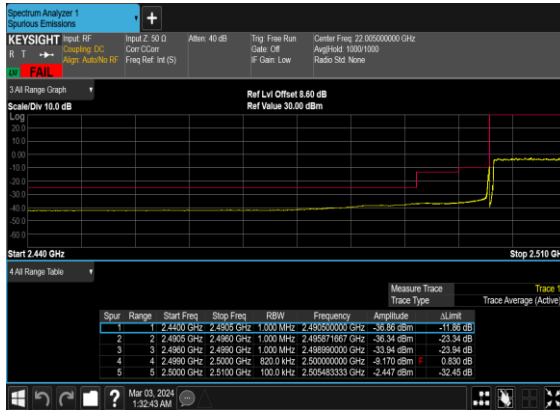


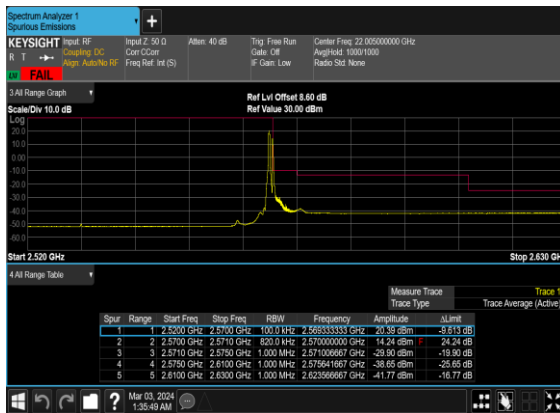
N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



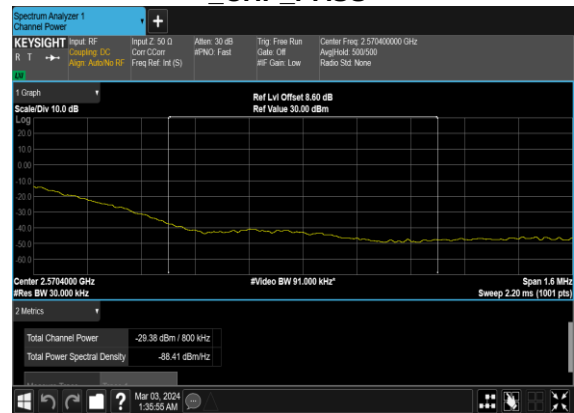
N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH
_CHP_PASS



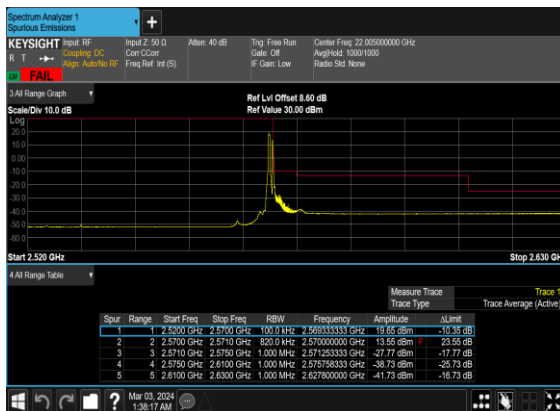
N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



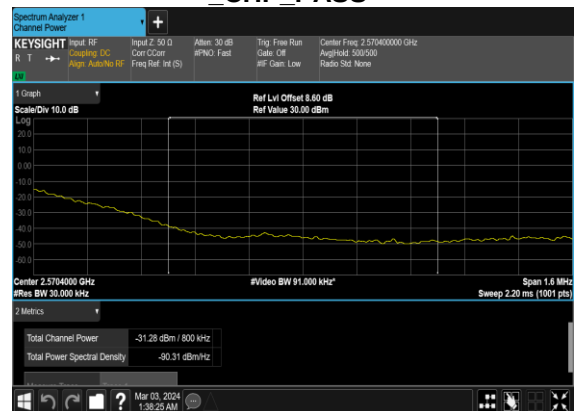
N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH
_CHP_PASS



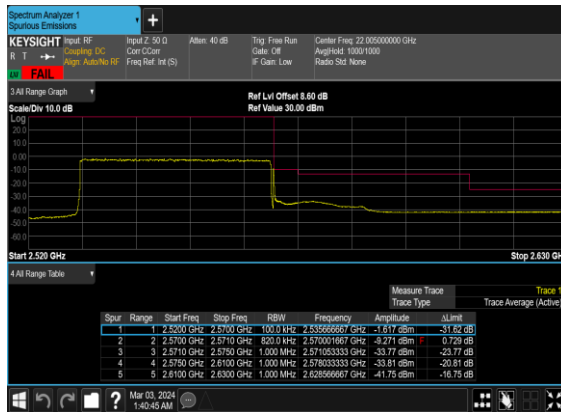
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



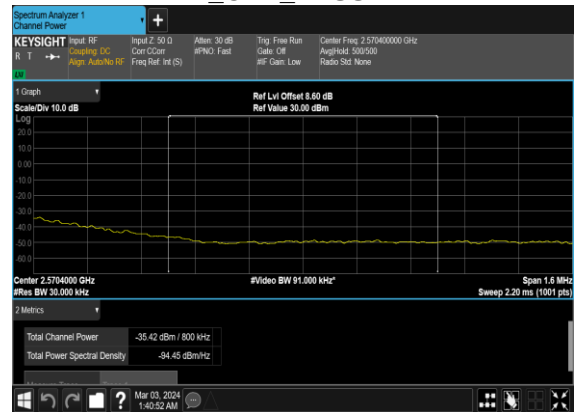
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH
_CHP_PASS



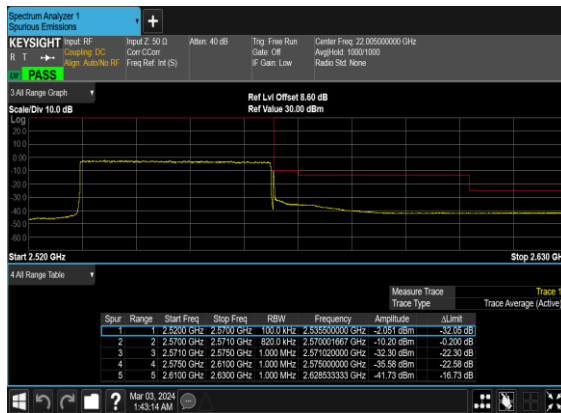
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



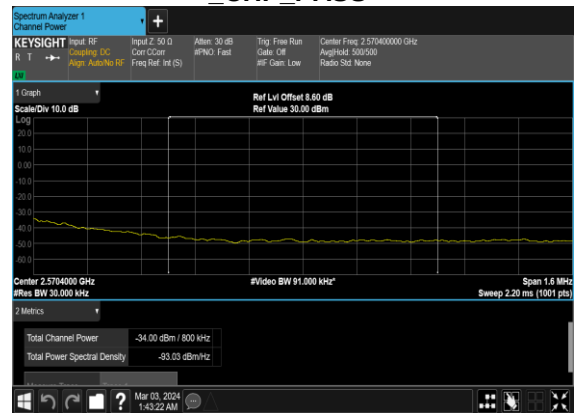
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH _CHP_PASS



N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH _CHP_PASS



Note: "CHP" means channel power integration method.

FR1 N7(ANT0)-Other PA

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power and EIRP, ($G_T - L_C$)=-1.86dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.11	21.25	0.1334
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.22	20.36	0.1086
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.11	21.25	0.1334
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.17	20.31	0.1074
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.21	21.35	0.1365
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.33	20.47	0.1114
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.13	21.27	0.1340
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.17	20.31	0.1074
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.1	21.24	0.1330
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.12	20.26	0.1062
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.26	21.4	0.1380
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.29	20.43	0.1104
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.45	21.59	0.1442
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.46	20.6	0.1148
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.1	21.24	0.1330
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.12	20.26	0.1062
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.14	21.28	0.1343
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.16	20.3	0.1072
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	23.31	21.45	0.1396
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	22.43	20.57	0.1140
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.11	21.25	0.1334
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.11	20.25	0.1059
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.11	21.25	0.1334
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	22.23	20.37	0.1089
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@1	23.35	21.49	0.1409
7	15	25	502500	2512.5	DFT-s-OFDM 16 QAM	1@1	22.37	20.51	0.1125
7	15	25	507000	2535	DFT-s-OFDM QPSK	1@1	23.31	21.45	0.1396
7	15	25	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.42	20.56	0.1138

