

5.4.6 LTE Band 25

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	20.0	26140	1860.0	QPSK	100@0	5.72	13	PASS
25	20.0	26140	1860.0	16QAM	100@0	6.45	13	PASS
25	20.0	26365	1882.5	QPSK	100@0	5.57	13	PASS
25	20.0	26365	1882.5	16QAM	100@0	6.35	13	PASS
25	20.0	26590	1905.0	QPSK	100@0	5.39	13	PASS
25	20.0	26590	1905.0	16QAM	100@0	6.18	13	PASS
25	15.0	26115	1857.5	QPSK	75@0	5.49	13	PASS
25	15.0	26115	1857.5	16QAM	75@0	6.28	13	PASS
25	15.0	26365	1882.5	QPSK	75@0	5.38	13	PASS
25	15.0	26365	1882.5	16QAM	75@0	6.18	13	PASS
25	15.0	26615	1907.5	QPSK	75@0	5.14	13	PASS
25	15.0	26615	1907.5	16QAM	75@0	6.02	13	PASS
25	10.0	26090	1855.0	QPSK	50@0	5.59	13	PASS
25	10.0	26090	1855.0	16QAM	50@0	6.38	13	PASS
25	10.0	26365	1882.5	QPSK	50@0	5.52	13	PASS
25	10.0	26365	1882.5	16QAM	50@0	6.28	13	PASS
25	10.0	26640	1910.0	QPSK	50@0	5.24	13	PASS
25	10.0	26640	1910.0	16QAM	50@0	6.02	13	PASS
25	5.0	26065	1852.5	QPSK	25@0	5.52	13	PASS
25	5.0	26065	1852.5	16QAM	25@0	6.26	13	PASS
25	5.0	26365	1882.5	QPSK	25@0	5.55	13	PASS
25	5.0	26365	1882.5	16QAM	25@0	6.25	13	PASS
25	5.0	26665	1912.5	QPSK	25@0	5.13	13	PASS
25	5.0	26665	1912.5	16QAM	25@0	5.86	13	PASS
25	3.0	26055	1851.5	QPSK	15@0	5.46	13	PASS
25	3.0	26055	1851.5	16QAM	15@0	6.22	13	PASS
25	3.0	26365	1882.5	QPSK	15@0	5.46	13	PASS
25	3.0	26365	1882.5	16QAM	15@0	6.26	13	PASS
25	3.0	26675	1913.5	QPSK	15@0	4.92	13	PASS
25	3.0	26675	1913.5	16QAM	15@0	5.80	13	PASS
25	1.4	26047	1850.7	QPSK	6@0	5.37	13	PASS
25	1.4	26047	1850.7	16QAM	6@0	6.20	13	PASS
25	1.4	26365	1882.5	QPSK	6@0	5.38	13	PASS
25	1.4	26365	1882.5	16QAM	6@0	6.20	13	PASS
25	1.4	26683	1914.3	QPSK	6@0	4.65	13	PASS
25	1.4	26683	1914.3	16QAM	6@0	5.55	13	PASS

