



N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(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)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4673	4.979
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4716	5.069
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4598	5.021
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4758	4.991
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2999	10.16
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.3021	9.952
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2668	9.936
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2886	9.884
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.111	14.95
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.113	14.81
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.104	14.84
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.09	14.9
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.918	19.95
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.952	19.9
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.934	19.77
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.912	19.65
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.784	24.9
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.714	24.72
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.793	24.78
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.742	24.71
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.583	29.56
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.555	29.57



25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.513	29.64
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.537	29.84
25	15	35	376500	1882.5	CP-OFDM QPSK	188@0	33.614	34.76
25	15	35	376500	1882.5	CP-OFDM 16 QAM	188@0	33.605	34.93
25	15	35	376500	1882.5	CP-OFDM 64 QAM	188@0	33.56	34.86
25	15	35	376500	1882.5	CP-OFDM 256 QAM	188@0	33.587	34.64
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.654	39.91
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.586	40.08
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.656	39.91
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.569	39.9



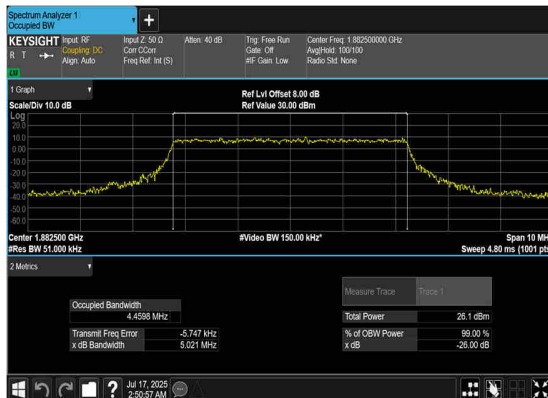
N25(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

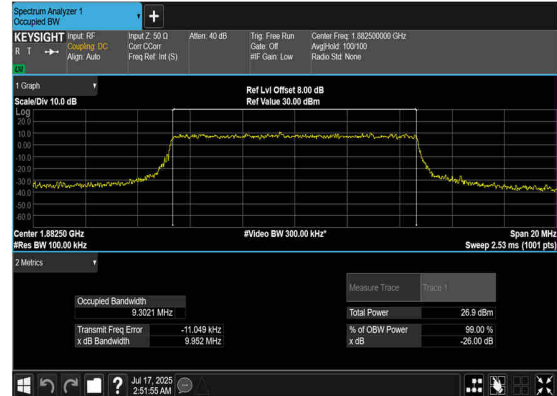




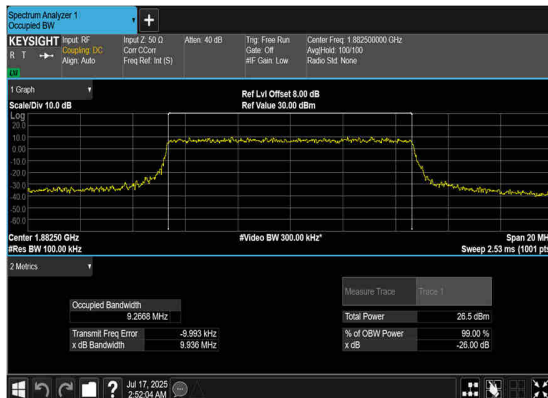
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OFDM_QPSK_Outer_Full_Mid_CH



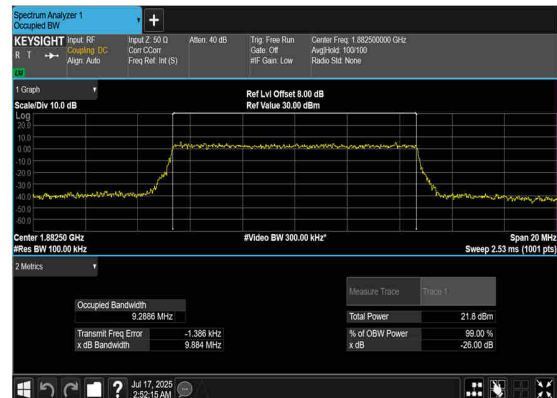
N25(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

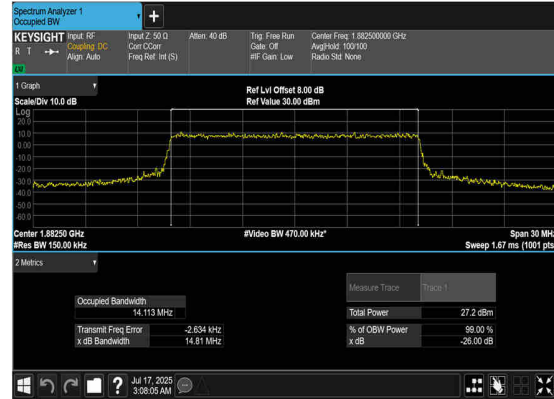




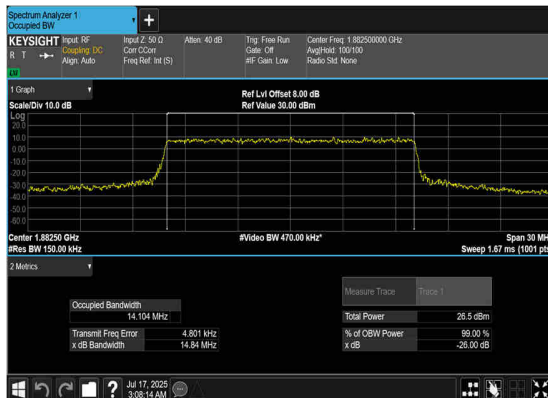
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OFDM_QPSK_Outer_Full_Mid_CH



