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# Appendix B.10

LTE Band 12



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\*\*Attention:\*\*To Check the authenticity of testing (inspection report & certificate, please contact us at telephone; (86-755) 83071443

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t (86–512) 62992980



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## 1. Frequency Stability

1.1 B12\_1.4MHz

#### 1.1.1 Test Result

				Band: 12	2 / Bandwidt	h: 1.4MHz				
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict	
iviodulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	verdict	
					3.8	-23.473	-0.0335	-2.5 to 2.5	Pass	
				20	4.0	-5.560	-0.0079	-2.5 to 2.5	Pass	
					4.2	0.083	0.0001	-2.5 to 2.5	Pass	
				-30	4.0	2.041	0.0029	-2.5 to 2.5	Pass	
				-20	4.0	3.994	0.0057	-2.5 to 2.5	Pass	
	699.7	6	0	-10	4.0	-1.599	-0.0023	-2.5 to 2.5	Pass	
				0	4.0	0.068	0.0001	-2.5 to 2.5	Pass	
				10	4.0	-0.529	-0.0008	-2.5 to 2.5	Pass	
				30	4.0	-0.239	-0.0003	-2.5 to 2.5	Pass	
				40	4.0	-3.336	-0.0048	-2.5 to 2.5	Pass	
				50	4.0	2.976	0.0043	-2.5 to 2.5	Pass	
					3.8	-0.372	-0.0005	-2.5 to 2.5	Pass	
				20	4.0	11.574	0.0164	-2.5 to 2.5	Pass	
					4.2	7.320	0.0103	-2.5 to 2.5	Pass	
				-30	4.0	-2.576	-0.0036	-2.5 to 2.5	Pass	
QPSK 707.5		6	0		-20	4.0	2.162	0.0031	-2.5 to 2.5	Pass
	707.5			-10	4.0	3.144	0.0044	-2.5 to 2.5	Pass	
				0	4.0	3.105	0.0044	-2.5 to 2.5	Pass	
				10	4.0	-1.367	-0.0019	-2.5 to 2.5	Pass	
				30	4.0	-0.401	-0.0006	-2.5 to 2.5	Pass	
				40	4.0	1.108	0.0016	-2.5 to 2.5	Pass	
				50	4.0	-0.978	-0.0014	-2.5 to 2.5	Pass	
					3.8	-16.852	-0.0236	-2.5 to 2.5	Pass	
				20	4.0	-22.684	-0.0317	-2.5 to 2.5	Pass	
					4.2	-13.050	-0.0182	-2.5 to 2.5	Pass	
				-30	4.0	-5.846	-0.0082	-2.5 to 2.5	Pass	
				-20	4.0	-7.090	-0.0099	-2.5 to 2.5	Pass	
	715.3	6	0	-10	4.0	-2.662	-0.0037	-2.5 to 2.5	Pass	
				0	4.0	1.578	0.0022	-2.5 to 2.5	Pass	
				10	4.0	2.685	0.0038	-2.5 to 2.5	Pass	
				30	4.0	3.456	0.0048	-2.5 to 2.5	Pass	
				40	4.0	-3.238	-0.0045	-2.5 to 2.5	Pass	
			<u> </u>	50	4.0	-2.258	-0.0032	-2.5 to 2.5	Pass	
					3.8	1.005	0.0014	-2.5 to 2.5	Pass	
				20	4.0	-2.897	-0.0041	-2.5 to 2.5	Pass	
			]		4.2	2.032	0.0029	-2.5 to 2.5	Pass	
16QAM	699.7	6	0	-30	4.0	2.057	0.0029	-2.5 to 2.5	Pass	
			0	-20	4.0	2.737	0.0039	-2.5 to 2.5	Pass	
				-10	4.0	0.726	0.0010	-2.5 to 2.5	Pass	
			]	0	4.0	1.602	0.0023	-2.5 to 2.5	Pass	



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10	Pass Pass Pass Pass Pass Pass Pass Pass
40	Pass Pass Pass Pass Pass Pass Pass
SO	Pass Pass Pass Pass Pass
707.5 6 0 -10 4.0 -2.8 to 2.5	Pass Pass Pass Pass
707.5 6 0 4.0 3.121 0.0044 -2.5 to 2.5   -30 4.0 0.880 0.0012 -2.5 to 2.5   -20 4.0 1.990 0.0028 -2.5 to 2.5   0 -10 4.0 -2.870 -0.0041 -2.5 to 2.5   10 4.0 2.451 0.0035 -2.5 to 2.5   10 4.0 2.451 0.0035 -2.5 to 2.5   30 4.0 -4.163 -0.0059 -2.5 to 2.5   40 4.0 4.0 -4.547 -0.0064 -2.5 to 2.5   50 4.0 -0.812 -0.0011 -2.5 to 2.5   50 4.0 -0.812 -0.0011 -2.5 to 2.5   20 4.0 -0.143 -0.0002 -2.5 to 2.5   -30 4.0 -1.1010 -0.0014 -2.5 to 2.5   -30 4.0 -1.010 -0.0014 -2.5 to 2.5   -30 4.0 -1.010 -0.0014 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   -20 4.0 -3.685 -0.0052 -2.5 to 2.5   10 4.0 -4.232 -0.0059 -2.5 to 2.5   30 4.0 -2.369 -0.0033 -2.5 to 2.5   -20 4.0 0.547 0.0008 -2.5 to 2.5   -20 4.0 -3.476 -0.0050 -2.5 to 2.5   -20 4.0 -0.181 -0.0003 -2.5 to 2.5   -20 4.0 -0.0699 -0.0010 -2.5 to 2.5   -20 50 -25 to 2.5   -20 4.0 -0.0699 -0.0010 -2.5 to 2.5   -20 4.0 -0.0699 -0.0010 -2.5 to 2.5   -20 50 -0.0099 -0.0010 -2.5 to 2.5	Pass Pass Pass
707.5 6 0 4.0 0.880 0.0012 -2.5 to 2.5   -20 4.0 1.990 0.0028 -2.5 to 2.5   -20 4.0 1.990 0.0028 -2.5 to 2.5   -20 4.0 1.990 0.0028 -2.5 to 2.5   -20 4.0 1.911 0.0016 -2.5 to 2.5   0 4.0 1.111 0.0016 -2.5 to 2.5   10 4.0 2.451 0.0035 -2.5 to 2.5   30 4.0 -4.163 -0.0059 -2.5 to 2.5   40 4.0 4.0 4.547 -0.0064 -2.5 to 2.5   50 4.0 -0.812 -0.0011 -2.5 to 2.5   50 4.0 -0.812 -0.0011 -2.5 to 2.5   20 4.0 -0.143 -0.0002 -2.5 to 2.5   -20 4.0 -0.143 -0.0002 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   10 4.0 -3.685 -0.0052 -2.5 to 2.5   10 4.0 -4.232 -0.0059 -2.5 to 2.5   30 4.0 2.955 0.0041 -2.5 to 2.5   40 4.0 0.547 0.0008 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   50 4.0 -3.476 -0.0050 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   -30 4.0 0.405 0.0006 -2.5 to 2.5   -20 4.0 0.405 0.0009 -2.5 to 2.5   -20 4.0 0.699 0.0010 -2.5 to 2.5	Pass Pass
707.5 6 0	Pass
707.5 6 0 1-20 4.0 1.990 0.0028 -2.5 to 2.5 1-10 4.0 -2.870 -0.0041 -2.5 to 2.5 0 4.0 1.111 0.0016 -2.5 to 2.5 10 4.0 2.451 0.0035 -2.5 to 2.5 30 4.0 -4.163 -0.0059 -2.5 to 2.5 40 4.0 -4.547 -0.0064 -2.5 to 2.5 50 4.0 -0.812 -0.0011 -2.5 to 2.5 50 4.0 -0.143 -0.0002 -2.5 to 2.5 4.2 1.158 0.0016 -2.5 to 2.5 4.2 1.158 0.0016 -2.5 to 2.5 4.2 1.158 0.0016 -2.5 to 2.5 -30 4.0 -1.010 -0.0014 -2.5 to 2.5 -20 4.0 0.108 0.0002 -2.5 to 2.5 10 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 0.547 0.0008 -2.5 to 2.5 30 4.0 -2.369 -0.003 -2.5 to 2.5 50 4.0 -3.476 -0.0030 -2.5 to 2.5 20 4.0 -3.476 -0.0050 -2.5 to 2.5 -30 4.0 -3.476 -0.0050 -2.5 to 2.5 -30 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 0.405 0.0006 -2.5 to 2.5	
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707.5 6 0	Pass
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10 4.0 2.451 0.0035 -2.5 to 2.5 30 4.0 -4.163 -0.0059 -2.5 to 2.5 40 4.0 -4.547 -0.0064 -2.5 to 2.5 50 4.0 -0.812 -0.0011 -2.5 to 2.5 50 4.0 -0.143 -0.0002 -2.5 to 2.5 4.2 1.158 0.0016 -2.5 to 2.5 4.2 1.158 0.0016 -2.5 to 2.5 -30 4.0 -1.010 -0.0014 -2.5 to 2.5 -20 4.0 0.108 0.0002 -2.5 to 2.5 0 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 -2.955 0.0041 -2.5 to 2.5 40 4.0 0.547 0.0008 -2.5 to 2.5 40 4.0 0.547 0.0008 -2.5 to 2.5 50 4.0 -2.369 -0.0033 -2.5 to 2.5 50 4.0 -3.476 -0.0050 -2.5 to 2.5 4.2 -1.066 -0.0015 -2.5 to 2.5 -30 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 0.405 0.0009 -2.5 to 2.5	Pass
40	Pass
40	Pass
715.3 6 0 4.0 -0.812 -0.0011 -2.5 to 2.5   20 4.0 -0.143 -0.0002 -2.5 to 2.5   4.2 1.158 0.0016 -2.5 to 2.5   -30 4.0 -1.010 -0.0014 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   0 4.0 -1.991 -0.0028 -2.5 to 2.5   10 4.0 -3.685 -0.0052 -2.5 to 2.5   10 4.0 0.547 0.0008 -2.5 to 2.5   40 4.0 0.547 0.0008 -2.5 to 2.5   50 4.0 0.2369 -0.0033 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   20 4.0 -3.476 -0.0000 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   -30 4.0 0.405 0.0006 -2.5 to 2.5   -30 4.0 0.405 0.0006 -2.5 to 2.5   -20 4.0 0.405 0.0006 -2.5 to 2.5   -20 4.0 0.405 0.0009 -2.5 to 2.5   0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
715.3 6 0 3.8 -0.679 -0.0009 -2.5 to 2.5 to 2.5   4.0 -0.143 -0.0002 -2.5 to 2.5 to 2.5   4.2 1.158 0.0016 -2.5 to 2.5   -30 4.0 -1.010 -0.0014 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   -20 4.0 0.108 0.0002 -2.5 to 2.5   0 4.0 -1.991 -0.0028 -2.5 to 2.5   0 4.0 -3.685 -0.0052 -2.5 to 2.5   10 4.0 -4.232 -0.0059 -2.5 to 2.5   30 4.0 2.955 0.0041 -2.5 to 2.5   40 4.0 0.547 0.0008 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   50 4.0 -3.476 -0.0033 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   -30 4.0 0.405 0.0006 -2.5 to 2.5   -20 4.0 -0.181 -0.0003 -2.5 to 2.5   -20 4.0 -0.181 -0.0003 -2.5 to 2.5   0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
715.3 6 0 4.0 -0.143 -0.0002 -2.5 to 2.5 to 2.5 -30 4.0 -1.010 -0.0014 -2.5 to 2.5 to 2.5 -20 4.0 0.108 0.0002 -2.5 to 2.5 to 2.5 -20 4.0 0.108 0.0002 -2.5 to 2.5 to 2.5 0 -2.5 to 2.5 0 -10 4.0 -1.991 -0.0028 -2.5 to 2.5 to 2.5 0 -10 4.0 -3.685 -0.0052 -2.5 to 2.5 to 2.5 10 4.0 -4.232 -0.0059 -2.5 to 2.5 to 2.5 10 4.0 -4.232 -0.0059 -2.5 to 2.5 to 2.5 10 4.0 0.547 0.0008 -2.5 to 2.5 to 2.5 10 4.0 0.547 0.0008 -2.5 to 2.5 to 2.5 10 4.0 -2.369 -0.0033 -2.5 to 2.5 to 2.5 10 4.0 -3.476 -0.0050 -2.5 to 2.5 to 2.5 10 4.2 -1.066 -0.0015 -2.5 to 2.5 10 4.0 0.405 0.0006 -2.5 to 2.5 10 2.5	Pass
715.3 6 0 4.0 -1.010 -0.0014 -2.5 to 2.5 to 2.5 -20 4.0 0.108 0.0002 -2.5 to 2.5 to 2.5 0 4.0 -1.991 -0.0028 -2.5 to 2.5 to 2.5 0 4.0 -3.685 -0.0052 -2.5 to 2.5 10 4.0 -4.232 -0.0059 -2.5 to 2.5 10 4.0 4.0 -4.232 -0.0059 -2.5 to 2.5 10 4.0 4.0 0.547 0.0008 -2.5 to 2.5 10 4.0 0.547 0.0008 -2.5 to 2.5 10 4.0 0.547 0.0008 -2.5 to 2.5 10 2.	Pass
715.3  6  0  -30  4.0  -1.010  -0.0014  -2.5 to 2.5  -20  4.0  0.108  0.0002  -2.5 to 2.5  -20  -10  4.0  -1.991  -0.0028  -2.5 to 2.5  0  4.0  -1.991  -0.0059  -2.5 to 2.5  10  4.0  -4.232  -0.0059  -2.5 to 2.5  30  4.0  2.955  0.0041  -2.5 to 2.5  40  4.0  0.547  0.0008  -2.5 to 2.5  40  4.0  -2.369  -0.0033  -2.5 to 2.5  50  4.0  -2.369  -0.0033  -2.5 to 2.5  20  4.0  -3.476  -0.0050  -2.5 to 2.5  -20  4.0  0.405  0.0006  -2.5 to 2.5  -20  4.0  0.405  0.0003  -2.5 to 2.5  -20  4.0  -3.445  0.0049  -2.5 to 2.5  -20  4.0  -3.445  0.0049  -2.5 to 2.5  0  4.0  0.0049  -2.5 to 2.5  -20  -20  -10  -10  -10  -10  -10  -10	Pass
715.3  6  0  -20  4.0  0.108  0.0002  -2.5 to 2.5  -10  4.0  -1.991  -0.0028  -2.5 to 2.5  0  4.0  -3.685  -0.0052  -2.5 to 2.5  10  4.0  -4.232  -0.0059  -2.5 to 2.5  30  4.0  2.955  0.0041  -2.5 to 2.5  40  4.0  0.547  0.0008  -2.5 to 2.5  50  4.0  -2.369  -0.0033  -2.5 to 2.5  50  4.0  -2.369  -0.0033  -2.5 to 2.5  20  4.0  -3.476  -0.0050  -2.5 to 2.5  4.2  -1.066  -0.0015  -2.5 to 2.5  -30  4.0  0.405  0.0006  -2.5 to 2.5  -20  4.0  -3.445  0.0049  -2.5 to 2.5  0  4.0  0.0049  -2.5 to 2.5  -20  -10  4.0  3.445  0.0049  -2.5 to 2.5  0  4.0  0.0099  0.0010  -2.5 to 2.5	Pass
715.3 6 0 -10 4.0 -1.991 -0.0028 -2.5 to 2.5   0 4.0 -3.685 -0.0052 -2.5 to 2.5   10 4.0 -4.232 -0.0059 -2.5 to 2.5   30 4.0 2.955 0.0041 -2.5 to 2.5   40 4.0 0.547 0.0008 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   50 4.0 -2.369 -0.0033 -2.5 to 2.5   20 4.0 -3.476 -0.0050 -2.5 to 2.5   4.2 -1.066 -0.0015 -2.5 to 2.5   -30 4.0 0.405 0.0006 -2.5 to 2.5   -20 4.0 -0.181 -0.0003 -2.5 to 2.5   -20 4.0 3.445 0.0049 -2.5 to 2.5   0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
0       4.0       -3.685       -0.0052       -2.5 to 2.5         10       4.0       -4.232       -0.0059       -2.5 to 2.5         30       4.0       2.955       0.0041       -2.5 to 2.5         40       4.0       0.547       0.0008       -2.5 to 2.5         50       4.0       -2.369       -0.0033       -2.5 to 2.5         20       4.0       -3.476       -0.0050       -2.5 to 2.5         4.2       -1.066       -0.0015       -2.5 to 2.5         -30       4.0       0.405       0.0006       -2.5 to 2.5         -20       4.0       -0.181       -0.0003       -2.5 to 2.5         -20       4.0       -0.181       -0.0003       -2.5 to 2.5         -20       4.0       0.181       -0.0003       -2.5 to 2.5         0       4.0       0.699       0.0010       -2.5 to 2.5	Pass
10   4.0   -4.232   -0.0059   -2.5 to 2.5     30   4.0   2.955   0.0041   -2.5 to 2.5     40   4.0   0.547   0.0008   -2.5 to 2.5     50   4.0   -2.369   -0.0033   -2.5 to 2.5     3.8   0.196   0.0003   -2.5 to 2.5     20   4.0   -3.476   -0.0050   -2.5 to 2.5     4.2   -1.066   -0.0015   -2.5 to 2.5     -30   4.0   0.405   0.0006   -2.5 to 2.5     -20   4.0   -0.181   -0.0003   -2.5 to 2.5     -20   4.0   3.445   0.0049   -2.5 to 2.5     0   4.0   0.699   0.0010   -2.5 to 2.5	Pass
30   4.0   2.955   0.0041   -2.5 to 2.5	Pass
40     4.0     0.547     0.0008     -2.5 to 2.5       50     4.0     -2.369     -0.0033     -2.5 to 2.5       3.8     0.196     0.0003     -2.5 to 2.5       20     4.0     -3.476     -0.0050     -2.5 to 2.5       4.2     -1.066     -0.0015     -2.5 to 2.5       -30     4.0     0.405     0.0006     -2.5 to 2.5       -20     4.0     -0.181     -0.0003     -2.5 to 2.5       -20     4.0     3.445     0.0049     -2.5 to 2.5       0     4.0     0.699     0.0010     -2.5 to 2.5	Pass
699.7     6       0     4.0     -2.369     -0.0033     -2.5 to 2.5       3.8     0.196     0.0003     -2.5 to 2.5       4.0     -3.476     -0.0050     -2.5 to 2.5       4.2     -1.066     -0.0015     -2.5 to 2.5       -30     4.0     0.405     0.0006     -2.5 to 2.5       -20     4.0     -0.181     -0.0003     -2.5 to 2.5       0     4.0     3.445     0.0049     -2.5 to 2.5       0     4.0     0.699     0.0010     -2.5 to 2.5	Pass
3.8 0.196 0.0003 -2.5 to 2.5 4.0 -3.476 -0.0050 -2.5 to 2.5 4.2 -1.066 -0.0015 -2.5 to 2.5 -30 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 -0.181 -0.0003 -2.5 to 2.5 -20 4.0 3.445 0.0049 -2.5 to 2.5 0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
699.7     6       0     4.0     -3.476     -0.0050     -2.5 to 2.5       4.2     -1.066     -0.0015     -2.5 to 2.5       -30     4.0     0.405     0.0006     -2.5 to 2.5       -20     4.0     -0.181     -0.0003     -2.5 to 2.5       -10     4.0     3.445     0.0049     -2.5 to 2.5       0     4.0     0.699     0.0010     -2.5 to 2.5	Pass
699.7     6     4.2     -1.066     -0.0015     -2.5 to 2.5       -30     4.0     0.405     0.0006     -2.5 to 2.5       -20     4.0     -0.181     -0.0003     -2.5 to 2.5       0     -10     4.0     3.445     0.0049     -2.5 to 2.5       0     4.0     0.699     0.0010     -2.5 to 2.5	Pass
699.7 6 0 4.0 0.405 0.0006 -2.5 to 2.5 -20 4.0 -0.181 -0.0003 -2.5 to 2.5 -10 4.0 3.445 0.0049 -2.5 to 2.5 0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
699.7 6 0 -20 4.0 -0.181 -0.0003 -2.5 to 2.5 -10 4.0 3.445 0.0049 -2.5 to 2.5 0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
699.7 6 0 -10 4.0 3.445 0.0049 -2.5 to 2.5 0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
0 4.0 0.699 0.0010 -2.5 to 2.5	Pass
	Pass
	Pass
30 4.0 -1.293 -0.0018 -2.5 to 2.5	Pass
40 4.0 1.987 0.0028 -2.5 to 2.5	Pass
50 4.0 -1.103 -0.0016 -2.5 to 2.5	Pass
3.8 2.826 0.0040 -2.5 to 2.5	Pass
64QAM 20 4.0 -4.155 -0.0059 -2.5 to 2.5	Pass
4.2 -0.255 -0.0004 -2.5 to 2.5	Pass
-30 4.0 2.861 0.0040 -2.5 to 2.5	Pass
-20 4.0 -1.033 -0.0015 -2.5 to 2.5	Pass
707.5 6 0 -10 4.0 -0.438 -0.0006 -2.5 to 2.5	Pass
0 4.0 4.017 0.0057 -2.5 to 2.5	Pass
10 4.0 -3.689 -0.0052 -2.5 to 2.5	Pass
30 4.0 -3.463 -0.0049 -2.5 to 2.5	Pass
40 4.0 1.522 0.0022 -2.5 to 2.5	Pass
50 4.0 1.835 0.0026 -2.5 to 2.5	Pass
3.8 1.843 0.0026 -2.5 to 2.5	Pass
715.3 6 0 20 3.6 1.643 0.0020 -2.3 to 2.5 to 2.5 1	