Test Graphs

B25 20M QPSK 100@0 CH 26140



B25 20M 16QAM 100@0 CH 26140



B25 20M QPSK 100@0 CH 26365



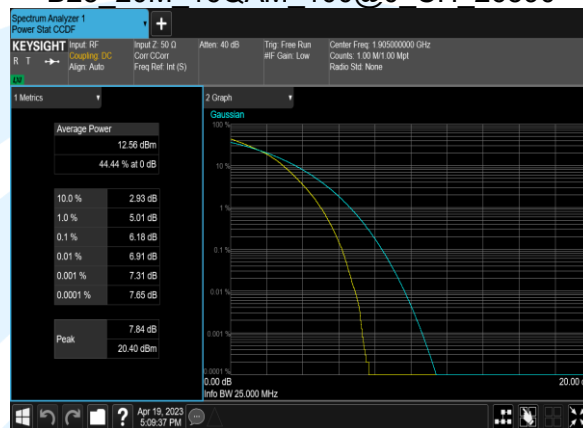
B25 20M 16QAM 100@0 CH 26365



B25 20M QPSK 100@0 CH 26590



B25 20M 16QAM 100@0 CH 26590



B25 15M QPSK 75@0 CH 26115



B25 15M 16QAM 75@0 CH 26115



B25 15M QPSK 75@0 CH 26365



B25 15M 16QAM 75@0 CH 26365



B25 15M QPSK 75@0 CH 26615



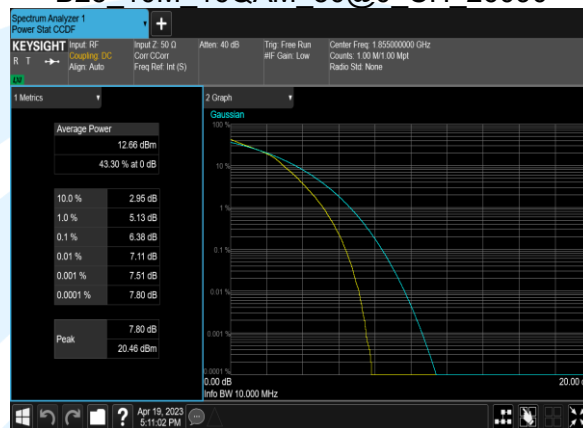
B25 15M 16QAM 75@0 CH 26615



B25 10M QPSK 50@0 CH 26090



B25 10M 16QAM 50@0 CH 26090



B25 10M QPSK 50@0 CH 26365



B25 10M 16QAM 50@0 CH 26365



B25 10M QPSK 50@0 CH 26640



B25 10M 16QAM 50@0 CH 26640



B25 5M QPSK 25@0 CH 26065



B25 5M 16QAM 25@0 CH 26065



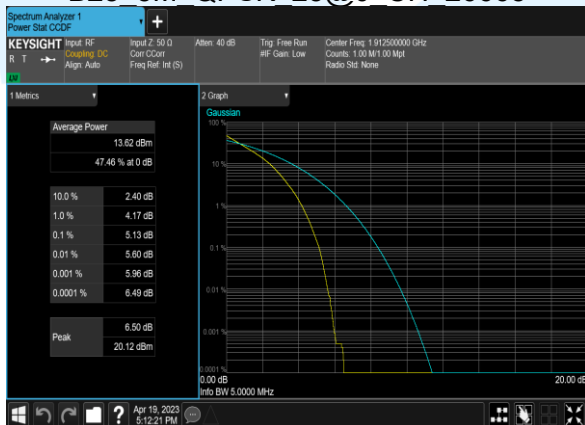
B25 5M QPSK 25@0 CH 26365



B25 5M 16QAM 25@0 CH 26365



B25 5M QPSK 25@0 CH 26665



B25 5M 16QAM 25@0 CH 26665



B25 3M QPSK 15@0 CH 26055



B25 3M 16QAM 15@0 CH 26055



B25 3M QPSK 15@0 CH 26365



B25 3M 16QAM 15@0 CH 26365



B25 3M QPSK 15@0 CH 26675



B25 3M 16QAM 15@0 CH 26675



B25 1.4M QPSK 6@0 CH 26047



B25 1.4M 16QAM 6@0 CH 26047



B25 1.4M QPSK 6@0 CH 26365



B25 1.4M 16QAM 6@0 CH 26365



B25 1.4M QPSK 6@0 CH 26683



B25 1.4M 16QAM 6@0 CH 26683

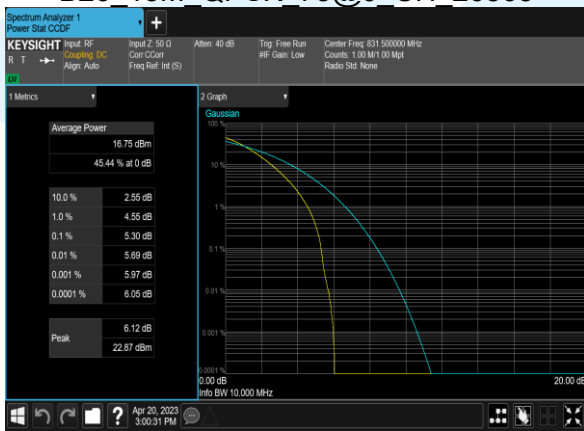


5.4.7 LTE Band 26

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
26	15.0	26865	831.5	QPSK	75@0	5.30	13	PASS
26	15.0	26865	831.5	16QAM	75@0	6.13	13	PASS
26	15.0	26915	836.5	QPSK	75@0	5.29	13	PASS
