

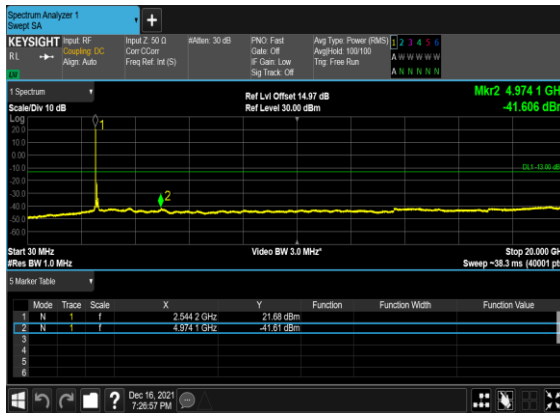
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



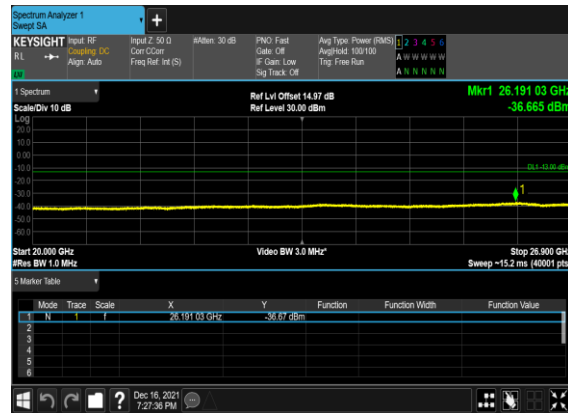
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



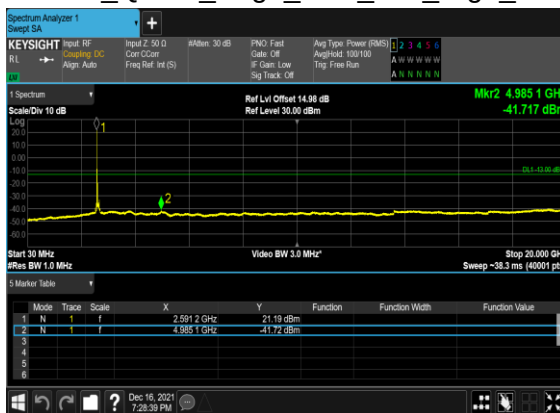
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



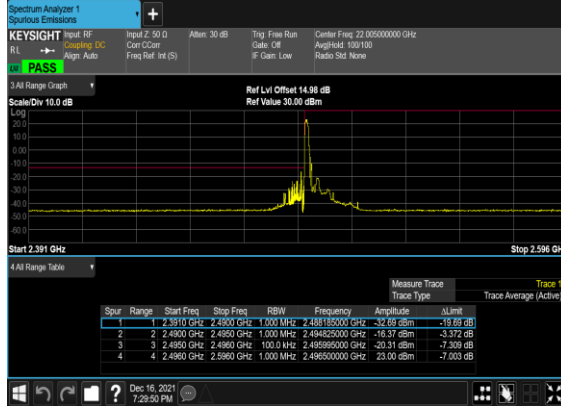
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	CP-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	133@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	133@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	273@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	273@0	see graph	PASS

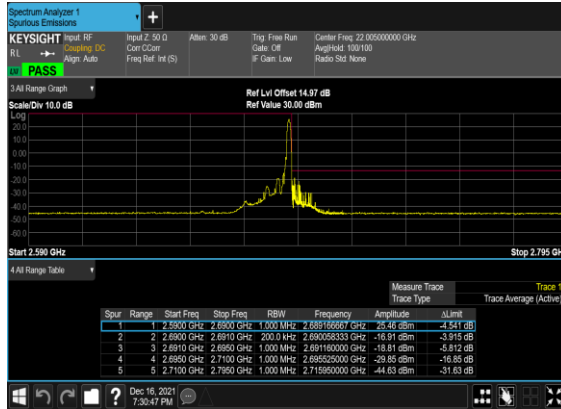
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



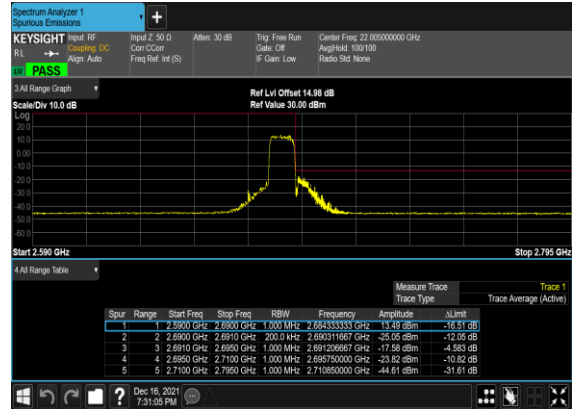
N41(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



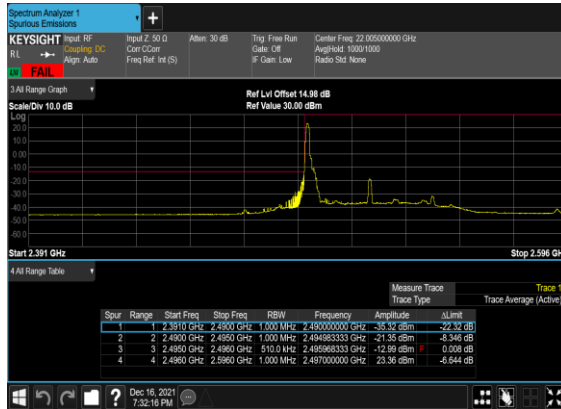
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



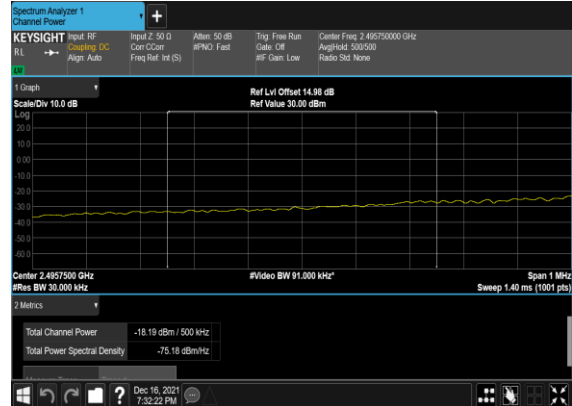
N41(10M)_CP- OFDM_QPSK_Outer_Full_High_CH



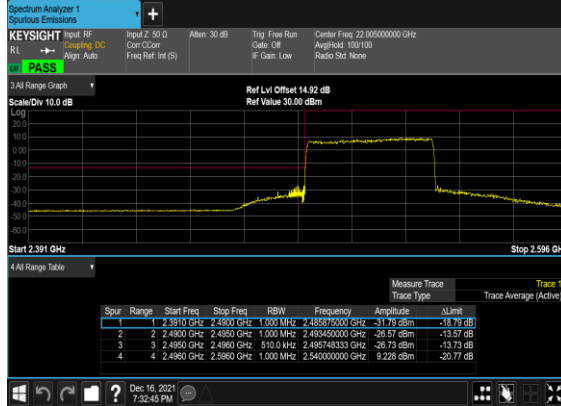
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



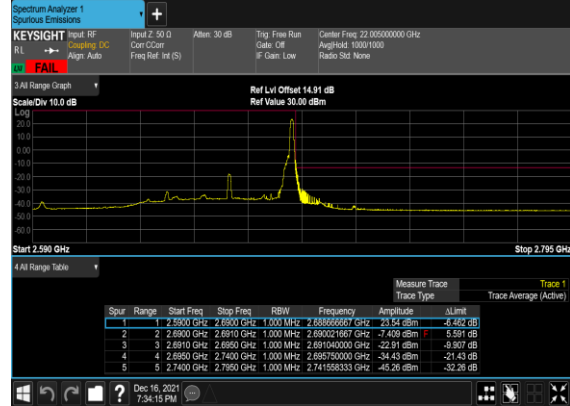
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP _PASS



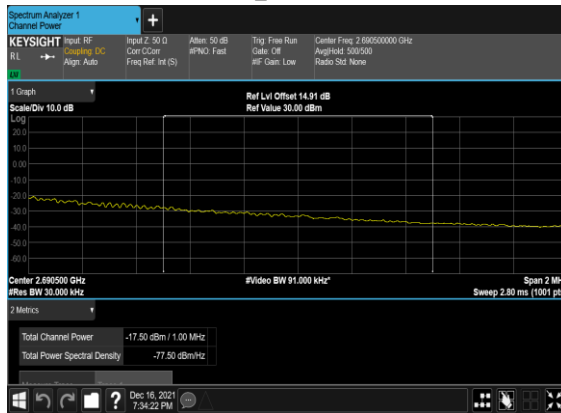
N41(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



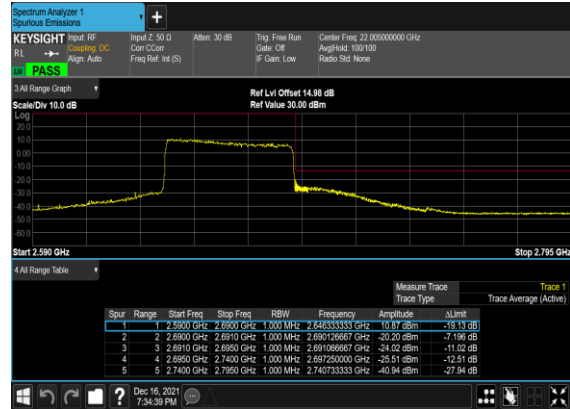
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



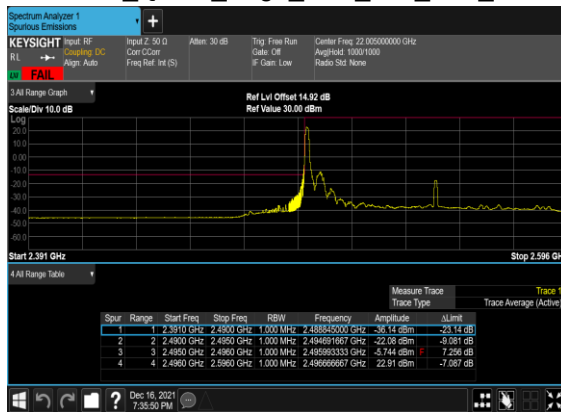
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH_chp _PASS



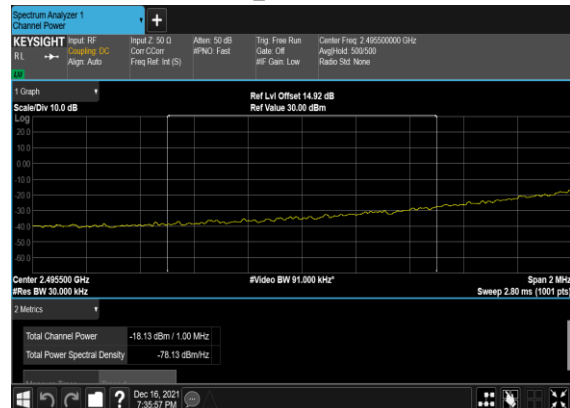
N41(50M)_CP- OFDM_QPSK_Outer_Full_High_CH



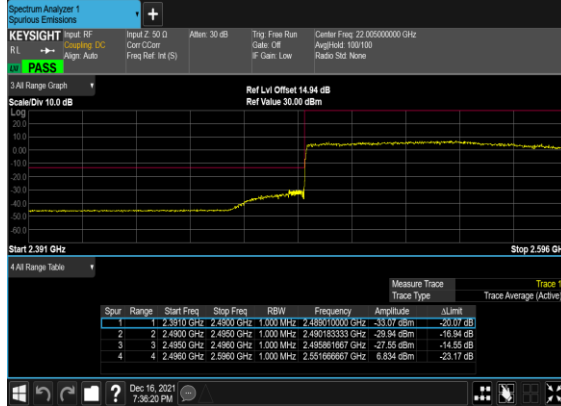
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



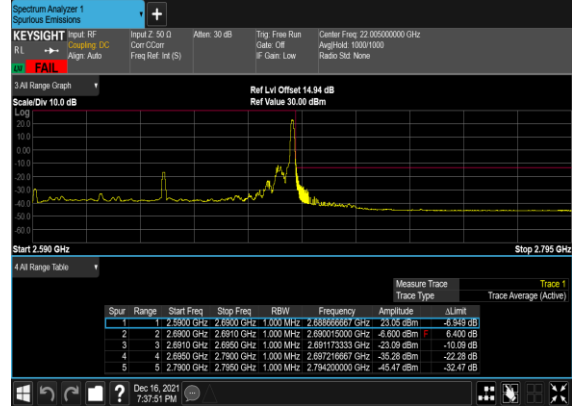
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_chp _PASS



