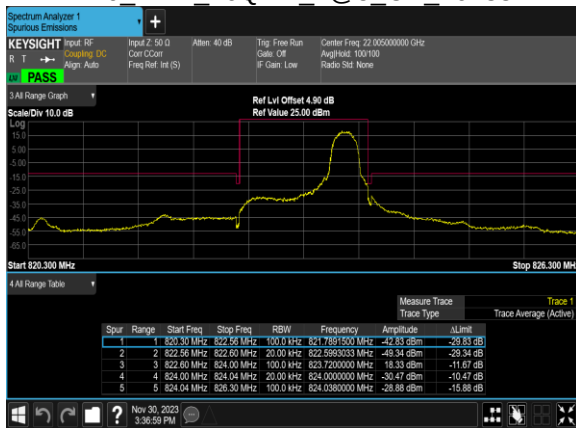
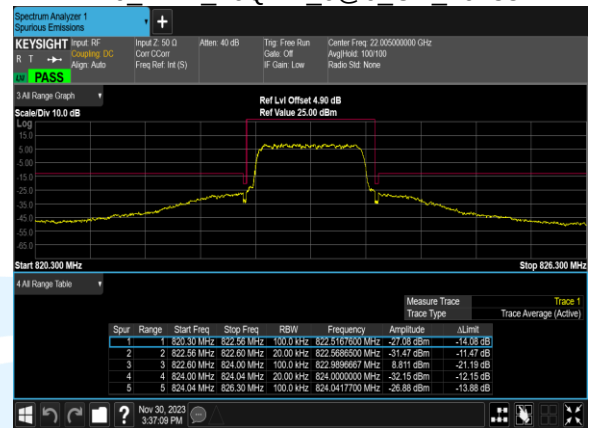


B26 1.4M 16QAM 1@5 CH 26783



B26 1.4M 16QAM 6@0 CH 26783



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A.11 LTE BAND 30

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
30	10.0	27710	2310.0	QPSK	50@0	5.10	13	PASS
30	10.0	27710	2310.0	16QAM	50@0	5.88	13	PASS
30	5.0	27685	2307.5	QPSK	25@0	5.00	13	PASS
30	5.0	27685	2307.5	16QAM	25@0	5.83	13	PASS
30	5.0	27710	2310.0	QPSK	25@0	5.09	13	PASS
30	5.0	27710	2310.0	16QAM	25@0	5.84	13	PASS
30	5.0	27735	2312.5	QPSK	25@0	5.02	13	PASS
30	5.0	27735	2312.5	16QAM	25@0	5.75	13	PASS

Test Graphs

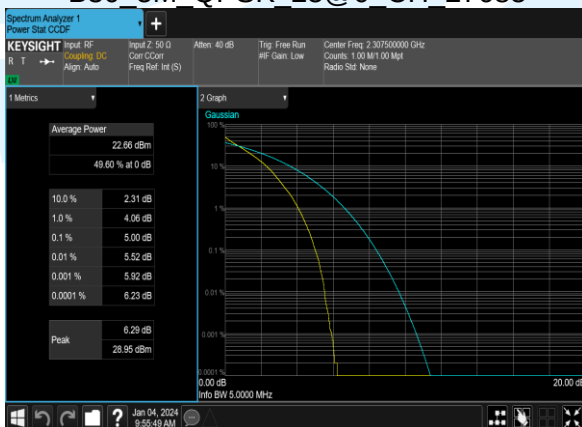
B30 10M QPSK 50@0 CH 27710



B30 10M 16QAM 50@0 CH 27710



B30 5M QPSK 25@0 CH 27685



B30 5M 16QAM 25@0 CH 27685



B30 5M QPSK 25@0 CH 27710



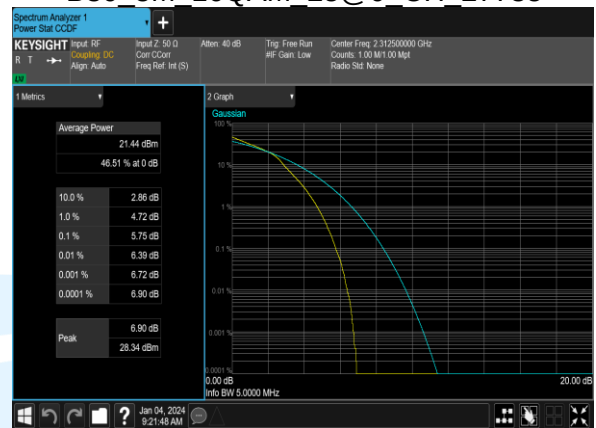
B30 5M 16QAM 25@0 CH 27710



B30 5M QPSK 25@0 CH 27735



B30 5M 16QAM 25@0 CH 27735

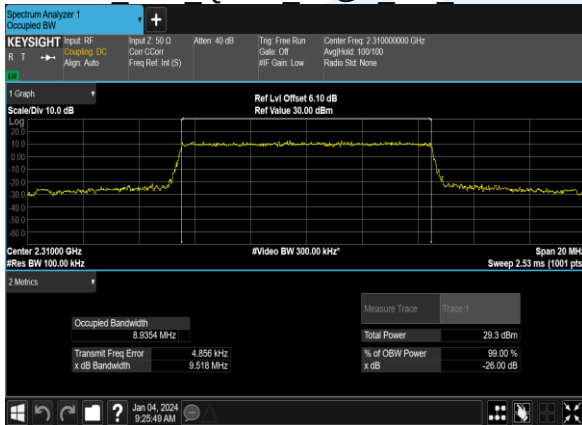


Occupied Bandwidth

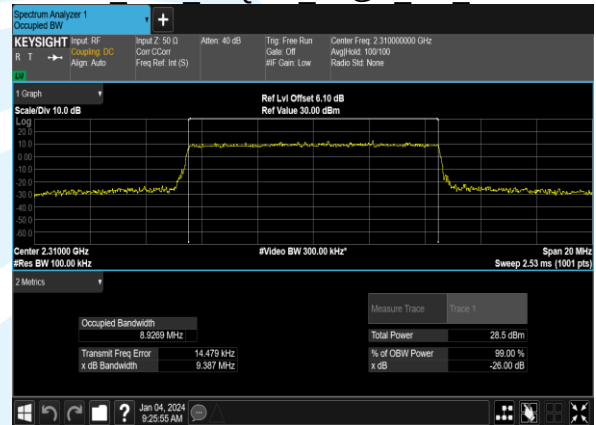
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
30	10.0	27710	2310.0	QPSK	50@0	8.9354	9.518
30	10.0	27710	2310.0	16QAM	50@0	8.9269	9.387
30	5.0	27685	2307.5	QPSK	25@0	4.4665	4.765
30	5.0	27685	2307.5	16QAM	25@0	4.4574	4.845
30	5.0	27710	2310.0	QPSK	25@0	4.4615	4.810
30	5.0	27710	2310.0	16QAM	25@0	4.4611	4.815
30	5.0	27735	2312.5	QPSK	25@0	4.4724	4.802
30	5.0	27735	2312.5	16QAM	25@0	4.4553	4.808

