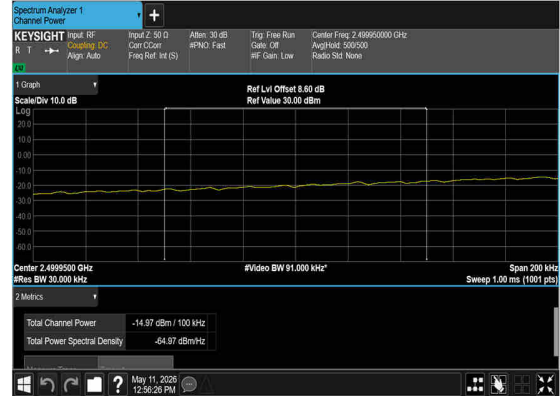




N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



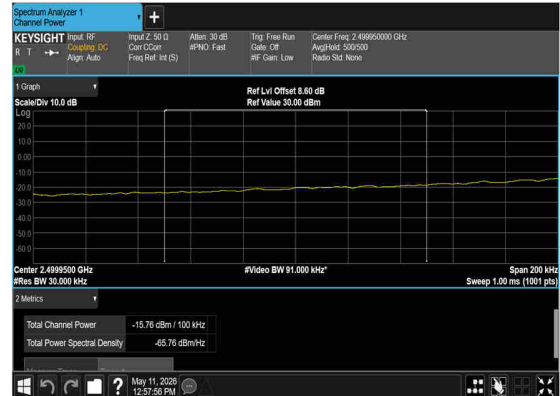
N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS





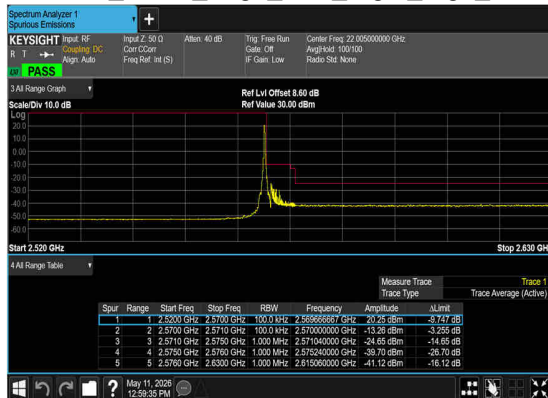
N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



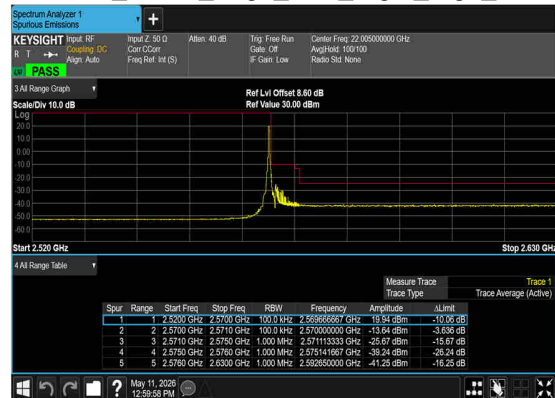
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

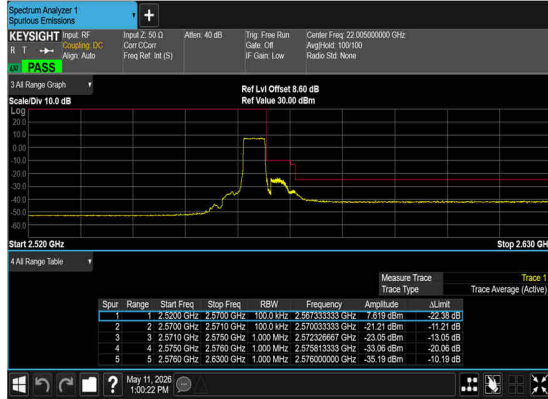


N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

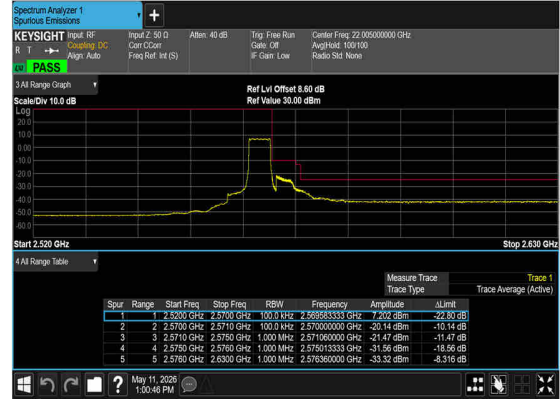




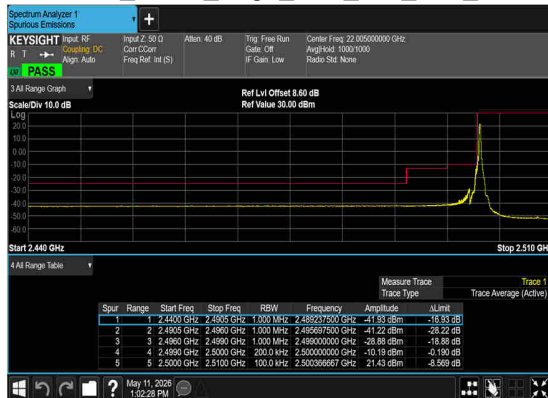
N7(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



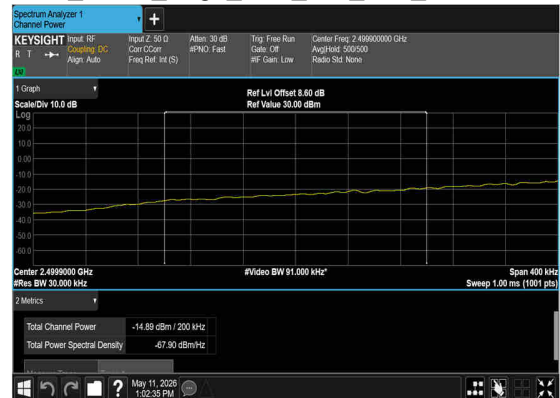
N7(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N7(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N7(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

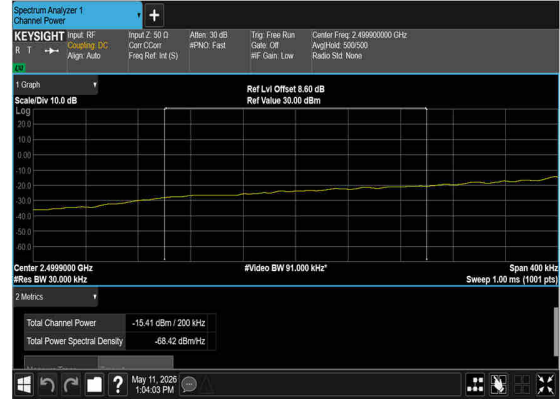




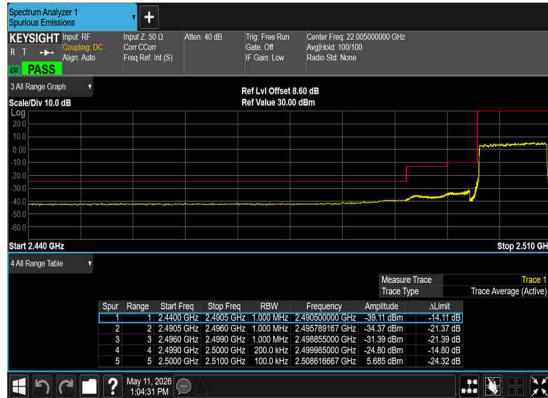
N7(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N7(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

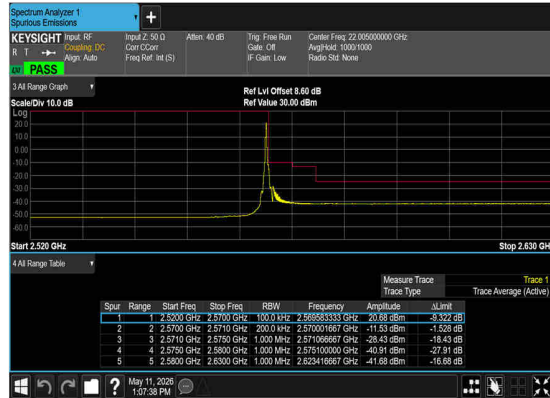


N7(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

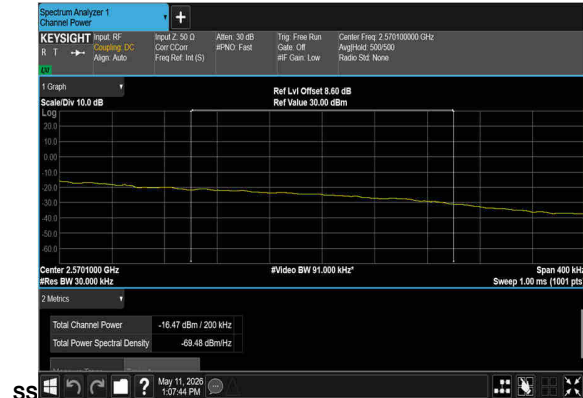




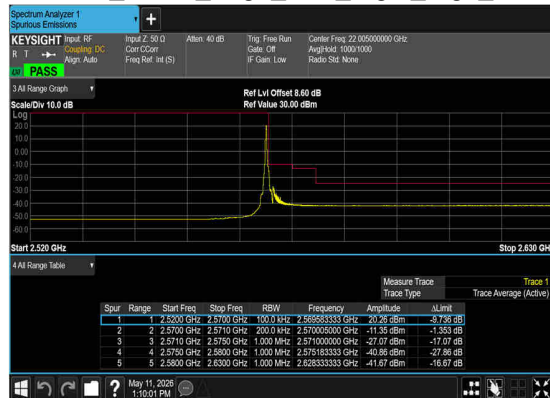
N7(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