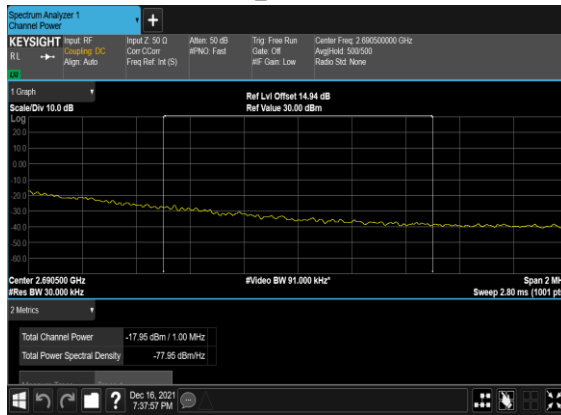
N41(100M)_CP- OFDM_QPSK_Outer_Full_Low_CH



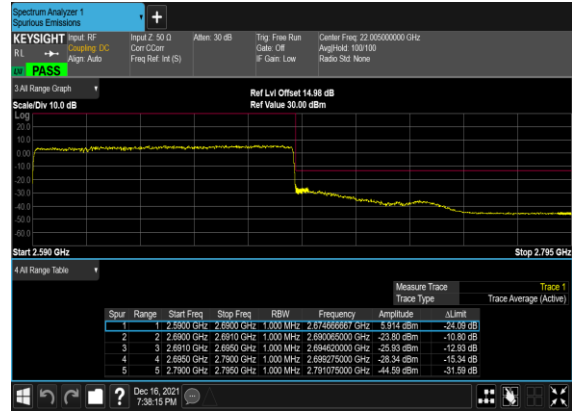
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH_CHP _PASS



N41(100M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N41(MIMO ANT6) – SCS 30kHz

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0353	PASS	NV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0386	PASS	LV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0426	PASS	HV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0691	PASS	-30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0231	PASS	-20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0209	PASS	-10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0576	PASS	0°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0231	PASS	10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0584	PASS	20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0477	PASS	30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0545	PASS	40°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.0547	PASS	50°C

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	501204	2506.02	CP-OFDM QPSK	51@0	10.9	13	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	10.59	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	11.13	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	11.33	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	51@0	11.25	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	10.85	13	PASS

N41(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



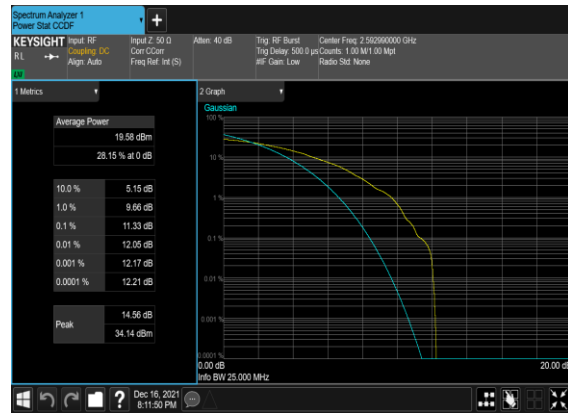
N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N41(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

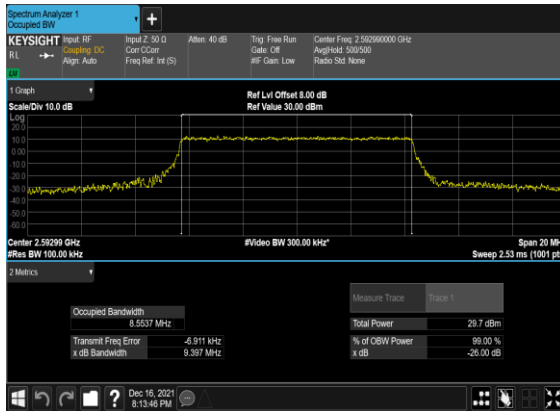


Occupied Bandwidth

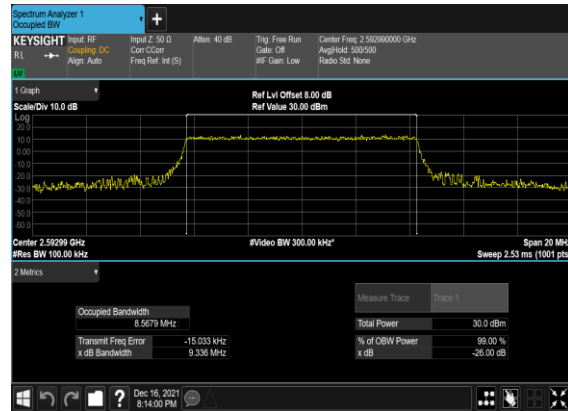
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5537	9.397
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5679	9.336
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5654	9.268
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5674	9.34
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.552	14.47
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.559	14.41
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.584	14.54
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.572	14.44
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.193	19.24
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.16	19.28
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.154	19.21
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.162	19.21
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.812	39.41
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.854	39.7
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.851	39.55
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.861	39.52
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.53	49.72
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.504	49.5
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.59	49.45
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.507	49.54
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.82	59.75
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.754	59.84
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.871	60.11

41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.936	59.82
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.613	80.24
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.667	79.99
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.63	79.96
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.455	80.06
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.527	90.28
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.59	90.34
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.559	90.28
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.721	90.26
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.394	100.6
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.508	100.6
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.546	100.5
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.662	100.6

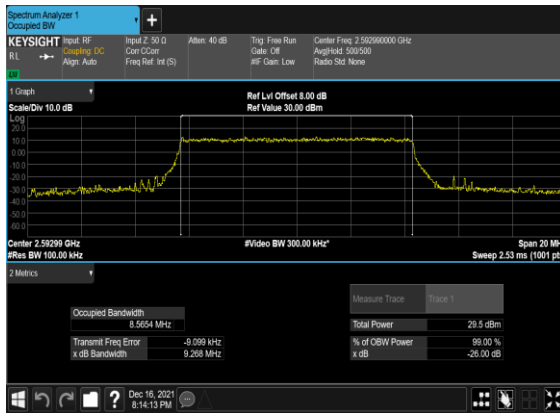
N41(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



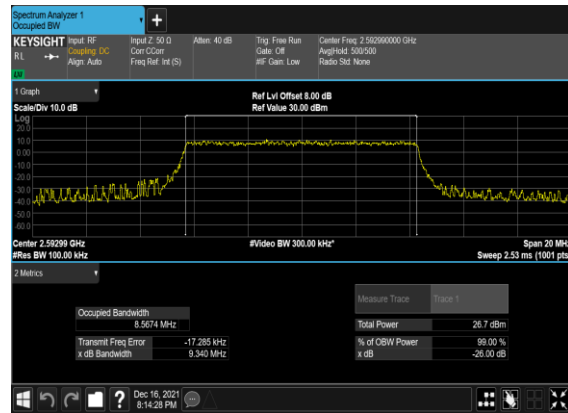
N41(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



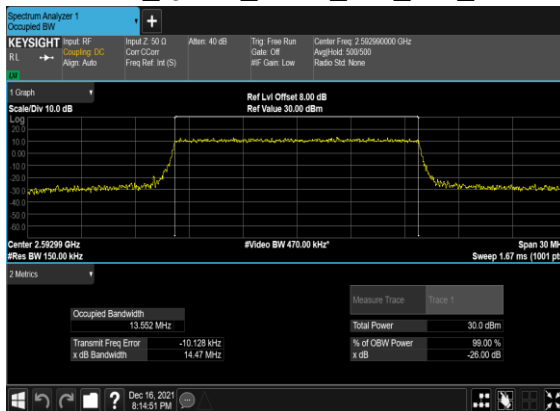
N41(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



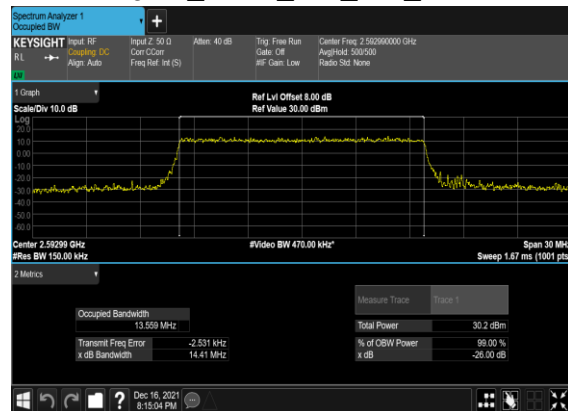
N41(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



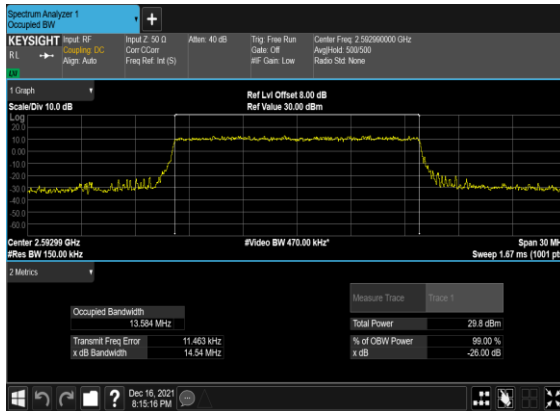
N41(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



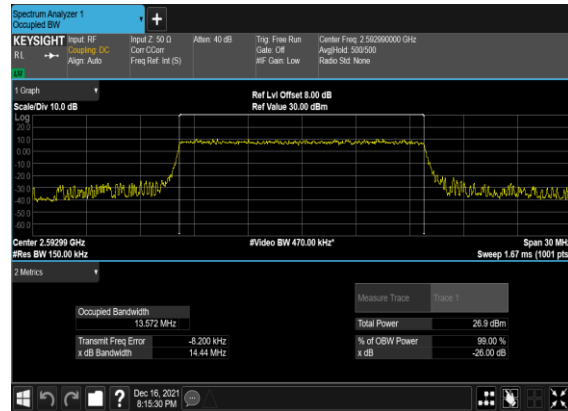
N41(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



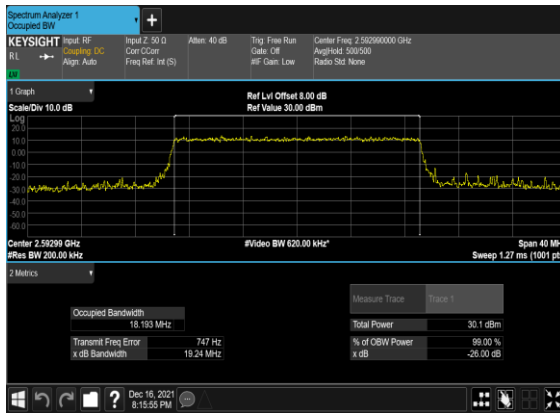
N41(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



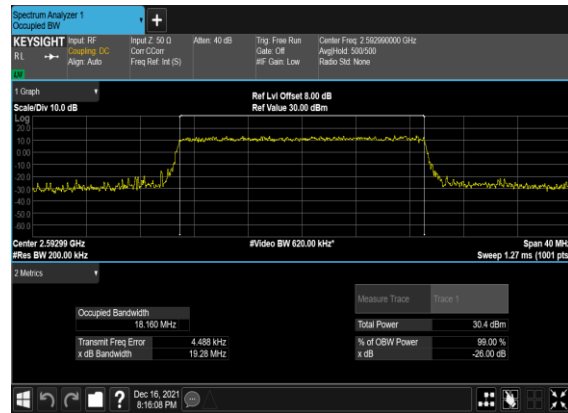
N41(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



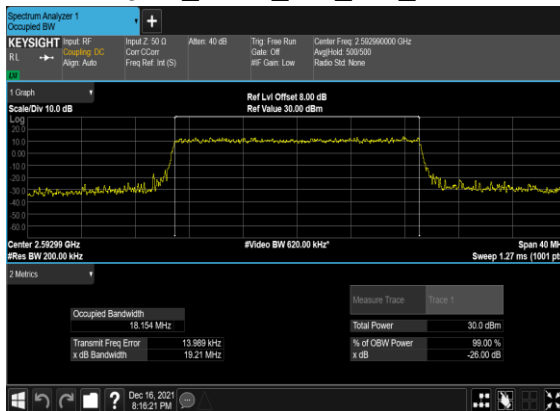
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