Test Graphs

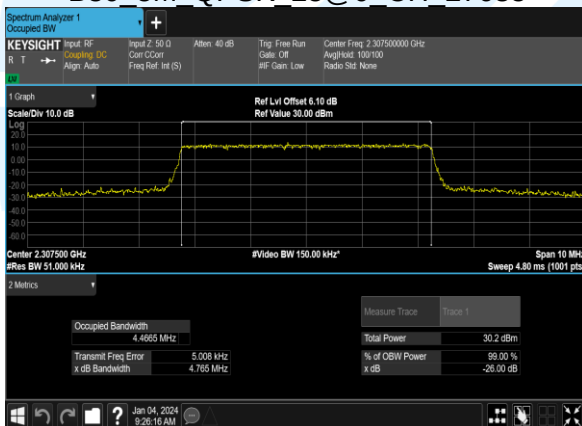
B30 10M QPSK 50@0 CH 27710



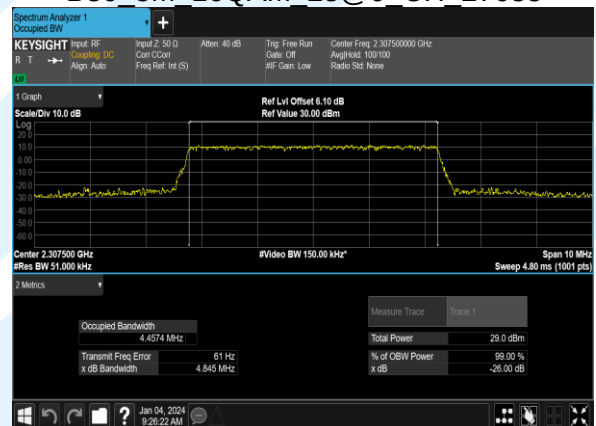
B30 10M 16QAM 50@0 CH 27710



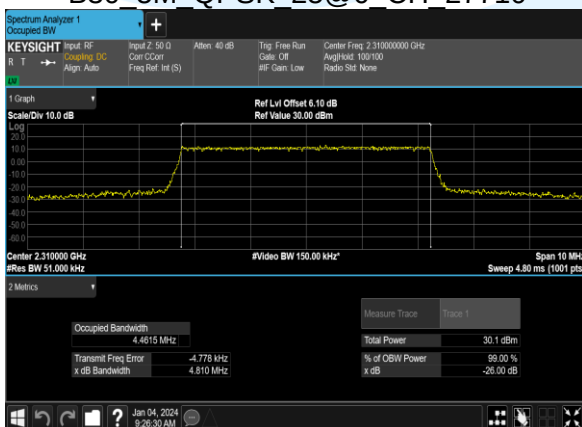
B30 5M QPSK 25@0 CH 27685



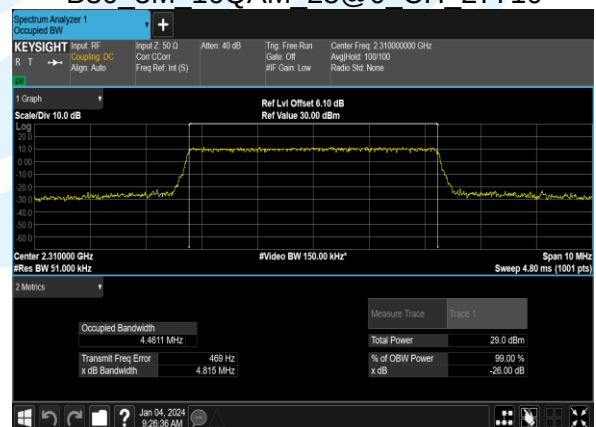
B30 5M 16QAM 25@0 CH 27685



B30 5M QPSK 25@0 CH 27710



B30 5M 16QAM 25@0 CH 27710



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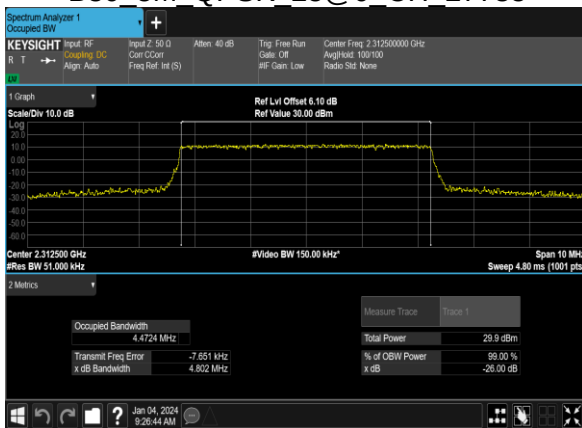
Fax: +86-755-28230886

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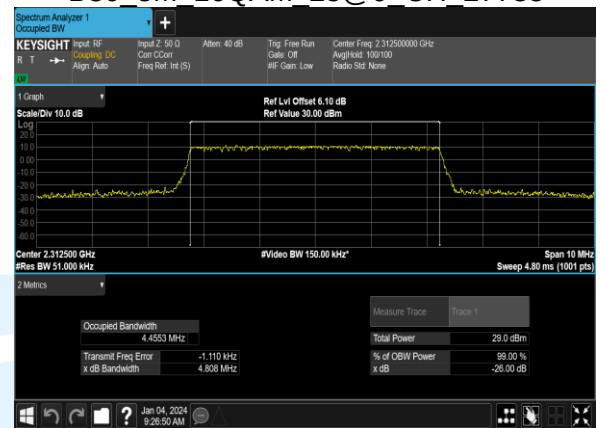
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B30 5M QPSK 25@0 CH 27735



B30 5M 16QAM 25@0 CH 27735



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Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
30	10.0	27710	2310.0	QPSK	1@0	-49.74	-48	PASS
30	10.0	27710	2310.0	16QAM	1@0	-48.44	-48	PASS
30	5.0	27685	2307.5	QPSK	1@0	-57.27	-48	PASS
30	5.0	27685	2307.5	16QAM	1@0	-53.54	-48	PASS
30	5.0	27710	2310.0	QPSK	1@0	-49.87	-48	PASS
30	5.0	27710	2310.0	16QAM	1@0	-53.23	-48	PASS
30	5.0	27735	2312.5	QPSK	1@0	-51.51	-48	PASS
30	5.0	27735	2312.5	16QAM	1@0	-52.79	-48	PASS