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				•	
	4.2	1.569	0.0022	-2.5 to 2.5	Pass
-30	4.0	2.207	0.0031	-2.5 to 2.5	Pass
-20	4.0	-2.919	-0.0041	-2.5 to 2.5	Pass
-10	4.0	-4.533	-0.0063	-2.5 to 2.5	Pass
0	4.0	2.332	0.0033	-2.5 to 2.5	Pass
10	4.0	-3.939	-0.0055	-2.5 to 2.5	Pass
30	4.0	3.679	0.0051	-2.5 to 2.5	Pass
40	4.0	3.115	0.0044	-2.5 to 2.5	Pass
50	4.0	2.635	0.0037	-2.5 to 2.5	Pass



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#### 1.2 B12\_3MHz

#### 1.2.1 Test Result

				Band: 1	2 / Bandwid	lth: 3MHz			
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Verdict
Modulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	verdict
					3.8	-1.227	-0.0018	-2.5 to 2.5	Pass
				20	4.0	4.516	0.0064	-2.5 to 2.5	Pass
					4.2	0.225	0.0003	-2.5 to 2.5	Pass
				-30	4.0	-0.382	-0.0005	-2.5 to 2.5	Pass
			0	-20	4.0	3.727	0.0053	-2.5 to 2.5	Pass
	700.5	15		-10	4.0	3.333	0.0048	-2.5 to 2.5	Pass
				0	4.0	0.024	0.0000	-2.5 to 2.5	Pass
				10	4.0	-1.850	-0.0026	-2.5 to 2.5	Pass
				30	4.0	4.231	0.0060	-2.5 to 2.5	Pass
				40	4.0	0.165	0.0002	-2.5 to 2.5	Pass
				50	4.0	5.248	0.0075	-2.5 to 2.5	Pass
			0		3.8	-1.377	-0.0019	-2.5 to 2.5	Pass
				20	4.0	3.873	0.0055	-2.5 to 2.5	Pass
					4.2	2.208	0.0031	-2.5 to 2.5	Pass
				-30	4.0	0.273	0.0004	-2.5 to 2.5	Pass
		15		-20	4.0	-1.794	-0.0025	-2.5 to 2.5	Pass
QPSK	707.5			-10	4.0	3.335	0.0047	-2.5 to 2.5	Pass
				0	4.0	-0.104	-0.0001	-2.5 to 2.5	Pass
				10	4.0	-2.099	-0.0030	-2.5 to 2.5	Pass
				30	4.0	3.654	0.0052	-2.5 to 2.5	Pass
				40	4.0	0.897	0.0013	-2.5 to 2.5	Pass
				50	4.0	0.150	0.0002	-2.5 to 2.5	Pass
					3.8	1.861	0.0026	-2.5 to 2.5	Pass
				20	4.0	1.616	0.0023	-2.5 to 2.5	Pass
					4.2	-0.431	-0.0006	-2.5 to 2.5	Pass
				-30	4.0	4.577	0.0064	-2.5 to 2.5	Pass
				-20	4.0	4.193	0.0059	-2.5 to 2.5	Pass
	714.5	15	0	-10	4.0	2.464	0.0034	-2.5 to 2.5	Pass
				0	4.0	-0.095	-0.0001	-2.5 to 2.5	Pass
				10	4.0	2.271	0.0032	-2.5 to 2.5	Pass
				30	4.0	1.549	0.0022	-2.5 to 2.5	Pass
				40	4.0	-0.371	-0.0005	-2.5 to 2.5	Pass
				50	4.0	-3.669	-0.0051	-2.5 to 2.5	Pass
					3.8	4.080	0.0058	-2.5 to 2.5	Pass
				20	4.0	1.415	0.0020	-2.5 to 2.5	Pass
					4.2	0.122	0.0002	-2.5 to 2.5	Pass
				-30	4.0	-0.408	-0.0006	-2.5 to 2.5	Pass
16QAM	700.5	15	0	-20	4.0	-1.266	-0.0018	-2.5 to 2.5	Pass
''		. •		-10	4.0	-2.088	-0.0030	-2.5 to 2.5	Pass
				0	4.0	-1.243	-0.0018	-2.5 to 2.5	Pass
				10	4.0	0.533	0.0008	-2.5 to 2.5	Pass
				30	4.0	0.848	0.0012	-2.5 to 2.5	Pass



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						Page:	6 01 224	†	
				40	4.0	0.552	0.0008	-2.5 to 2.5	Pass
				50	4.0	-2.314	-0.0033	-2.5 to 2.5	Pass
					3.8	-0.203	-0.0003	-2.5 to 2.5	Pass
				20	4.0	-3.781	-0.0053	-2.5 to 2.5	Pass
					4.2	2.028	0.0029	-2.5 to 2.5	Pass
				-30	4.0	2.167	0.0031	-2.5 to 2.5	Pass
				-20	4.0	0.032	0.0000	-2.5 to 2.5	Pass
	707.5	15	0	-10	4.0	0.312	0.0004	-2.5 to 2.5	Pass
				0	4.0	0.721	0.0010	-2.5 to 2.5	Pass
				10	4.0	1.389	0.0020	-2.5 to 2.5	Pass
				30	4.0	1.647	0.0023	-2.5 to 2.5	Pass
				40	4.0	2.005	0.0028	-2.5 to 2.5	Pass
				50	4.0	0.276	0.0004	-2.5 to 2.5	Pass
					3.8	3.698	0.0052	-2.5 to 2.5	Pass
				20	4.0	2.547	0.0036	-2.5 to 2.5	Pass
			0		4.2	-0.851	-0.0012	-2.5 to 2.5	Pass
				-30	4.0	3.762	0.0053	-2.5 to 2.5	Pass
				-20	4.0	-1.627	-0.0023	-2.5 to 2.5	Pass
	714.5	15		-10	4.0	2.134	0.0030	-2.5 to 2.5	Pass
	714.0	10		0	4.0	-1.314	-0.0018	-2.5 to 2.5	Pass
				10	4.0	-0.500	-0.0007	-2.5 to 2.5	Pass
				30	4.0	-0.018	0.0000	-2.5 to 2.5	Pass
				40	4.0	-1.473	-0.0021	-2.5 to 2.5	Pass
				50	4.0	-2.382	-0.0021	-2.5 to 2.5	Pass
				30	3.8	-2.433	-0.0035	-2.5 to 2.5	Pass
				20	4.0	-2.706	-0.0039	-2.5 to 2.5	Pass
				20	4.2	-2.428	-0.0035	-2.5 to 2.5	Pass
				-30	4.0	-0.354	-0.0005	-2.5 to 2.5	Pass
		15	0	-20	4.0	2.795	0.0040	-2.5 to 2.5	Pass
	700.5			-10	4.0	3.943	0.0056	-2.5 to 2.5	Pass
	700.5			0	4.0	0.982	0.0030	-2.5 to 2.5	Pass
				_		3.923			
				10 30	4.0		0.0056	-2.5 to 2.5	Pass
				40	4.0 4.0	-3.447 -1.712	-0.0049 -0.0024	-2.5 to 2.5	Pass
				50	4.0	-1.712	-0.0024	-2.5 to 2.5	Pass
		-		50		-1.225 -2.164	-0.0017	-2.5 to 2.5 -2.5 to 2.5	Pass
				20	3.8	5.225		-2.5 to 2.5 -2.5 to 2.5	Pass
64QAM				20	4.0		0.0074		Pass Pass
				-30	4.2 4.0	5.021 -1.096	0.0071 -0.0015	-2.5 to 2.5 -2.5 to 2.5	
									Pass
	707 5	15	_	-20	4.0	-2.747	-0.0039	-2.5 to 2.5	Pass
	707.5	15	0	-10	4.0	-3.142	-0.0044	-2.5 to 2.5	Pass
				0	4.0	-2.611	-0.0037	-2.5 to 2.5	Pass
				10	4.0	1.106	0.0016	-2.5 to 2.5	Pass
				30	4.0	1.896	0.0027	-2.5 to 2.5	Pass
				40	4.0	-4.179	-0.0059	-2.5 to 2.5	Pass
				50	4.0	-2.616	-0.0037	-2.5 to 2.5	Pass
				00	3.8	-2.136	-0.0030	-2.5 to 2.5	Pass
	714.5	15	0	20	4.0	1.268	0.0018	-2.5 to 2.5	Pass
					4.2	-3.035	-0.0042	-2.5 to 2.5	Pass
				-30	4.0	-1.620	-0.0023	-2.5 to 2.5	Pass



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-	-20	4.0	0.747	0.0010	-2.5 to 2.5	Pass
-	-10	4.0	1.567	0.0022	-2.5 to 2.5	Pass
	0	4.0	3.528	0.0049	-2.5 to 2.5	Pass
	10	4.0	-2.591	-0.0036	-2.5 to 2.5	Pass
	30	4.0	0.679	0.0010	-2.5 to 2.5	Pass
	40	4.0	2.129	0.0030	-2.5 to 2.5	Pass
	50	4.0	2.634	0.0037	-2.5 to 2.5	Pass