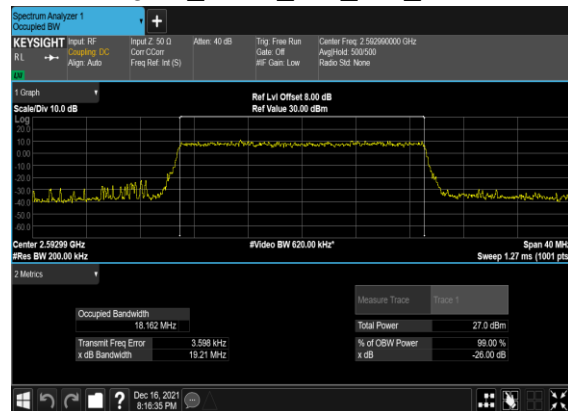
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



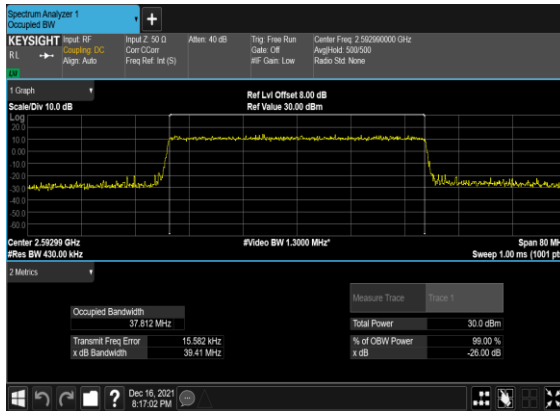
N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



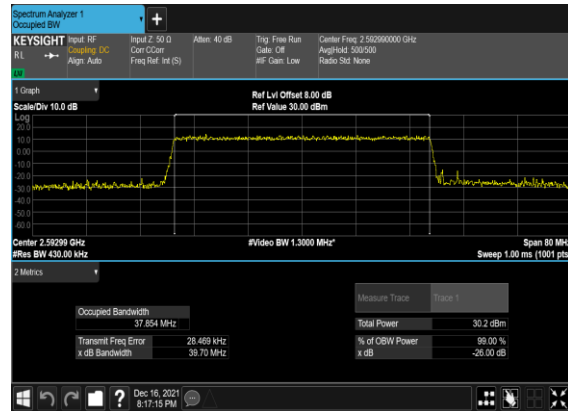
N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



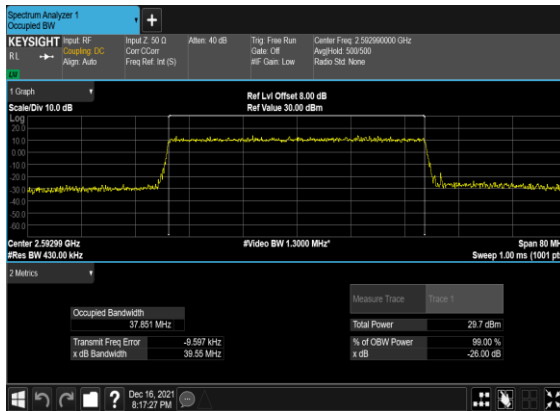
N41(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



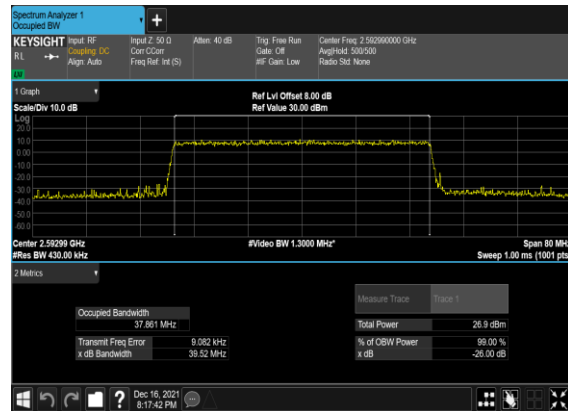
N41(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



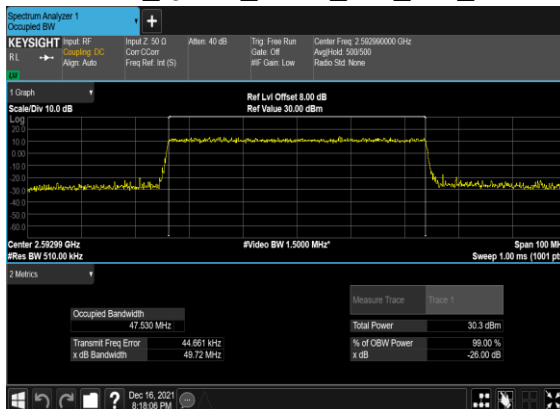
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QAM_Outer_Full_Mid_CH



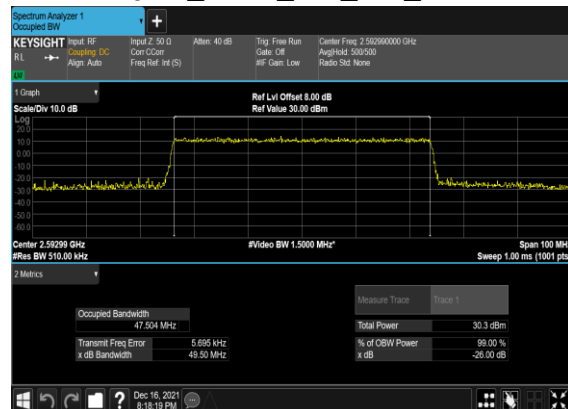
N41(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



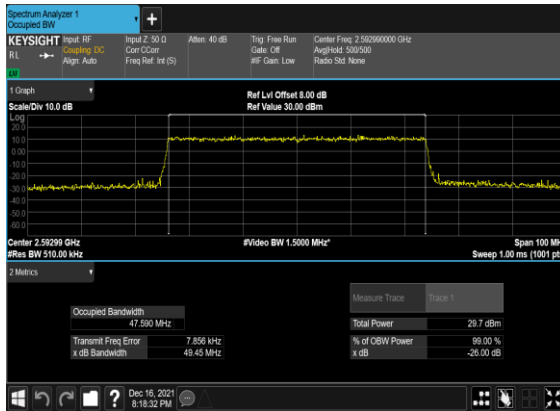
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



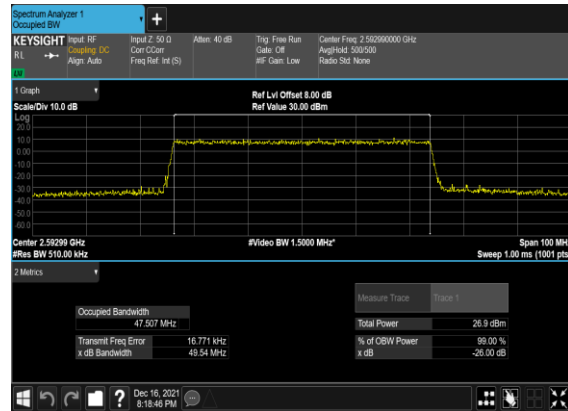
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QAM_Outer_Full_Mid_CH



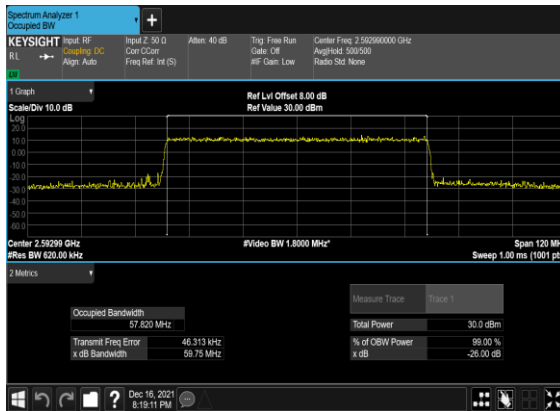
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QAM_Outer_Full_Mid_CH



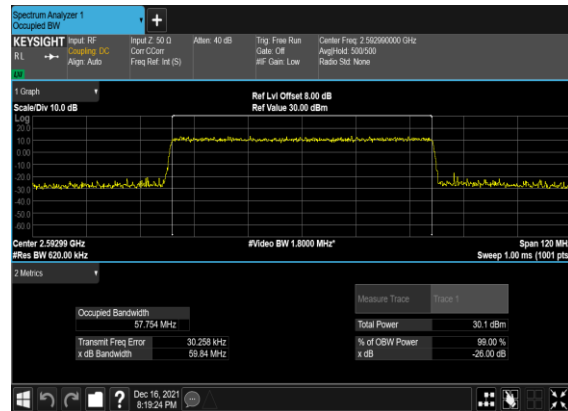
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QAM_Outer_Full_Mid_CH



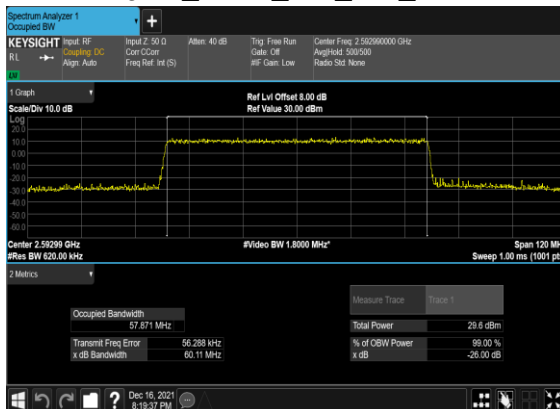
N41(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



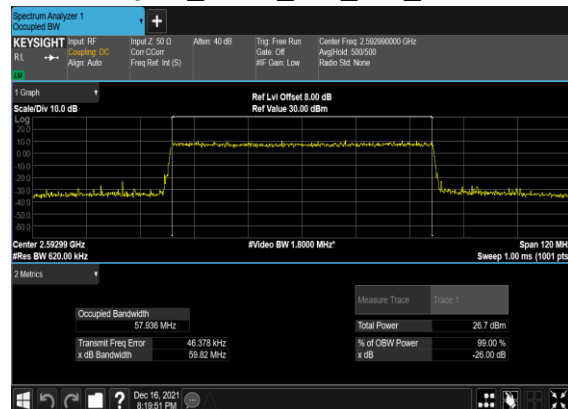
N41(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



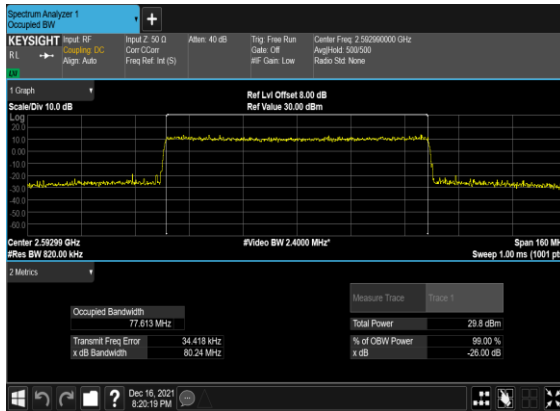
N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



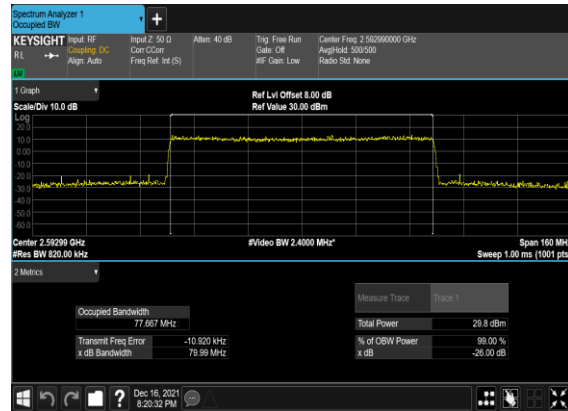
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QAM_Outer_Full_Mid_CH



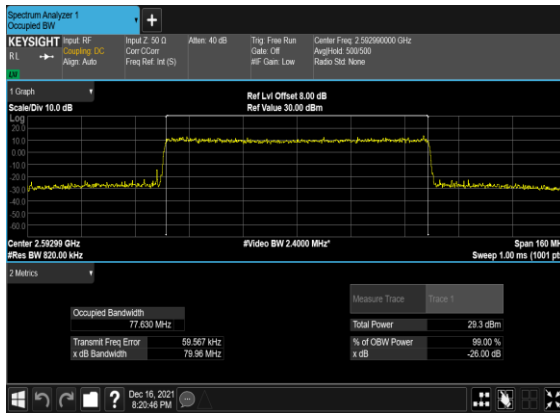
N41(80M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