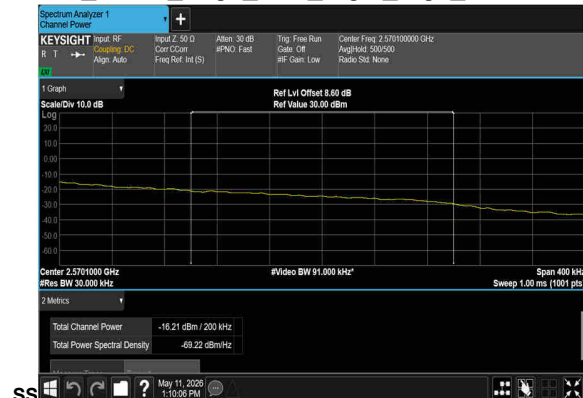
N7(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA



N7(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

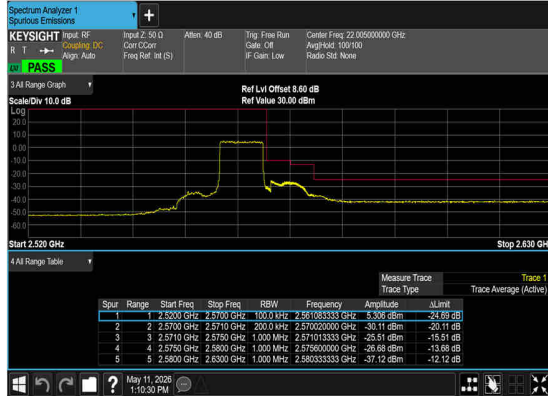


N7(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA

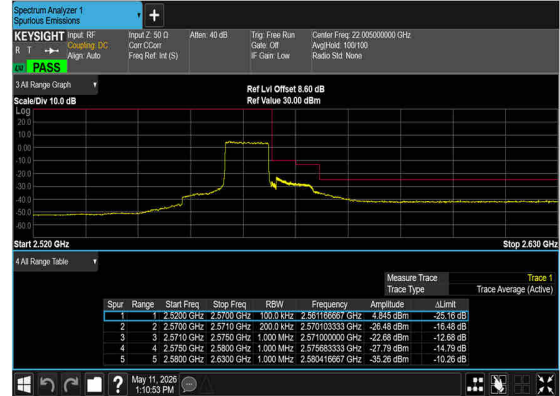




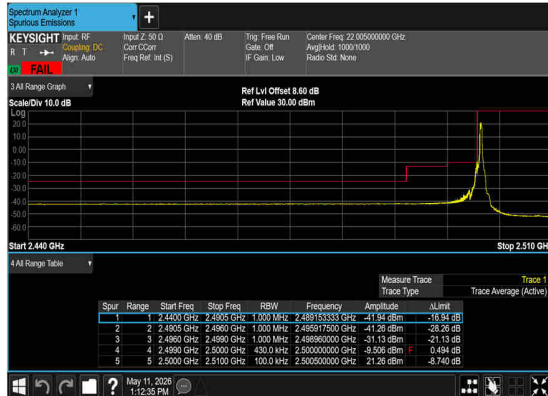
N7(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



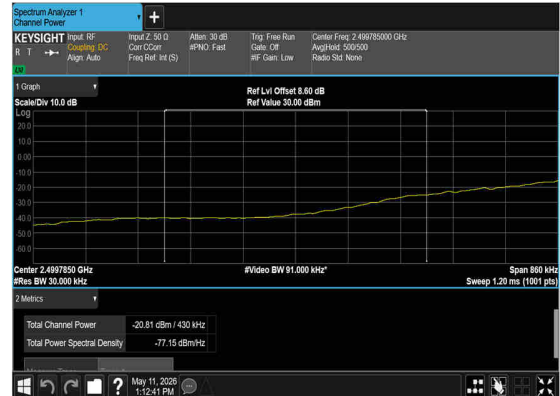
N7(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

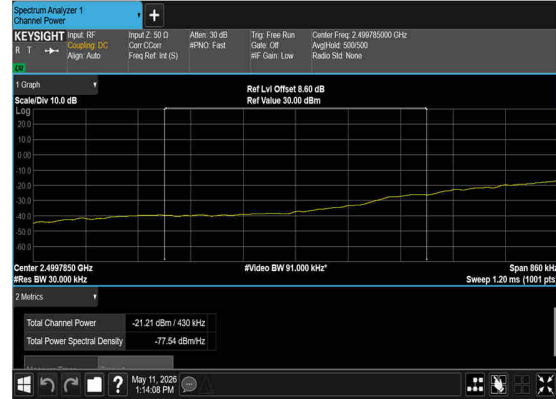




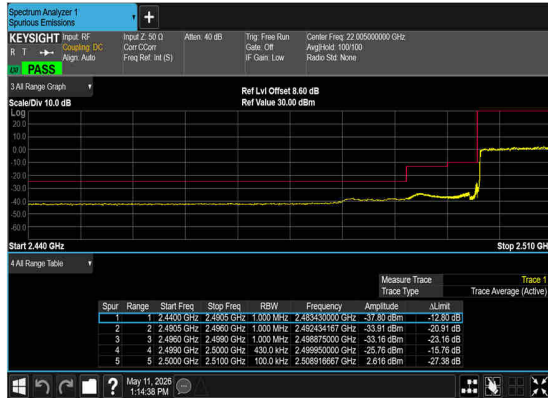
N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



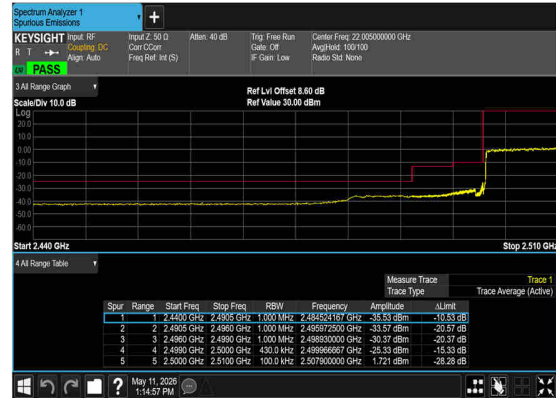
N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N7(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

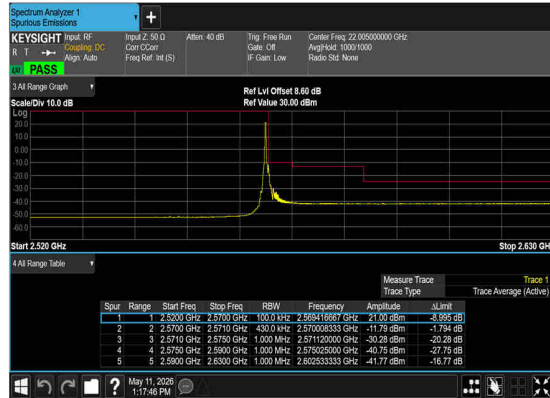


N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

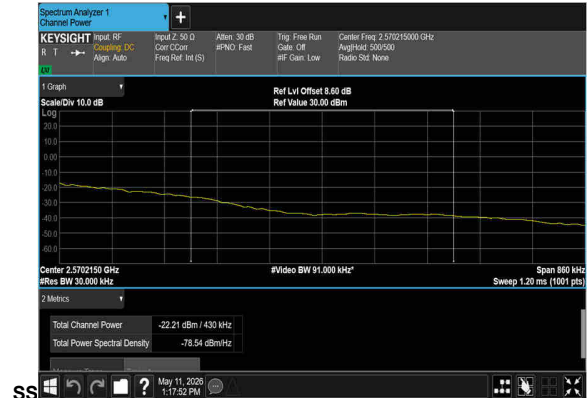




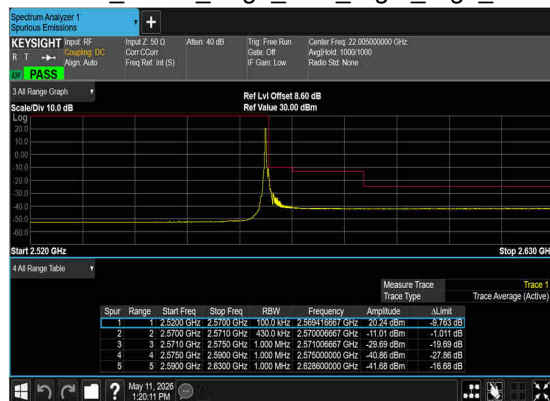
N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



