



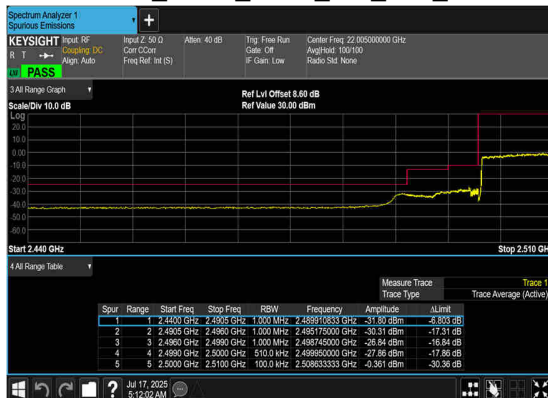
N7(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



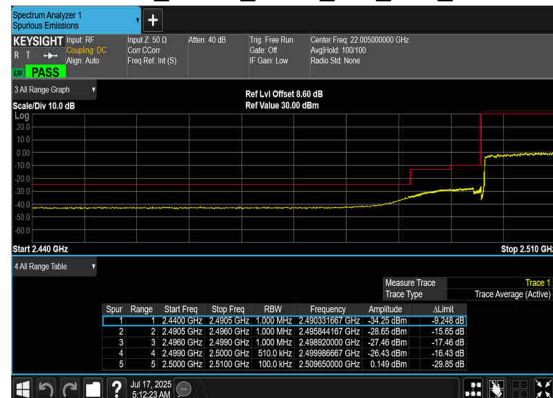
N7(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(25M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N7(25M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





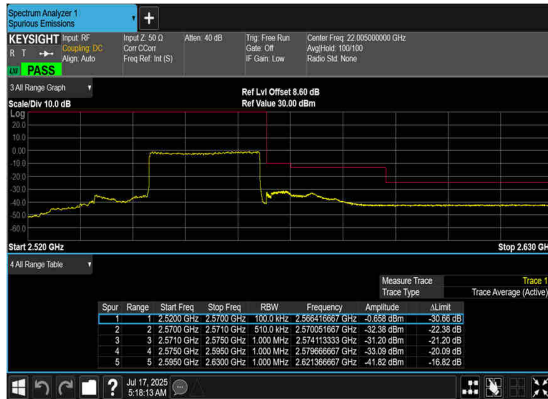
N7(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



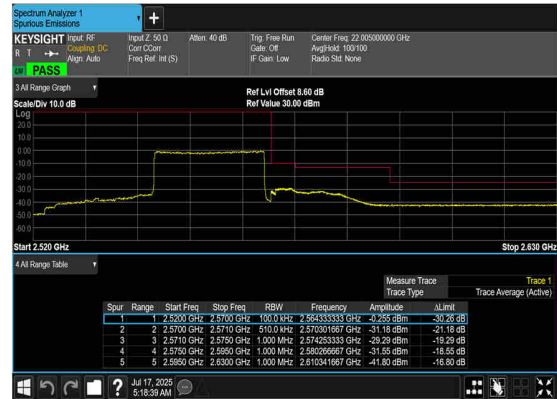
N7(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N7(25M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

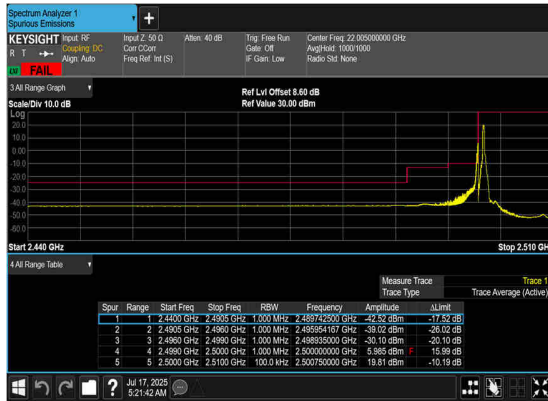


N7(25M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

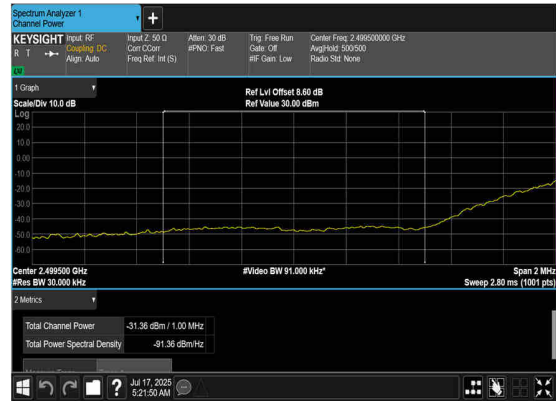




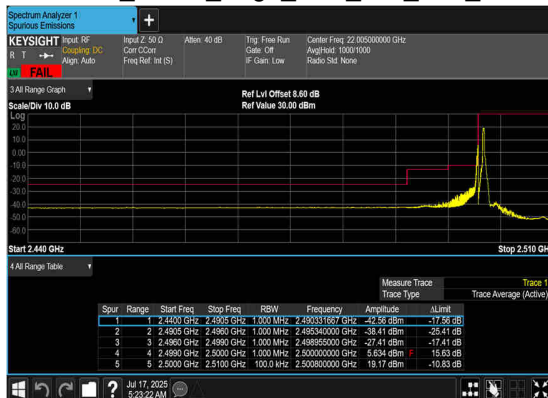
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



