

FR1 N2+5A-Ant 0+Ant 4

LTE Band: 5, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-0.3dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	24.01	23.71	0.2350
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	23.36	23.06	0.2023
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.95	23.65	0.2317
2	15	5	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	23.27	22.97	0.1982
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.46	23.16	0.2070
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.74	22.44	0.1754
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@1	23.83	23.53	0.2254
2	15	10	371000	1855.0	DFT-s-OFDM 16 QAM	1@1	23.15	22.85	0.1928
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.73	23.43	0.2203
2	15	10	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	23	22.7	0.1862
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@1	23.34	23.04	0.2014
2	15	10	381000	1905.0	DFT-s-OFDM 16 QAM	1@1	22.57	22.27	0.1687
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.94	23.64	0.2312
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.27	22.97	0.1982
2	15	15	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.82	23.52	0.2249
2	15	15	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	23.13	22.83	0.1919
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.46	23.16	0.2070
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.74	22.44	0.1754

2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@1	23.91	23.61	0.2296
2	15	20	372000	1860.0	DFT-s-OFDM 16 QAM	1@1	23.23	22.93	0.1963
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.93	23.63	0.2307
2	15	20	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	23.12	22.82	0.1914
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@1	23.5	23.2	0.2089
2	15	20	380000	1900.0	DFT-s-OFDM 16 QAM	1@1	22.73	22.43	0.1750
2	15	25	372500	1862.5	DFT-s-OFDM QPSK	1@1	23.79	23.49	0.2234
2	15	25	372500	1862.5	DFT-s-OFDM 16 QAM	1@1	23.12	22.82	0.1914
2	15	25	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.76	23.46	0.2218
2	15	25	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	23	22.7	0.1862
2	15	25	379500	1897.5	DFT-s-OFDM QPSK	1@1	23.49	23.19	0.2084
2	15	25	379500	1897.5	DFT-s-OFDM 16 QAM	1@1	22.73	22.43	0.1750
2	15	30	373000	1865.0	DFT-s-OFDM PI/2 BPSK	80@40	24.12	23.82	0.2410
2	15	30	373000	1865.0	DFT-s-OFDM PI/2 BPSK	1@1	23.71	23.41	0.2193
2	15	30	373000	1865.0	DFT-s-OFDM PI/2 BPSK	1@158	23.88	23.58	0.2280
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	80@40	24.16	23.86	0.2432
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	1@1	23.6	23.3	0.2138
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	1@158	23.78	23.48	0.2228
2	15	30	373000	1865.0	DFT-s-OFDM 16 QAM	80@40	23.18	22.88	0.1941
2	15	30	373000	1865.0	DFT-s-OFDM 16 QAM	1@1	22.83	22.53	0.1791
2	15	30	373000	1865.0	DFT-s-OFDM 16 QAM	1@158	23.09	22.79	0.1901
2	15	30	373000	1865.0	DFT-s-OFDM 64 QAM	80@40	21.8	21.5	0.1413
2	15	30	373000	1865.0	DFT-s-OFDM 64 QAM	1@1	21.3	21	0.1259
2	15	30	373000	1865.0	DFT-s-OFDM 64 QAM	1@158	21.66	21.36	0.1368

2	15	30	373000	1865.0	DFT-s-OFDM 256 QAM	80@40	19.76	19.46	0.0883
2	15	30	373000	1865.0	DFT-s-OFDM 256 QAM	1@1	19.5	19.2	0.0832
2	15	30	373000	1865.0	DFT-s-OFDM 256 QAM	1@158	19.65	19.35	0.0861
2	15	30	373000	1865.0	CP-OFDM QPSK	80@40	22.74	22.44	0.1754
2	15	30	373000	1865.0	CP-OFDM QPSK	1@1	23.54	23.24	0.2109
2	15	30	373000	1865.0	CP-OFDM QPSK	1@158	23.68	23.38	0.2178
2	15	30	376000	1880.0	DFT-s-OFDM PI/2 BPSK	80@40	24.04	23.74	0.2366
2	15	30	376000	1880.0	DFT-s-OFDM PI/2 BPSK	1@1	23.66	23.36	0.2168
2	15	30	376000	1880.0	DFT-s-OFDM PI/2 BPSK	1@158	23.17	22.87	0.1936
2	15	30	376000	1880.0	DFT-s-OFDM QPSK	80@40	24.02	23.72	0.2355
2	15	30	376000	1880.0	DFT-s-OFDM QPSK	1@1	23.16	22.86	0.1932
2	15	30	376000	1880.0	DFT-s-OFDM QPSK	1@158	22.85	22.55	0.1799
2	15	30	376000	1880.0	DFT-s-OFDM 16 QAM	80@40	23.07	22.77	0.1892
2	15	30	376000	1880.0	DFT-s-OFDM 16 QAM	1@1	22.56	22.26	0.1683
2	15	30	376000	1880.0	DFT-s-OFDM 16 QAM	1@158	22.22	21.92	0.1556
2	15	30	376000	1880.0	DFT-s-OFDM 64 QAM	80@40	21.72	21.42	0.1387
2	15	30	376000	1880.0	DFT-s-OFDM 64 QAM	1@1	20.93	20.63	0.1156
2	15	30	376000	1880.0	DFT-s-OFDM 64 QAM	1@158	20.6	20.3	0.1072
2	15	30	376000	1880.0	DFT-s-OFDM 256 QAM	80@40	19.68	19.38	0.0867
2	15	30	376000	1880.0	DFT-s-OFDM 256 QAM	1@1	19.4	19.1	0.0813
2	15	30	376000	1880.0	DFT-s-OFDM 256 QAM	1@158	19.05	18.75	0.0750
2	15	30	376000	1880.0	CP-OFDM QPSK	80@40	22.61	22.31	0.1702
2	15	30	376000	1880.0	CP-OFDM QPSK	1@1	22.57	22.27	0.1687
2	15	30	376000	1880.0	CP-OFDM QPSK	1@158	22.21	21.91	0.1552

2	15	30	379000	1895.0	DFT-s-OFDM PI/2 BPSK	80@40	23.67	23.37	0.2173
2	15	30	379000	1895.0	DFT-s-OFDM PI/2 BPSK	1@1	23.67	23.37	0.2173
2	15	30	379000	1895.0	DFT-s-OFDM PI/2 BPSK	1@158	22.76	22.46	0.1762
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	80@40	23.71	23.41	0.2193
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	1@1	23.21	22.91	0.1954
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	1@158	22.76	22.46	0.1762
2	15	30	379000	1895.0	DFT-s-OFDM 16 QAM	80@40	22.71	22.41	0.1742
2	15	30	379000	1895.0	DFT-s-OFDM 16 QAM	1@1	22.66	22.36	0.1722
2	15	30	379000	1895.0	DFT-s-OFDM 16 QAM	1@158	22.14	21.84	0.1528
2	15	30	379000	1895.0	DFT-s-OFDM 64 QAM	80@40	21.4	21.1	0.1288
2	15	30	379000	1895.0	DFT-s-OFDM 64 QAM	1@1	21	20.7	0.1175
2	15	30	379000	1895.0	DFT-s-OFDM 64 QAM	1@158	20.52	20.22	0.1052
2	15	30	379000	1895.0	DFT-s-OFDM 256 QAM	80@40	19.32	19.02	0.0798
2	15	30	379000	1895.0	DFT-s-OFDM 256 QAM	1@1	19.52	19.22	0.0836
2	15	30	379000	1895.0	DFT-s-OFDM 256 QAM	1@158	18.98	18.68	0.0738
2	15	30	379000	1895.0	CP-OFDM QPSK	80@40	22.31	22.01	0.1589
2	15	30	379000	1895.0	CP-OFDM QPSK	1@1	23.03	22.73	0.1875
2	15	30	379000	1895.0	CP-OFDM QPSK	1@158	22.25	21.95	0.1567

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	NV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0067	PASS	LV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0030	PASS	HV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0067	PASS	-30°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0063	PASS	-20°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0024	PASS	-10°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0058	PASS	0°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0044	PASS	10°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	20°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0036	PASS	30°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0053	PASS	40°C
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	0.0039	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
2	15	20	372000	1860.0	DFT-s-OFDM PI/2 BPSK	100@0	4.27	13	PASS
2	15	20	372000	1860.0	DFT-s-OFDM PI/2 BPSK	1@0	3.66	13	PASS
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	5.3	13	PASS
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	4.95	13	PASS
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	100@0	4.17	13	PASS
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	1@0	3.71	13	PASS
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	5.23	13	PASS
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	5.07	13	PASS
2	15	20	380000	1900.0	DFT-s-OFDM PI/2 BPSK	100@0	4.09	13	PASS
2	15	20	380000	1900.0	DFT-s-OFDM PI/2 BPSK	1@0	3.78	13	PASS
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	100@0	5.2	13	PASS
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	5.18	13	PASS

B5_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



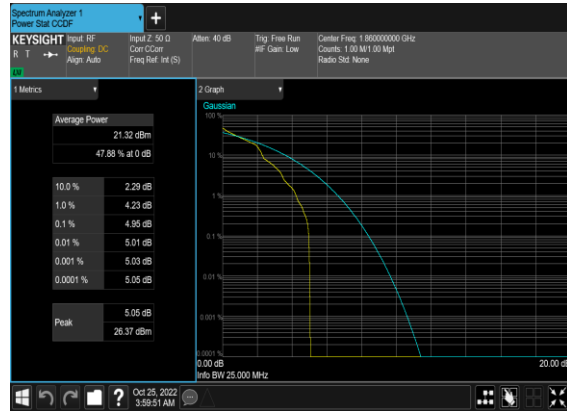
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B5_N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



