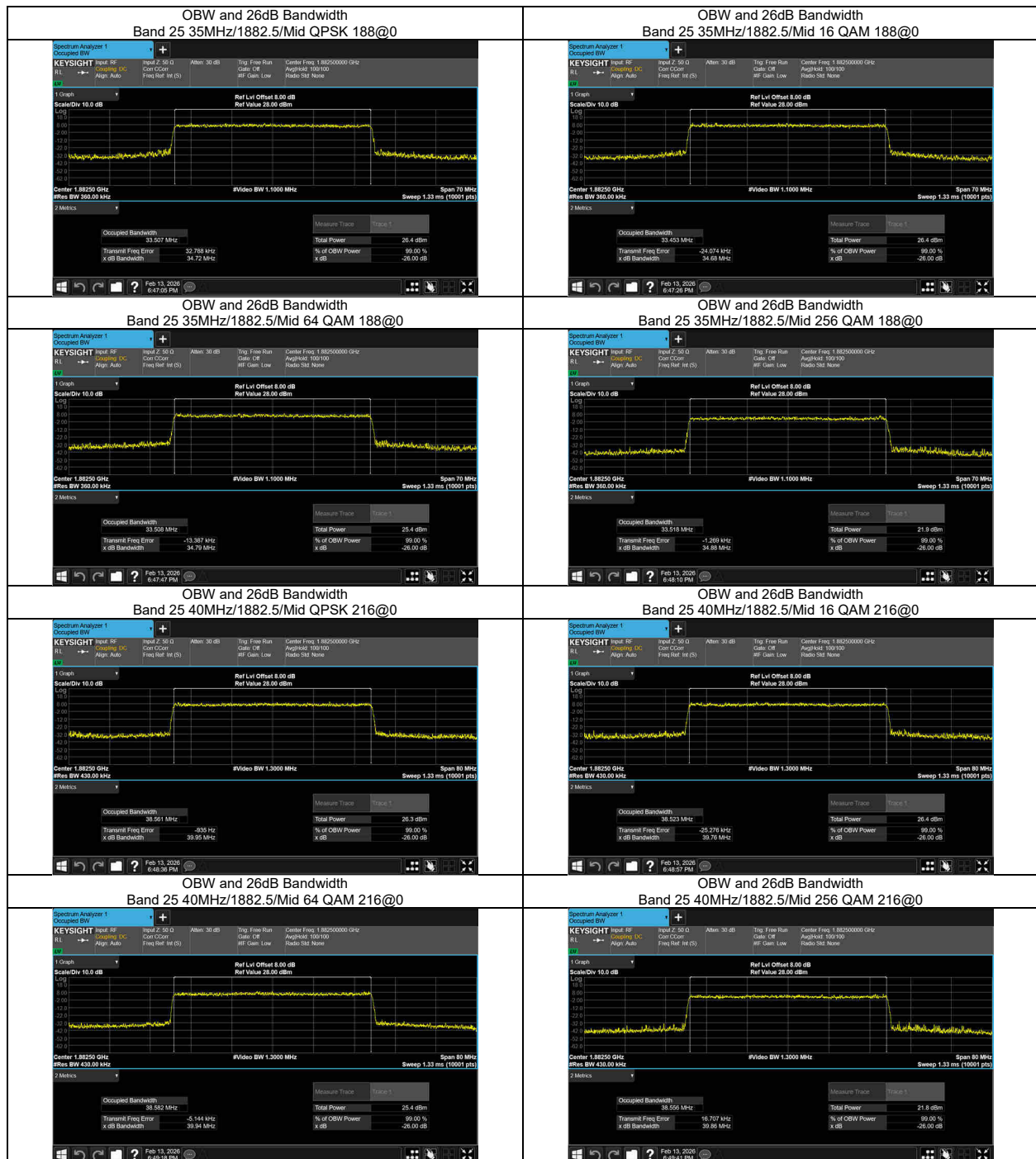






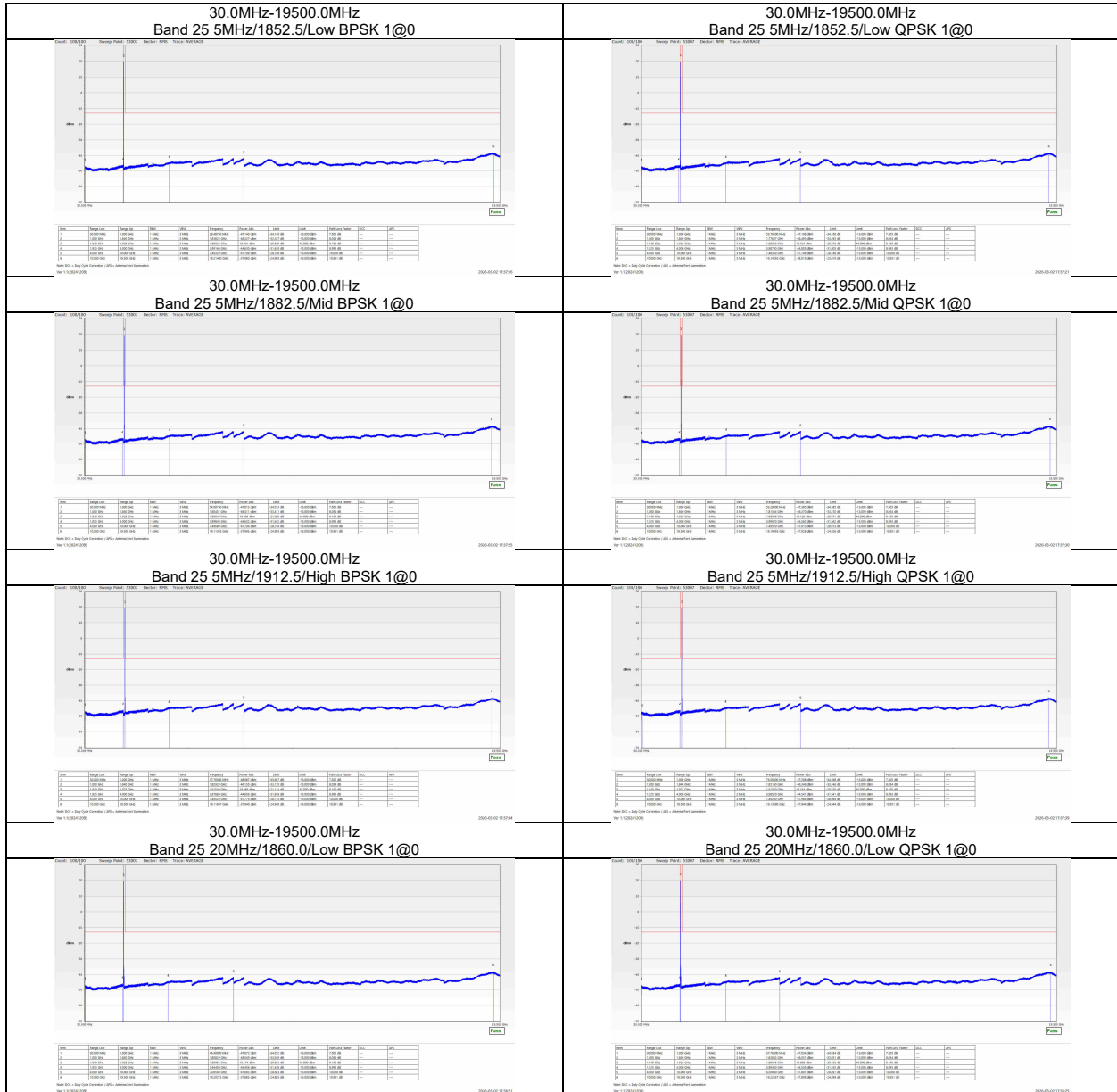
Conducted Spurious Emissions

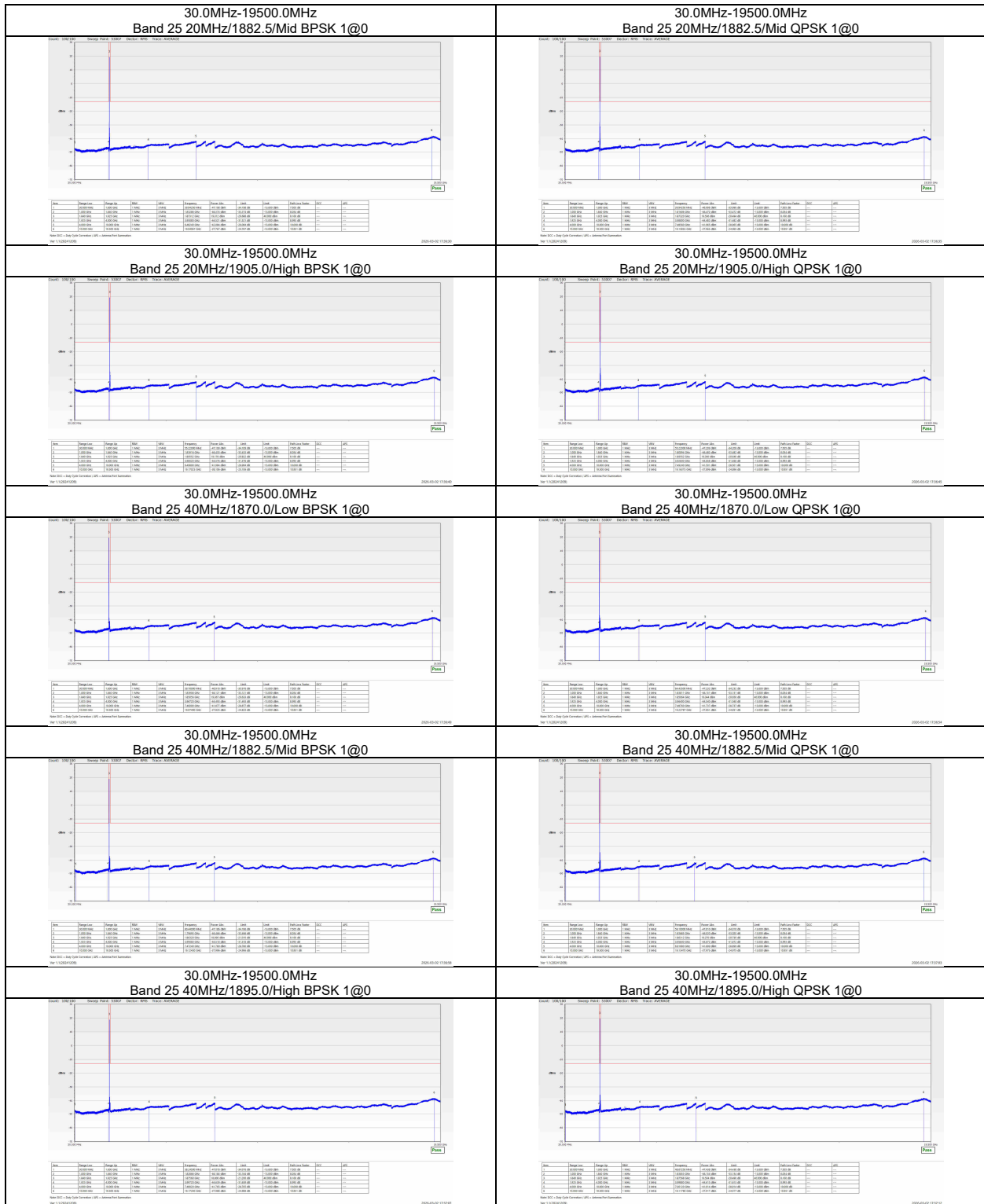
Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	See graph	---
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	See graph	---
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	See graph	---



