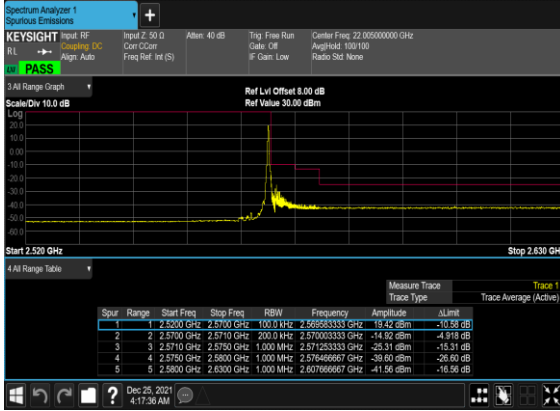




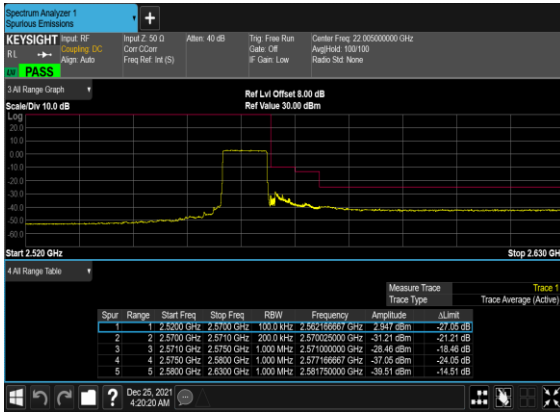
B5_N7(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



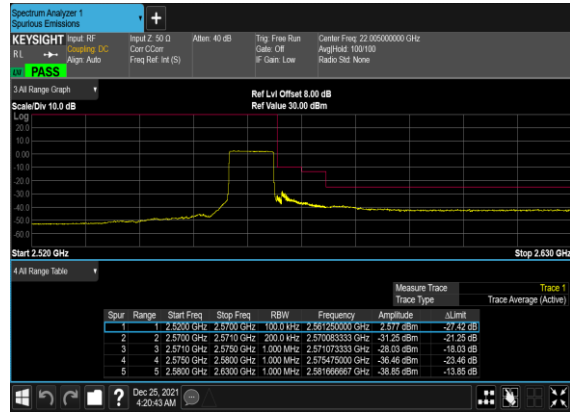
B5_N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N7(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

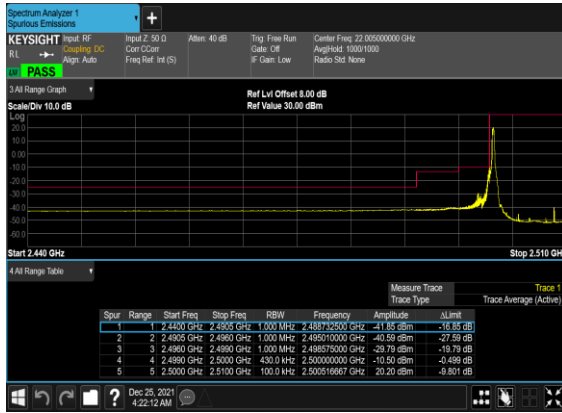


B5_N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

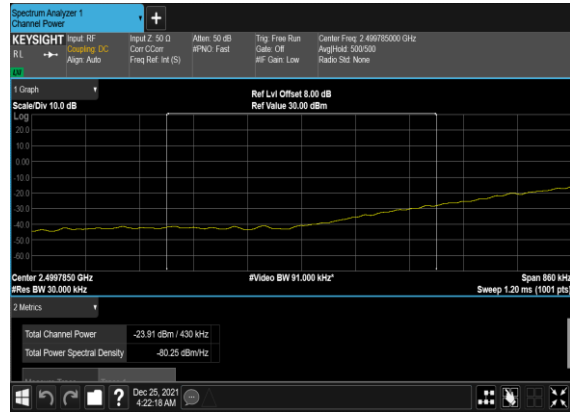




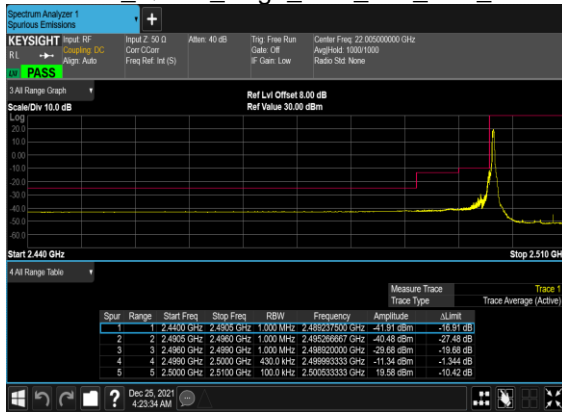
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



