

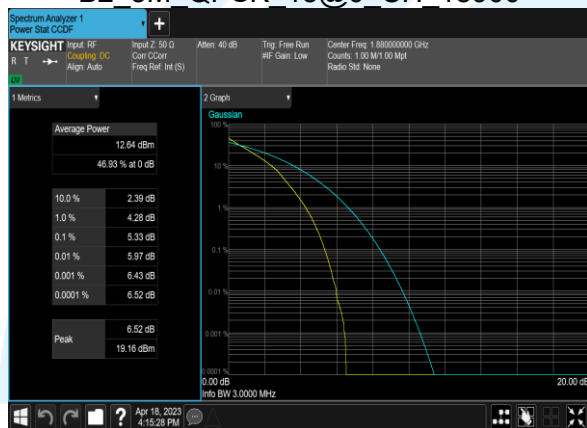
B2_3M_QPSK_15@0_CH_18615



B2_3M_16QAM_15@0_CH_18615



B2_3M_QPSK_15@0_CH_18900



B2_3M_16QAM_15@0_CH_18900



B2_3M_QPSK_15@0_CH_19185



B2_3M_16QAM_15@0_CH_19185



B2_1.4M_QPSK_6@0_CH_18607



B2_1.4M_16QAM_6@0_CH_18607



B2 1.4M QPSK 6@0 CH 18900



B2 1.4M 16QAM 6@0 CH 18900



B2 1.4M QPSK 6@0 CH 19193



B2 1.4M 16QAM 6@0 CH 19193



5.4.2 LTE Band 4

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
4	20.0	20050	1720.0	QPSK	100@0	5.67	13	PASS
4	20.0	20050	1720.0	16QAM	100@0	6.37	13	PASS
4	20.0	20175	1732.5	QPSK	100@0	5.46	13	PASS
4	20.0	20175	1732.5	16QAM	100@0	6.21	13	PASS
4	20.0	20300	1745.0	QPSK	100@0	5.63	13	PASS
4	20.0	20300	1745.0	16QAM	100@0	6.25	13	PASS
4	15.0	20025	1717.5	QPSK	75@0	5.49	13	PASS
4	15.0	20025	1717.5	16QAM	75@0	6.22	13	PASS
4	15.0	20175	1732.5	QPSK	75@0	5.27	13	PASS
4	15.0	20175	1732.5	16QAM	75@0	6.07	13	PASS
4	15.0	20325	1747.5	QPSK	75@0	5.36	13	PASS
4	15.0	20325	1747.5	16QAM	75@0	6.11	13	PASS
4	10.0	20000	1715.0	QPSK	50@0	5.65	13	PASS
4	10.0	20000	1715.0	16QAM	50@0	6.33	13	PASS
4	10.0	20175	1732.5	QPSK	50@0	5.42	13	PASS
4	10.0	20175	1732.5	16QAM	50@0	6.16	13	PASS
4	10.0	20350	1750.0	QPSK	50@0	5.48	13	PASS
4	10.0	20350	1750.0	16QAM	50@0	6.23	13	PASS
4	5.0	19975	1712.5	QPSK	25@0	5.54	13	PASS
4	5.0	19975	1712.5	16QAM	25@0	6.18	13	PASS
4	5.0	20175	1732.5	QPSK	25@0	5.41	13	PASS
4	5.0	20175	1732.5	16QAM	25@0	6.11	13	PASS
4	5.0	20375	1752.5	QPSK	25@0	5.40	13	PASS
4	5.0	20375	1752.5	16QAM	25@0	6.08	13	PASS
4	3.0	19965	1711.5	QPSK	15@0	5.52	13	PASS
4	3.0	19965	1711.5	16QAM	15@0	6.29	13	PASS
4	3.0	20175	1732.5	QPSK	15@0	5.33	13	PASS
4	3.0	20175	1732.5	16QAM	15@0	6.13	13	PASS
4	3.0	20385	1753.5	QPSK	15@0	5.42	13	PASS
4	3.0	20385	1753.5	16QAM	15@0	6.14	13	PASS
4	1.4	19957	1710.7	QPSK	6@0	5.44	13	PASS
4	1.4	19957	1710.7	16QAM	6@0	6.12	13	PASS
4	1.4	20175	1732.5	QPSK	6@0	5.32	13	PASS
4	1.4	20175	1732.5	16QAM	6@0	6.03	13	PASS
4	1.4	20393	1754.3	QPSK	6@0	5.38	13	PASS
4	1.4	20393	1754.3	16QAM	6@0	6.02	13	PASS

