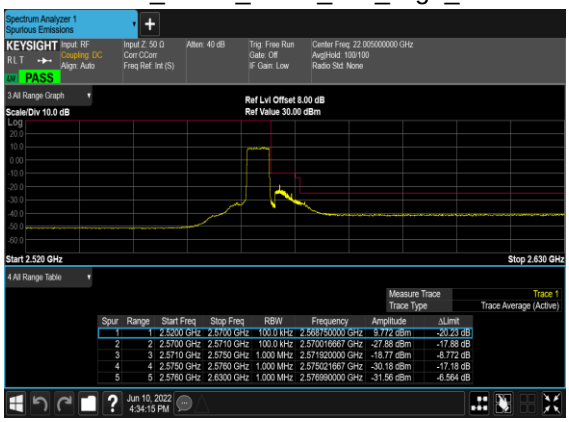
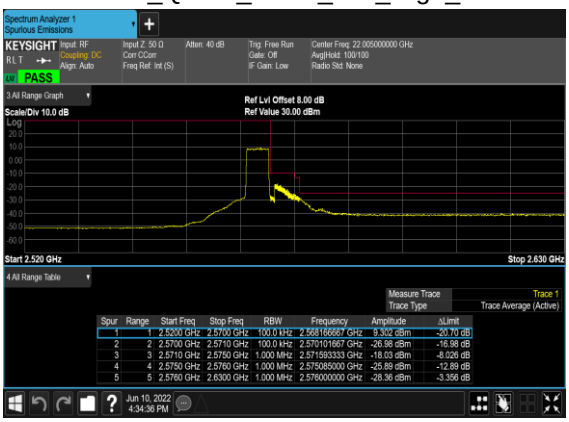
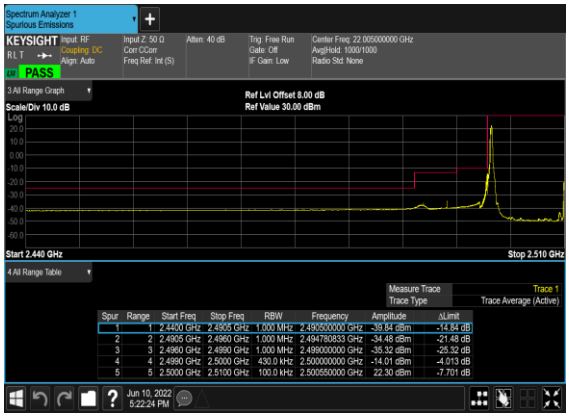
B66_N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



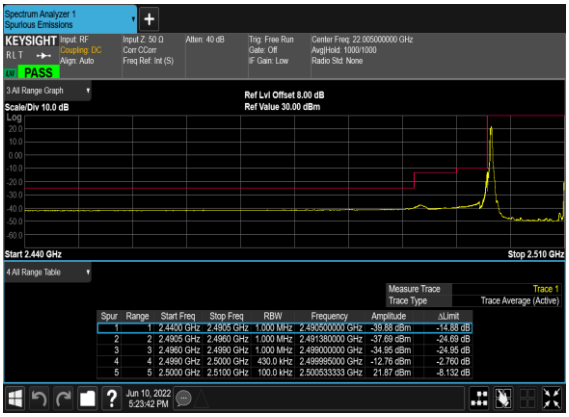
B66_N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



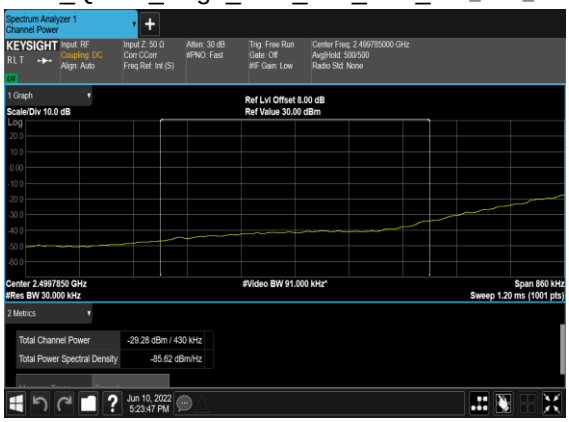
B66_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



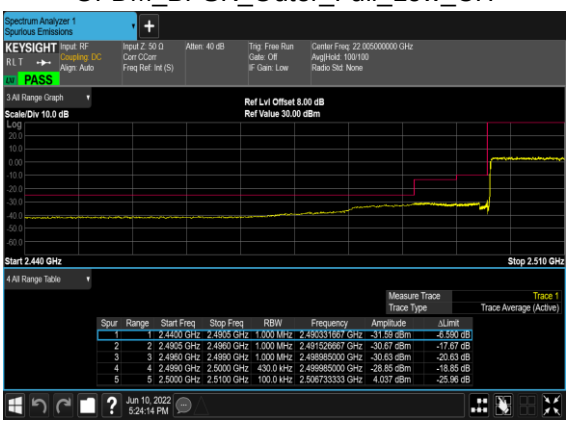
B66_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



