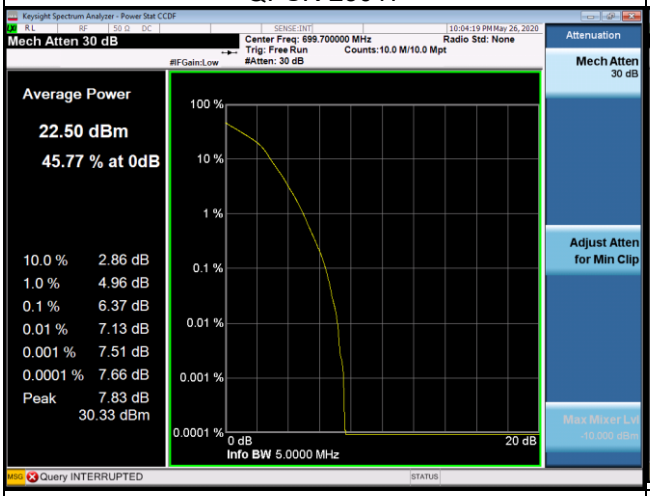
LTE Band 12_1.4M Spectrum Plot

QPSK-23017



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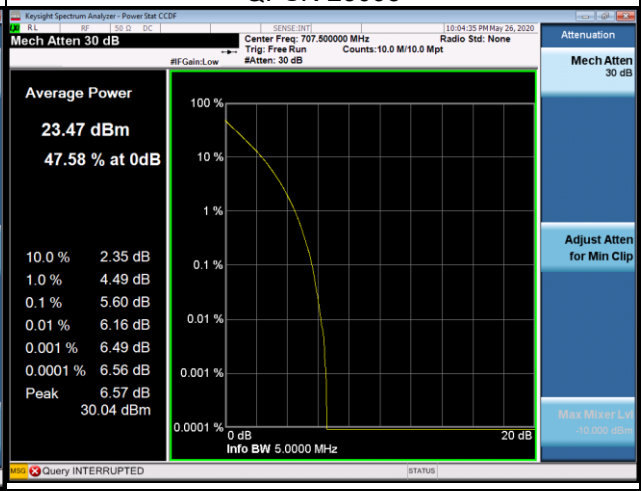

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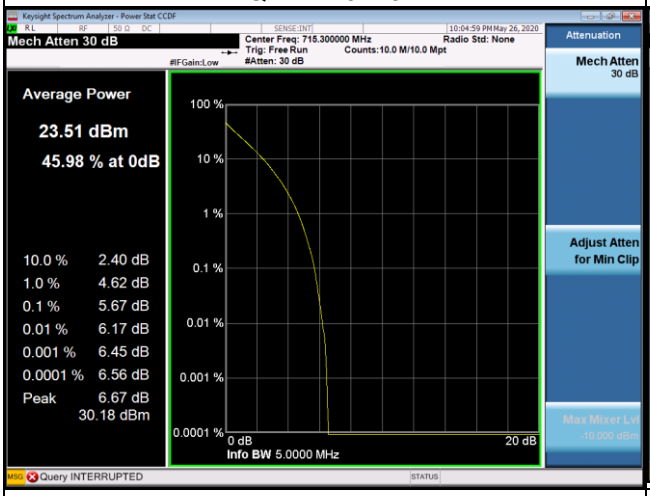

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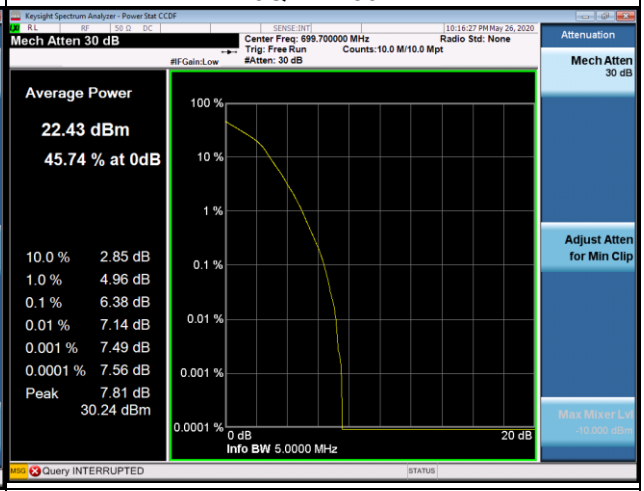