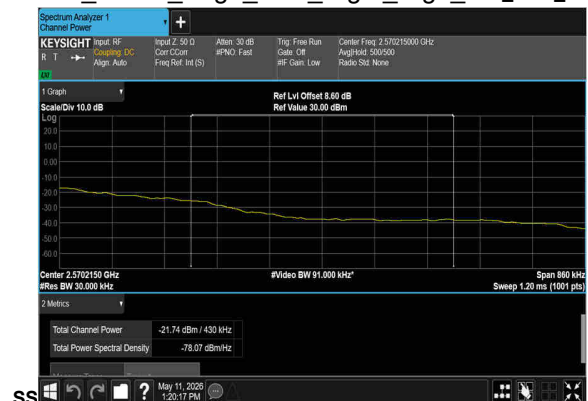
N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA



N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

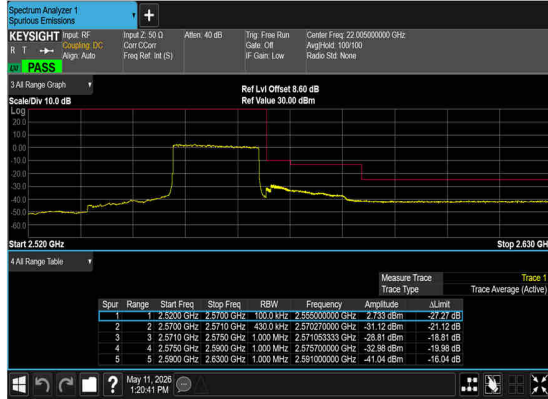


N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA

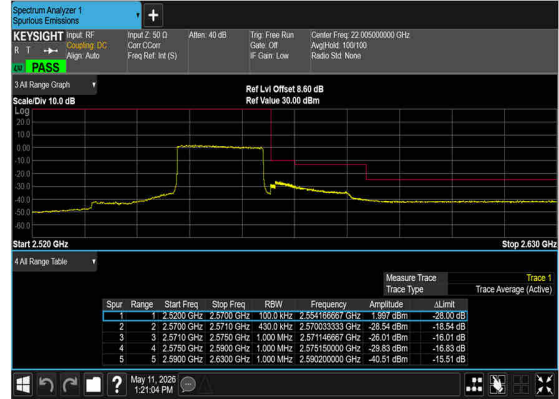




N7(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N7 for 5G Redcap

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 3.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	12@6	23.3	26.3	0.4266
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.5	26.5	0.4467
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@23	23.53	26.53	0.4498
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	12@6	22.51	25.51	0.3556
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.62	25.62	0.3648
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@23	22.65	25.65	0.3673
7	15	5	507000	2535	DFT-s-OFDM QPSK	12@6	23.3	26.3	0.4266
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.59	26.59	0.4560
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@23	23.52	26.52	0.4487
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	12@6	22.61	25.61	0.3639
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.64	25.64	0.3664
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@23	22.7	25.7	0.3715
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	12@6	23.39	26.39	0.4355
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@23	23.46	26.46	0.4426
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	12@6	22.52	25.52	0.3565
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.61	25.61	0.3639
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@23	22.73	25.73	0.3741
7	15	10	501000	2505	DFT-s-OFDM QPSK	25@12	23.46	26.46	0.4426
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.56	26.56	0.4529
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@50	23.55	26.55	0.4519
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	25@12	22.49	25.49	0.3540
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.7	25.7	0.3715
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@50	22.79	25.79	0.3793
7	15	10	507000	2535	DFT-s-OFDM QPSK	25@12	23.37	26.37	0.4335
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.63	26.63	0.4603
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@50	23.52	26.52	0.4487
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	25@12	22.47	25.47	0.3524
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.76	25.76	0.3767
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@50	22.73	25.73	0.3741
7	15	10	513000	2565	DFT-s-OFDM QPSK	25@12	23.4	26.4	0.4365
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.59	26.59	0.4560
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@50	23.46	26.46	0.4426
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	25@12	22.44	25.44	0.3499
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.65	25.65	0.3673
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@50	22.85	25.85	0.3846



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	36@18	23.29	26.29	0.4256
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.22	26.22	0.4188
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@77	23.21	26.21	0.4178
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	36@18	22.43	25.43	0.3491
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.35	25.35	0.3428
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@77	22.36	25.36	0.3436
7	15	15	507000	2535	DFT-s-OFDM QPSK	36@18	23.29	26.29	0.4256
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.17	26.17	0.4140
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@77	23.24	26.24	0.4207
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	36@18	22.4	25.4	0.3467
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.35	25.35	0.3428
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@77	22.43	25.43	0.3491
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	36@18	23.27	26.27	0.4236
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.18	26.18	0.4150
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@77	23.11	26.11	0.4083
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	36@18	22.34	25.34	0.3420
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.44	25.44	0.3499
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@77	22.28	25.28	0.3373
7	15	20	502000	2510	DFT-s-OFDM PI/2 BPSK	50@25	23.33	26.33	0.4295
7	15	20	502000	2510	DFT-s-OFDM PI/2 BPSK	1@1	23.32	26.32	0.4285
7	15	20	502000	2510	DFT-s-OFDM PI/2 BPSK	1@104	23.24	26.24	0.4207
7	15	20	502000	2510	DFT-s-OFDM QPSK	50@25	23.68	26.68	0.4656
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	23.32	26.32	0.4285
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@104	23.21	26.21	0.4178
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	50@25	22.41	25.41	0.3475
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	22.46	25.46	0.3516
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@104	22.37	25.37	0.3443
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	50@25	20.84	23.84	0.2421
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@1	20.58	23.58	0.2280
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@104	20.52	23.52	0.2249
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	50@25	18.89	21.89	0.1545
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@1	18.72	21.72	0.1486
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@104	18.59	21.59	0.1442
7	15	20	502000	2510	CP-OFDM QPSK	53@26	21.81	24.81	0.3027
7	15	20	502000	2510	CP-OFDM QPSK	1@1	21.82	24.82	0.3034
7	15	20	502000	2510	CP-OFDM QPSK	1@104	21.74	24.74	0.2979
7	15	20	507000	2535	DFT-s-OFDM PI/2 BPSK	50@25	21.74	24.74	0.2979
7	15	20	507000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.35	26.35	0.4315
7	15	20	507000	2535	DFT-s-OFDM PI/2 BPSK	1@104	23.31	26.31	0.4276
7	15	20	507000	2535	DFT-s-OFDM QPSK	50@25	23.32	26.32	0.4285
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.38	26.38	0.4345
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@104	23.34	26.34	0.4305



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	50@25	23.24	26.24	0.4207
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.4	25.4	0.3467
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@104	22.39	25.39	0.3459
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	50@25	22.39	25.39	0.3459
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@1	20.83	23.83	0.2415
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@104	20.62	23.62	0.2301
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	50@25	20.55	23.55	0.2265
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@1	18.81	21.81	0.1517
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@104	18.76	21.76	0.1500
7	15	20	507000	2535	CP-OFDM QPSK	53@26	18.5	21.5	0.1413
7	15	20	507000	2535	CP-OFDM QPSK	1@1	21.72	24.72	0.2965
7	15	20	507000	2535	CP-OFDM QPSK	1@104	21.74	24.74	0.2979
7	15	20	512000	2560	DFT-s-OFDM PI/2 BPSK	50@25	21.71	24.71	0.2958
7	15	20	512000	2560	DFT-s-OFDM PI/2 BPSK	1@1	21.69	24.69	0.2944
7	15	20	512000	2560	DFT-s-OFDM PI/2 BPSK	1@104	23.3	26.3	0.4266
7	15	20	512000	2560	DFT-s-OFDM QPSK	50@25	23.26	26.26	0.4227
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.3	26.3	0.4266
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@104	23.32	26.32	0.4285
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	50@25	23.24	26.24	0.4207
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	23.18	26.18	0.4150
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@104	22.42	25.42	0.3483
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	50@25	22.41	25.41	0.3475
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@1	22.37	25.37	0.3443
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@104	20.85	23.85	0.2427
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	50@25	20.62	23.62	0.2301
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@1	20.5	23.5	0.2239
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@104	18.79	21.79	0.1510
7	15	20	512000	2560	CP-OFDM QPSK	53@26	18.64	21.64	0.1459
7	15	20	512000	2560	CP-OFDM QPSK	1@1	18.5	21.5	0.1413
7	15	20	512000	2560	CP-OFDM QPSK	1@104	21.89	24.89	0.3083