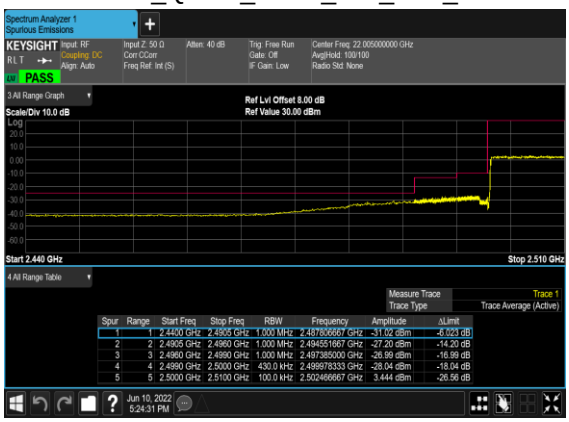
B66_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



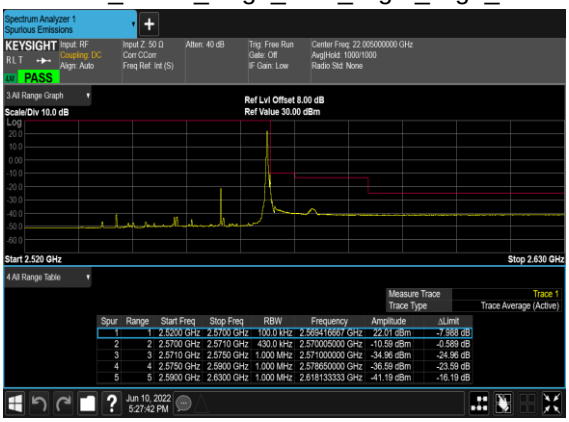
B66_N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



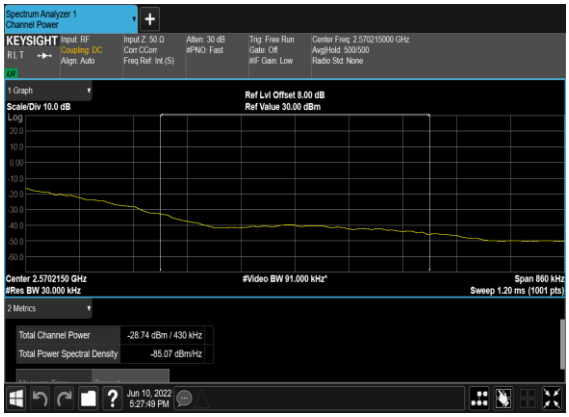
B66_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



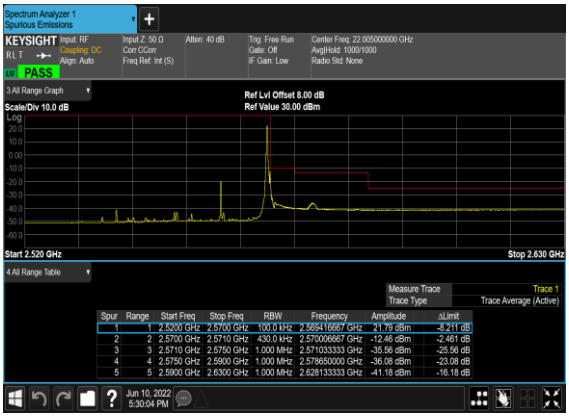
B66_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



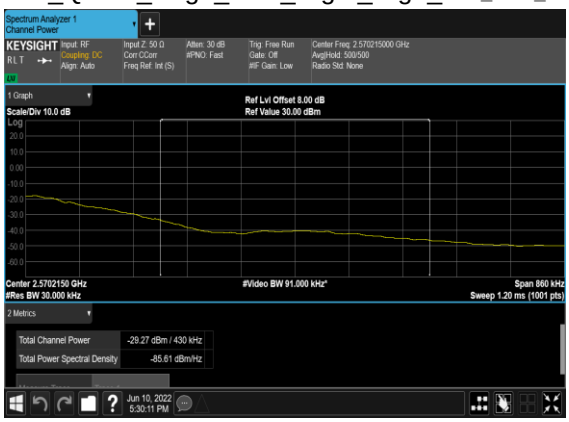
B66_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



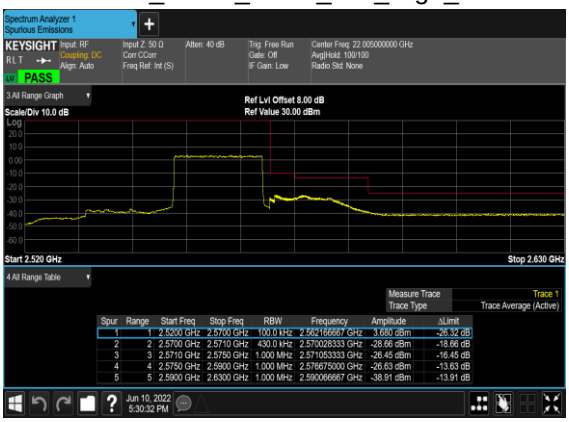
B66_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



