

Annex for FCC LTE Band 12

Test Report No. :CTL2203279012-WF09

Appendix A RF Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	25.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	25.28	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.98	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	25.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	25.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	25.07	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	24.05	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	25.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	25.12	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	25.06	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	25.07	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	25.04	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	24.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	25.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.99	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	25.05	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	25.04	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	25.00	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	24.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.02	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.83	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.81	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.79	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.82	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	23.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.84	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.80	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.83	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.87	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.80	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.83	PASS

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Band12	1.4MHz	16QAM	23173	1RB#2	23.95	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.84	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.83	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.95	PASS
Band12	3MHz	QPSK	23025	1RB#0	25.11	PASS
Band12	3MHz	QPSK	23025	1RB#8	25.17	PASS
Band12	3MHz	QPSK	23025	1RB#14	25.10	PASS
Band12	3MHz	QPSK	23025	8RB#0	24.05	PASS
Band12	3MHz	QPSK	23025	8RB#4	24.09	PASS
Band12	3MHz	QPSK	23025	8RB#7	24.04	PASS
Band12	3MHz	QPSK	23025	15RB#0	24.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	25.12	PASS
Band12	3MHz	QPSK	23095	1RB#8	25.13	PASS
Band12	3MHz	QPSK	23095	1RB#14	25.15	PASS
Band12	3MHz	QPSK	23095	8RB#0	24.03	PASS
Band12	3MHz	QPSK	23095	8RB#4	24.06	PASS
Band12	3MHz	QPSK	23095	8RB#7	24.05	PASS
Band12	3MHz	QPSK	23095	15RB#0	24.04	PASS
Band12	3MHz	QPSK	23165	1RB#0	25.03	PASS
Band12	3MHz	QPSK	23165	1RB#8	25.13	PASS
Band12	3MHz	QPSK	23165	1RB#14	25.18	PASS
Band12	3MHz	QPSK	23165	8RB#0	24.11	PASS
Band12	3MHz	QPSK	23165	8RB#4	24.10	PASS
Band12	3MHz	QPSK	23165	8RB#7	24.09	PASS
Band12	3MHz	QPSK	23165	15RB#0	24.03	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.01	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.05	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.82	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.06	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.07	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.99	PASS
Band12	3MHz	16QAM	23025	15RB#0	23.03	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.93	PASS
Band12	3MHz	16QAM	23095	1RB#8	24.00	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.85	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.99	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.06	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.05	PASS
Band12	3MHz	16QAM	23095	15RB#0	23.04	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.93	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.88	PASS
Band12	3MHz	16QAM	23165	1RB#14	24.01	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.06	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.09	PASS

Band12	3MHz	16QAM	23165	8RB#7	23.02	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.97	PASS
Band12	5MHz	QPSK	23035	1RB#12	25.08	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.98	PASS
Band12	5MHz	QPSK	23035	12RB#0	24.15	PASS
Band12	5MHz	QPSK	23035	12RB#6	24.19	PASS
Band12	5MHz	QPSK	23035	12RB#13	24.05	PASS
Band12	5MHz	QPSK	23035	25RB#0	24.04	PASS
Band12	5MHz	QPSK	23095	1RB#0	25.03	PASS
Band12	5MHz	QPSK	23095	1RB#12	25.13	PASS
Band12	5MHz	QPSK	23095	1RB#24	25.06	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.96	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.97	PASS
Band12	5MHz	QPSK	23095	12RB#13	24.07	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.97	PASS
Band12	5MHz	QPSK	23155	1RB#0	25.08	PASS
Band12	5MHz	QPSK	23155	1RB#12	25.18	PASS
Band12	5MHz	QPSK	23155	1RB#24	25.02	PASS
Band12	5MHz	QPSK	23155	12RB#0	24.20	PASS
Band12	5MHz	QPSK	23155	12RB#6	24.23	PASS
Band12	5MHz	QPSK	23155	12RB#13	24.11	PASS
Band12	5MHz	QPSK	23155	25RB#0	24.19	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.99	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.12	PASS
Band12	5MHz	16QAM	23035	1RB#24	24.03	PASS
Band12	5MHz	16QAM	23035	12RB#0	23.20	PASS
Band12	5MHz	16QAM	23035	12RB#6	23.20	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.04	PASS
Band12	5MHz	16QAM	23035	25RB#0	23.05	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.89	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.99	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.92	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.86	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.94	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.04	PASS
Band12	5MHz	16QAM	23095	25RB#0	23.03	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.99	PASS
Band12	5MHz	16QAM	23155	1RB#12	24.02	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.91	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.13	PASS
Band12	5MHz	16QAM	23155	12RB#6	23.16	PASS
Band12	5MHz	16QAM	23155	12RB#13	23.05	PASS
Band12	5MHz	16QAM	23155	25RB#0	23.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.99	PASS
Band12	10MHz	QPSK	23060	1RB#24	25.09	PASS

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Band12	10MHz	QPSK	23060	1RB#49	24.99	PASS
Band12	10MHz	QPSK	23060	25RB#0	24.25	PASS
Band12	10MHz	QPSK	23060	25RB#12	24.22	PASS
Band12	10MHz	QPSK	23060	25RB#25	24.34	PASS
Band12	10MHz	QPSK	23060	50RB#0	24.26	PASS
Band12	10MHz	QPSK	23095	1RB#0	25.06	PASS
Band12	10MHz	QPSK	23095	1RB#24	25.26	PASS
Band12	10MHz	QPSK	23095	1RB#49	25.13	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.94	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.93	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.90	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	25.06	PASS
Band12	10MHz	QPSK	23130	1RB#24	25.16	PASS
Band12	10MHz	QPSK	23130	1RB#49	25.03	PASS
Band12	10MHz	QPSK	23130	25RB#0	24.11	PASS
Band12	10MHz	QPSK	23130	25RB#12	24.14	PASS
Band12	10MHz	QPSK	23130	25RB#25	24.05	PASS
Band12	10MHz	QPSK	23130	50RB#0	24.07	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.96	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.06	PASS
Band12	10MHz	16QAM	23060	1RB#49	24.02	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.22	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.21	PASS
Band12	10MHz	16QAM	23060	25RB#25	23.33	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.31	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.87	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.97	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.89	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.93	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.91	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.89	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.96	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.75	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.92	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.73	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.10	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.10	PASS
Band12	10MHz	16QAM	23130	25RB#25	23.05	PASS
Band12	10MHz	16QAM	23130	50RB#0	23.06	PASS

Appendix B Max Effective Radiated Power

Test Result

LTE Band 12								
Antenna Gain(dBi)		1.25						
ERP Limit(W)		3.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Output Power (dBm)	ERP (dBm)	ERP (W)	99% BW (KHz)	Emission Designator
1.4	QPSK	699.7	715.3	25.34	24.44	0.27797	1093.6	1M09G7D
	16QAM			24.02	23.12	0.20512	1098.5	1M10W7D
3.0	QPSK	700.5	714.5	25.18	24.28	0.26792	2694.5	2M69G7D
	16QAM			24.05	23.15	0.20654	2681.5	2M68W7D
5.0	QPSK	701.5	713.5	25.18	24.28	0.26792	4538.8	4M54G7D
	16QAM			24.12	23.22	0.20989	4550.3	4M55W7D
10.0	QPSK	704.0	711.0	25.26	24.36	0.27290	9060.9	9M06G7D
	16QAM			24.06	23.16	0.20701	9047.6	9M05W7D

Note: ERP= Conducted Output Power + Antenna Gain-2.15

Appendix C : Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.47	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.42	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.79	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.56	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.58	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.25	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.60	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.31	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	4.80	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.50	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.66	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.19	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.42	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.62	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.85	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.70	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.94	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.65	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.45	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.50	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.85	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.58	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.90	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.60	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.56	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.69	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.04	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.78	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.86	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.80	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.46	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.85	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.58	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.80	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.64	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.47	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.70	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.96	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.90	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.74	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.89	13	PASS

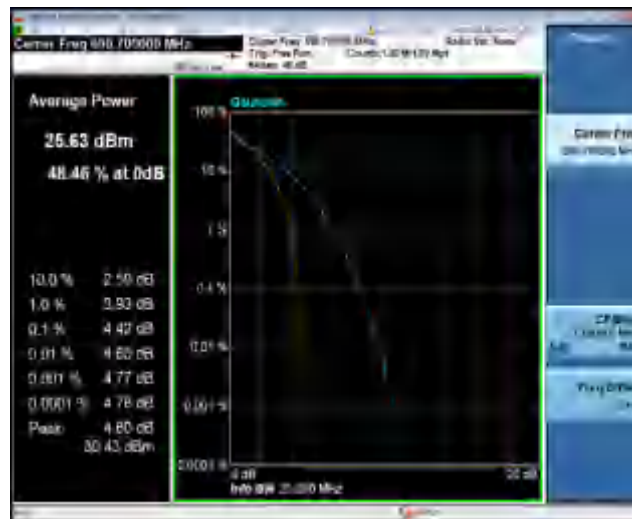
FCC ID:SMQSE120XPRO

Band12	10MHz	16QAM	23060	1RB#0	4.61	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.58	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.81	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.76	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.75	13	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-1RB#0



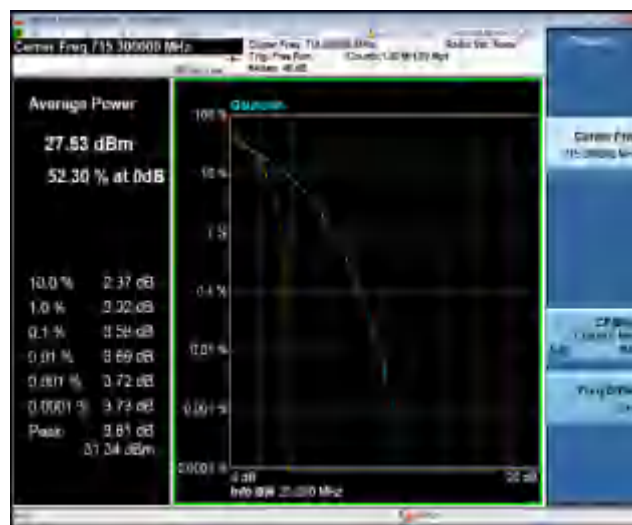
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Band12-1.4MHz-QPSK-23095-6RB#0