Test Graphs

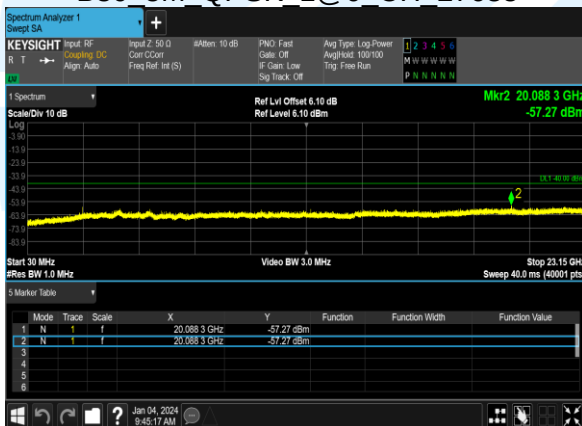
B30 10M QPSK 1@0 CH 27710



B30 10M 16QAM 1@0 CH 27710



B30 5M QPSK 1@0 CH 27685



B30 5M 16QAM 1@0 CH 27685



B30 5M QPSK 1@0 CH 27710



B30 5M 16QAM 1@0 CH 27710



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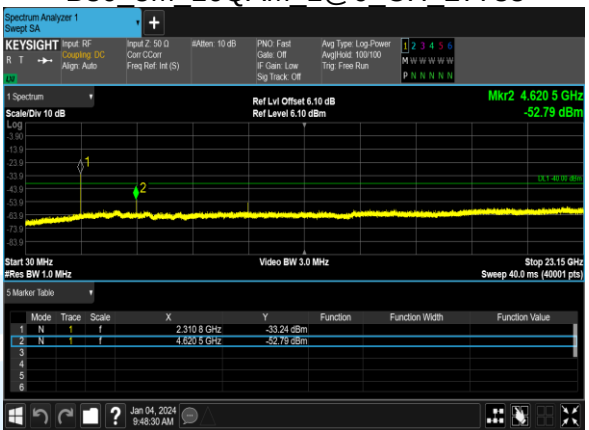
<http://www.uttlab.com>

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B30 5M QPSK 1@0 CH 27735



B30 5M 16QAM 1@0 CH 27735



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Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
30	10.0	27710	2310.0	QPSK	1@0	see graph	PASS
30	10.0	27710	2310.0	QPSK	1@49	see graph	PASS
30	10.0	27710	2310.0	QPSK	50@0_left	see graph	PASS
30	10.0	27710	2310.0	QPSK	50@0_right	see graph	PASS
30	10.0	27710	2310.0	16QAM	1@0	see graph	PASS
30	10.0	27710	2310.0	16QAM	1@49	see graph	PASS
30	10.0	27710	2310.0	16QAM	50@0_left	see graph	PASS
30	10.0	27710	2310.0	16QAM	50@0_right	see graph	PASS
30	5.0	27685	2307.5	QPSK	1@0	see graph	PASS
30	5.0	27685	2307.5	QPSK	25@0	see graph	PASS
30	5.0	27685	2307.5	16QAM	1@0	see graph	PASS
30	5.0	27685	2307.5	16QAM	25@0	see graph	PASS
30	5.0	27735	2312.5	QPSK	1@24	see graph	PASS
30	5.0	27735	2312.5	QPSK	25@0	see graph	PASS
30	5.0	27735	2312.5	16QAM	1@24	see graph	PASS
30	5.0	27735	2312.5	16QAM	25@0	see graph	PASS