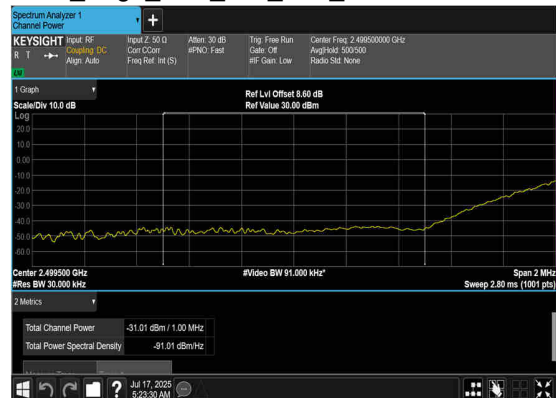
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_PASS



N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

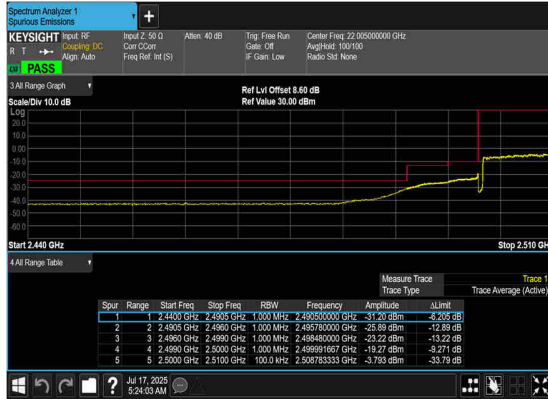


N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_PASS

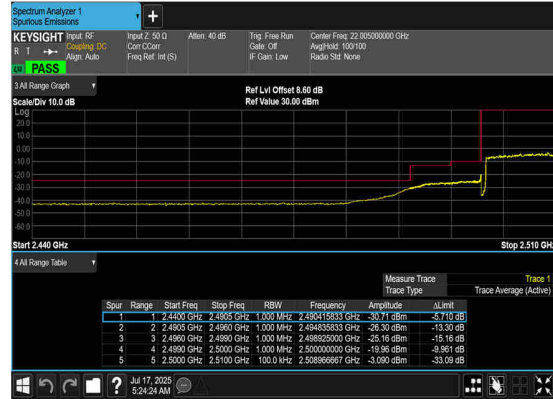




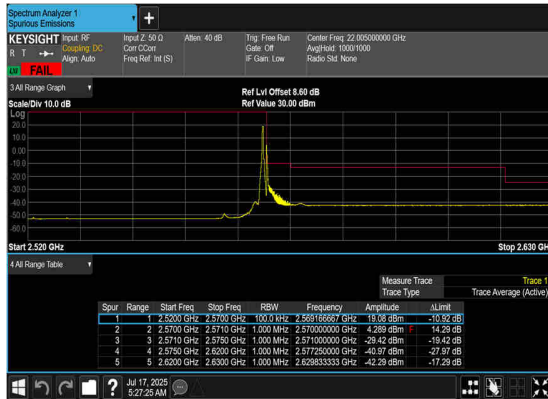
N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



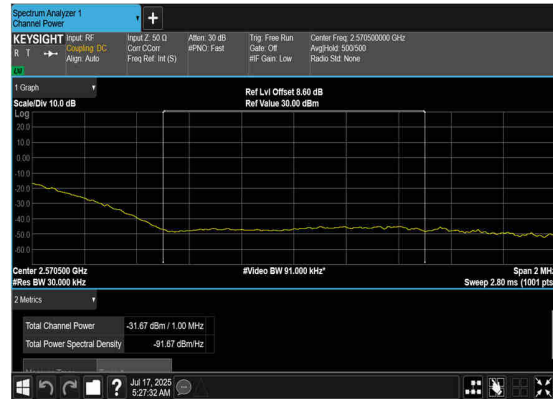
N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

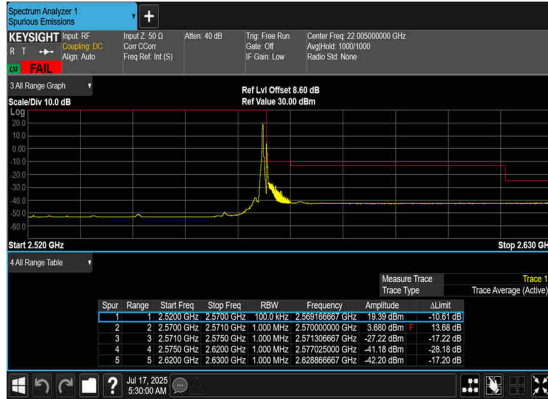


N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS

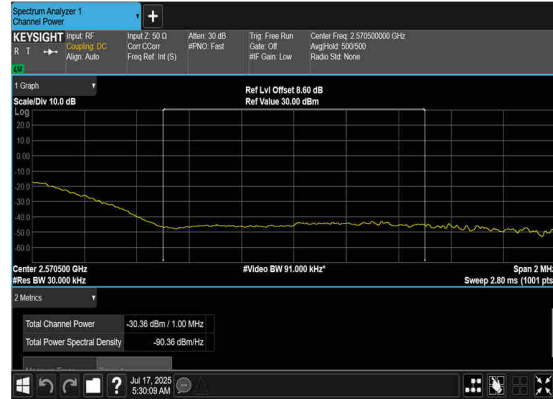




N7(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N7(50M)_DFT-s-OFDM_QPSK
_Edge_1RB_Right_High_CH_CHP_PASS



N7(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N7(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N7 Main PA (ANT6)

