

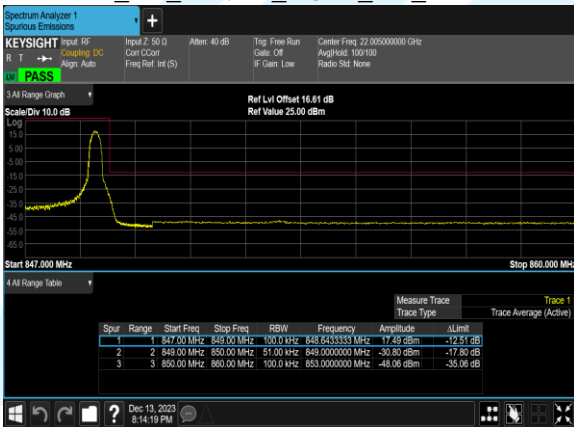
B5_5M_QPSK_1@24_CH_20625



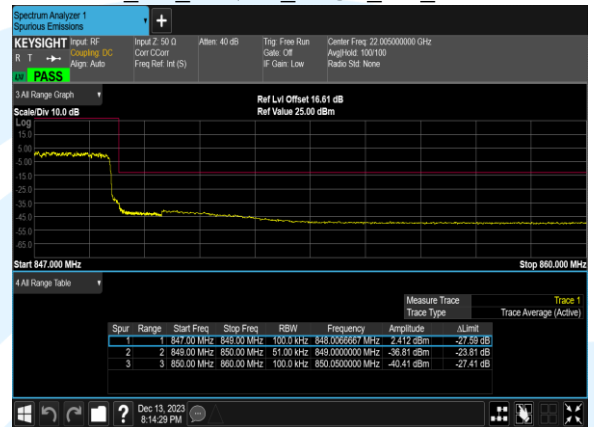
B5_5M_QPSK_25@0_CH_20625



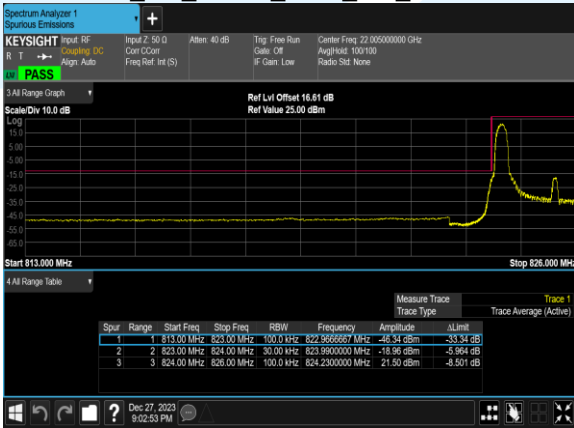
B5_5M_16QAM_1@24_CH_20625



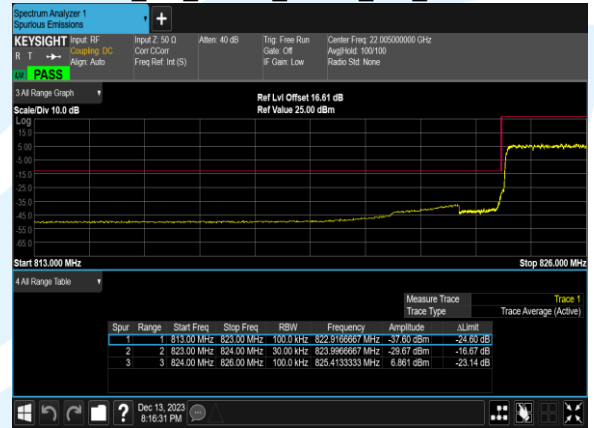
B5_5M_16QAM_25@0_CH_20625



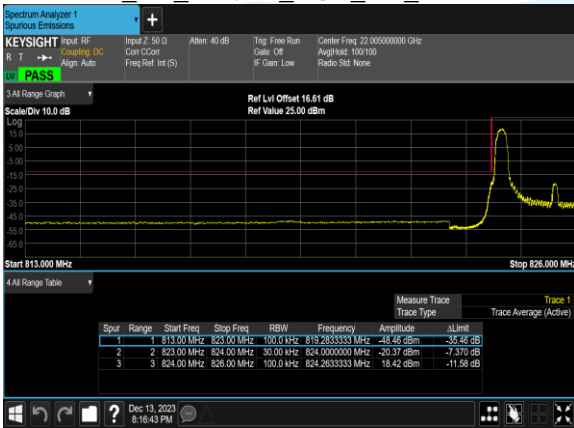
B5_3M_QPSK_1@0_CH_20415



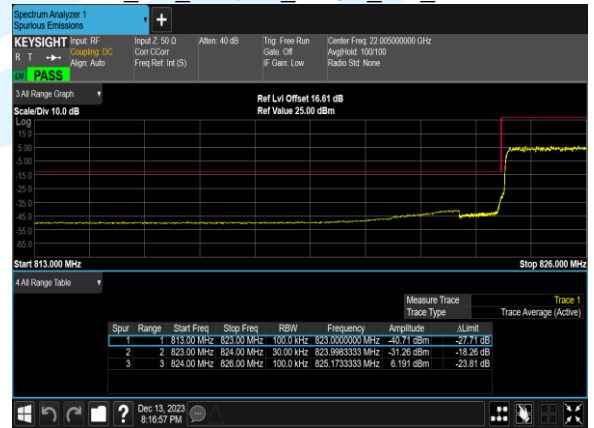
B5_3M_QPSK_15@0_CH_20415



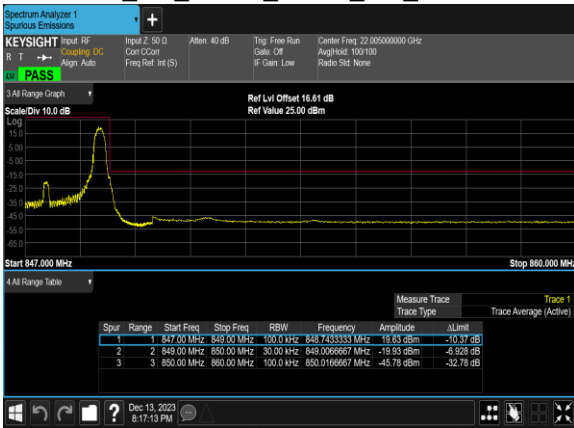
B5_3M_16QAM_1@0_CH_20415



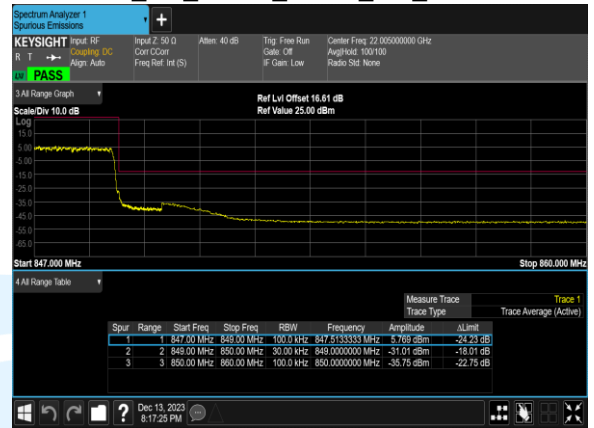
B5_3M_16QAM_15@0_CH_20415



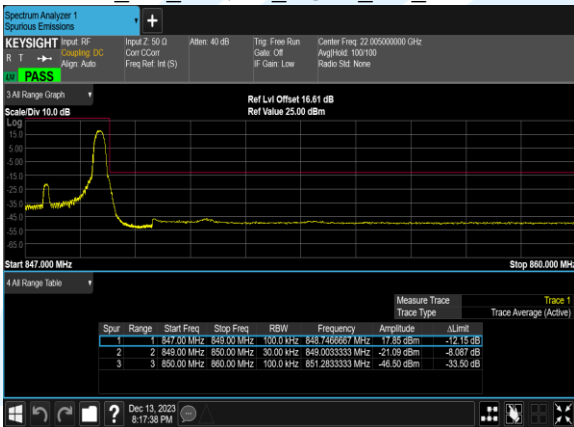
B5_3M_QPSK_1@14_CH_20635



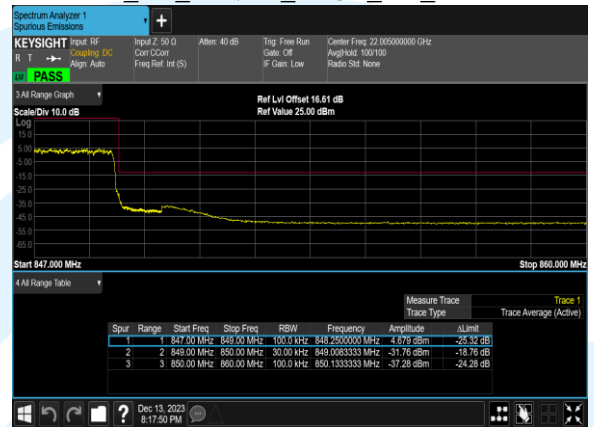
B5_3M_QPSK_15@0_CH_20635



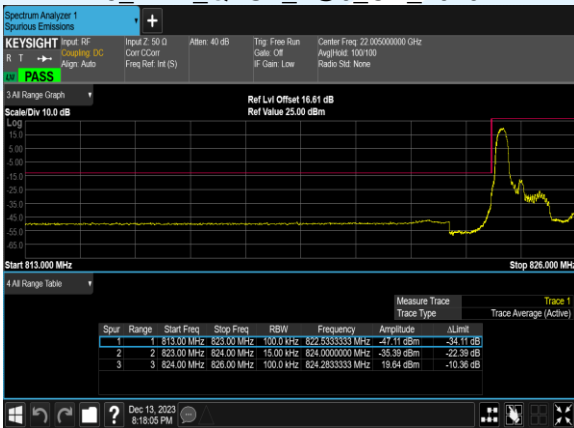
B5_3M_16QAM_1@14_CH_20635



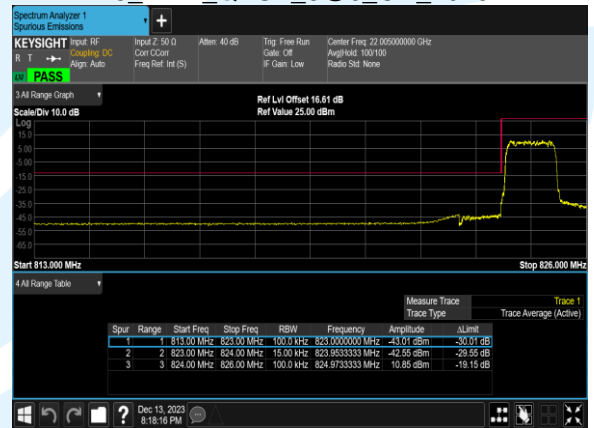
B5_3M_16QAM_15@0_CH_20635



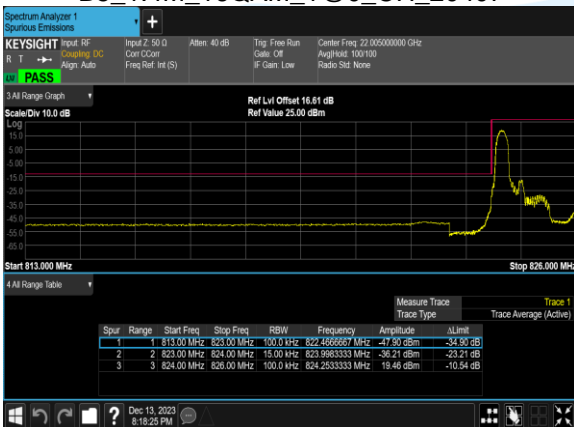
B5_1.4M_QPSK_1@0_CH_20407



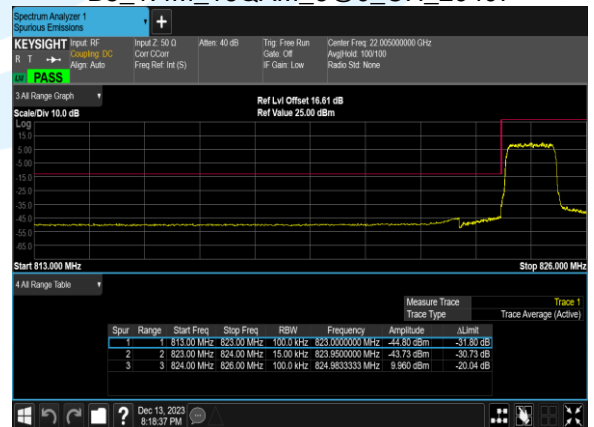
B5_1.4M_QPSK_6@0_CH_20407



B5_1.4M_16QAM_1@0_CH_20407



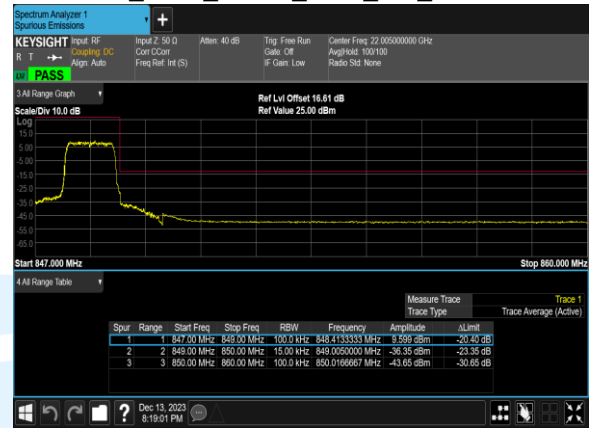
B5_1.4M_16QAM_6@0_CH_20407