26	15.0	26915	836.5	16QAM	75@0	6.07	13	PASS
26	15.0	26965	841.5	QPSK	75@0	5.16	13	PASS
26	15.0	26965	841.5	16QAM	75@0	6.05	13	PASS
26	10.0	26840	829.0	QPSK	50@0	5.53	13	PASS
26	10.0	26840	829.0	16QAM	50@0	6.29	13	PASS
26	10.0	26915	836.5	QPSK	50@0	5.36	13	PASS
26	10.0	26915	836.5	16QAM	50@0	6.14	13	PASS
26	10.0	26990	844.0	QPSK	50@0	5.30	13	PASS
26	10.0	26990	844.0	16QAM	50@0	6.11	13	PASS
26	5.0	26815	826.5	QPSK	25@0	5.58	13	PASS
26	5.0	26815	826.5	16QAM	25@0	6.29	13	PASS
26	5.0	26915	836.5	QPSK	25@0	5.28	13	PASS
26	5.0	26915	836.5	16QAM	25@0	5.98	13	PASS
26	5.0	27015	846.5	QPSK	25@0	5.06	13	PASS
26	5.0	27015	846.5	16QAM	25@0	5.81	13	PASS
26	3.0	26805	825.5	QPSK	15@0	5.52	13	PASS
26	3.0	26805	825.5	16QAM	15@0	6.29	13	PASS
26	3.0	26915	836.5	QPSK	15@0	5.20	13	PASS
26	3.0	26915	836.5	16QAM	15@0	5.97	13	PASS
26	3.0	27025	847.5	QPSK	15@0	4.88	13	PASS
26	3.0	27025	847.5	16QAM	15@0	5.71	13	PASS
26	1.4	26797	824.7	QPSK	6@0	5.41	13	PASS
26	1.4	26797	824.7	16QAM	6@0	6.23	13	PASS
26	1.4	26915	836.5	QPSK	6@0	5.11	13	PASS
26	1.4	26915	836.5	16QAM	6@0	5.90	13	PASS
26	1.4	27033	848.3	QPSK	6@0	4.75	13	PASS
26	1.4	27033	848.3	16QAM	6@0	5.55	13	PASS

Test Graphs

B26 15M QPSK 75@0 CH 26865



B26 15M 16QAM 75@0 CH 26865



B26 15M QPSK 75@0 CH 26915



B26 15M 16QAM 75@0 CH 26915



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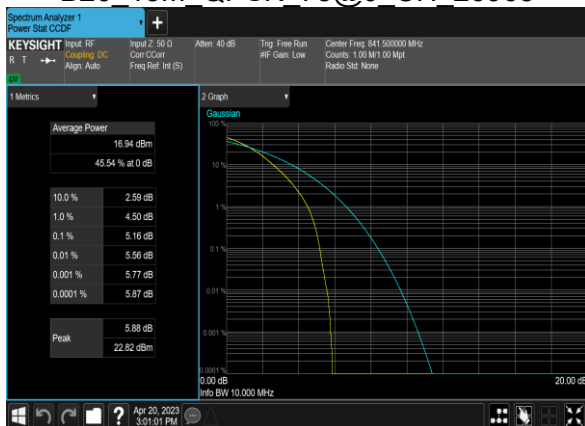
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B26 15M QPSK 75@0 CH 26965



