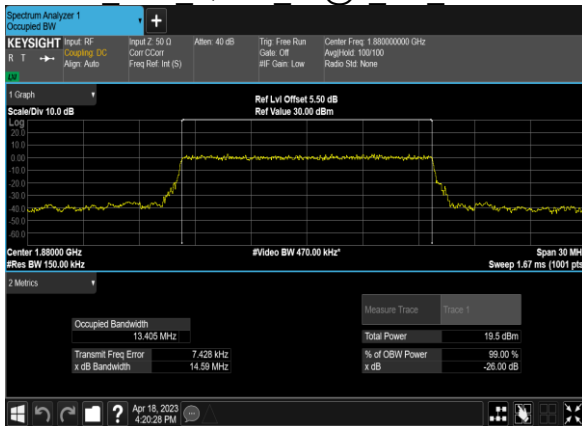
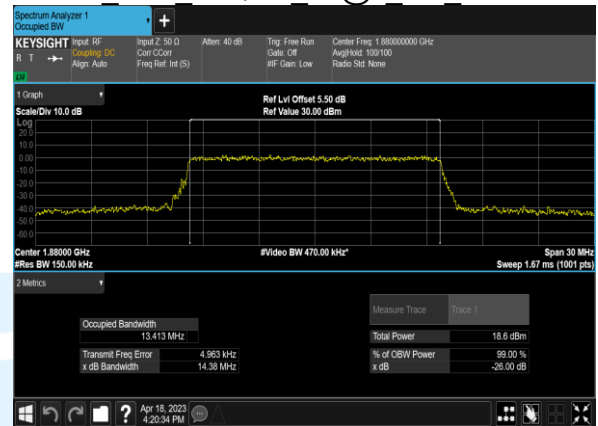


