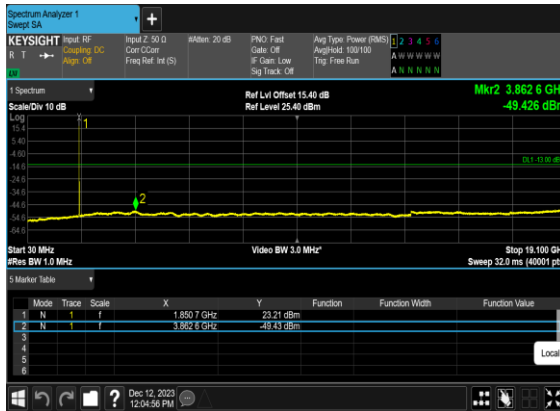


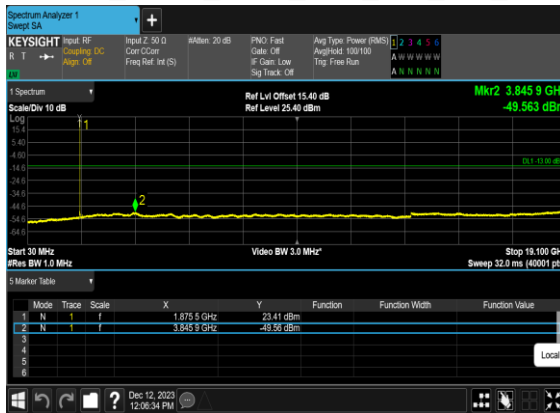
B12_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



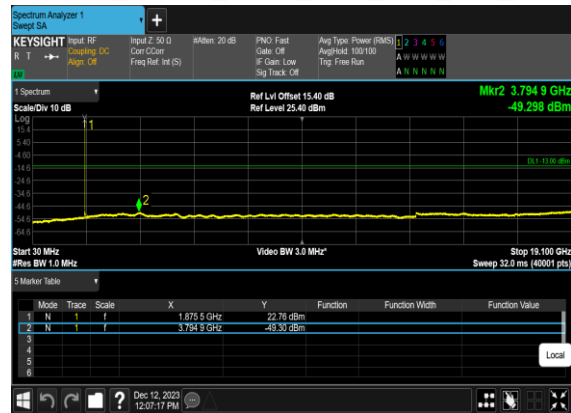
B12_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



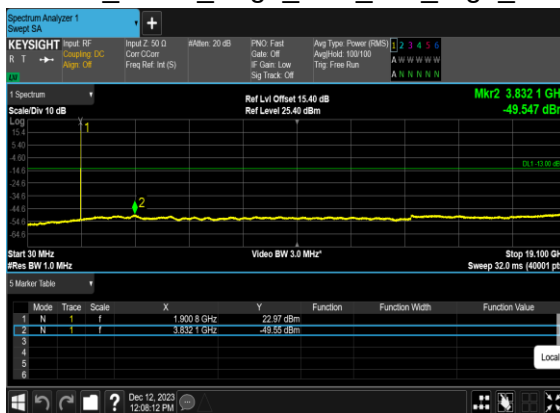
B12_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



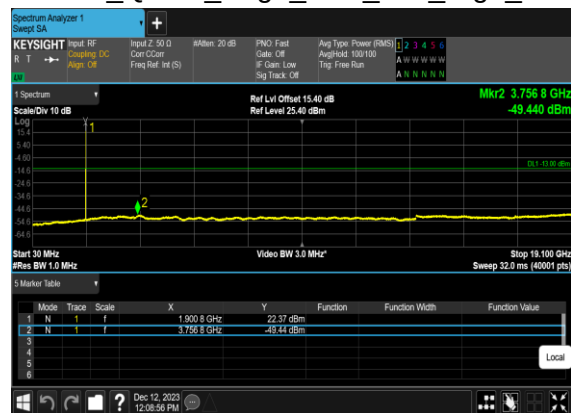
B12_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



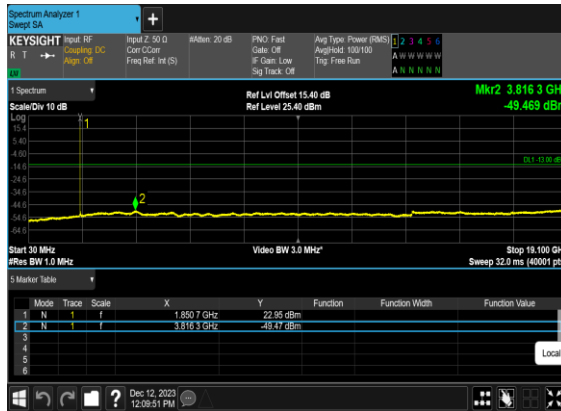
B12_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



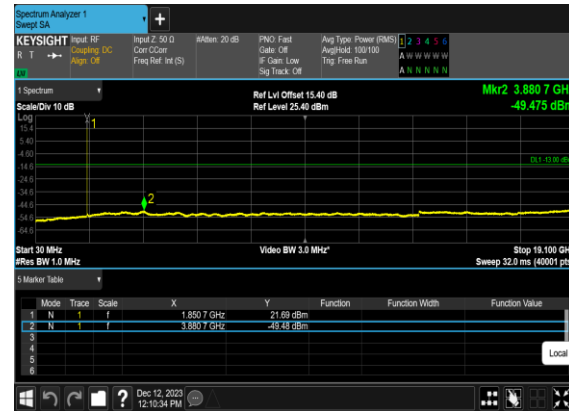
B12_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



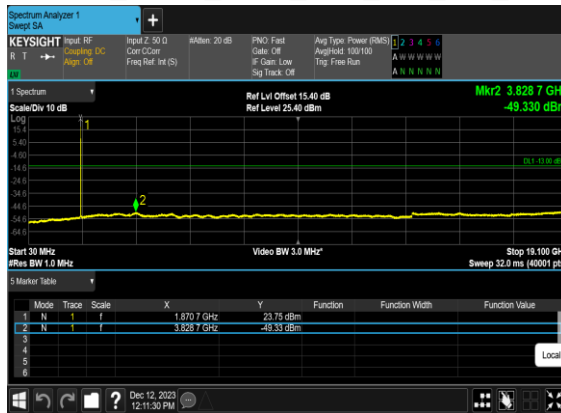
B12_N2(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



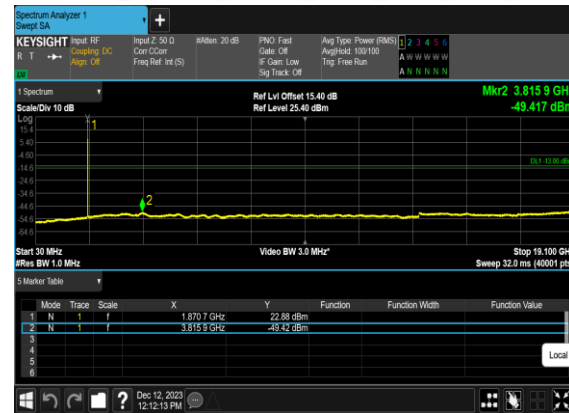
B12_N2(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



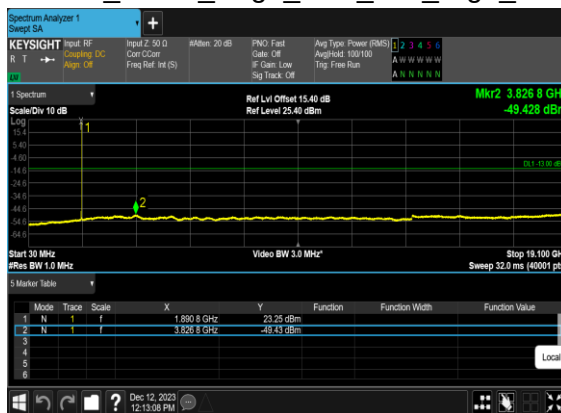
B12_N2(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



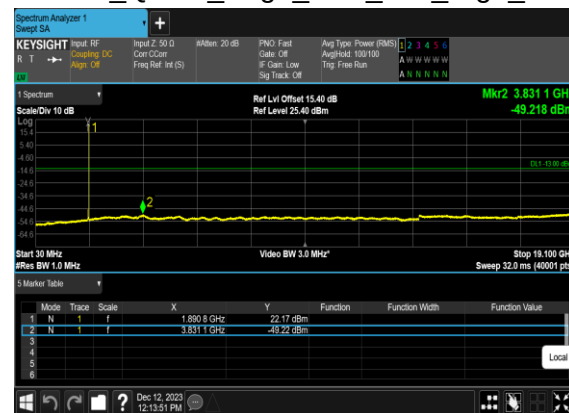
B12_N2(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B12_N2(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