B26 15M 16QAM 75@0 CH 26965



B26 10M QPSK 50@0 CH 26840



B26 10M 16QAM 50@0 CH 26840



B26 10M QPSK 50@0 CH 26915



B26 10M 16QAM 50@0 CH 26915



B26 10M QPSK 50@0 CH 26990



B26 10M 16QAM 50@0 CH 26990



B26 5M QPSK 25@0 CH 26815



B26 5M 16QAM 25@0 CH 26815



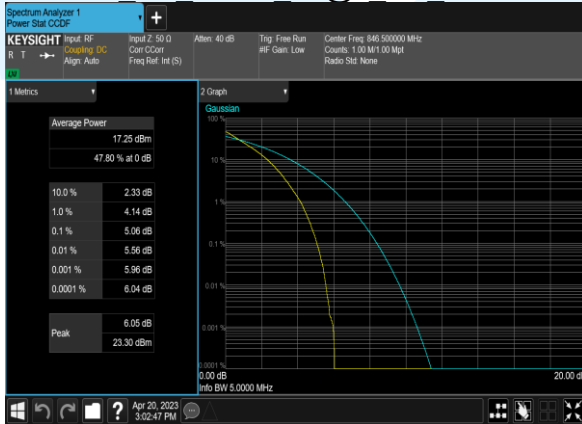
B26 5M QPSK 25@0 CH 26915



B26 5M 16QAM 25@0 CH 26915



B26 5M QPSK 25@0 CH 27015



B26 5M 16QAM 25@0 CH 27015



B26 3M QPSK 15@0 CH 26805



B26 3M 16QAM 15@0 CH 26805



B26 3M QPSK 15@0 CH 26915



B26 3M 16QAM 15@0 CH 26915



B26 3M QPSK 15@0 CH 27025



B26 3M 16QAM 15@0 CH 27025



B26 1.4M QPSK 6@0 CH 26797



B26 1.4M 16QAM 6@0 CH 26797



B26 1.4M QPSK 6@0 CH 26915



B26 1.4M 16QAM 6@0 CH 26915



B26 1.4M QPSK 6@0 CH 27033



B26 1.4M 16QAM 6@0 CH 27033



5.4.8 LTE Band 26 (Part 90S)

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
26	15.0	26765	821.5	QPSK	75@0	5.28	13	PASS
26	15.0	26765	821.5	16QAM	75@0	6.14	13	PASS
26	10.0	26740	819.0	QPSK	50@0	5.42	13	PASS
26	10.0	26740	819.0	16QAM	50@0	6.21	13	PASS
26	5.0	26715	816.5	QPSK	25@0	5.37	13	PASS
26	5.0	26715	816.5	16QAM	25@0	6.05	13	PASS
26	5.0	26740	819.0	QPSK	25@0	5.51	13	PASS
26	5.0	26740	819.0	16QAM	25@0	6.21	13	PASS
26	5.0	26765	821.5	QPSK	25@0	5.50	13	PASS
26	5.0	26765	821.5	16QAM	25@0	6.22	13	PASS
26	3.0	26705	815.5	QPSK	15@0	5.21	13	PASS
26	3.0	26705	815.5	16QAM	15@0	5.98	13	PASS
26	3.0	26740	819.0	QPSK	15@0	5.45	13	PASS
26	3.0	26740	819.0	16QAM	15@0	6.24	13	PASS
26	3.0	26775	822.5	QPSK	15@0	5.38	13	PASS
26	3.0	26775	822.5	16QAM	15@0	6.22	13	PASS
26	1.4	26697	814.7	QPSK	6@0	4.95	13	PASS
26	1.4	26697	814.7	16QAM	6@0	5.75	13	PASS
26	1.4	26740	819.0	QPSK	6@0	5.36	13	PASS
26	1.4	26740	819.0	16QAM	6@0	6.16	13	PASS
26	1.4	26783	823.3	QPSK	6@0	5.37	13	PASS
26	1.4	26783	823.3	16QAM	6@0	6.18	13	PASS

Test Graphs

B26 15M QPSK 75@0 CH 26765



B26 15M 16QAM 75@0 CH 26765



B26 10M QPSK 50@0 CH 26740



B26 10M 16QAM 50@0 CH 26740



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B26 5M QPSK 25@0 CH 26715



B26 5M 16QAM 25@0 CH 26715



B26 5M QPSK 25@0 CH 26740



B26 5M 16QAM 25@0 CH 26740



B26 5M QPSK 25@0 CH 26765



B26 5M 16QAM 25@0 CH 26765



B26 3M QPSK 15@0 CH 26705



B26 3M 16QAM 15@0 CH 26705



B26 3M QPSK 15@0 CH 26740



B26 3M 16QAM 15@0 CH 26740



B26 3M QPSK 15@0 CH 26775



B26 3M 16QAM 15@0 CH 26775



B26 1.4M QPSK 6@0 CH 26697



B26 1.4M 16QAM 6@0 CH 26697



B26 1.4M QPSK 6@0 CH 26740



B26 1.4M 16QAM 6@0 CH 26740



B26 1.4M QPSK 6@0 CH 26783



B26 1.4M 16QAM 6@0 CH 26783



5.599%&26DB BANDWIDTH**Test Requirement:** FCC 47 CFR Part 2.1049(h)**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4**Limit:** No Limit, for reporting purposes only.**Test Procedure:**

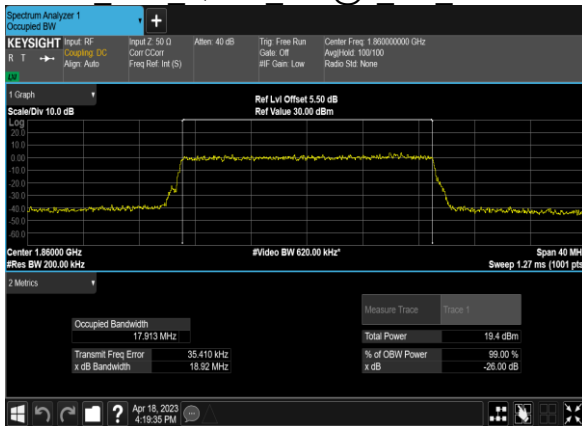
The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

