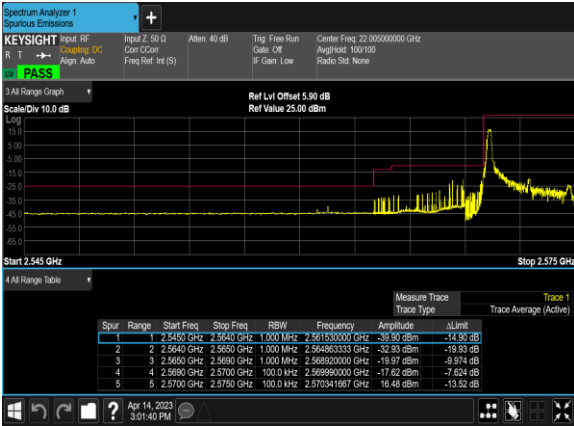
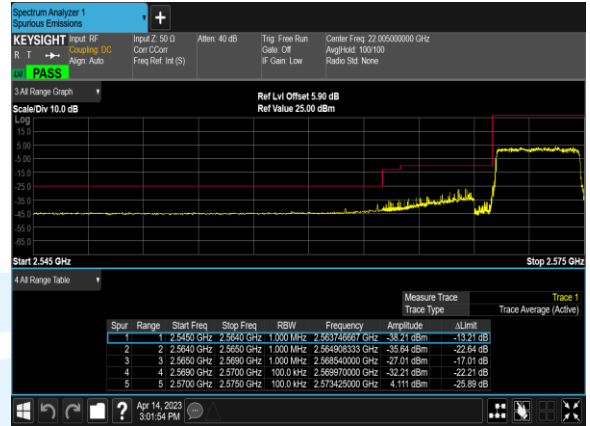


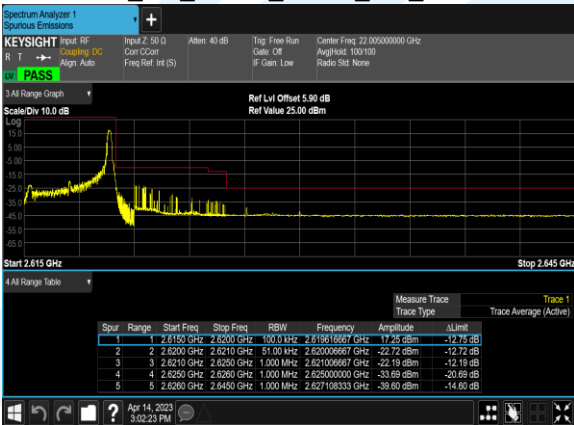
B38_5M_16QAM_1@0_CH_37775



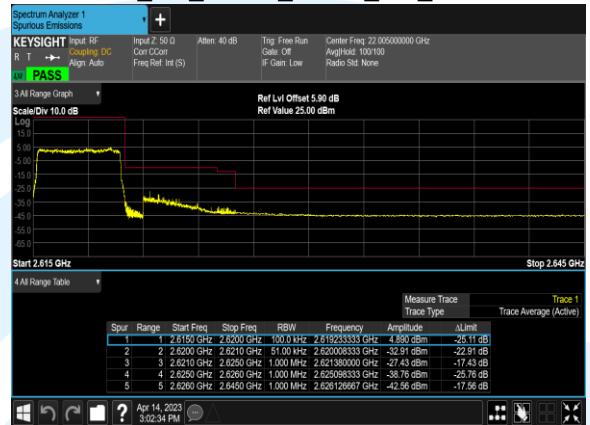
B38_5M_16QAM_25@0_CH_37775



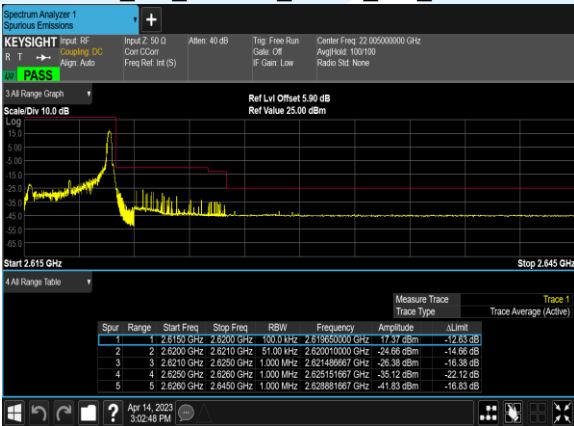
B38_5M_QPSK_1@24_CH_38225



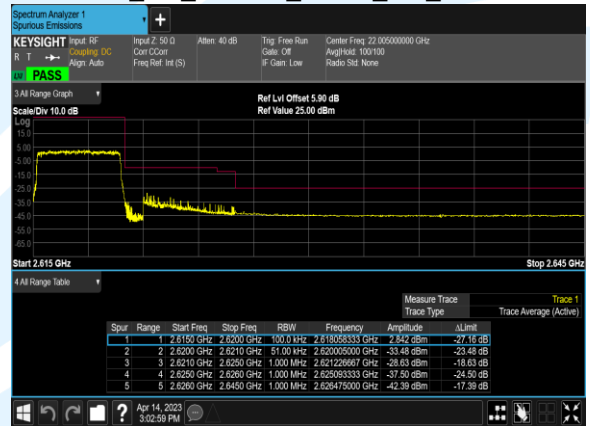
B38_5M_QPSK_25@0_CH_38225



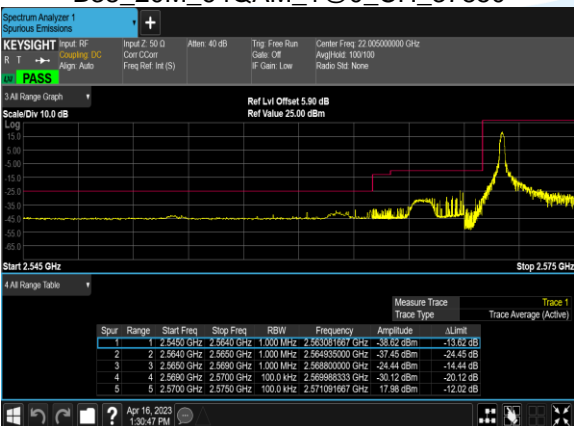
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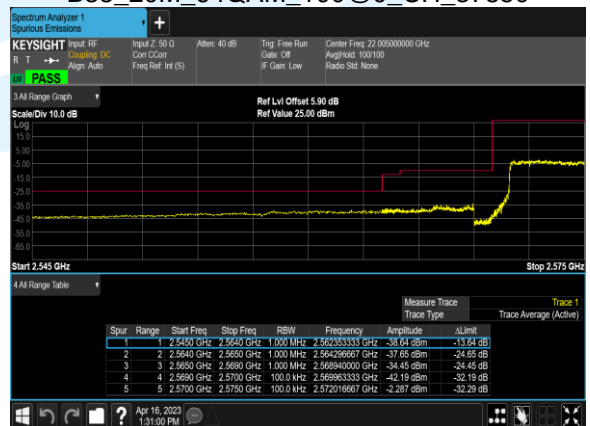
B38_5M_16QAM_25@0_CH_38225



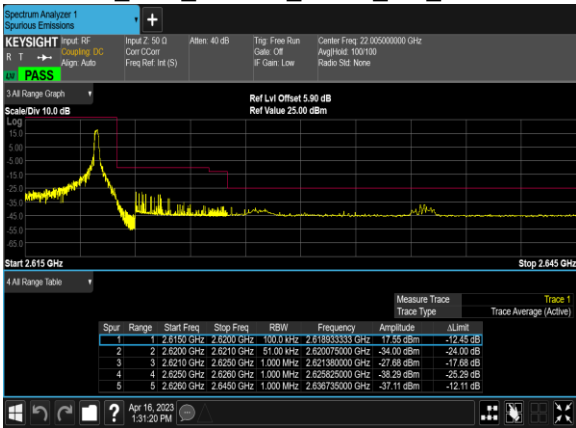
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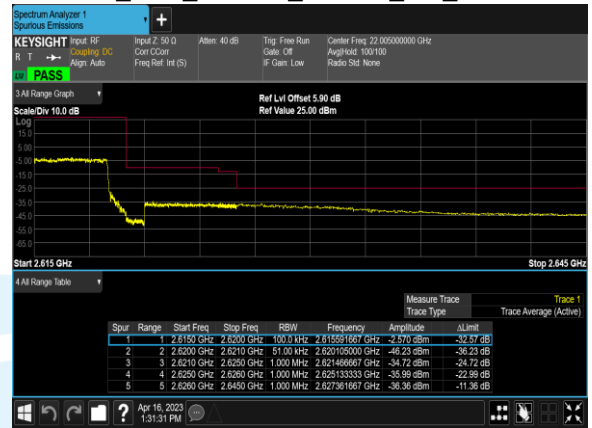
B38_20M_64QAM_100@0_CH_37850



