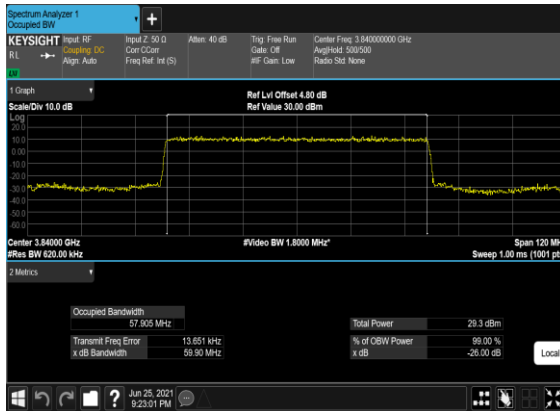
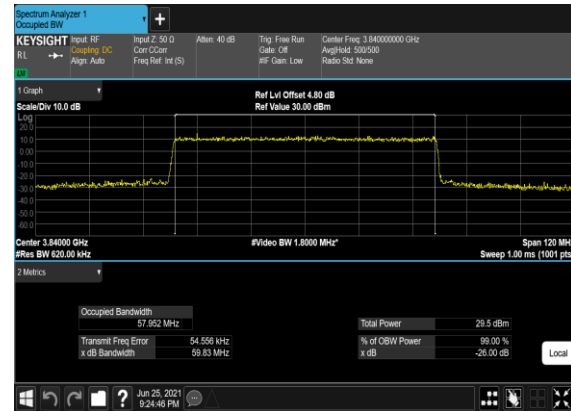


N77(60M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



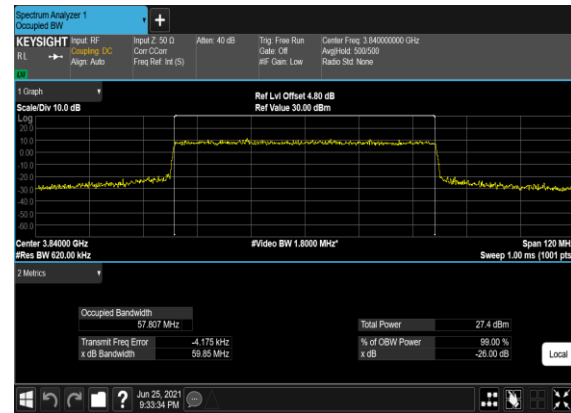
N77(60M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



N77(60M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



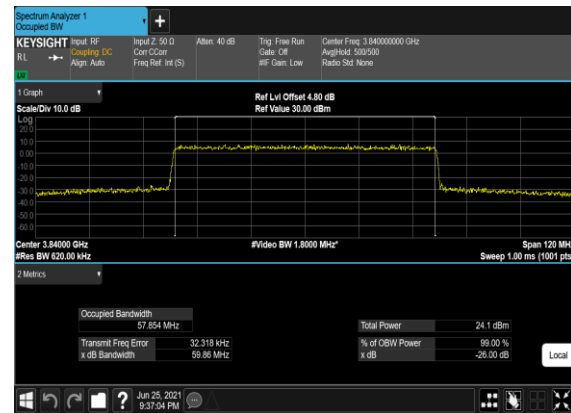
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



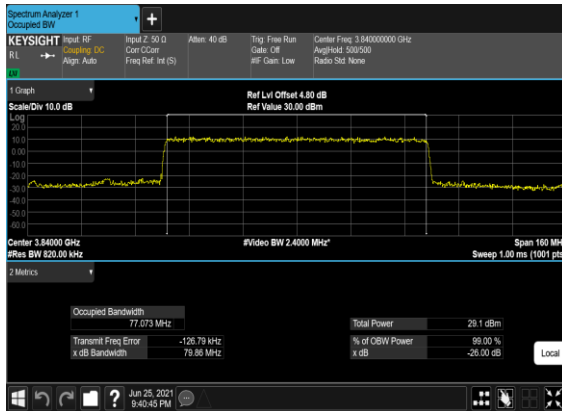
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



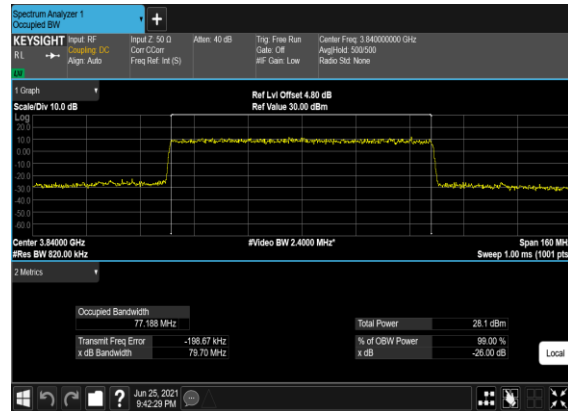
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



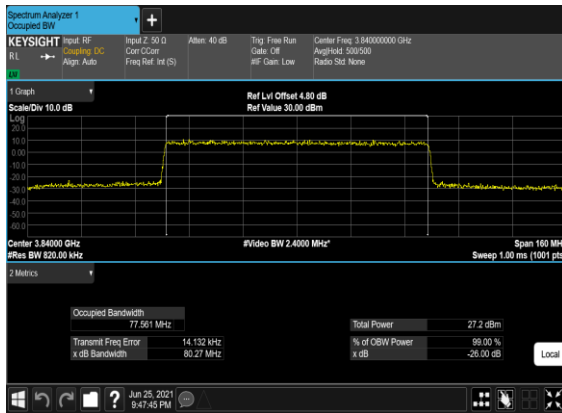
N77(80M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



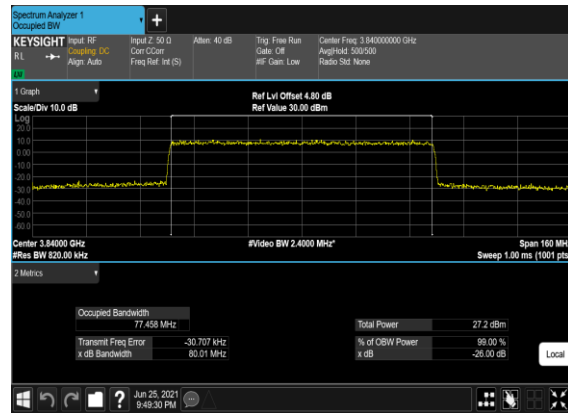
N77(80M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



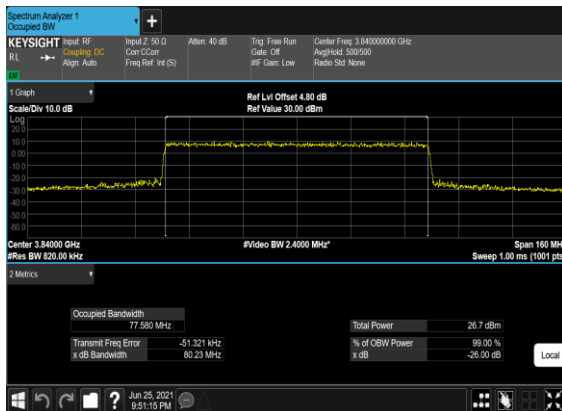
N77(80M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



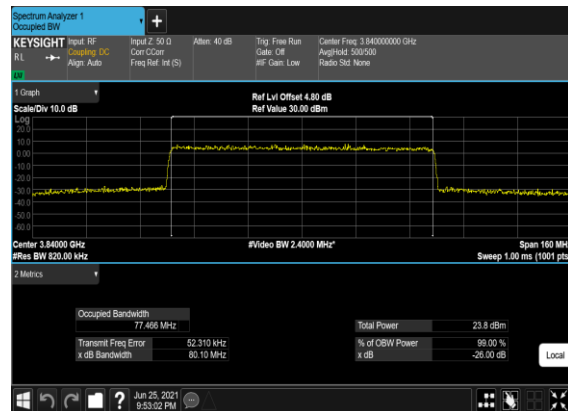
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



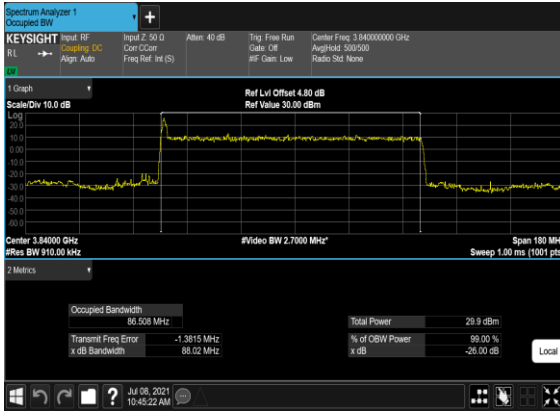
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



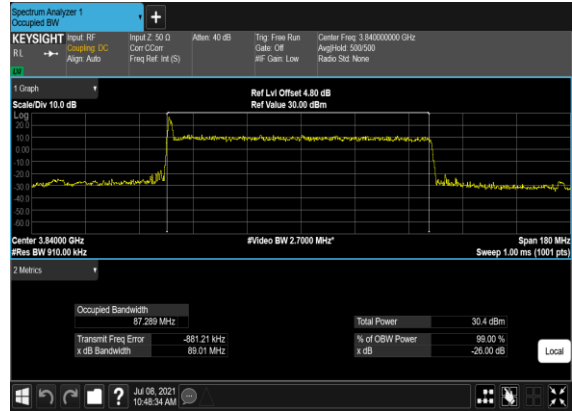
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



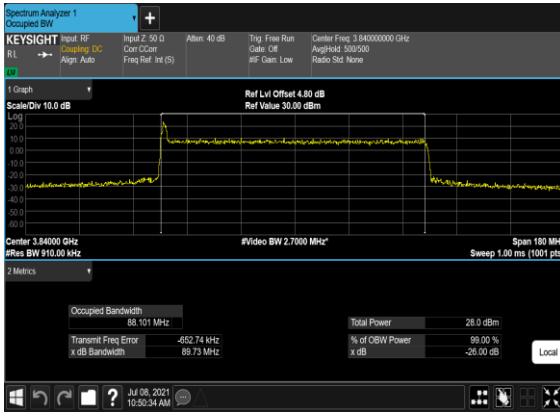
N77(90M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