7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@1	23.24	21.38	0.1374
7	15	25	511500	2557.5	DFT-s-OFDM 16 QAM	1@1	22.26	20.4	0.1096
7	15	30	503000	2515	DFT-s-OFDM QPSK	1@1	23.35	21.49	0.1409
7	15	30	503000	2515	DFT-s-OFDM 16 QAM	1@1	22.46	20.6	0.1148
7	15	30	507000	2535	DFT-s-OFDM QPSK	1@1	23.34	21.48	0.1406
7	15	30	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.36	20.5	0.1122
7	15	30	511000	2555	DFT-s-OFDM QPSK	1@1	23.24	21.38	0.1374
7	15	30	511000	2555	DFT-s-OFDM 16 QAM	1@1	22.15	20.29	0.1069
7	15	35	503500	2517.5	DFT-s-OFDM QPSK	1@1	23.37	21.51	0.1416
7	15	35	503500	2517.5	DFT-s-OFDM 16 QAM	1@1	22.38	20.52	0.1127
7	15	35	507000	2535	DFT-s-OFDM QPSK	1@1	23.33	21.47	0.1403
7	15	35	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.24	20.38	0.1091
7	15	35	510500	2552.5	DFT-s-OFDM QPSK	1@1	23.13	21.27	0.1340
7	15	35	510500	2552.5	DFT-s-OFDM 16 QAM	1@1	22.14	20.28	0.1067
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	108@54	23.52	21.66	0.1466
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	1@1	23.48	21.62	0.1452
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	1@214	23.42	21.56	0.1432
7	15	40	504000	2520	DFT-s-OFDM QPSK	108@54	23.44	21.58	0.1439
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@1	23.52	21.66	0.1466
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@214	23.59	21.73	0.1489
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	108@54	22.26	20.4	0.1096
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@1	22.46	20.6	0.1148
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@214	22.46	20.6	0.1148
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	108@54	20.95	19.09	0.0811
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	1@1	21	19.14	0.0820
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	1@214	20.88	19.02	0.0798
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	108@54	18.93	17.07	0.0509
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	1@1	18.34	16.48	0.0445
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	1@214	18.31	16.45	0.0442
7	15	40	504000	2520	CP-OFDM QPSK	108@54	21.89	20.03	0.1007
7	15	40	504000	2520	CP-OFDM QPSK	1@1	21.85	19.99	0.0998
7	15	40	504000	2520	CP-OFDM QPSK	1@214	21.85	19.99	0.0998
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	108@54	23.56	21.7	0.1479
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.41	21.55	0.1429
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	1@214	23.48	21.62	0.1452

7	15	40	507000	2535	DFT-s-OFDM QPSK	108@54	23.48	21.62	0.1452
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@1	23.55	21.69	0.1476
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@214	23.56	21.7	0.1479
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	108@54	22.29	20.43	0.1104
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.31	20.45	0.1109
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@214	22.59	20.73	0.1183
7	15	40	507000	2535	DFT-s-OFDM 64 QAM	108@54	20.89	19.03	0.0800
7	15	40	507000	2535	DFT-s-OFDM 64 QAM	1@1	20.87	19.01	0.0796
7	15	40	507000	2535	DFT-s-OFDM 64 QAM	1@214	20.85	18.99	0.0793
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	108@54	18.95	17.09	0.0512
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	1@1	18.31	16.45	0.0442
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	1@214	18.37	16.51	0.0448
7	15	40	507000	2535	CP-OFDM QPSK	108@54	21.93	20.07	0.1016
7	15	40	507000	2535	CP-OFDM QPSK	1@1	21.8	19.94	0.0986
7	15	40	507000	2535	CP-OFDM QPSK	1@214	21.96	20.1	0.1023
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	108@54	23.6	21.74	0.1493
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	1@1	23.48	21.62	0.1452
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	1@214	23.54	21.68	0.1472
7	15	40	510000	2550	DFT-s-OFDM QPSK	108@54	23.47	21.61	0.1449
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@1	23.45	21.59	0.1442
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@214	23.68	21.82	0.1521
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	108@54	22.33	20.47	0.1114
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@1	22.38	20.52	0.1127
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@214	22.56	20.7	0.1175
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	108@54	20.87	19.01	0.0796
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	1@1	20.9	19.04	0.0802
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	1@214	21.11	19.25	0.0841
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	108@54	18.89	17.03	0.0505
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	1@1	18.26	16.4	0.0437
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	1@214	18.37	16.51	0.0448
7	15	40	510000	2550	CP-OFDM QPSK	108@54	21.82	19.96	0.0991
7	15	40	510000	2550	CP-OFDM QPSK	1@1	21.81	19.95	0.0989
7	15	40	510000	2550	CP-OFDM QPSK	1@214	22.01	20.15	0.1035

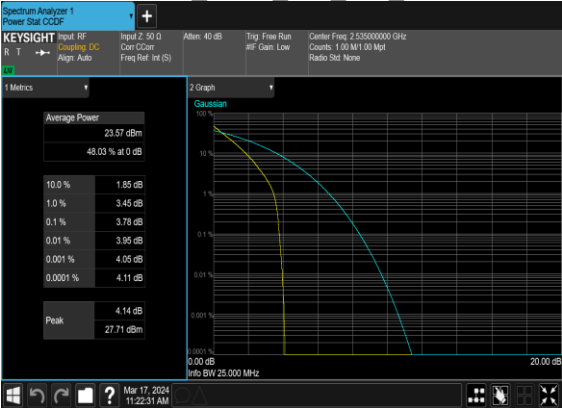
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0022	PASS	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0049	PASS	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0062	PASS	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0036	PASS	-30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0034	PASS	-20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0045	PASS	-10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0043	PASS	0°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0022	PASS	20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0068	PASS	30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0025	PASS	40°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0033	PASS	50°C

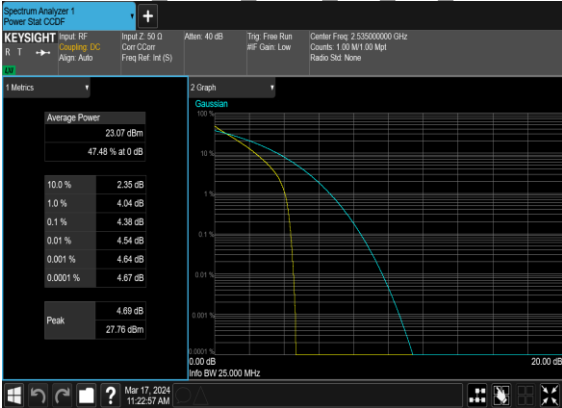
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	3.78	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	4.38	13	PASS

B2_N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



B2_N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	15	5	507000	2535.0	CP-OFDM QPSK	25@0	4.4801	5.1
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.4775	5.115
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.4785	5.043
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.4693	5.086
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.2718	9.975
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.2674	10.03
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.2717	9.914
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.2897	10.07
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.093	14.87
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.081	14.95
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.124	14.85
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.096	14.83
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.948	19.78
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.925	19.89
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.949	19.82
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	18.896	19.88
7	15	25	507000	2535.0	CP-OFDM QPSK	133@0	23.757	24.75
7	15	25	507000	2535.0	CP-OFDM 16 QAM	133@0	23.788	24.72
7	15	25	507000	2535.0	CP-OFDM 64 QAM	133@0	23.758	24.69
7	15	25	507000	2535.0	CP-OFDM 256 QAM	133@0	23.755	24.8
7	15	30	507000	2535.0	CP-OFDM QPSK	160@0	28.53	29.6
7	15	30	507000	2535.0	CP-OFDM 16 QAM	160@0	28.634	29.62
7	15	30	507000	2535.0	CP-OFDM 64 QAM	160@0	28.55	29.66
7	15	30	507000	2535.0	CP-OFDM 256 QAM	160@0	28.585	29.59
7	15	35	507000	2535.0	CP-OFDM QPSK	188@0	33.642	34.89
7	15	35	507000	2535.0	CP-OFDM 16 QAM	188@0	33.6	34.69
7	15	35	507000	2535.0	CP-OFDM 64 QAM	188@0	33.587	34.78
7	15	35	507000	2535.0	CP-OFDM 256 QAM	188@0	33.597	34.82
7	15	40	507000	2535.0	CP-OFDM QPSK	216@0	38.539	39.79
7	15	40	507000	2535.0	CP-OFDM 16 QAM	216@0	38.55	39.86
7	15	40	507000	2535.0	CP-OFDM 64 QAM	216@0	38.484	40.03
7	15	40	507000	2535.0	CP-OFDM 256 QAM	216@0	38.61	39.86

B2_N7(5M)_CP-
OFDM QPSK Outer Full Mid CH



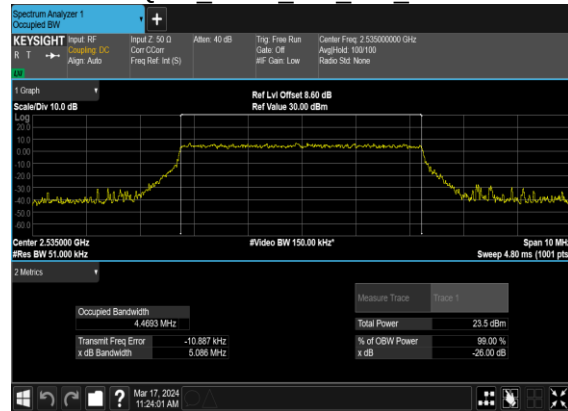
B2_N7(5M)_CP-OFDM_16
QAM Outer Full Mid CH