Band12-1.4MHz-QPSK-23173-1RB#0



Band12-1.4MHz-QPSK-23173-6RB#0



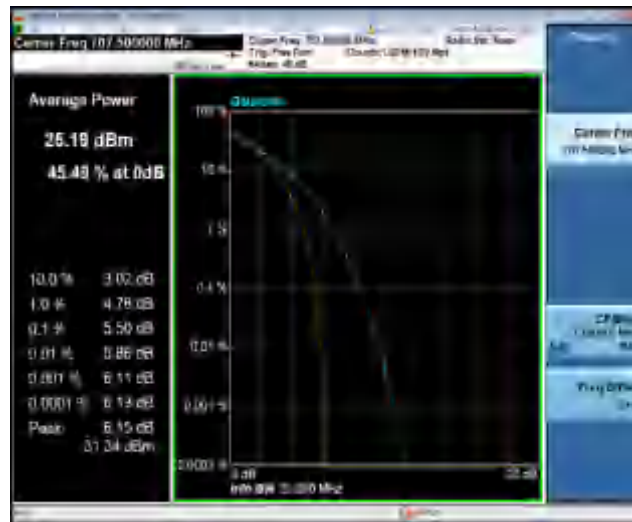
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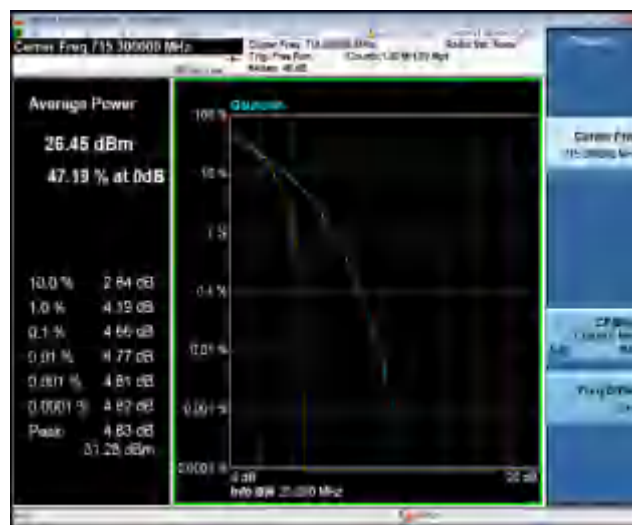
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Band12-1.4MHz-16QAM-23095-6RB#0



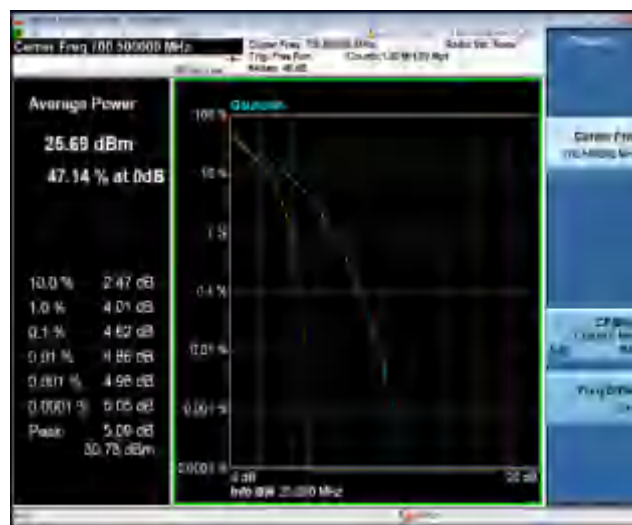
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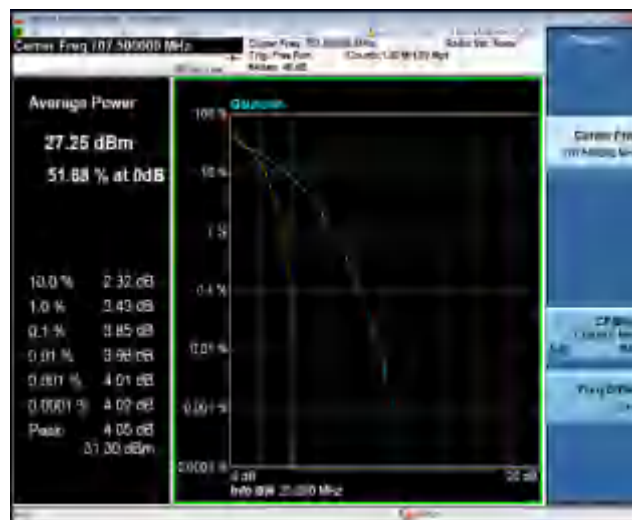
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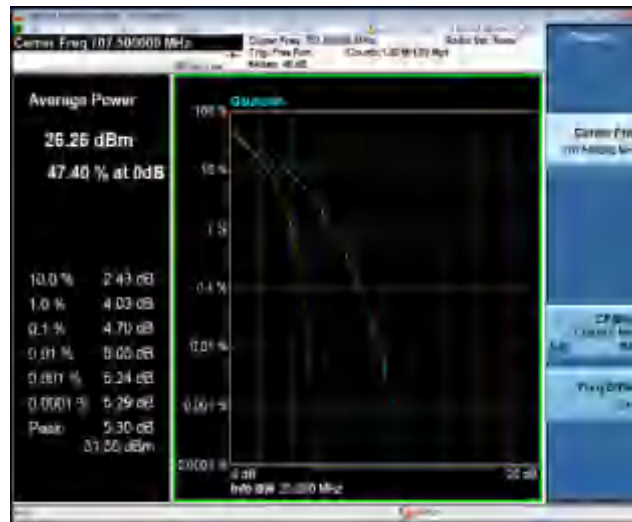
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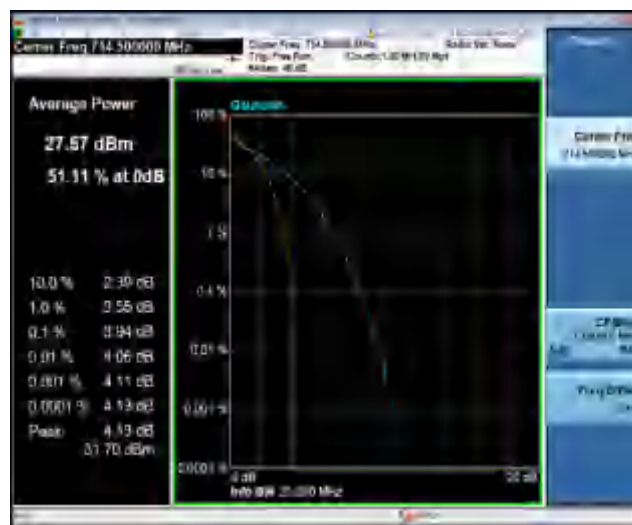
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Band12-3MHz-QPSK-23095-1RB#0



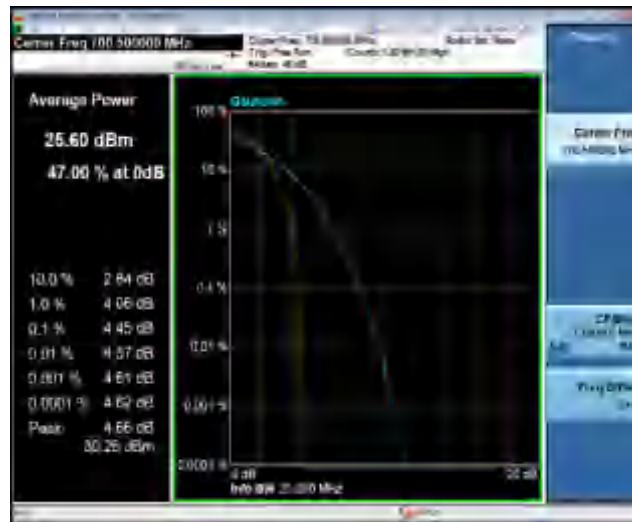
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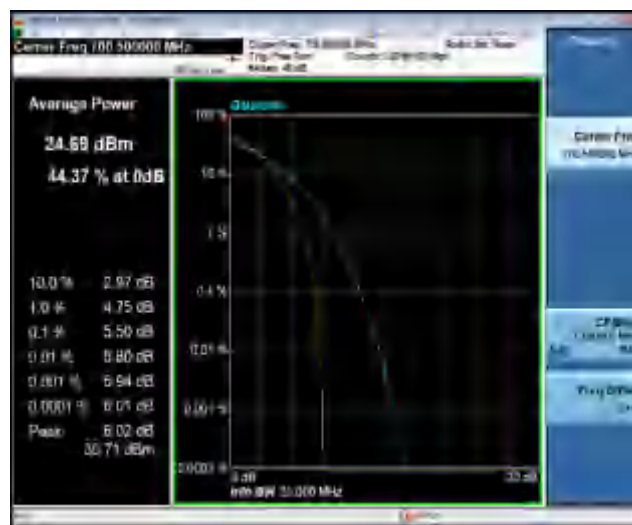
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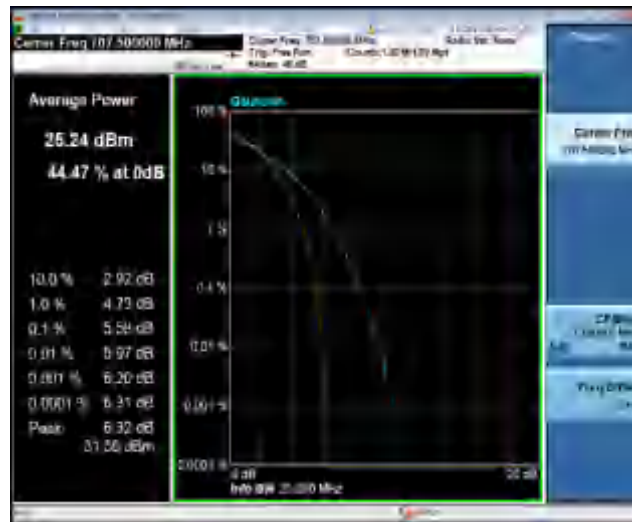
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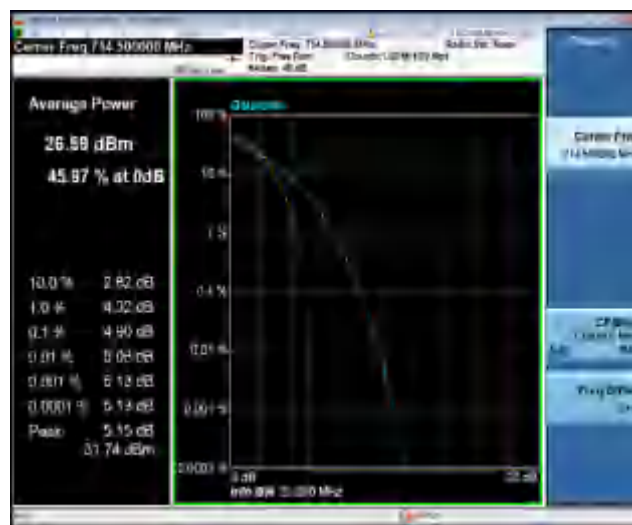
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Band12-3MHz-16QAM-23095-1RB#0