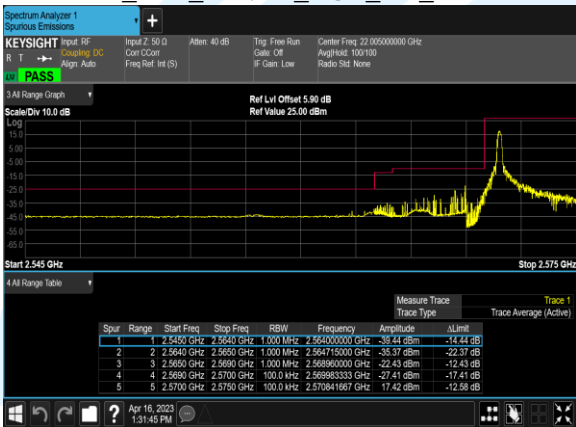
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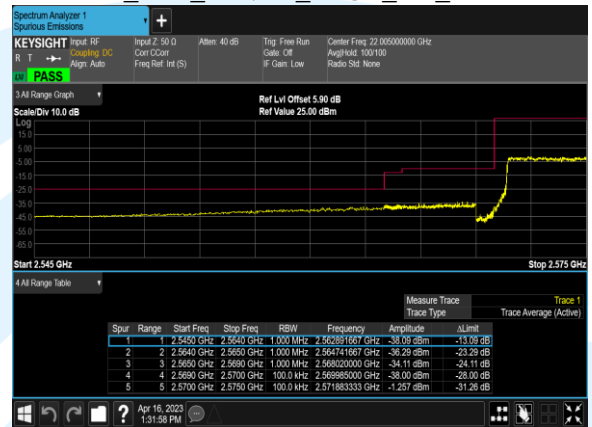
B38_20M_64QAM_100@0_CH_38150



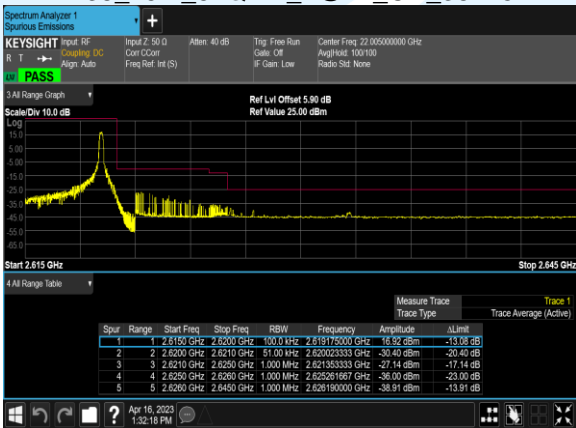
B38_15M_64QAM_1@0_CH_37825



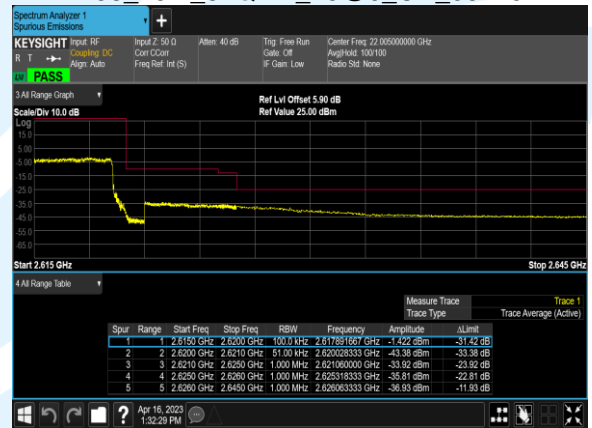
B38_15M_64QAM_75@0_CH_37825



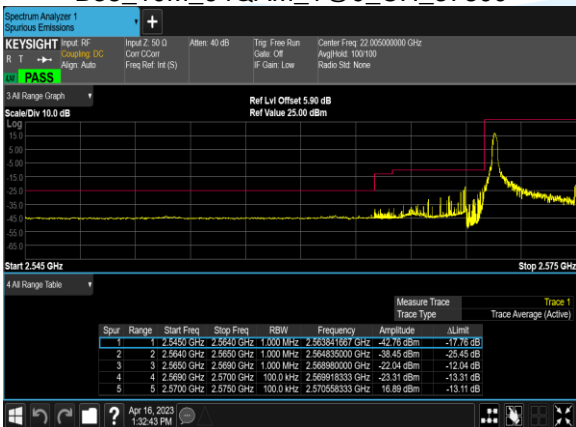
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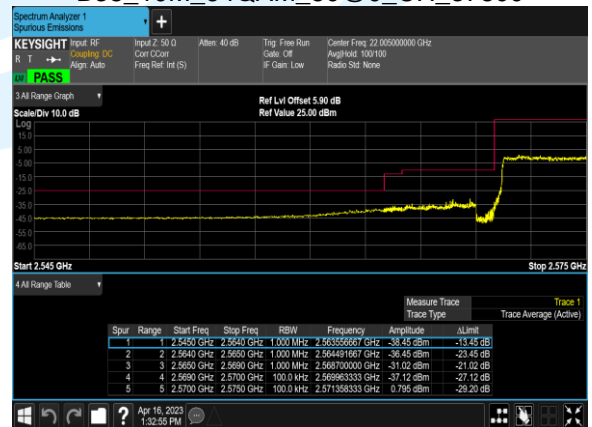
B38_15M_64QAM_75@0_CH_38175



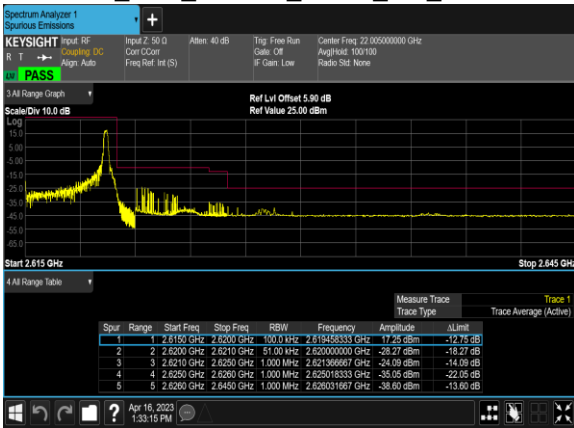
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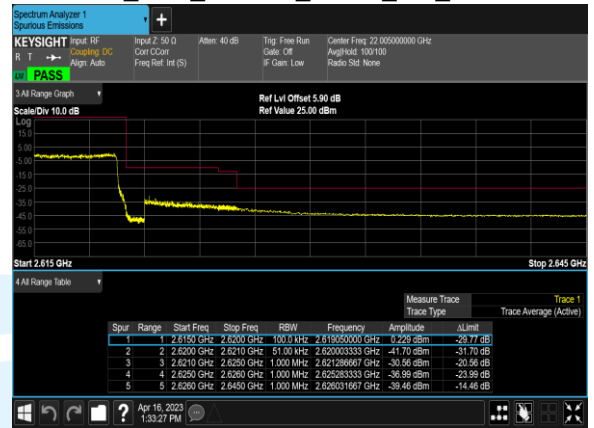
B38_10M_64QAM_50@0_CH_37800