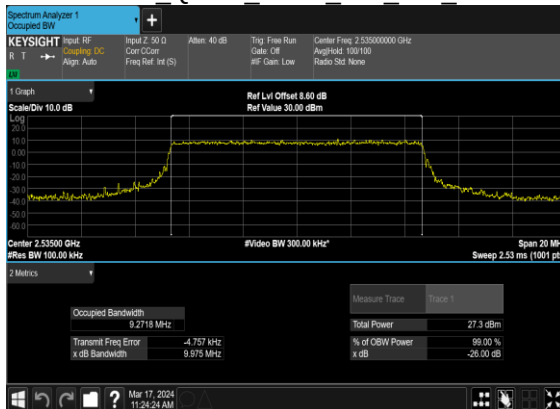
B2_N7(5M)_CP-OFDM_64
QAM Outer Full Mid CH



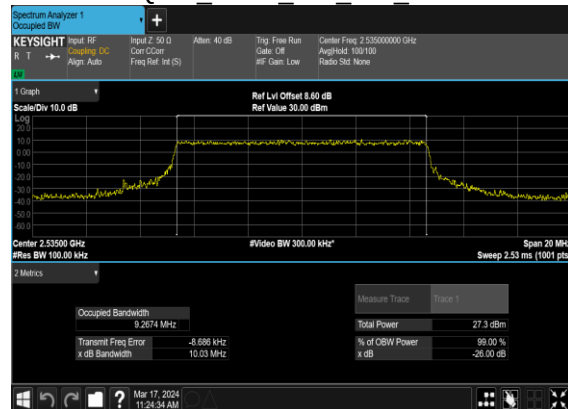
B2_N7(5M)_CP-OFDM_256
QAM Outer Full Mid CH



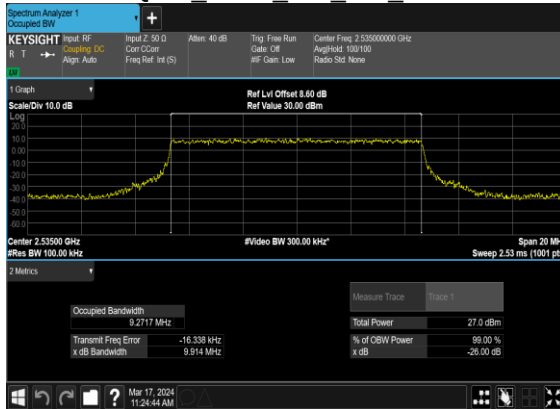
B2_N7(10M)_CP-
OFDM QPSK Outer Full Mid CH



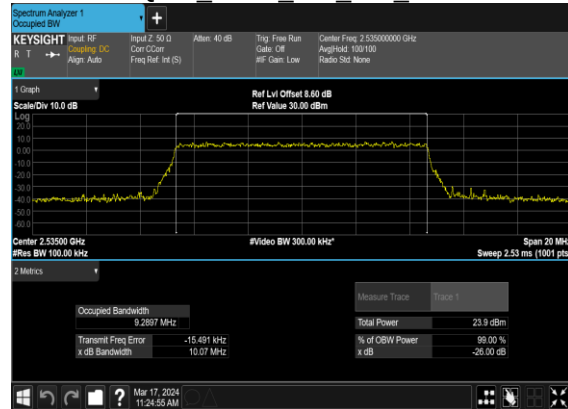
B2_N7(10M)_CP-OFDM_16
QAM Outer Full Mid CH



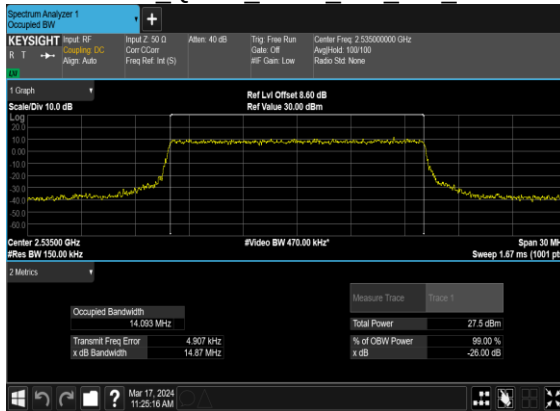
B2_N7(10M)_CP-OFDM_64
QAM Outer Full Mid CH



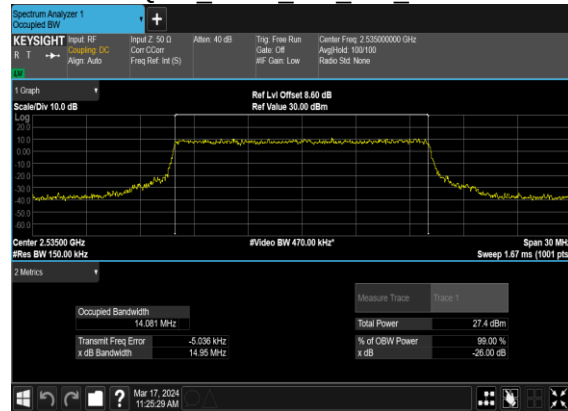
B2_N7(10M)_CP-OFDM_256
QAM Outer Full Mid CH



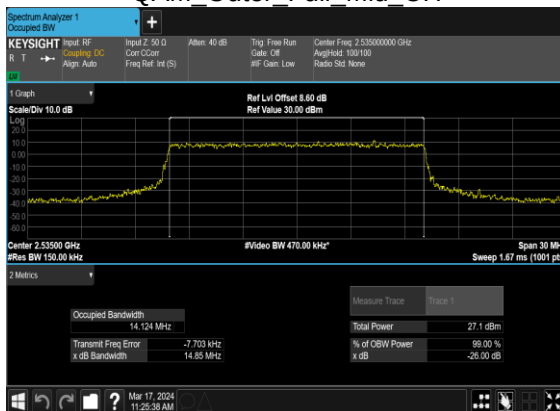
B2_N7(15M)_CP-OFDM_QPSK Outer Full Mid CH



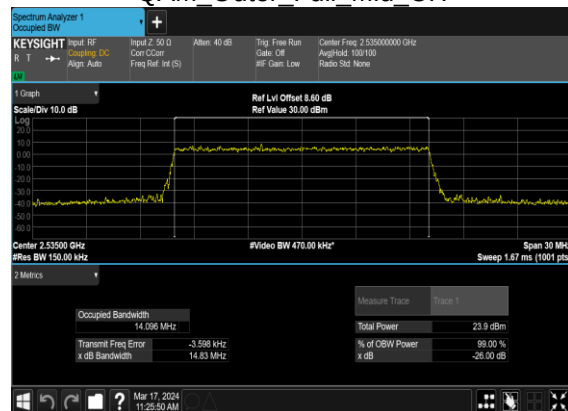
B2_N7(15M)_CP-OFDM_16
QAM Outer Full Mid CH



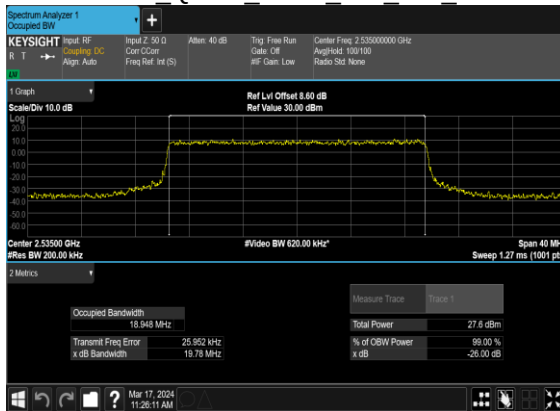
B2_N7(15M)_CP-OFDM_64
QAM Outer Full Mid CH



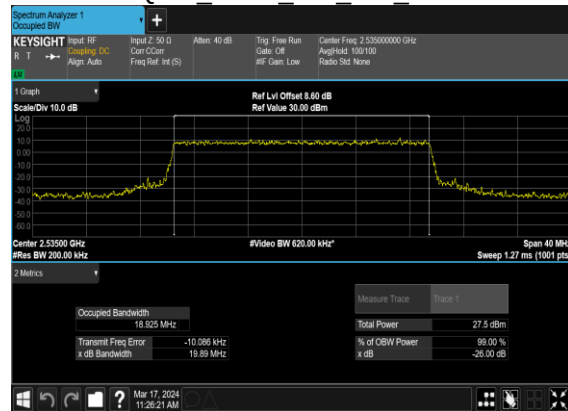
B2_N7(15M)_CP-OFDM_256
QAM Outer Full Mid CH