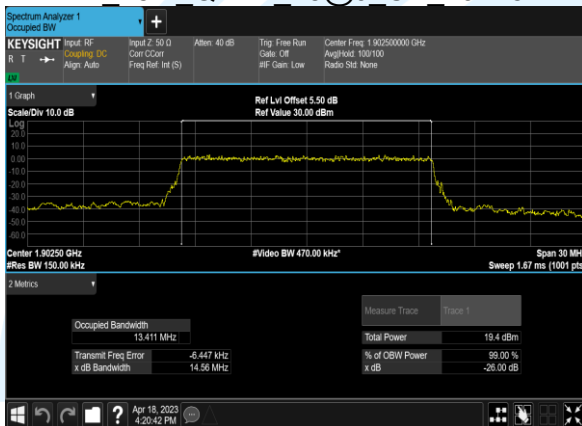
B2 15M QPSK 75@0 CH 18900



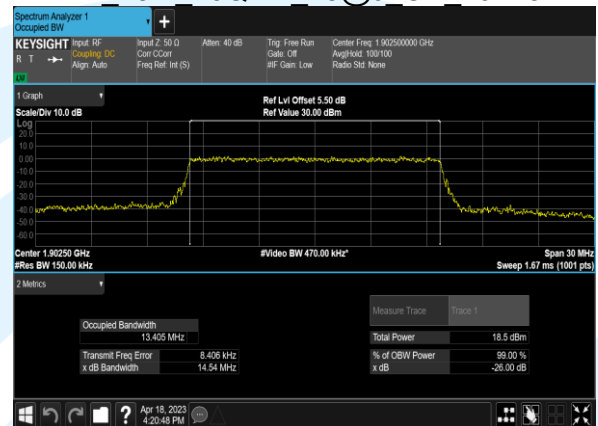
B2 15M 16QAM 75@0 CH 18900



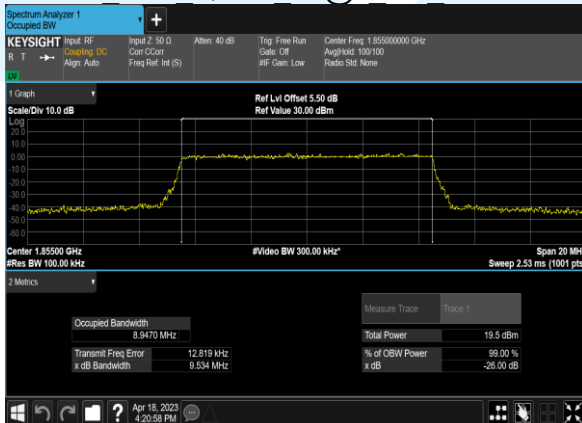
B2 15M QPSK 75@0 CH 19125



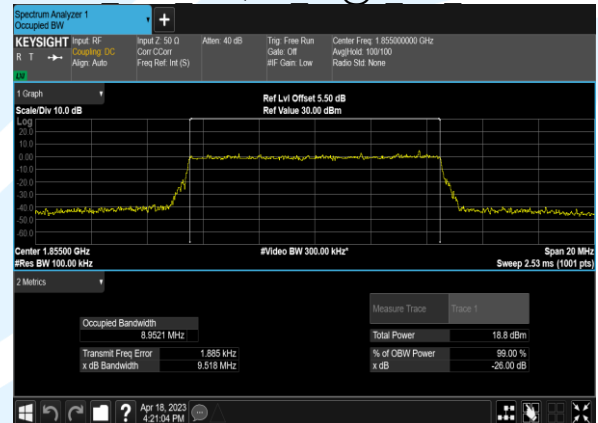
B2 15M 16QAM 75@0 CH 19125



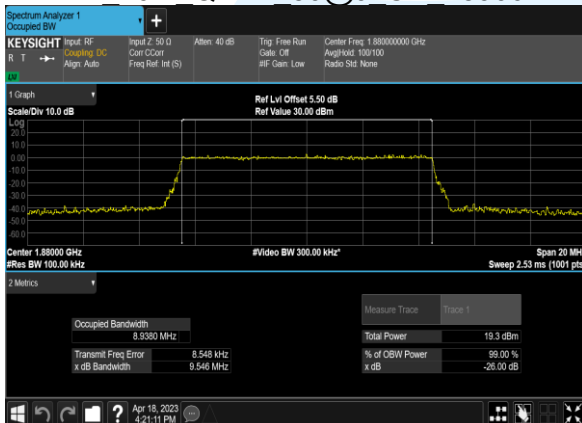
B2 10M QPSK 50@0 CH 18650



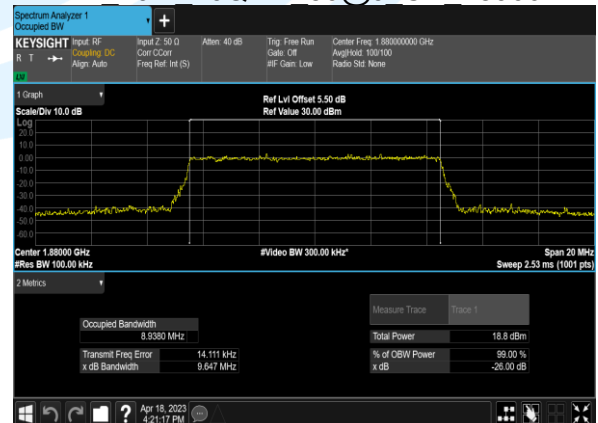
B2 10M 16QAM 50@0 CH 18650



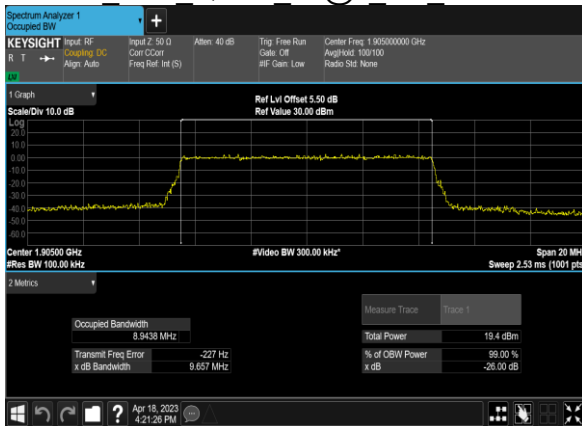
B2 10M QPSK 50@0 CH 18900



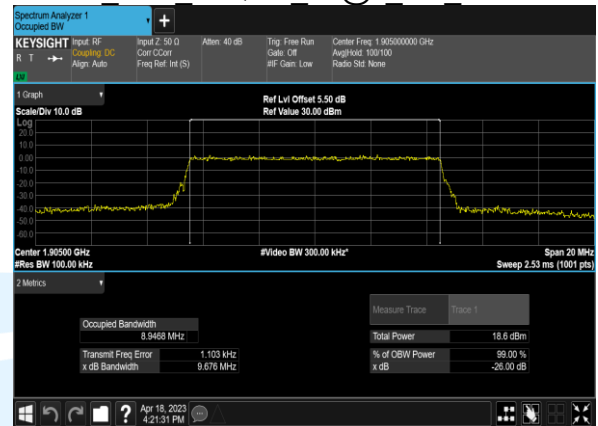
B2 10M 16QAM 50@0 CH 18900



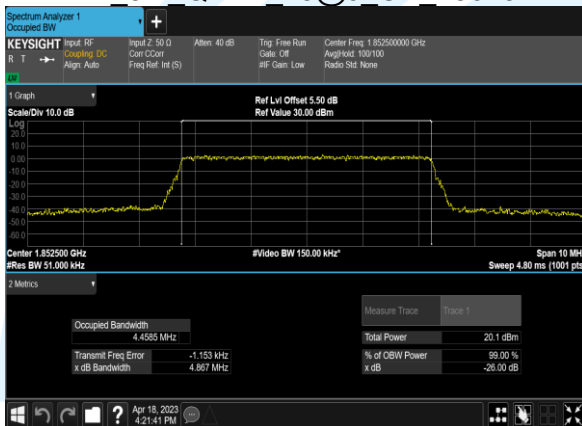
B2 10M QPSK 50@0 CH 19150



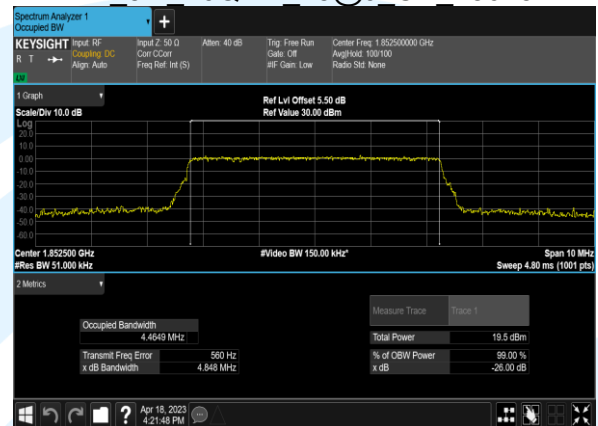
B2 10M 16QAM 50@0 CH 19150



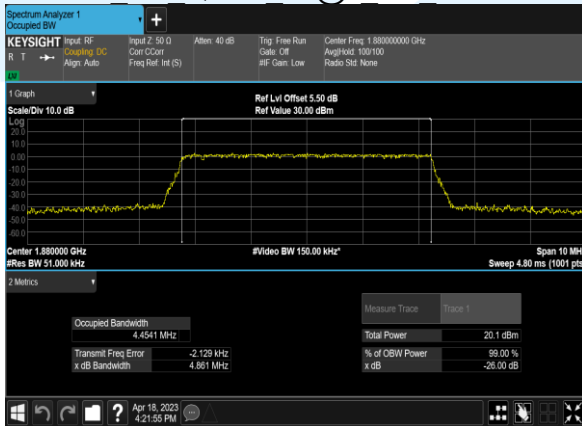
B2 5M QPSK 25@0 CH 18625



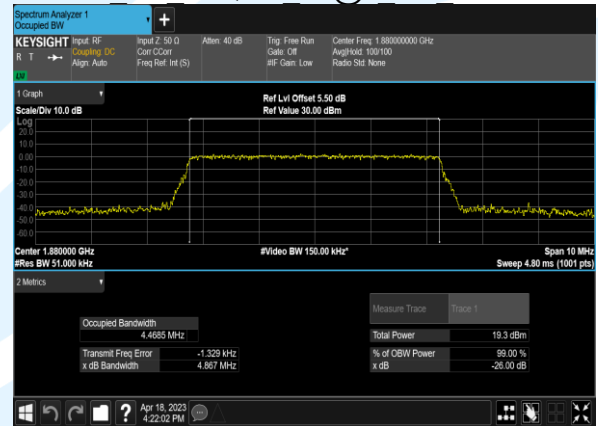
B2 5M 16QAM 25@0 CH 18625



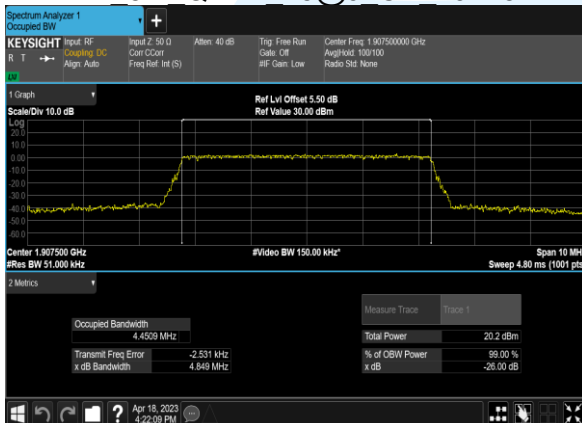
B2 5M QPSK 25@0 CH 18900



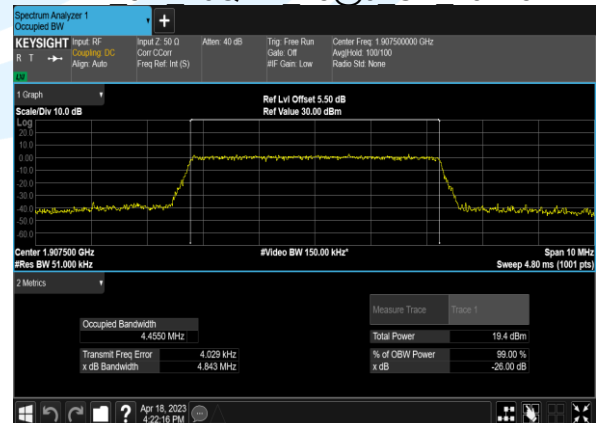
B2 5M 16QAM 25@0 CH 18900



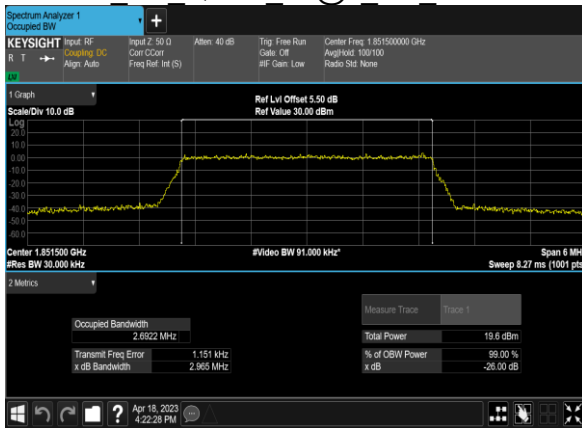
B2 5M QPSK 25@0 CH 19175



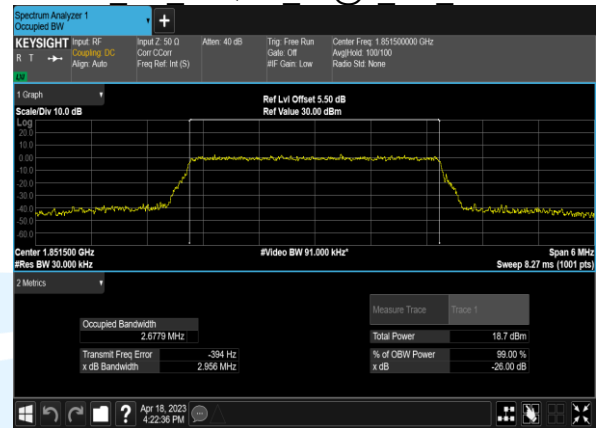
B2 5M 16QAM 25@0 CH 19175



B2_3M_QPSK_15@0_CH_18615



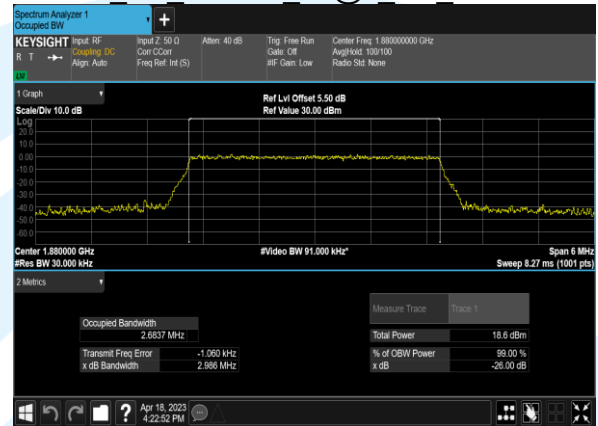
B2_3M_16QAM_15@0_CH_18615



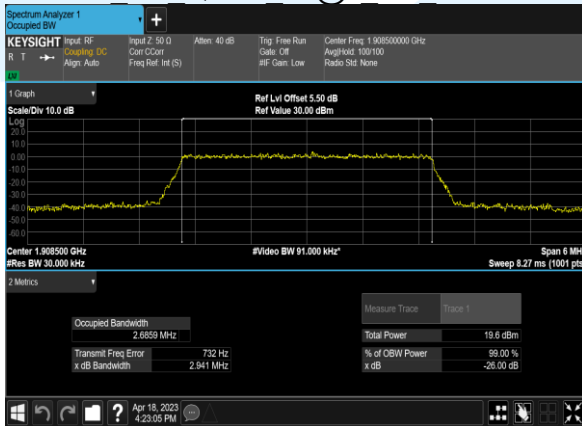
B2_3M_QPSK_15@0_CH_18900



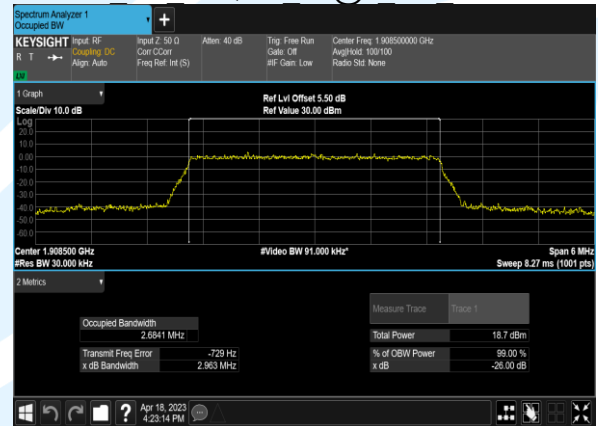
B2_3M_16QAM_15@0_CH_18900



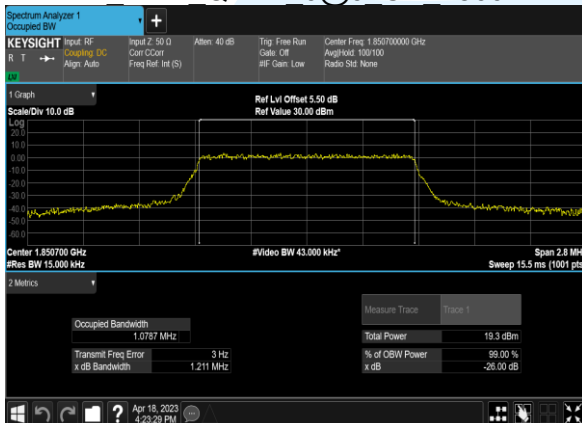
B2_3M_QPSK_15@0_CH_19185



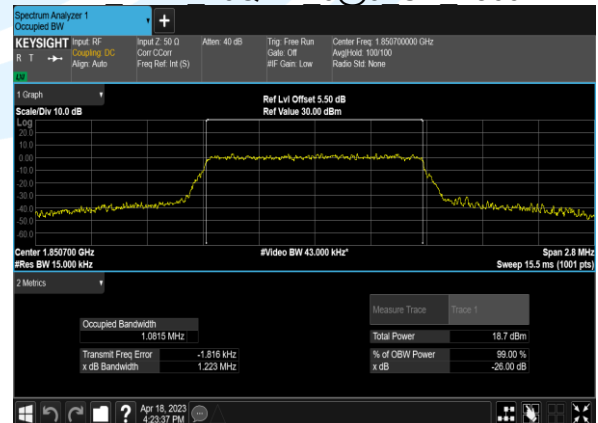
B2_3M_16QAM_15@0_CH_19185



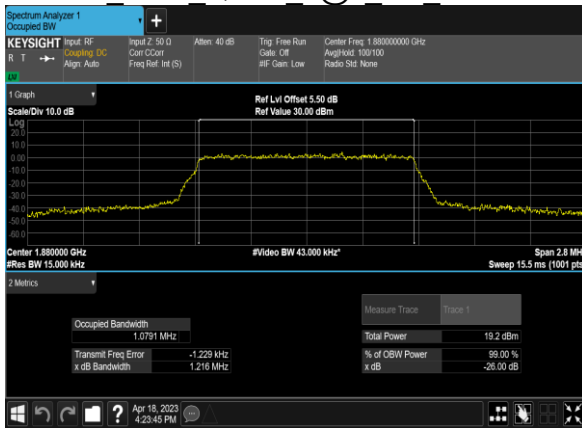
B2_1.4M_QPSK_6@0_CH_18607



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



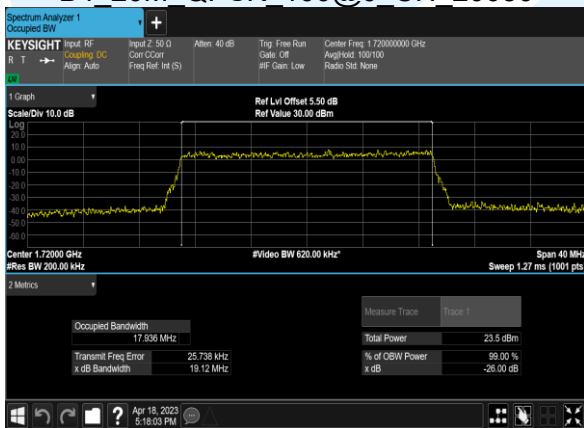