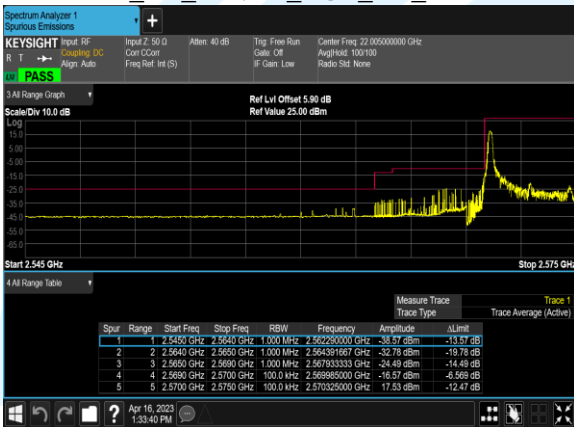
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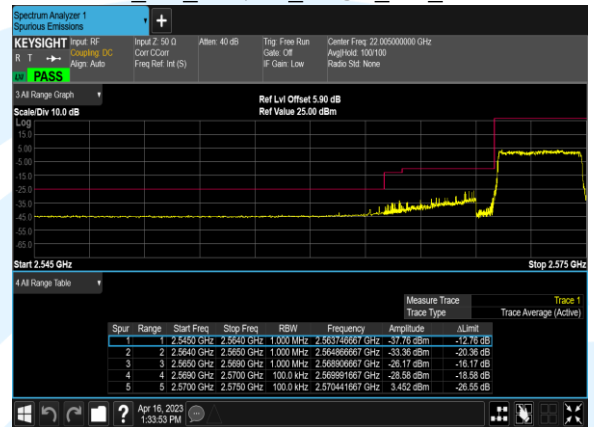
B38_10M_64QAM_50@0_CH_38200



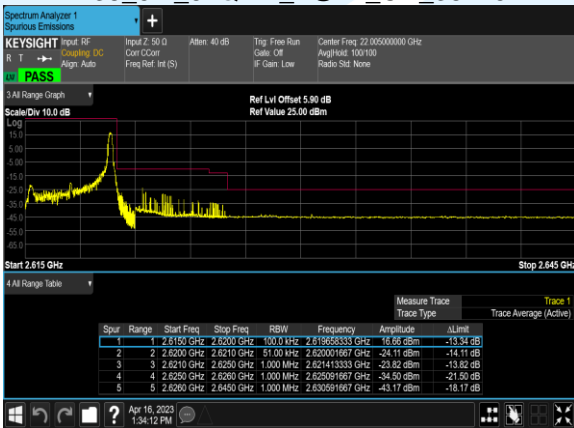
B38_5M_64QAM_1@0_CH_37775



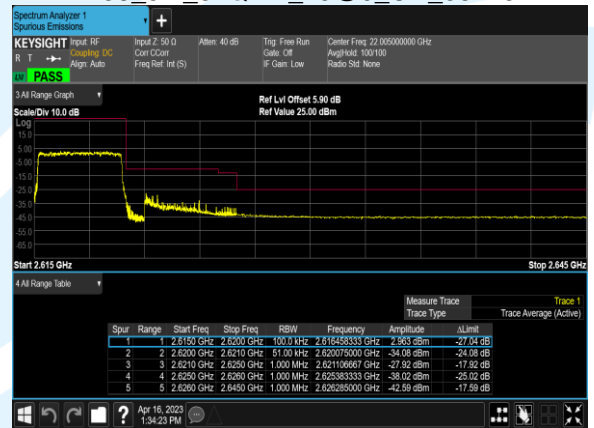
B38_5M_64QAM_25@0_CH_37775



B38_5M_64QAM_1@24_CH_38225



B38_5M_64QAM_25@0_CH_38225



A.1 LTE BAND 66

Peak to Average Ratio

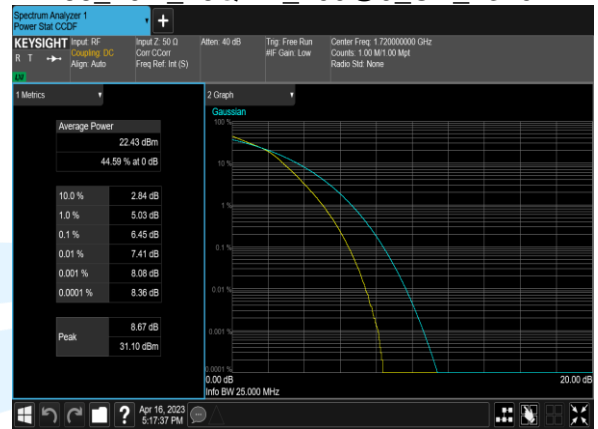
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	20.0	132072	1720.0	QPSK	100@0	5.79	13	PASS
66	20.0	132072	1720.0	16QAM	100@0	6.45	13	PASS
66	20.0	132322	1745.0	QPSK	100@0	5.58	13	PASS
66	20.0	132322	1745.0	16QAM	100@0	6.20	13	PASS
66	20.0	132572	1770.0	QPSK	100@0	5.69	13	PASS
66	20.0	132572	1770.0	16QAM	100@0	6.31	13	PASS
66	15.0	132047	1717.5	QPSK	75@0	5.49	13	PASS
66	15.0	132047	1717.5	16QAM	75@0	6.25	13	PASS
66	15.0	132322	1745.0	QPSK	75@0	5.33	13	PASS
66	15.0	132322	1745.0	16QAM	75@0	6.06	13	PASS
66	15.0	132597	1772.5	QPSK	75@0	5.40	13	PASS
66	15.0	132597	1772.5	16QAM	75@0	6.12	13	PASS
66	10.0	132022	1715.0	QPSK	50@0	5.71	13	PASS
66	10.0	132022	1715.0	16QAM	50@0	6.38	13	PASS
66	10.0	132322	1745.0	QPSK	50@0	5.49	13	PASS
66	10.0	132322	1745.0	16QAM	50@0	6.19	13	PASS
66	10.0	132622	1775.0	QPSK	50@0	5.53	13	PASS
66	10.0	132622	1775.0	16QAM	50@0	6.26	13	PASS
66	5.0	131997	1712.5	QPSK	25@0	5.67	13	PASS
66	5.0	131997	1712.5	16QAM	25@0	6.34	13	PASS
66	5.0	132322	1745.0	QPSK	25@0	5.45	13	PASS
66	5.0	132322	1745.0	16QAM	25@0	6.10	13	PASS
66	5.0	132647	1777.5	QPSK	25@0	5.49	13	PASS
66	5.0	132647	1777.5	16QAM	25@0	6.14	13	PASS
66	3.0	131987	1711.5	QPSK	15@0	5.67	13	PASS
66	3.0	131987	1711.5	16QAM	15@0	6.43	13	PASS
66	3.0	132322	1745.0	QPSK	15@0	5.40	13	PASS
66	3.0	132322	1745.0	16QAM	15@0	6.18	13	PASS
66	3.0	132657	1778.5	QPSK	15@0	5.53	13	PASS
66	3.0	132657	1778.5	16QAM	15@0	6.24	13	PASS
66	1.4	131979	1710.7	QPSK	6@0	5.65	13	PASS
66	1.4	131979	1710.7	16QAM	6@0	6.32	13	PASS
66	1.4	132322	1745.0	QPSK	6@0	5.42	13	PASS
66	1.4	132322	1745.0	16QAM	6@0	6.17	13	PASS
66	1.4	132665	1779.3	QPSK	6@0	5.44	13	PASS
66	1.4	132665	1779.3	16QAM	6@0	6.15	13	PASS
66	20.0	132072	1720.0	64QAM	100@0	6.48	13	PASS
66	20.0	132322	1745.0	64QAM	100@0	6.20	13	PASS
66	20.0	132572	1770.0	64QAM	100@0	6.31	13	PASS
66	15.0	132047	1717.5	64QAM	75@0	6.25	13	PASS
66	15.0	132322	1745.0	64QAM	75@0	6.04	13	PASS
66	15.0	132597	1772.5	64QAM	75@0	6.08	13	PASS
66	10.0	132022	1715.0	64QAM	50@0	6.40	13	PASS
66	10.0	132322	1745.0	64QAM	50@0	6.20	13	PASS
66	10.0	132622	1775.0	64QAM	50@0	6.27	13	PASS
66	5.0	131997	1712.5	64QAM	25@0	6.33	13	PASS
66	5.0	132322	1745.0	64QAM	25@0	6.09	13	PASS
66	5.0	132647	1777.5	64QAM	25@0	6.14	13	PASS
66	3.0	131987	1711.5	64QAM	15@0	6.42	13	PASS
66	3.0	132322	1745.0	64QAM	15@0	6.16	13	PASS
66	3.0	132657	1778.5	64QAM	15@0	6.26	13	PASS
66	1.4	131979	1710.7	64QAM	6@0	6.39	13	PASS
66	1.4	132322	1745.0	64QAM	6@0	6.20	13	PASS
66	1.4	132665	1779.3	64QAM	6@0	6.15	13	PASS

