Pass	
				10	3.8	1.430	0.0008	/	Pass	
				30	3.8	0.849	0.0005	/	Pass	
				40	3.8	0.145	0.0001	/	Pass	
				50	3.8	0.668	0.0004	/	Pass	
64QAM	1712.5	25	0	20	3.3	0.896	0.0005	/	Pass	
					3.8	0.739	0.0004	/	Pass	
					4.3	0.097	0.0001	/	Pass	
				-30	3.8	1.159	0.0007	/	Pass	
					-20	3.8	1.001	0.0006	/	Pass
					-10	3.8	0.725	0.0004	/	Pass
				0	3.8	0.157	0.0001	/	Pass	
					10	3.8	1.079	0.0006	/	Pass
					30	3.8	1.113	0.0006	/	Pass
					40	3.8	0.597	0.0003	/	Pass
					50	3.8	0.974	0.0006	/	Pass
					1732.5	25	0	20	3.3	0.295
	3.8	-0.635	-0.0004						/	Pass
	4.3	-0.080	0.0000						/	Pass
	-30	3.8	-0.518					-0.0003	/	Pass
		-20	3.8					-0.541	-0.0003	/
		-10	3.8	-0.418				-0.0002	/	Pass
	0	3.8	-0.138	-0.0001				/	Pass	
		10	3.8	-0.667				-0.0004	/	Pass
		30	3.8	-0.643				-0.0004	/	Pass
		40	3.8	-1.304				-0.0008	/	Pass
		50	3.8	-0.138	-0.0001	/	Pass			
		1752.5	25	0	20	3.3	0.461	0.0003	/	Pass
						3.8	0.902	0.0005	/	Pass
	4.3					1.129	0.0006	/	Pass	
	-30				3.8	0.840	0.0005	/	Pass	
					-20	3.8	0.235	0.0001	/	Pass
					-10	3.8	1.179	0.0007	/	Pass
0	3.8				0.923	0.0005	/	Pass		
	10				3.8	2.346	0.0013	/	Pass	
	30				3.8	1.289	0.0007	/	Pass	
	40				3.8	0.765	0.0004	/	Pass	
50	3.8	1.201	0.0007	/	Pass					

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz



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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	3.3	-0.060	0.0000	/	Pass	
					3.8	-1.133	-0.0007	/	Pass	
					4.3	-0.177	-0.0001	/	Pass	
				-30	3.8	-0.692	-0.0004	/	Pass	
					-20	3.8	-0.078	0.0000	/	Pass
						3.8	-0.626	-0.0004	/	Pass
					0	3.8	-0.422	-0.0002	/	Pass
					10	3.8	-0.504	-0.0003	/	Pass
					30	3.8	-0.430	-0.0003	/	Pass
					40	3.8	-0.549	-0.0003	/	Pass
	50	3.8	-1.021	-0.0006	/	Pass				
	1732.5	50	0	20	3.3	-0.911	-0.0005	/	Pass	
					3.8	-0.903	-0.0005	/	Pass	
					4.3	-0.847	-0.0005	/	Pass	
				-30	3.8	-1.056	-0.0006	/	Pass	
					-20	3.8	-1.507	-0.0009	/	Pass
						3.8	-1.427	-0.0008	/	Pass
					0	3.8	-1.440	-0.0008	/	Pass
					10	3.8	-1.870	-0.0011	/	Pass
					30	3.8	-1.562	-0.0009	/	Pass
					40	3.8	-1.537	-0.0009	/	Pass
	50	3.8	-1.016	-0.0006	/	Pass				
	1750	50	0	20	3.3	-0.166	-0.0001	/	Pass	
					3.8	1.788	0.0010	/	Pass	
					4.3	0.931	0.0005	/	Pass	
				-30	3.8	0.715	0.0004	/	Pass	
					-20	3.8	0.793	0.0005	/	Pass
						3.8	0.647	0.0004	/	Pass
					0	3.8	1.158	0.0007	/	Pass
					10	3.8	0.772	0.0004	/	Pass
30					3.8	0.240	0.0001	/	Pass	
40					3.8	0.363	0.0002	/	Pass	
50	3.8	0.408	0.0002	/	Pass					
16QAM	1715	50	0	20	3.3	-0.002	0.0000	/	Pass	
					3.8	-0.645	-0.0004	/	Pass	
					4.3	-0.131	-0.0001	/	Pass	
				-30	3.8	0.318	0.0002	/	Pass	
					-20	3.8	-0.232	-0.0001	/	Pass
						3.8	0.818	0.0005	/	Pass
					0	3.8	-0.421	-0.0002	/	Pass
					10	3.8	-1.155	-0.0007	/	Pass
					30	3.8	-0.438	-0.0003	/	Pass
					40	3.8	-0.667	-0.0004	/	Pass
	50	3.8	-0.640	-0.0004	/	Pass				
	1732.5	50	0	20	3.3	-1.724	-0.0010	/	Pass	
					3.8	-0.534	-0.0003	/	Pass	



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				4.3	-1.770	-0.0010	/	Pass
				-30	3.8	-1.081	-0.0006	Pass
				-20	3.8	-0.824	-0.0005	Pass
				-10	3.8	-1.291	-0.0007	Pass
				0	3.8	-1.453	-0.0008	Pass
				10	3.8	-1.830	-0.0011	Pass
				30	3.8	-1.449	-0.0008	Pass
				40	3.8	-1.560	-0.0009	Pass
				50	3.8	-0.845	-0.0005	Pass
	1750	50	0		3.3	0.679	0.0004	Pass
				20	3.8	1.183	0.0007	Pass
					4.3	1.124	0.0006	Pass
				-30	3.8	0.868	0.0005	Pass
				-20	3.8	0.669	0.0004	Pass
				-10	3.8	0.537	0.0003	Pass
				0	3.8	0.345	0.0002	Pass
				10	3.8	0.915	0.0005	Pass
				30	3.8	0.917	0.0005	Pass
				40	3.8	0.658	0.0004	Pass
				50	3.8	0.399	0.0002	Pass
	1715	50	0		3.3	0.436	0.0003	Pass
				20	3.8	-0.912	-0.0005	Pass
					4.3	-2.037	-0.0012	Pass
				-30	3.8	-0.337	-0.0002	Pass
				-20	3.8	-0.444	-0.0003	Pass
				-10	3.8	-0.331	-0.0002	Pass
				0	3.8	0.495	0.0003	Pass
				10	3.8	-0.138	-0.0001	Pass
				30	3.8	-1.113	-0.0006	Pass
				40	3.8	-0.147	-0.0001	Pass
				50	3.8	0.009	0.0000	Pass
	1732.5	50	0		3.3	-1.845	-0.0011	Pass
				20	3.8	-0.650	-0.0004	Pass
					4.3	-1.594	-0.0009	Pass
				-30	3.8	-0.483	-0.0003	Pass
				-20	3.8	-0.464	-0.0003	Pass
				-10	3.8	-1.789	-0.0010	Pass
				0	3.8	-0.263	-0.0002	Pass
				10	3.8	-1.200	-0.0007	Pass
				30	3.8	-1.571	-0.0009	Pass
				40	3.8	-1.957	-0.0011	Pass
				50	3.8	-0.583	-0.0003	Pass
	1750	50	0		3.3	-0.035	0.0000	Pass
				20	3.8	0.336	0.0002	Pass
					4.3	0.420	0.0002	Pass
				-30	3.8	-0.086	0.0000	Pass
				-20	3.8	1.759	0.0010	Pass
				-10	3.8	0.575	0.0003	Pass



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				0	3.8	0.800	0.0005	/	Pass
				10	3.8	-0.452	-0.0003	/	Pass
				30	3.8	-0.201	-0.0001	/	Pass
				40	3.8	-1.174	-0.0007	/	Pass
				50	3.8	-0.410	-0.0002	/	Pass

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	3.3	-1.265	-0.0007	/	Pass	
					3.8	-0.851	-0.0005	/	Pass	
					4.3	-0.911	-0.0005	/	Pass	
				-30	3.8	-0.741	-0.0004	/	Pass	
					-20	3.8	-1.187	-0.0007	/	Pass
						3.8	-0.804	-0.0005	/	Pass
				0	3.8	-0.899	-0.0005	/	Pass	
					10	3.8	-0.326	-0.0002	/	Pass
				30	3.8	-0.965	-0.0006	/	Pass	
	40	3.8	-1.186		-0.0007	/	Pass			
	1732.5	75	0	20	3.3	-1.290	-0.0007	/	Pass	
					3.8	-0.871	-0.0005	/	Pass	
					4.3	-1.530	-0.0009	/	Pass	
				-30	3.8	-0.492	-0.0003	/	Pass	
					-20	3.8	-0.971	-0.0006	/	Pass
						3.8	-0.833	-0.0005	/	Pass
				0	3.8	-0.971	-0.0006	/	Pass	
					10	3.8	-1.047	-0.0006	/	Pass
				30	3.8	-2.122	-0.0012	/	Pass	
	40	3.8	-1.979		-0.0011	/	Pass			
	1747.5	75	0	20	3.3	-1.547	-0.0009	/	Pass	
					3.8	-1.219	-0.0007	/	Pass	
					4.3	-1.695	-0.0010	/	Pass	
				-30	3.8	-1.644	-0.0009	/	Pass	
					-20	3.8	-1.383	-0.0008	/	Pass
						3.8	-2.026	-0.0012	/	Pass
				0	3.8	-1.037	-0.0006	/	Pass	
10					3.8	-1.100	-0.0006	/	Pass	
30				3.8	-1.846	-0.0011	/	Pass		
	40	3.8	-2.076	-0.0012	/	Pass				
50	3.8	-1.937	-0.0011	/	Pass					



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16QAM	1717.5	75	0	20	3.3	-1.163	-0.0007	/	Pass	
					3.8	-1.364	-0.0008	/	Pass	
					4.3	-1.406	-0.0008	/	Pass	
				-30	3.8	-0.723	-0.0004	/	Pass	
					-20	3.8	-1.414	-0.0008	/	Pass
						3.8	-2.399	-0.0014	/	Pass
				0	3.8	-0.825	-0.0005	/	Pass	
				10	3.8	-0.219	-0.0001	/	Pass	
				30	3.8	-0.980	-0.0006	/	Pass	
	40	3.8	-1.720	-0.0010	/	Pass				
	50	3.8	-1.355	-0.0008	/	Pass				
	1732.5	75	0	20	3.3	-1.200	-0.0007	/	Pass	
					3.8	-0.737	-0.0004	/	Pass	
					4.3	-1.165	-0.0007	/	Pass	
				-30	3.8	-0.880	-0.0005	/	Pass	
					-20	3.8	-0.687	-0.0004	/	Pass
						3.8	-2.382	-0.0014	/	Pass
				0	3.8	-1.143	-0.0007	/	Pass	
10				3.8	-1.619	-0.0009	/	Pass		
30				3.8	-1.175	-0.0007	/	Pass		
40	3.8	-0.916	-0.0005	/	Pass					
50	3.8	-1.839	-0.0011	/	Pass					
1747.5	75	0	20	3.3	-2.292	-0.0013	/	Pass		
				3.8	-1.233	-0.0007	/	Pass		
				4.3	-1.674	-0.0010	/	Pass		
			-30	3.8	-1.617	-0.0009	/	Pass		
				-20	3.8	-1.881	-0.0011	/	Pass	
					3.8	-1.060	-0.0006	/	Pass	
			0	3.8	-1.536	-0.0009	/	Pass		
			10	3.8	-1.442	-0.0008	/	Pass		
			30	3.8	-1.394	-0.0008	/	Pass		
40	3.8	-0.506	-0.0003	/	Pass					
50	3.8	-1.071	-0.0006	/	Pass					
64QAM	1717.5	75	0	20	3.3	-0.946	-0.0006	/	Pass	
					3.8	-0.653	-0.0004	/	Pass	
					4.3	-1.326	-0.0008	/	Pass	
				-30	3.8	-1.269	-0.0007	/	Pass	
					-20	3.8	-1.338	-0.0008	/	Pass
						3.8	-0.066	0.0000	/	Pass
				0	3.8	-1.702	-0.0010	/	Pass	
				10	3.8	-0.963	-0.0006	/	Pass	
				30	3.8	-0.704	-0.0004	/	Pass	
	40	3.8	-0.536	-0.0003	/	Pass				
	50	3.8	-0.784	-0.0005	/	Pass				
	1732.5	75	0	20	3.3	-1.934	-0.0011	/	Pass	
					3.8	-0.115	-0.0001	/	Pass	
					4.3	-1.725	-0.0010	/	Pass	
				-30	3.8	-1.452	-0.0008	/	Pass	



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				-20	3.8	-2.318	-0.0013	/	Pass
				-10	3.8	-1.875	-0.0011	/	Pass
				0	3.8	-1.476	-0.0009	/	Pass
				10	3.8	-2.175	-0.0013	/	Pass
				30	3.8	-1.422	-0.0008	/	Pass
				40	3.8	-1.856	-0.0011	/	Pass
				50	3.8	-1.366	-0.0008	/	Pass
	1747.5	75	0	20	3.3	-1.560	-0.0009	/	Pass
					3.8	-1.155	-0.0007	/	Pass
					4.3	-0.834	-0.0005	/	Pass
				-30	3.8	-1.531	-0.0009	/	Pass
				-20	3.8	-1.993	-0.0011	/	Pass
				-10	3.8	-1.166	-0.0007	/	Pass
				0	3.8	-0.651	-0.0004	/	Pass
10	3.8	-2.059	-0.0012	/	Pass				
30	3.8	-1.352	-0.0008	/	Pass				
40	3.8	-1.588	-0.0009	/	Pass				
50	3.8	-1.247	-0.0007	/	Pass				

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	3.3	-0.961	-0.0006	/	Pass			
					3.8	-0.150	-0.0001	/	Pass			
					4.3	-0.490	-0.0003	/	Pass			
				-30	3.8	-2.215	-0.0013	/	Pass			
				-20	3.8	-1.568	-0.0009	/	Pass			
				-10	3.8	-1.875	-0.0011	/	Pass			
				0	3.8	-0.542	-0.0003	/	Pass			
				10	3.8	-0.339	-0.0002	/	Pass			
				30	3.8	0.205	0.0001	/	Pass			
				40	3.8	-0.385	-0.0002	/	Pass			
				50	3.8	-1.761	-0.0010	/	Pass			
				1732.5	100	0	20	3.3	-2.407	-0.0014	/	Pass
								3.8	-1.829	-0.0011	/	Pass
								4.3	-2.261	-0.0013	/	Pass
-30	3.8	-2.102	-0.0012				/	Pass				
-20	3.8	-1.233	-0.0007				/	Pass				
-10	3.8	-2.269	-0.0013				/	Pass				
0	3.8	-1.784	-0.0010				/	Pass				
10	3.8	-2.342	-0.0014	/	Pass							
30	3.8	-2.079	-0.0012	/	Pass							



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	1745	100	0	40	3.8	-2.063	-0.0012	/	Pass
				50	3.8	-1.673	-0.0010	/	Pass
				20	3.3	-2.552	-0.0015	/	Pass
					3.8	-3.160	-0.0018	/	Pass
					4.3	-1.763	-0.0010	/	Pass
				-30	3.8	-2.815	-0.0016	/	Pass
				-20	3.8	-2.011	-0.0012	/	Pass
				-10	3.8	-2.670	-0.0015	/	Pass
				0	3.8	-1.965	-0.0011	/	Pass
				10	3.8	-1.399	-0.0008	/	Pass
				30	3.8	-1.497	-0.0009	/	Pass
				40	3.8	-1.538	-0.0009	/	Pass
				50	3.8	-2.213	-0.0013	/	Pass
				16QAM	1720	100	0	20	3.3
3.8	-0.922	-0.0005	/						Pass
4.3	-1.171	-0.0007	/						Pass
-30	3.8	0.061	0.0000					/	Pass
-20	3.8	-0.779	-0.0005					/	Pass
-10	3.8	-1.312	-0.0008					/	Pass
0	3.8	-0.692	-0.0004					/	Pass
10	3.8	-0.812	-0.0005					/	Pass
30	3.8	-1.365	-0.0008					/	Pass
40	3.8	-1.181	-0.0007					/	Pass
50	3.8	-1.271	-0.0007		/	Pass			
1732.5	100	0	20		3.3	-1.776	-0.0010	/	Pass
					3.8	-1.934	-0.0011	/	Pass
					4.3	-2.659	-0.0015	/	Pass
			-30		3.8	-1.716	-0.0010	/	Pass
			-20		3.8	-1.711	-0.0010	/	Pass
			-10		3.8	-2.435	-0.0014	/	Pass
			0		3.8	-2.268	-0.0013	/	Pass
			10		3.8	-2.103	-0.0012	/	Pass
			30		3.8	-2.452	-0.0014	/	Pass
			40		3.8	-2.235	-0.0013	/	Pass
			50		3.8	-2.217	-0.0013	/	Pass
			1745	100	0	20	3.3	-1.336	-0.0008
3.8	-1.640	-0.0009					/	Pass	
4.3	-2.453	-0.0014					/	Pass	
-30	3.8	-0.894				-0.0005	/	Pass	
-20	3.8	-1.735				-0.0010	/	Pass	
-10	3.8	-2.432				-0.0014	/	Pass	
0	3.8	-0.831				-0.0005	/	Pass	
10	3.8	-1.609				-0.0009	/	Pass	
30	3.8	-1.692				-0.0010	/	Pass	
40	3.8	-2.291				-0.0013	/	Pass	
50	3.8	-1.968	-0.0011	/	Pass				
64QAM	1720	100	0	20	3.3	-0.737	-0.0004	/	Pass
					3.8	-1.303	-0.0008	/	Pass



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				4.3	0.221	0.0001	/	Pass			
				-30	3.8	-0.765	-0.0004	Pass			
				-20	3.8	-0.520	-0.0003	Pass			
				-10	3.8	-0.306	-0.0002	Pass			
				0	3.8	-0.792	-0.0005	Pass			
				10	3.8	-0.809	-0.0005	Pass			
				30	3.8	-0.623	-0.0004	Pass			
				40	3.8	-0.092	-0.0001	Pass			
				50	3.8	-1.079	-0.0006	Pass			
1732.5	100	0	20	3.3	-2.863	-0.0017	/	Pass			
				3.8	-2.789	-0.0016	/	Pass			
				4.3	-2.193	-0.0013	/	Pass			
							-30	3.8	-2.196	-0.0013	Pass
							-20	3.8	-1.370	-0.0008	Pass
							-10	3.8	-2.058	-0.0012	Pass
							0	3.8	-1.463	-0.0008	Pass
							10	3.8	-1.741	-0.0010	Pass
							30	3.8	-2.088	-0.0012	Pass
							40	3.8	-2.387	-0.0014	Pass
				50	3.8	-2.142	-0.0012	Pass			
1745	100	0	20	3.3	-2.314	-0.0013	/	Pass			
				3.8	-1.642	-0.0009	/	Pass			
				4.3	-1.406	-0.0008	/	Pass			
							-30	3.8	-1.373	-0.0008	Pass
							-20	3.8	-0.870	-0.0005	Pass
							-10	3.8	-1.767	-0.0010	Pass
							0	3.8	-1.675	-0.0010	Pass
							10	3.8	-0.878	-0.0005	Pass
							30	3.8	-1.141	-0.0007	Pass
							40	3.8	-1.521	-0.0009	Pass
				50	3.8	-2.255	-0.0013	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	1.122	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.125	/	Pass
	16QAM	1710.7	6	0	1.124	/	Pass
		1732.5	6	0	1.128	/	Pass
		1754.3	6	0	1.130	/	Pass
	64QAM	1710.7	6	0	1.129	/	Pass
		1732.5	6	0	1.130	/	Pass
		1754.3	6	0	1.126	/	Pass
3	QPSK	1711.5	15	0	2.749	/	Pass
		1732.5	15	0	2.747	/	Pass
		1753.5	15	0	2.755	/	Pass
	16QAM	1711.5	15	0	2.750	/	Pass
		1732.5	15	0	2.751	/	Pass
		1753.5	15	0	2.743	/	Pass
	64QAM	1711.5	15	0	2.749	/	Pass
		1732.5	15	0	2.743	/	Pass
		1753.5	15	0	2.739	/	Pass
5	QPSK	1712.5	25	0	4.576	/	Pass
		1732.5	25	0	4.567	/	Pass
		1752.5	25	0	4.574	/	Pass
	16QAM	1712.5	25	0	4.579	/	Pass
		1732.5	25	0	4.567	/	Pass
		1752.5	25	0	4.571	/	Pass
	64QAM	1712.5	25	0	4.589	/	Pass
		1732.5	25	0	4.574	/	Pass
		1752.5	25	0	4.574	/	Pass
10	QPSK	1715	50	0	9.060	/	Pass
		1732.5	50	0	9.080	/	Pass
		1750	50	0	9.092	/	Pass
	16QAM	1715	50	0	9.074	/	Pass
		1732.5	50	0	9.105	/	Pass
		1750	50	0	9.100	/	Pass
	64QAM	1715	50	0	9.065	/	Pass
		1732.5	50	0	9.087	/	Pass
		1750	50	0	9.077	/	Pass
15	QPSK	1717.5	75	0	13.615	/	Pass



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	16QAM	1732.5	75	0	13.639	/	Pass	
		1747.5	75	0	13.585	/	Pass	
		1717.5	75	0	13.582	/	Pass	
	64QAM	1732.5	75	0	13.632	/	Pass	
		1747.5	75	0	13.584	/	Pass	
		1717.5	75	0	13.622	/	Pass	
20	QPSK	1732.5	75	0	13.602	/	Pass	
		1747.5	75	0	13.644	/	Pass	
		1717.5	75	0	13.622	/	Pass	
	16QAM	1720	100	0	18.065	/	Pass	
		1732.5	100	0	18.155	/	Pass	
		1745	100	0	18.109	/	Pass	
	64QAM	1720	100	0	18.011	/	Pass	
		1732.5	100	0	18.173	/	Pass	
		1745	100	0	18.098	/	Pass	
		64QAM	1720	100	0	18.082	/	Pass
			1732.5	100	0	18.100	/	Pass
			1745	100	0	18.132	/	Pass



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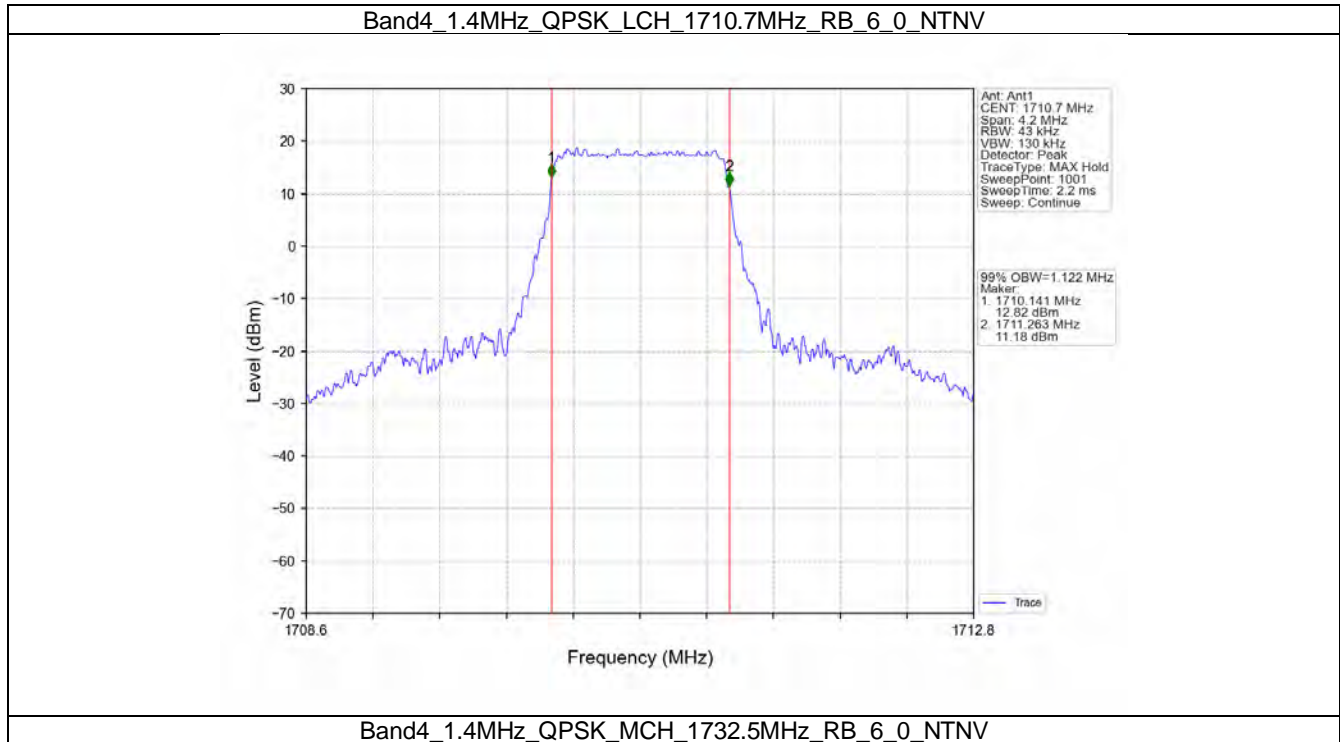
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3.1.2 Test Graph



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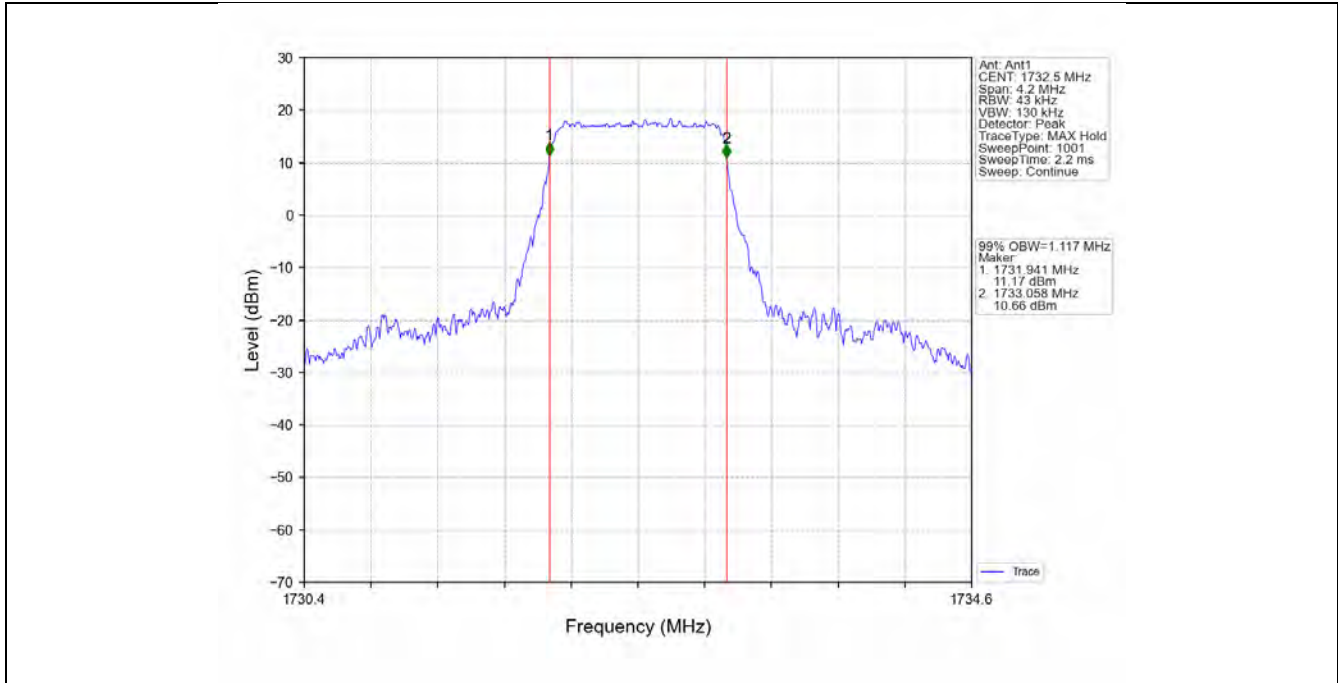


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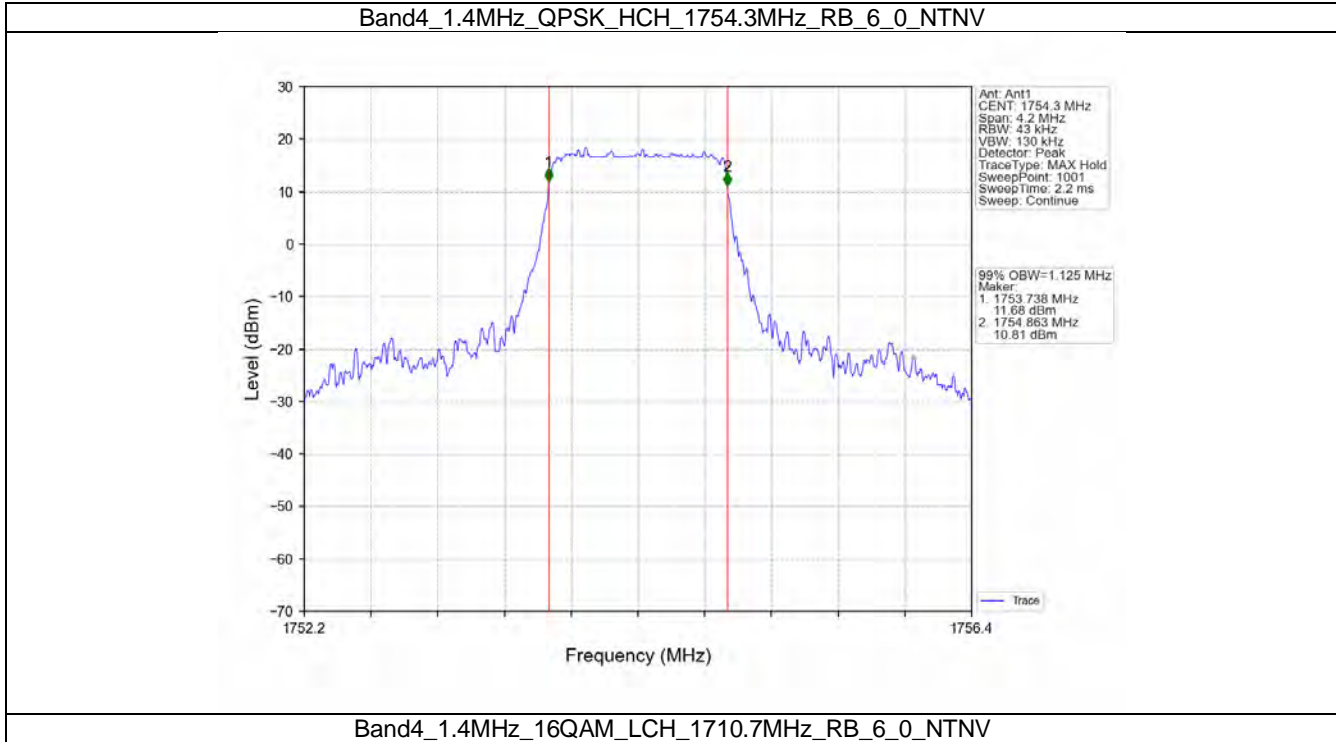


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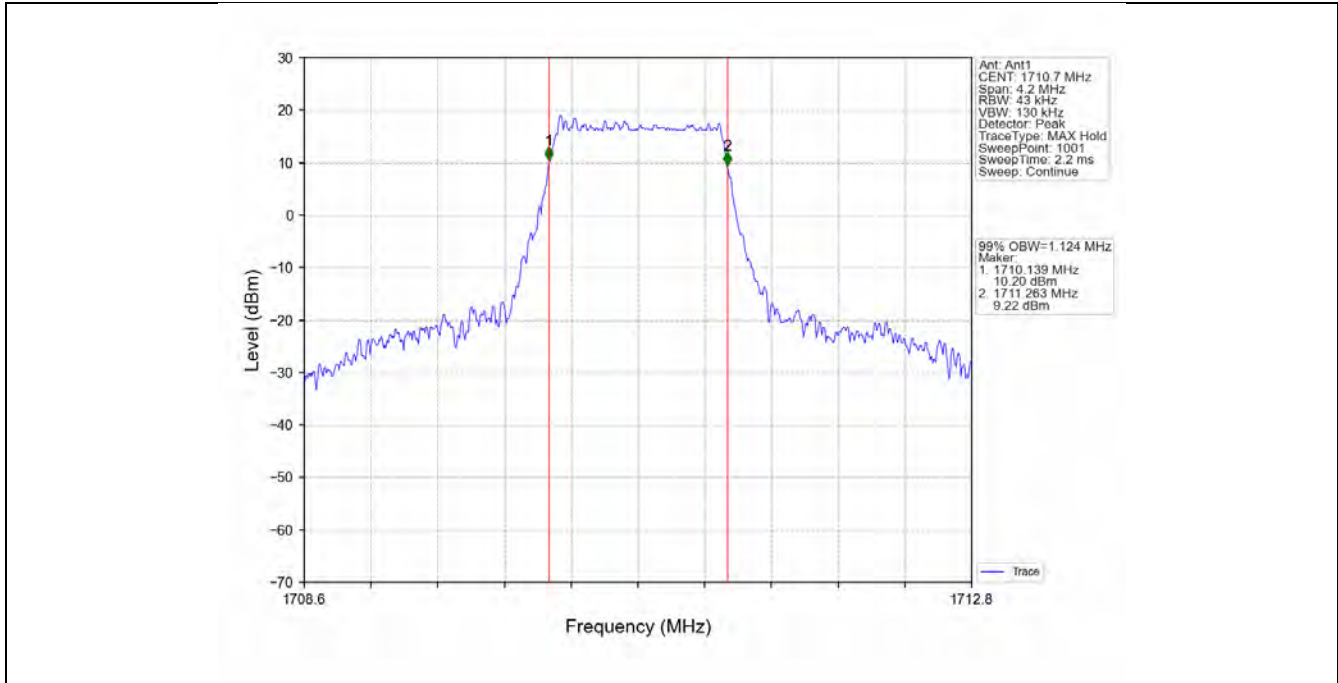


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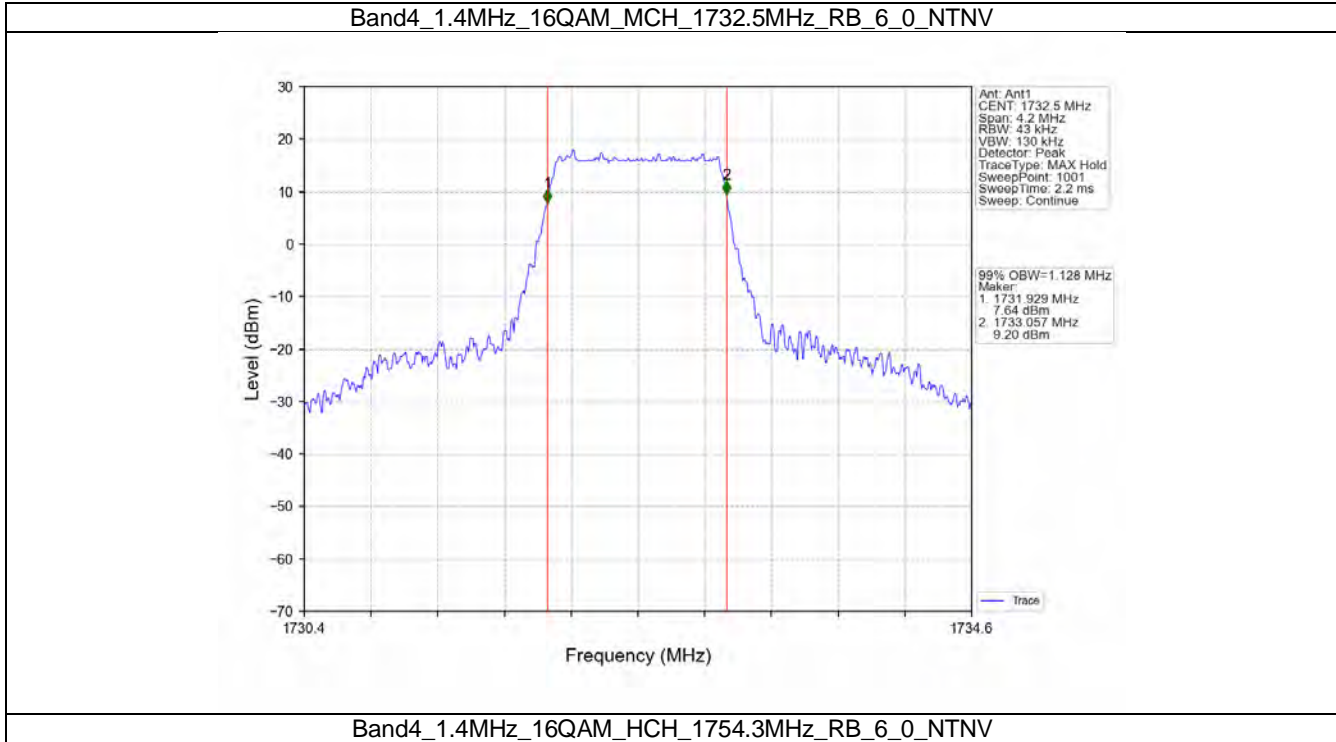


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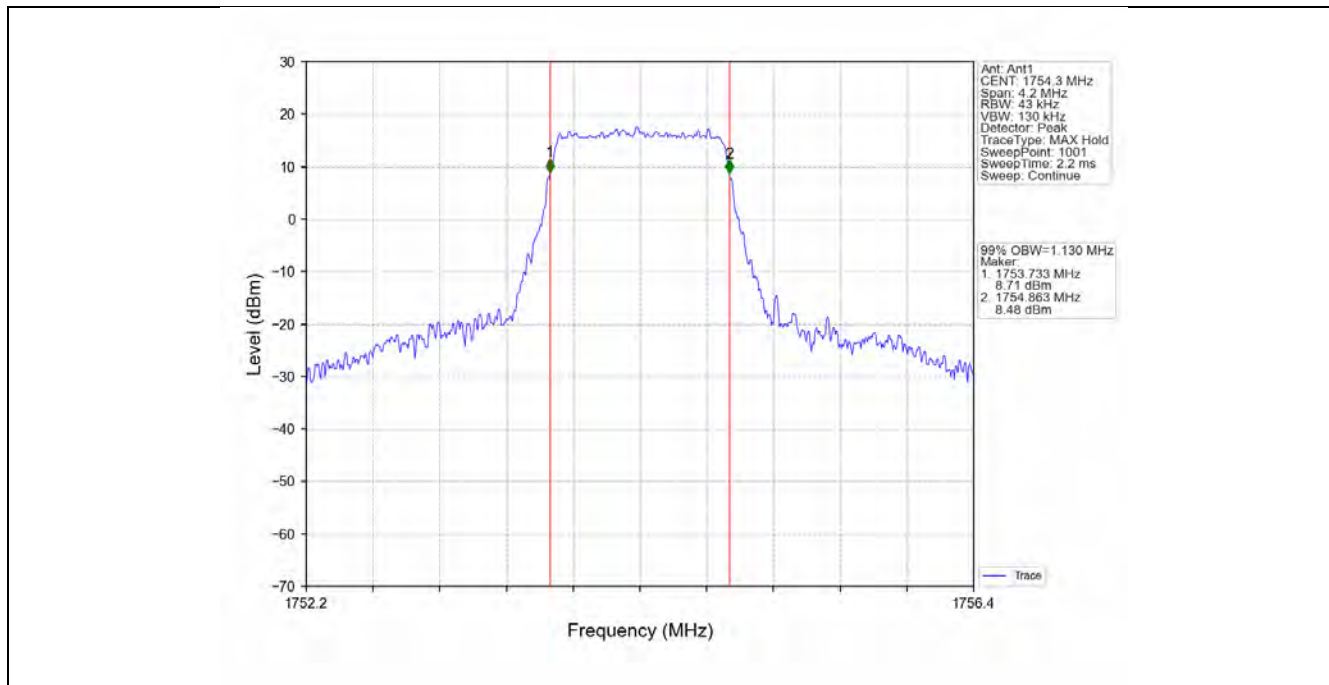
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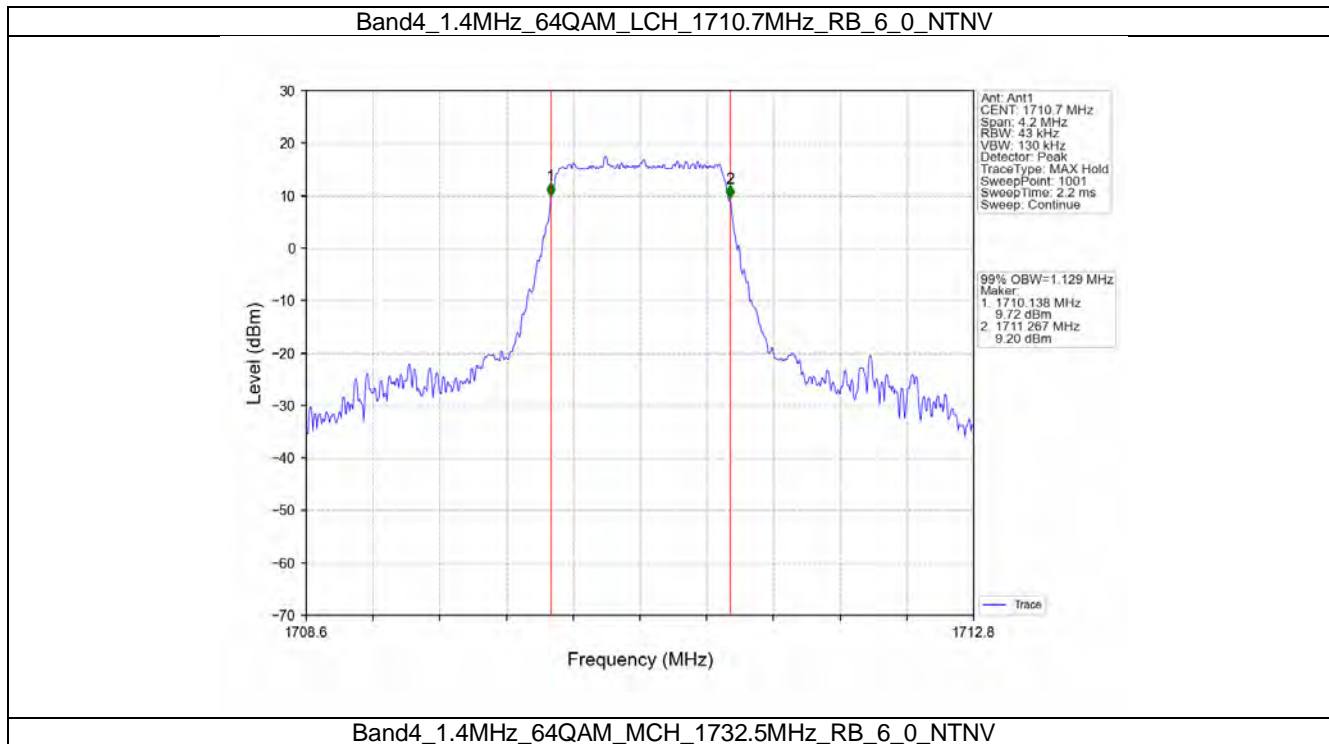
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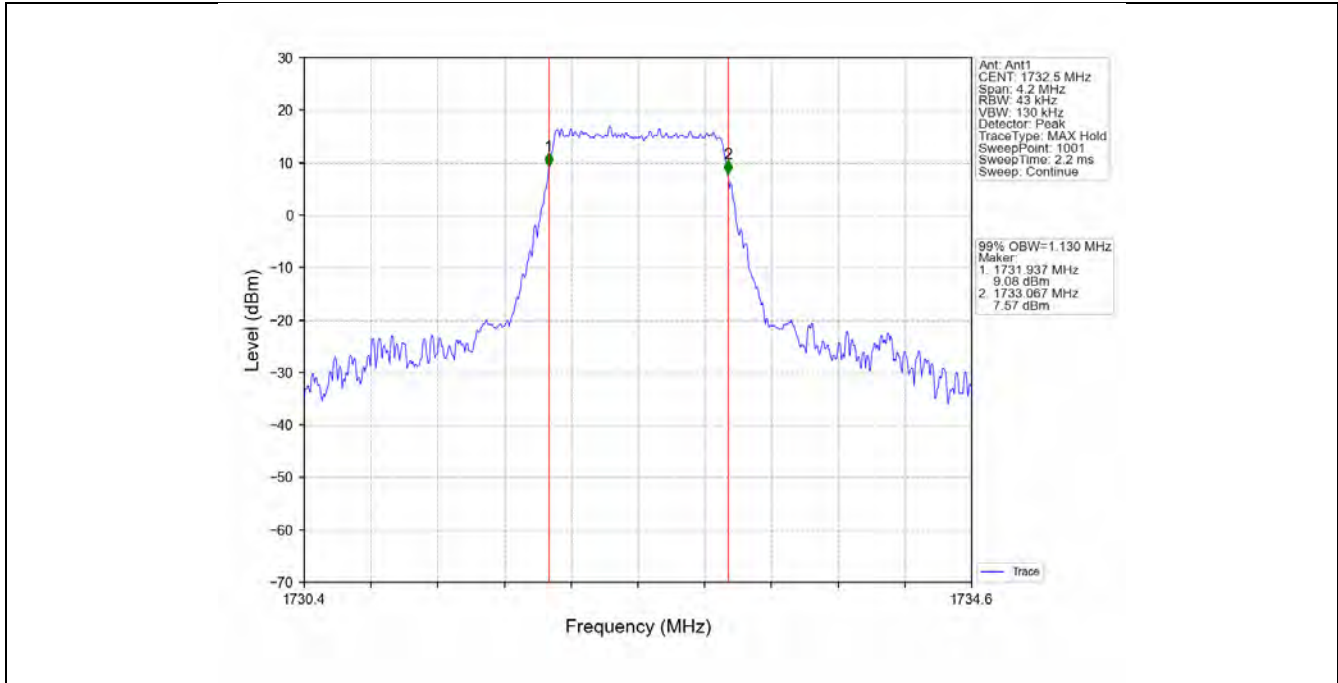


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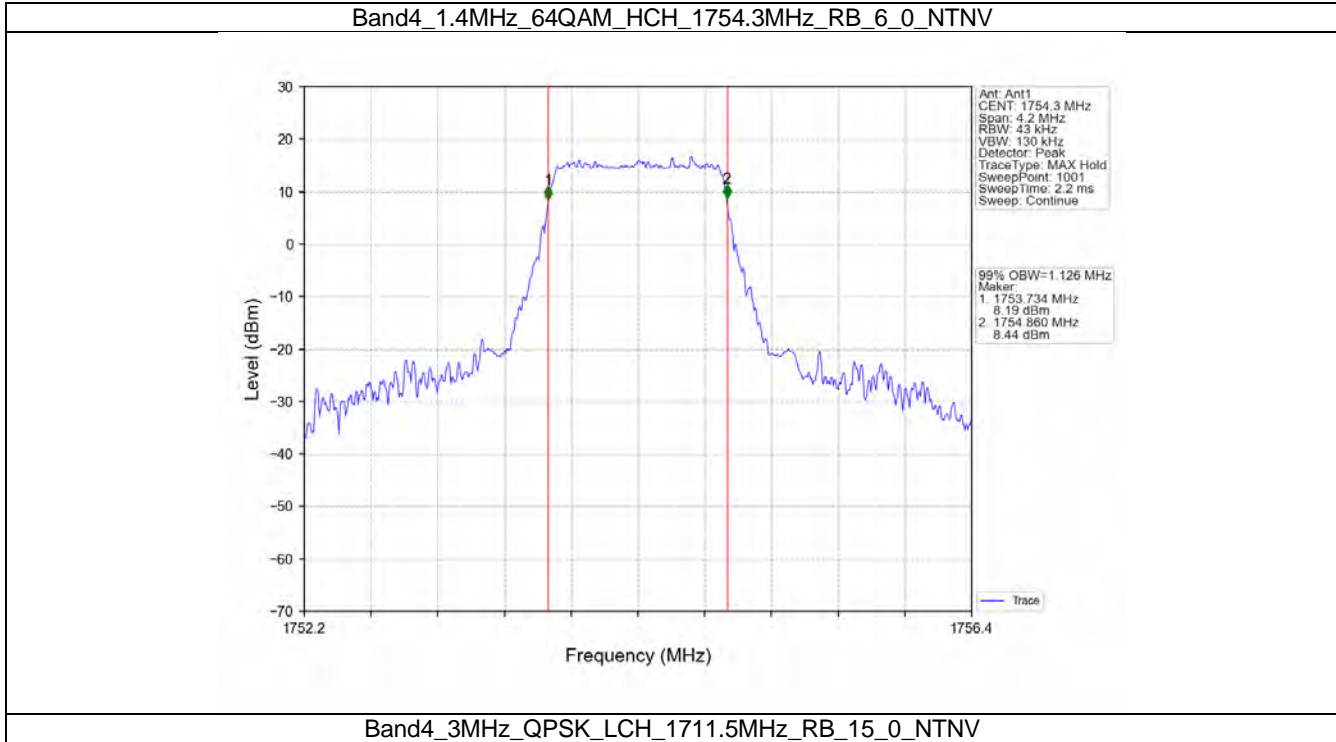


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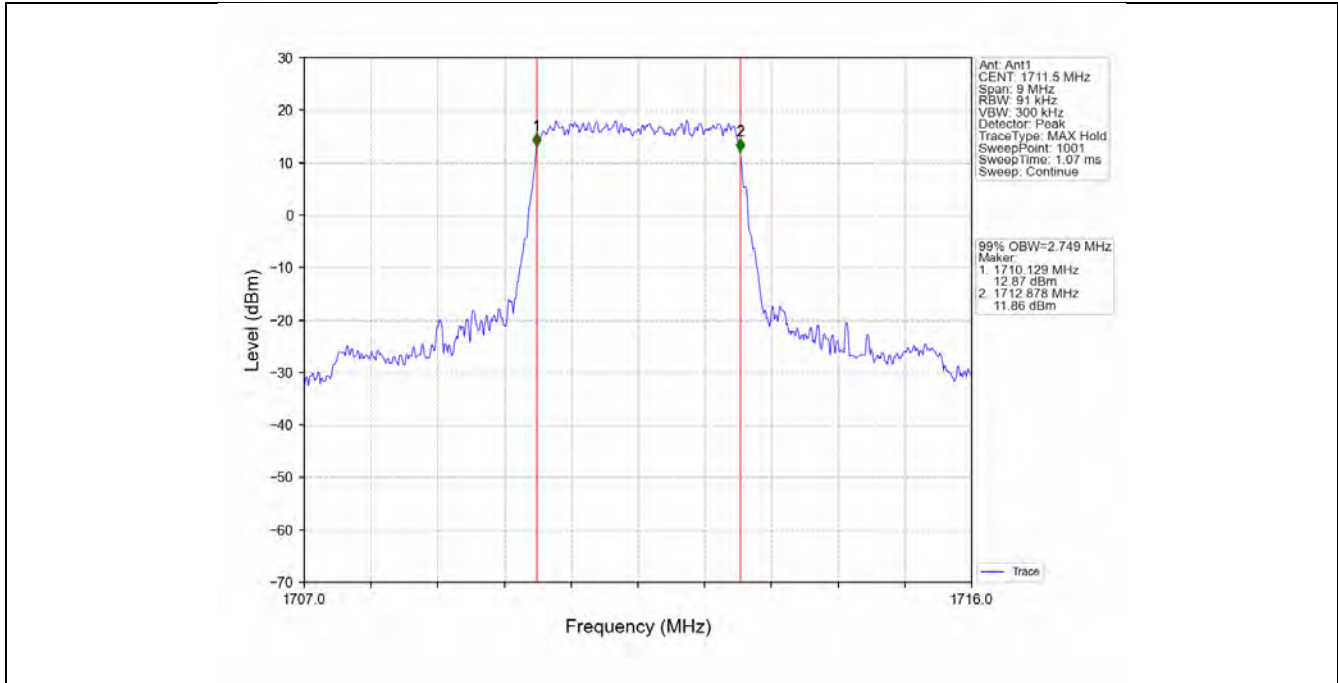


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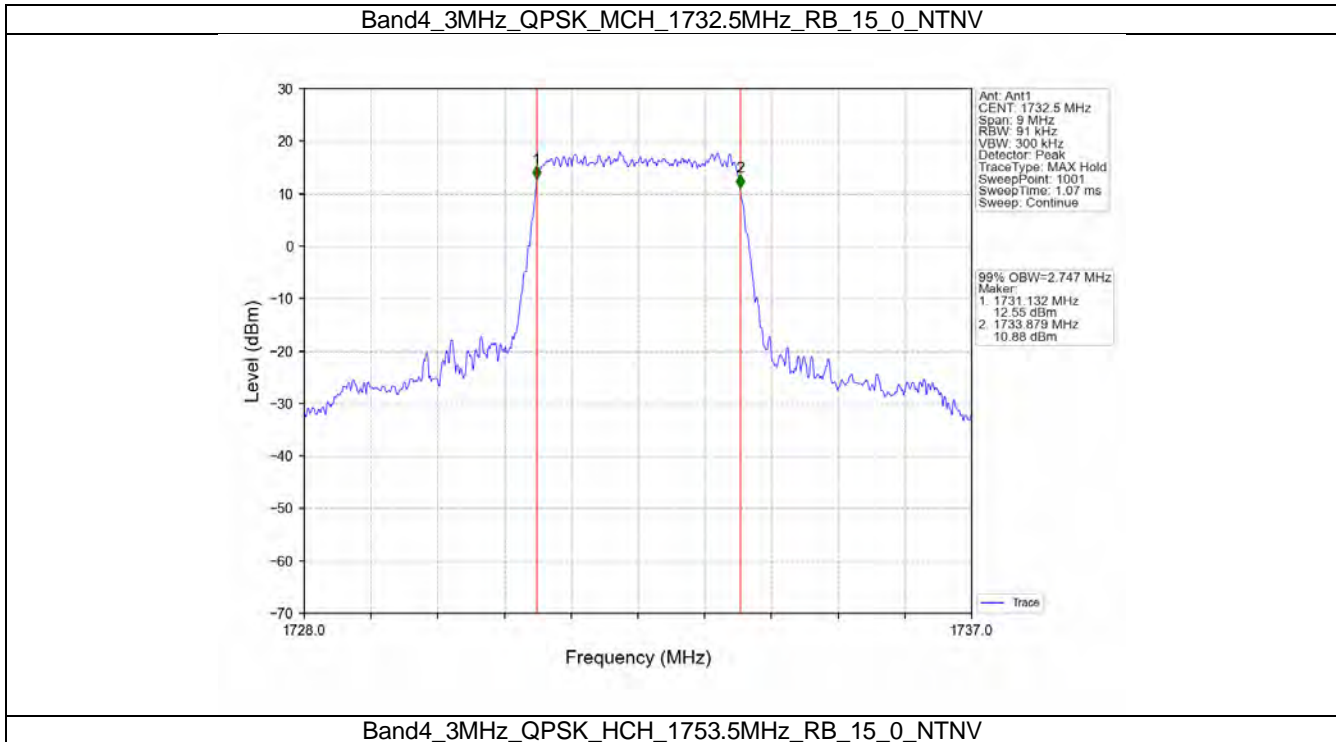


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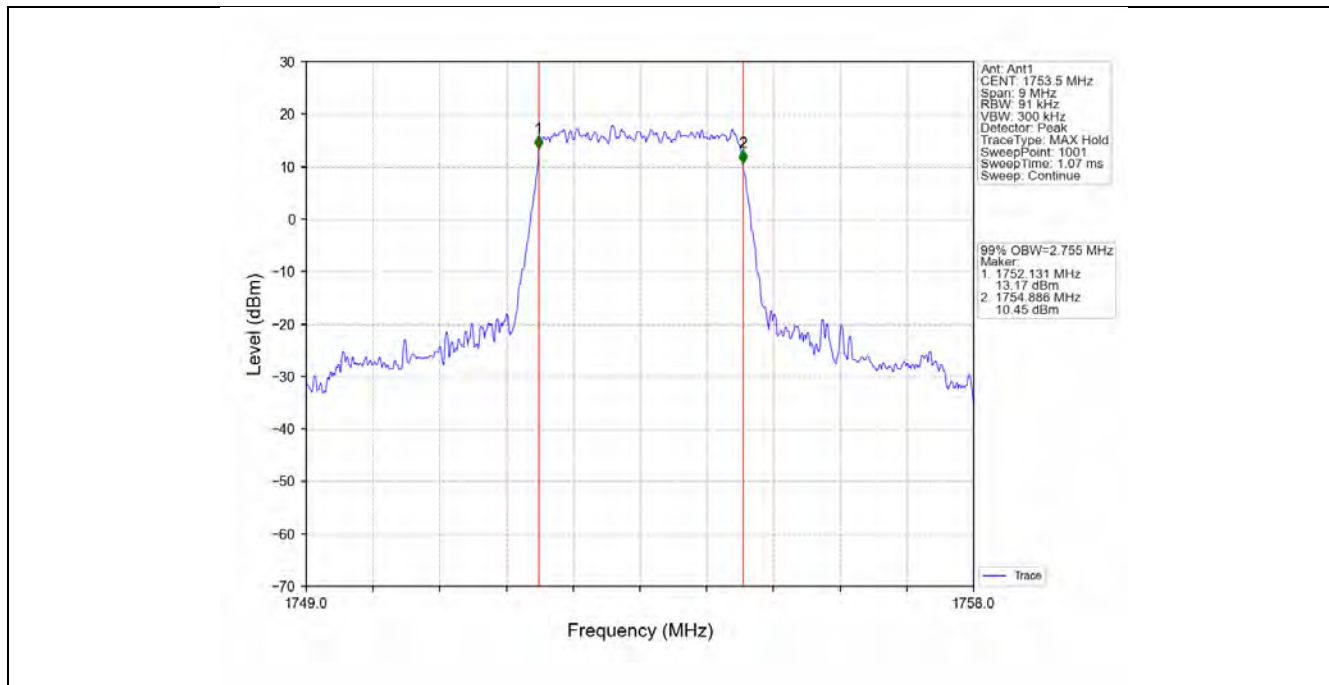
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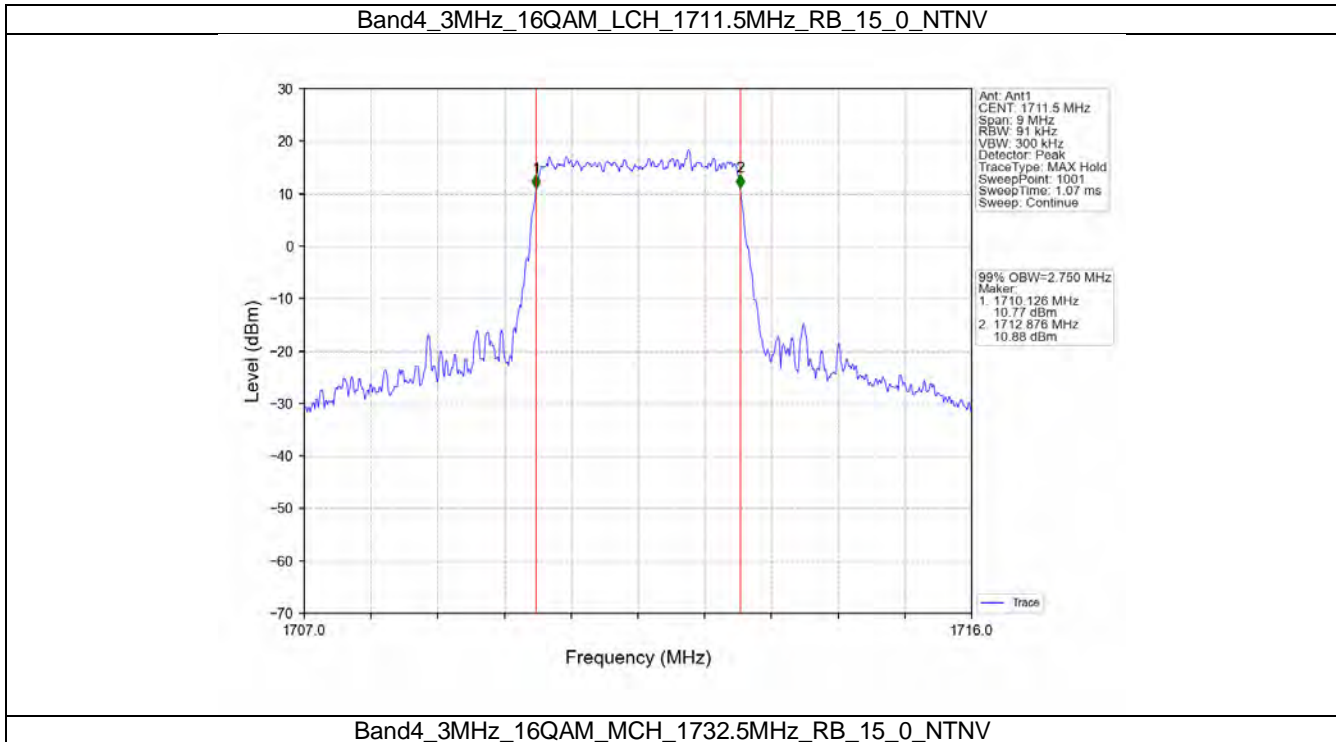


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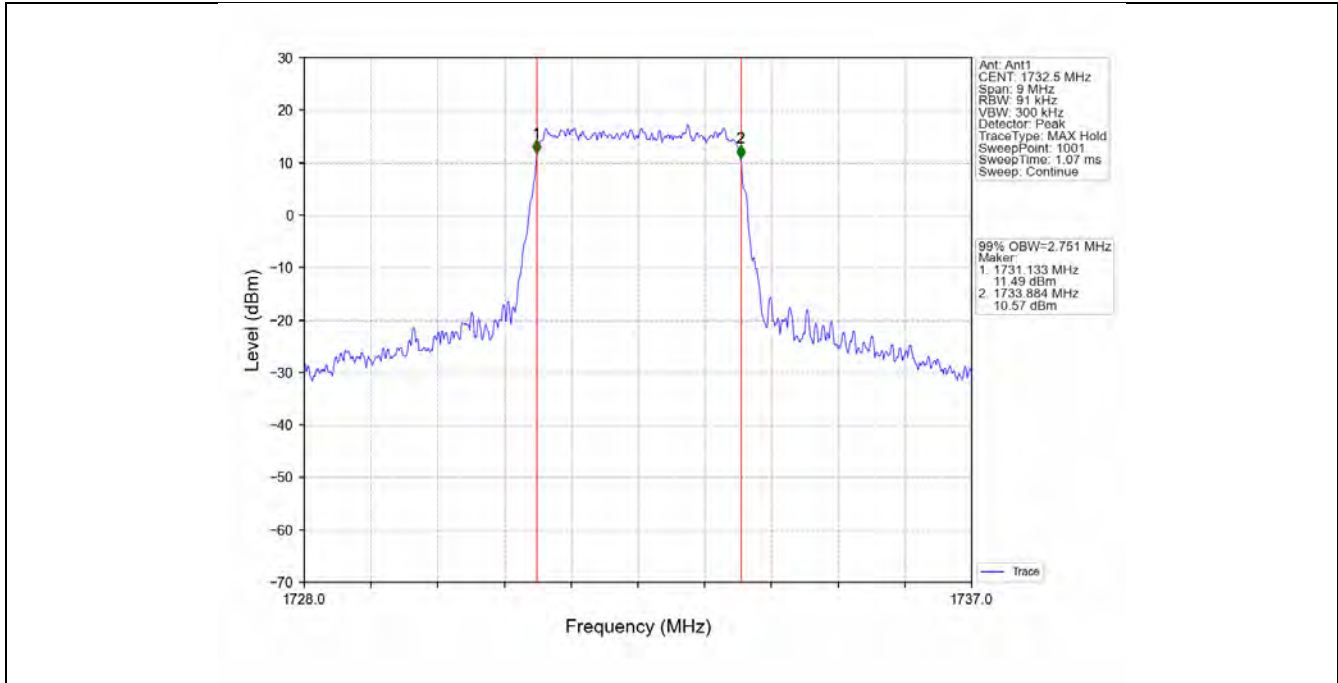


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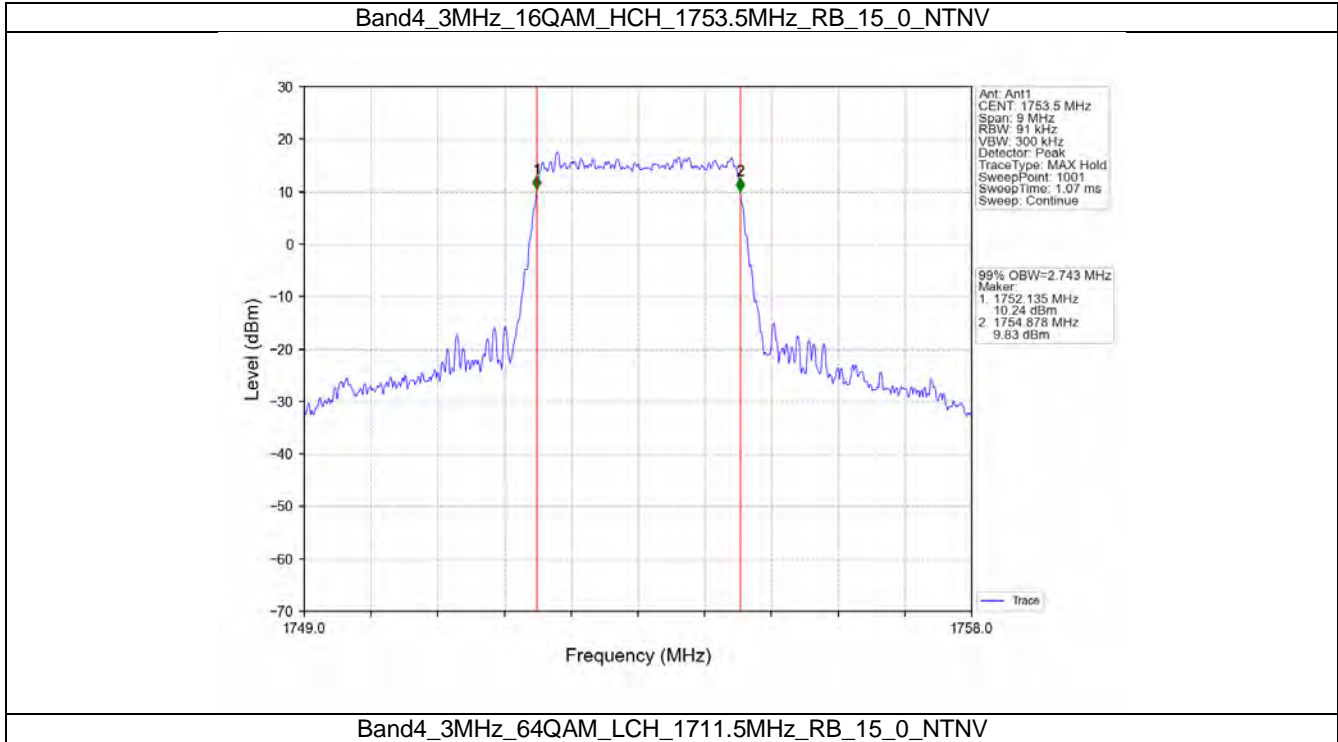


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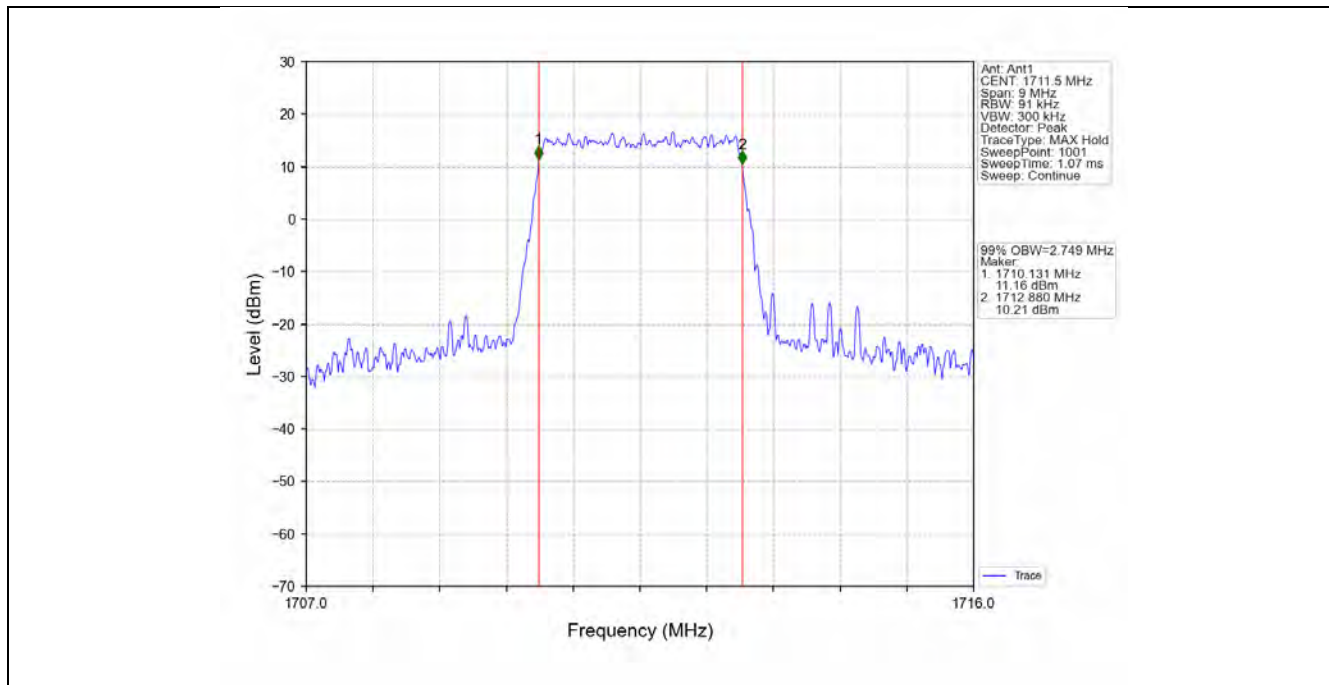
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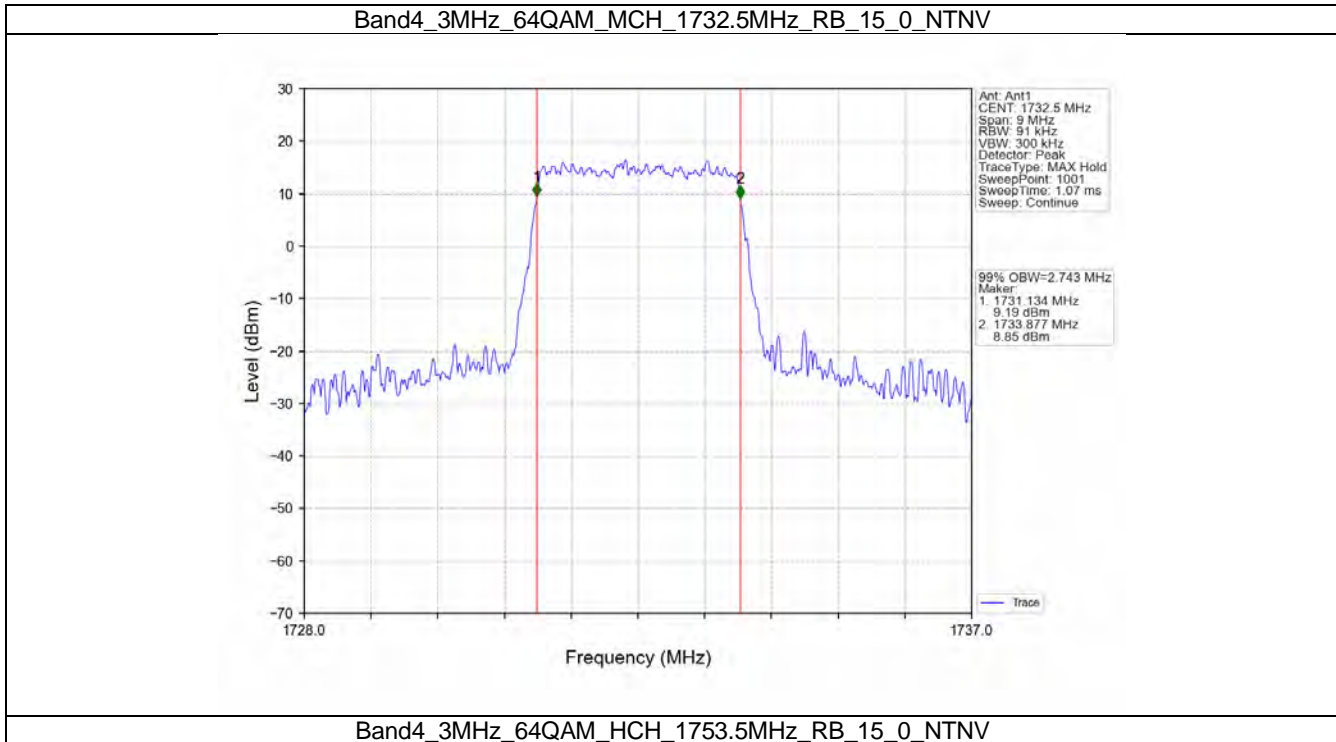