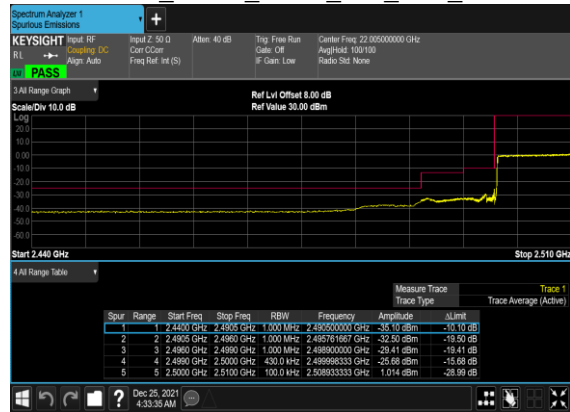
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

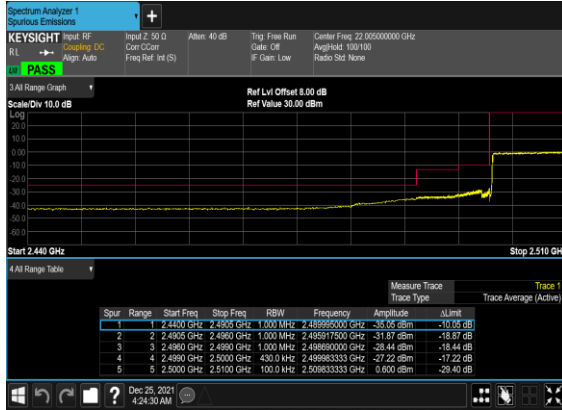


B5_N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH





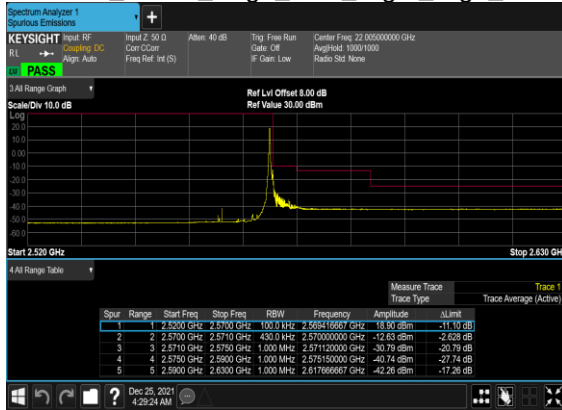
B5_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



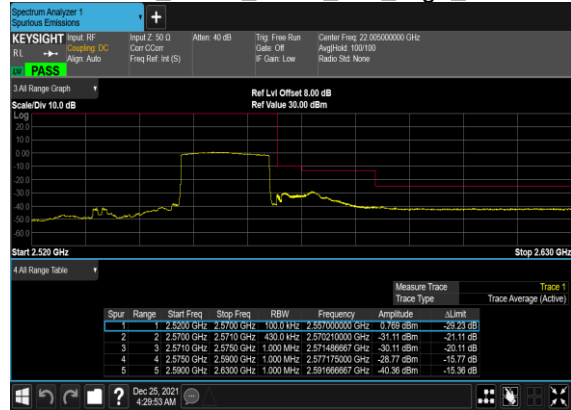
B5_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B5_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

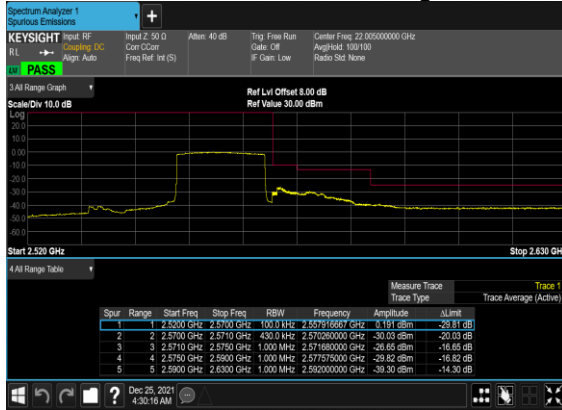


B5_N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH





B5_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Software Version: 21.02.121001