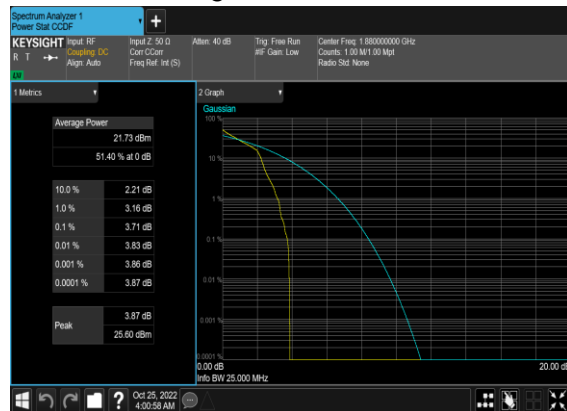
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B5_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B5_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



B5_N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



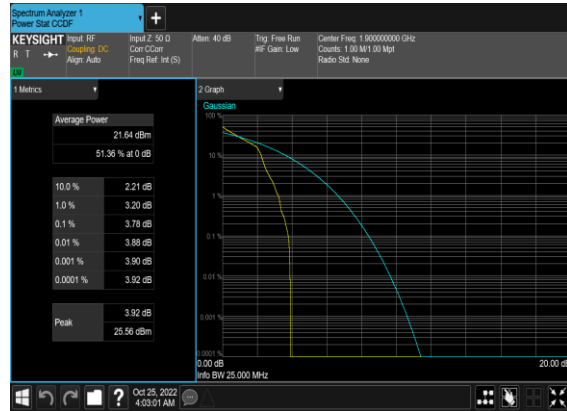
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B5_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



B5_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B5_N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B5_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

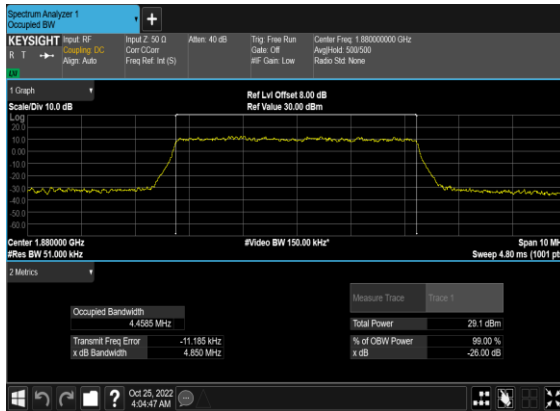


Occupied Bandwidth

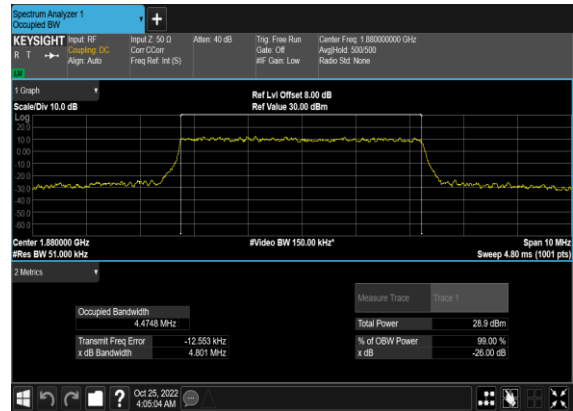
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
2	15	5	376000	1880.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4585	4.85
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	25@0	4.4748	4.801
2	15	5	376000	1880.0	CP-OFDM QPSK	25@0	4.4638	4.877
2	15	5	376000	1880.0	CP-OFDM 16 QAM	25@0	4.4631	4.841
2	15	5	376000	1880.0	CP-OFDM 64 QAM	25@0	4.4776	4.841
2	15	5	376000	1880.0	CP-OFDM 256 QAM	25@0	4.459	4.817
2	15	10	376000	1880.0	DFT-s-OFDM PI/2 BPSK	50@0	8.924	9.584
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	50@0	8.8955	9.484
2	15	10	376000	1880.0	CP-OFDM QPSK	52@0	9.2942	9.906
2	15	10	376000	1880.0	CP-OFDM 16 QAM	52@0	9.2915	9.883
2	15	10	376000	1880.0	CP-OFDM 64 QAM	52@0	9.2855	9.897
2	15	10	376000	1880.0	CP-OFDM 256 QAM	52@0	9.2777	9.879
2	15	15	376000	1880.0	DFT-s-OFDM PI/2 BPSK	75@0	13.389	14.25
2	15	15	376000	1880.0	DFT-s-OFDM QPSK	75@0	13.394	14.13
2	15	15	376000	1880.0	CP-OFDM QPSK	79@0	14.078	14.82
2	15	15	376000	1880.0	CP-OFDM 16 QAM	79@0	14.066	14.7
2	15	15	376000	1880.0	CP-OFDM 64 QAM	79@0	14.096	14.74
2	15	15	376000	1880.0	CP-OFDM 256 QAM	79@0	14.1	14.79
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	100@0	17.861	19.05
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	17.887	19.05
2	15	20	376000	1880.0	CP-OFDM QPSK	106@0	18.909	19.9
2	15	20	376000	1880.0	CP-OFDM 16 QAM	106@0	18.921	19.87

2	15	20	376000	1880.0	CP-OFDM 64 QAM	106@0	18.913	19.97
2	15	20	376000	1880.0	CP-OFDM 256 QAM	106@0	18.888	19.87
2	15	25	376000	1880.0	DFT-s- OFDM PI/2 BPSK	128@0	22.833	23.8
2	15	25	376000	1880.0	DFT-s- OFDM QPSK	128@0	22.914	23.98
2	15	25	376000	1880.0	CP-OFDM QPSK	133@0	23.72	24.79
2	15	25	376000	1880.0	CP-OFDM 16 QAM	133@0	23.753	24.78
2	15	25	376000	1880.0	CP-OFDM 64 QAM	133@0	23.747	24.9
2	15	25	376000	1880.0	CP-OFDM 256 QAM	133@0	23.717	24.93
2	15	30	376000	1880.0	DFT-s- OFDM PI/2 BPSK	160@0	28.565	29.71
2	15	30	376000	1880.0	DFT-s- OFDM QPSK	160@0	28.54	29.66
2	15	30	376000	1880.0	CP-OFDM QPSK	160@0	28.549	29.64
2	15	30	376000	1880.0	CP-OFDM 16 QAM	160@0	28.511	29.77
2	15	30	376000	1880.0	CP-OFDM 64 QAM	160@0	28.546	29.71
2	15	30	376000	1880.0	CP-OFDM 256 QAM	160@0	28.48	29.77

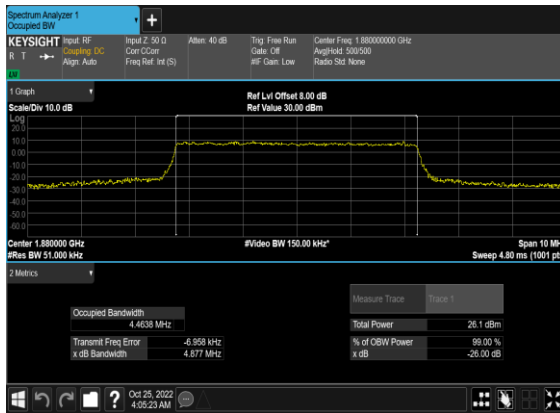
B5_N2(5M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