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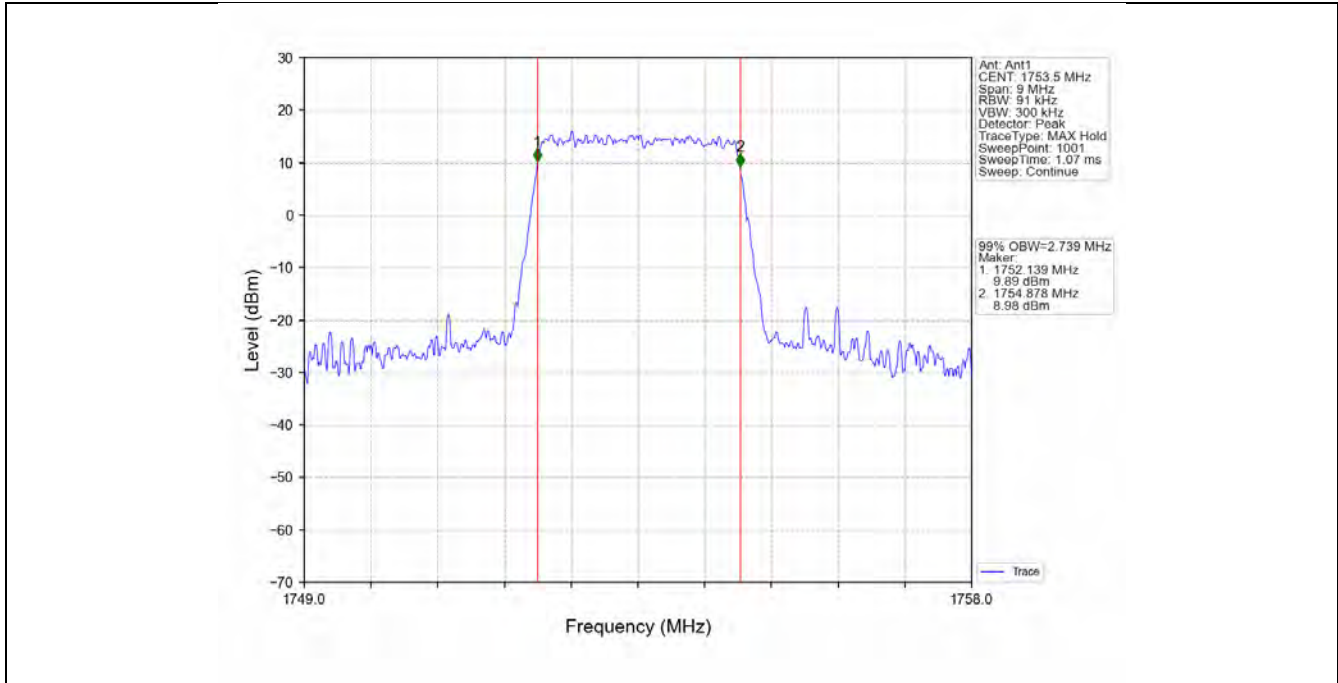


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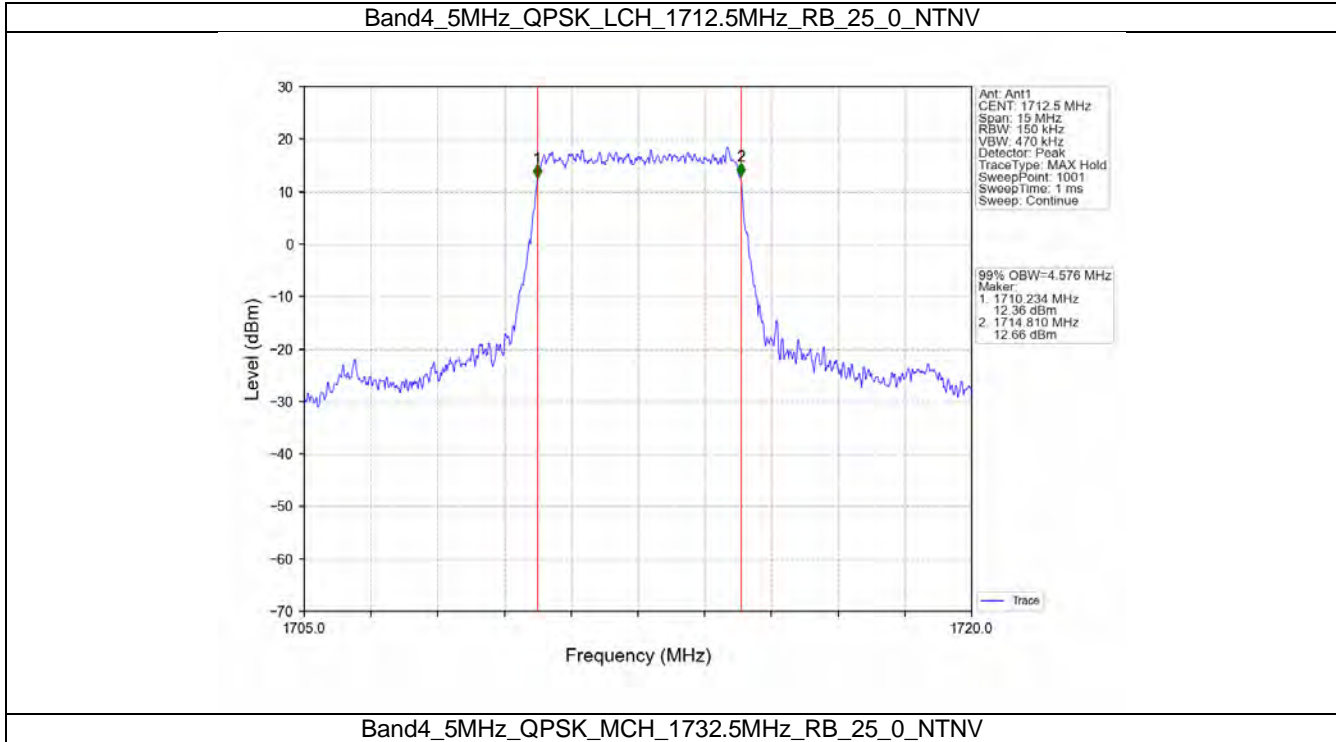


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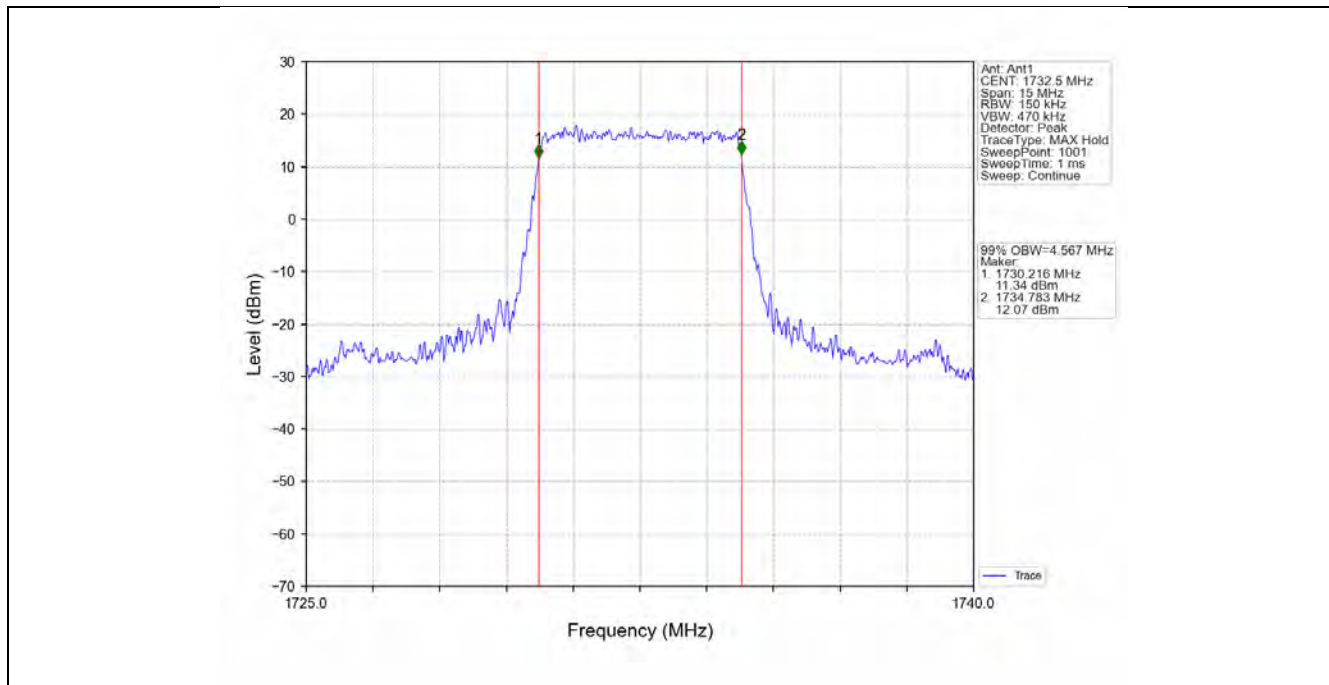
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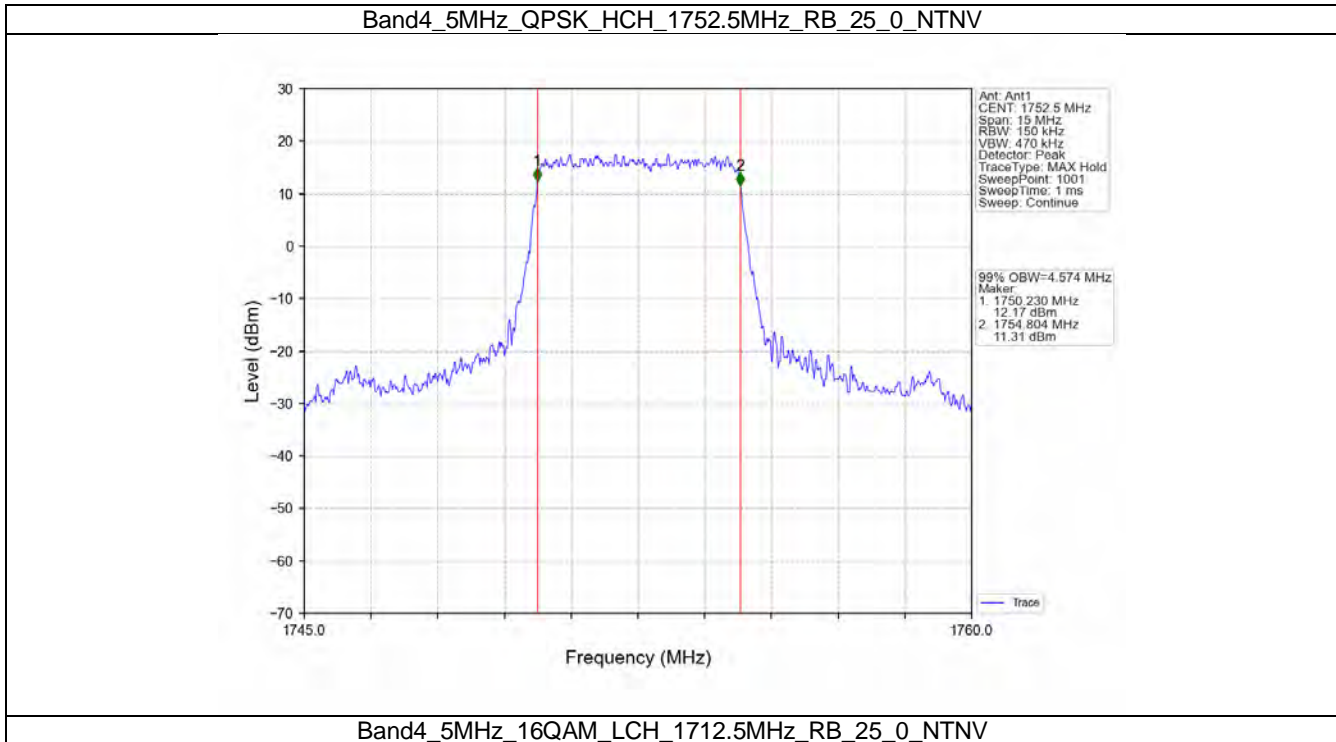


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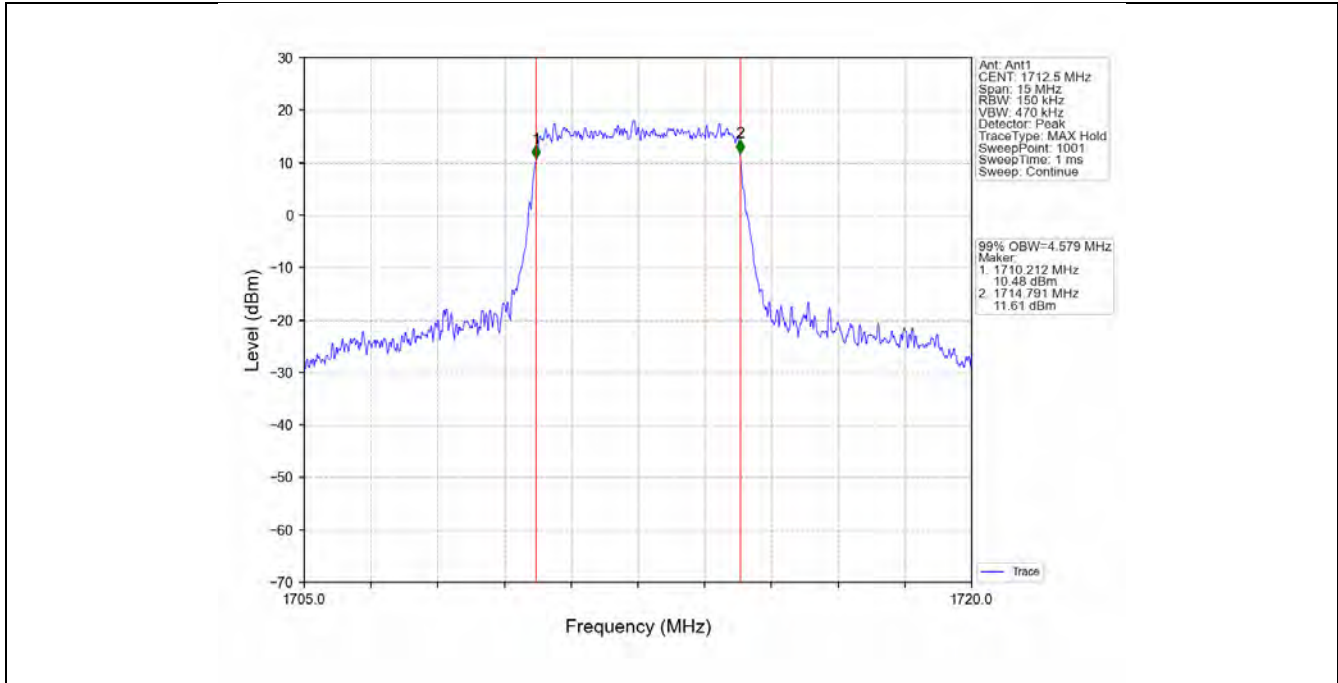


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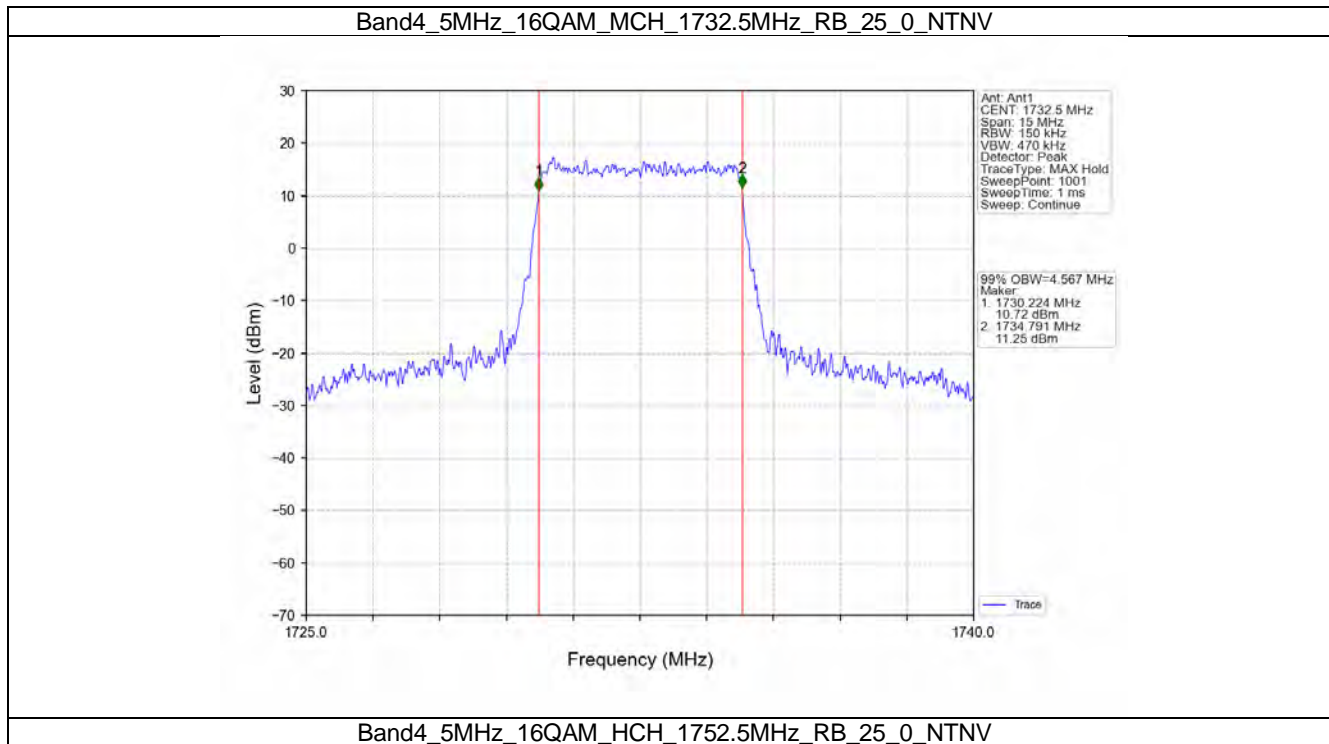
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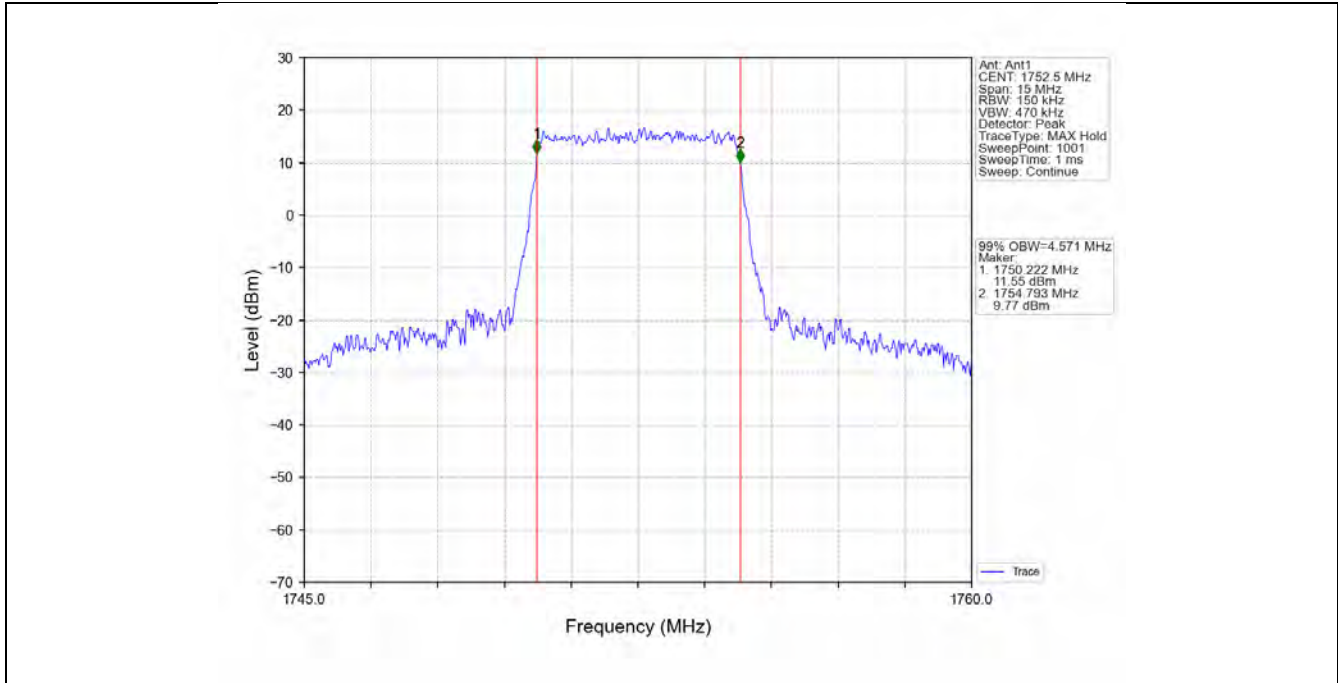


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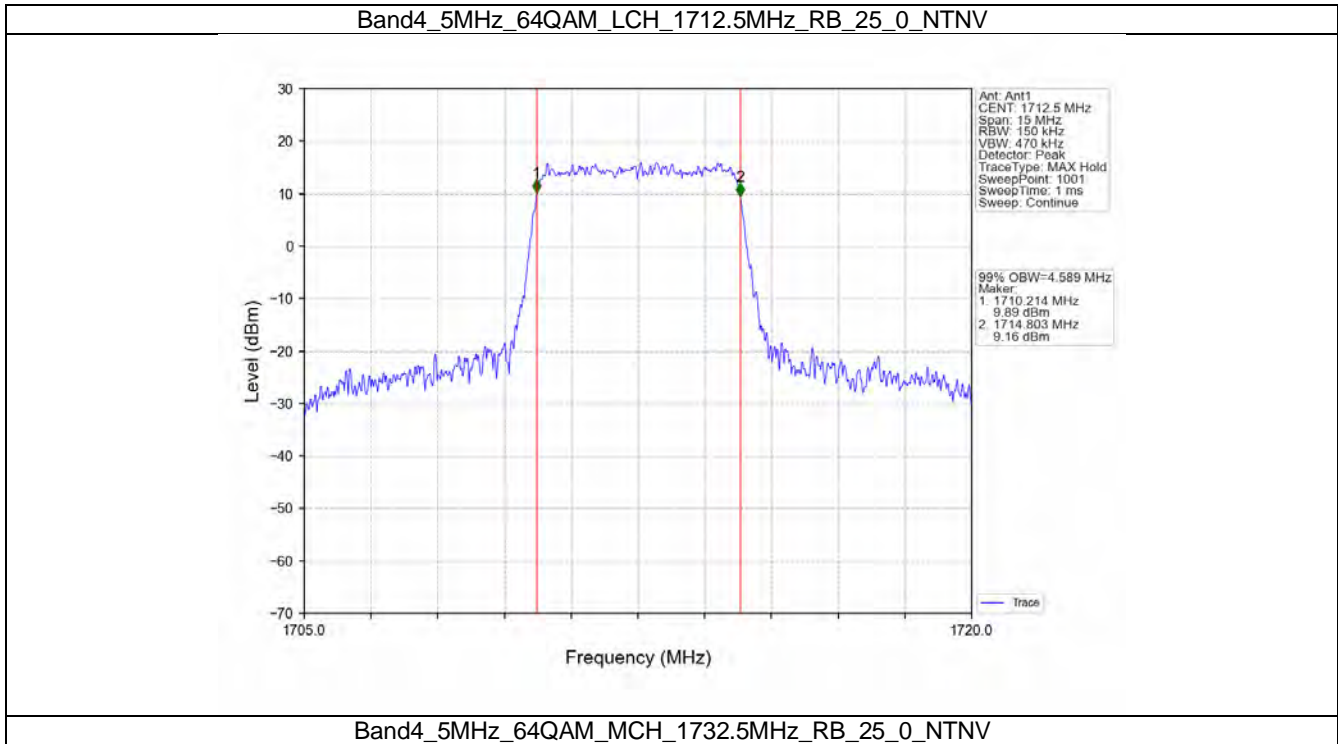


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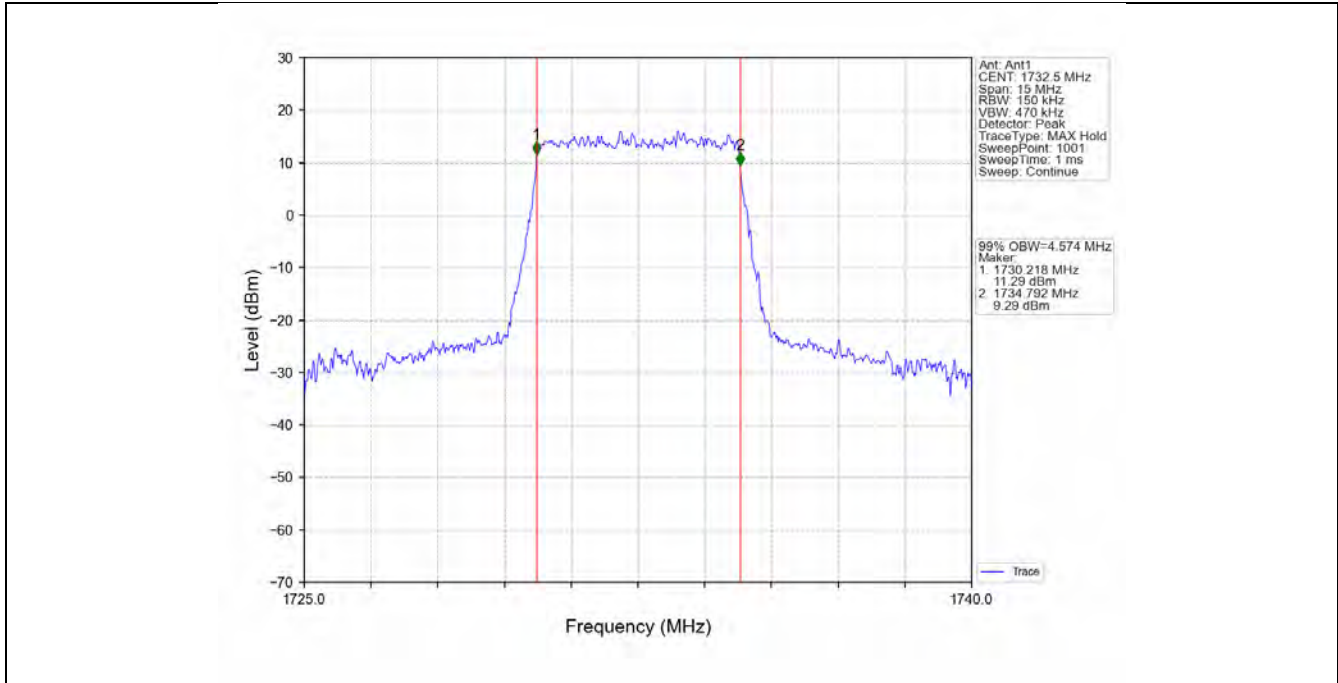


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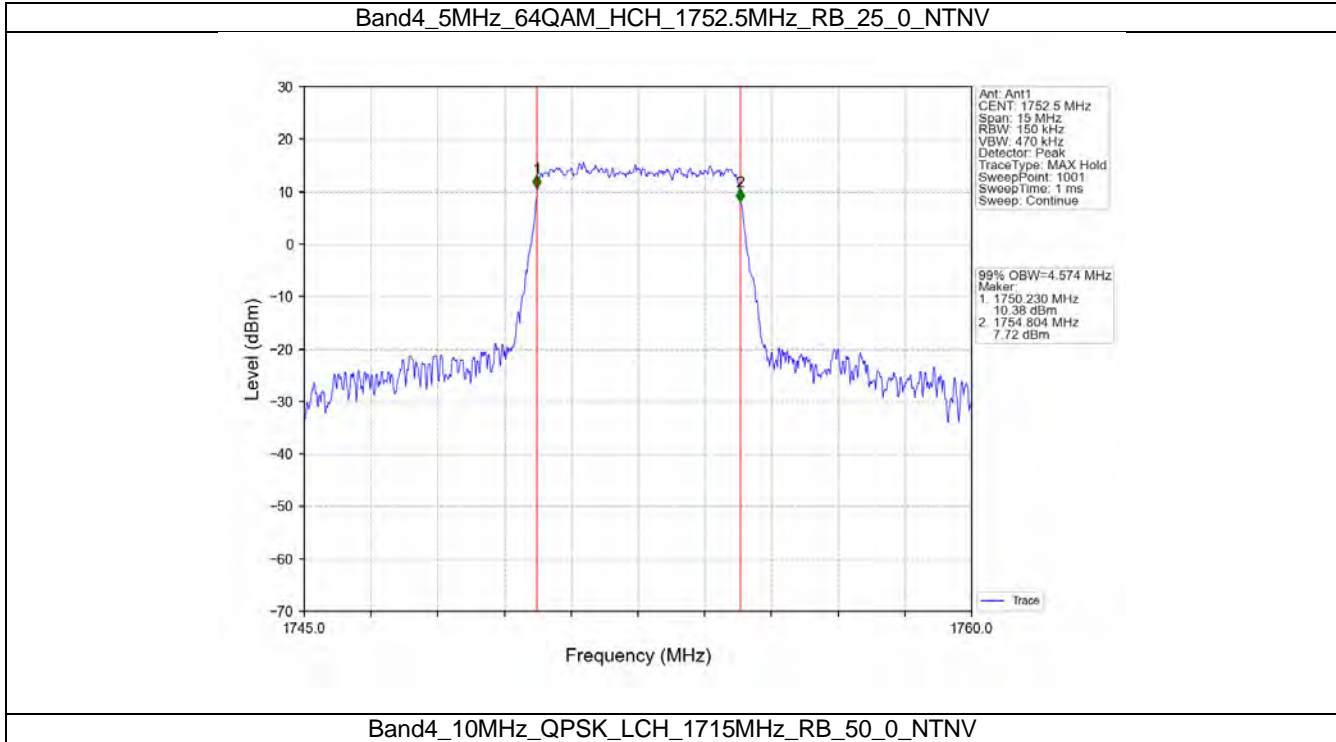


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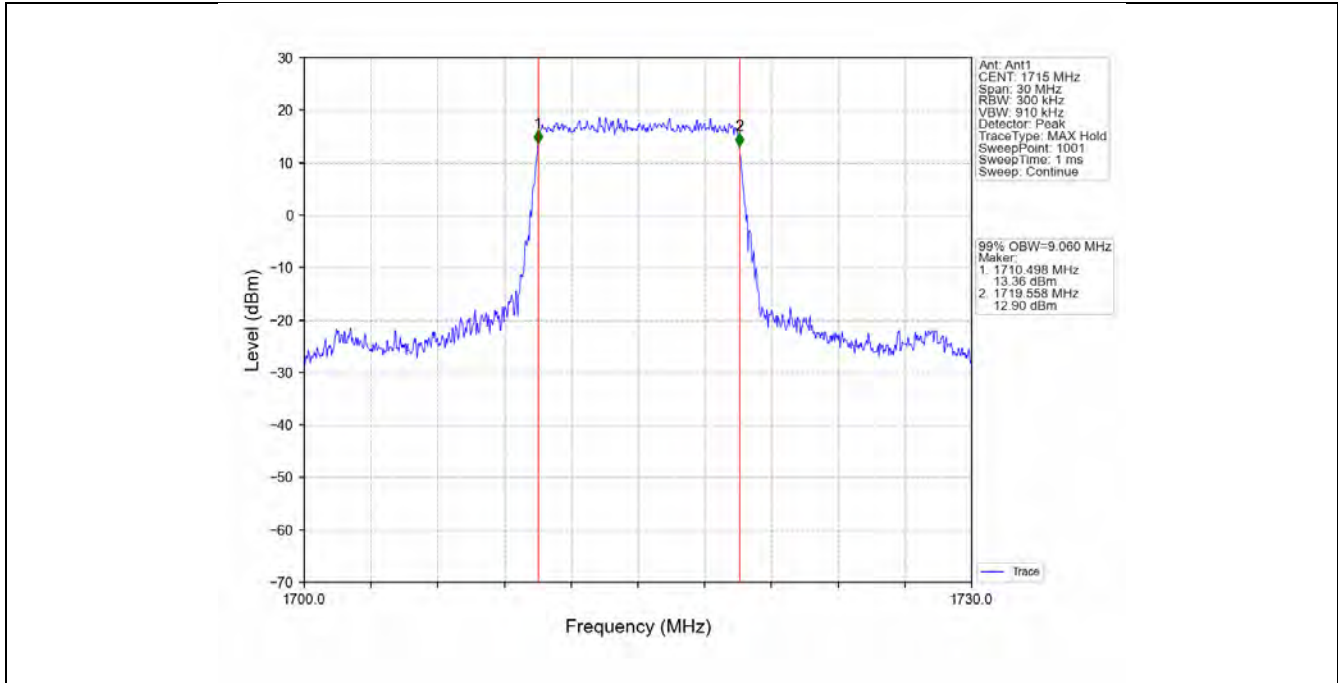


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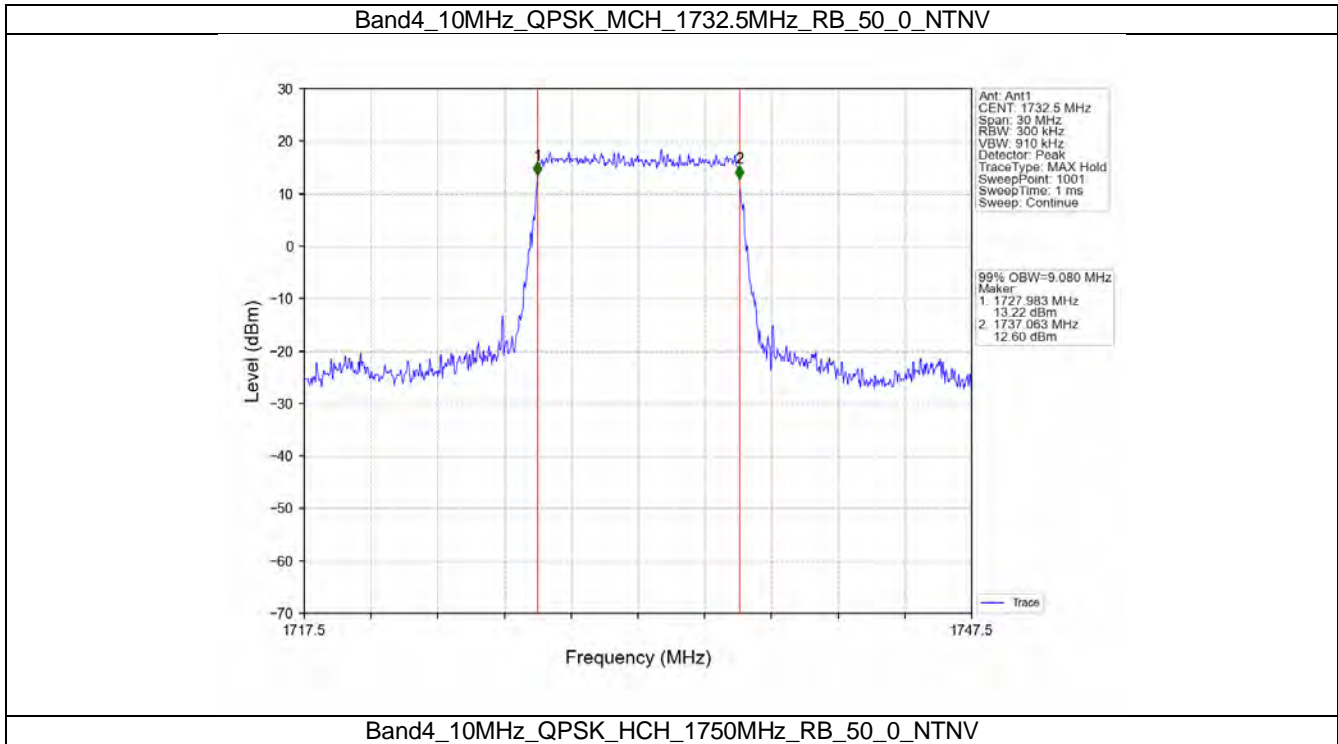


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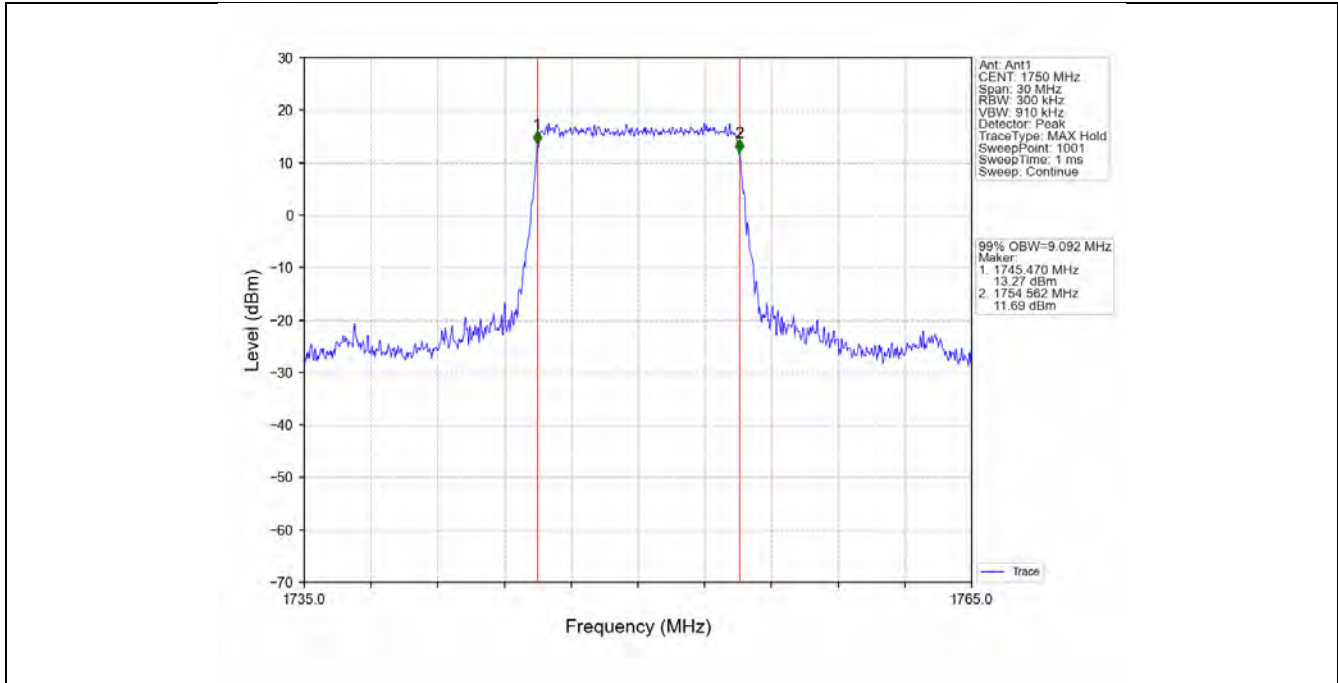


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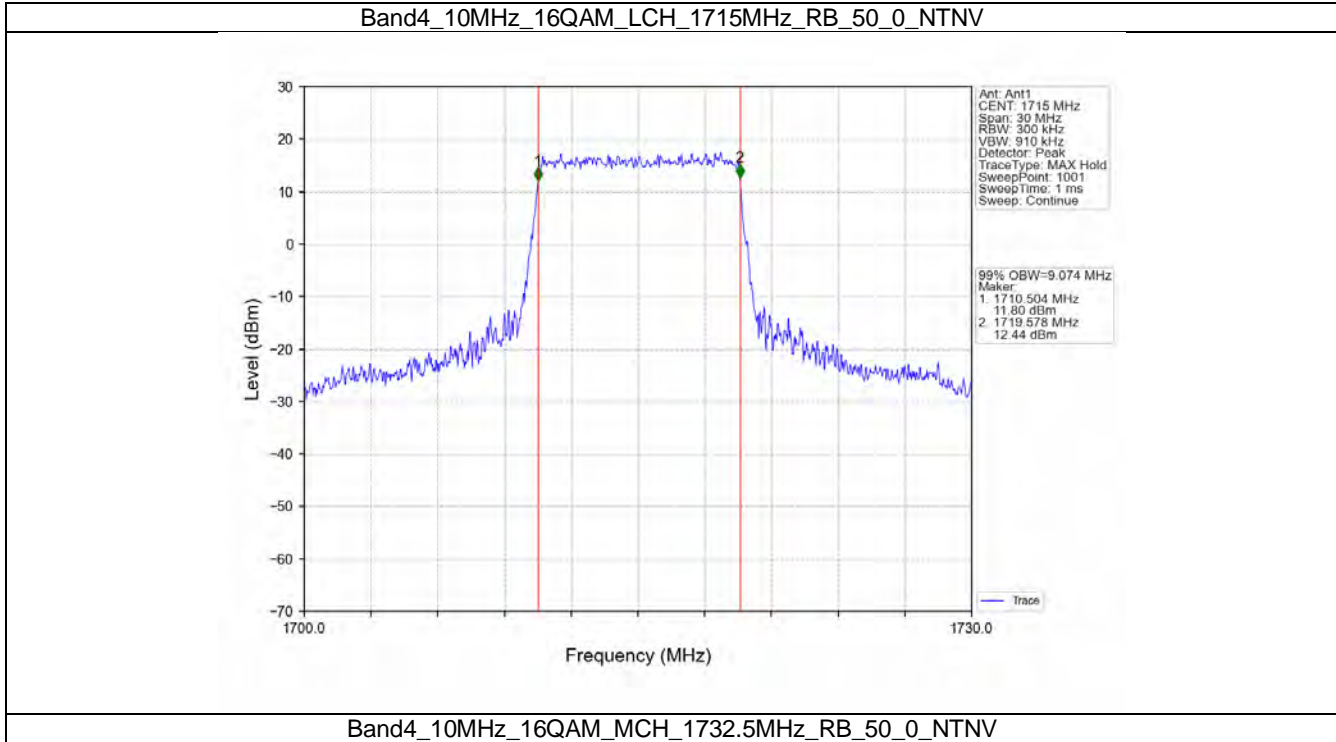


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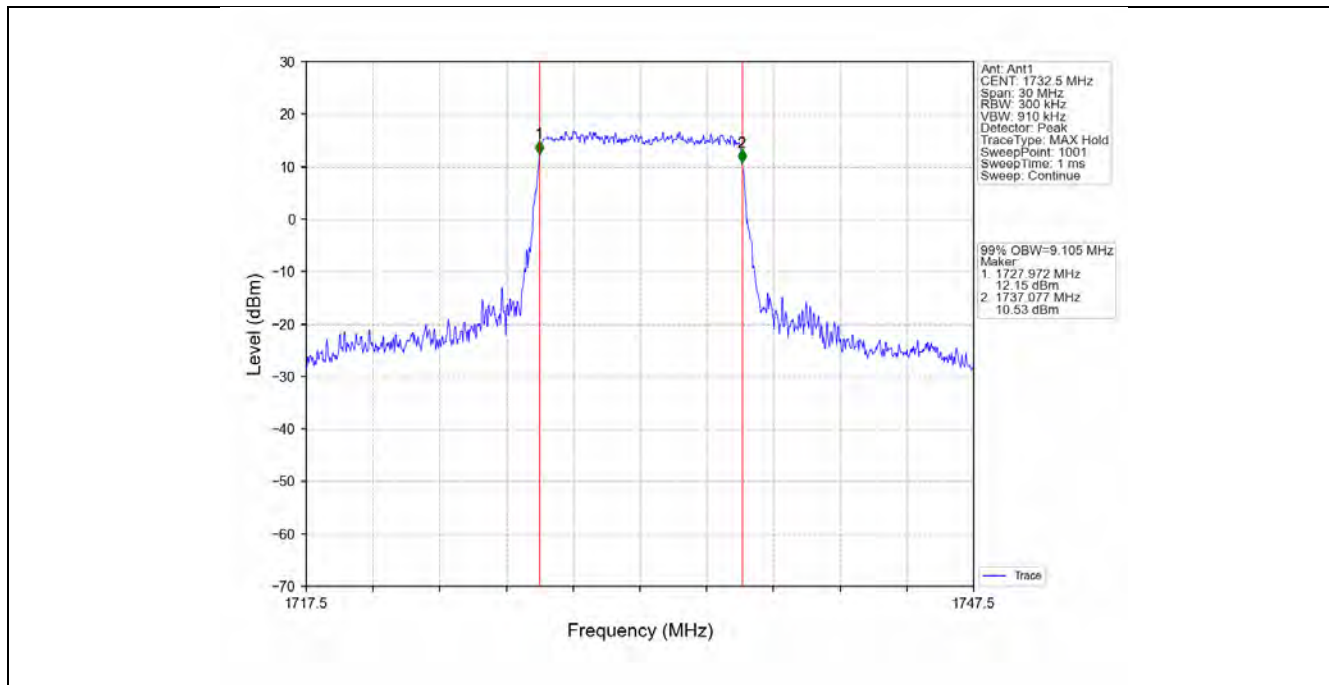
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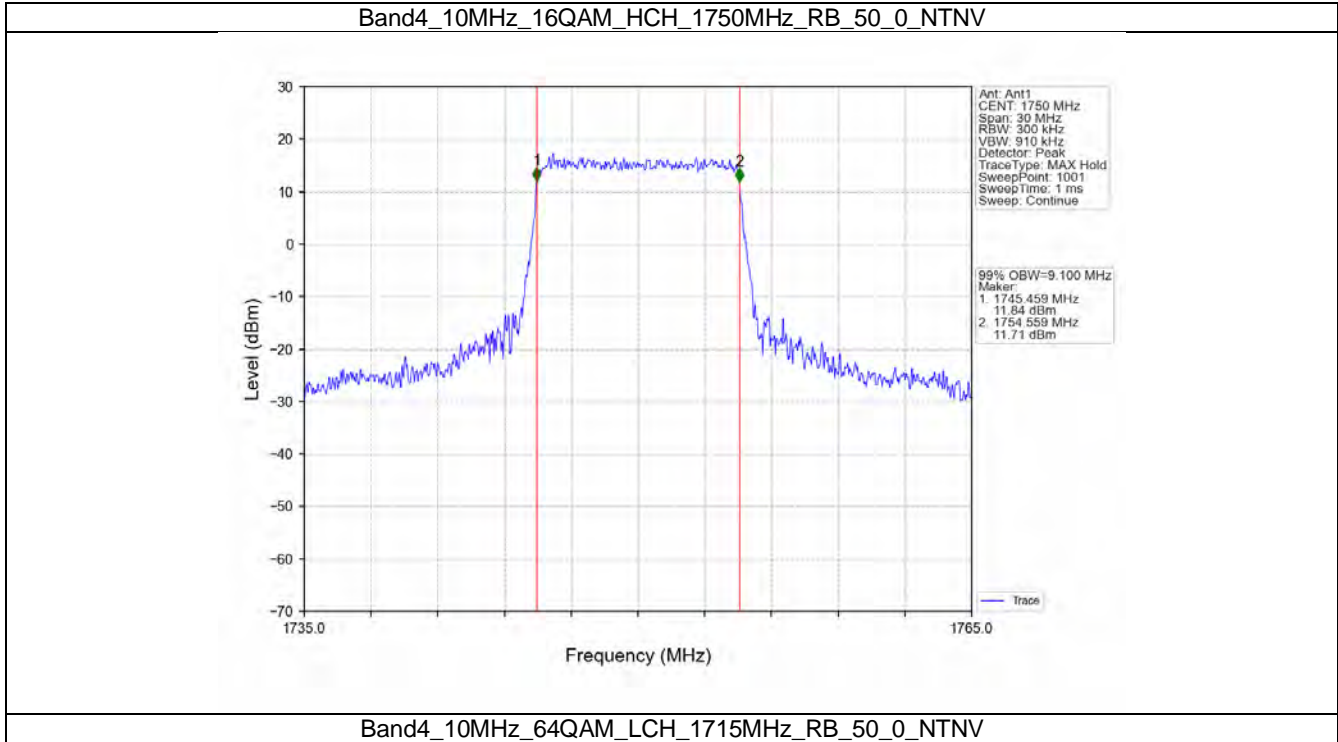


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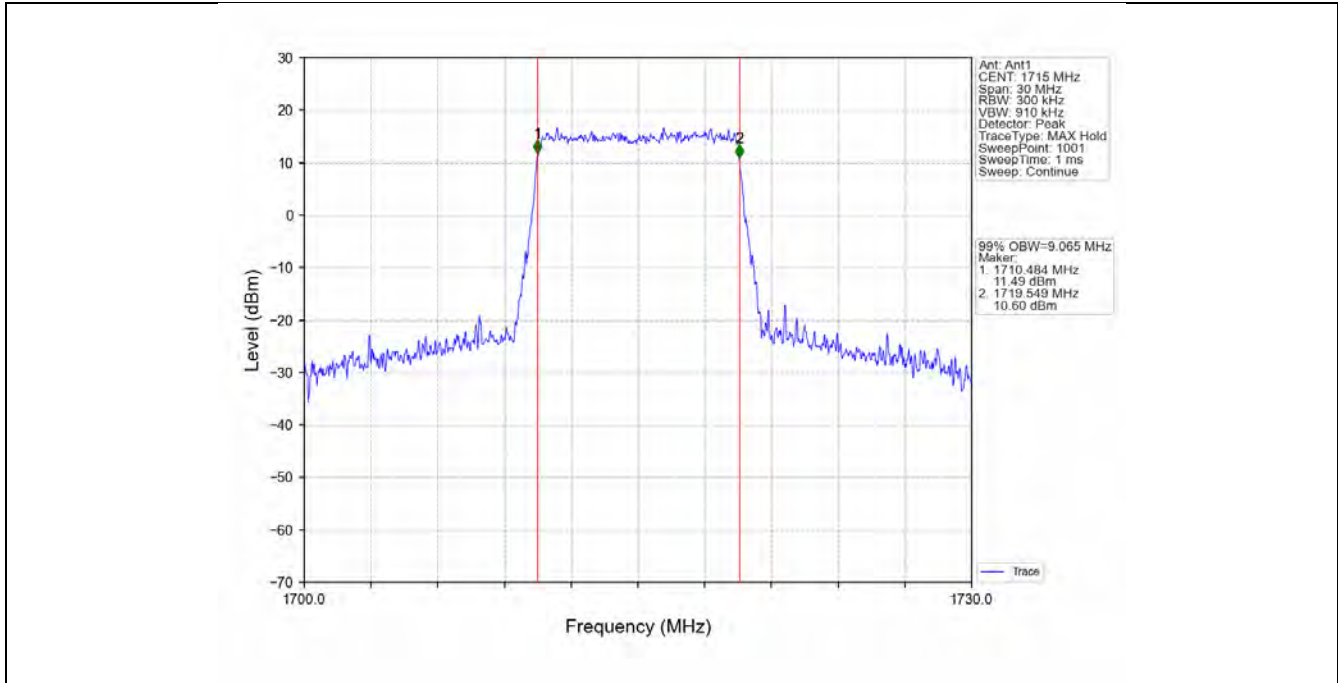


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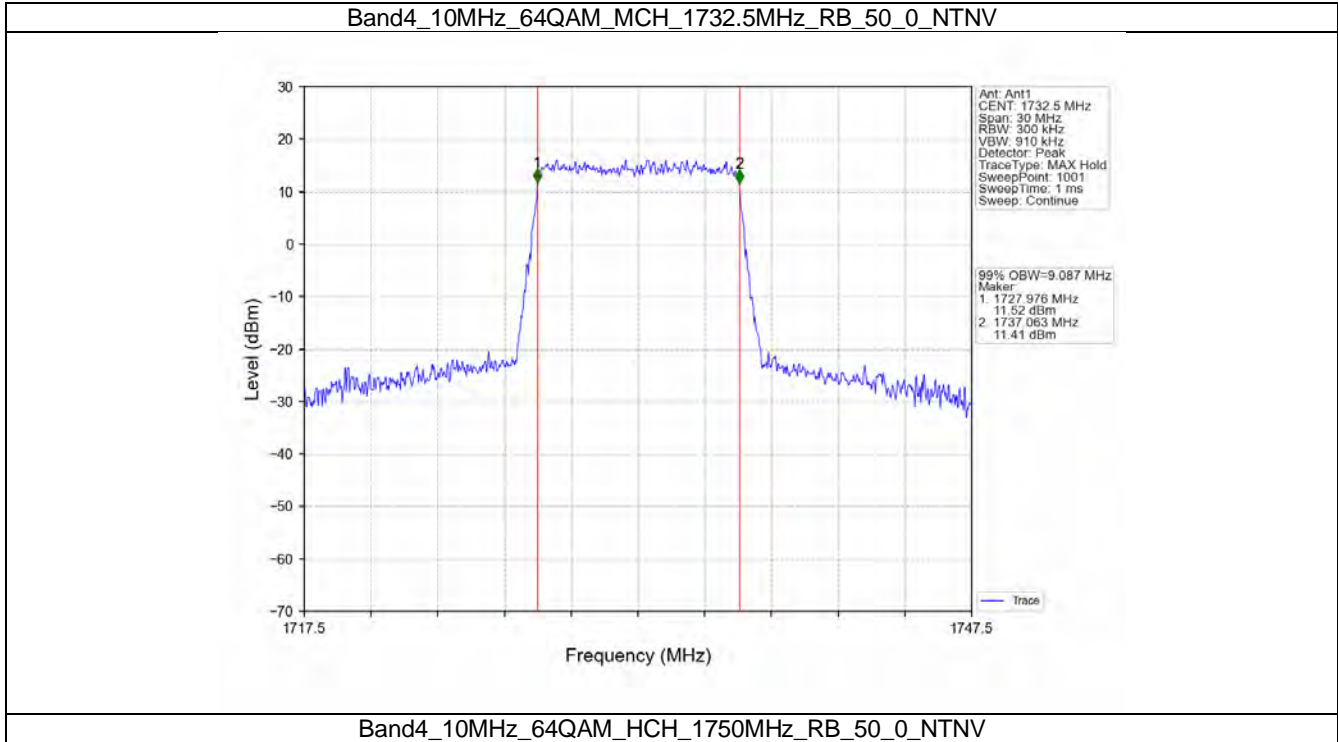


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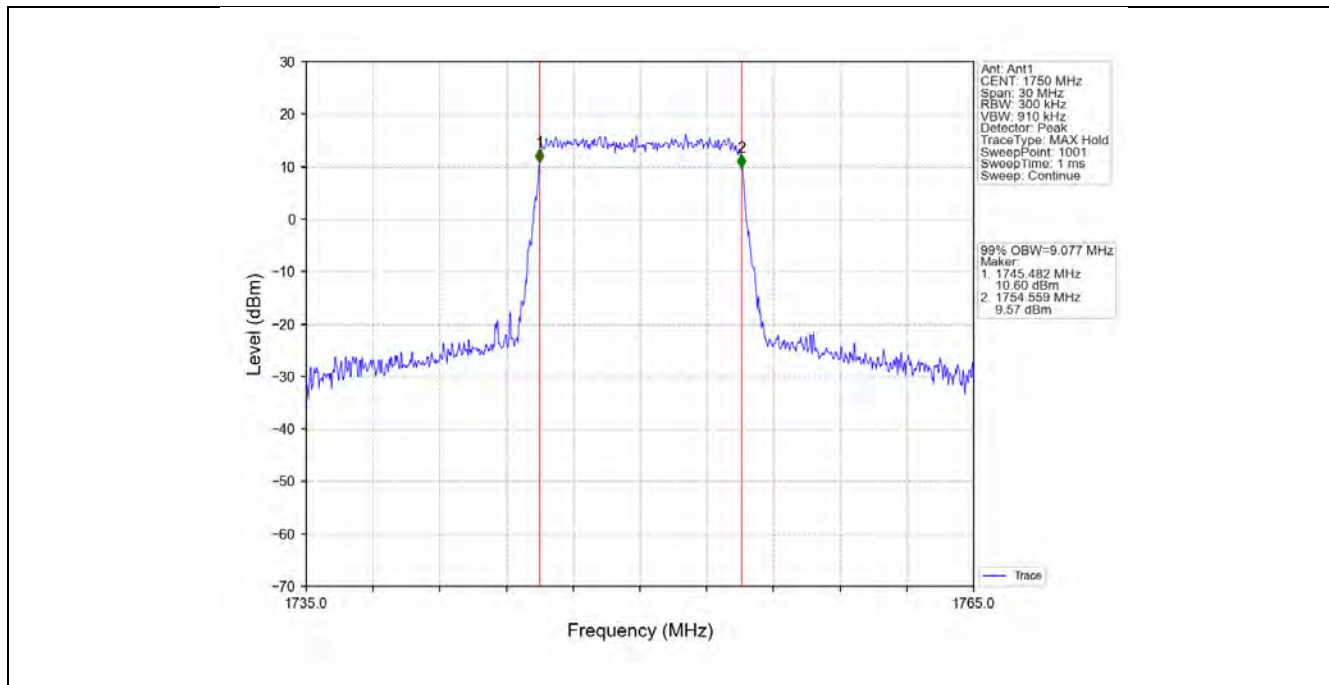
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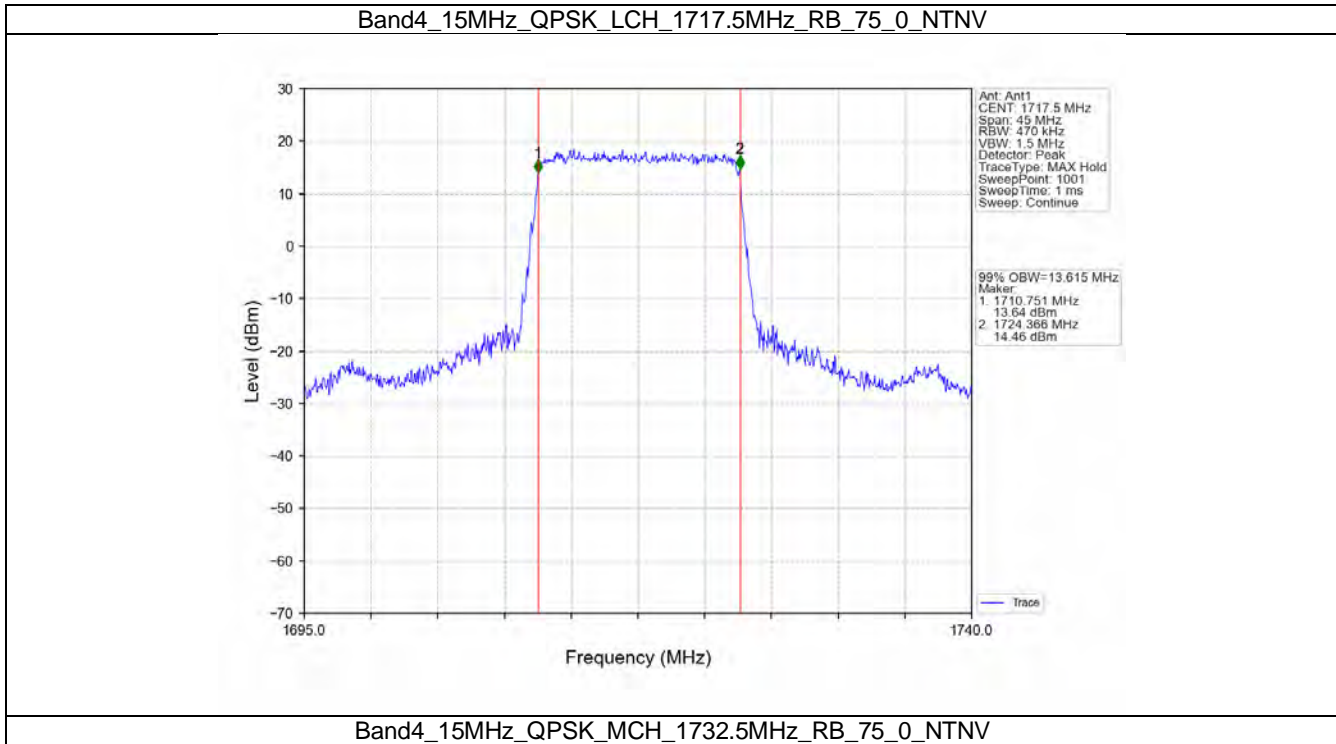


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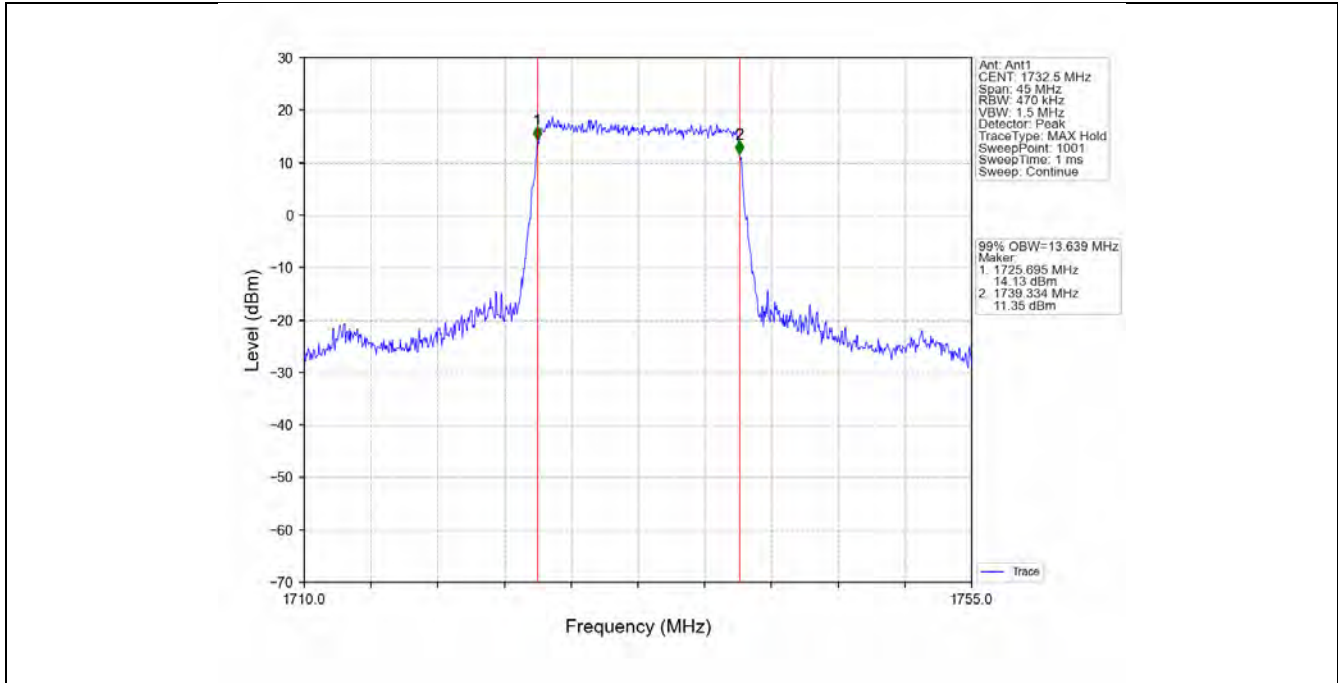


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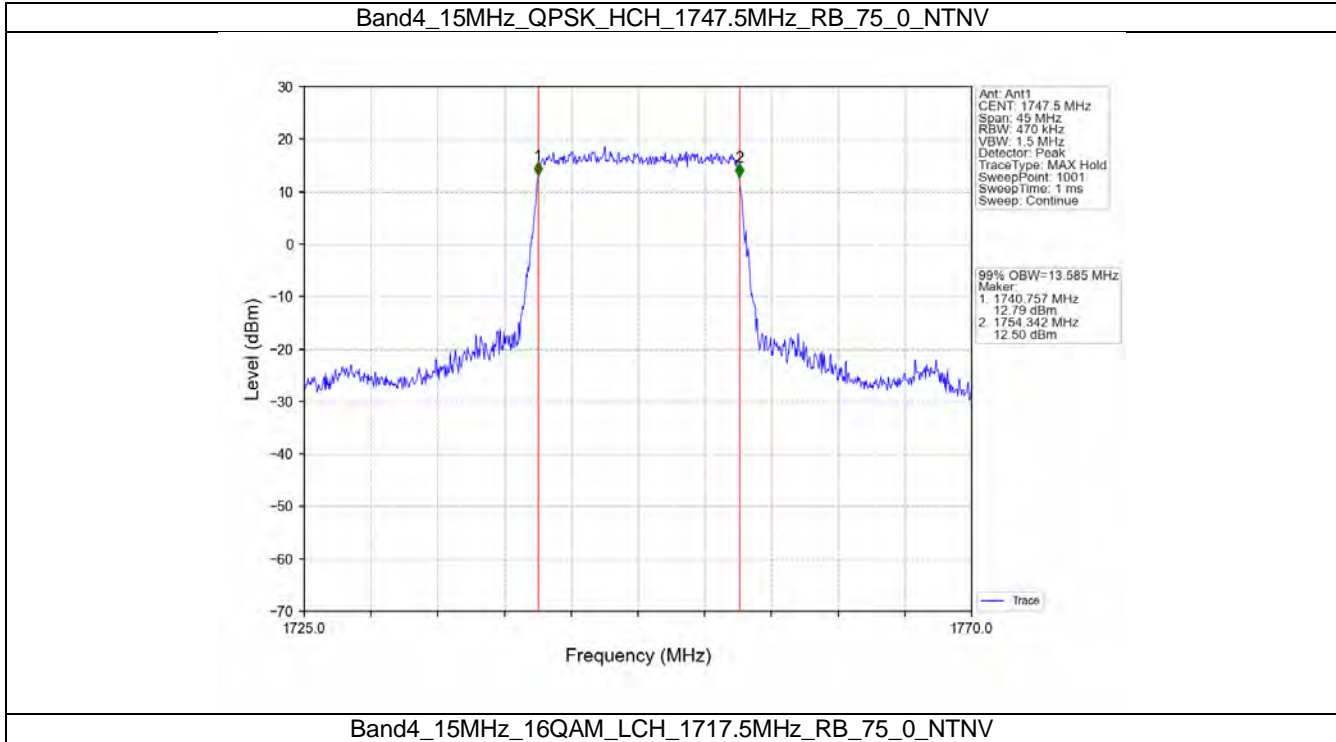