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	15.7	PASS	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	16.1	PASS	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	15.8	PASS	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	15.1	PASS	-30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	14.1	PASS	-20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	10.5	PASS	-10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	11.4	PASS	0℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	12.2	PASS	10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	15.7	PASS	20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	11.9	PASS	30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	11.8	PASS	40℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	11.7	PASS	50℃

|MAX(Δf)| = 16.1 Hz

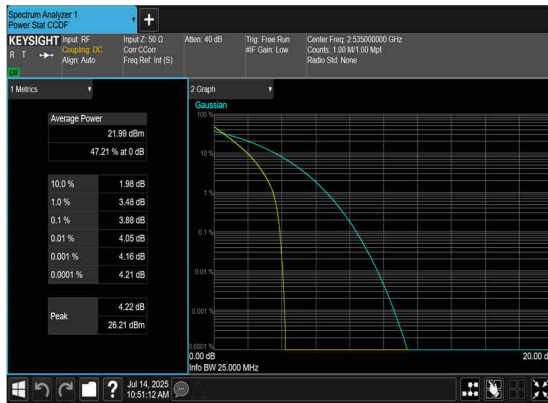
Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	2500.569384	≥ 2500 MHz	PASS
fH + MAX(Δf)	2568.431616	≤ 2570 MHz	



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	3.88	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	4.45	13	PASS

N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



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	4.4637	5.03
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.4931	5.145
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.4636	4.954
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.481	5.06
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.2728	9.993
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.3	10.08
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.2691	9.918
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.2894	9.998
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.088	14.91
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.125	14.91
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.113	14.87
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.097	15.01
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.921	19.95
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.927	19.85
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.947	19.78
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	18.968	19.85
7	15	25	507000	2535.0	CP-OFDM QPSK	133@0	23.745	24.76
7	15	25	507000	2535.0	CP-OFDM 16 QAM	133@0	23.772	25.0
7	15	25	507000	2535.0	CP-OFDM 64 QAM	133@0	23.809	24.91
7	15	25	507000	2535.0	CP-OFDM 256 QAM	133@0	23.721	24.79
7	15	30	507000	2535.0	CP-OFDM QPSK	160@0	28.631	29.71
7	15	30	507000	2535.0	CP-OFDM 16 QAM	160@0	28.592	29.5



7	15	30	507000	2535.0	CP-OFDM 64 QAM	160@0	28.567	29.6
7	15	30	507000	2535.0	CP-OFDM 256 QAM	160@0	28.56	29.8
7	15	35	507000	2535.0	CP-OFDM QPSK	188@0	33.576	34.9
7	15	35	507000	2535.0	CP-OFDM 16 QAM	188@0	33.542	34.8
7	15	35	507000	2535.0	CP-OFDM 64 QAM	188@0	33.678	34.79
7	15	35	507000	2535.0	CP-OFDM 256 QAM	188@0	33.586	34.8
7	15	40	507000	2535.0	CP-OFDM QPSK	216@0	38.611	40.1
7	15	40	507000	2535.0	CP-OFDM 16 QAM	216@0	38.585	40.04
7	15	40	507000	2535.0	CP-OFDM 64 QAM	216@0	38.565	40.04
7	15	40	507000	2535.0	CP-OFDM 256 QAM	216@0	38.558	39.83
7	15	50	507000	2535.0	CP-OFDM QPSK	270@0	48.246	49.93
7	15	50	507000	2535.0	CP-OFDM 16 QAM	270@0	48.184	49.78
7	15	50	507000	2535.0	CP-OFDM 64 QAM	270@0	48.254	49.78
7	15	50	507000	2535.0	CP-OFDM 256 QAM	270@0	48.161	49.82



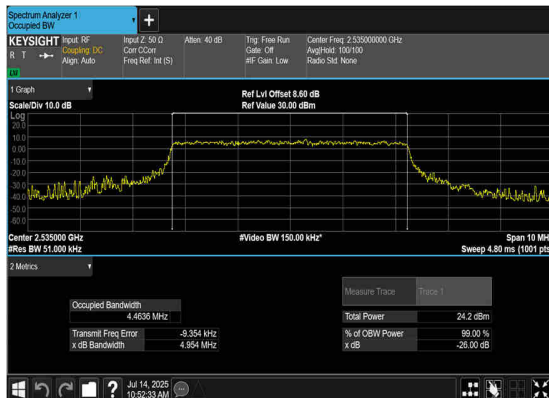
N7(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N7(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N7(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N7(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





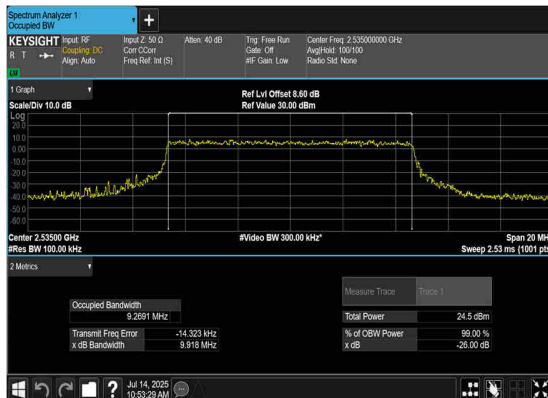
N7(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



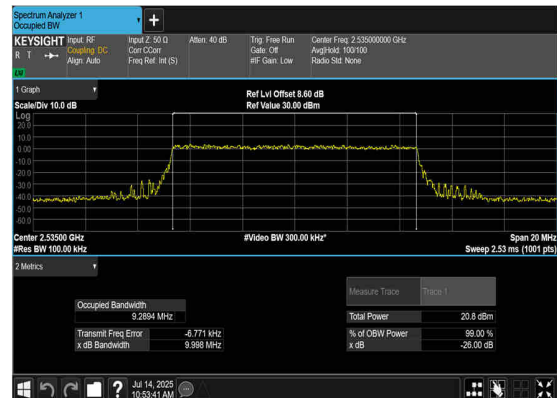
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QAM_Outer_Full_Mid_CH