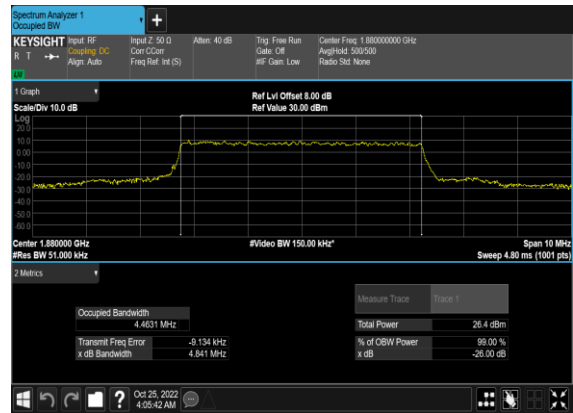
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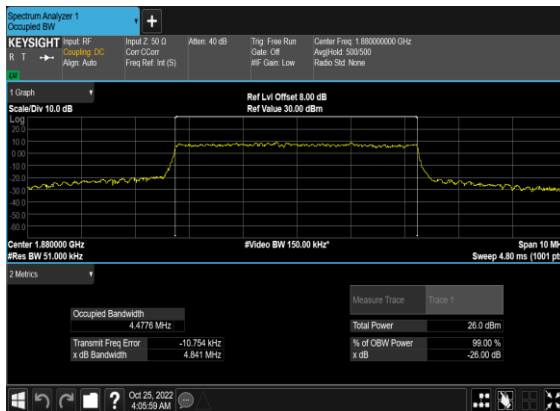
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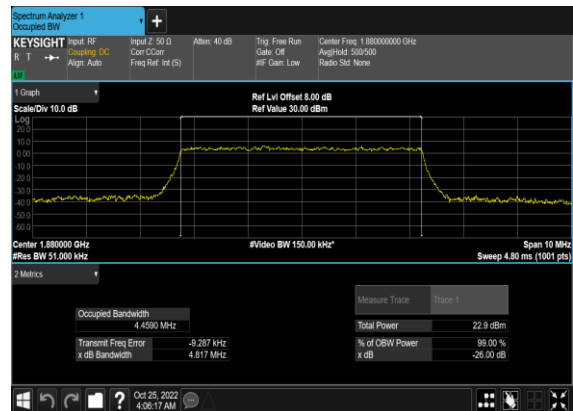
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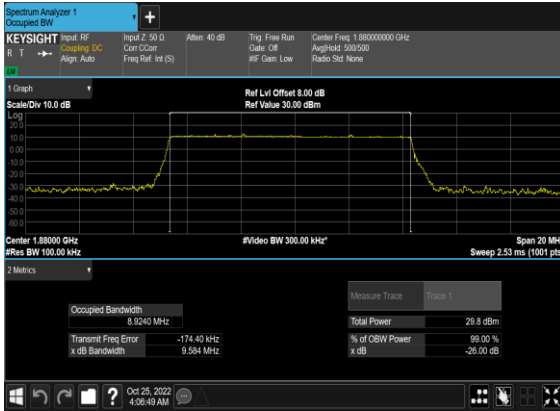
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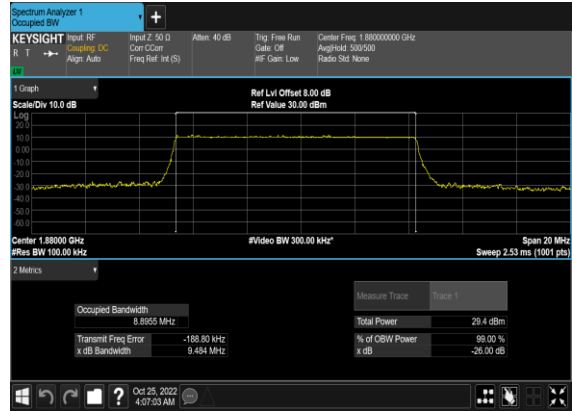
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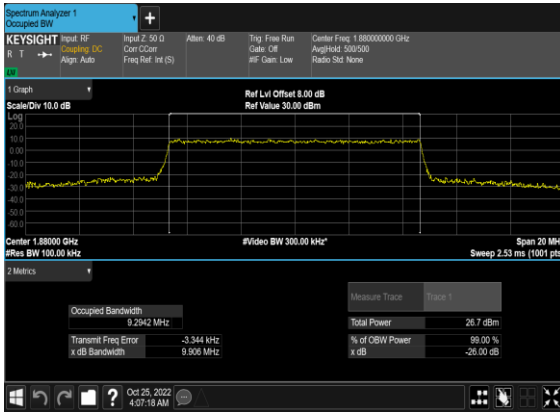
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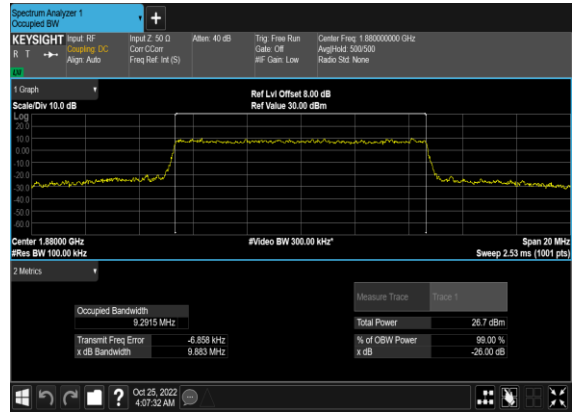
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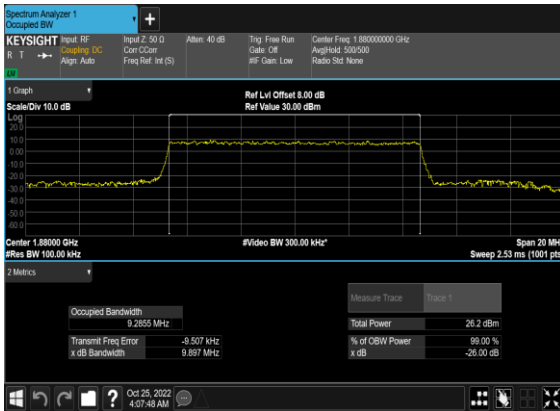
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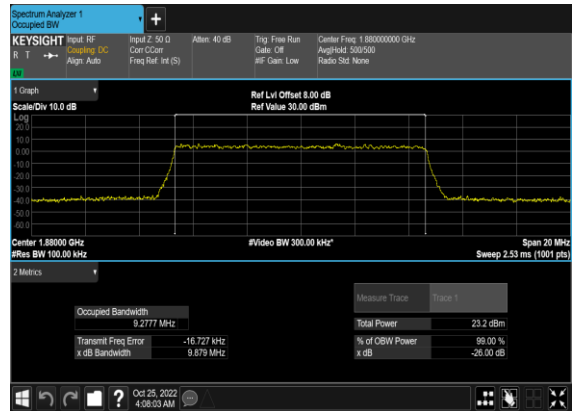
B5_N2(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



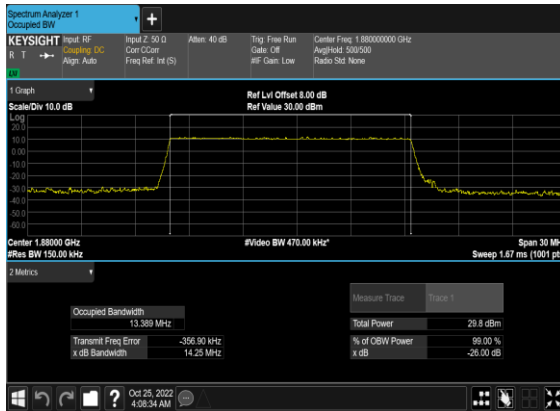
B5_N2(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



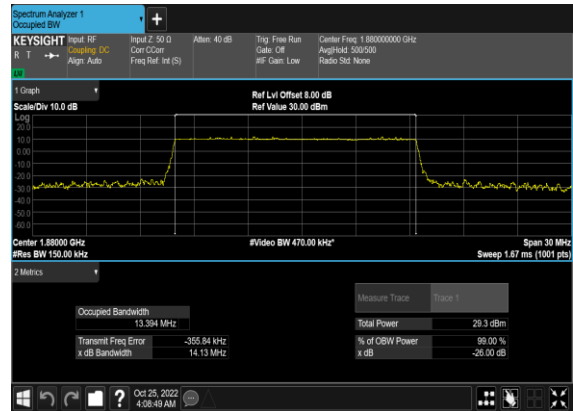
B5_N2(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



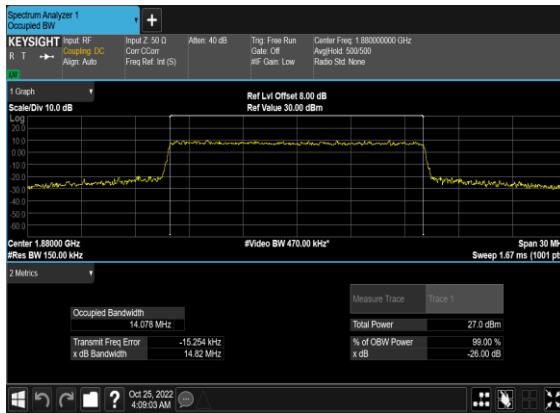
B5_N2(15M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B5_N2(15M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



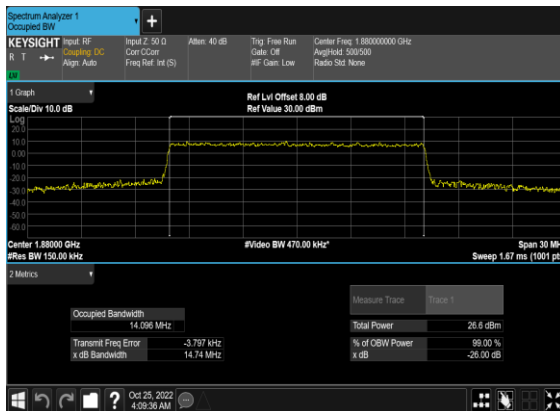
B5_N2(15M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



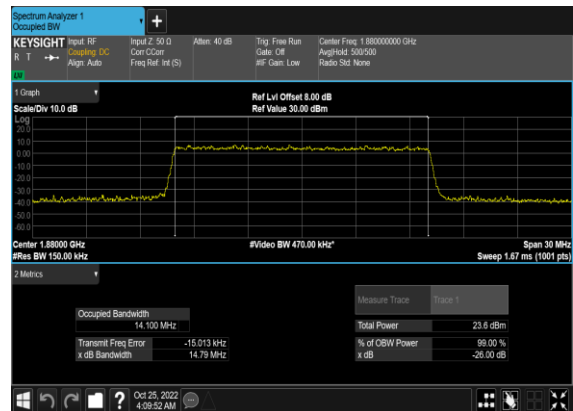
B5_N2(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



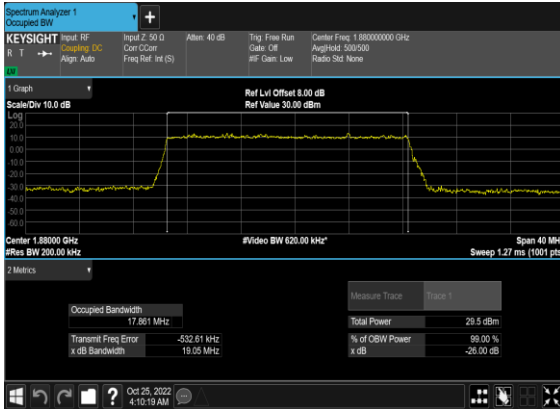
B5_N2(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