FR1 N12

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)
12	15	5	146300	701.5	DFT-s-OFDM PI/2 BPSK	12@6	23.07
12	15	5	146300	701.5	DFT-s-OFDM PI/2 BPSK	1@1	23.22
12	15	5	146300	701.5	DFT-s-OFDM PI/2 BPSK	1@23	23.02
12	15	5	146300	701.5	DFT-s-OFDM QPSK	12@6	23.05
12	15	5	146300	701.5	DFT-s-OFDM QPSK	1@1	23.1
12	15	5	146300	701.5	DFT-s-OFDM QPSK	1@23	22.92
12	15	5	146300	701.5	DFT-s-OFDM 16 QAM	12@6	22
12	15	5	146300	701.5	DFT-s-OFDM 16 QAM	1@1	22.15
12	15	5	146300	701.5	DFT-s-OFDM 16 QAM	1@23	21.83
12	15	5	146300	701.5	DFT-s-OFDM 64 QAM	12@6	20.52
12	15	5	146300	701.5	DFT-s-OFDM 64 QAM	1@1	20.7
12	15	5	146300	701.5	DFT-s-OFDM 64 QAM	1@23	20.43
12	15	5	146300	701.5	DFT-s-OFDM 256 QAM	12@6	18.52
12	15	5	146300	701.5	DFT-s-OFDM 256 QAM	1@1	18.78
12	15	5	146300	701.5	DFT-s-OFDM 256 QAM	1@23	18.42
12	15	5	146300	701.5	CP-OFDM QPSK	13@6	21.48
12	15	5	146300	701.5	CP-OFDM QPSK	1@1	21.65
12	15	5	146300	701.5	CP-OFDM QPSK	1@23	21.55
12	15	5	147500	707.5	DFT-s-OFDM PI/2 BPSK	12@6	23.04
12	15	5	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.04
12	15	5	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@23	22.95
12	15	5	147500	707.5	DFT-s-OFDM QPSK	12@6	23.01
12	15	5	147500	707.5	DFT-s-OFDM QPSK	1@1	23.03
12	15	5	147500	707.5	DFT-s-OFDM QPSK	1@23	22.92
12	15	5	147500	707.5	DFT-s-OFDM 16 QAM	12@6	21.83
12	15	5	147500	707.5	DFT-s-OFDM	1@1	22.04



					16 QAM		
12	15	5	147500	707.5	DFT-s-OFDM 16 QAM	1@23	21.88
12	15	5	147500	707.5	DFT-s-OFDM 64 QAM	12@6	20.41
12	15	5	147500	707.5	DFT-s-OFDM 64 QAM	1@1	20.55
12	15	5	147500	707.5	DFT-s-OFDM 64 QAM	1@23	20.4
12	15	5	147500	707.5	DFT-s-OFDM 256 QAM	12@6	18.44
12	15	5	147500	707.5	DFT-s-OFDM 256 QAM	1@1	18.52
12	15	5	147500	707.5	DFT-s-OFDM 256 QAM	1@23	18.35
12	15	5	147500	707.5	CP-OFDM QPSK	13@6	21.46
12	15	5	147500	707.5	CP-OFDM QPSK	1@1	21.51
12	15	5	147500	707.5	CP-OFDM QPSK	1@23	21.39
12	15	5	148700	713.5	DFT-s-OFDM PI/2 BPSK	12@6	22.89
12	15	5	148700	713.5	DFT-s-OFDM PI/2 BPSK	1@1	22.97
12	15	5	148700	713.5	DFT-s-OFDM PI/2 BPSK	1@23	22.79
12	15	5	148700	713.5	DFT-s-OFDM QPSK	12@6	22.86
12	15	5	148700	713.5	DFT-s-OFDM QPSK	1@1	22.92
12	15	5	148700	713.5	DFT-s-OFDM QPSK	1@23	22.74
12	15	5	148700	713.5	DFT-s-OFDM 16 QAM	12@6	21.83
12	15	5	148700	713.5	DFT-s-OFDM 16 QAM	1@1	21.82
12	15	5	148700	713.5	DFT-s-OFDM 16 QAM	1@23	21.77
12	15	5	148700	713.5	DFT-s-OFDM 64 QAM	12@6	20.34
12	15	5	148700	713.5	DFT-s-OFDM 64 QAM	1@1	20.44
12	15	5	148700	713.5	DFT-s-OFDM 64 QAM	1@23	20.34
12	15	5	148700	713.5	DFT-s-OFDM 256 QAM	12@6	18.27
12	15	5	148700	713.5	DFT-s-OFDM 256 QAM	1@1	18.39
12	15	5	148700	713.5	DFT-s-OFDM 256 QAM	1@23	18.21
12	15	5	148700	713.5	CP-OFDM QPSK	13@6	21.31
12	15	5	148700	713.5	CP-OFDM QPSK	1@1	21.54
12	15	5	148700	713.5	CP-OFDM QPSK	1@23	21.32
12	15	10	146800	704	DFT-s-OFDM PI/2 BPSK	25@12	23.04
12	15	10	146800	704	DFT-s-OFDM PI/2 BPSK	1@1	23.09
12	15	10	146800	704	DFT-s-OFDM PI/2 BPSK	1@50	23.02
12	15	10	146800	704	DFT-s-OFDM	25@12	23.03