Software Version: 23.06.1602

FR1 N38 for 5G NR

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 3.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	12@6	23.76	26.76	0.4742
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	23.74	26.74	0.4721
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@22	23.79	26.79	0.4775
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	12@6	22.9	25.9	0.3890
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	22.85	25.85	0.3846
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@22	22.84	25.84	0.3837
38	30	10	519000	2595	DFT-s-OFDM QPSK	12@6	23.67	26.67	0.4645
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	23.69	26.69	0.4667
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@22	23.59	26.59	0.4560
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	12@6	22.8	25.8	0.3802
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.75	25.75	0.3758
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@22	22.64	25.64	0.3664
38	30	10	523000	2615	DFT-s-OFDM QPSK	12@6	23.63	26.63	0.4603
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.49	26.49	0.4457
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@22	23.57	26.57	0.4539
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	12@6	22.57	25.57	0.3606
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.54	25.54	0.3581
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@22	22.58	25.58	0.3614
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	18@9	23.67	26.67	0.4645
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.64	26.64	0.4613
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@36	23.59	26.59	0.4560
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	18@9	22.68	25.68	0.3698
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	22.68	25.68	0.3698
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@36	22.62	25.62	0.3648
38	30	15	519000	2595	DFT-s-OFDM QPSK	18@9	23.48	26.48	0.4446
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.48	26.48	0.4446
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@36	23.48	26.48	0.4446
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	18@9	22.46	25.46	0.3516
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.55	25.55	0.3589
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@36	22.52	25.52	0.3565
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	18@9	23.56	26.56	0.4529
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@36	23.61	26.61	0.4581
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	18@9	22.56	25.56	0.3597
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.58	25.58	0.3614
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@36	22.62	25.62	0.3648



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	25@12	23.71	26.71	0.4688
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@1	23.7	26.7	0.4677
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@49	23.56	26.56	0.4529
38	30	20	516000	2580	DFT-s-OFDM QPSK	25@12	23.7	26.7	0.4677
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.89	26.89	0.4887
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@49	23.61	26.61	0.4581
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	25@12	22.72	25.72	0.3733
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.72	25.72	0.3733
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@49	22.61	25.61	0.3639
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	25@12	21.25	24.25	0.2661
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	1@1	21.2	24.2	0.2630
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	1@49	21.06	24.06	0.2547
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	25@12	19.18	22.18	0.1652
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	1@1	19.08	22.08	0.1614
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	1@49	18.79	21.79	0.1510
38	30	20	516000	2580	CP-OFDM QPSK	25@12	22.27	25.27	0.3365
38	30	20	516000	2580	CP-OFDM QPSK	1@1	22.21	25.21	0.3319
38	30	20	516000	2580	CP-OFDM QPSK	1@49	22.03	25.03	0.3184
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	25@12	23.48	26.48	0.4446
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.51	26.51	0.4477
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@49	23.48	26.48	0.4446
38	30	20	519000	2595	DFT-s-OFDM QPSK	25@12	23.49	26.49	0.4457
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.57	26.57	0.4539
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@49	23.49	26.49	0.4457
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	25@12	22.54	25.54	0.3581
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.58	25.58	0.3614
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@49	22.46	25.46	0.3516
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	25@12	21.04	24.04	0.2535
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	1@1	21.06	24.06	0.2547
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	1@49	20.97	23.97	0.2495
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	25@12	18.99	21.99	0.1581
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.92	21.92	0.1556
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	1@49	18.68	21.68	0.1472
38	30	20	519000	2595	CP-OFDM QPSK	25@12	22.07	25.07	0.3214
38	30	20	519000	2595	CP-OFDM QPSK	1@1	22	25	0.3162
38	30	20	519000	2595	CP-OFDM QPSK	1@49	21.89	24.89	0.3083
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	25@12	23.51	26.51	0.4477
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@1	23.52	26.52	0.4487
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@49	23.51	26.51	0.4477
38	30	20	522000	2610	DFT-s-OFDM QPSK	25@12	23.52	26.52	0.4487
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.55	26.55	0.4519
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@49	23.59	26.59	0.4560



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	25@12	22.55	25.55	0.3589
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.58	25.58	0.3614
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@49	22.58	25.58	0.3614
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	25@12	21.05	24.05	0.2541
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	1@1	21.08	24.08	0.2559
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	1@49	21.03	24.03	0.2529
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	25@12	19.01	22.01	0.1589
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	1@1	18.93	21.93	0.1560
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	1@49	18.76	21.76	0.1500
38	30	20	522000	2610	CP-OFDM QPSK	25@12	22.1	25.1	0.3236
38	30	20	522000	2610	CP-OFDM QPSK	1@1	22.02	25.02	0.3177
38	30	20	522000	2610	CP-OFDM QPSK	1@49	21.98	24.98	0.3148



Software Version: 23.06.1602

FR1 N38 for 5G Redcap

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 3.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	12@6	23.71	26.71	0.4688
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	23.76	26.76	0.4742
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@22	23.84	26.84	0.4831
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	12@6	22.84	25.84	0.3837
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	22.89	25.89	0.3882
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@22	22.85	25.85	0.3846
38	30	10	519000	2595	DFT-s-OFDM QPSK	12@6	23.79	26.79	0.4775
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	23.87	26.87	0.4864
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@22	23.84	26.84	0.4831
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	12@6	22.74	25.74	0.3750
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.54	25.54	0.3581
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@22	22.58	25.58	0.3614
38	30	10	523000	2615	DFT-s-OFDM QPSK	12@6	23.7	26.7	0.4677
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@22	23.64	26.64	0.4613
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	12@6	22.71	25.71	0.3724
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.59	25.59	0.3622
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@22	22.78	25.78	0.3784
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	18@9	23.49	26.49	0.4457
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.58	26.58	0.4550
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@36	23.49	26.49	0.4457
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	18@9	22.54	25.54	0.3581
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	22.59	25.59	0.3622
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@36	22.52	25.52	0.3565
38	30	15	519000	2595	DFT-s-OFDM QPSK	18@9	23.41	26.41	0.4375
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.4	26.4	0.4365
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@36	23.55	26.55	0.4519
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	18@9	22.4	25.4	0.3467
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.42	25.42	0.3483
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@36	22.48	25.48	0.3532
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	18@9	23.58	26.58	0.4550
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@36	23.59	26.59	0.4560
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	18@9	22.54	25.54	0.3581
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.44	25.44	0.3499
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@36	22.58	25.58	0.3614



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	25@12	23.81	26.81	0.4797
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@1	23.74	26.74	0.4721
38	30	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@49	23.64	26.64	0.4613
38	30	20	516000	2580	DFT-s-OFDM QPSK	25@12	23.88	26.88	0.4875
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.67	26.67	0.4645
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@49	23.54	26.54	0.4508
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	25@12	22.54	25.54	0.3581
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.72	25.72	0.3733
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@49	22.5	25.5	0.3548
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	25@12	20.88	23.88	0.2443
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	1@1	20.72	23.72	0.2355
38	30	20	516000	2580	DFT-s-OFDM 64 QAM	1@49	20.69	23.69	0.2339
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	25@12	19.12	22.12	0.1629
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	1@1	19.02	22.02	0.1592
38	30	20	516000	2580	DFT-s-OFDM 256 QAM	1@49	18.95	21.95	0.1567
38	30	20	516000	2580	CP-OFDM QPSK	25@12	22.04	25.04	0.3192
38	30	20	516000	2580	CP-OFDM QPSK	1@1	22.02	25.02	0.3177
38	30	20	516000	2580	CP-OFDM QPSK	1@49	22.14	25.14	0.3266
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	25@12	23.57	26.57	0.4539
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.58	26.58	0.4550
38	30	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@49	23.39	26.39	0.4355
38	30	20	519000	2595	DFT-s-OFDM QPSK	25@12	23.5	26.5	0.4467
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.47	26.47	0.4436
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@49	23.31	26.31	0.4276
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	25@12	22.48	25.48	0.3532
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.72	25.72	0.3733
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@49	22.58	25.58	0.3614
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	25@12	20.87	23.87	0.2438
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.91	23.91	0.2460
38	30	20	519000	2595	DFT-s-OFDM 64 QAM	1@49	20.72	23.72	0.2355
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	25@12	19.05	22.05	0.1603
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.72	21.72	0.1486
38	30	20	519000	2595	DFT-s-OFDM 256 QAM	1@49	18.42	21.42	0.1387
38	30	20	519000	2595	CP-OFDM QPSK	25@12	22.01	25.01	0.3170
38	30	20	519000	2595	CP-OFDM QPSK	1@1	21.93	24.93	0.3112
38	30	20	519000	2595	CP-OFDM QPSK	1@49	21.99	24.99	0.3155
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	25@12	23.51	26.51	0.4477
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@1	23.61	26.61	0.4581
38	30	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@49	23.69	26.69	0.4667
38	30	20	522000	2610	DFT-s-OFDM QPSK	25@12	23.78	26.78	0.4764
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.61	26.61	0.4581
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@49	23.72	26.72	0.4699