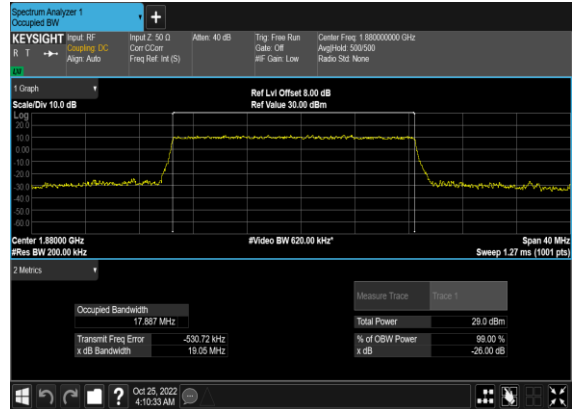
B5_N2(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



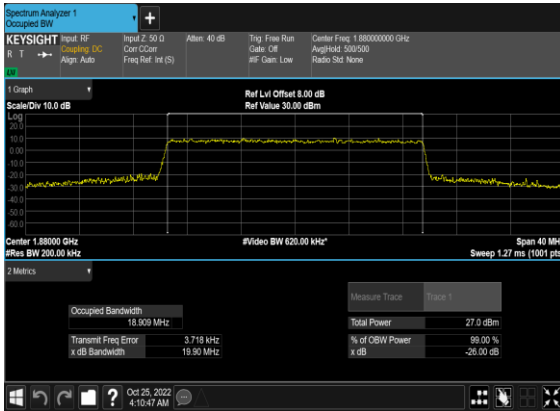
B5_N2(20M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B5_N2(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



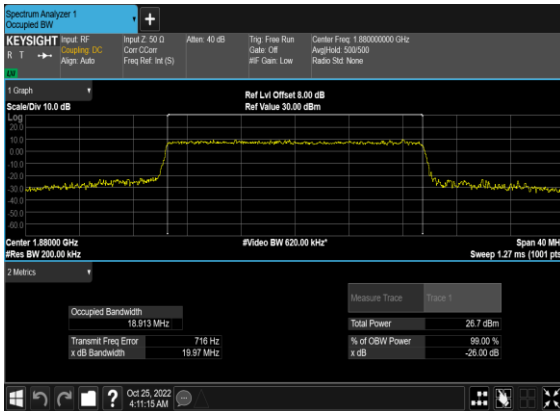
B5_N2(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



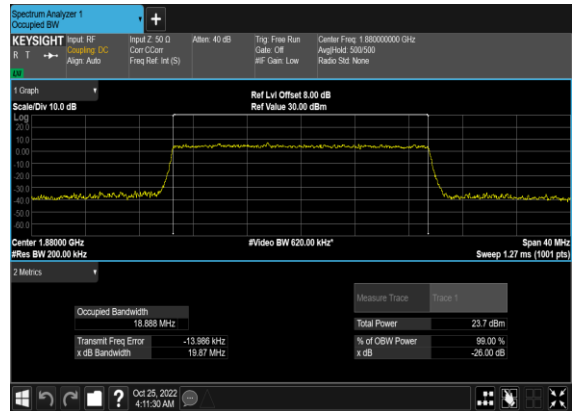
B5_N2(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



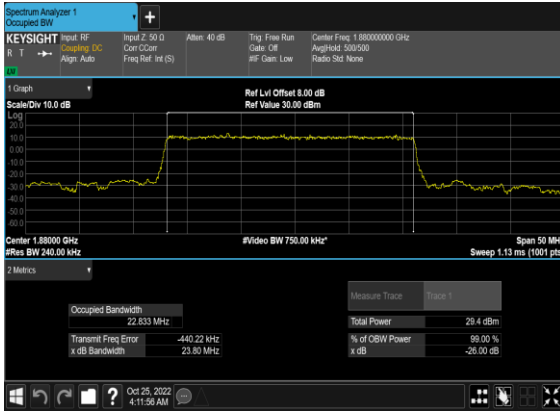
B5_N2(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



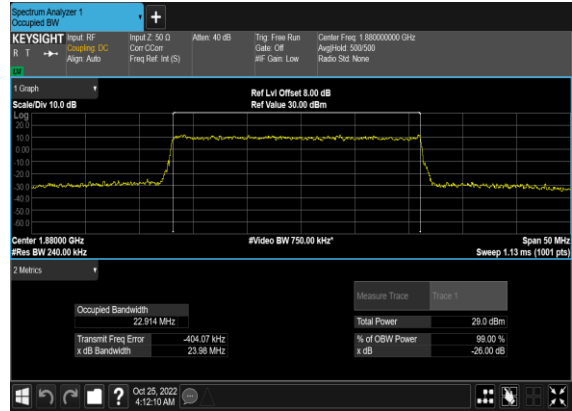
B5_N2(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



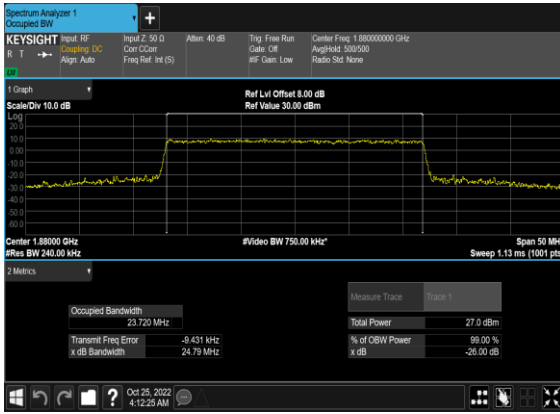
B5_N2(25M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B5_N2(25M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



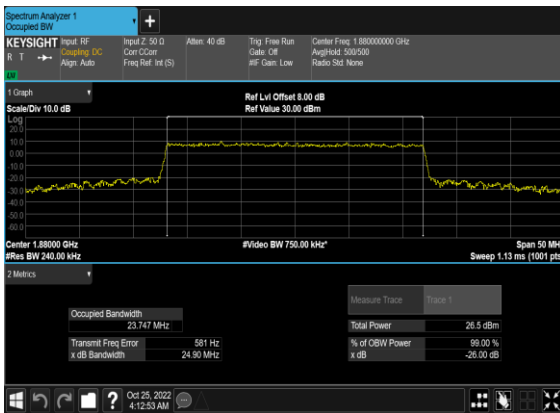
B5_N2(25M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



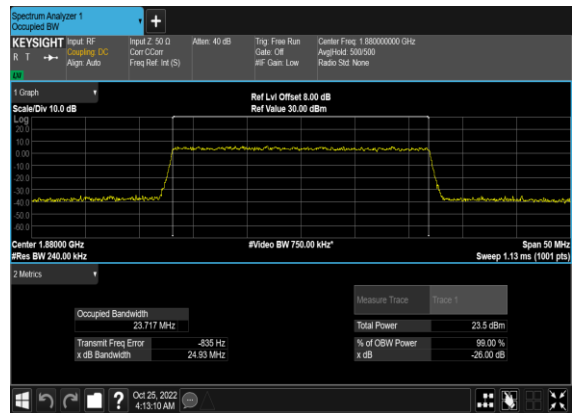
B5_N2(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



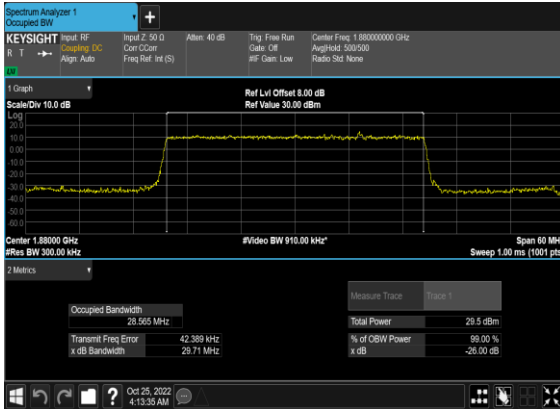
B5_N2(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



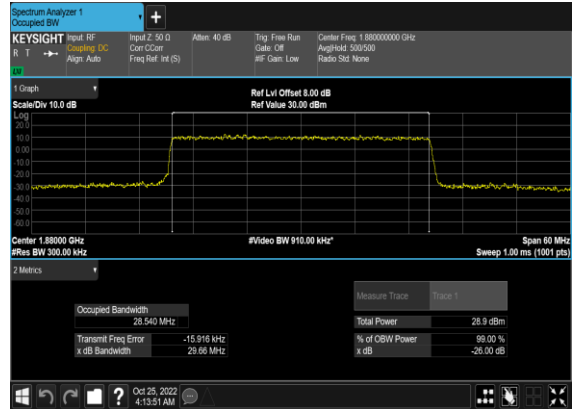
B5_N2(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B5_N2(30M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



B5_N2(30M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



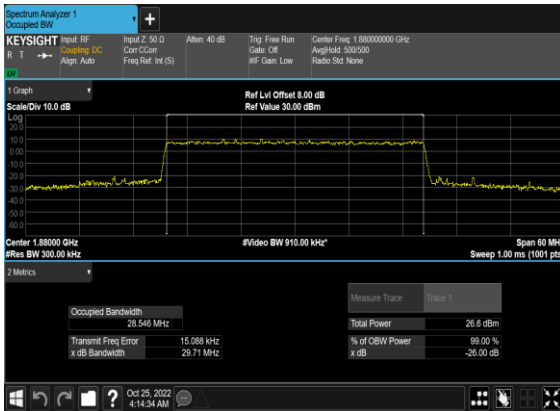
B5_N2(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