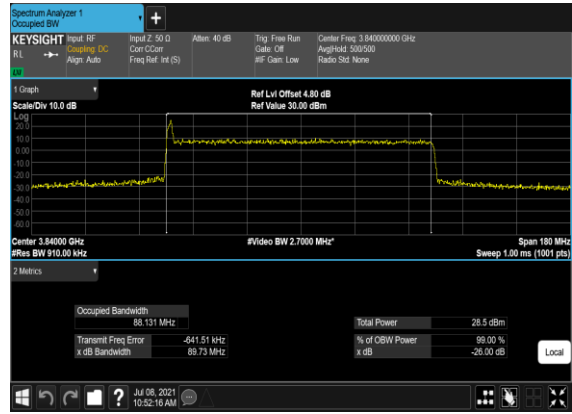
N77(90M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



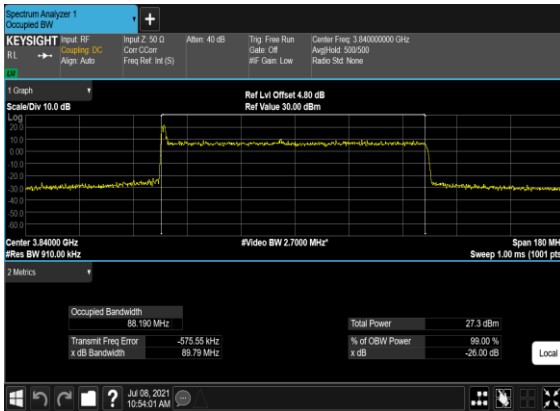
N77(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



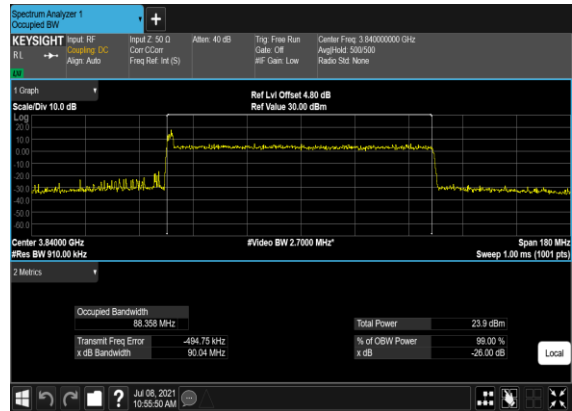
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



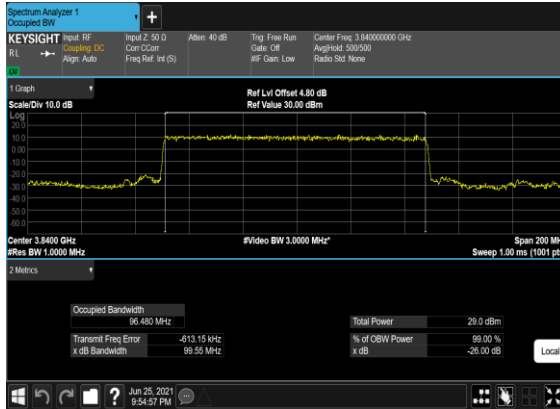
N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



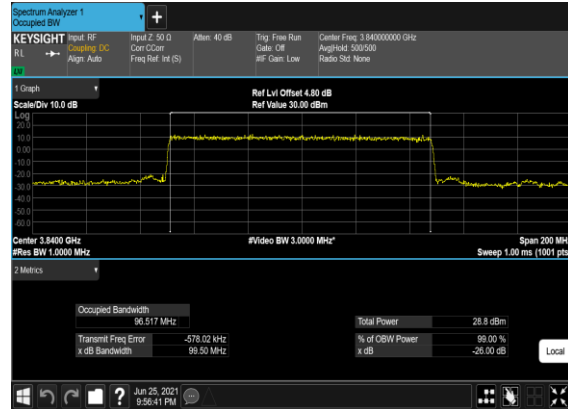
N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



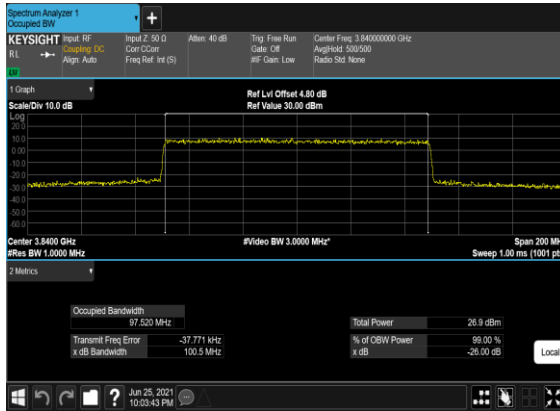
N77(100M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



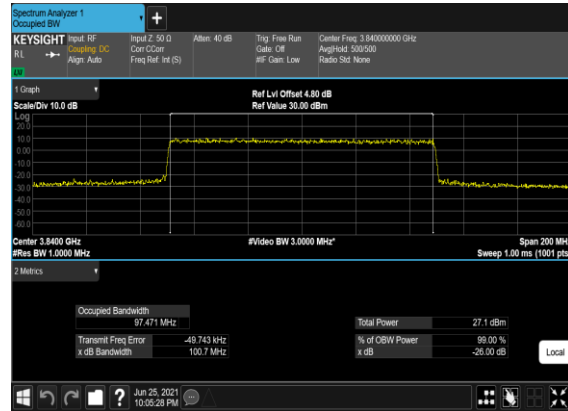
N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



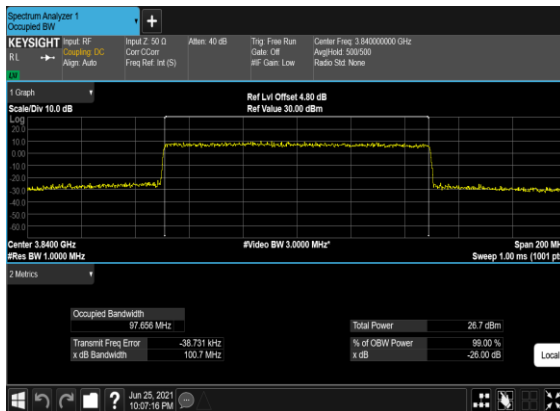
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



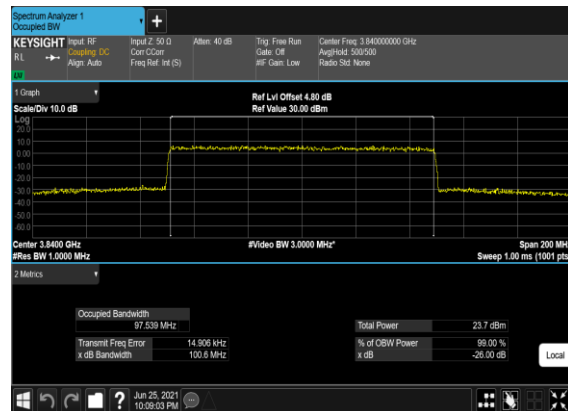
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



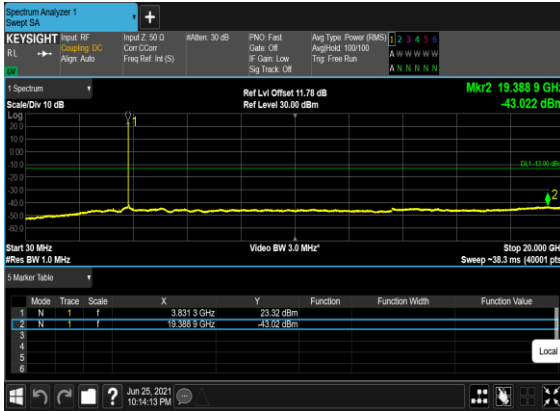
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	---

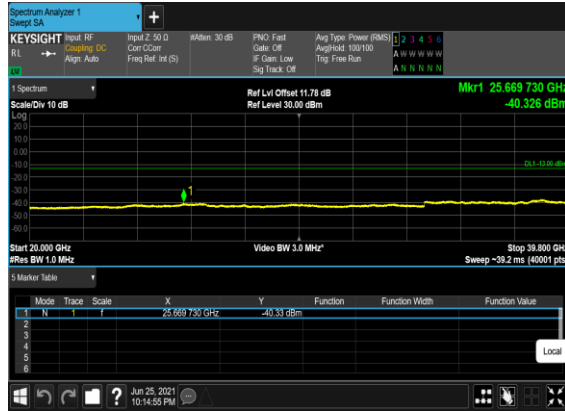
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



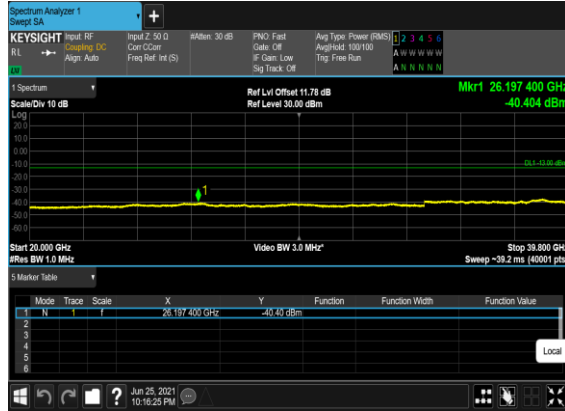
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



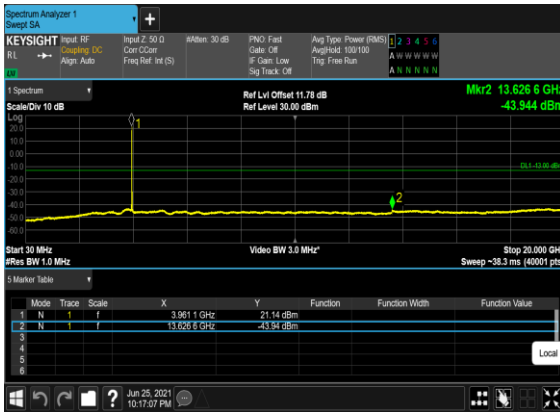
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