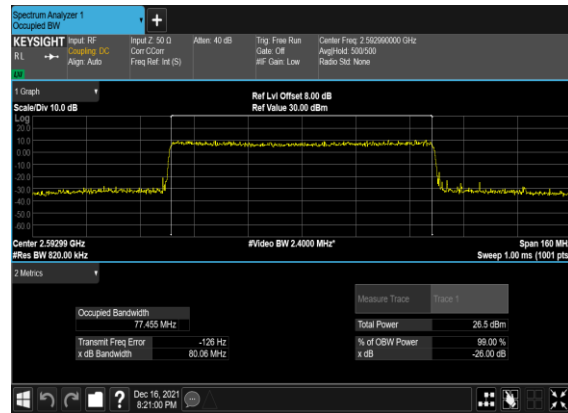
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



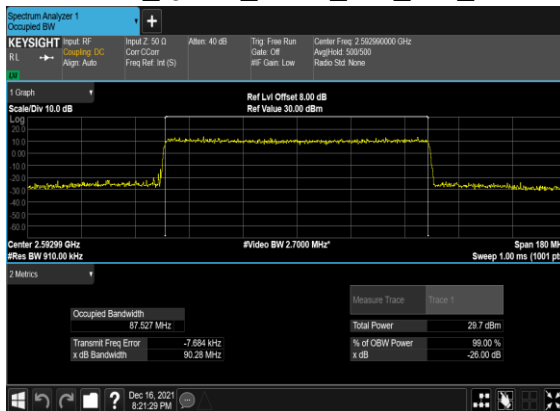
N41(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



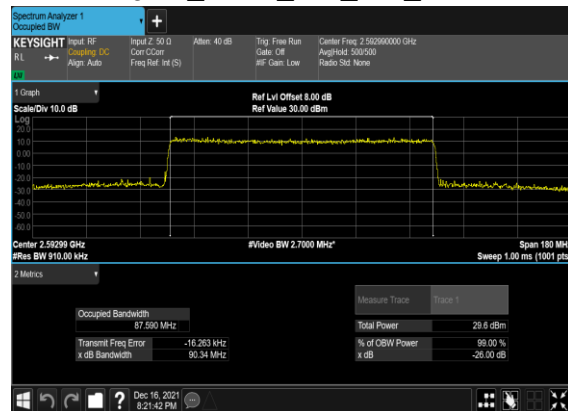
N41(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



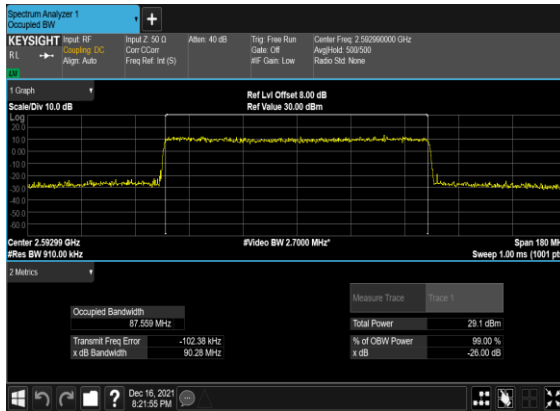
N41(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



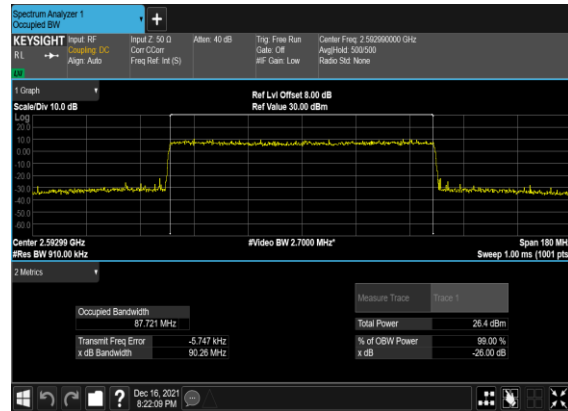
N41(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



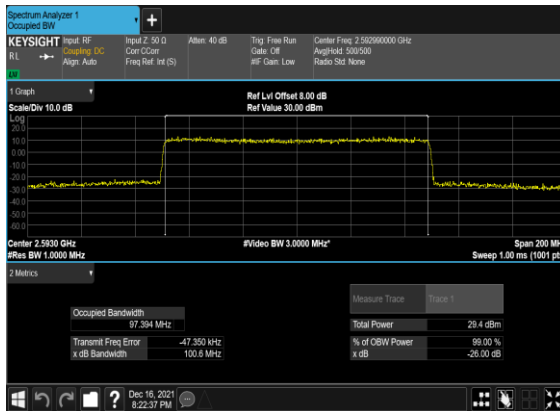
N41(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



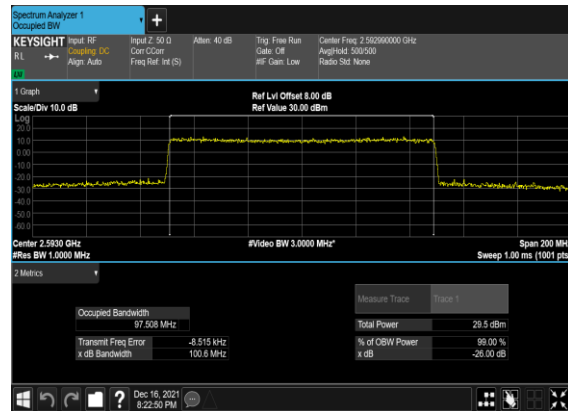
N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



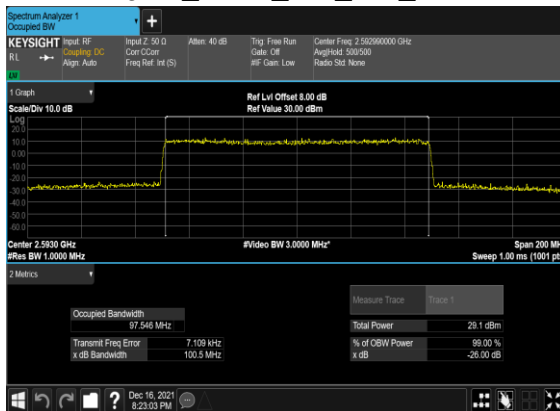
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



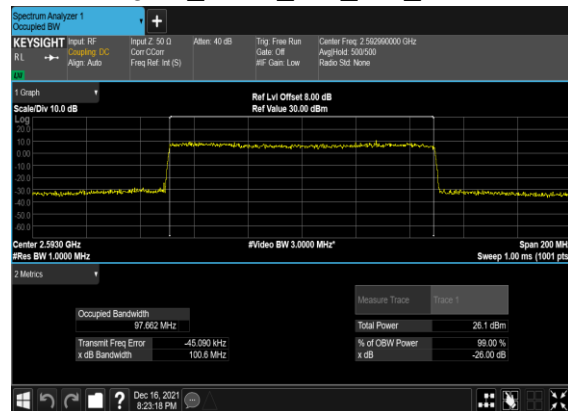
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

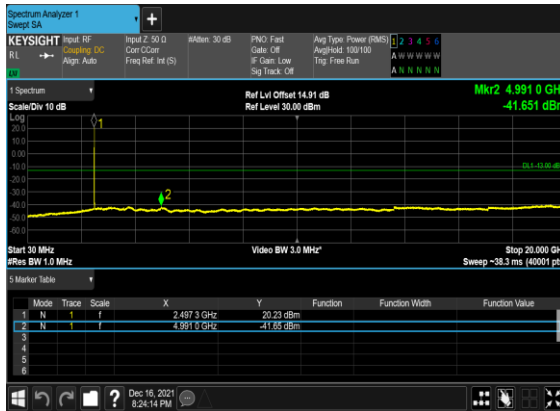


Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	---
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	---
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	---
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	---

41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@0	see graph	PASS

N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



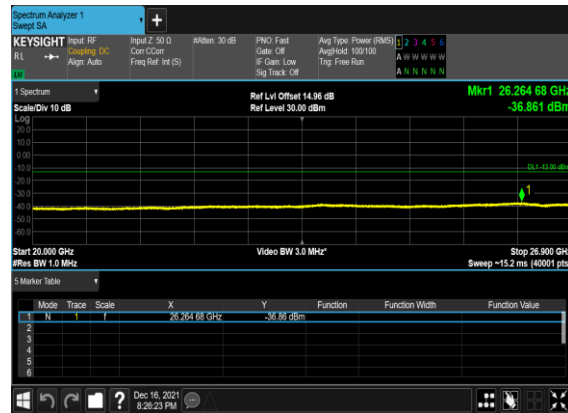
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



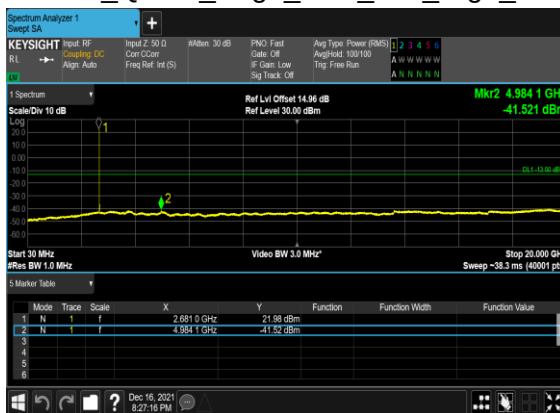
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



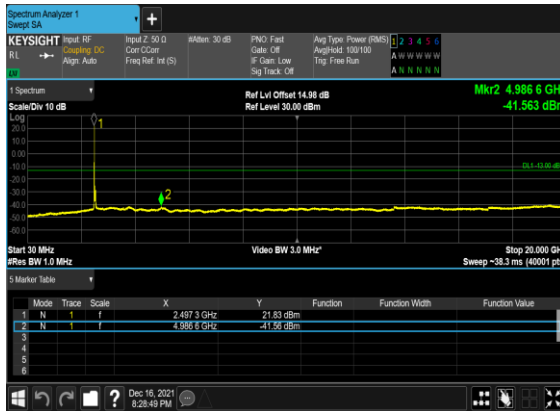
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



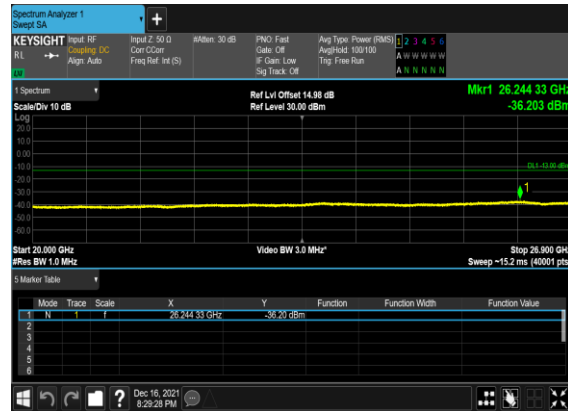
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



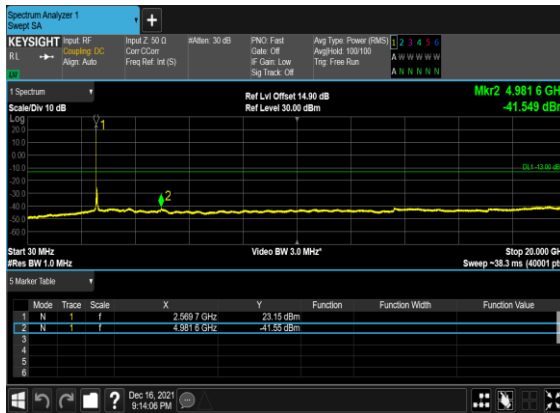
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



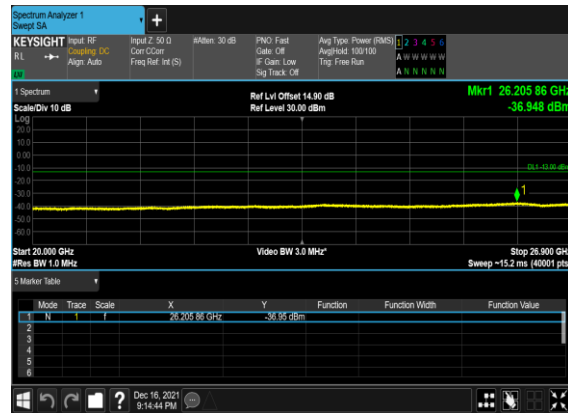
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