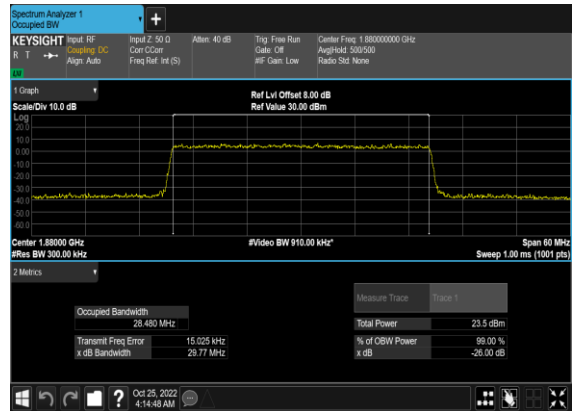
B5_N2(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B5_N2(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B5_N2(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

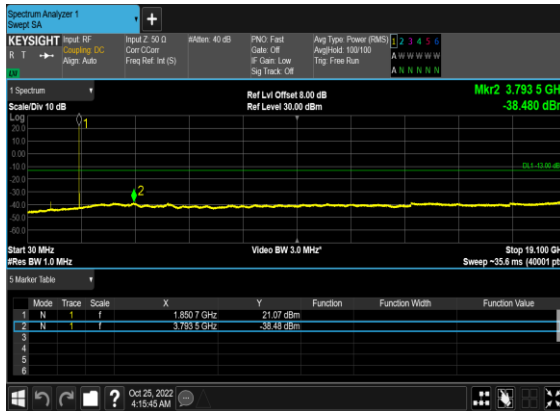


Conducted Spurious Emissions

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	---
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	---
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	---
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	---
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	30	373000	1865.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	30	373000	1865.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	30	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	30	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	30	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	30	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	---
2	15	30	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	---
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

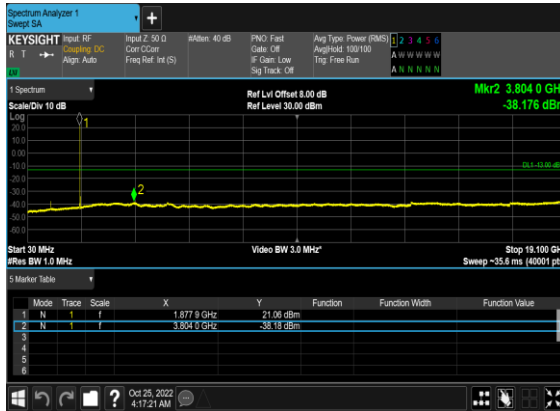
B5_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



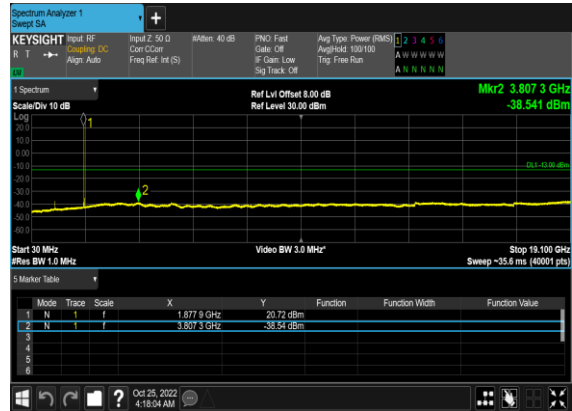
B5_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



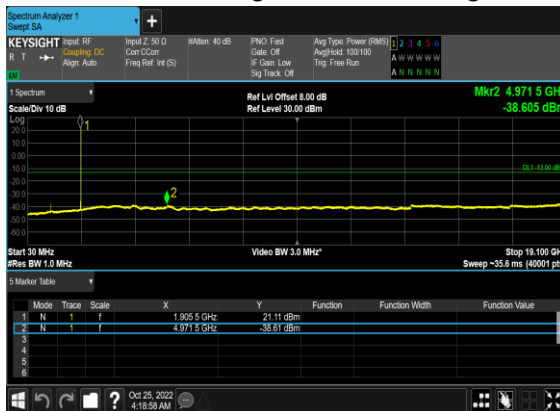
B5_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



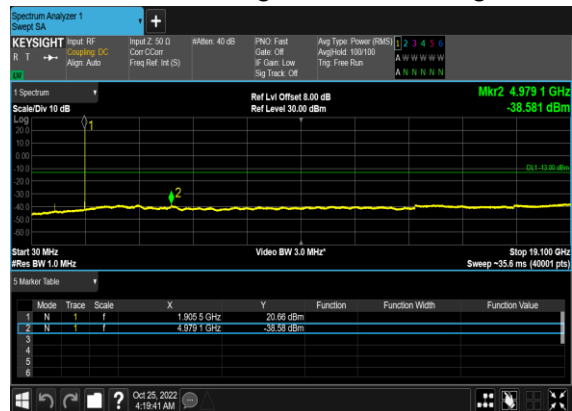
B5_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



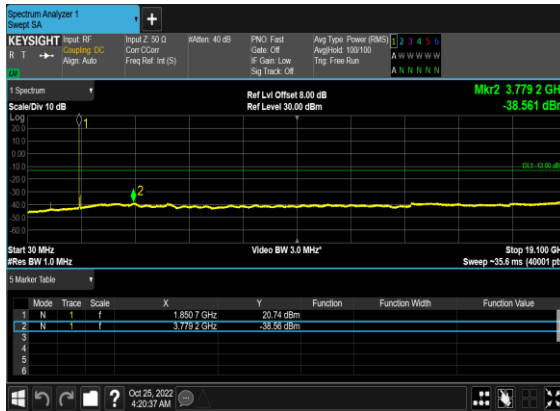
B5_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



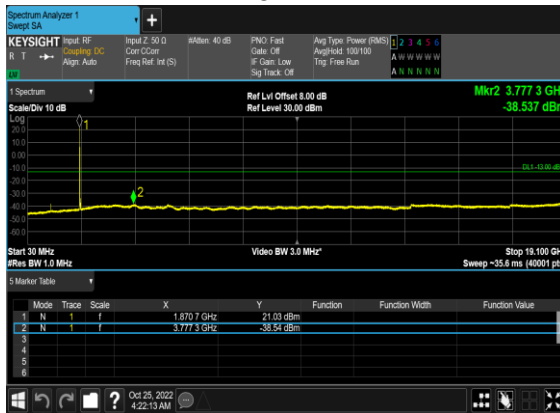
B5_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



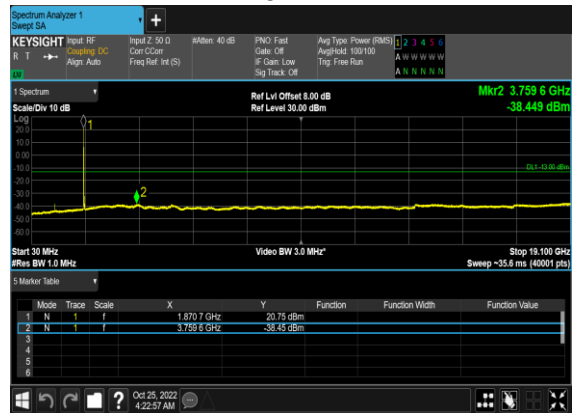
B5_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



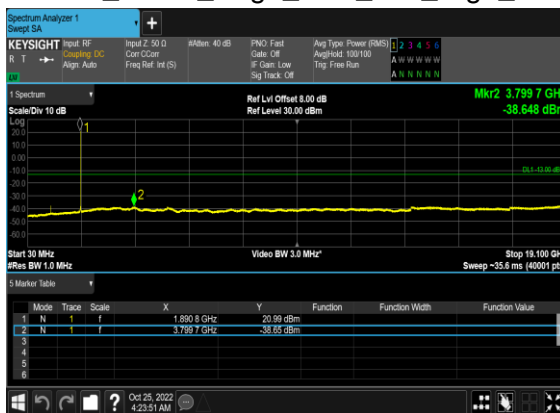
B5_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



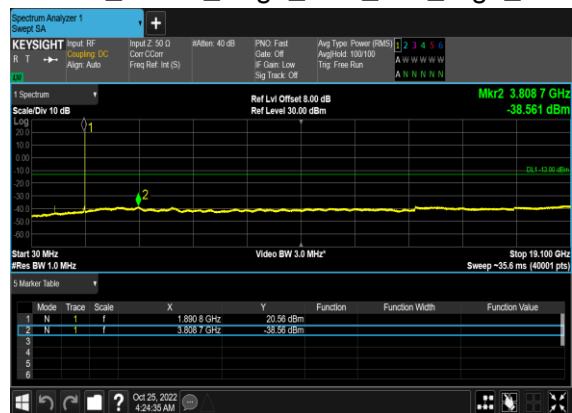
B5_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



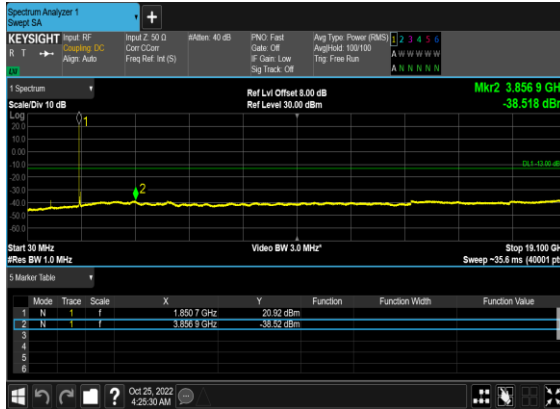
B5_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