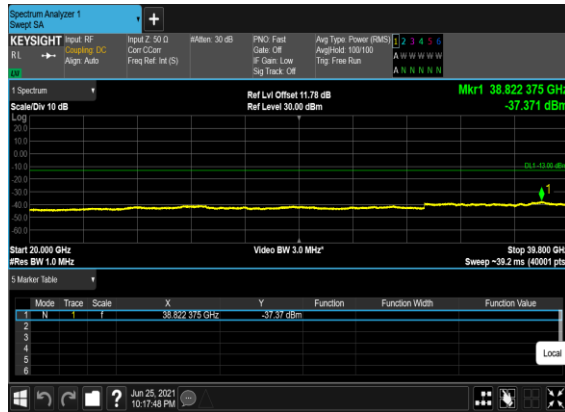
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



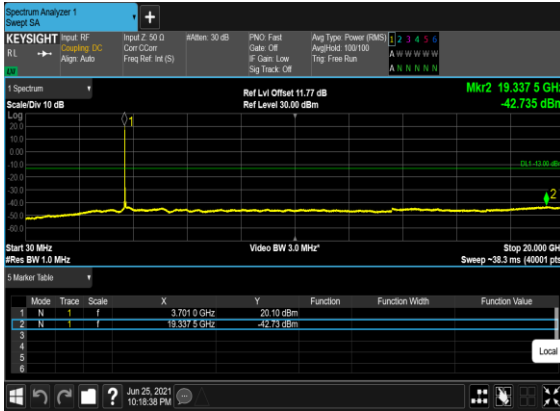
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



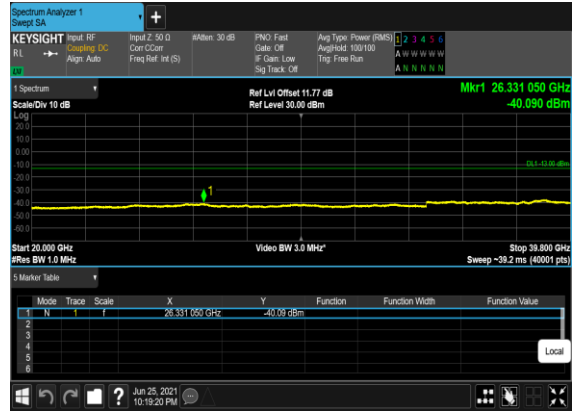
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



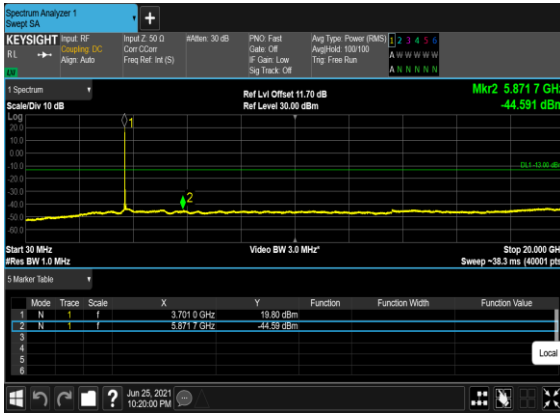
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



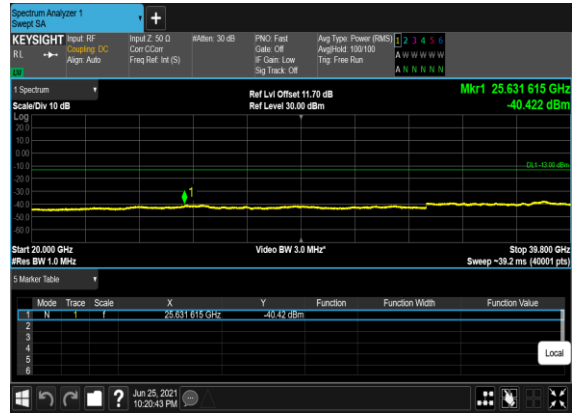
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



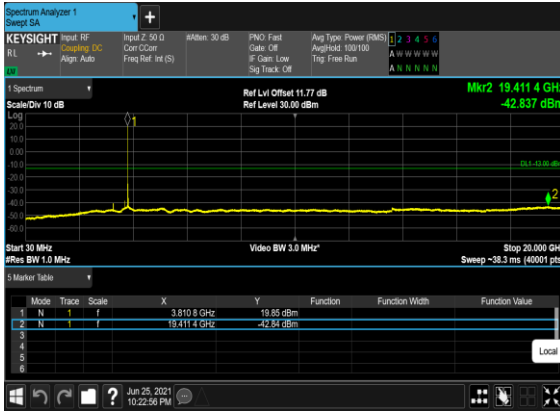
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



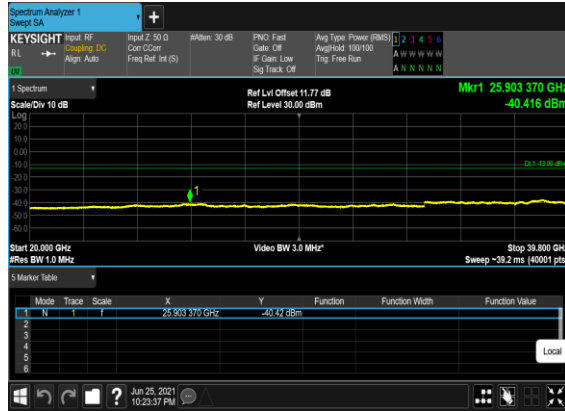
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



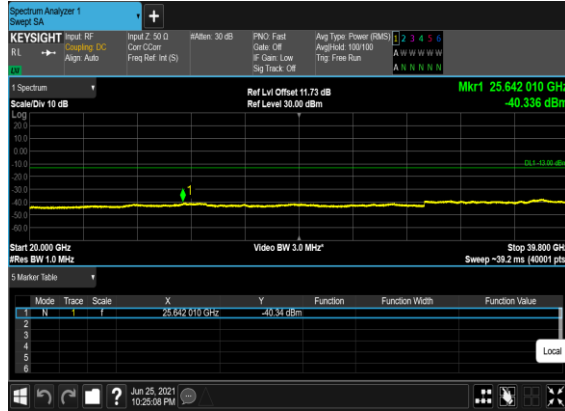
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



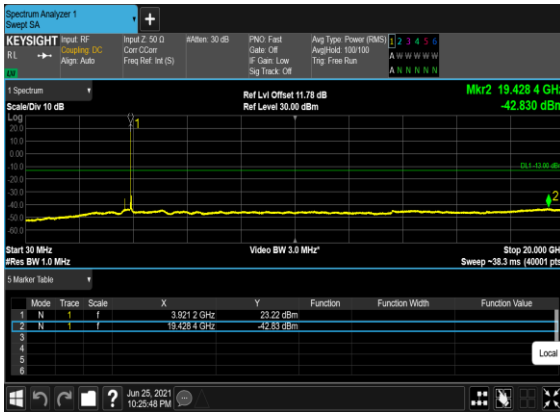
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



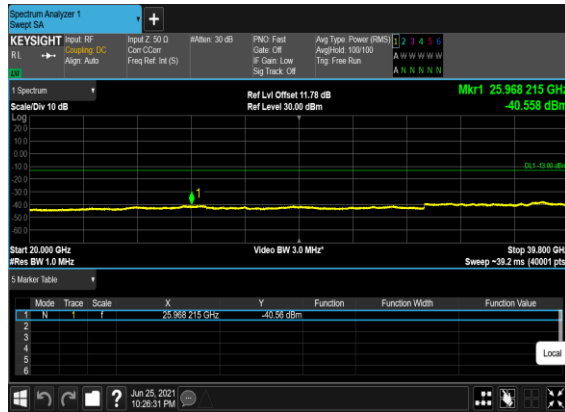
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



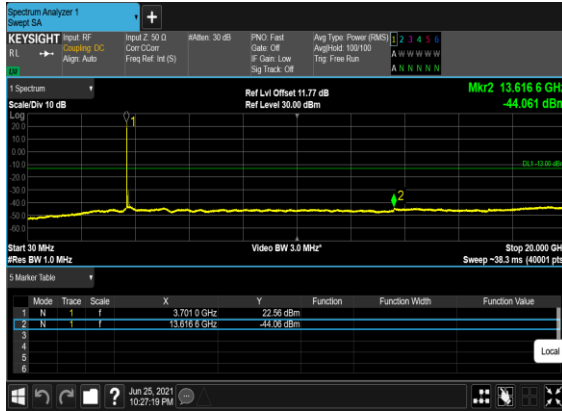
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



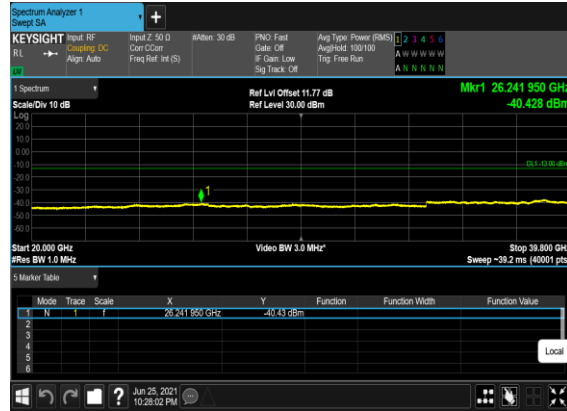
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



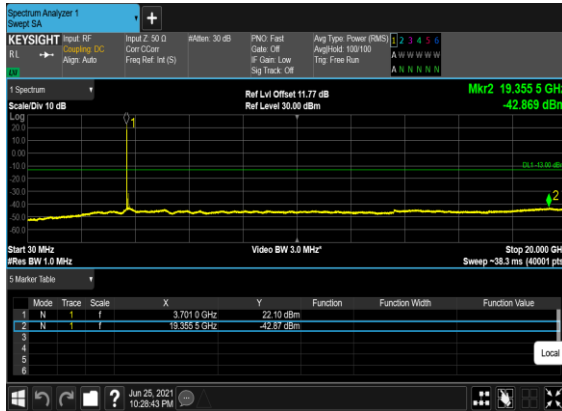
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