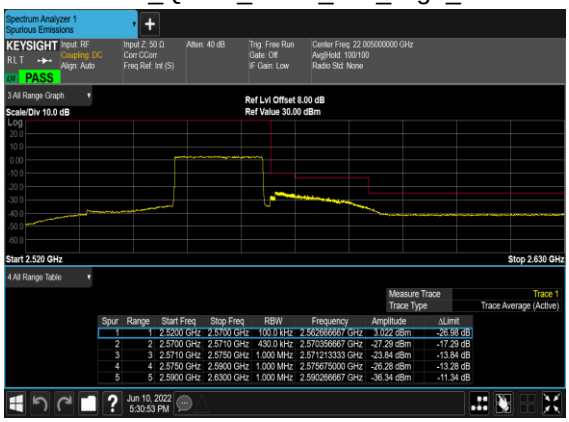
B66_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



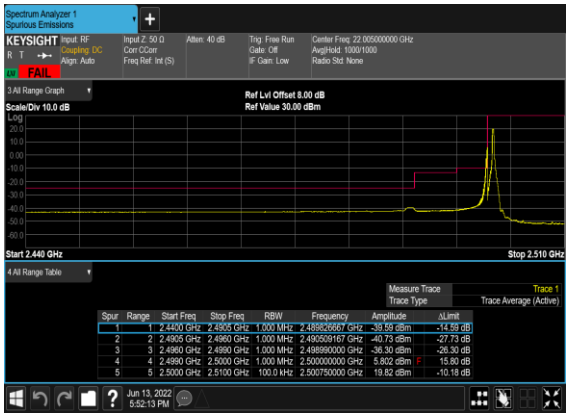
B66_N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



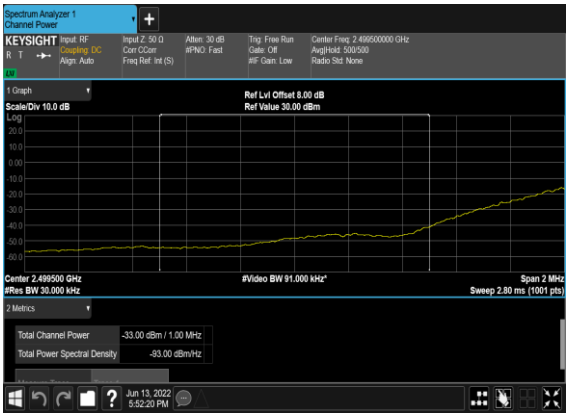
B66_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



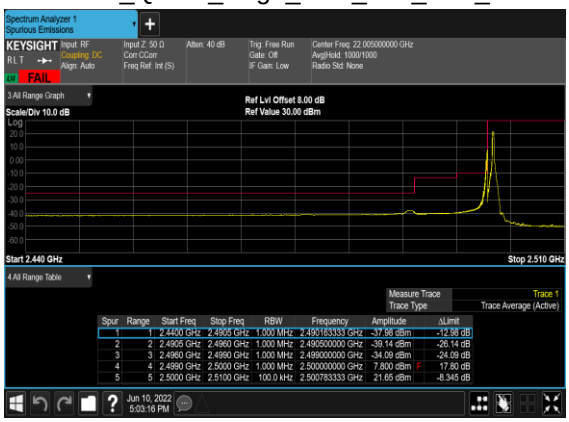
B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



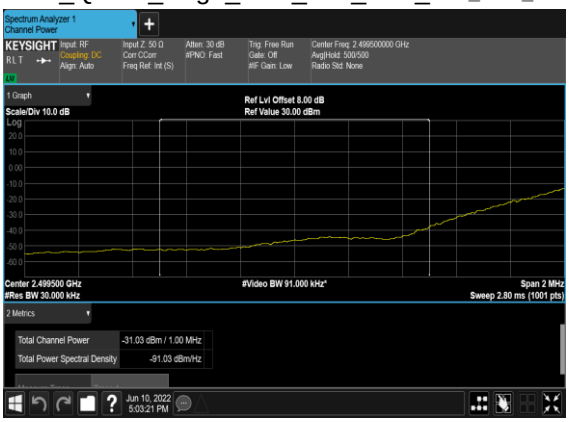
B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



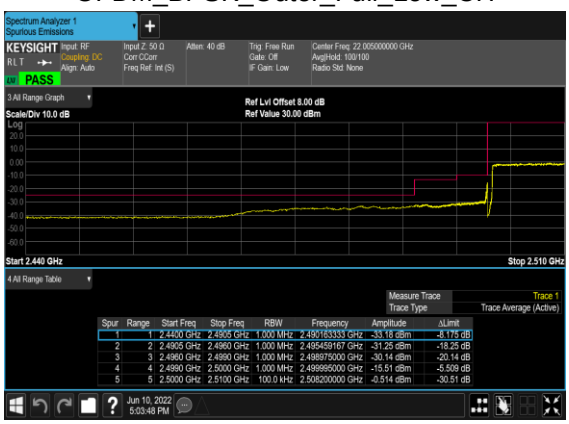
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



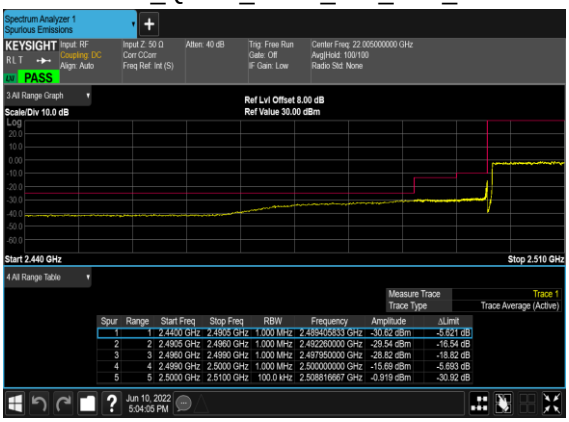
B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