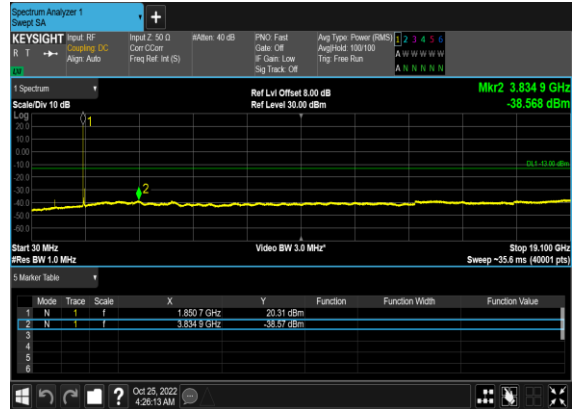
B5_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



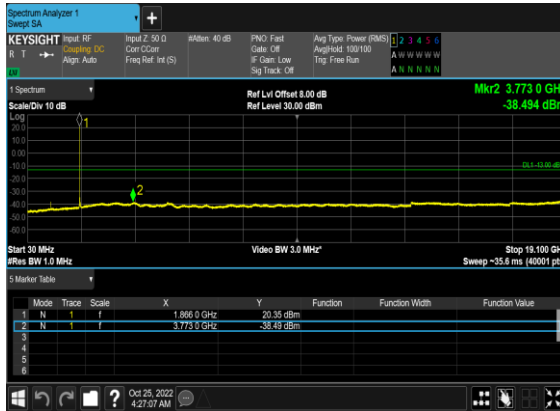
B5_N2(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



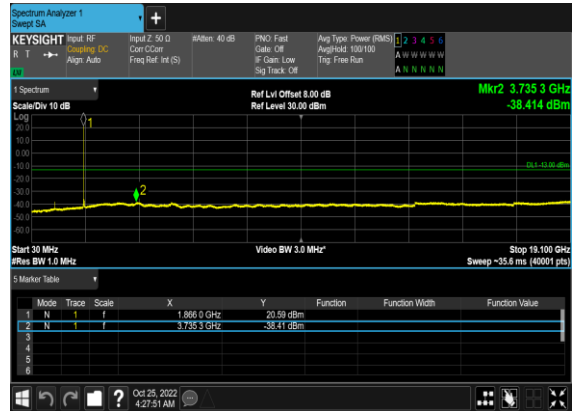
B5_N2(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



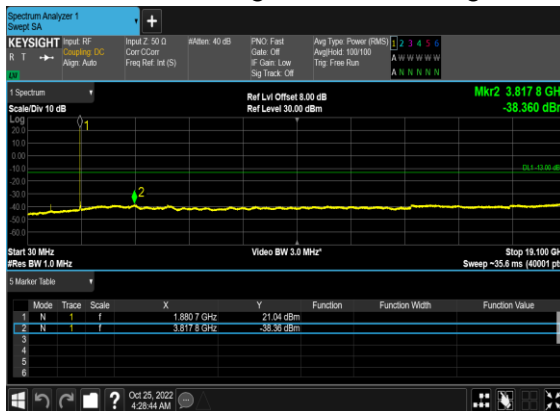
B5_N2(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



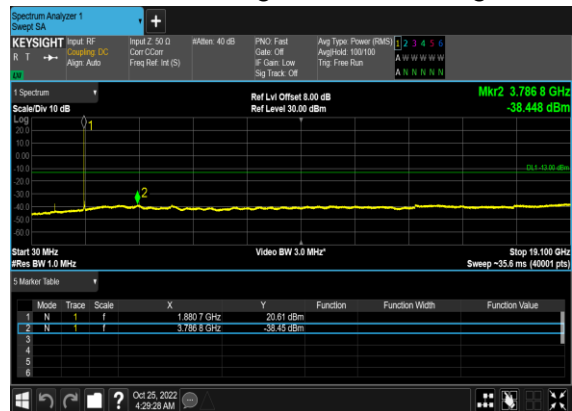
B5_N2(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B5_N2(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



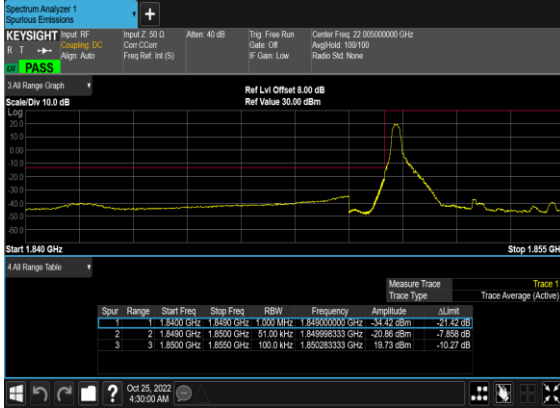
B5_N2(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



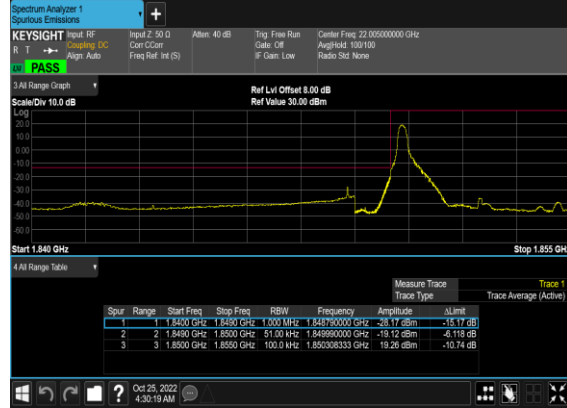
Conducted Band Edge

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	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
2	15	30	373000	1865.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
2	15	30	373000	1865.0	DFT-s-OFDM BPSK	160@0	see graph	PASS
2	15	30	373000	1865.0	DFT-s-OFDM QPSK	160@0	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM BPSK	1@159	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	1@159	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM BPSK	160@0	see graph	PASS
2	15	30	379000	1895.0	DFT-s-OFDM QPSK	160@0	see graph	PASS

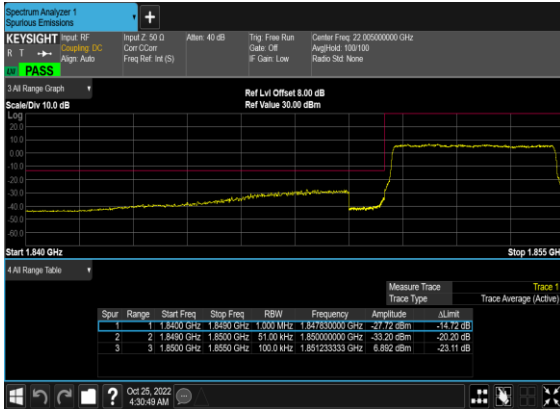
B5_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



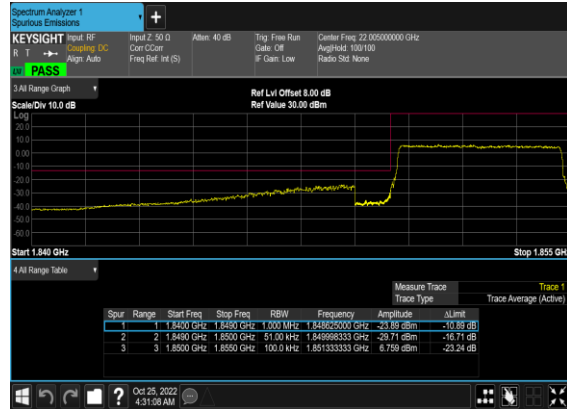
B5_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



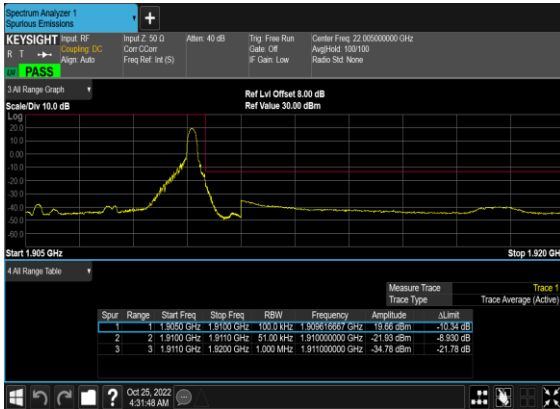
B5_N2(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



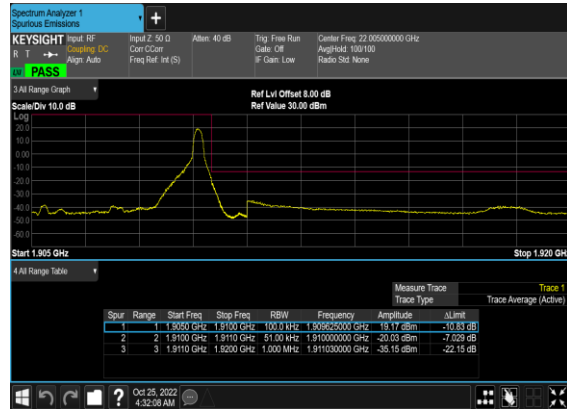
B5_N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