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	25@12	22.58	25.58	0.3614
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.54	25.54	0.3581
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@49	22.57	25.57	0.3606
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	25@12	20.91	23.91	0.2460
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	1@1	20.72	23.72	0.2355
38	30	20	522000	2610	DFT-s-OFDM 64 QAM	1@49	20.81	23.81	0.2404
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	25@12	19.08	22.08	0.1614
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	1@1	18.88	21.88	0.1542
38	30	20	522000	2610	DFT-s-OFDM 256 QAM	1@49	19.04	22.04	0.1600
38	30	20	522000	2610	CP-OFDM QPSK	25@12	21.94	24.94	0.3119
38	30	20	522000	2610	CP-OFDM QPSK	1@1	21.89	24.89	0.3083
38	30	20	522000	2610	CP-OFDM QPSK	1@49	22.02	25.02	0.3177



Software Version: 23.06.1602

FR1 N41 for 5G NR

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 3.0 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	12@6	25.97	28.97	0.7889
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.87	28.87	0.7709
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@22	25.89	28.89	0.7745
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	12@6	25.01	28.01	0.6324
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	24.98	27.98	0.6281
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@22	24.89	27.89	0.6152
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	12@6	25.89	28.89	0.7745
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.79	28.79	0.7568
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@22	25.75	28.75	0.7499
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	12@6	24.91	27.91	0.6180
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25	28	0.6310
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@22	24.9	27.9	0.6166
41	30	10	537000	2685	DFT-s-OFDM QPSK	12@6	25.63	28.63	0.7295
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	25.63	28.63	0.7295
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@22	25.59	28.59	0.7228
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	12@6	24.76	27.76	0.5970
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.81	27.81	0.6039
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@22	24.8	27.8	0.6026
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	18@9	25.89	28.89	0.7745
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.87	28.87	0.7709
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@36	25.82	28.82	0.7621
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	18@9	24.74	27.74	0.5943
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.87	27.87	0.6124
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@36	24.9	27.9	0.6166
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	18@9	25.77	28.77	0.7534
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.71	28.71	0.7430
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@36	25.58	28.58	0.7211
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	18@9	24.63	27.63	0.5794
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.81	27.81	0.6039
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@36	24.72	27.72	0.5916
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	18@9	25.75	28.75	0.7499
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	25.74	28.74	0.7482
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@36	25.72	28.72	0.7447
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	18@9	24.74	27.74	0.5943
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	24.76	27.76	0.5970
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@36	24.95	27.95	0.6237



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	25@12	25.81	28.81	0.7603
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@1	25.77	28.77	0.7534
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@49	25.7	28.7	0.7413
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	25@12	25.8	28.8	0.7586
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.98	28.98	0.7907
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@49	25.8	28.8	0.7586
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	25@12	24.82	27.82	0.6053
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	24.84	27.84	0.6081
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@49	24.75	27.75	0.5957
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	25@12	23.38	26.38	0.4345
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	1@1	23.26	26.26	0.4227
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	1@49	23.14	26.14	0.4111
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	25@12	21.31	24.31	0.2698
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	1@1	21.08	24.08	0.2559
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	1@49	20.92	23.92	0.2466
41	30	20	501204	2506.02	CP-OFDM QPSK	25@12	24.32	27.32	0.5395
41	30	20	501204	2506.02	CP-OFDM QPSK	1@1	24.25	27.25	0.5309
41	30	20	501204	2506.02	CP-OFDM QPSK	1@49	24.07	27.07	0.5093
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	25@12	25.78	28.78	0.7551
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.79	28.79	0.7568
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@49	25.61	28.61	0.7261
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	25@12	25.79	28.79	0.7568
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.86	28.86	0.7691
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@49	25.67	28.67	0.7362
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	25@12	24.84	27.84	0.6081
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.86	27.86	0.6109
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@49	24.67	27.67	0.5848
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	25@12	23.34	26.34	0.4305
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	23.23	26.23	0.4198
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	1@49	23.08	26.08	0.4055
41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	25@12	21.3	24.3	0.2692
41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.17	24.17	0.2612
41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	1@49	21.03	24.03	0.2529
41	30	20	518598	2592.99	CP-OFDM QPSK	25@12	24.33	27.33	0.5408
41	30	20	518598	2592.99	CP-OFDM QPSK	1@1	24.27	27.27	0.5333
41	30	20	518598	2592.99	CP-OFDM QPSK	1@49	24.08	27.08	0.5105
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	25@12	25.9	28.9	0.7762
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	25.7	28.7	0.7413
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@49	25.76	28.76	0.7516
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	25@12	25.83	28.83	0.7638
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.78	28.78	0.7551
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@49	25.85	28.85	0.7674



NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	25@12	24.9	27.9	0.6166
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	24.74	27.74	0.5943
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@49	24.83	27.83	0.6067
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	25@12	23.4	26.4	0.4365
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@1	23.12	26.12	0.4093
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@49	23.24	26.24	0.4207
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	25@12	21.33	24.33	0.2710
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@1	21.04	24.04	0.2535
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@49	21.15	24.15	0.2600
41	30	20	535998	2679.99	CP-OFDM QPSK	25@12	24.42	27.42	0.5521
41	30	20	535998	2679.99	CP-OFDM QPSK	1@1	24.16	27.16	0.5200
41	30	20	535998	2679.99	CP-OFDM QPSK	1@49	24.21	27.21	0.5260



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	10.6	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.8	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15.5	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15	PASS	-30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	19	PASS	-20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.8	PASS	-10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	10.9	PASS	0°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	18.6	PASS	10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.7	PASS	20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	12.7	PASS	30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15	PASS	40°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	13.3	PASS	50°C

$|\text{MAX}(\Delta f)| = 19 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	2496.849881	$\geq 2496 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	2689.258829	$\leq 2690 \text{ MHz}$	

**Peak to Average Ratio**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	24@0	3.76	13	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	4.44	13	PASS
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	24@0	3.84	13	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	24@0	4.48	13	PASS
41	30	10	537000	2685.0	DFT-s-OFDM PI/2 BPSK	24@0	3.66	13	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	4.74	13	PASS
41	30	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	36@0	3.54	13	PASS
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	36@0	4.69	13	PASS
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	36@0	3.51	13	PASS
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	36@0	4.74	13	PASS
41	30	15	536496	2682.48	DFT-s-OFDM PI/2 BPSK	36@0	3.37	13	PASS
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	36@0	4.56	13	PASS
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	50@0	3.8	13	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	4.41	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	4.02	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	4.73	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@0	3.86	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	4.47	13	PASS



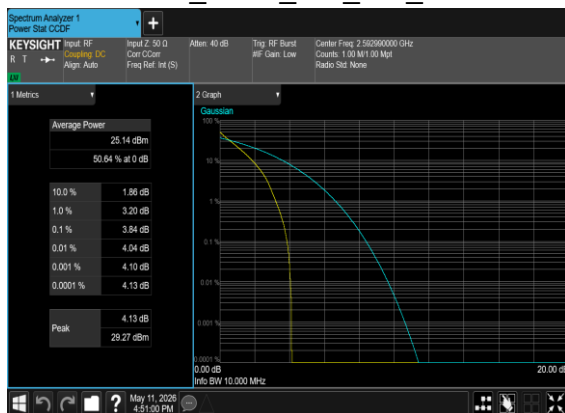
N41(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





N41(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N41(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N41(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





N41(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N41(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



N41(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

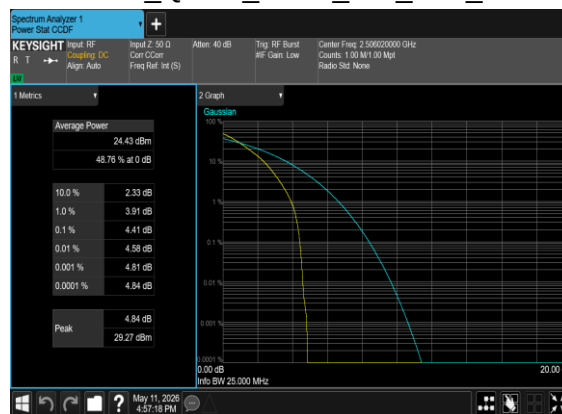




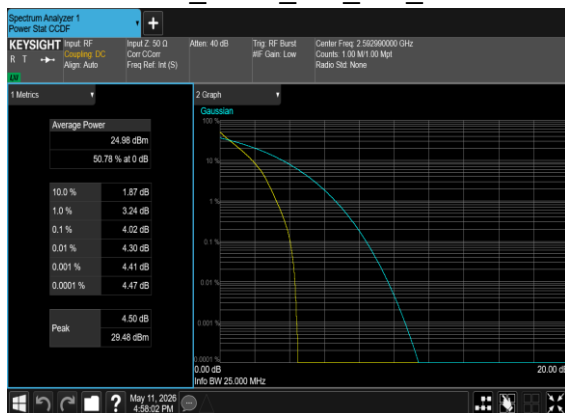
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BPSK_Outer_Full_Low_CH



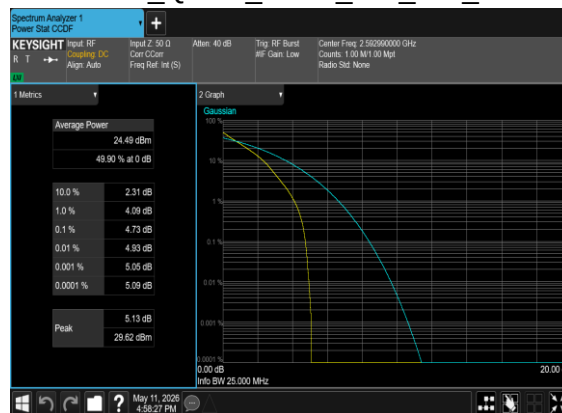
N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N41(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