B2 1.4M 16QAM 6@0 CH 19193



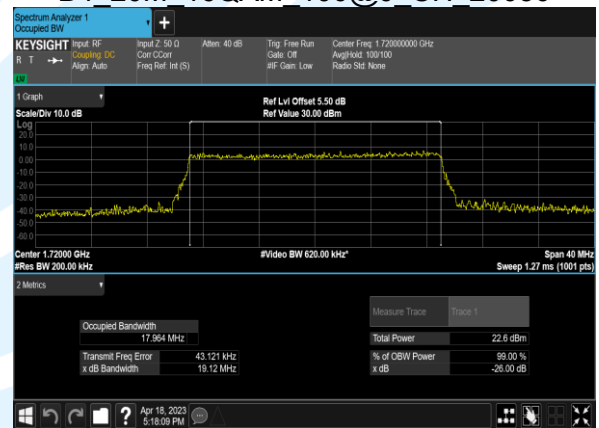
5.5.2 LTE Band 4

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
4	20.0	20050	1720.0	QPSK	100@0	17.936	19.12
4	20.0	20050	1720.0	16QAM	100@0	17.964	19.12
4	20.0	20175	1732.5	QPSK	100@0	17.864	19.07
4	20.0	20175	1732.5	16QAM	100@0	17.880	19.08
4	20.0	20300	1745.0	QPSK	100@0	17.900	19.33
4	20.0	20300	1745.0	16QAM	100@0	17.921	19.20
4	15.0	20025	1717.5	QPSK	75@0	13.423	14.52
4	15.0	20025	1717.5	16QAM	75@0	13.424	14.41
4	15.0	20175	1732.5	QPSK	75@0	13.378	14.40
4	15.0	20175	1732.5	16QAM	75@0	13.419	14.41
4	15.0	20325	1747.5	QPSK	75@0	13.432	14.41
4	15.0	20325	1747.5	16QAM	75@0	13.438	14.58
4	10.0	20000	1715.0	QPSK	50@0	8.9276	9.658
4	10.0	20000	1715.0	16QAM	50@0	8.9456	9.724
4	10.0	20175	1732.5	QPSK	50@0	8.9397	9.602
4	10.0	20175	1732.5	16QAM	50@0	8.9385	9.620
4	10.0	20350	1750.0	QPSK	50@0	8.9340	9.566
4	10.0	20350	1750.0	16QAM	50@0	8.9439	9.784
4	5.0	19975	1712.5	QPSK	25@0	4.4586	4.878
4	5.0	19975	1712.5	16QAM	25@0	4.4544	4.815
4	5.0	20175	1732.5	QPSK	25@0	4.4601	4.831
4	5.0	20175	1732.5	16QAM	25@0	4.4624	4.834
4	5.0	20375	1752.5	QPSK	25@0	4.4458	4.862
4	5.0	20375	1752.5	16QAM	25@0	4.4642	4.889
4	3.0	19965	1711.5	QPSK	15@0	2.6897	2.973
4	3.0	19965	1711.5	16QAM	15@0	2.6828	2.971
4	3.0	20175	1732.5	QPSK	15@0	2.6861	2.962
4	3.0	20175	1732.5	16QAM	15@0	2.6858	2.964
4	3.0	20385	1753.5	QPSK	15@0	2.6858	2.959
4	3.0	20385	1753.5	16QAM	15@0	2.6805	2.967
4	1.4	19957	1710.7	QPSK	6@0	1.0755	1.221
4	1.4	19957	1710.7	16QAM	6@0	1.0804	1.229
4	1.4	20175	1732.5	QPSK	6@0	1.0780	1.213
4	1.4	20175	1732.5	16QAM	6@0	1.0761	1.208
4	1.4	20393	1754.3	QPSK	6@0	1.0800	1.215
4	1.4	20393	1754.3	16QAM	6@0	1.0814	1.212