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#### 1.3 B12\_5MHz

#### 1.3.1 Test Result

				Band: 1	2 / Bandwid	lth: 5MHz				
Modulation	Frequency	RB All	ocation	Temp.	Voltage	Freq. Error	Freq. vs. F	Rated (ppm)	Vordict	
Modulation	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	Verdict	
					3.8	4.020	0.0057	-2.5 to 2.5	Pass	
				20	4.0	2.687	0.0038	-2.5 to 2.5	Pass	
					4.2	-2.109	-0.0030	-2.5 to 2.5	Pass	
				-30	4.0	5.316	0.0076	-2.5 to 2.5	Pass	
				-20	4.0	4.586	0.0065	-2.5 to 2.5	Pass	
	701.5	25	0	-10	4.0	1.892	0.0027	-2.5 to 2.5	Pass	
				0	4.0	-2.194	-0.0031	-2.5 to 2.5	Pass	
				10	4.0	-3.495	-0.0050	-2.5 to 2.5	Pass	
				30	4.0	3.790	0.0054	-2.5 to 2.5	Pass	
				40	4.0	2.266	0.0032	-2.5 to 2.5	Pass	
				50	4.0	2.427	0.0035	-2.5 to 2.5	Pass	
					3.8	-0.716	-0.0010	-2.5 to 2.5	Pass	
				20	4.0	0.158	0.0002	-2.5 to 2.5	Pass	
					4.2	2.512	0.0036	-2.5 to 2.5	Pass	
				-30	4.0	-2.166	-0.0031	-2.5 to 2.5	Pass	
		07.5 25	0	-20	4.0	0.651	0.0009	-2.5 to 2.5	Pass	
QPSK 707.5	707.5			-10	4.0	-1.807	-0.0026	-2.5 to 2.5	Pass	
				0	4.0	-1.326	-0.0019	-2.5 to 2.5	Pass	
				10	4.0	-0.909	-0.0013	-2.5 to 2.5	Pass	
				30	4.0	-1.538	-0.0022	-2.5 to 2.5	Pass	
				40	4.0	-1.508	-0.0021	-2.5 to 2.5	Pass	
				50	4.0	-0.710	-0.0010	-2.5 to 2.5	Pass	
						3.8	0.269	0.0004	-2.5 to 2.5	Pass
				20	4.0	1.054	0.0015	-2.5 to 2.5	Pass	
					4.2	4.373	0.0061	-2.5 to 2.5	Pass	
				-30	4.0	4.464	0.0063	-2.5 to 2.5	Pass	
				-20	4.0	-2.243	-0.0031	-2.5 to 2.5	Pass	
	713.5	25	0	-10	4.0	-1.655	-0.0023	-2.5 to 2.5	Pass	
				0	4.0	-1.168	-0.0016	-2.5 to 2.5	Pass	
				10	4.0	3.545	0.0050	-2.5 to 2.5	Pass	
				30	4.0	-2.612	-0.0037	-2.5 to 2.5	Pass	
				40	4.0	4.687	0.0066	-2.5 to 2.5	Pass	
				50	4.0	-1.836	-0.0026	-2.5 to 2.5	Pass	
			]		3.8	-1.233	-0.0018	-2.5 to 2.5	Pass	
				20	4.0	-4.368	-0.0062	-2.5 to 2.5	Pass	
					4.2	-2.303	-0.0033	-2.5 to 2.5	Pass	
				-30	4.0	1.472	0.0021	-2.5 to 2.5	Pass	
16QAM	701.5	25	0	-20	4.0	-2.248	-0.0032	-2.5 to 2.5	Pass	
				-10	4.0	-0.881	-0.0013	-2.5 to 2.5	Pass	
				0	4.0	-0.517	-0.0007	-2.5 to 2.5	Pass	
			-	10	4.0	-2.281	-0.0033	-2.5 to 2.5	Pass	
				30	4.0	-3.559	-0.0051	-2.5 to 2.5	Pass	



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				40	4.0	-1.635	-0.0023	-2.5 to 2.5	Pass
				50	4.0	1.309	0.0019	-2.5 to 2.5	Pass
					3.8	-1.527	-0.0022	-2.5 to 2.5	Pass
				20	4.0	2.760	0.0039	-2.5 to 2.5	Pass
					4.2	-4.752	-0.0067	-2.5 to 2.5	Pass
				-30	4.0	-3.410	-0.0048	-2.5 to 2.5	Pass
				-20	4.0	-1.350	-0.0019	-2.5 to 2.5	Pass
	707.5	25	0	-10	4.0	-1.719	-0.0024	-2.5 to 2.5	Pass
				0	4.0	1.492	0.0021	-2.5 to 2.5	Pass
				10	4.0	-3.463	-0.0049	-2.5 to 2.5	Pass
				30	4.0	-3.763	-0.0053	-2.5 to 2.5	Pass
				40	4.0	0.309	0.0004	-2.5 to 2.5	Pass
				50	4.0	1.005	0.0014	-2.5 to 2.5	Pass
				30	3.8	5.376	0.0075	-2.5 to 2.5	Pass
				20		4.930	0.0073	-2.5 to 2.5	
				20	4.0				Pass
				20	4.2	2.263	0.0032	-2.5 to 2.5	Pass
				-30	4.0	1.026	0.0014	-2.5 to 2.5	Pass
	710 5	0.5		-20	4.0	2.011	0.0028	-2.5 to 2.5	Pass
	713.5	25	0	-10	4.0	3.988	0.0056	-2.5 to 2.5	Pass
				0	4.0	0.076	0.0001	-2.5 to 2.5	Pass
				10	4.0	0.306	0.0004	-2.5 to 2.5	Pass
				30	4.0	4.106	0.0058	-2.5 to 2.5	Pass
				40	4.0	-1.379	-0.0019	-2.5 to 2.5	Pass
				50	4.0	-2.042	-0.0029	-2.5 to 2.5	Pass
					3.8	1.545	0.0022	-2.5 to 2.5	Pass
				20	4.0	-3.923	-0.0056	-2.5 to 2.5	Pass
					4.2	-1.206	-0.0017	-2.5 to 2.5	Pass
		25	0	-30	4.0	1.629	0.0023	-2.5 to 2.5	Pass
				-20	4.0	3.212	0.0046	-2.5 to 2.5	Pass
	701.5			-10	4.0	2.793	0.0040	-2.5 to 2.5	Pass
				0	4.0	-1.341	-0.0019	-2.5 to 2.5	Pass
				10	4.0	2.846	0.0041	-2.5 to 2.5	Pass
		]		30	4.0	-2.297	-0.0033	-2.5 to 2.5	Pass
		]		40	4.0	-1.334	-0.0019	-2.5 to 2.5	Pass
		]		50	4.0	-2.953	-0.0042	-2.5 to 2.5	Pass
					3.8	2.459	0.0035	-2.5 to 2.5	Pass
04044		]		20	4.0	-0.422	-0.0006	-2.5 to 2.5	Pass
64QAM					4.2	3.700	0.0052	-2.5 to 2.5	Pass
		]		-30	4.0	3.120	0.0044	-2.5 to 2.5	Pass
		]		-20	4.0	-2.536	-0.0036	-2.5 to 2.5	Pass
	707.5	25	0	-10	4.0	-0.696	-0.0010	-2.5 to 2.5	Pass
				0	4.0	-0.115	-0.0002	-2.5 to 2.5	Pass
		]		10	4.0	1.393	0.0020	-2.5 to 2.5	Pass
		]		30	4.0	-3.565	-0.0050	-2.5 to 2.5	Pass
		]		40	4.0	-4.736	-0.0067	-2.5 to 2.5	Pass
				50	4.0	-4.083	-0.0058	-2.5 to 2.5	Pass
				30	3.8	1.946	0.0027	-2.5 to 2.5	Pass
		]		20	4.0	1.050	0.0027	-2.5 to 2.5	
	713.5	25	0	20					Pass
		]		20	4.2	3.944	0.0055	-2.5 to 2.5	Pass
				-30	4.0	-1.805	-0.0025	-2.5 to 2.5	Pass



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	-2	20	4.0	3.270	0.0046	-2.5 to 2.5	Pass
	-1	10	4.0	3.818	0.0054	-2.5 to 2.5	Pass
	(	)	4.0	-1.191	-0.0017	-2.5 to 2.5	Pass
	1	0	4.0	0.833	0.0012	-2.5 to 2.5	Pass
	3	0	4.0	0.728	0.0010	-2.5 to 2.5	Pass
	4	-0	4.0	2.653	0.0037	-2.5 to 2.5	Pass
	5	0	4.0	1.207	0.0017	-2.5 to 2.5	Pass



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#### 1.4 B12\_10MHz

#### 1.4.1 Test Result

Т	_			1	2 / Bandwid				ı
Modulation	Frequency		ocation	Temp.	Voltage	Freq. Error		Rated (ppm)	Verdict
	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	_
				00	3.8	-2.503	-0.0036	-2.5 to 2.5	Pass
				20	4.0	4.499	0.0064	-2.5 to 2.5	Pass
					4.2	2.360	0.0034	-2.5 to 2.5	Pass
				-30	4.0	0.311	0.0004	-2.5 to 2.5	Pass
			0	-20	4.0	2.435	0.0035	-2.5 to 2.5	Pass
	704	50		-10	4.0	1.925	0.0027	-2.5 to 2.5	Pass
				0	4.0	0.436	0.0006	-2.5 to 2.5	Pass
				10	4.0	-2.965	-0.0042	-2.5 to 2.5	Pass
				30	4.0	4.832	0.0069	-2.5 to 2.5	Pass
				40	4.0	2.088	0.0030	-2.5 to 2.5	Pass
				50	4.0	-2.254	-0.0032	-2.5 to 2.5	Pass
			0		3.8	2.649	0.0037	-2.5 to 2.5	Pass
				20	4.0	-3.647	-0.0052	-2.5 to 2.5	Pass
					4.2	-3.411	-0.0048	-2.5 to 2.5	Pass
		50		-30	4.0	-1.766	-0.0025	-2.5 to 2.5	Pass
				-20	4.0	2.009	0.0028	-2.5 to 2.5	Pass
QPSK	707.5			-10	4.0	0.369	0.0005	-2.5 to 2.5	Pass
				0	4.0	-4.667	-0.0066	-2.5 to 2.5	Pass
				10	4.0	-3.365	-0.0048	-2.5 to 2.5	Pass
				30	4.0	-2.585	-0.0037	-2.5 to 2.5	Pass
				40	4.0	-1.720	-0.0024	-2.5 to 2.5	Pass
				50	4.0	-1.497	-0.0021	-2.5 to 2.5	Pass
				20	3.8	2.826	0.0040	-2.5 to 2.5	Pass
					4.0	-3.468	-0.0049	-2.5 to 2.5	Pass
					4.2	-2.366	-0.0033	-2.5 to 2.5	Pass
				-30	4.0	3.508	0.0049	-2.5 to 2.5	Pass
				-20	4.0	-0.314	-0.0004	-2.5 to 2.5	Pass
	711	50	0	-10	4.0	-1.176	-0.0017	-2.5 to 2.5	Pass
				0	4.0	-1.407	-0.0020	-2.5 to 2.5	Pass
				10	4.0	-0.816	-0.0011	-2.5 to 2.5	Pass
				30	4.0	-0.864	-0.0012	-2.5 to 2.5	Pass
				40	4.0	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	4.0	0.651	0.0009	-2.5 to 2.5	Pass
					3.8	-5.350	-0.0076	-2.5 to 2.5	Pass
				20	4.0	-2.306	-0.0033	-2.5 to 2.5	Pass
					4.2	-1.518	-0.0022	-2.5 to 2.5	Pass
				-30	4.0	-0.877	-0.0012	-2.5 to 2.5	Pass
16QAM	704	50	0	-20	4.0	-0.131	-0.0002	-2.5 to 2.5	Pass
·		-	-	-10	4.0	1.092	0.0016	-2.5 to 2.5	Pass
				0	4.0	2.388	0.0034	-2.5 to 2.5	Pass
				10	4.0	1.785	0.0025	-2.5 to 2.5	Pass
				30	4.0	-1.363	-0.0019	-2.5 to 2.5	Pass



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		<del></del>				ı agc.	12 01 22	- '	
				40	4.0	2.384	0.0034	-2.5 to 2.5	Pass
				50	4.0	-3.553	-0.0050	-2.5 to 2.5	Pass
					3.8	-1.550	-0.0022	-2.5 to 2.5	Pass
				20	4.0	0.855	0.0012	-2.5 to 2.5	Pass
					4.2	3.391	0.0048	-2.5 to 2.5	Pass
				-30	4.0	-3.596	-0.0051	-2.5 to 2.5	Pass
				-20	4.0	-3.760	-0.0053	-2.5 to 2.5	Pass
	707.5	50	0	-10	4.0	0.828	0.0012	-2.5 to 2.5	Pass
				0	4.0	-1.072	-0.0015	-2.5 to 2.5	Pass
				10	4.0	0.043	0.0001	-2.5 to 2.5	Pass
				30	4.0	0.666	0.0009	-2.5 to 2.5	Pass
				40	4.0	4.051	0.0057	-2.5 to 2.5	Pass
				50	4.0	2.520	0.0036	-2.5 to 2.5	Pass
					3.8	0.688	0.0010	-2.5 to 2.5	Pass
				20	4.0	-1.809	-0.0025	-2.5 to 2.5	Pass
					4.2	-4.013	-0.0056	-2.5 to 2.5	Pass
				-30	4.0	-2.205	-0.0031	-2.5 to 2.5	Pass
				-20	4.0	-0.213	-0.0003	-2.5 to 2.5	Pass
	711	50	0	-10	4.0	3.729	0.0052	-2.5 to 2.5	Pass
				0	4.0	-1.297	-0.0018	-2.5 to 2.5	Pass
				10	4.0	1.054	0.0015	-2.5 to 2.5	Pass
			30	4.0	-5.638	-0.0079	-2.5 to 2.5	Pass	
				40	4.0	-5.480	-0.0077	-2.5 to 2.5	Pass
				50	4.0	-3.680	-0.0052	-2.5 to 2.5	Pass
				- 30	3.8	-3.513	-0.0050	-2.5 to 2.5	Pass
				20	4.0	-1.938	-0.0028	-2.5 to 2.5	Pass
				20	4.2	2.473	0.0035	-2.5 to 2.5	Pass
				-30	4.0	2.263	0.0032	-2.5 to 2.5	Pass
				-20	4.0	3.020	0.0043	-2.5 to 2.5	Pass
	704	50	0	-10	4.0	3.312	0.0047	-2.5 to 2.5	Pass
				0	4.0	-0.759	-0.0011	-2.5 to 2.5	Pass
				10	4.0	1.502	0.0021	-2.5 to 2.5	Pass
				30	4.0	-2.448	-0.0035	-2.5 to 2.5	Pass
				40	4.0	-0.640	-0.0009	-2.5 to 2.5	Pass
			]	50	4.0	-0.655	-0.0009	-2.5 to 2.5	Pass
		1	1		3.8	3.339	0.0047	-2.5 to 2.5	Pass
				20	4.0	1.610	0.0023	-2.5 to 2.5	Pass
64QAM			]		4.2	2.502	0.0035	-2.5 to 2.5	Pass
				-30	4.0	-4.175	-0.0059	-2.5 to 2.5	Pass
				-20	4.0	-4.020	-0.0057	-2.5 to 2.5	Pass
	707.5	50	0	-10	4.0	-0.537	-0.0008	-2.5 to 2.5	Pass
	707.0			0	4.0	0.224	0.0003	-2.5 to 2.5	Pass
			]	10	4.0	2.832	0.0040	-2.5 to 2.5	Pass
				30	4.0	-2.119	-0.0030	-2.5 to 2.5	Pass
				40	4.0	-1.338	-0.0030	-2.5 to 2.5	Pass
				50	4.0	2.205	0.0031	-2.5 to 2.5	Pass
				50	3.8	1.028	0.0031	-2.5 to 2.5	Pass
			]	20	4.0	0.595	0.0014	-2.5 to 2.5	Pass
	711	50	0	20	4.0	1.232	0.0008	-2.5 to 2.5	Pass
	/ 11		]	-30	4.0	-6.429	-0.0090	-2.5 to 2.5	Pass
		1		-30	+.∪	-0.428	-0.0090	-2.0 10 2.0	1 000