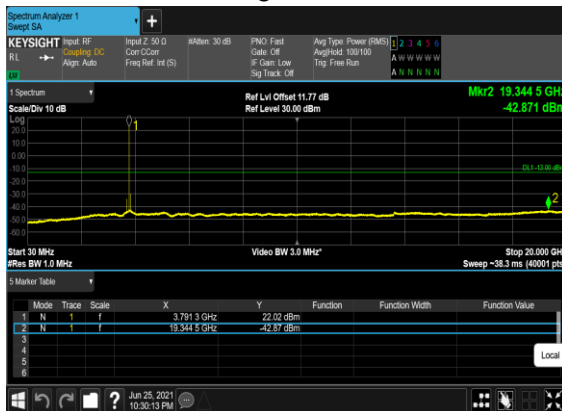
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



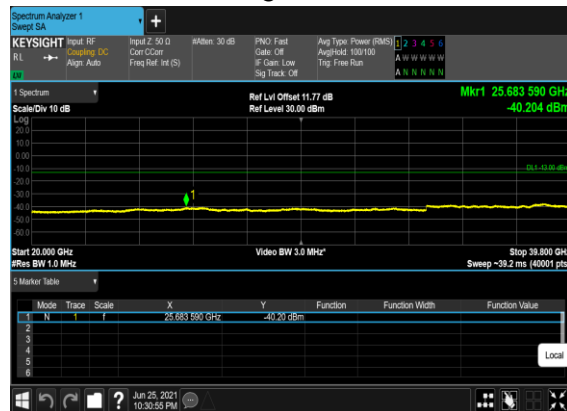
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



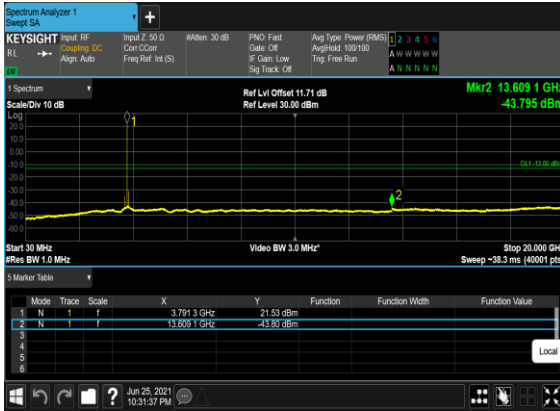
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



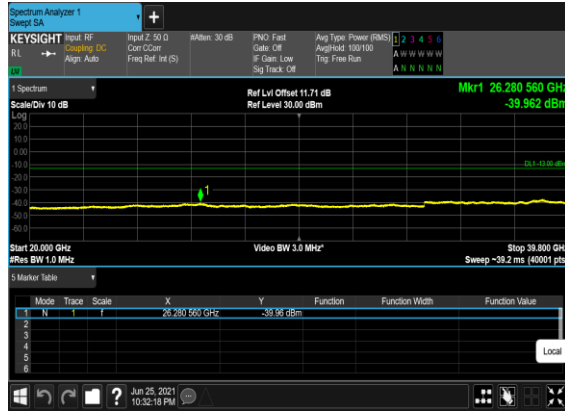
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



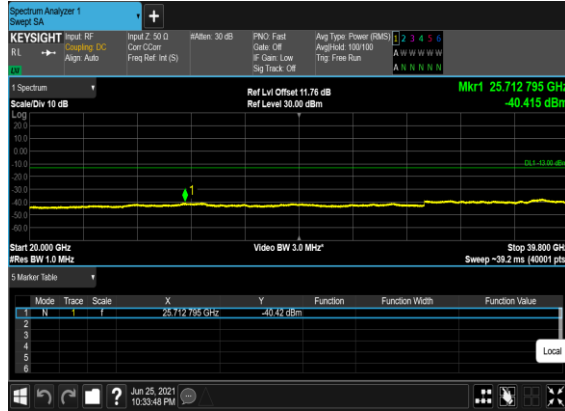
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



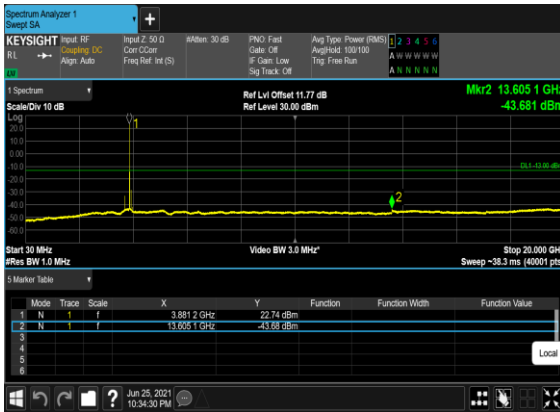
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



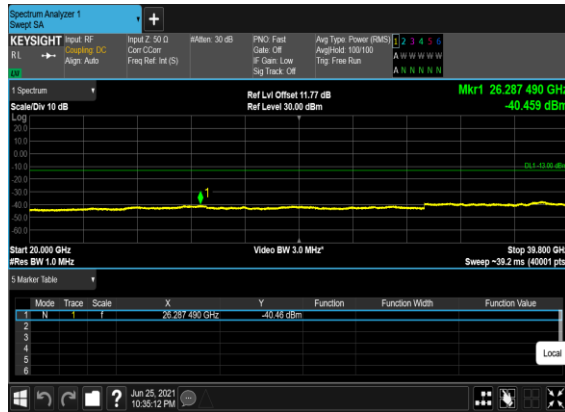
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

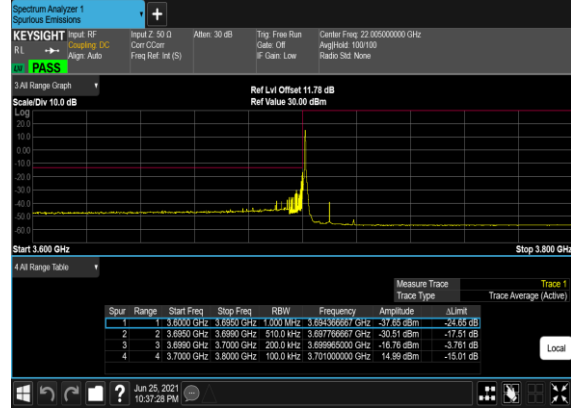
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS

77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

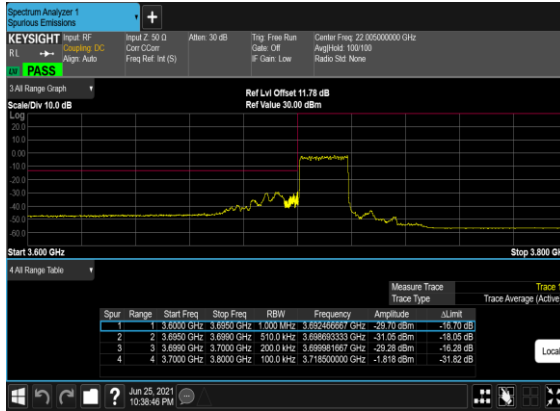
N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



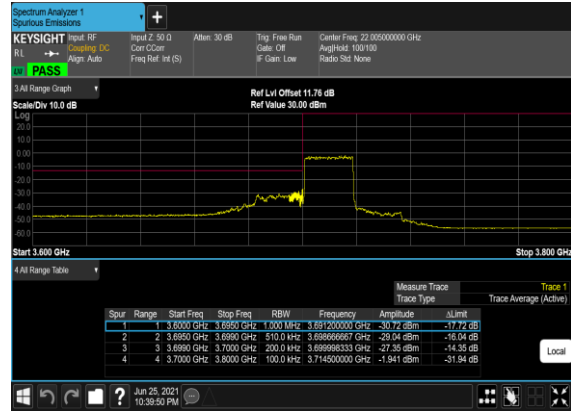
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



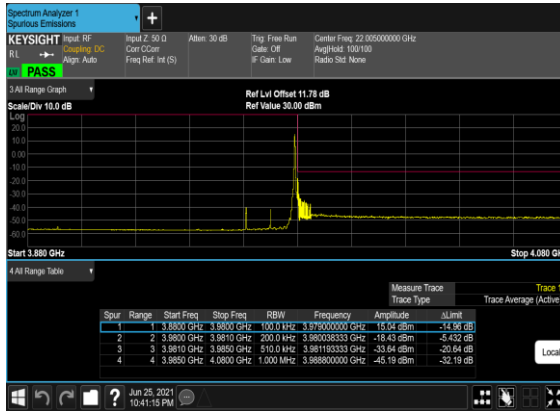
N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



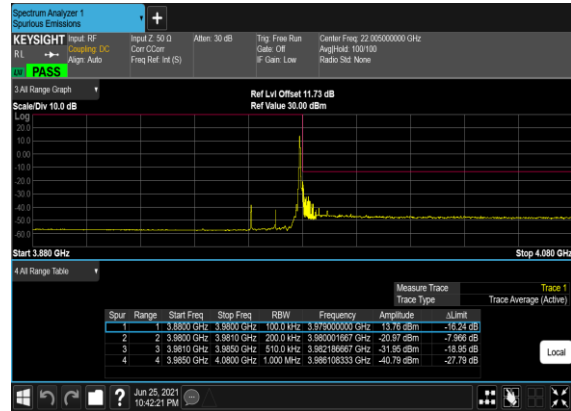
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



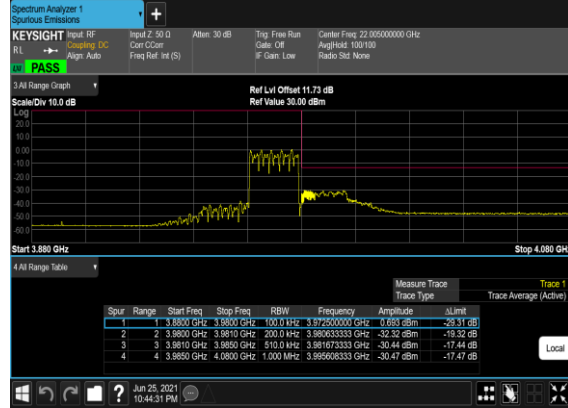
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