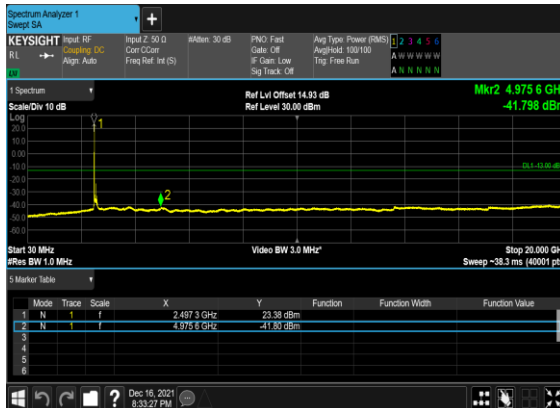
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



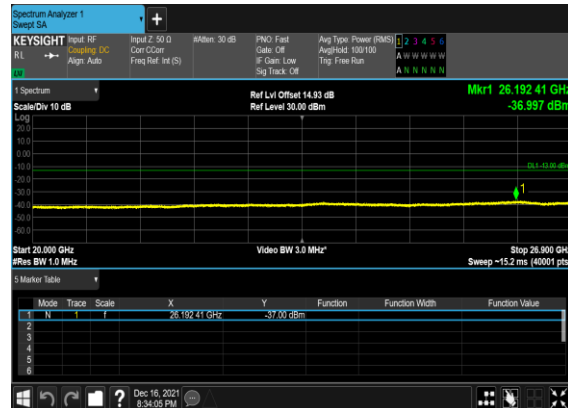
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



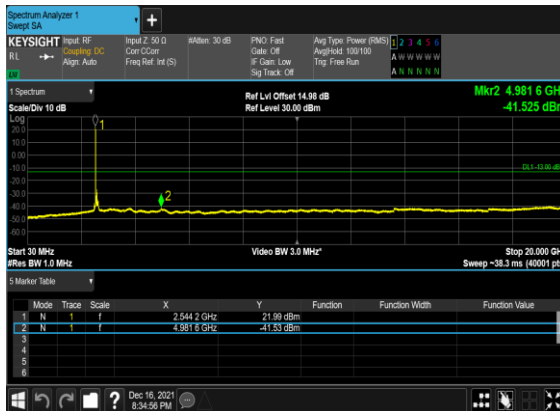
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



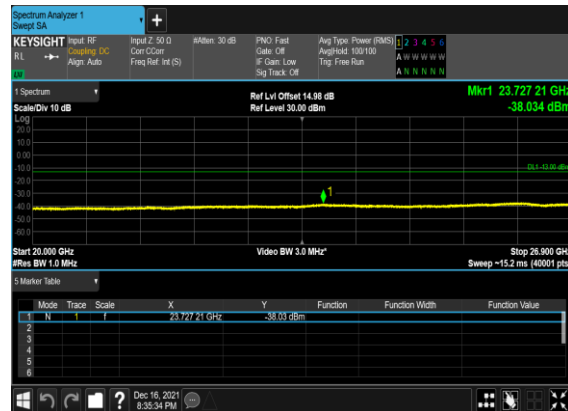
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



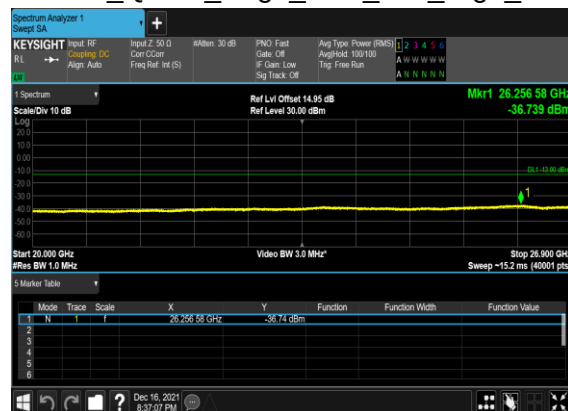
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



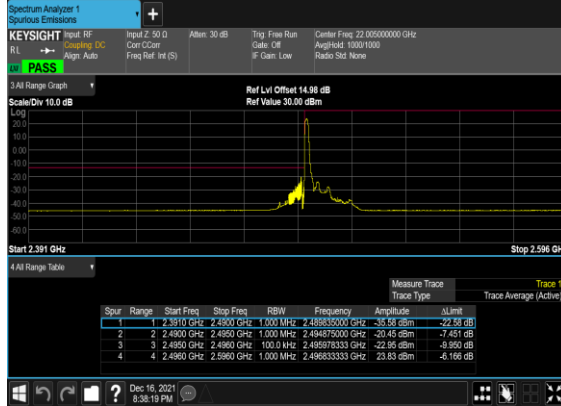
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



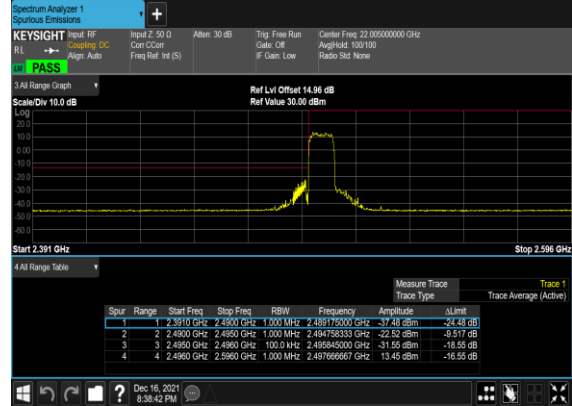
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	CP-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	CP-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	CP-OFDM QPSK	133@0	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	CP-OFDM QPSK	133@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	CP-OFDM QPSK	273@0	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	CP-OFDM QPSK	273@0	see graph	PASS

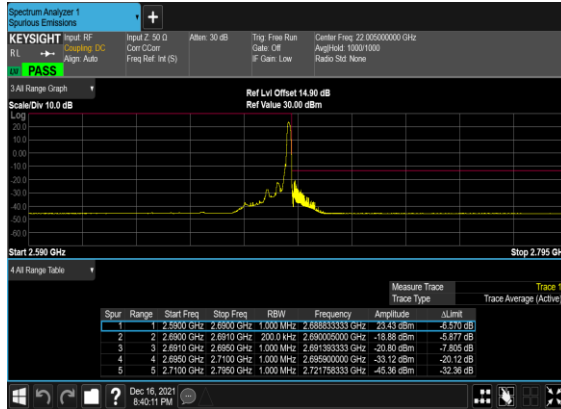
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



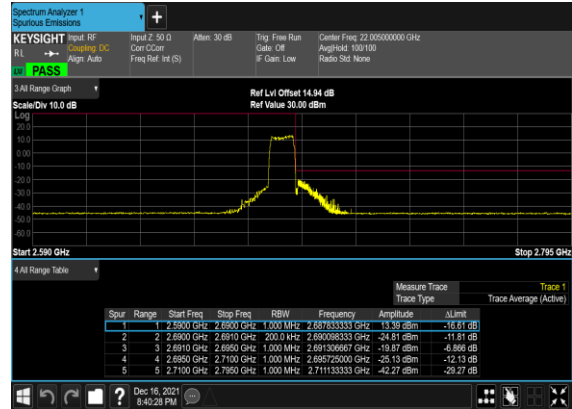
N41(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



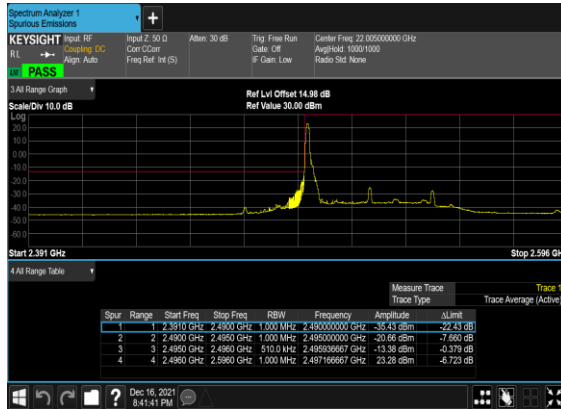
N41(10M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



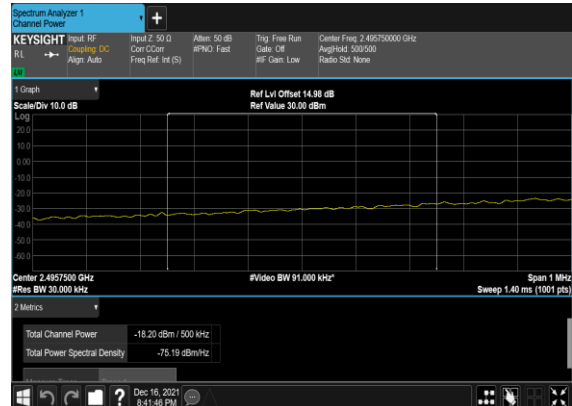
N41(10M)_CP- OFDM_QPSK_Outer_Full_High_CH



N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



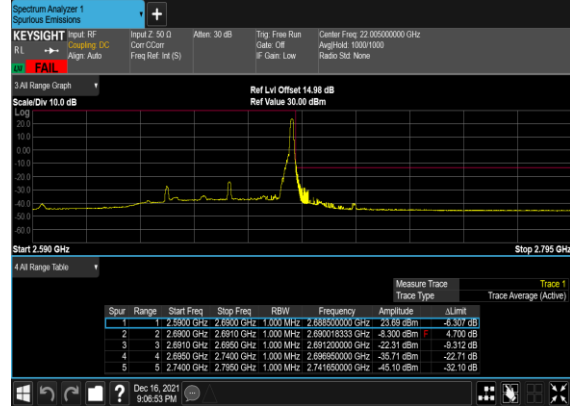
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP _PASS



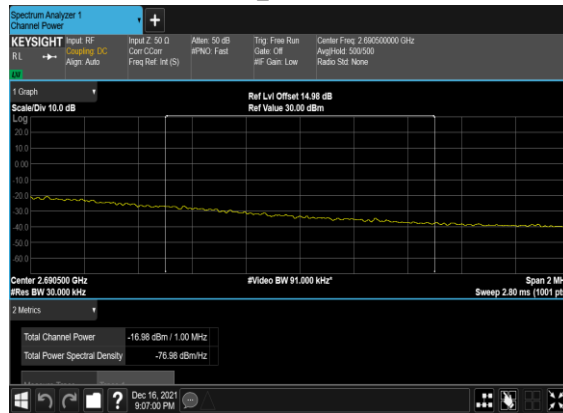
N41(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



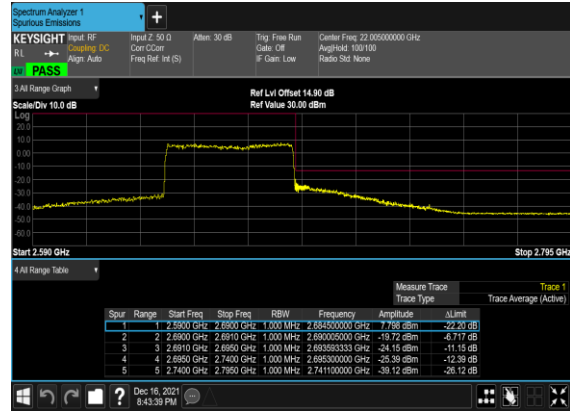
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



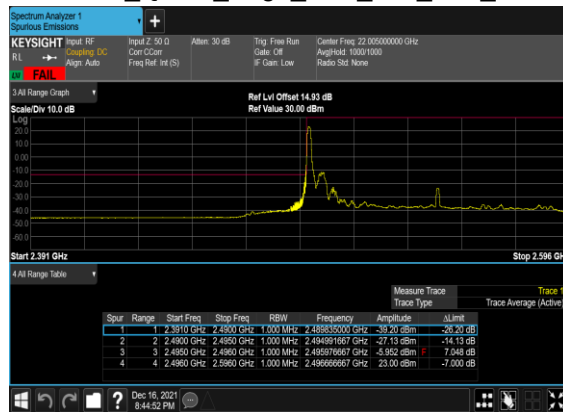
N41(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH_chp _PASS



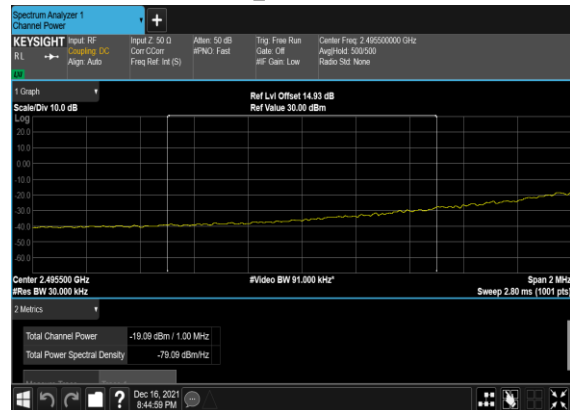
N41(50M)_CP- OFDM_QPSK_Outer_Full_High_CH