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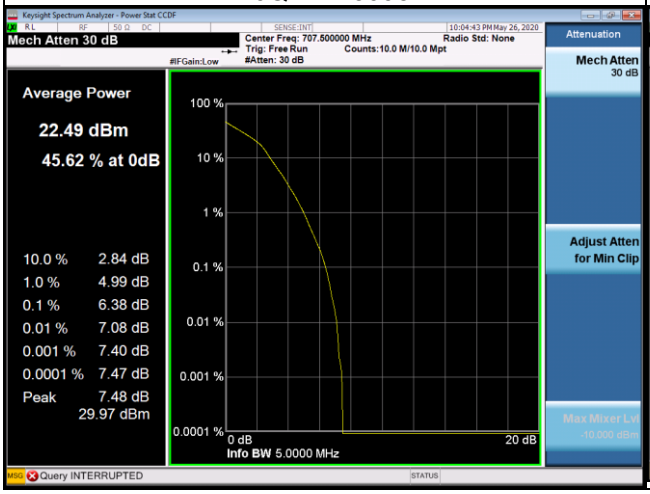

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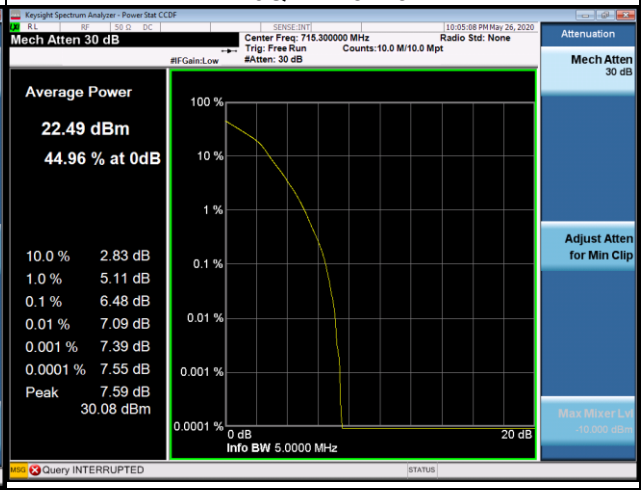
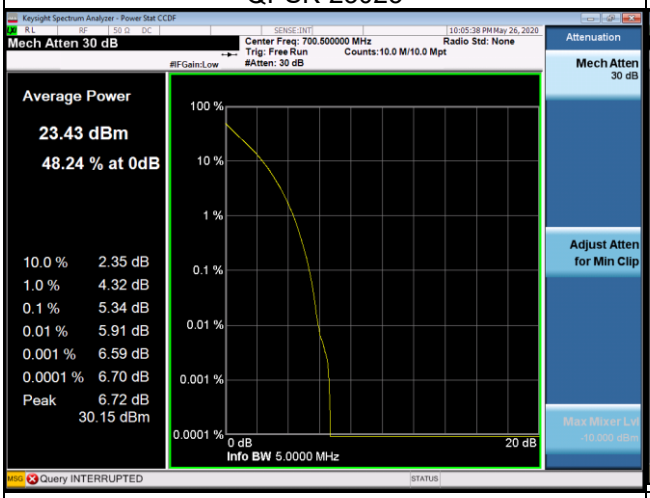


LTE Band 12_3M Spectrum Plot

QPSK-23025



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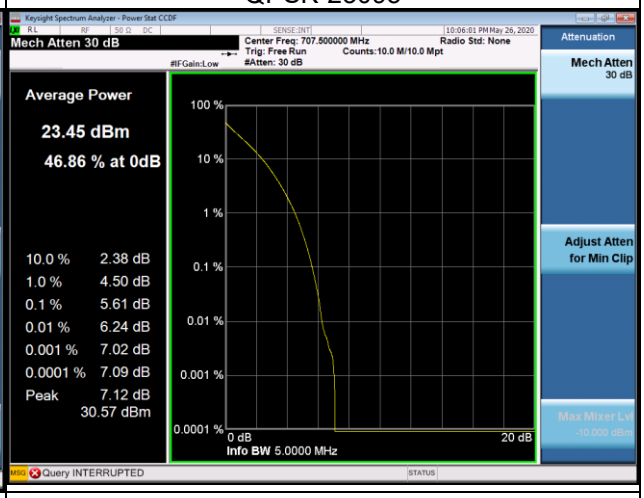