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	-20	4.0	-4.117	-0.0058	-2.5 to 2.5	Pass
	-10	4.0	-2.256	-0.0032	-2.5 to 2.5	Pass
	0	4.0	-3.058	-0.0043	-2.5 to 2.5	Pass
	10	4.0	-0.682	-0.0010	-2.5 to 2.5	Pass
	30	4.0	2.420	0.0034	-2.5 to 2.5	Pass
	40	4.0	-1.020	-0.0014	-2.5 to 2.5	Pass
	50	4.0	-4.112	-0.0058	-2.5 to 2.5	Pass



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2. 99% & 26dB Bandwidth

2.1 Band12\_OBW

#### 2.1.1 Test Result

			Band	: 12 / NTNV			
Bandwidth (MHz)	Modulation	Frequency	RB Allocation		99% Occupied Bandwidth (MHz)		Verdic
		(MHz)	Size	Offset	Result	Limit	verdict
1.4	QPSK	699.7	6	0	1.099	/	Pass
		707.5	6	0	1.103	/	Pass
		715.3	6	0	1.105	/	Pass
	16QAM	699.7	6	0	1.104	/	Pass
		707.5	6	0	1.100	/	Pass
		715.3	6	0	1.101	/	Pass
	64QAM	699.7	6	0	1.105	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.101	/	Pass
3	QPSK	700.5	15	0	2.739	/	Pass
		707.5	15	0	2.743	/	Pass
		714.5	15	0	2.753	/	Pass
	16QAM	700.5	15	0	2.749	/	Pass
		707.5	15	0	2.733	/	Pass
		714.5	15	0	2.736	/	Pass
	64QAM	700.5	15	0	2.746	/	Pass
		707.5	15	0	2.726	/	Pass
		714.5	15	0	2.737	/	Pass
5	QPSK	701.5	25	0	4.558	/	Pass
		707.5	25	0	4.538	/	Pass
		713.5	25	0	4.540	/	Pass
	16QAM	701.5	25	0	4.524	/	Pass
		707.5	25	0	4.544	/	Pass
		713.5	25	0	4.538	/	Pass
	64QAM	701.5	25	0	4.541	/	Pass
		707.5	25	0	4.559	/	Pass
		713.5	25	0	4.541	/	Pass
10	QPSK	704	50	0	9.053	/	Pass
		707.5	50	0	9.009	/	Pass
		711	50	0	9.022	/	Pass
	16QAM	704	50	0	9.021	/	Pass
		707.5	50	0	9.040	/	Pass
		711	50	0	9.032	/	Pass
	64QAM	704	50	0	9.013	/	Pass
		707.5	50	0	9.032	/	Pass
		711	50	0	9.059	1	Pass



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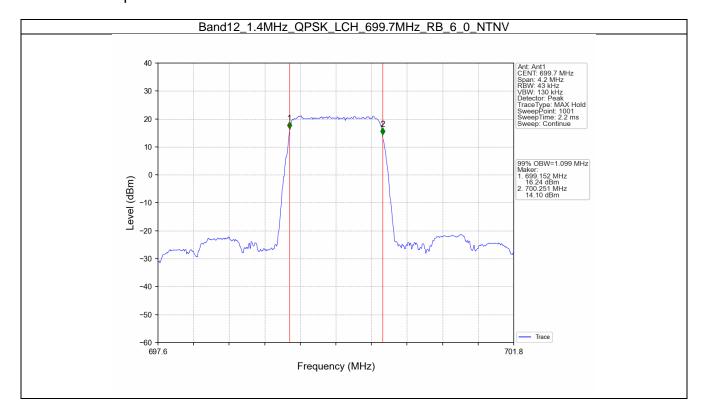