Test Graphs

B4 20M QPSK 100@0 CH 20050



B4 20M 16QAM 100@0 CH 20050



B4_20M_QPSK_100@0_CH_20175



B4_20M_16QAM_100@0_CH_20175



B4_20M_QPSK_100@0_CH_20300



B4_20M_16QAM_100@0_CH_20300



B4_15M_QPSK_75@0_CH_20025



B4_15M_16QAM_75@0_CH_20025



B4_15M_QPSK_75@0_CH_20175



B4_15M_16QAM_75@0_CH_20175



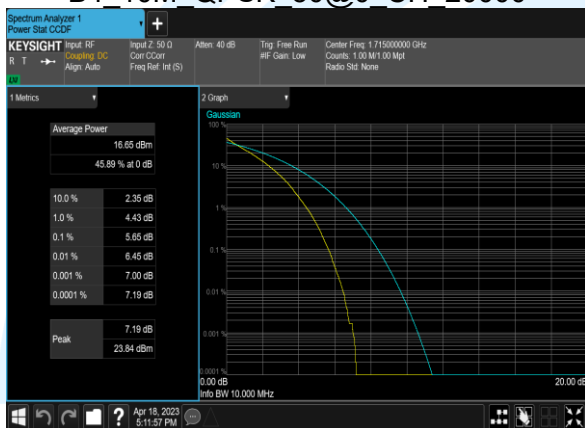
B4 15M QPSK 75@0 CH 20325



B4 15M 16QAM 75@0 CH 20325



B4 10M QPSK 50@0 CH 20000



B4 10M 16QAM 50@0 CH 20000



B4 10M QPSK 50@0 CH 20175



B4 10M 16QAM 50@0 CH 20175



B4 10M QPSK 50@0 CH 20350



B4 10M 16QAM 50@0 CH 20350



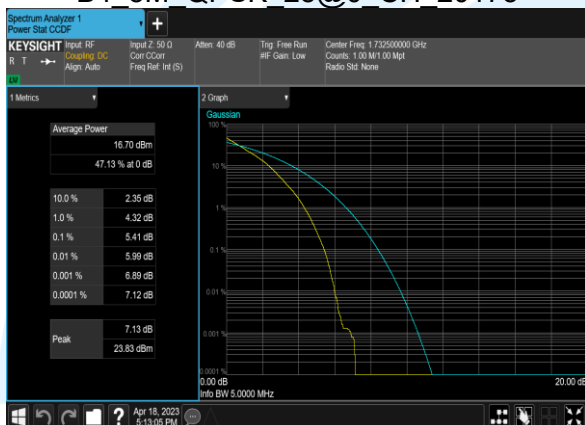
B4 5M QPSK 25@0 CH 19975



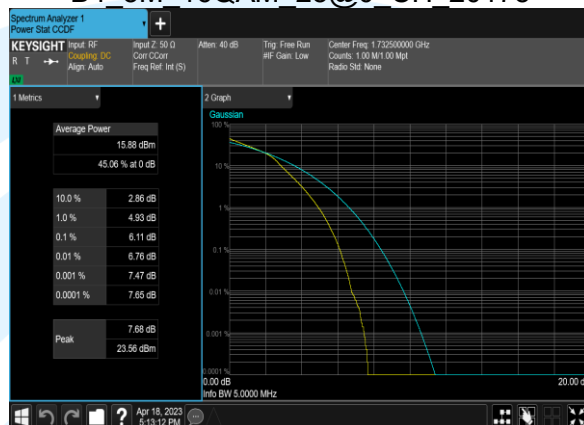
B4 5M 16QAM 25@0 CH 19975



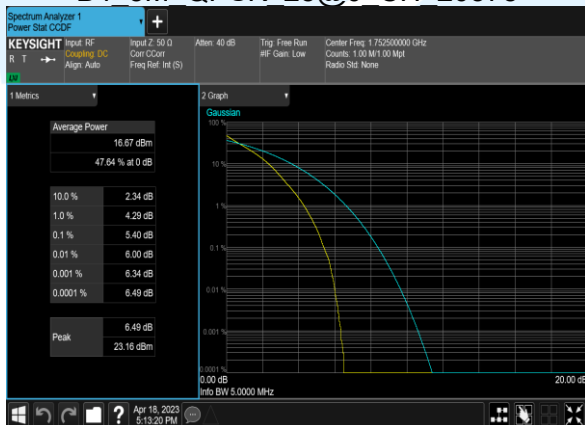
B4 5M QPSK 25@0 CH 20175



B4 5M 16QAM 25@0 CH 20175



B4 5M QPSK 25@0 CH 20375



B4 5M 16QAM 25@0 CH 20375



B4 3M QPSK 15@0 CH 19965



B4 3M 16QAM 15@0 CH 19965



B4 3M QPSK 15@0 CH 20175



B4 3M 16QAM 15@0 CH 20175



B4 3M QPSK 15@0 CH 20385



B4 3M 16QAM 15@0 CH 20385



B4 1.4M QPSK 6@0 CH 19957



B4 1.4M 16QAM 6@0 CH 19957



B4 1.4M QPSK 6@0 CH 20175



B4 1.4M 16QAM 6@0 CH 20175



B4 1.4M QPSK 6@0 CH 20393