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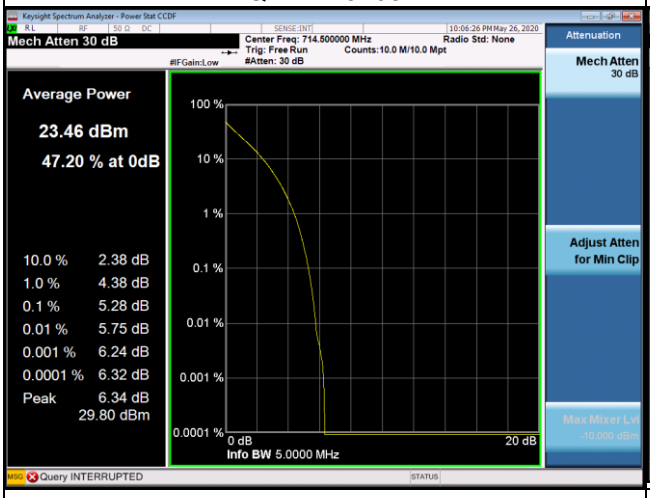

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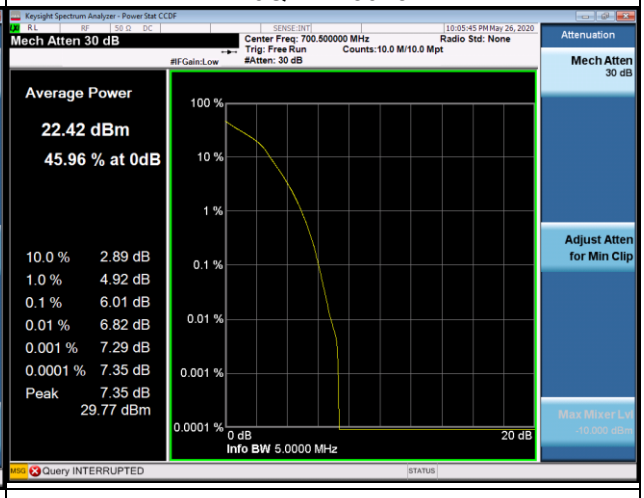

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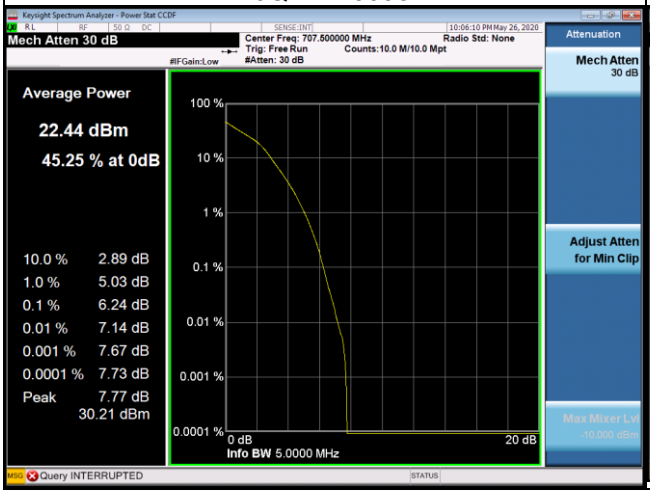