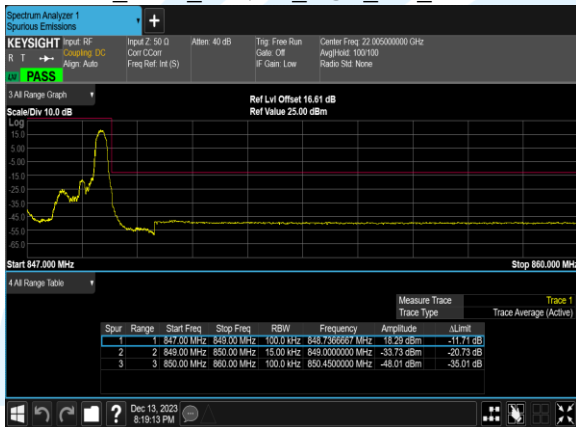
B5_1.4M_QPSK_1@5_CH_20643



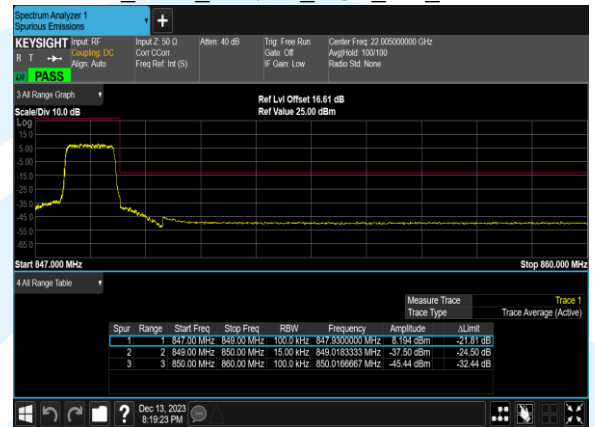
B5_1.4M_QPSK_6@0_CH_20643



B5_1.4M_16QAM_1@5_CH_20643



B5_1.4M_16QAM_6@0_CH_20643



A.4 LTE BAND 7

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	QPSK	100@0	5.43	13	PASS
7	20.0	20850	2510.0	16QAM	100@0	6.05	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	5.49	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	6.21	13	PASS
7	20.0	21350	2560.0	QPSK	100@0	5.42	13	PASS
7	20.0	21350	2560.0	16QAM	100@0	6.17	13	PASS
7	15.0	20825	2507.5	QPSK	75@0	5.27	13	PASS
7	15.0	20825	2507.5	16QAM	75@0	6.14	13	PASS
7	15.0	21100	2535.0	QPSK	75@0	5.34	13	PASS
7	15.0	21100	2535.0	16QAM	75@0	6.03	13	PASS
7	15.0	21375	2562.5	QPSK	75@0	5.28	13	PASS
7	15.0	21375	2562.5	16QAM	75@0	6.09	13	PASS
7	10.0	20800	2505.0	QPSK	50@0	5.33	13	PASS
7	10.0	20800	2505.0	16QAM	50@0	6.03	13	PASS
7	10.0	21100	2535.0	QPSK	50@0	5.47	13	PASS
7	10.0	21100	2535.0	16QAM	50@0	6.18	13	PASS
7	10.0	21400	2565.0	QPSK	50@0	5.36	13	PASS
7	10.0	21400	2565.0	16QAM	50@0	6.08	13	PASS