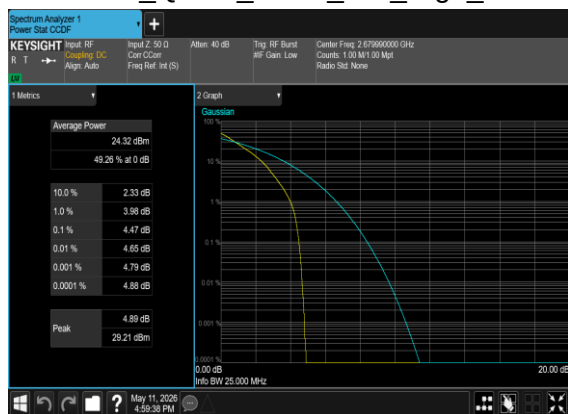
N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Report No. : FG642201K

N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



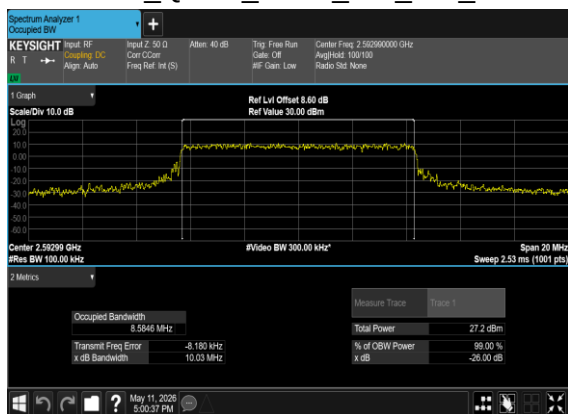


Occupied Bandwidth

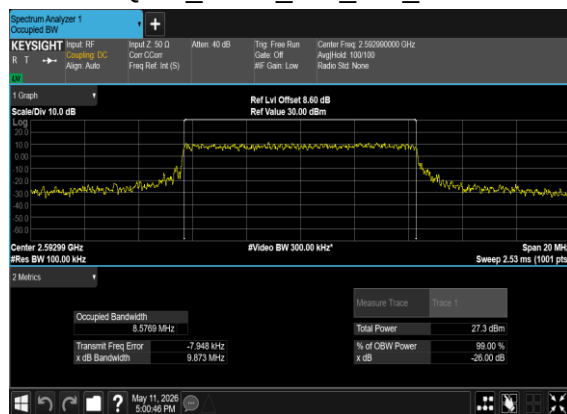
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5846	10.03
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5769	9.873
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5762	9.583
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5698	9.24
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.621	14.95
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.641	14.52
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.563	14.74
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.531	14.72
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.259	19.94
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.243	19.5
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.271	19.61
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.211	19.86



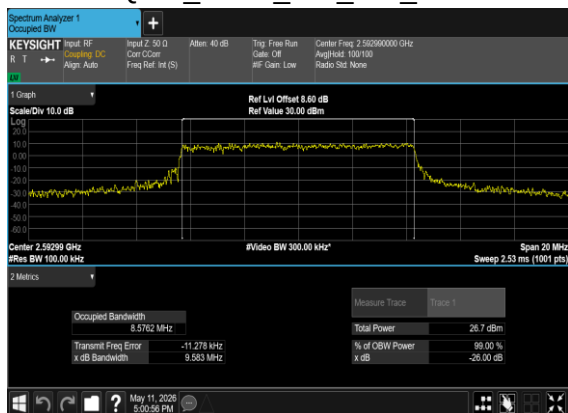
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OFDM_QPSK_Outer_Full_Mid_CH



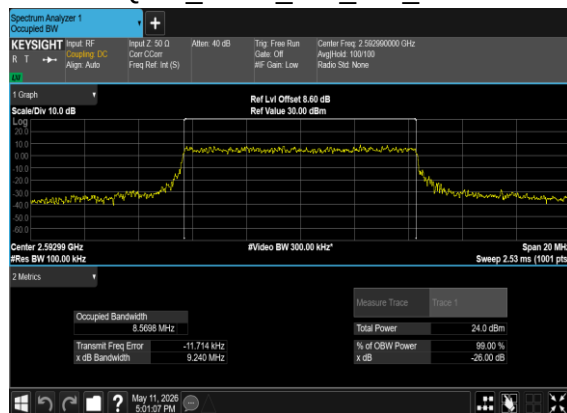
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QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

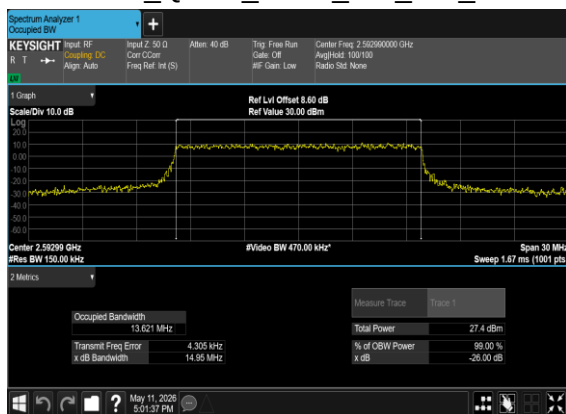


N41(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

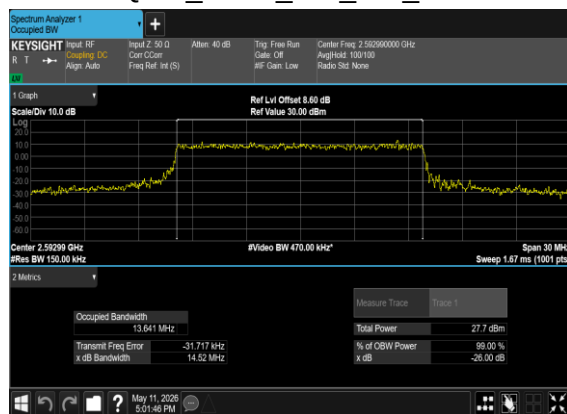




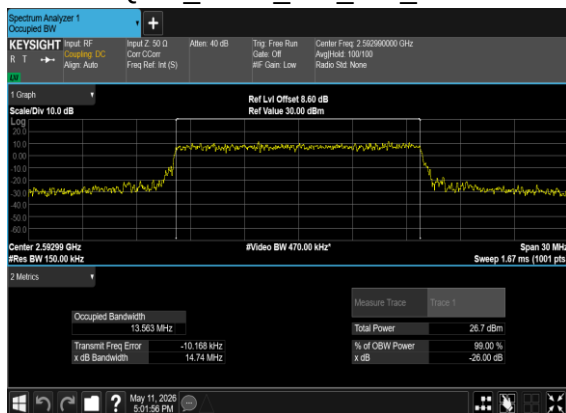
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OFDM_QPSK_Outer_Full_Mid_CH



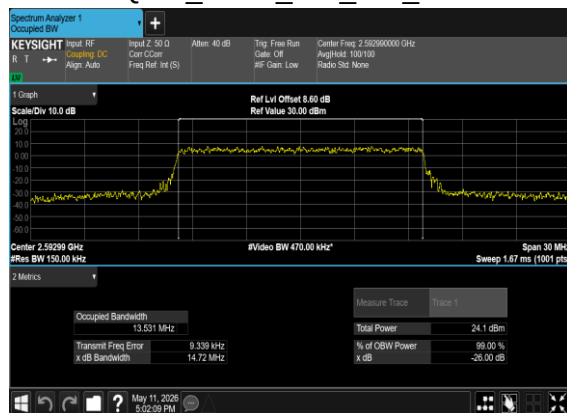
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QAM_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