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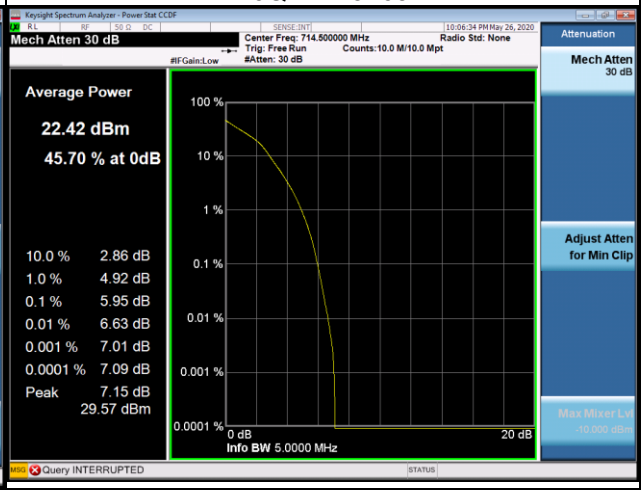
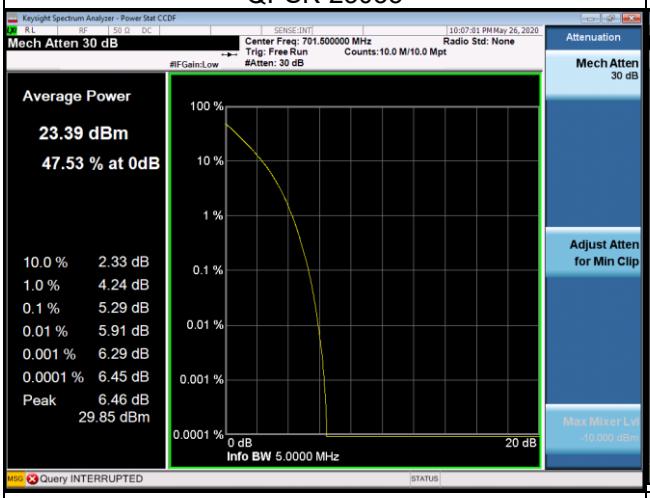


LTE Band 12_5M Spectrum Plot

QPSK-23035



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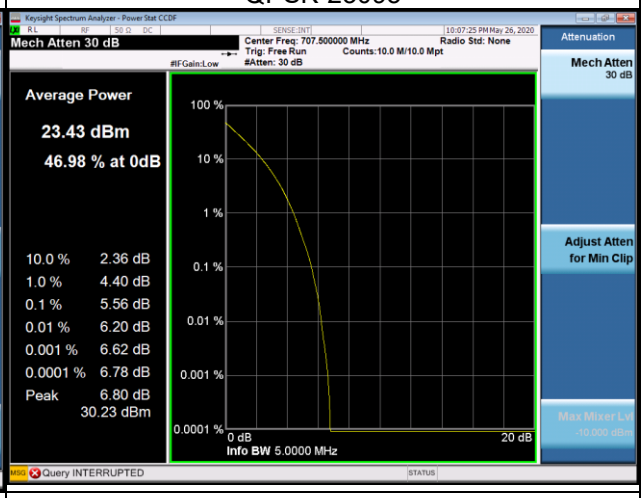

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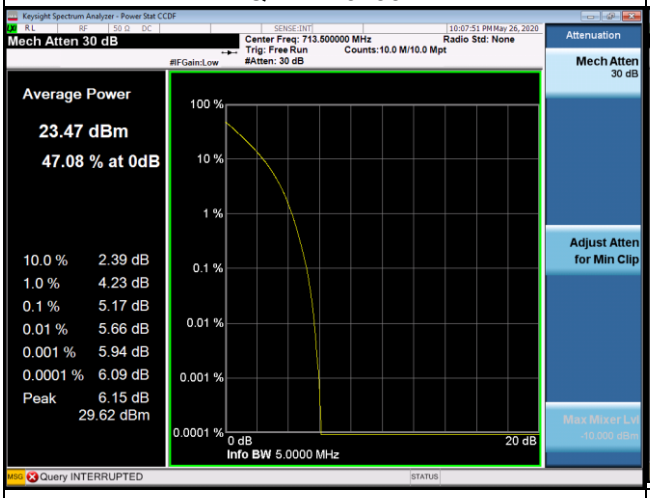