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#### 2.1.2 Test Graph





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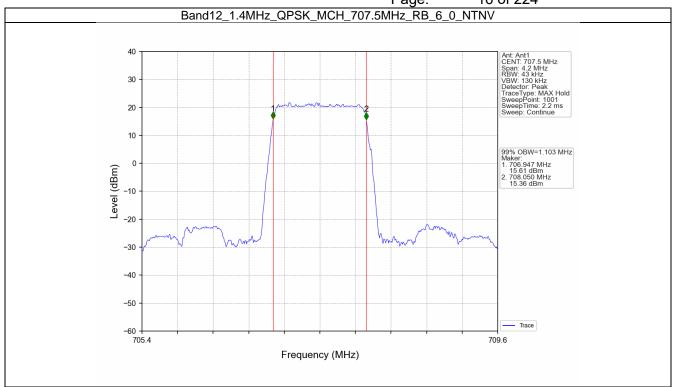
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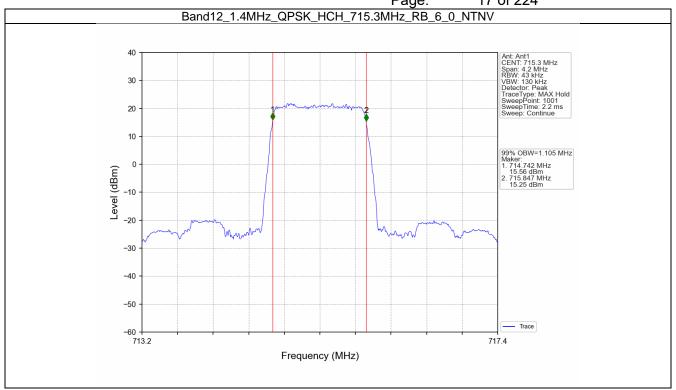
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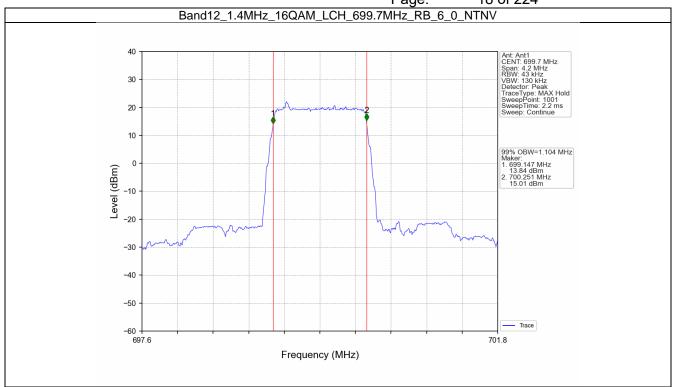
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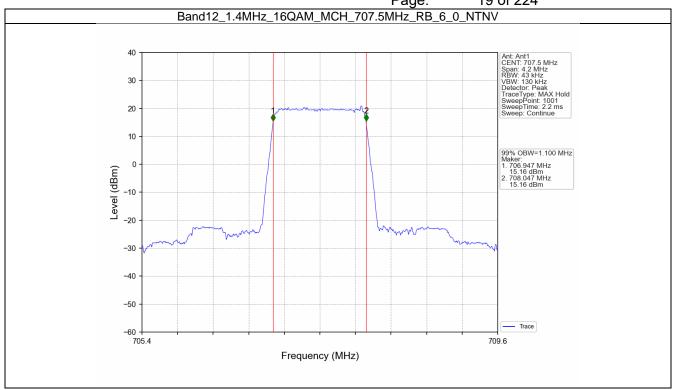
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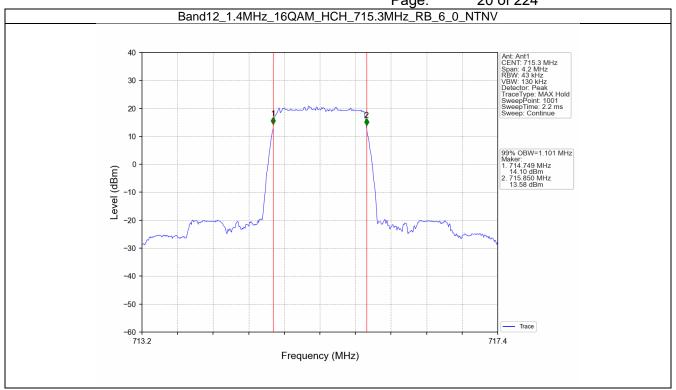
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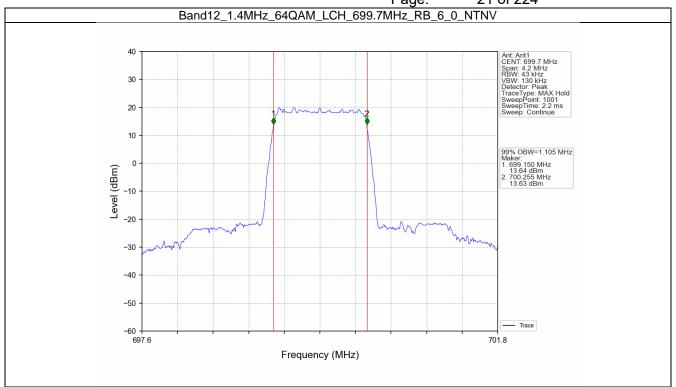
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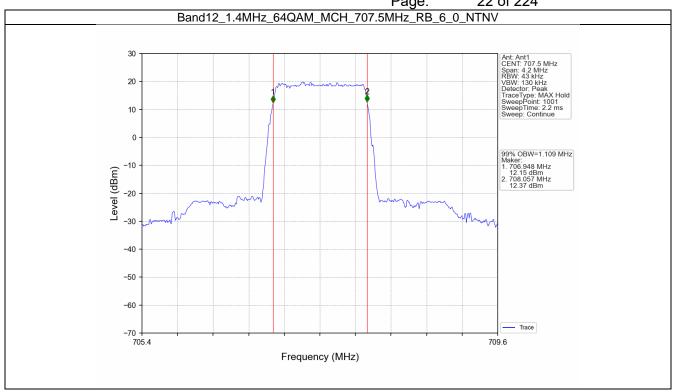
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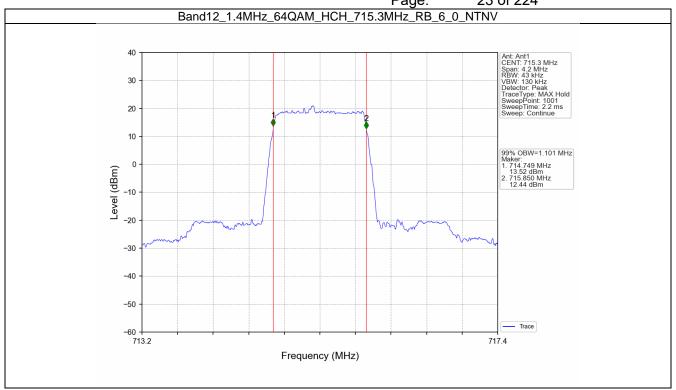
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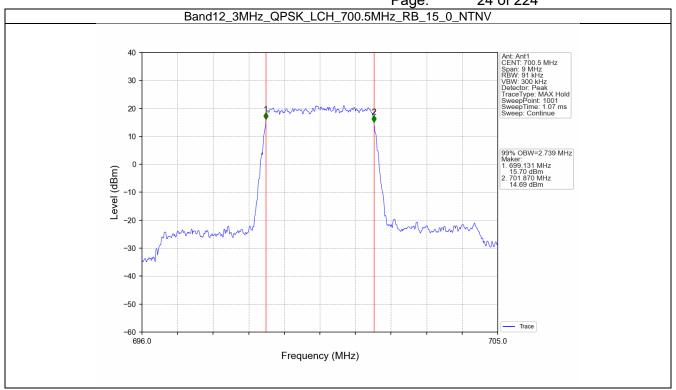
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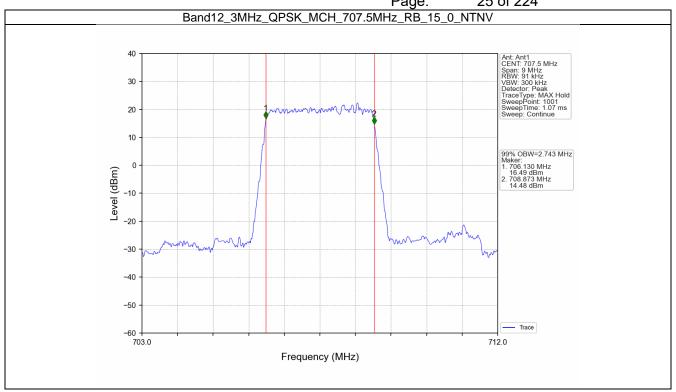
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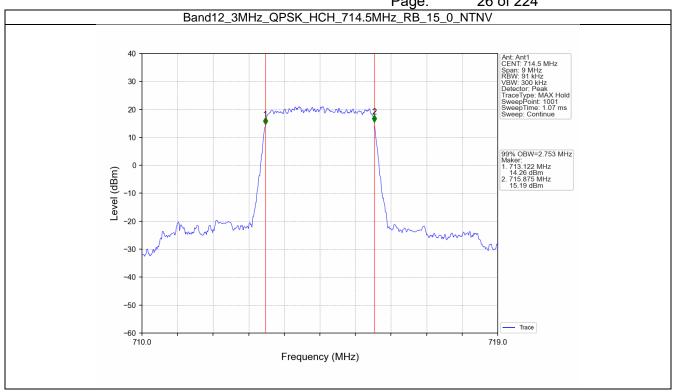
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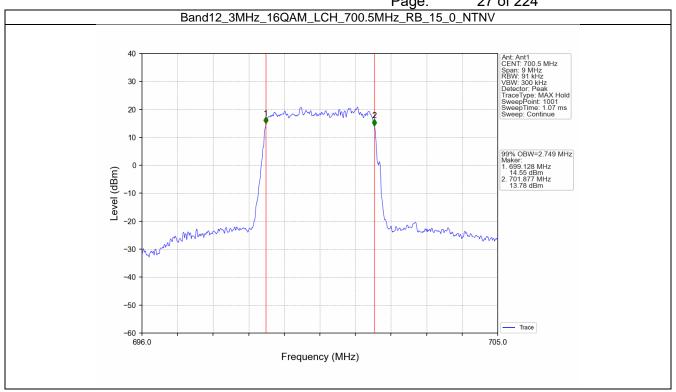
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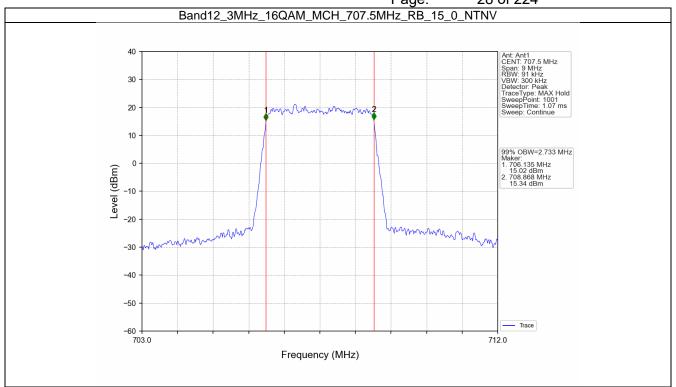
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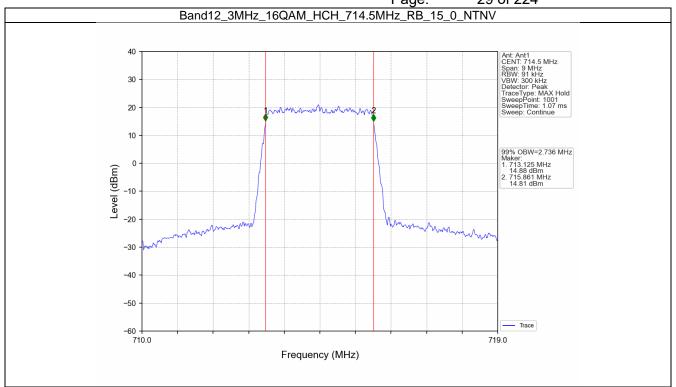
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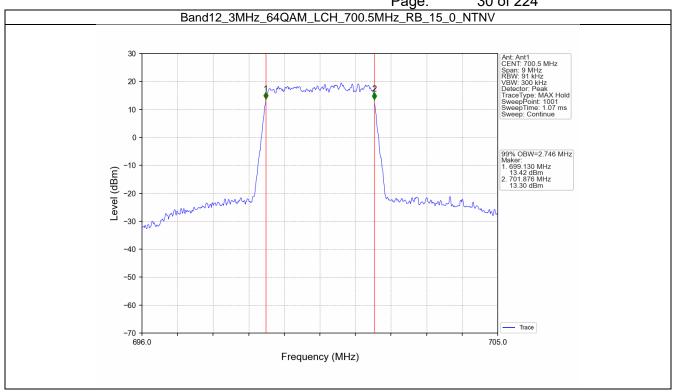
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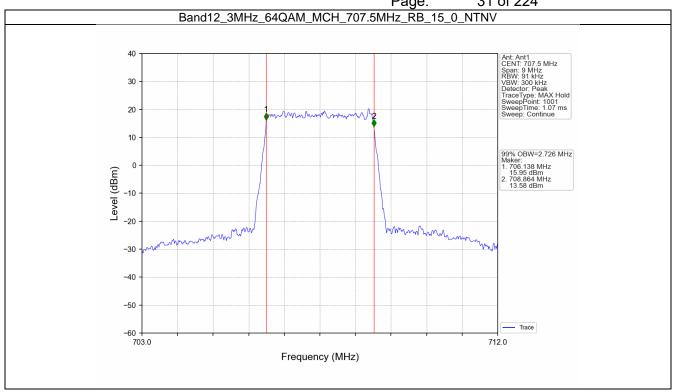
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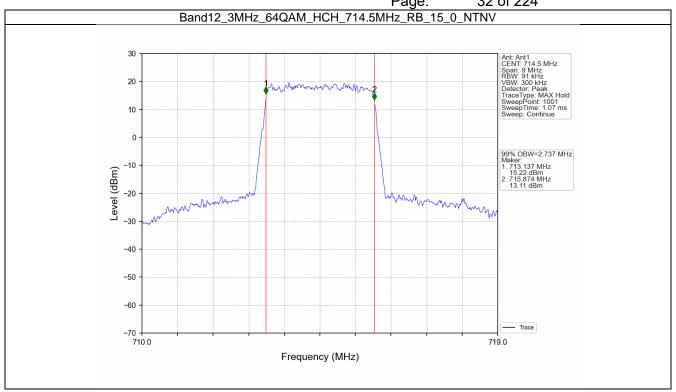
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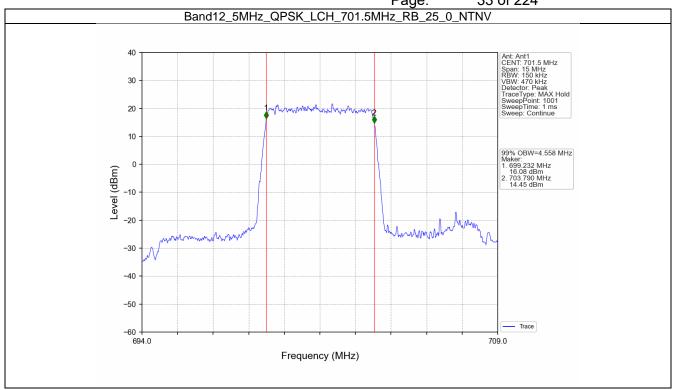
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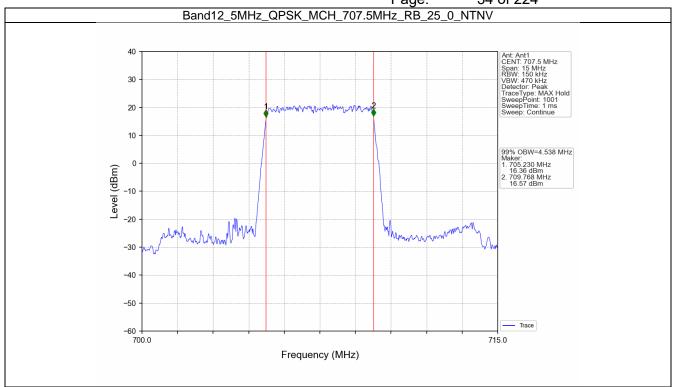
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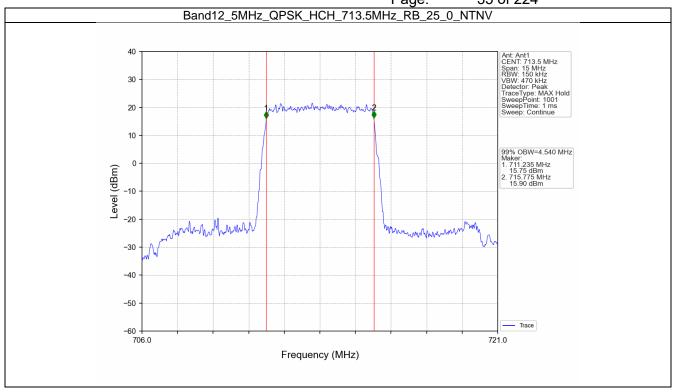
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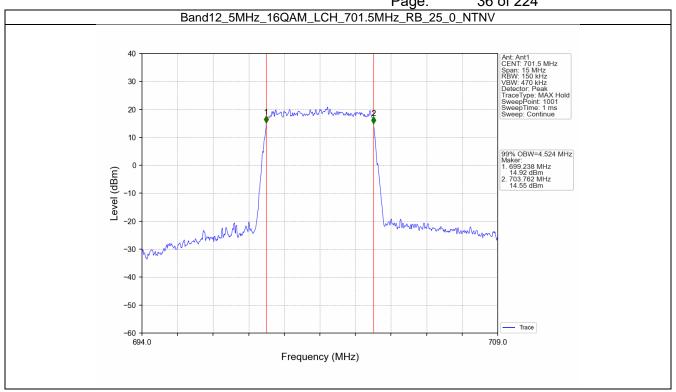
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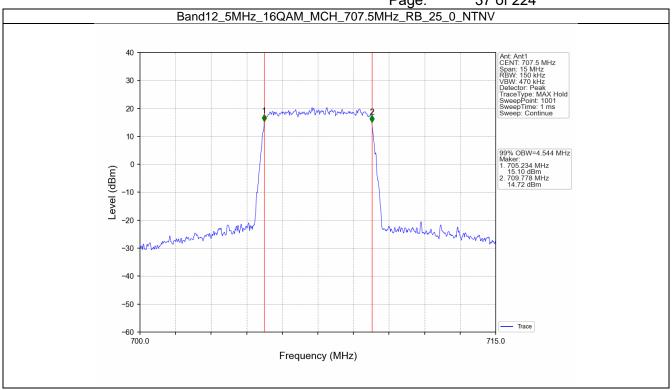
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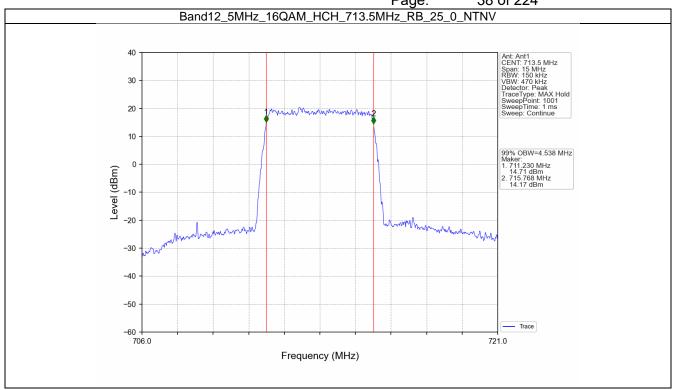
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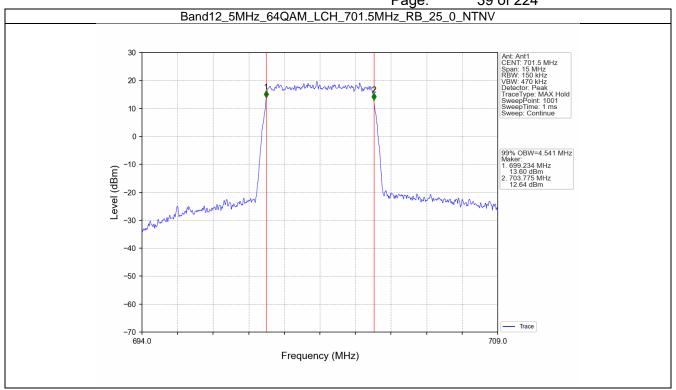
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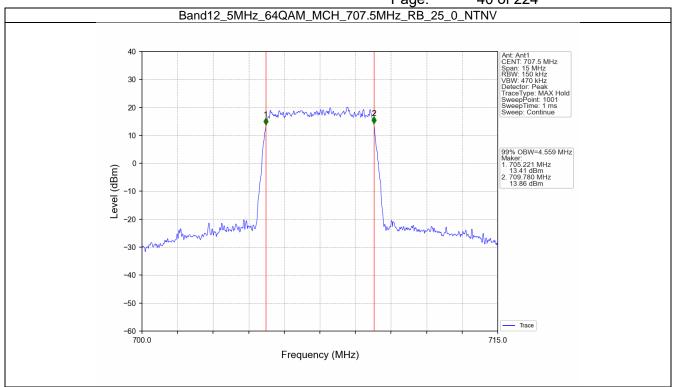
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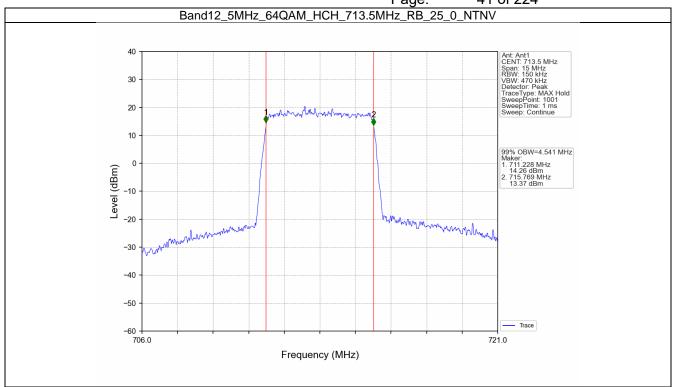
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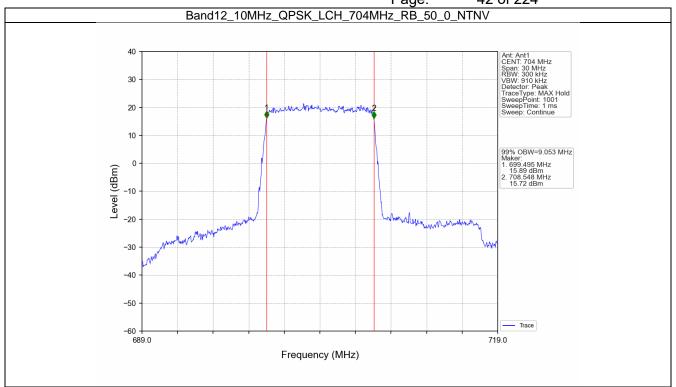
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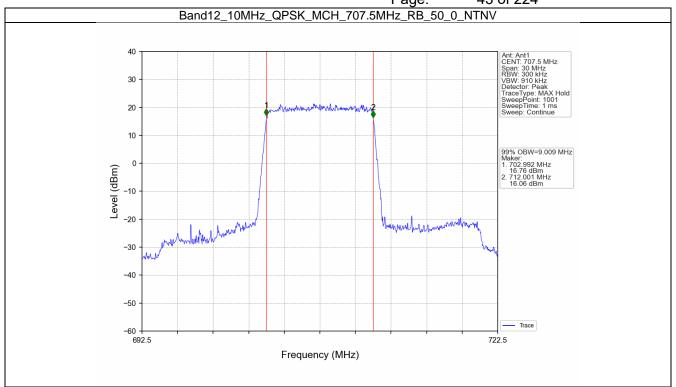
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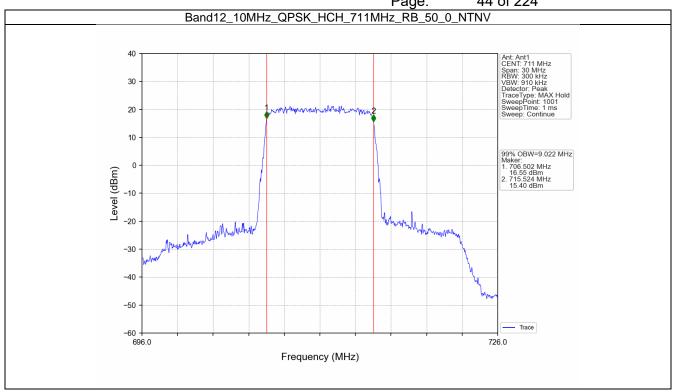
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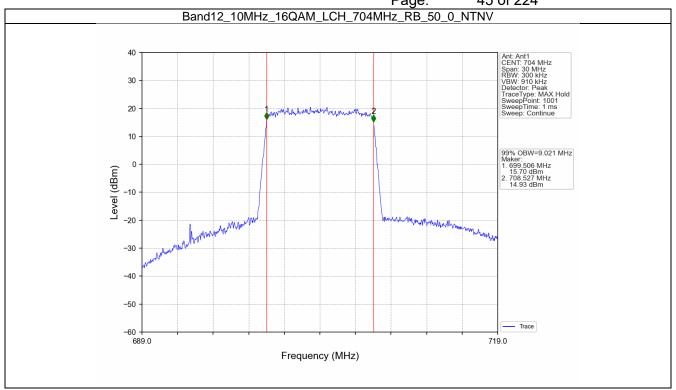
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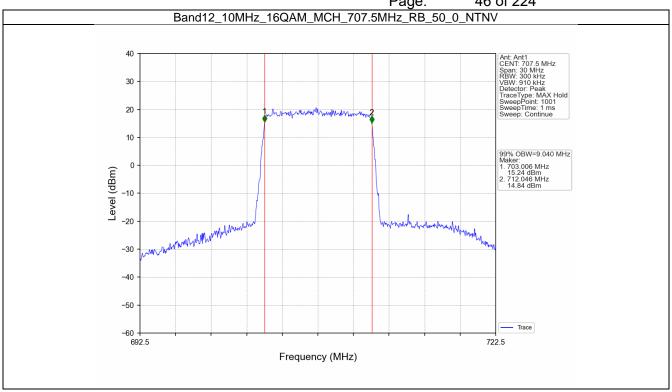
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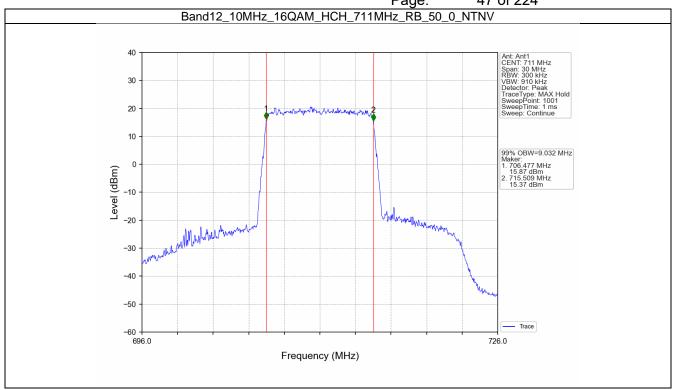
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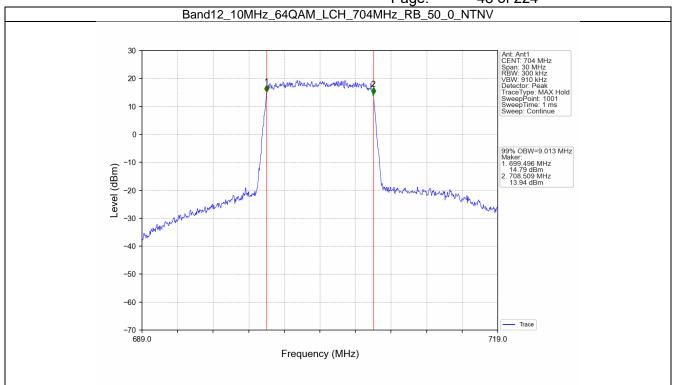
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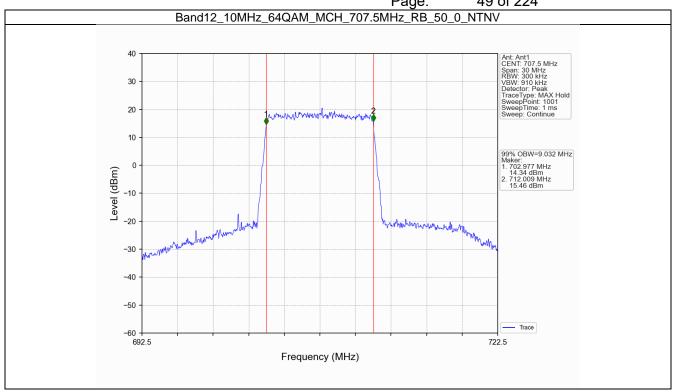
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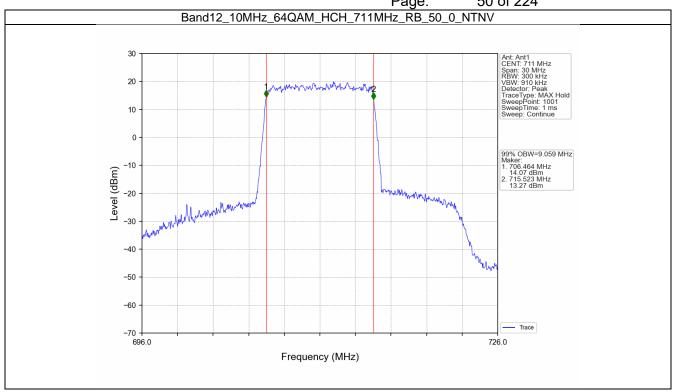
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#### 2.2 Band12\_XDB