Test Graphs







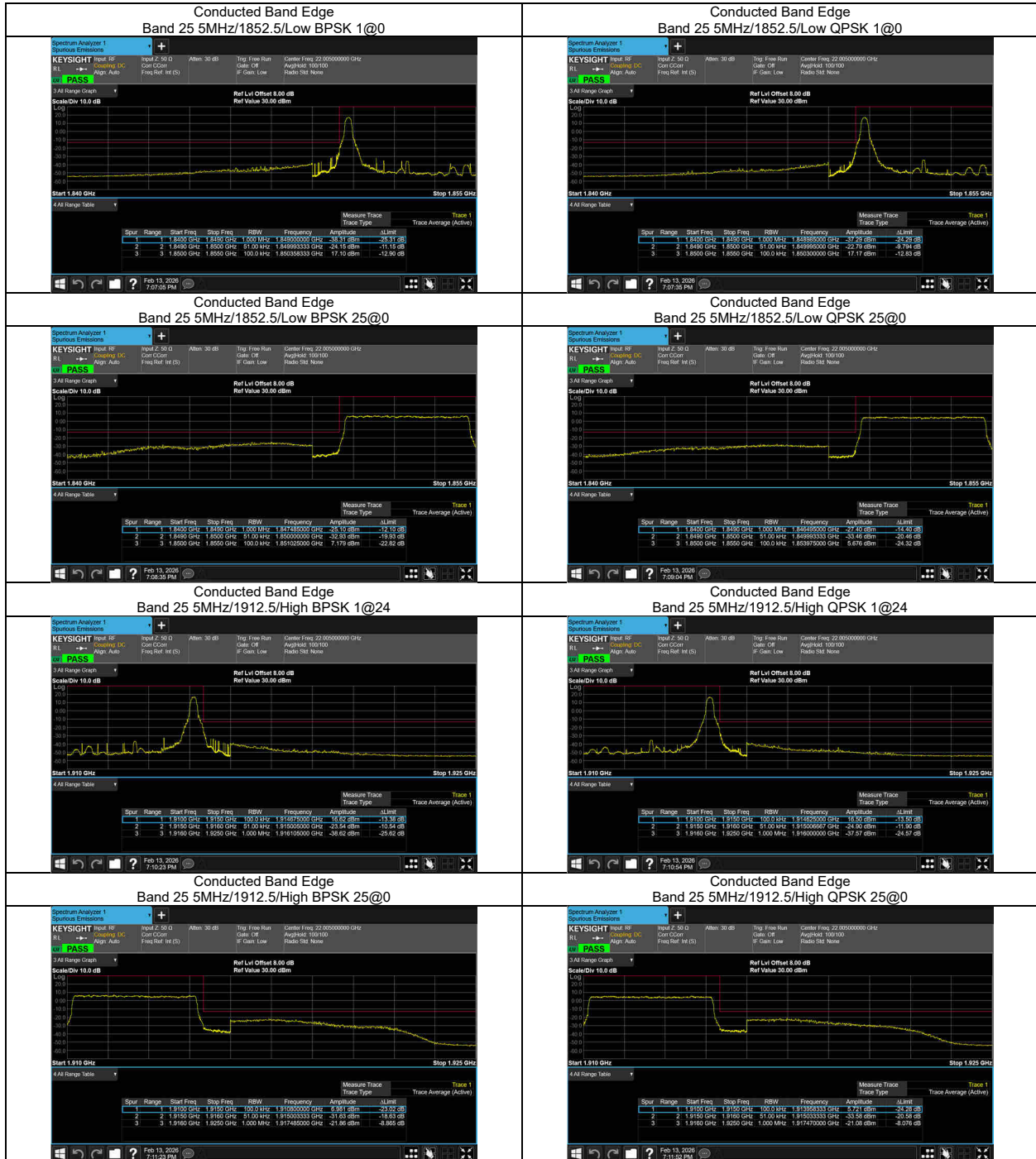
Conducted Band Edge

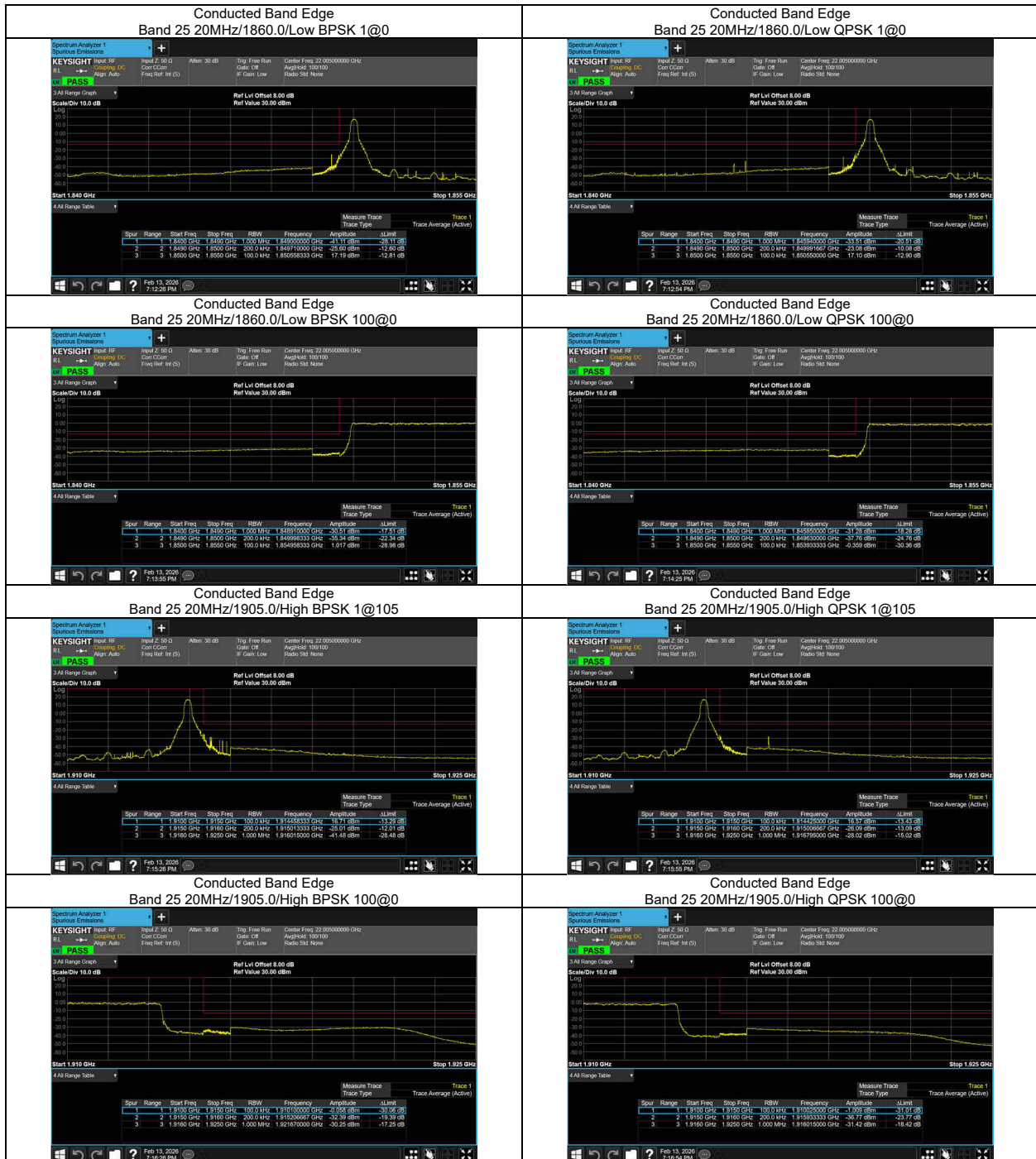
Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
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	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