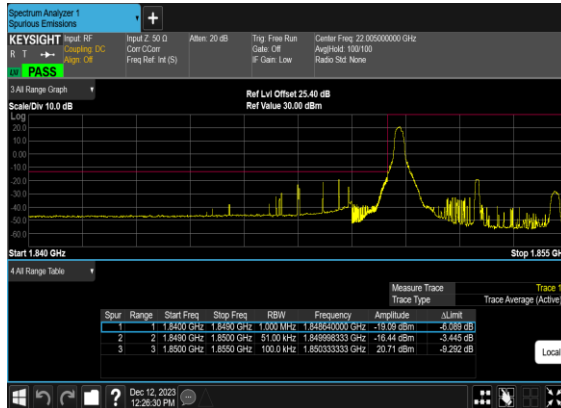
B12_N2(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



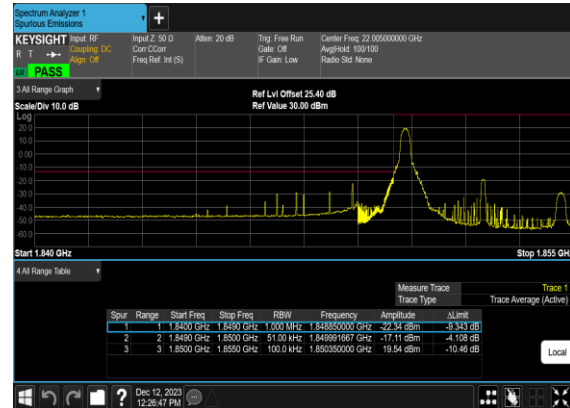
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

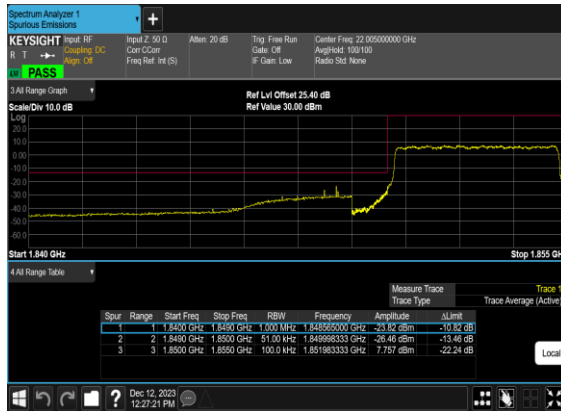
B12_N2(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



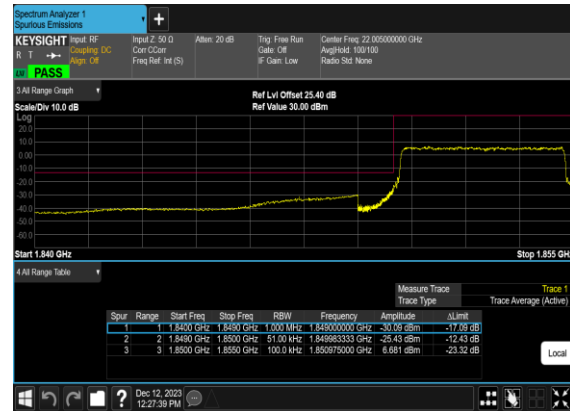
B12_N2(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



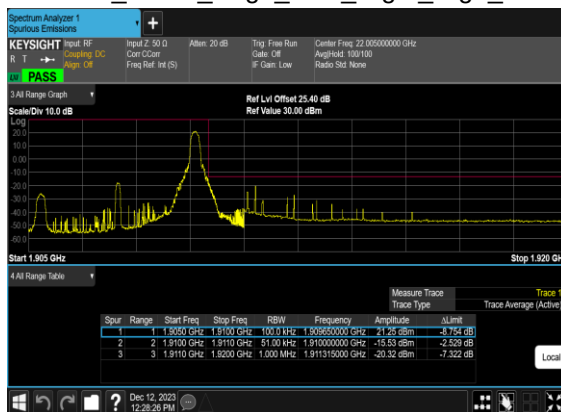
B12_N2(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



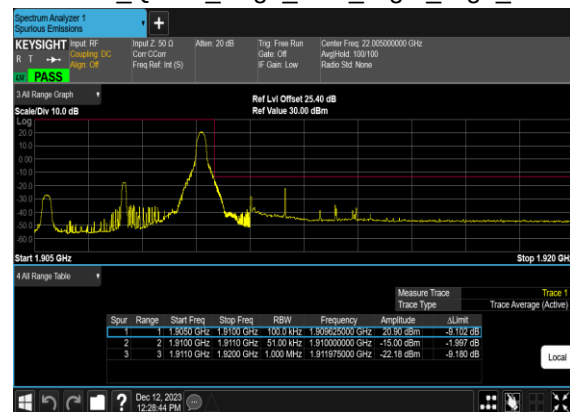
B12_N2(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B12_N2(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



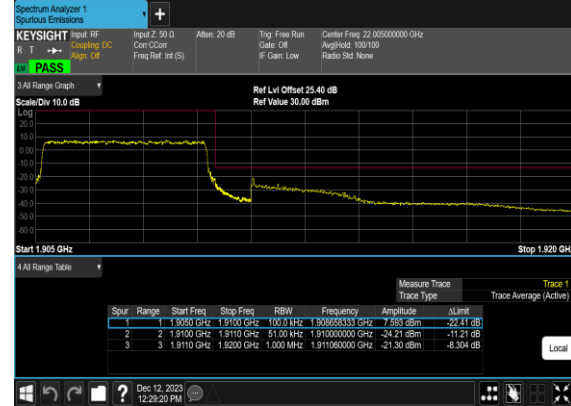
B12_N2(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B12_N2(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



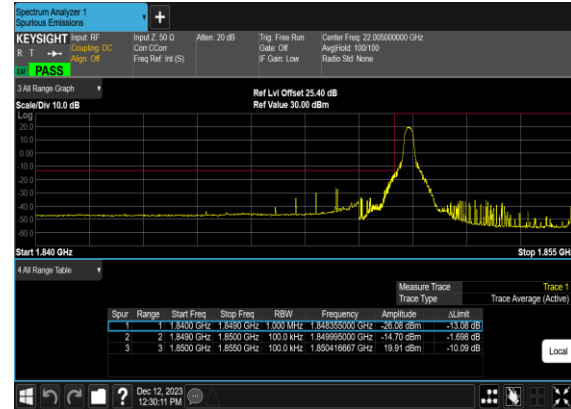
B12_N2(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



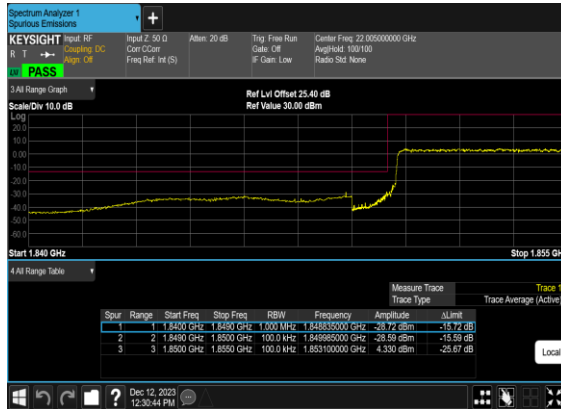
B12_N2(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



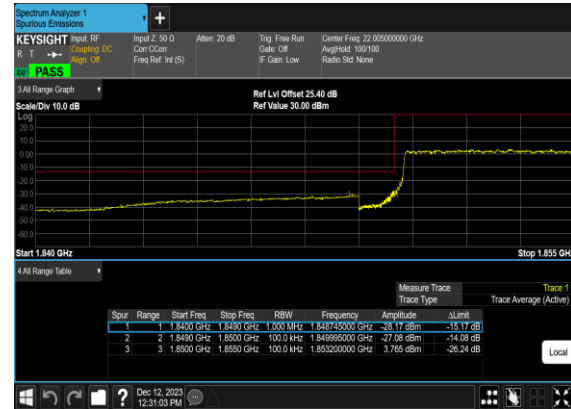
B12_N2(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



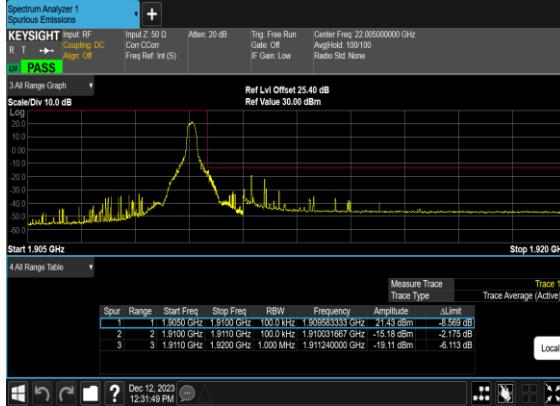
B12_N2(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