B4 1.4M 16QAM 6@0 CH 20393



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5.4.3 LTE Band 5

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	829.0	QPSK	50@0	5.69	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.37	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.60	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.34	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.74	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.45	13	PASS
5	5.0	20425	826.5	QPSK	25@0	5.66	13	PASS
5	5.0	20425	826.5	16QAM	25@0	6.28	13	PASS
5	5.0	20525	836.5	QPSK	25@0	5.58	13	PASS
5	5.0	20525	836.5	16QAM	25@0	6.24	13	PASS
5	5.0	20625	846.5	QPSK	25@0	5.58	13	PASS
5	5.0	20625	846.5	16QAM	25@0	6.26	13	PASS
5	3.0	20415	825.5	QPSK	15@0	5.59	13	PASS
5	3.0	20415	825.5	16QAM	15@0	6.30	13	PASS
5	3.0	20525	836.5	QPSK	15@0	5.50	13	PASS
5	3.0	20525	836.5	16QAM	15@0	6.31	13	PASS
5	3.0	20635	847.5	QPSK	15@0	5.59	13	PASS
5	3.0	20635	847.5	16QAM	15@0	6.31	13	PASS
5	1.4	20407	824.7	QPSK	6@0	5.33	13	PASS
5	1.4	20407	824.7	16QAM	6@0	6.07	13	PASS
5	1.4	20525	836.5	QPSK	6@0	5.53	13	PASS
5	1.4	20525	836.5	16QAM	6@0	6.29	13	PASS
5	1.4	20643	848.3	QPSK	6@0	5.48	13	PASS
5	1.4	20643	848.3	16QAM	6@0	6.21	13	PASS