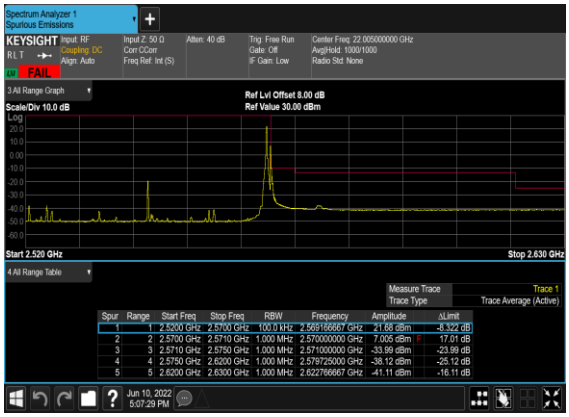
B66_N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



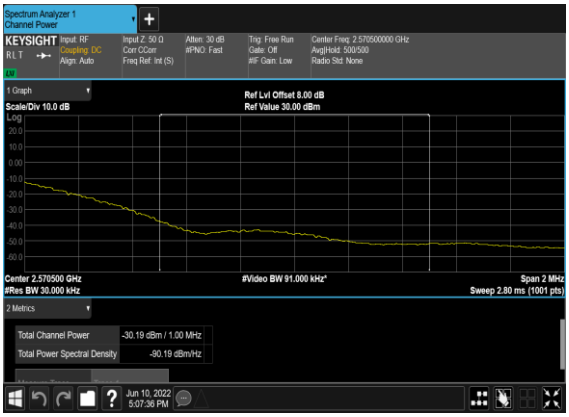
B66_N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



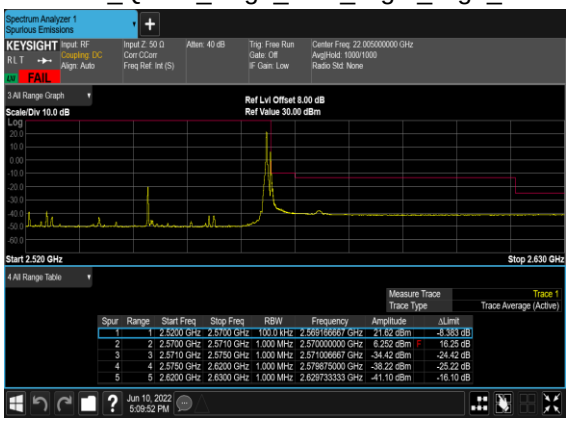
B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B66_N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

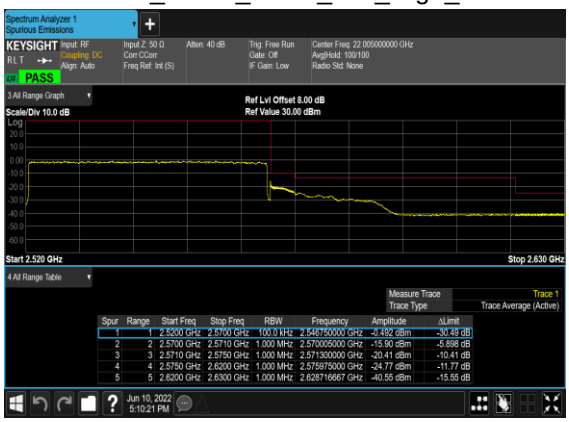


B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

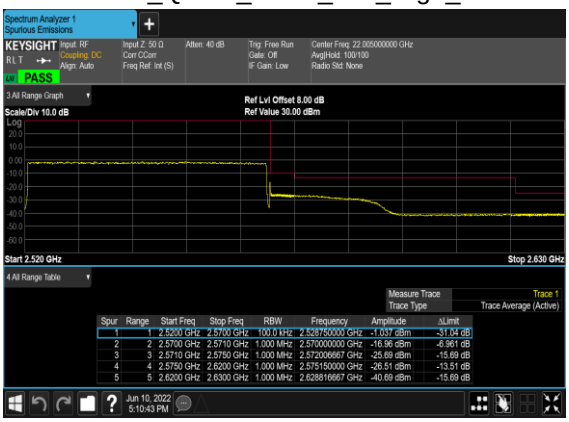


B66_N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

B66_N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B66_N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.05.231801

FR1 N38 (ANT1) for SCS 15KHz

Transmitter Conducted Output Power And ERP, (G_T-L_C)=-1.6dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@1	24.33	22.73	0.1875
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@1	23.52	21.92	0.1556
38	15	5	519000	2595	DFT-s-OFDM QPSK	1@1	24.21	22.61	0.1824
38	15	5	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.58	21.98	0.1578
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@1	24.36	22.76	0.1888
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@1	24.44	22.84	0.1923
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@1	24.62	23.02	0.2004
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	23.92	22.32	0.1706
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@1	24.53	22.93	0.1963
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.86	22.26	0.1683
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@1	24.43	22.83	0.1919
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	23.78	22.18	0.1652
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	24.6	23	0.1995
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	23.92	22.32	0.1706
38	15	15	519000	2595	DFT-s-OFDM QPSK	1@1	24.62	23.02	0.2004
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.93	22.33	0.1710
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	24.48	22.88	0.1941
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	23.74	22.14	0.1637
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@1	24.35	22.75	0.1884
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	23.95	22.35	0.1718
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@1	24.64	23.04	0.2014
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.94	22.34	0.1714
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@1	24.43	22.83	0.1919
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	23.73	22.13	0.1633
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	23.89	22.29	0.1694
38	15	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	23.12	21.52	0.1419
38	15	25	519000	2595	DFT-s-OFDM QPSK	1@1	23.93	22.33	0.1710
38	15	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.04	21.44	0.1393