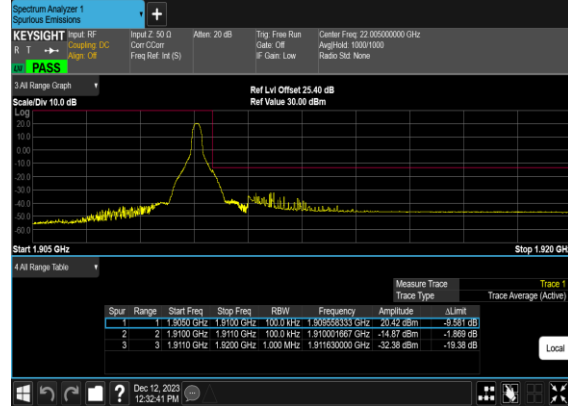
B12_N2(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



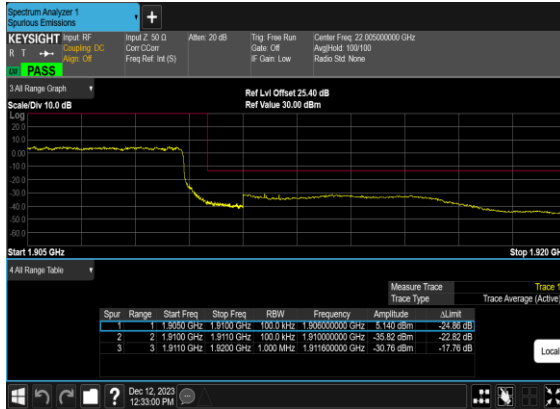
B12_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B12_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



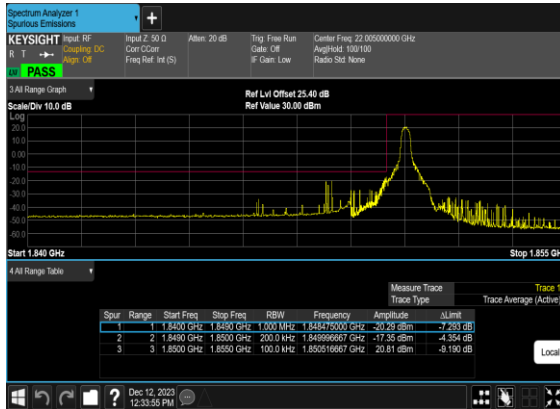
B12_N2(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



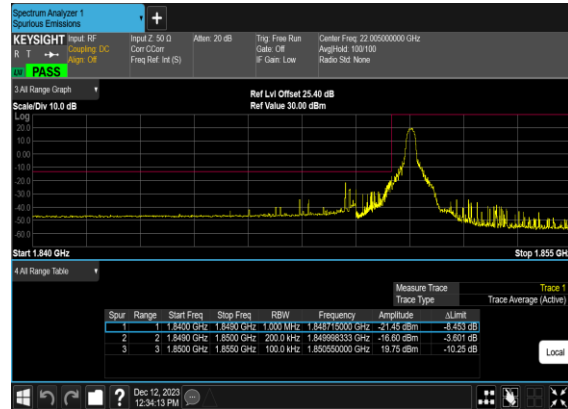
B12_N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



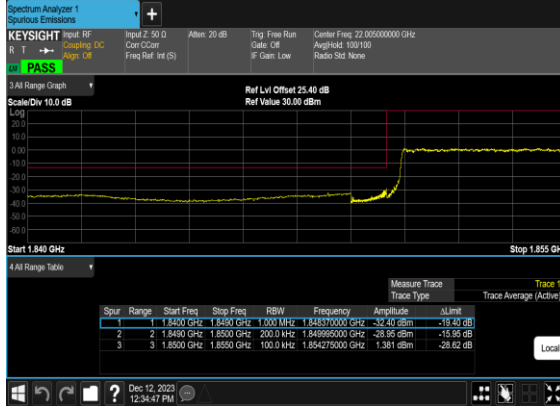
B12_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



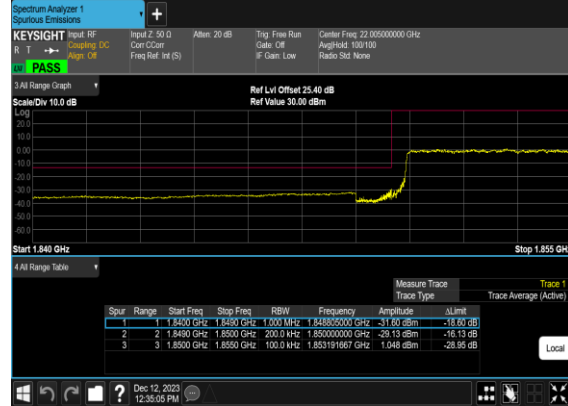
B12_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



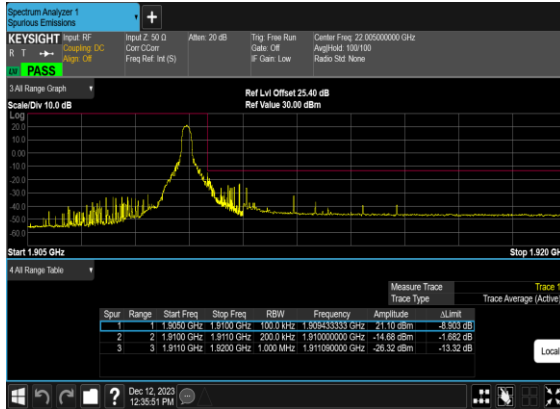
B12_N2(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



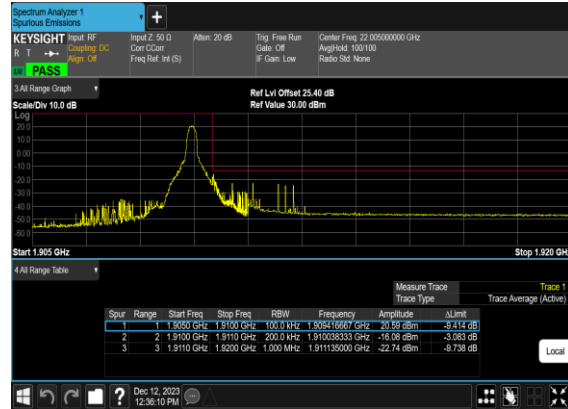
B12_N2(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



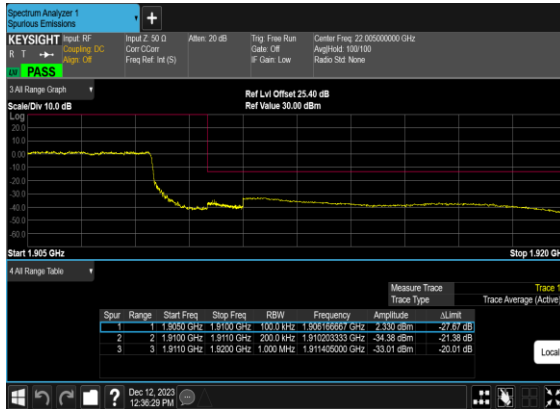
B12_N2(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



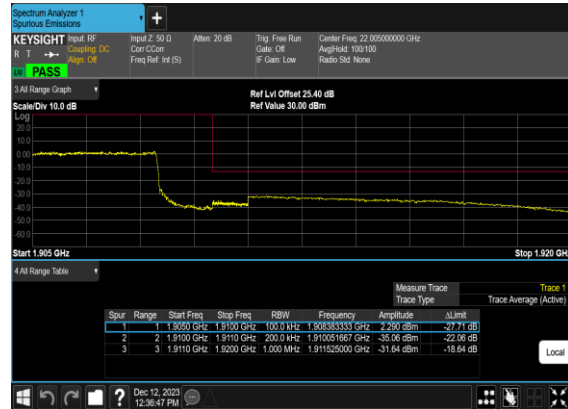
B12_N2(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B12_N2(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B12_N2(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N5 (ANT0)

Conducted Power and ERP, (GT - LC)=-3.24dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP (W)
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	22.94	17.55	0.0569
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.16	17.77	0.0598
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.64	17.25	0.0531
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23	17.61	0.0577
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.14	17.75	0.0596
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	22.63	17.24	0.0530
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	21.98	16.59	0.0456
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.14	16.75	0.0473
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	21.85	16.46	0.0443
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	20.47	15.08	0.0322
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.44	15.05	0.0320
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	20.34	14.95	0.0313
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	18.56	13.17	0.0207
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	18.22	12.83	0.0192
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	18.07	12.68	0.0185
5	15	20	166800	834	CP-OFDM QPSK	53@26	21.44	16.05	0.0403
5	15	20	166800	834	CP-OFDM QPSK	1@1	21.45	16.06	0.0404
5	15	20	166800	834	CP-OFDM QPSK	1@104	21.41	16.02	0.0400
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	23.02	17.63	0.0579
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.93	17.54	0.0568
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.57	17.18	0.0522
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	22.99	17.6	0.0575
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.09	17.7	0.0589
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	22.67	17.28	0.0535
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	21.97	16.58	0.0455
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.14	16.75	0.0473
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	21.83	16.44	0.0441
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	20.43	15.04	0.0319
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.63	15.24	0.0334
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	20.24	14.85	0.0305
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	18.45	13.06	0.0202
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.28	12.89	0.0195
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	17.97	12.58	0.0181
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	21.46	16.07	0.0405
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	21.52	16.13	0.0410
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	21.5	16.11	0.0408
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.99	17.6	0.0575
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	22.86	17.47	0.0558
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.51	17.12	0.0515
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	22.95	17.56	0.0570
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	22.88	17.49	0.0561
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	22.59	17.2	0.0525
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22	16.61	0.0458
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.09	16.7	0.0468
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	21.71	16.32	0.0429