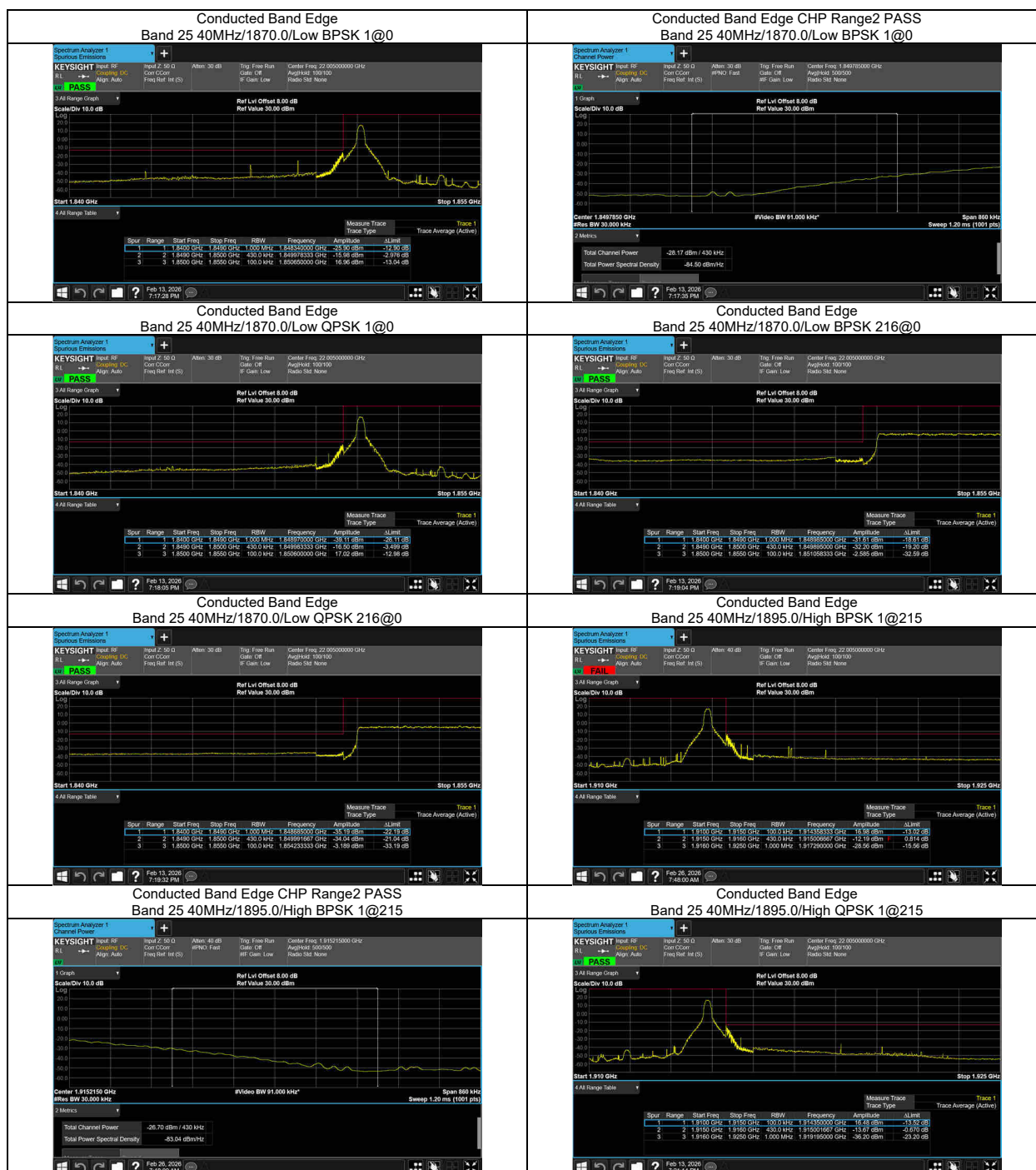
Test Graphs

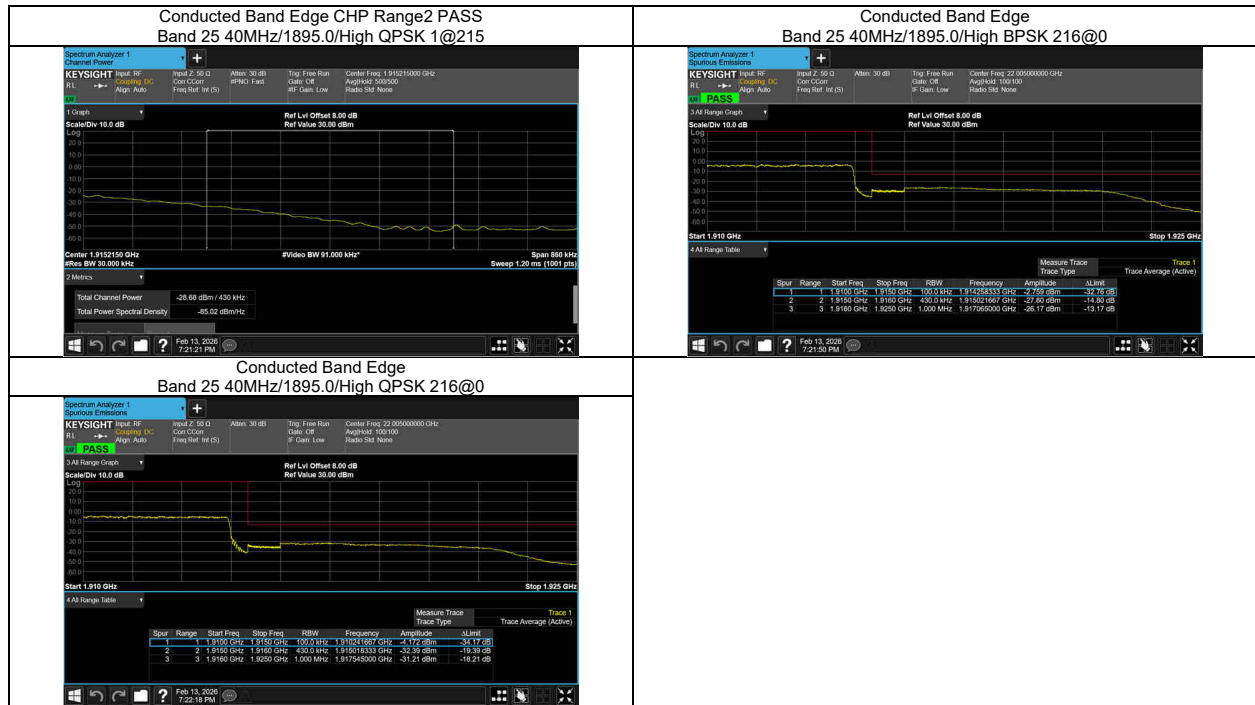






Report No. : FG612609L







RF N25_ANT1 (PA Reference Designator)

Frequency Stability

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	14.7	PASS	NV
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	11.6	PASS	LV
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	14.1	PASS	HV
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	13.1	PASS	-30℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	12.1	PASS	-20℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	14	PASS	-10℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	17.4	PASS	0℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	15.6	PASS	10℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	14.7	PASS	20℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	16.4	PASS	30℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	17.3	PASS	40℃
25	15	20	272000	1860	DFT-s-OFDM QPSK	100@0	12.6	PASS	50℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.5	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	12	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.4	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14	PASS	-30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	17.7	PASS	-20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.4	PASS	-10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.7	PASS	0℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.8	PASS	10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.5	PASS	20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	12.4	PASS	30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.5	PASS	40℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.3	PASS	50℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	17.3	PASS	NV
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	16.6	PASS	LV
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	15.5	PASS	HV



NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	12.2	PASS	-30℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	19.4	PASS	-20℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	11.2	PASS	-10℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	18.4	PASS	0℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	10.5	PASS	10℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	17.3	PASS	20℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	14.5	PASS	30℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	17.2	PASS	40℃
25	15	20	381000	1905	DFT-s-OFDM QPSK	100@0	13.8	PASS	50℃

$|\text{MAX}(\Delta f)| = 19.4 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1850.529481	$\geq 1850 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1914.430619	$\leq 1915 \text{ MHz}$	



Peak to Average Ratio

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
N25	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	N25@0	4.79	13	PASS
N25	15	5	370500	1852.5	DFT-s-OFDM QPSK	N25@0	4.86	13	PASS
N25	15	5	376500	1882.5	DFT-s-OFDM PI/2 BPSK	N25@0	4.86	13	PASS
N25	15	5	376500	1882.5	DFT-s-OFDM QPSK	N25@0	4.79	13	PASS
N25	15	5	38N2500	1912.5	DFT-s-OFDM PI/2 BPSK	N25@0	4.86	13	PASS
N25	15	5	38N2500	1912.5	DFT-s-OFDM QPSK	N25@0	4.86	13	PASS
N25	15	10	371000	1855.0	DFT-s-OFDM PI/2 BPSK	50@0	5.2	13	PASS
N25	15	10	371000	1855.0	DFT-s-OFDM QPSK	50@0	5.19	13	PASS
N25	15	10	376500	1882.5	DFT-s-OFDM PI/2 BPSK	50@0	4.91	13	PASS
N25	15	10	376500	1882.5	DFT-s-OFDM QPSK	50@0	4.92	13	PASS
N25	15	10	382000	1910.0	DFT-s-OFDM PI/2 BPSK	50@0	5.07	13	PASS
N25	15	10	382000	1910.0	DFT-s-OFDM QPSK	50@0	4.98	13	PASS
N25	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	75@0	4.94	13	PASS
N25	15	15	371500	1857.5	DFT-s-OFDM QPSK	75@0	4.94	13	PASS
N25	15	15	376500	1882.5	DFT-s-OFDM PI/2 BPSK	75@0	4.98	13	PASS
N25	15	15	376500	1882.5	DFT-s-OFDM QPSK	75@0	4.77	13	PASS
N25	15	15	381500	1907.5	DFT-s-OFDM PI/2 BPSK	75@0	4.99	13	PASS
N25	15	15	381500	1907.5	DFT-s-OFDM QPSK	75@0	4.96	13	PASS
N25	15	20	372000	1860.0	DFT-s-OFDM PI/2 BPSK	100@0	4.95	13	PASS
N25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	5.16	13	PASS
N25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.85	13	PASS
N25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.83	13	PASS
N25	15	20	381000	1905.0	DFT-s-OFDM PI/2 BPSK	100@0	5.01	13	PASS
N25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	4.96	13	PASS
N25	15	25	37N2500	1862.5	DFT-s-OFDM PI/2 BPSK	128@0	4.98	13	PASS
N25	15	25	37N2500	1862.5	DFT-s-OFDM QPSK	128@0	4.96	13	PASS
N25	15	25	376500	1882.5	DFT-s-OFDM PI/2 BPSK	128@0	4.9	13	PASS
N25	15	25	376500	1882.5	DFT-s-OFDM QPSK	128@0	4.91	13	PASS
N25	15	25	380500	1902.5	DFT-s-OFDM PI/2 BPSK	128@0	4.92	13	PASS
N25	15	25	380500	1902.5	DFT-s-OFDM QPSK	128@0	4.98	13	PASS
N25	15	30	373000	1865.0	DFT-s-OFDM PI/2 BPSK	160@0	4.86	13	PASS
N25	15	30	373000	1865.0	DFT-s-OFDM QPSK	160@0	4.87	13	PASS
N25	15	30	376500	1882.5	DFT-s-OFDM PI/2 BPSK	160@0	4.87	13	PASS
N25	15	30	376500	1882.5	DFT-s-OFDM QPSK	160@0	4.92	13	PASS
N25	15	30	380000	1900.0	DFT-s-OFDM PI/2 BPSK	160@0	5.01	13	PASS
N25	15	30	380000	1900.0	DFT-s-OFDM QPSK	160@0	5.13	13	PASS
N25	15	35	373500	1867.5	DFT-s-OFDM PI/2 BPSK	180@0	4.97	13	PASS
N25	15	35	373500	1867.5	DFT-s-OFDM QPSK	180@0	4.9	13	PASS



NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
N25	15	35	376500	1882.5	DFT-s-OFDM PI/2 BPSK	180@0	4.91	13	PASS
N25	15	35	376500	1882.5	DFT-s-OFDM QPSK	180@0	4.91	13	PASS
N25	15	35	379500	1897.5	DFT-s-OFDM PI/2 BPSK	180@0	5.02	13	PASS
N25	15	35	379500	1897.5	DFT-s-OFDM QPSK	180@0	5.01	13	PASS
N25	15	40	374000	1870.0	DFT-s-OFDM PI/2 BPSK	216@0	4.77	13	PASS
N25	15	40	374000	1870.0	DFT-s-OFDM QPSK	216@0	4.8	13	PASS
N25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	216@0	5.09	13	PASS
N25	15	40	376500	1882.5	DFT-s-OFDM QPSK	216@0	5.05	13	PASS
N25	15	40	379000	1895.0	DFT-s-OFDM PI/2 BPSK	216@0	5.29	13	PASS
N25	15	40	379000	1895.0	DFT-s-OFDM QPSK	216@0	5.31	13	PASS



Test Graphs

N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



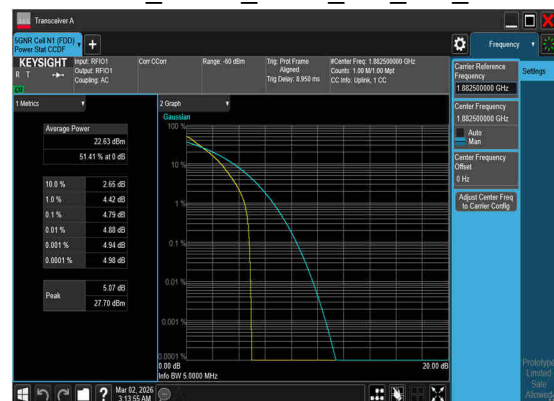
N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





N25(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N25(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH

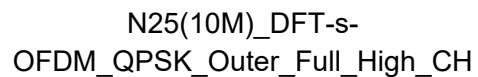
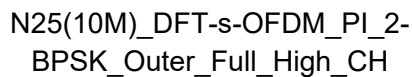
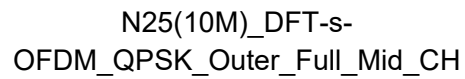


N25(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





N25(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



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N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH

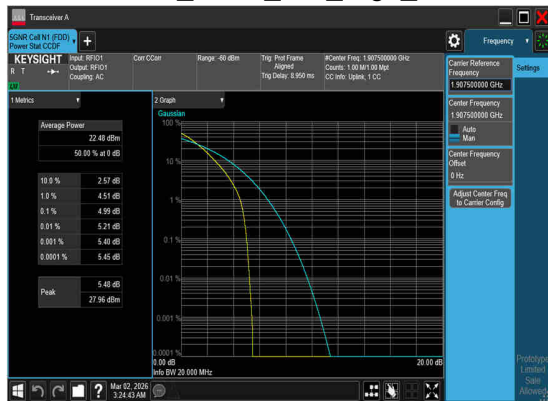


N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





N25(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N25(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



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

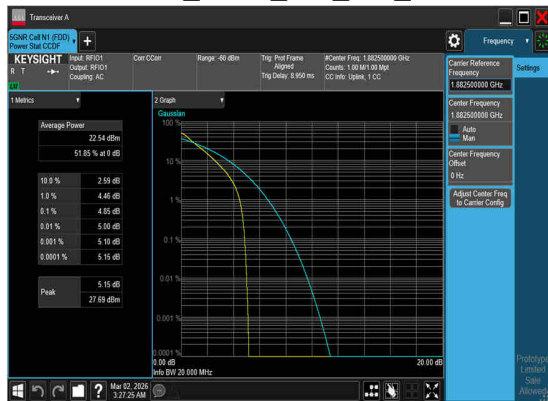


N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





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



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



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

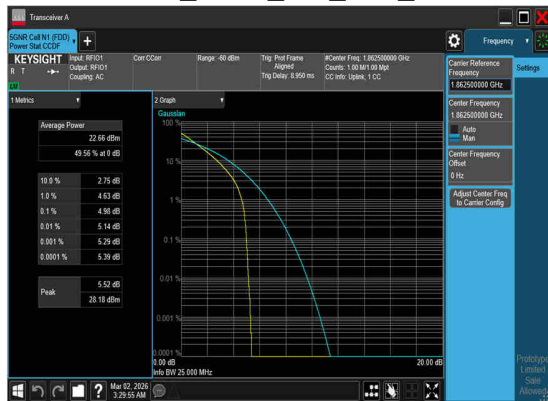


N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





N25(25M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N25(25M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(25M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N25(25M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