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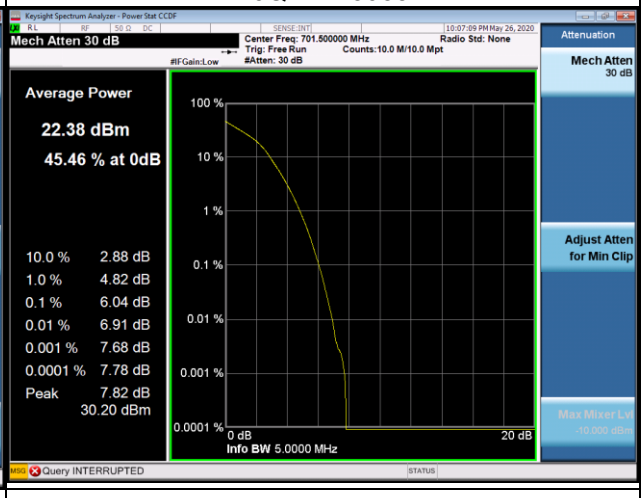

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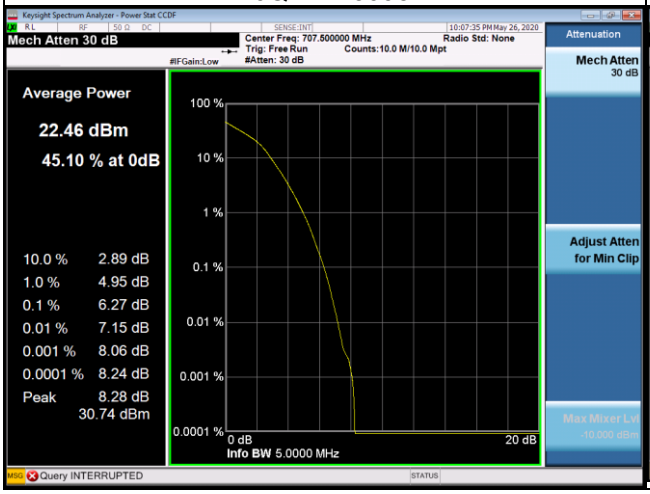

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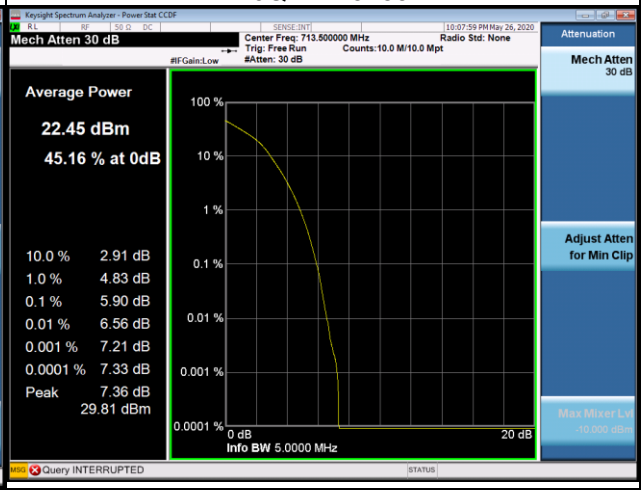
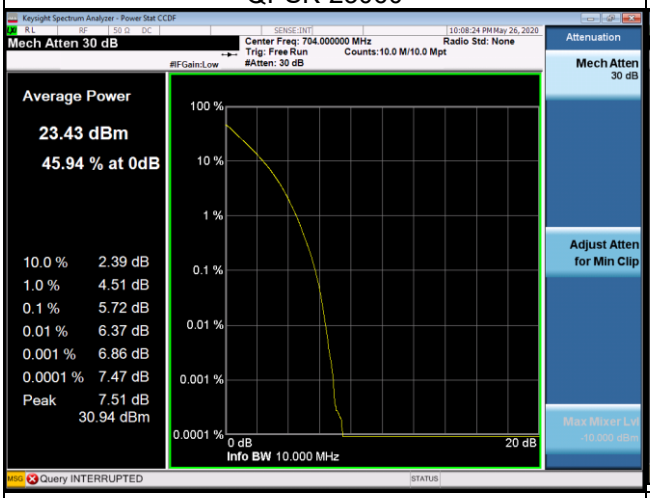