7	5.0	20775	2502.5	QPSK	25@0	5.49	13	PASS
7	5.0	20775	2502.5	16QAM	25@0	6.09	13	PASS
7	5.0	21100	2535.0	QPSK	25@0	5.46	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	6.17	13	PASS
7	5.0	21425	2567.5	QPSK	25@0	5.03	13	PASS
7	5.0	21425	2567.5	16QAM	25@0	5.72	13	PASS

Test Graphs

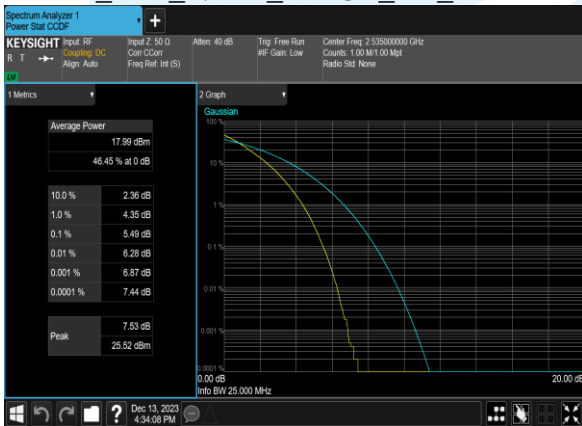
B7_20M_QPSK_100@0_CH_20850



B7_20M_16QAM_100@0_CH_20850



B7_20M_QPSK_100@0_CH_21100



B7_20M_16QAM_100@0_CH_21100



B7_20M_QPSK_100@0_CH_21350



B7_20M_16QAM_100@0_CH_21350



B7_15M_QPSK_75@0_CH_20825



B7_15M_16QAM_75@0_CH_20825



B7_15M_QPSK_75@0_CH_21100



B7_15M_16QAM_75@0_CH_21100



B7_15M_QPSK_75@0_CH_21375



B7_15M_16QAM_75@0_CH_21375



B7_10M_QPSK_50@0_CH_20800



B7_10M_16QAM_50@0_CH_20800



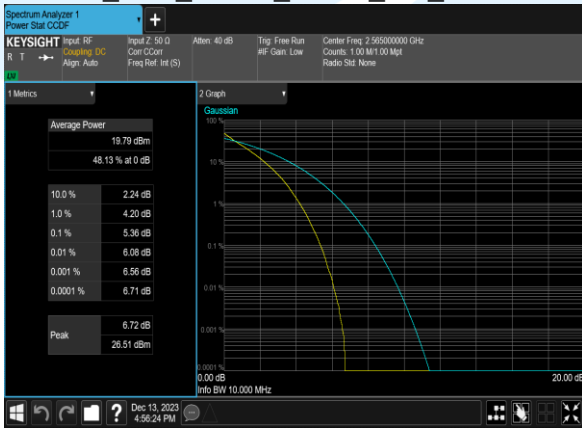
B7_10M_QPSK_50@0_CH_21100



B7_10M_16QAM_50@0_CH_21100



B7_10M_QPSK_50@0_CH_21400



B7_10M_16QAM_50@0_CH_21400



B7_5M_QPSK_25@0_CH_20775



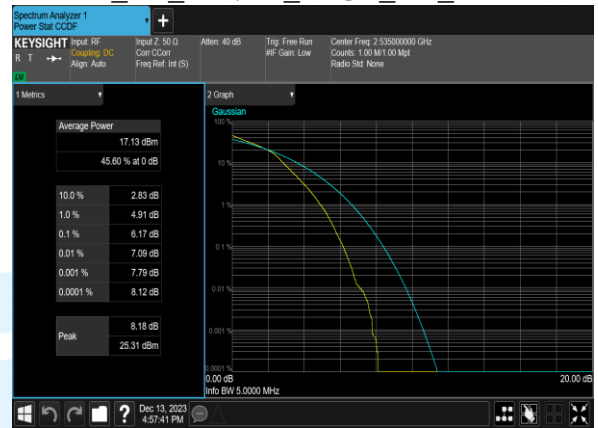
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B7_5M_QPSK_25@0_CH_21100