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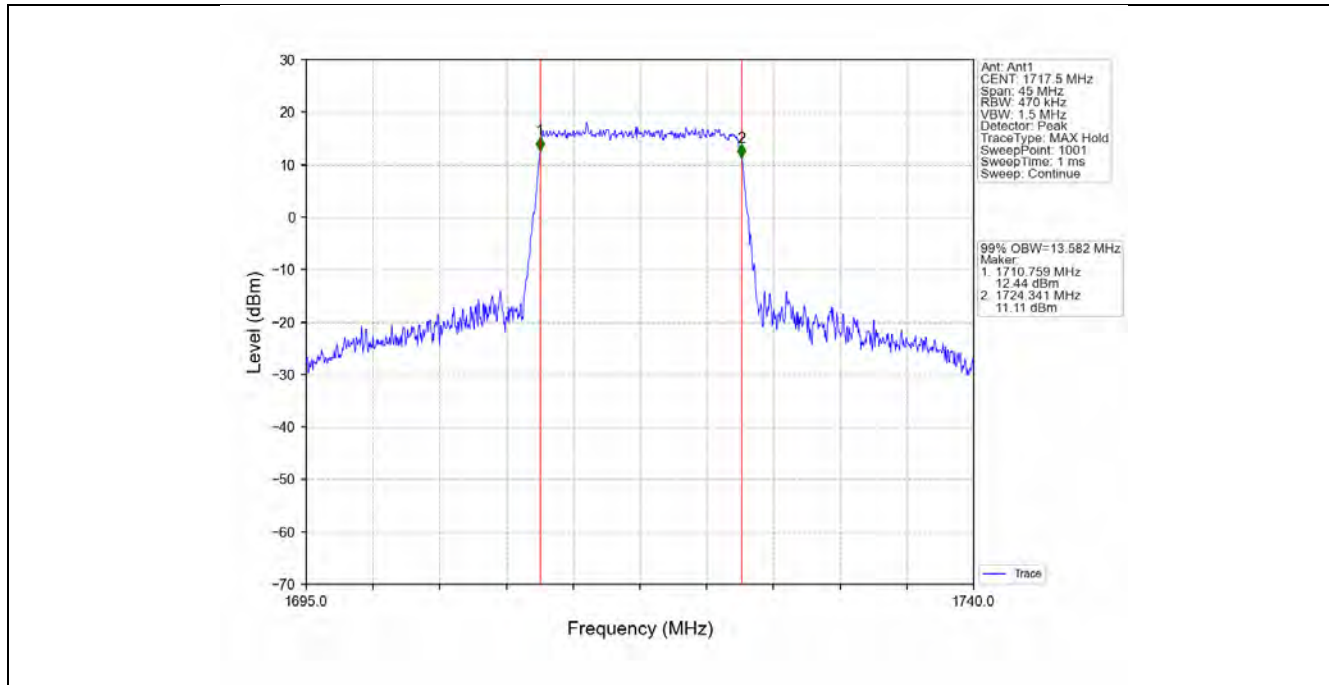
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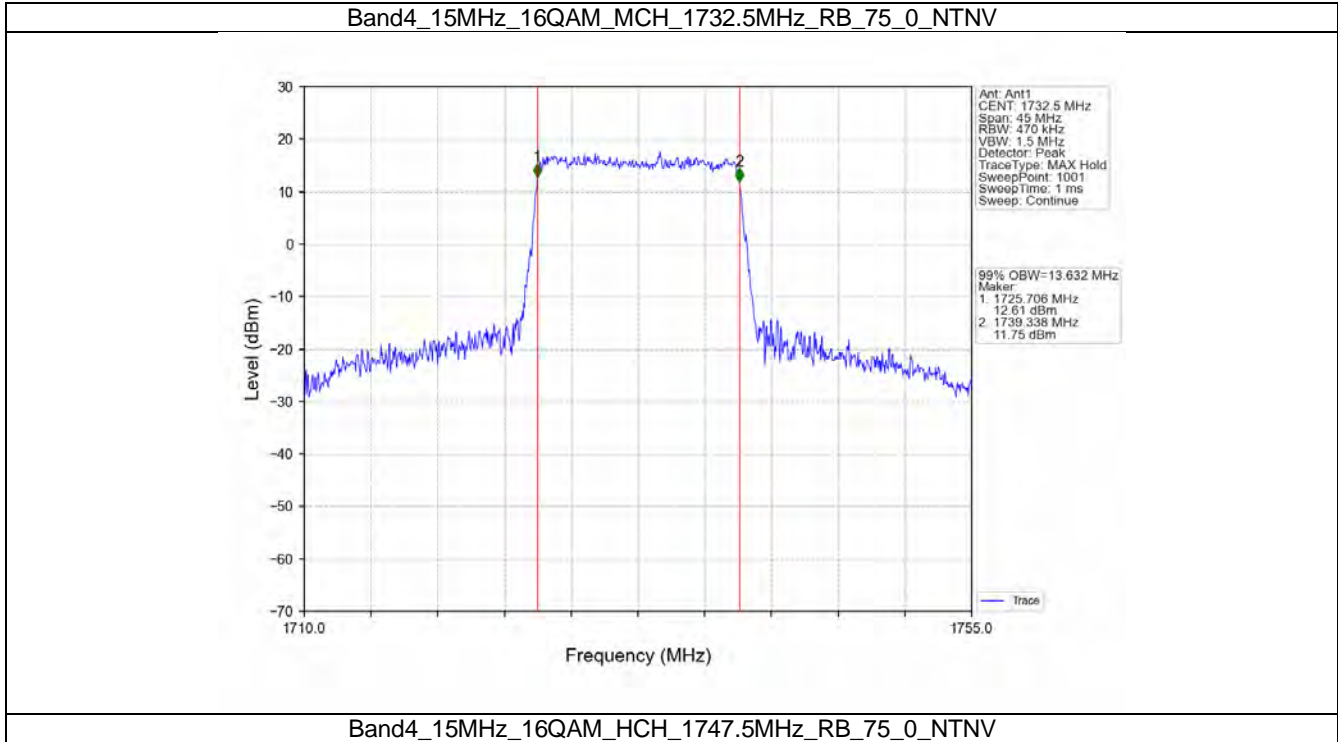


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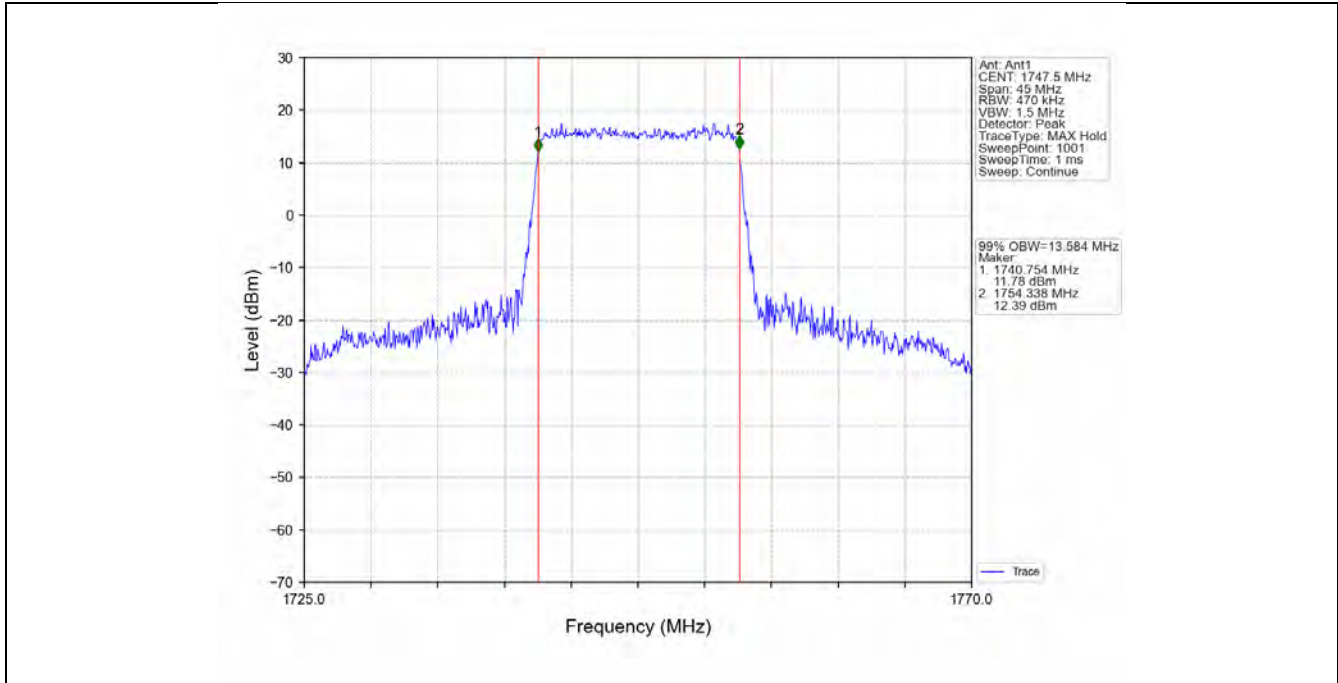


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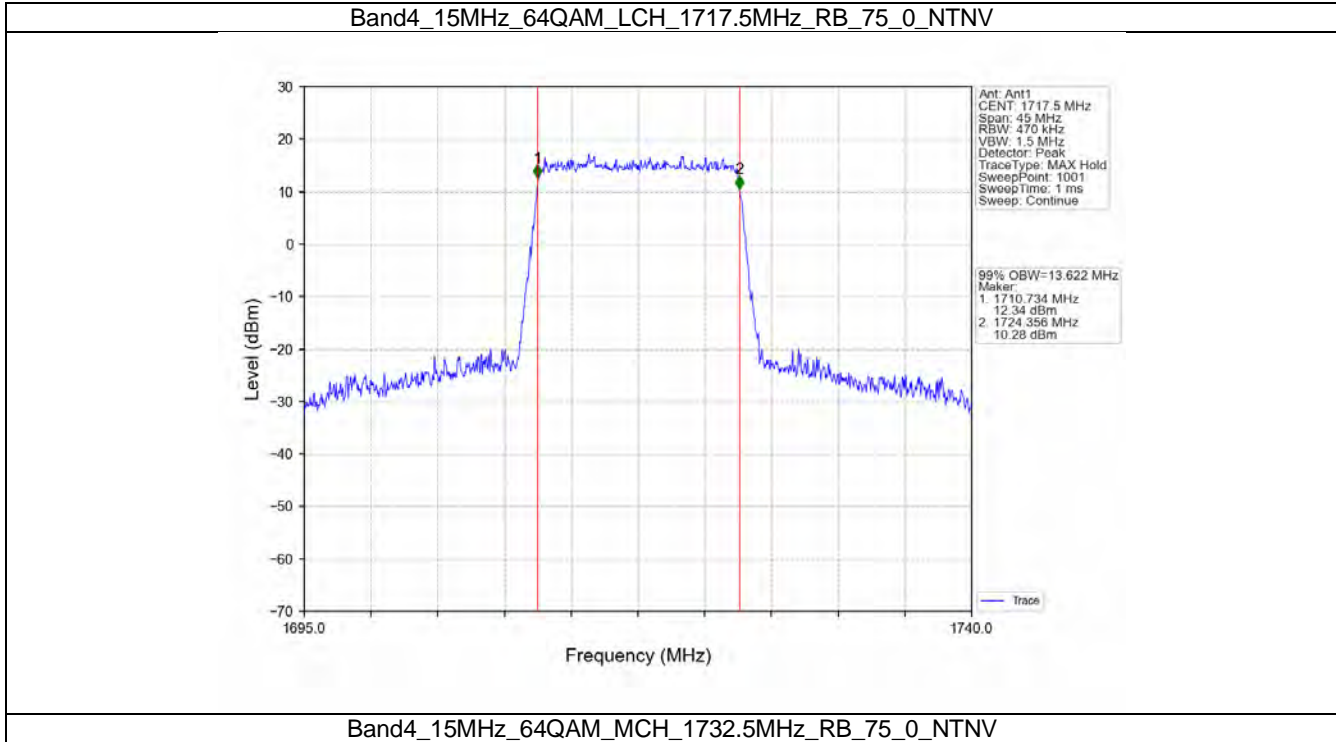


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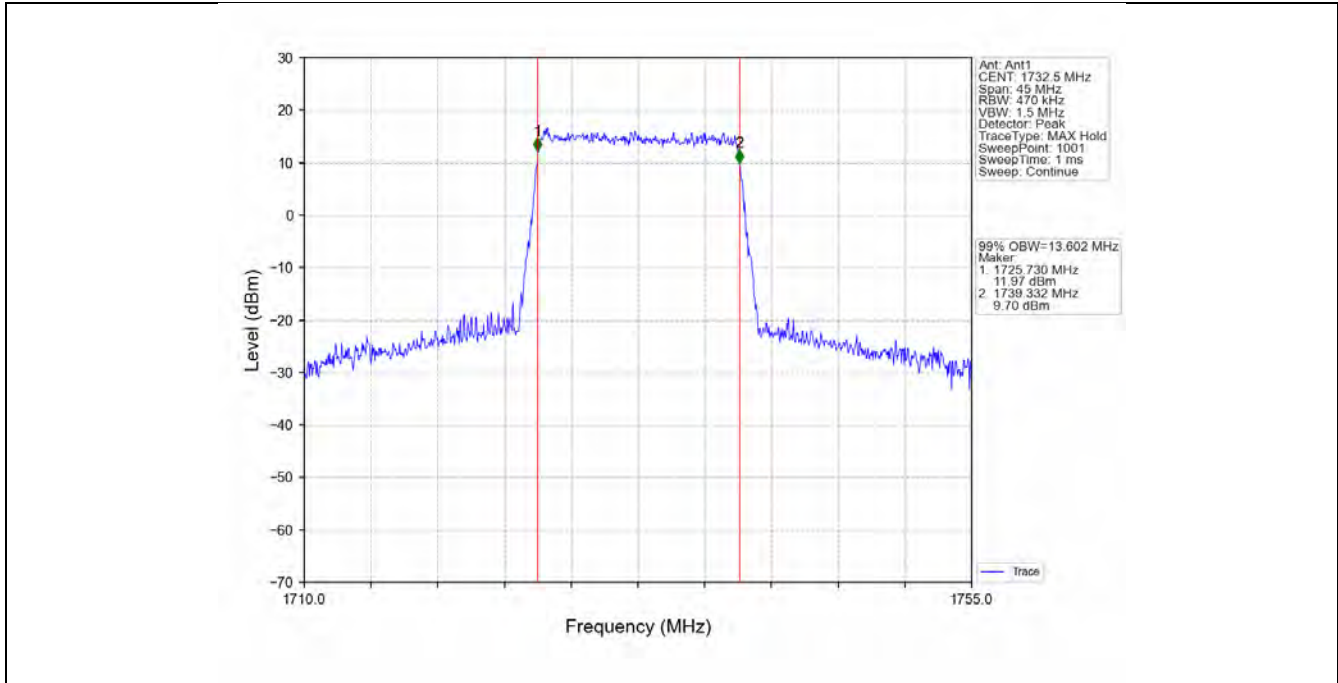


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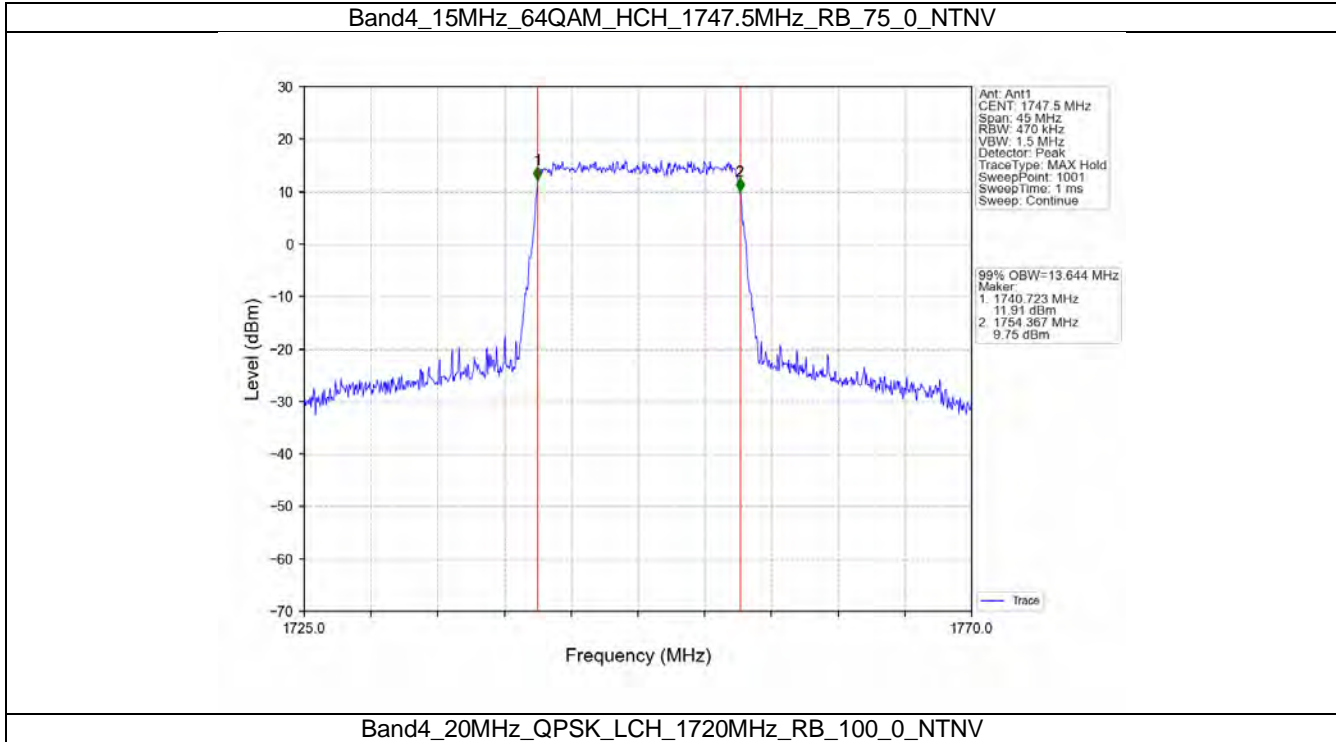


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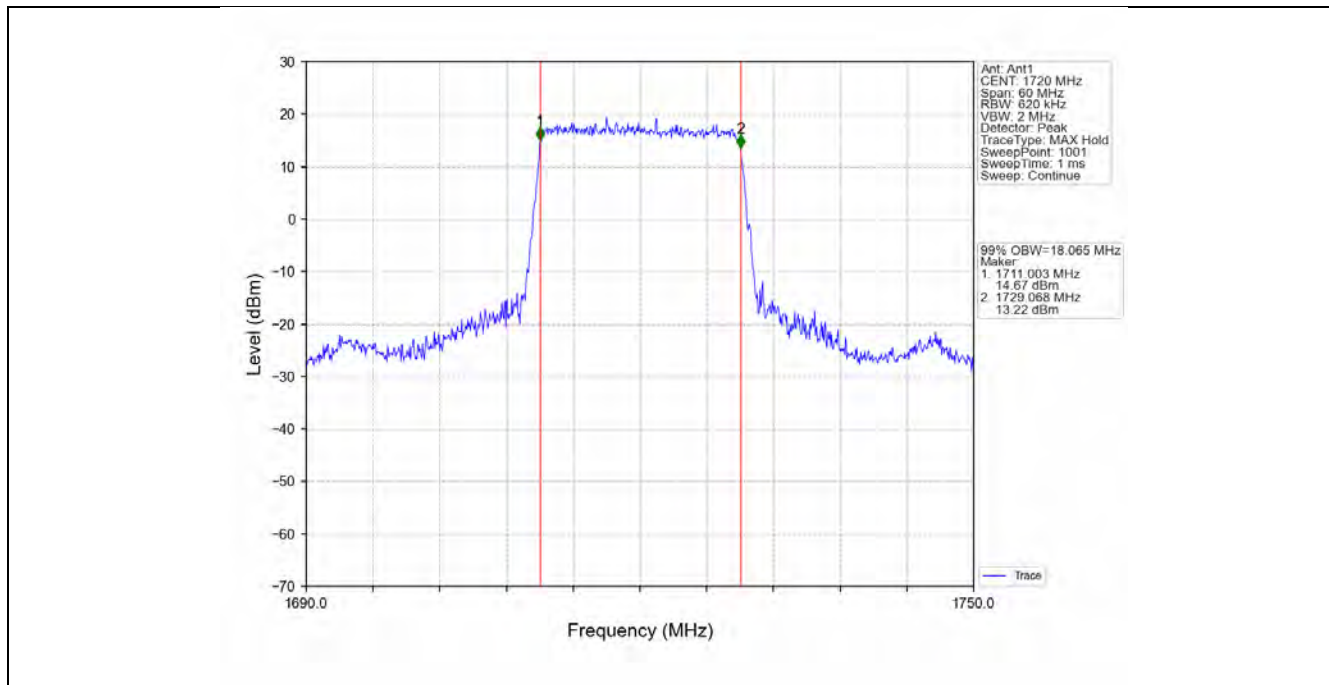
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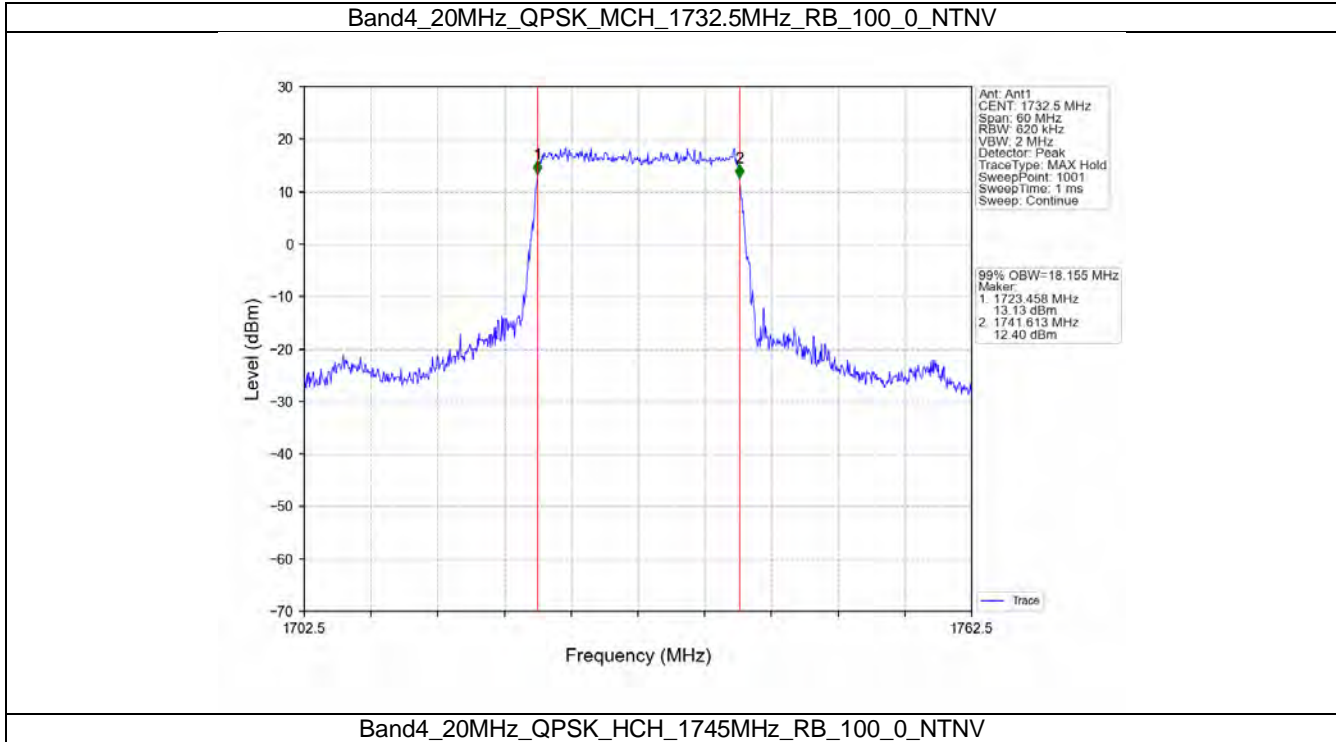


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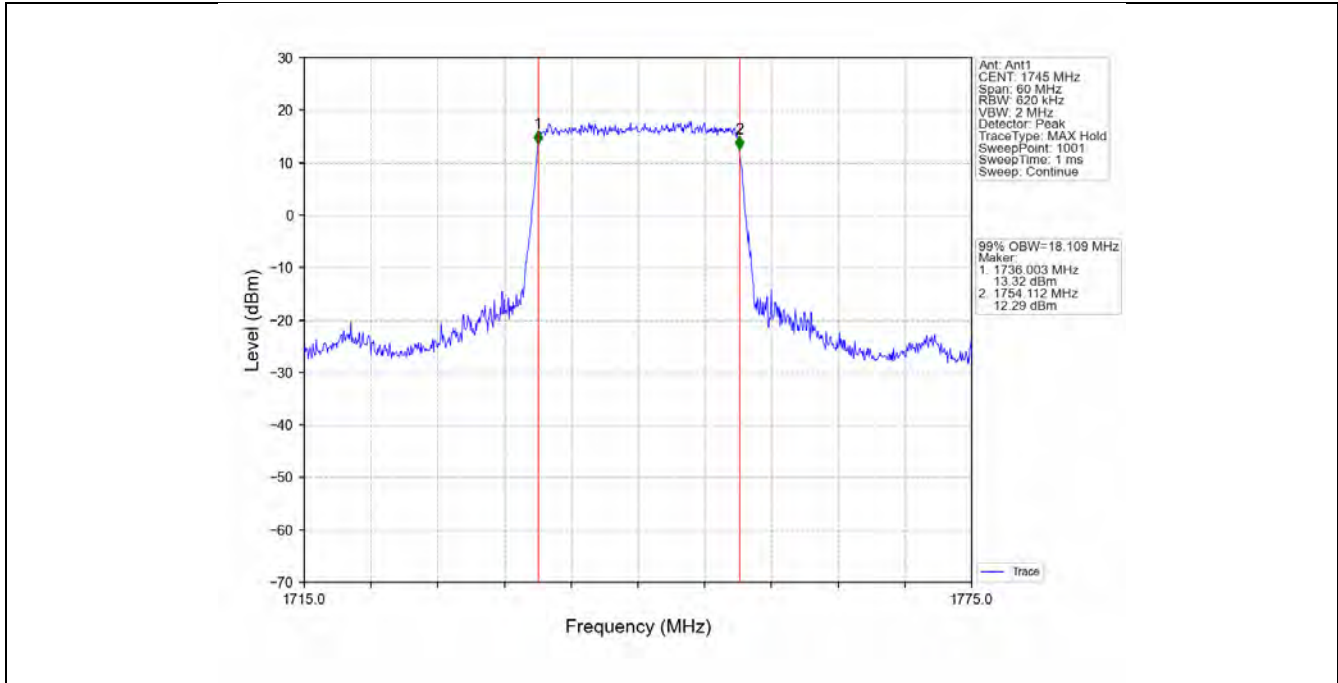


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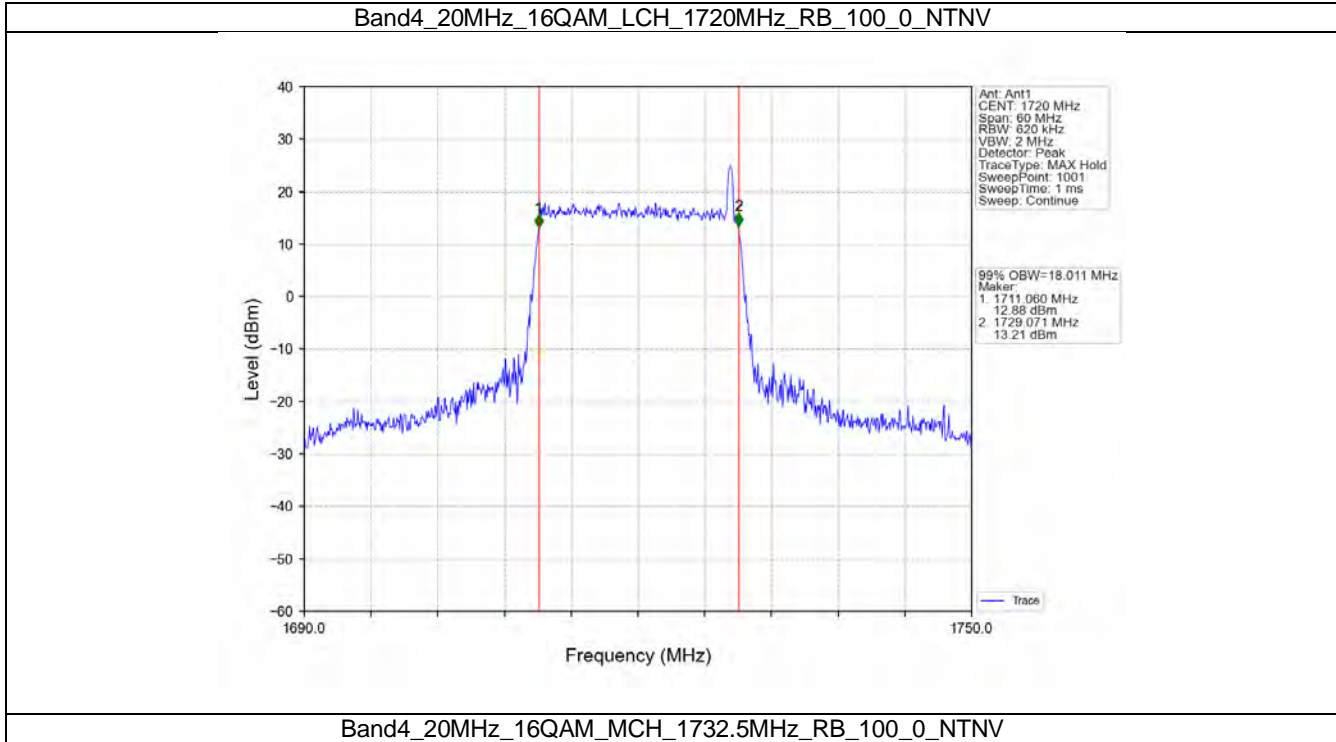


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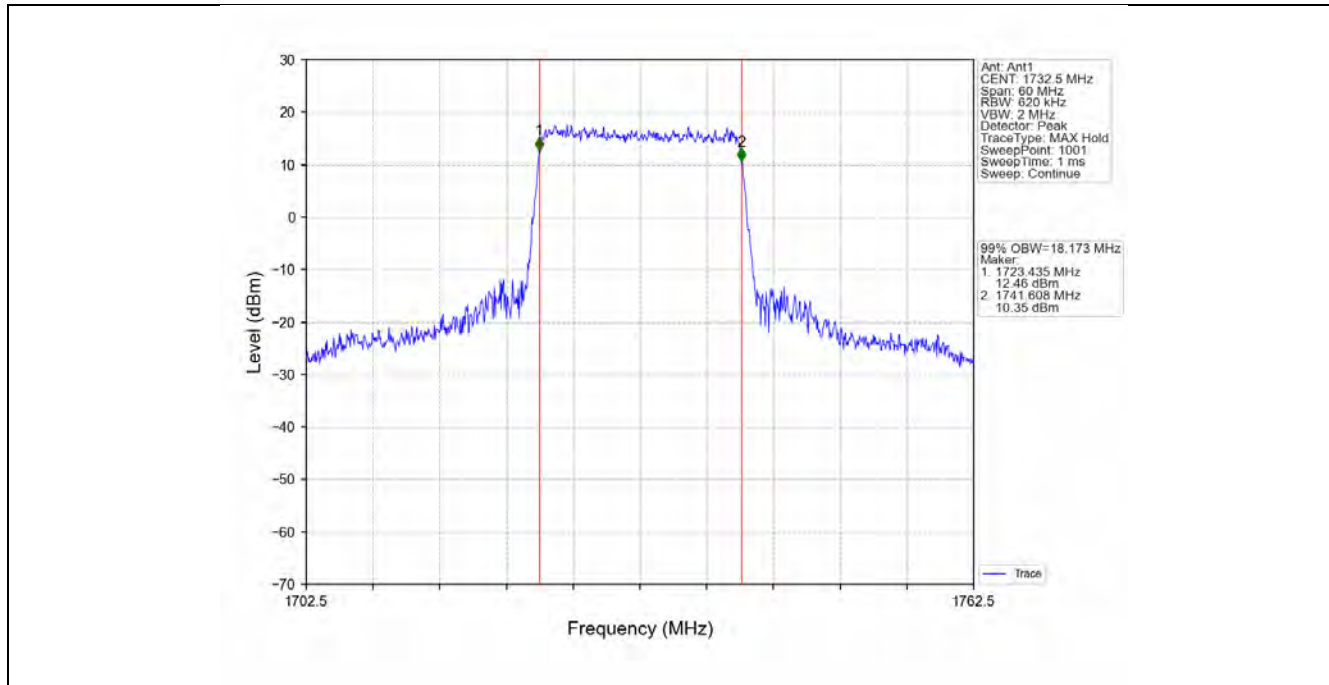
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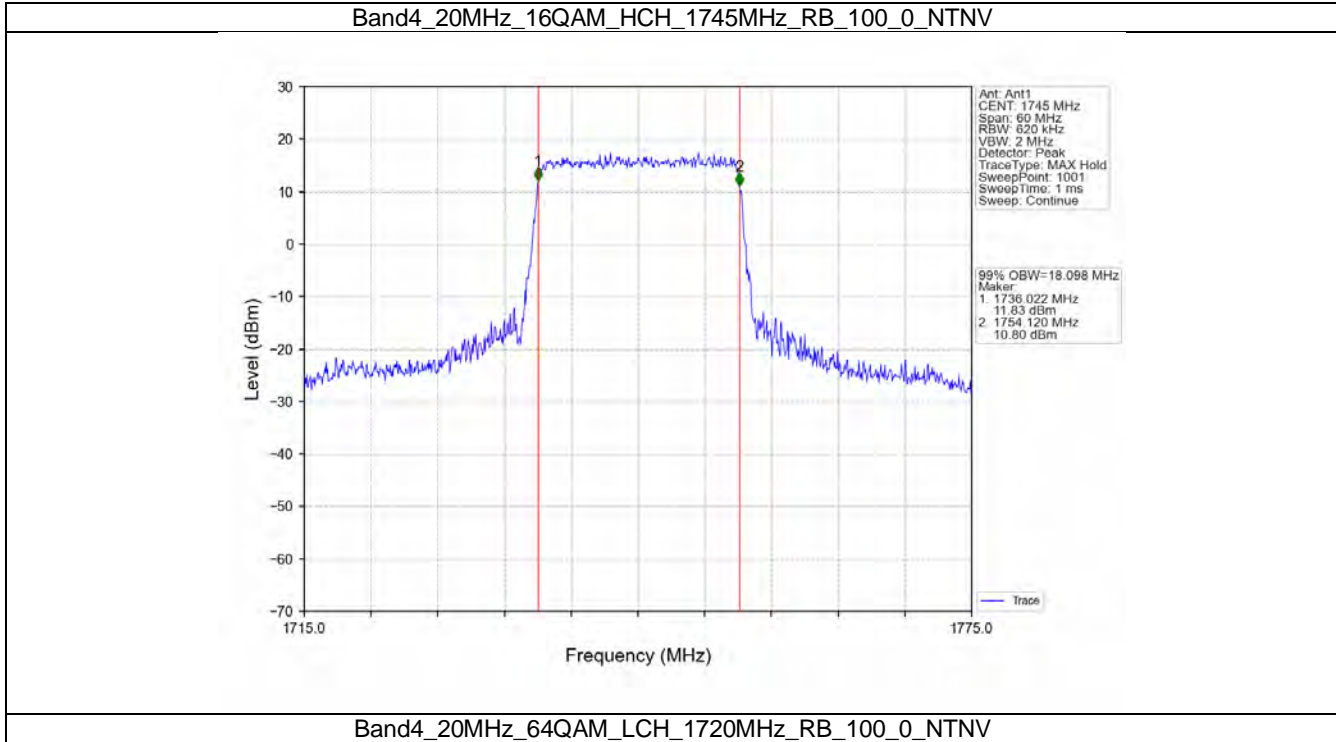


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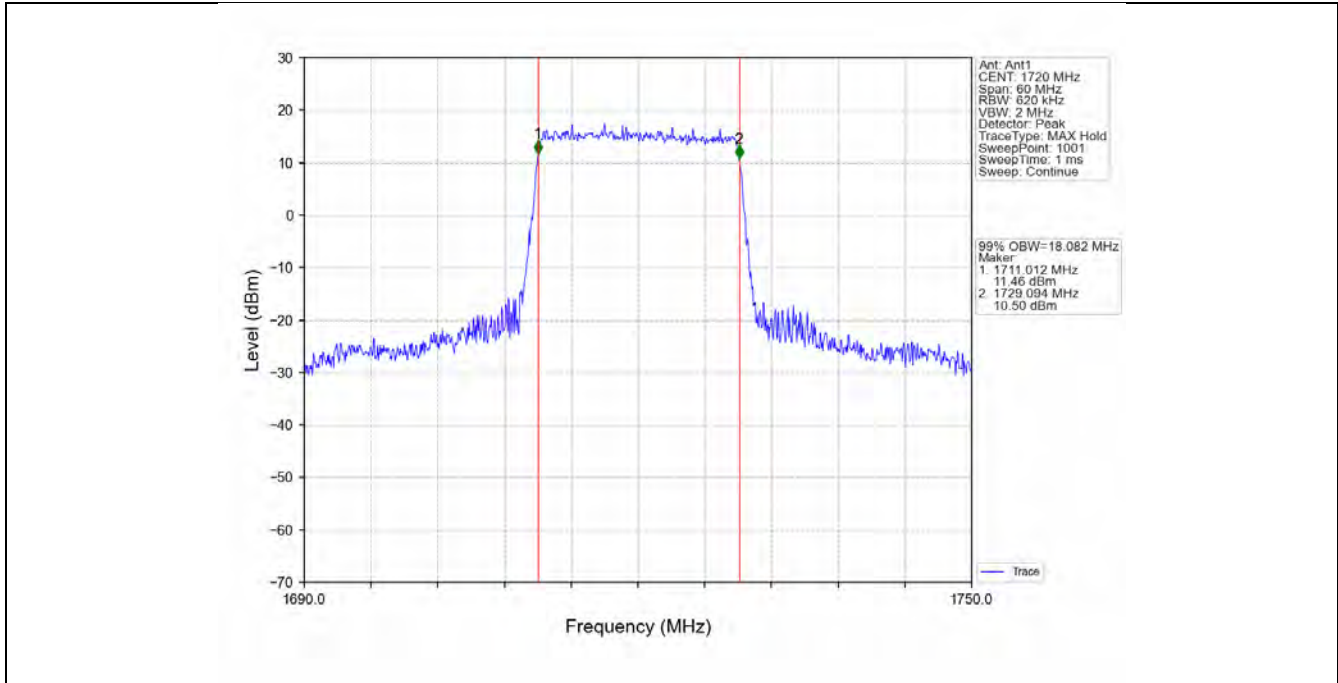


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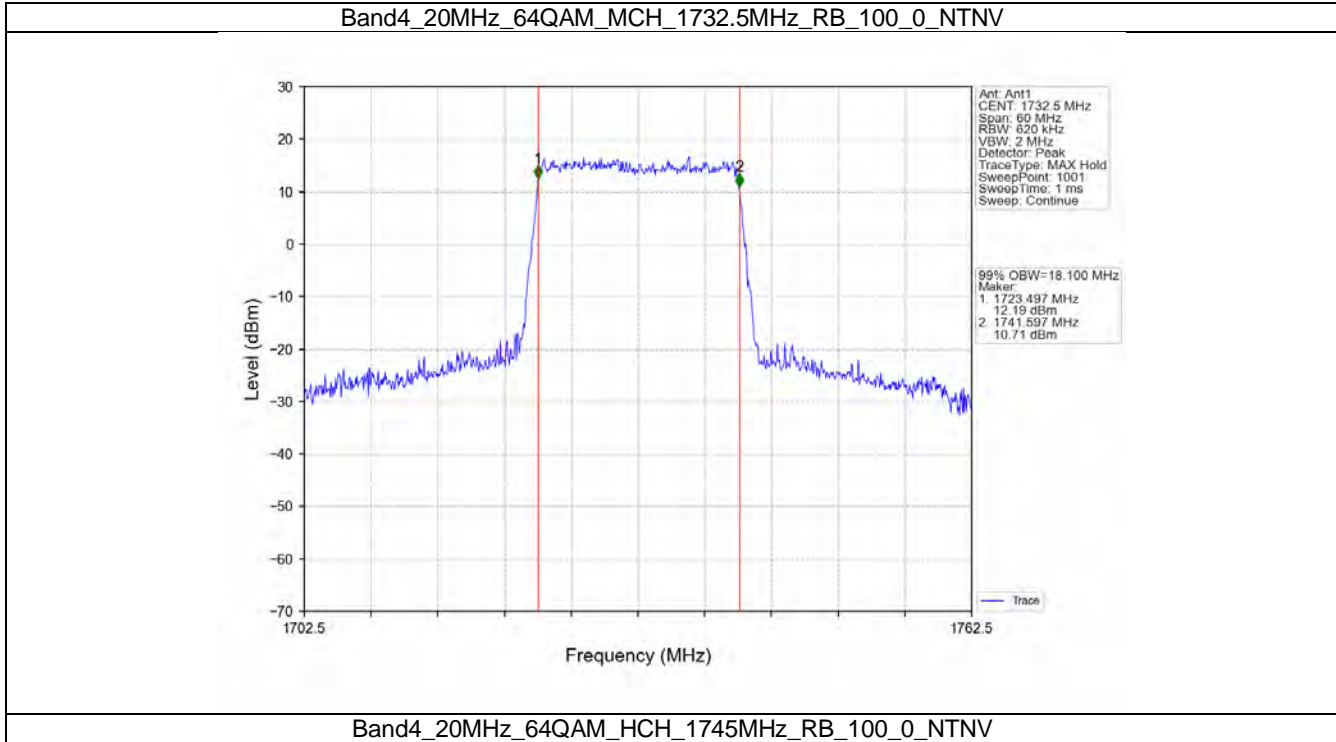


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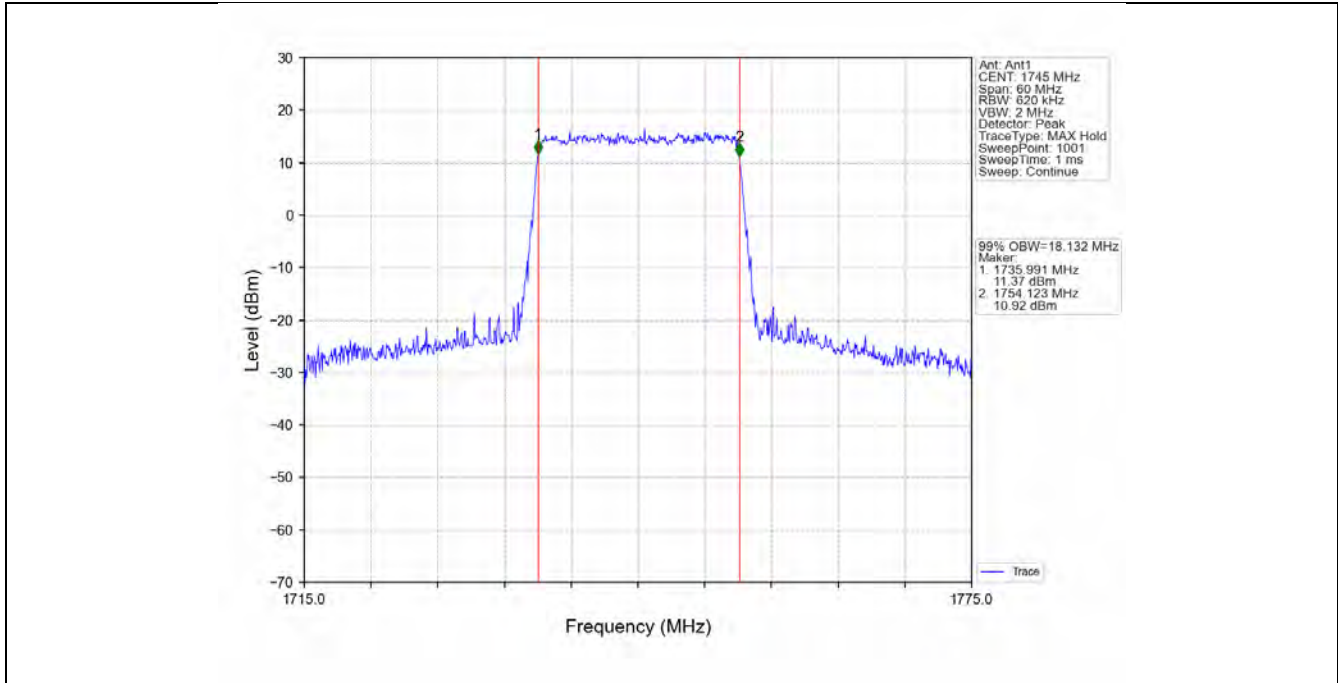


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3.2 Band4_XDB

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	1.411	/	Pass
		1732.5	6	0	1.399	/	Pass
		1754.3	6	0	1.390	/	Pass
	16QAM	1710.7	6	0	1.372	/	Pass
		1732.5	6	0	1.394	/	Pass
		1754.3	6	0	1.417	/	Pass
	64QAM	1710.7	6	0	1.389	/	Pass
		1732.5	6	0	1.392	/	Pass
		1754.3	6	0	1.410	/	Pass
3	QPSK	1711.5	15	0	3.155	/	Pass
		1732.5	15	0	3.121	/	Pass
		1753.5	15	0	3.121	/	Pass
	16QAM	1711.5	15	0	3.090	/	Pass
		1732.5	15	0	3.139	/	Pass
		1753.5	15	0	3.105	/	Pass
	64QAM	1711.5	15	0	3.166	/	Pass
		1732.5	15	0	3.131	/	Pass
		1753.5	15	0	3.130	/	Pass
5	QPSK	1712.5	25	0	5.164	/	Pass
		1732.5	25	0	5.261	/	Pass
		1752.5	25	0	5.237	/	Pass
	16QAM	1712.5	25	0	5.171	/	Pass
		1732.5	25	0	5.269	/	Pass
		1752.5	25	0	5.250	/	Pass
	64QAM	1712.5	25	0	5.276	/	Pass
		1732.5	25	0	5.236	/	Pass
		1752.5	25	0	5.255	/	Pass
10	QPSK	1715	50	0	10.314	/	Pass
		1732.5	50	0	10.208	/	Pass
		1750	50	0	10.200	/	Pass
	16QAM	1715	50	0	10.204	/	Pass
		1732.5	50	0	10.261	/	Pass
		1750	50	0	10.230	/	Pass
	64QAM	1715	50	0	10.278	/	Pass
		1732.5	50	0	10.187	/	Pass
		1750	50	0	10.231	/	Pass
15	QPSK	1717.5	75	0	15.128	/	Pass
		1732.5	75	0	15.145	/	Pass



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		1747.5	75	0	15.130	/	Pass
	16QAM	1717.5	75	0	15.063	/	Pass
		1732.5	75	0	15.207	/	Pass
		1747.5	75	0	15.248	/	Pass
		1717.5	75	0	15.079	/	Pass
	64QAM	1732.5	75	0	15.256	/	Pass
		1747.5	75	0	15.280	/	Pass
		1720	100	0	19.985	/	Pass
20	QPSK	1732.5	100	0	20.133	/	Pass
		1745	100	0	20.174	/	Pass
		1720	100	0	19.428	/	Pass
	16QAM	1732.5	100	0	20.073	/	Pass
		1745	100	0	20.219	/	Pass
		1720	100	0	19.952	/	Pass
	64QAM	1732.5	100	0	20.145	/	Pass
		1745	100	0	20.160	/	Pass



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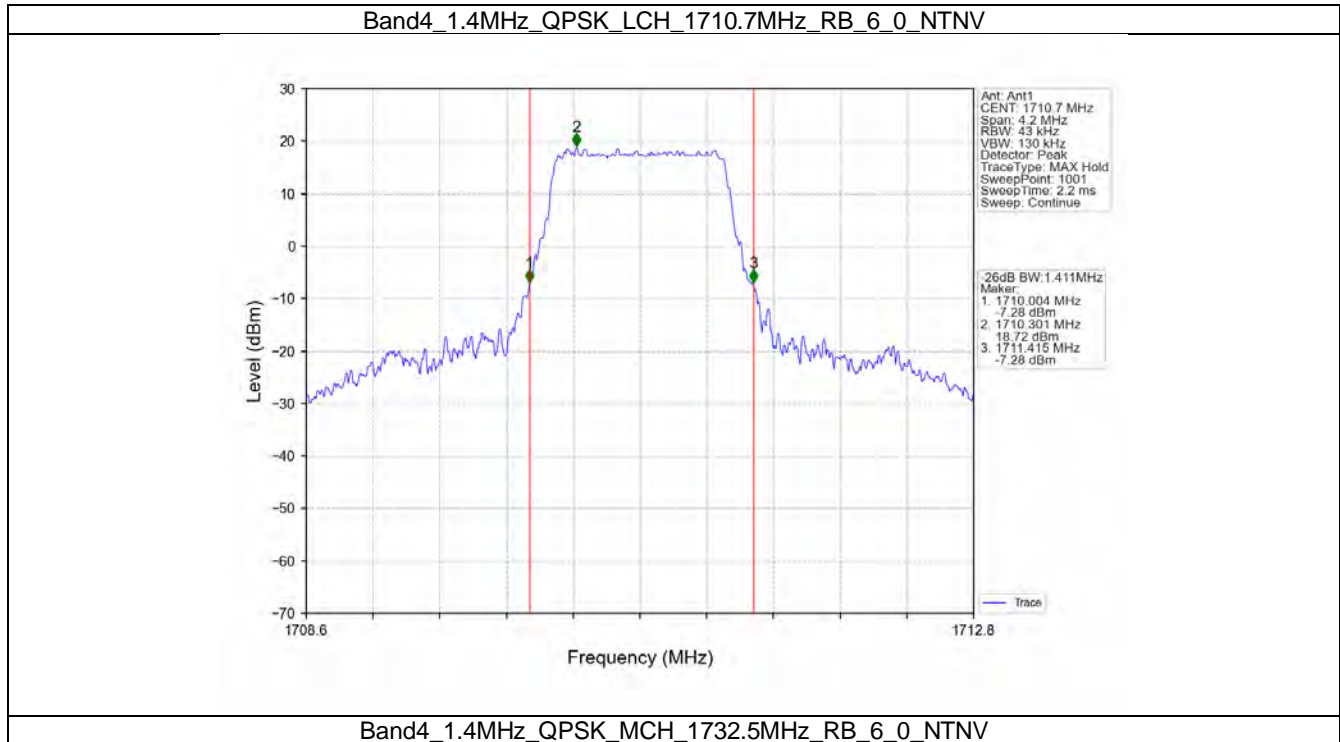
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3.2.2 Test Graph



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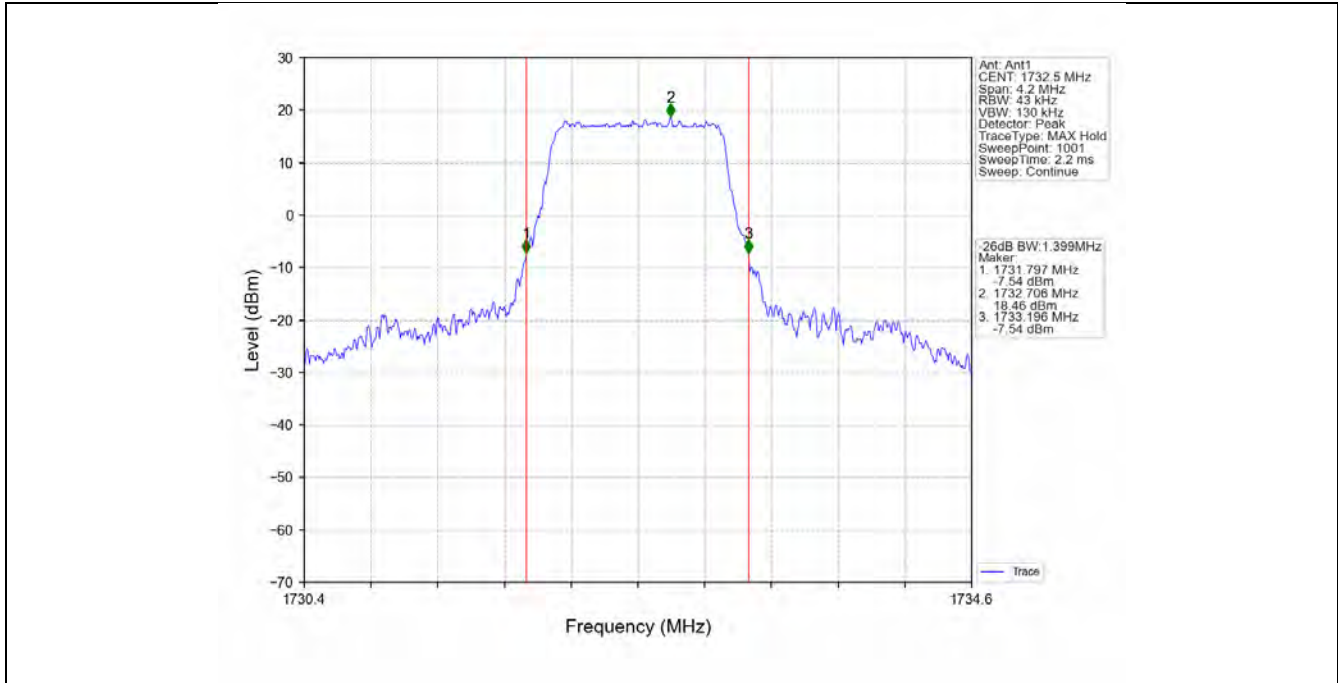


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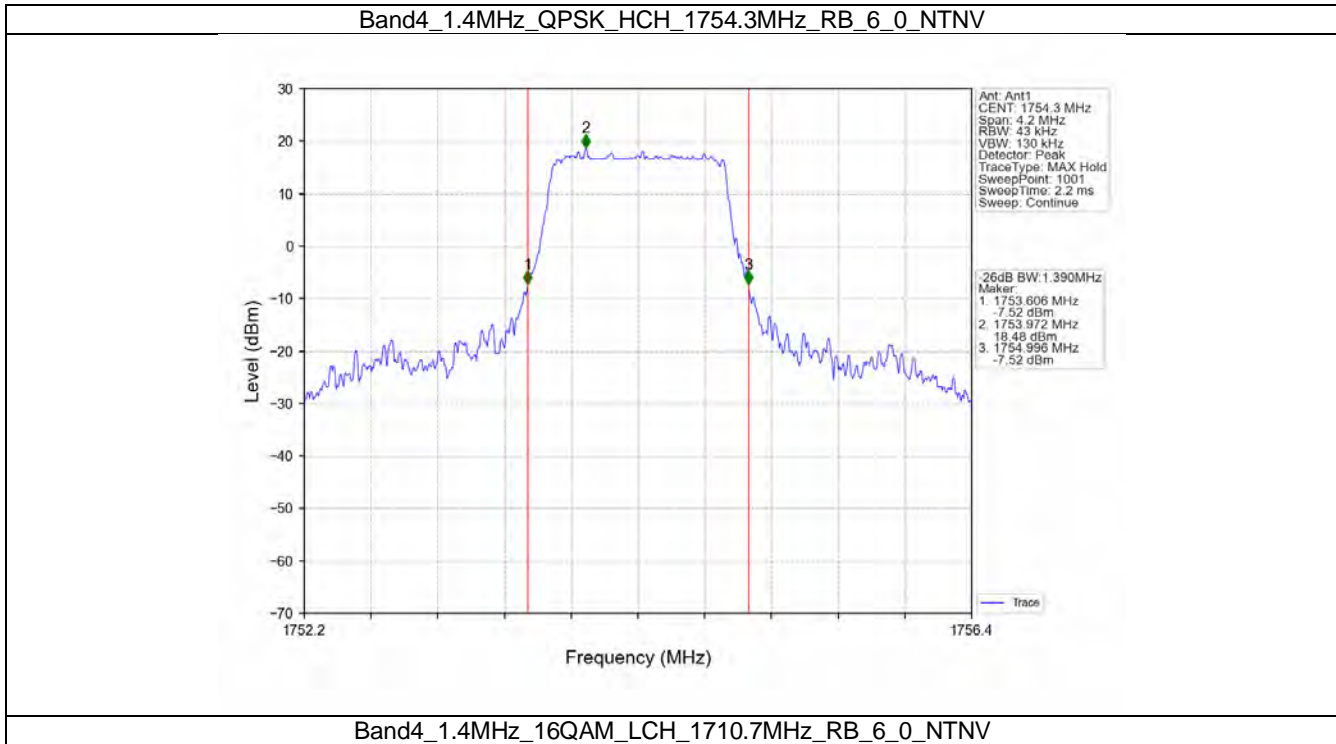


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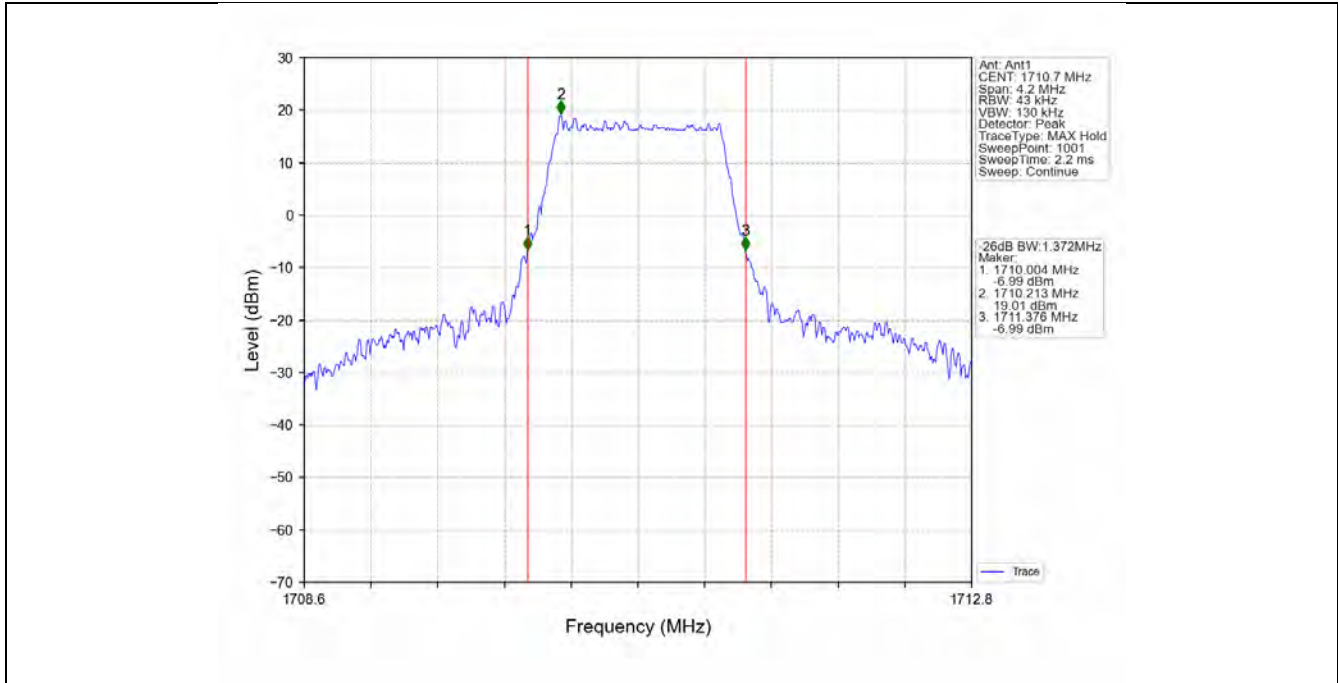


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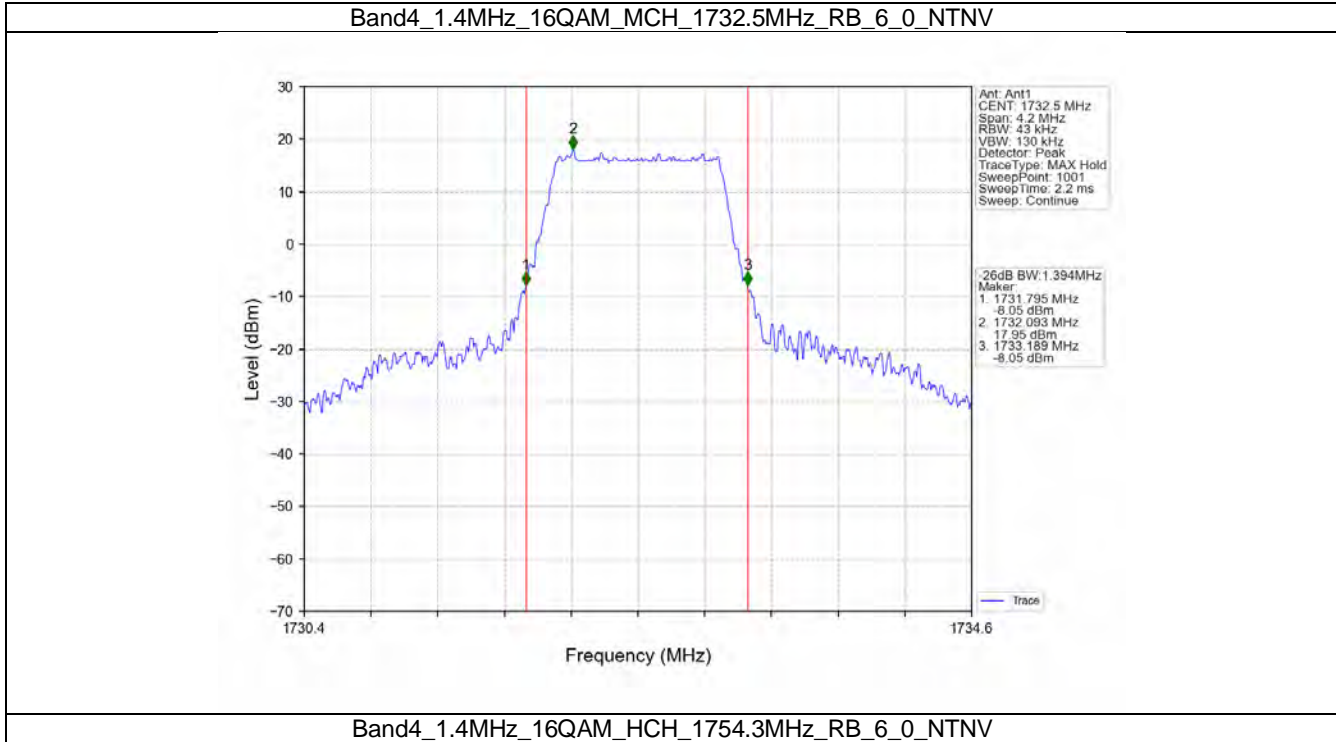


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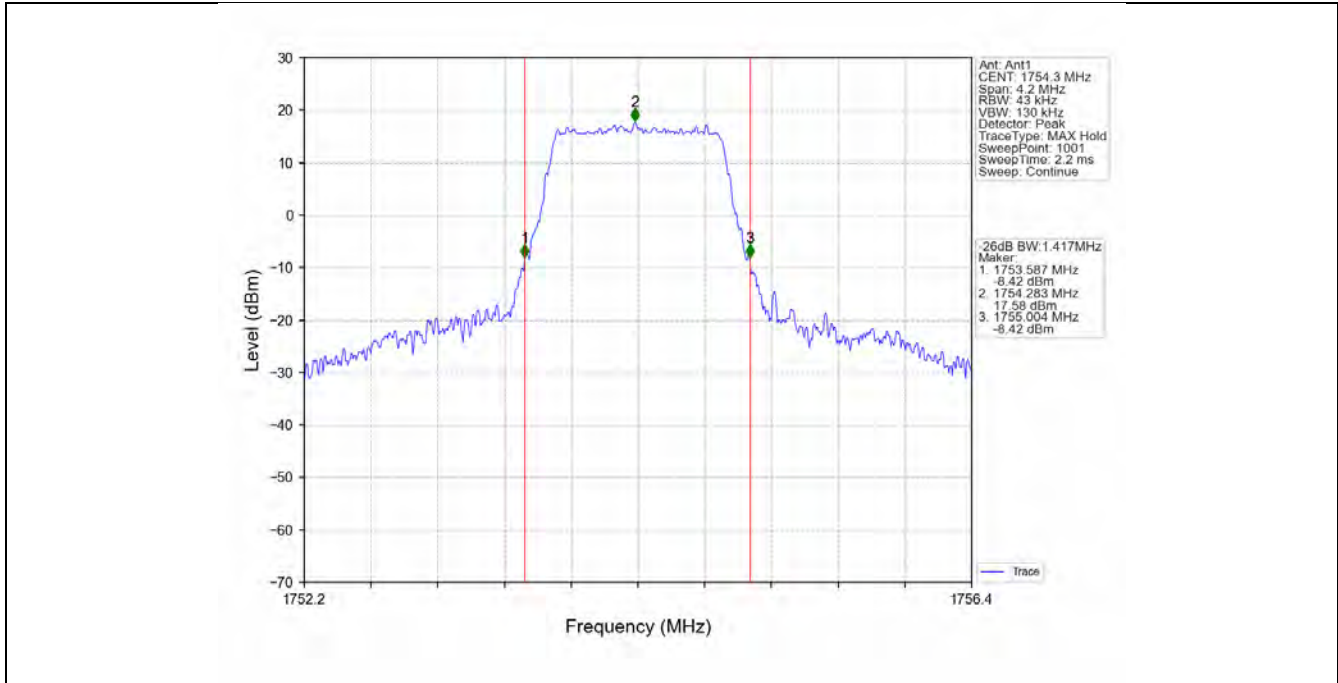


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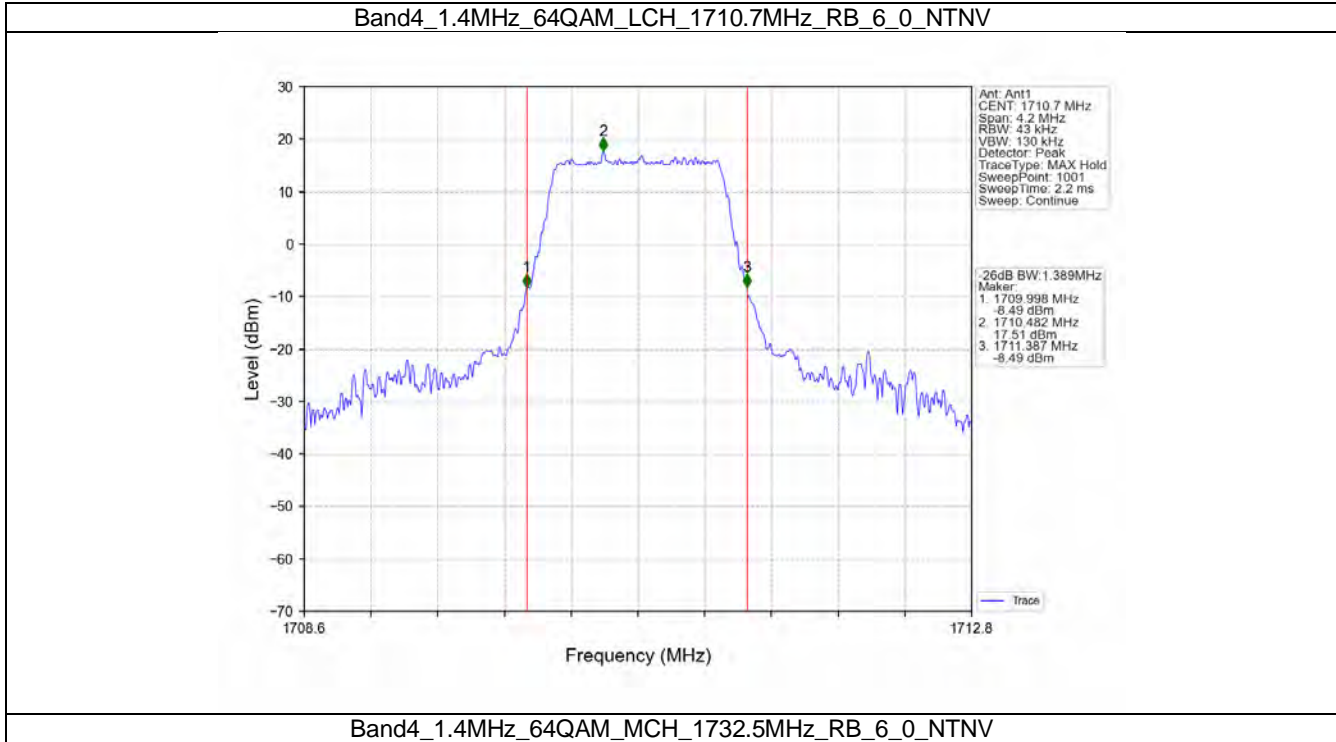


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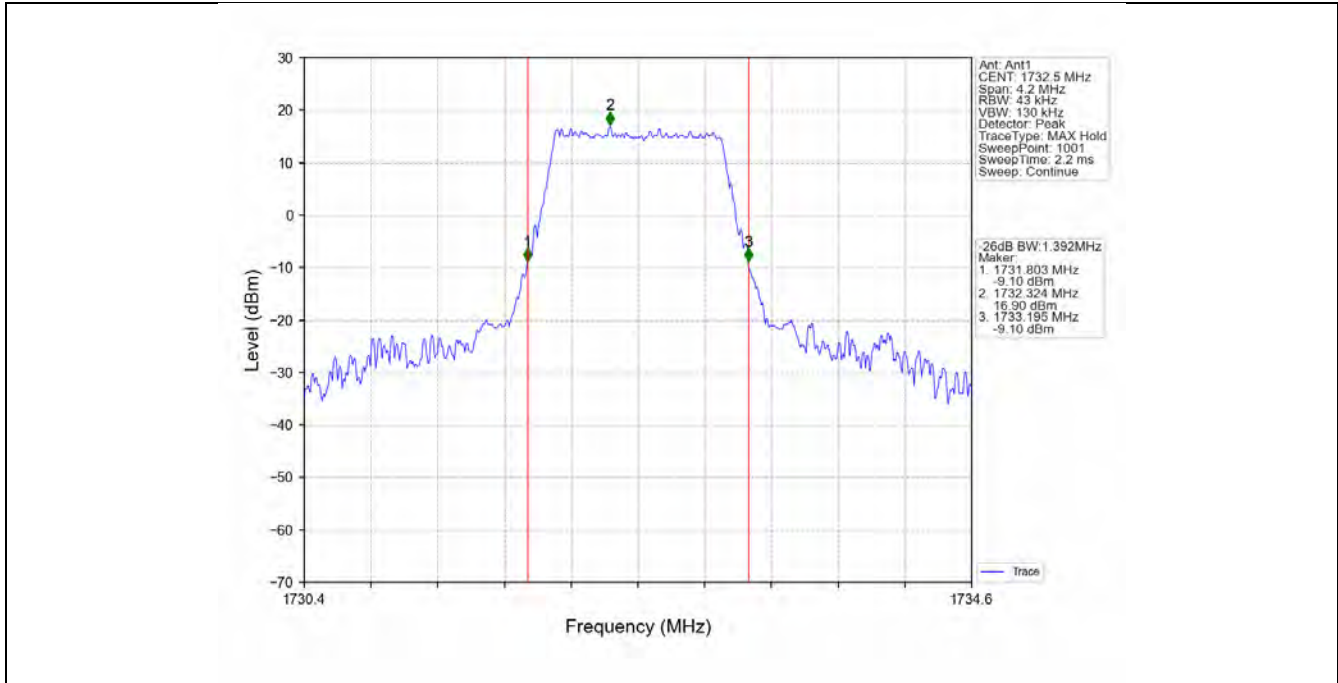