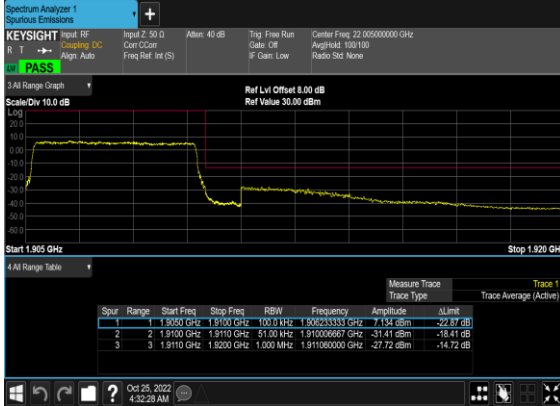
B5_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



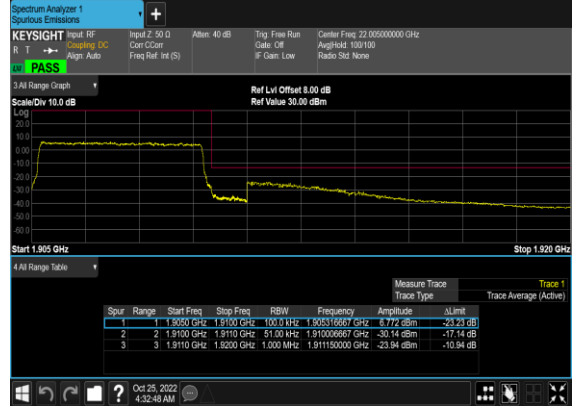
B5_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



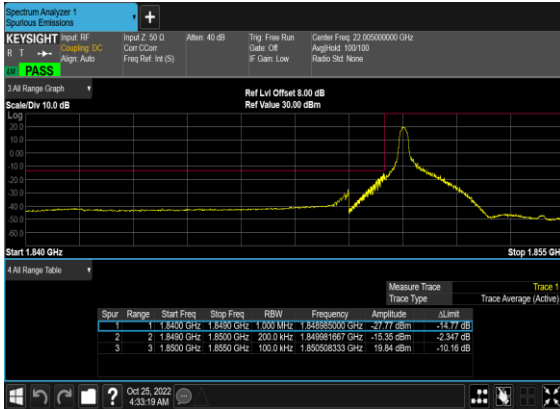
B5_N2(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



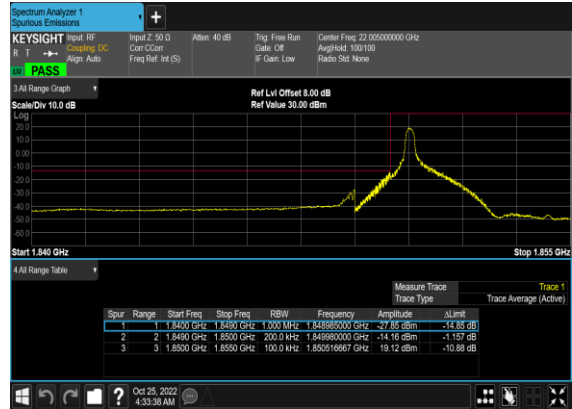
B5_N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



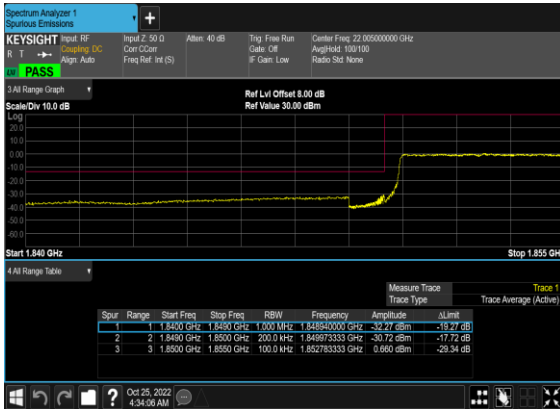
B5_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



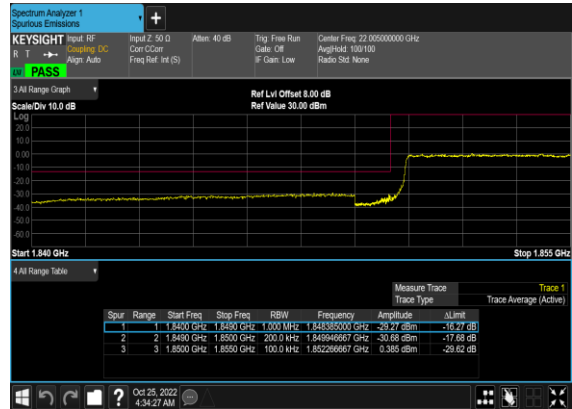
B5_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



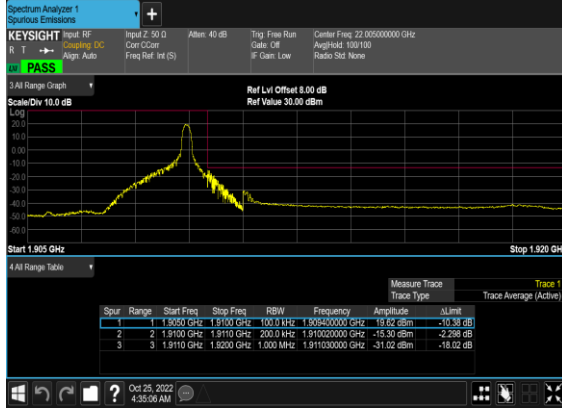
B5_N2(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



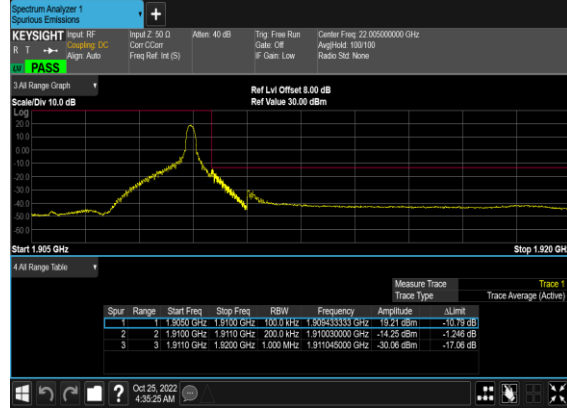
B5_N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



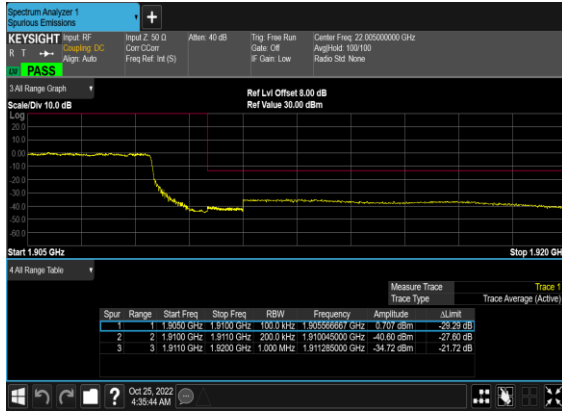
B5_N2(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



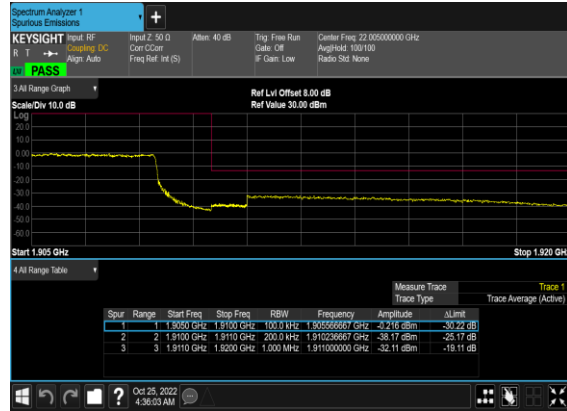
B5_N2(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



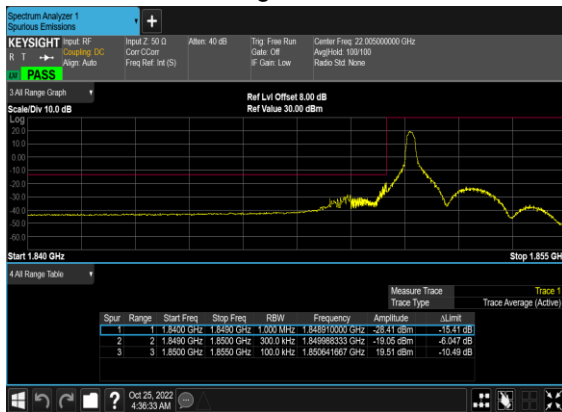
B5_N2(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



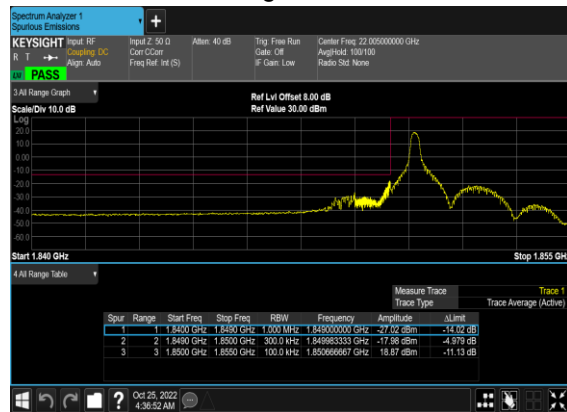
B5_N2(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