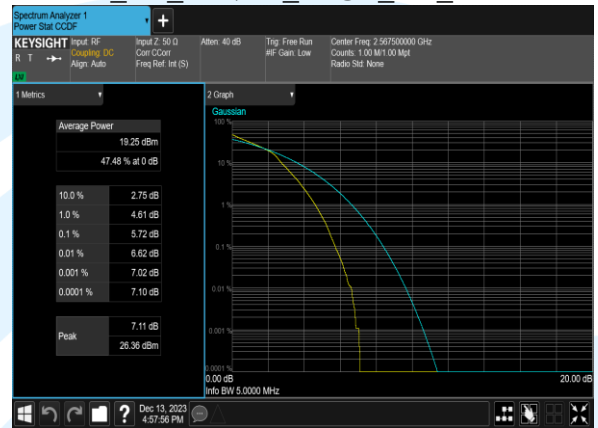
B7_5M_16QAM_25@0_CH_21100



B7_5M_QPSK_25@0_CH_21425



B7_5M_16QAM_25@0_CH_21425

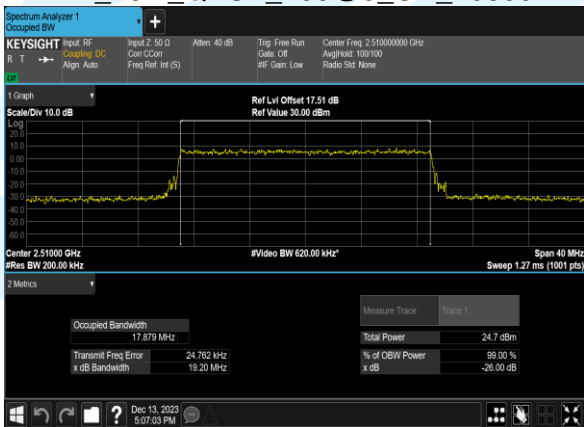


Occupied Bandwidth

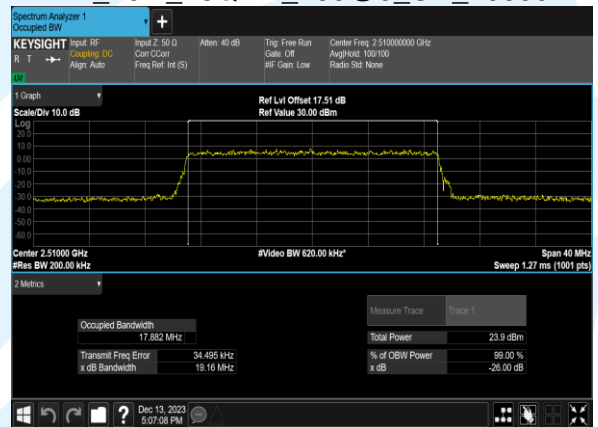
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	20.0	20850	2510.0	QPSK	100@0	17.879	19.20
7	20.0	20850	2510.0	16QAM	100@0	17.882	19.16
7	20.0	21100	2535.0	QPSK	100@0	17.851	19.15
7	20.0	21100	2535.0	16QAM	100@0	17.873	18.97
7	20.0	21350	2560.0	QPSK	100@0	17.902	19.13
7	20.0	21350	2560.0	16QAM	100@0	17.898	19.28
7	15.0	20825	2507.5	QPSK	75@0	13.400	14.55
7	15.0	20825	2507.5	16QAM	75@0	13.403	14.39
7	15.0	21100	2535.0	QPSK	75@0	13.404	14.56
7	15.0	21100	2535.0	16QAM	75@0	13.385	14.42
7	15.0	21375	2562.5	QPSK	75@0	13.386	14.35
7	15.0	21375	2562.5	16QAM	75@0	13.416	14.38
7	10.0	20800	2505.0	QPSK	50@0	8.9368	9.547
7	10.0	20800	2505.0	16QAM	50@0	8.9475	9.663
7	10.0	21100	2535.0	QPSK	50@0	8.9328	9.585
7	10.0	21100	2535.0	16QAM	50@0	8.9377	9.596
7	10.0	21400	2565.0	QPSK	50@0	8.9070	9.612
7	10.0	21400	2565.0	16QAM	50@0	8.9507	9.636
7	5.0	20775	2502.5	QPSK	25@0	4.4655	4.870
7	5.0	20775	2502.5	16QAM	25@0	4.4570	4.879
7	5.0	21100	2535.0	QPSK	25@0	4.4504	4.862
7	5.0	21100	2535.0	16QAM	25@0	4.4567	4.804
7	5.0	21425	2567.5	QPSK	25@0	4.4466	4.849
7	5.0	21425	2567.5	16QAM	25@0	4.4546	4.862

Test Graphs

B7_20M_QPSK_100@0_CH_20850



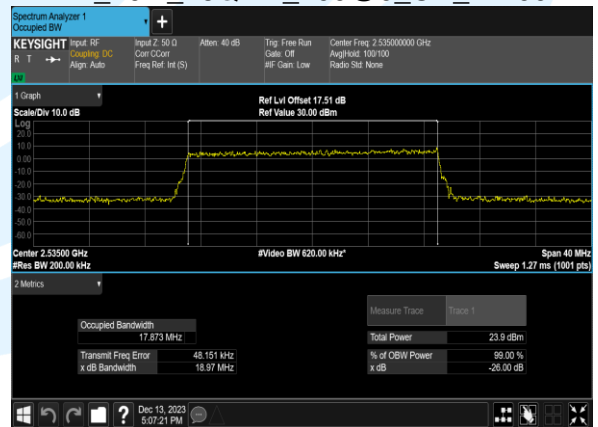
B7_20M_16QAM_100@0_CH_20850



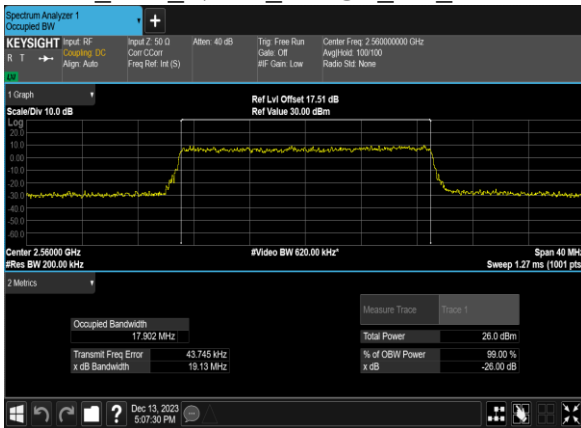
B7_20M_QPSK_100@0_CH_21100



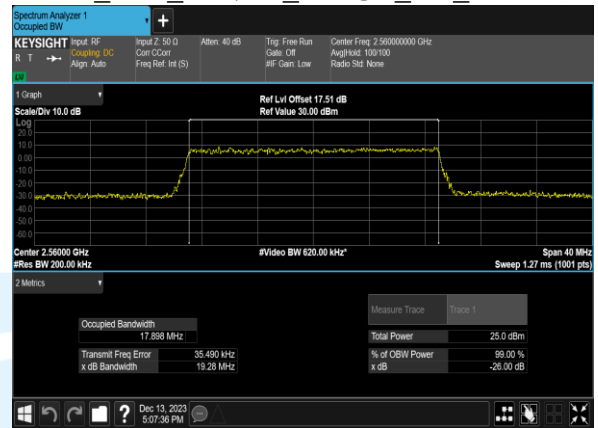
B7_20M_16QAM_100@0_CH_21100



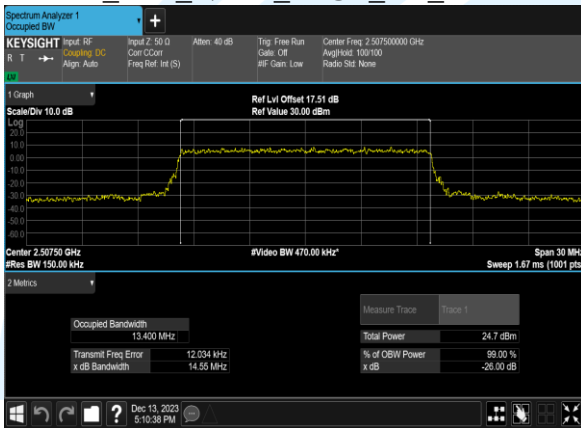
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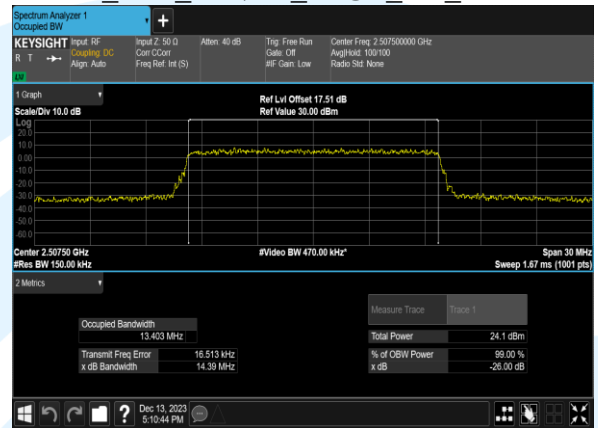
B7_20M_16QAM_100@0_CH_21350