38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	23.75	22.15	0.1641
38	15	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	22.95	21.35	0.1365
38	15	30	517000	2585	DFT-s-OFDM QPSK	1@1	24.67	23.07	0.2028
38	15	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	23.89	22.29	0.1694
38	15	30	519000	2595	DFT-s-OFDM QPSK	1@1	24.59	22.99	0.1991
38	15	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.88	22.28	0.1690
38	15	30	521000	2605	DFT-s-OFDM QPSK	1@1	24.52	22.92	0.1959
38	15	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	23.83	22.23	0.1671
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	108@54	24.49	22.89	0.1945
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	24.68	23.08	0.2032
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@214	24.52	22.92	0.1959
38	15	40	518000	2590	DFT-s-OFDM QPSK	108@54	24.54	22.94	0.1968
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@1	24.58	22.98	0.1986
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@214	24.54	22.94	0.1968
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	108@54	23.62	22.02	0.1592
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	23.8	22.2	0.1660
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@214	23.75	22.15	0.1641
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	108@54	22.17	20.57	0.1140
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	22.36	20.76	0.1191
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@214	22.39	20.79	0.1199
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	108@54	20.15	18.55	0.0716
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	20.24	18.64	0.0731
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@214	20.33	18.73	0.0746
38	15	40	518000	2590	CP-OFDM QPSK	108@54	23.13	21.53	0.1422
38	15	40	518000	2590	CP-OFDM QPSK	1@1	23.11	21.51	0.1416
38	15	40	518000	2590	CP-OFDM QPSK	1@214	23.05	21.45	0.1396
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	108@54	24.49	22.89	0.1945
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	24.62	23.02	0.2004
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@214	24.59	22.99	0.1991
38	15	40	519000	2595	DFT-s-OFDM QPSK	108@54	24.54	22.94	0.1968
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@1	24.64	23.04	0.2014
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@214	24.6	23	0.1995
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	108@54	23.62	22.02	0.1592
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.81	22.21	0.1663

38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@214	23.81	22.21	0.1663
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	108@54	22.16	20.56	0.1138
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	22.43	20.83	0.1211
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@214	22.39	20.79	0.1199
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	108@54	20.18	18.58	0.0721
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	20.14	18.54	0.0714
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@214	20.13	18.53	0.0713
38	15	40	519000	2595	CP-OFDM QPSK	108@54	23.17	21.57	0.1435
38	15	40	519000	2595	CP-OFDM QPSK	1@1	23.11	21.51	0.1416
38	15	40	519000	2595	CP-OFDM QPSK	1@214	23.03	21.43	0.1390
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	108@54	24.51	22.91	0.1954
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	24.55	22.95	0.1972
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@214	24.63	23.03	0.2009
38	15	40	520000	2600	DFT-s-OFDM QPSK	108@54	24.51	22.91	0.1954
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@1	24.58	22.98	0.1986
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@214	24.67	23.07	0.2028
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	108@54	23.63	22.03	0.1596
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	23.83	22.23	0.1671
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@214	23.86	22.26	0.1683
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	108@54	22.13	20.53	0.1130
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	22.43	20.83	0.1211
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@214	22.52	20.92	0.1236
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	108@54	20.15	18.55	0.0716
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	20.32	18.72	0.0745
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@214	20.43	18.83	0.0764
38	15	40	520000	2600	CP-OFDM QPSK	108@54	23.15	21.55	0.1429
38	15	40	520000	2600	CP-OFDM QPSK	1@1	23.15	21.55	0.1429
38	15	40	520000	2600	CP-OFDM QPSK	1@214	23.17	21.57	0.1435

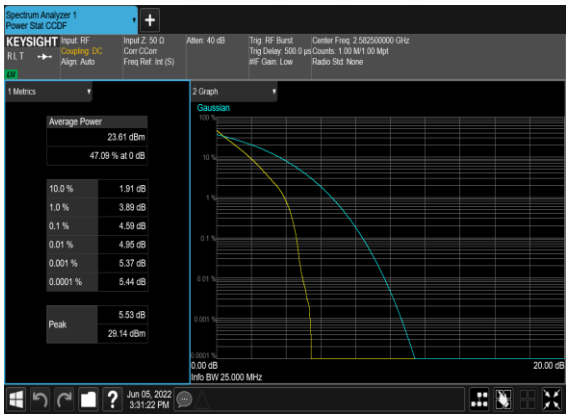
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00216	**PASS**	NV
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00678	**PASS**	LV
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00468	**PASS**	HV
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00468	**PASS**	-30℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00215	**PASS**	-20℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00361	**PASS**	-10℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00461	**PASS**	0℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00693	**PASS**	10℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00397	**PASS**	20℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00214	**PASS**	30℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00584	**PASS**	40℃
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	0.00415	**PASS**	50℃