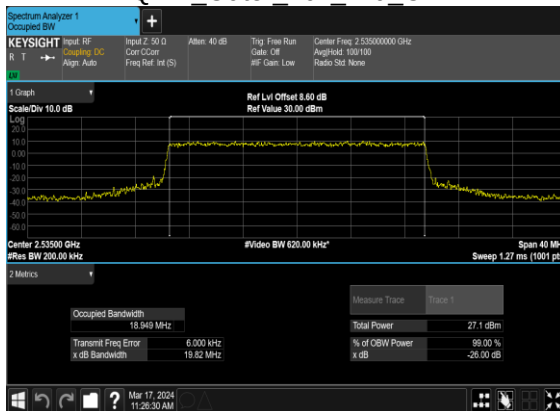
B2_N7(20M)_CP-
OFDM QPSK Outer Full Mid CH



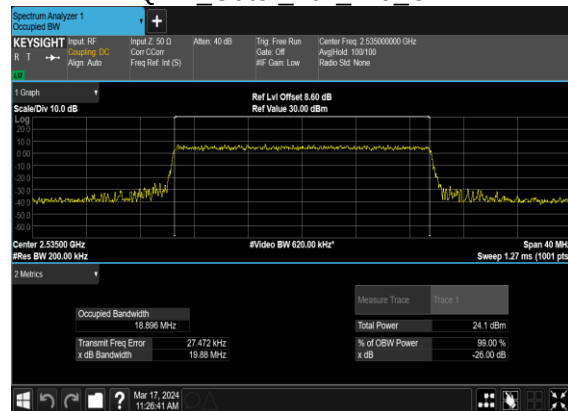
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QAM Outer Full Mid CH



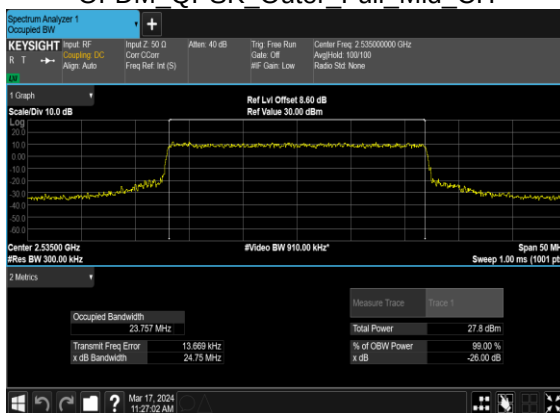
B2_N7(20M)_CP-OFDM_64
QAM Outer Full Mid CH



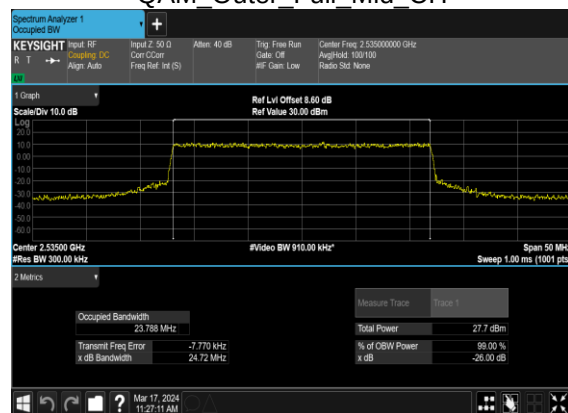
B2_N7(20M)_CP-OFDM_256
QAM Outer Full Mid CH



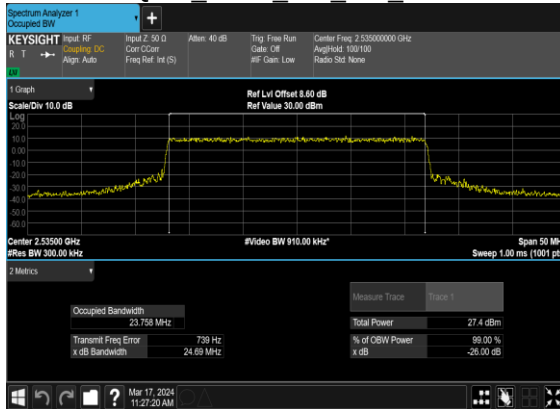
B2_N7(25M)_CP-
OFDM QPSK Outer Full Mid CH



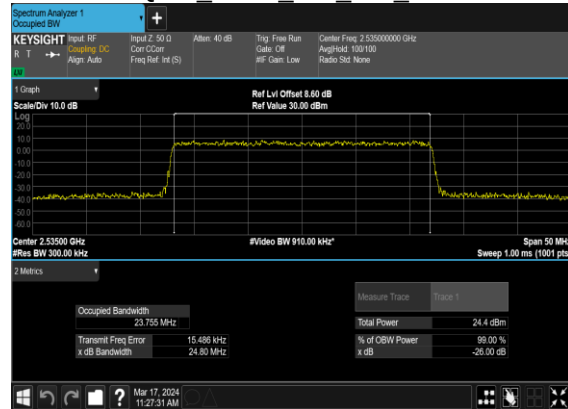
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QAM Outer Full Mid CH



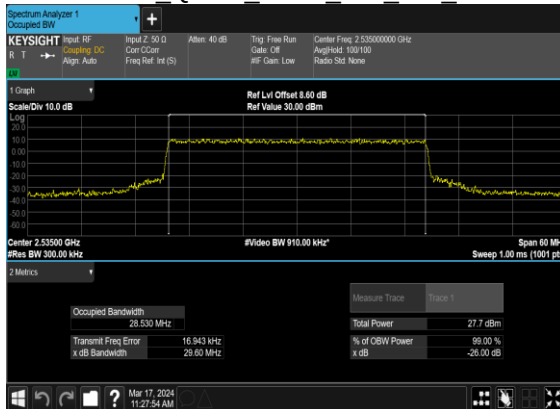
B2_N7(25M)_CP-OFDM_64
QAM Outer Full Mid CH



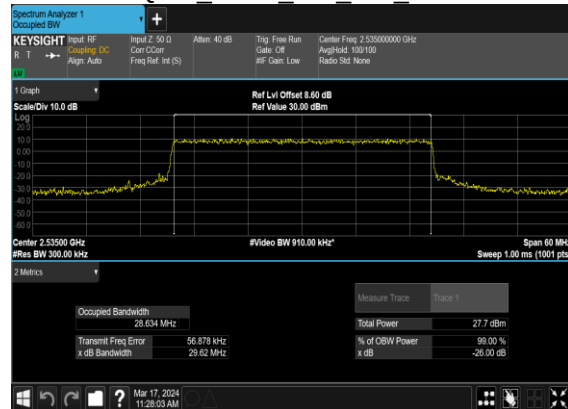
B2_N7(25M)_CP-OFDM_256
QAM Outer Full Mid CH



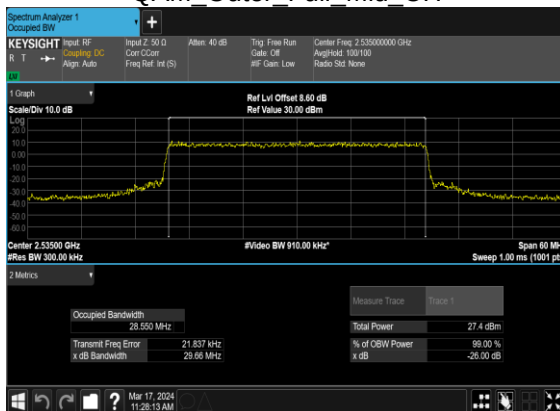
B2_N7(30M)_CP-OFDM_QPSK
Outer Full Mid CH



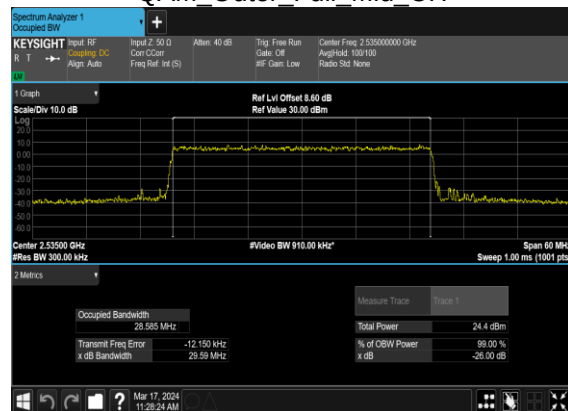
B2_N7(30M)_CP-OFDM_16
QAM Outer Full Mid CH