N7(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

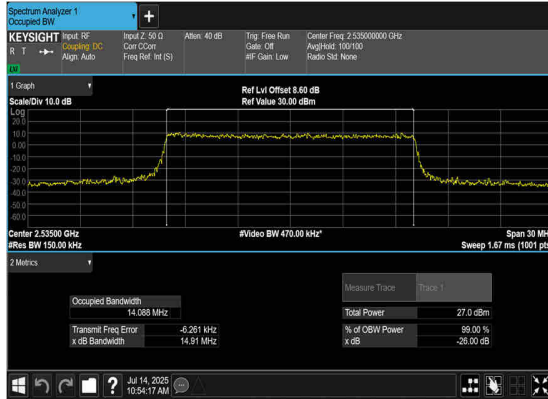


N7(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

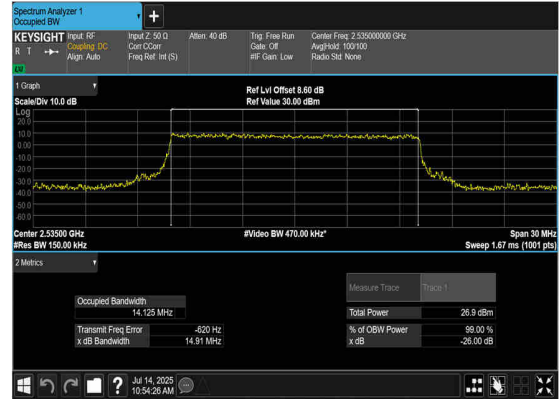




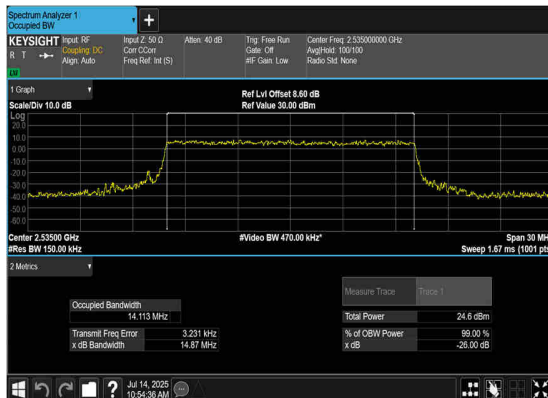
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OFDM_QPSK_Outer_Full_Mid_CH



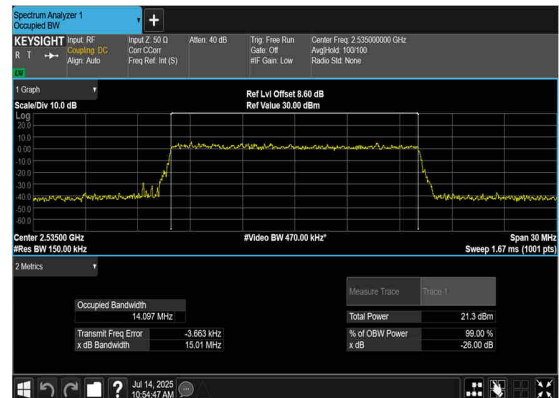
N7(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N7(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N7(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

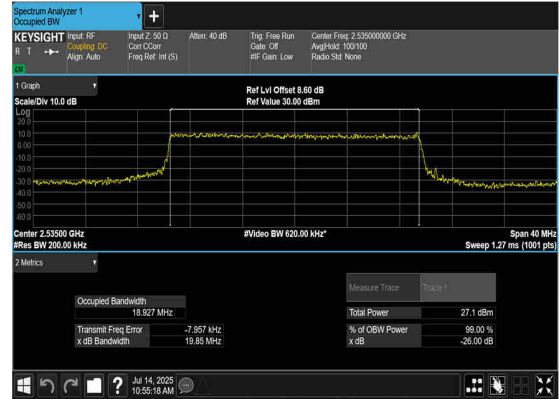




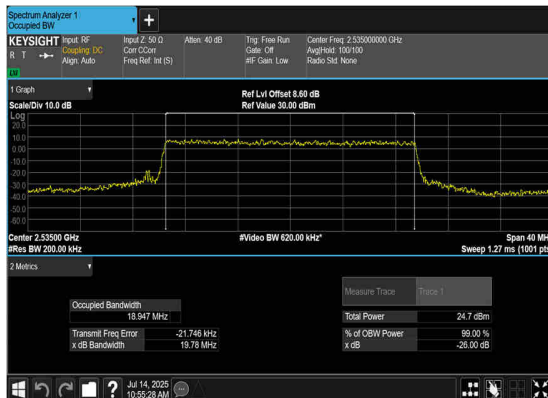
N7(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



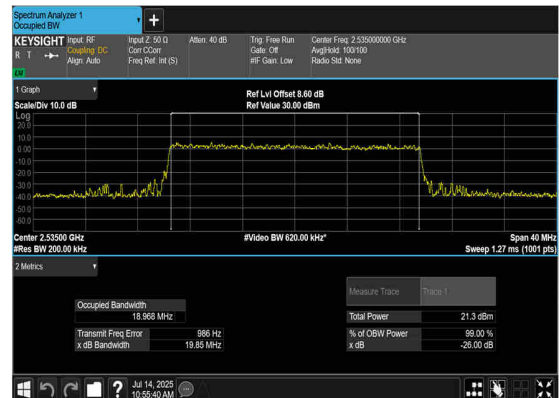
N7(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N7(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N7(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





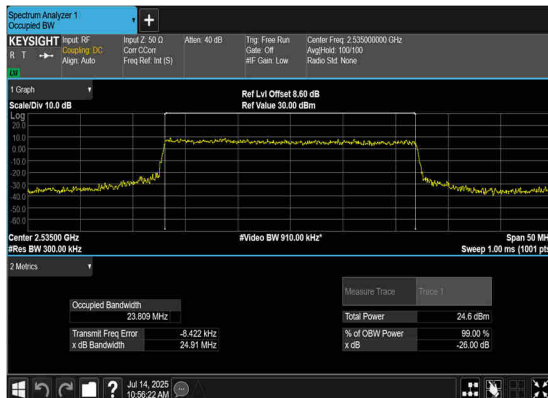
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OFDM_QPSK_Outer_Full_Mid_CH