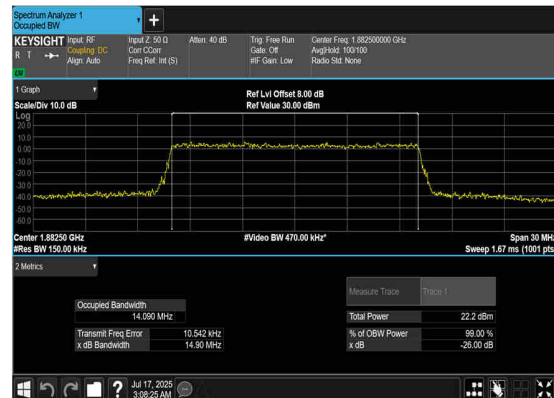
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QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





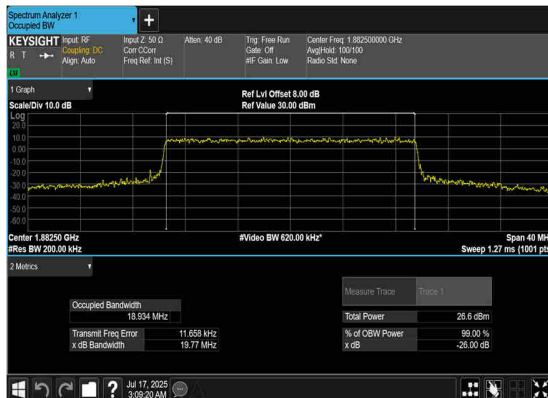
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OFDM_QPSK_Outer_Full_Mid_CH



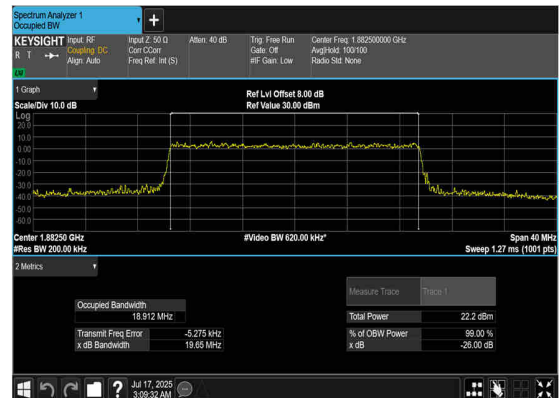
N25(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

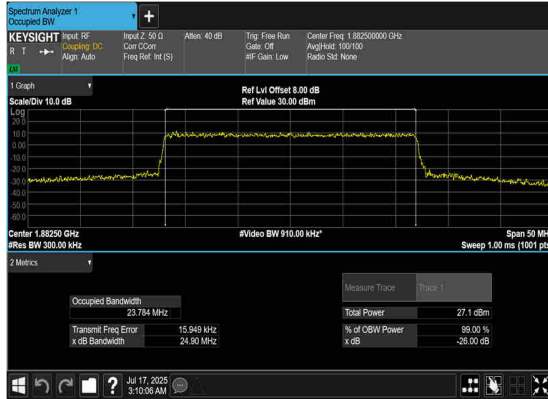


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QAM_Outer_Full_Mid_CH

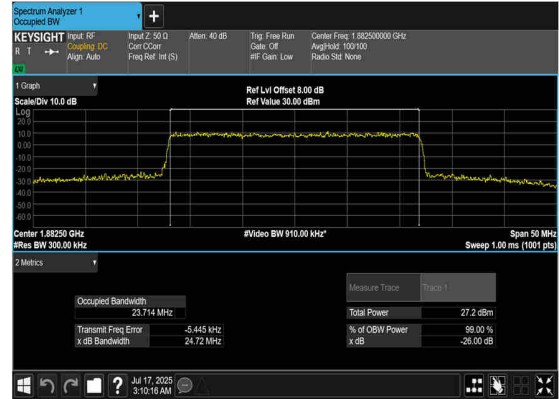




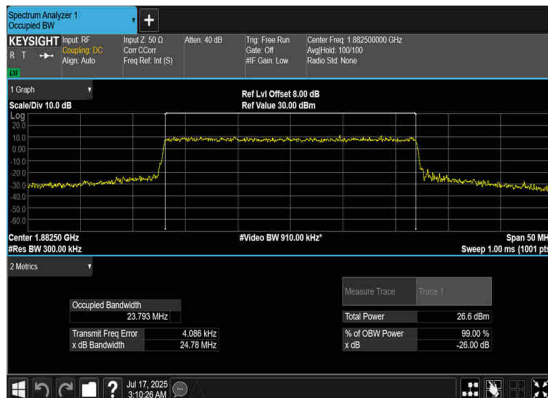
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OFDM_QPSK_Outer_Full_Mid_CH



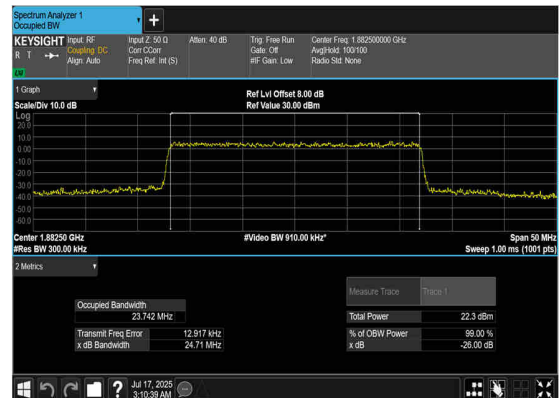
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QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