5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	20.48	15.09	0.0323
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.51	15.12	0.0325
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.25	14.86	0.0306
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	18.39	13	0.0200
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	18.23	12.84	0.0192
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	17.98	12.59	0.0182
5	15	20	167800	839	CP-OFDM QPSK	53@26	21.46	16.07	0.0405
5	15	20	167800	839	CP-OFDM QPSK	1@1	21.53	16.14	0.0411
5	15	20	167800	839	CP-OFDM QPSK	1@104	21.48	16.09	0.0406
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	23.05	17.66	0.0583
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.1	17.71	0.0590
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.33	16.94	0.0494
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.06	17.67	0.0585
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.15	17.76	0.0597
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.17	16.78	0.0476
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	22.79	17.4	0.0550
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.97	17.58	0.0573
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.03	16.64	0.0461
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	23.02	17.63	0.0579
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.07	17.68	0.0586
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.19	16.8	0.0479
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.94	17.55	0.0569
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.03	17.64	0.0581
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.17	16.78	0.0476
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	23	17.61	0.0577
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.15	17.76	0.0597
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.15	16.76	0.0474
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	23.04	17.65	0.0582
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.12	17.73	0.0593
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.28	16.89	0.0489
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.09	17.7	0.0589
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.12	17.73	0.0593
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.25	16.86	0.0485
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	23.04	17.65	0.0582
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.12	17.73	0.0593
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.23	16.84	0.0483

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0028	PASS	NV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0016	PASS	LV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	HV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0037	PASS	-30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0010	PASS	-20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0026	PASS	-10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0027	PASS	0°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0019	PASS	10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0038	PASS	20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0022	PASS	30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0016	PASS	40°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0004	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	3.89	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	3.78	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.07	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	4.5	13	PASS

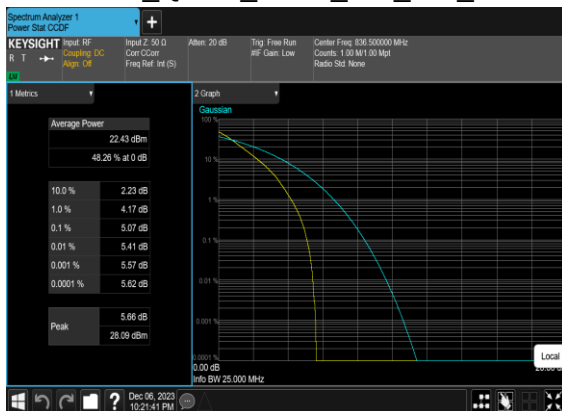
N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



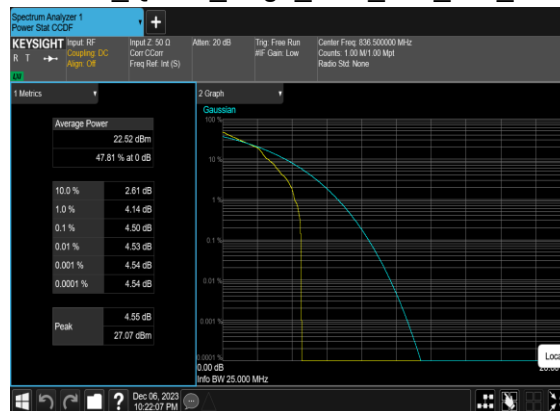
N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



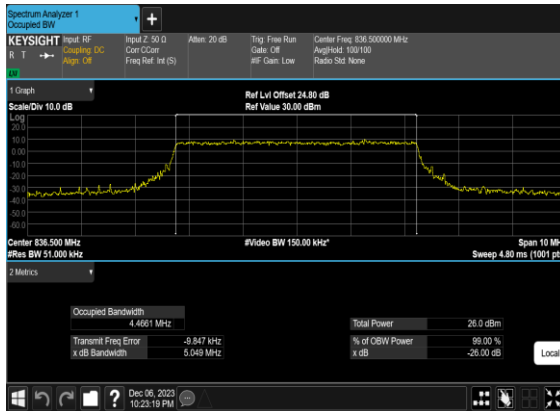
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



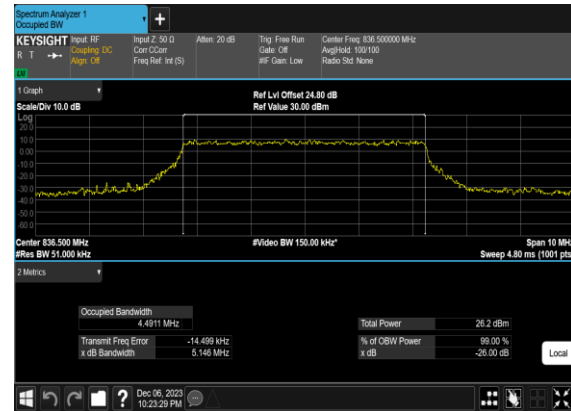
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4661	5.049
5	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4911	5.146
5	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4623	4.908
5	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4804	5.073
5	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2666	10.0
5	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2722	9.953
5	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2624	9.777
5	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2835	10.03
5	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.078	14.92
5	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.06	14.98
5	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.102	14.74
5	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.073	14.87
5	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.87	19.89
5	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.901	19.9
5	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.897	19.82
5	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.912	19.72

N5(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



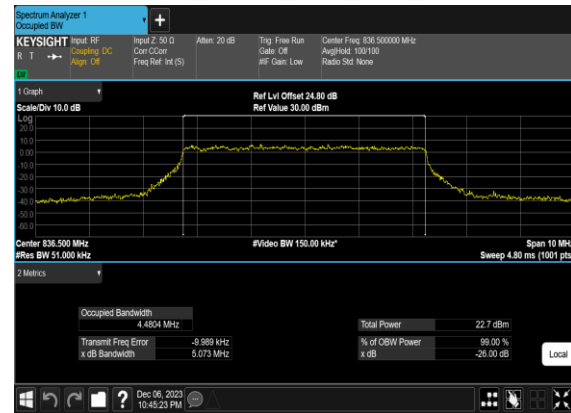
N5(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



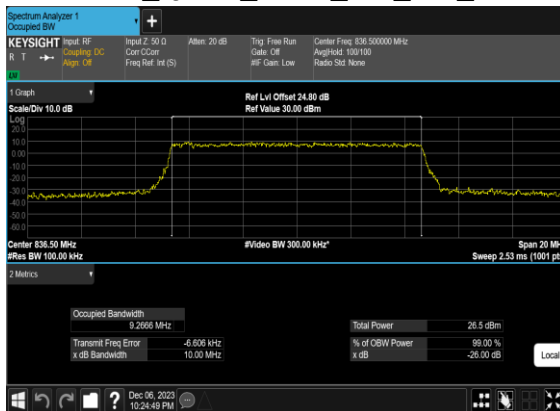
N5(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



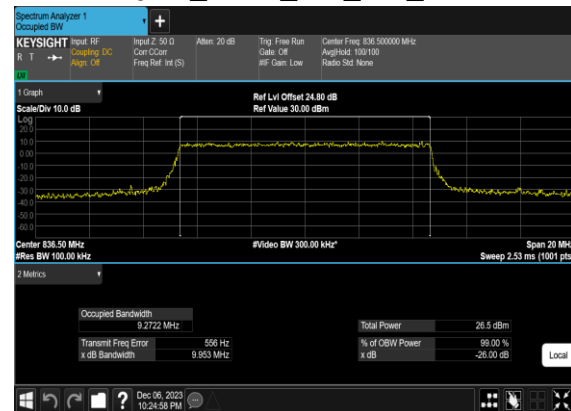
N5(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



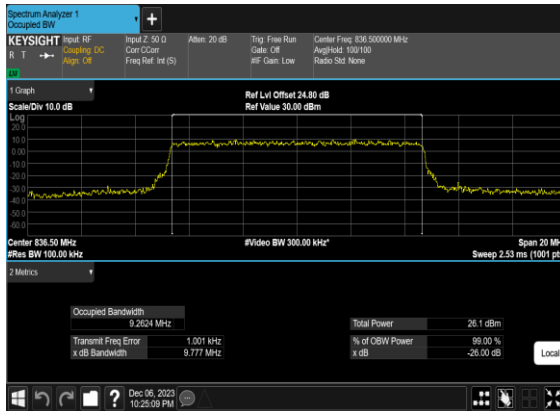
N5(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