Test Graphs

B30 10M QPSK 50@0 CH 23230 left



Date: 4.JAN.2024 03:27:14

B30 10M QPSK 50@0 CH 23230 right



Date: 4.JAN.2024 03:16:34

B30 10M QPSK 1@0 CH 23230



Date: 4.JAN.2024 03:23:57

B30 10M QPSK 1@49 CH 23230



Date: 4.JAN.2024 03:21:11

B30 10M 16QAM 50@0 CH 23230 left



Date: 4.JAN.2024 03:27:33

B30 10M 16QAM 50@0 CH 23230 right



Date: 4.JAN.2024 03:16:58

B30 10M 16QAM 1@0 CH 23230



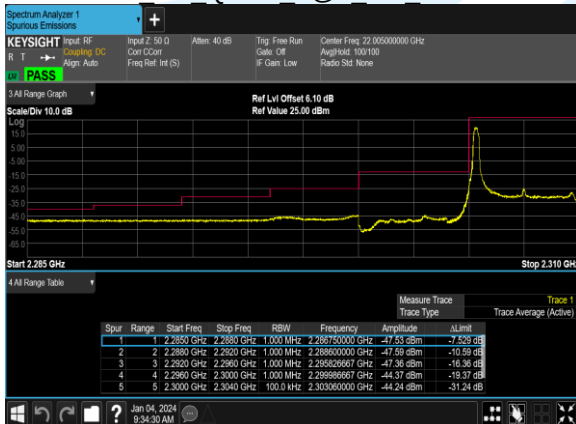
Date: 4.JAN.2024 03:25:00

B30 10M 16QAM 1@49 CH 23230



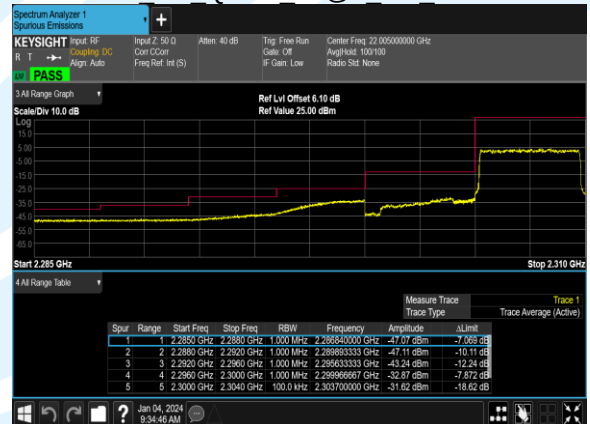
Date: 4.JAN.2024 03:18:50

B30 5M QPSK 1@0 CH 27685



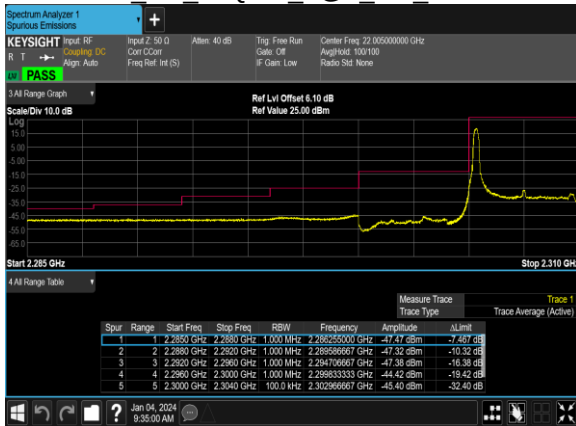
Jan 04, 2024 9:34:30 AM

B30 5M QPSK 25@0 CH 27685

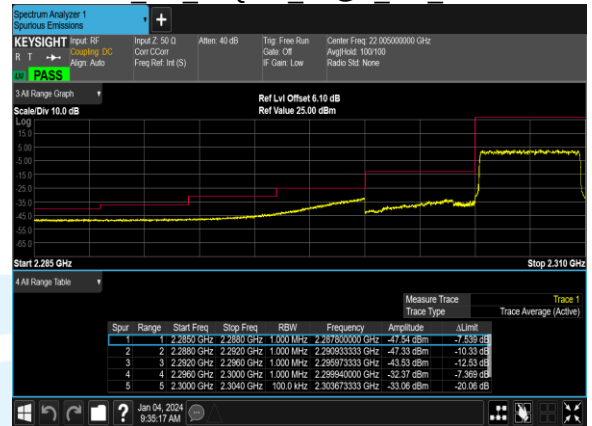


Jan 04, 2024 9:34:46 AM

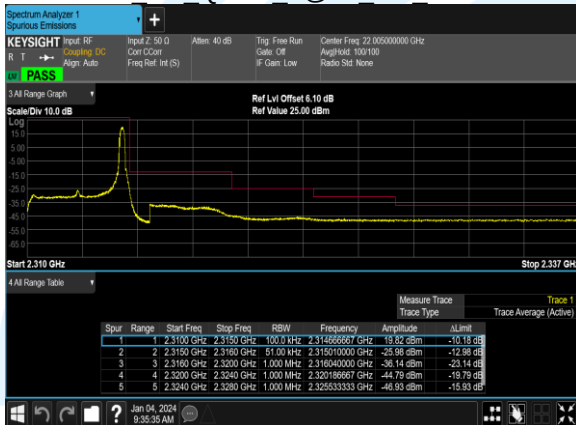
B30 5M 16QAM 1@0 CH 27685



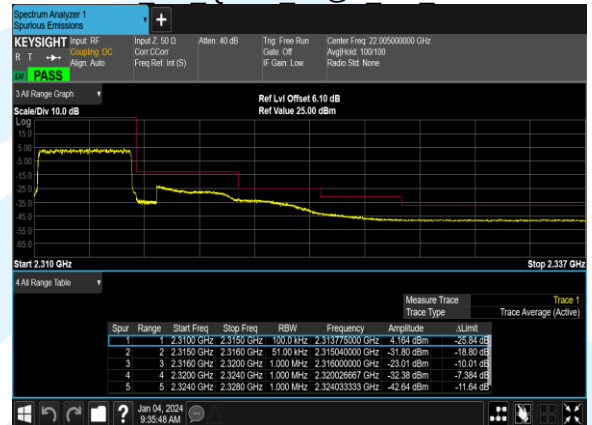
B30 5M 16QAM 25@0 CH 27685



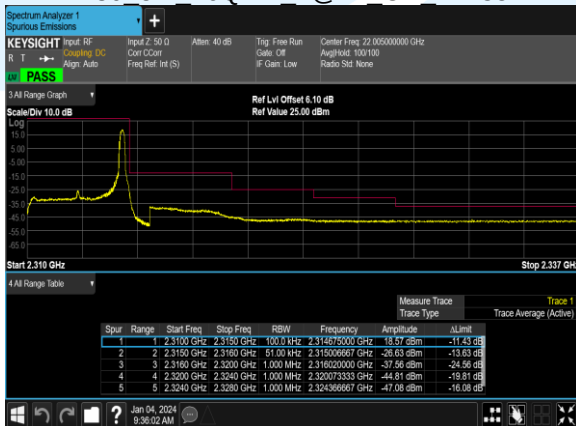
B30 5M QPSK 1@24 CH 27735



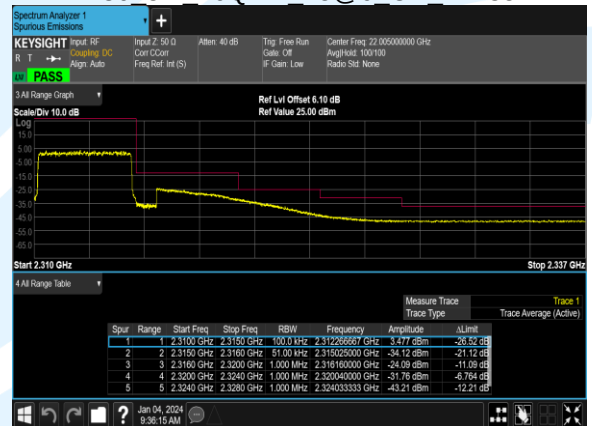
B30 5M QPSK 25@0 CH 27735



B30 5M 16QAM 1@24 CH 27735



B30 5M 16QAM 25@0 CH 27735



A.12 LTE BAND 38

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	20.0	37850	2580.0	QPSK	100@0	6.00	13	PASS
38	20.0	37850	2580.0	16QAM	100@0	6.69	13	PASS
38	20.0	38000	2595.0	QPSK	100@0	6.10	13	PASS
38	20.0	38000	2595.0	16QAM	100@0	6.84	13	PASS
38	20.0	38150	2610.0	QPSK	100@0	6.02	13	PASS
38	20.0	38150	2610.0	16QAM	100@0	7.02	13	PASS
38	15.0	37825	2577.5	QPSK	75@0	6.01	13	PASS
38	15.0	37825	2577.5	16QAM	75@0	7.05	13	PASS
38	15.0	38000	2595.0	QPSK	75@0	6.16	13	PASS
38	15.0	38000	2595.0	16QAM	75@0	6.79	13	PASS
38	15.0	38175	2612.5	QPSK	75@0	6.41	13	PASS
38	15.0	38175	2612.5	16QAM	75@0	7.27	13	PASS
38	10.0	37800	2575.0	QPSK	50@0	5.95	13	PASS
38	10.0	37800	2575.0	16QAM	50@0	6.81	13	PASS
38	10.0	38000	2595.0	QPSK	50@0	5.95	13	PASS
38	10.0	38000	2595.0	16QAM	50@0	6.76	13	PASS
38	10.0	38200	2615.0	QPSK	50@0	6.36	13	PASS
38	10.0	38200	2615.0	16QAM	50@0	7.11	13	PASS
38	5.0	37775	2572.5	QPSK	25@0	5.96	13	PASS
38	5.0	37775	2572.5	16QAM	25@0	6.81	13	PASS
38	5.0	38000	2595.0	QPSK	25@0	5.82	13	PASS
38	5.0	38000	2595.0	16QAM	25@0	6.79	13	PASS
38	5.0	38225	2617.5	QPSK	25@0	6.26	13	PASS
38	5.0	38225	2617.5	16QAM	25@0	6.81	13	PASS