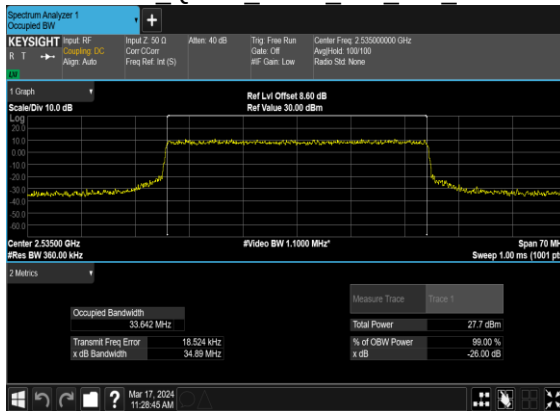
B2_N7(30M)_CP-OFDM_64
QAM Outer Full Mid CH



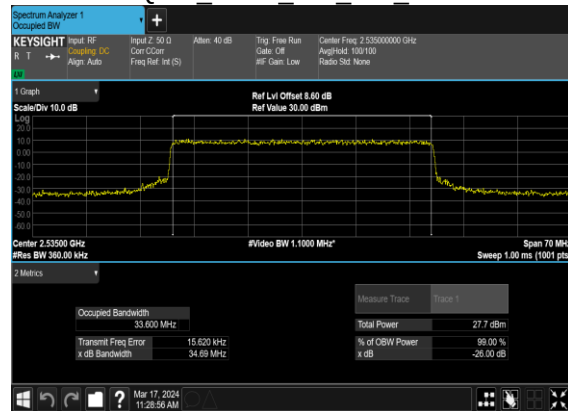
B2_N7(30M)_CP-OFDM_256
QAM Outer Full Mid CH



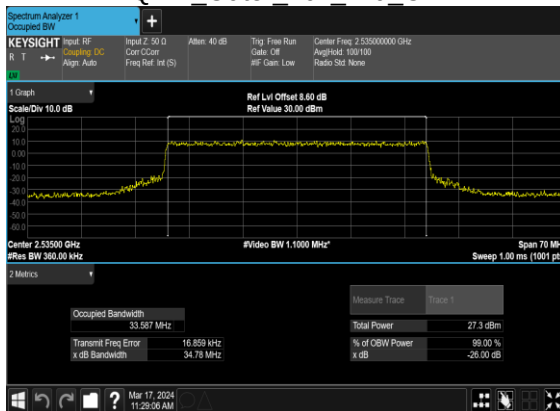
B2_N7(35M)_CP-
OFDM QPSK Outer Full Mid CH



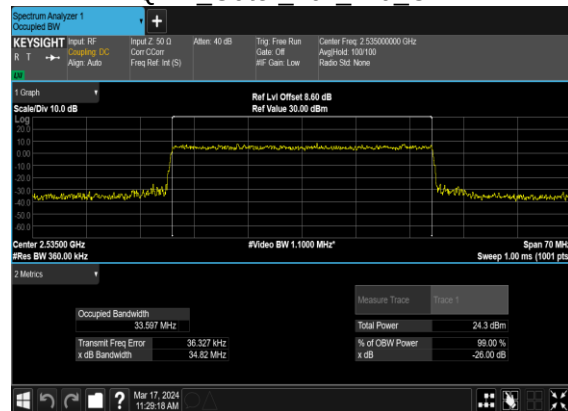
B2_N7(35M)_CP-OFDM_16
QAM Outer Full Mid CH



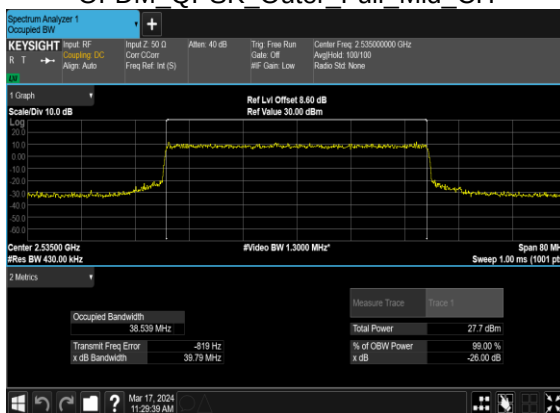
B2_N7(35M)_CP-OFDM_64
QAM Outer Full Mid CH



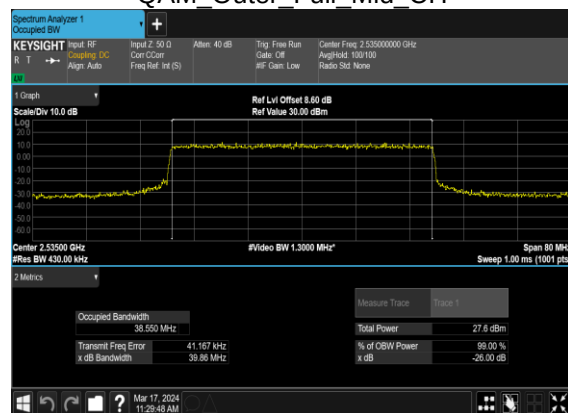
B2_N7(35M)_CP-OFDM_256
QAM Outer Full Mid CH



B2_N7(40M)_CP-
OFDM QPSK Outer Full Mid CH



B2_N7(40M)_CP-OFDM_16
QAM Outer Full Mid CH



B2_N7(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N7(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



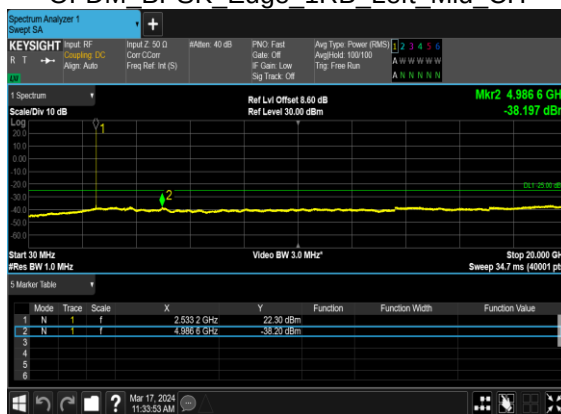
B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



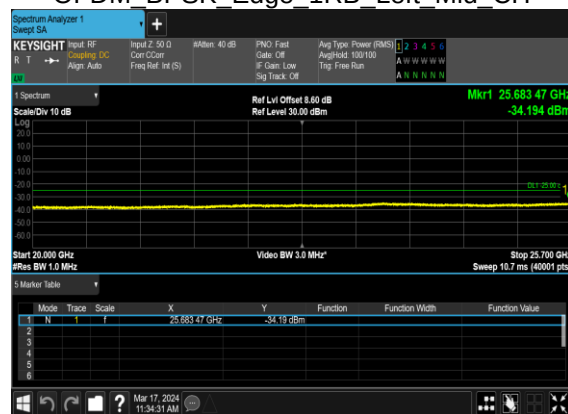
B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



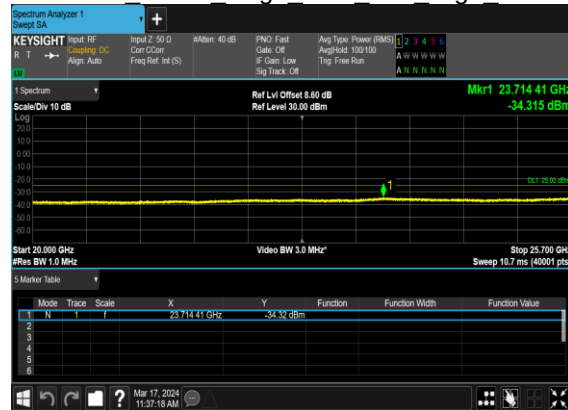
B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



B2_N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



B2_N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N7(20M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N7(20M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



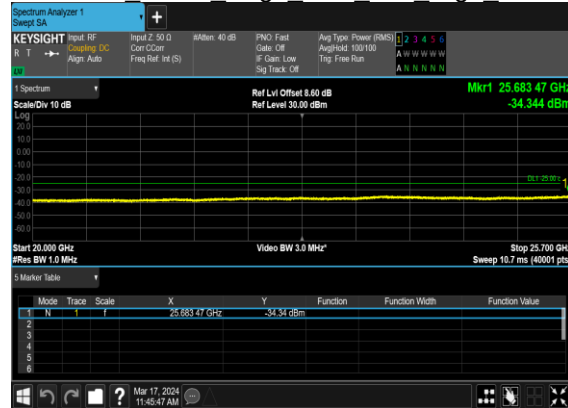
B2_N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



B2_N7(20M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



B2_N7(20M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



B2_N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



B2_N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



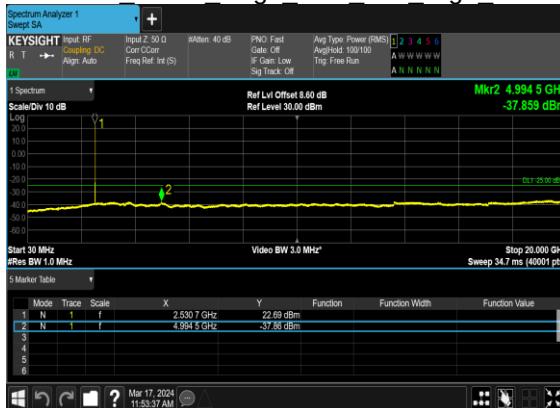
B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