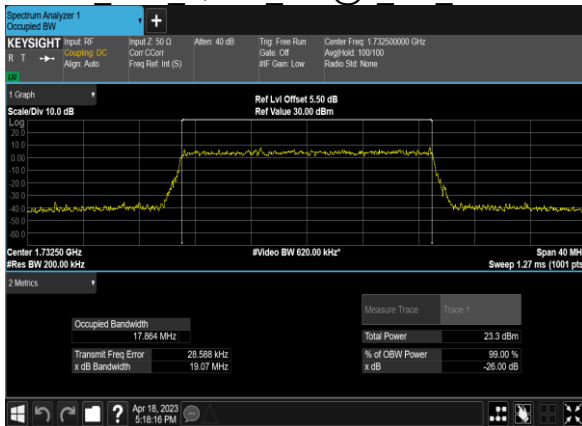
B4 20M QPSK 100@0 CH 20050



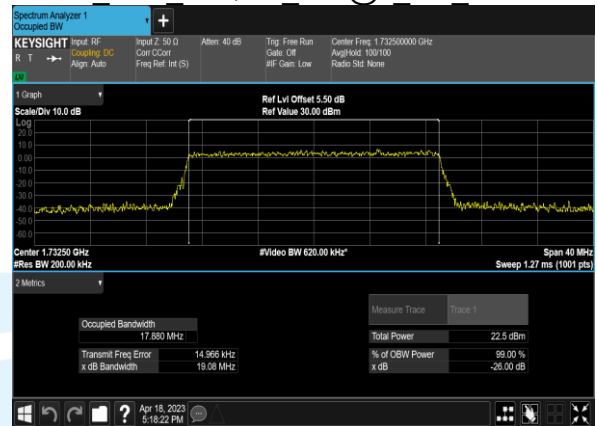
B4 20M 16QAM 100@0 CH 20050



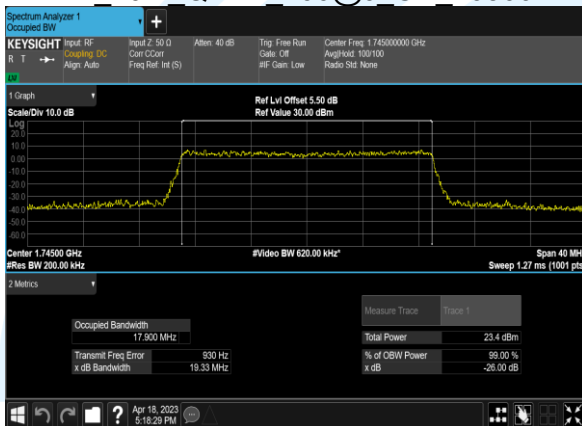
B4_20M_QPSK_100@0_CH_20175



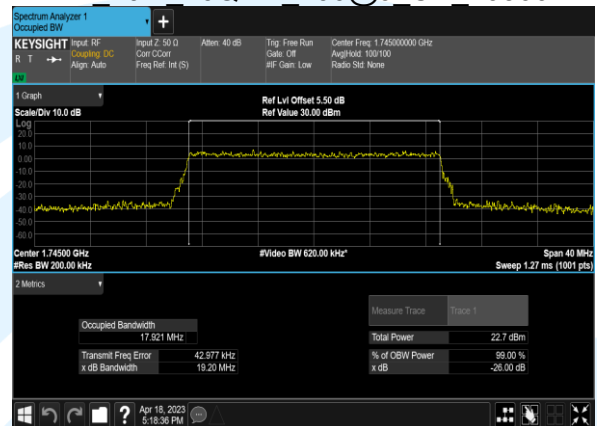
B4_20M_16QAM_100@0_CH_20175



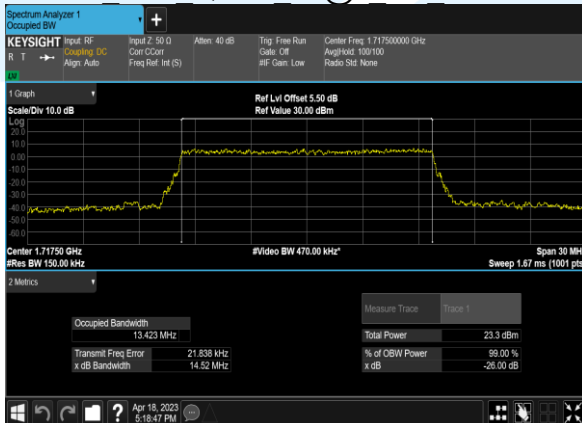
B4_20M_QPSK_100@0_CH_20300



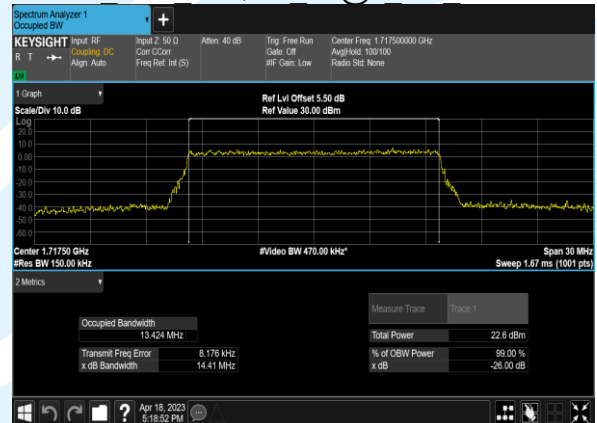
B4_20M_16QAM_100@0_CH_20300



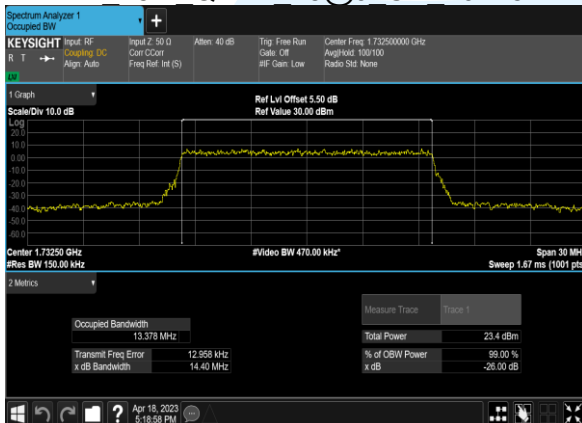
B4_15M_QPSK_75@0_CH_20025



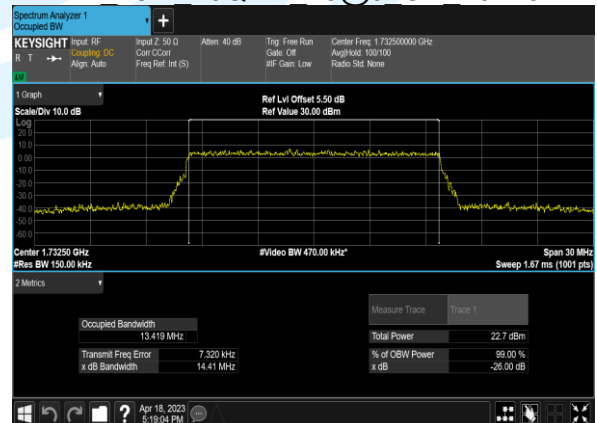
B4_15M_16QAM_75@0_CH_20025



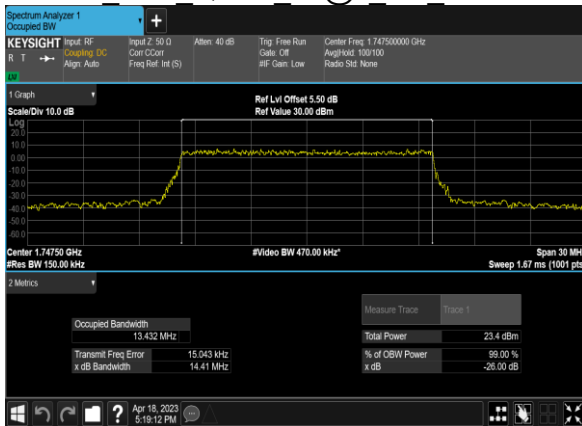
B4_15M_QPSK_75@0_CH_20175



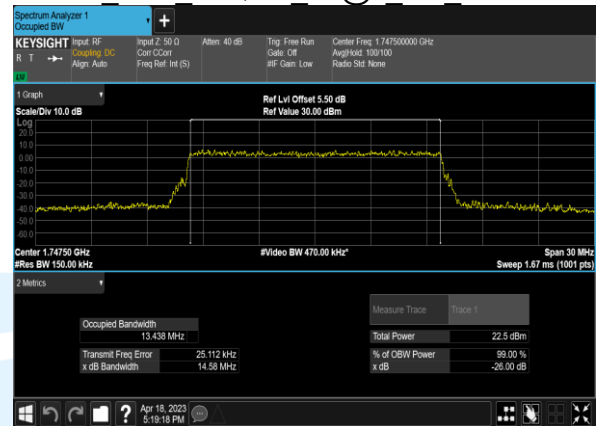
B4_15M_16QAM_75@0_CH_20175



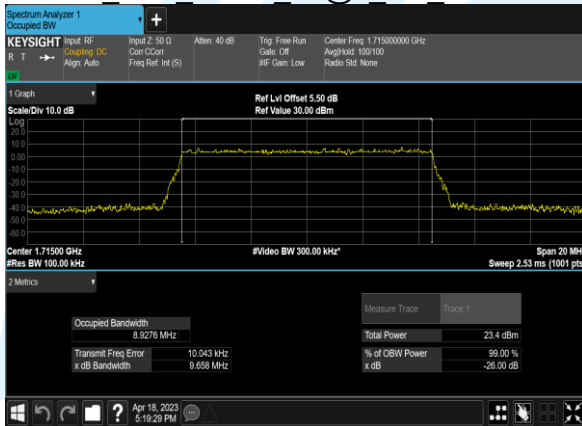
B4 15M QPSK 75@0 CH 20325



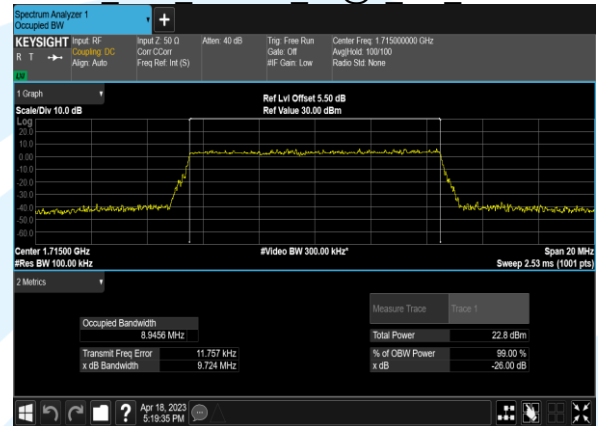
B4 15M 16QAM 75@0 CH 20325



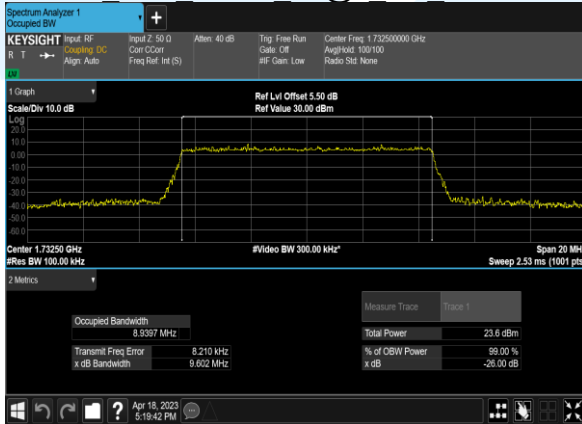
B4 10M QPSK 50@0 CH 20000



B4 10M 16QAM 50@0 CH 20000



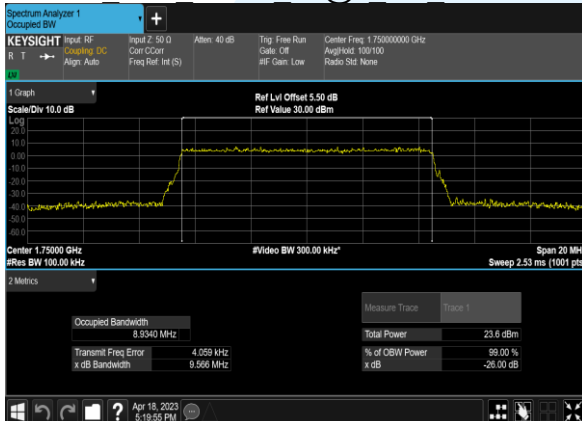
B4 10M QPSK 50@0 CH 20175



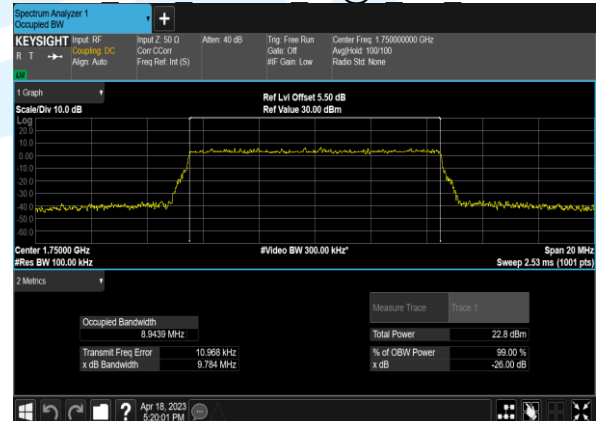
B4 10M 16QAM 50@0 CH 20175



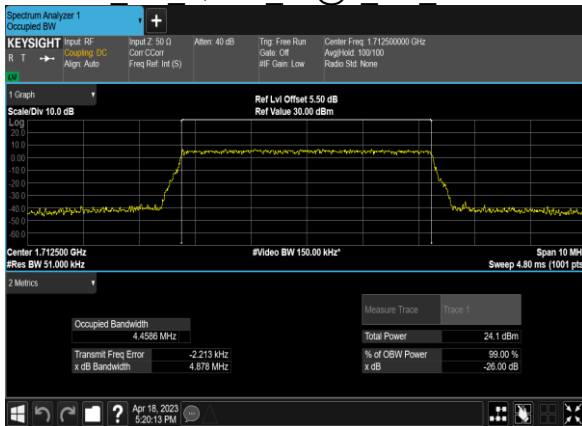
B4 10M QPSK 50@0 CH 20350



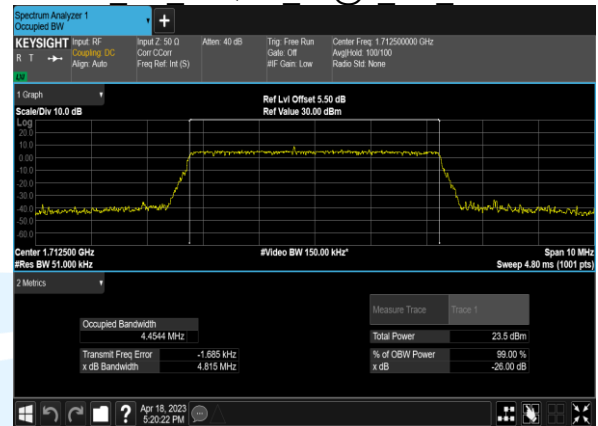
B4 10M 16QAM 50@0 CH 20350