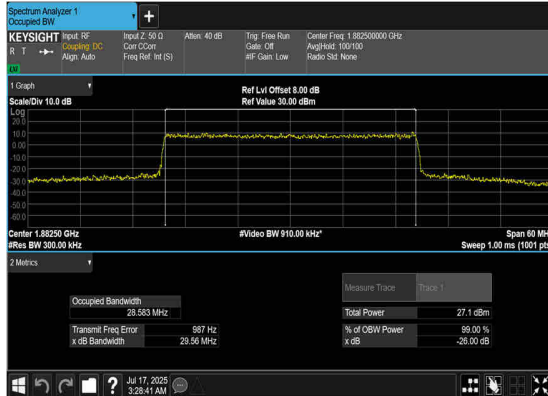


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QAM_Outer_Full_Mid_CH

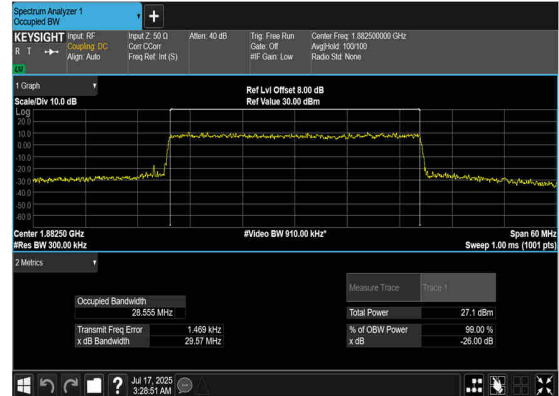




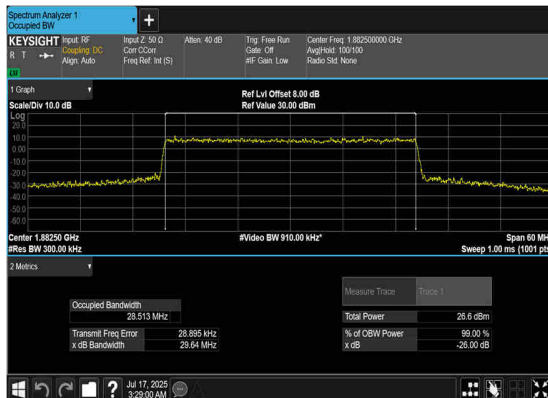
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OFDM_QPSK_Outer_Full_Mid_CH



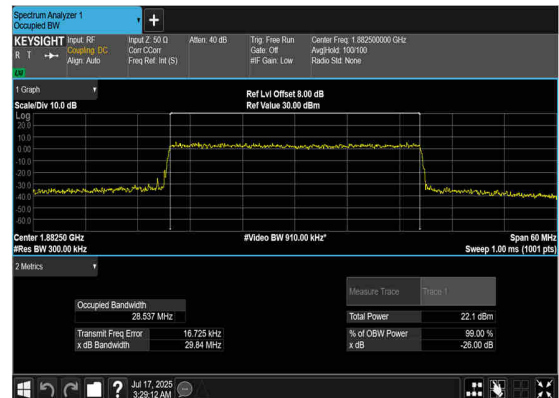
N25(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

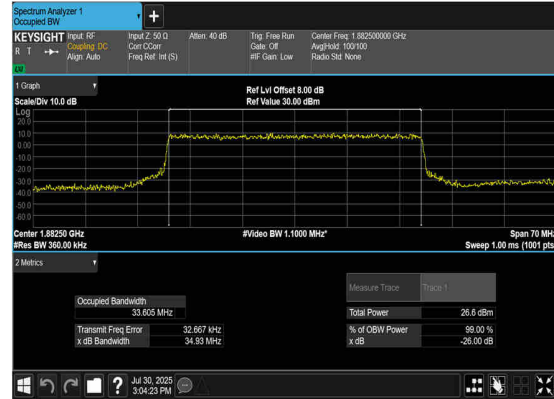




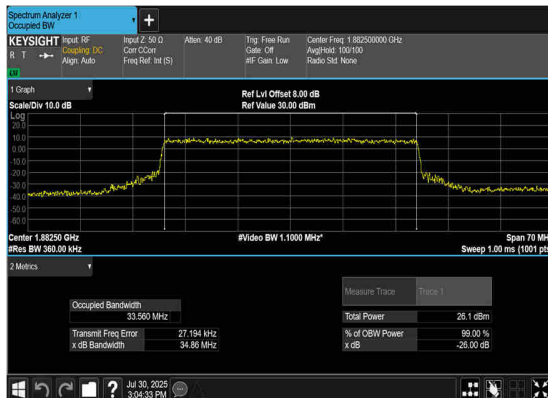
N25(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



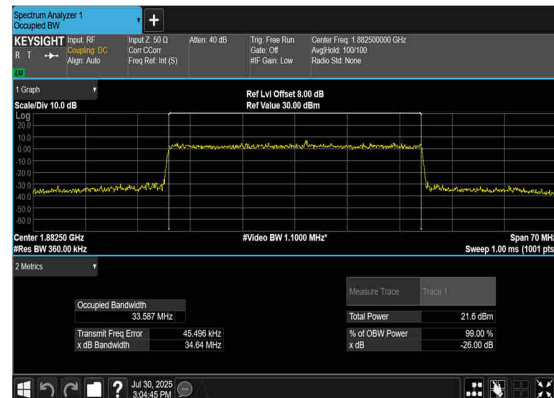
N25(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