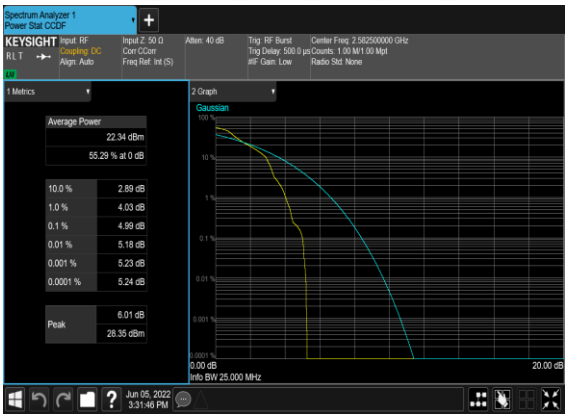
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	15	25	516500	2582.5	DFT-s-OFDM PI/2 BPSK	128@0	4.59	13	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM PI/2 BPSK	1@0	4.99	13	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	128@0	5.68	13	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	5.94	13	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	128@0	4.57	13	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	1@0	4.06	13	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	5.69	13	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	5.8	13	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM PI/2 BPSK	128@0	4.52	13	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM PI/2 BPSK	1@0	4.7	13	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	128@0	5.61	13	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	5.61	13	**PASS**

N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

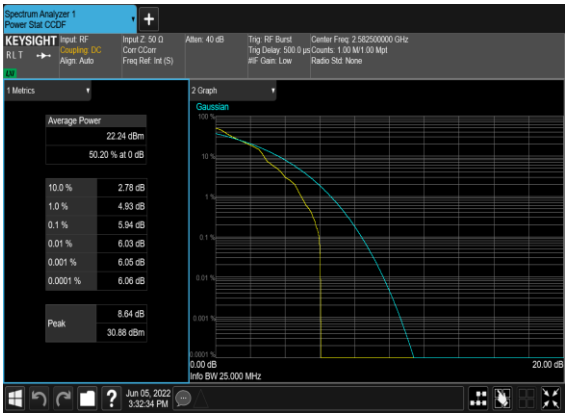


N38(25M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH

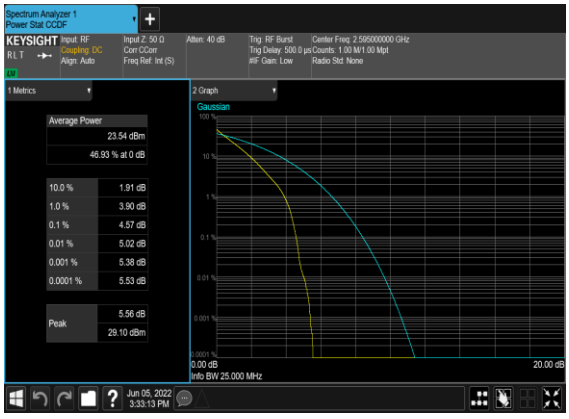


N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

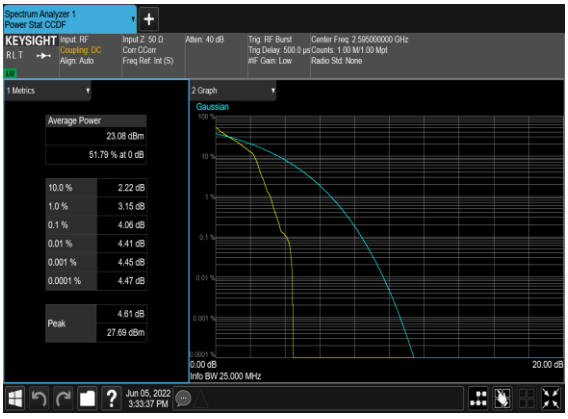
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