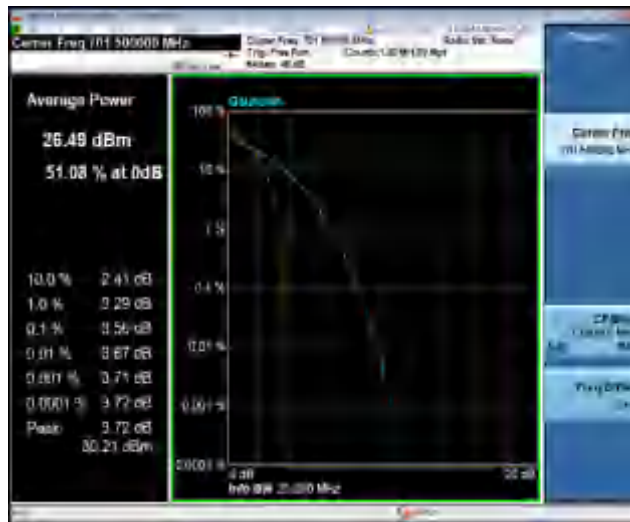
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Band12-3MHz-16QAM-23165-15RB#0



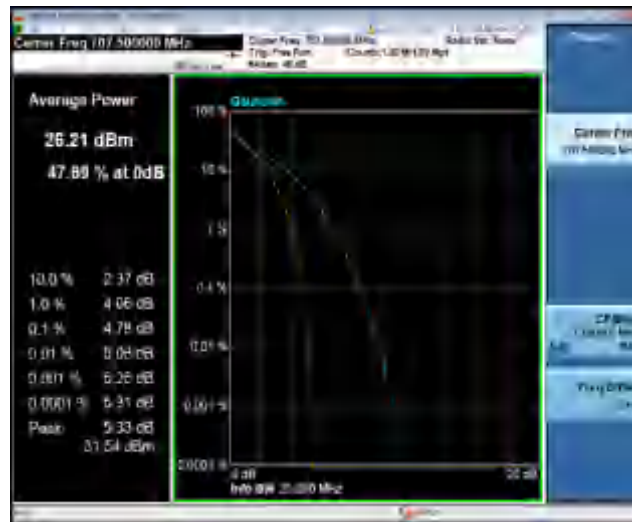
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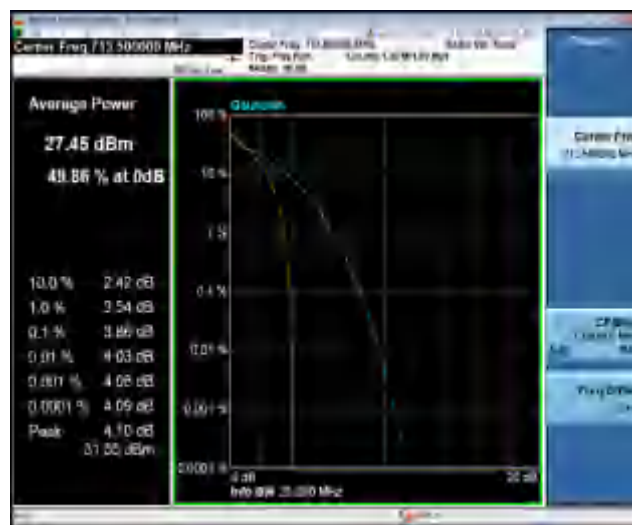
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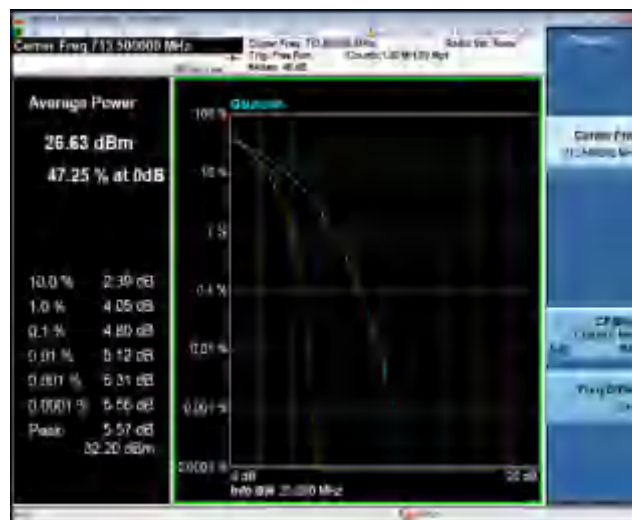
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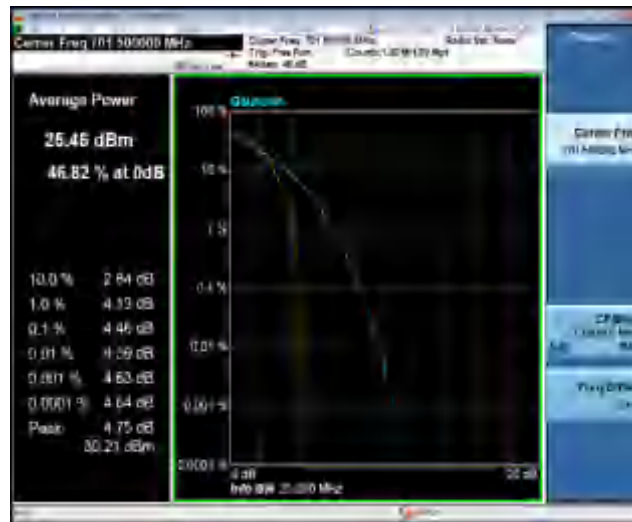
Band12-5MHz-QPSK-23095-25RB#0