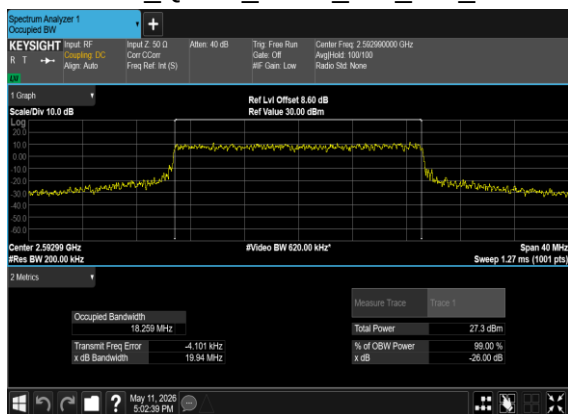


N41(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

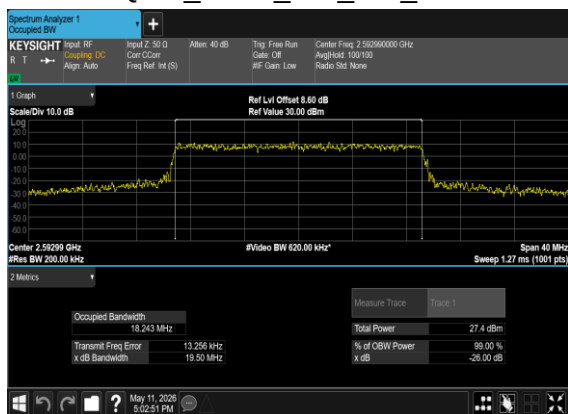




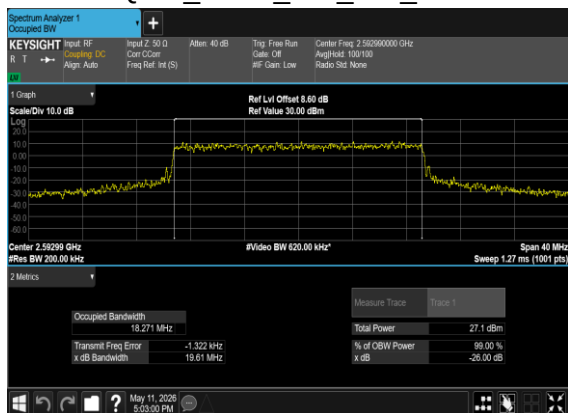
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



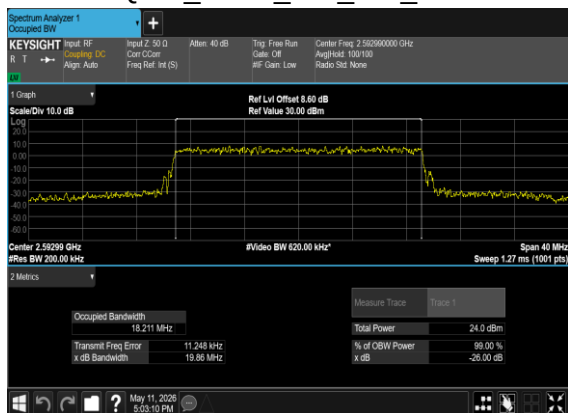
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	500700	2503.5	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	15	500700	2503.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	500700	2503.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	15	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	536496	2682.48	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	15	536496	2682.48	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	536496	2682.48	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@0	see graph	PASS



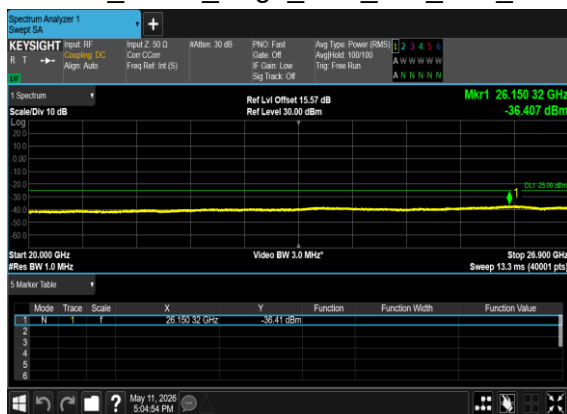
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	PASS



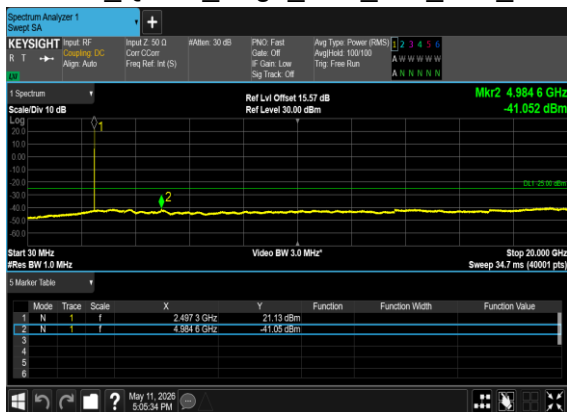
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



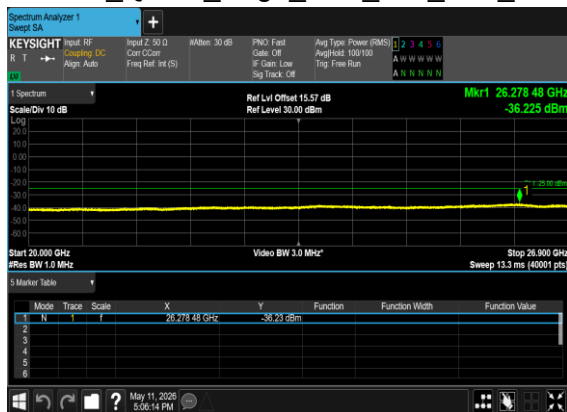
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

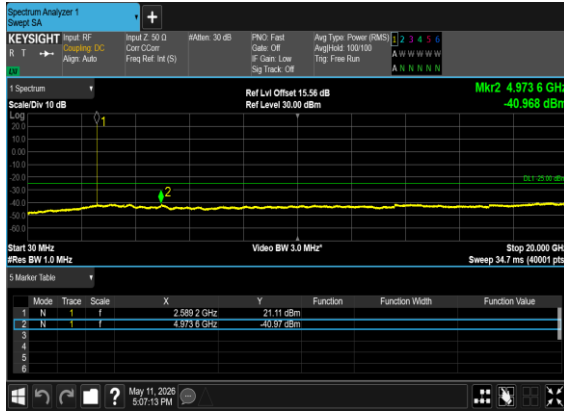


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

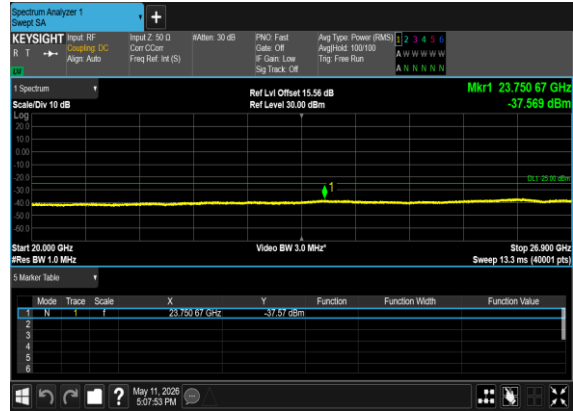




N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



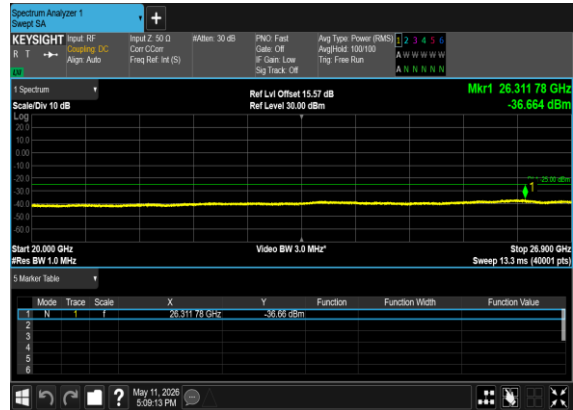
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

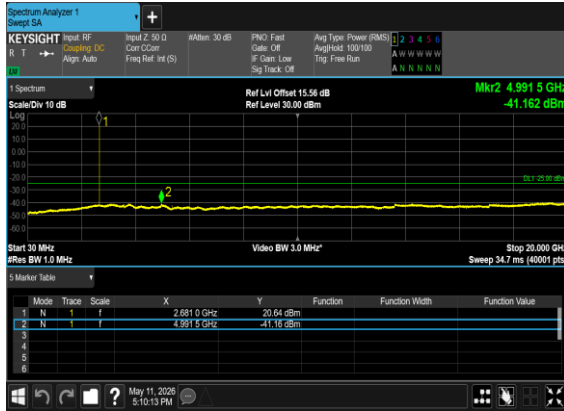


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

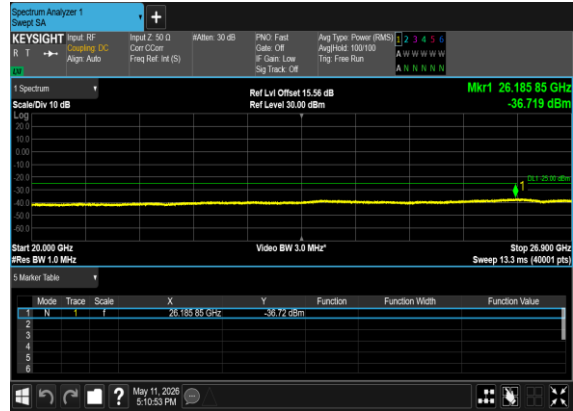




N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



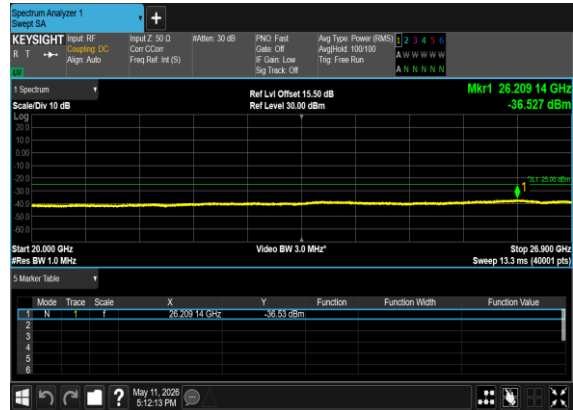
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