Test Graphs

B66_20M_QPSK_100@0_CH_132072



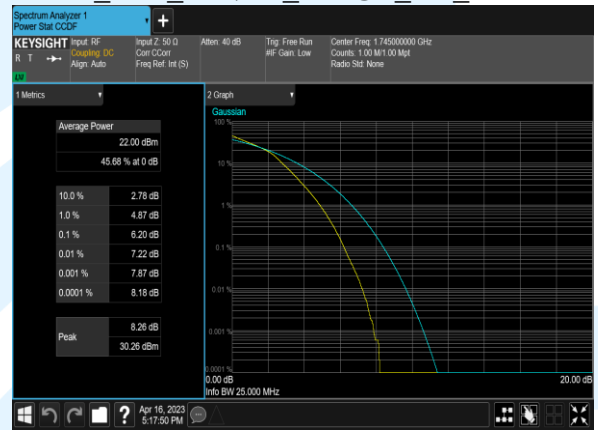
B66_20M_16QAM_100@0_CH_132072



B66_20M_QPSK_100@0_CH_132322



B66_20M_16QAM_100@0_CH_132322



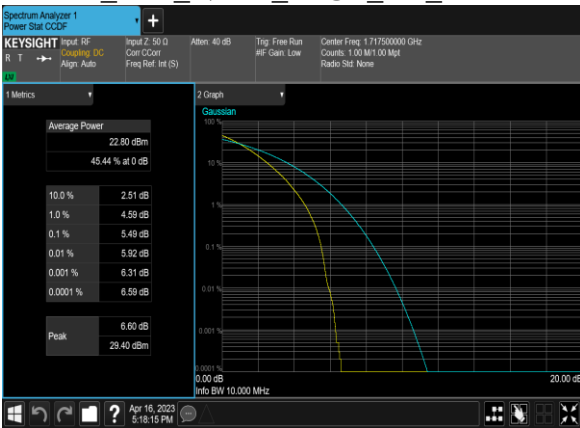
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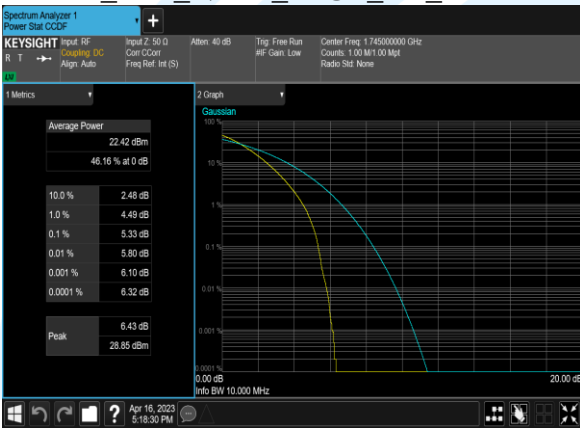
B66_15M_QPSK_75@0_CH_132047



B66_15M_16QAM_75@0_CH_132047



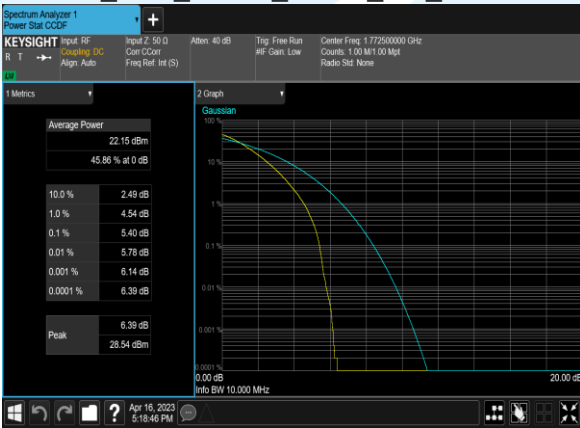
B66_15M_QPSK_75@0_CH_132322



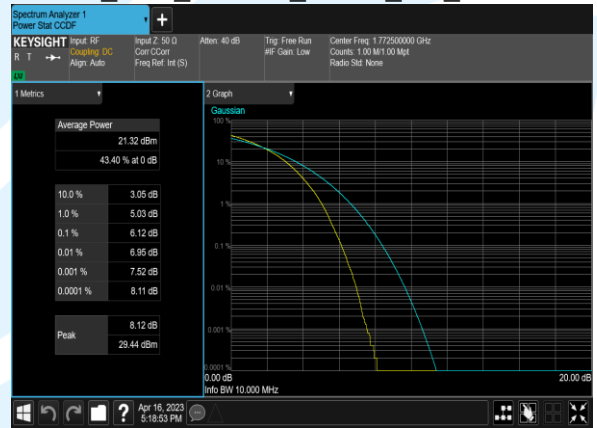
B66_15M_16QAM_75@0_CH_132322



B66_15M_QPSK_75@0_CH_132597



B66_15M_16QAM_75@0_CH_132597



B66_10M_QPSK_50@0_CH_132022



B66_10M_16QAM_50@0_CH_132022



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Tel: +86-755-28230888

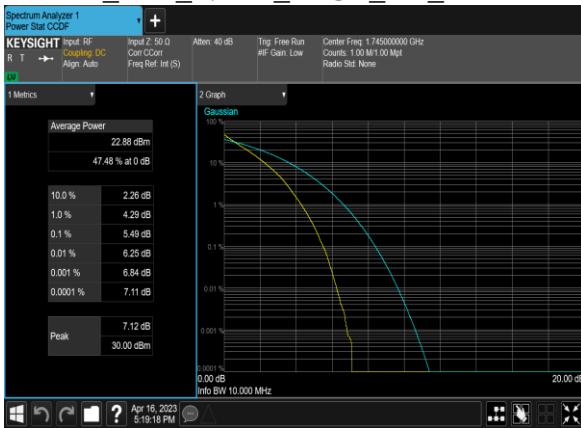
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B66_10M_QPSK_50@0_CH_132322



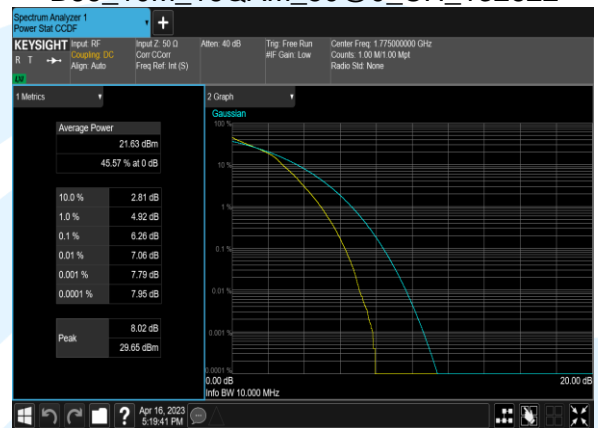
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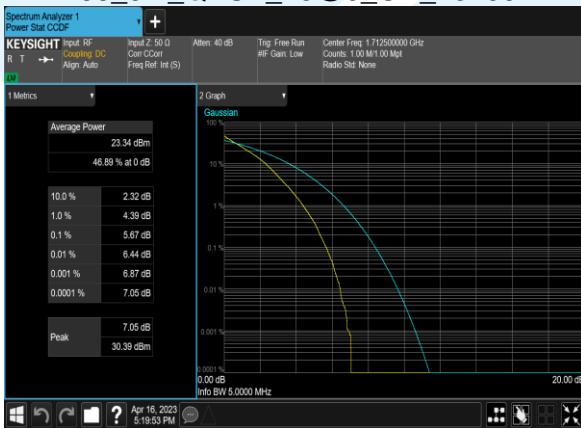
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B66_10M_16QAM_50@0_CH_132622