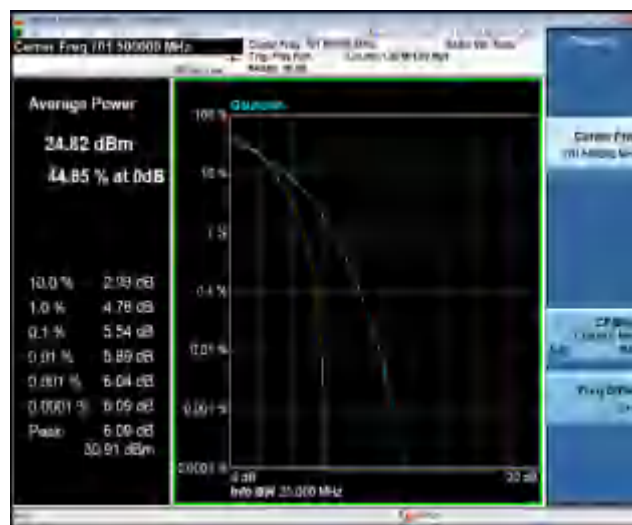
Band12-5MHz-QPSK-23155-1RB#0



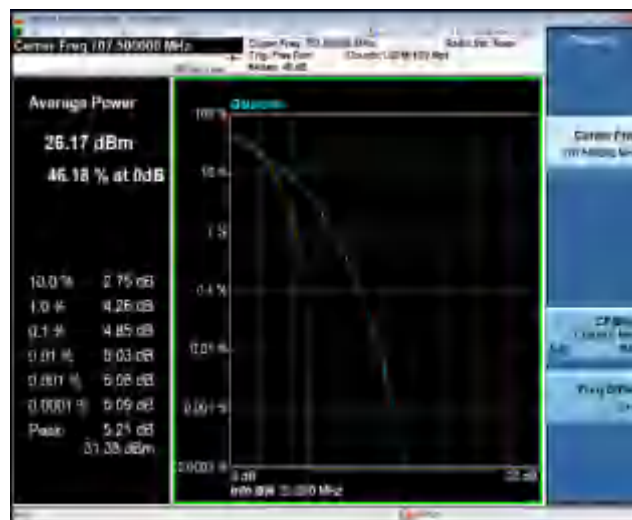
Band12-5MHz-QPSK-23155-25RB#0



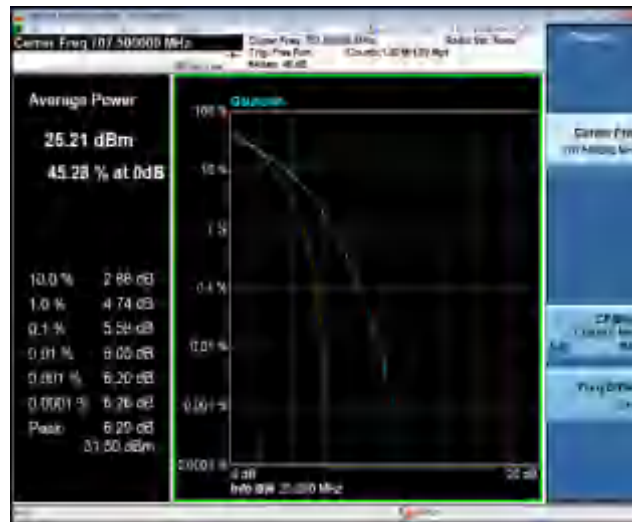
Band12-5MHz-16QAM-23035-1RB#0



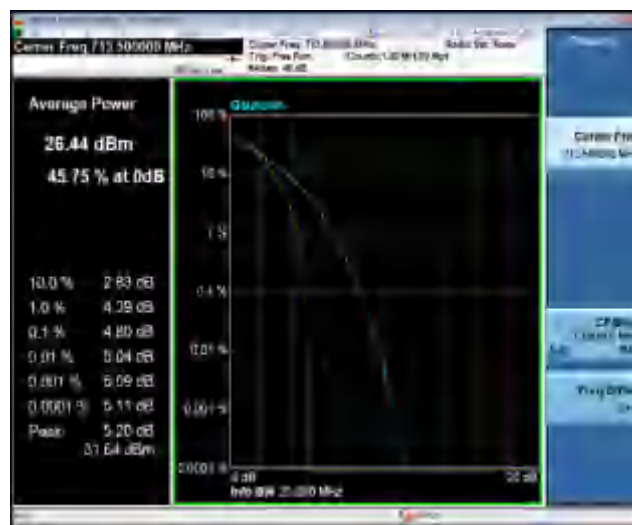
Band12-5MHz-16QAM-23035-25RB#0



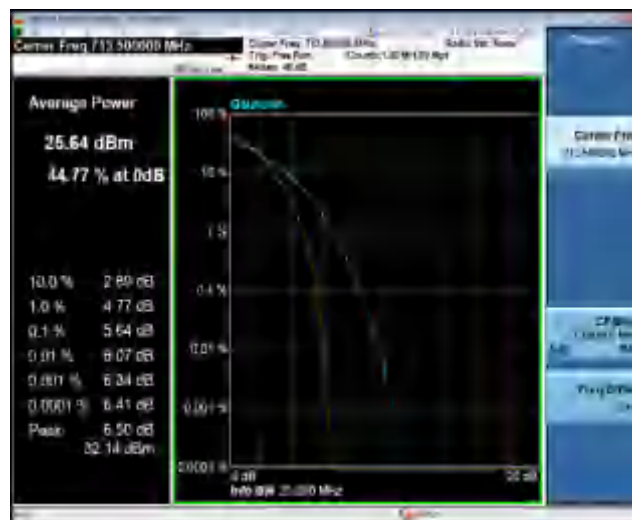
Band12-5MHz-16QAM-23095-1RB#0



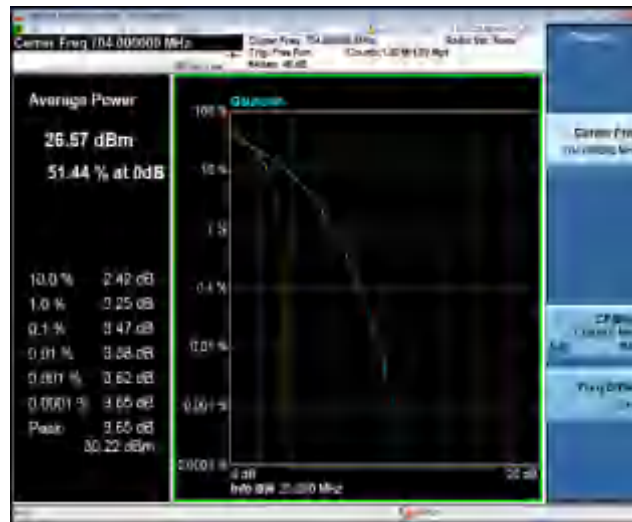
Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-1RB#0



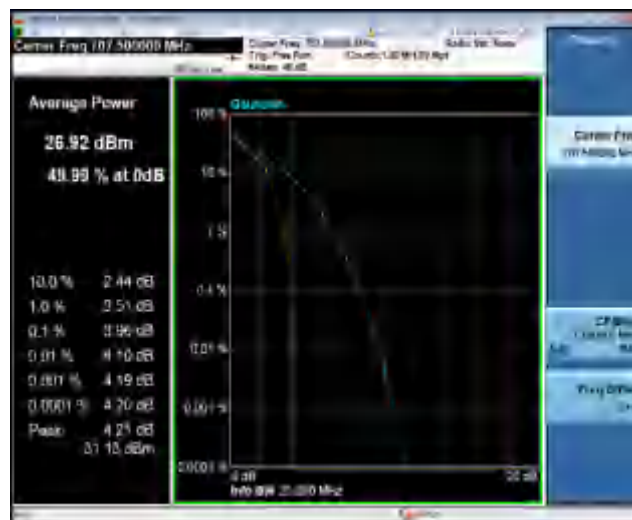
Band12-5MHz-16QAM-23155-25RB#0



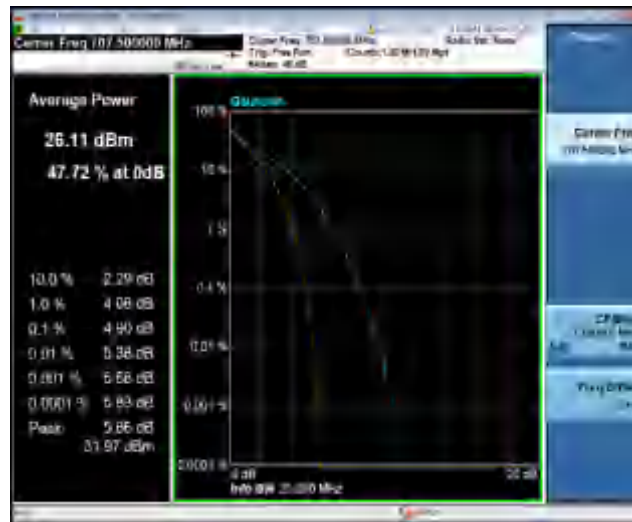
Band12-10MHz-QPSK-23060-1RB#0



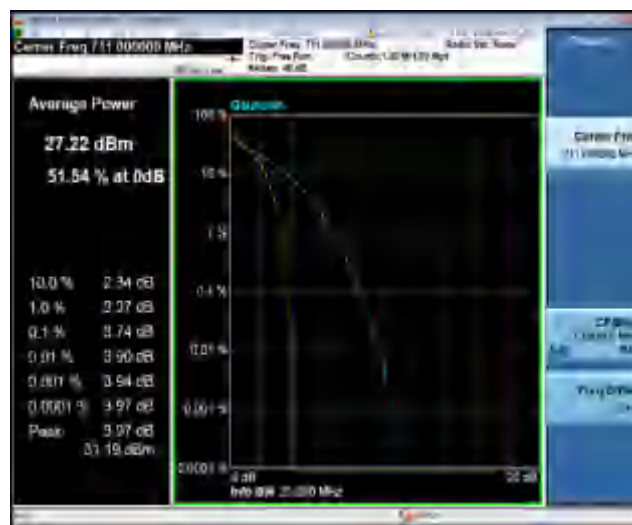
Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-1RB#0