#### 2.2.1 Test Result

			Band: 12	/ NTNV			
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Vardiet
			Size	Offset	Result	Limit	Verdict
1.4	QPSK	699.7	6	0	1.265	/	Pass
		707.5	6	0	1.254	/	Pass
		715.3	6	0	1.261	/	Pass
	16QAM	699.7	6	0	1.257	/	Pass
		707.5	6	0	1.254	/	Pass
		715.3	6	0	1.267	/	Pass
	64QAM	699.7	6	0	1.264	/	Pass
		707.5	6	0	1.274	/	Pass
		715.3	6	0	1.250	/	Pass
3	QPSK	700.5	15	0	3.059	/	Pass
		707.5	15	0	3.046	/	Pass
		714.5	15	0	3.092	/	Pass
	16QAM	700.5	15	0	3.063	/	Pass
		707.5	15	0	3.063	/	Pass
		714.5	15	0	3.074	/	Pass
	64QAM	700.5	15	0	3.066	/	Pass
		707.5	15	0	3.028	/	Pass
		714.5	15	0	3.071	/	Pass
5	QPSK	701.5	25	0	5.027	/	Pass
		707.5	25	0	5.054	/	Pass
		713.5	25	0	5.055	/	Pass
	16QAM	701.5	25	0	5.023	/	Pass
		707.5	25	0	5.037	/	Pass
		713.5	25	0	5.047	/	Pass
	64QAM	701.5	25	0	5.053	/	Pass
		707.5	25	0	5.038	/	Pass
		713.5	25	0	5.003	/	Pass
10	QPSK	704	50	0	9.917	/	Pass
		707.5	50	0	9.911	/	Pass
		711	50	0	9.914	/	Pass
	16QAM	704	50	0	9.943	/	Pass
		707.5	50	0	9.841	/	Pass
		711	50	0	9.964	/	Pass
	64QAM	704	50	0	9.898	/	Pass
		707.5	50	0	9.947	/	Pass
		711	50	0	9.919	/	Pass



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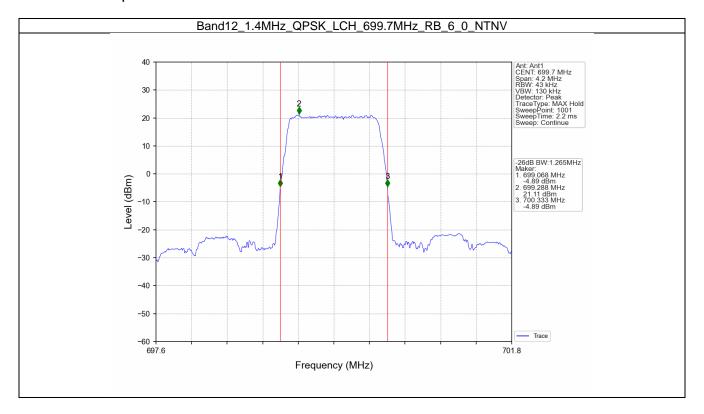