					QPSK		
12	15	10	146800	704	DFT-s-OFDM QPSK	1@1	23.02
12	15	10	146800	704	DFT-s-OFDM QPSK	1@50	22.9
12	15	10	146800	704	DFT-s-OFDM 16 QAM	25@12	21.94
12	15	10	146800	704	DFT-s-OFDM 16 QAM	1@1	22.07
12	15	10	146800	704	DFT-s-OFDM 16 QAM	1@50	21.94
12	15	10	146800	704	DFT-s-OFDM 64 QAM	25@12	20.48
12	15	10	146800	704	DFT-s-OFDM 64 QAM	1@1	20.59
12	15	10	146800	704	DFT-s-OFDM 64 QAM	1@50	20.34
12	15	10	146800	704	DFT-s-OFDM 256 QAM	25@12	18.5
12	15	10	146800	704	DFT-s-OFDM 256 QAM	1@1	18.51
12	15	10	146800	704	DFT-s-OFDM 256 QAM	1@50	18.44
12	15	10	146800	704	CP-OFDM QPSK	26@13	21.44
12	15	10	146800	704	CP-OFDM QPSK	1@1	21.63
12	15	10	146800	704	CP-OFDM QPSK	1@50	21.44
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	25@12	23.04
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.07
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@50	22.96
12	15	10	147500	707.5	DFT-s-OFDM QPSK	25@12	23.02
12	15	10	147500	707.5	DFT-s-OFDM QPSK	1@1	22.95
12	15	10	147500	707.5	DFT-s-OFDM QPSK	1@50	22.83
12	15	10	147500	707.5	DFT-s-OFDM 16 QAM	25@12	21.9
12	15	10	147500	707.5	DFT-s-OFDM 16 QAM	1@1	22.03
12	15	10	147500	707.5	DFT-s-OFDM 16 QAM	1@50	21.84
12	15	10	147500	707.5	DFT-s-OFDM 64 QAM	25@12	20.41
12	15	10	147500	707.5	DFT-s-OFDM 64 QAM	1@1	20.52
12	15	10	147500	707.5	DFT-s-OFDM 64 QAM	1@50	20.38
12	15	10	147500	707.5	DFT-s-OFDM 256 QAM	25@12	18.46
12	15	10	147500	707.5	DFT-s-OFDM 256 QAM	1@1	18.53
12	15	10	147500	707.5	DFT-s-OFDM 256 QAM	1@50	18.37
12	15	10	147500	707.5	CP-OFDM QPSK	26@13	21.55
12	15	10	147500	707.5	CP-OFDM QPSK	1@1	21.52
12	15	10	147500	707.5	CP-OFDM	1@50	21.37



					QPSK		
12	15	10	148200	711	DFT-s-OFDM PI/2 BPSK	25@12	23.03
12	15	10	148200	711	DFT-s-OFDM PI/2 BPSK	1@1	22.94
12	15	10	148200	711	DFT-s-OFDM PI/2 BPSK	1@50	22.83
12	15	10	148200	711	DFT-s-OFDM QPSK	25@12	23
12	15	10	148200	711	DFT-s-OFDM QPSK	1@1	22.89
12	15	10	148200	711	DFT-s-OFDM QPSK	1@50	22.77
12	15	10	148200	711	DFT-s-OFDM 16 QAM	25@12	21.92
12	15	10	148200	711	DFT-s-OFDM 16 QAM	1@1	21.84
12	15	10	148200	711	DFT-s-OFDM 16 QAM	1@50	21.77
12	15	10	148200	711	DFT-s-OFDM 64 QAM	25@12	20.45
12	15	10	148200	711	DFT-s-OFDM 64 QAM	1@1	20.35
12	15	10	148200	711	DFT-s-OFDM 64 QAM	1@50	20.4
12	15	10	148200	711	DFT-s-OFDM 256 QAM	25@12	18.35
12	15	10	148200	711	DFT-s-OFDM 256 QAM	1@1	18.36
12	15	10	148200	711	DFT-s-OFDM 256 QAM	1@50	18.25
12	15	10	148200	711	CP-OFDM QPSK	26@13	21.44
12	15	10	148200	711	CP-OFDM QPSK	1@1	21.42
12	15	10	148200	711	CP-OFDM QPSK	1@50	21.34
12	15	15	147300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	23.08
12	15	15	147300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	23.29
12	15	15	147300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	22.98
12	15	15	147300	706.5	DFT-s-OFDM QPSK	36@18	23.08
12	15	15	147300	706.5	DFT-s-OFDM QPSK	1@1	23.24
12	15	15	147300	706.5	DFT-s-OFDM QPSK	1@77	22.94
12	15	15	147300	706.5	DFT-s-OFDM 16 QAM	36@18	22.08
12	15	15	147300	706.5	DFT-s-OFDM 16 QAM	1@1	22.13
12	15	15	147300	706.5	DFT-s-OFDM 16 QAM	1@77	21.87
12	15	15	147300	706.5	DFT-s-OFDM 64 QAM	36@18	20.58
12	15	15	147300	706.5	DFT-s-OFDM 64 QAM	1@1	20.86
12	15	15	147300	706.5	DFT-s-OFDM 64 QAM	1@77	20.46
12	15	15	147300	706.5	DFT-s-OFDM 256 QAM	36@18	18.6
12	15	15	147300	706.5	DFT-s-OFDM	1@1	18.79