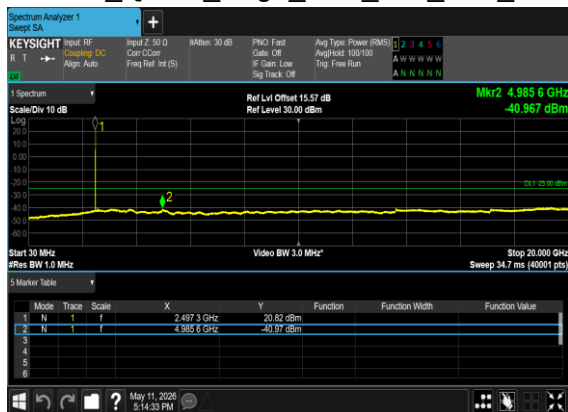
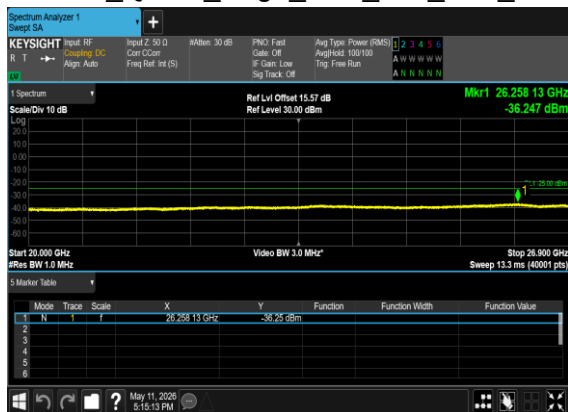


N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



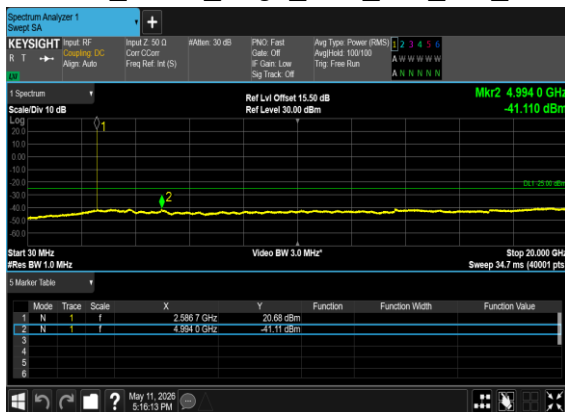
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



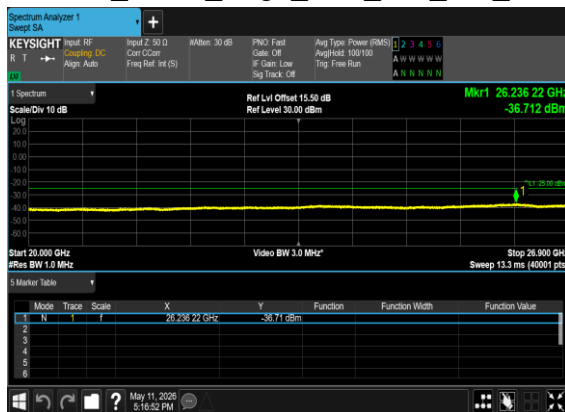
N41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



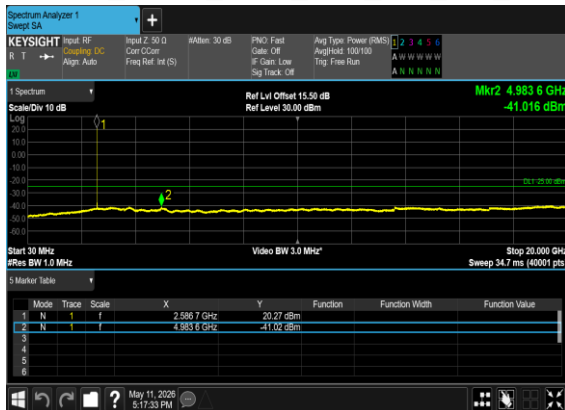
N41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



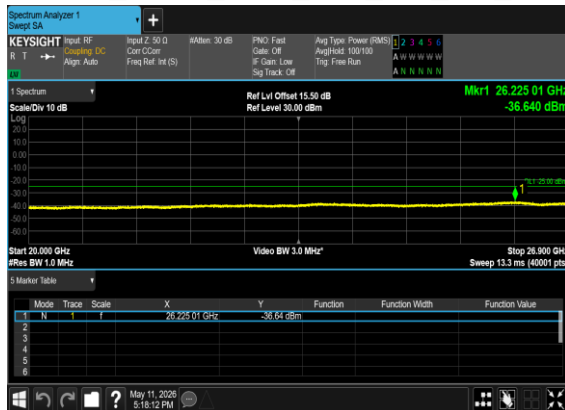
N41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

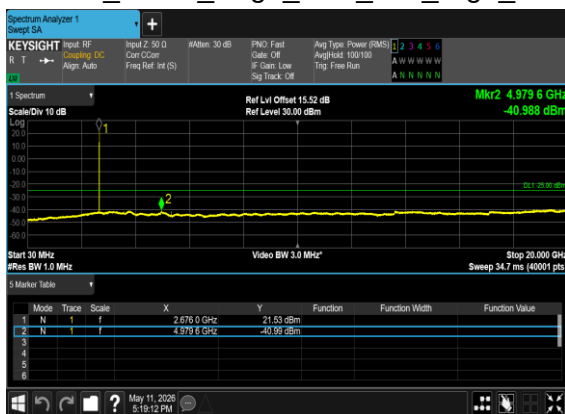
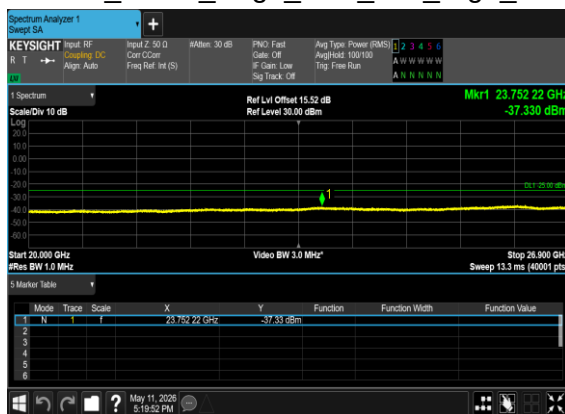
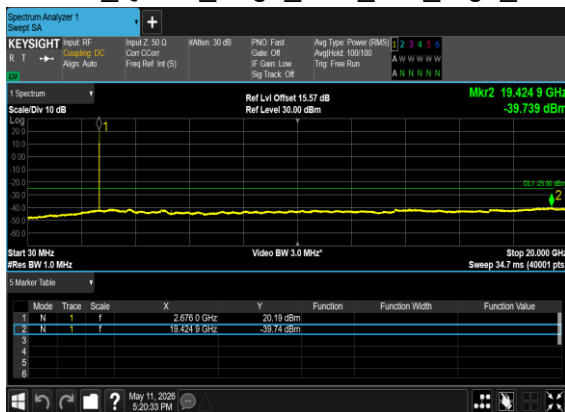


N41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



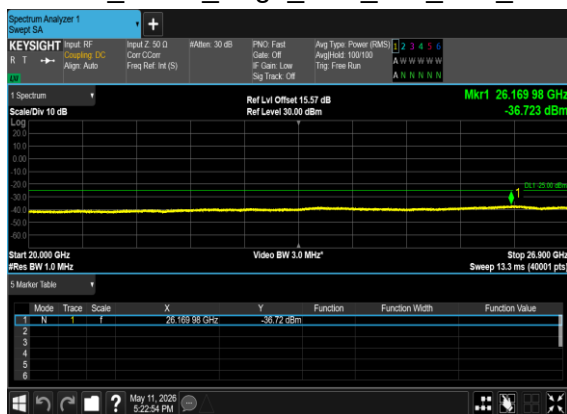
N41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN41(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



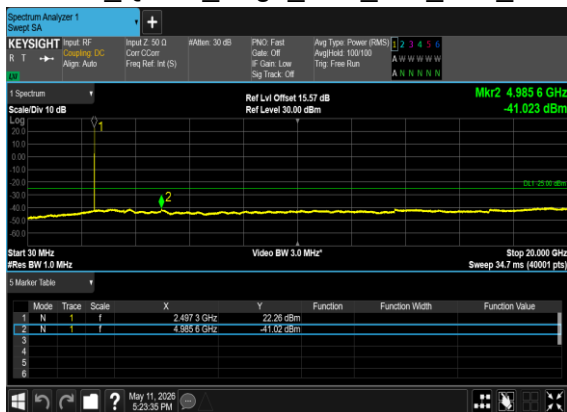
N41(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