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#### 2.2.2 Test Graph





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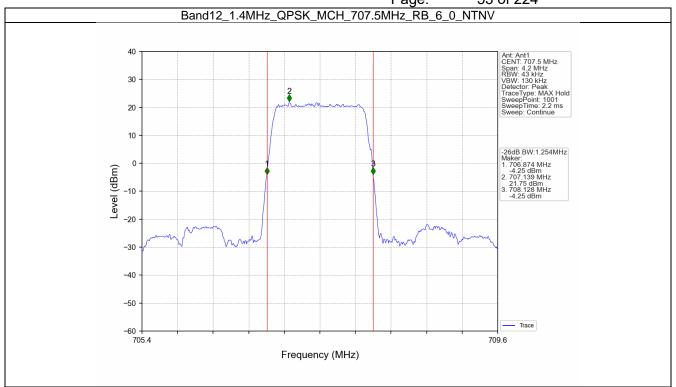
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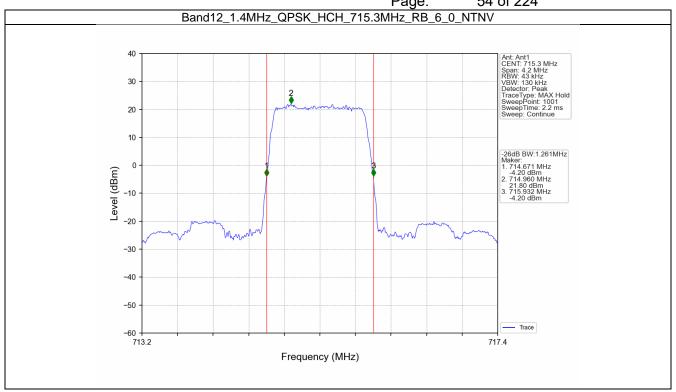
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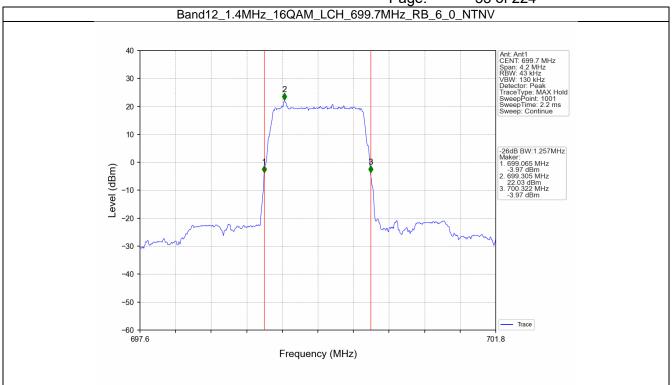
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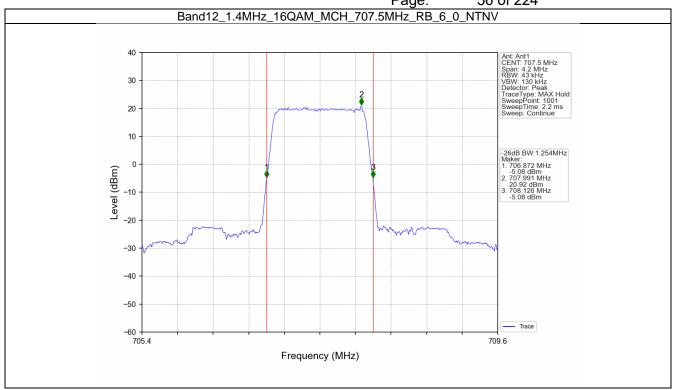
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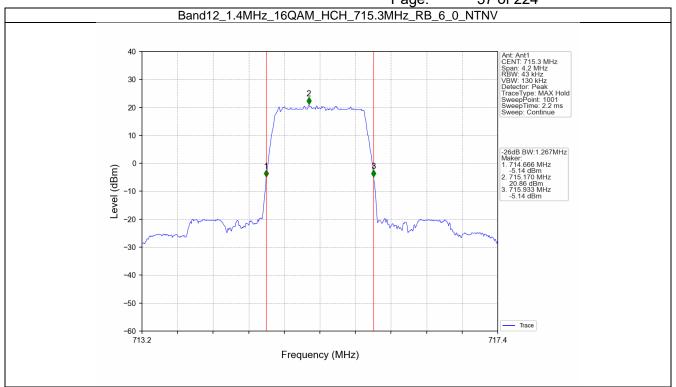
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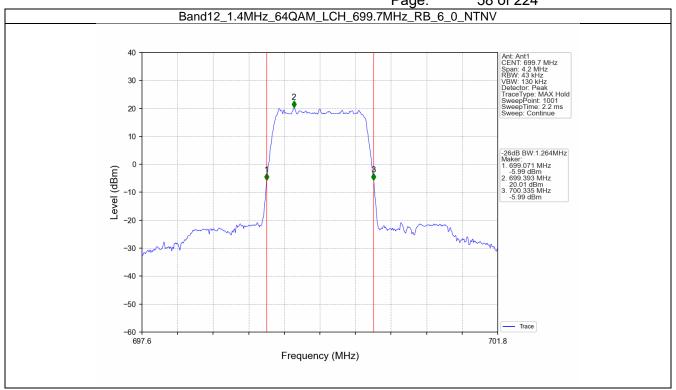
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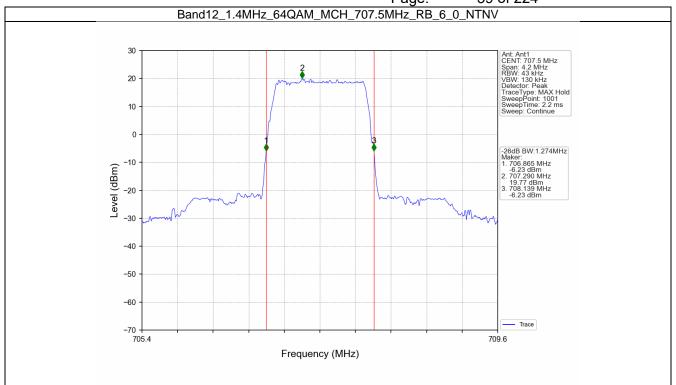
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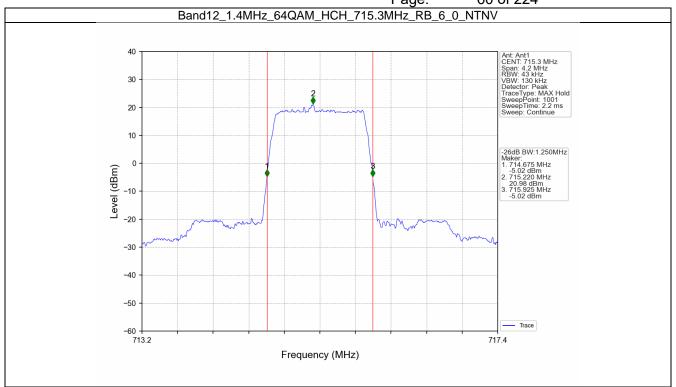
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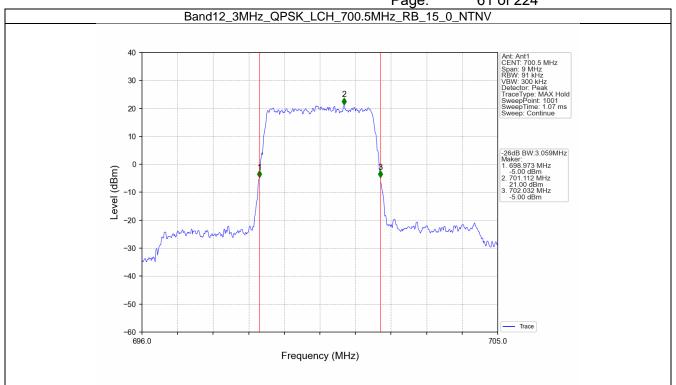
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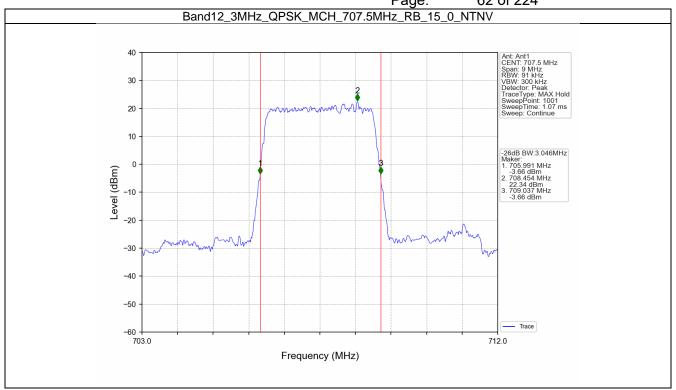
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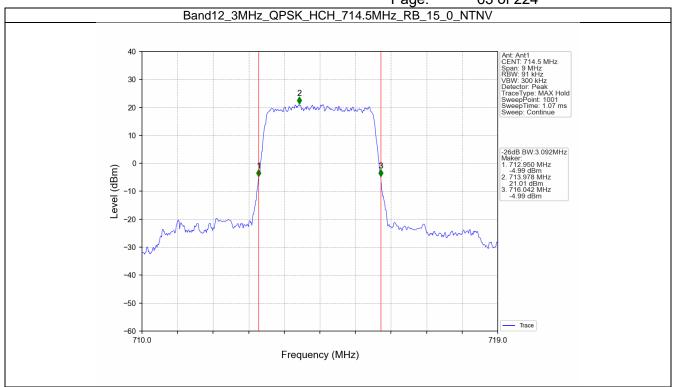
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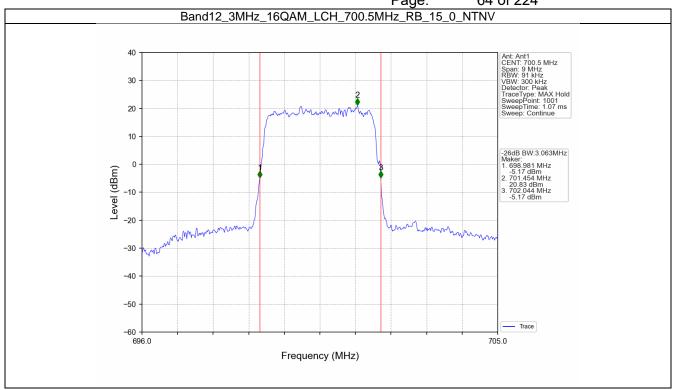
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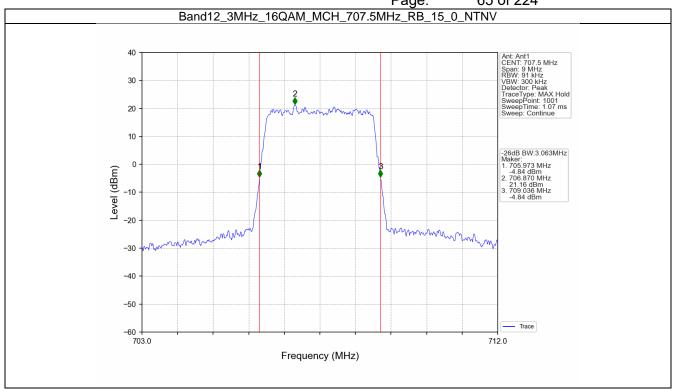
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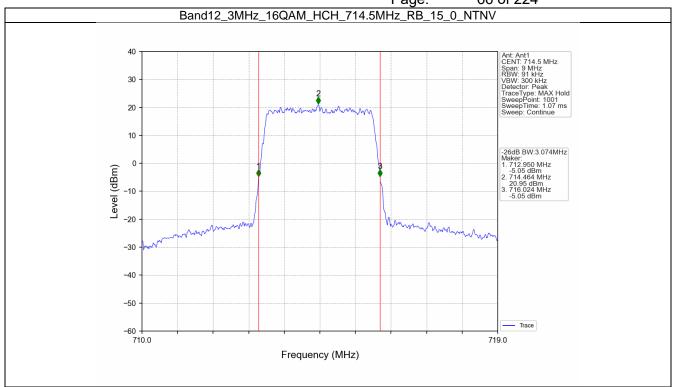
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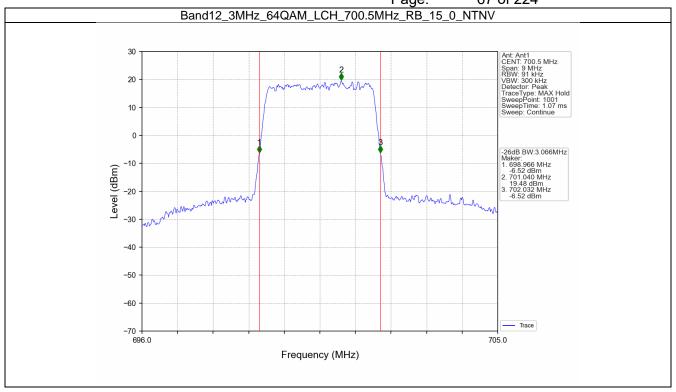
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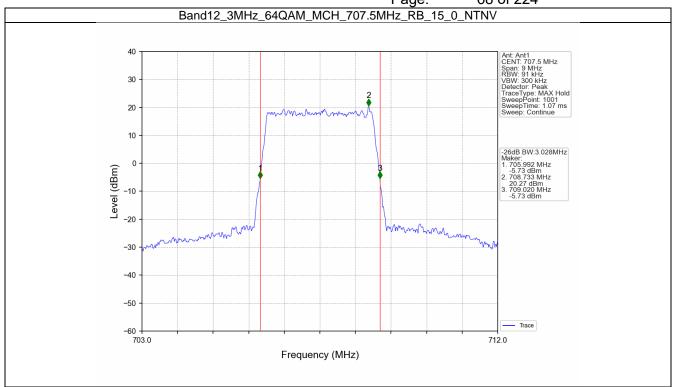
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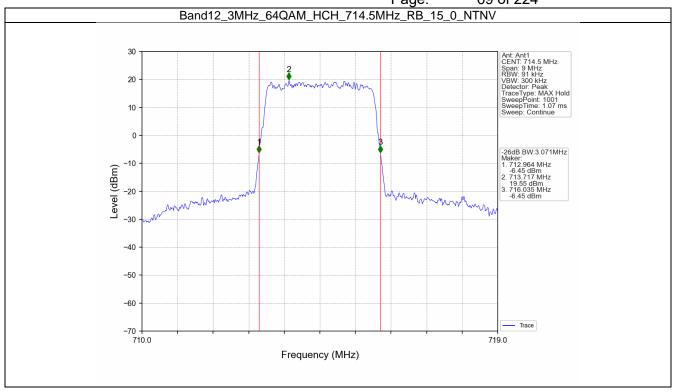
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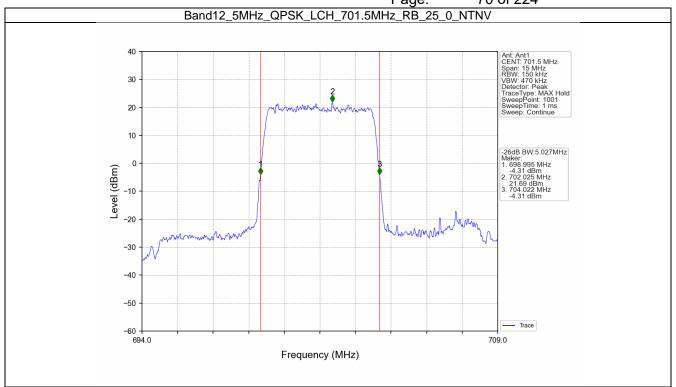
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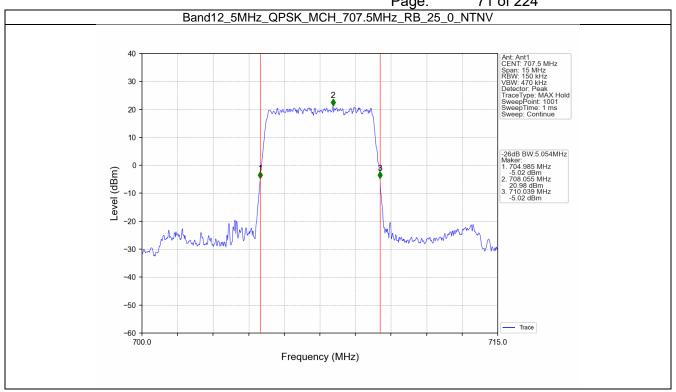
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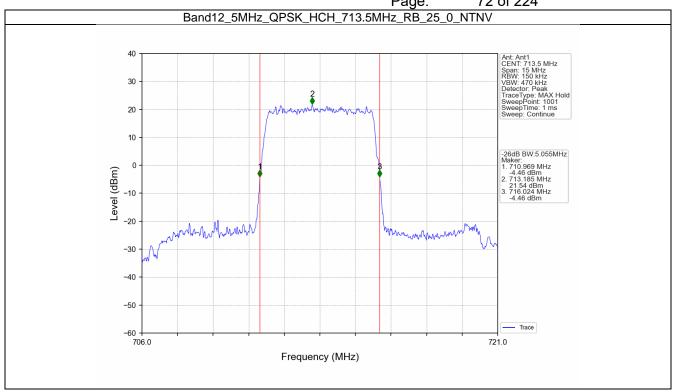
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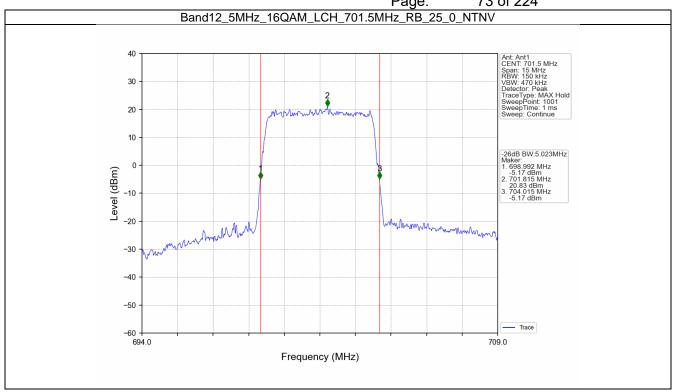
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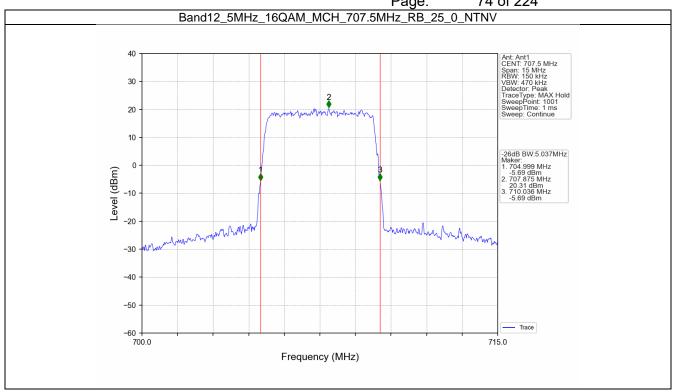
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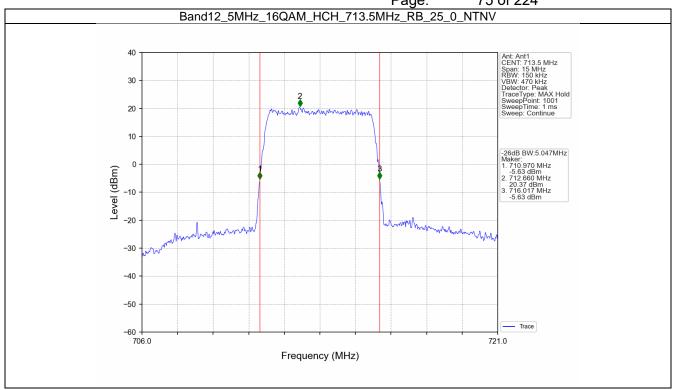
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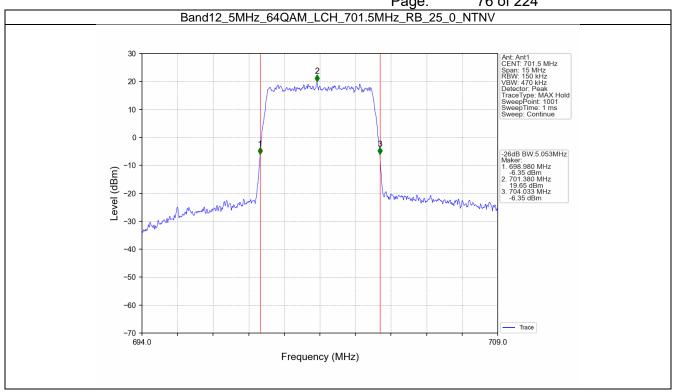
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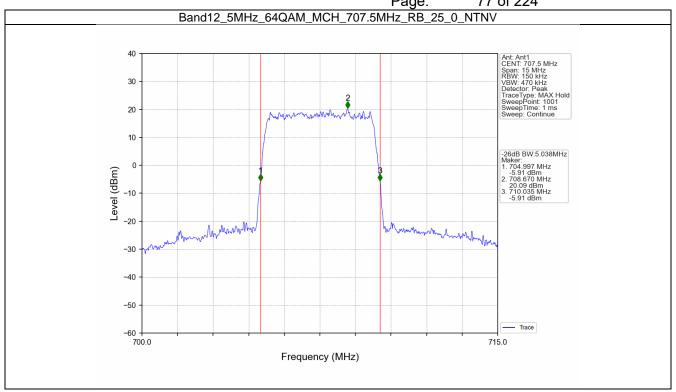
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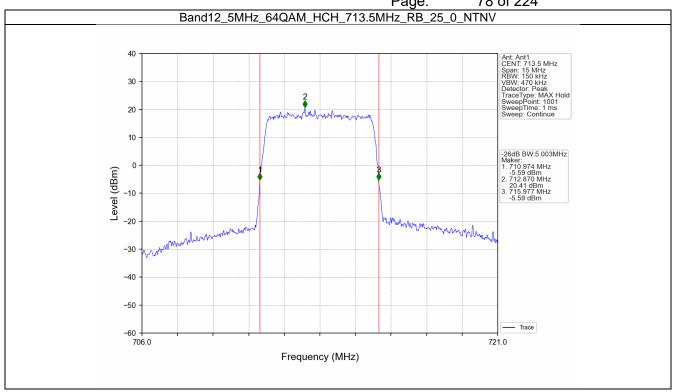
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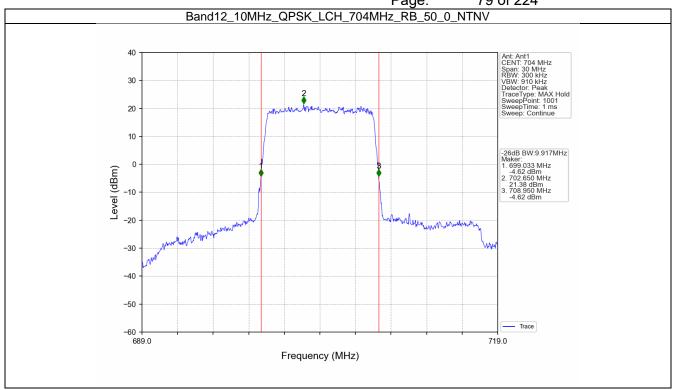
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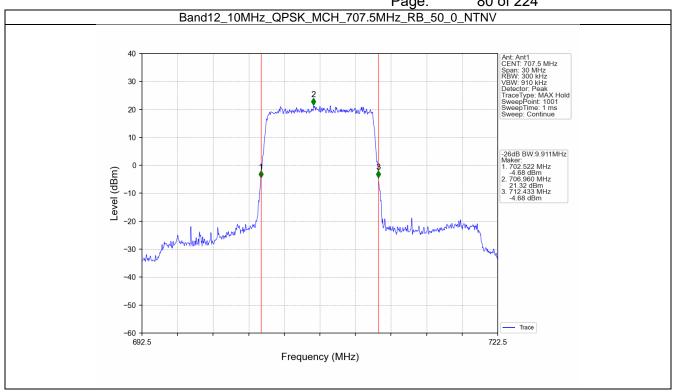
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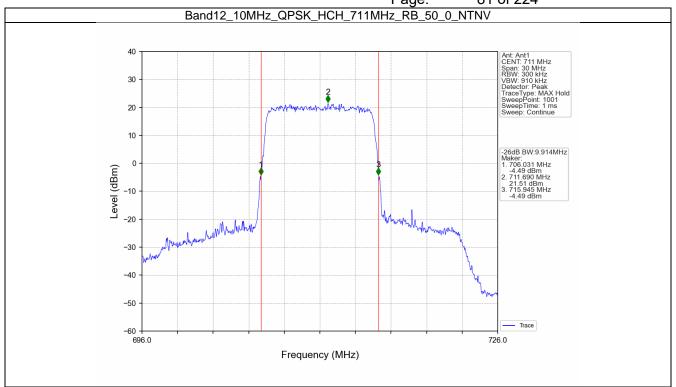
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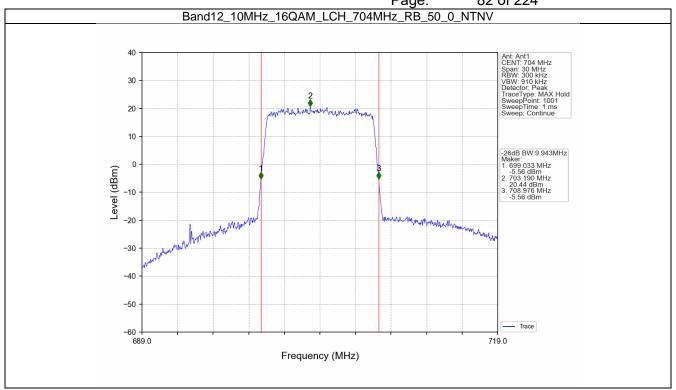
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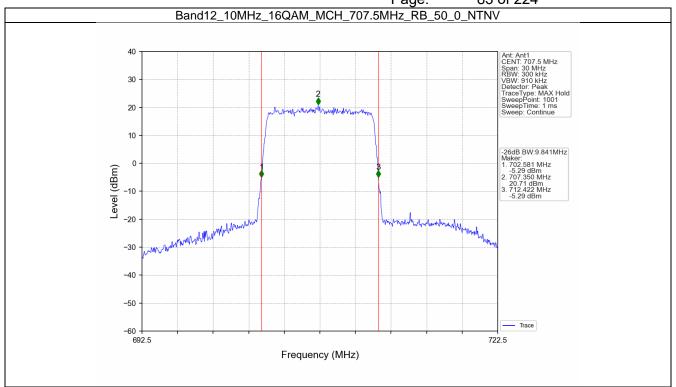
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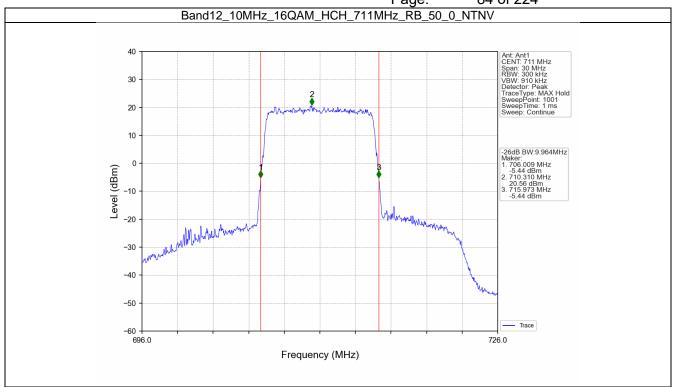
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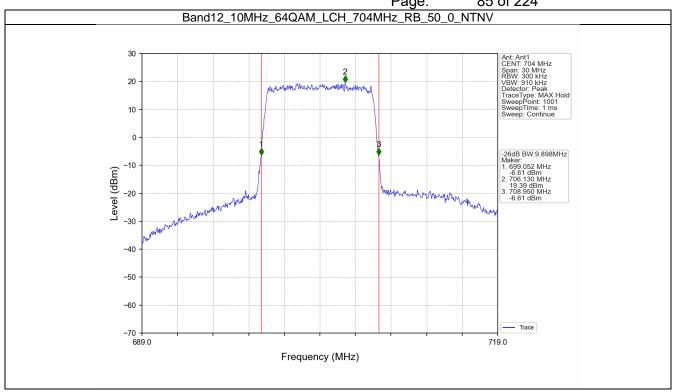
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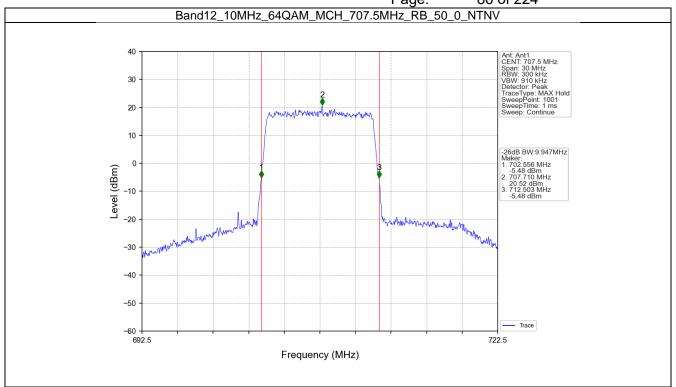
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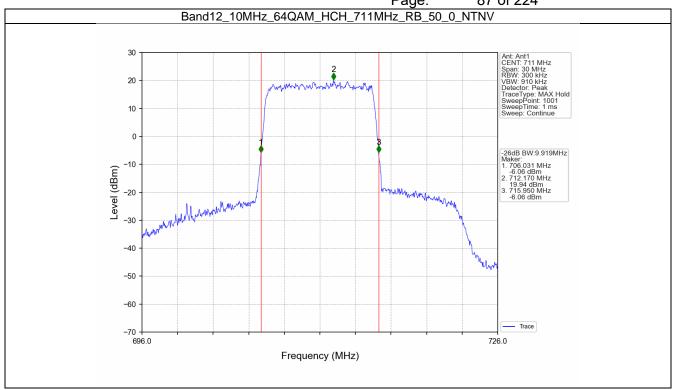
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### 3. Peak-Average Ratio