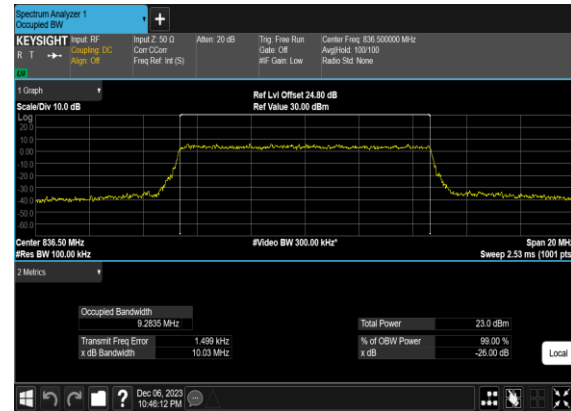
N5(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



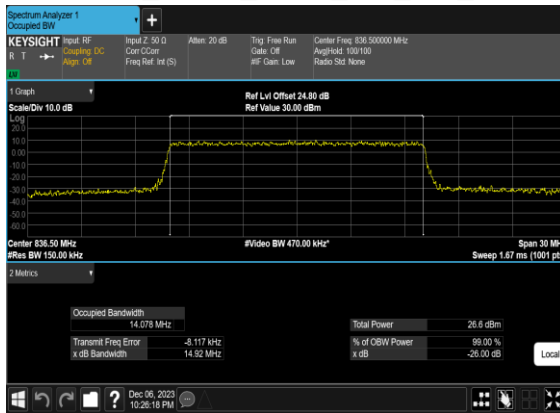
N5(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



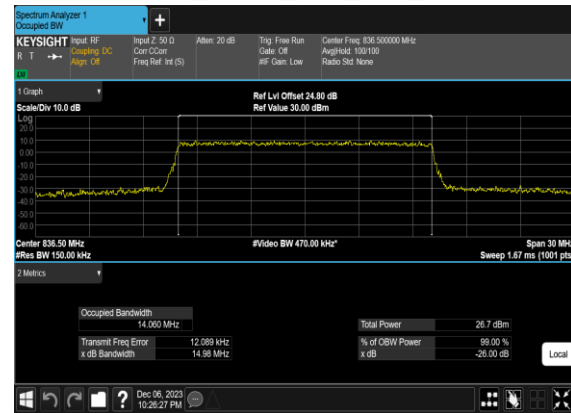
N5(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



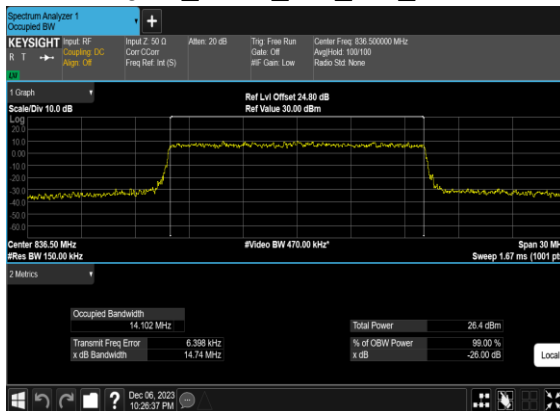
N5(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



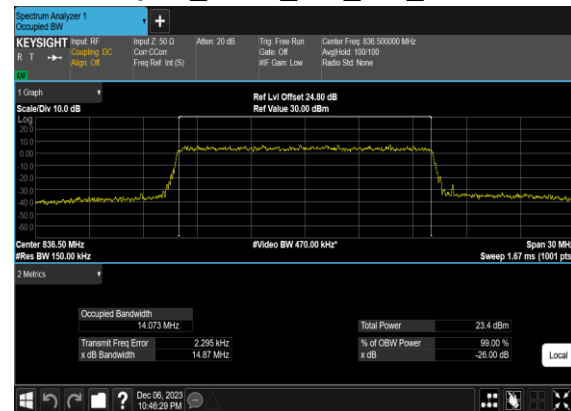
N5(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N5(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N5(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF: **OC** Input Z: 50 Ω Attenu: 20 dB Trig Mode: Free Run
 R T $\rightarrow$ Coupling: OC Con: Cont Ref: Int (S) Gate: Off Slew: Off Center Freq: 836.500000 MHz
 Amp: Off Freq Ref: Int (S) Ref: Gain: Low Amplitude: 100.00
 Radio Std: None

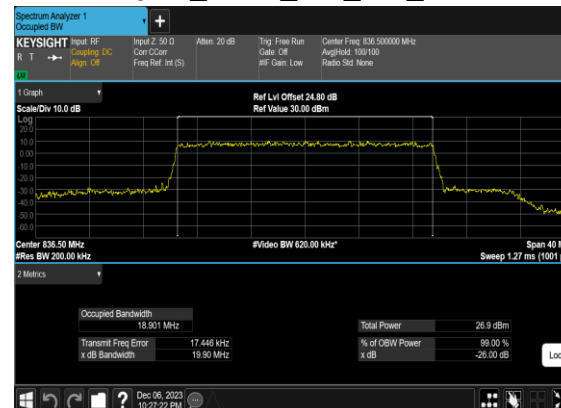
1 Graph
 Scale/Div 10.0 dB
 Ref Ref: Offset 24.80 dB
 Ref Value 30.00 dBm

Center 836.50 MHz
 Span 40 MHz
 Video BW 620.00 kHz
 Sweep 1.27 ms (1001 pts)

2 Metrics

Occupied Bandwidth		Total Power	
18.870 MHz		27.5 dBm	
Transmit Freq Error	-18.746 kHz	99.00 %	
dB Bandwidth	19.88 MHz	% of OCB Power	
		-36.00 dB	

Dec 09, 2023



Spectrum Analyzer 1
Occupied BW

KEYSIGHT
R T →

Input Ref: 50 Ω
Coupling: DC
Align: Off

Input Z: 50 Ω
Corr: Corr
Freq Ref: Int (S)

Att: 20 dB

Trig: Free Run
Gate: Off
Ref: Gain Low

Center Freq: 636.500000 MHz
Ave/Hold: 100/100
Radio Std: None

1 Graph
Scale/Div: 10.0 dB
Log

Ref Lvl: Offset: 24.80 dB
Ref Value: 30.00 dBm

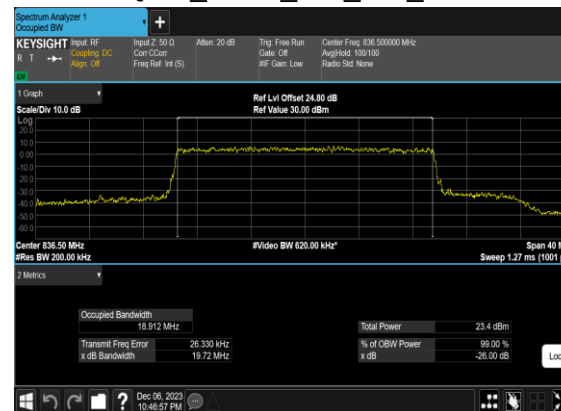
Center: 636.50 MHz
#Res BW: 200.0 kHz
#Video BW: 620.00 kHz*

Span: 40 MHz
Sweep: 1.27 ms (1001 pts)

2 Metrics

Occupied Bandwidth		Total Power	
18.897 MHz		26.6 dBm	
Transmit Freq Error	11.188 kHz	% of CSW Power	99.00 %
x dB Bandwidth	19.82 MHz	x dB	-26.00 dBm

Dec 09, 2020
10:27:39 PM

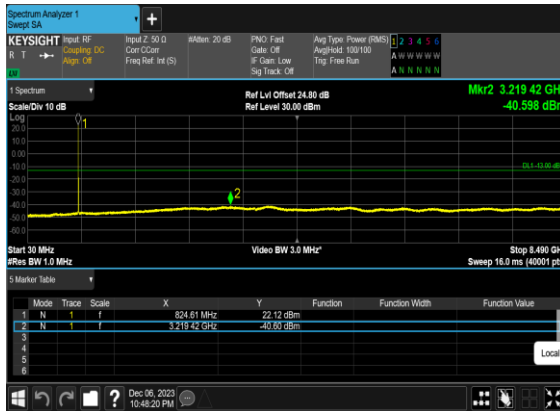


Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---

5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

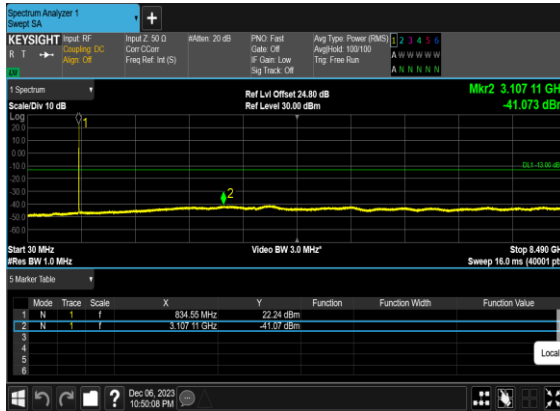
N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