					256 QAM		
12	15	15	147300	706.5	DFT-s-OFDM 256 QAM	1@77	18.4
12	15	15	147300	706.5	CP-OFDM QPSK	39@19	21.57
12	15	15	147300	706.5	CP-OFDM QPSK	1@1	21.74
12	15	15	147300	706.5	CP-OFDM QPSK	1@77	21.22
12	15	15	147500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	23.08
12	15	15	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.28
12	15	15	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	22.99
12	15	15	147500	707.5	DFT-s-OFDM QPSK	36@18	23.08
12	15	15	147500	707.5	DFT-s-OFDM QPSK	1@1	23.2
12	15	15	147500	707.5	DFT-s-OFDM QPSK	1@77	22.91
12	15	15	147500	707.5	DFT-s-OFDM 16 QAM	36@18	22.03
12	15	15	147500	707.5	DFT-s-OFDM 16 QAM	1@1	22.14
12	15	15	147500	707.5	DFT-s-OFDM 16 QAM	1@77	21.97
12	15	15	147500	707.5	DFT-s-OFDM 64 QAM	36@18	20.58
12	15	15	147500	707.5	DFT-s-OFDM 64 QAM	1@1	20.68
12	15	15	147500	707.5	DFT-s-OFDM 64 QAM	1@77	20.26
12	15	15	147500	707.5	DFT-s-OFDM 256 QAM	36@18	18.58
12	15	15	147500	707.5	DFT-s-OFDM 256 QAM	1@1	18.74
12	15	15	147500	707.5	DFT-s-OFDM 256 QAM	1@77	18.33
12	15	15	147500	707.5	CP-OFDM QPSK	39@19	21.59
12	15	15	147500	707.5	CP-OFDM QPSK	1@1	21.74
12	15	15	147500	707.5	CP-OFDM QPSK	1@77	21.23
12	15	15	147700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	23.09
12	15	15	147700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	23.25
12	15	15	147700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	23.3
12	15	15	147700	708.5	DFT-s-OFDM QPSK	36@18	23.03
12	15	15	147700	708.5	DFT-s-OFDM QPSK	1@1	23.2
12	15	15	147700	708.5	DFT-s-OFDM QPSK	1@77	22.87
12	15	15	147700	708.5	DFT-s-OFDM 16 QAM	36@18	22.01
12	15	15	147700	708.5	DFT-s-OFDM 16 QAM	1@1	22.21
12	15	15	147700	708.5	DFT-s-OFDM 16 QAM	1@77	21.82
12	15	15	147700	708.5	DFT-s-OFDM	36@18	20.51



					64 QAM		
12	15	15	147700	708.5	DFT-s-OFDM 64 QAM	1@1	20.62
12	15	15	147700	708.5	DFT-s-OFDM 64 QAM	1@77	20.3
12	15	15	147700	708.5	DFT-s-OFDM 256 QAM	36@18	18.52
12	15	15	147700	708.5	DFT-s-OFDM 256 QAM	1@1	18.77
12	15	15	147700	708.5	DFT-s-OFDM 256 QAM	1@77	18.39
12	15	15	147700	708.5	CP-OFDM QPSK	39@19	21.5
12	15	15	147700	708.5	CP-OFDM QPSK	1@1	21.72
12	15	15	147700	708.5	CP-OFDM QPSK	1@77	21.27