3.1 B12\_1.4MHz

### 3.1.1 Test Result

		Ban	d: 12 / Bandwidt	h: 1.4MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	verdict
QPSK	699.7	6	0	5.34	<=13	Pass
	707.5	6	0	5.38	<=13	Pass
	715.3	6	0	5.20	<=13	Pass
16QAM	699.7	6	0	6.16	<=13	Pass
	707.5	6	0	6.12	<=13	Pass
	715.3	6	0	5.98	<=13	Pass
64QAM	699.7	6	0	6.40	<=13	Pass
	707.5	6	0	6.79	<=13	Pass
	715.3	6	0	6.55	<=13	Pass



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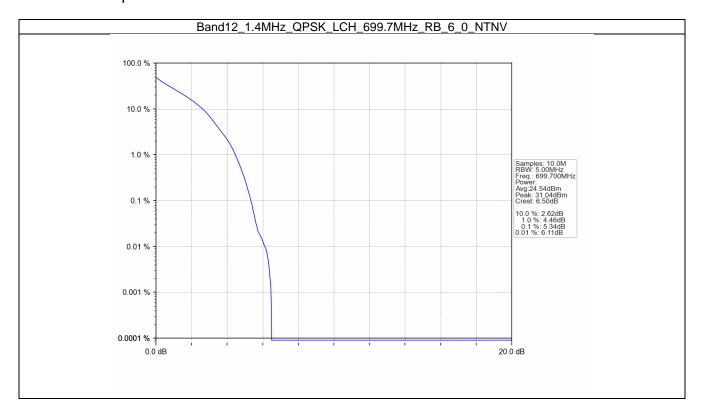


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### 3.1.2 Test Graph





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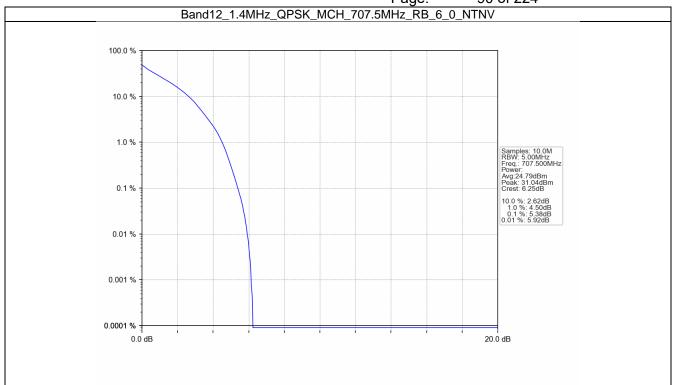
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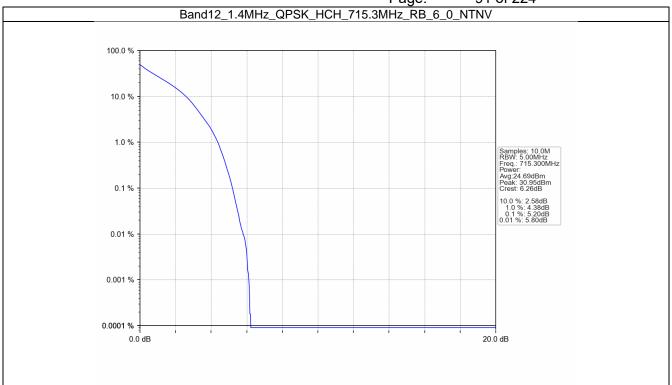
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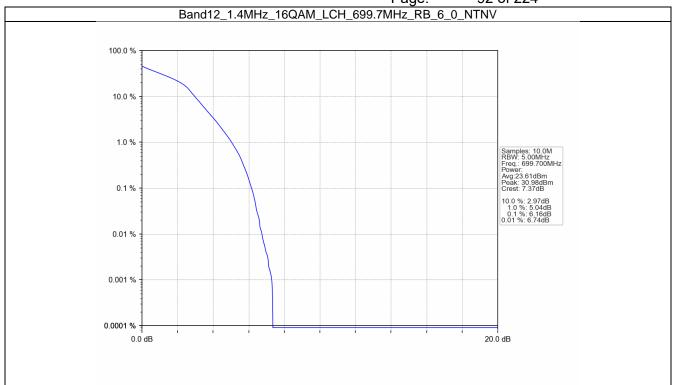
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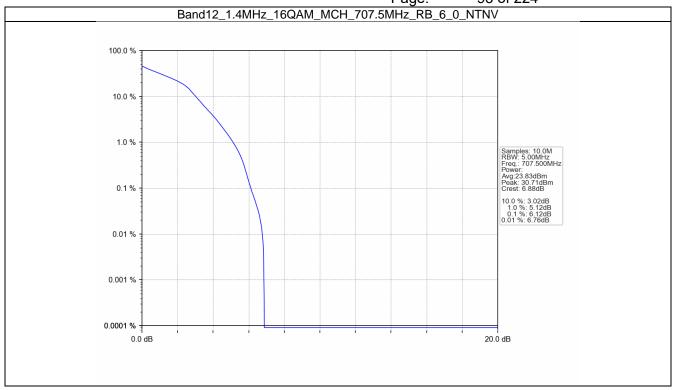
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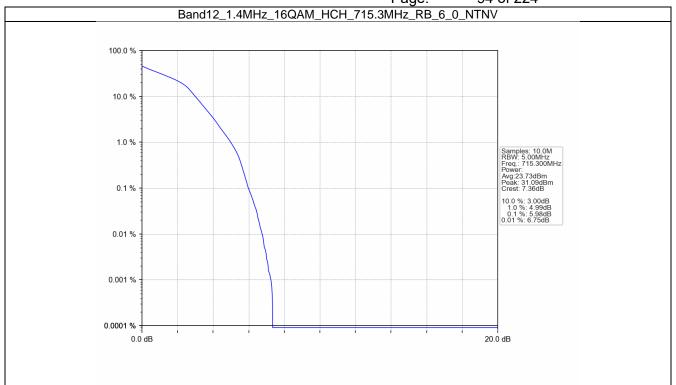
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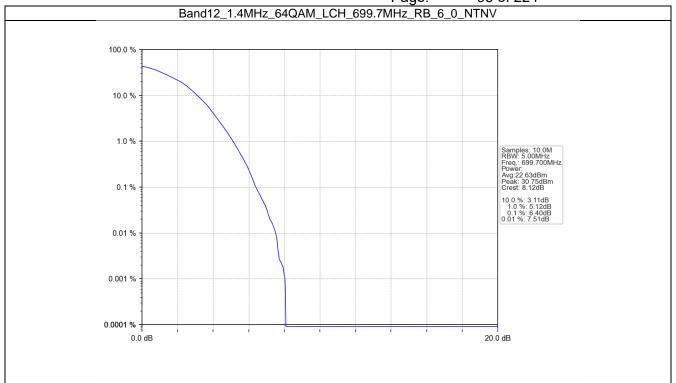
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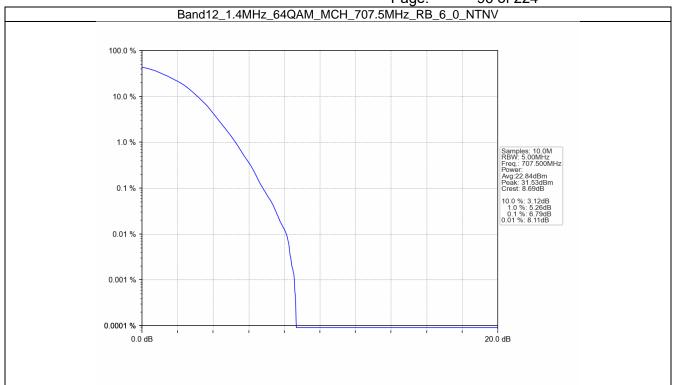
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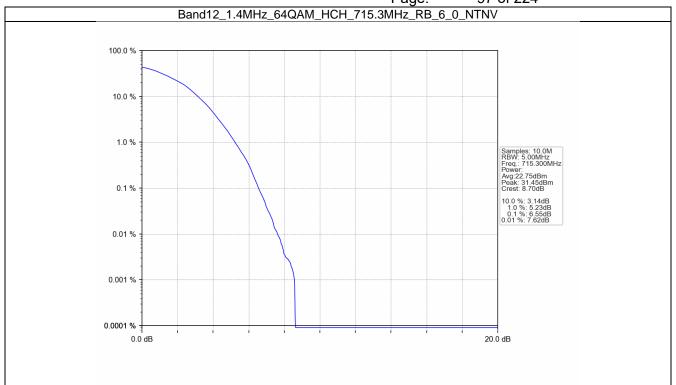
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### 3.2 B12\_3MHz

### 3.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Vardiet			
		Size	Offset	Result	Limit	Verdict			
QPSK	700.5	15	0	5.19	<=13	Pass			
	707.5	15	0	5.17	<=13	Pass			
	714.5	15	0	5.13	<=13	Pass			
16QAM	700.5	15	0	6.03	<=13	Pass			
	707.5	15	0	6.02	<=13	Pass			
	714.5	15	0	5.89	<=13	Pass			
64QAM	700.5	15	0	6.66	<=13	Pass			
	707.5	15	0	6.62	<=13	Pass			
	714.5	15	0	6.60	<=13	Pass			



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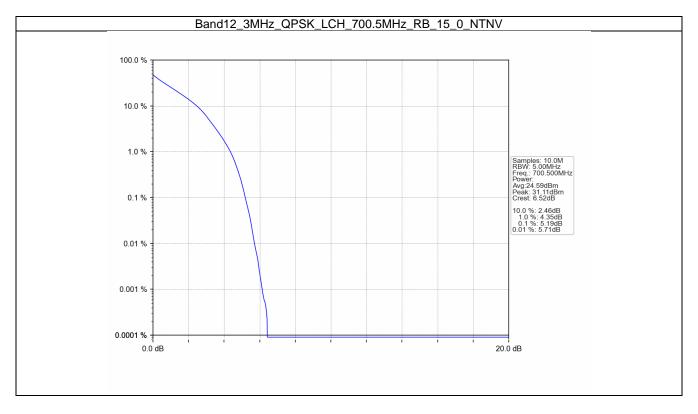


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### 3.2.2 Test Graph





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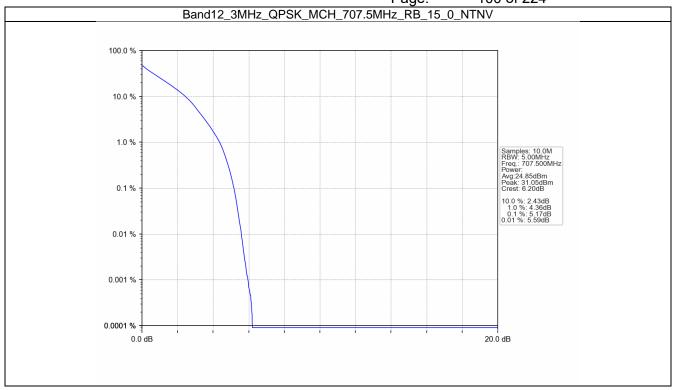
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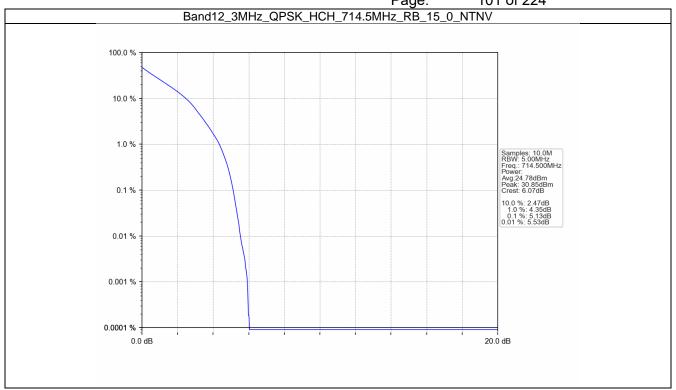
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