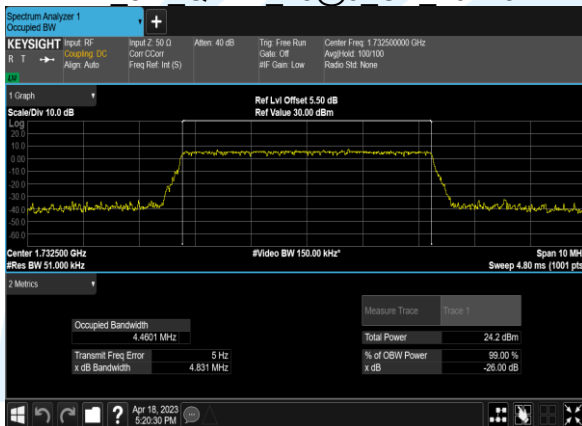
B4 5M QPSK 25@0 CH 19975



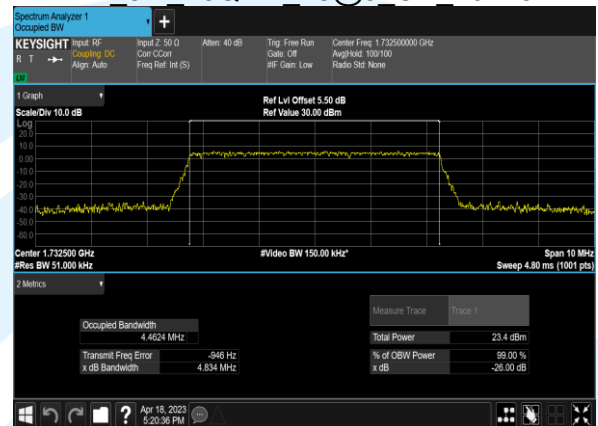
B4 5M 16QAM 25@0 CH 19975



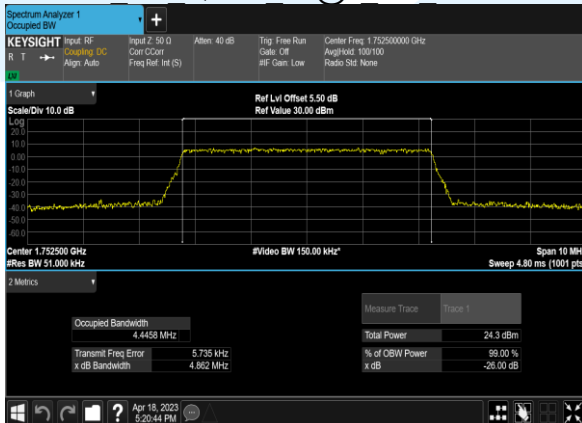
B4 5M QPSK 25@0 CH 20175



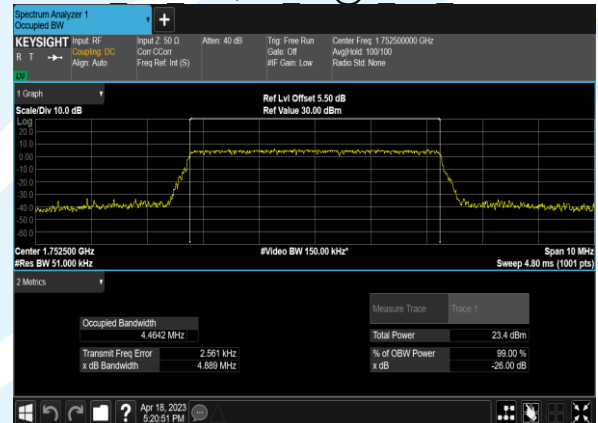
B4 5M 16QAM 25@0 CH 20175



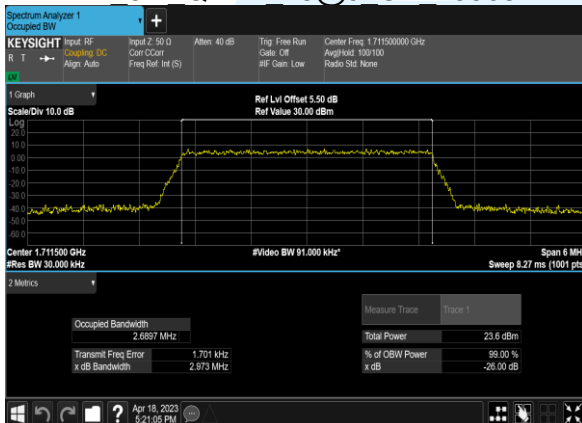
B4 5M QPSK 25@0 CH 20375



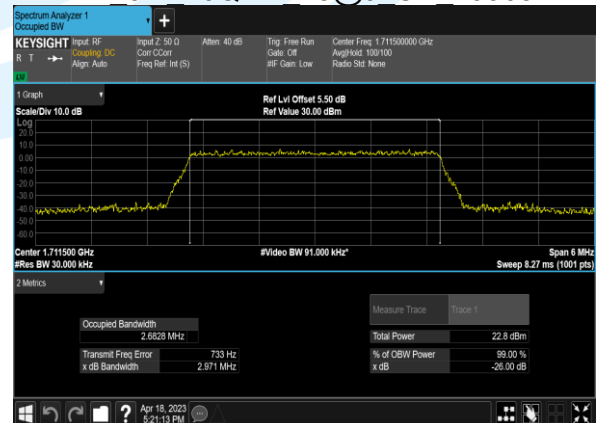
B4 5M 16QAM 25@0 CH 20375



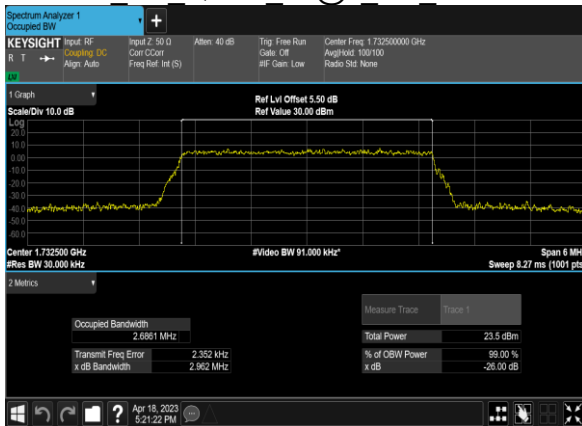
B4 3M QPSK 15@0 CH 19965



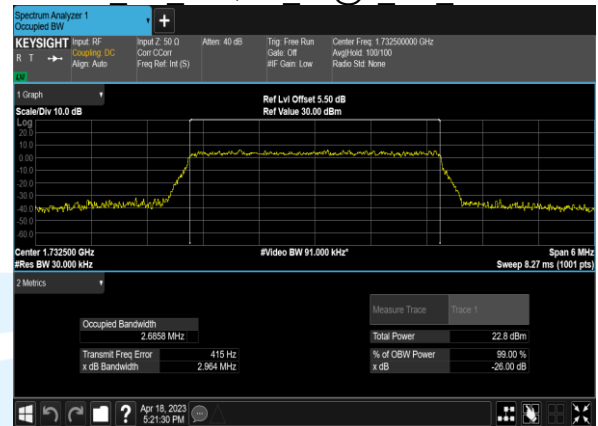
B4 3M 16QAM 15@0 CH 19965



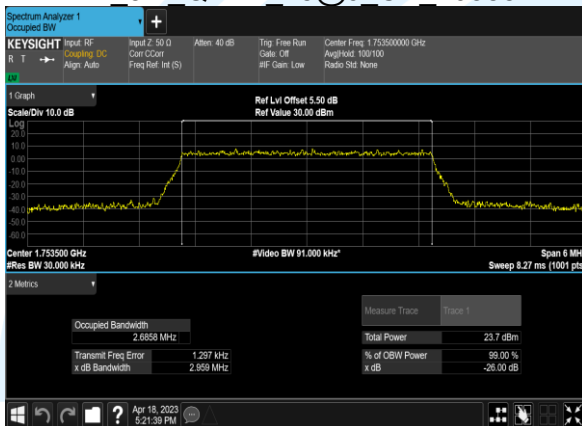
B4 3M QPSK 15@0 CH 20175



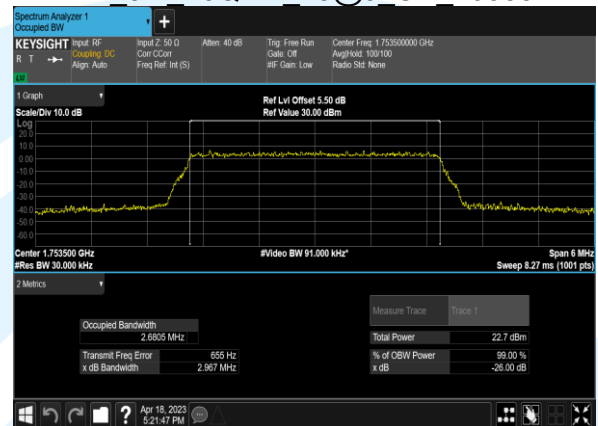
B4 3M 16QAM 15@0 CH 20175



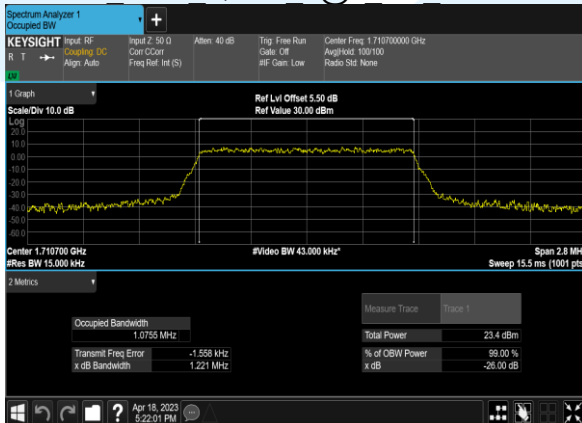
B4 3M QPSK 15@0 CH 20385



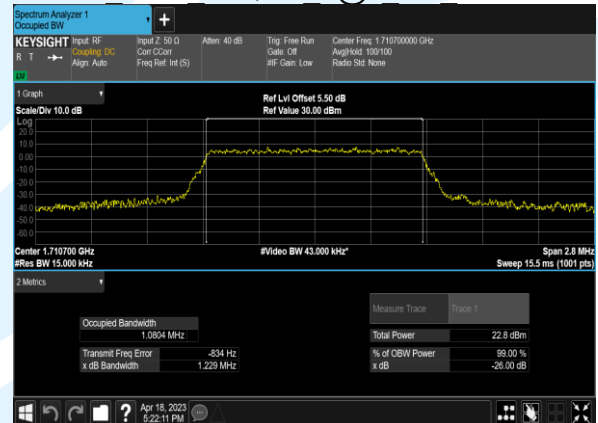
B4 3M 16QAM 15@0 CH 20385



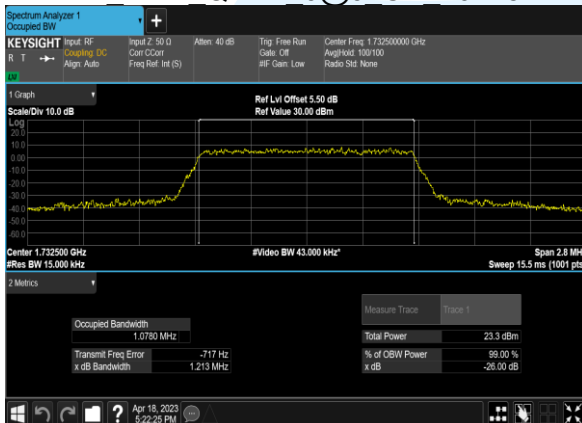
B4 1.4M QPSK 6@0 CH 19957



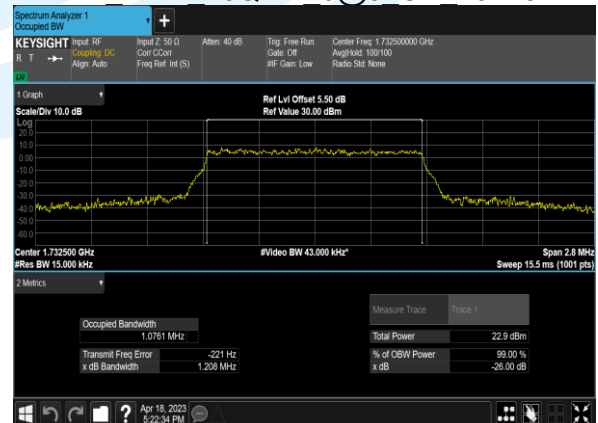
B4 1.4M 16QAM 6@0 CH 19957



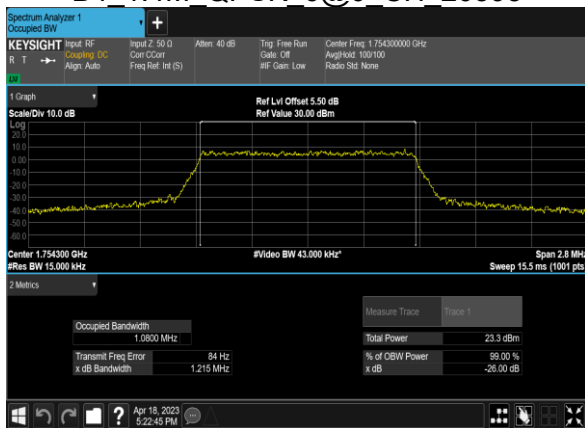
B4 1.4M QPSK 6@0 CH 20175



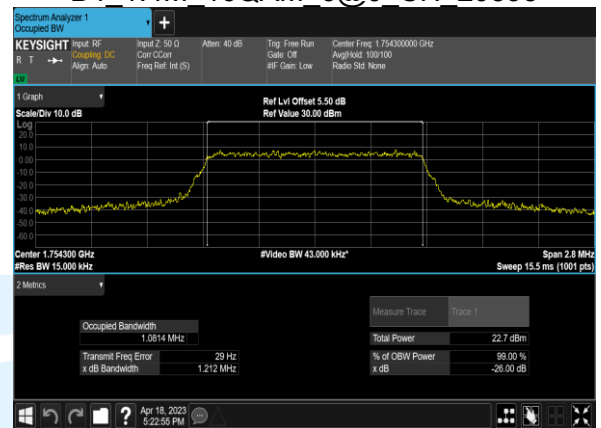
B4 1.4M 16QAM 6@0 CH 20175



B4 1.4M QPSK 6@0 CH 20393



B4 1.4M 16QAM 6@0 CH 20393