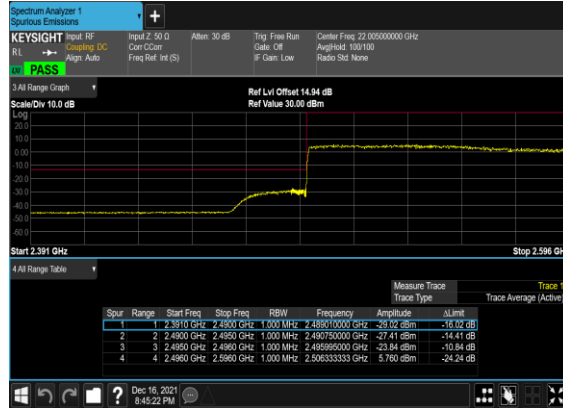
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



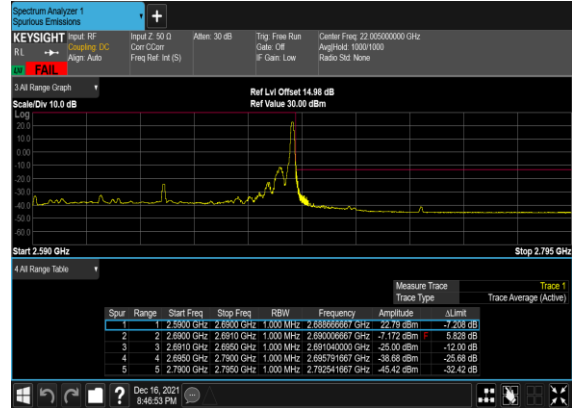
N41(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_chp _PASS



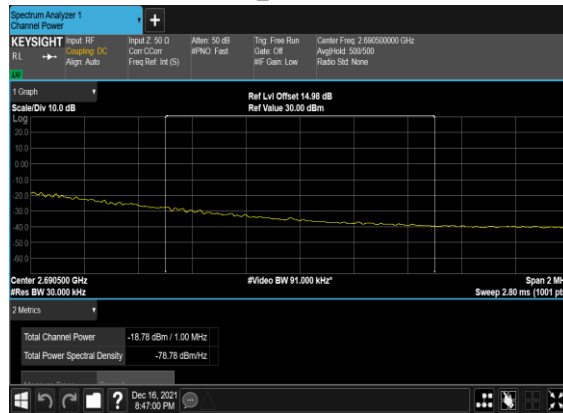
N41(100M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N41(100M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH_chn _PASS



N41(100M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 n41AA (ANT5) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.7dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	NR Conducted Power(dBm)	LTE Conducted Power(dBm)	ENDC Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	15	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	25@12	23.56	22.88	26.24	30.94	1.2427
41	15	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	1@1	23.37	22.87	26.14	30.84	1.2127
41	15	10	500220	2501.1	DFT-s-OFDM PI/2 BPSK	1@50	23.44	22.66	26.08	30.78	1.1961
41	15	10	500220	2501.1	DFT-s-OFDM QPSK	25@12	23.58	22.77	26.20	30.90	1.2314
41	15	10	500220	2501.1	DFT-s-OFDM QPSK	1@1	23.35	22.68	26.04	30.74	1.1853
41	15	10	500220	2501.1	DFT-s-OFDM QPSK	1@50	23.39	22.85	26.14	30.84	1.2130
41	15	10	500220	2501.1	DFT-s-OFDM 16 QAM	25@12	22.6	22.7	25.66	30.36	1.0866
41	15	10	500220	2501.1	DFT-s-OFDM 16 QAM	1@1	22.19	22.86	25.55	30.25	1.0588
41	15	10	500220	2501.1	DFT-s-OFDM 16 QAM	1@50	22.22	22.9	25.58	30.28	1.0675
41	15	10	500220	2501.1	DFT-s-OFDM 64 QAM	25@12	21.22	22.68	25.02	29.72	0.9379
41	15	10	500220	2501.1	DFT-s-OFDM 64 QAM	1@1	21.15	22.95	25.15	29.85	0.9667
41	15	10	500220	2501.1	DFT-s-OFDM 64 QAM	1@50	21.14	22.93	25.14	29.84	0.9631
41	15	10	500220	2501.1	DFT-s-OFDM 256 QAM	25@12	19.01	22.75	24.28	28.98	0.7909
41	15	10	500220	2501.1	DFT-s-OFDM 256 QAM	1@1	18.84	22.83	24.29	28.99	0.7922
41	15	10	500220	2501.1	DFT-s-OFDM 256 QAM	1@50	18.83	22.66	24.16	28.86	0.7699
41	15	10	500220	2501.1	CP-OFDM QPSK	26@13	21.99	22.96	25.51	30.21	1.0501
41	15	10	500220	2501.1	CP-OFDM QPSK	1@1	21.97	22.78	25.40	30.10	1.0243
41	15	10	500220	2501.1	CP-OFDM QPSK	1@50	21.97	22.86	25.45	30.15	1.0347
41	15	10	516600	2583	DFT-s-OFDM PI/2 BPSK	25@12	23.7	22.75	26.26	30.96	1.2477
41	15	10	516600	2583	DFT-s-OFDM PI/2 BPSK	1@1	23.6	22.73	26.20	30.90	1.2294

41	15	10	516600	2583	DFT-s-OFDM PI/2 BPSK	1@50	23.53	22.73	26.16	30.86	1.2186
41	15	10	516600	2583	DFT-s-OFDM QPSK	25@12	23.7	22.84	26.30	31.00	1.2594
41	15	10	516600	2583	DFT-s-OFDM QPSK	1@1	23.57	22.81	26.22	30.92	1.2351
41	15	10	516600	2583	DFT-s-OFDM QPSK	1@50	23.51	22.79	26.18	30.88	1.2233
41	15	10	516600	2583	DFT-s-OFDM 16 QAM	25@12	22.69	22.95	25.83	30.53	1.1304
41	15	10	516600	2583	DFT-s-OFDM 16 QAM	1@1	22.5	22.69	25.61	30.31	1.0731
41	15	10	516600	2583	DFT-s-OFDM 16 QAM	1@50	22.49	22.96	25.74	30.44	1.1070
41	15	10	516600	2583	DFT-s-OFDM 64 QAM	25@12	21.28	22.93	25.19	29.89	0.9757
41	15	10	516600	2583	DFT-s-OFDM 64 QAM	1@1	21.26	22.94	25.19	29.89	0.9752
41	15	10	516600	2583	DFT-s-OFDM 64 QAM	1@50	21.18	22.82	25.09	29.79	0.9522
41	15	10	516600	2583	DFT-s-OFDM 256 QAM	25@12	19.08	22.83	24.36	29.06	0.8050
41	15	10	516600	2583	DFT-s-OFDM 256 QAM	1@1	19.02	22.96	24.43	29.13	0.8190
41	15	10	516600	2583	DFT-s-OFDM 256 QAM	1@50	18.77	22.9	24.32	29.02	0.7978
41	15	10	516600	2583	CP-OFDM QPSK	26@13	22.1	22.75	25.45	30.15	1.0345
41	15	10	516600	2583	CP-OFDM QPSK	1@1	22.2	22.76	25.50	30.20	1.0470
41	15	10	516600	2583	CP-OFDM QPSK	1@50	22.03	22.74	25.41	30.11	1.0256
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	25@12	23.81	22.66	26.28	30.98	1.2541
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@1	23.65	22.74	26.23	30.93	1.2385
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@50	23.75	22.84	26.33	31.03	1.2674
41	15	10	537000	2685	DFT-s-OFDM QPSK	25@12	23.86	22.78	26.36	31.06	1.2776
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	23.62	22.83	26.25	30.95	1.2454
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@50	23.69	22.85	26.30	31.00	1.2591
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	25@12	22.77	22.85	25.82	30.52	1.1273
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	22.45	22.91	25.70	30.40	1.0956

41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@50	22.56	22.73	25.66	30.36	1.0855
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	25@12	21.25	22.73	25.06	29.76	0.9469
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@1	21.16	22.77	25.05	29.75	0.9439
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@50	21.23	22.9	25.16	29.86	0.9672
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	25@12	19.15	22.85	24.39	29.09	0.8115
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@1	18.84	22.93	24.36	29.06	0.8054
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@50	19	22.88	24.37	29.07	0.8072
41	15	10	537000	2685	CP-OFDM QPSK	26@13	22.2	22.86	25.55	30.25	1.0599
41	15	10	537000	2685	CP-OFDM QPSK	1@1	22.23	22.94	25.61	30.31	1.0739
41	15	10	537000	2685	CP-OFDM QPSK	1@50	22.26	22.78	25.54	30.24	1.0563
41	15	15	500739	2503.695	DFT-s-OFDM PI/2 BPSK	36@18	23.52	22.81	26.19	30.89	1.2274
41	15	15	500739	2503.695	DFT-s-OFDM PI/2 BPSK	1@1	23.35	22.65	26.02	30.72	1.1815
41	15	15	500739	2503.695	DFT-s-OFDM PI/2 BPSK	1@77	23.42	22.65	26.06	30.76	1.1919
41	15	15	500739	2503.695	DFT-s-OFDM QPSK	36@18	23.55	22.71	26.16	30.86	1.2192
41	15	15	500739	2503.695	DFT-s-OFDM QPSK	1@1	23.31	22.78	26.06	30.76	1.1922
41	15	15	500739	2503.695	DFT-s-OFDM QPSK	1@77	23.35	22.75	26.07	30.77	1.1942
41	15	15	500739	2503.695	DFT-s-OFDM 16 QAM	36@18	22.55	22.81	25.69	30.39	1.0945
41	15	15	500739	2503.695	DFT-s-OFDM 16 QAM	1@1	22.25	22.81	25.55	30.25	1.0591
41	15	15	500739	2503.695	DFT-s-OFDM 16 QAM	1@77	22.21	22.83	25.54	30.24	1.0571
41	15	15	500739	2503.695	DFT-s-OFDM 64 QAM	36@18	21.15	22.79	25.06	29.76	0.9456
41	15	15	500739	2503.695	DFT-s-OFDM 64 QAM	1@1	21.09	22.73	25.00	29.70	0.9327
41	15	15	500739	2503.695	DFT-s-OFDM 64 QAM	1@77	21.11	22.81	25.05	29.75	0.9447
41	15	15	500739	2503.695	DFT-s-OFDM 256 QAM	36@18	19.15	22.69	24.28	28.98	0.7909
41	15	15	500739	2503.695	DFT-s-OFDM 256 QAM	1@1	18.74	22.77	24.22	28.92	0.7793

41	15	15	500739	2503.695	DFT-s-OFDM 256 QAM	1@77	18.7	22.72	24.17	28.87	0.7709
41	15	15	500739	2503.695	CP-OFDM QPSK	39@19	21.99	22.94	25.50	30.20	1.0474
41	15	15	500739	2503.695	CP-OFDM QPSK	1@1	21.97	22.9	25.47	30.17	1.0400
41	15	15	500739	2503.695	CP-OFDM QPSK	1@77	21.94	22.92	25.47	30.17	1.0394
41	15	15	516579	2582.895	DFT-s-OFDM PI/2 BPSK	36@18	23.55	22.72	26.17	30.87	1.2204
41	15	15	516579	2582.895	DFT-s-OFDM PI/2 BPSK	1@1	23.64	22.8	26.25	30.95	1.2447
41	15	15	516579	2582.895	DFT-s-OFDM PI/2 BPSK	1@77	23.55	22.73	26.17	30.87	1.2217
41	15	15	516579	2582.895	DFT-s-OFDM QPSK	36@18	23.62	22.84	26.26	30.96	1.2467
41	15	15	516579	2582.895	DFT-s-OFDM QPSK	1@1	23.57	22.75	26.19	30.89	1.2273
41	15	15	516579	2582.895	DFT-s-OFDM QPSK	1@77	23.55	22.91	26.25	30.95	1.2451
41	15	15	516579	2582.895	DFT-s-OFDM 16 QAM	36@18	22.58	22.75	25.68	30.38	1.0905
41	15	15	516579	2582.895	DFT-s-OFDM 16 QAM	1@1	22.46	22.66	25.57	30.27	1.0645
41	15	15	516579	2582.895	DFT-s-OFDM 16 QAM	1@77	22.25	22.84	25.57	30.27	1.0630
41	15	15	516579	2582.895	DFT-s-OFDM 64 QAM	36@18	21.2	22.68	25.01	29.71	0.9361
41	15	15	516579	2582.895	DFT-s-OFDM 64 QAM	1@1	21.25	22.68	25.03	29.73	0.9406
41	15	15	516579	2582.895	DFT-s-OFDM 64 QAM	1@77	21.08	22.83	25.05	29.75	0.9447
41	15	15	516579	2582.895	DFT-s-OFDM 256 QAM	36@18	19.25	22.81	24.40	29.10	0.8120
41	15	15	516579	2582.895	DFT-s-OFDM 256 QAM	1@1	18.84	22.9	24.34	29.04	0.8014
41	15	15	516579	2582.895	DFT-s-OFDM 256 QAM	1@77	18.75	22.81	24.25	28.95	0.7849
41	15	15	516579	2582.895	CP-OFDM QPSK	39@19	22.03	22.91	25.50	30.20	1.0477
41	15	15	516579	2582.895	CP-OFDM QPSK	1@1	22.22	22.91	25.59	30.29	1.0688
41	15	15	516579	2582.895	CP-OFDM QPSK	1@77	22.02	22.83	25.45	30.15	1.0361
41	15	15	536481	2682.405	DFT-s-OFDM PI/2 BPSK	36@18	23.75	22.79	26.31	31.01	1.2609
41	15	15	536481	2682.405	DFT-s-OFDM PI/2 BPSK	1@1	23.6	22.92	26.28	30.98	1.2542
41	15	15	536481	2682.405	DFT-s-OFDM PI/2 BPSK	1@77	23.72	22.76	26.28	30.98	1.2522