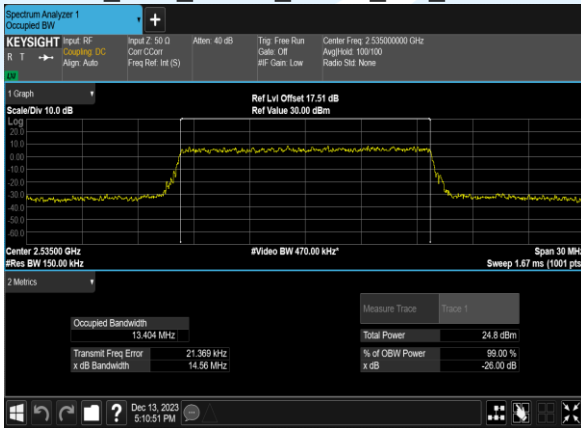
B7_15M_QPSK_75@0_CH_20825



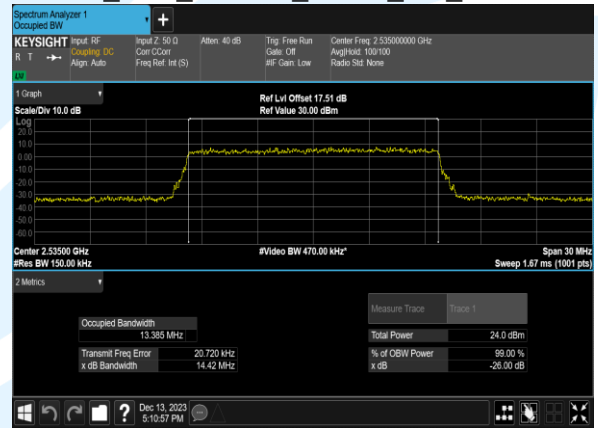
B7_15M_16QAM_75@0_CH_20825



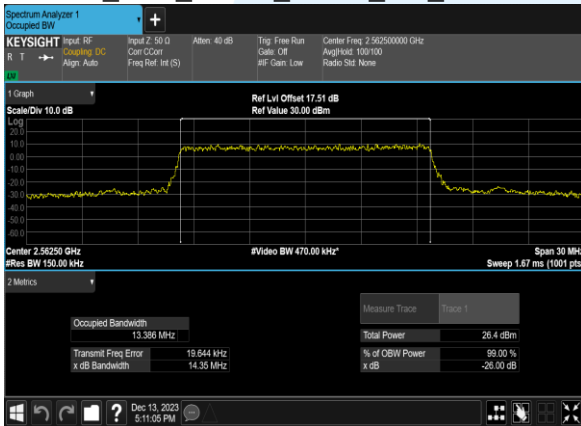
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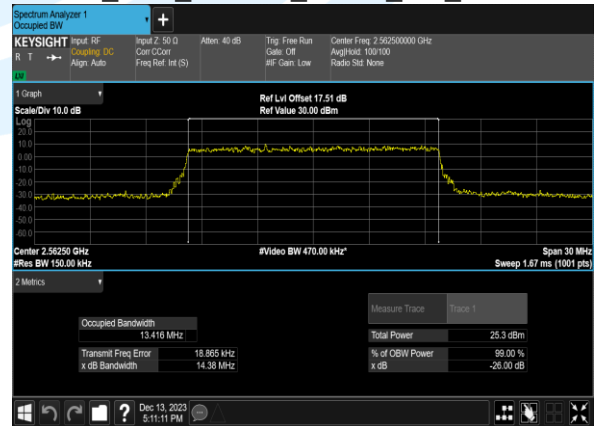
B7_15M_16QAM_75@0_CH_21100



B7_15M_QPSK_75@0_CH_21375



B7_15M_16QAM_75@0_CH_21375



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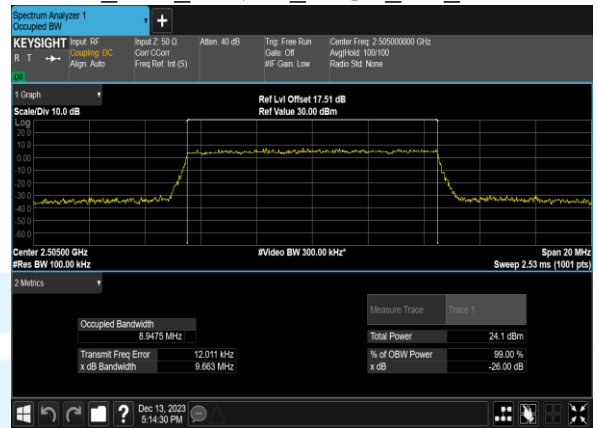
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B7_10M_QPSK_50@0_CH_20800



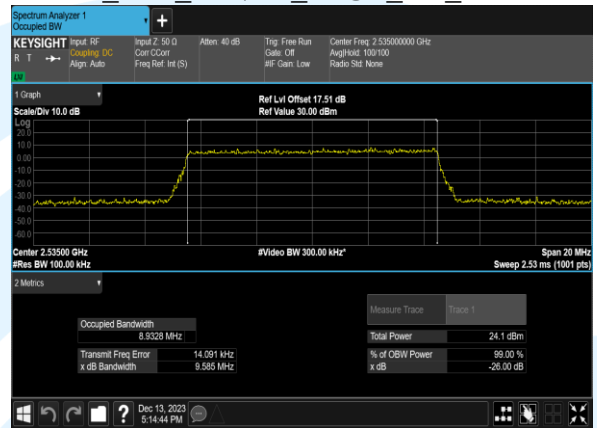
B7_10M_16QAM_50@0_CH_20800



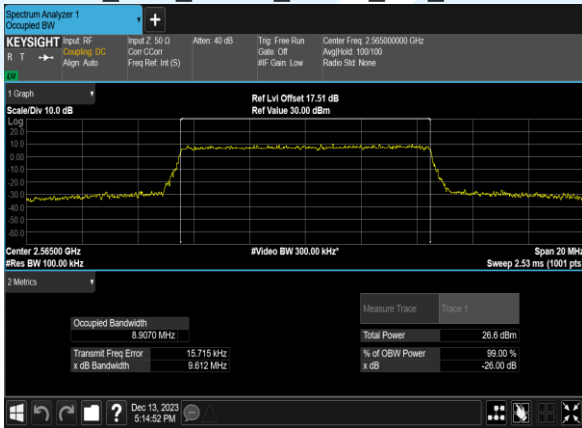
B7_10M_QPSK_50@0_CH_21100



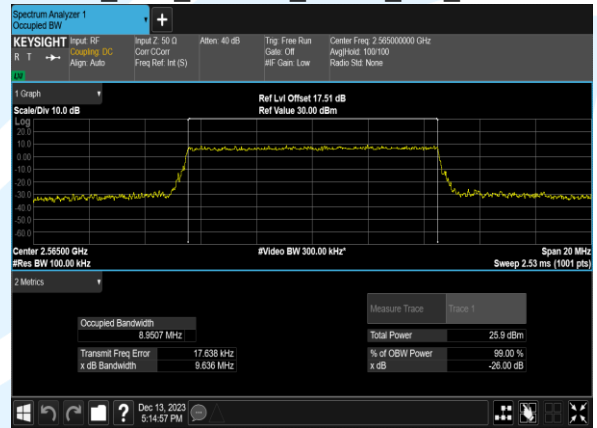
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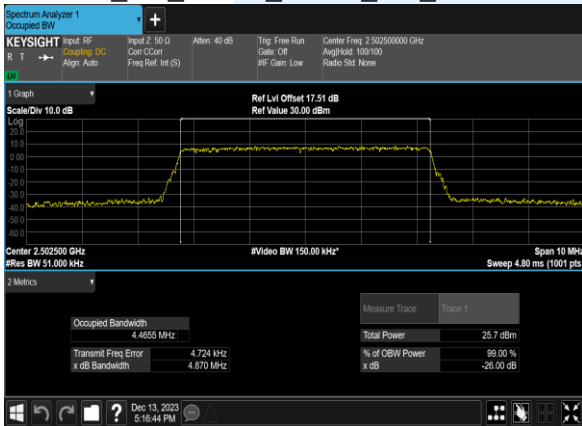
B7_10M_QPSK_50@0_CH_21400