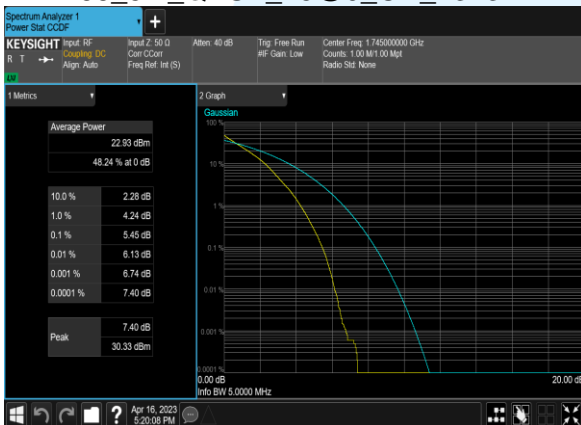
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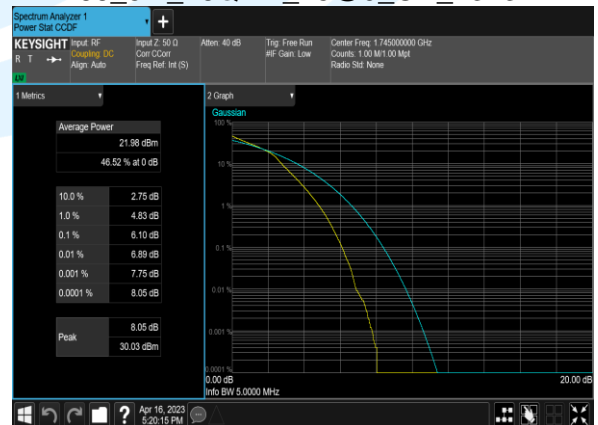
B66_5M_16QAM_25@0_CH_131997