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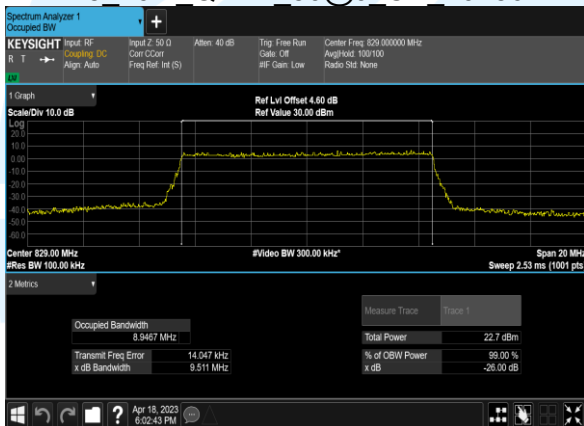
E-mail: info@uttlab.com<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

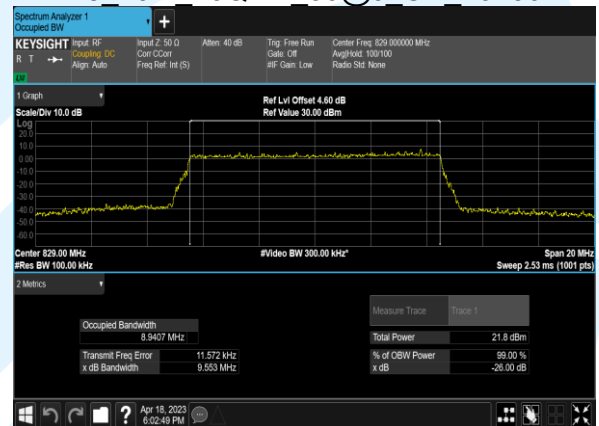
5.5.3 LTE Band 5

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	QPSK	50@0	8.9467	9.511
5	10.0	20450	829.0	16QAM	50@0	8.9407	9.553
5	10.0	20525	836.5	QPSK	50@0	8.9264	9.628
5	10.0	20525	836.5	16QAM	50@0	8.9219	9.712
5	10.0	20600	844.0	QPSK	50@0	8.9423	9.717
5	10.0	20600	844.0	16QAM	50@0	8.9359	9.714
5	5.0	20425	826.5	QPSK	25@0	4.4663	4.865
5	5.0	20425	826.5	16QAM	25@0	4.4587	4.894
5	5.0	20525	836.5	QPSK	25@0	4.4541	4.870
5	5.0	20525	836.5	16QAM	25@0	4.4568	4.886
5	5.0	20625	846.5	QPSK	25@0	4.4506	4.874
5	5.0	20625	846.5	16QAM	25@0	4.4645	4.880
5	3.0	20415	825.5	QPSK	15@0	2.6789	2.958
5	3.0	20415	825.5	16QAM	15@0	2.6797	2.964
5	3.0	20525	836.5	QPSK	15@0	2.6879	2.996
5	3.0	20525	836.5	16QAM	15@0	2.6851	2.974
5	3.0	20635	847.5	QPSK	15@0	2.6855	2.966
5	3.0	20635	847.5	16QAM	15@0	2.6773	2.982
5	1.4	20407	824.7	QPSK	6@0	1.0783	1.213
5	1.4	20407	824.7	16QAM	6@0	1.0796	1.222
5	1.4	20525	836.5	QPSK	6@0	1.0798	1.219
5	1.4	20525	836.5	16QAM	6@0	1.0780	1.214
5	1.4	20643	848.3	QPSK	6@0	1.0791	1.222
5	1.4	20643	848.3	16QAM	6@0	1.0810	1.221