Test Graphs

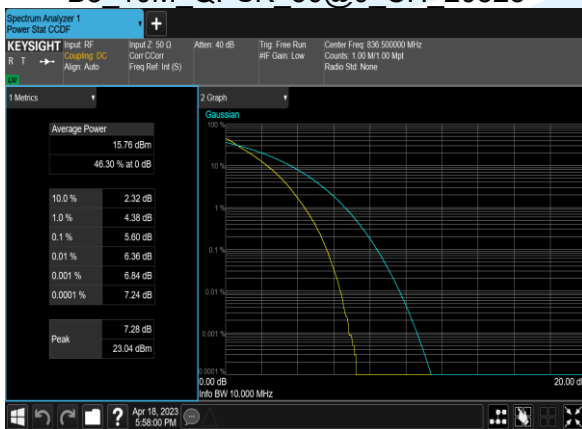
B5 10M QPSK 50@0 CH 20450



B5 10M 16QAM 50@0 CH 20450



B5 10M QPSK 50@0 CH 20525



B5 10M 16QAM 50@0 CH 20525



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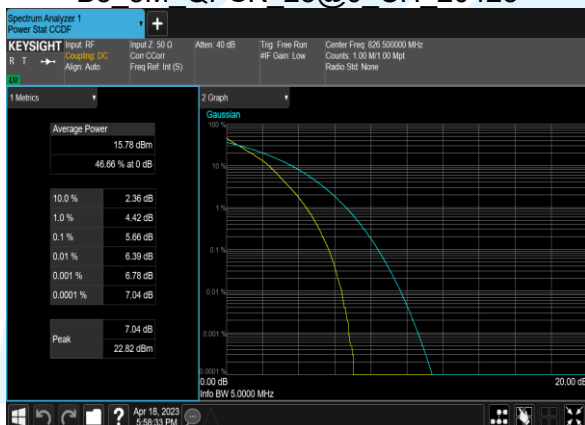
B5 10M QPSK 50@0 CH 20600



B5 10M 16QAM 50@0 CH 20600



B5 5M QPSK 25@0 CH 20425



B5 5M 16QAM 25@0 CH 20425



B5 5M QPSK 25@0 CH 20525



B5 5M 16QAM 25@0 CH 20525



B5 5M QPSK 25@0 CH 20625



B5 5M 16QAM 25@0 CH 20625



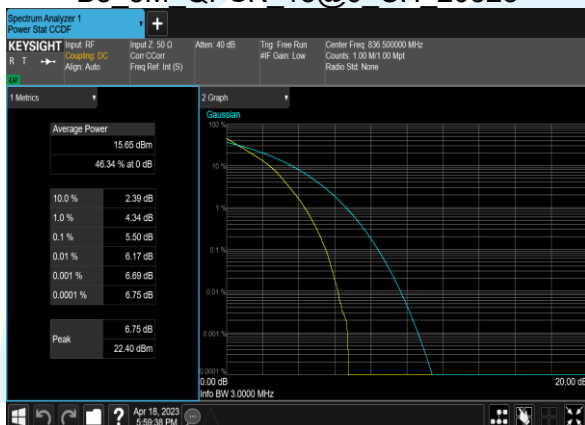
B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