41	15	15	536481	2682.405	DFT-s-OFDM QPSK	36@18	23.81	22.8	26.34	31.04	1.2719
41	15	15	536481	2682.405	DFT-s-OFDM QPSK	1@1	23.56	22.72	26.17	30.87	1.2220
41	15	15	536481	2682.405	DFT-s-OFDM QPSK	1@77	23.67	22.65	26.20	30.90	1.2303
41	15	15	536481	2682.405	DFT-s-OFDM 16 QAM	36@18	22.7	22.95	25.84	30.54	1.1316
41	15	15	536481	2682.405	DFT-s-OFDM 16 QAM	1@1	22.41	22.75	25.59	30.29	1.0699
41	15	15	536481	2682.405	DFT-s-OFDM 16 QAM	1@77	22.6	22.86	25.74	30.44	1.1072
41	15	15	536481	2682.405	DFT-s-OFDM 64 QAM	36@18	21.21	22.69	25.02	29.72	0.9382
41	15	15	536481	2682.405	DFT-s-OFDM 64 QAM	1@1	21.05	22.95	25.11	29.81	0.9579
41	15	15	536481	2682.405	DFT-s-OFDM 64 QAM	1@77	21.24	22.81	25.11	29.81	0.9563
41	15	15	536481	2682.405	DFT-s-OFDM 256 QAM	36@18	19.4	22.68	24.35	29.05	0.8041
41	15	15	536481	2682.405	DFT-s-OFDM 256 QAM	1@1	18.73	22.77	24.21	28.91	0.7788
41	15	15	536481	2682.405	DFT-s-OFDM 256 QAM	1@77	18.9	22.69	24.21	28.91	0.7774
41	15	15	536481	2682.405	CP-OFDM QPSK	39@19	22.21	22.69	25.47	30.17	1.0392
41	15	15	536481	2682.405	CP-OFDM QPSK	1@1	22.18	22.75	25.48	30.18	1.0434
41	15	15	536481	2682.405	CP-OFDM QPSK	1@77	22.25	22.83	25.56	30.26	1.0617
41	15	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	50@25	23.57	22.82	26.22	30.92	1.2364
41	15	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	1@1	23.39	22.69	26.06	30.76	1.1924
41	15	20	501240	2506.2	DFT-s-OFDM PI/2 BPSK	1@104	23.43	22.69	26.09	30.79	1.1984
41	15	20	501240	2506.2	DFT-s-OFDM QPSK	50@25	23.6	22.75	26.21	30.91	1.2320
41	15	20	501240	2506.2	DFT-s-OFDM QPSK	1@1	23.35	22.81	26.10	30.80	1.2019
41	15	20	501240	2506.2	DFT-s-OFDM QPSK	1@104	23.38	22.77	26.10	30.80	1.2012
41	15	20	501240	2506.2	DFT-s-OFDM 16 QAM	50@25	22.58	22.84	25.72	30.42	1.1021
41	15	20	501240	2506.2	DFT-s-OFDM 16 QAM	1@1	22.28	22.83	25.57	30.27	1.0651
41	15	20	501240	2506.2	DFT-s-OFDM 16 QAM	1@104	22.25	22.84	25.57	30.27	1.0630

41	15	20	501240	2506.2	DFT-s-OFDM 64 QAM	50@25	21.2	22.79	25.08	29.78	0.9501
41	15	20	501240	2506.2	DFT-s-OFDM 64 QAM	1@1	21.09	22.73	25.00	29.70	0.9327
41	15	20	501240	2506.2	DFT-s-OFDM 64 QAM	1@104	21.11	22.81	25.05	29.75	0.9447
41	15	20	501240	2506.2	DFT-s-OFDM 256 QAM	50@25	19.18	22.69	24.29	28.99	0.7926
41	15	20	501240	2506.2	DFT-s-OFDM 256 QAM	1@1	18.74	22.77	24.22	28.92	0.7793
41	15	20	501240	2506.2	DFT-s-OFDM 256 QAM	1@104	18.7	22.77	24.21	28.91	0.7772
41	15	20	501240	2506.2	CP-OFDM QPSK	53@26	22	22.94	25.51	30.21	1.0485
41	15	20	501240	2506.2	CP-OFDM QPSK	1@1	21.97	22.9	25.47	30.17	1.0400
41	15	20	501240	2506.2	CP-OFDM QPSK	1@104	21.94	22.93	25.47	30.17	1.0407
41	15	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	50@25	23.58	22.72	26.18	30.88	1.2251
41	15	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@1	23.64	22.8	26.25	30.95	1.2447
41	15	20	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@104	23.56	22.73	26.18	30.88	1.2232
41	15	20	517620	2588.1	DFT-s-OFDM QPSK	50@25	23.62	22.84	26.26	30.96	1.2467
41	15	20	517620	2588.1	DFT-s-OFDM QPSK	1@1	23.57	22.8	26.21	30.91	1.2338
41	15	20	517620	2588.1	DFT-s-OFDM QPSK	1@104	23.55	22.91	26.25	30.95	1.2451
41	15	20	517620	2588.1	DFT-s-OFDM 16 QAM	50@25	22.58	22.87	25.74	30.44	1.1060
41	15	20	517620	2588.1	DFT-s-OFDM 16 QAM	1@1	22.46	22.66	25.57	30.27	1.0645
41	15	20	517620	2588.1	DFT-s-OFDM 16 QAM	1@104	22.27	22.84	25.57	30.27	1.0653
41	15	20	517620	2588.1	DFT-s-OFDM 64 QAM	50@25	21.2	22.68	25.01	29.71	0.9361
41	15	20	517620	2588.1	DFT-s-OFDM 64 QAM	1@1	21.29	22.68	25.05	29.75	0.9442
41	15	20	517620	2588.1	DFT-s-OFDM 64 QAM	1@104	21.08	22.83	25.05	29.75	0.9447
41	15	20	517620	2588.1	DFT-s-OFDM 256 QAM	50@25	19.25	22.84	24.42	29.12	0.8159
41	15	20	517620	2588.1	DFT-s-OFDM 256 QAM	1@1	18.84	22.9	24.34	29.04	0.8014
41	15	20	517620	2588.1	DFT-s-OFDM 256 QAM	1@104	18.79	22.81	24.26	28.96	0.7870

41	15	20	517620	2588.1	CP-OFDM QPSK	53@26	22.03	22.94	25.52	30.22	1.0517
41	15	20	517620	2588.1	CP-OFDM QPSK	1@1	22.22	22.91	25.59	30.29	1.0688
41	15	20	517620	2588.1	CP-OFDM QPSK	1@104	22.02	22.83	25.45	30.15	1.0361
41	15	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	50@25	23.77	22.79	26.32	31.02	1.2641
41	15	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	1@1	23.6	22.92	26.28	30.98	1.2542
41	15	20	535980	2679.9	DFT-s-OFDM PI/2 BPSK	1@104	23.76	22.76	26.30	31.00	1.2586
41	15	20	535980	2679.9	DFT-s-OFDM QPSK	50@25	23.81	22.81	26.35	31.05	1.2732
41	15	20	535980	2679.9	DFT-s-OFDM QPSK	1@1	23.56	22.72	26.17	30.87	1.2220
41	15	20	535980	2679.9	DFT-s-OFDM QPSK	1@104	23.67	22.66	26.20	30.90	1.2316
41	15	20	535980	2679.9	DFT-s-OFDM 16 QAM	50@25	22.7	22.95	25.84	30.54	1.1316
41	15	20	535980	2679.9	DFT-s-OFDM 16 QAM	1@1	22.41	22.79	25.61	30.31	1.0751
41	15	20	535980	2679.9	DFT-s-OFDM 16 QAM	1@104	22.61	22.86	25.75	30.45	1.1084
41	15	20	535980	2679.9	DFT-s-OFDM 64 QAM	50@25	21.21	22.69	25.02	29.72	0.9382
41	15	20	535980	2679.9	DFT-s-OFDM 64 QAM	1@1	21	22.95	25.09	29.79	0.9536
41	15	20	535980	2679.9	DFT-s-OFDM 64 QAM	1@104	21.24	22.86	25.14	29.84	0.9628
41	15	20	535980	2679.9	DFT-s-OFDM 256 QAM	50@25	19.42	22.68	24.36	29.06	0.8052
41	15	20	535980	2679.9	DFT-s-OFDM 256 QAM	1@1	18.73	22.77	24.21	28.91	0.7788
41	15	20	535980	2679.9	DFT-s-OFDM 256 QAM	1@104	18.91	22.69	24.21	28.91	0.7779
41	15	20	535980	2679.9	CP-OFDM QPSK	53@26	22.23	22.69	25.48	30.18	1.0415
41	15	20	535980	2679.9	CP-OFDM QPSK	1@1	22.18	22.79	25.51	30.21	1.0486
41	15	20	535980	2679.9	CP-OFDM QPSK	1@104	22.27	22.83	25.57	30.27	1.0640
41	15	40	503259	2516.295	DFT-s-OFDM PI/2 BPSK	108@54	23.5	22.91	26.23	30.93	1.2375
41	15	40	503259	2516.295	DFT-s-OFDM PI/2 BPSK	1@1	22.86	22.87	25.88	30.58	1.1416
41	15	40	503259	2516.295	DFT-s-OFDM PI/2 BPSK	1@214	23.1	22.87	26.00	30.70	1.1740
41	15	40	503259	2516.295	DFT-s-OFDM QPSK	108@54	23.56	22.87	26.24	30.94	1.2414