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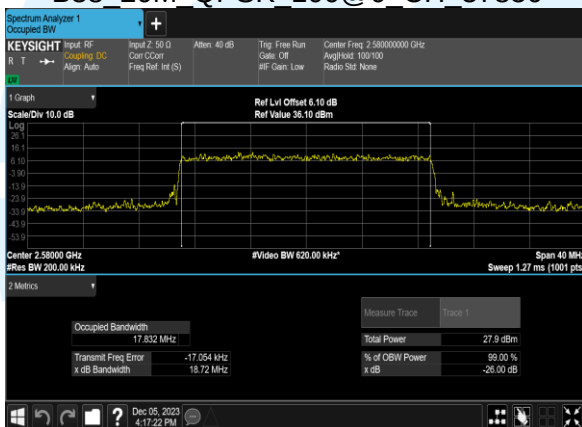
UTTR-RF-FCC4G-V1.1

Occupied Bandwidth

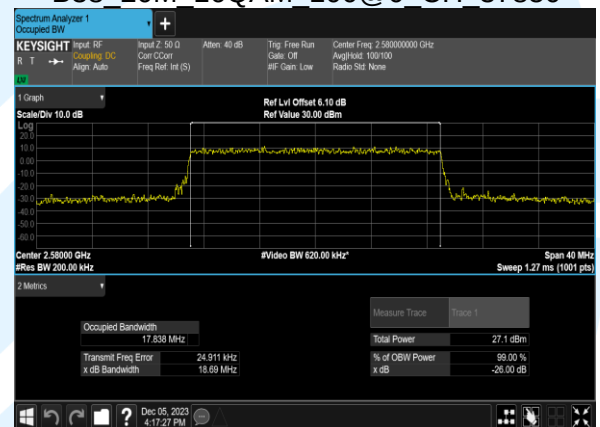
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	20.0	37850	2580.0	QPSK	100@0	17.832	18.72
38	20.0	37850	2580.0	16QAM	100@0	17.838	18.69
38	20.0	38000	2595.0	QPSK	100@0	17.848	18.86
38	20.0	38000	2595.0	16QAM	100@0	17.854	18.59
38	20.0	38150	2610.0	QPSK	100@0	17.873	18.79
38	20.0	38150	2610.0	16QAM	100@0	17.824	18.49
38	15.0	37825	2577.5	QPSK	75@0	13.350	14.15
38	15.0	37825	2577.5	16QAM	75@0	13.432	14.11
38	15.0	38000	2595.0	QPSK	75@0	13.395	14.08
38	15.0	38000	2595.0	16QAM	75@0	13.402	14.09
38	15.0	38175	2612.5	QPSK	75@0	13.395	14.13
38	15.0	38175	2612.5	16QAM	75@0	13.377	14.05
38	10.0	37800	2575.0	QPSK	50@0	8.9364	9.485
38	10.0	37800	2575.0	16QAM	50@0	8.9347	9.356
38	10.0	38000	2595.0	QPSK	50@0	8.9266	9.514
38	10.0	38000	2595.0	16QAM	50@0	8.9390	9.347
38	10.0	38200	2615.0	QPSK	50@0	8.9296	9.379
38	10.0	38200	2615.0	16QAM	50@0	8.9237	9.373
38	5.0	37775	2572.5	QPSK	25@0	4.4537	4.751
38	5.0	37775	2572.5	16QAM	25@0	4.4540	4.822
38	5.0	38000	2595.0	QPSK	25@0	4.4643	4.768
38	5.0	38000	2595.0	16QAM	25@0	4.4607	4.769
38	5.0	38225	2617.5	QPSK	25@0	4.4590	4.755
38	5.0	38225	2617.5	16QAM	25@0	4.4537	4.777

Test Graphs

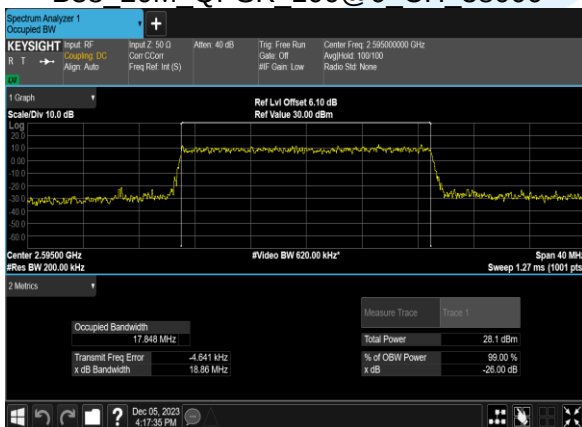
B38 20M QPSK 100@0 CH 37850



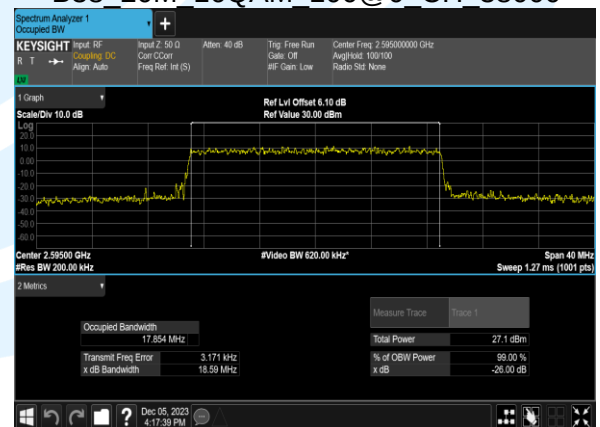
B38 20M 16QAM 100@0 CH 37850



B38 20M QPSK 100@0 CH 38000



B38 20M 16QAM 100@0 CH 38000



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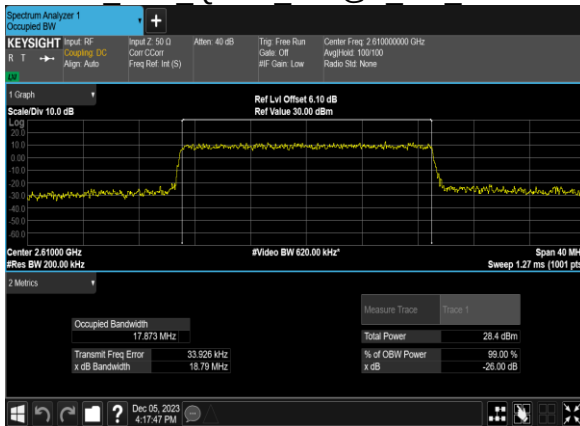
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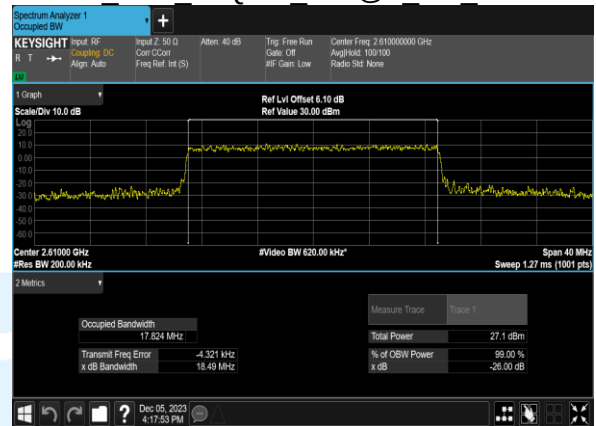
<http://www.uttlab.com>