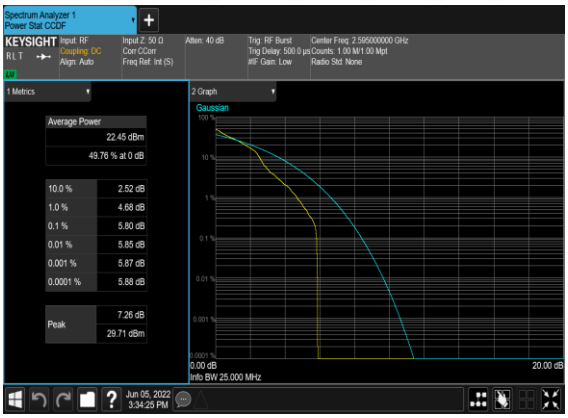


N38(25M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

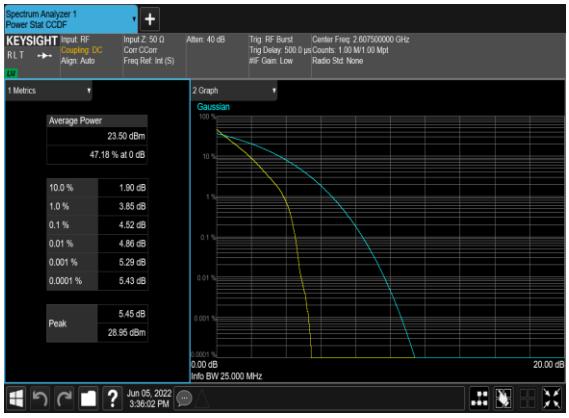


N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

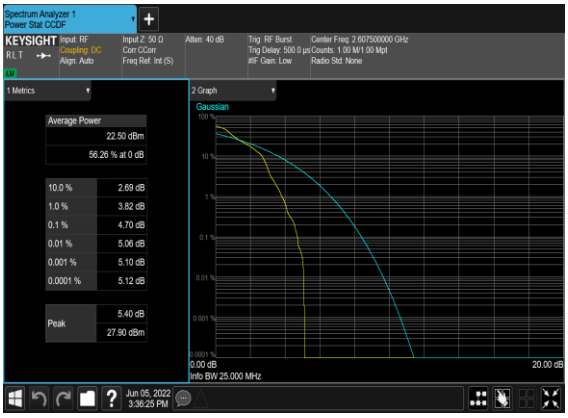
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



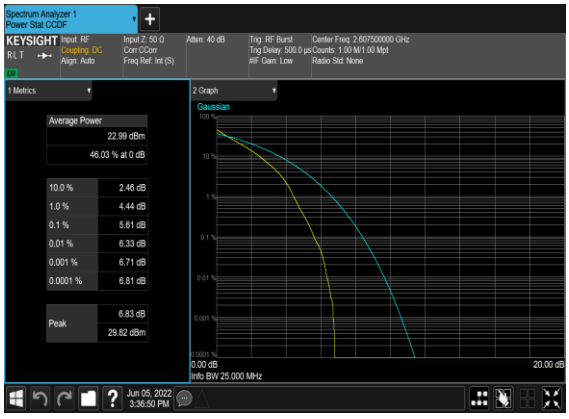
N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



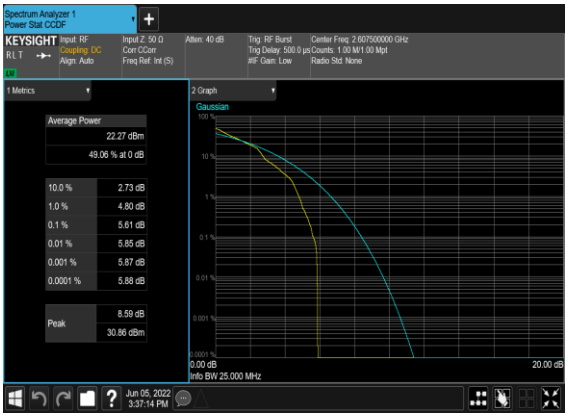
N38(25M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



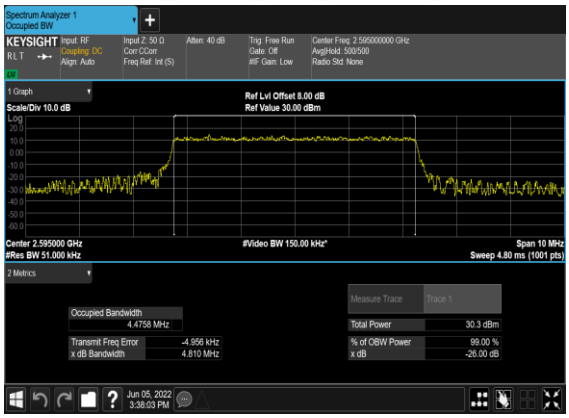
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



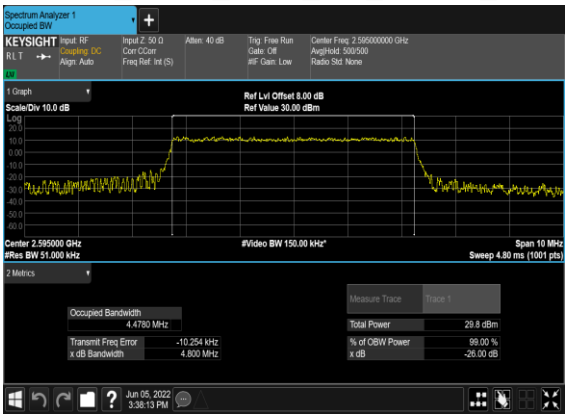
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
38	15	5	519000	2595.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4758	4.81
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	4.478	4.8
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	4.4597	4.895
38	15	5	519000	2595.0	CP-OFDM 16 QAM	25@0	4.4562	4.787
38	15	5	519000	2595.0	CP-OFDM 64 QAM	25@0	4.4664	4.748
38	15	5	519000	2595.0	CP-OFDM 256 QAM	25@0	4.4683	4.977
38	15	25	519000	2595.0	DFT-s-OFDM PI/2 BPSK	128@0	22.836	23.65
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	128@0	22.845	23.64
38	15	25	519000	2595.0	CP-OFDM QPSK	133@0	23.716	24.65
38	15	25	519000	2595.0	CP-OFDM 16 QAM	133@0	23.707	24.54
38	15	25	519000	2595.0	CP-OFDM 64 QAM	133@0	23.71	24.51
38	15	25	519000	2595.0	CP-OFDM 256 QAM	133@0	23.684	24.58