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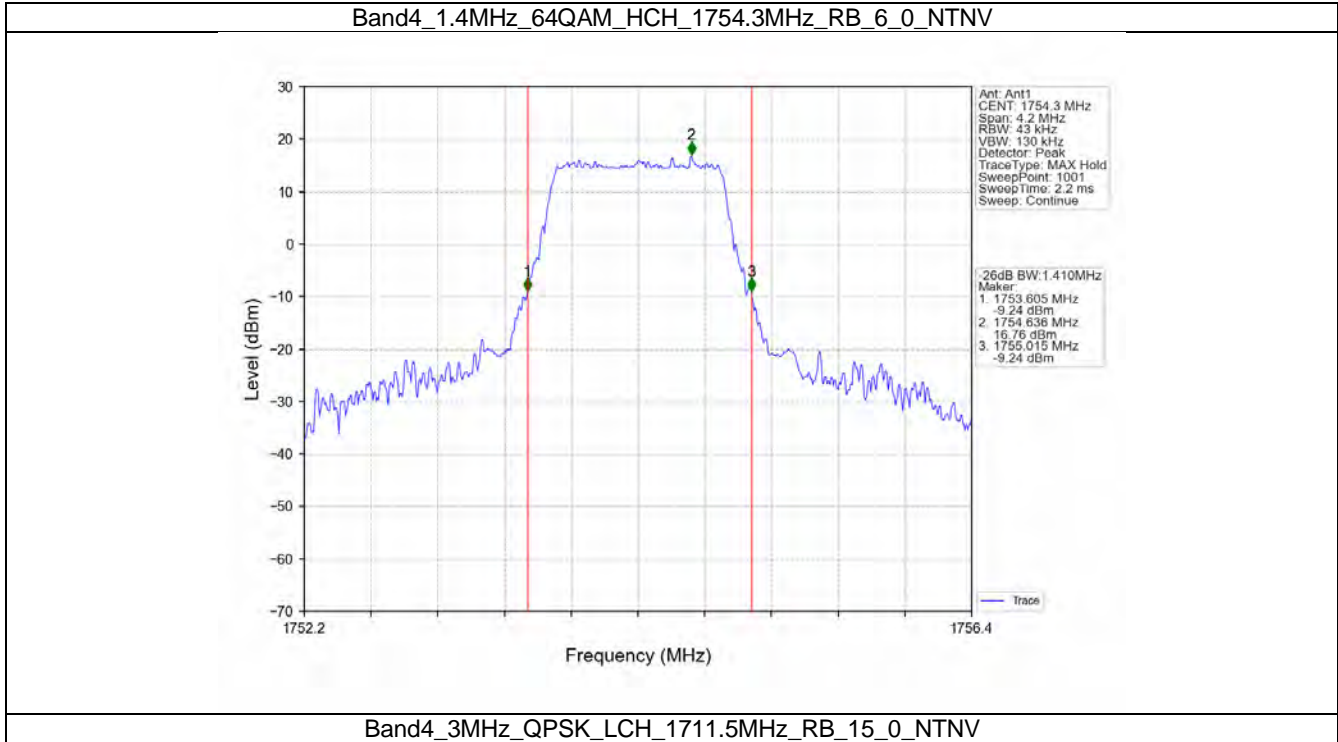


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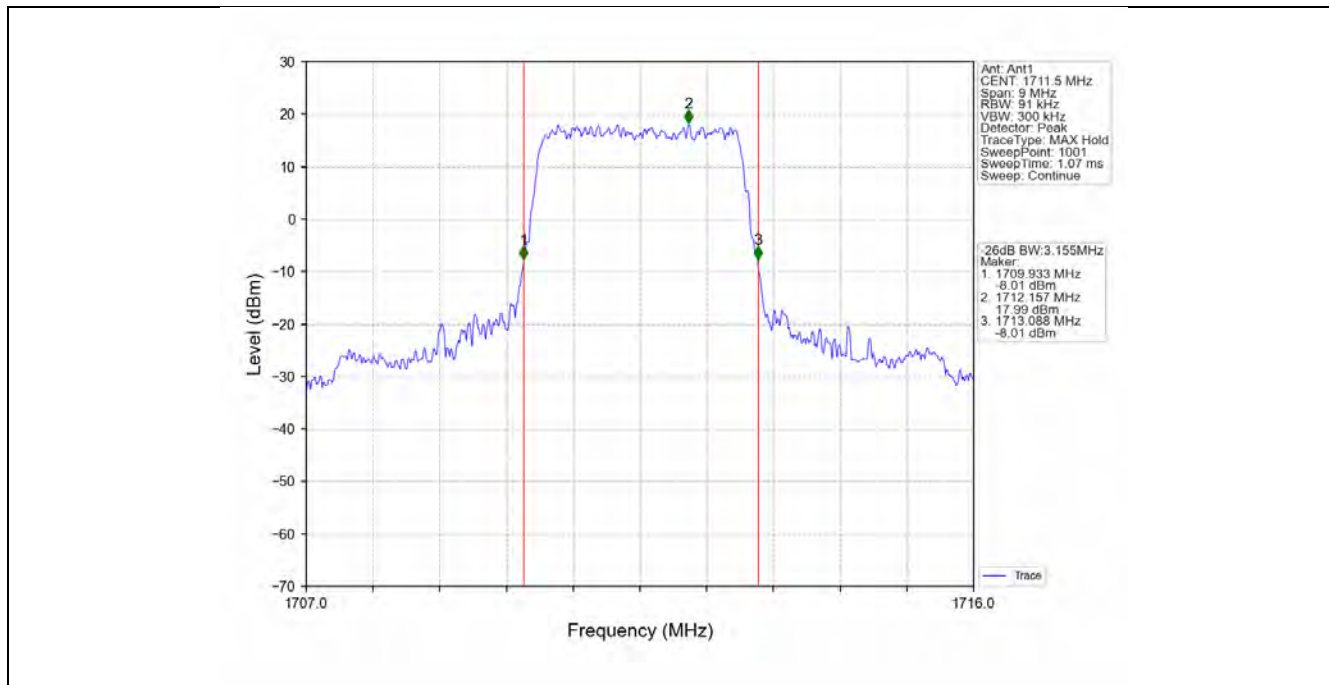
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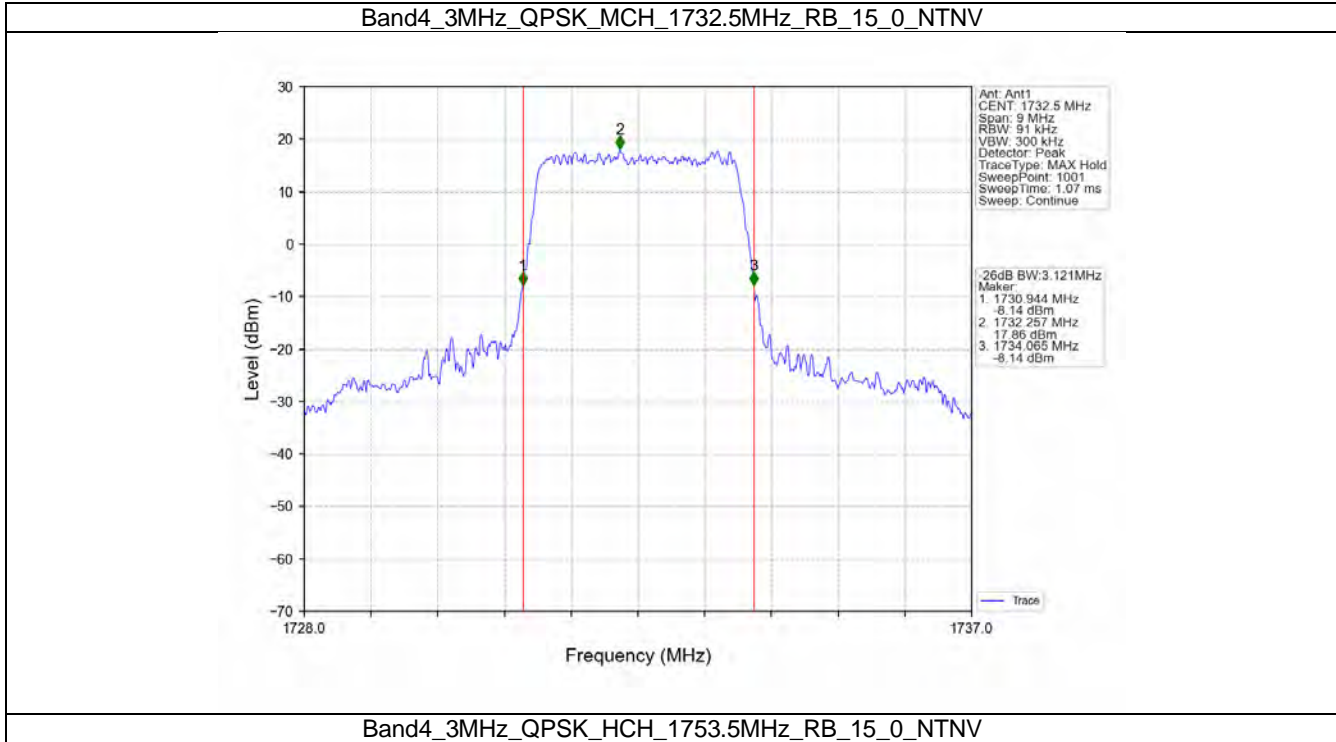


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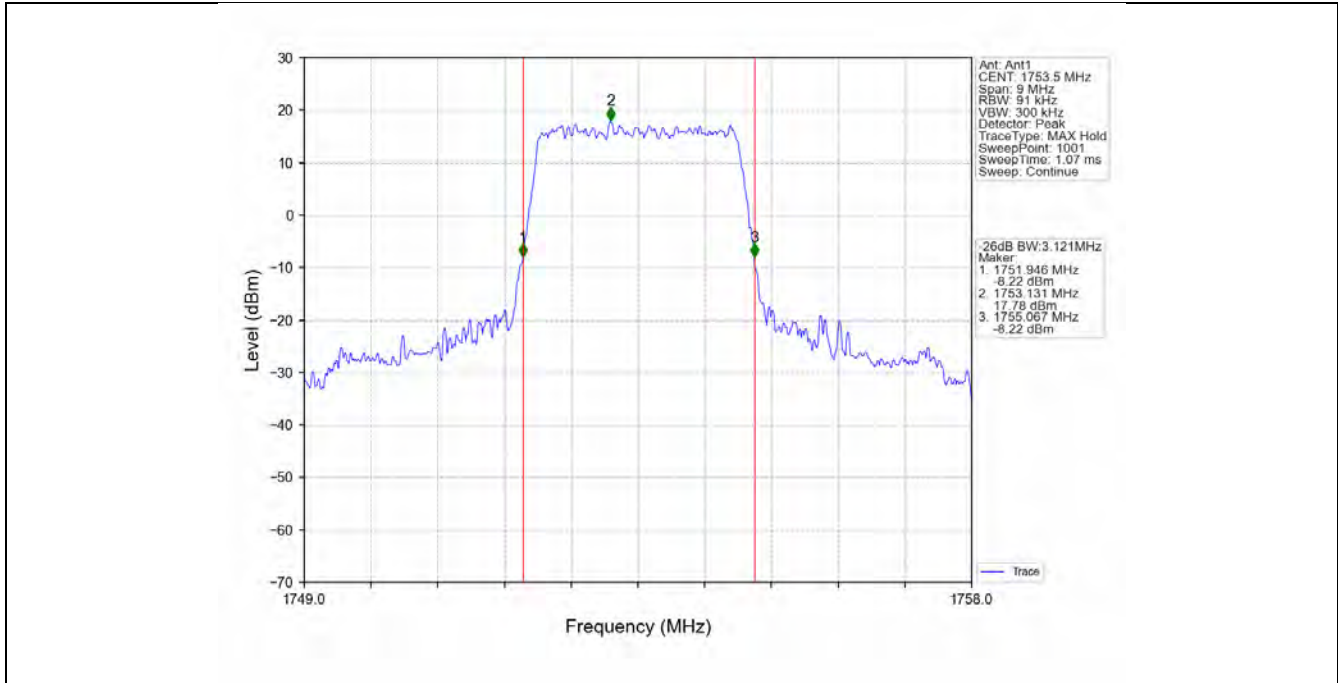


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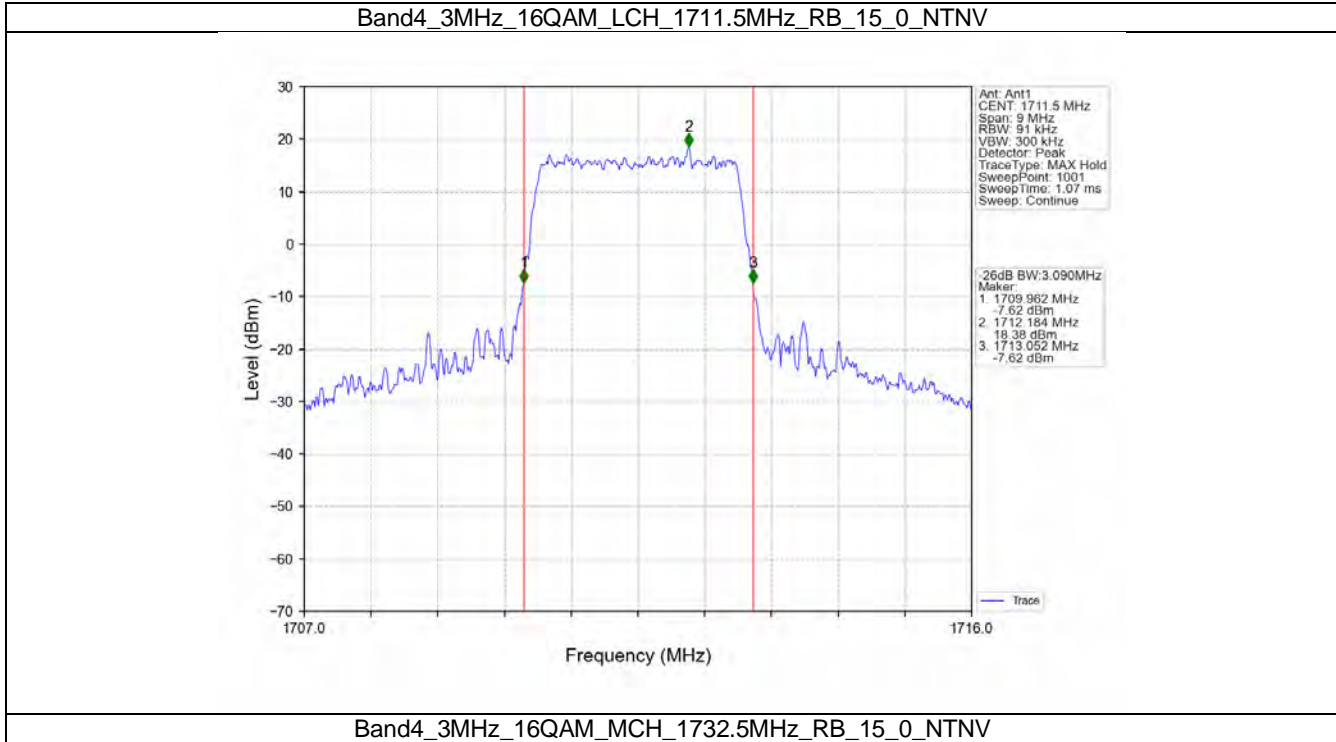


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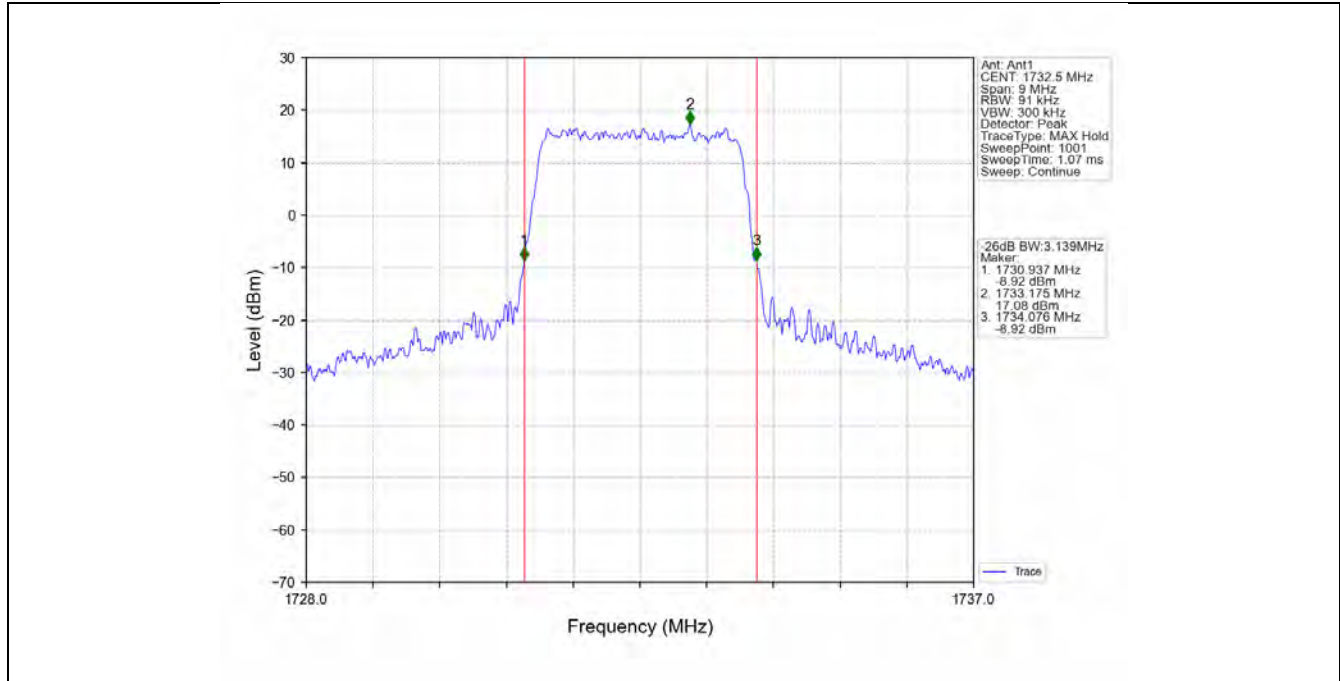


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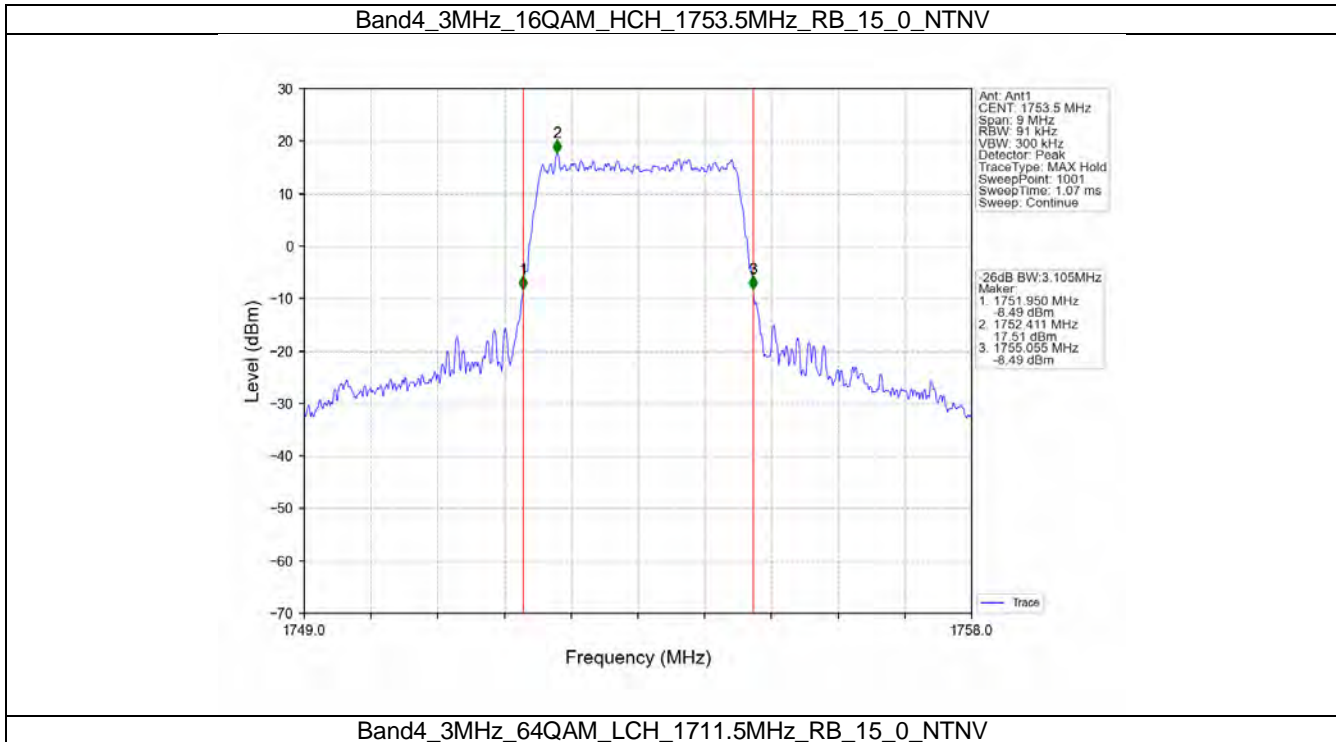


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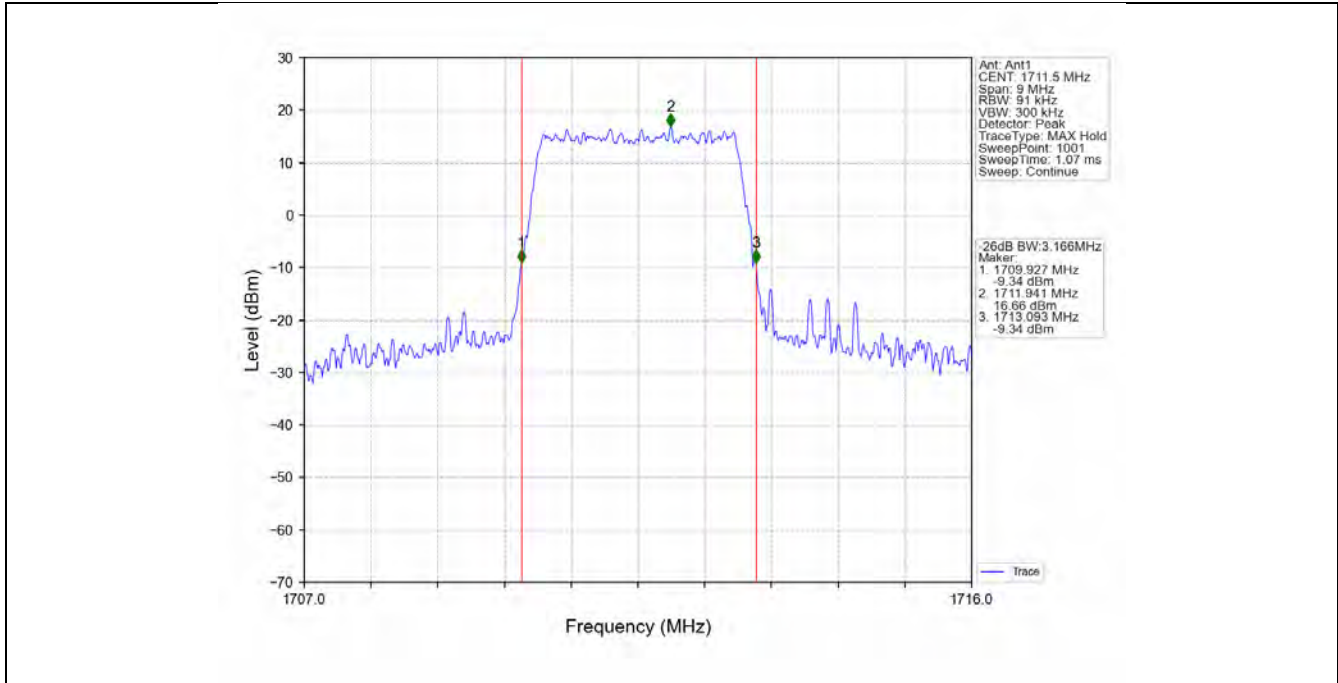


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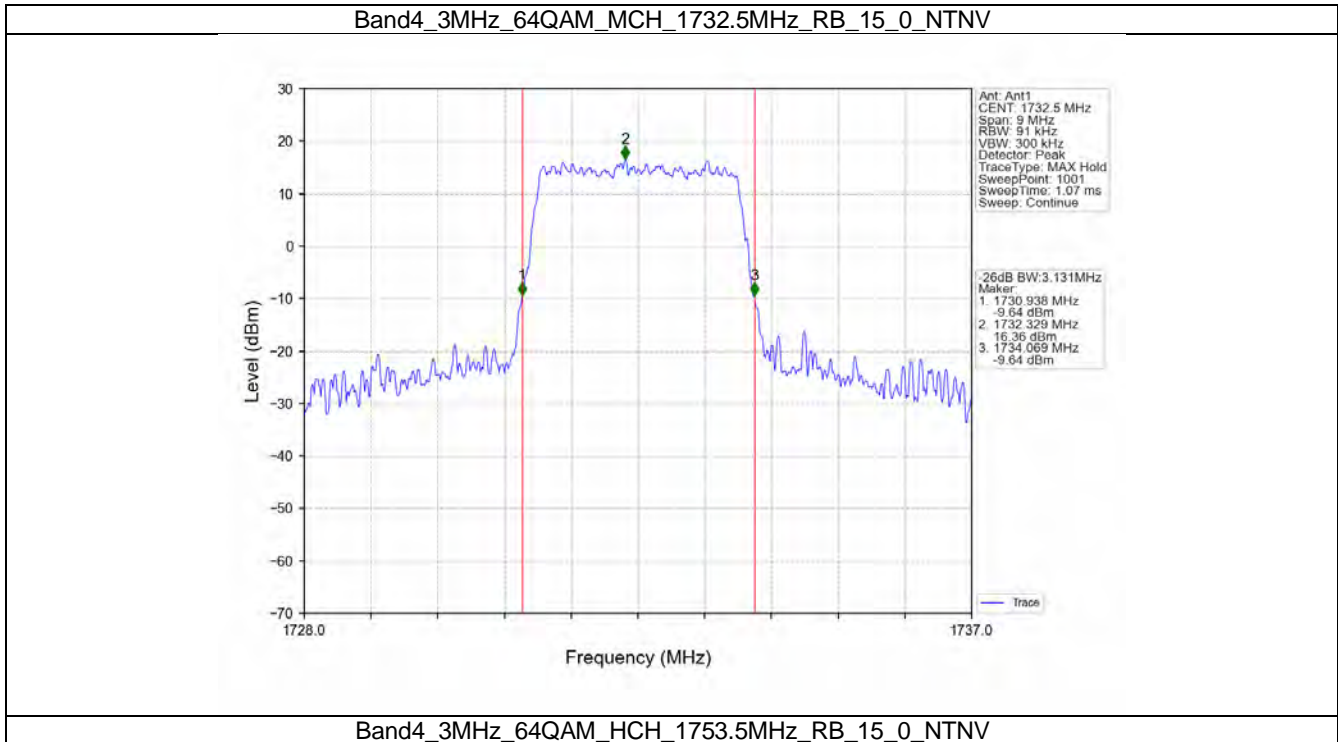


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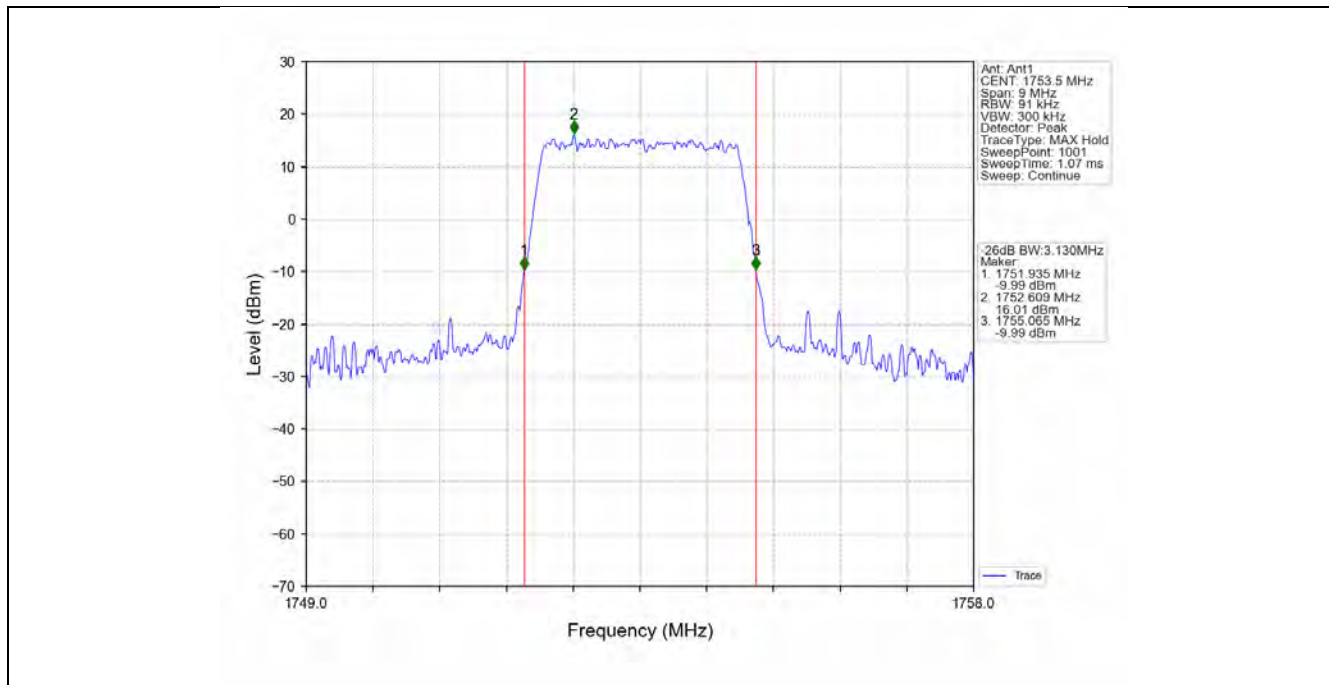
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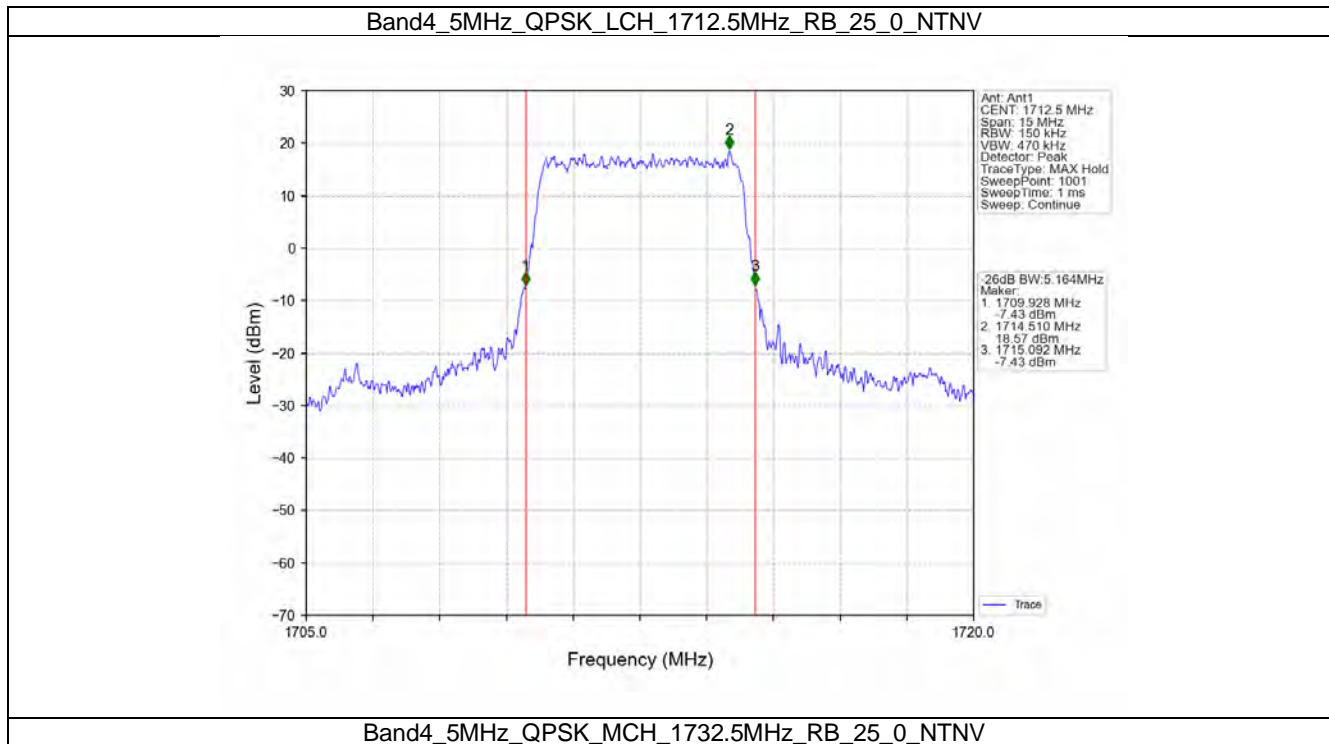
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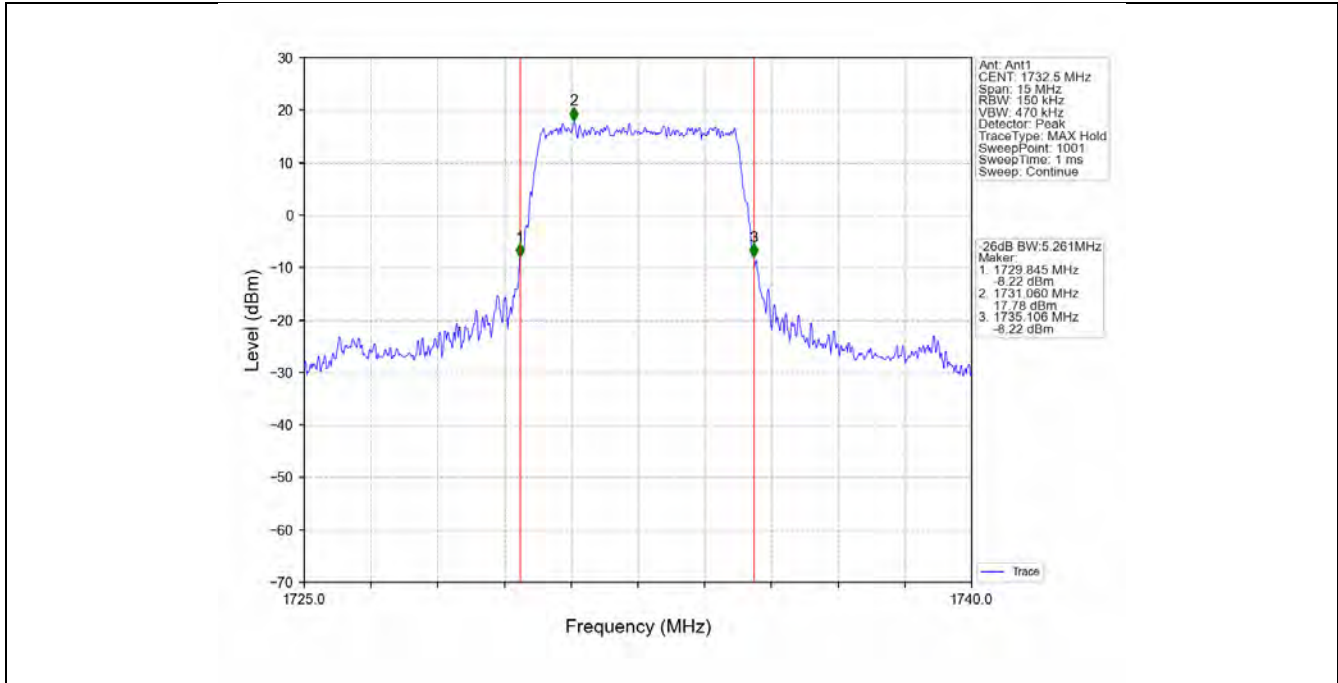


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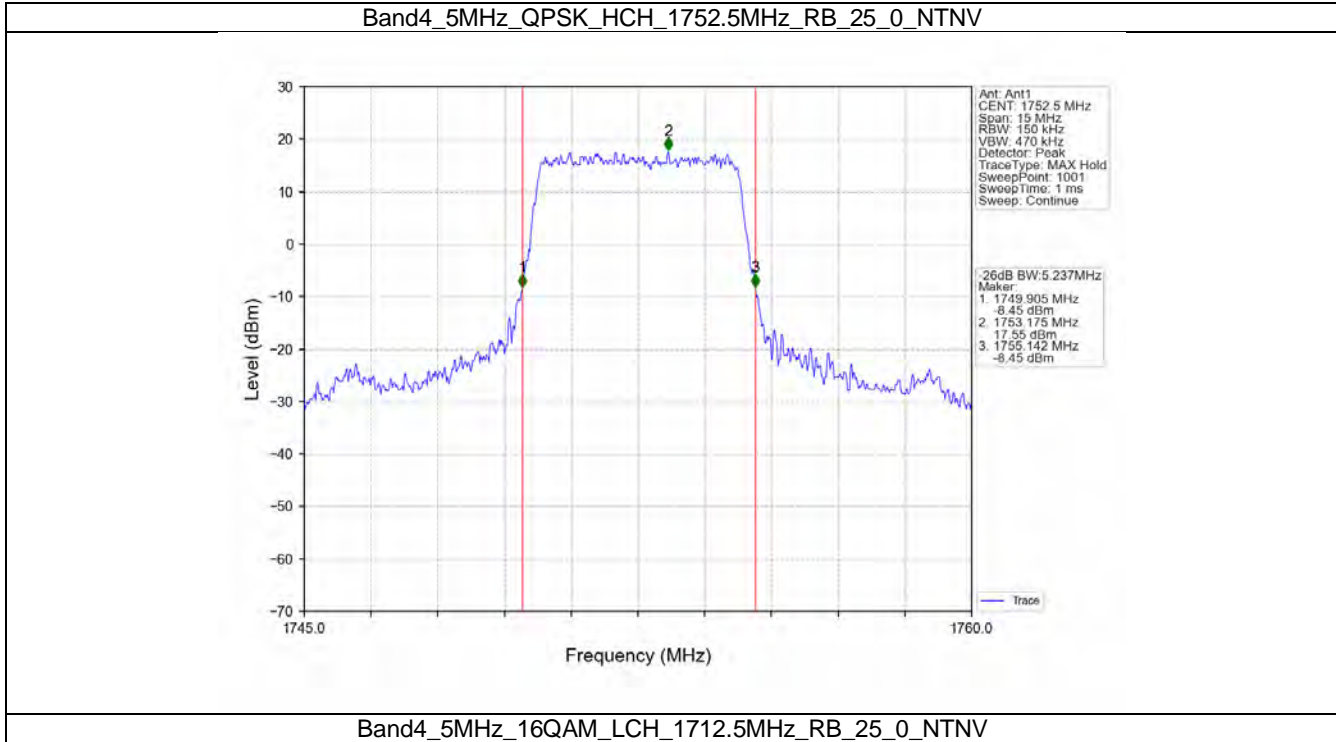


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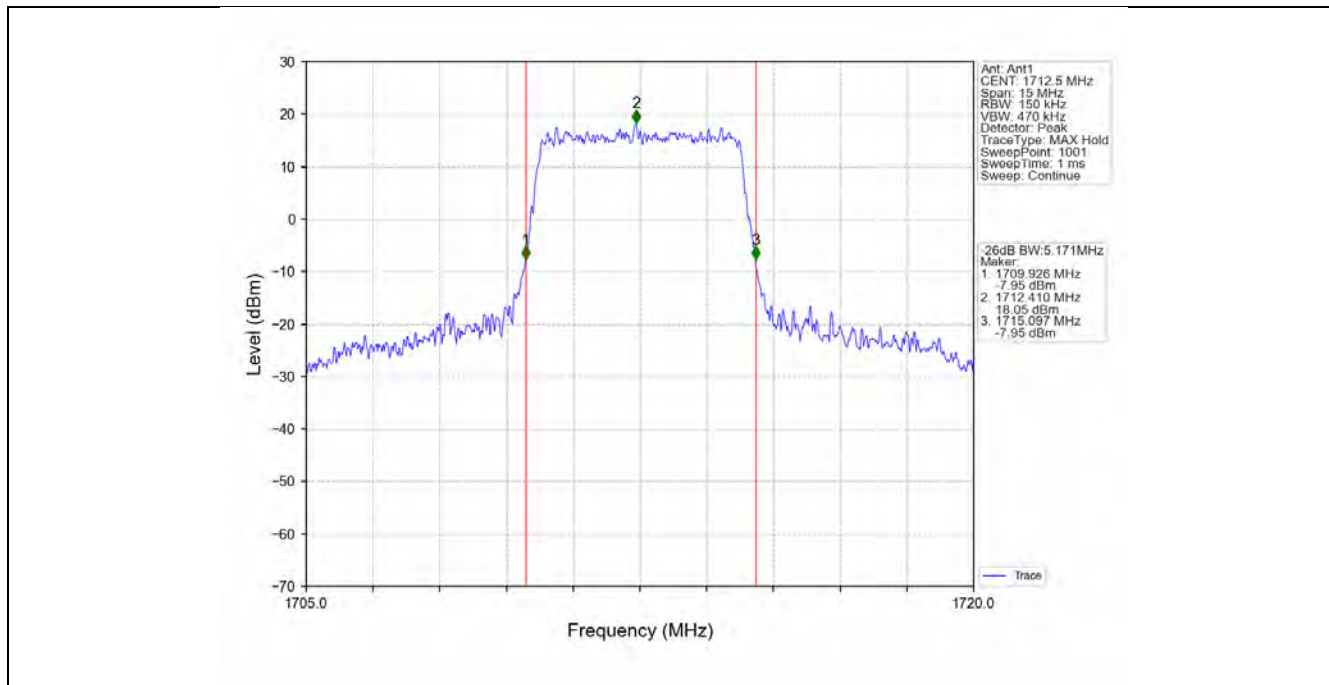
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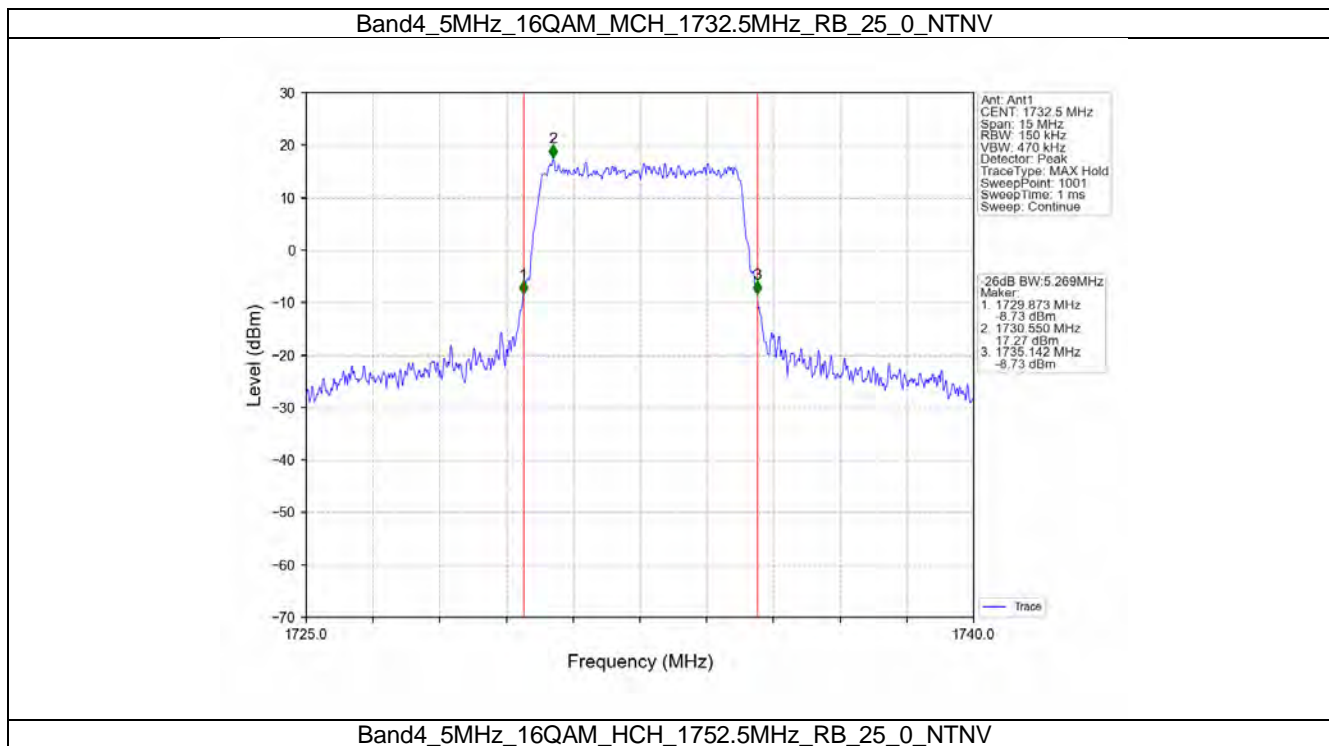
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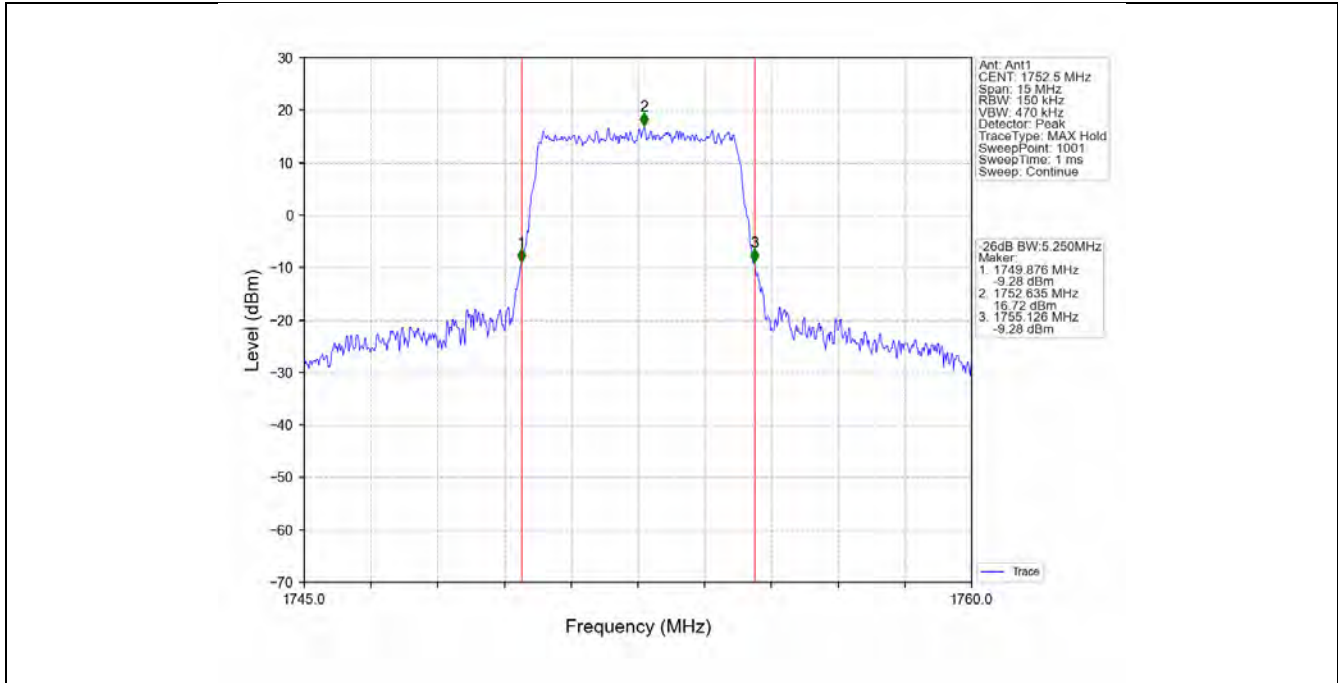


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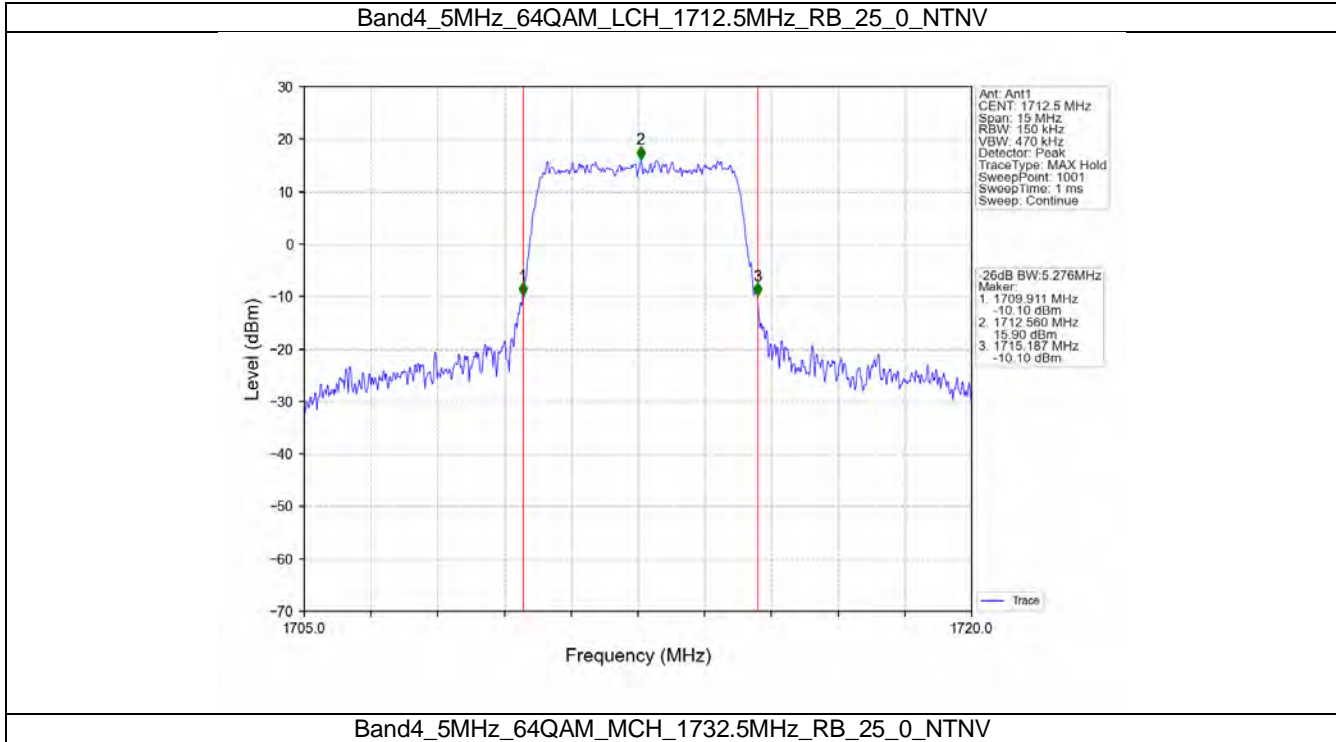


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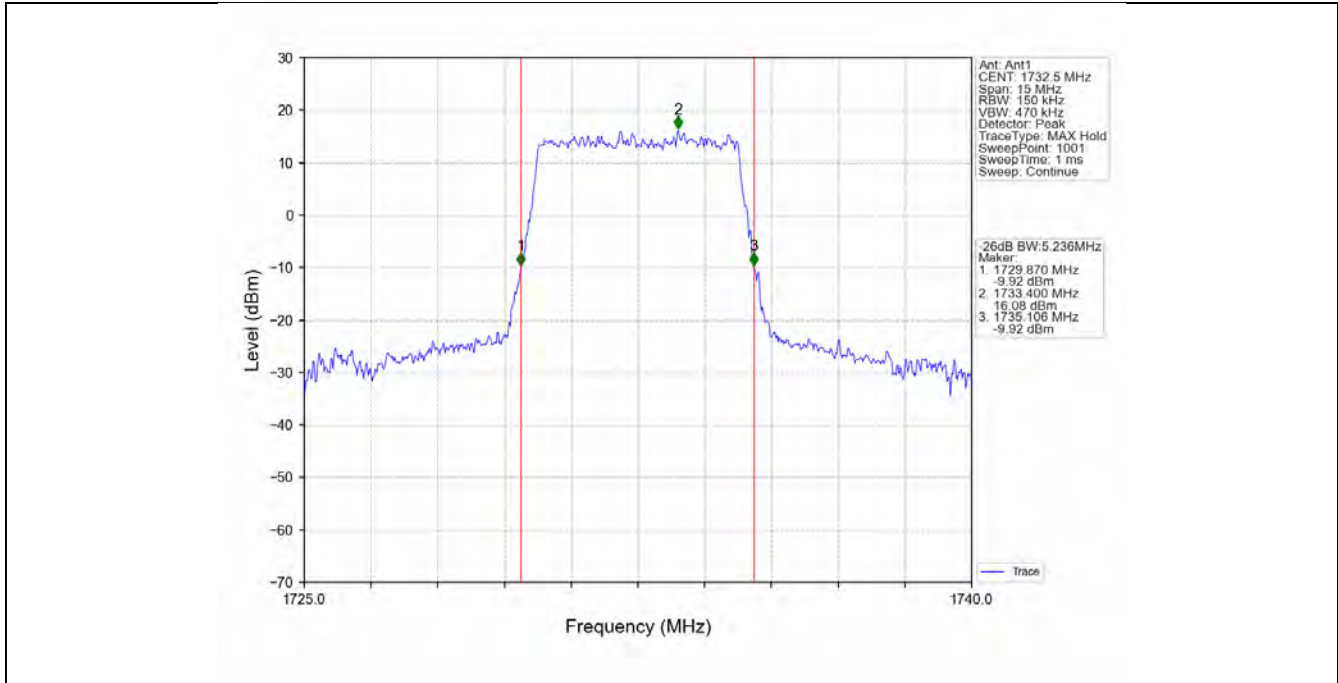


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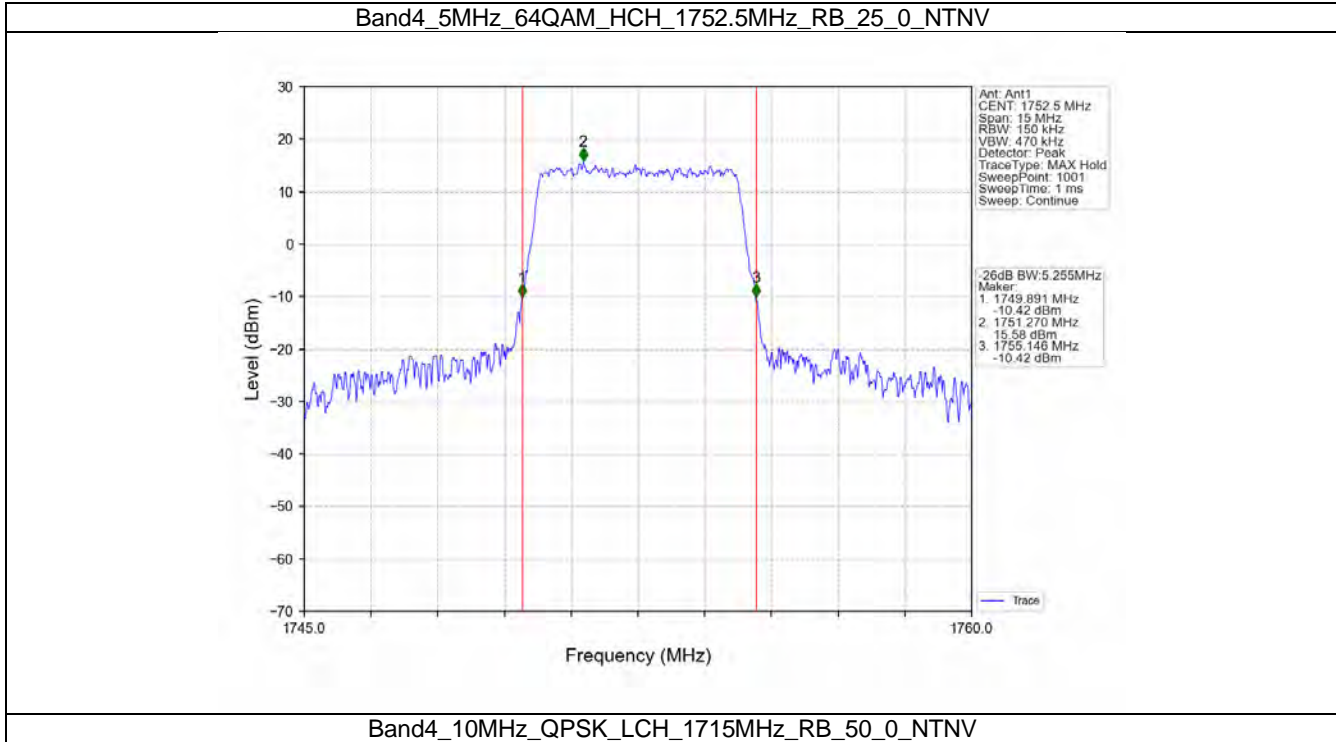


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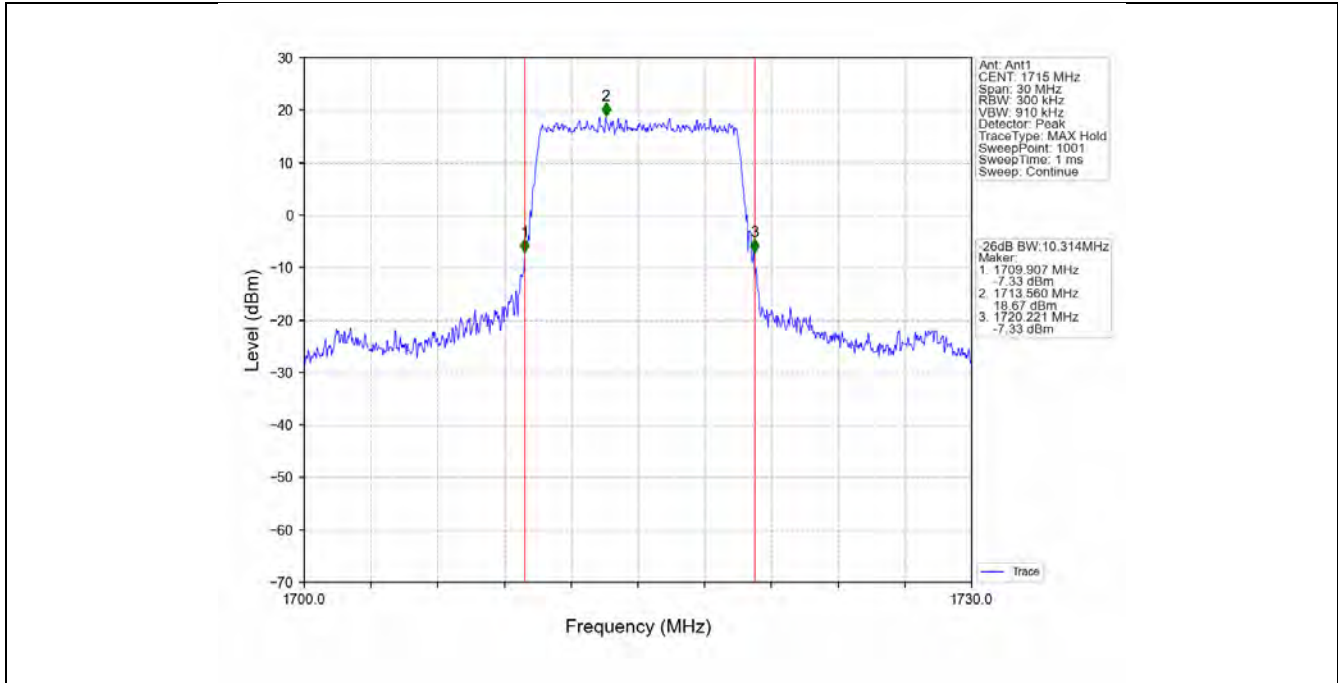


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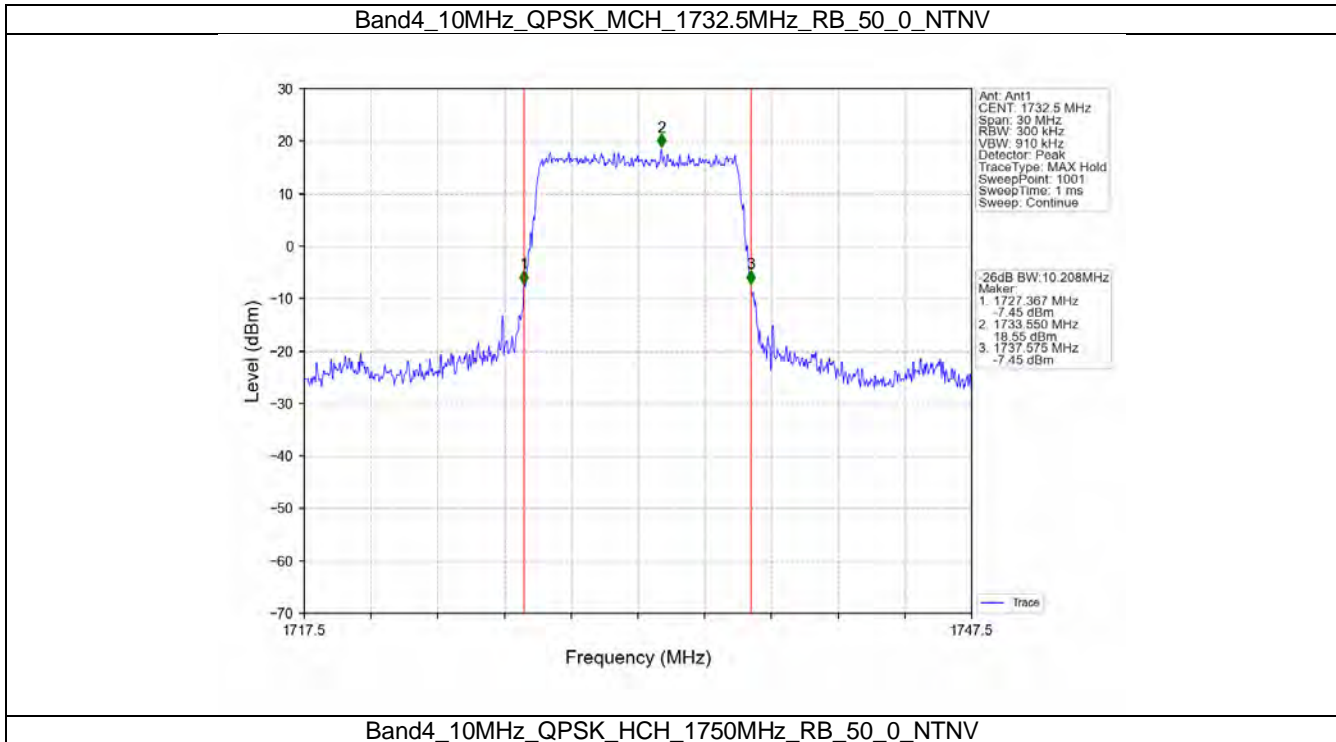


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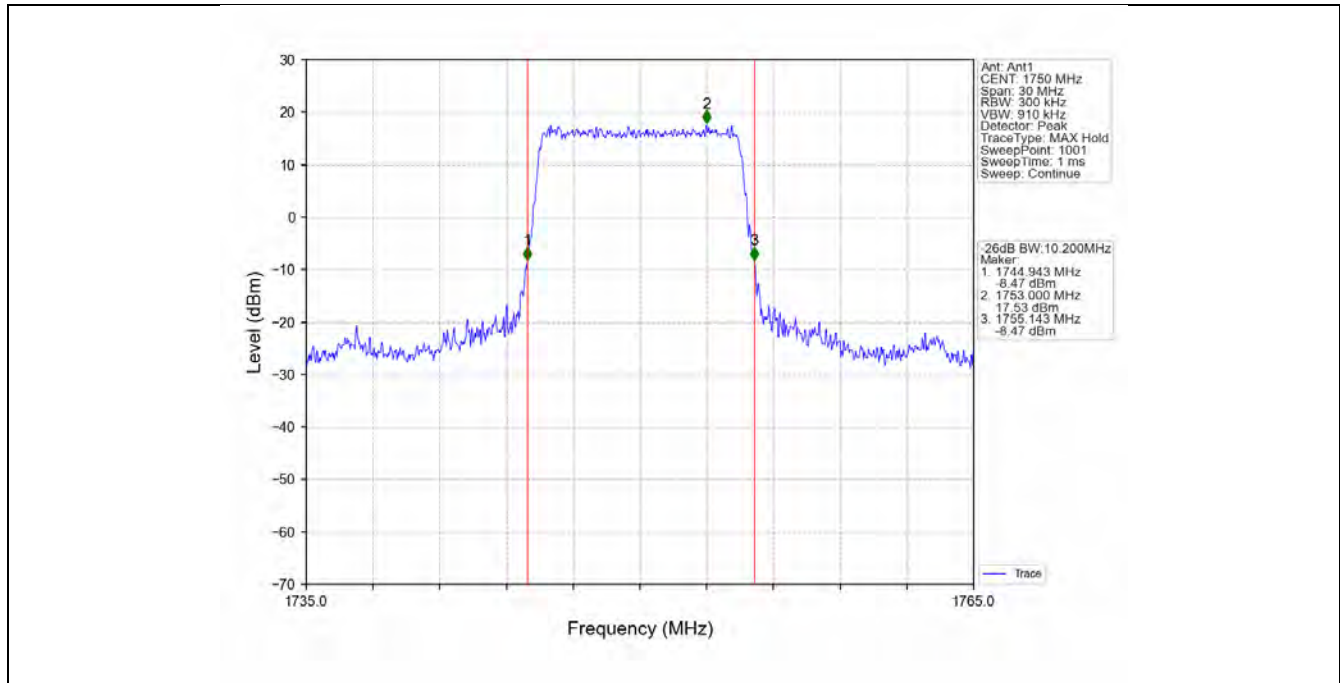


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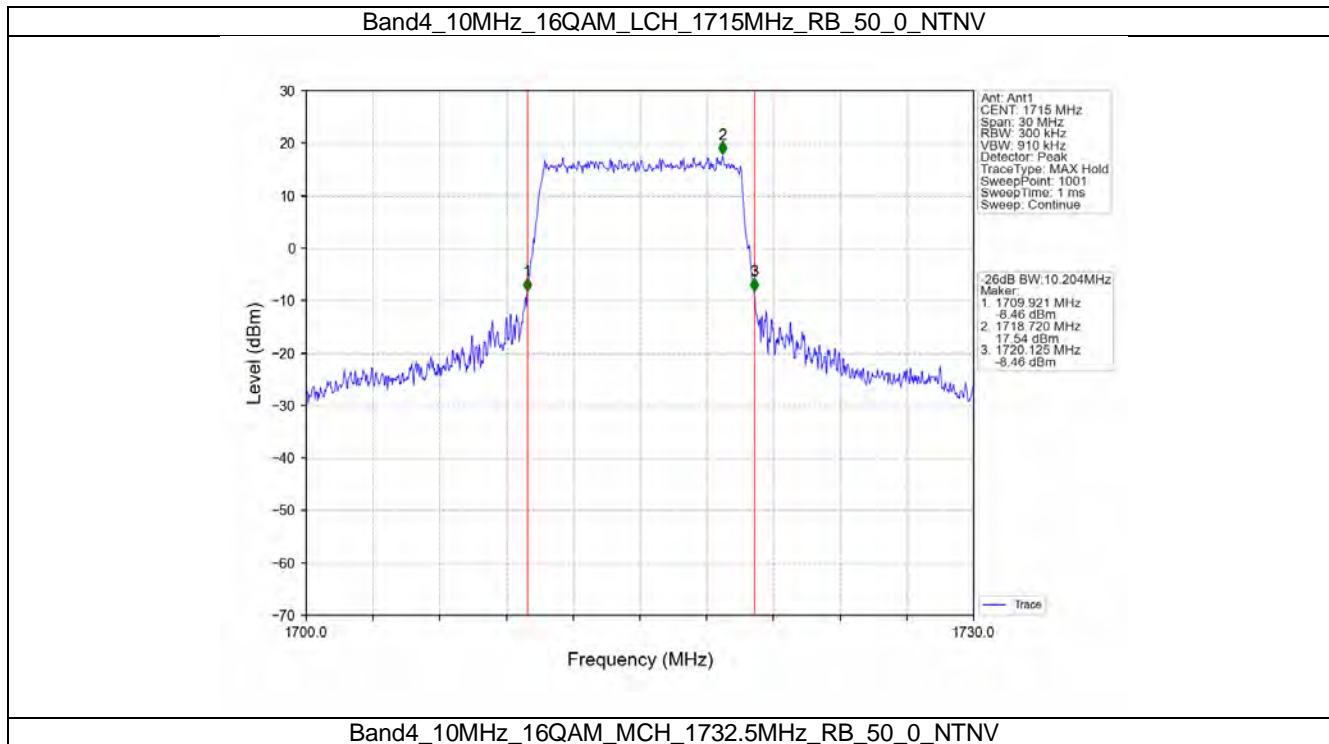
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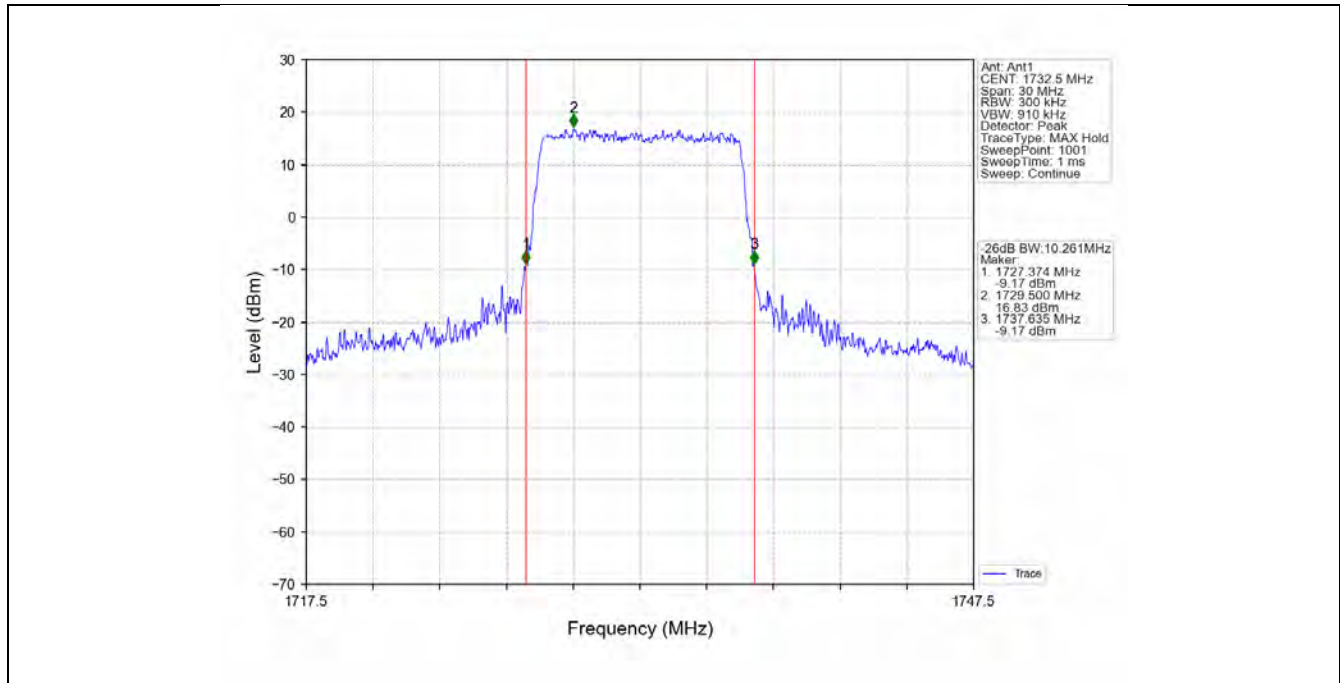