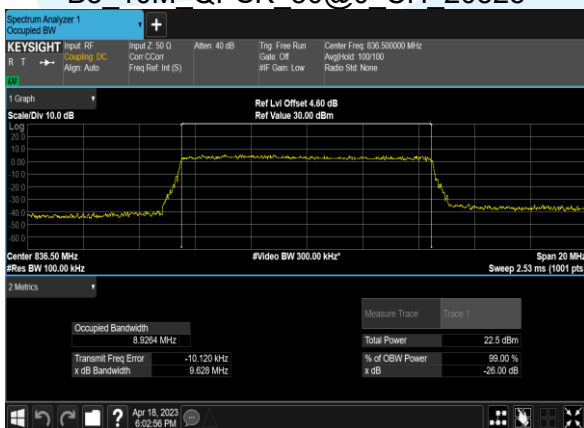
B5 10M QPSK 50@0 CH 20450



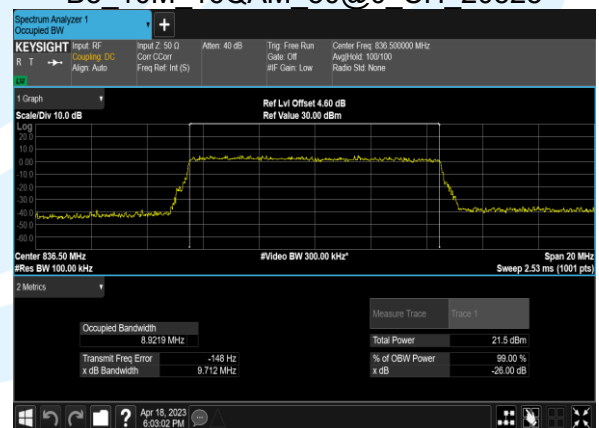
B5 10M 16QAM 50@0 CH 20450



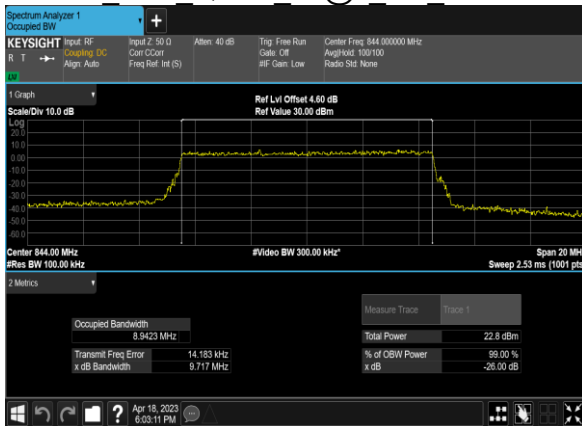
B5 10M QPSK 50@0 CH 20525



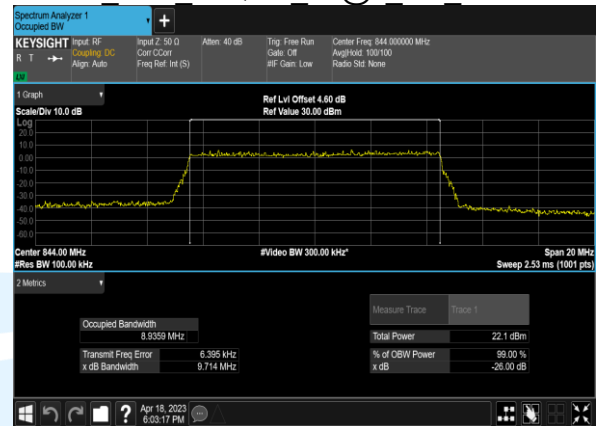
B5 10M 16QAM 50@0 CH 20525



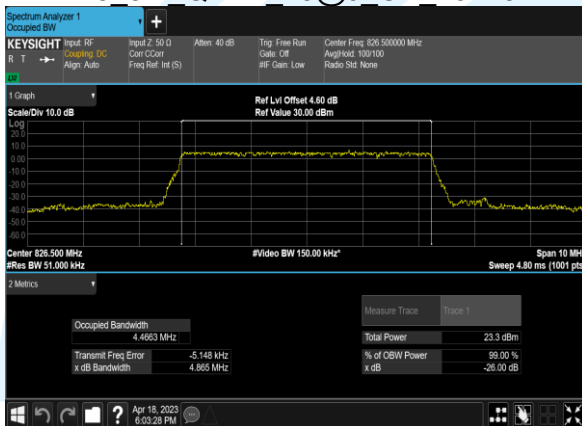
B5 10M QPSK 50@0 CH 20600



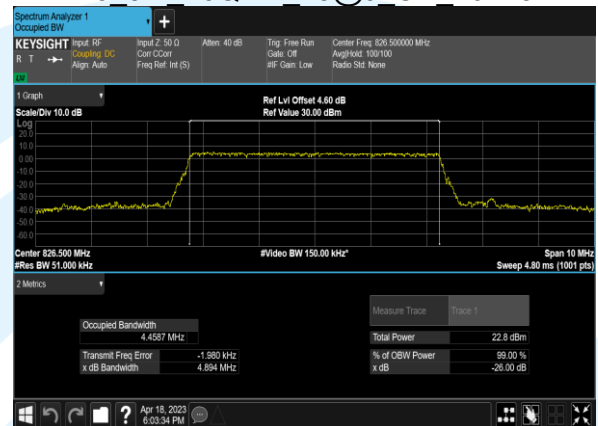
B5 10M 16QAM 50@0 CH 20600



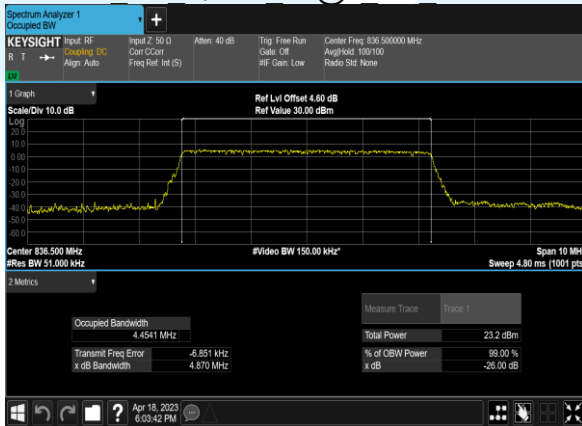
B5 5M QPSK 25@0 CH 20425



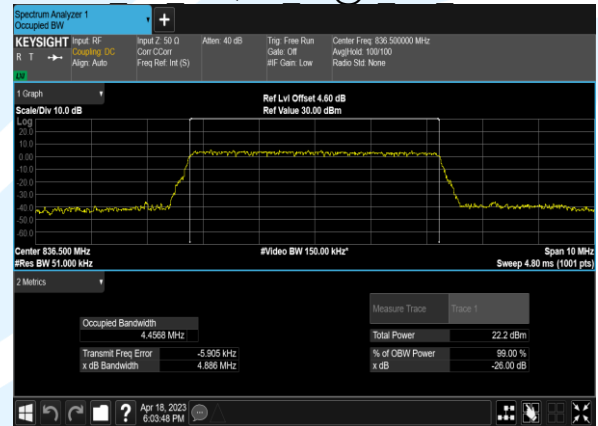
B5 5M 16QAM 25@0 CH 20425



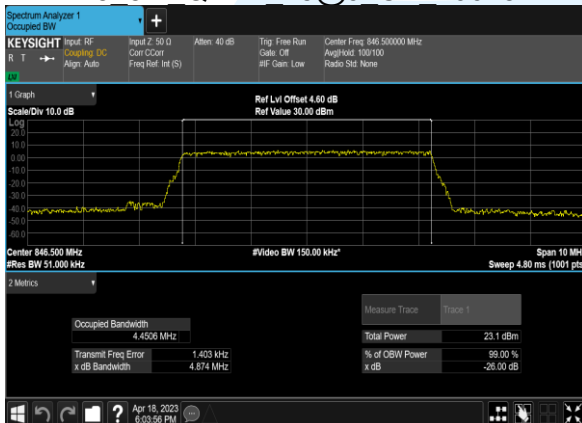
B5 5M QPSK 25@0 CH 20525



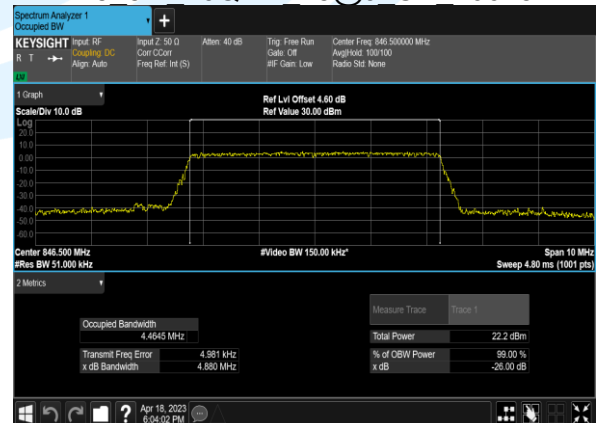
B5 5M 16QAM 25@0 CH 20525



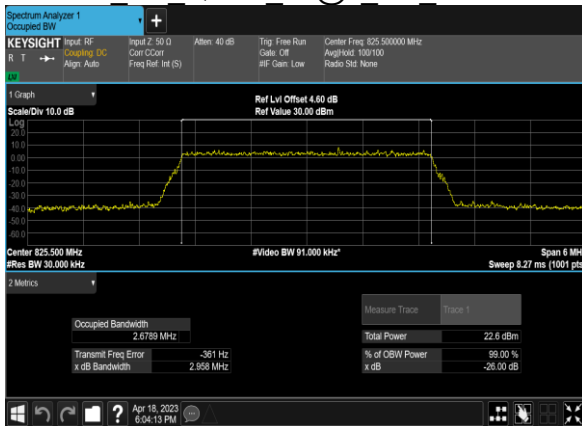
B5 5M QPSK 25@0 CH 20625



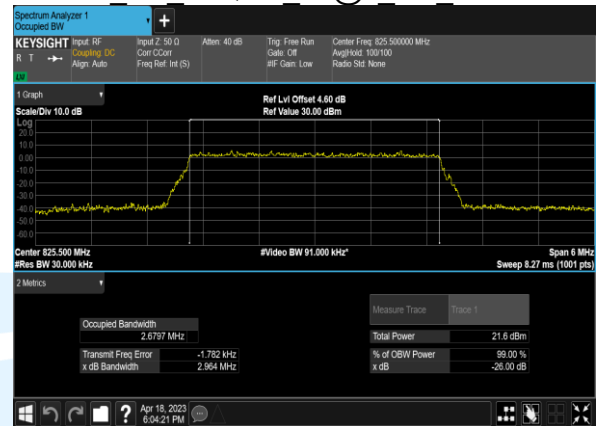
B5 5M 16QAM 25@0 CH 20625



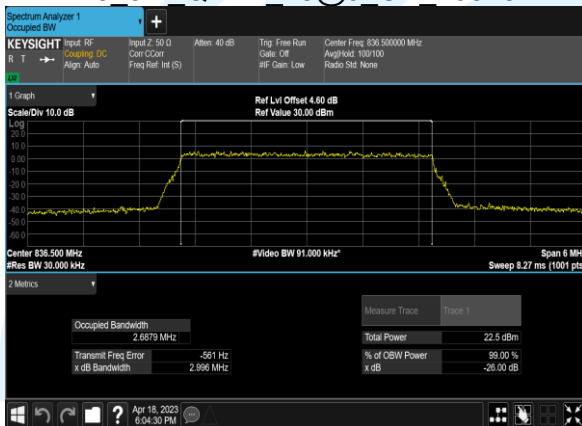
B5 3M QPSK 15@0 CH 20415



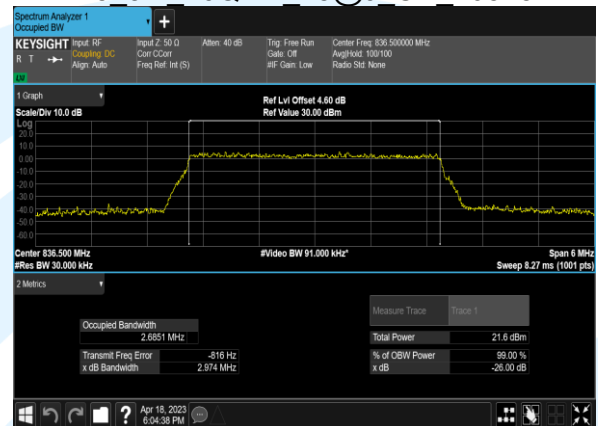
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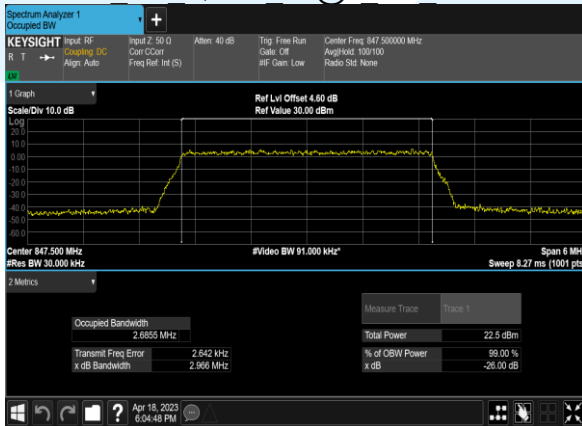
B5 3M QPSK 15@0 CH 20525