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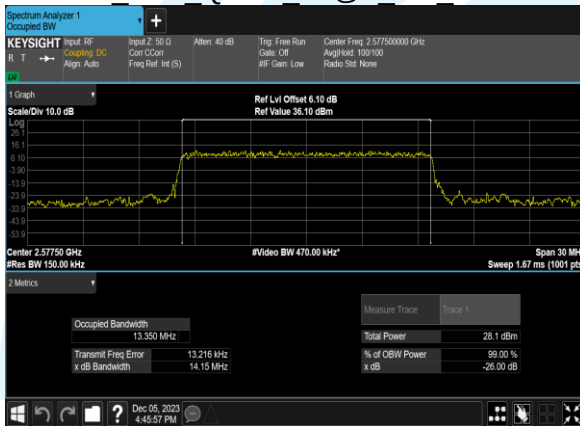
B38 20M QPSK 100@0 CH 38150



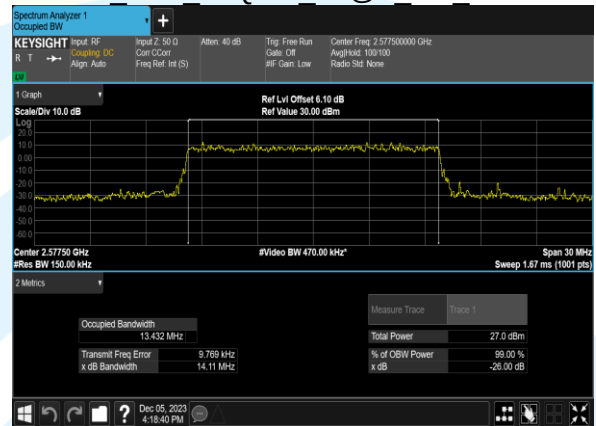
B38 20M 16QAM 100@0 CH 38150



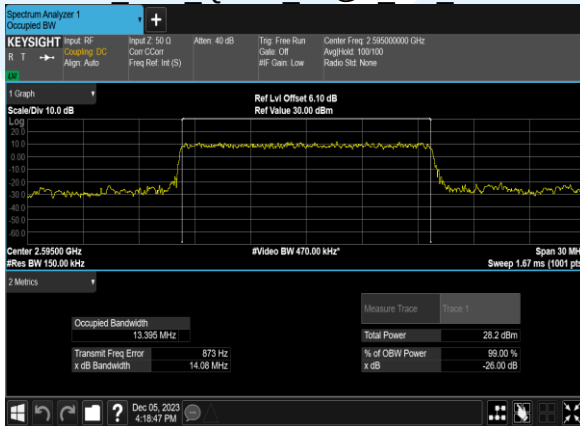
B38 15M QPSK 75@0 CH 37825



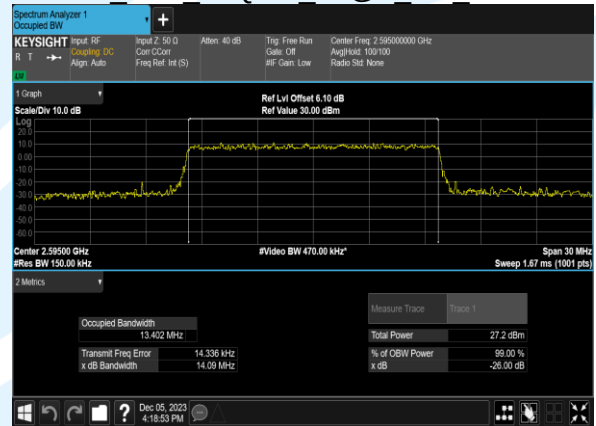
B38 15M 16QAM 75@0 CH 37825



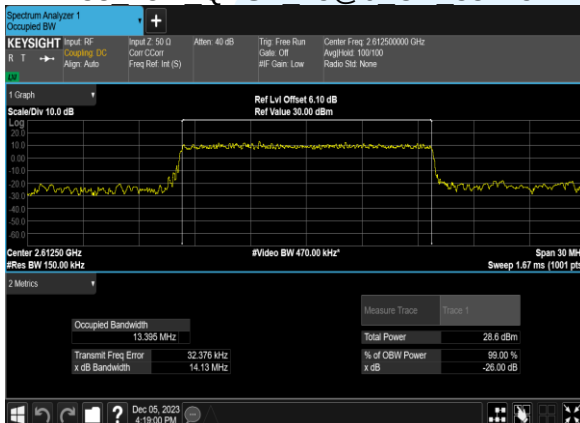
B38 15M QPSK 75@0 CH 38000



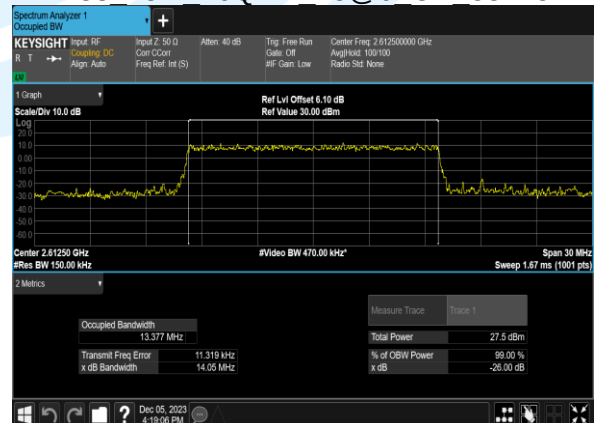
B38 15M 16QAM 75@0 CH 38000



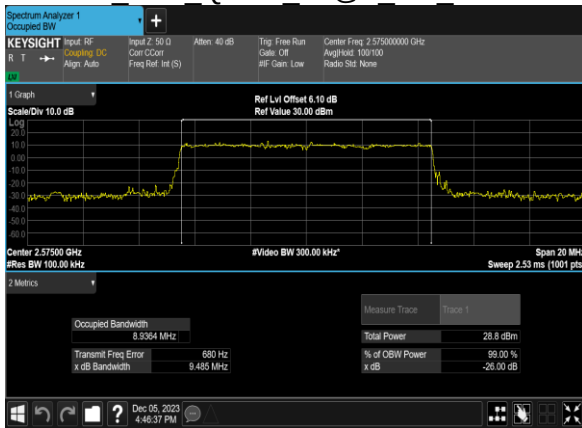
B38 15M QPSK 75@0 CH 38175



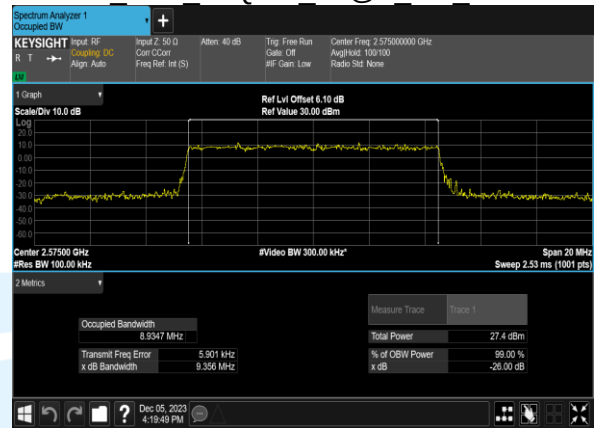
B38 15M 16QAM 75@0 CH 38175



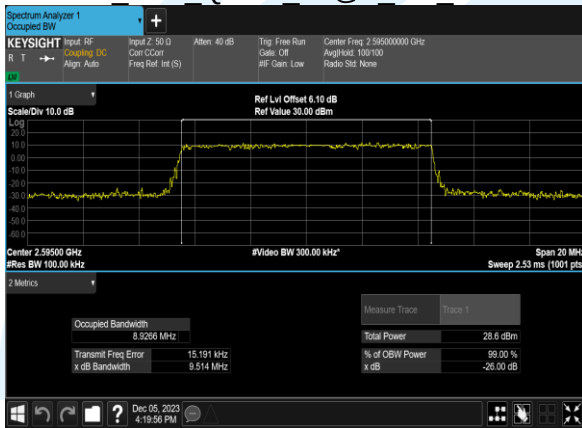
B38_10M_QPSK_50@0_CH_37800