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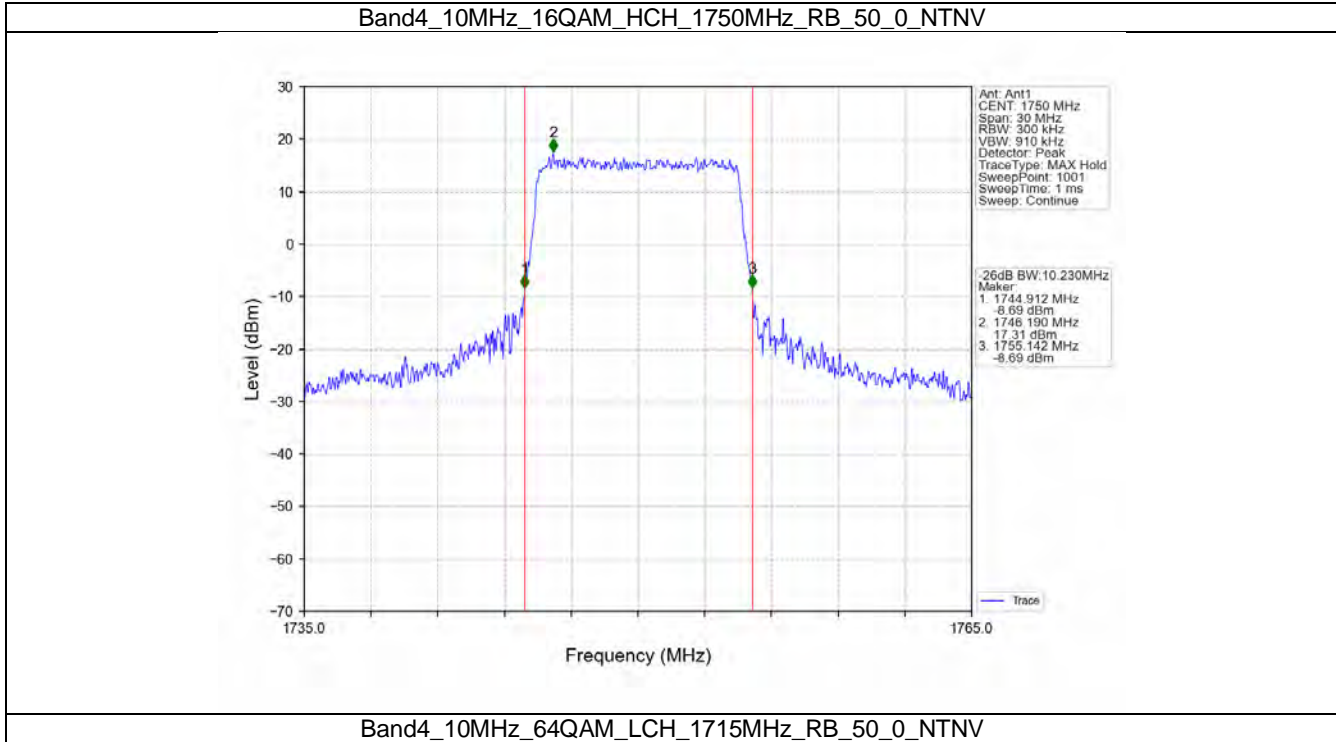


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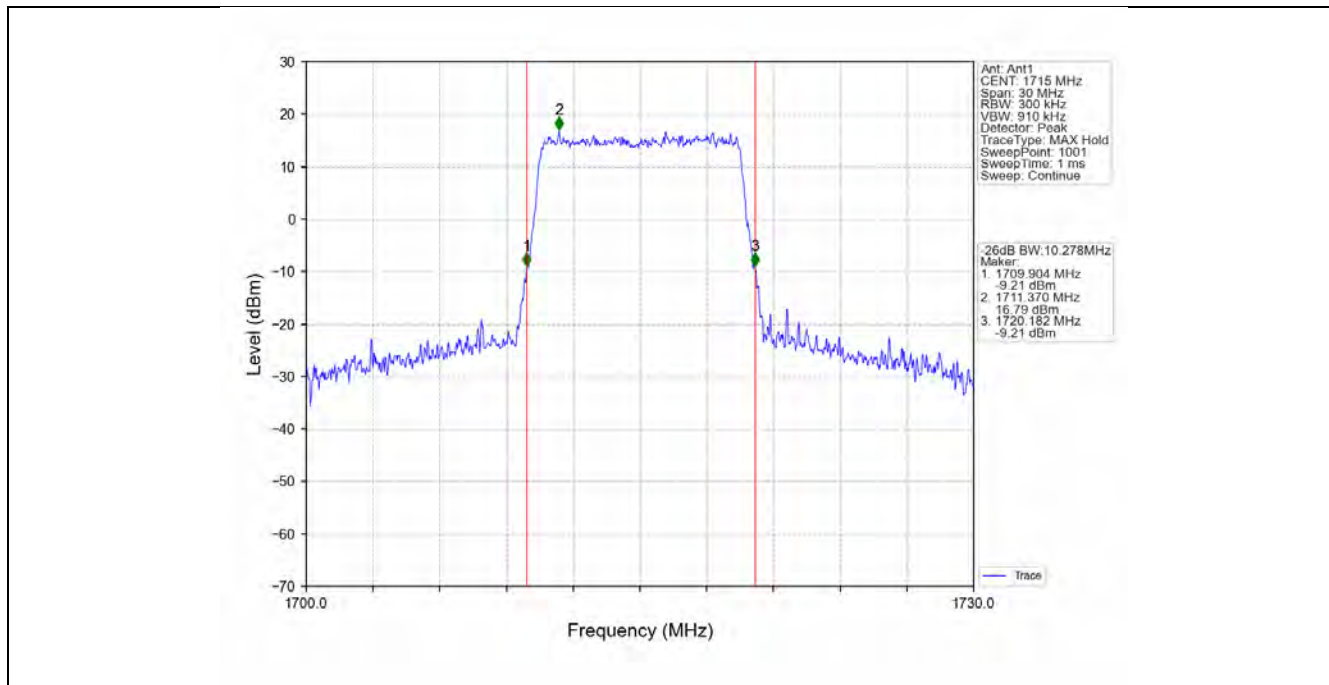
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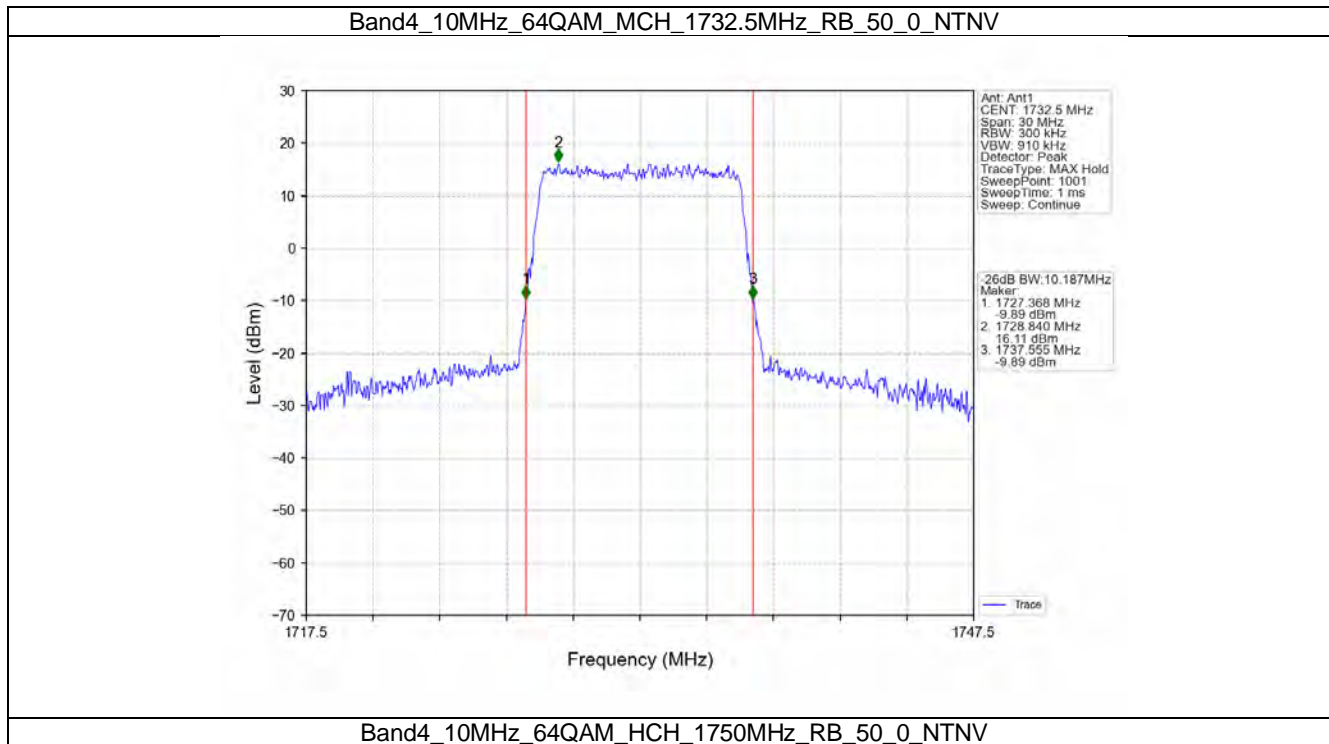
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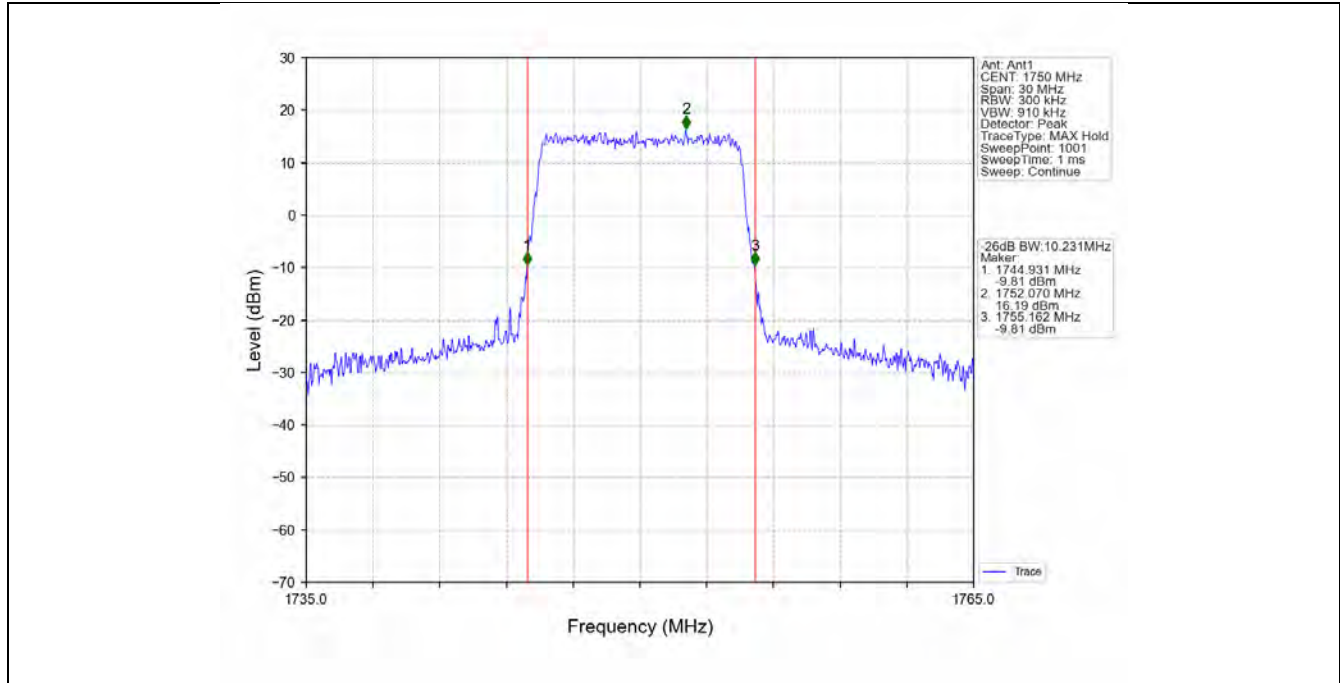


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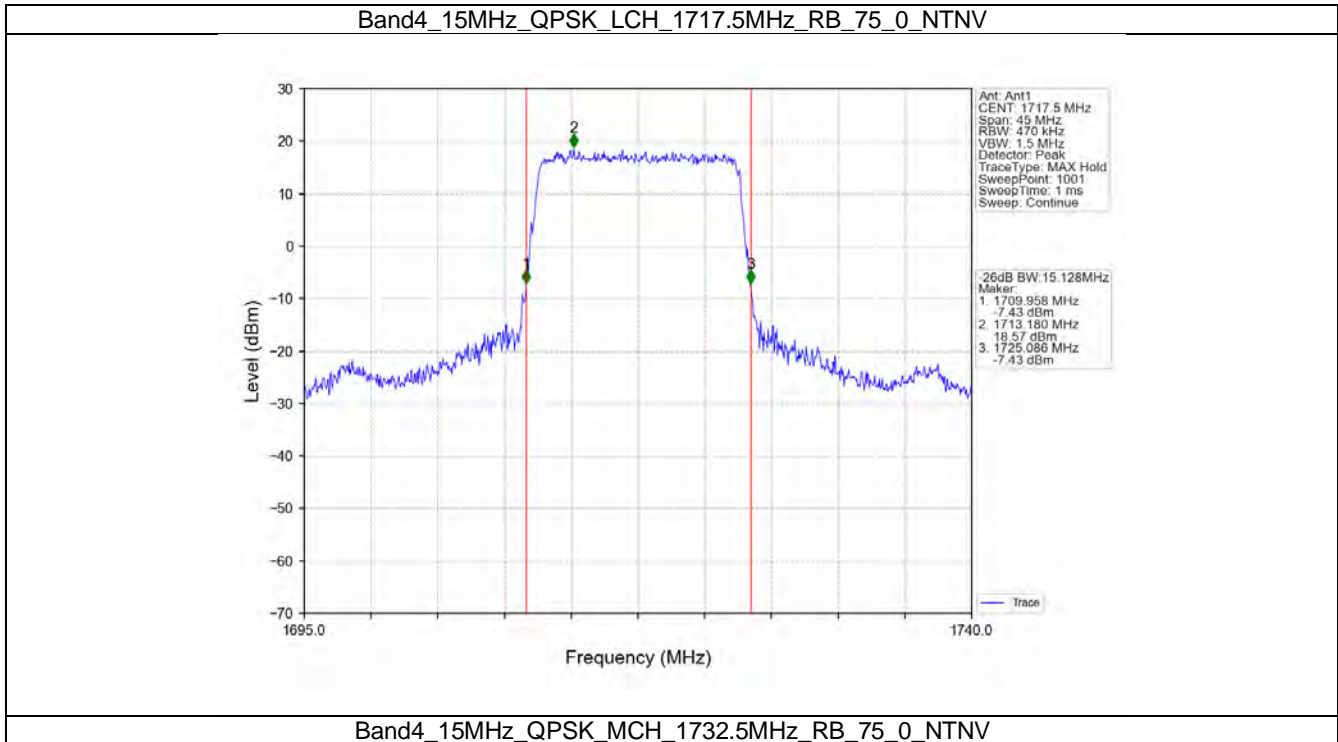


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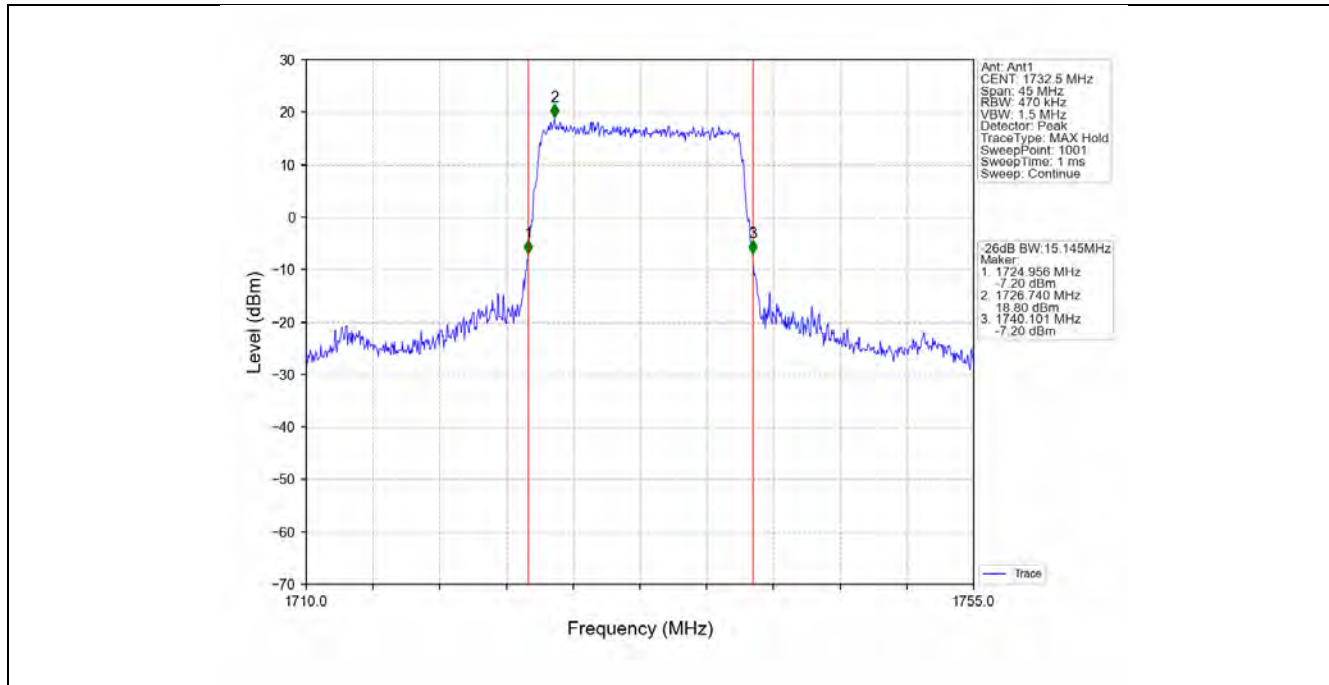
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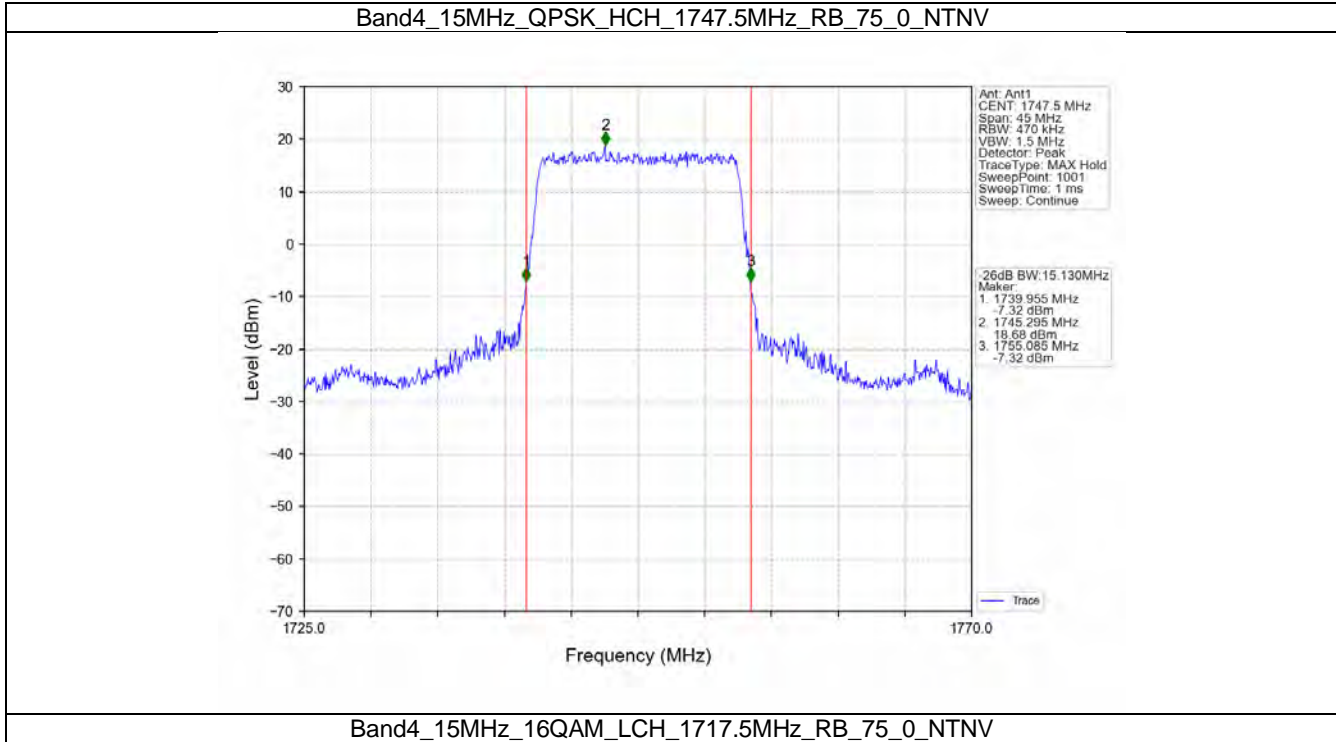


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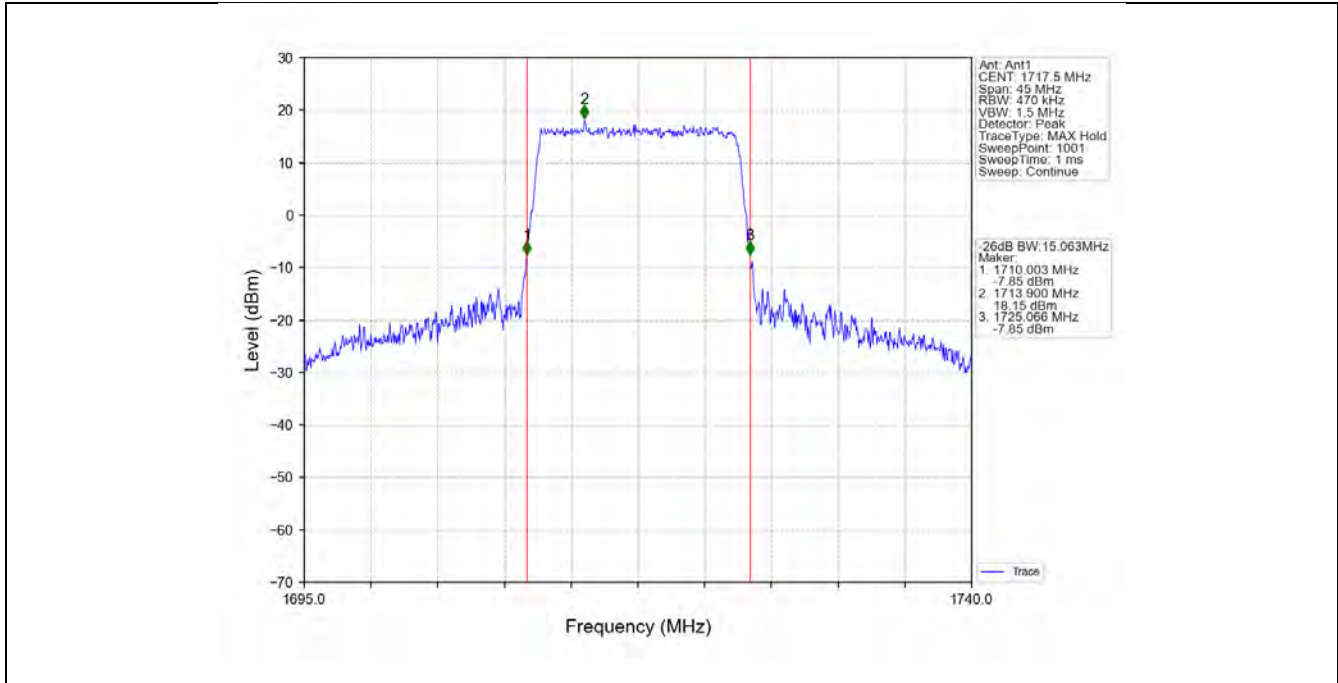


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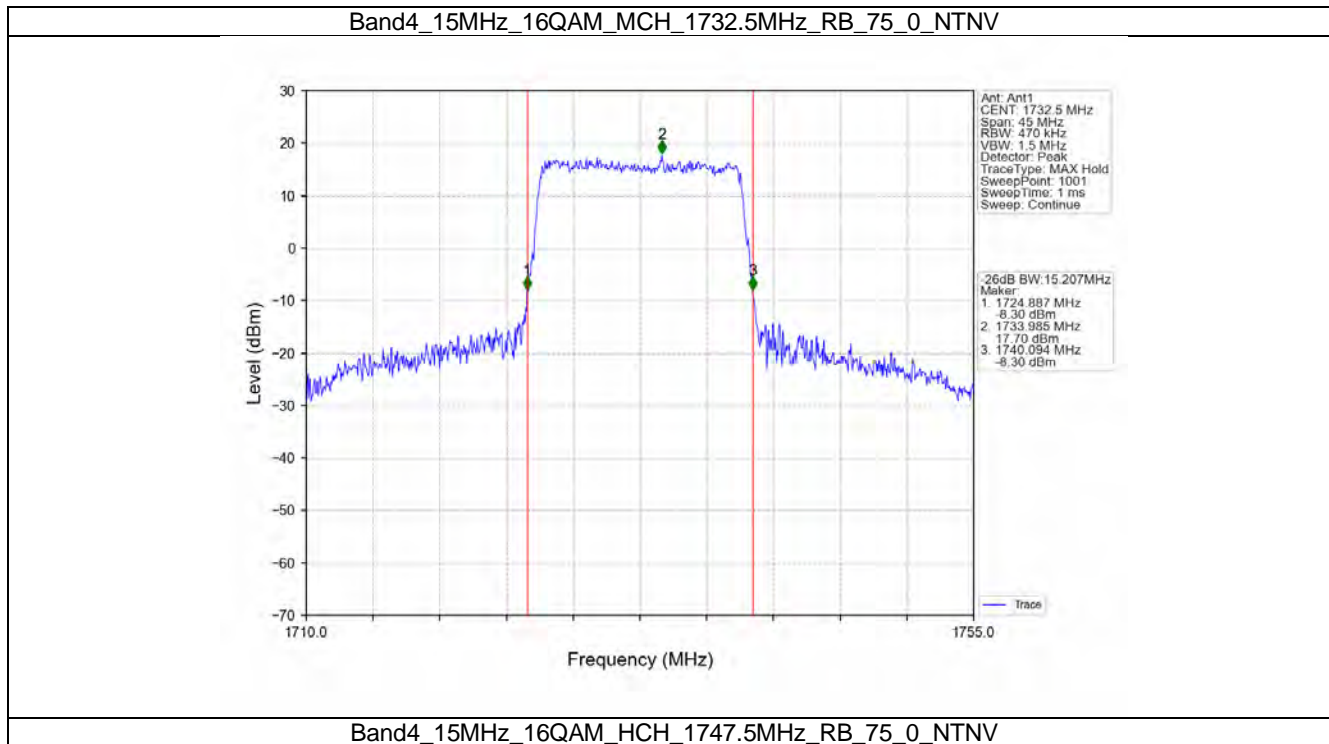
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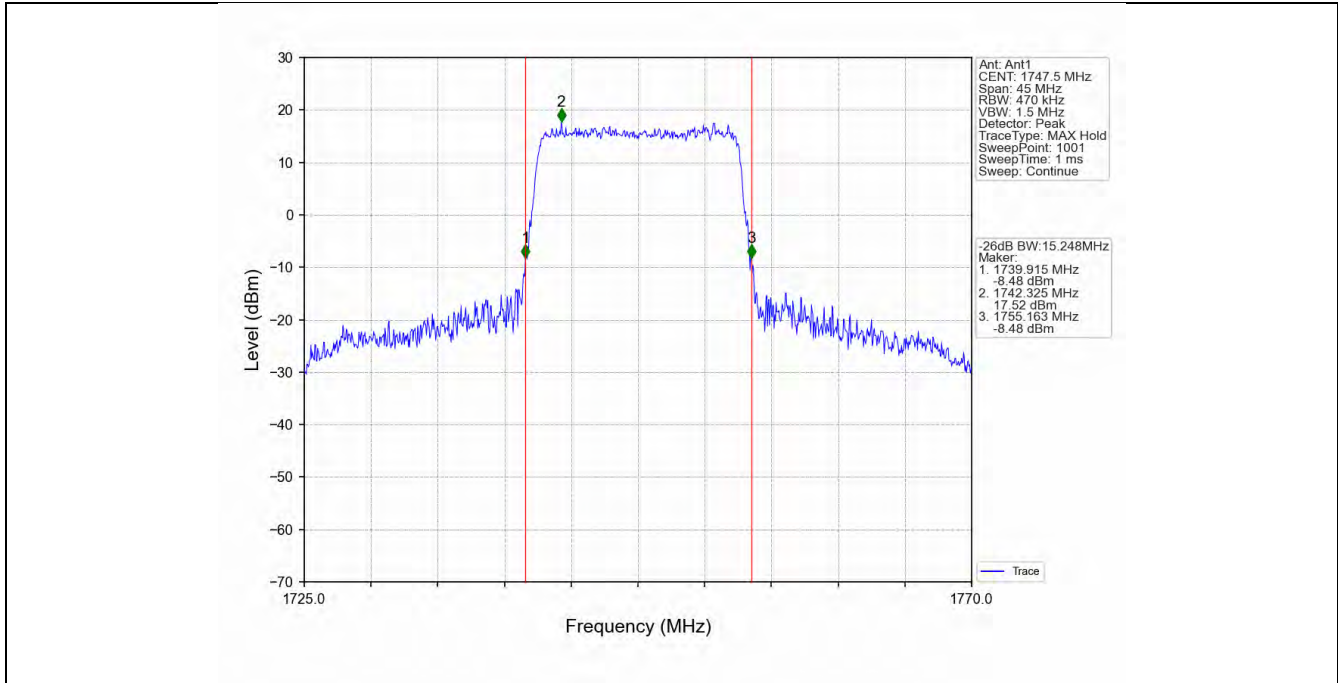


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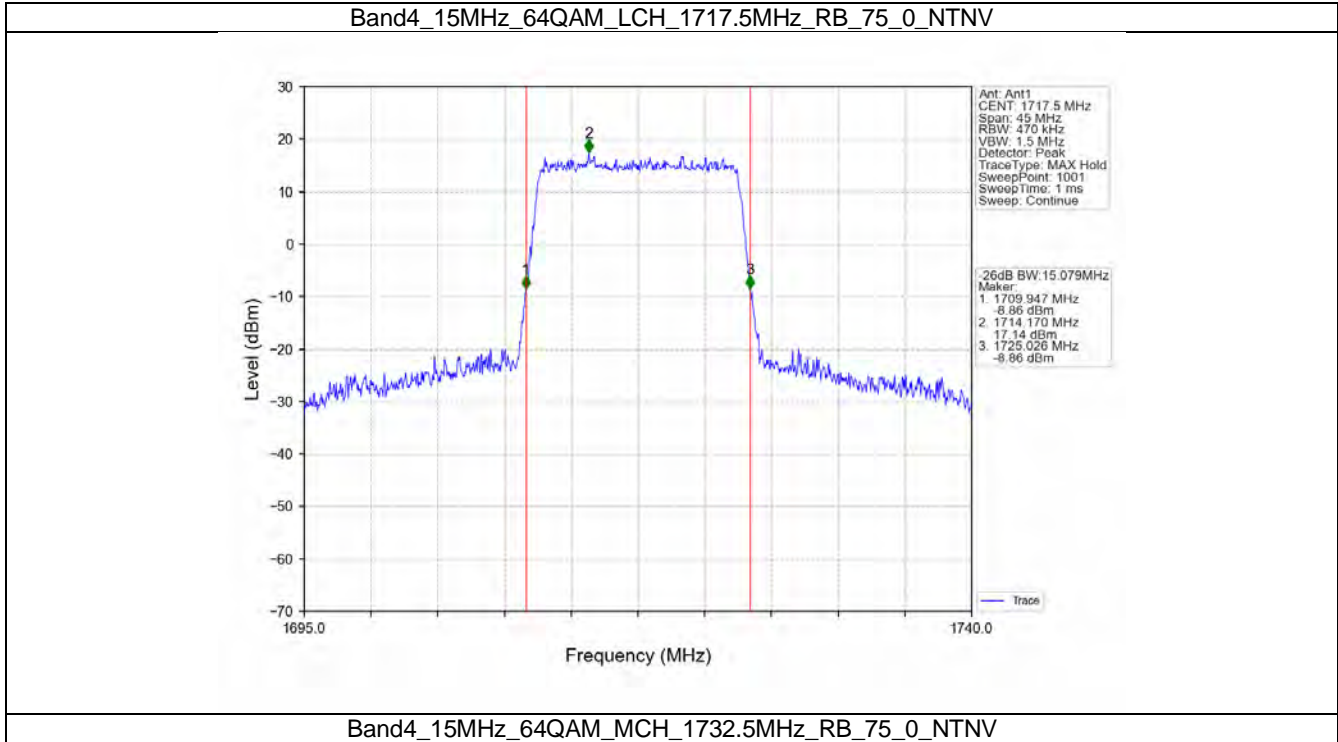


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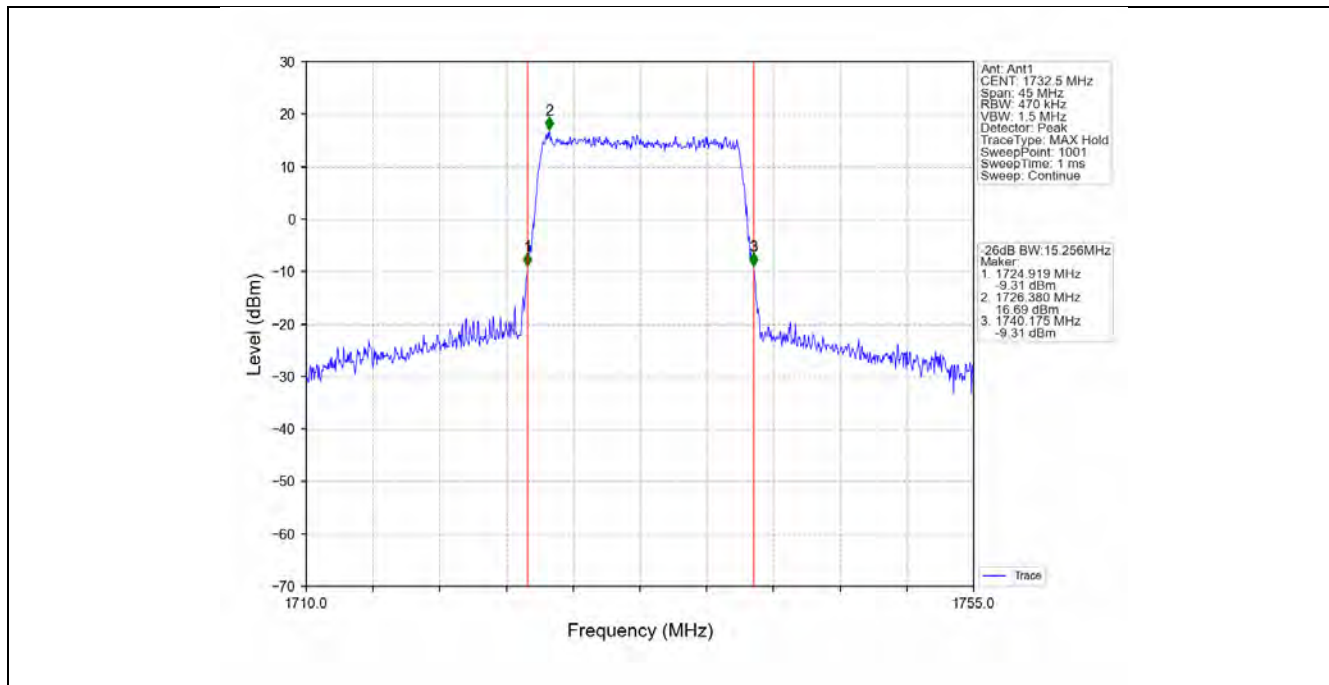
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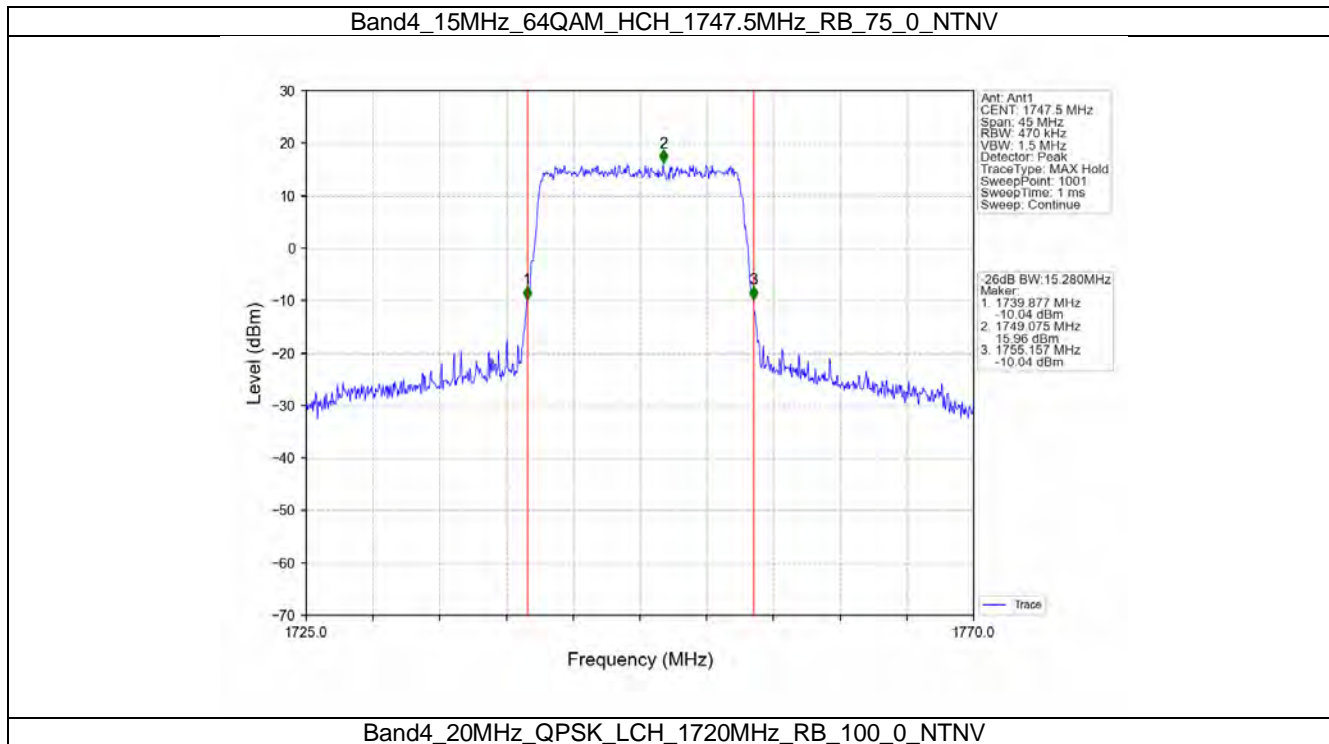
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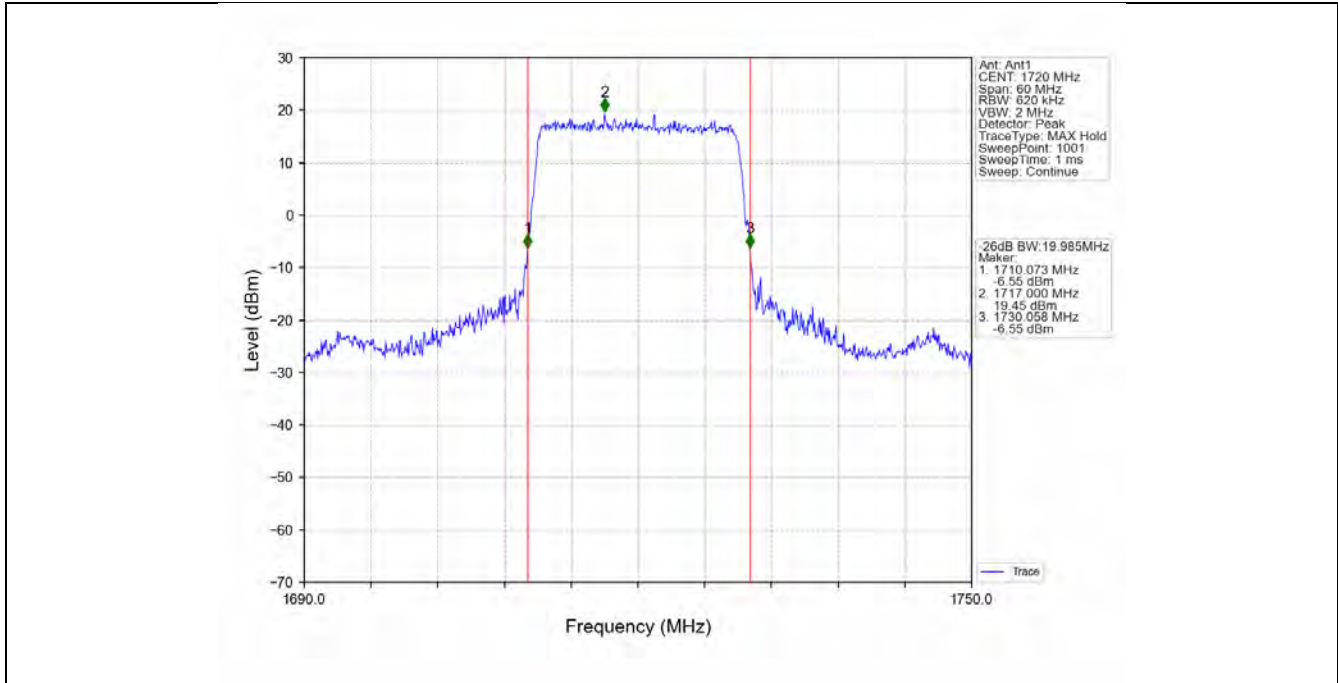


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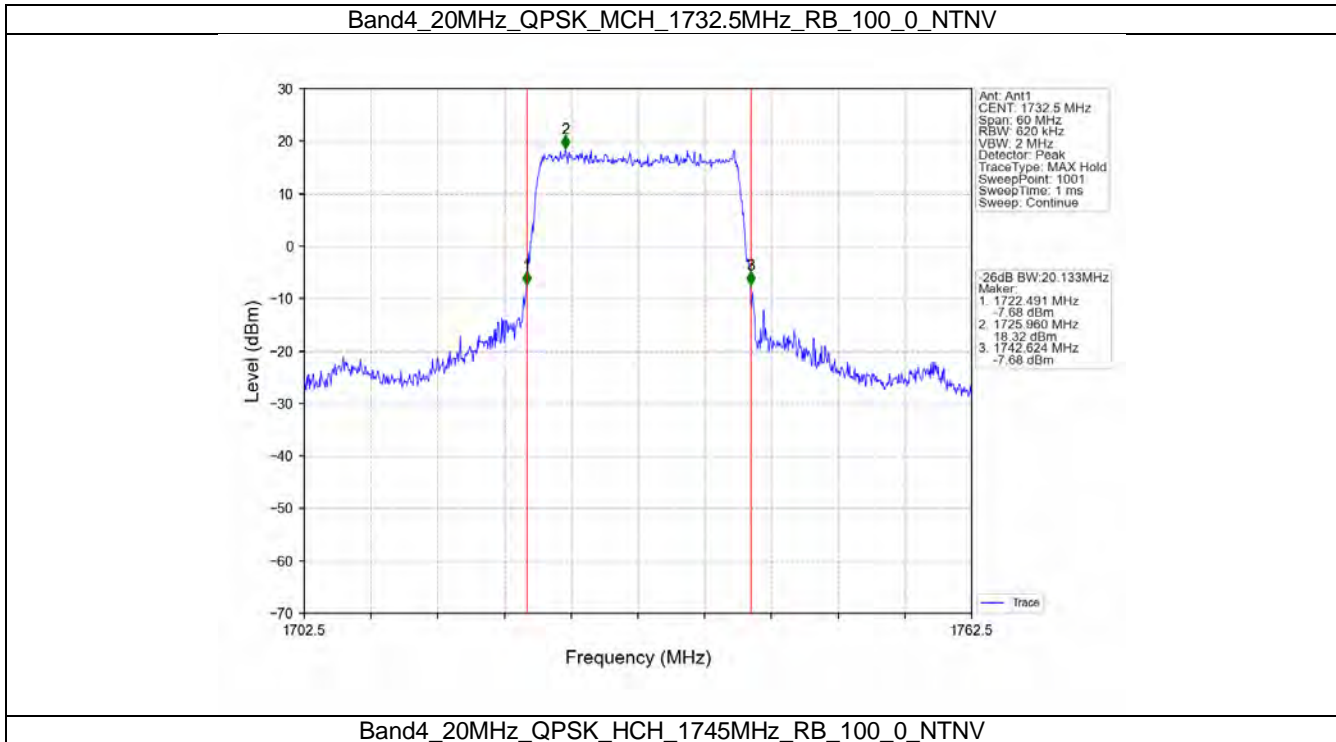


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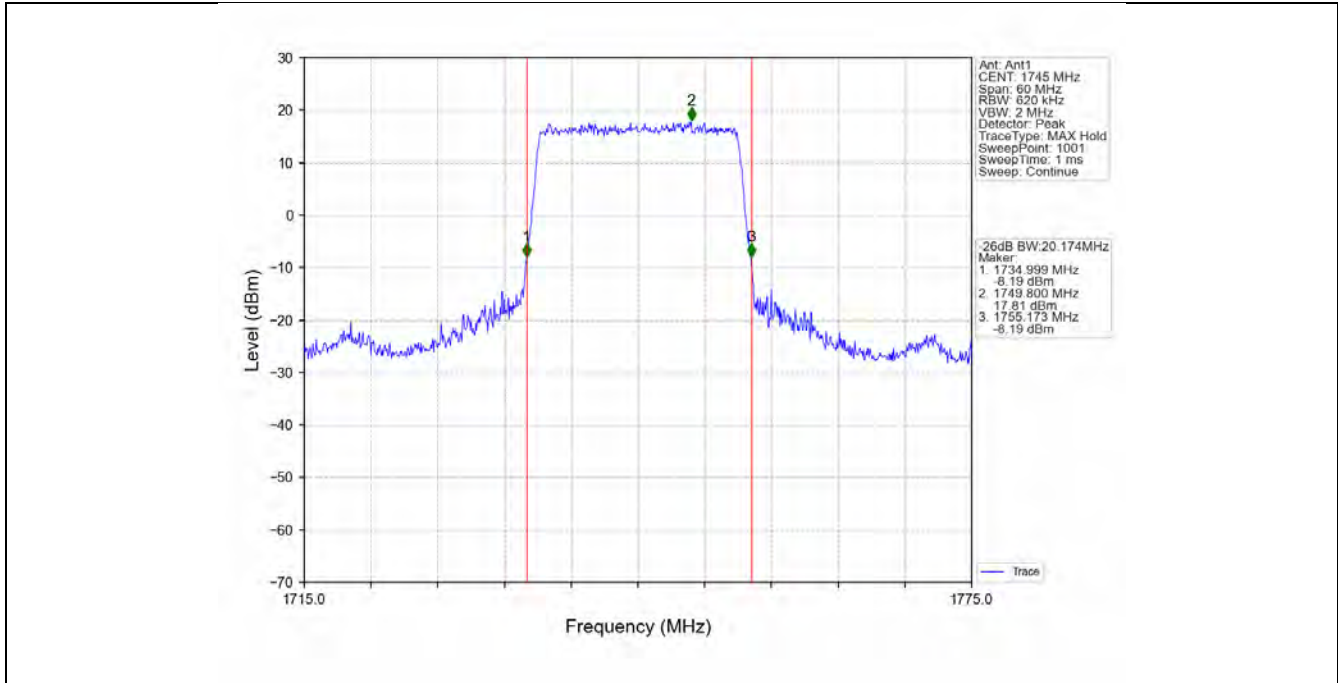


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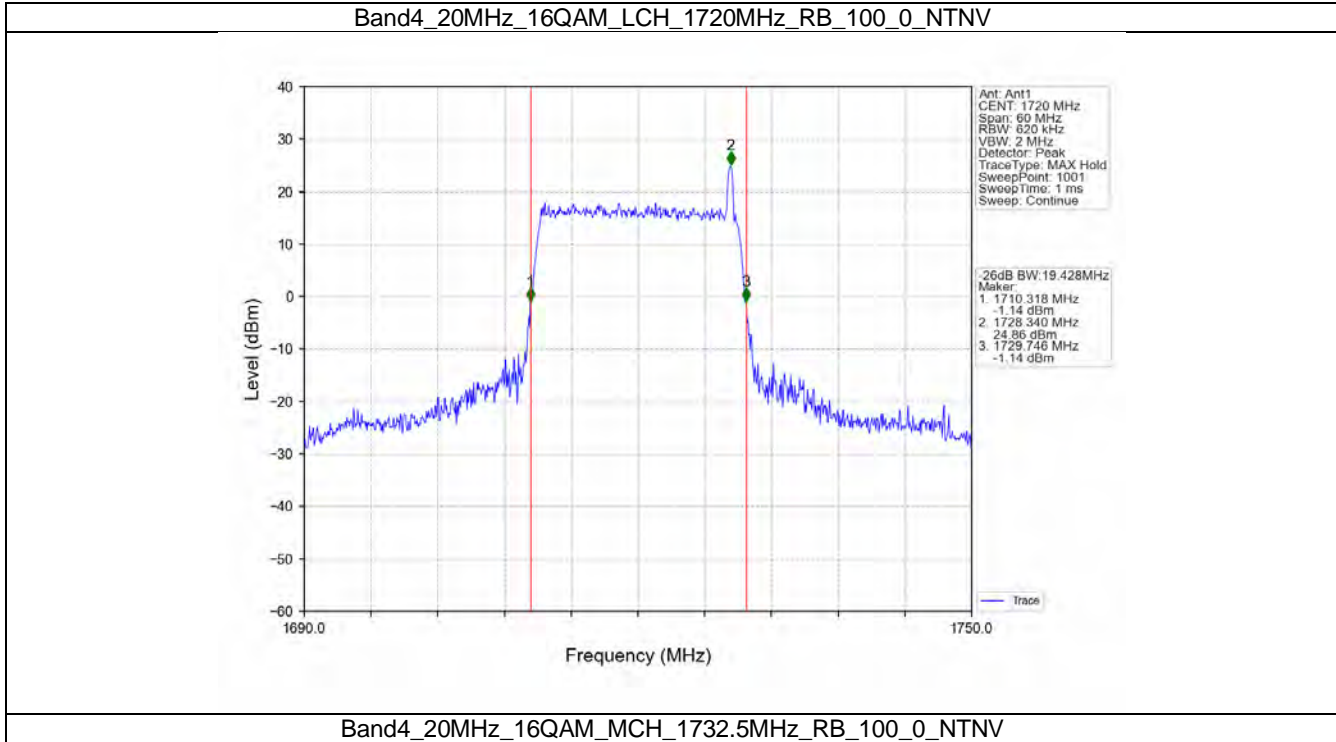


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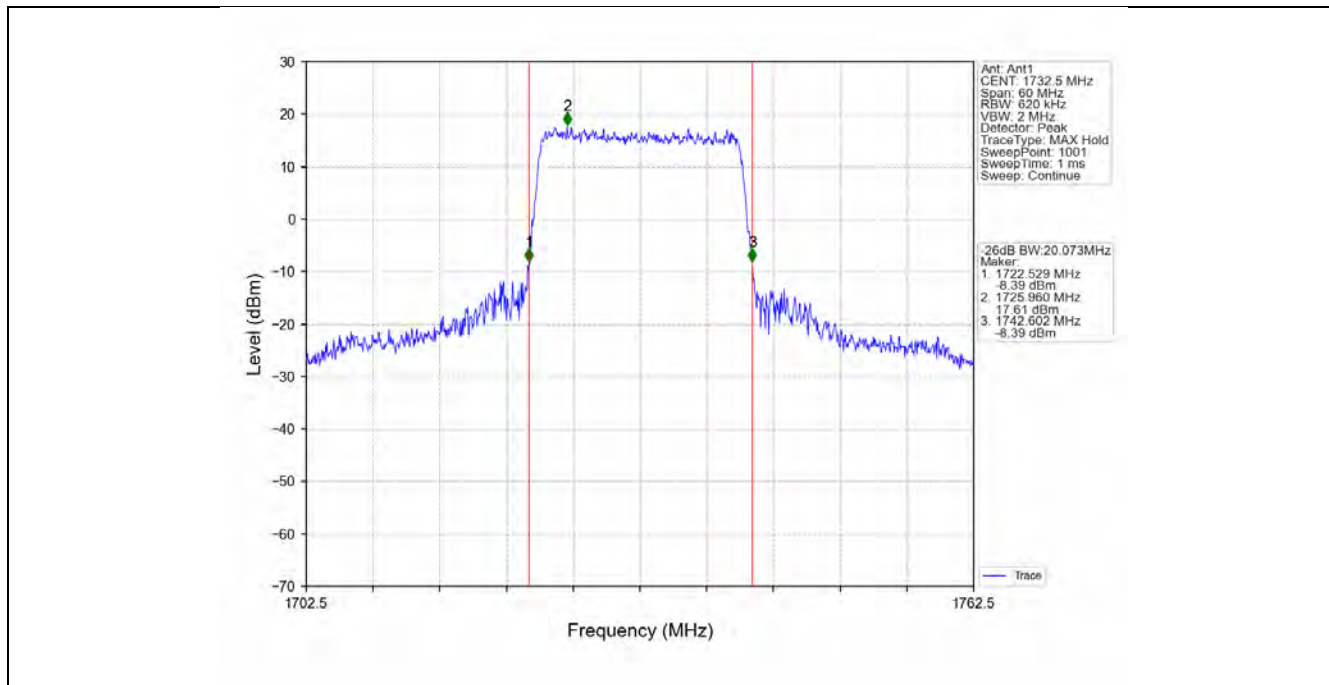
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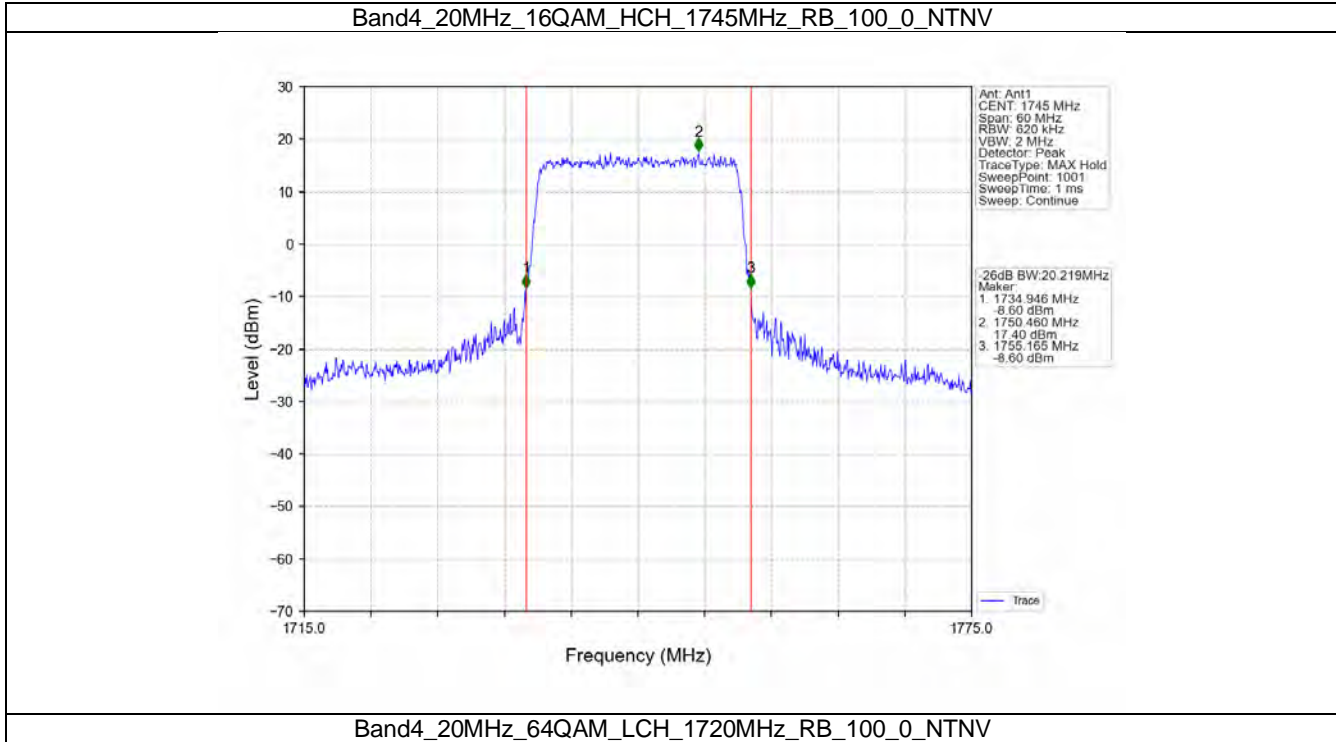


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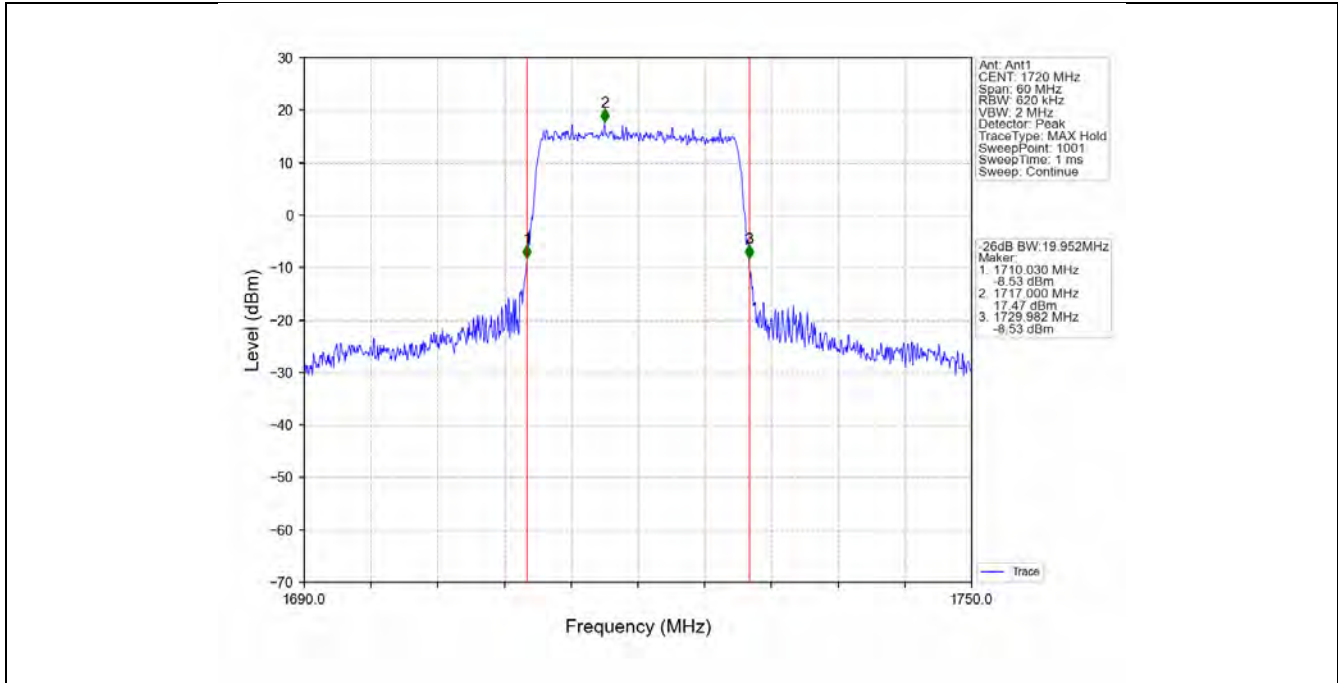


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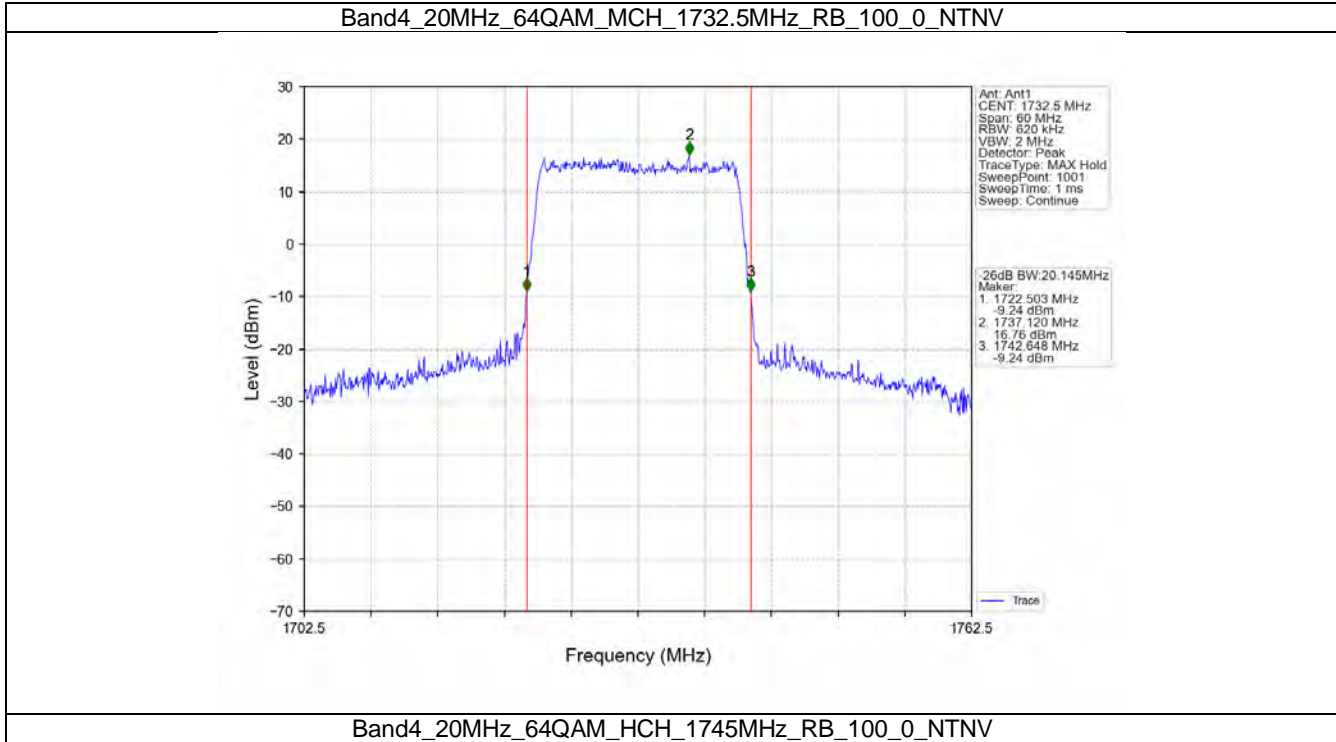


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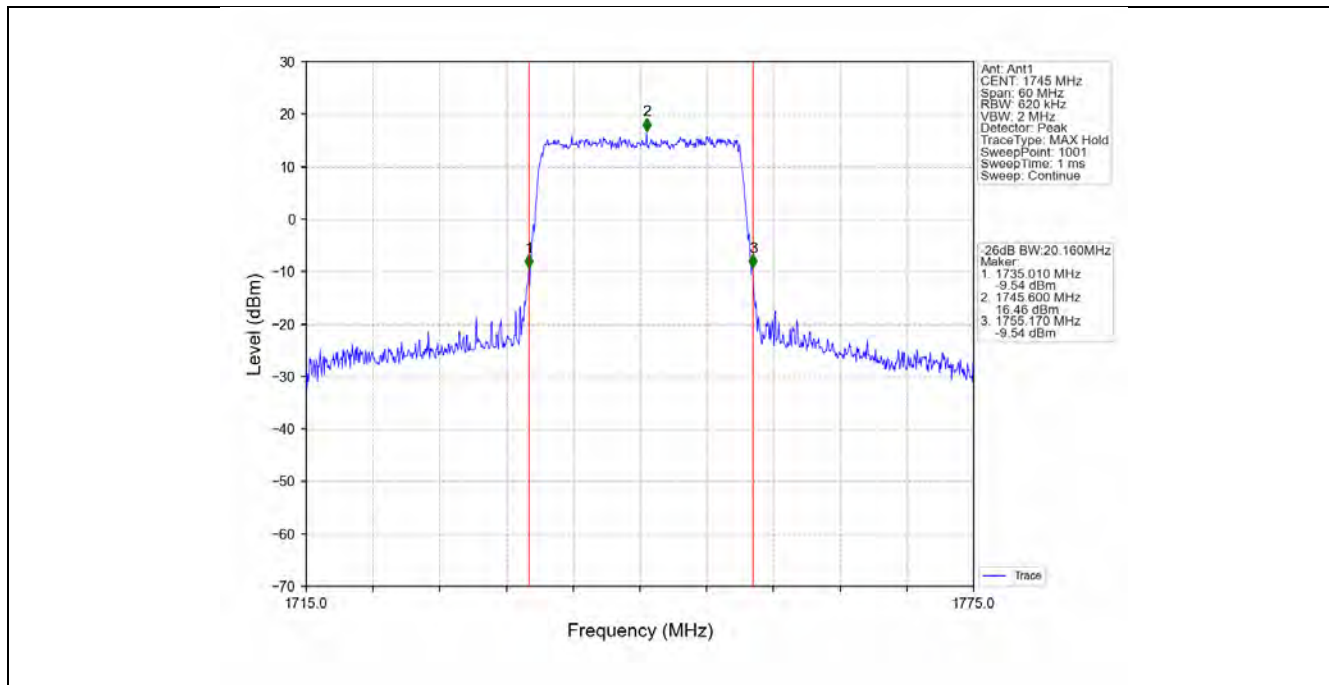
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4. Peak-Average Ratio

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	5.17	<=13	Pass
	1732.5	6	0	5.30	<=13	Pass
	1754.3	6	0	5.28	<=13	Pass
16QAM	1710.7	6	0	6.25	<=13	Pass
	1732.5	6	0	6.25	<=13	Pass
	1754.3	6	0	6.24	<=13	Pass
64QAM	1710.7	6	0	9.61	<=13	Pass
	1732.5	6	0	6.81	<=13	Pass
	1754.3	6	0	9.83	<=13	Pass