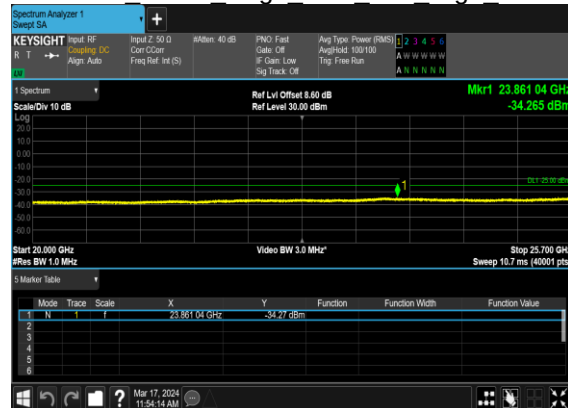
B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N7(40M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



B2_N7(40M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



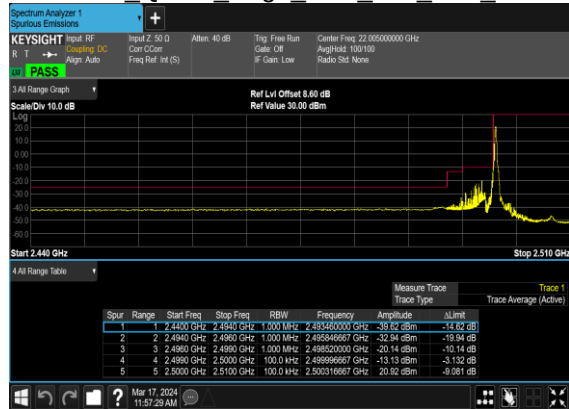
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

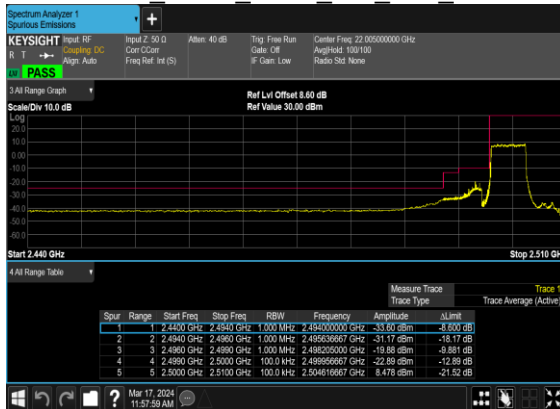
B2_N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



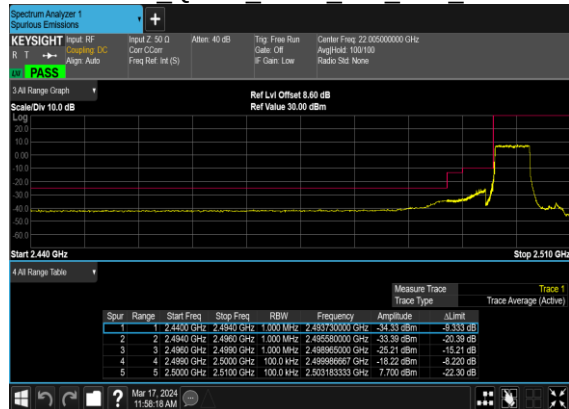
B2_N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



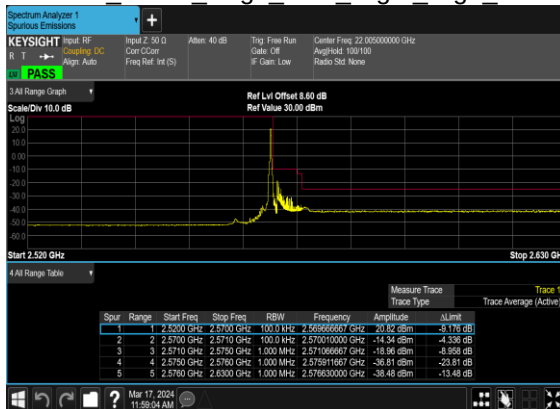
B2_N7(5M)_DFT-s-
OFDM BPSK Outer Full Low CH



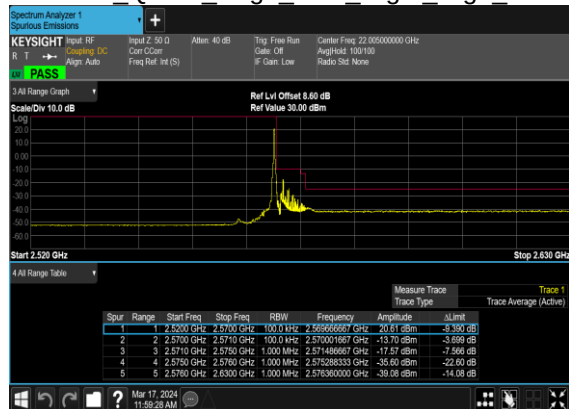
B2_N7(5M)_DFT-s-
OFDM QPSK Outer Full Low CH



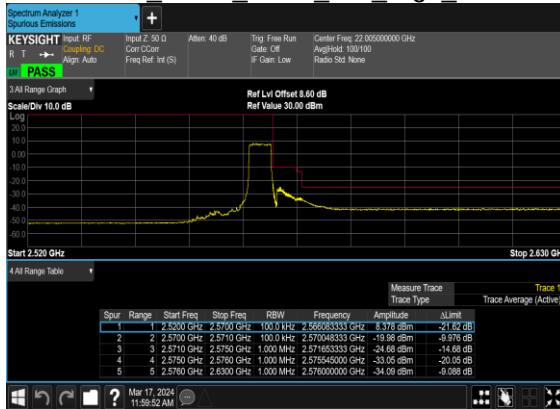
B2_N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Right High CH



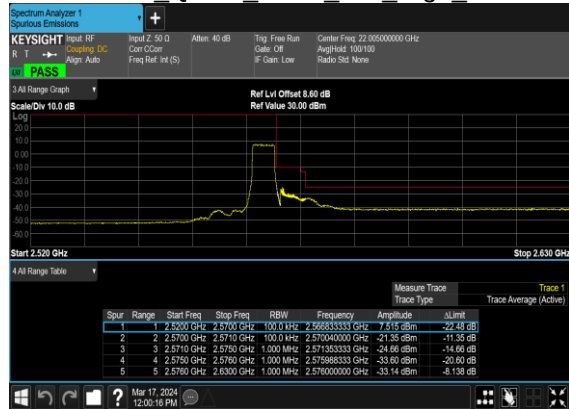
B2_N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



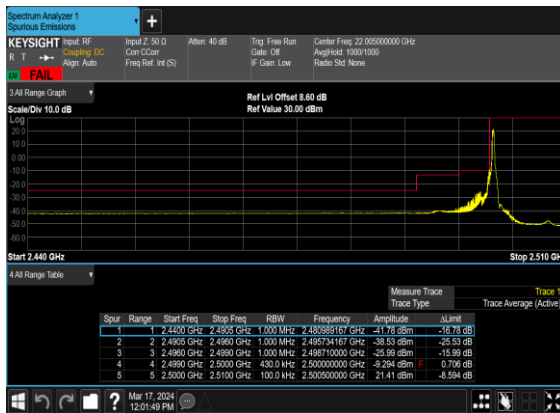
B2_N7(5M)_DFT-s-
OFDM BPSK Outer Full High CH



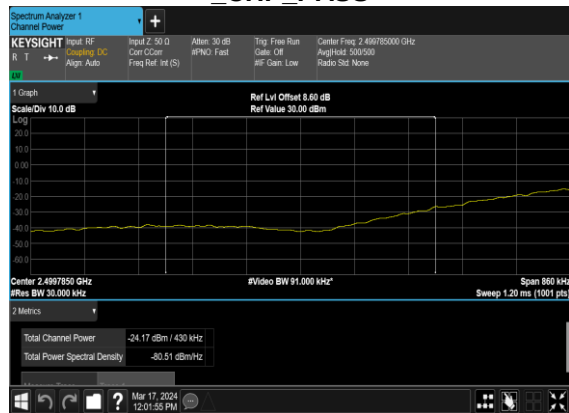
B2_N7(5M)_DFT-s-
OFDM QPSK Outer Full High CH