Frequency Stability

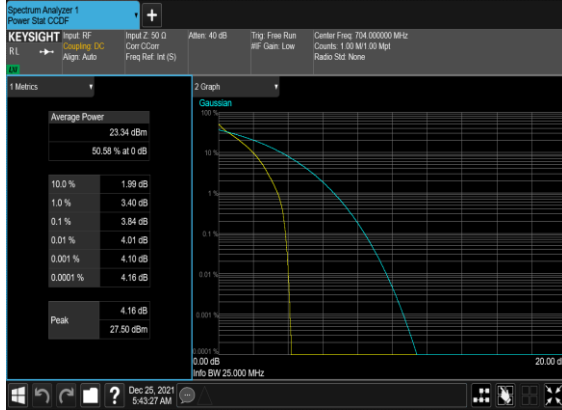
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0325	PASS	NV
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0274	PASS	LV
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0448	PASS	HV
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0244	PASS	-30°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0291	PASS	-20°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0033	PASS	-10°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0031	PASS	0°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0465	PASS	10°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0037	PASS	20°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0504	PASS	30°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0029	PASS	40°C
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	0.0028	PASS	50°C



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
12	15	10	146800	704.0	DFT-s-OFDM PI/2 BPSK	50@0	3.84	13	PASS
12	15	10	146800	704.0	DFT-s-OFDM PI/2 BPSK	1@0	3.63	13	PASS
12	15	10	146800	704.0	DFT-s-OFDM QPSK	50@0	4.8	13	PASS
12	15	10	146800	704.0	DFT-s-OFDM QPSK	1@0	3.59	13	PASS
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	50@0	4.17	13	PASS
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	1@0	3.54	13	PASS
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	4.51	13	PASS
12	15	10	147500	707.5	DFT-s-OFDM QPSK	1@0	3.63	13	PASS
12	15	10	148200	711.0	DFT-s-OFDM PI/2 BPSK	50@0	3.85	13	PASS
12	15	10	148200	711.0	DFT-s-OFDM PI/2 BPSK	1@0	3.65	13	PASS
12	15	10	148200	711.0	DFT-s-OFDM QPSK	50@0	4.46	13	PASS
12	15	10	148200	711.0	DFT-s-OFDM QPSK	1@0	3.54	13	PASS

B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH





B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

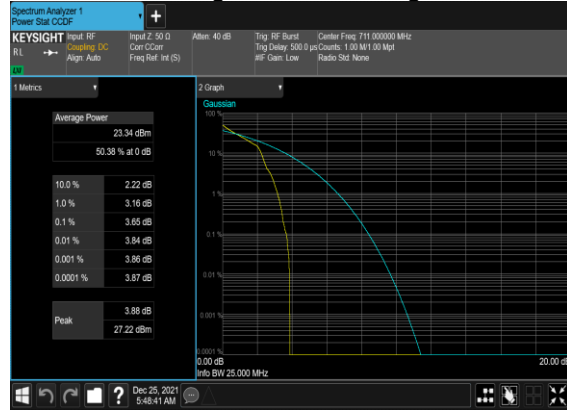




B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



B2_N12(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B2_N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH





Occupied Bandwidth

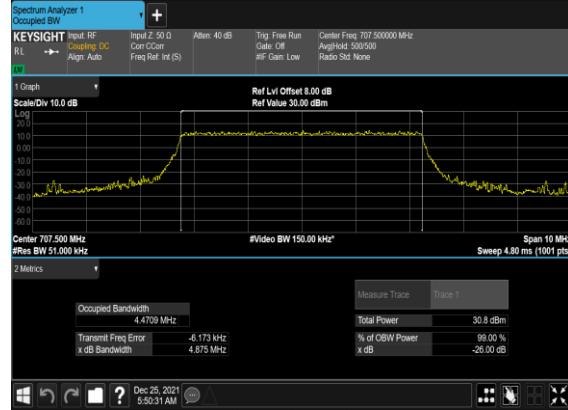
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
12	15	5	147500	707.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4754	4.851
12	15	5	147500	707.5	DFT-s-OFDM QPSK	25@0	4.4709	4.875
12	15	5	147500	707.5	CP-OFDM QPSK	25@0	4.4668	4.897
12	15	5	147500	707.5	CP-OFDM 16 QAM	25@0	4.4677	4.924
12	15	5	147500	707.5	CP-OFDM 64 QAM	25@0	4.4795	4.924
12	15	5	147500	707.5	CP-OFDM 256 QAM	25@0	4.4711	4.879
12	15	10	147500	707.5	DFT-s-OFDM PI/2 BPSK	50@0	8.9046	9.584
12	15	10	147500	707.5	DFT-s-OFDM QPSK	50@0	8.9188	9.684
12	15	10	147500	707.5	CP-OFDM QPSK	52@0	9.2735	9.974
12	15	10	147500	707.5	CP-OFDM 16 QAM	52@0	9.2747	9.949
12	15	10	147500	707.5	CP-OFDM 64 QAM	52@0	9.2755	9.908
12	15	10	147500	707.5	CP-OFDM 256 QAM	52@0	9.2932	9.846
12	15	15	147500	707.5	DFT-s-OFDM PI/2 BPSK	75@0	13.365	14.12
12	15	15	147500	707.5	DFT-s-OFDM QPSK	75@0	13.384	14.12
12	15	15	147500	707.5	CP-OFDM QPSK	79@0	14.085	14.88
12	15	15	147500	707.5	CP-OFDM 16 QAM	79@0	14.1	14.85
12	15	15	147500	707.5	CP-OFDM 64 QAM	79@0	14.12	14.84
12	15	15	147500	707.5	CP-OFDM 256 QAM	79@0	14.092	14.9