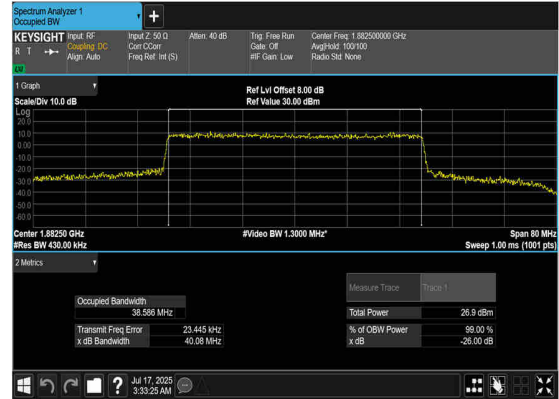




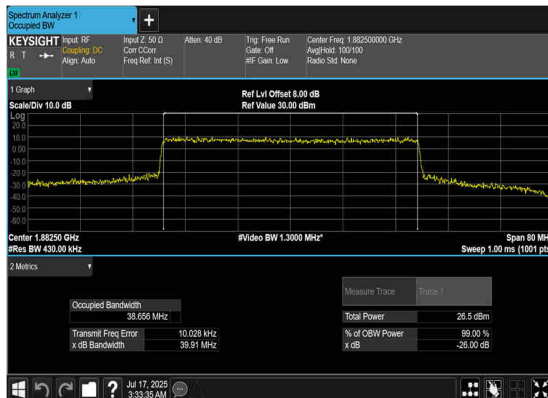
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OFDM_QPSK_Outer_Full_Mid_CH



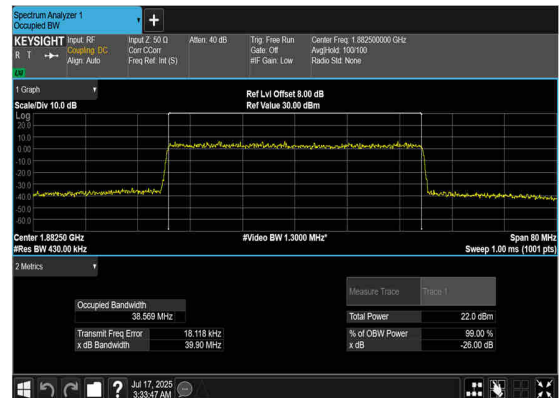
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QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

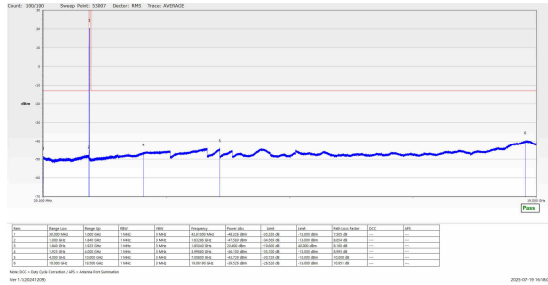
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
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25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



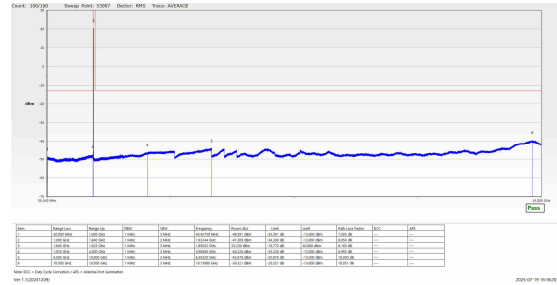
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25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



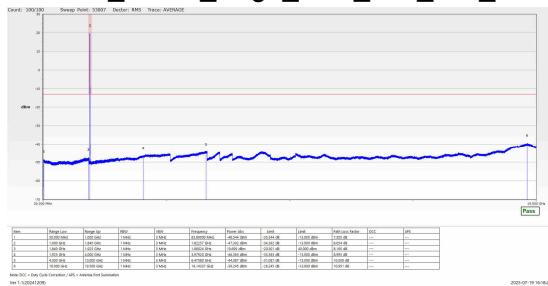
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



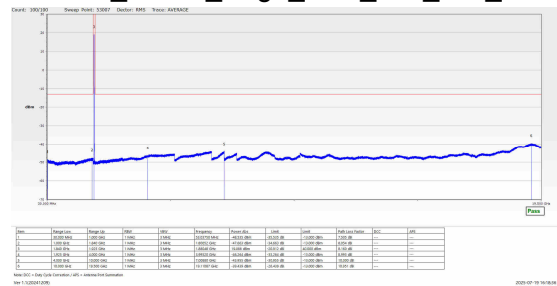
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

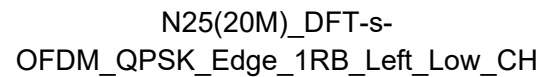
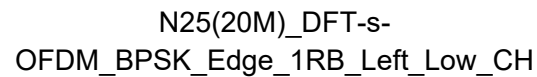
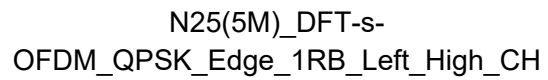


N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

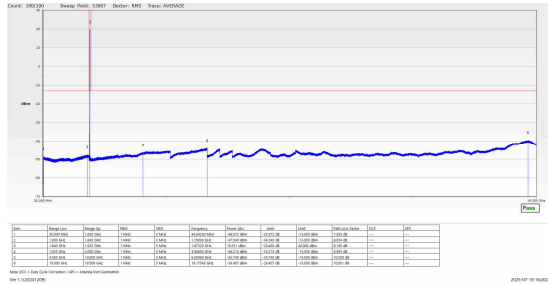


N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

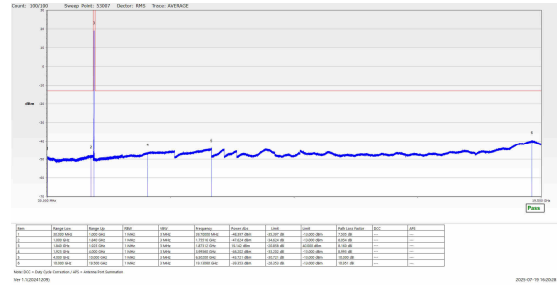




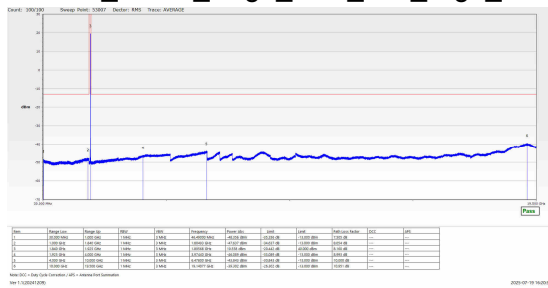
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