B5_3M_QPSK_15@0_CH_20525



B5_3M_16QAM_15@0_CH_20525



B5_3M_QPSK_15@0_CH_20635



B5_3M_16QAM_15@0_CH_20635



B5_1.4M_QPSK_6@0_CH_20407



B5_1.4M_16QAM_6@0_CH_20407



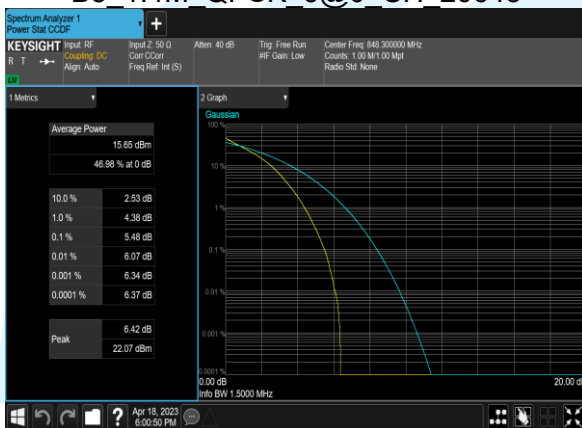
B5 1.4M QPSK 6@0 CH 20525



B5 1.4M 16QAM 6@0 CH 20525



B5 1.4M QPSK 6@0 CH 20643



B5 1.4M 16QAM 6@0 CH 20643



5.4.4 LTE Band 12

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
12	10.0	23060	704.0	QPSK	50@0	5.37	13	PASS
12	10.0	23060	704.0	16QAM	50@0	6.12	13	PASS
12	10.0	23095	707.5	QPSK	50@0	5.42	13	PASS
12	10.0	23095	707.5	16QAM	50@0	6.22	13	PASS
12	10.0	23130	711.0	QPSK	50@0	5.35	13	PASS
12	10.0	23130	711.0	16QAM	50@0	6.14	13	PASS
12	5.0	23035	701.5	QPSK	25@0	5.31	13	PASS
12	5.0	23035	701.5	16QAM	25@0	6.00	13	PASS
12	5.0	23095	707.5	QPSK	25@0	5.46	13	PASS
12	5.0	23095	707.5	16QAM	25@0	6.15	13	PASS
12	5.0	23155	713.5	QPSK	25@0	5.25	13	PASS
12	5.0	23155	713.5	16QAM	25@0	6.02	13	PASS
12	3.0	23025	700.5	QPSK	15@0	5.20	13	PASS
12	3.0	23025	700.5	16QAM	15@0	5.98	13	PASS
12	3.0	23095	707.5	QPSK	15@0	5.41	13	PASS
12	3.0	23095	707.5	16QAM	15@0	6.16	13	PASS
12	3.0	23165	714.5	QPSK	15@0	5.04	13	PASS
12	3.0	23165	714.5	16QAM	15@0	5.88	13	PASS
12	1.4	23017	699.7	QPSK	6@0	24.08	13	FAIL
12	1.4	23017	699.7	16QAM	6@0	5.82	13	PASS
12	1.4	23095	707.5	QPSK	6@0	5.35	13	PASS
12	1.4	23095	707.5	16QAM	6@0	6.16	13	PASS
12	1.4	23173	715.3	QPSK	6@0	4.75	13	PASS
12	1.4	23173	715.3	16QAM	6@0	5.61	13	PASS

Test Graphs**B12 10M QPSK 50@0 CH 23060****B12 10M 16QAM 50@0 CH 23060****B12 10M QPSK 50@0 CH 23095****B12 10M 16QAM 50@0 CH 23095**

B12_10M QPSK 50@0 CH 23130



B12_10M 16QAM 50@0 CH 23130



B12_5M QPSK 25@0 CH 23035



B12_5M 16QAM 25@0 CH 23035



B12_5M QPSK 25@0 CH 23095



B12_5M 16QAM 25@0 CH 23095



B12_5M QPSK 25@0 CH 23155



B12_5M 16QAM 25@0 CH 23155



B12 3M QPSK 15@0 CH 23025



B12 3M 16QAM 15@0 CH 23025



B12 3M QPSK 15@0 CH 23095



B12 3M 16QAM 15@0 CH 23095



B12 3M QPSK 15@0 CH 23165



B12 3M 16QAM 15@0 CH 23165



B12 1.4M QPSK 6@0 CH 23017



B12 1.4M 16QAM 6@0 CH 23017



B12 1.4M QPSK 6@0 CH 23095



B12 1.4M 16QAM 6@0 CH 23095



B12 1.4M QPSK 6@0 CH 23173



B12 1.4M 16QAM 6@0 CH 23173



5.4.5 LTE Band 13

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
13	10.0	23230	782.0	QPSK	50@0	5.52	13	PASS
13	10.0	23230	782.0	16QAM	50@0	6.24	13	PASS
13	5.0	23205	779.5	QPSK	25@0	5.39	13	PASS
13	5.0	23205	779.5	16QAM	25@0	6.06	13	PASS
13	5.0	23230	782.0	QPSK	25@0	5.74	13	PASS
13	5.0	23230	782.0	16QAM	25@0	6.40	13	PASS
13	5.0	23255	784.5	QPSK	25@0	5.67	13	PASS
13	5.0	23255	784.5	16QAM	25@0	6.37	13	PASS

Test Graphs

B13 10M QPSK 50@0 CH 23230



B13 10M 16QAM 50@0 CH 23230



B13 5M QPSK 25@0 CH 23205



B13 5M 16QAM 25@0 CH 23205



B13 5M QPSK 25@0 CH 23230



B13 5M 16QAM 25@0 CH 23230



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B13 5M QPSK 25@0 CH 23255



B13 5M 16QAM 25@0 CH 23255