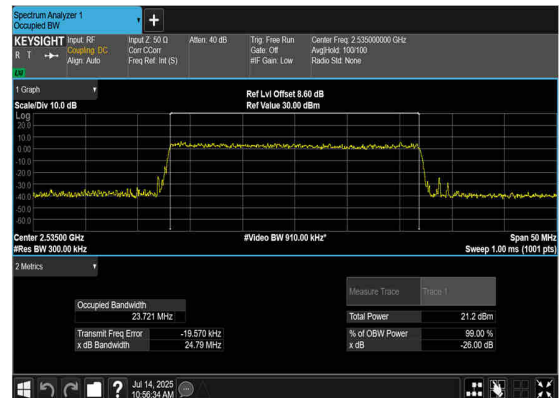
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QAM_Outer_Full_Mid_CH



N7(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

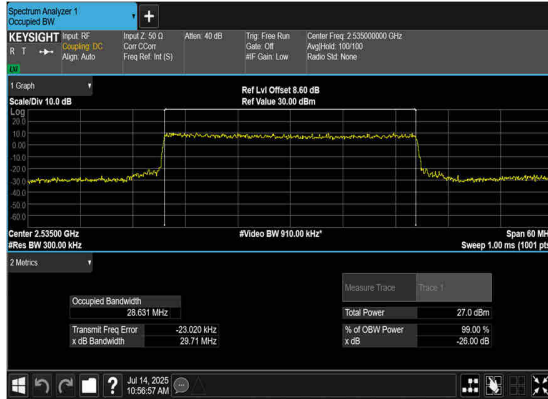


N7(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





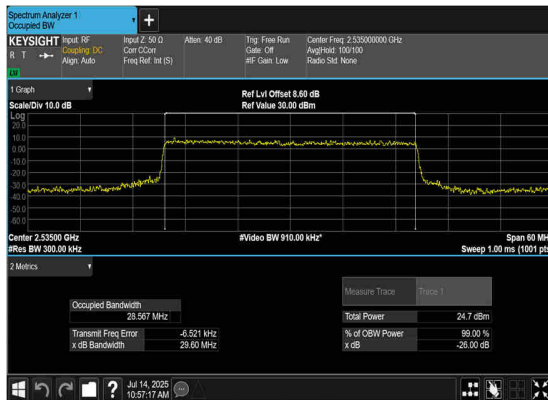
N7(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



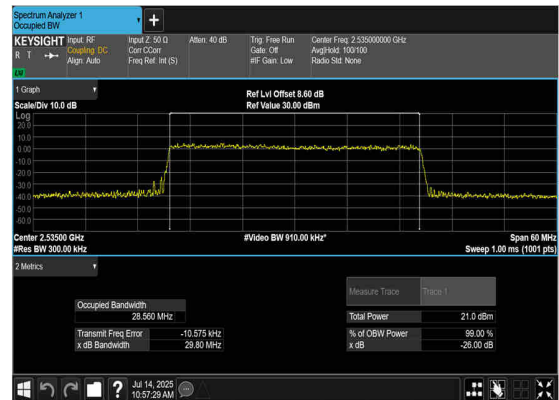
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QAM_Outer_Full_Mid_CH



N7(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

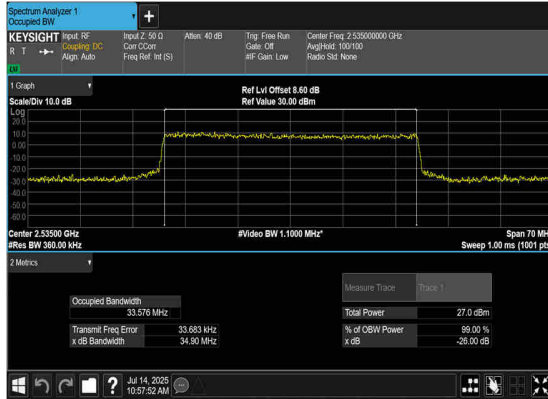


N7(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

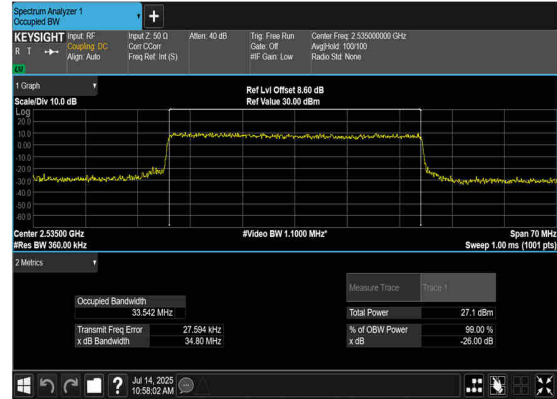




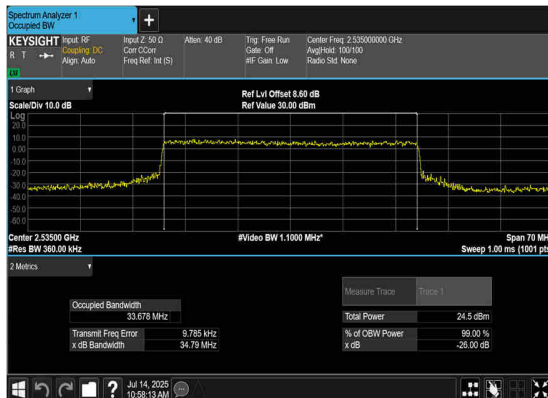
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OFDM_QPSK_Outer_Full_Mid_CH