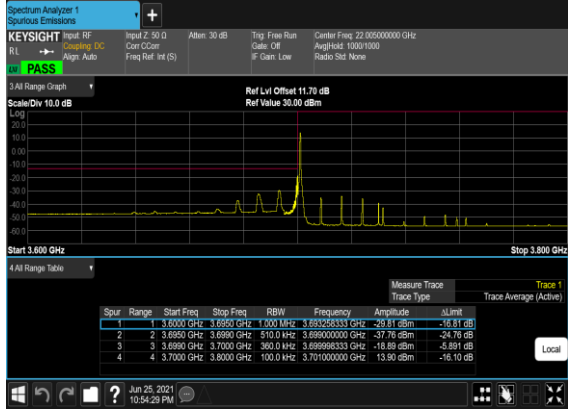
N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



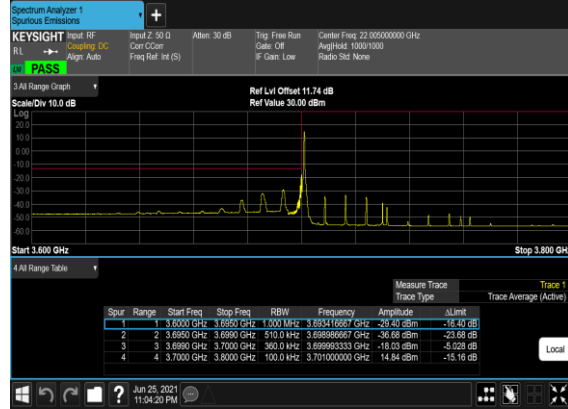
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



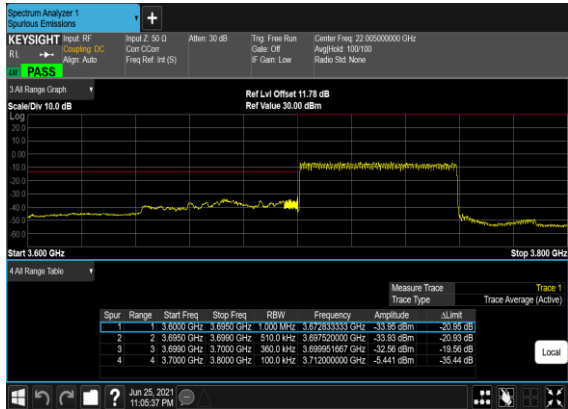
N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



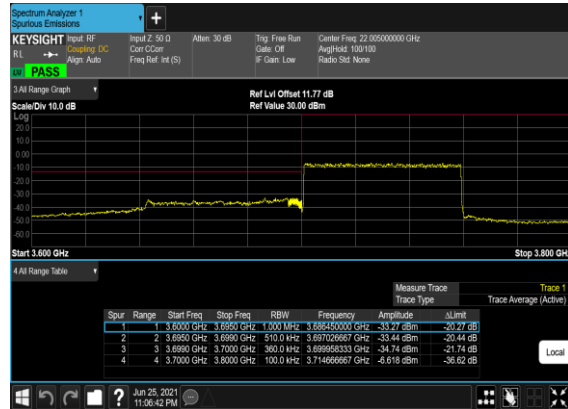
N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



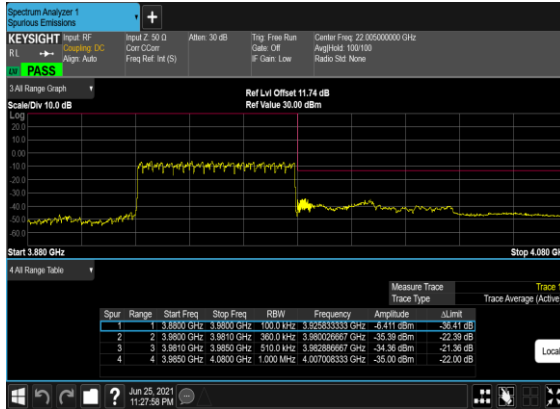
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



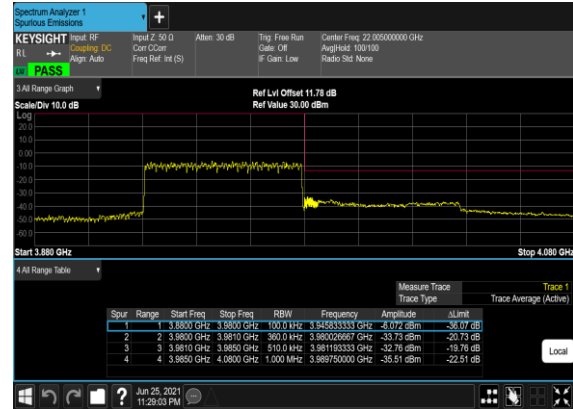
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



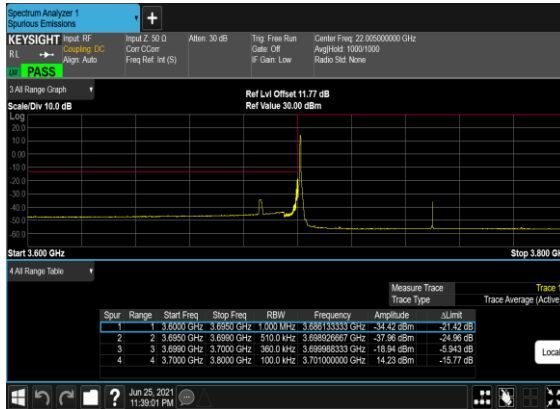
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



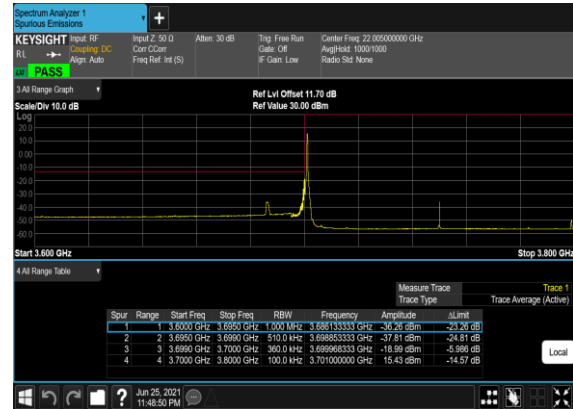
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



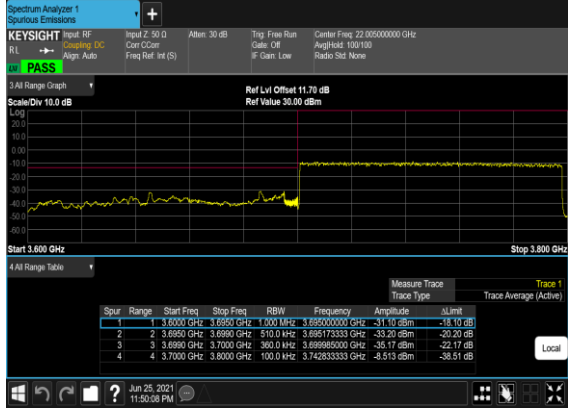
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



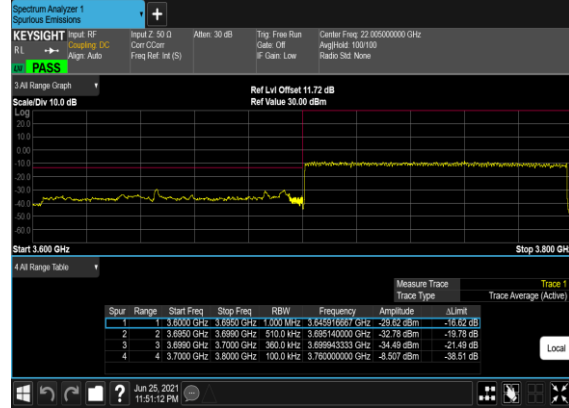
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



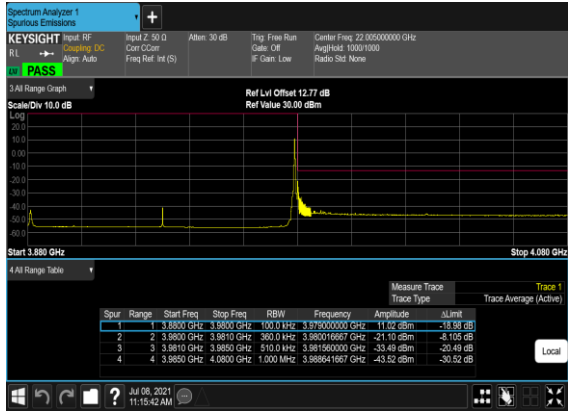
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



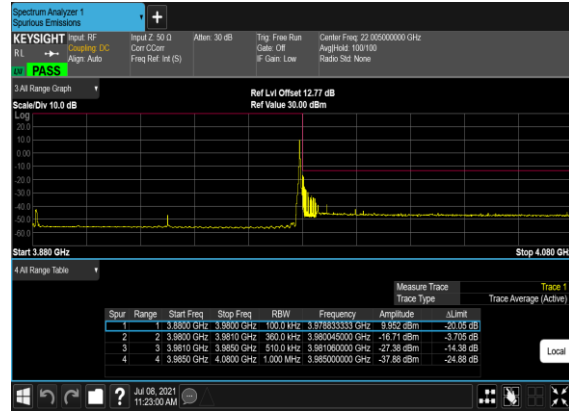
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



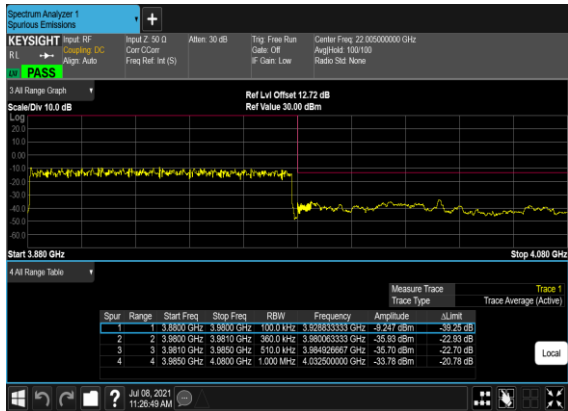
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N77