B2_N12(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



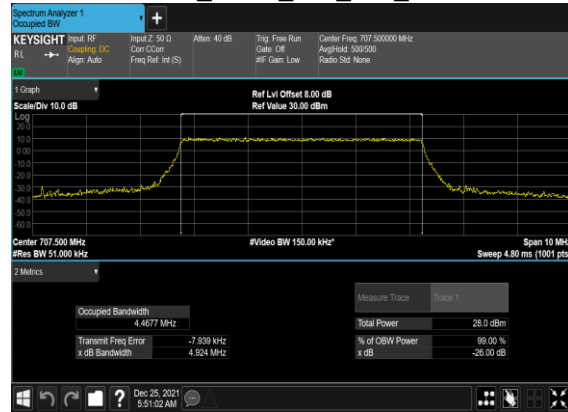
B2_N12(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N12(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

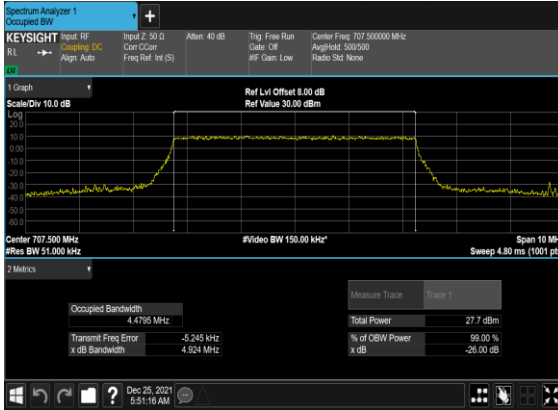


B2_N12(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

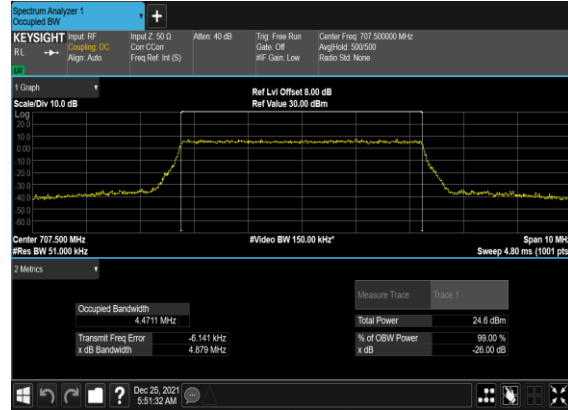




B2_N12(5M)_CP-OFDM_64
QAM_Outter_Full_Mid_CH



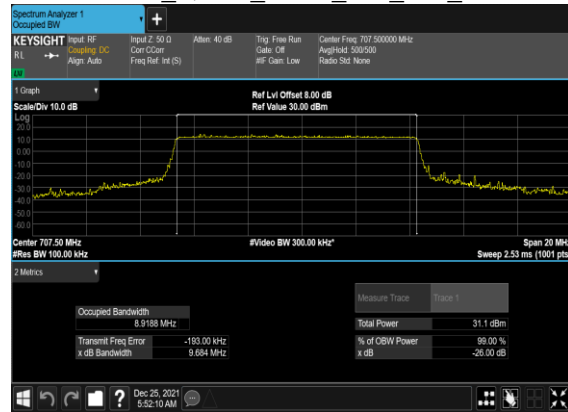
B2_N12(5M)_CP-OFDM_256
QAM_Outter_Full_Mid_CH