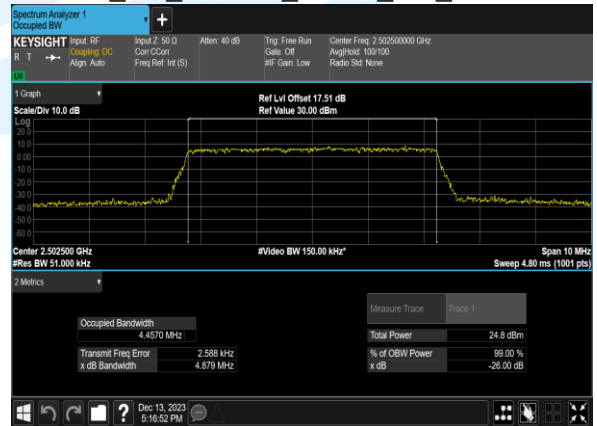
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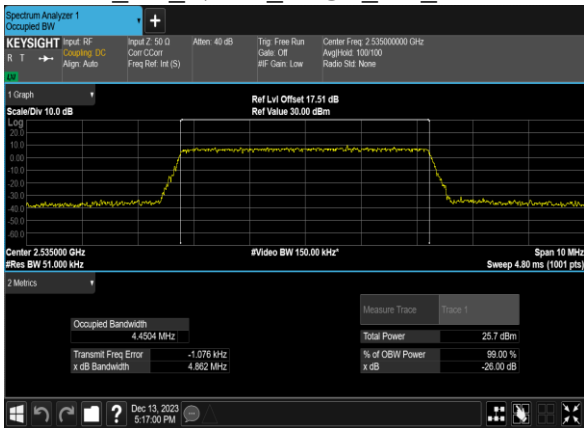
B7_5M_QPSK_25@0_CH_20775



B7_5M_16QAM_25@0_CH_20775



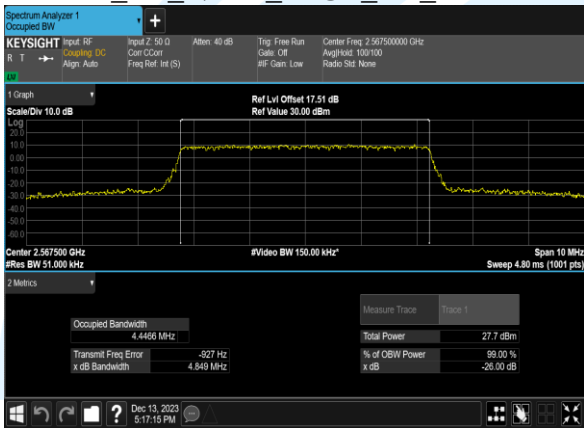
B7_5M_QPSK_25@0_CH_21100



B7_5M_16QAM_25@0_CH_21100



B7_5M_QPSK_25@0_CH_21425



B7_5M_16QAM_25@0_CH_21425

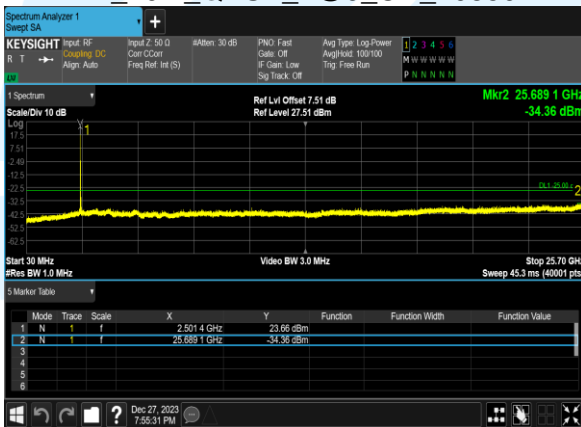


Conducted Spurious Emissions

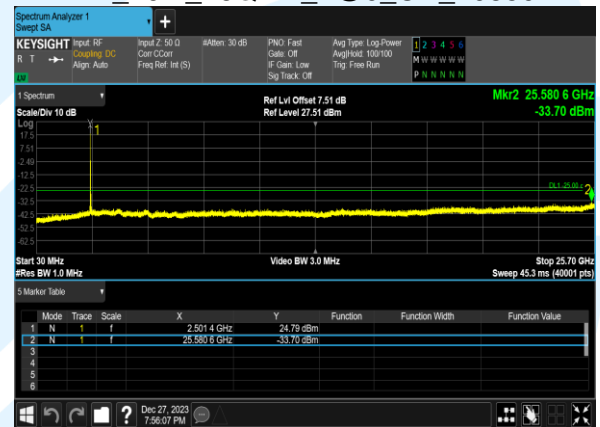
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
7	20.0	20850	2510.0	QPSK	1@0	-34.36	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	-33.7	-25	PASS
7	20.0	21100	2535.0	QPSK	1@0	-34.02	-25	PASS
7	20.0	21100	2535.0	16QAM	1@0	-34.01	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	-33.48	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	-33.85	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	-33.82	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	-34.28	-25	PASS
7	15.0	21100	2535.0	QPSK	1@0	-33.99	-25	PASS
7	15.0	21100	2535.0	16QAM	1@0	-34.44	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	-33.75	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	-33.97	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	-33.7	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	-33.79	-25	PASS
7	10.0	21100	2535.0	QPSK	1@0	-33.97	-25	PASS
7	10.0	21100	2535.0	16QAM	1@0	-33.97	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	-33.55	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	-33.96	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	-34.32	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	-33.86	-25	PASS
7	5.0	21100	2535.0	QPSK	1@0	-33.55	-25	PASS
7	5.0	21100	2535.0	16QAM	1@0	-33.9	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	-34.42	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	-33.81	-25	PASS

Test Graphs

B7_20M_QPSK_1@0_CH_20850



B7_20M_16QAM_1@0_CH_20850



B7_20M_QPSK_1@0_CH_21100



B7_20M_16QAM_1@0_CH_21100



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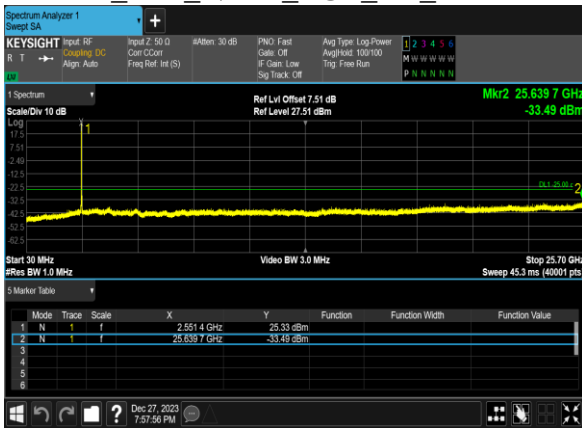
Fax: +86-755-28230886