Band12-10MHz-QPSK-23095-50RB#0



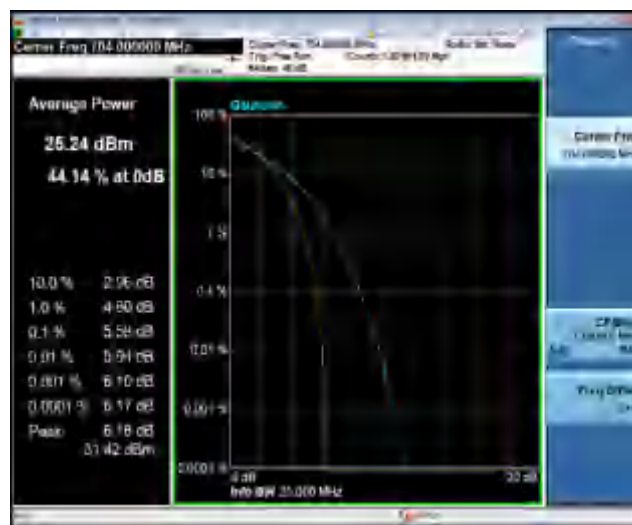
Band12-10MHz-QPSK-23130-1RB#0



Band12-10MHz-QPSK-23130-50RB#0



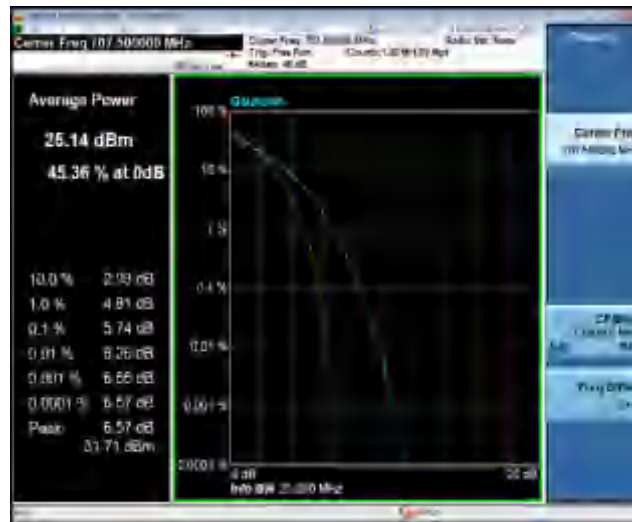
Band12-10MHz-16QAM-23060-1RB#0



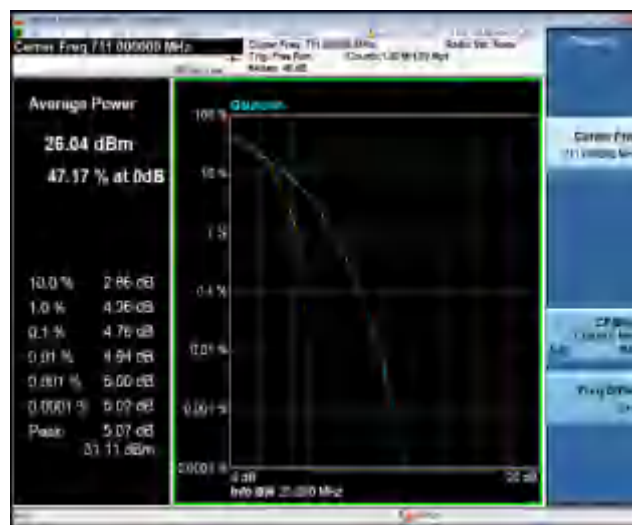
Band12-10MHz-16QAM-23060-50RB#0



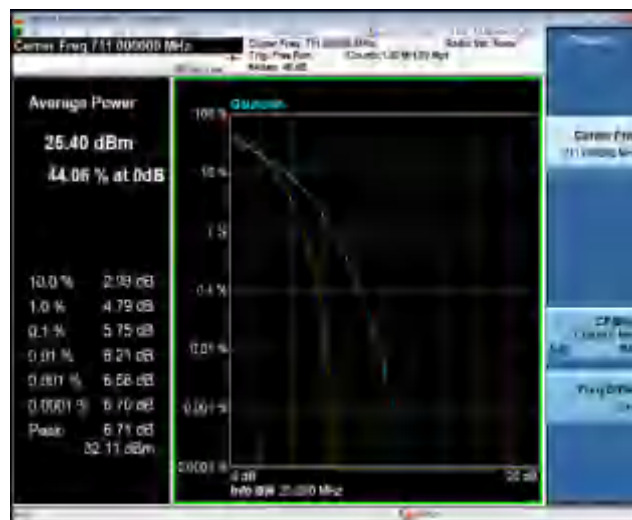
Band12-10MHz-16QAM-23095-1RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-50RB#0

Appendix D : 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0936	1.094	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0925	1.092	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0931	1.093	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0969	1.097	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0985	1.099	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0981	1.098	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6945	2.695	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6851	2.685	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6930	2.693	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6826	2.683	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6815	2.681	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6851	2.685	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5334	4.533	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5002	4.500	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5388	4.539	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5321	4.532	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5193	4.519	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5503	4.550	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0609	9.061	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9735	8.973	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9842	8.984	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0476	9.048	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9510	8.951	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9961	8.996	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-6RB#0-1.0936