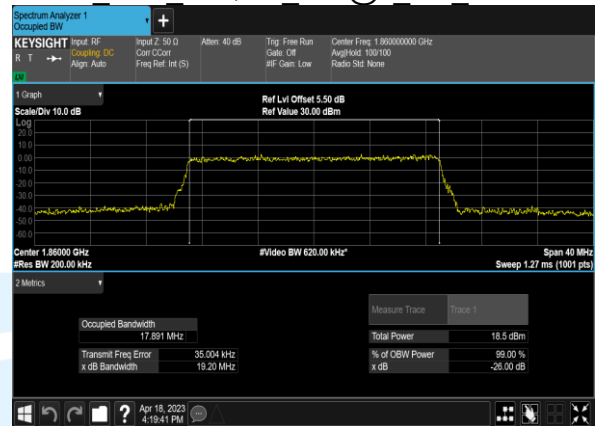
Test Setup: Refer to section 4.2.2 for details.**Instruments Used:** Refer to section 3 for details**Test Mode:** Link mode**Test Results:** Pass**Test Data:** See table below**5.5.1 LTE Band 2**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
2	20.0	18700	1860.0	QPSK	100@0	17.913	18.92
2	20.0	18700	1860.0	16QAM	100@0	17.891	19.20
2	20.0	18900	1880.0	QPSK	100@0	17.934	19.10
2	20.0	18900	1880.0	16QAM	100@0	17.910	19.17
2	20.0	19100	1900.0	QPSK	100@0	17.893	19.19
2	20.0	19100	1900.0	16QAM	100@0	17.946	19.28
2	15.0	18675	1857.5	QPSK	75@0	13.406	14.65
2	15.0	18675	1857.5	16QAM	75@0	13.401	14.53
2	15.0	18900	1880.0	QPSK	75@0	13.405	14.59
2	15.0	18900	1880.0	16QAM	75@0	13.413	14.38
2	15.0	19125	1902.5	QPSK	75@0	13.411	14.56
2	15.0	19125	1902.5	16QAM	75@0	13.405	14.54
2	10.0	18650	1855.0	QPSK	50@0	8.9470	9.534
2	10.0	18650	1855.0	16QAM	50@0	8.9521	9.518
2	10.0	18900	1880.0	QPSK	50@0	8.9380	9.546
2	10.0	18900	1880.0	16QAM	50@0	8.9380	9.647
2	10.0	19150	1905.0	QPSK	50@0	8.9438	9.657
2	10.0	19150	1905.0	16QAM	50@0	8.9468	9.676
2	5.0	18625	1852.5	QPSK	25@0	4.4585	4.867
2	5.0	18625	1852.5	16QAM	25@0	4.4649	4.848
2	5.0	18900	1880.0	QPSK	25@0	4.4541	4.861
2	5.0	18900	1880.0	16QAM	25@0	4.4685	4.867
2	5.0	19175	1907.5	QPSK	25@0	4.4509	4.849
2	5.0	19175	1907.5	16QAM	25@0	4.4550	4.843
2	3.0	18615	1851.5	QPSK	15@0	2.6922	2.965
2	3.0	18615	1851.5	16QAM	15@0	2.6779	2.956
2	3.0	18900	1880.0	QPSK	15@0	2.6914	2.985
2	3.0	18900	1880.0	16QAM	15@0	2.6837	2.986
2	3.0	19185	1908.5	QPSK	15@0	2.6859	2.941
2	3.0	19185	1908.5	16QAM	15@0	2.6841	2.963
2	1.4	18607	1850.7	QPSK	6@0	1.0787	1.211
2	1.4	18607	1850.7	16QAM	6@0	1.0815	1.223
2	1.4	18900	1880.0	QPSK	6@0	1.0791	1.216
2	1.4	18900	1880.0	16QAM	6@0	1.0780	1.215
2	1.4	19193	1909.3	QPSK	6@0	1.0806	1.220
2	1.4	19193	1909.3	16QAM	6@0	1.0817	1.219