B2_N12(10M)_DFT-s-OFDM_PI_2-
BPSK_Outter_Full_Mid_CH

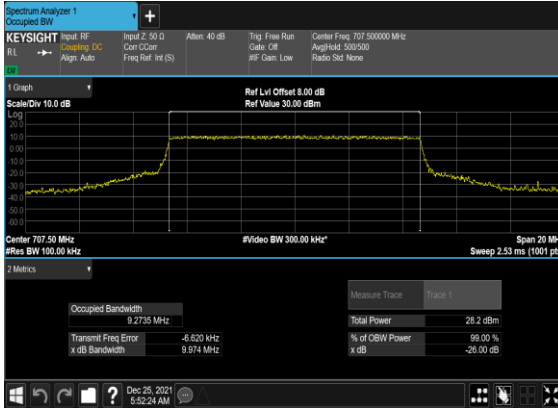


B2_N12(10M)_DFT-s-
OFDM_QPSK_Outter_Full_Mid_CH





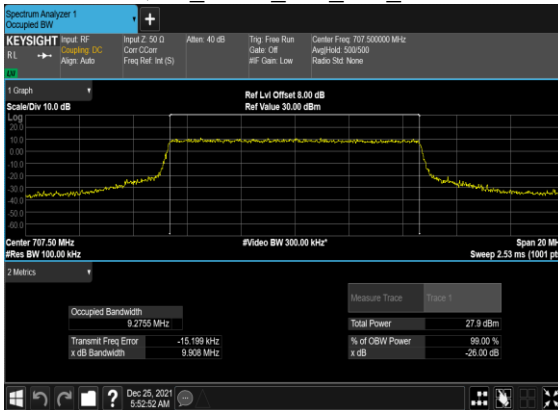
B2_N12(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



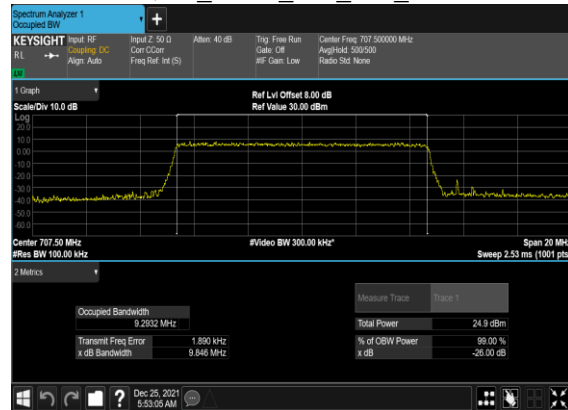
B2_N12(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



B2_N12(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

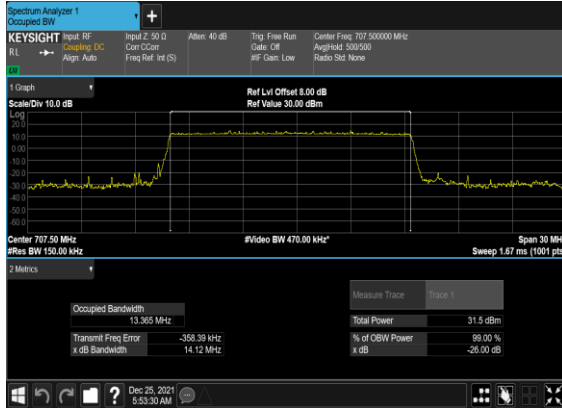


B2_N12(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

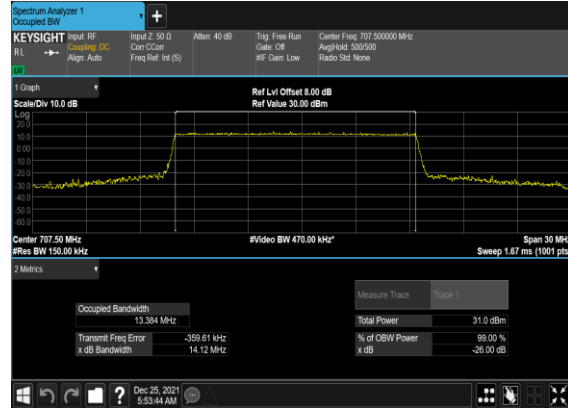




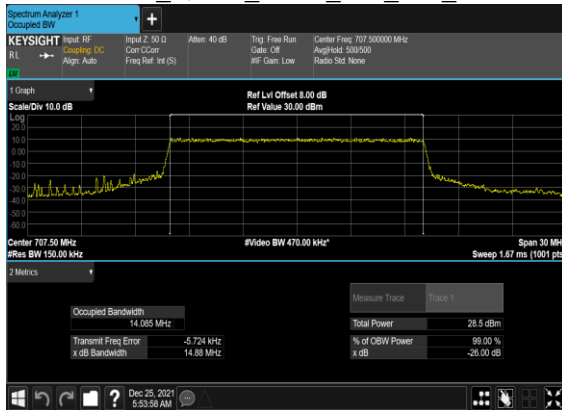
B2_N12(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B2_N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N12(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B2_N12(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