41	15	40	503259	2516.295	DFT-s-OFDM QPSK	1@1	22.8	22.79	25.81	30.51	1.1234
41	15	40	503259	2516.295	DFT-s-OFDM QPSK	1@214	22.98	22.92	25.96	30.66	1.1642
41	15	40	503259	2516.295	DFT-s-OFDM 16 QAM	108@54	22.5	22.71	25.62	30.32	1.0756
41	15	40	503259	2516.295	DFT-s-OFDM 16 QAM	1@1	21.85	22.77	25.34	30.04	1.0103
41	15	40	503259	2516.295	DFT-s-OFDM 16 QAM	1@214	22.16	22.7	25.45	30.15	1.0348
41	15	40	503259	2516.295	DFT-s-OFDM 64 QAM	108@54	21.18	22.68	25.00	29.70	0.9343
41	15	40	503259	2516.295	DFT-s-OFDM 64 QAM	1@1	20.7	22.89	24.94	29.64	0.9209
41	15	40	503259	2516.295	DFT-s-OFDM 64 QAM	1@214	20.91	22.66	24.88	29.58	0.9084
41	15	40	503259	2516.295	DFT-s-OFDM 256 QAM	108@54	18.99	22.76	24.28	28.98	0.7911
41	15	40	503259	2516.295	DFT-s-OFDM 256 QAM	1@1	18.37	22.8	24.14	28.84	0.7651
41	15	40	503259	2516.295	DFT-s-OFDM 256 QAM	1@214	18.55	22.93	24.28	28.98	0.7908
41	15	40	503259	2516.295	CP-OFDM QPSK	108@54	21.97	22.71	25.37	30.07	1.0153
41	15	40	503259	2516.295	CP-OFDM QPSK	1@1	21.48	22.91	25.26	29.96	0.9917
41	15	40	503259	2516.295	CP-OFDM QPSK	1@214	21.71	22.68	25.23	29.93	0.9845
41	15	40	517599	2587.995	DFT-s-OFDM PI/2 BPSK	108@54	23.6	22.92	26.28	30.98	1.2542
41	15	40	517599	2587.995	DFT-s-OFDM PI/2 BPSK	1@1	23.14	22.85	26.01	30.71	1.1770
41	15	40	517599	2587.995	DFT-s-OFDM PI/2 BPSK	1@214	23.44	22.75	26.12	30.82	1.2075
41	15	40	517599	2587.995	DFT-s-OFDM QPSK	108@54	23.63	22.77	26.23	30.93	1.2392
41	15	40	517599	2587.995	DFT-s-OFDM QPSK	1@1	23.08	22.91	26.01	30.71	1.1766
41	15	40	517599	2587.995	DFT-s-OFDM QPSK	1@214	23.38	22.82	26.12	30.82	1.2076
41	15	40	517599	2587.995	DFT-s-OFDM 16 QAM	108@54	22.56	22.76	25.67	30.37	1.0893
41	15	40	517599	2587.995	DFT-s-OFDM 16 QAM	1@1	21.92	22.67	25.32	30.02	1.0050
41	15	40	517599	2587.995	DFT-s-OFDM 16 QAM	1@214	22.13	22.91	25.55	30.25	1.0587
41	15	40	517599	2587.995	DFT-s-OFDM 64 QAM	108@54	21.18	22.78	25.06	29.76	0.9470

41	15	40	517599	2587.995	DFT-s-OFDM 64 QAM	1@1	20.94	22.81	24.99	29.69	0.9301
41	15	40	517599	2587.995	DFT-s-OFDM 64 QAM	1@214	21.01	22.71	24.95	29.65	0.9232
41	15	40	517599	2587.995	DFT-s-OFDM 256 QAM	108@54	19.16	22.83	24.38	29.08	0.8095
41	15	40	517599	2587.995	DFT-s-OFDM 256 QAM	1@1	18.5	22.81	24.18	28.88	0.7726
41	15	40	517599	2587.995	DFT-s-OFDM 256 QAM	1@214	18.51	22.82	24.19	28.89	0.7743
41	15	40	517599	2587.995	CP-OFDM QPSK	108@54	22.01	22.75	25.41	30.11	1.0247
41	15	40	517599	2587.995	CP-OFDM QPSK	1@1	21.75	22.75	25.29	29.99	0.9975
41	15	40	517599	2587.995	CP-OFDM QPSK	1@214	21.94	22.88	25.45	30.15	1.0341
41	15	40	533961	2669.805	DFT-s-OFDM PI/2 BPSK	108@54	23.76	22.69	26.27	30.97	1.2497
41	15	40	533961	2669.805	DFT-s-OFDM PI/2 BPSK	1@1	23.12	22.83	25.99	30.69	1.1716
41	15	40	533961	2669.805	DFT-s-OFDM PI/2 BPSK	1@214	23.45	22.81	26.15	30.85	1.2168
41	15	40	533961	2669.805	DFT-s-OFDM QPSK	108@54	23.75	22.83	26.32	31.02	1.2661
41	15	40	533961	2669.805	DFT-s-OFDM QPSK	1@1	23.06	22.74	25.91	30.61	1.1517
41	15	40	533961	2669.805	DFT-s-OFDM QPSK	1@214	23.41	22.85	26.15	30.85	1.2160
41	15	40	533961	2669.805	DFT-s-OFDM 16 QAM	108@54	22.7	22.69	25.71	30.41	1.0978
41	15	40	533961	2669.805	DFT-s-OFDM 16 QAM	1@1	21.97	22.9	25.47	30.17	1.0400
41	15	40	533961	2669.805	DFT-s-OFDM 16 QAM	1@214	22.33	22.72	25.54	30.24	1.0567
41	15	40	533961	2669.805	DFT-s-OFDM 64 QAM	108@54	21.23	22.86	25.13	29.83	0.9619
41	15	40	533961	2669.805	DFT-s-OFDM 64 QAM	1@1	20.87	22.76	24.93	29.63	0.9178
41	15	40	533961	2669.805	DFT-s-OFDM 64 QAM	1@214	21.06	22.8	25.03	29.73	0.9390
41	15	40	533961	2669.805	DFT-s-OFDM 256 QAM	108@54	19.21	22.89	24.44	29.14	0.8202
41	15	40	533961	2669.805	DFT-s-OFDM 256 QAM	1@1	18.48	22.93	24.26	28.96	0.7874
41	15	40	533961	2669.805	DFT-s-OFDM 256 QAM	1@214	18.67	22.89	24.28	28.98	0.7914
41	15	40	533961	2669.805	CP-OFDM QPSK	108@54	22.19	22.78	25.51	30.21	1.0484

41	15	40	533961	2669.805	CP-OFDM QPSK	1@1	21.69	22.9	25.35	30.05	1.0110
41	15	40	533961	2669.805	CP-OFDM QPSK	1@214	22.01	22.85	25.46	30.16	1.0377
41	15	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	135@67	23.54	22.75	26.17	30.87	1.2227
41	15	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	1@1	23.27	22.69	26.00	30.70	1.1749
41	15	50	504240	2521.2	DFT-s-OFDM PI/2 BPSK	1@268	23.5	22.88	26.21	30.91	1.2335
41	15	50	504240	2521.2	DFT-s-OFDM QPSK	135@67	23.56	22.72	26.17	30.87	1.2220
41	15	50	504240	2521.2	DFT-s-OFDM QPSK	1@1	23.19	22.84	26.03	30.73	1.1827
41	15	50	504240	2521.2	DFT-s-OFDM QPSK	1@268	23.42	22.76	26.11	30.81	1.2058
41	15	50	504240	2521.2	DFT-s-OFDM 16 QAM	135@67	22.5	22.68	25.60	30.30	1.0718
41	15	50	504240	2521.2	DFT-s-OFDM 16 QAM	1@1	22.19	22.82	25.53	30.23	1.0536
41	15	50	504240	2521.2	DFT-s-OFDM 16 QAM	1@268	22.43	22.77	25.61	30.31	1.0749
41	15	50	504240	2521.2	DFT-s-OFDM 64 QAM	135@67	21.19	22.69	25.01	29.71	0.9364
41	15	50	504240	2521.2	DFT-s-OFDM 64 QAM	1@1	21.07	22.9	25.09	29.79	0.9530
41	15	50	504240	2521.2	DFT-s-OFDM 64 QAM	1@268	21.42	22.73	25.13	29.83	0.9626
41	15	50	504240	2521.2	DFT-s-OFDM 256 QAM	135@67	19.17	22.92	24.45	29.15	0.8219
41	15	50	504240	2521.2	DFT-s-OFDM 256 QAM	1@1	18.64	22.76	24.18	28.88	0.7730
41	15	50	504240	2521.2	DFT-s-OFDM 256 QAM	1@268	18.8	22.66	24.16	28.86	0.7684
41	15	50	504240	2521.2	CP-OFDM QPSK	135@67	22.03	22.82	25.45	30.15	1.0359
41	15	50	504240	2521.2	CP-OFDM QPSK	1@1	21.86	22.73	25.33	30.03	1.0062
41	15	50	504240	2521.2	CP-OFDM QPSK	1@268	22.15	22.85	25.52	30.22	1.0530
41	15	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	135@67	23.66	22.85	26.28	30.98	1.2543
41	15	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@1	23.44	22.72	26.11	30.81	1.2037
41	15	50	517620	2588.1	DFT-s-OFDM PI/2 BPSK	1@268	23.83	22.71	26.32	31.02	1.2637
41	15	50	517620	2588.1	DFT-s-OFDM QPSK	135@67	23.72	22.8	26.29	30.99	1.2574
41	15	50	517620	2588.1	DFT-s-OFDM	1@1	23.38	22.68	26.05	30.75	1.1897

					QPSK						
41	15	50	517620	2588.1	DFT-s-OFDM QPSK	1@268	23.79	22.87	26.36	31.06	1.2778
41	15	50	517620	2588.1	DFT-s-OFDM 16 QAM	135@67	22.62	22.67	25.66	30.36	1.0853
41	15	50	517620	2588.1	DFT-s-OFDM 16 QAM	1@1	22.33	22.91	25.64	30.34	1.0814
41	15	50	517620	2588.1	DFT-s-OFDM 16 QAM	1@268	22.52	22.88	25.71	30.41	1.1000
41	15	50	517620	2588.1	DFT-s-OFDM 64 QAM	135@67	21.33	22.72	25.09	29.79	0.9529
41	15	50	517620	2588.1	DFT-s-OFDM 64 QAM	1@1	21.27	22.9	25.17	29.87	0.9708
41	15	50	517620	2588.1	DFT-s-OFDM 64 QAM	1@268	21.45	22.68	25.12	29.82	0.9591
41	15	50	517620	2588.1	DFT-s-OFDM 256 QAM	135@67	19.32	22.89	24.47	29.17	0.8265
41	15	50	517620	2588.1	DFT-s-OFDM 256 QAM	1@1	18.85	22.73	24.22	28.92	0.7798
41	15	50	517620	2588.1	DFT-s-OFDM 256 QAM	1@268	19.08	22.92	24.42	29.12	0.8169
41	15	50	517620	2588.1	CP-OFDM QPSK	135@67	22.13	22.9	25.54	30.24	1.0574
41	15	50	517620	2588.1	CP-OFDM QPSK	1@1	22.08	22.76	25.44	30.14	1.0336
41	15	50	517620	2588.1	CP-OFDM QPSK	1@268	22.41	22.86	25.65	30.35	1.0842
41	15	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	135@67	23.78	22.68	26.28	30.98	1.2517
41	15	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	1@1	23.46	22.95	26.22	30.92	1.2367
41	15	50	532980	2664.9	DFT-s-OFDM PI/2 BPSK	1@268	23.82	22.9	26.39	31.09	1.2867
41	15	50	532980	2664.9	DFT-s-OFDM QPSK	135@67	23.85	22.74	26.34	31.04	1.2708
41	15	50	532980	2664.9	DFT-s-OFDM QPSK	1@1	23.44	22.71	26.10	30.80	1.2024
41	15	50	532980	2664.9	DFT-s-OFDM QPSK	1@268	23.76	22.96	26.39	31.09	1.2849
41	15	50	532980	2664.9	DFT-s-OFDM 16 QAM	135@67	22.75	22.91	25.84	30.54	1.1327
41	15	50	532980	2664.9	DFT-s-OFDM 16 QAM	1@1	22.41	22.9	25.67	30.37	1.0895
41	15	50	532980	2664.9	DFT-s-OFDM 16 QAM	1@268	22.62	22.74	25.69	30.39	1.0941
41	15	50	532980	2664.9	DFT-s-OFDM 64 QAM	135@67	21.3	22.8	25.12	29.82	0.9604
41	15	50	532980	2664.9	DFT-s-	1@1	21.21	22.92	25.16	29.86	0.9680

					OFDM 64 QAM						
41	15	50	532980	2664.9	DFT-s- OFDM 64 QAM	1@268	21.38	22.7	25.10	29.80	0.9550
41	15	50	532980	2664.9	DFT-s- OFDM 256 QAM	135@67	19.46	22.92	24.54	29.24	0.8387
41	15	50	532980	2664.9	DFT-s- OFDM 256 QAM	1@1	18.79	22.82	24.27	28.97	0.7883
41	15	50	532980	2664.9	DFT-s- OFDM 256 QAM	1@268	19.04	22.73	24.28	28.98	0.7899
41	15	50	532980	2664.9	CP-OFDM QPSK	135@67	22.23	22.74	25.50	30.20	1.0478
41	15	50	532980	2664.9	CP-OFDM QPSK	1@1	22.07	22.87	25.50	30.20	1.0468
41	15	50	532980	2664.9	CP-OFDM QPSK	1@268	22.41	22.85	25.65	30.35	1.0829



FR1 N41AA(ANT5) – SCS 15kHz

Peak-to-Average Ratio

Mode	FR1 N41AA / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.36	5.28	4.70	6.49	PASS
Middle CH	3.57	6.29	6.58	6.12	
Highest CH	3.83	5.54	5.33	7.13	