E-mail: info@uttlab.com

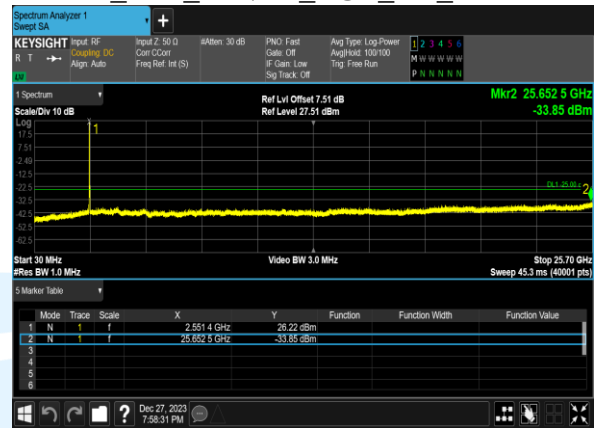
<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

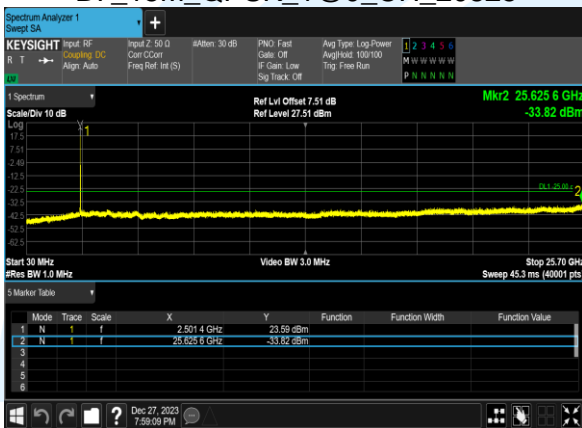
B7_20M_QPSK_1@0_CH_21350



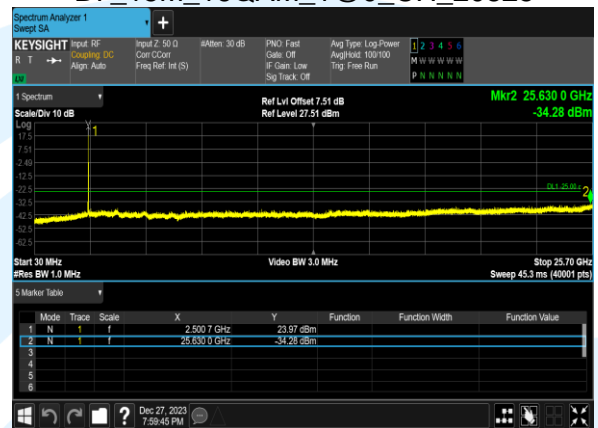
B7_20M_16QAM_1@0_CH_21350



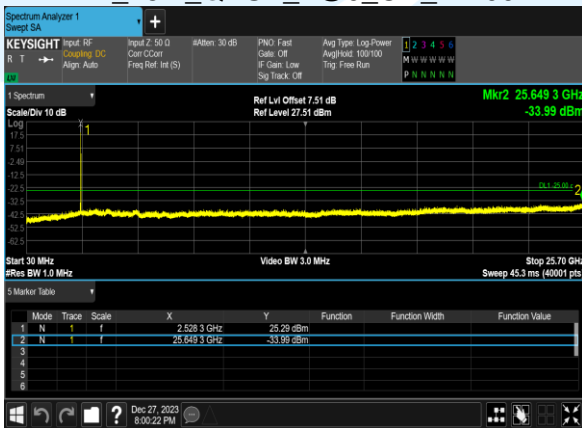
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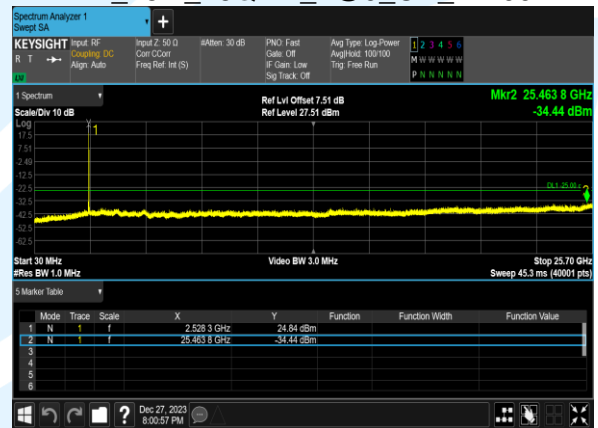
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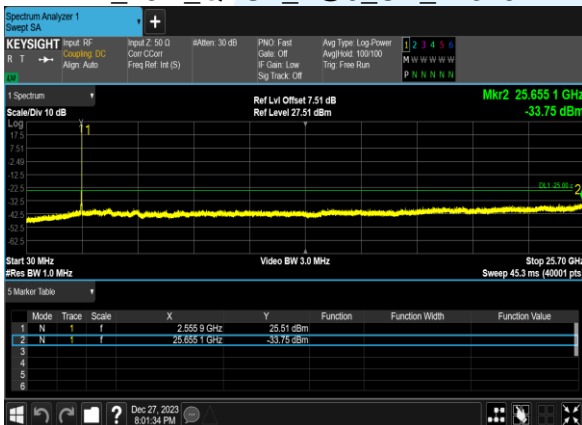
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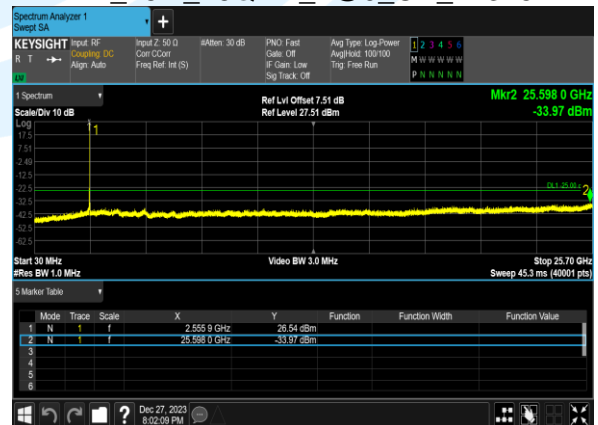
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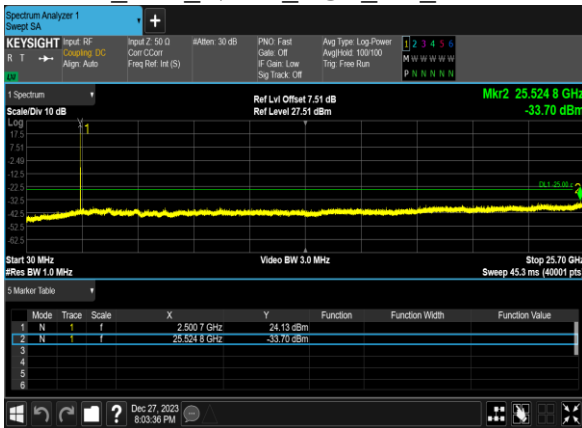
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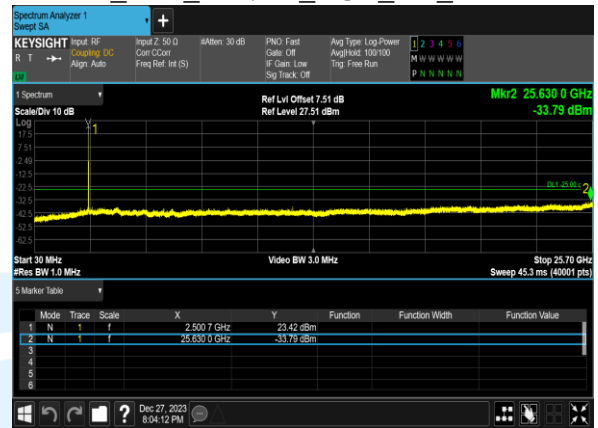
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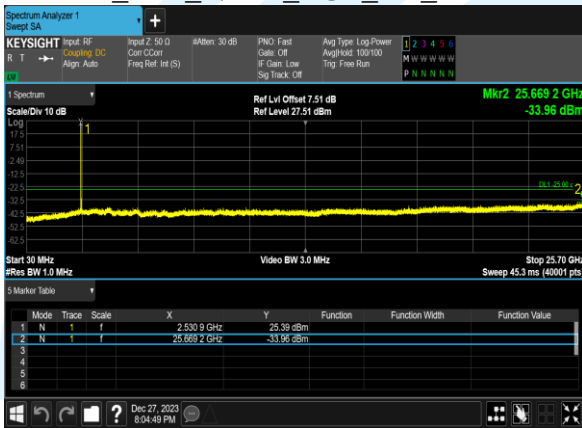