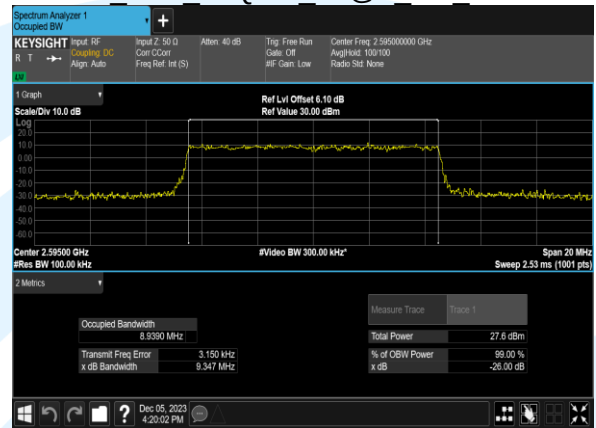
B38_10M_16QAM_50@0_CH_37800



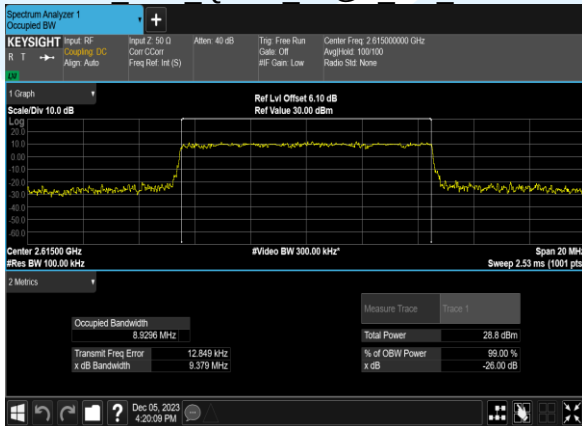
B38_10M_QPSK_50@0_CH_38000



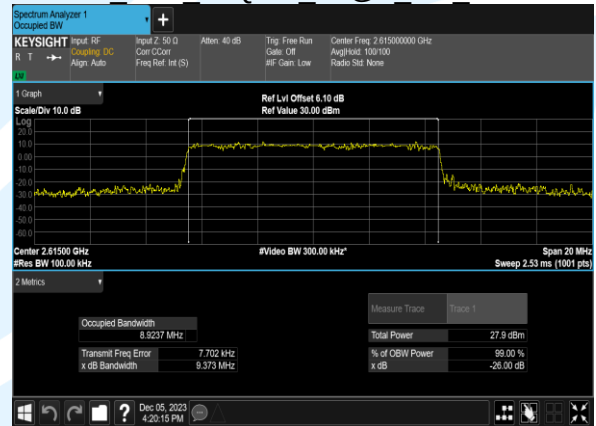
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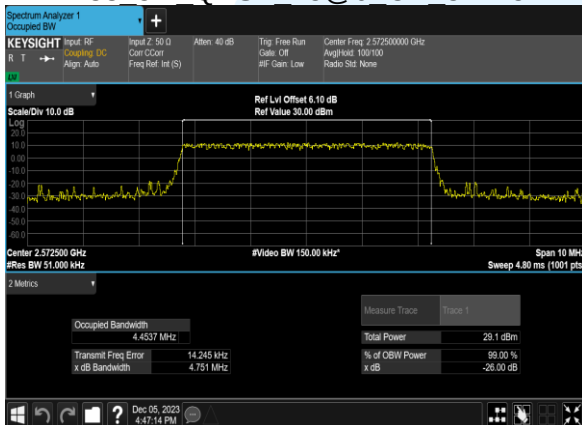
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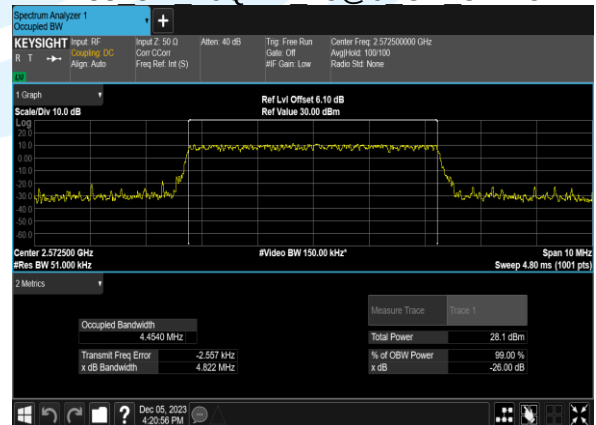
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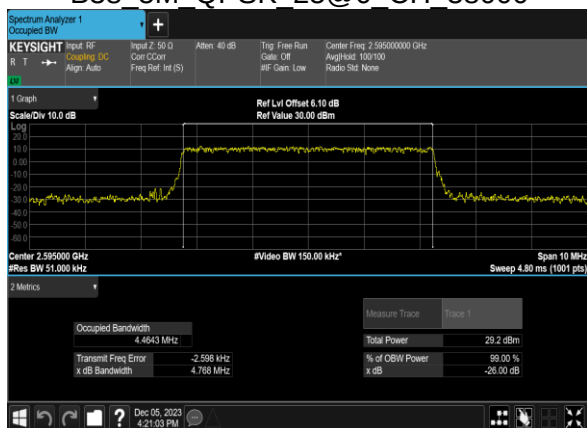
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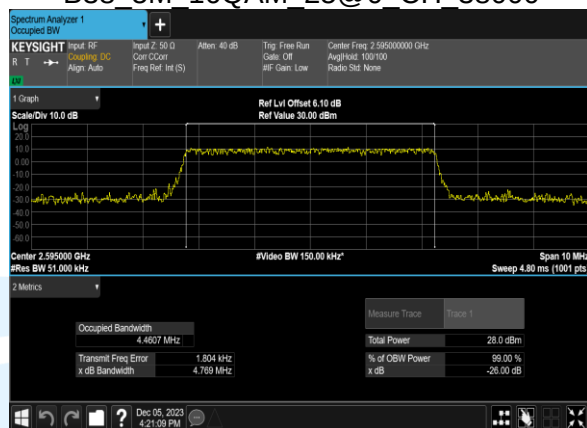
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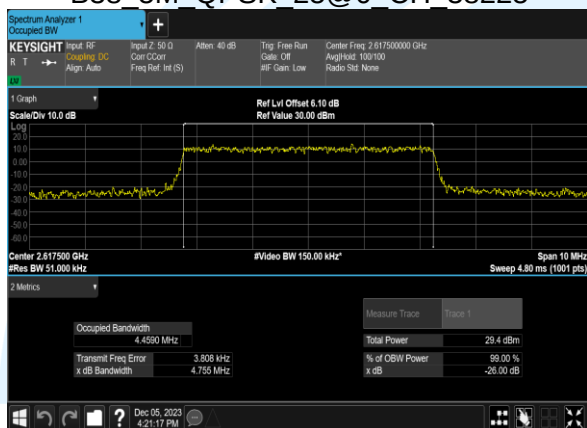
B38 5M QPSK 25@0 CH 38000