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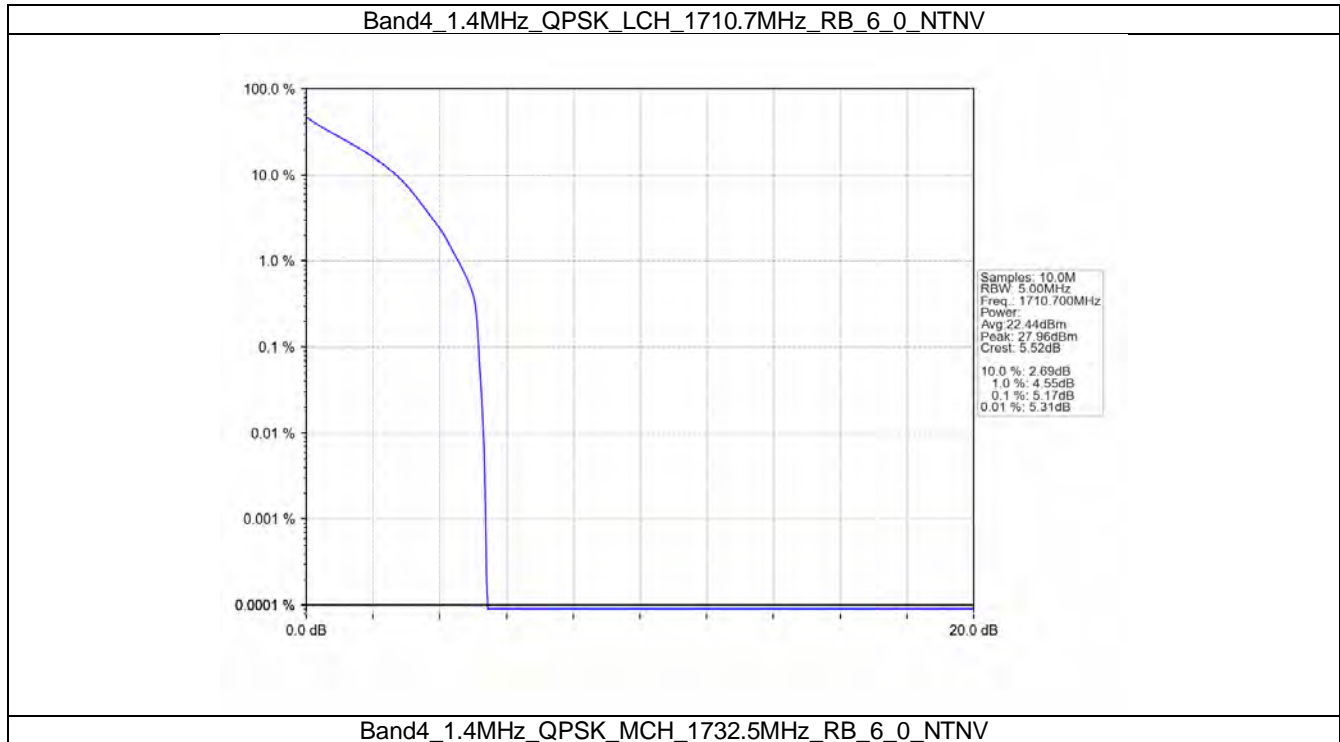
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4.1.2 Test Graph



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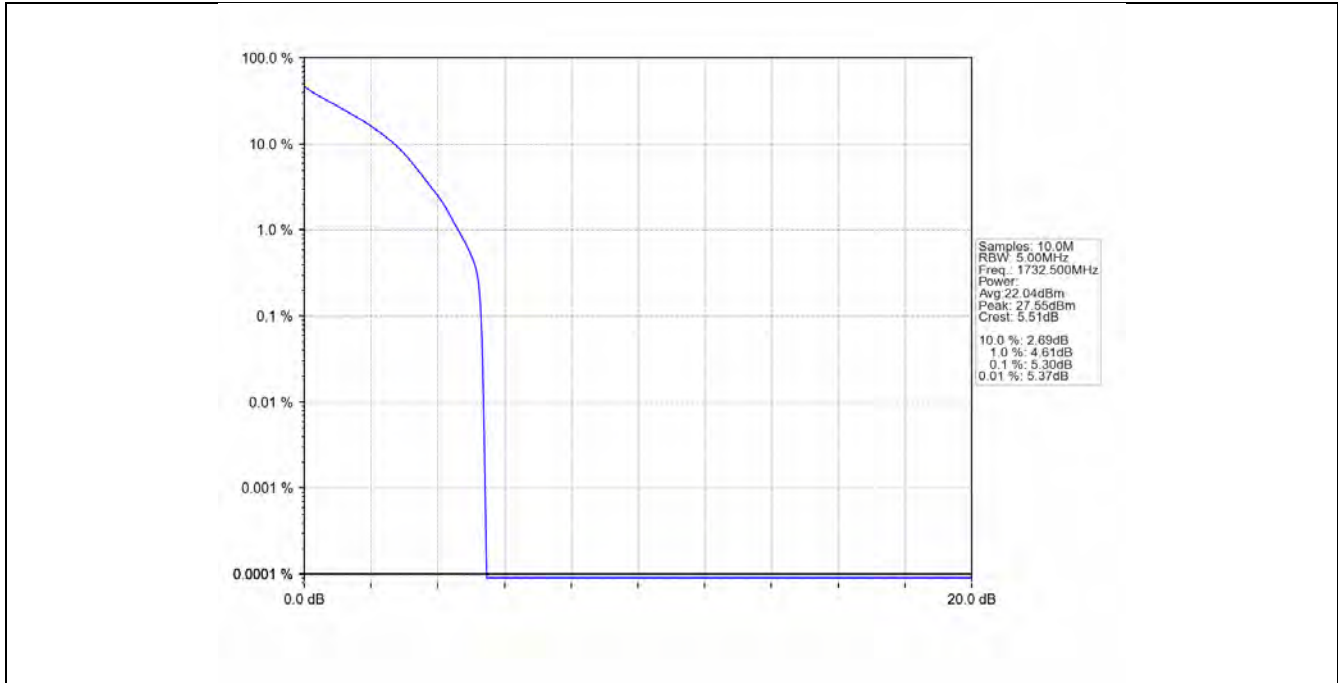


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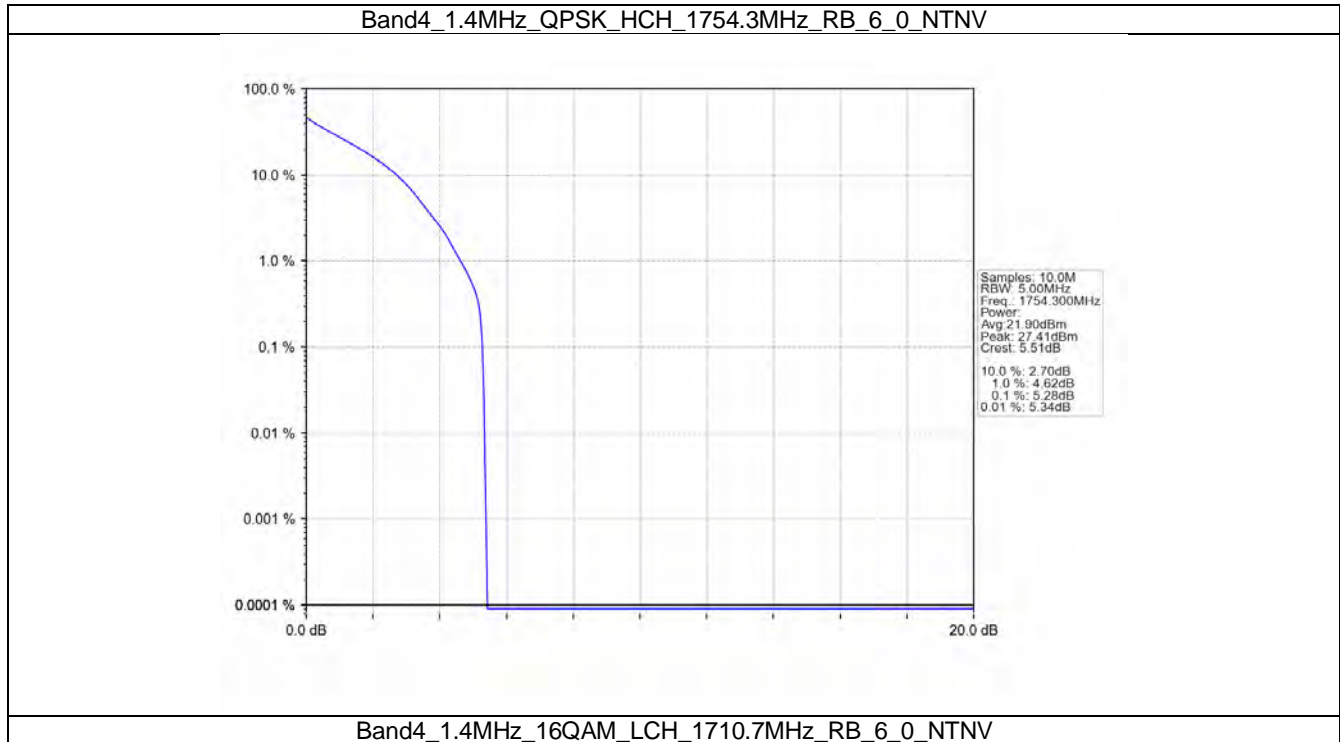


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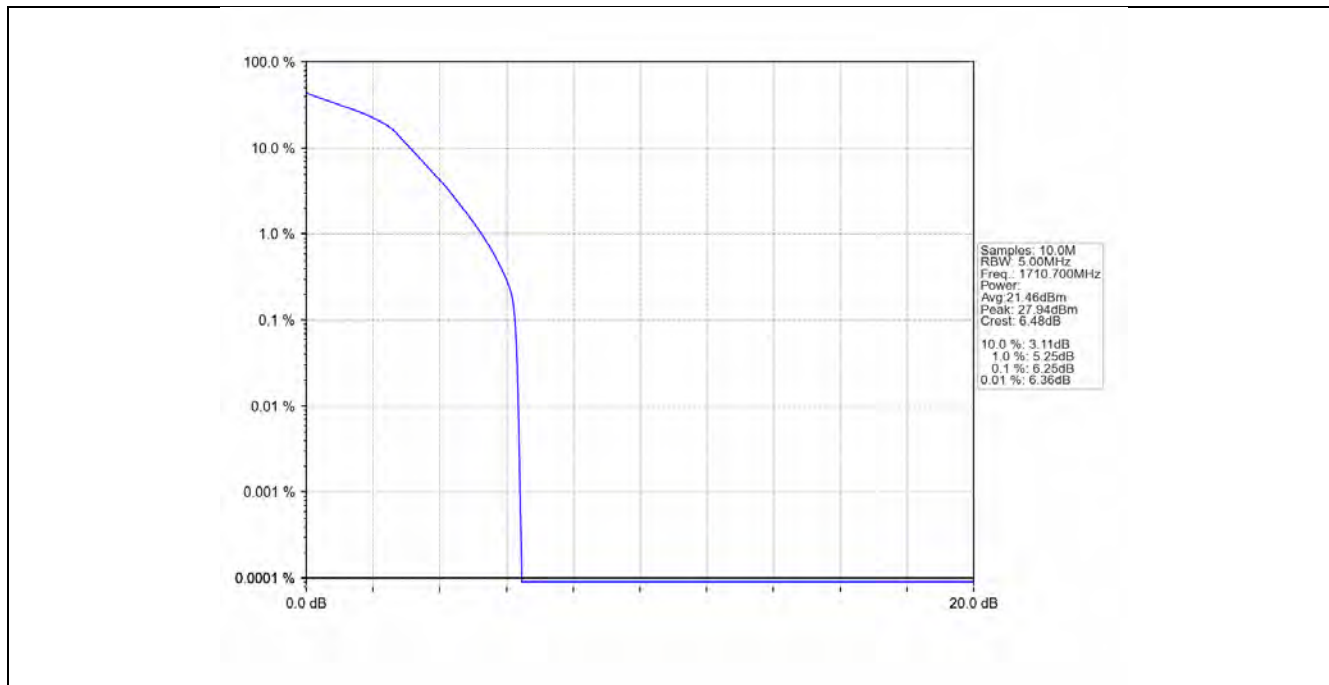
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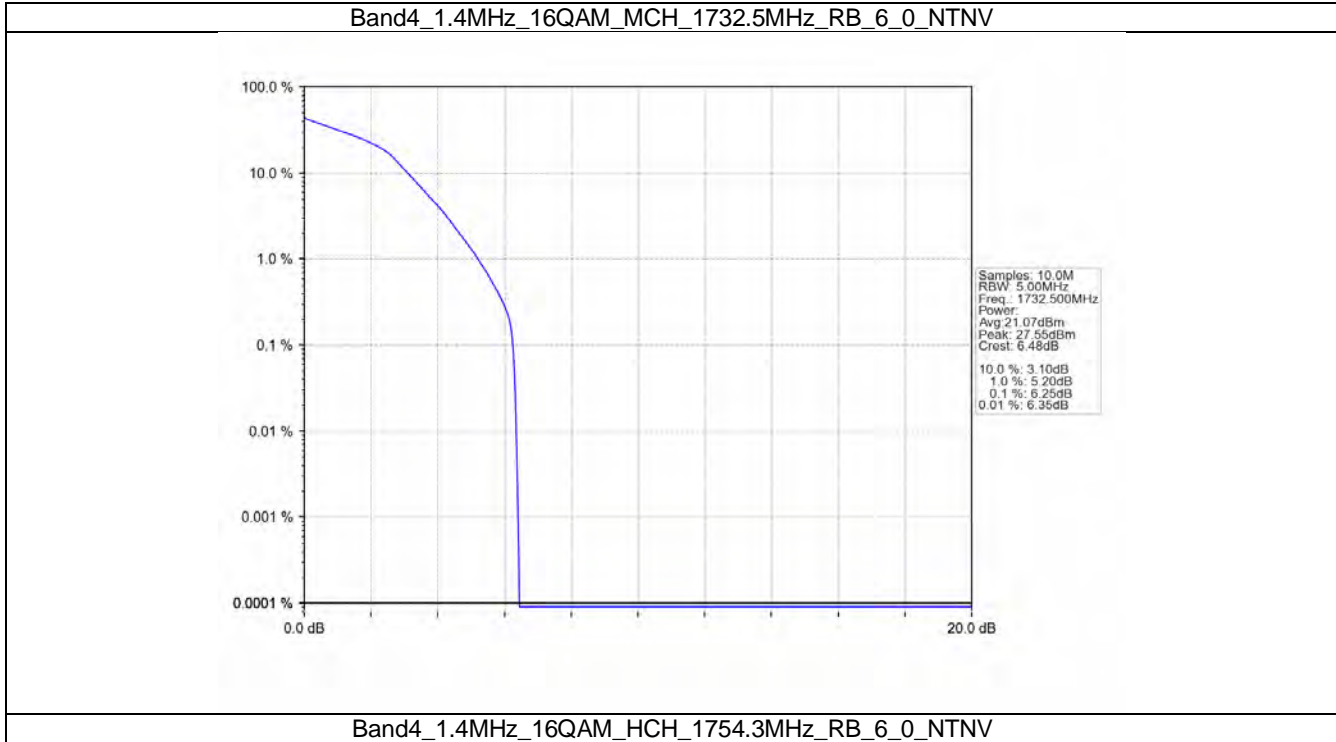


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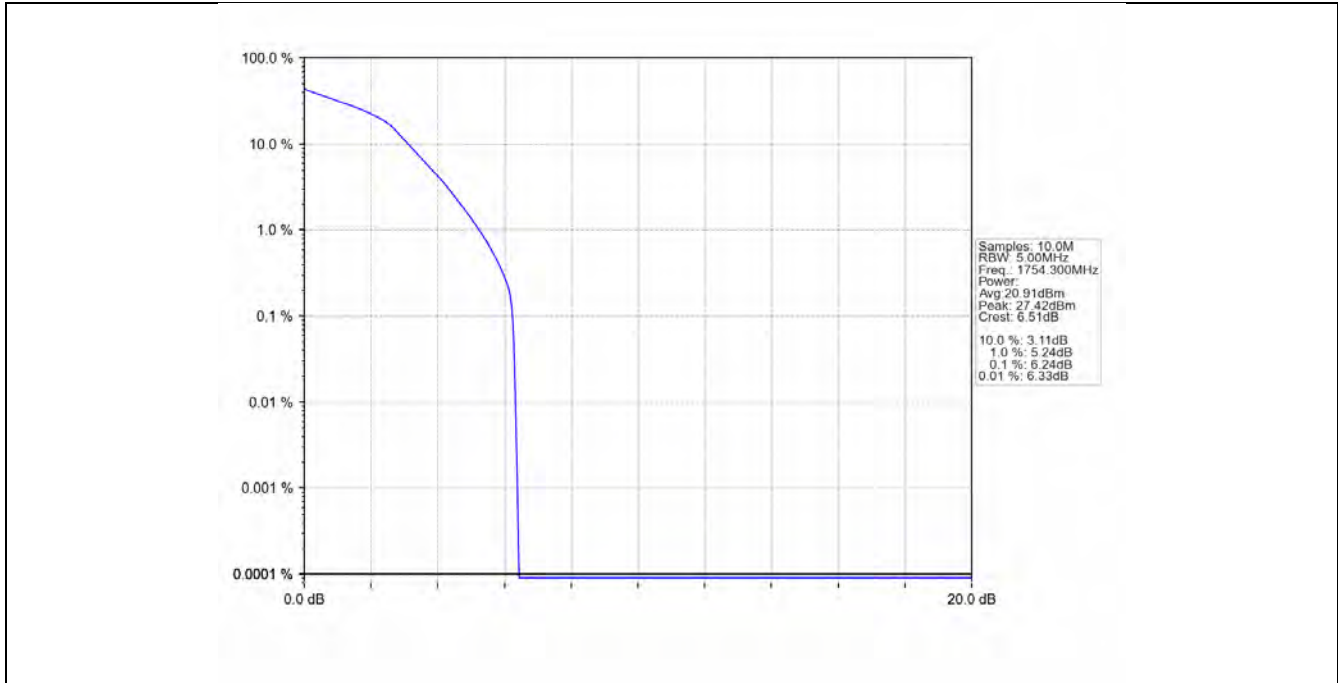


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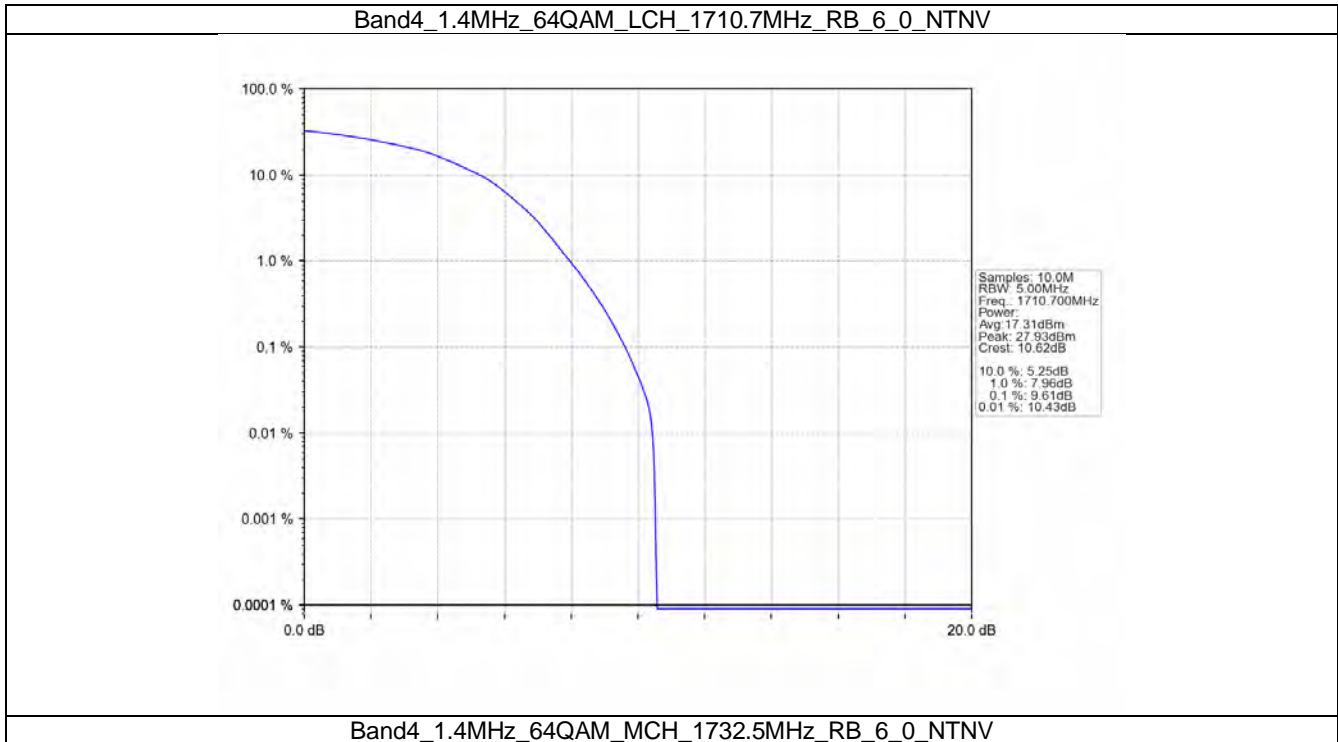


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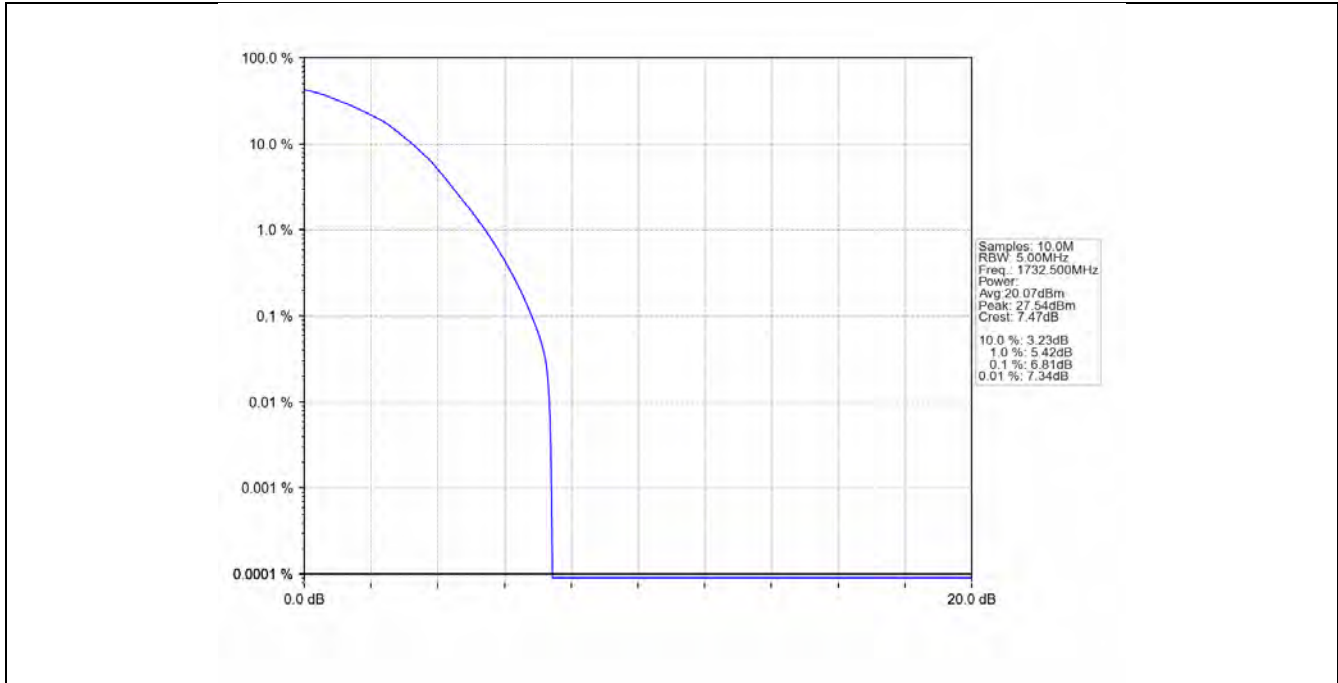


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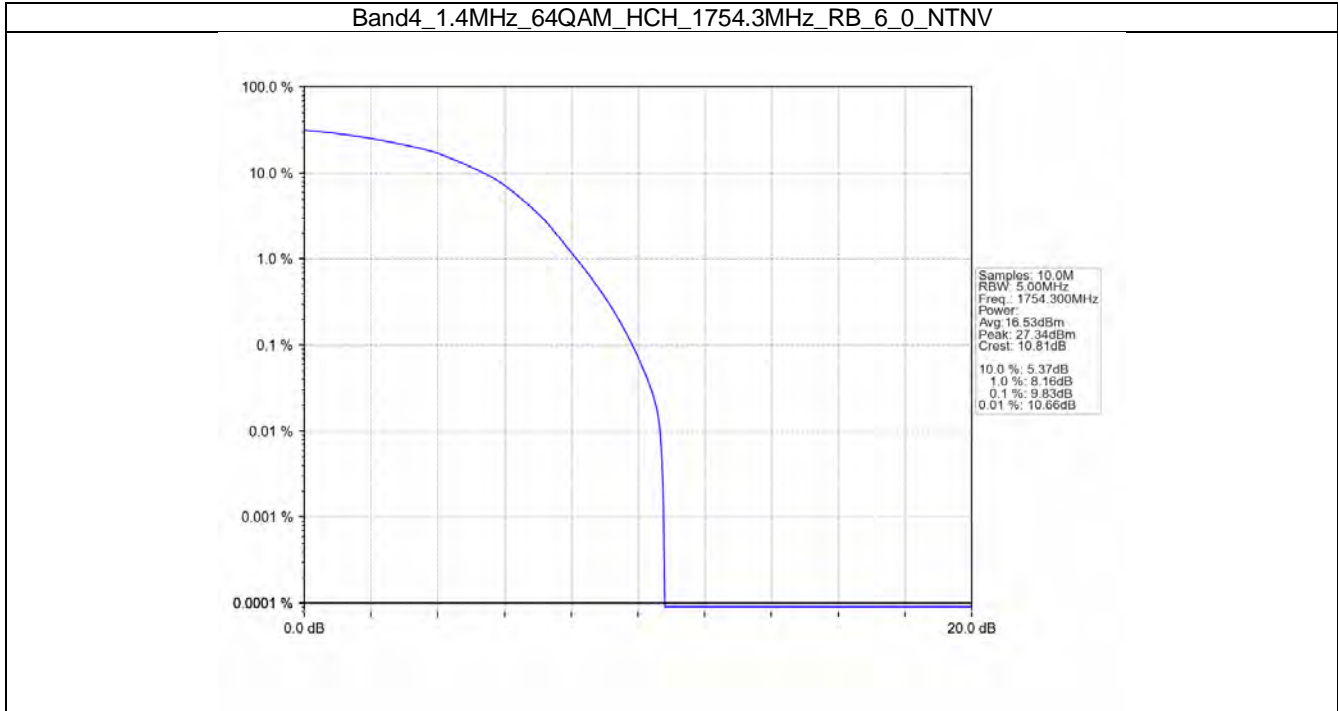


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4.2 B4_3MHz

4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.40	<=13	Pass
	1732.5	15	0	5.43	<=13	Pass
	1753.5	15	0	5.43	<=13	Pass
16QAM	1711.5	15	0	6.38	<=13	Pass
	1732.5	15	0	6.37	<=13	Pass
	1753.5	15	0	6.36	<=13	Pass
64QAM	1711.5	15	0	6.80	<=13	Pass
	1732.5	15	0	9.96	<=13	Pass
	1753.5	15	0	6.80	<=13	Pass



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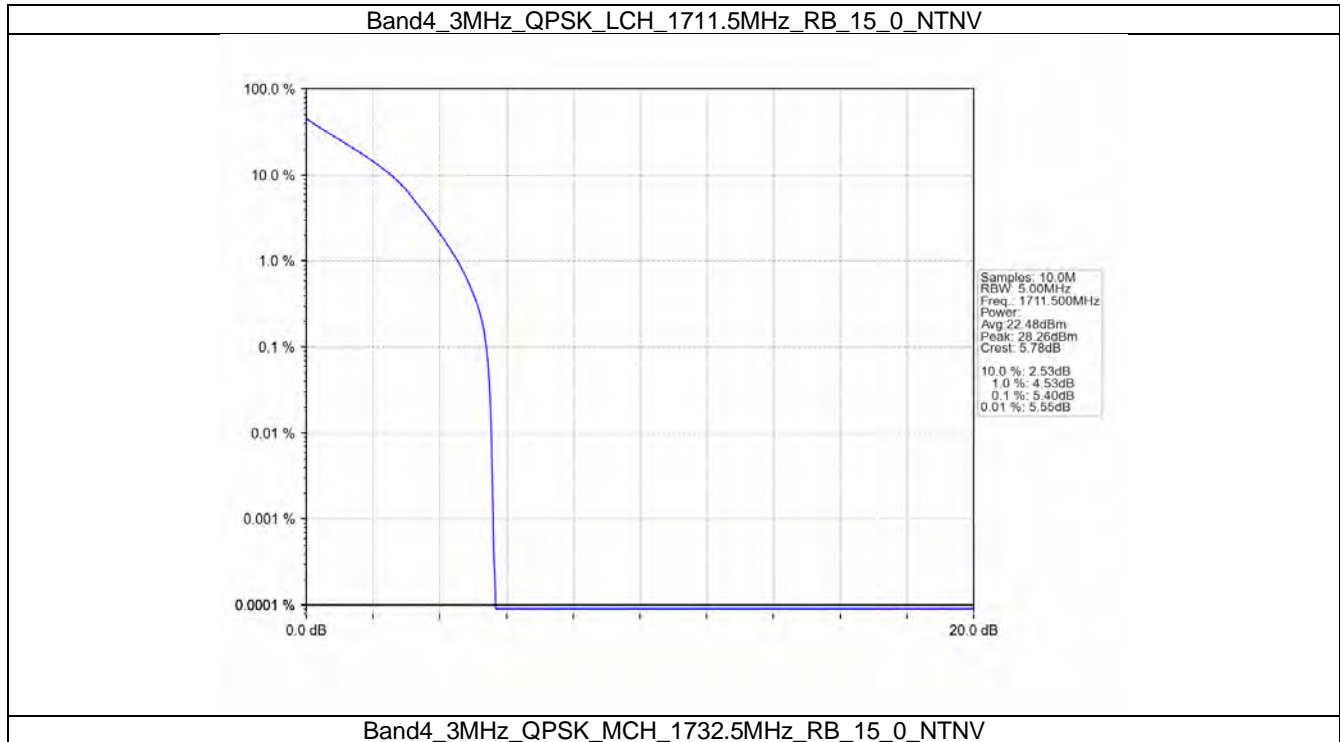
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4.2.2 Test Graph



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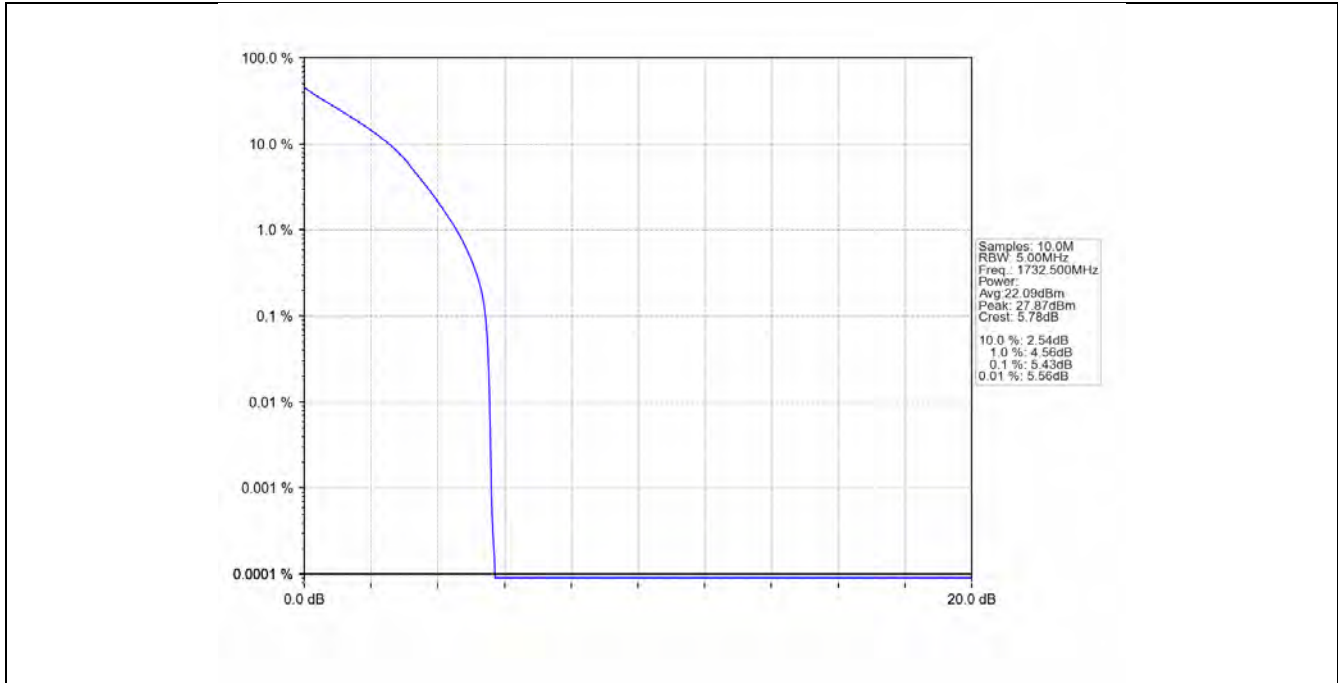


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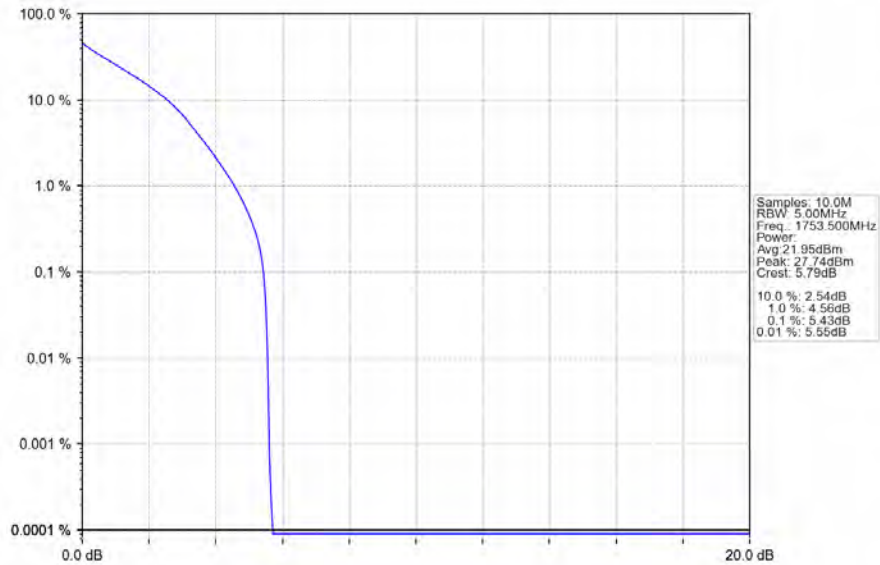
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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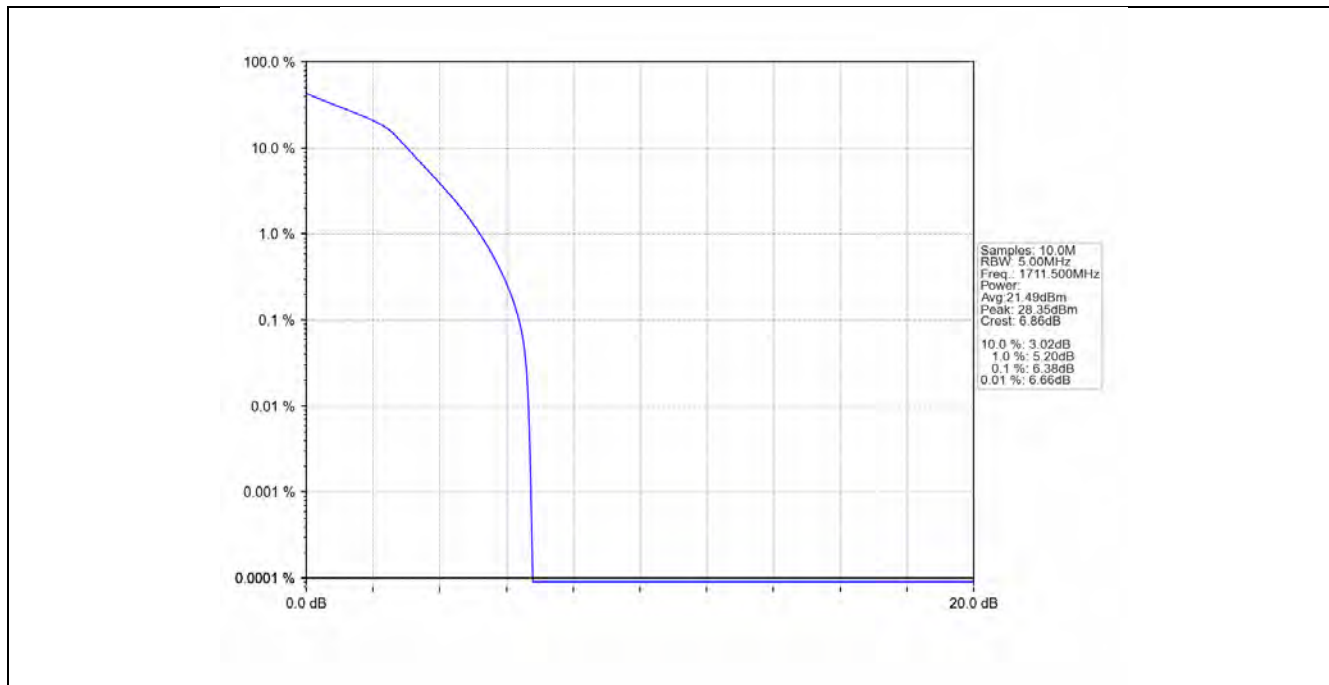
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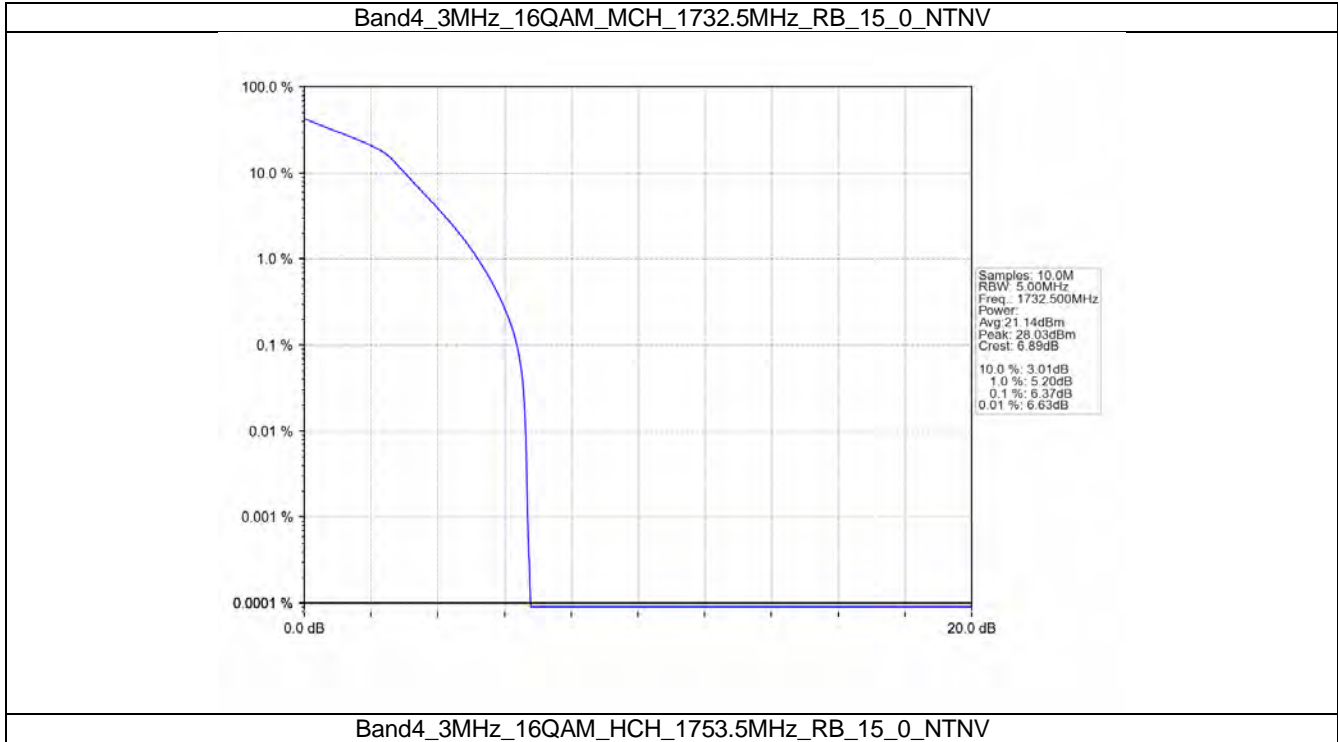


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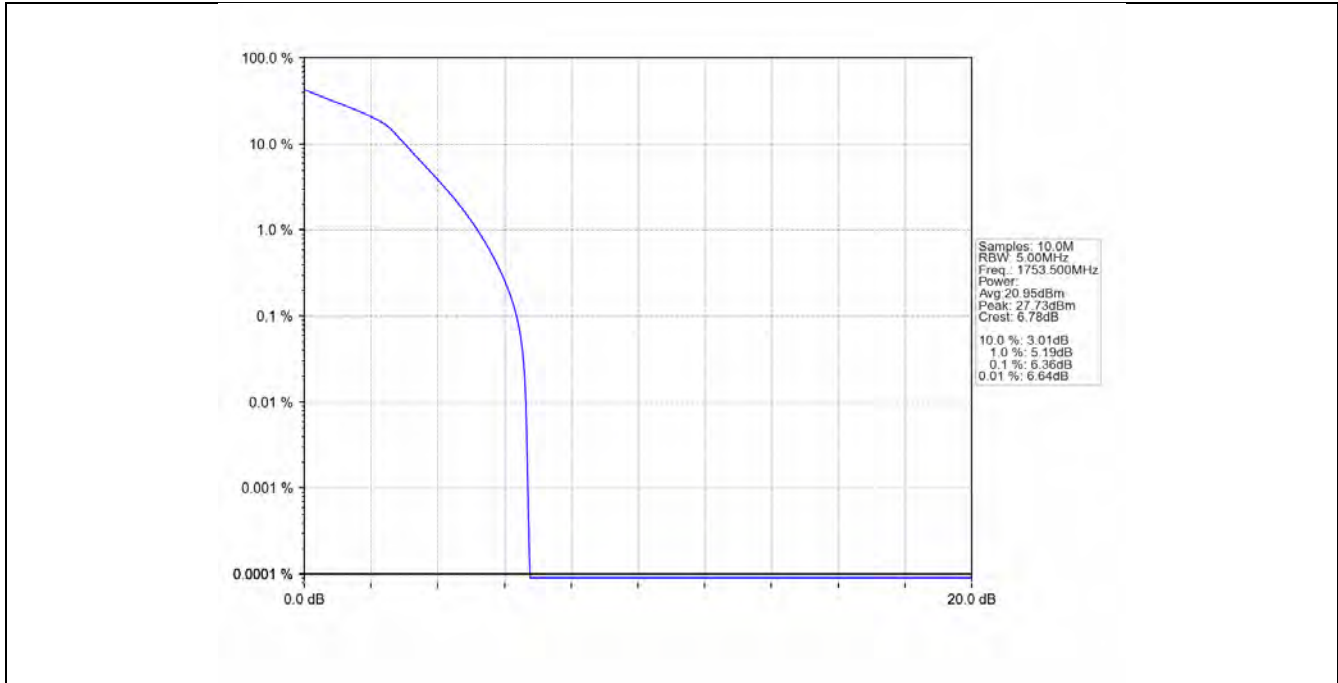


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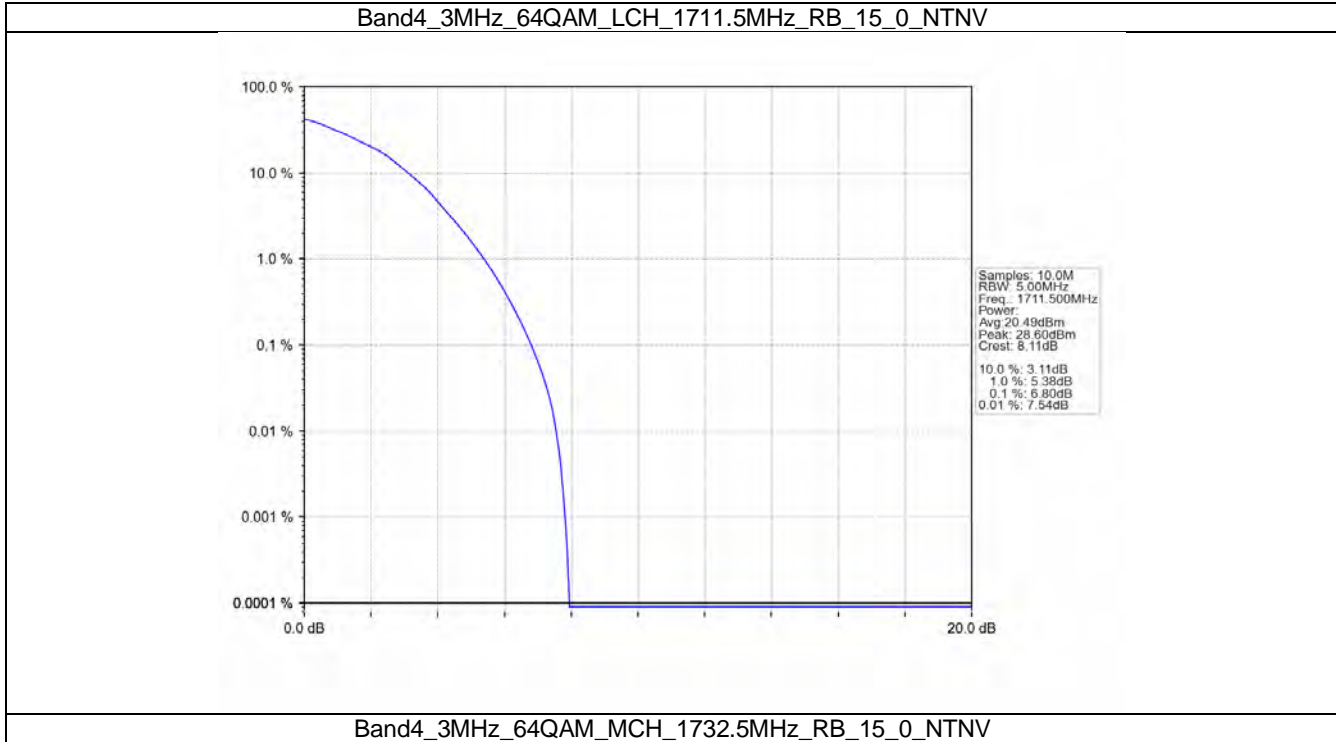


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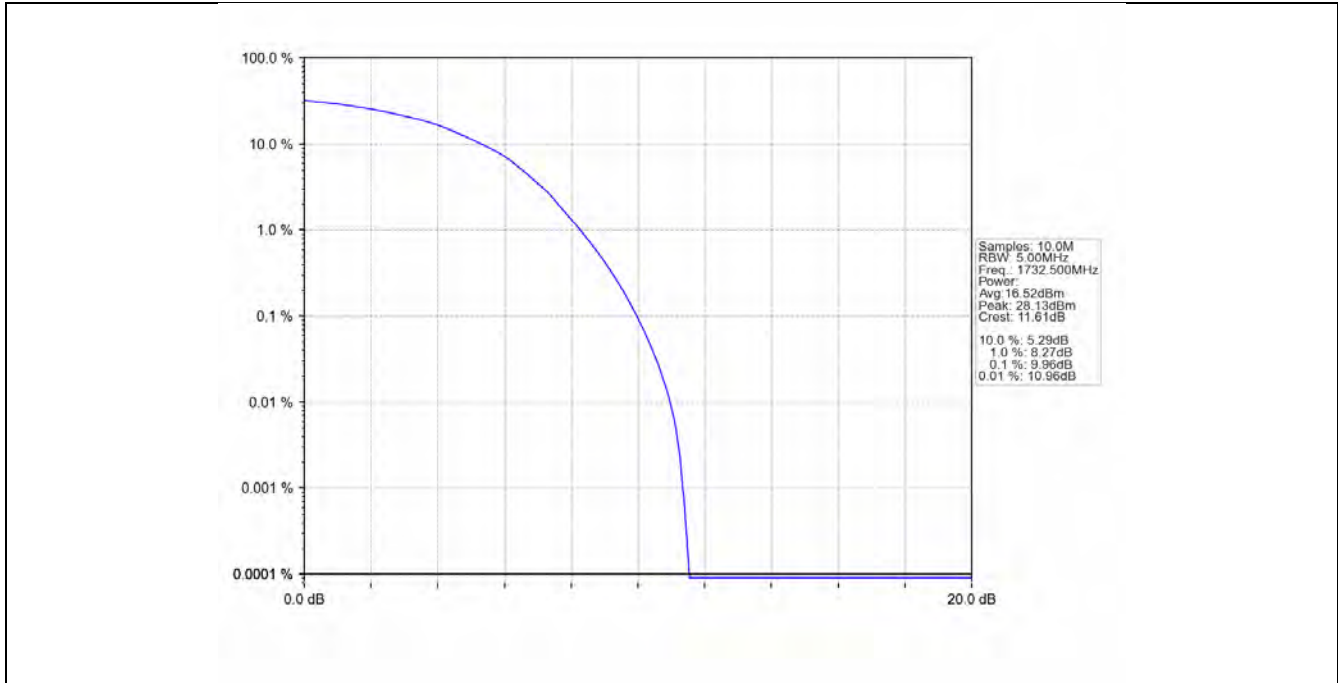


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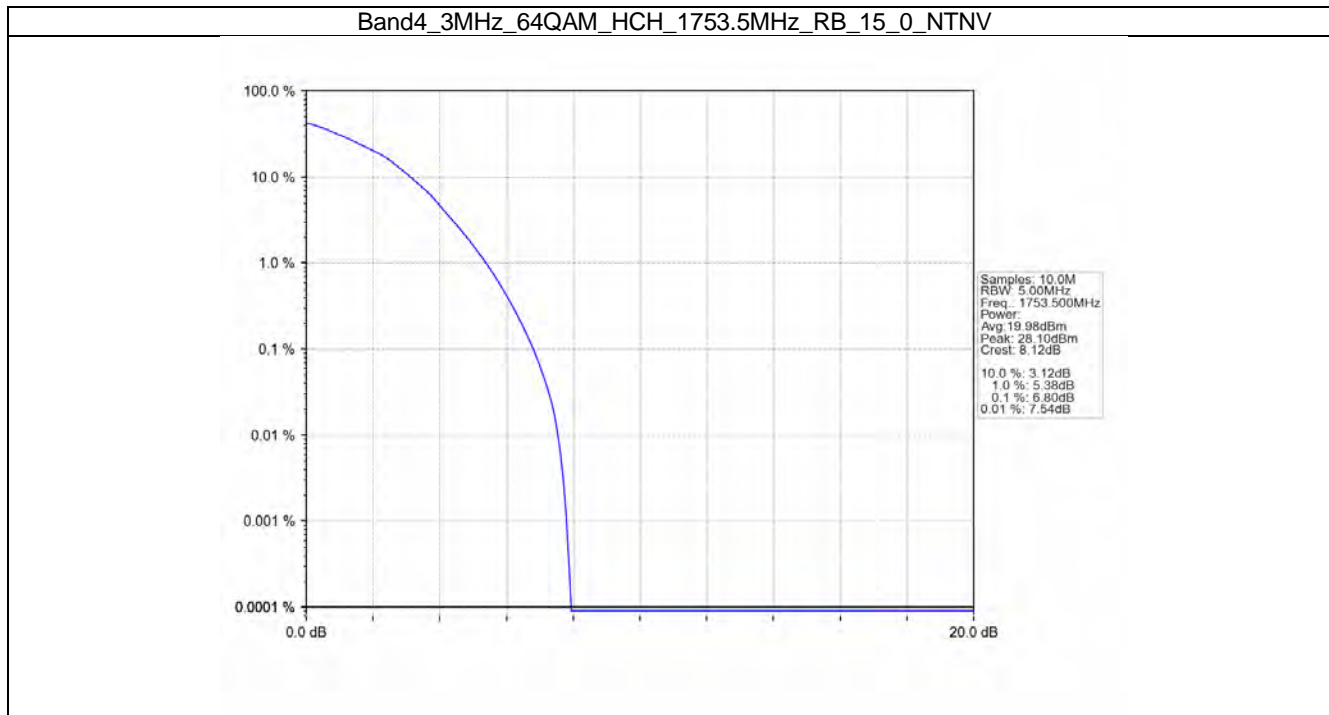
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4.3 B4_5MHz

4.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.56	<=13	Pass
	1732.5	25	0	5.58	<=13	Pass
	1752.5	25	0	5.57	<=13	Pass
16QAM	1712.5	25	0	6.42	<=13	Pass
	1732.5	25	0	6.44	<=13	Pass
	1752.5	25	0	6.42	<=13	Pass
64QAM	1712.5	25	0	10.23	<=13	Pass
	1732.5	25	0	10.30	<=13	Pass
	1752.5	25	0	10.59	<=13	Pass



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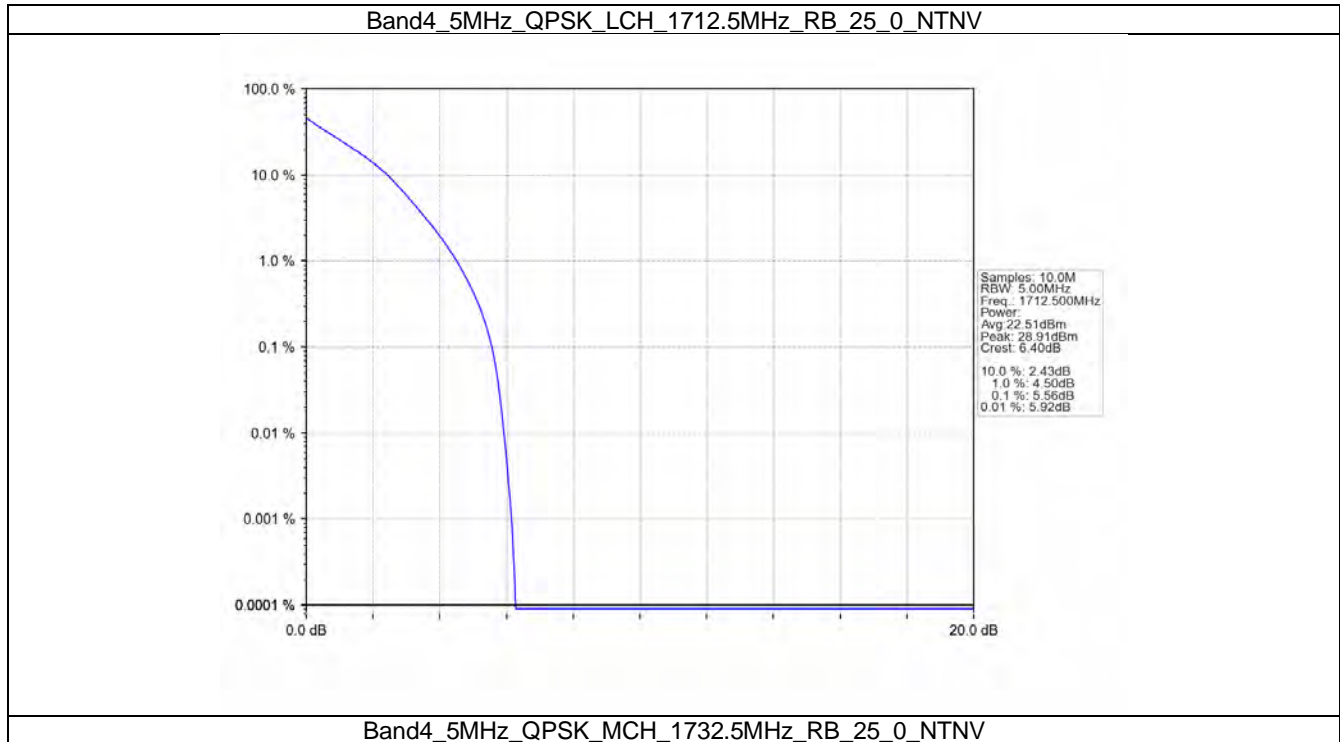
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4.3.2 Test Graph



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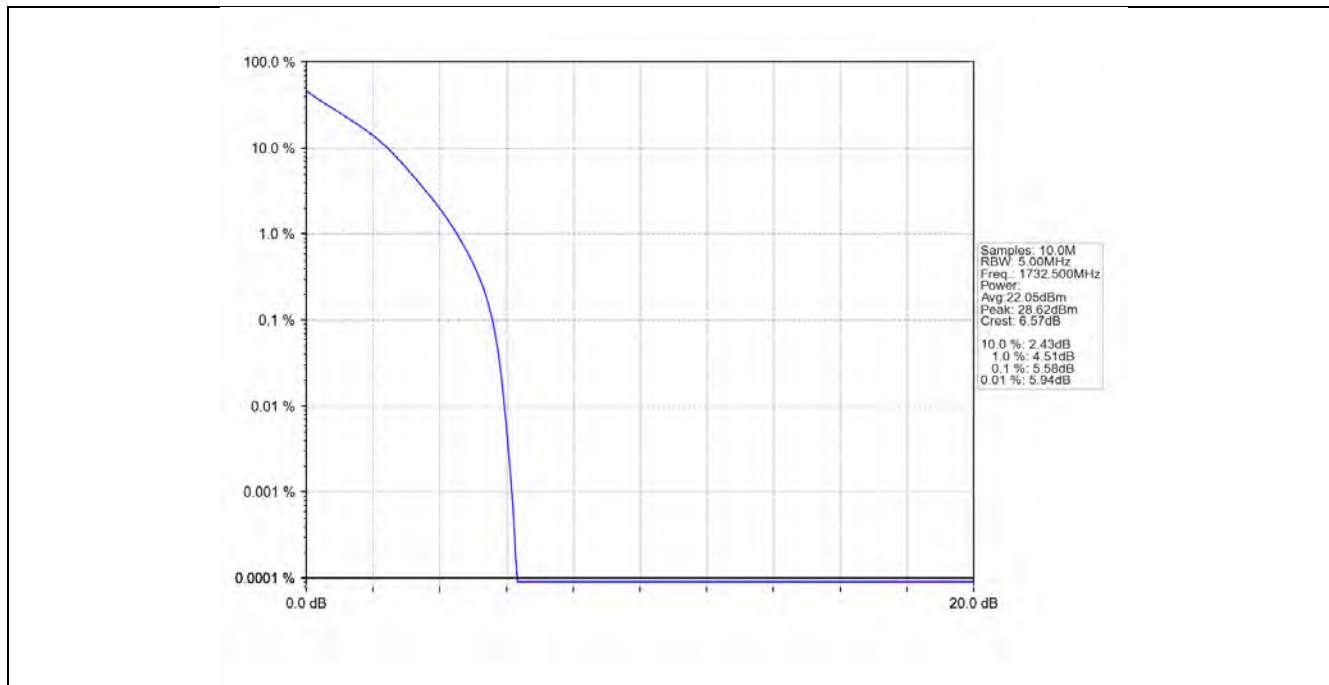
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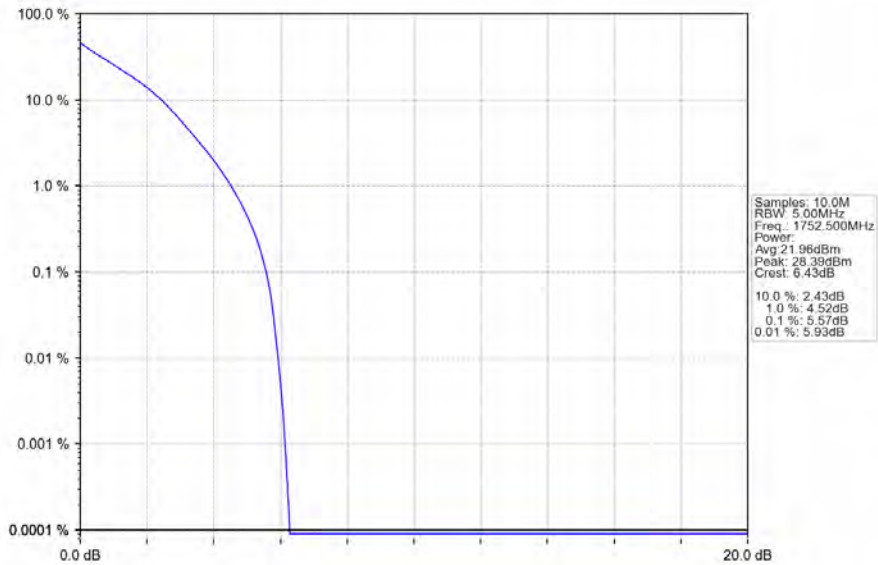
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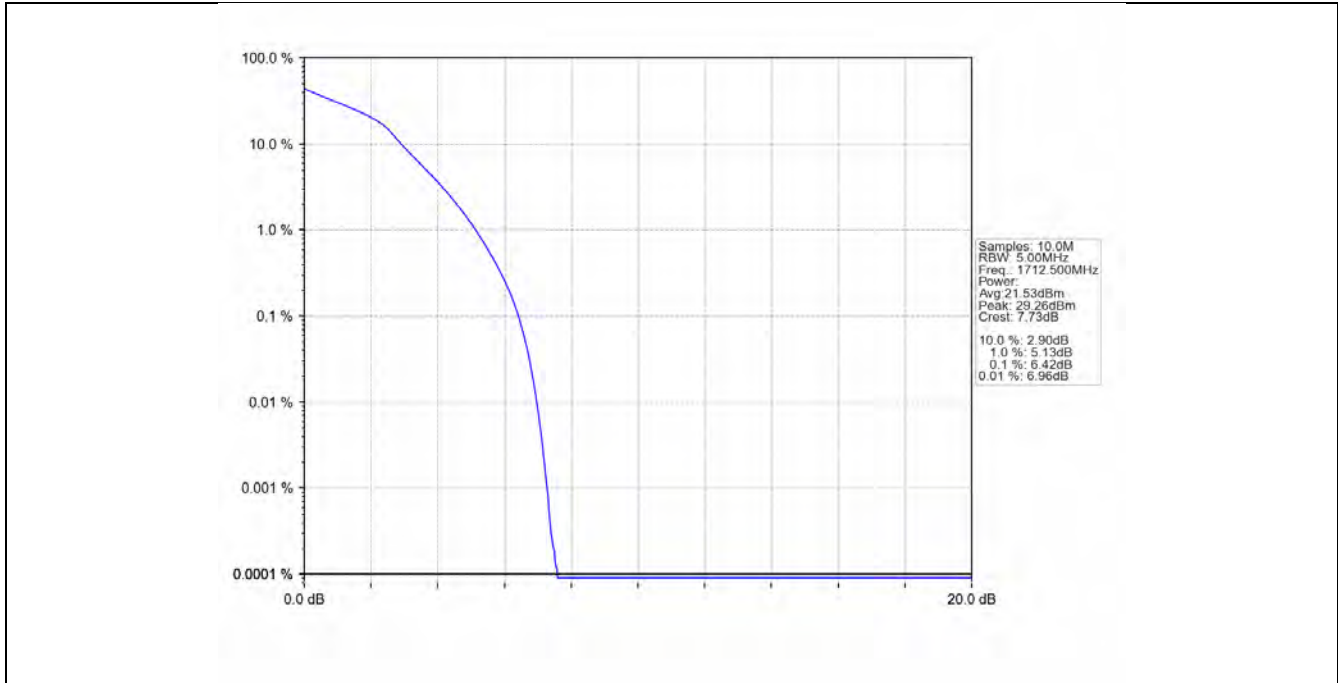


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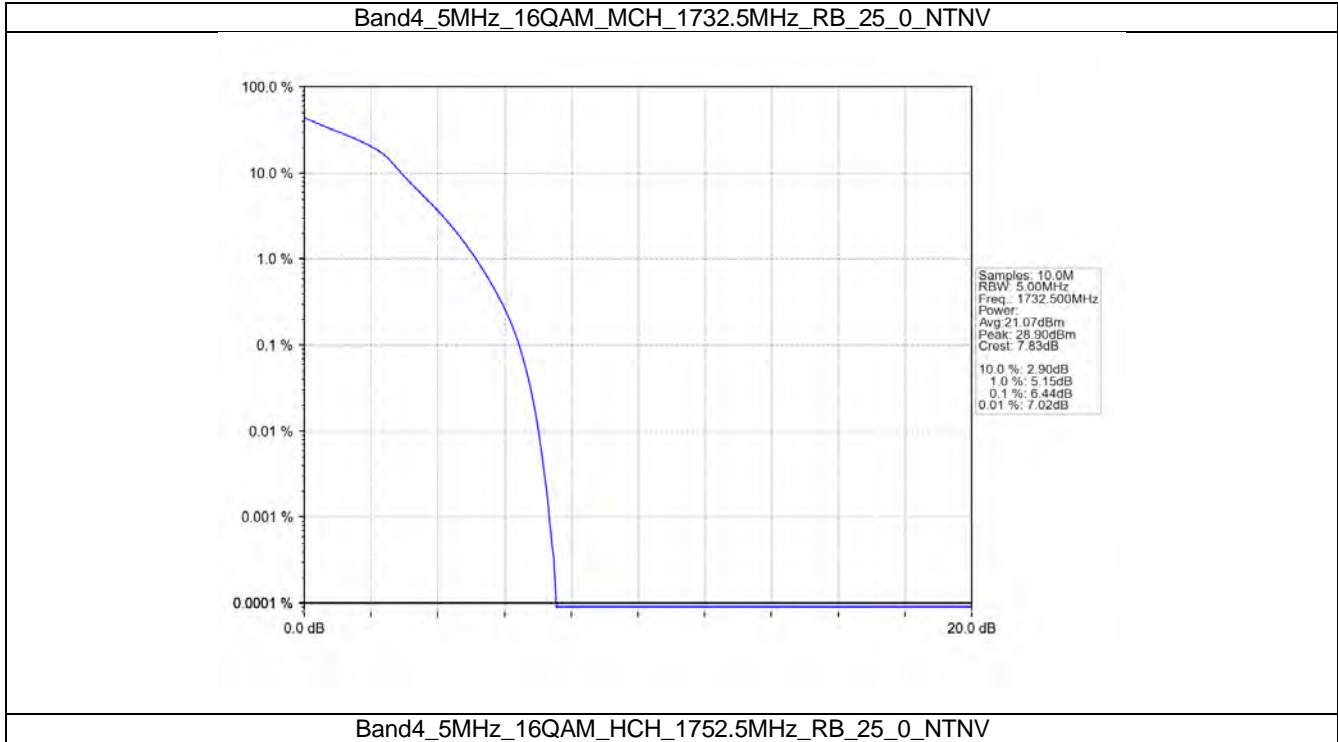


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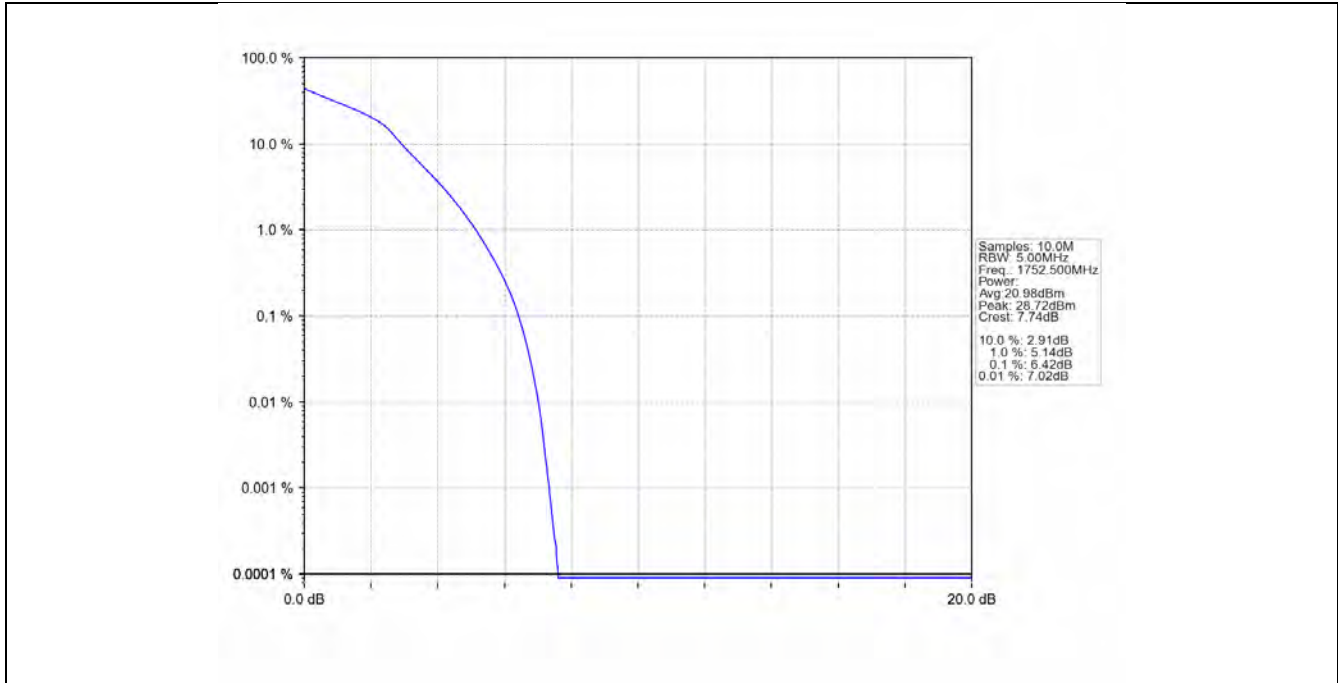