LTE Band: 2, LTE BW: 20M, LTE ARFCN: Mid

<Ant. 4>

Transmitter Conducted Output Power And EIRP, (GT - LC)=5.0dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	24.56	29.56	0.9036
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	24.37	29.37	0.8650
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	24.42	29.42	0.8750
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	24.48	29.48	0.8872
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.41	29.41	0.8730
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	24.55	29.55	0.9016
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	23.72	28.72	0.7447
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.63	28.63	0.7295
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	23.47	28.47	0.7031
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	22.41	27.41	0.5508
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	22.02	27.02	0.5035
77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	22.04	27.04	0.5058
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	20.17	25.17	0.3289
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	20.06	25.06	0.3206
77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	20.19	25.19	0.3304
77	30	20	647334	3710.01	CP-OFDM QPSK	25@121	21.6	26.6	0.4571
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	22.94	27.94	0.6223
77	30	20	647334	3710.01	CP-OFDM QPSK	1@49	23.04	28.04	0.6368
77	30	20	656000	3840	DFT-s-OFDM PI/2	25@12	24.36	29.36	0.8630

					BPSK					
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.36	29.36	0.8630	
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@49	24.52	29.52	0.8954	
77	30	20	656000	3840	DFT-s-OFDM QPSK	25@12	24.38	29.38	0.8670	
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	24.38	29.38	0.8670	
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@49	24.47	29.47	0.8851	
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	25@12	23.49	28.49	0.7063	
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.56	28.56	0.7178	
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@49	23.98	28.98	0.7907	
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	25@12	22.08	27.08	0.5105	
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@1	21.98	26.98	0.4989	
77	30	20	656000	3840	DFT-s-OFDM 64 QAM	1@49	21.97	26.97	0.4977	
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	25@12	20	25	0.3162	
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.03	25.03	0.3184	
77	30	20	656000	3840	DFT-s-OFDM 256 QAM	1@49	20.07	25.07	0.3214	
77	30	20	656000	3840	CP-OFDM QPSK	25@121	21.6	26.6	0.4571	
77	30	20	656000	3840	CP-OFDM QPSK	1@1	23	28	0.6310	
77	30	20	656000	3840	CP-OFDM QPSK	1@49	22.99	27.99	0.6295	
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	25@12	24.11	29.11	0.8147	
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	24.18	29.18	0.8279	
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@49	24.14	29.14	0.8204	
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	25@12	24.11	29.11	0.8147	
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	24.28	29.28	0.8472	
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@49	24.34	29.34	0.8590	
77	30	20	664666	3969.99	DFT-s-	25@12	23.24	28.24	0.6668	

						OFDM 16 QAM				
77	30	20	664666	3969.99	DFT-s- OFDM 16 QAM	1@1	23.33	28.33	0.6808	
77	30	20	664666	3969.99	DFT-s- OFDM 16 QAM	1@49	23.29	28.29	0.6745	
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	25@12	21.81	26.81	0.4797	
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	1@1	21.7	26.7	0.4677	
77	30	20	664666	3969.99	DFT-s- OFDM 64 QAM	1@49	21.84	26.84	0.4831	
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	25@12	19.78	24.78	0.3006	
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	1@1	19.75	24.75	0.2985	
77	30	20	664666	3969.99	DFT-s- OFDM 256 QAM	1@49	19.79	24.79	0.3013	
77	30	20	664666	3969.99	CP-OFDM QPSK	25@121	21.33	26.33	0.4295	
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	22.75	27.75	0.5957	
77	30	20	664666	3969.99	CP-OFDM QPSK	1@49	22.69	27.69	0.5875	
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	50@25	24.39	29.39	0.8690	
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	1@1	24.56	29.56	0.9036	
77	30	40	648000	3720	DFT-s- OFDM PI/2 BPSK	1@104	24.31	29.31	0.8531	
77	30	40	648000	3720	DFT-s- OFDM QPSK	50@25	24.26	29.26	0.8433	
77	30	40	648000	3720	DFT-s- OFDM QPSK	1@1	24.36	29.36	0.8630	
77	30	40	648000	3720	DFT-s- OFDM QPSK	1@104	24.52	29.52	0.8954	
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	50@25	23.5	28.5	0.7079	
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	1@1	23.54	28.54	0.7145	
77	30	40	648000	3720	DFT-s- OFDM 16 QAM	1@104	23.35	28.35	0.6839	
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	50@25	21.99	26.99	0.5000	
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	1@1	22.15	27.15	0.5188	
77	30	40	648000	3720	DFT-s- OFDM 64 QAM	1@104	22	27	0.5012	

77	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	19.98	24.98	0.3148
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	20.31	25.31	0.3396
77	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	19.91	24.91	0.3097
77	30	40	648000	3720	CP-OFDM QPSK	53@26	22.98	27.98	0.6281
77	30	40	648000	3720	CP-OFDM QPSK	1@1	23.15	28.15	0.6531
77	30	40	648000	3720	CP-OFDM QPSK	1@104	22.83	27.83	0.6067
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	50@25	24.63	29.63	0.9183
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.45	29.45	0.8810
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@104	24.69	29.69	0.9311
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	24.56	29.56	0.9036
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	24.5	29.5	0.8913
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	24.58	29.58	0.9078
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	23.77	28.77	0.7534
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.9	28.9	0.7762
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	23.74	28.74	0.7482
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	50@25	22.14	27.14	0.5176
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.23	27.23	0.5284
77	30	40	656000	3840	DFT-s-OFDM 64 QAM	1@104	22.38	27.38	0.5470
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	50@25	20.13	25.13	0.3258
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@1	19.91	24.91	0.3097
77	30	40	656000	3840	DFT-s-OFDM 256 QAM	1@104	20.78	25.78	0.3784
77	30	40	656000	3840	CP-OFDM QPSK	53@26	23.03	28.03	0.6353
77	30	40	656000	3840	CP-OFDM QPSK	1@1	23.07	28.07	0.6412
77	30	40	656000	3840	CP-OFDM QPSK	1@104	23.18	28.18	0.6577
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	50@25	24.44	29.44	0.8790

77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	24.62	29.62	0.9162
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@104	24.27	29.27	0.8453
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	24.42	29.42	0.8750
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	24.55	29.55	0.9016
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	24.41	29.41	0.8730
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	23.62	28.62	0.7278
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	23.69	28.69	0.7396
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	23.48	28.48	0.7047
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	50@25	22.12	27.12	0.5152
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@1	22.34	27.34	0.5420
77	30	40	664000	3960	DFT-s-OFDM 64 QAM	1@104	21.96	26.96	0.4966
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	50@25	20.01	25.01	0.3170
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@1	20.25	25.25	0.3350
77	30	40	664000	3960	DFT-s-OFDM 256 QAM	1@104	20.02	25.02	0.3177
77	30	40	664000	3960	CP-OFDM QPSK	53@26	23.09	28.09	0.6442
77	30	40	664000	3960	CP-OFDM QPSK	1@1	23.25	28.25	0.6683
77	30	40	664000	3960	CP-OFDM QPSK	1@104	22.91	27.91	0.6180
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	24.42	29.42	0.8750
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.16	29.16	0.8241
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	24.13	29.13	0.8185
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	24.5	29.5	0.8913
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.14	29.14	0.8204
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	24.12	29.12	0.8166
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	23.35	28.35	0.6839

77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.16	28.16	0.6546
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	22.92	27.92	0.6194
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	22.2	27.2	0.5248
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	21.89	26.89	0.4887
77	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	21.88	26.88	0.4875
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	20.07	25.07	0.3214
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	19.35	24.35	0.2723
77	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	19.37	24.37	0.2735
77	30	50	648334	3725.01	CP-OFDM QPSK	67@33	23.08	28.08	0.6427
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	23.05	28.05	0.6383
77	30	50	648334	3725.01	CP-OFDM QPSK	1@131	22.78	27.78	0.5998
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	64@32	24.16	29.16	0.8241
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.15	29.15	0.8222
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@131	24.31	29.31	0.8531
77	30	50	656000	3840	DFT-s-OFDM QPSK	64@32	24.28	29.28	0.8472
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	24.16	29.16	0.8241
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@131	24.34	29.34	0.8590
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	64@32	23.35	28.35	0.6839
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.29	28.29	0.6745
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@131	23.37	28.37	0.6871
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	64@32	21.93	26.93	0.4932
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@1	21.8	26.8	0.4786
77	30	50	656000	3840	DFT-s-OFDM 64 QAM	1@131	22.02	27.02	0.5035
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	64@32	19.92	24.92	0.3105

77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@1	19.5	24.5	0.2818
77	30	50	656000	3840	DFT-s-OFDM 256 QAM	1@131	20.02	25.02	0.3177
77	30	50	656000	3840	CP-OFDM QPSK	67@33	22.83	27.83	0.6067
77	30	50	656000	3840	CP-OFDM QPSK	1@1	22.94	27.94	0.6223
77	30	50	656000	3840	CP-OFDM QPSK	1@131	22.91	27.91	0.6180
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	64@32	24.23	29.23	0.8375
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	24.52	29.52	0.8954
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@131	23.94	28.94	0.7834
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	64@32	24.24	29.24	0.8395
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	24.49	29.49	0.8892
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@131	23.93	28.93	0.7816
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	64@32	23.31	28.31	0.6776
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	23.66	28.66	0.7345
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@131	23	28	0.6310
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	64@32	21.89	26.89	0.4887
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@1	22.4	27.4	0.5495
77	30	50	663666	3954.99	DFT-s-OFDM 64 QAM	1@131	21.6	26.6	0.4571
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	64@32	19.98	24.98	0.3148
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@1	19.69	24.69	0.2944
77	30	50	663666	3954.99	DFT-s-OFDM 256 QAM	1@131	19.12	24.12	0.2582
77	30	50	663666	3954.99	CP-OFDM QPSK	67@33	22.77	27.77	0.5984
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	23.43	28.43	0.6966
77	30	50	663666	3954.99	CP-OFDM QPSK	1@131	22.5	27.5	0.5623
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	24.4	29.4	0.8710
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	24.31	29.31	0.8531