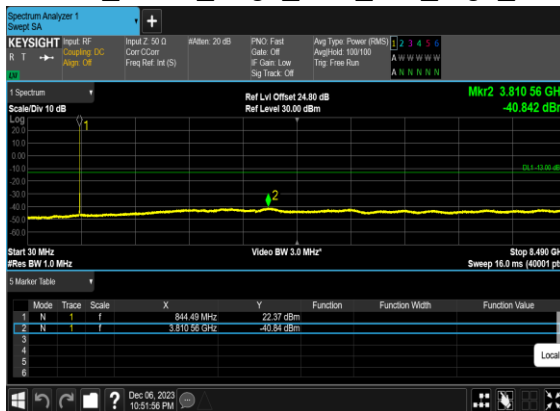
N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



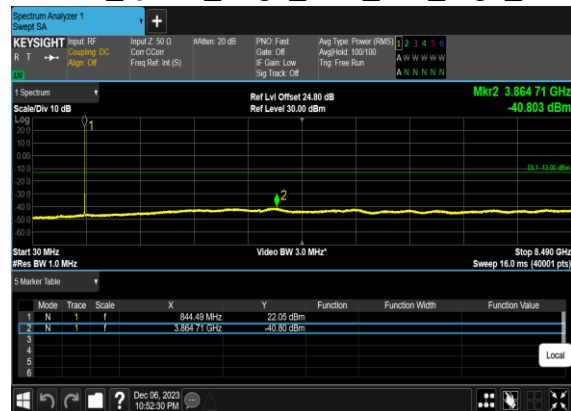
N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



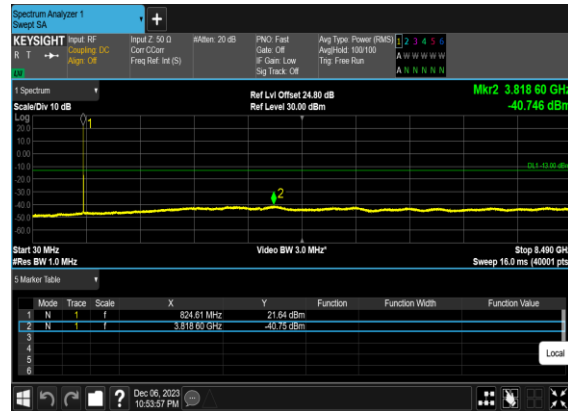
N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



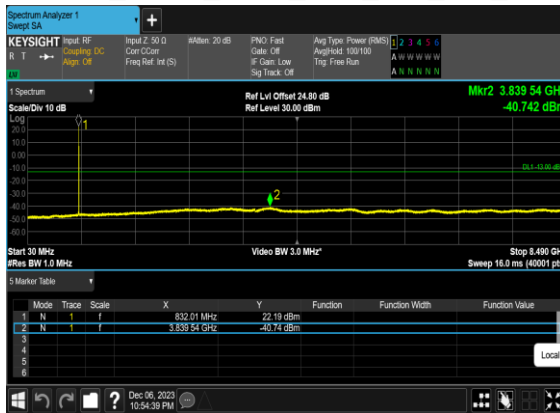
N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



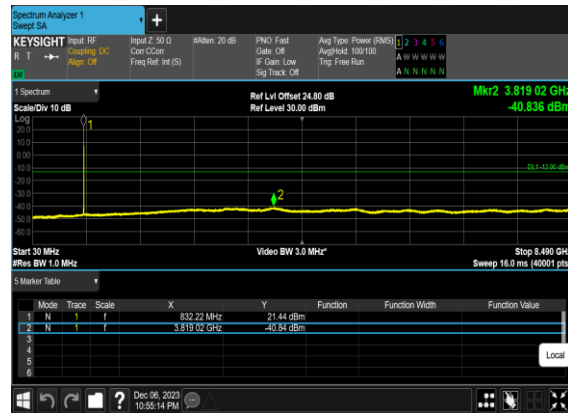
N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



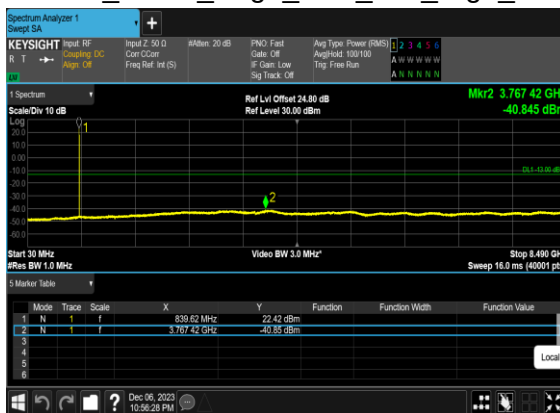
N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



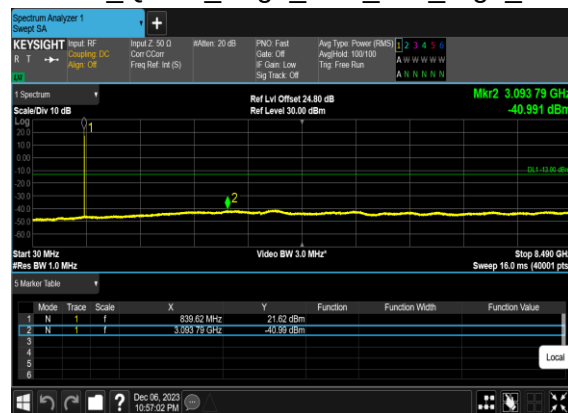
N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



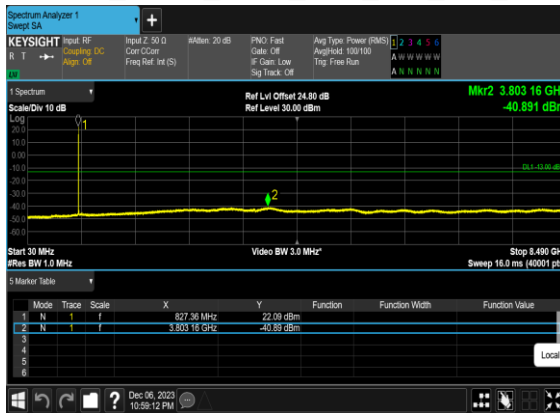
OFDM_BPSK_Edge_1RB_Left_Low_CH



OFDM_QPSK_Edge_1RB_Left_Low_CH



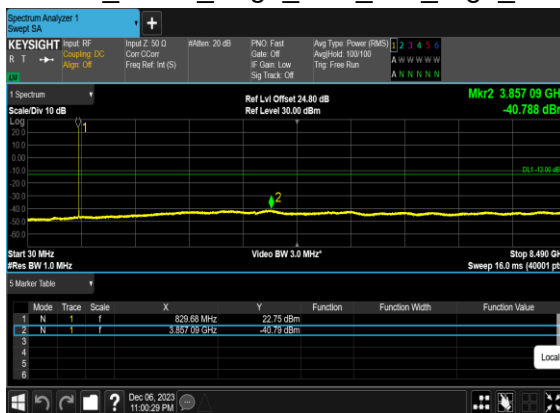
OFDM_BPSK_Edge_1RB_Left_Mid_CH



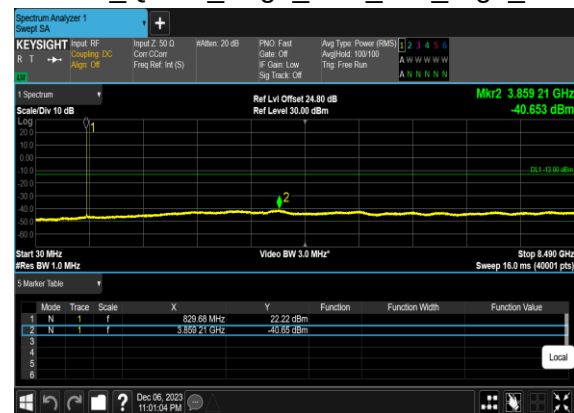
OFDM_QPSK_Edge_1RB_Left_Mid_CH



OFDM_BPSK_Edge_1RB_Left_High_CH



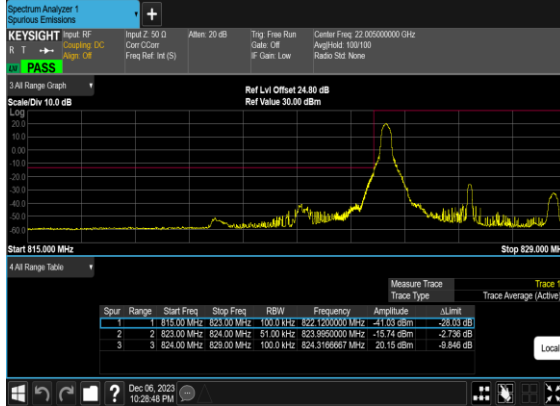
OFDM_QPSK_Edge_1RB_Left_High_CH



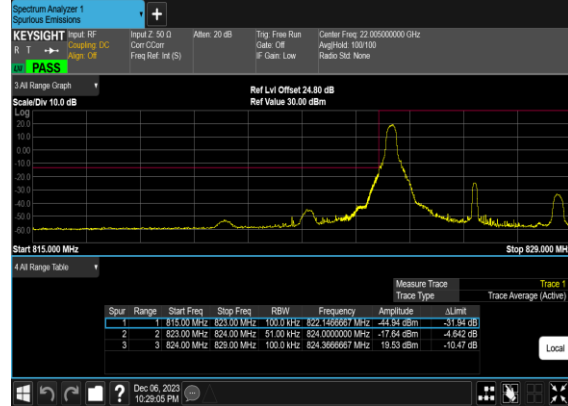
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