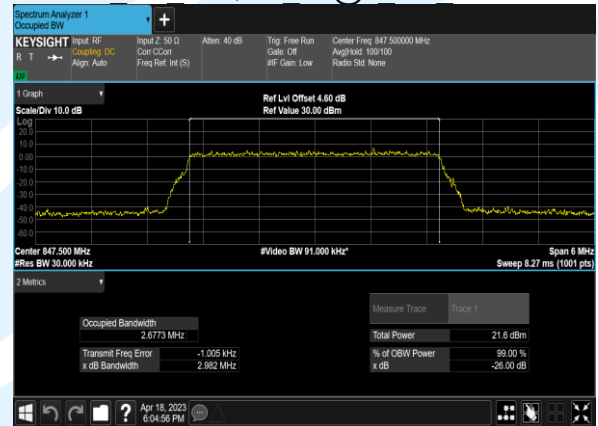
B5 3M 16QAM 15@0 CH 20525



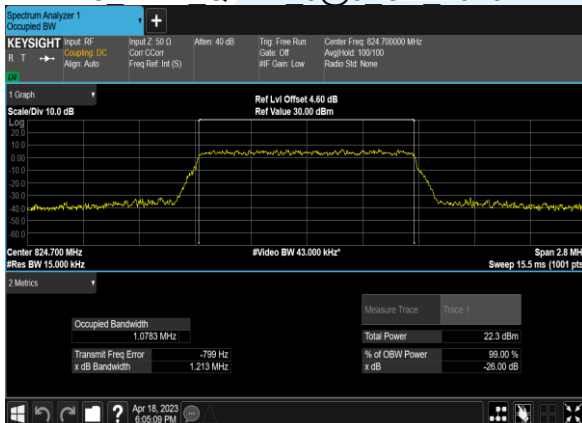
B5 3M QPSK 15@0 CH 20635



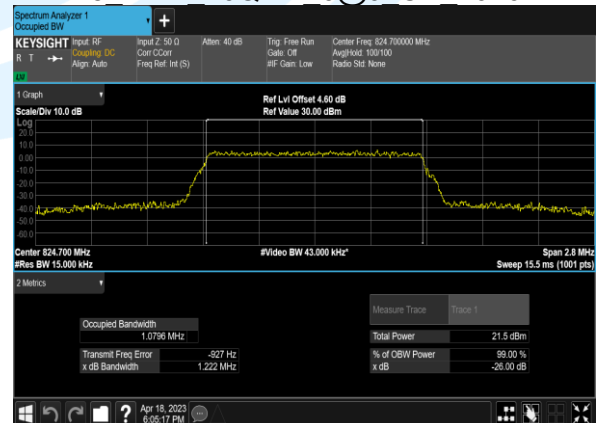
B5 3M 16QAM 15@0 CH 20635



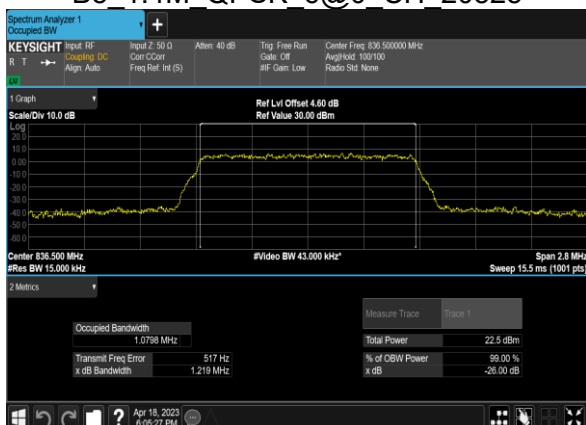
B5 1.4M QPSK 6@0 CH 20407



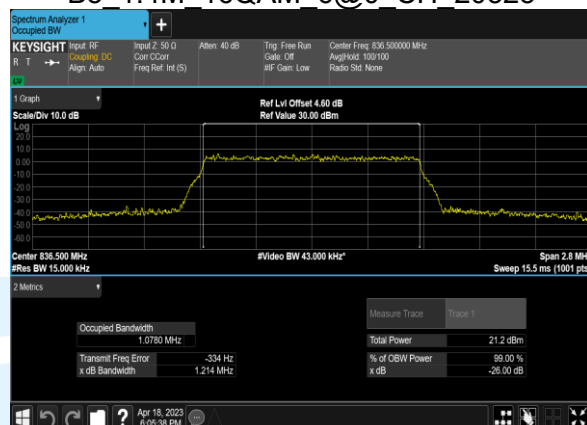
B5 1.4M 16QAM 6@0 CH 20407



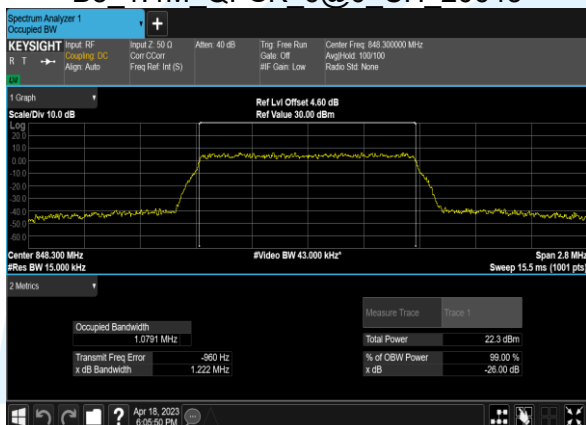
B5 1.4M QPSK 6@0 CH 20525



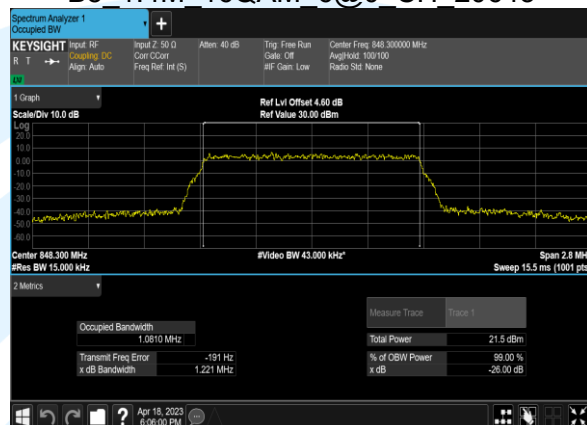
B5 1.4M 16QAM 6@0 CH 20525



B5 1.4M QPSK 6@0 CH 20643



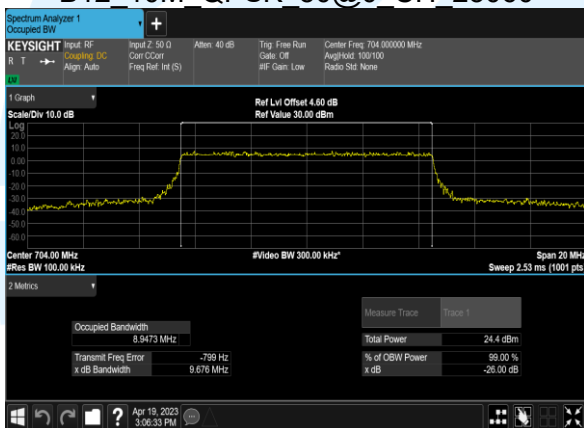
B5 1.4M 16QAM 6@0 CH 20643



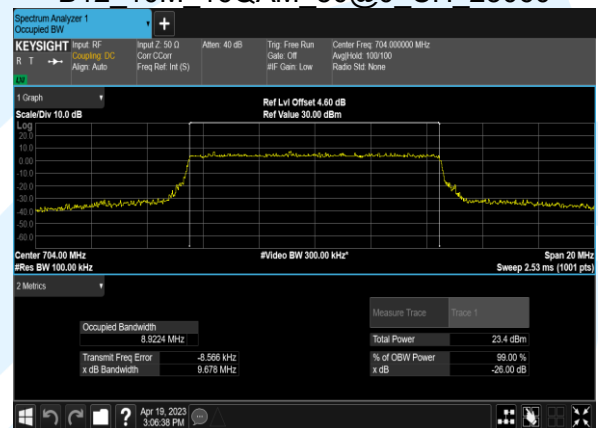
5.5.4 LTE Band 12

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
12	10.0	23060	704.0	QPSK	50@0	8.9473	9.676
12	10.0	23060	704.0	16QAM	50@0	8.9224	9.678
12	10.0	23095	707.5	QPSK	50@0	8.9642	9.942
12	10.0	23095	707.5	16QAM	50@0	8.9511	9.827
12	10.0	23130	711.0	QPSK	50@0	8.9347	9.738
12	10.0	23130	711.0	16QAM	50@0	8.9366	9.751
12	5.0	23035	701.5	QPSK	25@0	4.4672	4.952
12	5.0	23035	701.5	16QAM	25@0	4.4683	5.021
12	5.0	23095	707.5	QPSK	25@0	4.4658	5.008
12	5.0	23095	707.5	16QAM	25@0	4.4623	4.940
12	5.0	23155	713.5	QPSK	25@0	4.4617	4.935
12	5.0	23155	713.5	16QAM	25@0	4.4770	5.043
12	3.0	23025	700.5	QPSK	15@0	2.6786	2.842
12	3.0	23025	700.5	16QAM	15@0	2.6748	2.838
12	3.0	23095	707.5	QPSK	15@0	2.6730	2.850
12	3.0	23095	707.5	16QAM	15@0	2.6778	2.852
12	3.0	23165	714.5	QPSK	15@0	2.6756	2.858
12	3.0	23165	714.5	16QAM	15@0	2.6690	2.843
12	1.4	23017	699.7	QPSK	6@0	1.0801	1.242
12	1.4	23017	699.7	16QAM	6@0	1.0763	1.240
12	1.4	23095	707.5	QPSK	6@0	1.0789	1.236
12	1.4	23095	707.5	16QAM	6@0	1.0808	1.246
12	1.4	23173	715.3	QPSK	6@0	1.0795	1.226
12	1.4	23173	715.3	16QAM	6@0	1.0766	1.201

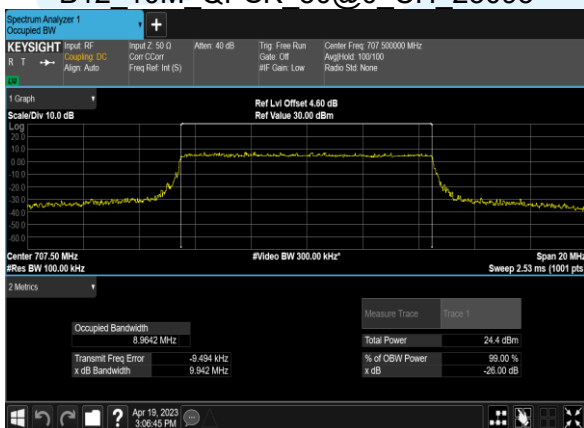
B12_10M QPSK 50@0 CH 23060



B12_10M 16QAM 50@0 CH 23060



B12_10M QPSK 50@0 CH 23095



B12_10M 16QAM 50@0 CH 23095