77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	24.28	29.28	0.8472
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	24.39	29.39	0.8690
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.29	29.29	0.8492
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	24.22	29.22	0.8356
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	23.47	28.47	0.7031
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.79	28.79	0.7568
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	23.45	28.45	0.6998
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	21.99	26.99	0.5000
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	21.9	26.9	0.4898
77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	21.89	26.89	0.4887
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	20.07	25.07	0.3214
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	19.79	24.79	0.3013
77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	19.92	24.92	0.3105
77	30	60	648668	3730.02	CP-OFDM QPSK	81@40	23.07	28.07	0.6412
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	22.87	27.87	0.6124
77	30	60	648668	3730.02	CP-OFDM QPSK	1@160	23.12	28.12	0.6486
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	81@40	24.47	29.47	0.8851
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.32	29.32	0.8551
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@160	24.45	29.45	0.8810
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	24.39	29.39	0.8690
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	24.43	29.43	0.8770
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	24.72	29.72	0.9376
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	23.71	28.71	0.7430
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.64	28.64	0.7311

77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	23.86	28.86	0.7691
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	81@40	22.22	27.22	0.5272
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.01	27.01	0.5023
77	30	60	656000	3840	DFT-s-OFDM 64 QAM	1@160	22.17	27.17	0.5212
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	81@40	20.55	25.55	0.3589
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.31	25.31	0.3396
77	30	60	656000	3840	DFT-s-OFDM 256 QAM	1@160	20.19	25.19	0.3304
77	30	60	656000	3840	CP-OFDM QPSK	81@40	23.06	28.06	0.6397
77	30	60	656000	3840	CP-OFDM QPSK	1@1	22.98	27.98	0.6281
77	30	60	656000	3840	CP-OFDM QPSK	1@160	23.14	28.14	0.6516
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	81@40	24.05	29.05	0.8035
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	24.42	29.42	0.8750
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@160	23.56	28.56	0.7178
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	24	29	0.7943
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	24.28	29.28	0.8472
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	23.53	28.53	0.7129
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	23.13	28.13	0.6501
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	23.46	28.46	0.7015
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	22.93	27.93	0.6209
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	81@40	21.66	26.66	0.4634
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@1	21.95	26.95	0.4955
77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	1@160	21.29	26.29	0.4256
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	81@40	19.63	24.63	0.2904
77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@1	19.44	24.44	0.2780

77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	1@160	19.19	24.19	0.2624
77	30	60	663332	3949.98	CP-OFDM QPSK	81@40	22.59	27.59	0.5741
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	22.95	27.95	0.6237
77	30	60	663332	3949.98	CP-OFDM QPSK	1@160	22.26	27.26	0.5321
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	24.46	29.46	0.8831
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.4	29.4	0.8710
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	24.48	29.48	0.8872
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	24.39	29.39	0.8690
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.34	29.34	0.8590
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	24.52	29.52	0.8954
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	23.39	28.39	0.6902
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.44	28.44	0.6982
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	23.83	28.83	0.7638
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	22.08	27.08	0.5105
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	21.98	26.98	0.4989
77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	22.18	27.18	0.5224
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	19.98	24.98	0.3148
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	19.85	24.85	0.3055
77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	20.06	25.06	0.3206
77	30	80	649334	3740.01	CP-OFDM QPSK	109@54	23	28	0.6310
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	23.13	28.13	0.6501
77	30	80	649334	3740.01	CP-OFDM QPSK	1@215	23.1	28.1	0.6457
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	108@54	24.51	29.51	0.8933
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.59	29.59	0.9099
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@215	24.54	29.54	0.8995

77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	24.54	29.54	0.8995
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	24.56	29.56	0.9036
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	24.5	29.5	0.8913
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	23.58	28.58	0.7211
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.81	28.81	0.7603
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	23.8	28.8	0.7586
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	108@54	22.21	27.21	0.5260
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.08	27.08	0.5105
77	30	80	656000	3840	DFT-s-OFDM 64 QAM	1@215	22.14	27.14	0.5176
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	108@54	20.58	25.58	0.3614
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.32	25.32	0.3404
77	30	80	656000	3840	DFT-s-OFDM 256 QAM	1@215	20.61	25.61	0.3639
77	30	80	656000	3840	CP-OFDM QPSK	109@54	23.11	28.11	0.6471
77	30	80	656000	3840	CP-OFDM QPSK	1@1	23.04	28.04	0.6368
77	30	80	656000	3840	CP-OFDM QPSK	1@215	23.24	28.24	0.6668
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	108@54	24.25	29.25	0.8414
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	24.5	29.5	0.8913
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@215	23.55	28.55	0.7161
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	24.19	29.19	0.8299
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	24.54	29.54	0.8995
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	23.5	28.5	0.7079
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	22.26	27.26	0.5321
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	23.72	28.72	0.7447
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	22.74	27.74	0.5943

77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	108@54	21.8	26.8	0.4786
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@1	22.16	27.16	0.5200
77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	1@215	21.19	26.19	0.4159
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	108@54	19.78	24.78	0.3006
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@1	19.75	24.75	0.2985
77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	1@215	19.27	24.27	0.2673
77	30	80	662666	3939.99	CP-OFDM QPSK	109@54	22.72	27.72	0.5916
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	23	28	0.6310
77	30	80	662666	3939.99	CP-OFDM QPSK	1@215	22.12	27.12	0.5152
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	24.19	29.19	0.8299
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.23	29.23	0.8375
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	24.48	29.48	0.8872
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	24.26	29.26	0.8433
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.23	29.23	0.8375
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	24.43	29.43	0.8770
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	23.46	28.46	0.7015
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.33	28.33	0.6808
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	23.54	28.54	0.7145
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	21.99	26.99	0.5000
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	22.12	27.12	0.5152
77	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	22.63	27.63	0.5794
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	19.94	24.94	0.3119
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	19.58	24.58	0.2871
77	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	19.8	24.8	0.3020

77	30	90	649668	3745.02	CP-OFDM QPSK	123@61	22.92	27.92	0.6194
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	23.07	28.07	0.6412
77	30	90	649668	3745.02	CP-OFDM QPSK	1@243	23.32	28.32	0.6792
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	120@60	24.33	29.33	0.8570
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	1@1	24.28	29.28	0.8472
77	30	90	656000	3840	DFT-s- OFDM PI/2 BPSK	1@243	24.42	29.42	0.8750
77	30	90	656000	3840	DFT-s- OFDM QPSK	120@60	24.41	29.41	0.8730
77	30	90	656000	3840	DFT-s- OFDM QPSK	1@1	24.29	29.29	0.8492
77	30	90	656000	3840	DFT-s- OFDM QPSK	1@243	24.37	29.37	0.8650
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	120@60	23.56	28.56	0.7178
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	1@1	23.36	28.36	0.6855
77	30	90	656000	3840	DFT-s- OFDM 16 QAM	1@243	23.42	28.42	0.6950
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	120@60	22.13	27.13	0.5164
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	1@1	22.21	27.21	0.5260
77	30	90	656000	3840	DFT-s- OFDM 64 QAM	1@243	22.22	27.22	0.5272
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	120@60	20.03	25.03	0.3184
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	1@1	19.77	24.77	0.2999
77	30	90	656000	3840	DFT-s- OFDM 256 QAM	1@243	19.8	24.8	0.3020
77	30	90	656000	3840	CP-OFDM QPSK	123@61	23.05	28.05	0.6383
77	30	90	656000	3840	CP-OFDM QPSK	1@1	23.17	28.17	0.6561
77	30	90	656000	3840	CP-OFDM QPSK	1@243	23.18	28.18	0.6577
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	120@60	24.19	29.19	0.8299
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	1@1	24.5	29.5	0.8913
77	30	90	662332	3934.98	DFT-s- OFDM PI/2 BPSK	1@243	23.43	28.43	0.6966
77	30	90	662332	3934.98	DFT-s- OFDM QPSK	120@60	24.13	29.13	0.8185

77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	24.43	29.43	0.8770
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@243	23.15	28.15	0.6531
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	120@60	23.31	28.31	0.6776
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	23.49	28.49	0.7063
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@243	22.53	27.53	0.5662
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	120@60	21.86	26.86	0.4853
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@1	22.64	27.64	0.5808
77	30	90	662332	3934.98	DFT-s-OFDM 64 QAM	1@243	21.06	26.06	0.4036
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	120@60	20.23	25.23	0.3334
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@1	19.72	24.72	0.2965
77	30	90	662332	3934.98	DFT-s-OFDM 256 QAM	1@243	18.65	23.65	0.2317
77	30	90	662332	3934.98	CP-OFDM QPSK	123@61	22.77	27.77	0.5984
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	23.3	28.3	0.6761
77	30	90	662332	3934.98	CP-OFDM QPSK	1@243	22.33	27.33	0.5408
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	24.48	29.48	0.8872
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.21	29.21	0.8337
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.59	29.59	0.9099
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	24.36	29.36	0.8630
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.3	29.3	0.8511
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.69	29.69	0.9311
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.51	28.51	0.7096
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.52	28.52	0.7112
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.99	28.99	0.7925
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.06	27.06	0.5082

77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	21.83	26.83	0.4819
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.28	27.28	0.5346
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.07	25.07	0.3214
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.74	24.74	0.2979
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.29	25.29	0.3381
77	30	100	650000	3750	CP-OFDM QPSK	137@68	22.9	27.9	0.6166
77	30	100	650000	3750	CP-OFDM QPSK	1@1	23.06	28.06	0.6397
77	30	100	650000	3750	CP-OFDM QPSK	1@271	23.44	28.44	0.6982
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	24.57	29.57	0.9057
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.54	29.54	0.8995
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	24.58	29.58	0.9078
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	24.5	29.5	0.8913
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	24.57	29.57	0.9057
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	24.68	29.68	0.9290
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	23.74	28.74	0.7482
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.45	28.45	0.6998
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	23.75	28.75	0.7499
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	22.26	27.26	0.5321
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.04	27.04	0.5058
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	22.24	27.24	0.5297
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.18	25.18	0.3296
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.45	25.45	0.3508
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.32	25.32	0.3404
77	30	100	656000	3840	CP-OFDM QPSK	137@68	23.11	28.11	0.6471