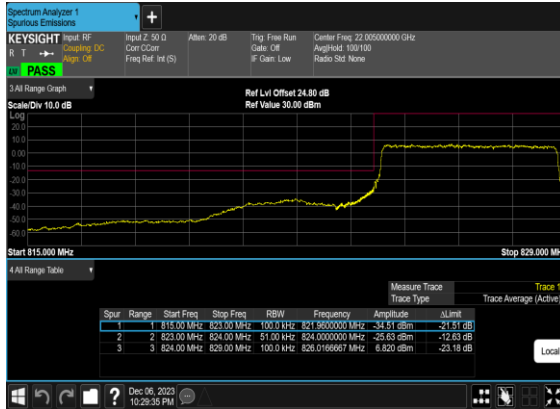
N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



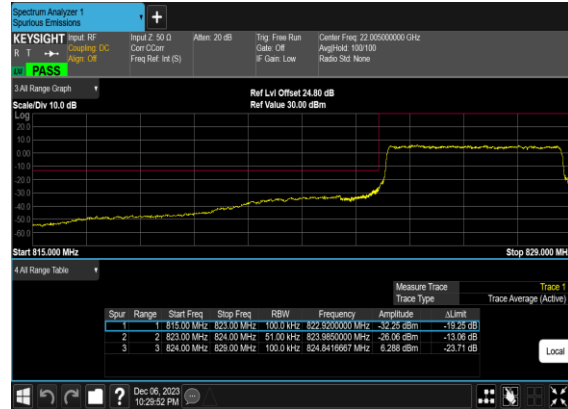
N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



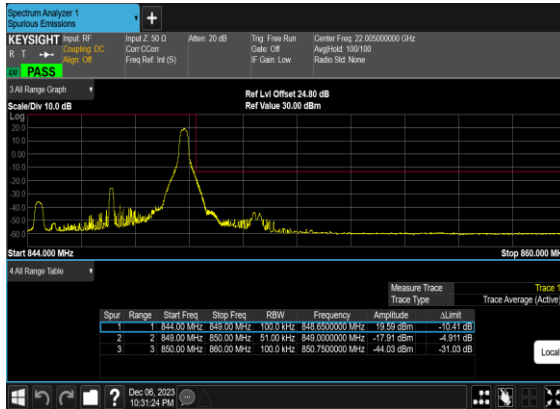
N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



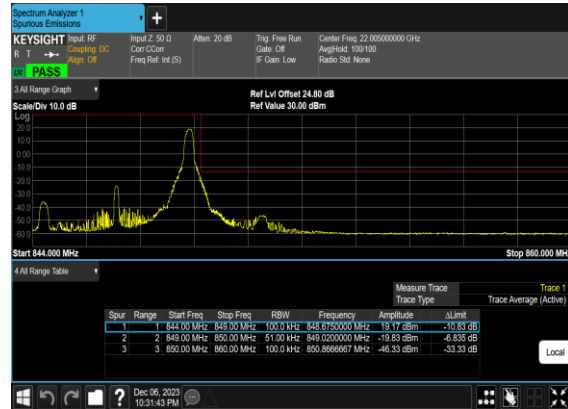
N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



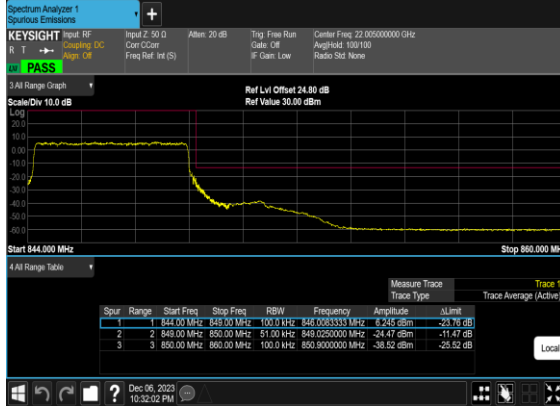
N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



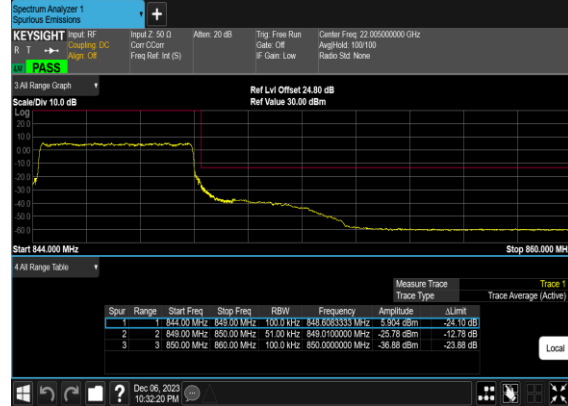
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OFDM_QPSK_Edge_1RB_Right_High_CH



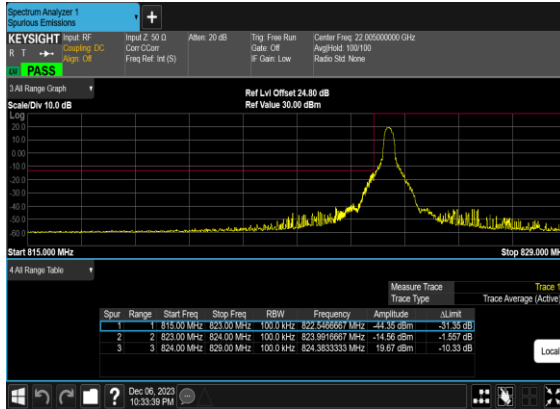
N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



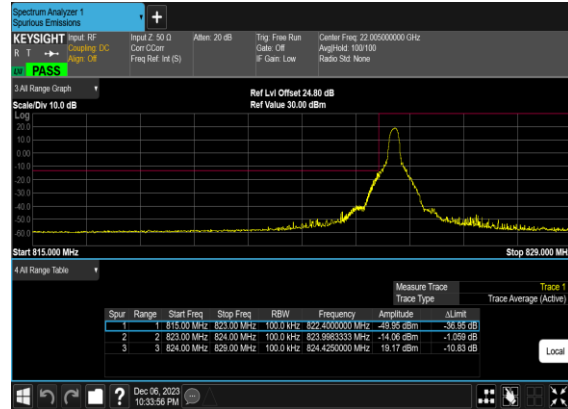
N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



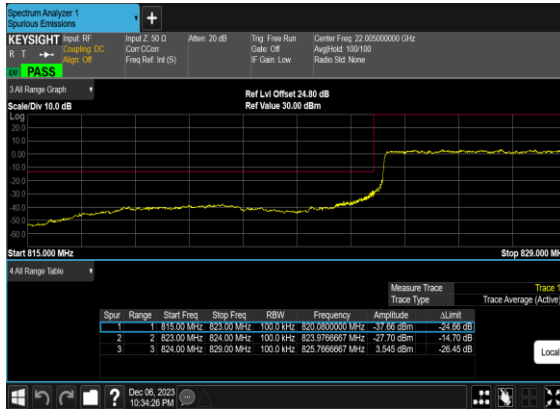
N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



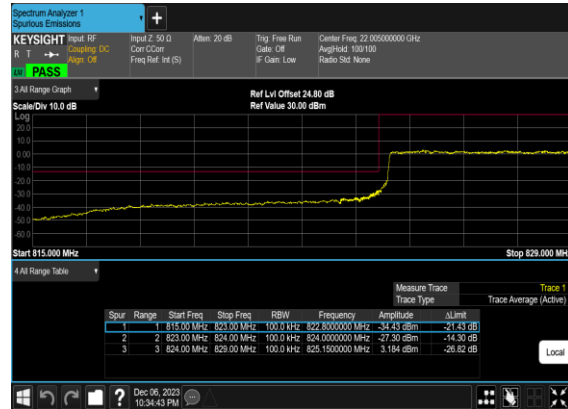
N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