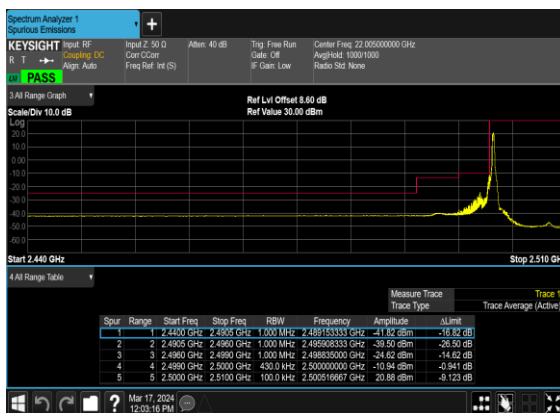
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



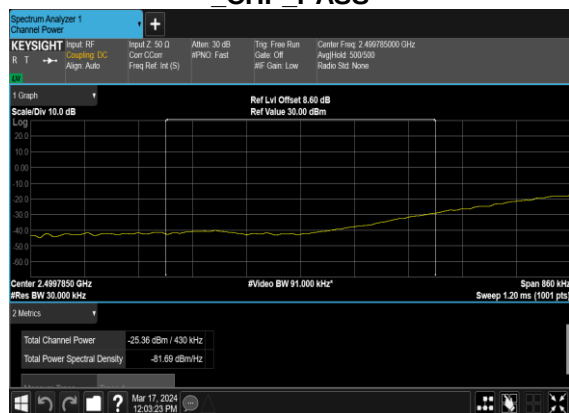
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH
CHP PASS



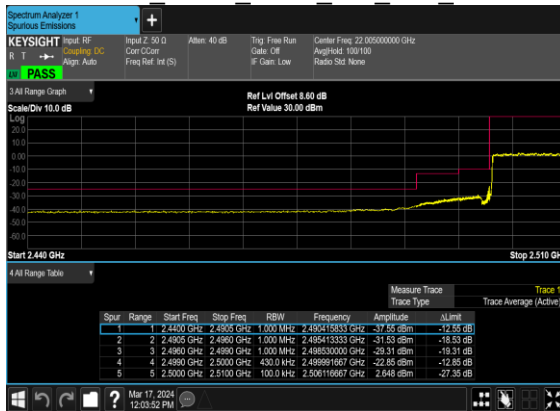
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



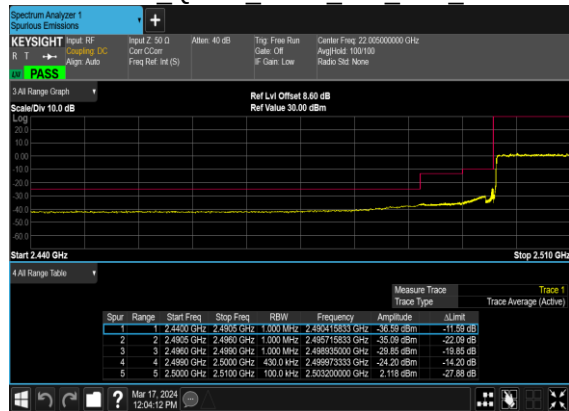
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH
CHP PASS



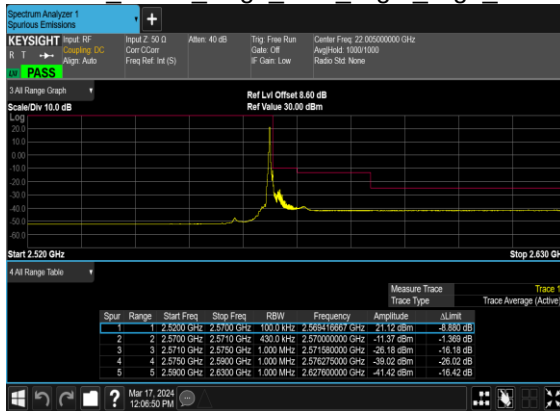
B2_N7(20M)_DFT-s-
OFDM BPSK Outer Full Low CH



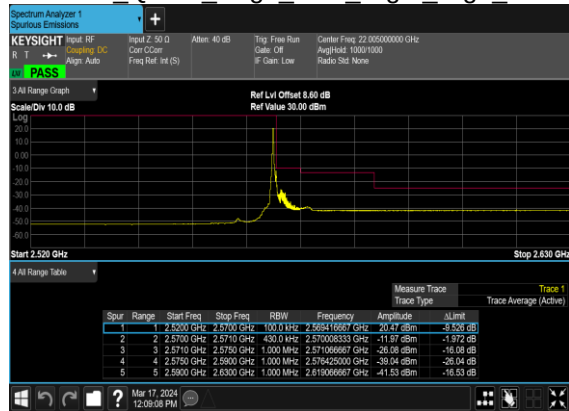
B2_N7(20M)_DFT-s-
OFDM QPSK Outer Full Low CH



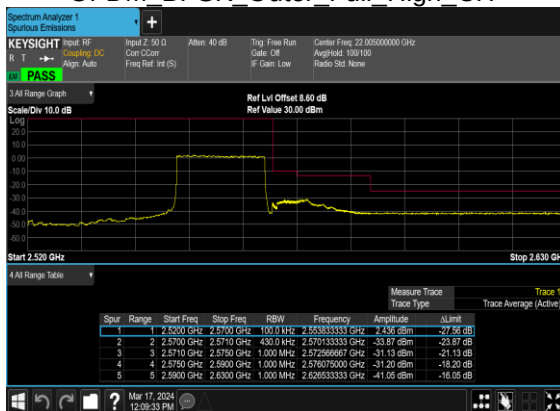
B2_N7(20M)_DFT-s-
OFDM BPSK Edge 1RB Right High CH



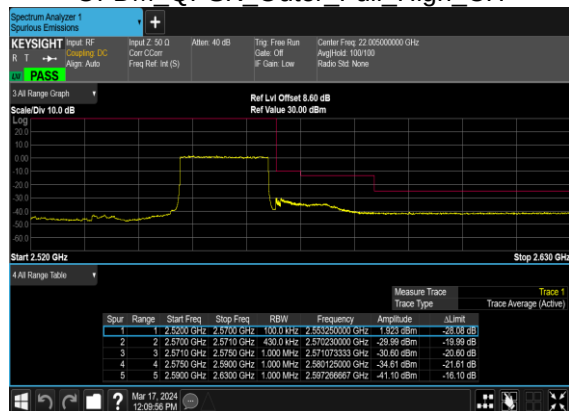
B2_N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



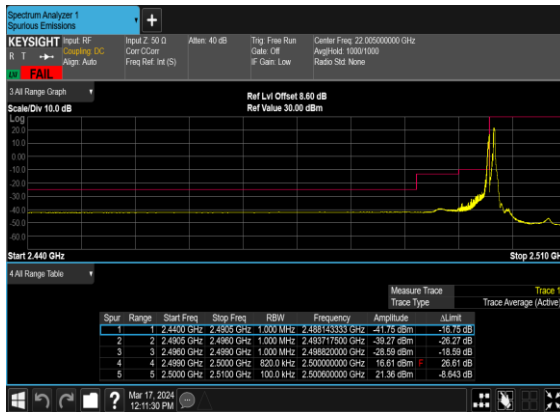
B2_N7(20M)_DFT-s-
OFDM BPSK Outer Full High CH



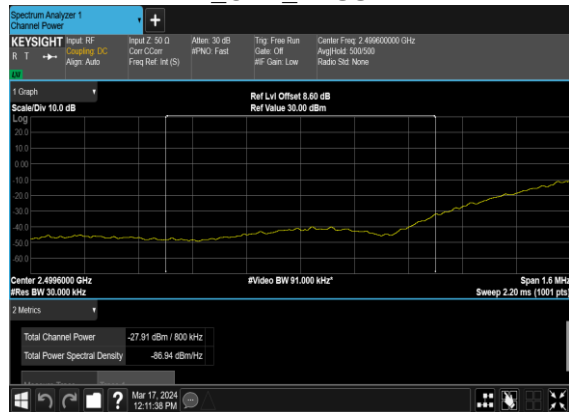
B2_N7(20M)_DFT-s-
OFDM QPSK Outer Full High CH



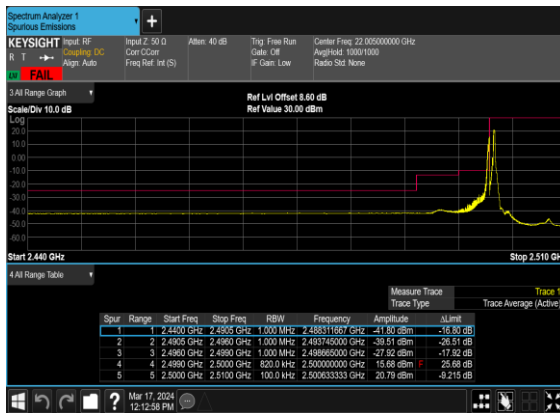
B2_N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