77	30	100	656000	3840	CP-OFDM QPSK	1@1	23.07	28.07	0.6412
77	30	100	656000	3840	CP-OFDM QPSK	1@271	23.23	28.23	0.6653
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	135@67	24.35	29.35	0.8610
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	1@1	24.72	29.72	0.9376
77	30	100	662000	3930	DFT-s- OFDM PI/2 BPSK	1@271	23.76	28.76	0.7516
77	30	100	662000	3930	DFT-s- OFDM QPSK	135@67	24.31	29.31	0.8531
77	30	100	662000	3930	DFT-s- OFDM QPSK	1@1	24.63	29.63	0.9183
77	30	100	662000	3930	DFT-s- OFDM QPSK	1@271	23.62	28.62	0.7278
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	135@67	23.58	28.58	0.7211
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	1@1	23.86	28.86	0.7691
77	30	100	662000	3930	DFT-s- OFDM 16 QAM	1@271	22.85	27.85	0.6095
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	135@67	21.98	26.98	0.4989
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	1@1	22.34	27.34	0.5420
77	30	100	662000	3930	DFT-s- OFDM 64 QAM	1@271	20.89	25.89	0.3882
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	135@67	20.03	25.03	0.3184
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	1@1	20.33	25.33	0.3412
77	30	100	662000	3930	DFT-s- OFDM 256 QAM	1@271	18.75	23.75	0.2371
77	30	100	662000	3930	CP-OFDM QPSK	137@68	22.89	27.89	0.6152
77	30	100	662000	3930	CP-OFDM QPSK	1@1	23.39	28.39	0.6902
77	30	100	662000	3930	CP-OFDM QPSK	1@271	22.36	27.36	0.5445

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.00451	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00414	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00805	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00376	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00709	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.0073	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00694	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00485	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00667	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00835	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00694	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	-0.00261	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	7.07	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	6.96	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	8.03	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	7.19	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	6.83	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	6.78	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	7.66	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	7.8	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	6.83	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	6.68	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	7.7	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	7.34	13	PASS

B2_N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



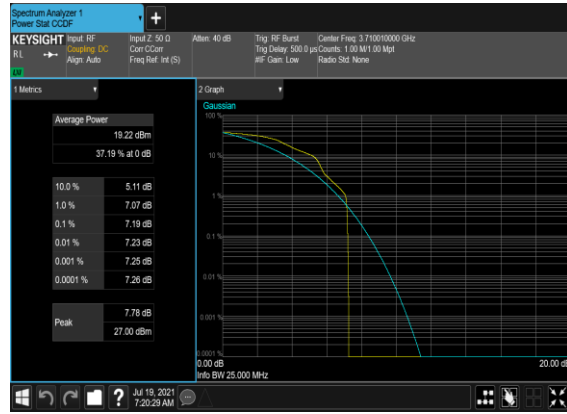
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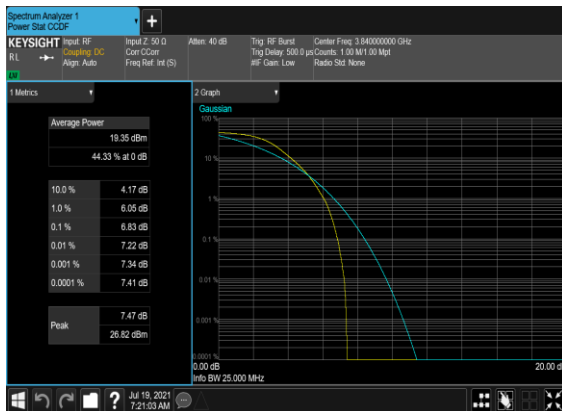
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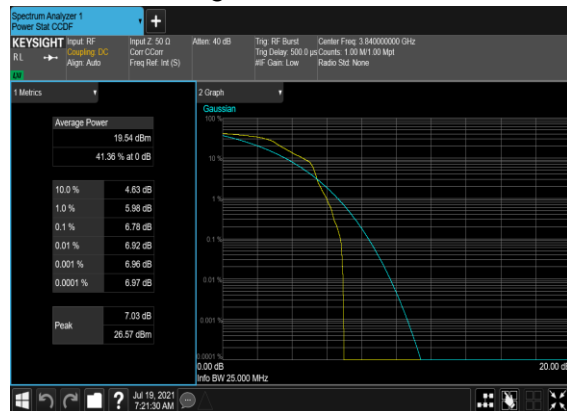
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B2_N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



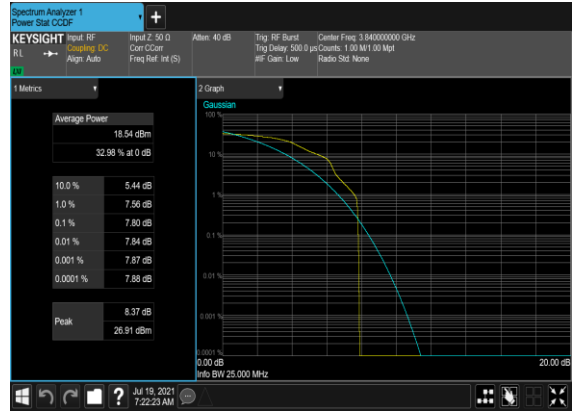
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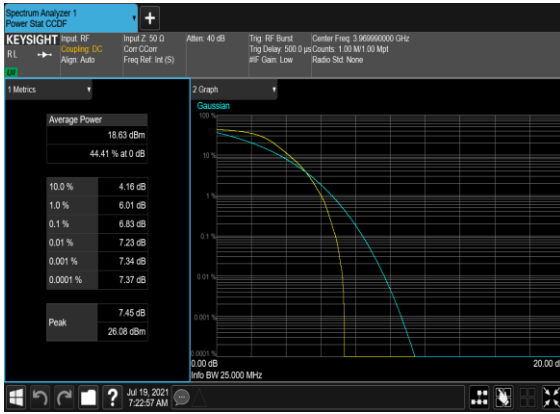
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B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



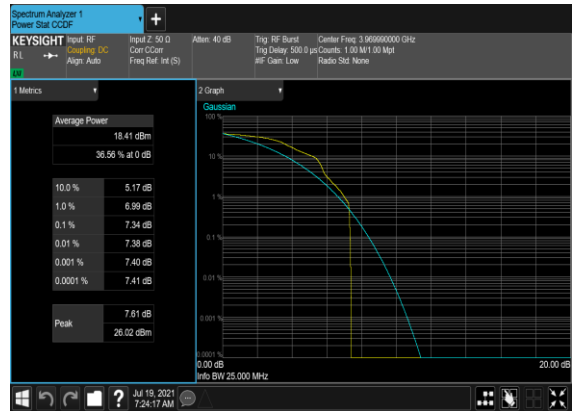
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B2_N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

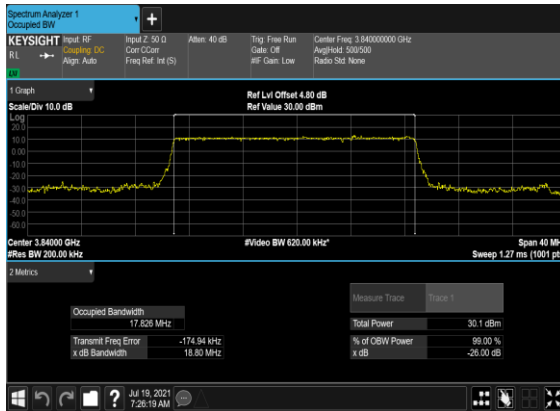


Occupied Bandwidth

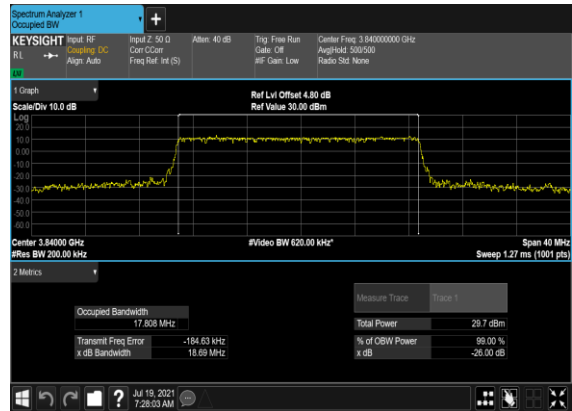
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.826	18.8
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.808	18.69
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.213	19.62
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.227	19.42
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.222	19.2
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.182	19.4
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.674	37.32
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.689	37.07
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.796	39.22
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.819	39.35
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.84	39.46
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.865	39.47
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.776	47.54
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.754	47.36
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.43	49.47
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.536	49.14
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.526	49.16
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.506	49.14
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	57.864	59.98
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.935	59.9
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.82	60.04
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.8	59.71
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.843	59.93
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.786	59.76

77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.123	79.6
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.107	79.74
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.534	80.08
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.533	79.97
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.444	80.04
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.447	79.96
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.966	88.53
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.667	88.45
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.506	90.36
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.437	90.34
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.524	90.31
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.456	90.23
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.409	99.56
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.537	99.52
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.296	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.487	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.431	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.494	100.6

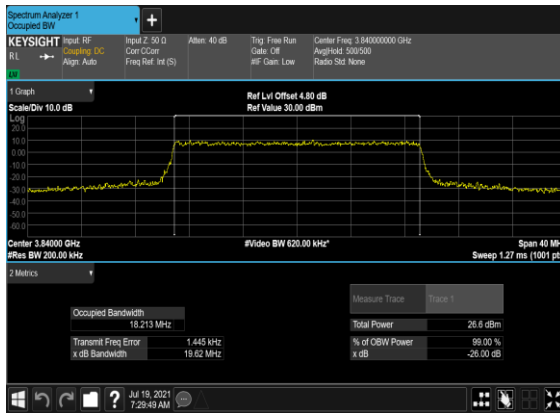
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B2_N77(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



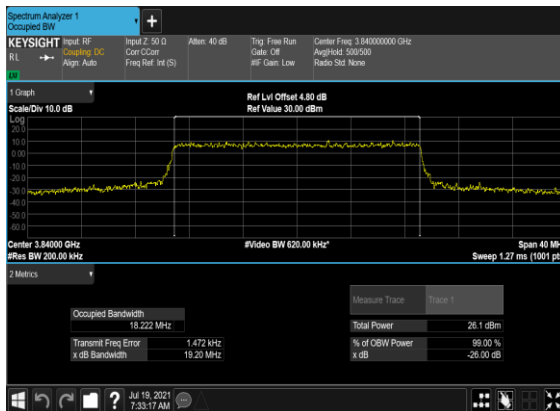
B2_N77(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



B2_N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