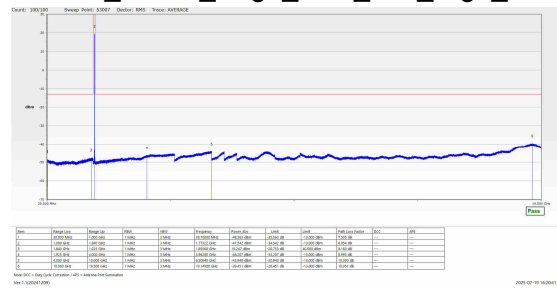
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

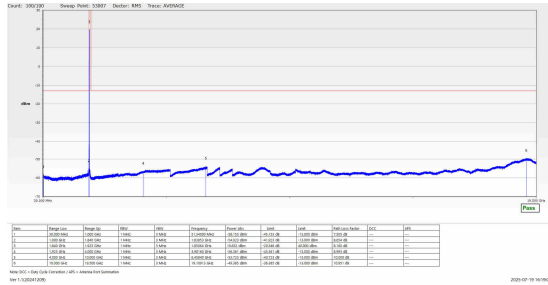


N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

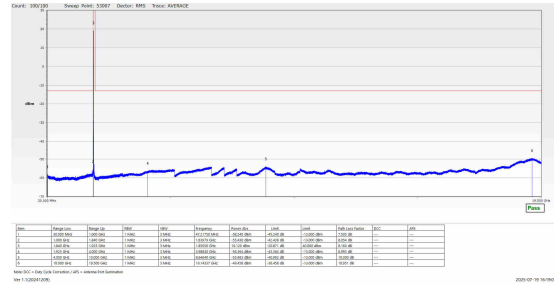




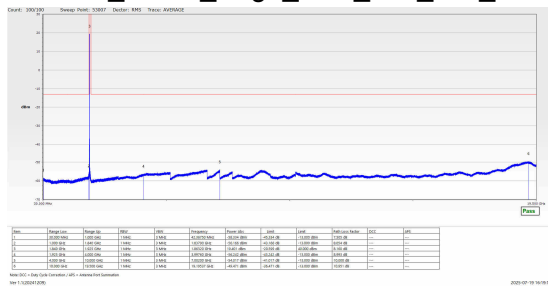
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



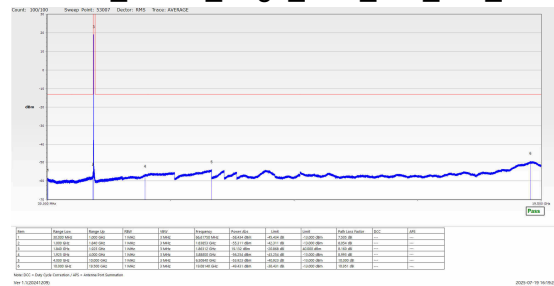
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

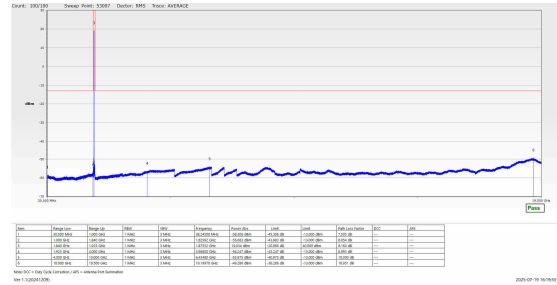
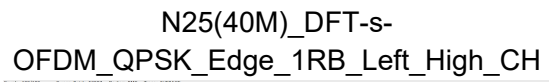


N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

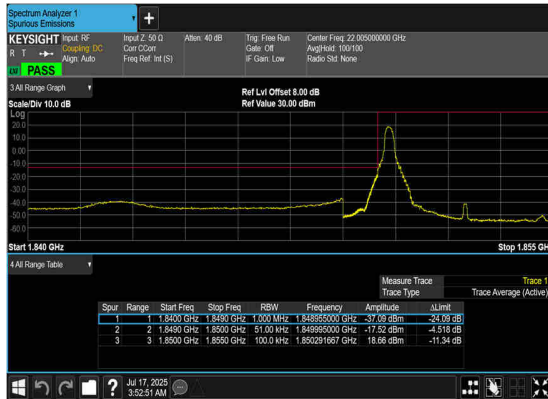
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
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25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	216@0	see graph	PASS



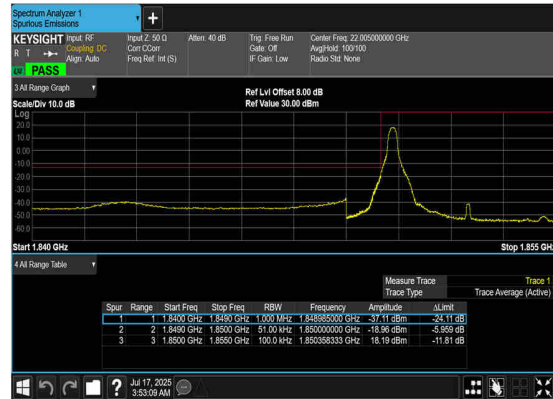
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	216@0	see graph	PASS