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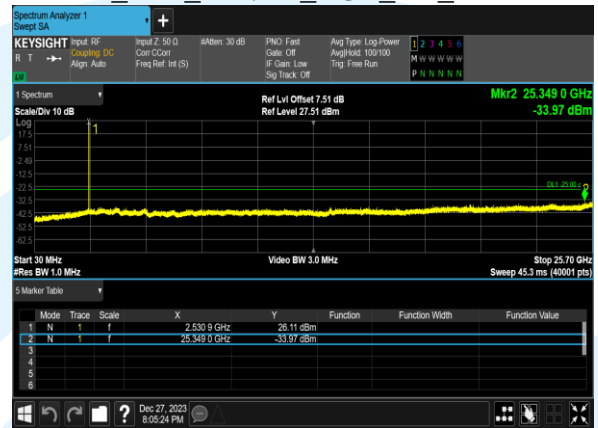
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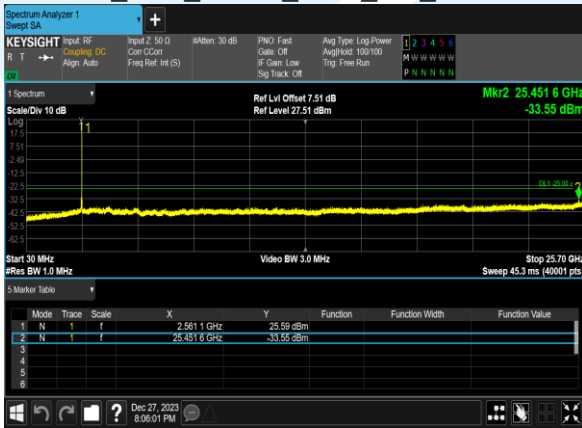
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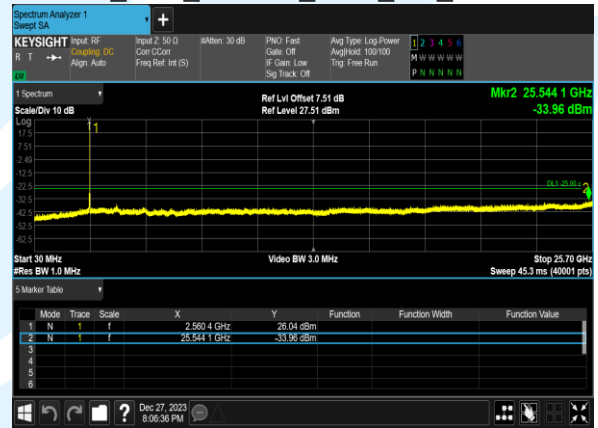
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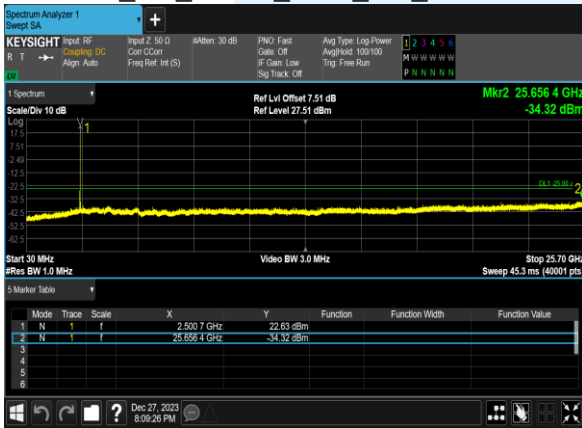
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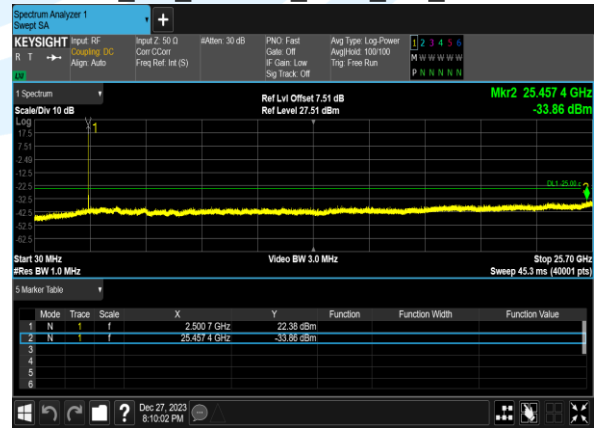
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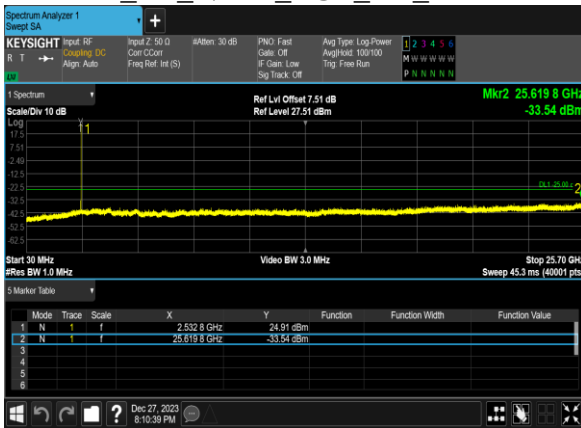
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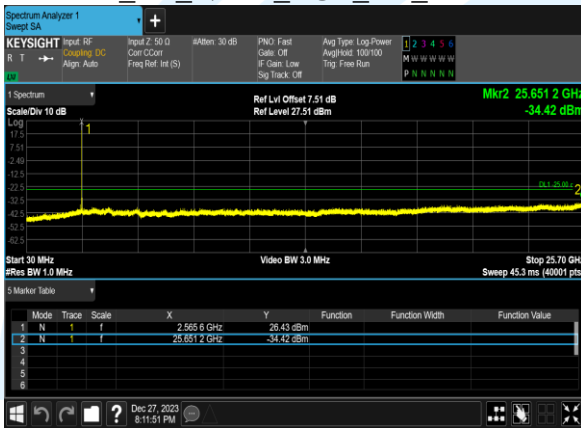
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B7_5M_16QAM_1@0_CH_21100



B7_5M_QPSK_1@0_CH_21425



B7_5M_16QAM_1@0_CH_21425