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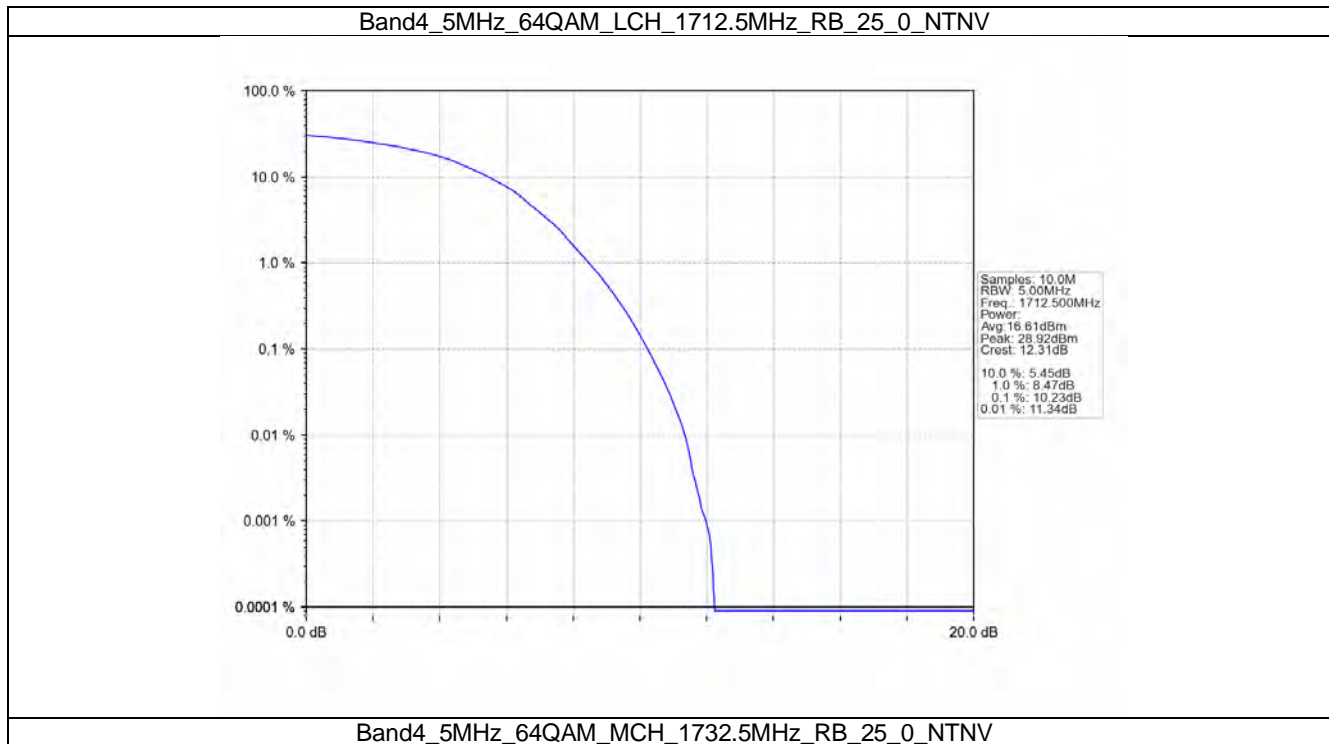
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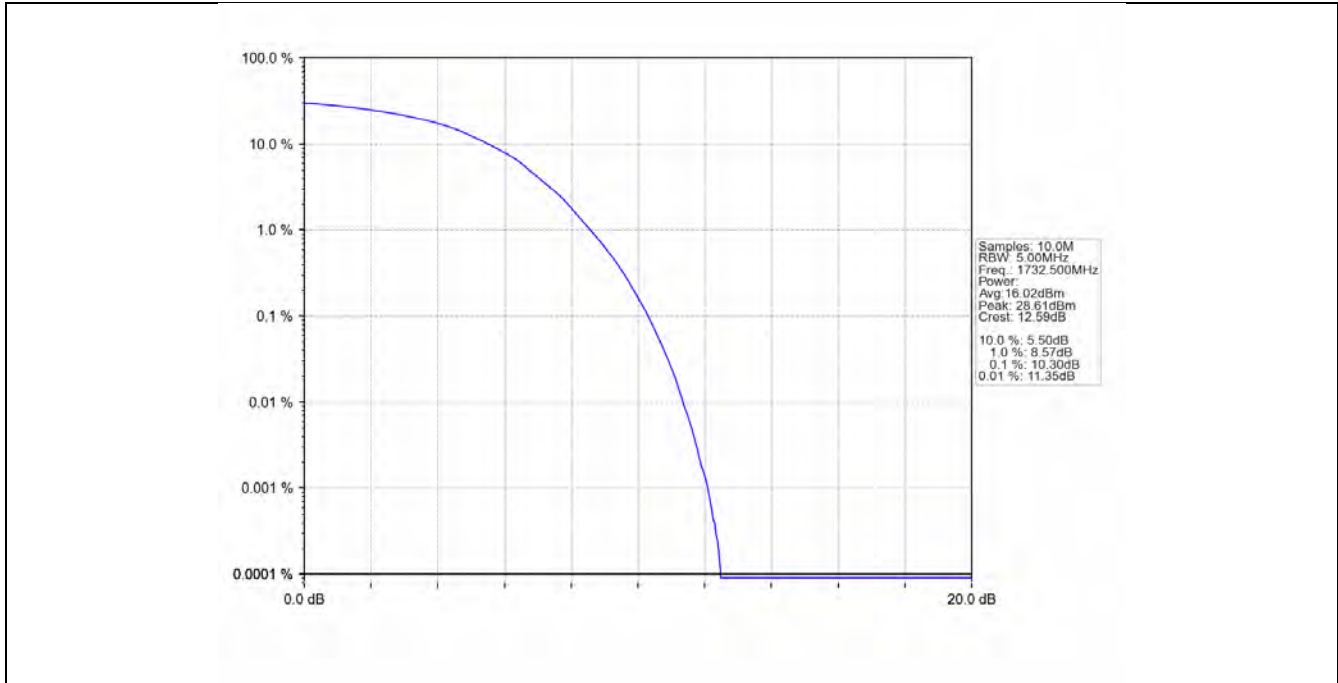


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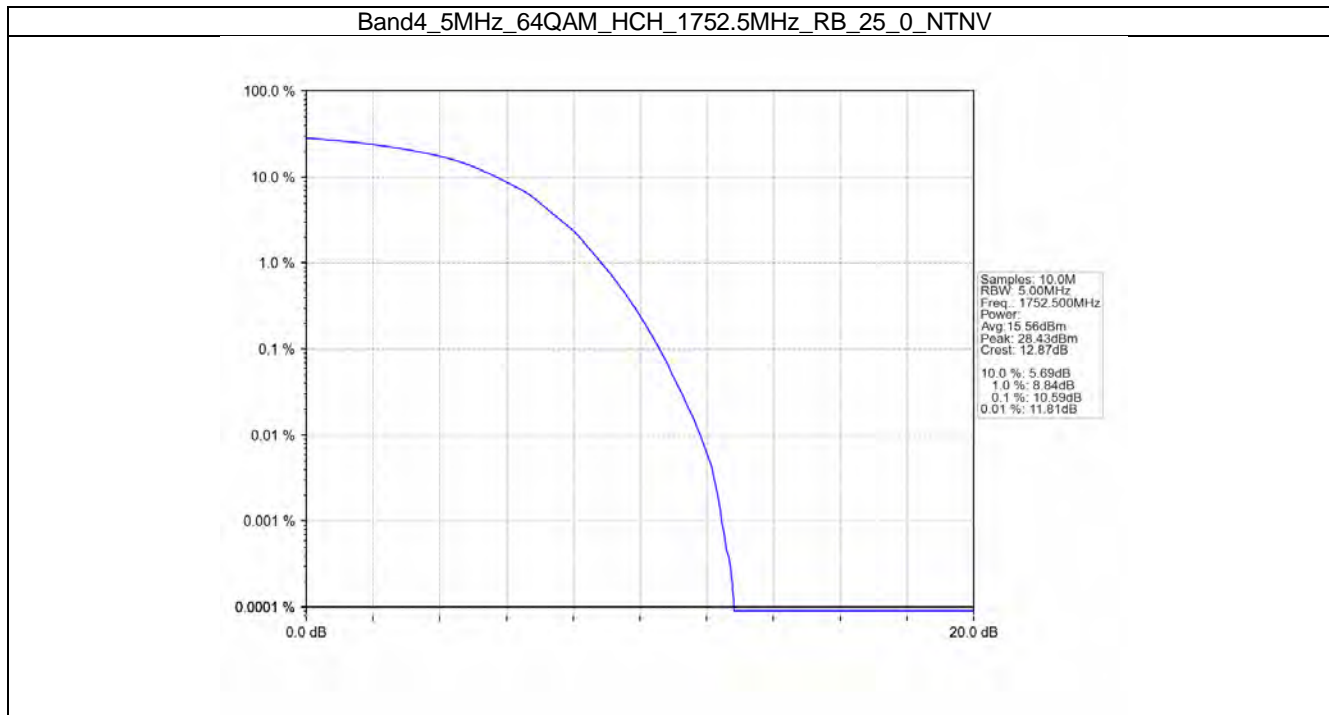
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4.4 B4_10MHz

4.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.55	<=13	Pass
	1732.5	50	0	5.61	<=13	Pass
	1750	50	0	5.60	<=13	Pass
16QAM	1715	50	0	6.36	<=13	Pass
	1732.5	50	0	6.40	<=13	Pass
	1750	50	0	6.41	<=13	Pass
64QAM	1715	50	0	6.69	<=13	Pass
	1732.5	50	0	7.77	<=13	Pass
	1750	50	0	6.75	<=13	Pass



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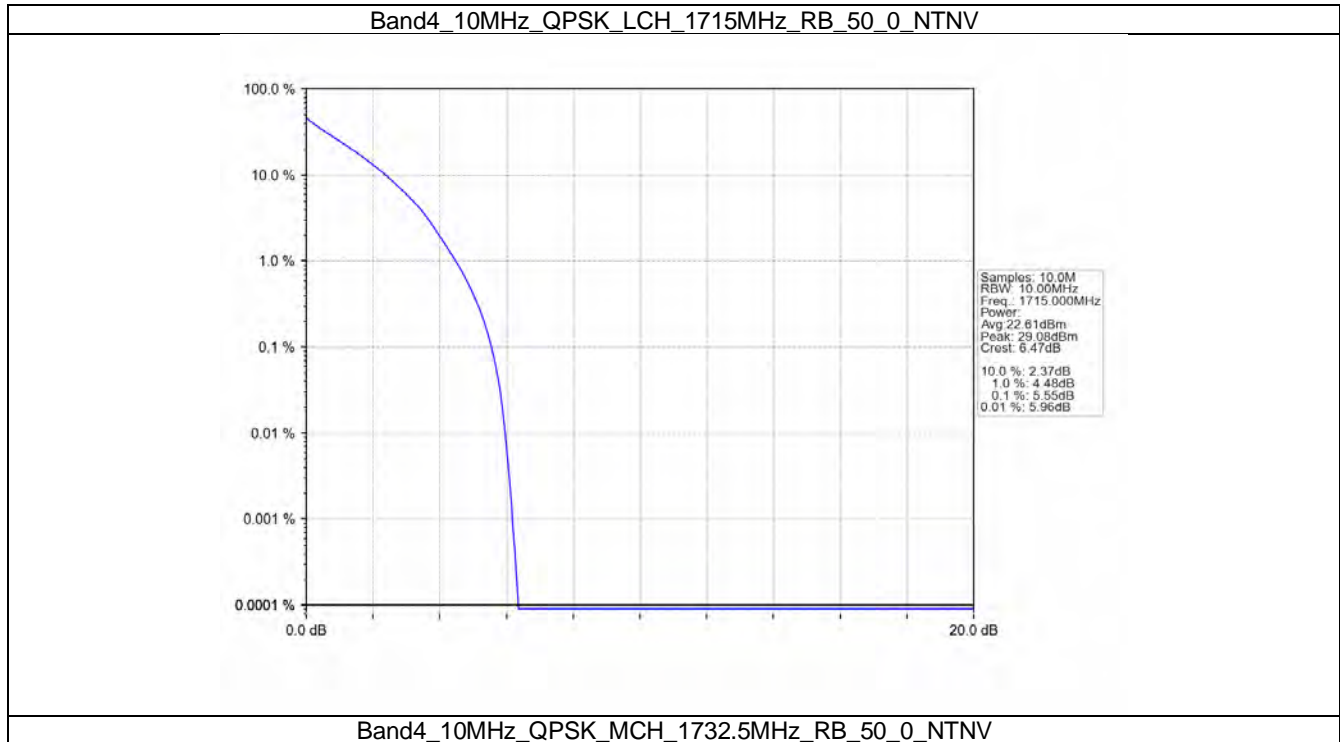
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4.4.2 Test Graph



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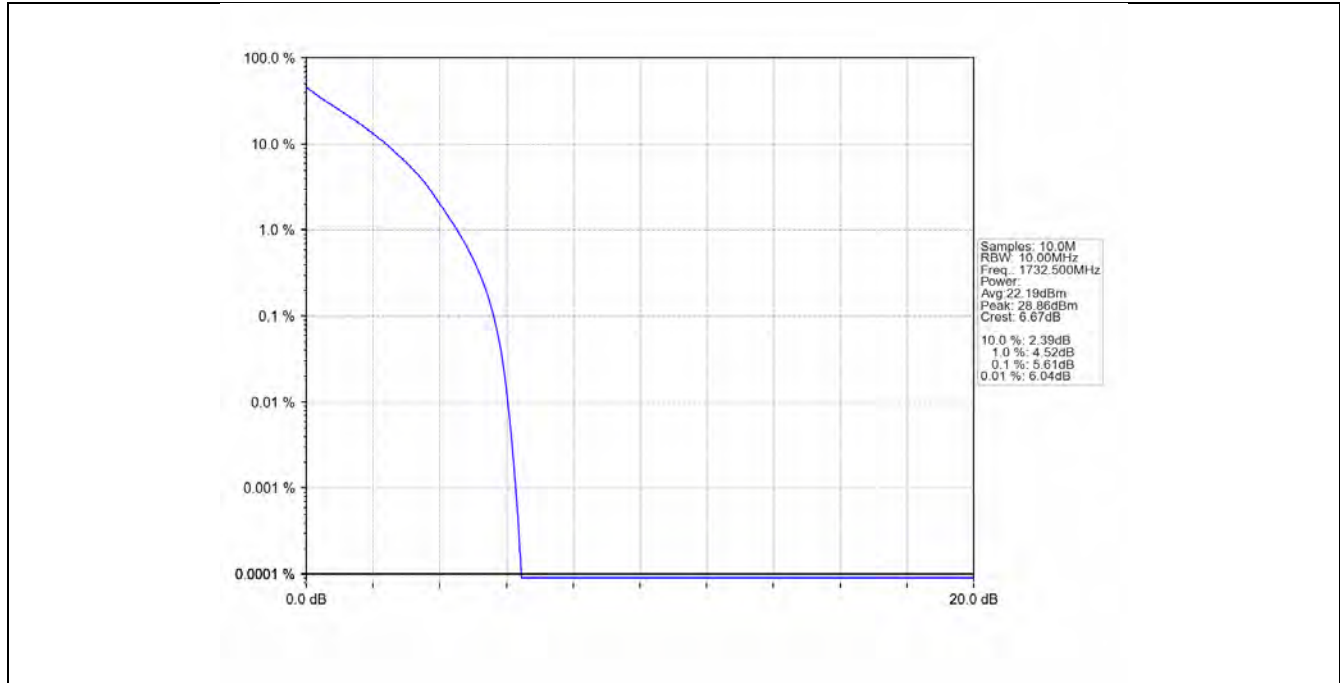


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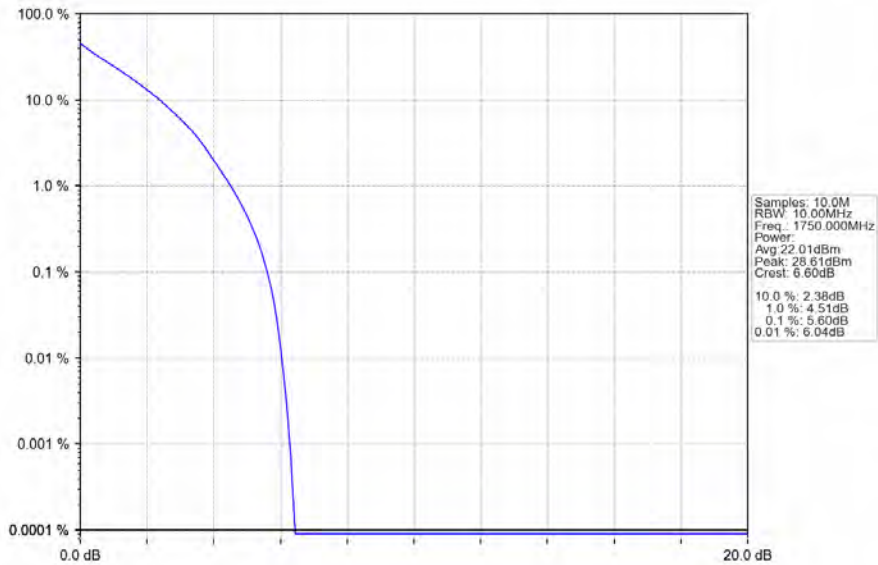
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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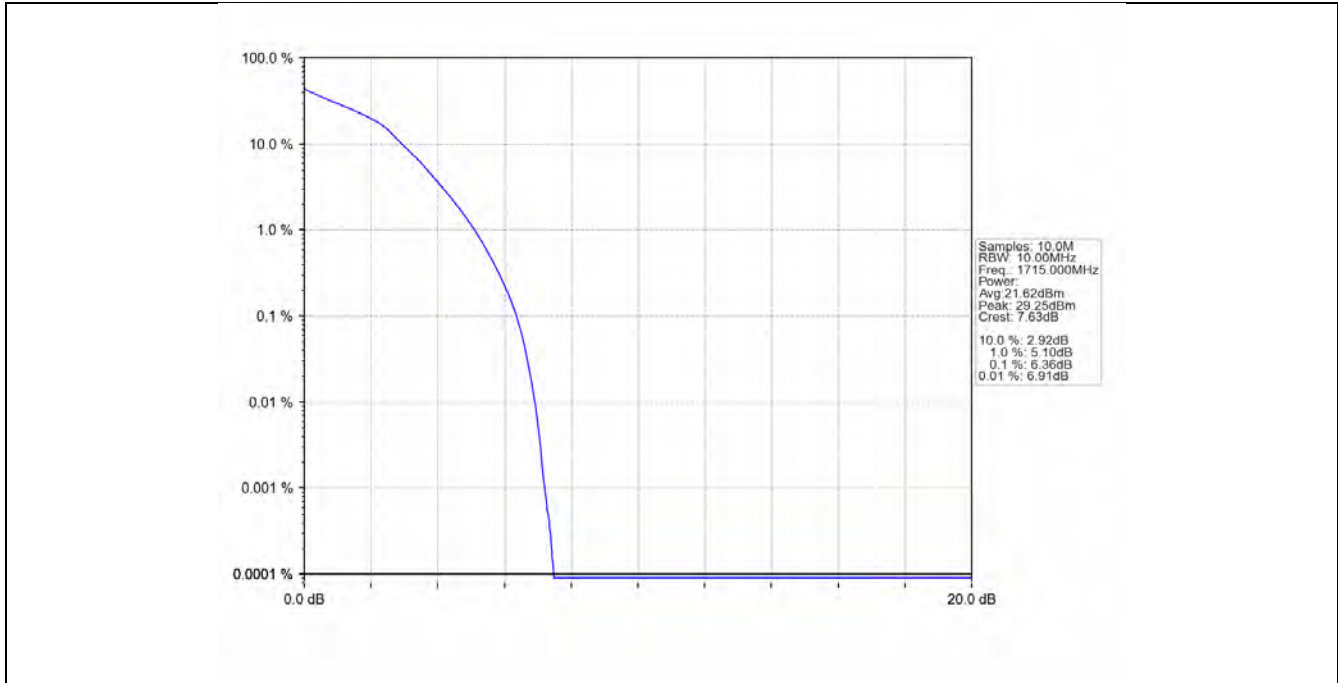


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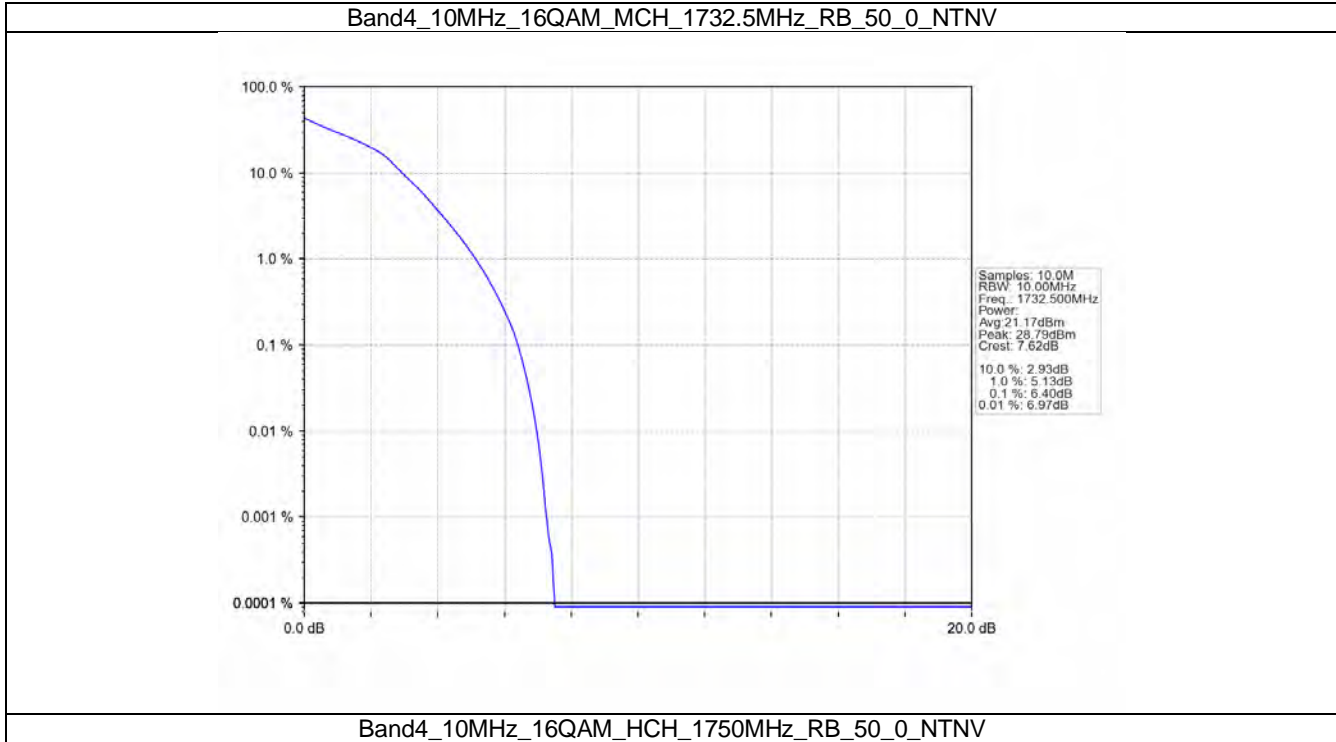


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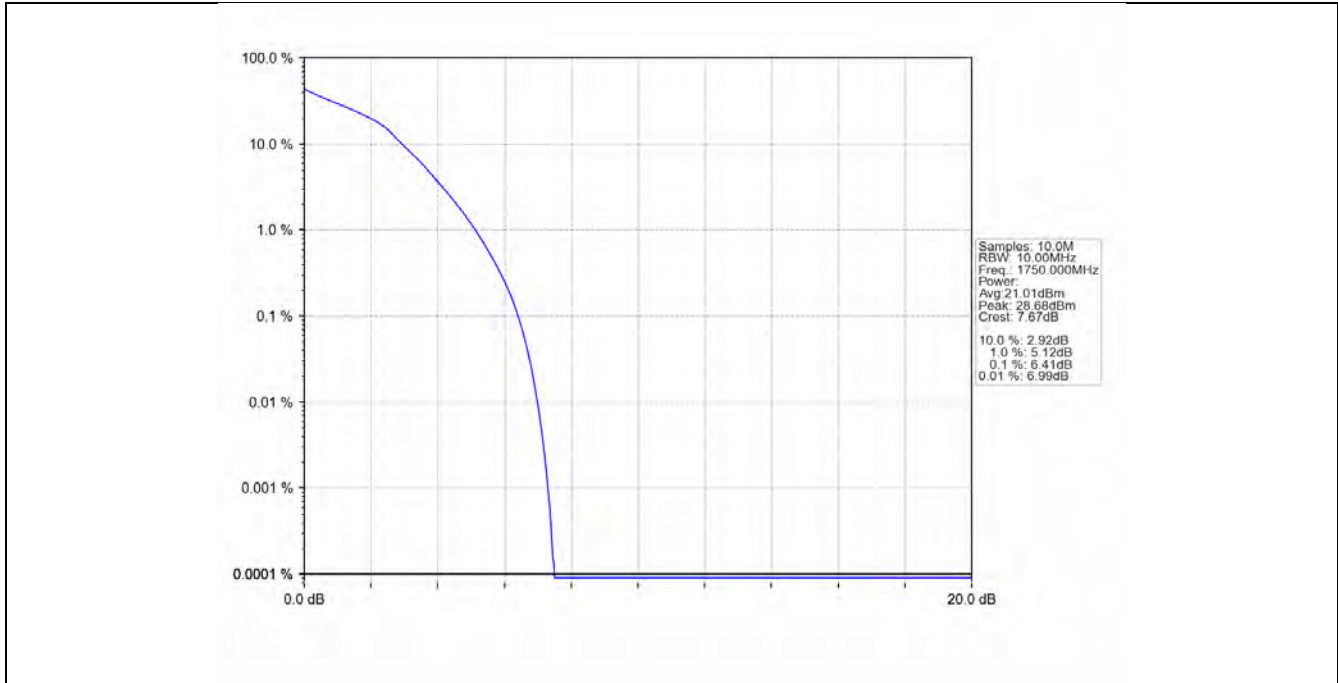


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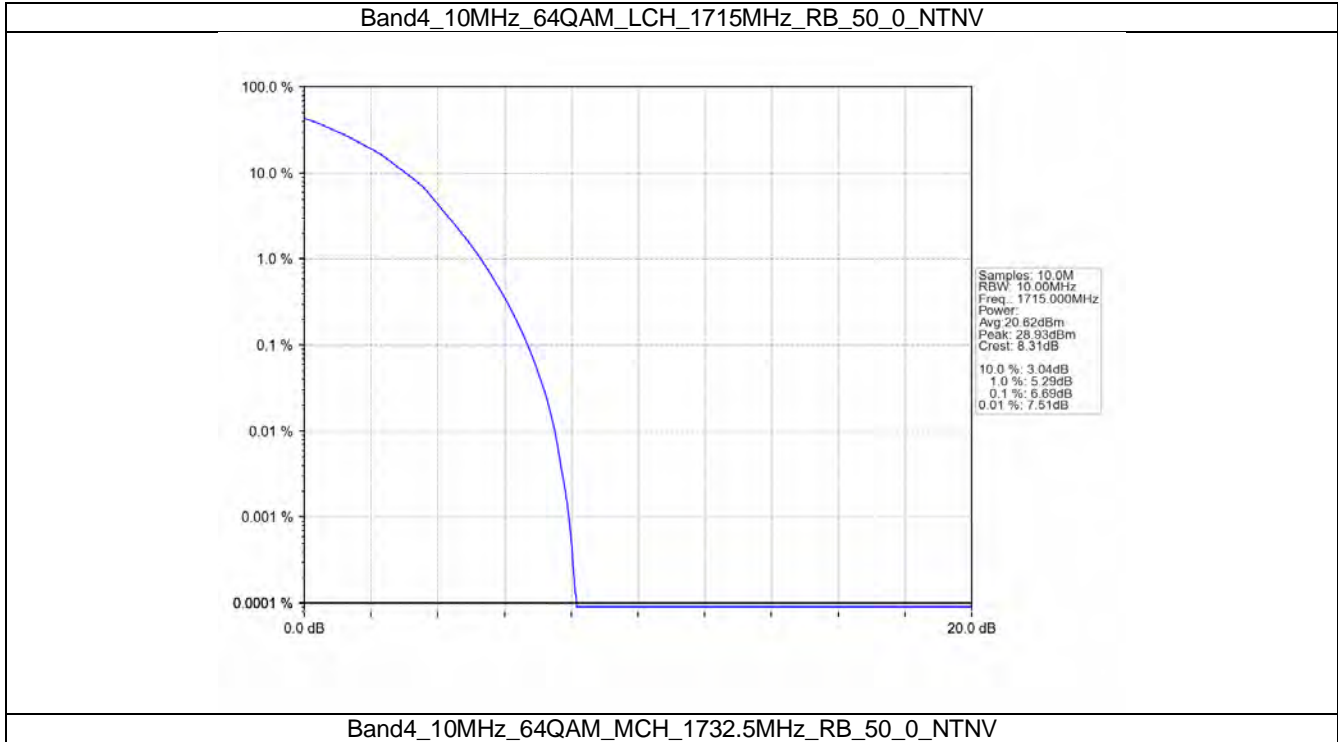


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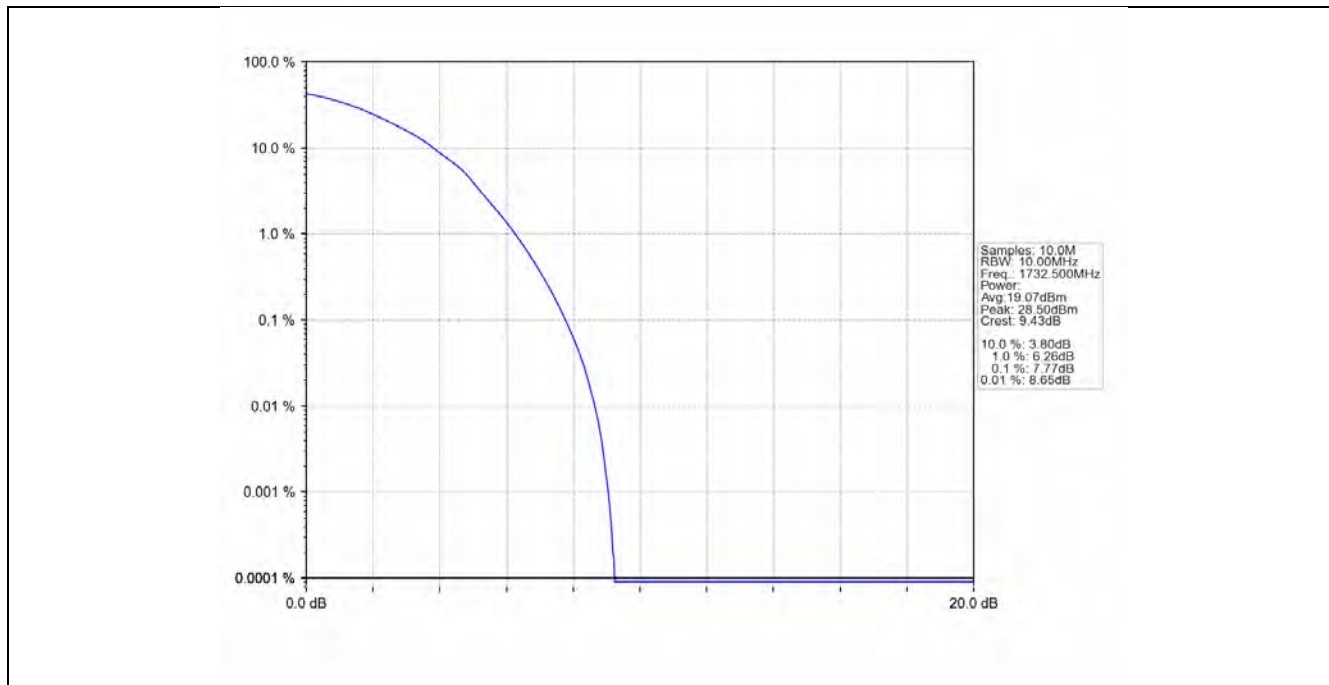
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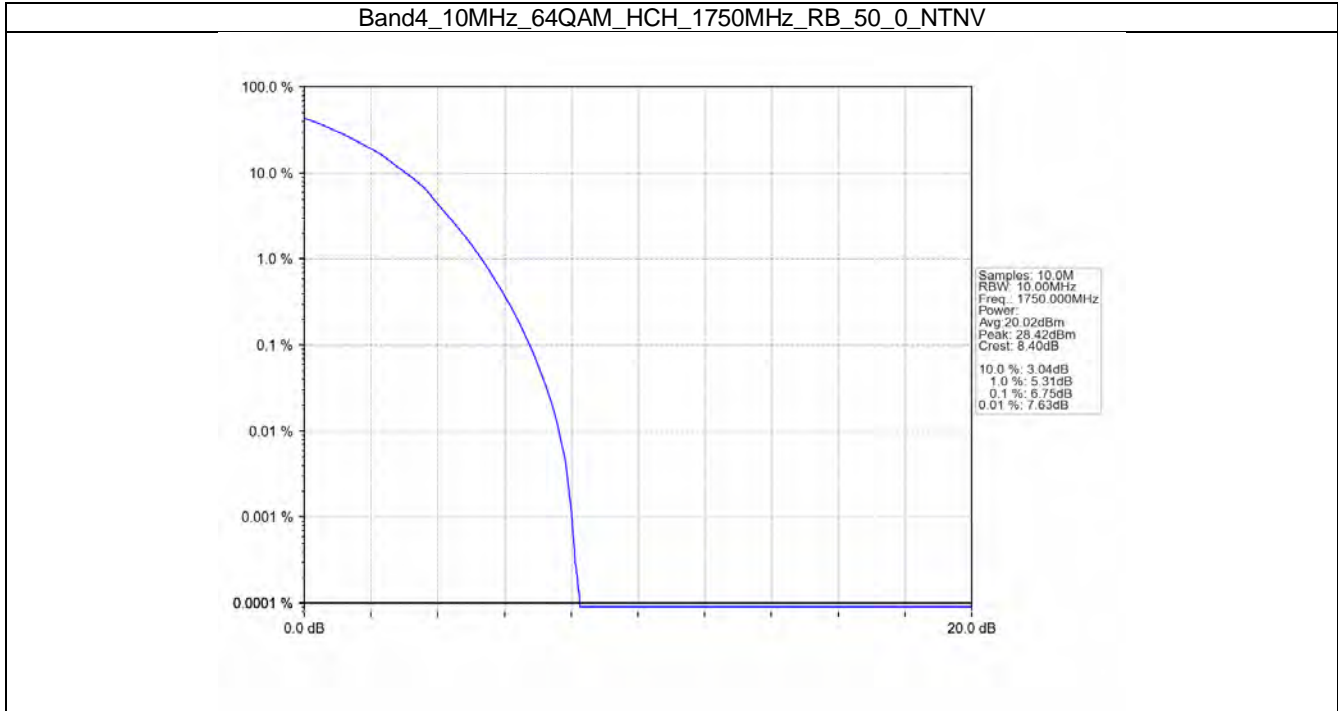


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4.5 B4_15MHz

4.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.66	<=13	Pass
	1732.5	75	0	5.79	<=13	Pass
	1747.5	75	0	5.76	<=13	Pass
16QAM	1717.5	75	0	6.37	<=13	Pass
	1732.5	75	0	6.49	<=13	Pass
	1747.5	75	0	6.46	<=13	Pass
64QAM	1717.5	75	0	6.90	<=13	Pass
	1732.5	75	0	6.74	<=13	Pass
	1747.5	75	0	6.76	<=13	Pass



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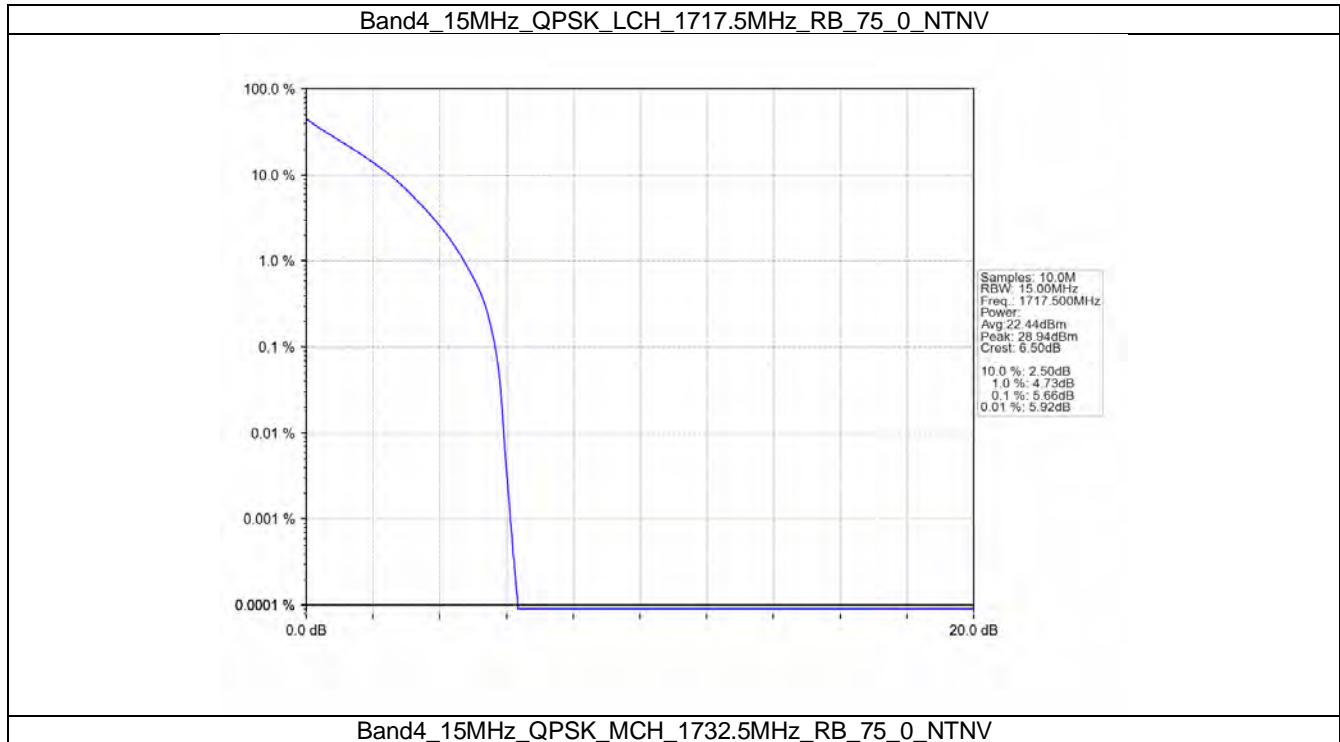
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4.5.2 Test Graph



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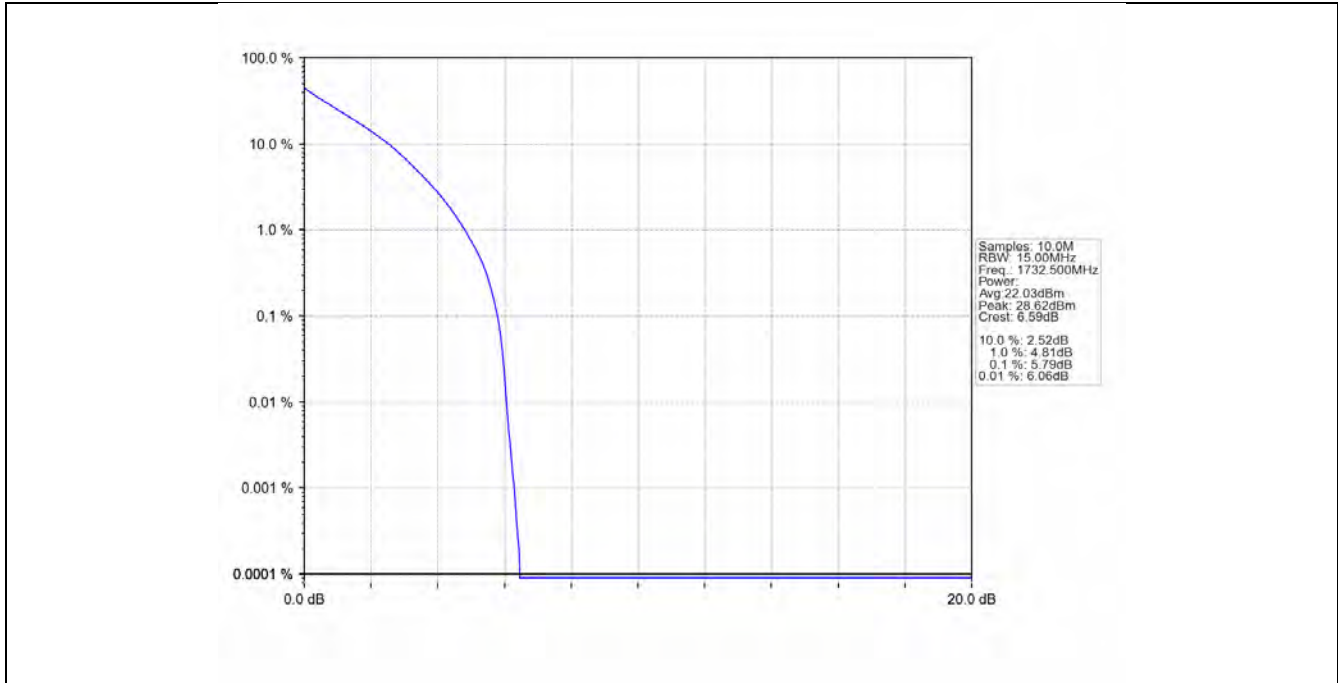


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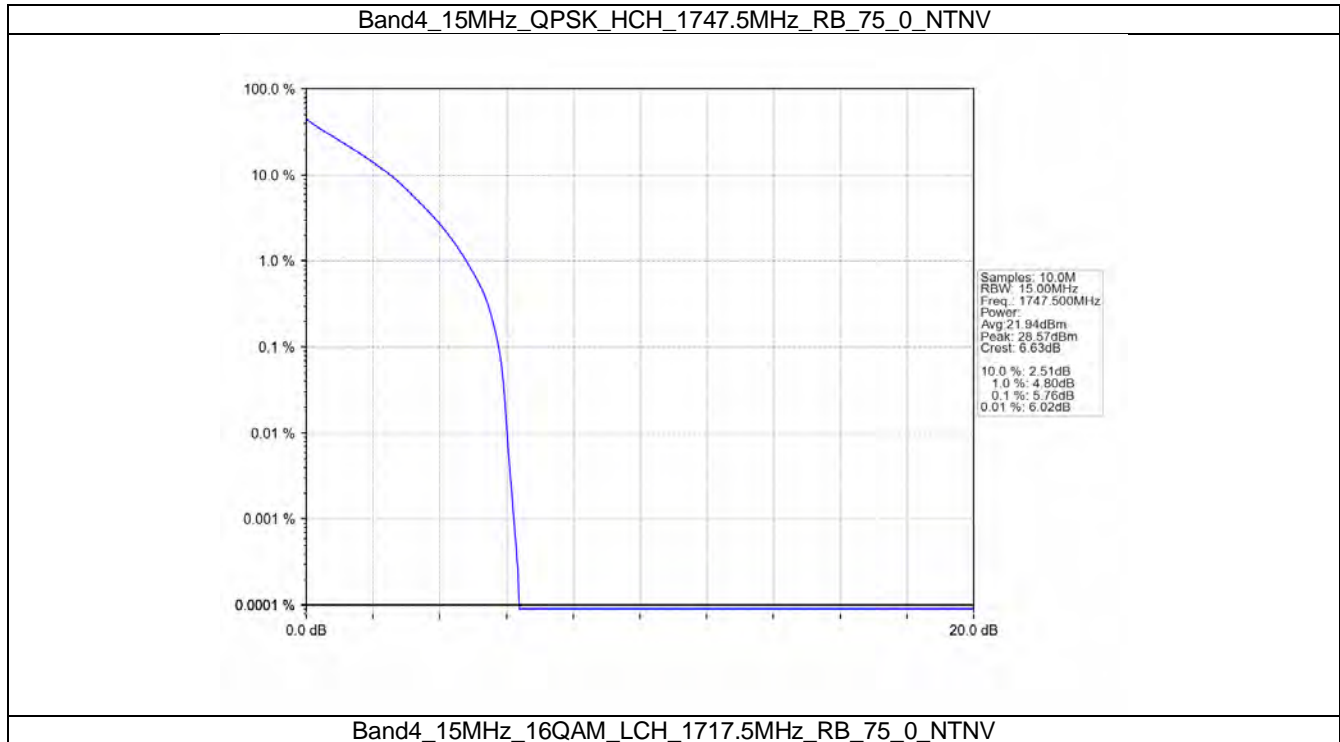


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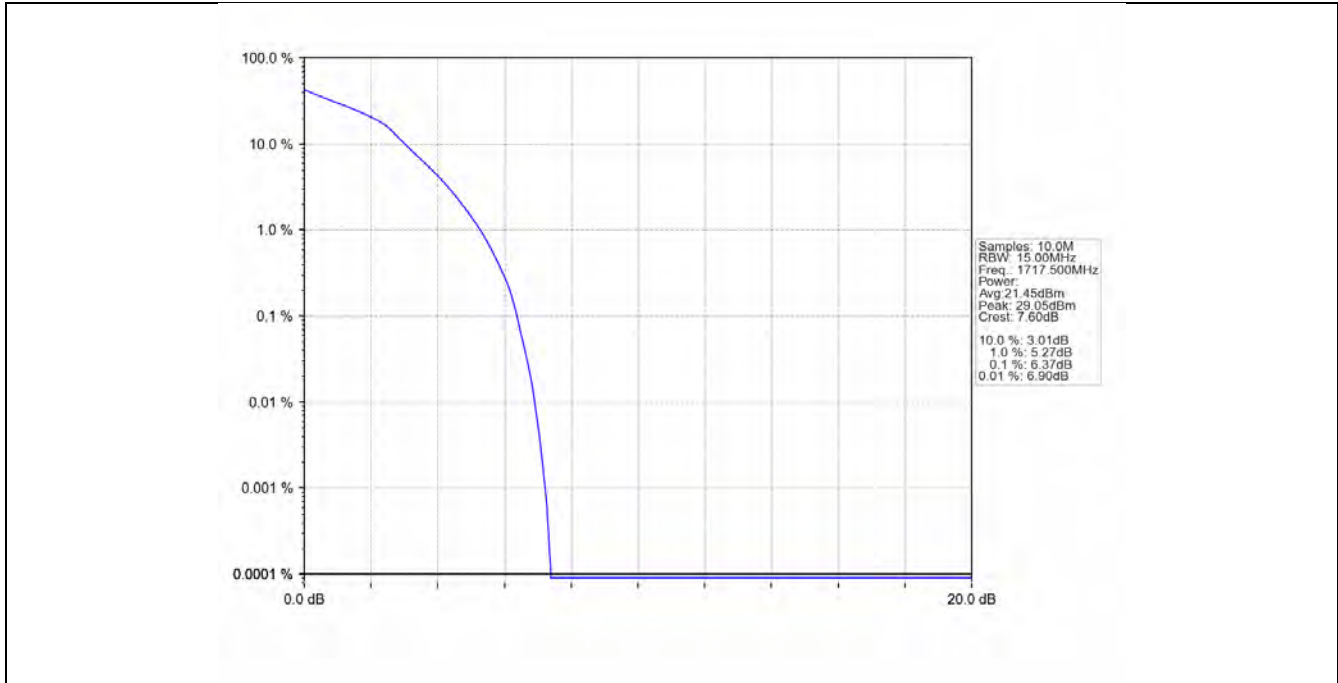


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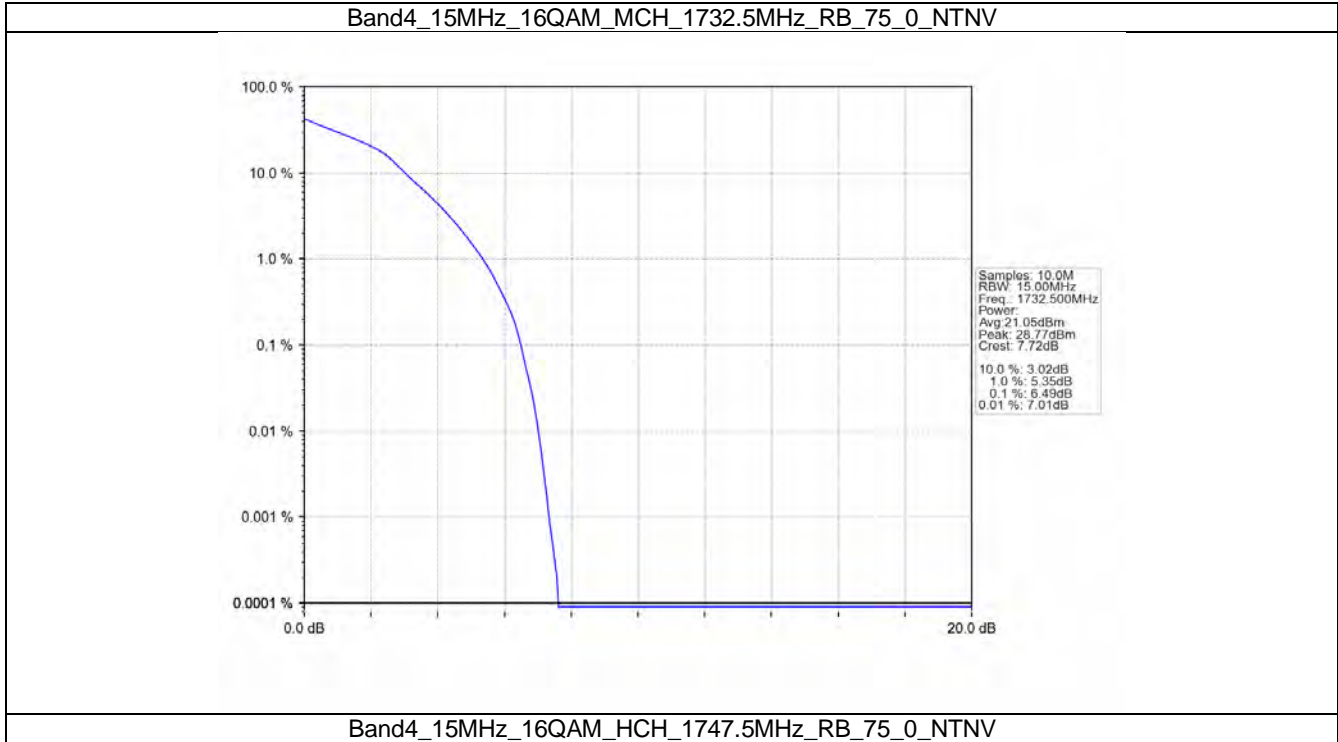


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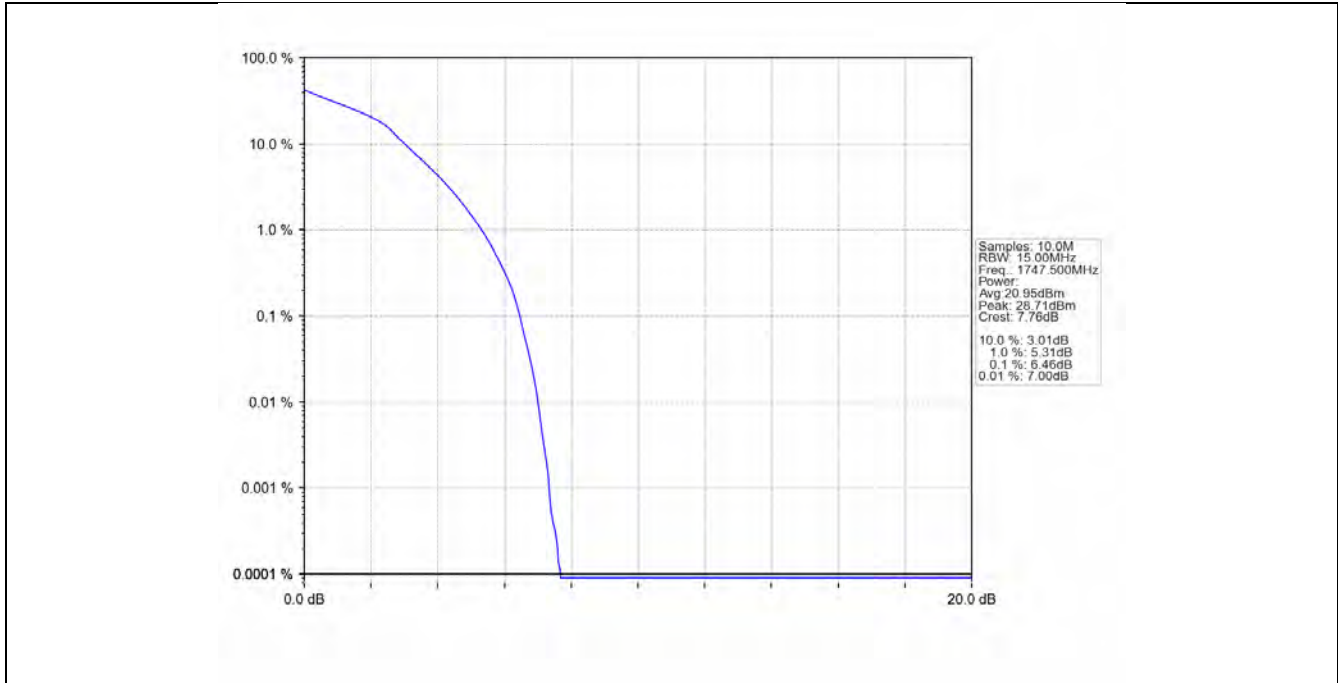


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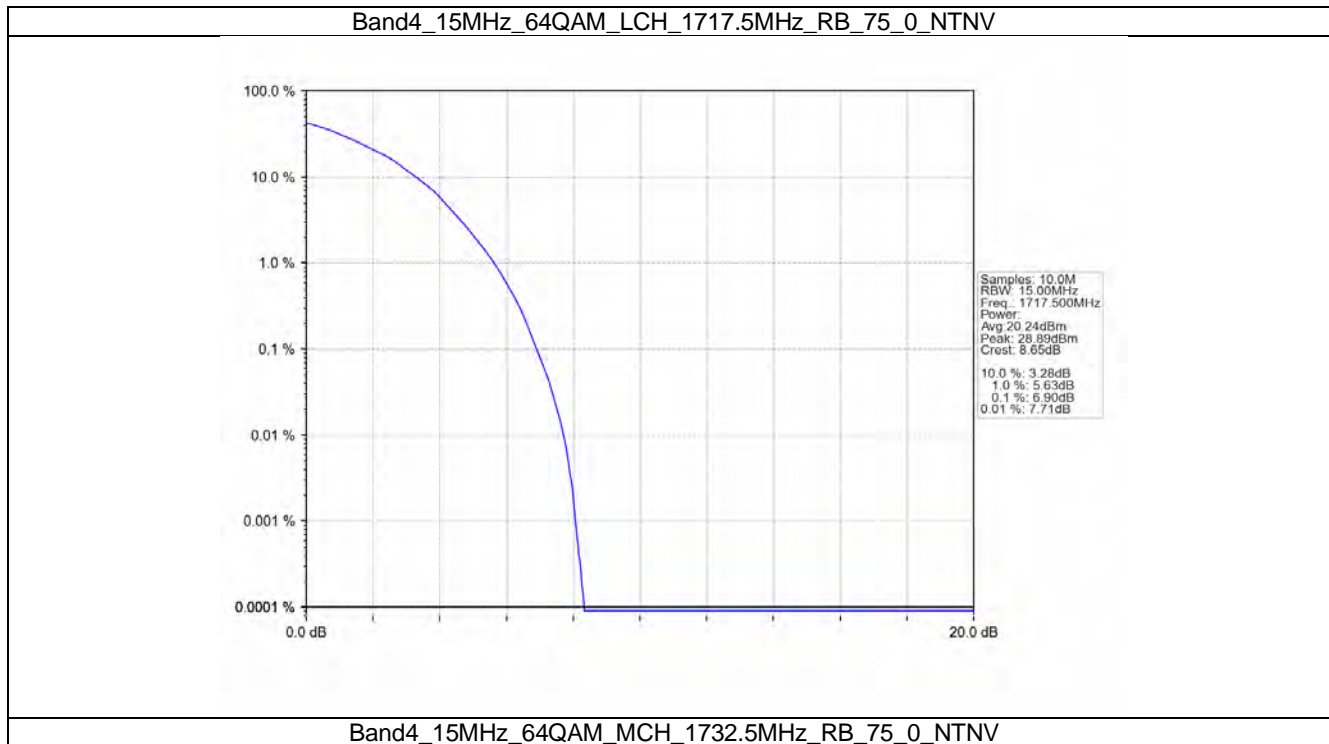
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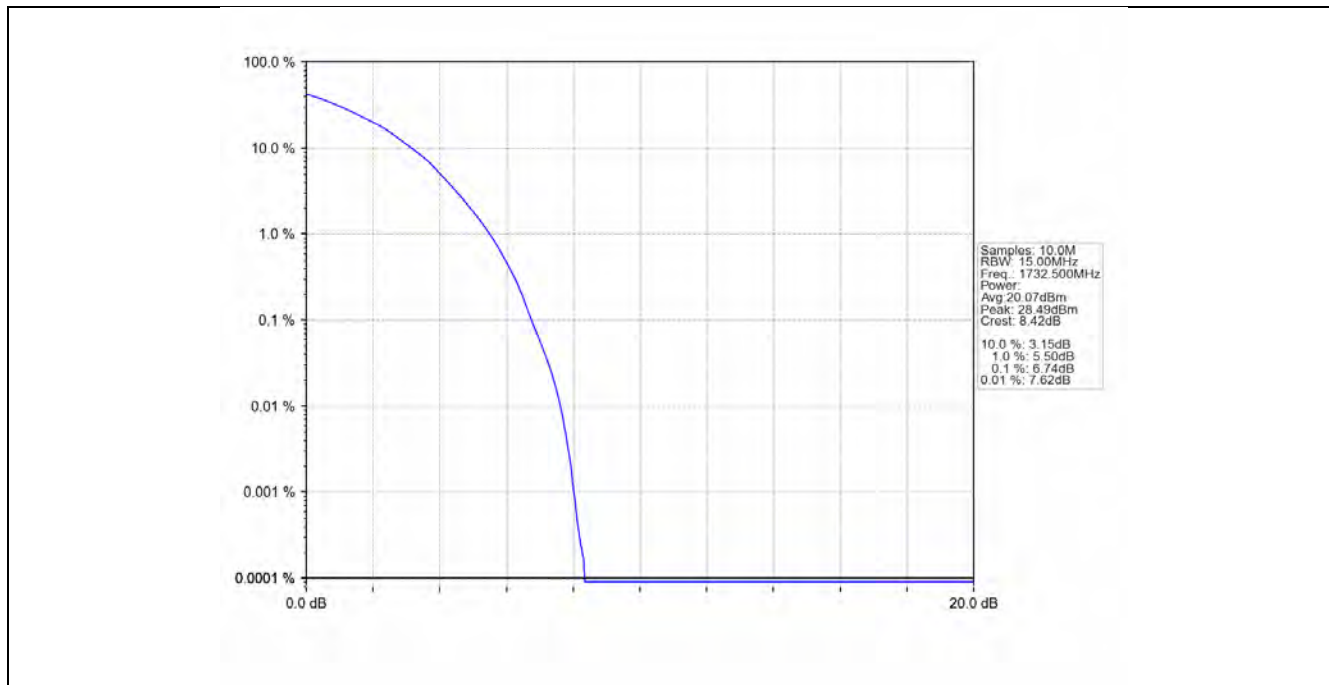
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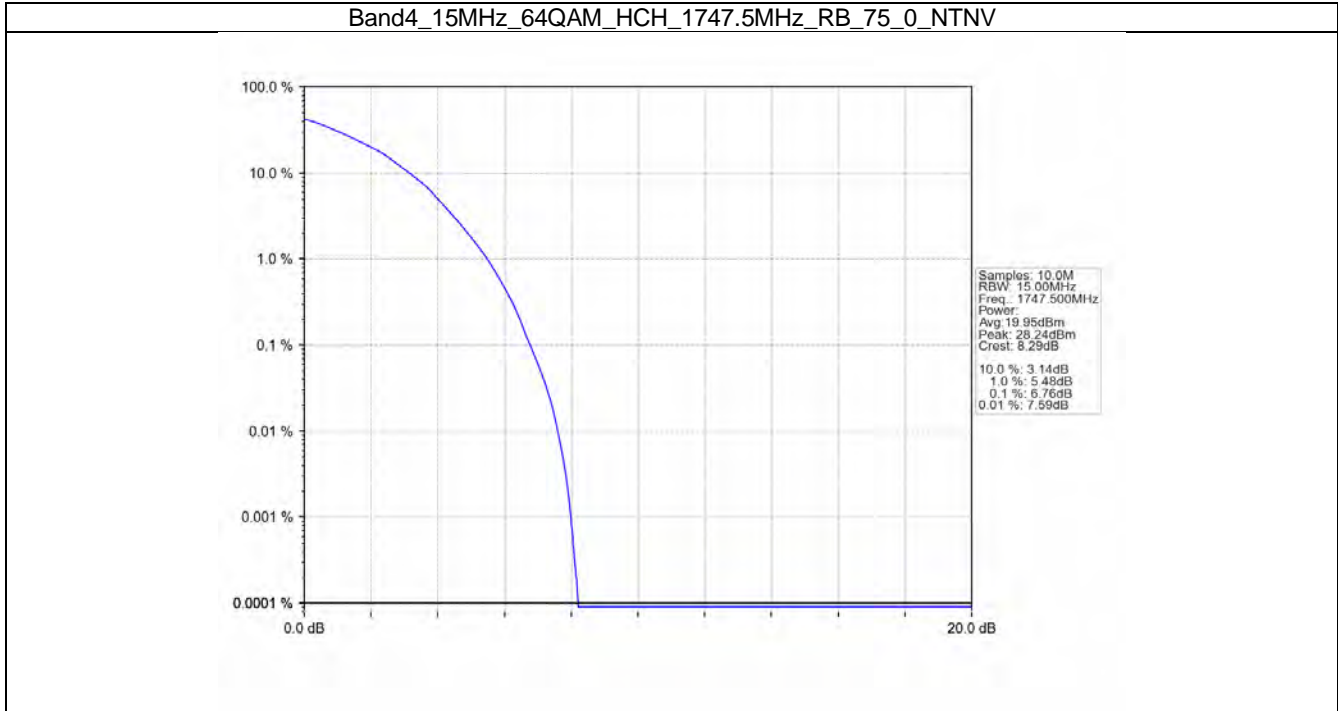
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4.6 B4_20MHz

4.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.44	<=13	Pass
	1732.5	100	0	5.58	<=13	Pass
	1745	100	0	5.57	<=13	Pass
16QAM	1720	100	0	6.30	<=13	Pass
	1732.5	100	0	6.43	<=13	Pass
	1745	100	0	6.41	<=13	Pass
64QAM	1720	100	0	6.66	<=13	Pass
	1732.5	100	0	6.74	<=13	Pass
	1745	100	0	6.75	<=13	Pass



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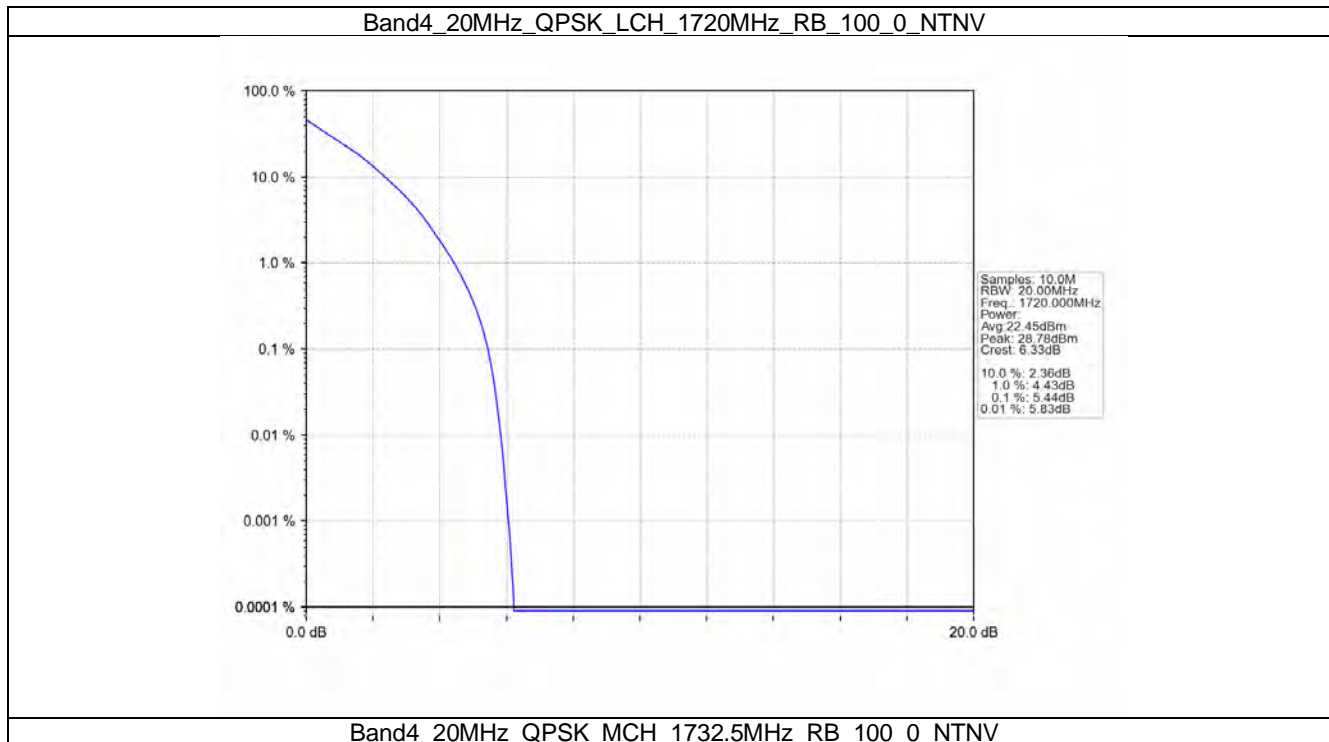
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4.6.2 Test Graph



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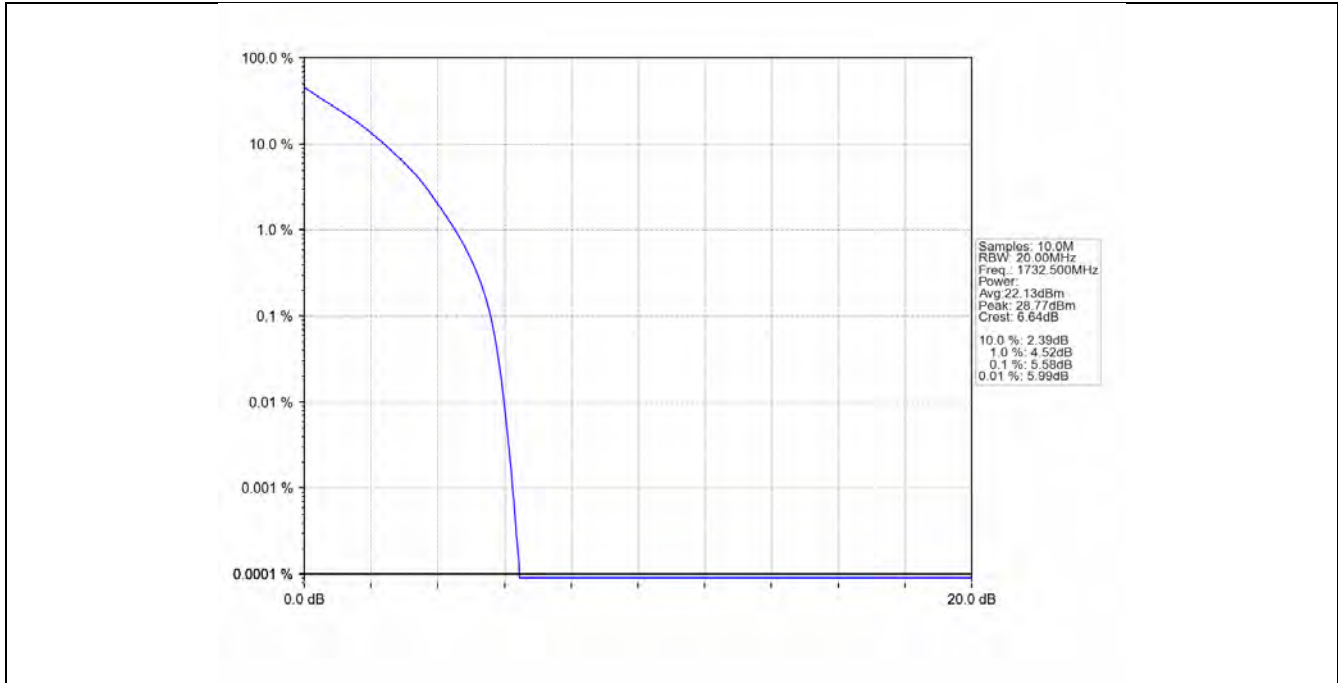