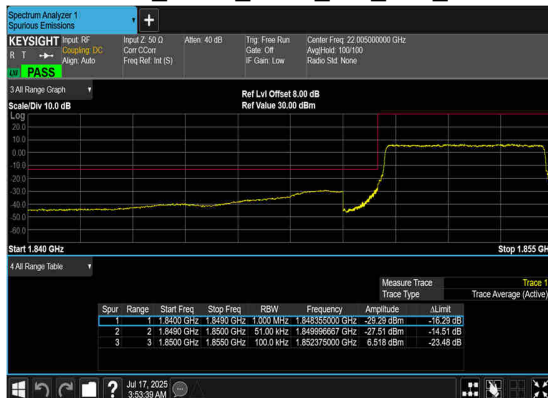
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



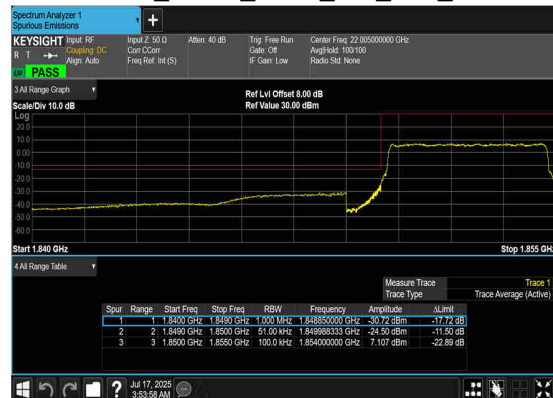
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

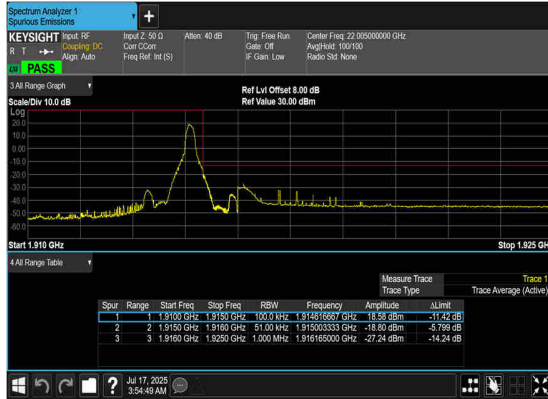


N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

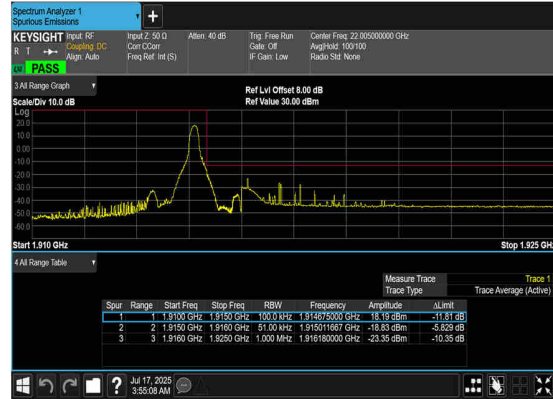




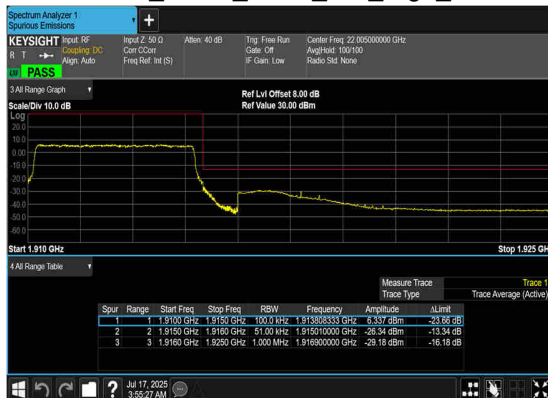
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



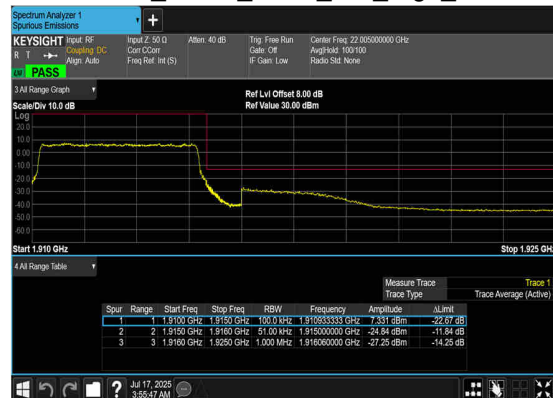
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OFDM_QPSK_Edge_1RB_Right_High_CH



N25(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

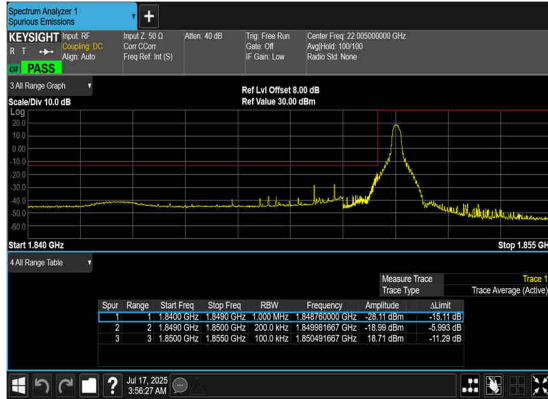


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OFDM_QPSK_Outer_Full_High_CH