B66_5M_QPSK_25@0_CH_132322



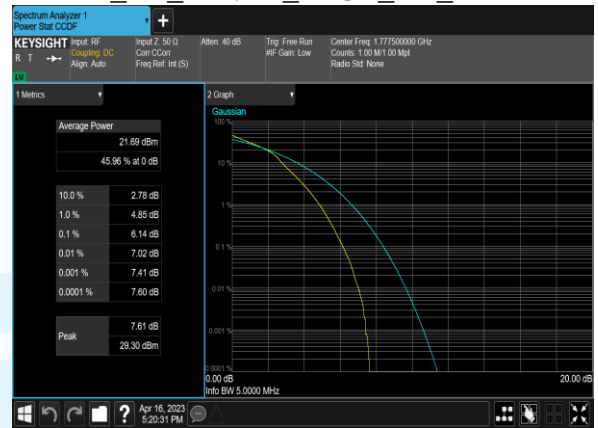
B66_5M_16QAM_25@0_CH_132322



B66_5M_QPSK_25@0_CH_132647



B66_5M_16QAM_25@0_CH_132647



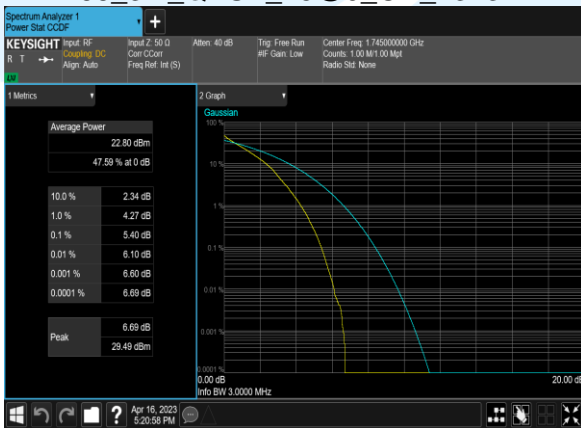
B66_3M_QPSK_15@0_CH_131987



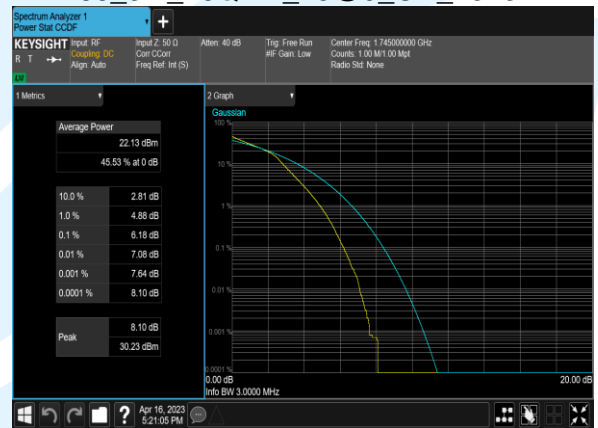
B66_3M_16QAM_15@0_CH_131987



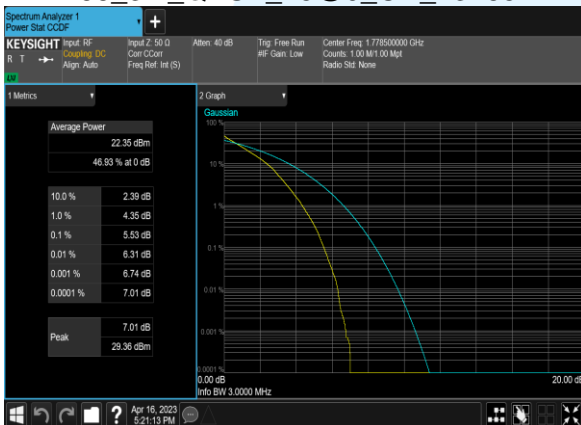
B66_3M_QPSK_15@0_CH_132322



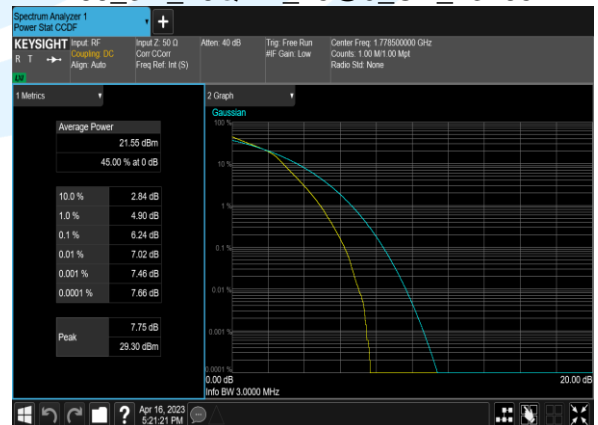
B66_3M_16QAM_15@0_CH_132322



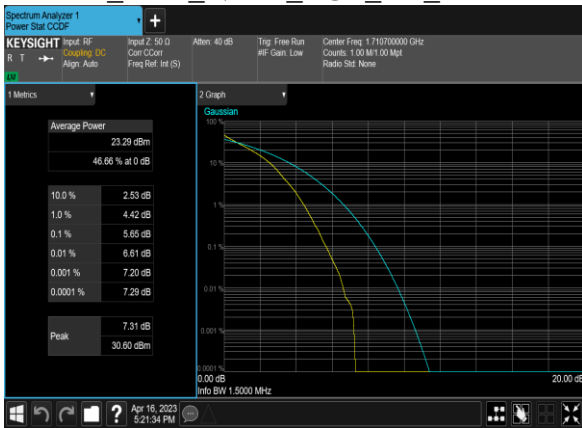
B66_3M_QPSK_15@0_CH_132657



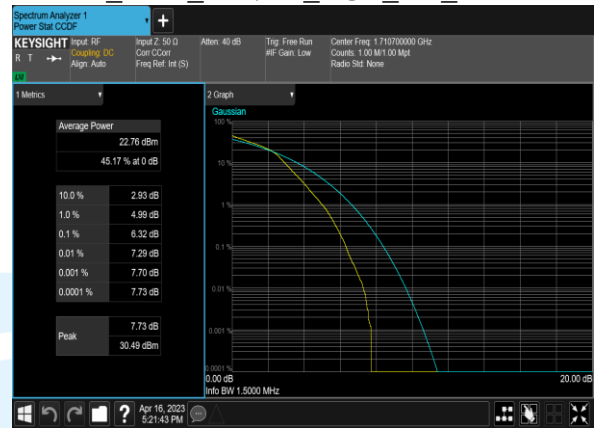
B66_3M_16QAM_15@0_CH_132657



B66_1.4M_QPSK_6@0_CH_131979



B66_1.4M_16QAM_6@0_CH_131979



B66_1.4M_QPSK_6@0_CH_132322



B66_1.4M_16QAM_6@0_CH_132322



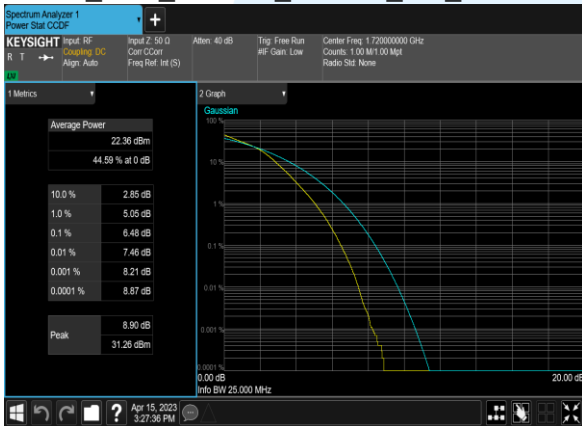
B66_1.4M_QPSK_6@0_CH_132665



B66_1.4M_16QAM_6@0_CH_132665



B66_20M_64QAM_100@0_CH_132072



B66_20M_64QAM_100@0_CH_132322



B66_20M_64QAM_100@0_CH_132572



B66_15M_64QAM_75@0_CH_132047



B66_15M_64QAM_75@0_CH_132322



B66_15M_64QAM_75@0_CH_132597



B66_10M_64QAM_50@0_CH_132022



B66_10M_64QAM_50@0_CH_132322



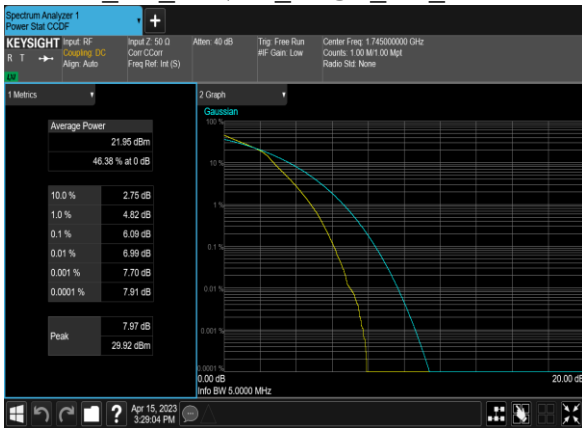
B66_10M_64QAM_50@0_CH_132622



B66_5M_64QAM_25@0_CH_131997



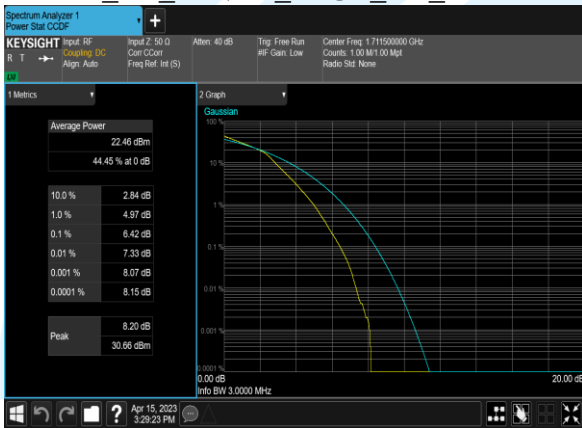
B66_5M_64QAM_25@0_CH_132322



B66_5M_64QAM_25@0_CH_132647



B66_3M_64QAM_15@0_CH_131987



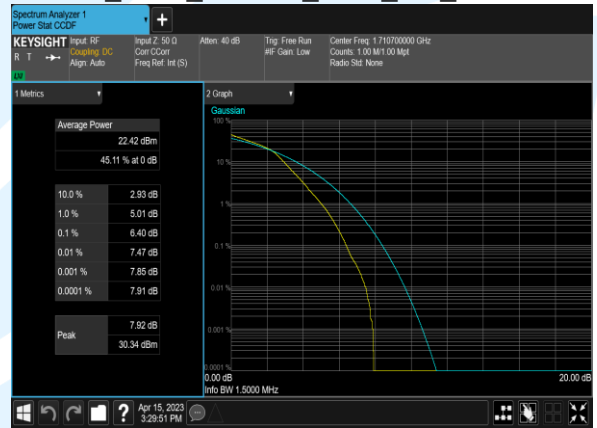
B66_3M_64QAM_15@0_CH_132322



B66_3M_64QAM_15@0_CH_132657



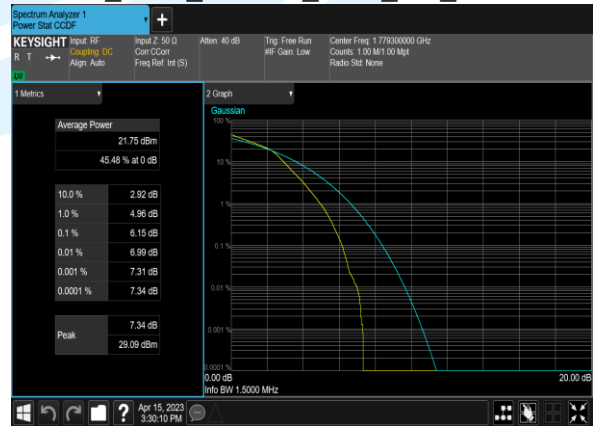
B66_1.4M_64QAM_6@0_CH_131979



B66_1.4M_64QAM_6@0_CH_132322



B66_1.4M_64QAM_6@0_CH_132665



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<http://www.uttlab.com>

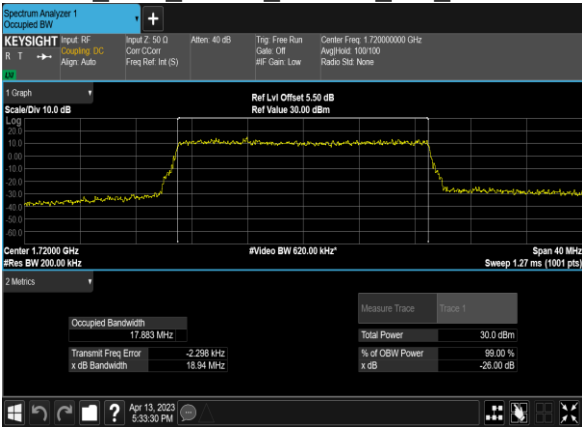
UTTR-RF-FCC4G-V1.1

Occupied Bandwidth

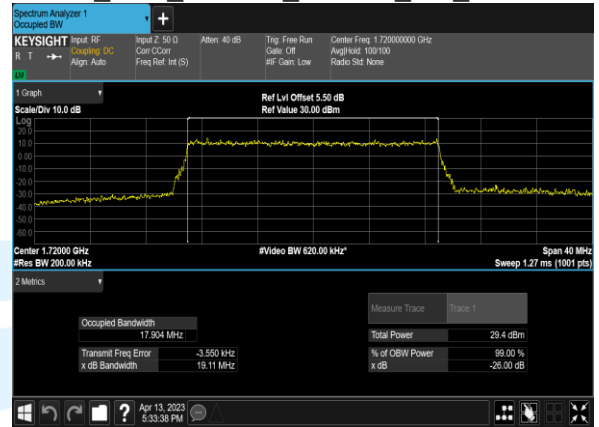
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	20.0	132072	1720.0	QPSK	100@0	17.883	18.94
66	20.0	132072	1720.0	16QAM	100@0	17.904	19.11
66	20.0	132322	1745.0	QPSK	100@0	17.854	19.21
66	20.0	132322	1745.0	16QAM	100@0	17.896	19.09
66	20.0	132572	1770.0	QPSK	100@0	17.875	19.23
66	20.0	132572	1770.0	16QAM	100@0	17.856	19.18
66	15.0	132047	1717.5	QPSK	75@0	13.449	14.52