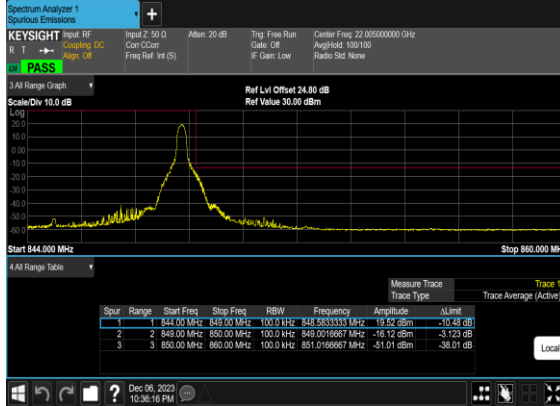
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OFDM_BPSK_Outer_Full_Low_CH



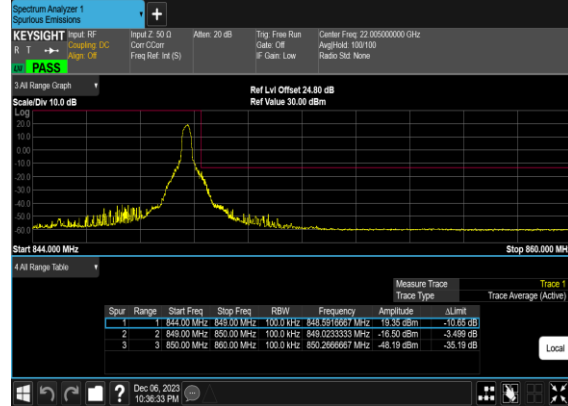
N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



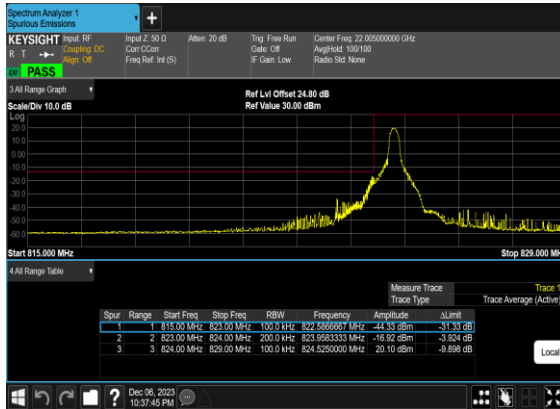
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OFDM_BPSK_Outer_Full_High_CH



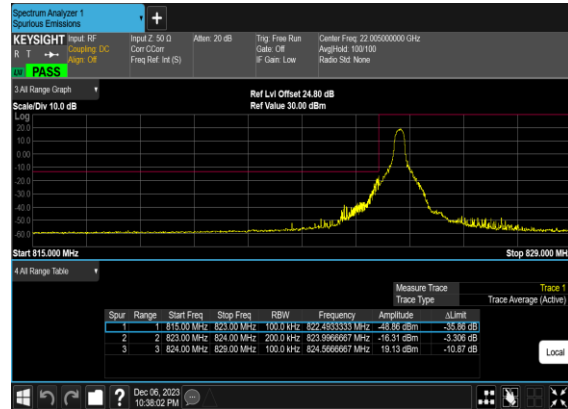
N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



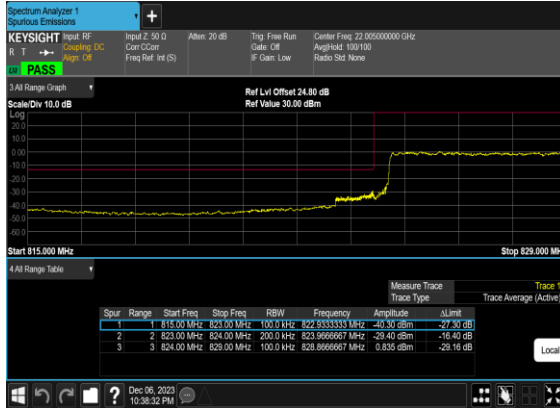
N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



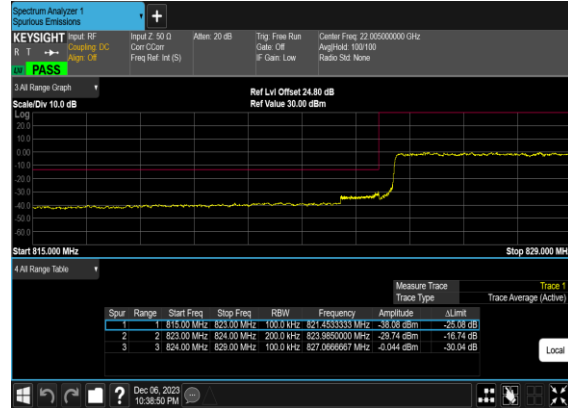
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



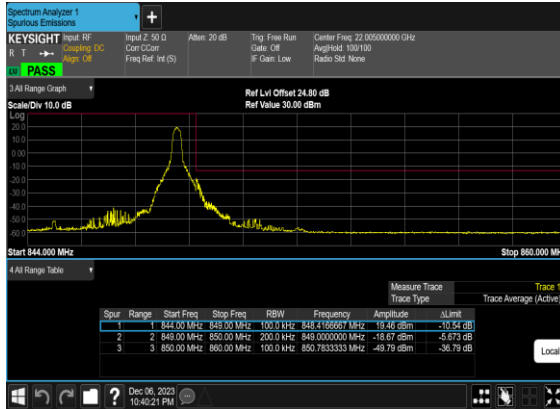
N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



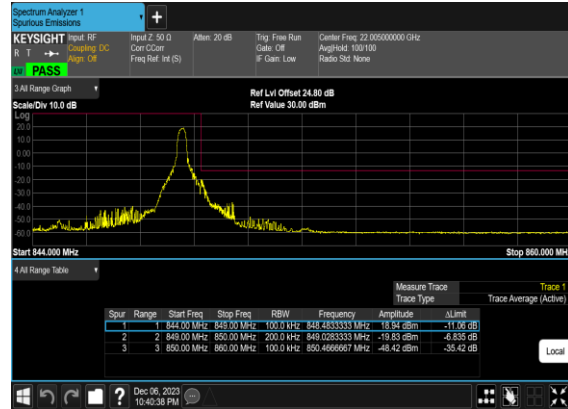
N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



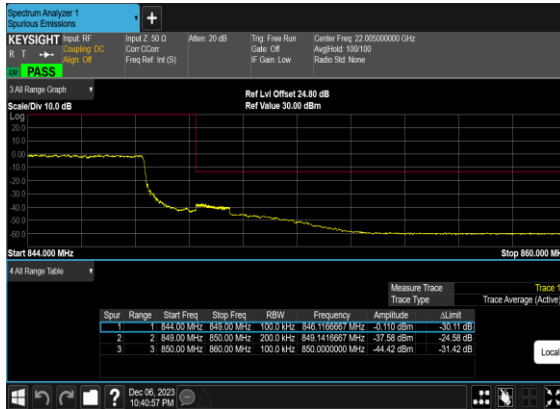
N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



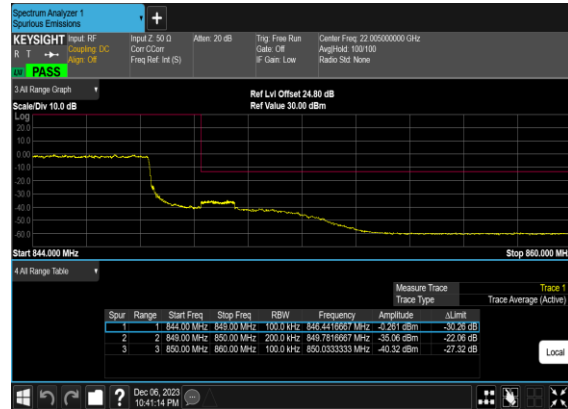
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N5 (ANT0)-Other PA

LTE Band: 66 (ANT5), LTE BW: 10M, LTE ARFCN: Mid

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
5	15	20	167300	836.5	DFT-s-OFDM QPS	100@0	0.0012	PASS	NV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0021	PASS	LV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	HV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0009	PASS	-30℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0035	PASS	-20℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0039	PASS	-10℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0042	PASS	0℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0021	PASS	10℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0035	PASS	20℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0042	PASS	30℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0041	PASS	40℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0049	PASS	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	3.9	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	3.47	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.01	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	4.39	13	PASS

B66_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B66_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



B66_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B66_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4721	5.015
5	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4823	5.054
5	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4805	5.084
5	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4678	4.993
5	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2528	10.0
5	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2747	9.961
5	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2678	9.849
5	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2837	9.962
5	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.056	14.93
5	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.09	15.01
5	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.078	14.86
5	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.071	14.86
5	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.876	19.87
5	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.889	19.89
5	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.904	19.77
5	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.859	19.73