Band12-1.4MHz-QPSK-23095-6RB#0-1.0925



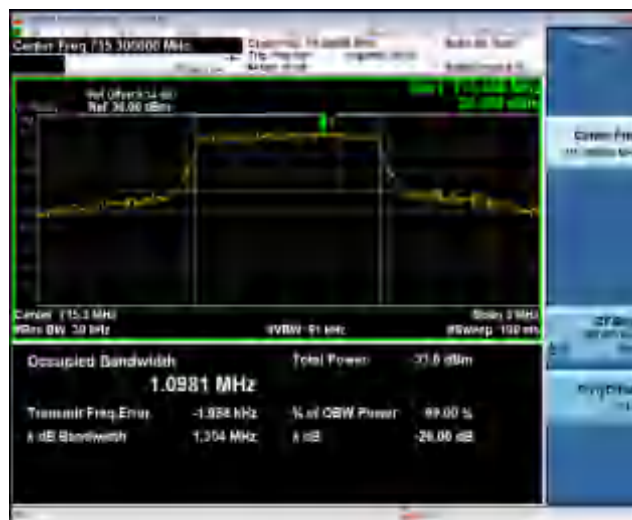
Band12-1.4MHz-QPSK-23173-6RB#0-1.0931



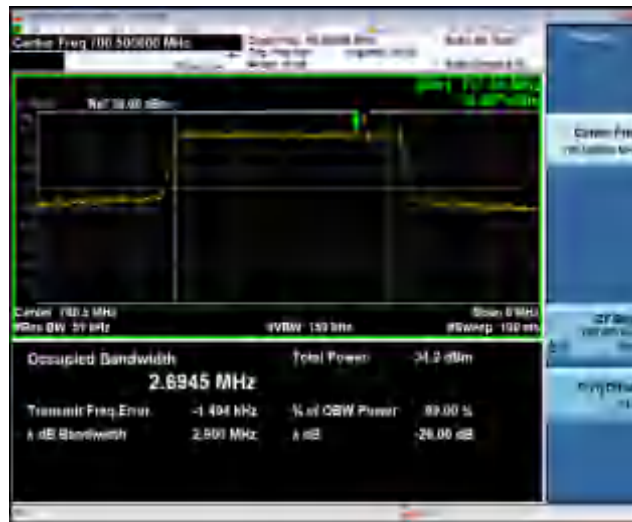
Band12-1.4MHz-16QAM-23017-6RB#0-1.0969



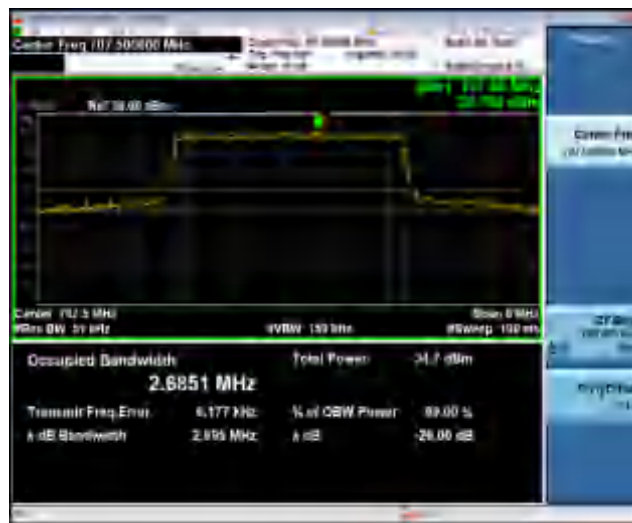
Band12-1.4MHz-16QAM-23095-6RB#0-1.0985



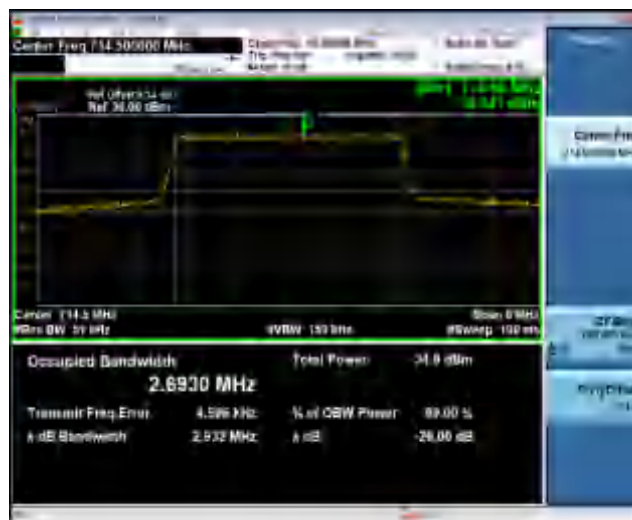
Band12-1.4MHz-16QAM-23173-6RB#0-1.0981



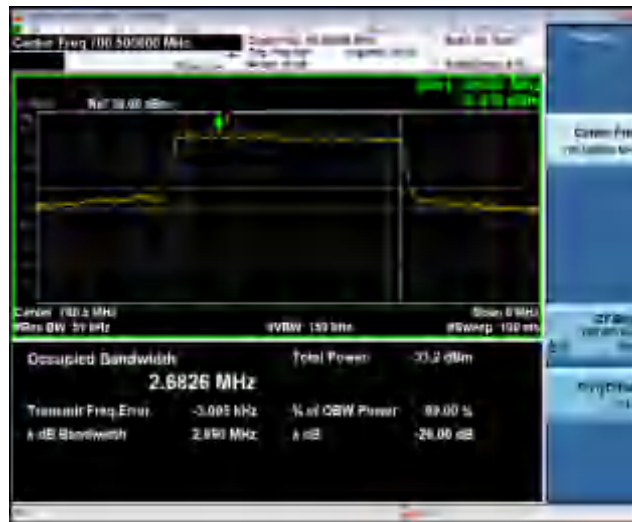
Band12-3MHz-QPSK-23025-15RB#0-2.6945



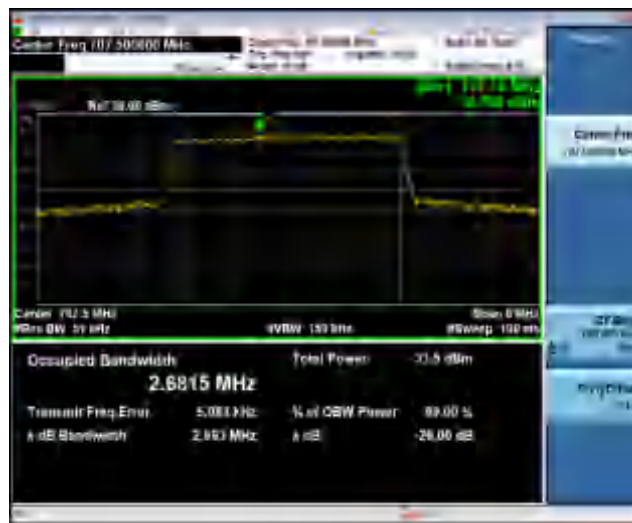
Band12-3MHz-QPSK-23095-15RB#0-2.6851



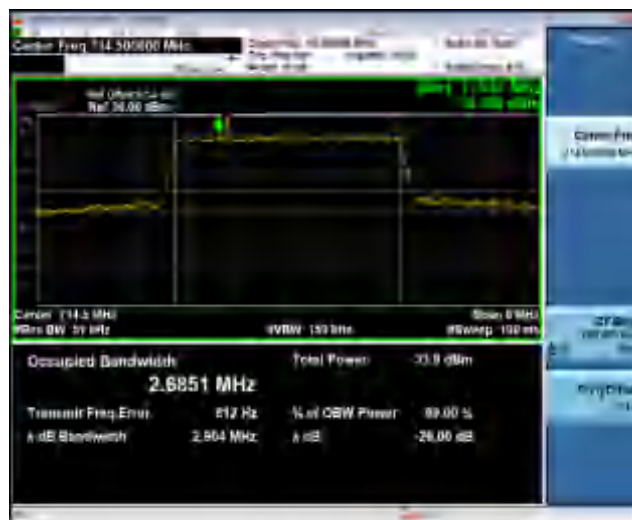
Band12-3MHz-QPSK-23165-15RB#0-2.6930



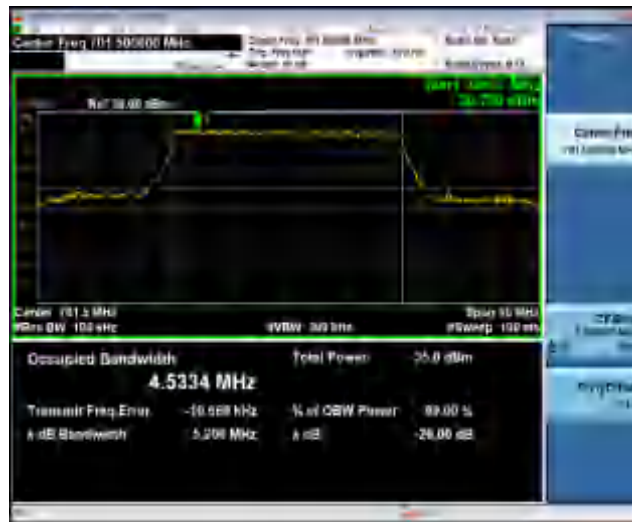
Band12-3MHz-16QAM-23025-15RB#0-2.6826



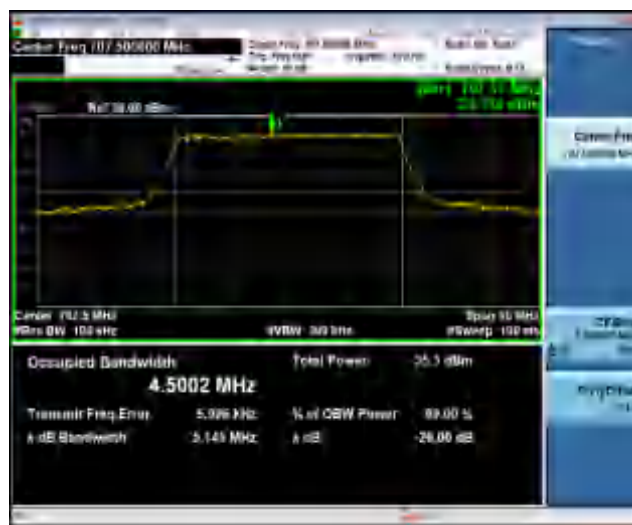
Band12-3MHz-16QAM-23095-15RB#0-2.6815



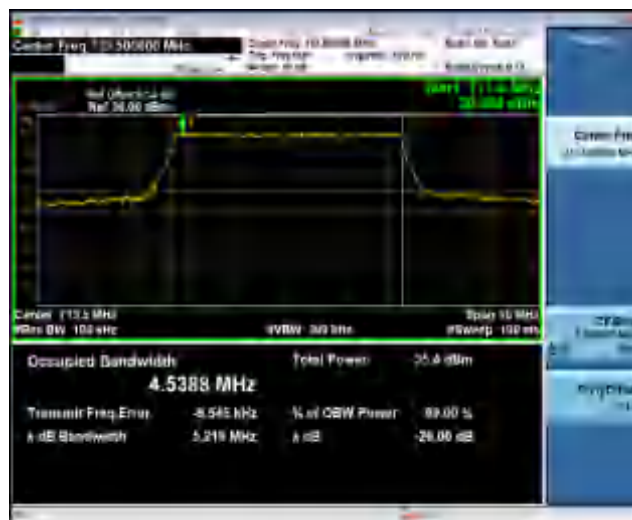
Band12-3MHz-16QAM-23165-15RB#0-2.6851



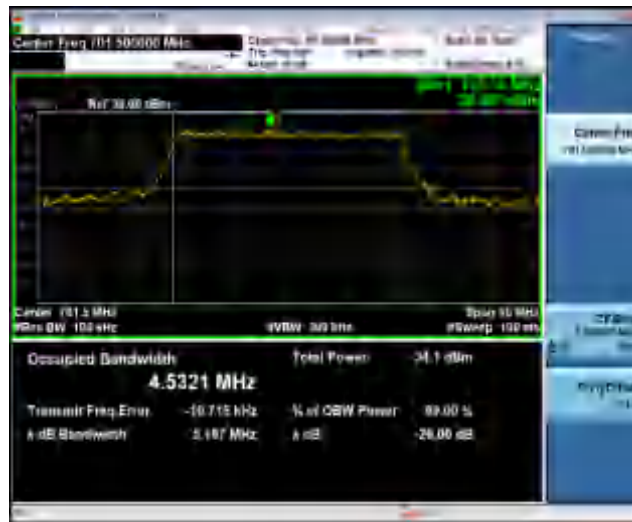
Band12-5MHz-QPSK-23035-25RB#0-4.5334



Band12-5MHz-QPSK-23095-25RB#0-4.5002



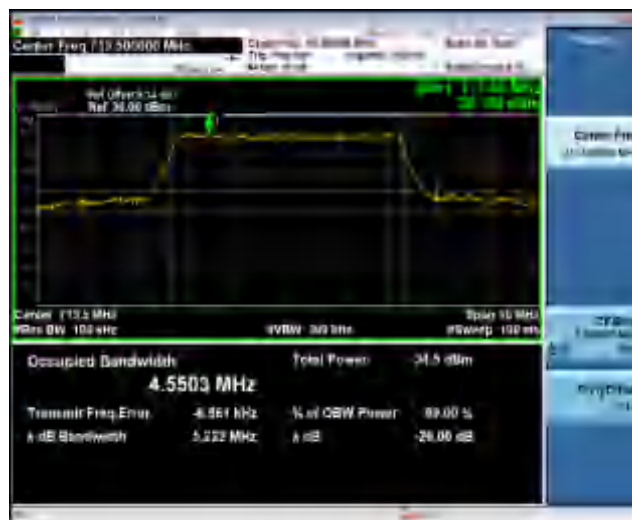
Band12-5MHz-QPSK-23155-25RB#0-4.5388



Band12-5MHz-16QAM-23035-25RB#0-4.5321



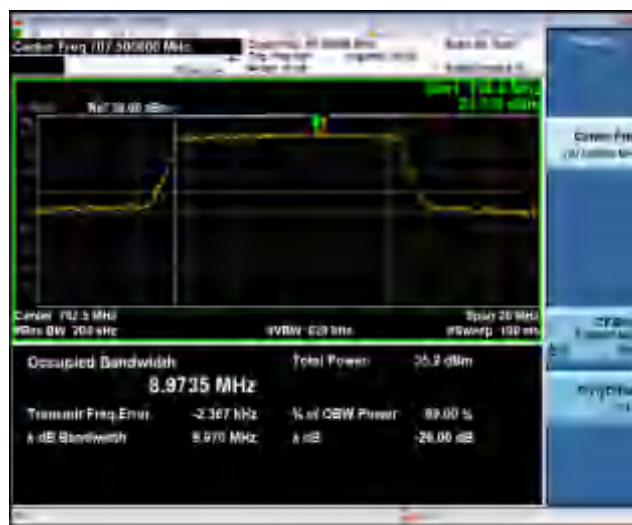
Band12-5MHz-16QAM-23095-25RB#0-4.5193



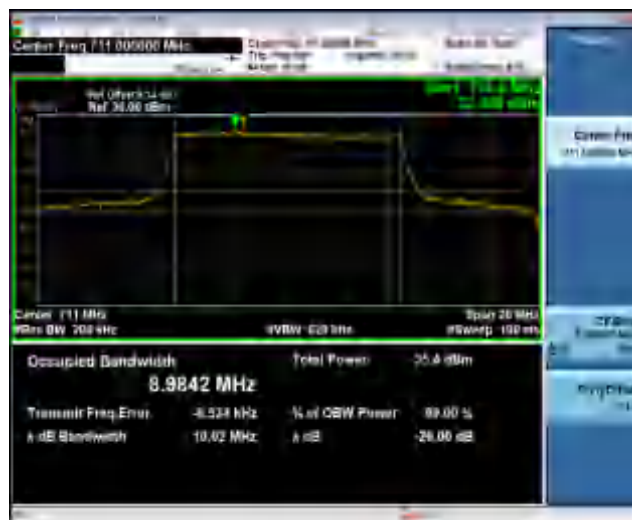
Band12-5MHz-16QAM-23155-25RB#0-4.5503



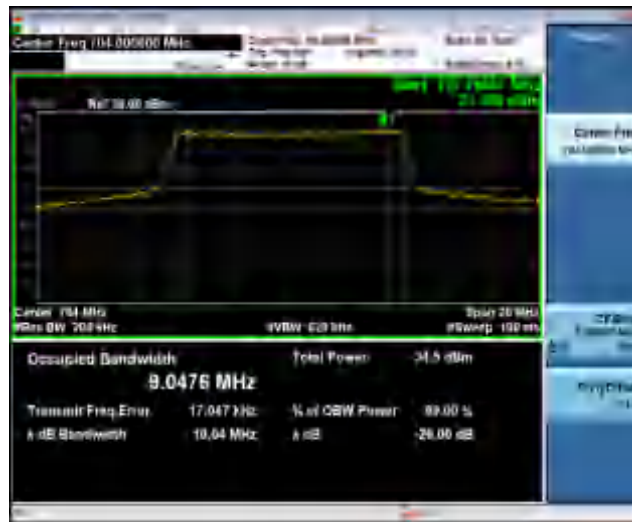
Band12-10MHz-QPSK-23060-50RB#0-9.0609



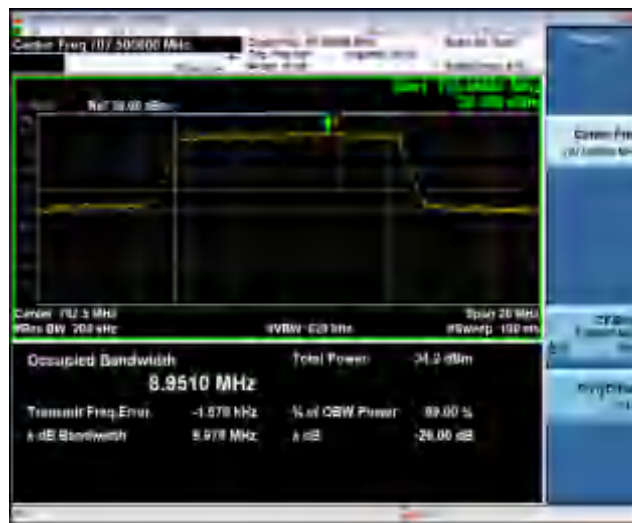
Band12-10MHz-QPSK-23095-50RB#0-8.9735



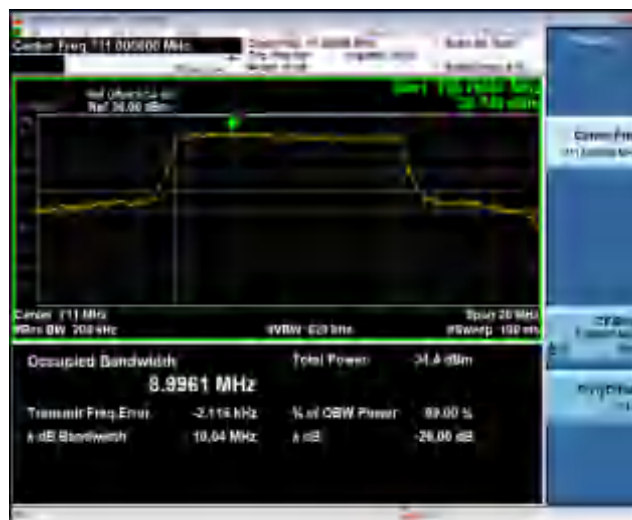
Band12-10MHz-QPSK-23130-50RB#0-8.9842



Band12-10MHz-16QAM-23060-50RB#0-9.0476



Band12-10MHz-16QAM-23095-50RB#0-8.9510



Band12-10MHz-16QAM-23130-50RB#0-8.9961

Appendix E : Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	PASS
Band12	3MHz	QPSK	23025	1RB#0	PASS
Band12	3MHz	QPSK	23025	1RB#14	PASS
Band12	3MHz	QPSK	23025	15RB#0	PASS
Band12	3MHz	QPSK	23165	1RB#0	PASS
Band12	3MHz	QPSK	23165	1RB#14	PASS
Band12	3MHz	QPSK	23165	15RB#0	PASS
Band12	3MHz	16QAM	23025	1RB#0	PASS
Band12	3MHz	16QAM	23025	1RB#14	PASS
Band12	3MHz	16QAM	23025	15RB#0	PASS
Band12	3MHz	16QAM	23165	1RB#0	PASS
Band12	3MHz	16QAM	23165	1RB#14	PASS
Band12	3MHz	16QAM	23165	15RB#0	PASS
Band12	5MHz	QPSK	23035	1RB#0	PASS
Band12	5MHz	QPSK	23035	1RB#24	PASS
Band12	5MHz	QPSK	23035	25RB#0	PASS
Band12	5MHz	QPSK	23155	1RB#0	PASS
Band12	5MHz	QPSK	23155	1RB#24	PASS
Band12	5MHz	QPSK	23155	25RB#0	PASS
Band12	5MHz	16QAM	23035	1RB#0	PASS
Band12	5MHz	16QAM	23035	1RB#24	PASS
Band12	5MHz	16QAM	23035	25RB#0	PASS
Band12	5MHz	16QAM	23155	1RB#0	PASS
Band12	5MHz	16QAM	23155	1RB#24	PASS
Band12	5MHz	16QAM	23155	25RB#0	PASS
Band12	10MHz	QPSK	23060	1RB#0	PASS
Band12	10MHz	QPSK	23060	1RB#49	PASS
Band12	10MHz	QPSK	23060	50RB#0	PASS
Band12	10MHz	QPSK	23130	1RB#0	PASS
Band12	10MHz	QPSK	23130	1RB#49	PASS
Band12	10MHz	QPSK	23130	50RB#0	PASS

Band12	10MHz	16QAM	23060	1RB#0	PASS
Band12	10MHz	16QAM	23060	1RB#49	PASS
Band12	10MHz	16QAM	23060	50RB#0	PASS
Band12	10MHz	16QAM	23130	1RB#0	PASS
Band12	10MHz	16QAM	23130	1RB#49	PASS
Band12	10MHz	16QAM	23130	50RB#0	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-1RB#5



Band12-1.4MHz-QPSK-23017-6RB#0



Band12-1.4MHz-QPSK-23173-1RB#0



Band12-1.4MHz-QPSK-23173-1RB#5



Band12-1.4MHz-QPSK-23173-6RB#0



Band12-1.4MHz-16QAM-23017-1RB#0



Band12-1.4MHz-16QAM-23017-1RB#5



Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23173-1RB#0



Band12-1.4MHz-16QAM-23173-1RB#5



Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-1RB#14



Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23165-1RB#0



Band12-3MHz-QPSK-23165-1RB#14



Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-1RB#0



Band12-3MHz-16QAM-23025-1RB#14



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23165-1RB#0



Band12-3MHz-16QAM-23165-1RB#14



Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-1RB#24



Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23155-1RB#0



Band12-5MHz-QPSK-23155-1RB#24



Band12-5MHz-QPSK-23155-25RB#0



Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-1RB#24



Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-1RB#24



Band12-5MHz-16QAM-23155-25RB#0



Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-1RB#49



Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23130-1RB#0



Band12-10MHz-QPSK-23130-1RB#49



Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-1RB#0



Band12-10MHz-16QAM-23060-1RB#49



Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0