66	15.0	132047	1717.5	16QAM	75@0	13.419	14.58
66	15.0	132322	1745.0	QPSK	75@0	13.388	14.40
66	15.0	132322	1745.0	16QAM	75@0	13.396	14.59
66	15.0	132597	1772.5	QPSK	75@0	13.408	14.73
66	15.0	132597	1772.5	16QAM	75@0	13.396	14.41
66	10.0	132022	1715.0	QPSK	50@0	8.9411	9.703
66	10.0	132022	1715.0	16QAM	50@0	8.9215	9.577
66	10.0	132322	1745.0	QPSK	50@0	8.9159	9.560
66	10.0	132322	1745.0	16QAM	50@0	8.9476	9.633
66	10.0	132622	1775.0	QPSK	50@0	8.9288	9.713
66	10.0	132622	1775.0	16QAM	50@0	8.9502	9.563
66	5.0	131997	1712.5	QPSK	25@0	4.4708	4.808
66	5.0	131997	1712.5	16QAM	25@0	4.4631	4.834
66	5.0	132322	1745.0	QPSK	25@0	4.4588	4.835
66	5.0	132322	1745.0	16QAM	25@0	4.4560	4.915
66	5.0	132647	1777.5	QPSK	25@0	4.4546	4.836
66	5.0	132647	1777.5	16QAM	25@0	4.4618	4.828
66	3.0	131987	1711.5	QPSK	15@0	2.6798	2.970
66	3.0	131987	1711.5	16QAM	15@0	2.6829	2.975
66	3.0	132322	1745.0	QPSK	15@0	2.6795	2.969
66	3.0	132322	1745.0	16QAM	15@0	2.6845	2.984
66	3.0	132657	1778.5	QPSK	15@0	2.6805	2.971
66	3.0	132657	1778.5	16QAM	15@0	2.6835	2.955
66	1.4	131979	1710.7	QPSK	6@0	1.0782	1.219
66	1.4	131979	1710.7	16QAM	6@0	1.0830	1.232
66	1.4	132322	1745.0	QPSK	6@0	1.0801	1.220
66	1.4	132322	1745.0	16QAM	6@0	1.0766	1.212
66	1.4	132665	1779.3	QPSK	6@0	1.0767	1.213
66	1.4	132665	1779.3	16QAM	6@0	1.0800	1.222
66	20.0	132072	1720.0	64QAM	100@0	17.886	19.01
66	20.0	132322	1745.0	64QAM	100@0	17.857	19.08
66	20.0	132572	1770.0	64QAM	100@0	17.876	19.09
66	15.0	132047	1717.5	64QAM	75@0	13.385	14.44
66	15.0	132322	1745.0	64QAM	75@0	13.405	14.46
66	15.0	132597	1772.5	64QAM	75@0	13.419	14.59
66	10.0	132022	1715.0	64QAM	50@0	8.9373	9.642
66	10.0	132322	1745.0	64QAM	50@0	8.9416	9.594
66	10.0	132622	1775.0	64QAM	50@0	8.9371	9.697
66	5.0	131997	1712.5	64QAM	25@0	4.4528	4.894
66	5.0	132322	1745.0	64QAM	25@0	4.4552	4.859
66	5.0	132647	1777.5	64QAM	25@0	4.4602	4.856
66	3.0	131987	1711.5	64QAM	15@0	2.6779	2.938
66	3.0	132322	1745.0	64QAM	15@0	2.6880	2.984
66	3.0	132657	1778.5	64QAM	15@0	2.6842	2.982
66	1.4	131979	1710.7	64QAM	6@0	1.0815	1.227
66	1.4	132322	1745.0	64QAM	6@0	1.0766	1.220
66	1.4	132665	1779.3	64QAM	6@0	1.0777	1.219