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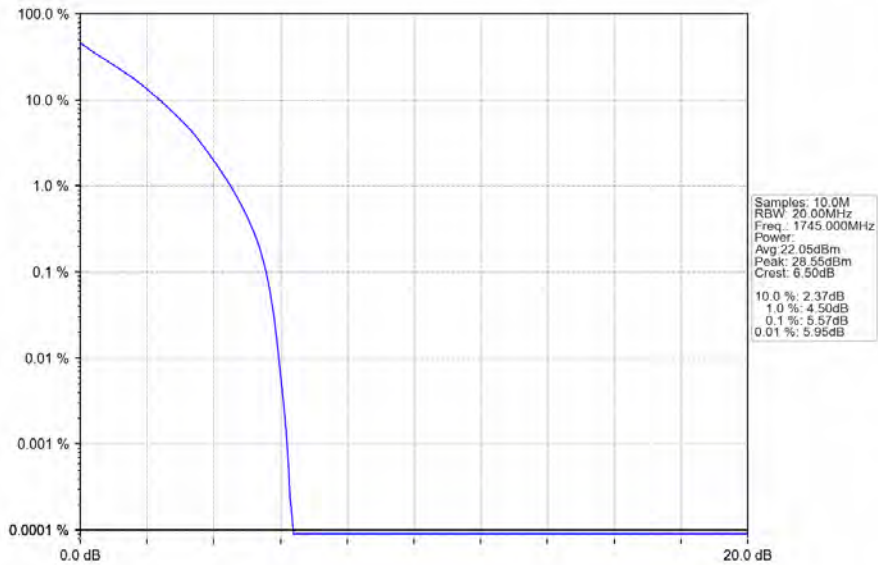
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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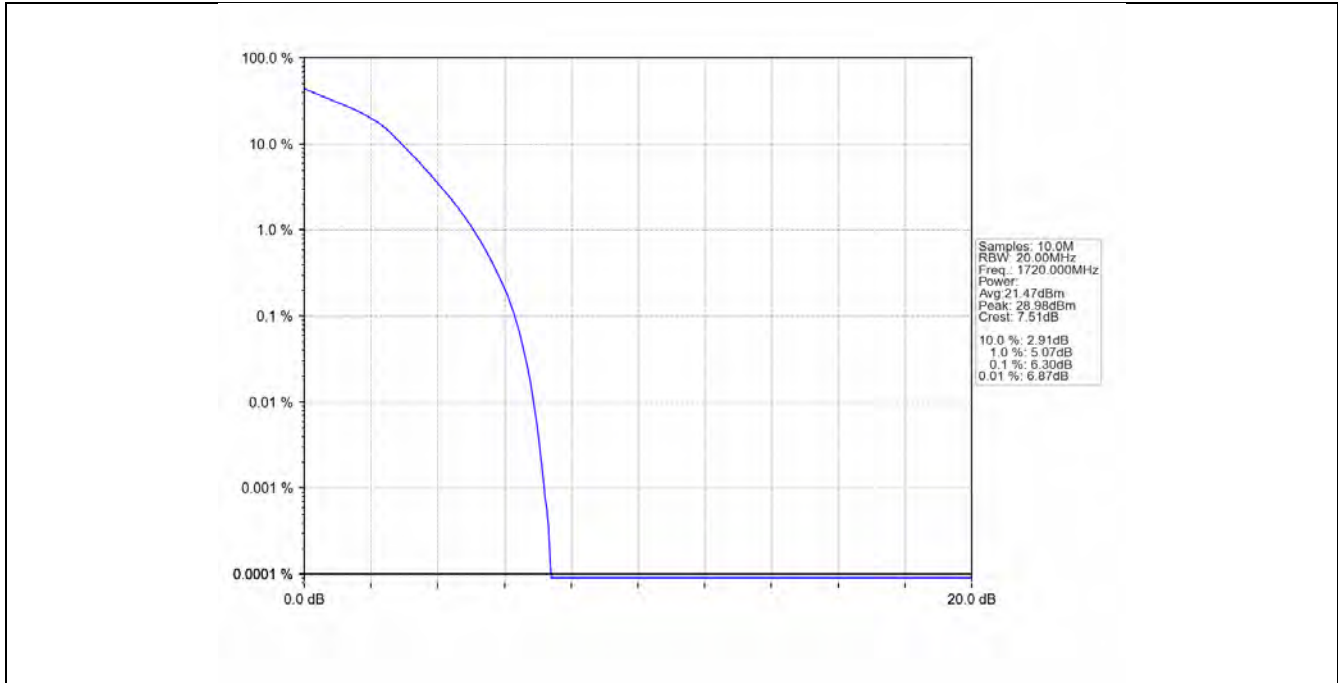


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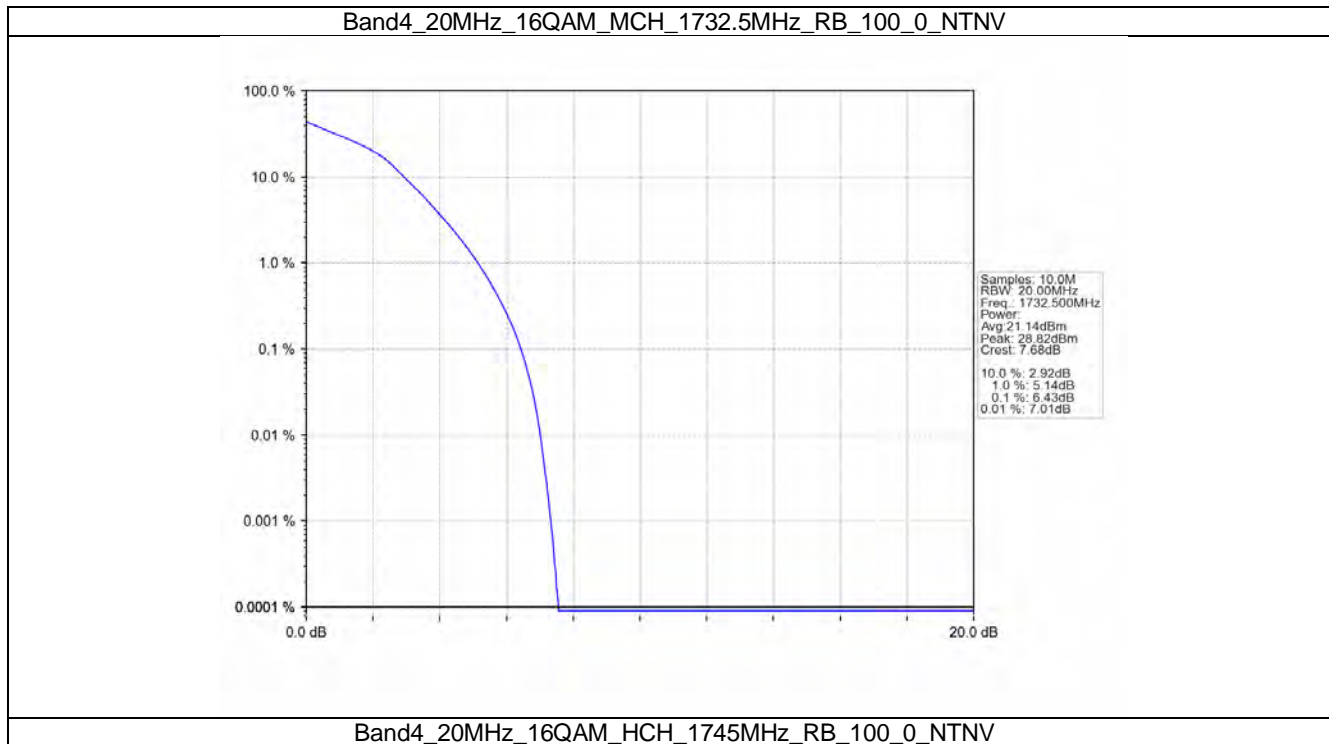
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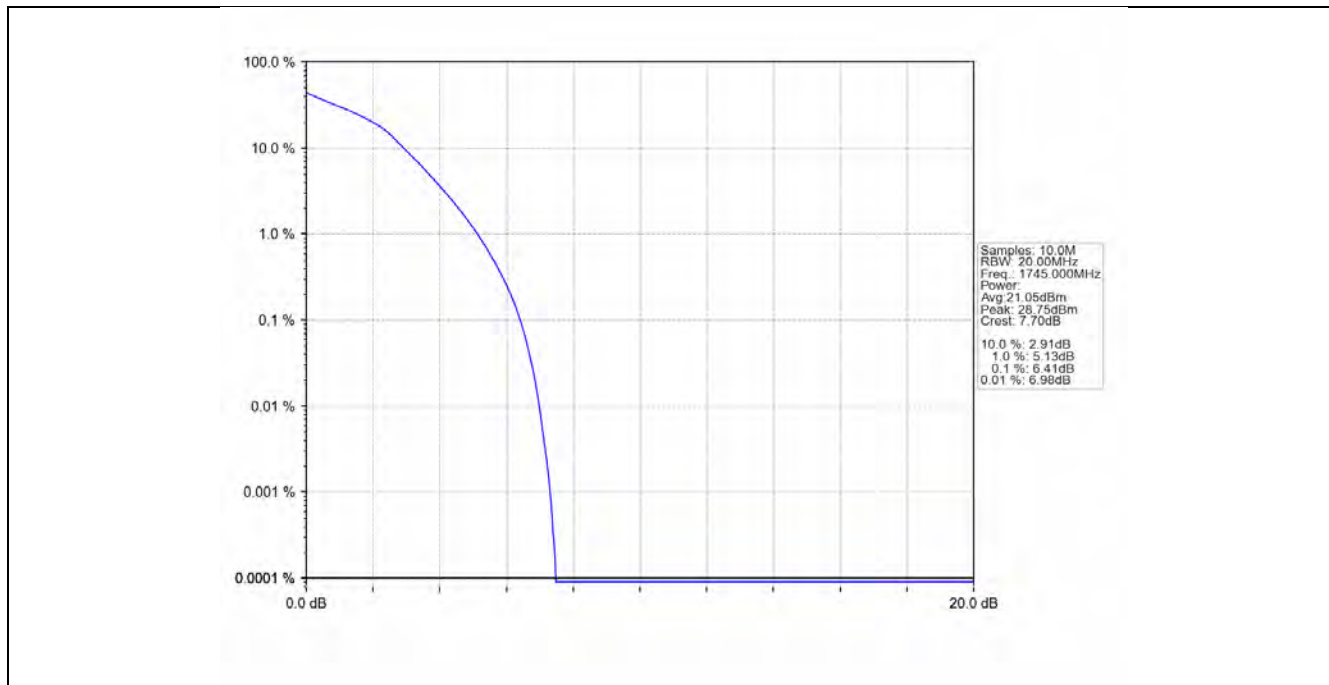
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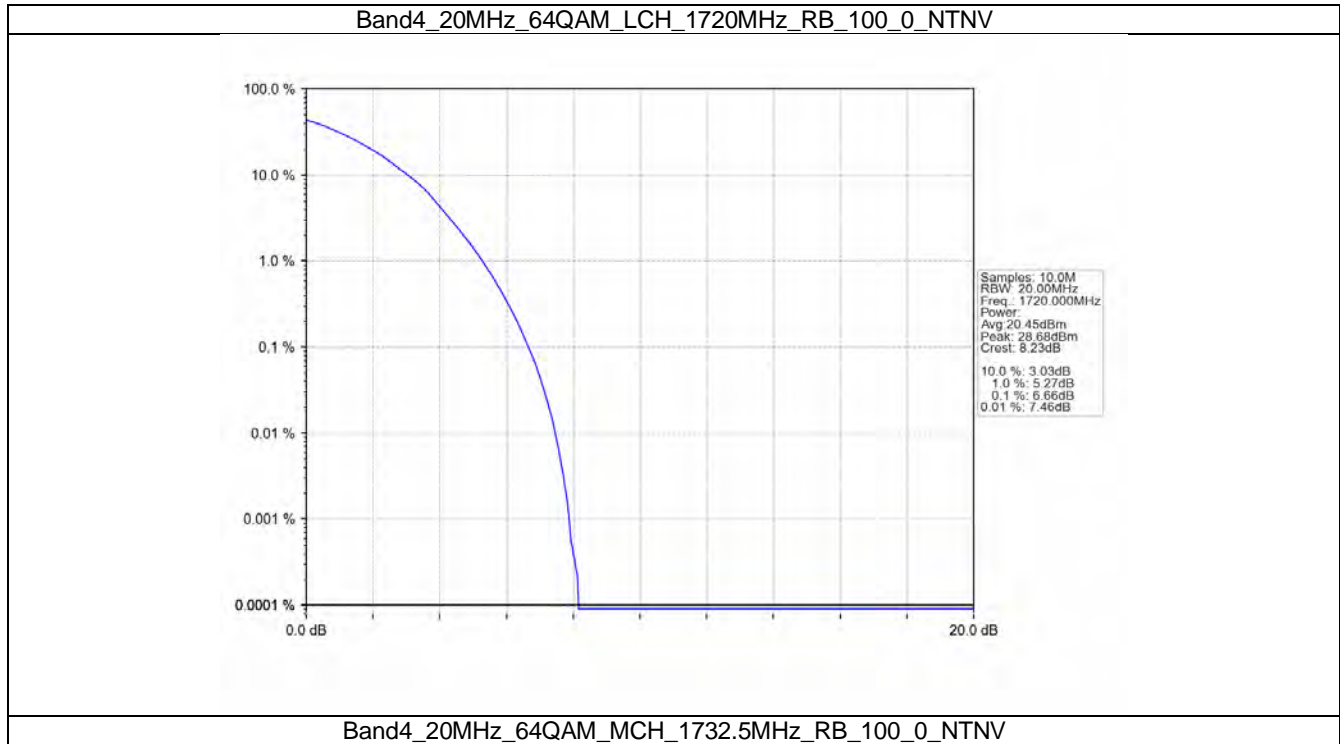
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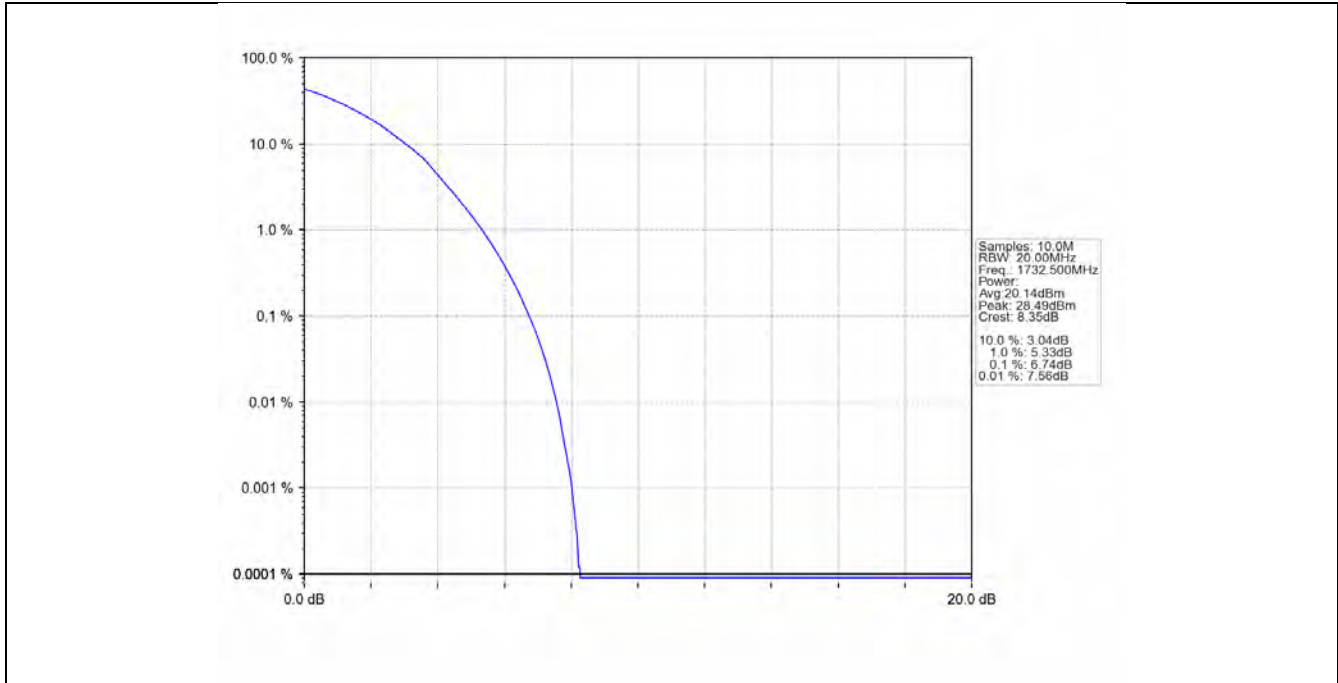


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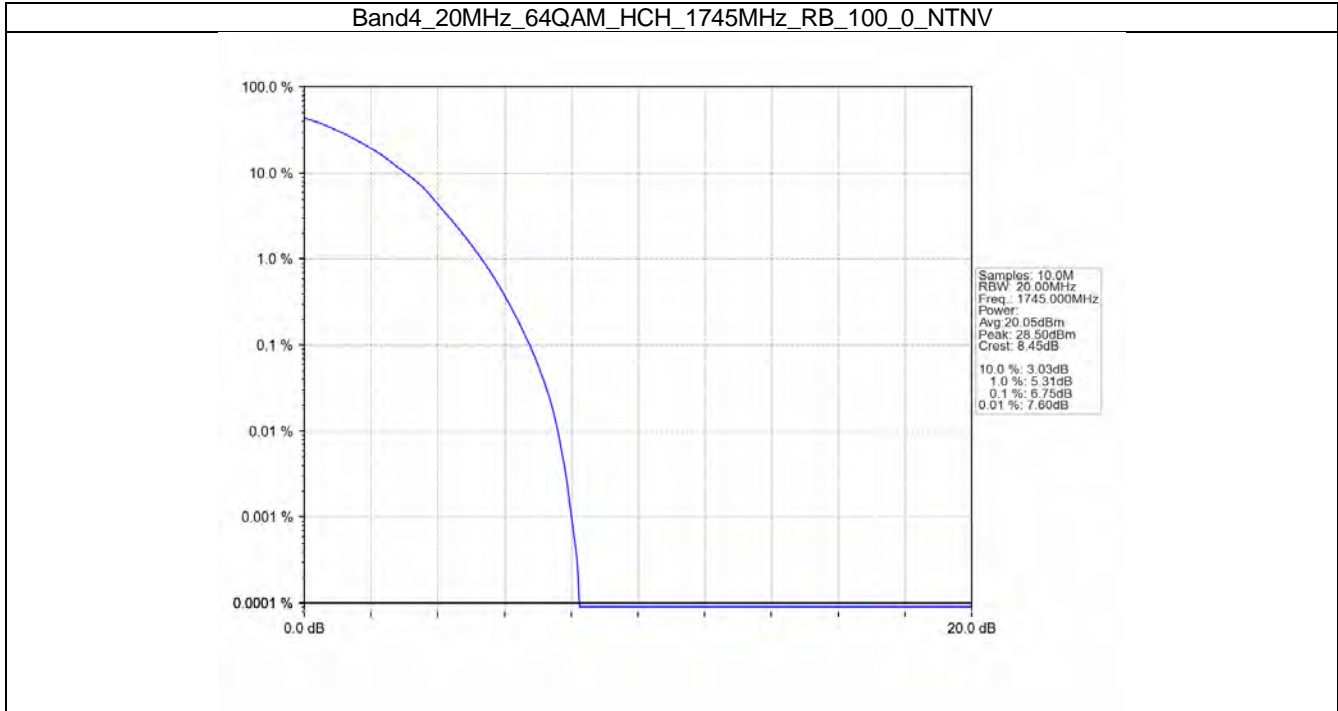


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5. Spurious Emission & Band Edges

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
	1754.3		5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
	1754.3		5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
	1754.3		5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass



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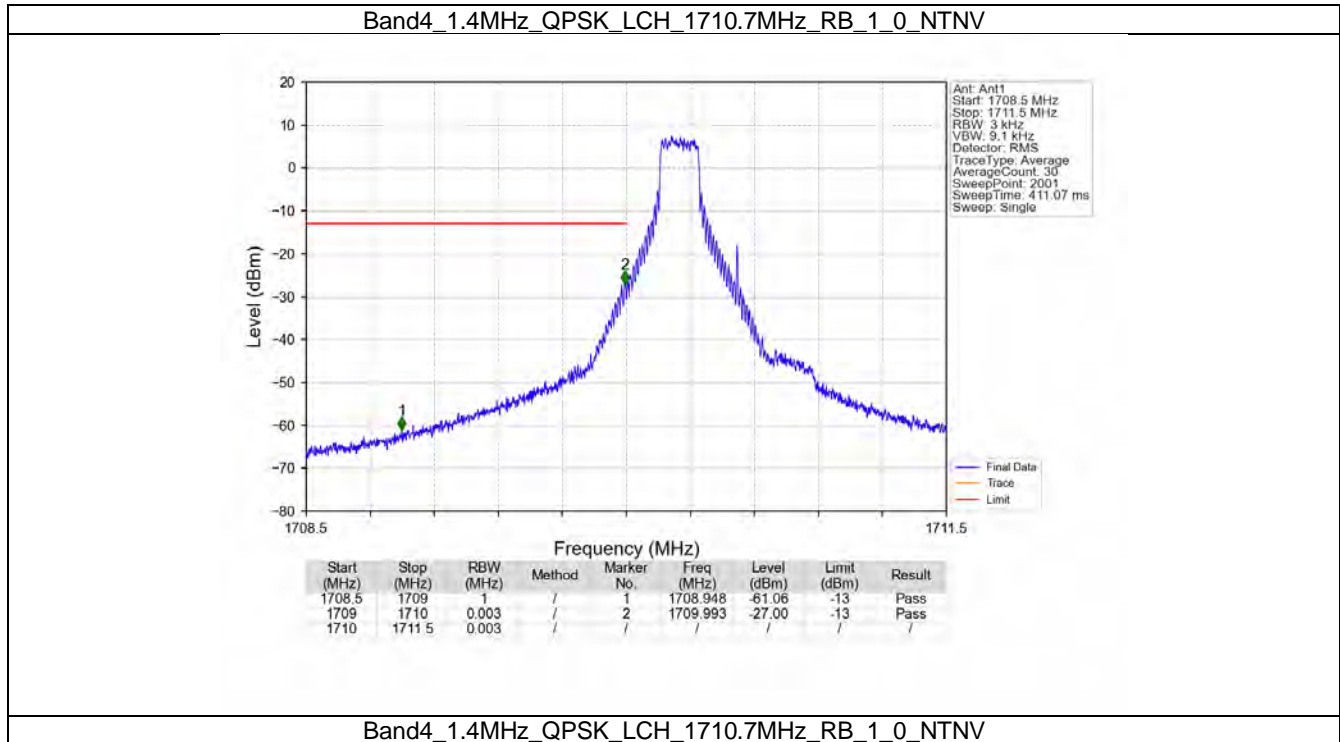
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5.1.2 Test Graph



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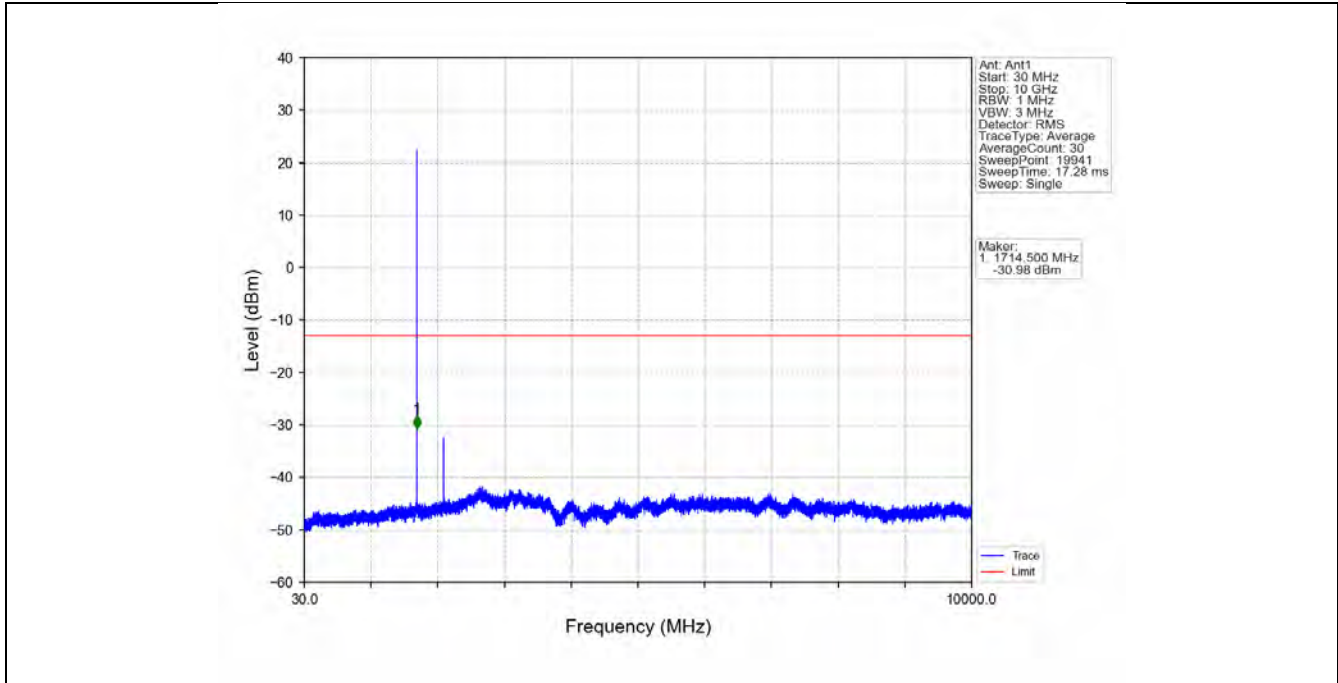


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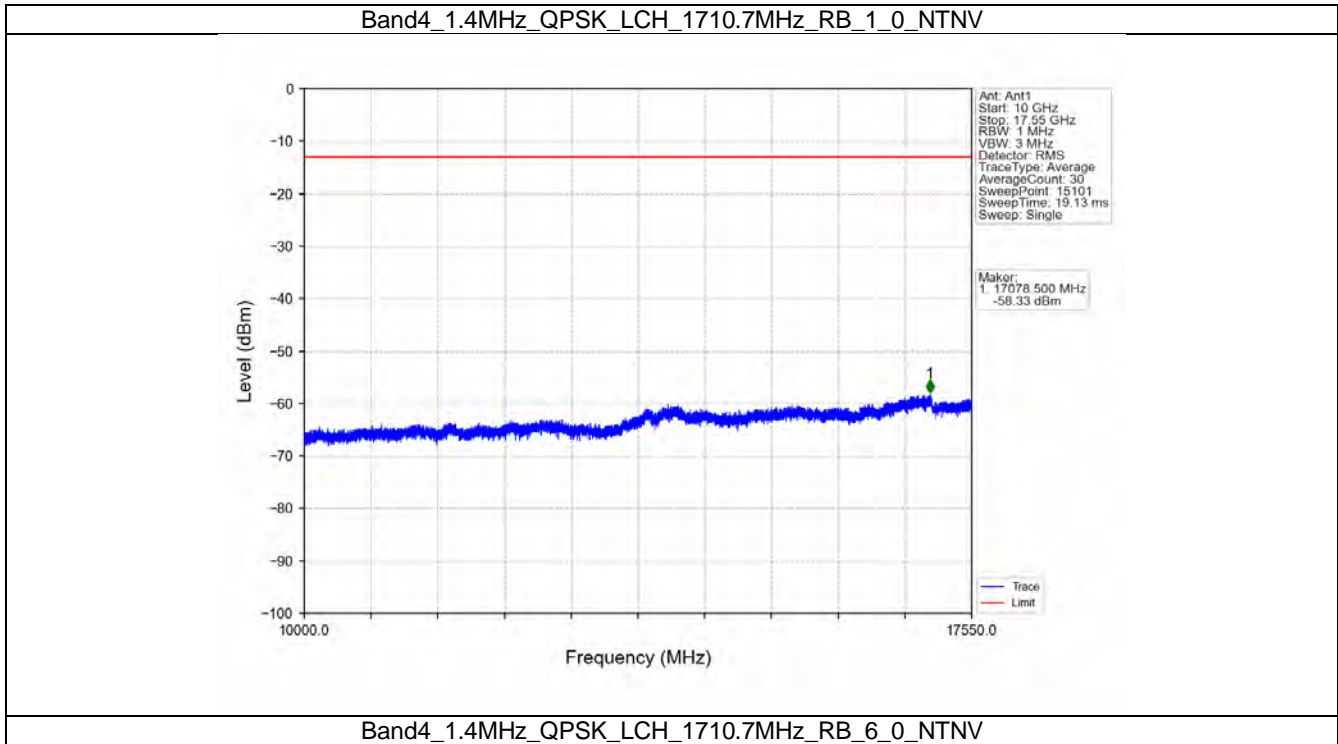


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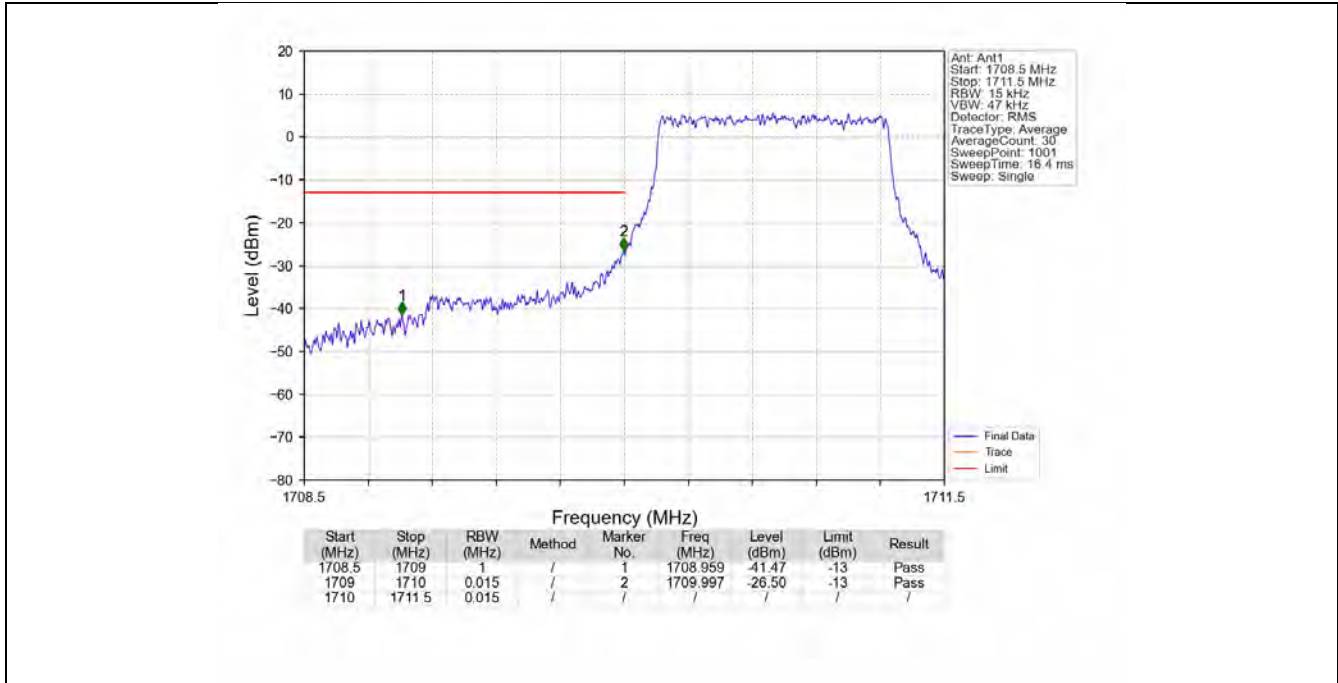


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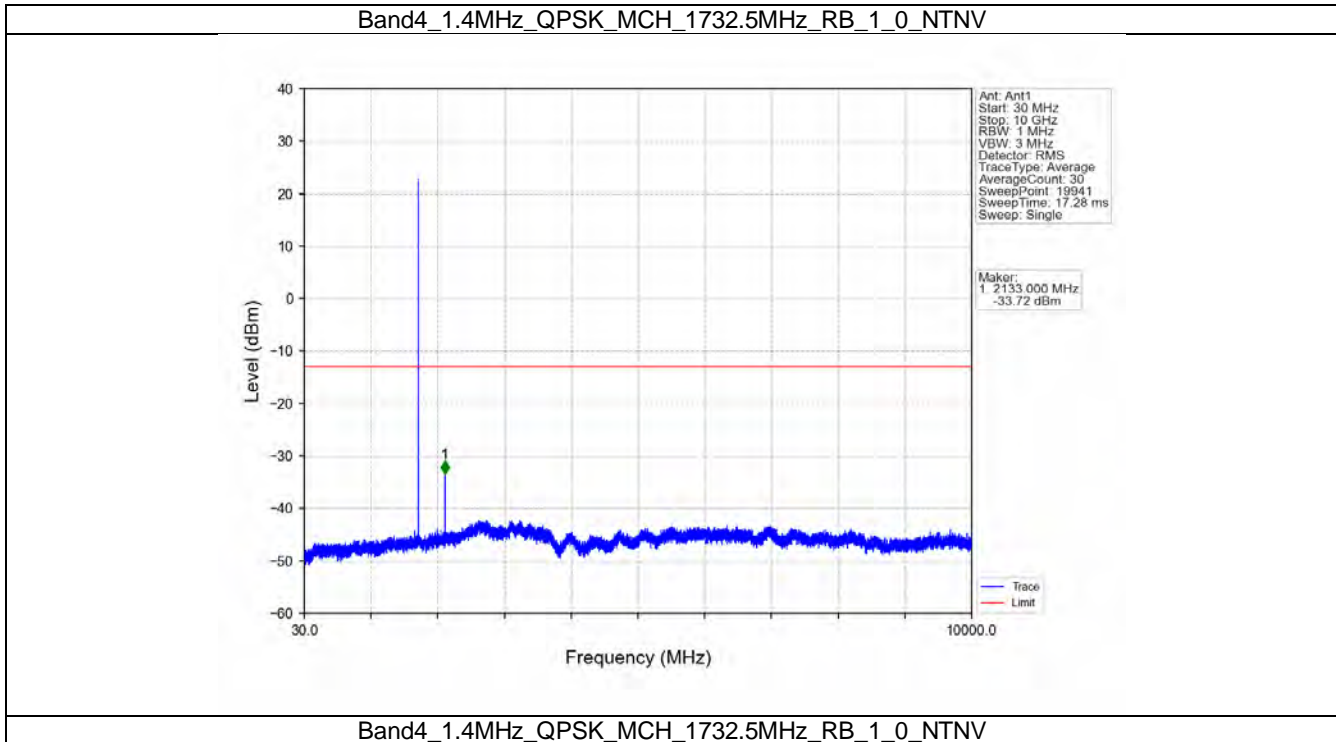


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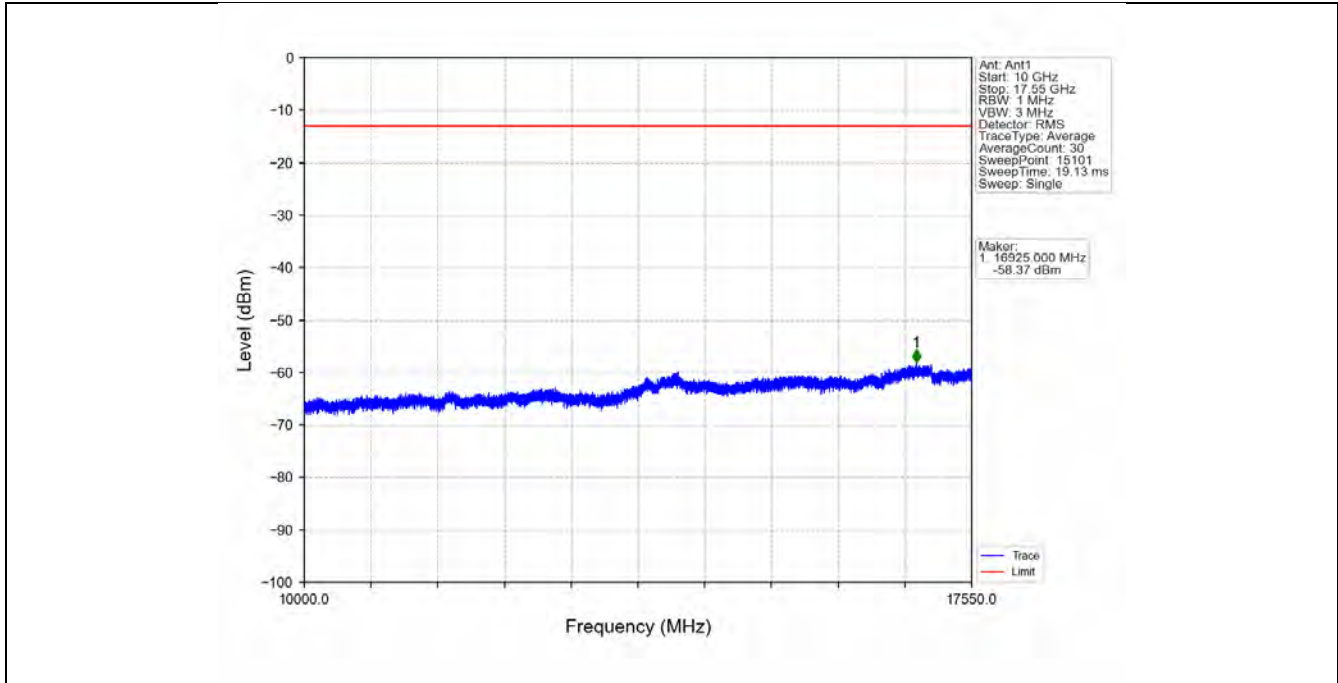


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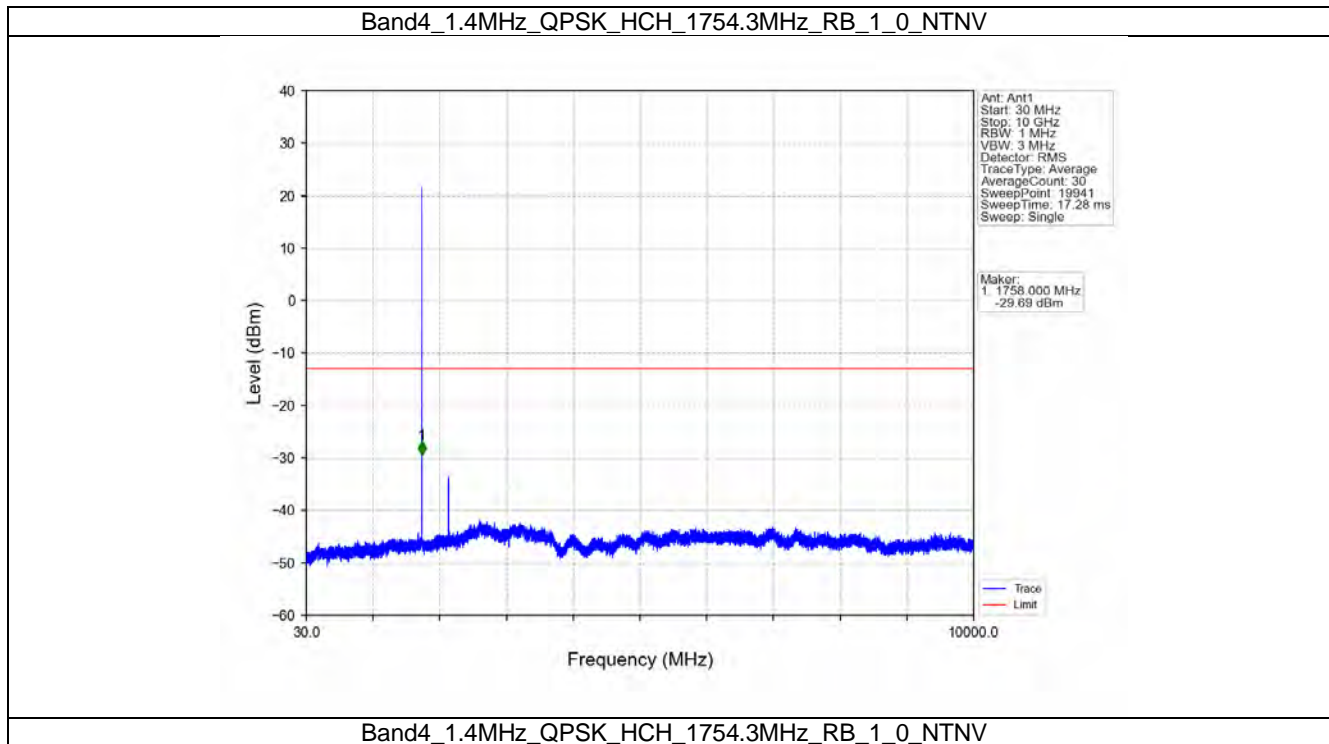
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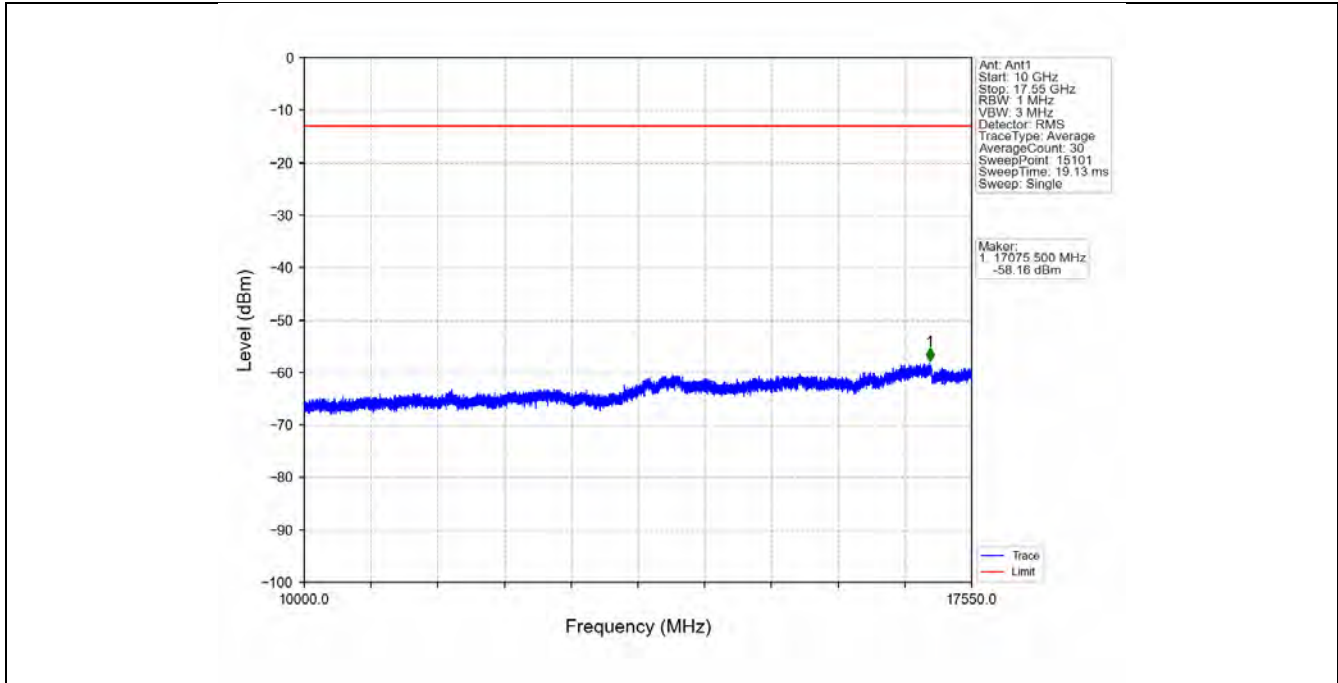


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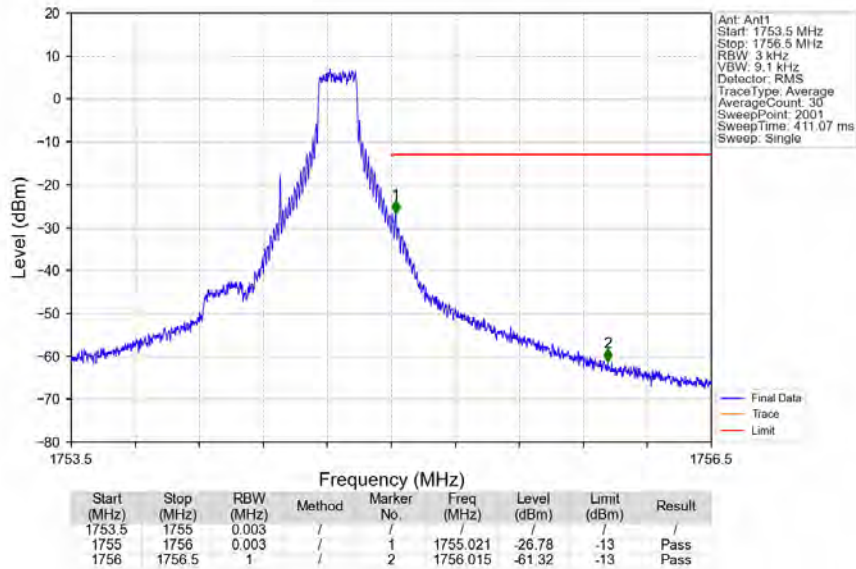
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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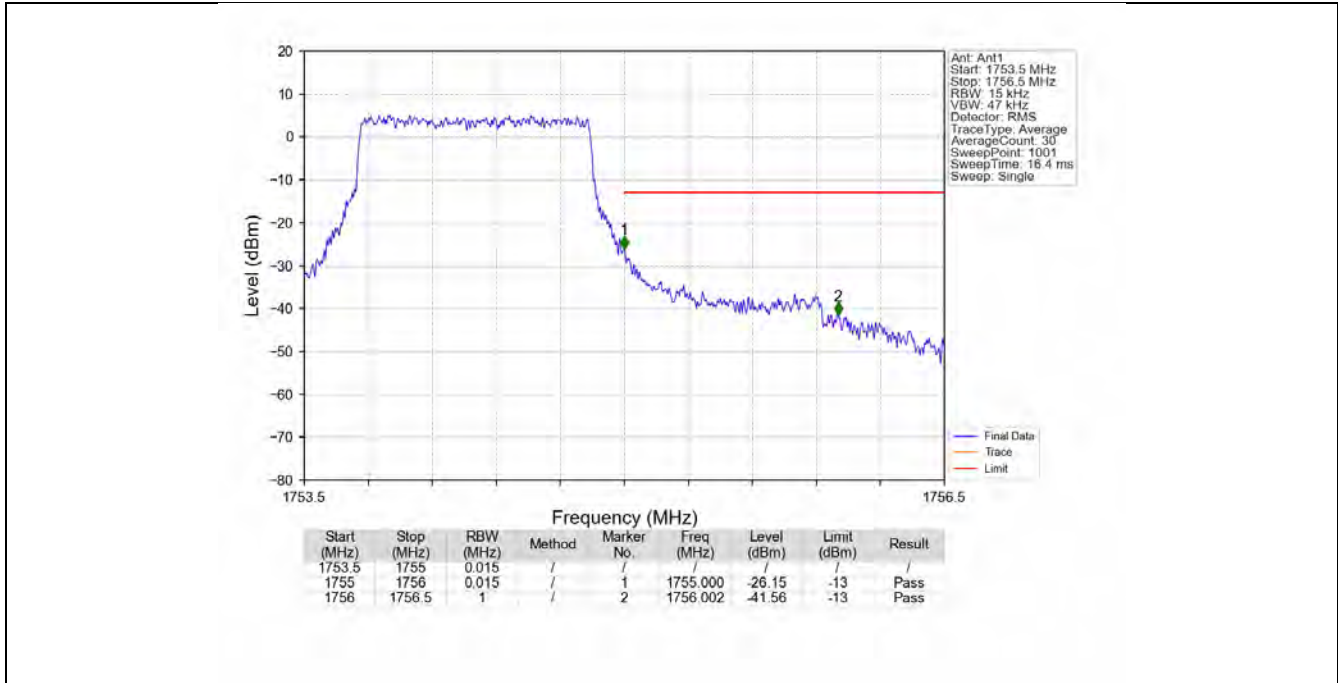


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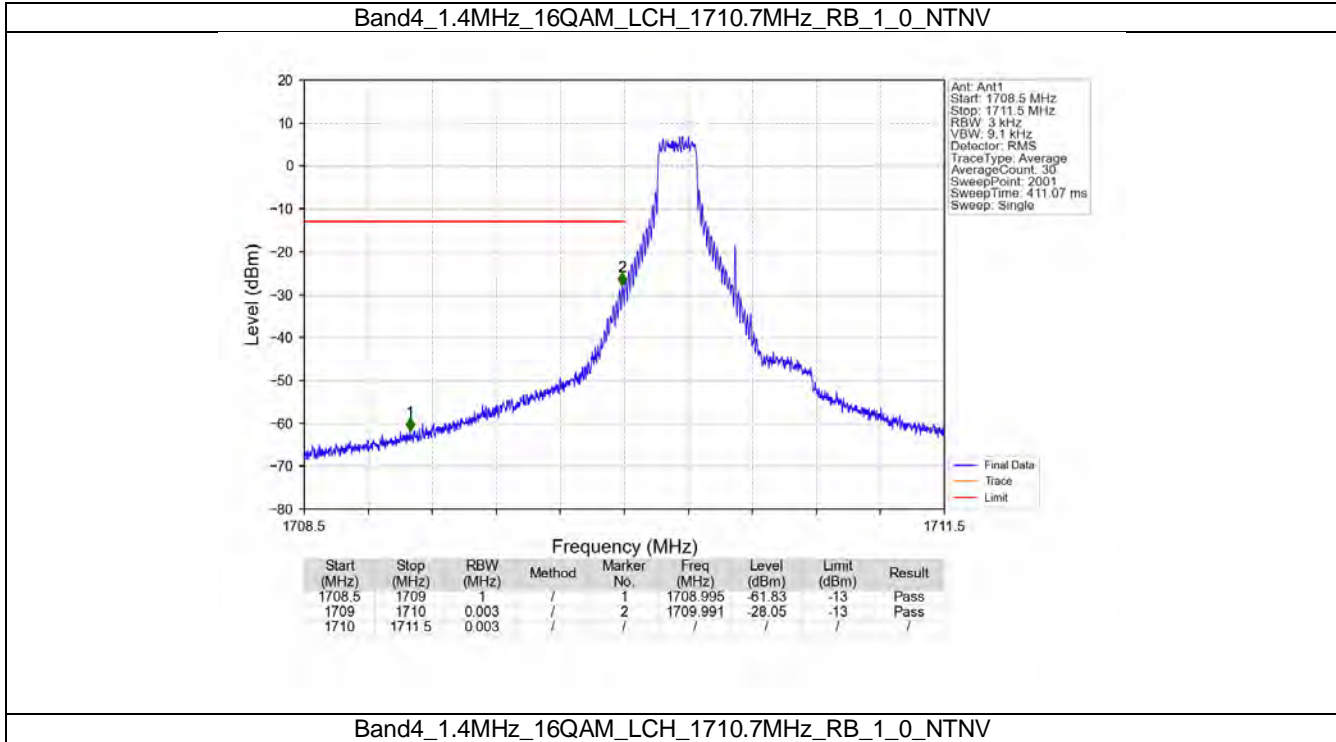


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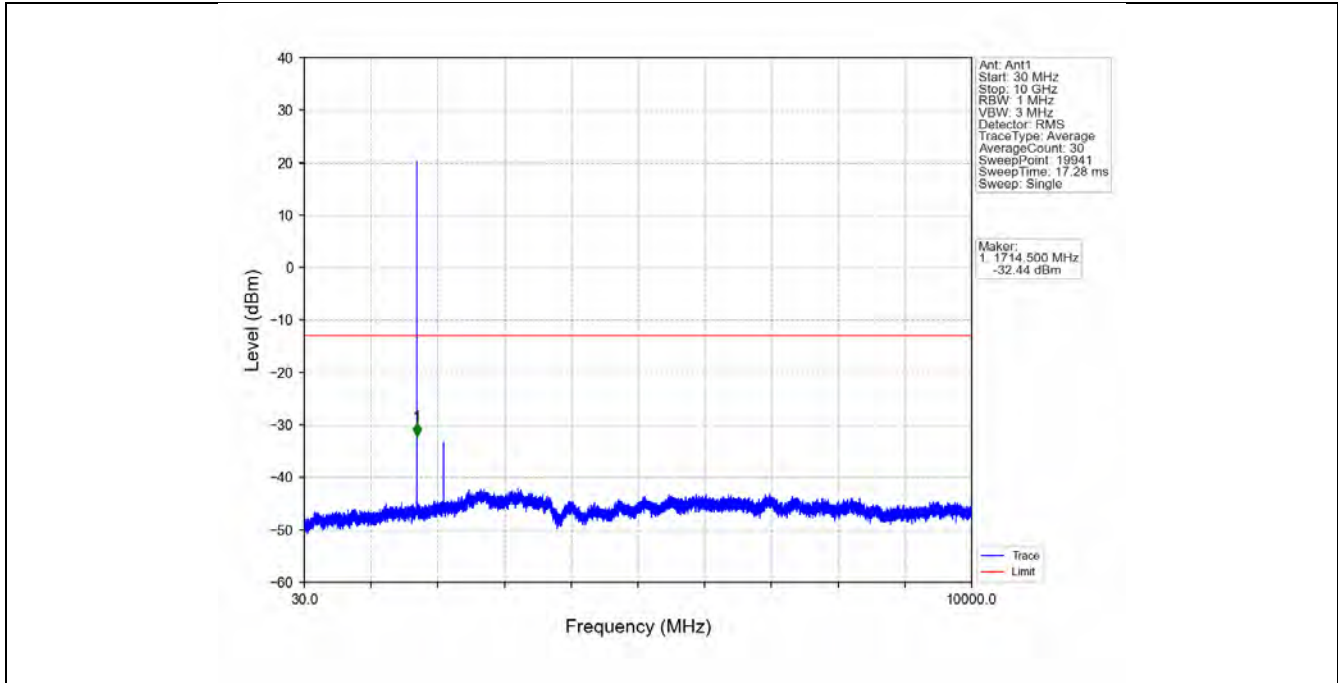


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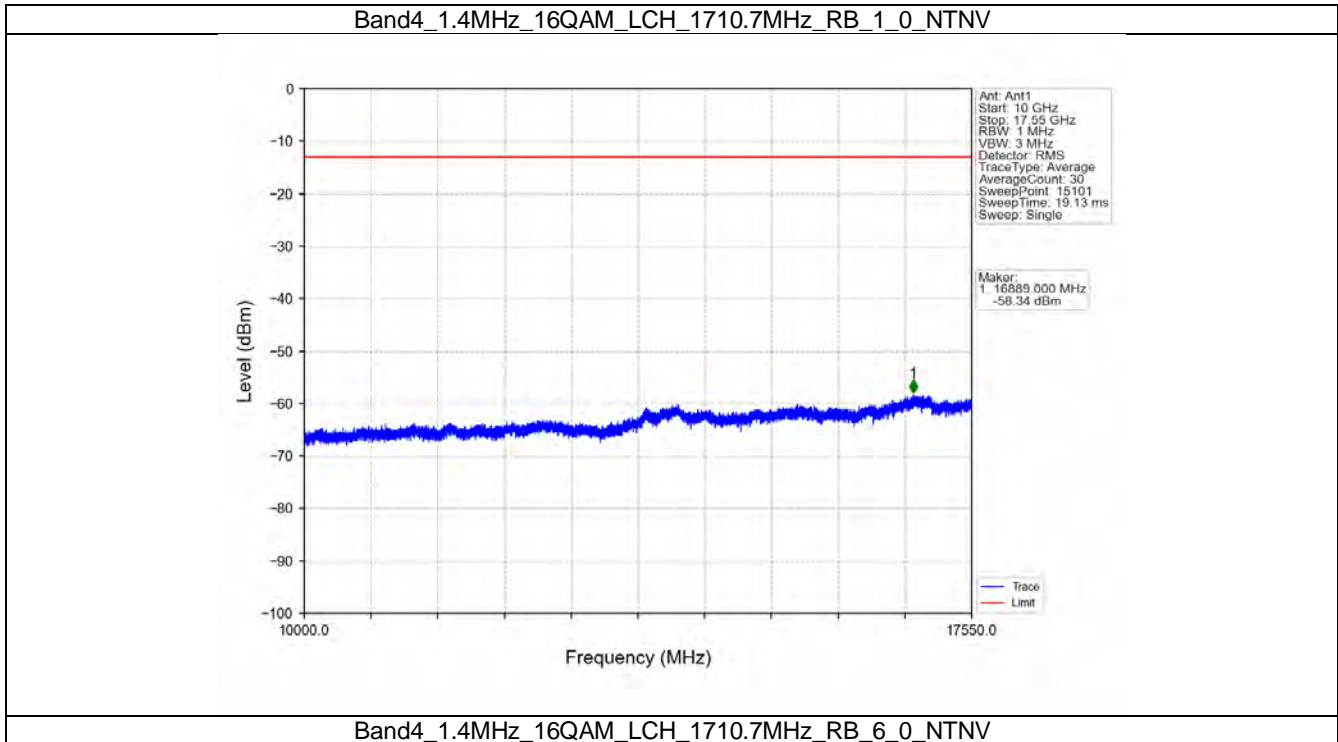


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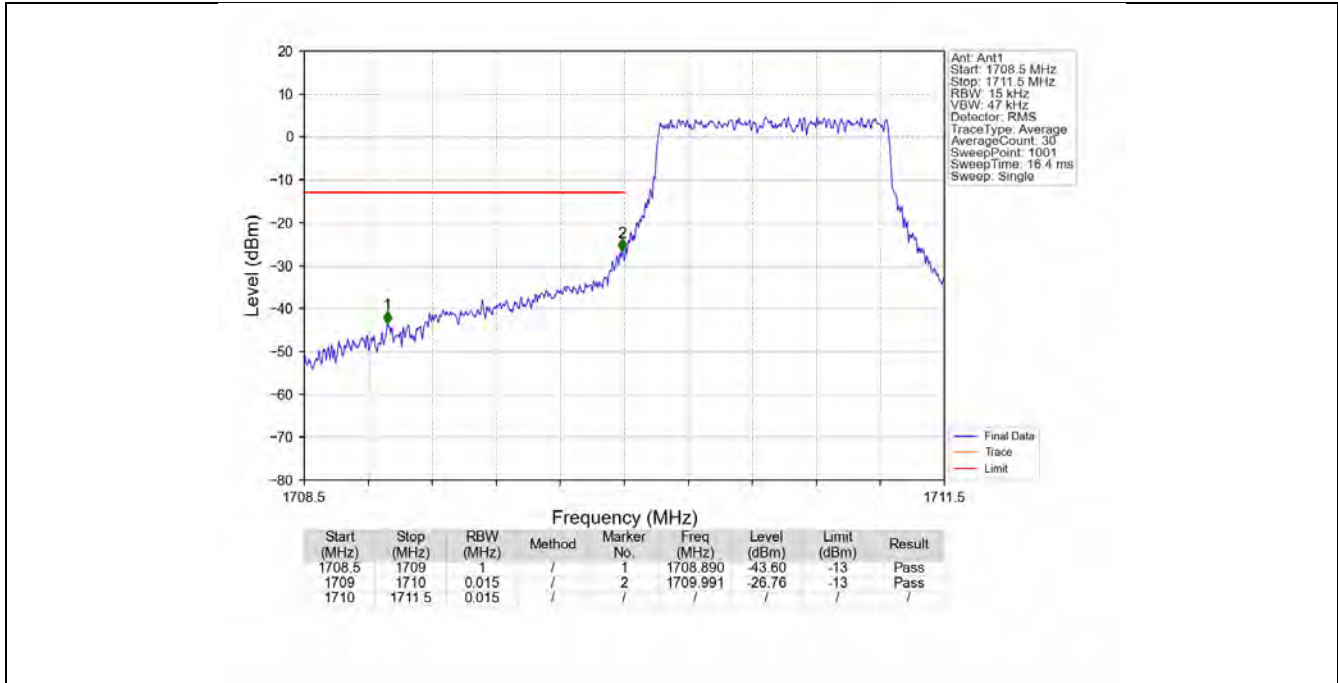


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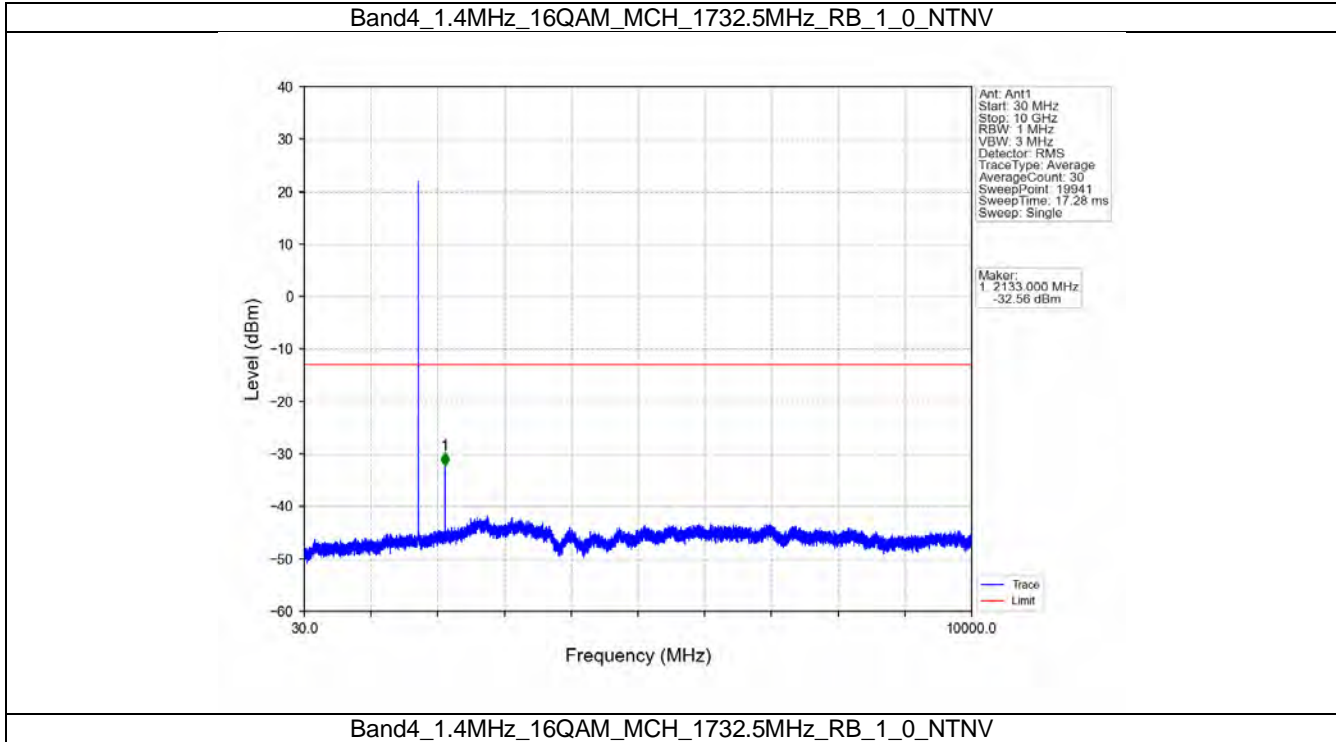


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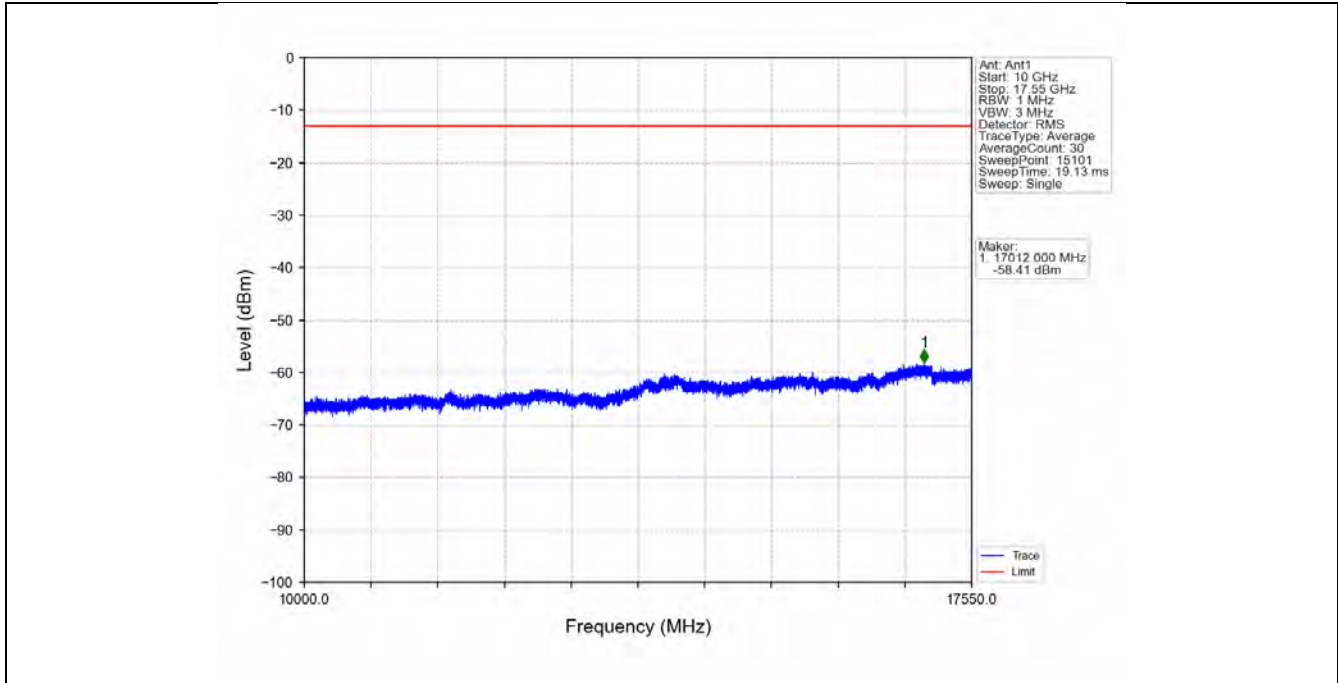


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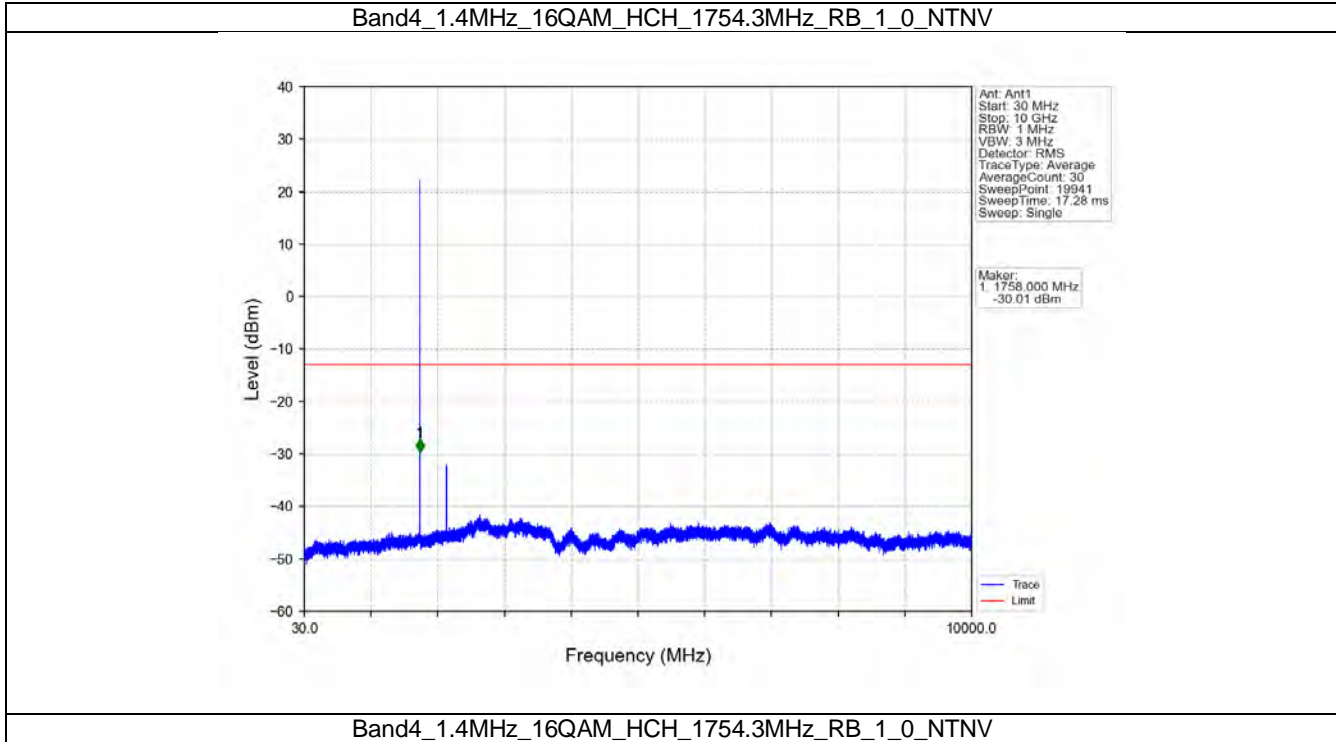


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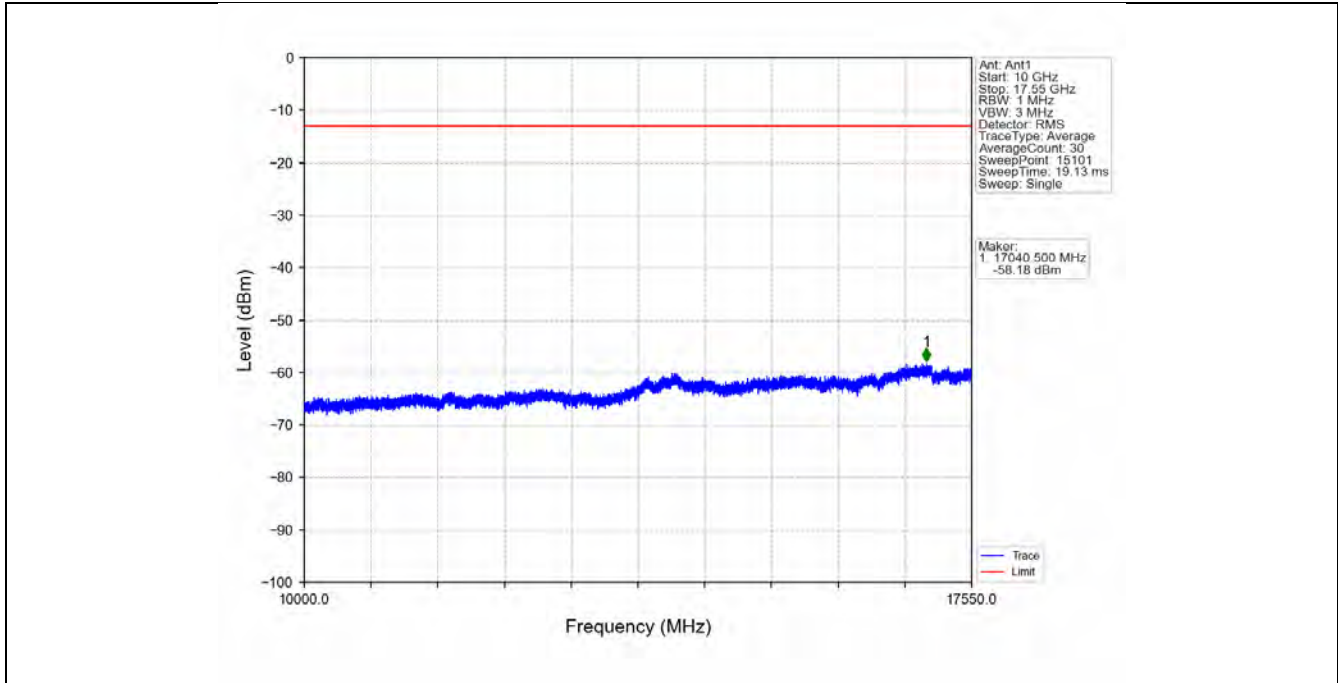


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