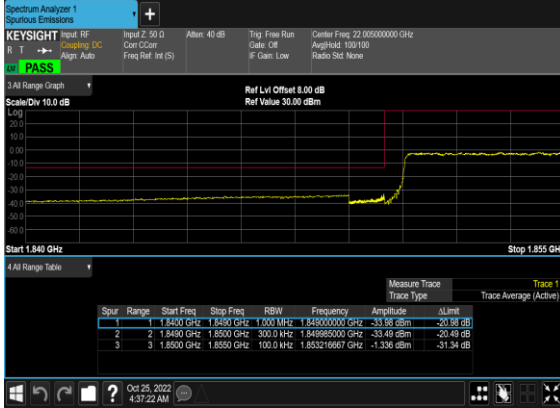
B5_N2(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



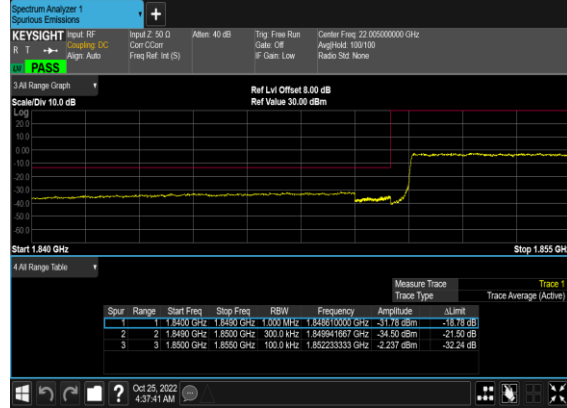
B5_N2(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N2(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B5_N2(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



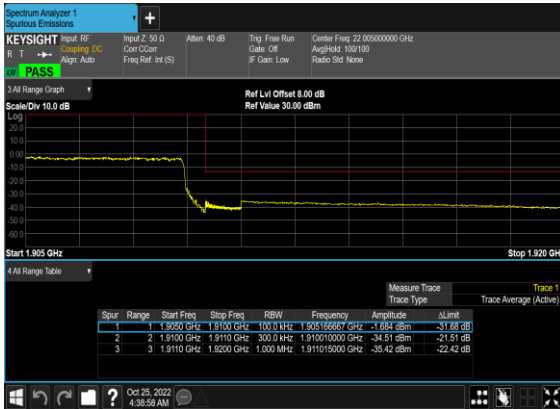
B5_N2(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



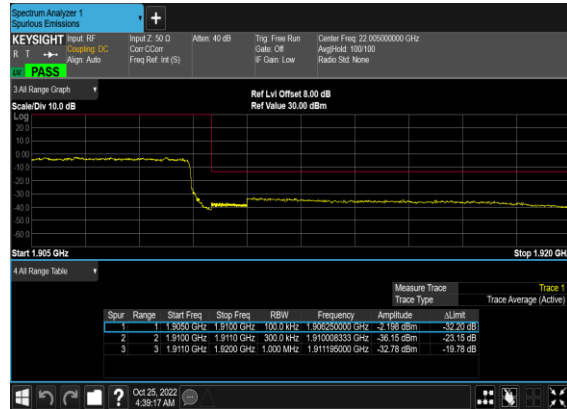
B5_N2(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N2(30M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B5_N2(30M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N5-Ant 0

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-4.3dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.51	17.06	0.0508
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.54	16.09	0.0406
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.54	17.09	0.0512
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.54	16.09	0.0406
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.96	16.51	0.0448
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.55	16.1	0.0407
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@1	23.37	16.92	0.0492
5	15	10	165800	829.0	DFT-s-OFDM 16 QAM	1@1	22.38	15.93	0.0392
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	22.46	16.01	0.0399
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.41	15.96	0.0394
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@1	22.41	15.96	0.0394
5	15	10	168800	844.0	DFT-s-OFDM 16 QAM	1@1	22.34	15.89	0.0388
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.34	16.89	0.0489
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.49	16.04	0.0402
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	22.62	16.17	0.0414
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.43	15.98	0.0396
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	22.56	16.11	0.0408
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.46	16.01	0.0399
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@1	23.44	16.99	0.0500

5	15	20	166800	834.0	DFT-s-OFDM 16 QAM	1@1	22.45	16	0.0398
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.44	16.99	0.0500
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.41	15.96	0.0394
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@1	23.44	16.99	0.0500
5	15	20	167800	839.0	DFT-s-OFDM 16 QAM	1@1	22.38	15.93	0.0392
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	64@32	23.56	17.11	0.0514
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.4	16.95	0.0495
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@131	23.3	16.85	0.0484
5	15	25	167300	836.5	DFT-s-OFDM QPSK	64@32	23.59	17.14	0.0518
5	15	25	167300	836.5	DFT-s-OFDM QPSK	1@1	23.37	16.92	0.0492
5	15	25	167300	836.5	DFT-s-OFDM QPSK	1@131	23.26	16.81	0.0480
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	64@32	22.57	16.12	0.0409
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.36	15.91	0.0390
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	1@131	22.32	15.87	0.0386
5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	64@32	21.06	14.61	0.0289
5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	1@1	21.08	14.63	0.0290
5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	1@131	20.95	14.5	0.0282
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	64@32	19.2	12.75	0.0188
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.04	12.59	0.0182
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	1@131	18.99	12.54	0.0179
5	15	25	167300	836.5	CP-OFDM QPSK	67@33	22.08	15.63	0.0366
5	15	25	167300	836.5	CP-OFDM QPSK	1@1	22	15.55	0.0359
5	15	25	167300	836.5	CP-OFDM QPSK	1@131	21.78	15.33	0.0341

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	0.0053	PASS	NV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0052	PASS	LV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0040	PASS	HV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0029	PASS	-30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0059	PASS	-20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0021	PASS	-10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0047	PASS	0°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0022	PASS	10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0053	PASS	20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0036	PASS	30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0057	PASS	40°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0056	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	166800	834.0	DFT-s-OFDM PI/2 BPSK	100@0	4.7	13	PASS
5	15	20	166800	834.0	DFT-s-OFDM PI/2 BPSK	1@0	4.55	13	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	5.62	13	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	5.59	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	4.64	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	4.3	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.6	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	5.26	13	PASS
5	15	20	167800	839.0	DFT-s-OFDM PI/2 BPSK	100@0	4.55	13	PASS
5	15	20	167800	839.0	DFT-s-OFDM PI/2 BPSK	1@0	4.14	13	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	5.57	13	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	5.0	13	PASS

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



N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



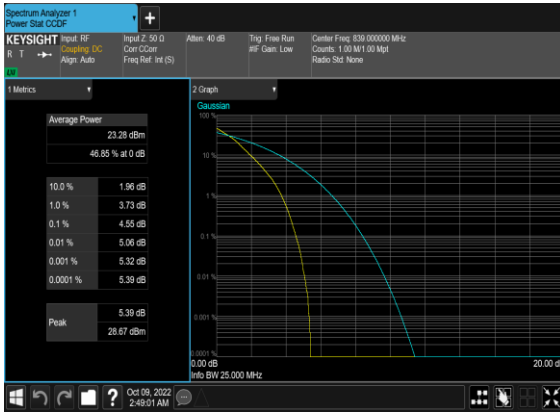
N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



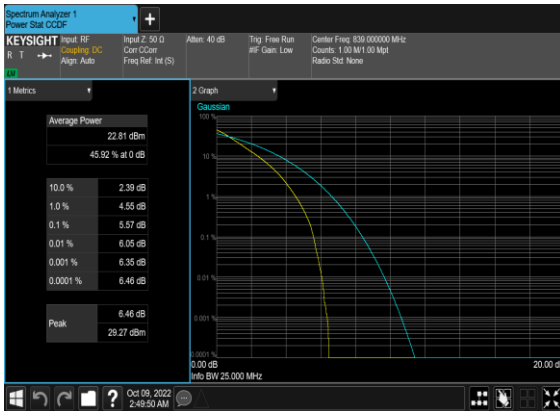
N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N5(20M)_DFT-s-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)
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	25@0	4.472	4.816
5	15	5	167300	836.5	DFT-s-OFDM QPSK	25@0	4.4726	4.801
5	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4635	4.854
5	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4646	4.785
5	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4778	4.787
5	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4709	4.824
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@0	8.9082	9.556
5	15	10	167300	836.5	DFT-s-OFDM QPSK	50@0	8.9019	9.374
5	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2773	9.883
5	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2845	9.905
5	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2814	9.853
5	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2929	9.871
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	75@0	13.372	14.07
5	15	15	167300	836.5	DFT-s-OFDM QPSK	75@0	13.407	14.12
5	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.098	14.77
5	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.101	14.77
5	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.101	14.83
5	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.098	14.82
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	17.891	18.98
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	17.887	19.06
5	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.9	19.82
5	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.93	19.88

5	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.909	19.95
5	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.886	19.88
5	15	25	167300	836.5	DFT-s- OFDM PI/2 BPSK	128@0	22.867	24.06
5	15	25	167300	836.5	DFT-s- OFDM QPSK	128@0	22.893	23.94
5	15	25	167300	836.5	CP-OFDM QPSK	133@0	23.752	24.76
5	15	25	167300	836.5	CP-OFDM 16 QAM	133@0	23.727	24.84
5	15	25	167300	836.5	CP-OFDM 64 QAM	133@0	23.786	24.81
5	15	25	167300	836.5	CP-OFDM 256 QAM	133@0	23.77	24.84