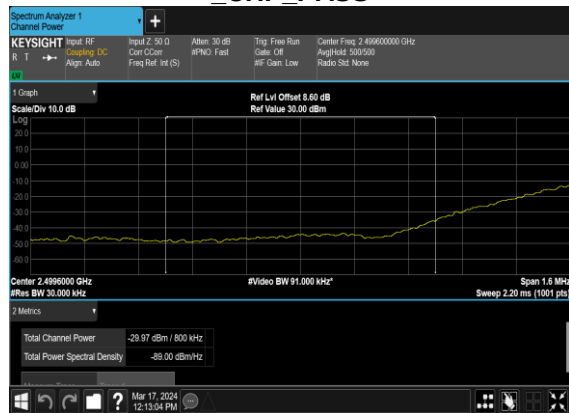
B2_N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH
_CHP_PASS



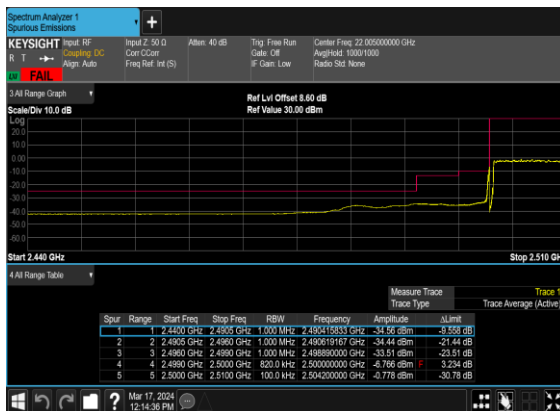
B2_N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



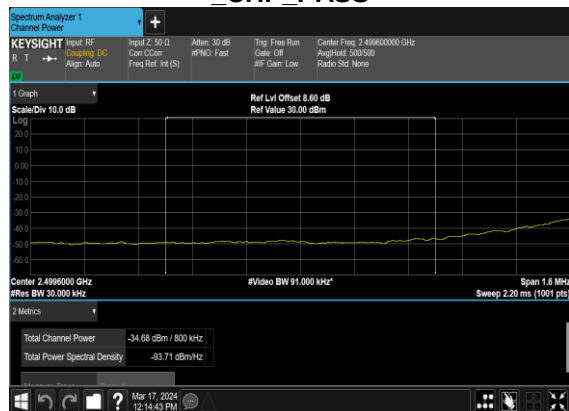
B2_N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH
_CHP_PASS



B2_N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B2_N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH
_CHP_PASS



Spectrum Analyzer 1

KEYSIGHT Input RF
R T → ← Coupling DC
Align Auto

Input Z: 50 Ω
Cen CCR
Freq Ref: Hz (S)

Attain: 40 dB

Trig Free Run
Gate Off
IF Gain: Low

Center Freq: 22.00000000 GHz
AgtHldf: 1000/100
Radio Std: None

3.48 Range Graph
Scale/Div: 10.0 dB
Log

Ref Lvl Offset: 8.60 dBm
Ref Value: 30.00 dBm

Start 2.440 GHz
Stop 2.510 GHz

All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	2	2.4500 GHz	2.4505 GHz	1.000 MHz	2.450500000 GHz	-35.18 dBm	-
2	2	2.4900 GHz	2.4960 GHz	1.000 MHz	2.495950000 GHz	-22.92 dBm	-
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498750000 GHz	-32.28 dBm	-
4	4	2.4990 GHz	2.5000 GHz	800.0 kHz	2.500000000 GHz	-27.73 dBm	-
5	5	2.5000 GHz	2.5100 GHz	100.0 kHz	2.506200000 GHz	-1.93 dBm	-

Measure Trace
Trace Type
Trace Average (Active)

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input RF **Measuring DC**
R T **Align Auto**

Input 2: 50.0
Corr C'or
Freq Ref: 10 (S)

Atten: 30.0 dB
#FNO: Fast

Trig: Free Run
Gate: Off
#F Gain: Low

Center Freq: 2.499600000 GHz
AvalHd: 500/500
Radio Stz: None

1 Graph
Scale/Div 16.0 dB
Log
Ref Lvl Offset 8.60 dB
Ref value 30.00 dBm

Center 2.4996000 GHz
#Res BW 30.00 kHz

#Video BW 91.000 kHz

Span 1.6 MHz
Sweep 2.20 ms (1001 pts)

2 Metrics

Total Channel Power	-33.37 dBm / 800 kHz
Total Power Spectral Density	-52.40 dBm/Hz

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Keysight Spectrum Analyzer 1
 Spectrum Emissions
 Input Ref: RF
 R T +
 Coupling DC
 Align: Auto
 Status: **FAIL**

Input Z: 50 Ω
 Corr: Corr
 Freq Ref: Int (S)
 Attain: 40 dB
 Trig Freq: Run
 Gate: Off
 F Gain: Low
 Center Freq: 22 005000000 GHz
 Avidhold: 1000/100
 Ratio Std: None

3.44 Range Graph
 Scale/Div: 10.0 dB
 Log
 30.00
 20.00
 10.00
 0.00
 -10.00
 -20.00
 -30.00
 -40.00
 -50.00
 -60.00

Ref Lvl Offset 5.60 dB
 Ref Value 30.00 dBm

Start 2.520 GHz
 Stop 2.630 GHz

3.44 Range Table
 Measure Trace
 Trace Type Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔUnit
1	2	2.5200 GHz	2.5700 GHz	100.0 kHz	2.569333333 GHz	-1.30 dBm	-3.688 dB
2	2	2.5700 GHz	2.5710 GHz	820.0 kHz	2.570000000 GHz	14.70 dBm	24.73 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571013333 GHz	-27.99 dBm	-17.89 dB
4	4	2.5750 GHz	2.6100 GHz	1.000 MHz	2.576108333 GHz	-36.94 dBm	-26.84 dB
5	5	2.6100 GHz	2.6300 GHz	1.000 MHz	2.626593333 GHz	-41.50 dBm	-31.50 dB

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Spectrum Analyzer 1
Channel Power

KEYSIGHT Input RF
R T $\leftrightarrow$ **Calculated DC**
Align Auto

Input 2: 50.0
Cen Corr
Freq Ref: Int (S)

Att'n: 30 dB
HPN/O: Fast

Trig: Free Run
Gate: Off
RF Gain: Low

Center Freq: 2.57040000 GHz
Arg/Hold: 500/500
Radio Sts: None

1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 8.69 dB
Ref Value 30.0 dBm

Center 2.5704000 GHz
#Res BW 30.000 kHz
#Video BW 91.000 MHz
Span 1.6 MHz
Sweep 2.20 ms (1001 pts)

2 Metrics

Total Channel Power	-27.49 dBm / 800 kHz
Total Power Spectral Density	-86.52 dBm/Hz

Mar 17, 2024
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Keysight Spectrum Analyzer 1
 Realtime Emissions

KEYSIGHT Input RF: **Imp** Span: 50.0 dB Center Freq: 22.00000000 GHz
 R T **Clipping DC** Corr Corr Freq Ref: Int (S) Trig Free Run Gate: Off Avg Hold: 1000.000
FAIL Align Auto R Gen: Low Radio Std: None

3.44 Range Graph
 Scale/Div: 10.0 dB
 Log
 Ref Lvl Offset: 8.60 dB
 Ref Value: 30.00 dBm

Start: 2.520 GHz Stop: 2.630 GHz

4 All Range Table

		Measure Trace		Trace Type		Trace Average (Active)	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	2	2.5200 GHz	2.5700 GHz	100.0 kHz	2.569333333 GHz	-76.90 dBm	-8.900 dB
2	2	2.5700 GHz	2.5710 GHz	800.0 kHz	2.570000000 GHz	-14.50 dBm	-24.50 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571546667 GHz	-27.73 dBm	-17.73 dB
4	4	2.5750 GHz	2.6100 GHz	1.000 MHz	2.576000000 GHz	-40.00 dBm	-27.00 dB
5	5	2.6100 GHz	2.6300 GHz	1.000 MHz	2.621000000 GHz	-11.50 dBm	-16.50 dB

Spectrum Analyzer 1

Channel Power

Keysight

Input RF

Coupling DC

Span 1

R 1

Align Auto

Input 2: 50.0

Corr CCor

Freq Ref: Int (S)

Att'n: 30.0 dB

IFNO: Fast

Trig: Free Run

Gate: Off

RF Gain: Low

Center Freq: 2.570400000 GHz

Arg/Hold: 500/500

Radio Std: None

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 8.60 dB

Ref value 30.00 dBm

Center 2.5704000 GHz

#Res BW 30.000 kHz

#Video BW 91.000 kHz

Span 1.6 MHz

Sweep 2.20 ms (1001 pts)

2 Metrics

Total Channel Power

-28.45 dBm / 800 kHz

Total Power Spectral Density

-57.48 dBm/Hz

Mar 17, 2014

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