LTE Band 12_10M Spectrum Plot

QPSK-23060



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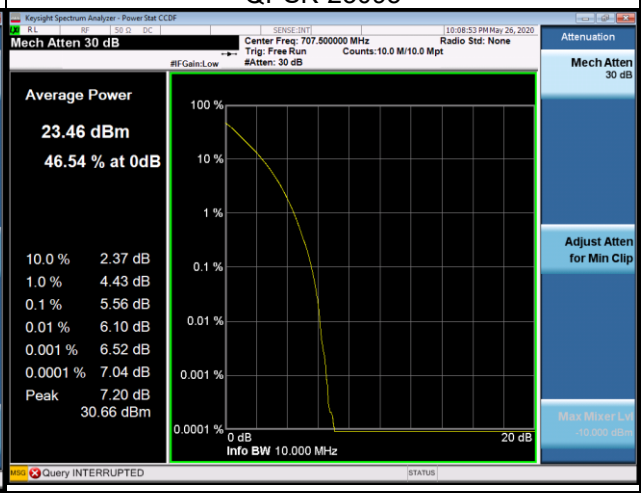

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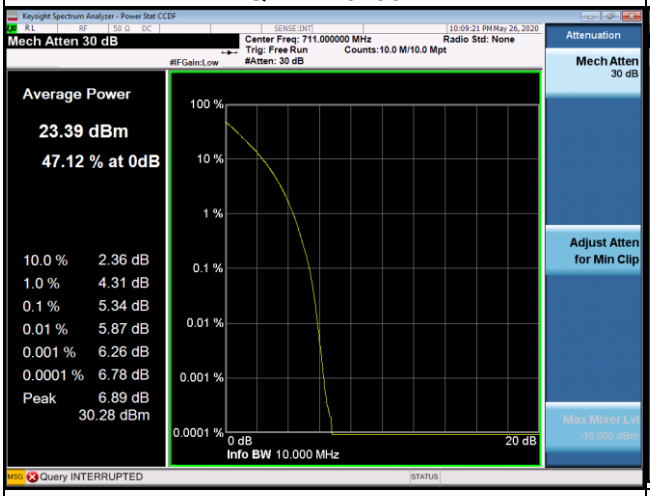

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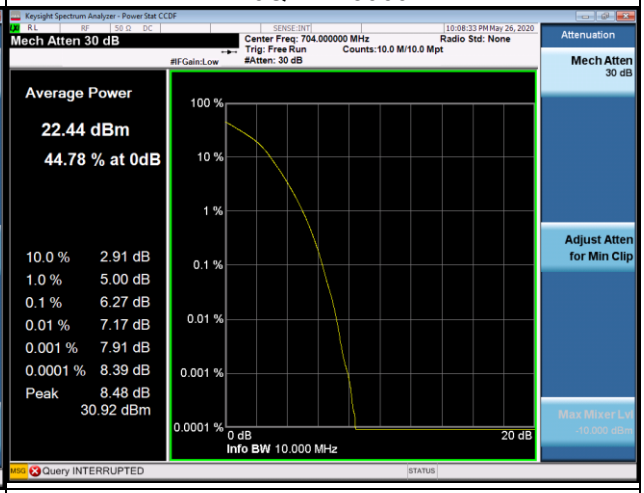

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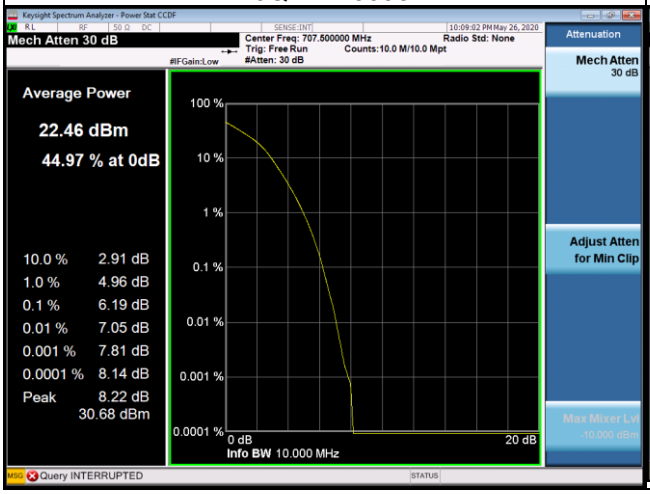