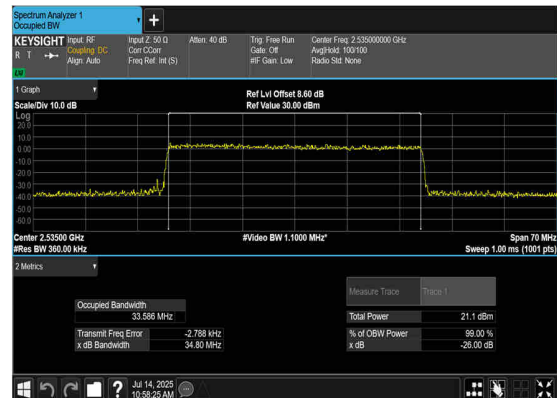
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QAM_Outer_Full_Mid_CH



N7(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

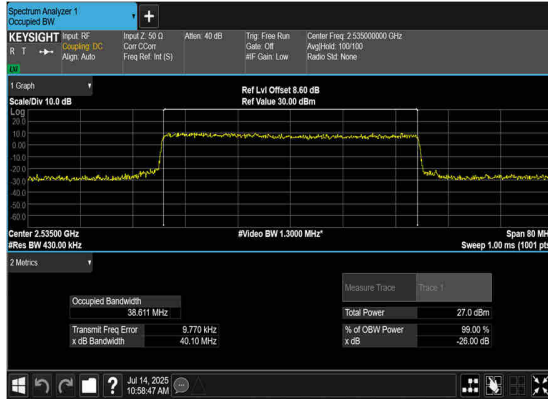


N7(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

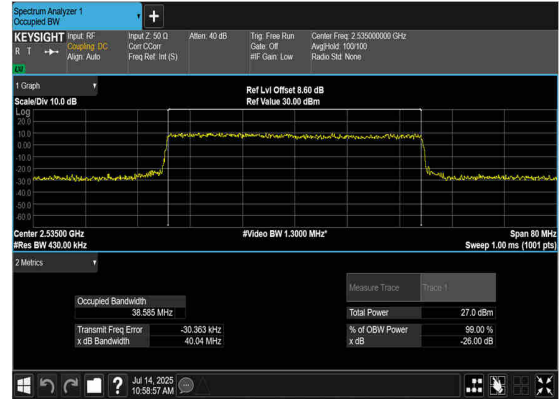




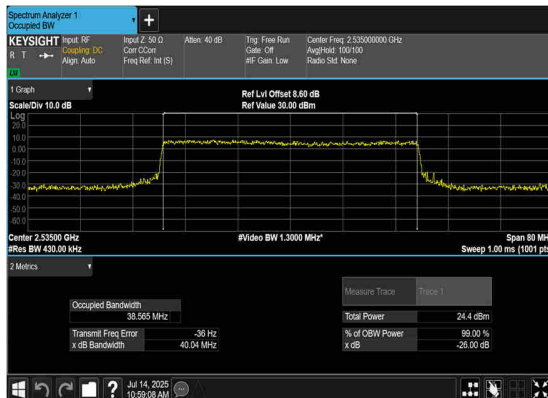
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OFDM_QPSK_Outer_Full_Mid_CH



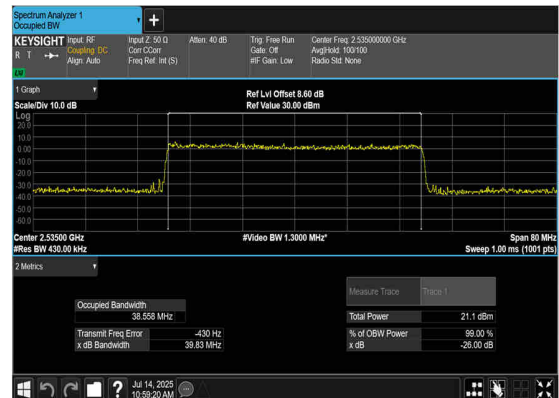
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QAM_Outer_Full_Mid_CH



N7(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

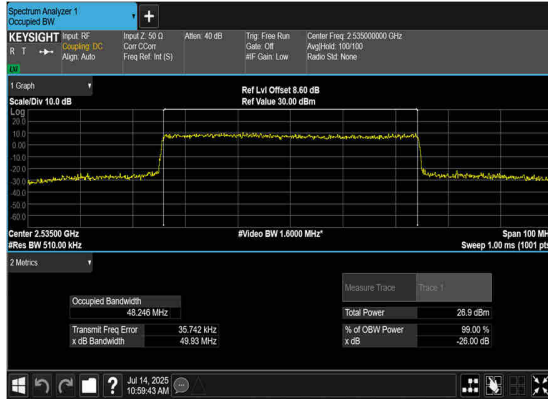


N7(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

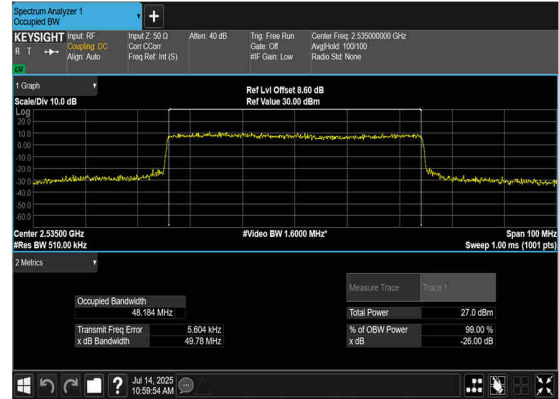




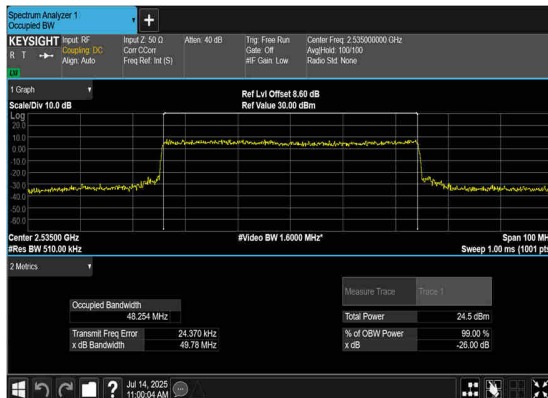
N7(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