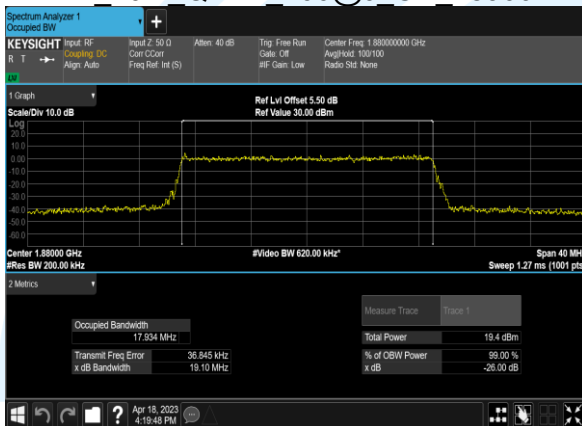
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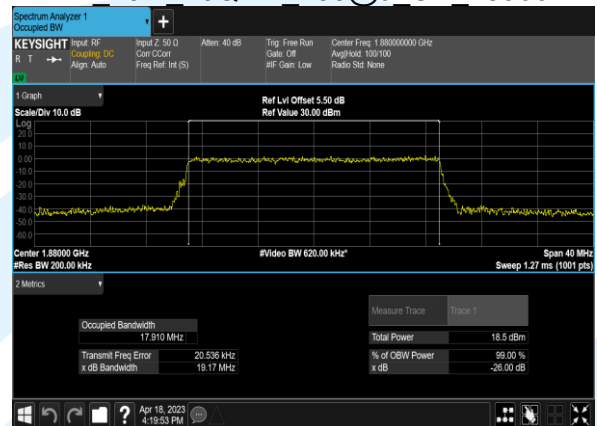
B2_20M 16QAM 100@0 CH 18700



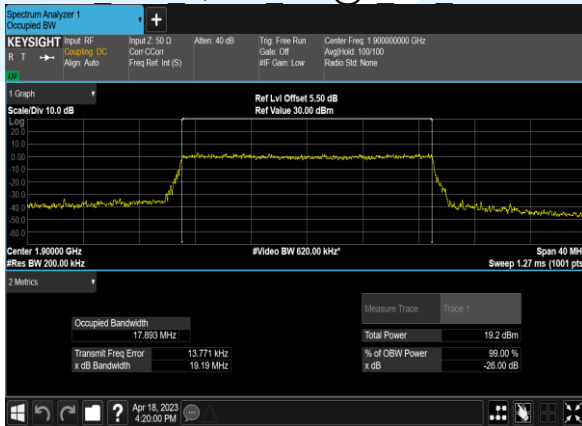
B2_20M QPSK 100@0 CH 18900



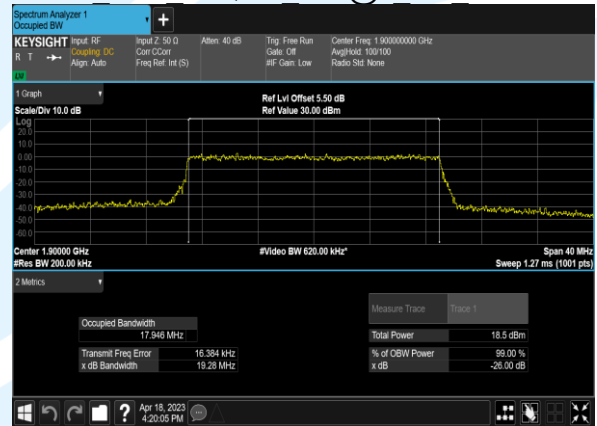
B2_20M 16QAM 100@0 CH 18900



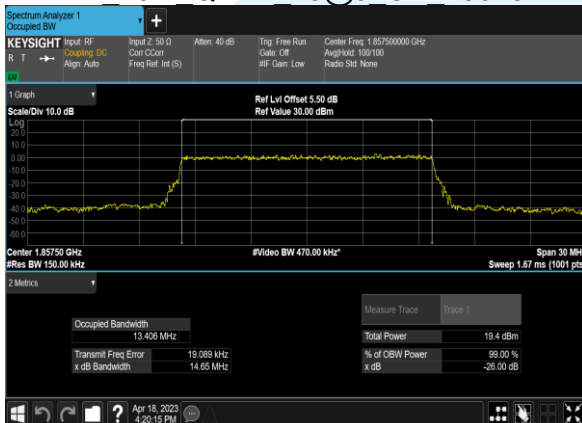
B2_20M QPSK 100@0 CH 19100



B2_20M 16QAM 100@0 CH 19100



B2_15M QPSK 75@0 CH 18675



B2_15M 16QAM 75@0 CH 18675