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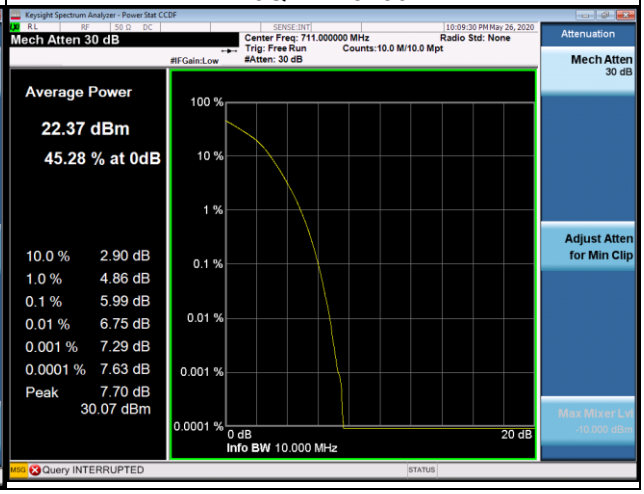

APPENDIX G FREQUENCY STABILITY

Test Mode	LTE Band 4 & LTE Band 12

Voltage	Frequency Error(ppm)										Limit(ppm)
	LTE Band4						LTE Band12				
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	1.4MHz	3MHz	5MHz	10MHz	
High Voltage	-0.0023	-0.0002	0.0033	-0.0046	0.0059	-0.0049	0.0006	0.0011	0.0029	0.0019	2.5
Normal Voltage	-0.005	-0.0069	0.0016	0.0041	-0.0041	-0.0007	-0.0022	-0.0031	-0.0021	0.0012	2.5
Low Voltage	-0.0027	0.0023	-0.0007	-0.0044	-0.001	0.0014	0.0087	-0.0033	0.0075	-0.0059	2.5

Temp	Frequency Error(ppm)										Limit(ppm)
	LTE Band4						LTE Band12				
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	1.4MHz	3MHz	5MHz	10MHz	
-40	0.0046	-0.0010	0.0077	-0.0042	0.0019	0.0085	0.0019	0.0038	0.0044	0.0023	2.5
-30	0.0024	0.0016	0.0016	0.0023	-0.0041	0.0030	0.0051	-0.0062	0.0030	-0.0017	2.5
-20	-0.0082	-0.0035	0.0036	0.0020	0.0077	-0.0017	0.0020	0.0047	-0.0062	-0.0037	2.5
-10	-0.0001	0.0036	-0.0024	0.0048	-0.0047	-0.0036	0.0016	-0.0049	0.0037	-0.0086	2.5
0	0.0082	0.0081	0.0034	0.0033	-0.0052	-0.0025	-0.0030	-0.0031	-0.0051	0.0032	2.5
10	0.0020	-0.0023	0.0043	0.0008	0.0010	-0.0071	-0.0052	-0.0008	0.0061	0.0077	2.5
20	-0.0031	-0.0012	0.0065	-0.0064	-0.0036	-0.0088	-0.0081	0.0027	0.0082	-0.0030	2.5
30	-0.0065	-0.0023	-0.0035	-0.0076	-0.0008	0.0044	0.0026	-0.0050	-0.0058	0.0089	2.5
40	-0.0030	-0.0073	0.0061	0.0046	0.0061	0.0074	0.0073	-0.0026	-0.0025	0.0047	2.5
50	0.0087	0.0008	0.0081	0.0033	-0.0024	-0.0044	0.0058	-0.0060	-0.0011	-0.0037	2.5
60	-0.0077	0.0010	0.0058	0.0085	-0.0048	0.0007	-0.0074	0.0058	0.0017	-0.0079	2.5
70	0.0057	0.0029	-0.0037	0.0049	0.0067	-0.0013	0.0031	-0.0055	-0.0041	-0.0089	2.5
80	0.0029	0.0087	0.0051	0.0007	-0.0045	0.0032	0.0057	0.0079	0.0030	0.0077	2.5
90	0.0047	0.0007	-0.0051	0.0057	0.0065	-0.0066	0.0077	-0.0015	-0.0084	0.0004	2.5
95	-0.0029	0.0000	0.0030	-0.0080	0.0018	0.0052	-0.0026	-0.0022	-0.0050	0.0071	2.5

End of Test Report