Appendix F : Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-35.75	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-36.65	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-36.26	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-32.71	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-35.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-32.16	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-36.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-37.55	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.06	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-32.18	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-35.68	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-32.83	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-35.22	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-35.29	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.67	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-32.09	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-35.73	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-32.76	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-35.63	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-37.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.4	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.5	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-35.94	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-35.45	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-36.72	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.8	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-32.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-34.04	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-33.43	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-34.63	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-37.28	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.5	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-31.83	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-35.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-35.6	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-35.41	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-36.11	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-35.33	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-32.09	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-35.94	PASS

FCC ID:SMQSE120XPRO

Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-34.01	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-34.9	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-36.03	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-35.86	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-33.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-36.03	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-34.48	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz

Appendix G Radiated Spurious Emission

Test Result

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1399.40	-42.84	25.56	5.62	35.87	-4.69	-47.53	-13	34.53	H
2099.10	-50.44	28.08	6.31	35.38	-1.00	-51.44	-13	38.44	H
1399.40	-43.92	25.56	5.62	35.87	-4.69	-48.61	-13	35.61	V
2099.10	-46.62	28.08	6.31	35.38	-1.00	-47.62	-13	34.62	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-44.52	25.57	5.87	35.86	-4.42	-48.94	-13	35.94	H
2122.50	-51.84	28.05	6.31	35.38	-1.03	-52.87	-13	39.87	H
1415.00	-44.03	25.57	5.87	35.86	-4.42	-48.45	-13	35.45	V
2122.50	-48.10	28.05	6.31	35.38	-1.03	-49.13	-13	36.13	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1430.60	-44.14	25.58	6.13	35.84	-4.13	-48.27	-13	35.27	H
2145.90	-49.95	28.02	6.31	35.39	-1.06	-51.01	-13	38.01	H
1430.60	-45.53	25.58	6.13	35.84	-4.13	-49.66	-13	36.66	V
2145.90	-46.25	28.02	6.31	35.39	-1.06	-47.31	-13	34.31	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1403.00	-44.57	25.56	5.67	35.87	-4.63	-49.20	-13	36.20	H
2104.50	-51.63	28.07	6.31	35.38	-1.00	-52.63	-13	39.63	H
1403.00	-43.47	25.56	5.67	35.87	-4.63	-48.10	-13	35.10	V
2104.50	-48.19	28.07	6.31	35.38	-1.00	-49.19	-13	36.19	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-44.41	25.57	5.87	35.86	-4.42	-48.83	-13	35.83	H
2122.50	-53.43	28.05	6.31	35.38	-1.03	-54.46	-13	41.46	H
1415.00	-45.40	25.57	5.87	35.86	-4.42	-49.82	-13	36.82	V
2122.50	-47.37	28.05	6.31	35.38	-1.03	-48.40	-13	35.40	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-45.19	25.58	5.99	35.85	-4.29	-49.48	-13	36.48	H
2133.00	-51.30	28.03	6.31	35.39	-1.04	-52.34	-13	39.34	H
1422.00	-43.63	25.58	5.99	35.85	-4.29	-47.92	-13	34.92	V
2133.00	-47.63	28.03	6.31	35.39	-1.04	-48.67	-13	35.67	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-44.60	25.57	5.75	35.86	-4.54	-49.14	-13	36.14	H
2112.00	-50.69	28.06	6.31	35.38	-1.01	-51.70	-13	38.70	H
1408.00	-46.40	25.57	5.75	35.86	-4.54	-50.94	-13	37.94	V
2112.00	-46.24	28.06	6.31	35.38	-1.01	-47.25	-13	34.25	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-42.74	25.57	5.87	35.86	-4.42	-47.16	-13	34.16	H
2122.50	-52.05	28.05	6.31	35.38	-1.03	-53.08	-13	40.08	H
1415.00	-44.79	25.57	5.87	35.86	-4.42	-49.21	-13	36.21	V
2122.50	-46.76	28.05	6.31	35.38	-1.03	-47.79	-13	34.79	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P _{Mea} (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-46.16	25.58	5.99	35.85	-4.29	-50.45	-13	37.45	H
2133.00	-48.75	28.03	6.31	35.39	-1.04	-49.79	-13	36.79	H
1422.00	-45.17	25.58	5.99	35.85	-4.29	-49.46	-13	36.46	V
2133.00	-47.06	28.03	6.31	35.39	-1.04	-48.10	-13	35.10	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P_{Mea}+Correction Factor