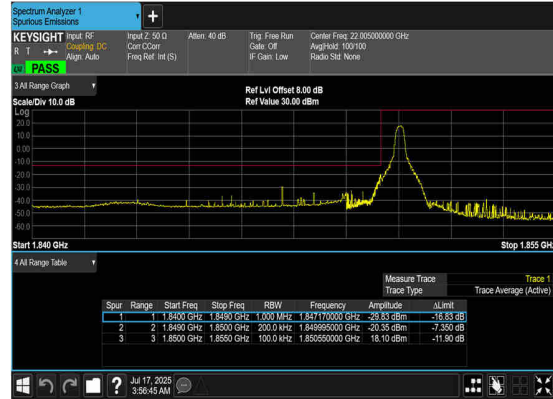




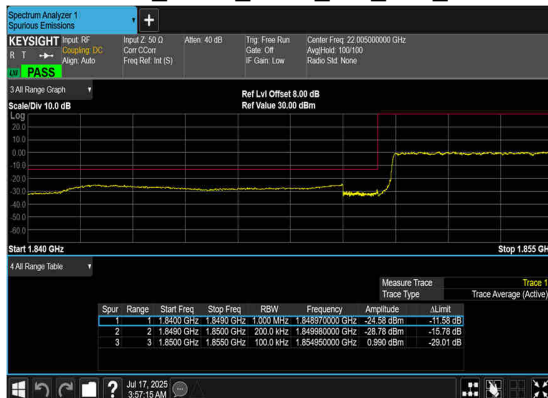
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OFDM_BPSK_Edge_1RB_Left_Low_CH



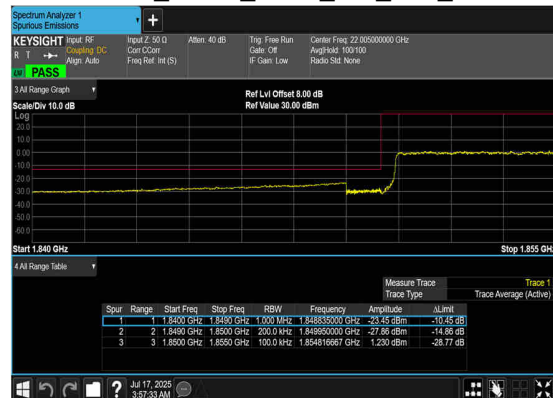
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

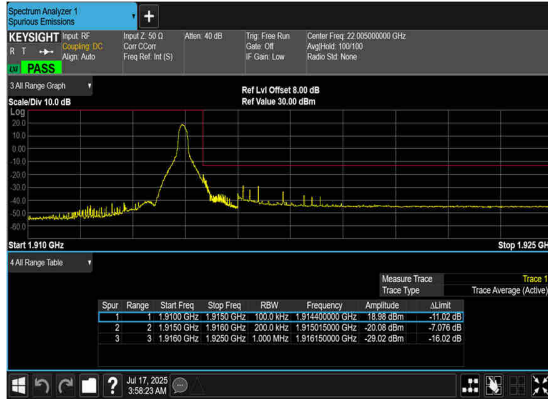


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OFDM_QPSK_Outer_Full_Low_CH

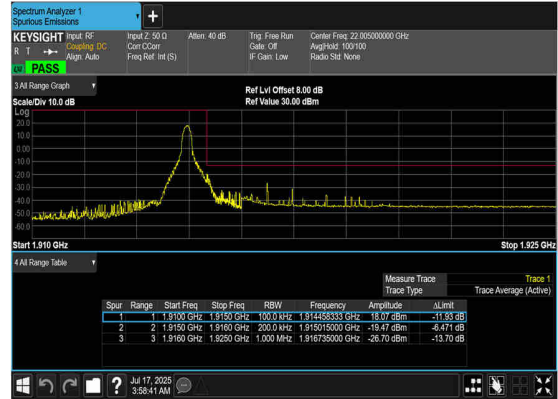




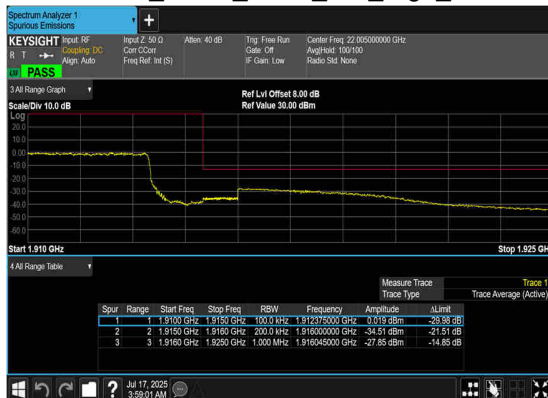
N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N25(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

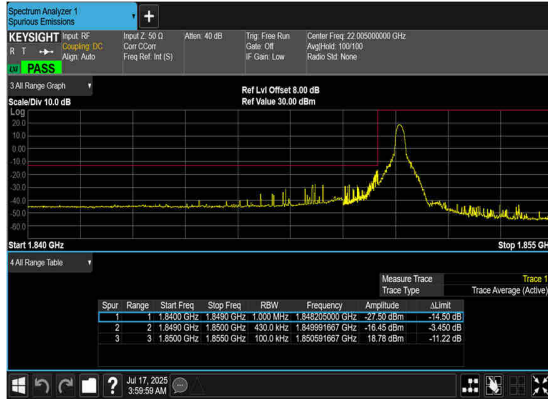


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OFDM_QPSK_Outer_Full_High_CH