Test Graphs

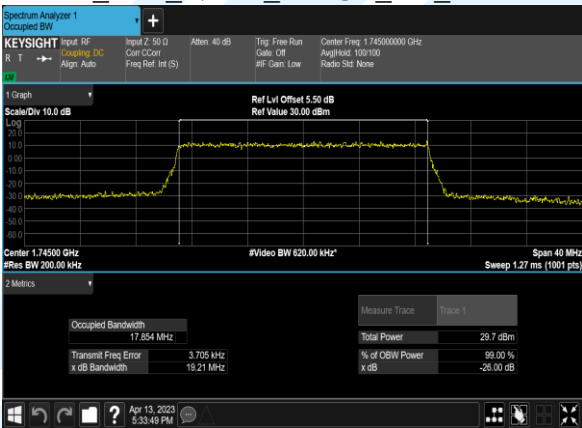
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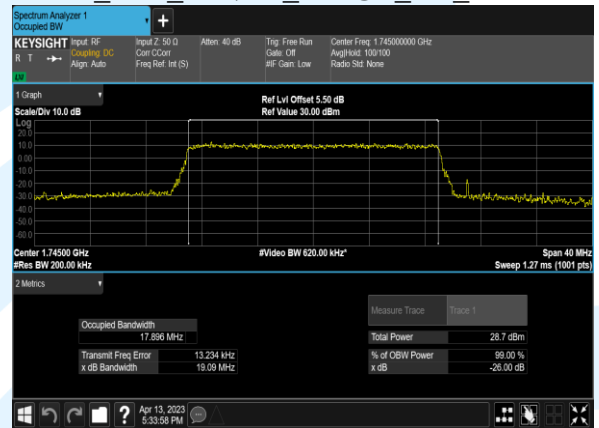
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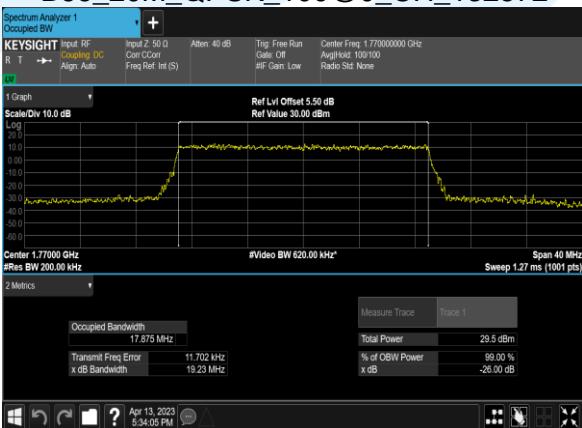
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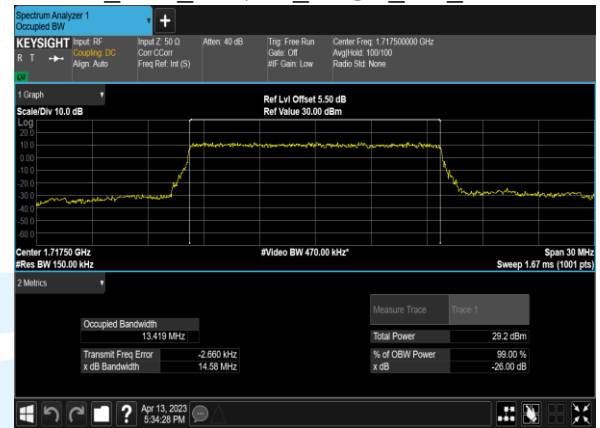
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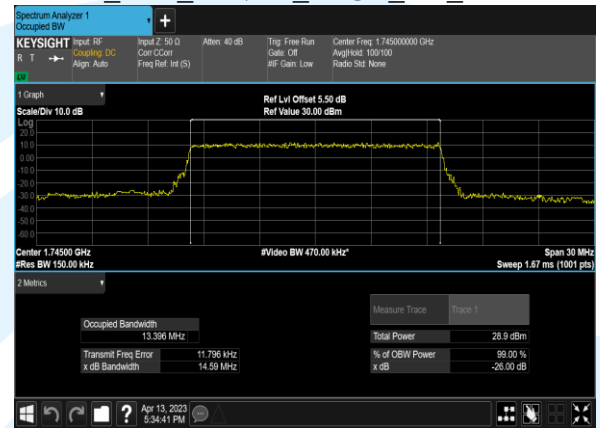
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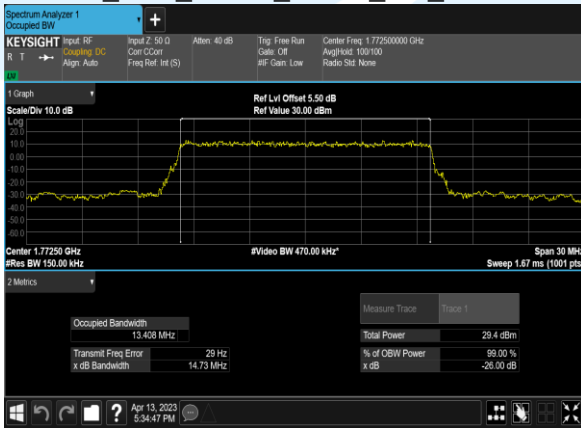
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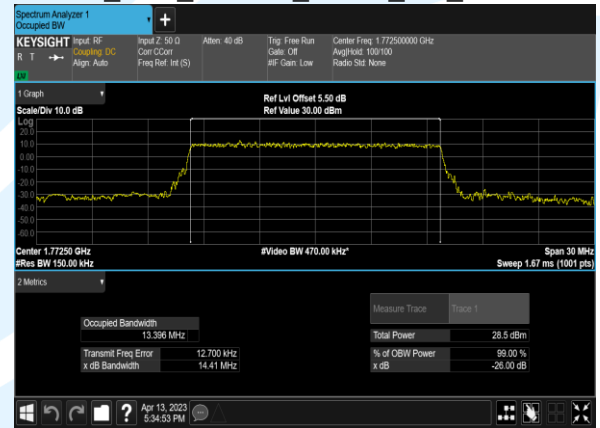
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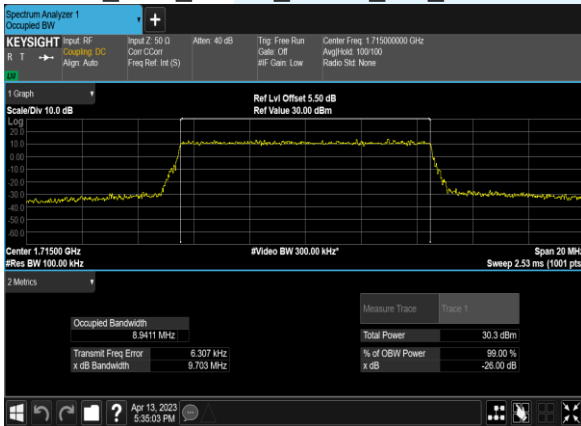
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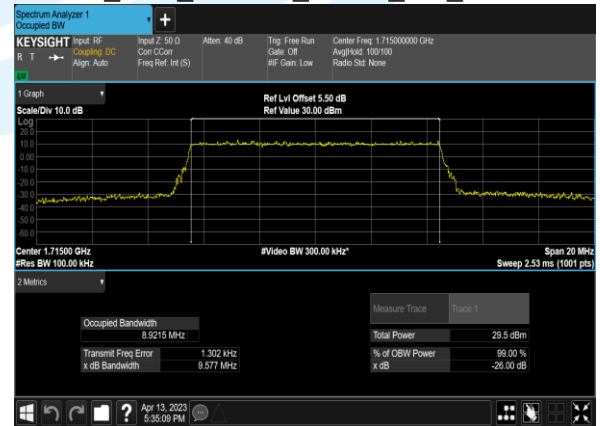
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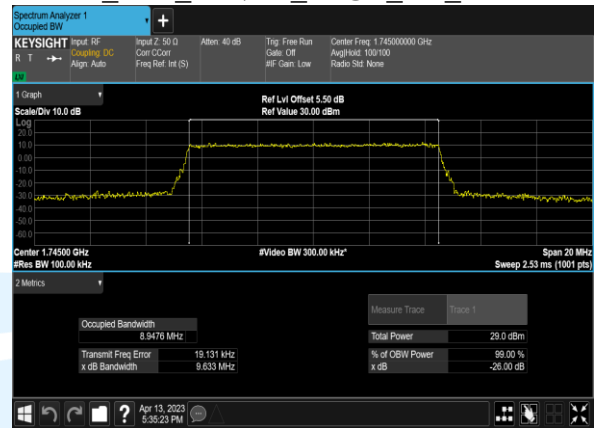
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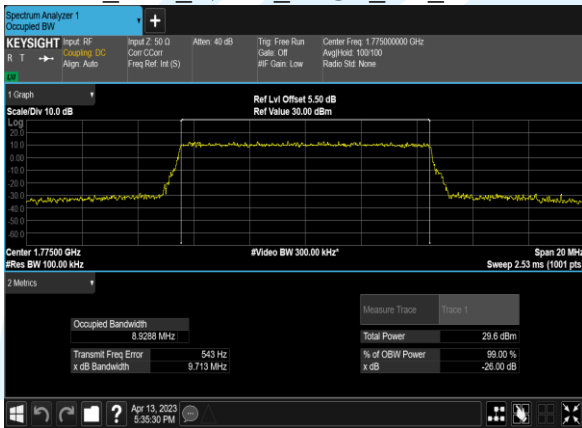
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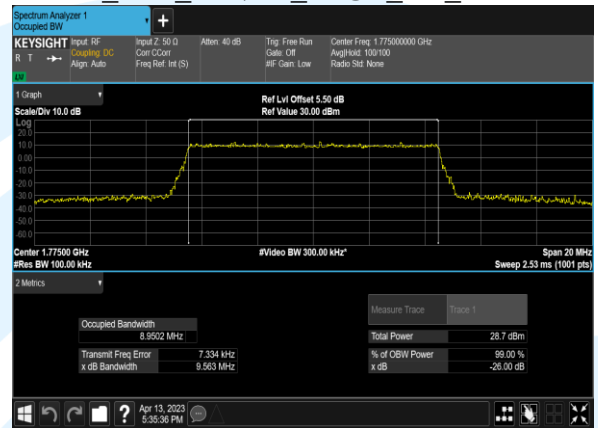
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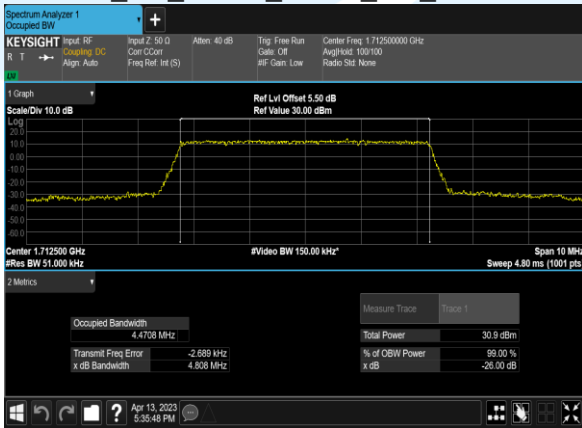
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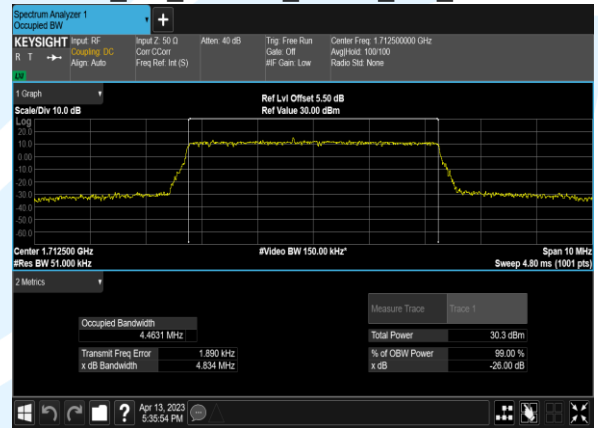
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