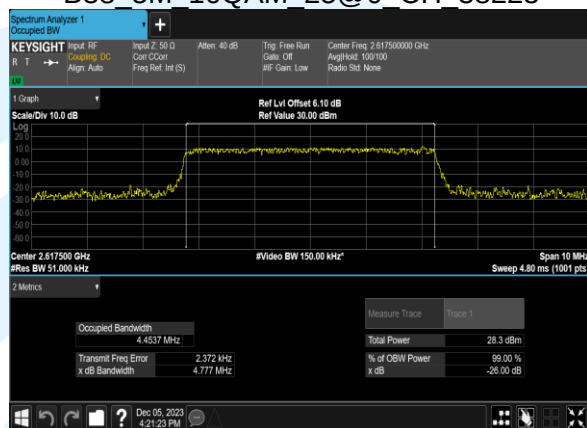
B38 5M 16QAM 25@0 CH 38000



B38 5M QPSK 25@0 CH 38225



B38 5M 16QAM 25@0 CH 38225



Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
38	20.0	37850	2580.0	QPSK	1@0	-34.24	-25	PASS
38	20.0	37850	2580.0	16QAM	1@0	-35.09	-25	PASS
38	20.0	38000	2595.0	QPSK	1@0	-35.06	-25	PASS
38	20.0	38000	2595.0	16QAM	1@0	-34.77	-25	PASS
38	20.0	38150	2610.0	QPSK	1@0	-34.22	-25	PASS
38	20.0	38150	2610.0	16QAM	1@0	-35.14	-25	PASS
38	15.0	37825	2577.5	QPSK	1@0	-35.14	-25	PASS
38	15.0	37825	2577.5	16QAM	1@0	-34.82	-25	PASS
38	15.0	38000	2595.0	QPSK	1@0	-30.21	-25	PASS
38	15.0	38000	2595.0	16QAM	1@0	-30.63	-25	PASS
38	15.0	38175	2612.5	QPSK	1@0	-29.42	-25	PASS
38	15.0	38175	2612.5	16QAM	1@0	-27.86	-25	PASS
38	10.0	37800	2575.0	QPSK	1@0	-34.4	-25	PASS
38	10.0	37800	2575.0	16QAM	1@0	-33.32	-25	PASS
38	10.0	38000	2595.0	QPSK	1@0	-28.58	-25	PASS
38	10.0	38000	2595.0	16QAM	1@0	-32.07	-25	PASS
38	10.0	38200	2615.0	QPSK	1@0	-29.18	-25	PASS
38	10.0	38200	2615.0	16QAM	1@0	-28.18	-25	PASS
38	5.0	37775	2572.5	QPSK	1@0	-31.63	-25	PASS
38	5.0	37775	2572.5	16QAM	1@0	-28.32	-25	PASS
38	5.0	38000	2595.0	QPSK	1@0	-32.34	-25	PASS
38	5.0	38000	2595.0	16QAM	1@0	-35.32	-25	PASS
38	5.0	38225	2617.5	QPSK	1@0	-31.01	-25	PASS
38	5.0	38225	2617.5	16QAM	1@0	-32.74	-25	PASS

Test Graphs

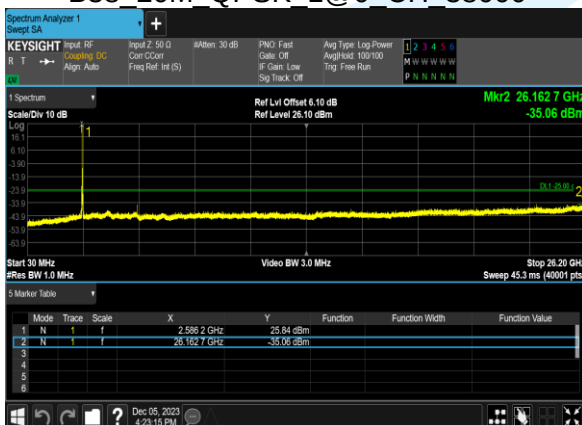
B38 20M QPSK 1@0 CH 37850



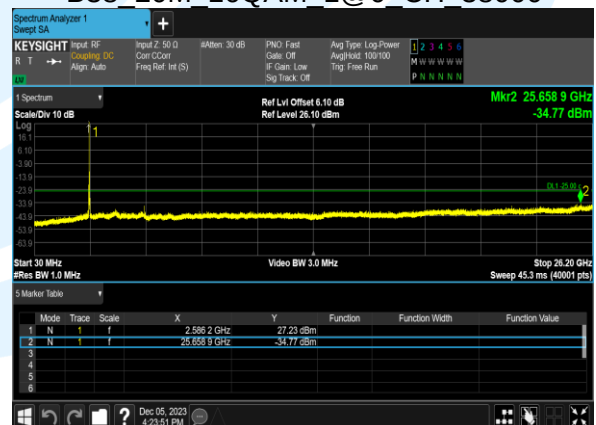
B38 20M 16QAM 1@0 CH 37850



B38 20M QPSK 1@0 CH 38000



B38 20M 16QAM 1@0 CH 38000



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