3. Margin= Limit-EIRP

Appendix H : Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-11.90	-0.017007	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-8.24	-0.011776	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-7.70	-0.011005	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-2.33	-0.003293	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-4.65	-0.006572	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-2.93	-0.004141	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-8.23	-0.011506	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-9.23	-0.012904	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-5.14	-0.007186	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-7.30	-0.010433	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-5.34	-0.007632	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-6.81	-0.009733	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-6.72	-0.009498	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-6.81	-0.009625	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-2.56	-0.003618	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-12.27	-0.017154	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-10.34	-0.014455	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-9.77	-0.013659	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-8.63	-0.012320	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-8.67	-0.012377	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-7.77	-0.011092	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-9.60	-0.013569	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-7.42	-0.010488	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-5.16	-0.007293	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-7.61	-0.010651	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-11.40	-0.015955	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-6.65	-0.009307	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-6.94	-0.009907	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-6.55	-0.009350	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	-6.72	-0.009593	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-6.87	-0.009710	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-10.86	-0.015350	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-5.81	-0.008212	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-7.78	-0.010889	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-10.19	-0.014262	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-9.48	-0.013268	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	-8.91	-0.012701	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-7.78	-0.011091	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	-8.40	-0.011974	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-5.08	-0.007180	±2.5	PASS

Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-9.80	-0.013852	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-4.56	-0.006445	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-7.11	-0.009965	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	-2.02	-0.002831	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	-7.72	-0.010820	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-6.15	-0.008767	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-6.15	-0.008767	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-9.86	-0.014056	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-8.10	-0.011449	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-5.32	-0.007519	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	2.10	0.002968	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	-7.20	-0.010091	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	-8.24	-0.011549	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	-6.75	-0.009460	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-7.35	-0.010440	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-5.36	-0.007614	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-6.01	-0.008537	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-3.66	-0.005173	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-5.18	-0.007322	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-3.66	-0.005173	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-12.65	-0.017792	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-10.57	-0.014866	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-7.51	-0.010563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-5.89	-0.008366	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-9.06	-0.012869	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-5.98	-0.008494	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-5.64	-0.007972	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-3.82	-0.005399	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-7.80	-0.011025	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-5.11	-0.007187	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-4.84	-0.006807	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-1.76	-0.002475	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-8.80	-0.012577	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	4.72	0.006746	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-8.10	-0.011576	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-7.21	-0.010304	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-11.92	-0.017036	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-7.64	-0.010919	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-8.90	-0.012720	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-3.50	-0.005002	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-5.95	-0.008504	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	2.35	0.003322	±2.5	PASS

Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	0.86	0.001216	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-2.88	-0.004071	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-7.00	-0.009894	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-5.95	-0.008410	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-2.59	-0.003661	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	2.22	0.003138	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-5.06	-0.007152	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-6.88	-0.009724	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-8.44	-0.011799	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-4.51	-0.006305	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-7.68	-0.010737	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-7.11	-0.009940	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-11.32	-0.015826	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-7.17	-0.010024	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-5.36	-0.007493	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-6.27	-0.008766	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-3.68	-0.005145	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-6.69	-0.009561	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-9.17	-0.013106	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-6.39	-0.009132	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-8.38	-0.011977	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-7.25	-0.010362	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-6.28	-0.008975	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-7.30	-0.010433	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-10.00	-0.014292	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-7.28	-0.010404	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-5.08	-0.007180	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-6.44	-0.009102	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-9.01	-0.012735	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-10.01	-0.014148	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-10.53	-0.014883	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-7.00	-0.009894	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-9.78	-0.013823	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-6.85	-0.009682	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-3.82	-0.005399	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-7.25	-0.010136	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-10.31	-0.014414	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-10.06	-0.014064	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-11.06	-0.015462	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-7.45	-0.010415	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-9.50	-0.013281	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-8.67	-0.012121	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-5.64	-0.007885	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-5.84	-0.008164	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-5.46	-0.007794	±2.5	PASS

Band12	3MHz	QPSK	23025	15RB#0	NV	-20	-4.46	-0.006367	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-5.85	-0.008351	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-7.45	-0.010635	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-8.44	-0.012049	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-4.48	-0.006395	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-6.65	-0.009493	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-9.50	-0.013562	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	-7.00	-0.009993	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	3.22	0.004551	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-5.41	-0.007647	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-6.37	-0.009004	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-9.94	-0.014049	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-7.44	-0.010516	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-11.10	-0.015689	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-9.80	-0.013852	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-8.94	-0.012636	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-4.36	-0.006163	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	-6.72	-0.009405	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	-2.79	-0.003905	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	-8.67	-0.012134	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	-10.99	-0.015381	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	-6.74	-0.009433	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-8.14	-0.011393	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	-5.26	-0.007362	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	-6.84	-0.009573	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	-6.52	-0.009125	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-2.69	-0.003840	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-9.48	-0.013533	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-9.51	-0.013576	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-5.65	-0.008066	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-5.58	-0.007966	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-9.87	-0.014090	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-6.55	-0.009350	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-2.85	-0.004069	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-6.44	-0.009193	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-8.93	-0.012622	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-6.27	-0.008862	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-12.32	-0.017413	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-5.26	-0.007435	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-4.96	-0.007011	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-4.63	-0.006544	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-8.17	-0.011548	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-7.78	-0.010996	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-7.67	-0.010841	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-5.76	-0.008062	±2.5	PASS

Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-3.26	-0.004563	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-7.87	-0.011015	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-7.62	-0.010665	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-6.85	-0.009587	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-12.22	-0.017103	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	-8.25	-0.011547	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	-6.74	-0.009433	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	-10.77	-0.015073	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	-8.15	-0.011618	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-8.10	-0.011547	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	-6.44	-0.009180	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-10.91	-0.015552	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-12.03	-0.017149	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-12.16	-0.017334	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	-7.35	-0.010478	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	-4.31	-0.006144	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	-5.76	-0.008211	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-5.69	-0.008042	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-6.87	-0.009710	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-7.10	-0.010035	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-6.91	-0.009767	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-7.84	-0.011081	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-8.21	-0.011604	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-8.65	-0.012226	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-8.04	-0.011364	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-8.27	-0.011689	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	-9.03	-0.012656	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-8.96	-0.012558	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	-8.81	-0.012348	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	-8.10	-0.011352	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	-11.10	-0.015557	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	-11.47	-0.016076	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	-12.80	-0.017940	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	-9.77	-0.013693	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	-11.83	-0.016580	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-5.71	-0.008140	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-8.38	-0.011946	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-9.36	-0.013343	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-6.48	-0.009237	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-9.57	-0.013642	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-2.98	-0.004248	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-6.90	-0.009836	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-6.48	-0.009237	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-6.49	-0.009252	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-7.55	-0.010671	±2.5	PASS

Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-10.60	-0.014982	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	-7.97	-0.011265	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-7.82	-0.011053	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-4.36	-0.006163	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-6.88	-0.009724	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-4.86	-0.006869	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-5.29	-0.007477	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-7.21	-0.010191	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-10.11	-0.014170	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-8.50	-0.011913	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-7.00	-0.009811	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-9.53	-0.013357	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-9.06	-0.012698	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-8.58	-0.012025	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	-7.01	-0.009825	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-8.30	-0.011633	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-8.50	-0.011913	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-5.92	-0.008409	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-5.46	-0.007756	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-8.63	-0.012259	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-6.69	-0.009503	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-4.85	-0.006889	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-8.50	-0.012074	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-6.78	-0.009631	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.34	-0.001903	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-6.15	-0.008736	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-3.75	-0.005300	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-2.88	-0.004071	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-2.73	-0.003859	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-6.11	-0.008636	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-5.29	-0.007477	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-5.72	-0.008085	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.79	-0.005357	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-6.84	-0.009668	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-6.42	-0.009074	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-4.23	-0.005949	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.68	-0.003769	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-5.31	-0.007468	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	3.33	0.004684	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-4.15	-0.005837	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-9.51	-0.013376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-5.39	-0.007581	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-3.86	-0.005429	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-3.73	-0.005246	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-5.48	-0.007784	±2.5	PASS

Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-6.68	-0.009489	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-9.30	-0.013210	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-4.94	-0.007017	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-9.36	-0.013295	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-3.58	-0.005085	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-5.82	-0.008267	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-3.43	-0.004872	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-7.62	-0.010824	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-4.26	-0.006021	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-4.89	-0.006912	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-3.75	-0.005300	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-8.88	-0.012551	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-7.47	-0.010558	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-11.04	-0.015604	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-6.21	-0.008777	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-6.55	-0.009258	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-9.06	-0.012806	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-4.28	-0.006020	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-8.63	-0.012138	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-5.58	-0.007848	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-6.72	-0.009451	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-4.23	-0.005949	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-8.65	-0.012166	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-12.09	-0.017004	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-10.77	-0.015148	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-6.39	-0.008987	±2.5	PASS

***** End *****