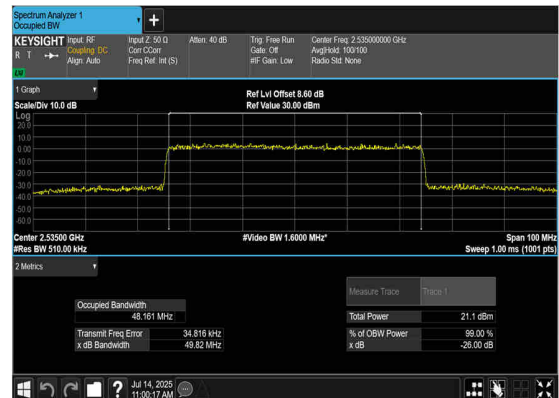
N7(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N7(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N7(50M)_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	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	PASS

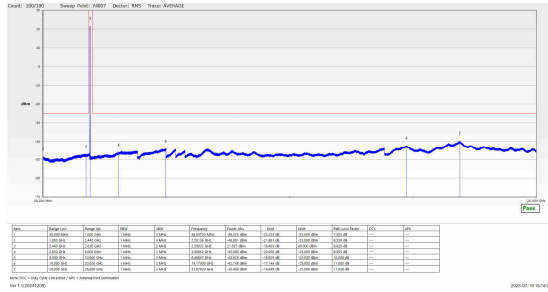


7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

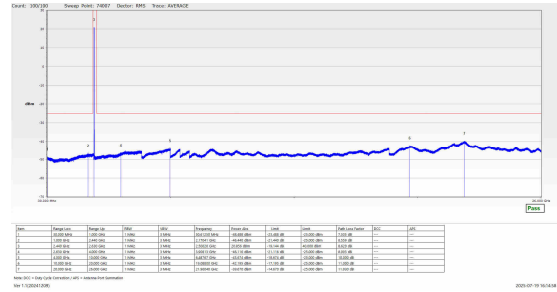


7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

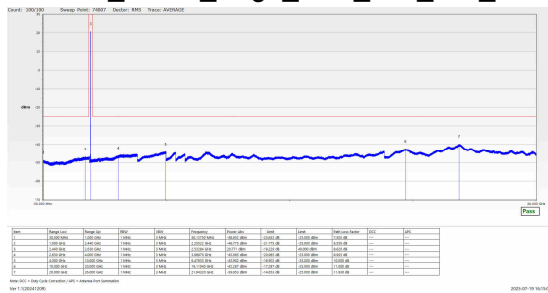
N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



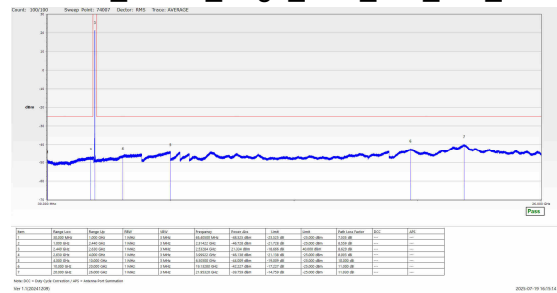
N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

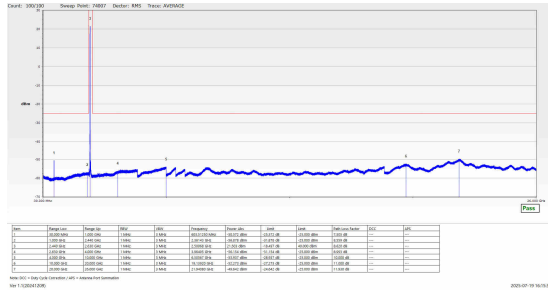


N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

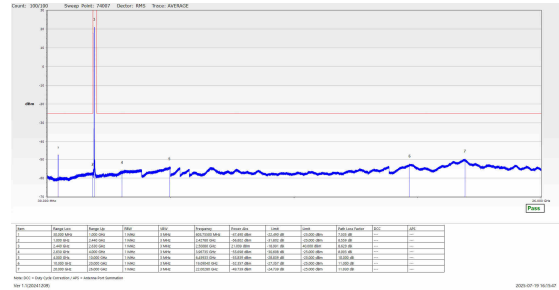




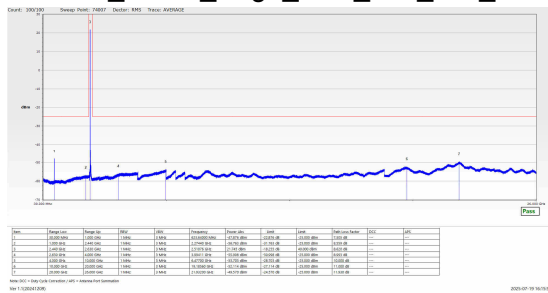
N7(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



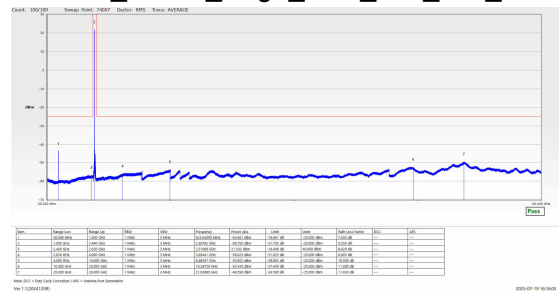
N7(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