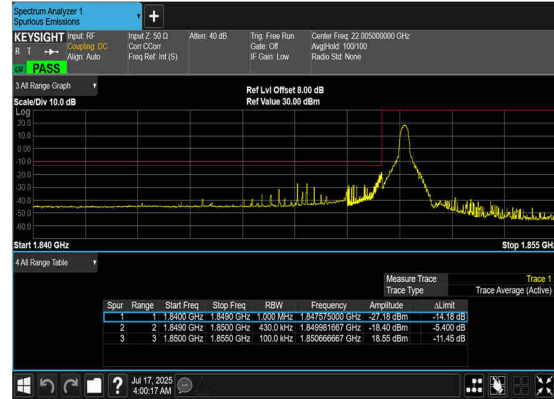




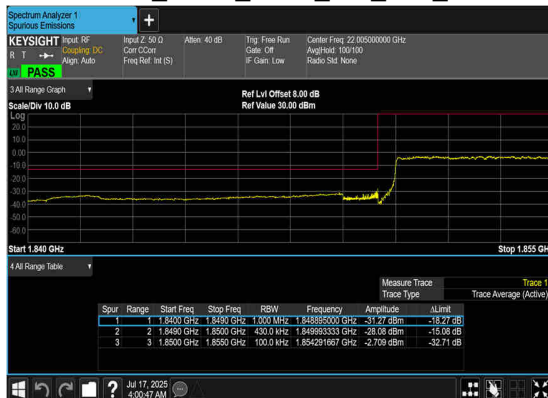
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OFDM_BPSK_Edge_1RB_Left_Low_CH



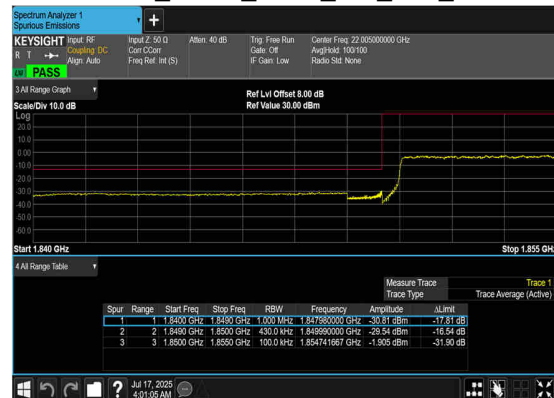
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

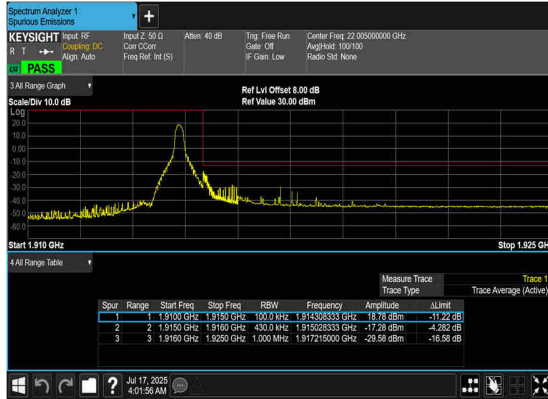


N25(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

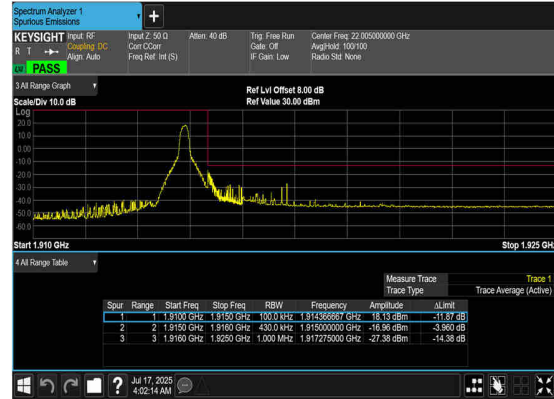




N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



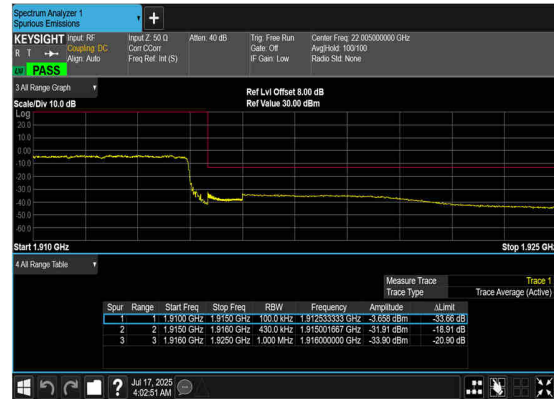
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N25(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N25(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N25 ANT6 - Main PA

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.2	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	18.5	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	15	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	13.3	PASS	-30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16.3	PASS	-20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	9.9	PASS	-10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	9.7	PASS	0°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	16	PASS	10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.2	PASS	20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	11.4	PASS	30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	12.1	PASS	40°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	18.2	PASS	50°C

|MAX(Δf)| = 18.5 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	1850.489482	≥ 1850 MHz	PASS
fH + MAX(Δf)	1913.431619	≤ 1915 MHz	



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	3.81	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.46	13	PASS



N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(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)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4793	5.071
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4809	5.071
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4714	5.023
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4837	5.043
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2935	10.08
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2957	10.05
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2869	9.81
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2924	10.01
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.095	15.0
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.103	14.96
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.112	14.93
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.086	14.95
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.948	19.72
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.954	19.83
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.971	19.8
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.936	19.93
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.771	24.68
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.738	24.78
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.828	24.85
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.752	24.87
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.616	29.55
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.581	29.67



25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.553	29.64
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.506	29.81
25	15	35	376500	1882.5	CP-OFDM QPSK	188@0	33.549	34.88
25	15	35	376500	1882.5	CP-OFDM 16 QAM	188@0	33.501	34.81
25	15	35	376500	1882.5	CP-OFDM 64 QAM	188@0	33.525	34.69
25	15	35	376500	1882.5	CP-OFDM 256 QAM	188@0	33.519	34.77
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.516	39.86
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.587	40.07
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.539	40.0
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.559	39.87