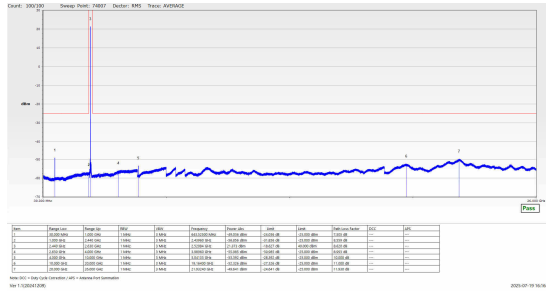


N7(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

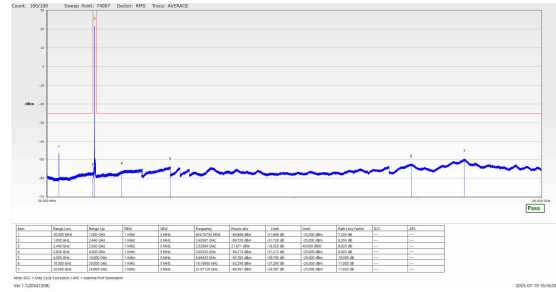




N7(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N7(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

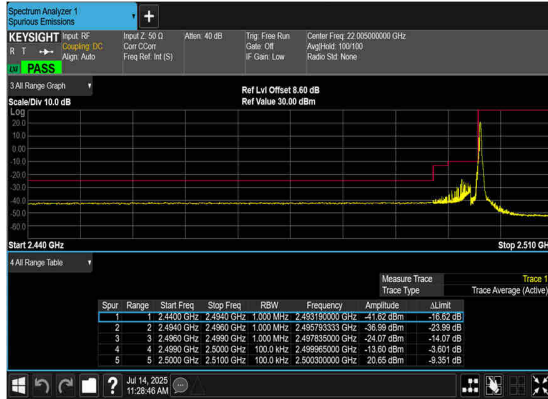
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	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	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



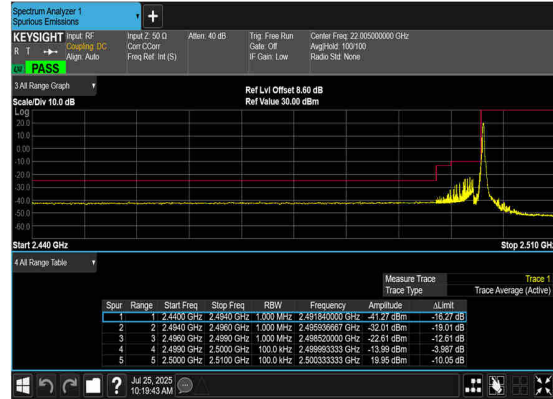
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



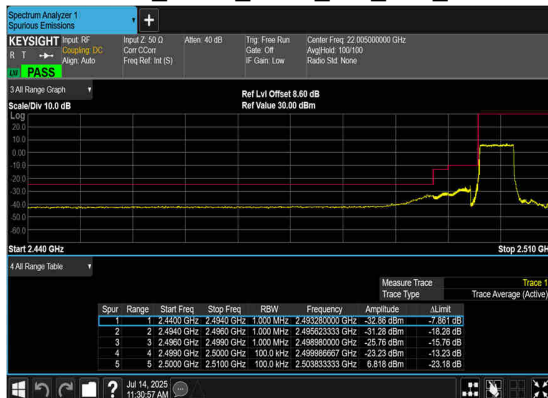
N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



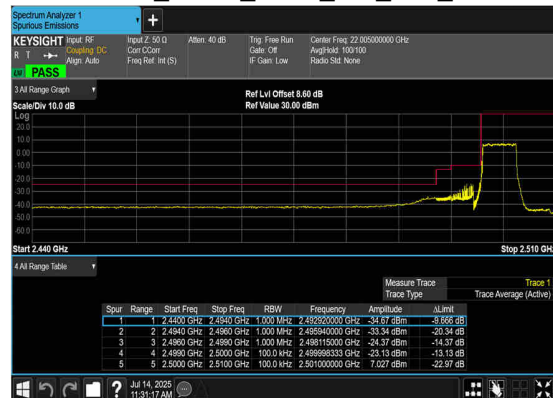
N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

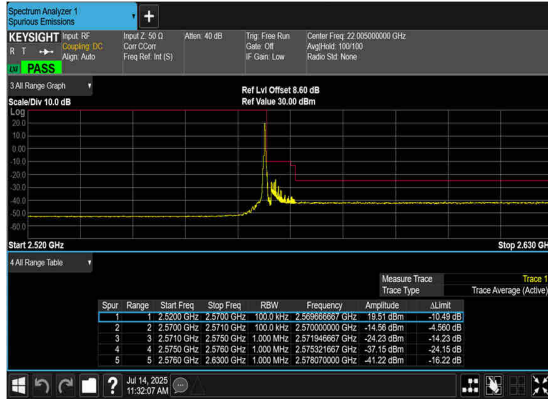


N7(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

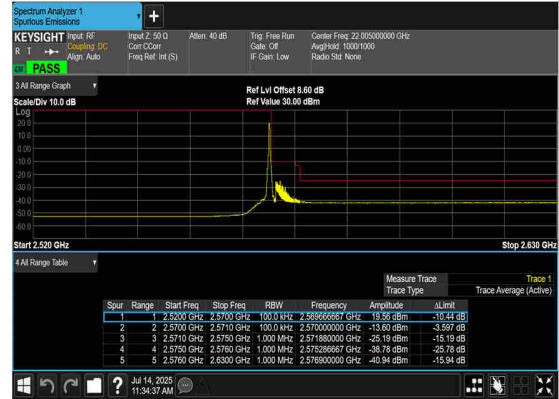




N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N7(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N7(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