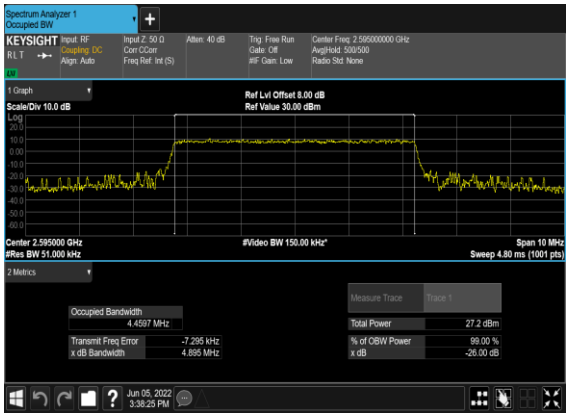
N38(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_519000_CH



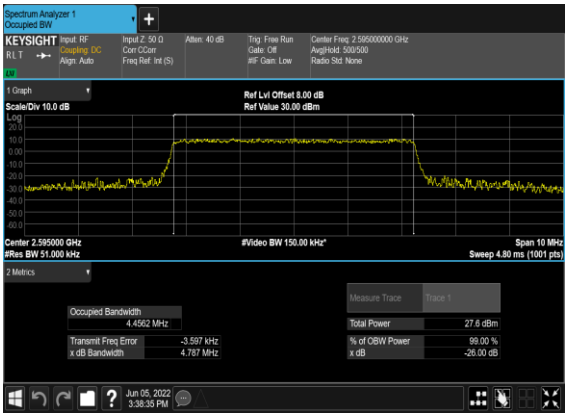
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_519000_CH



N38(5M)_CP-OFDM_QPSK_Outer_Full_519000_CH



N38(5M)_CP-OFDM_16 QAM_Outer_Full_519000_CH

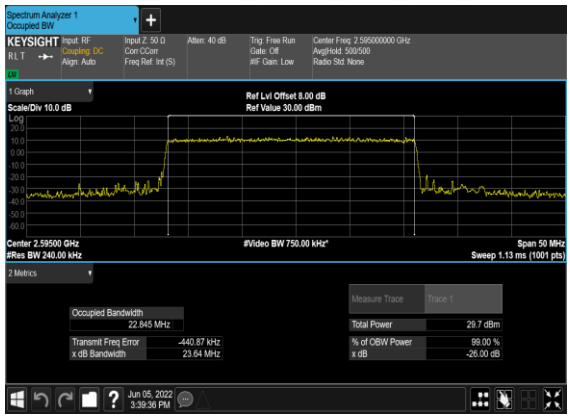


N38(5M)_CP-OFDM_64 QAM_Outer_Full_519000_CH

N38(5M)_CP-OFDM_256 QAM_Outer_Full_519000_CH

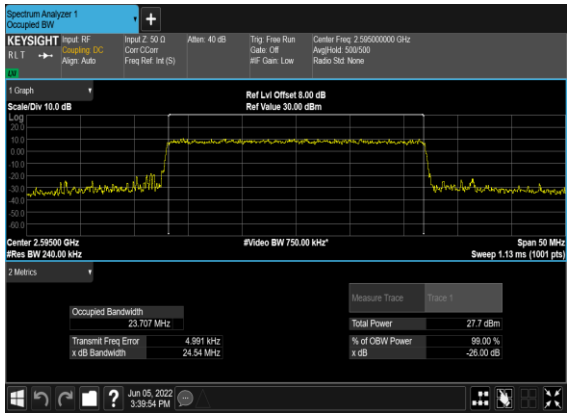
N38(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

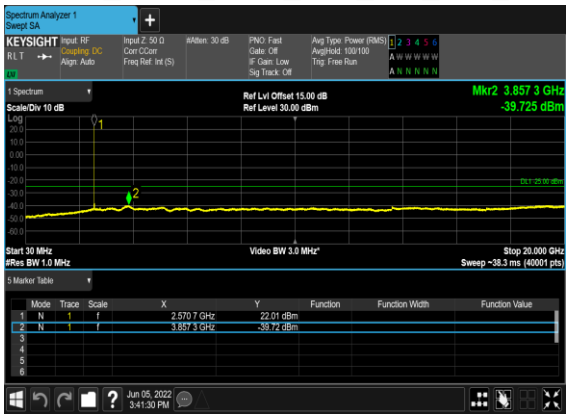
N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

Conducted Spurious Emissions

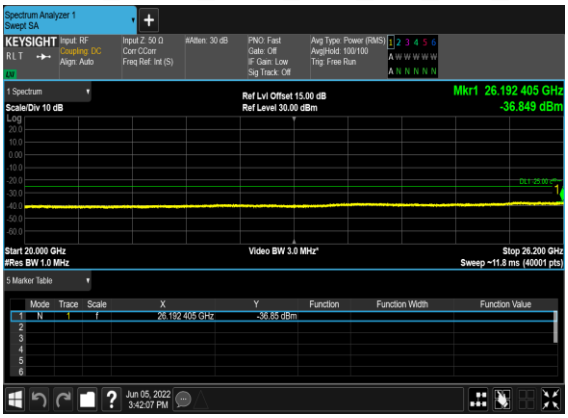
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**---**

38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

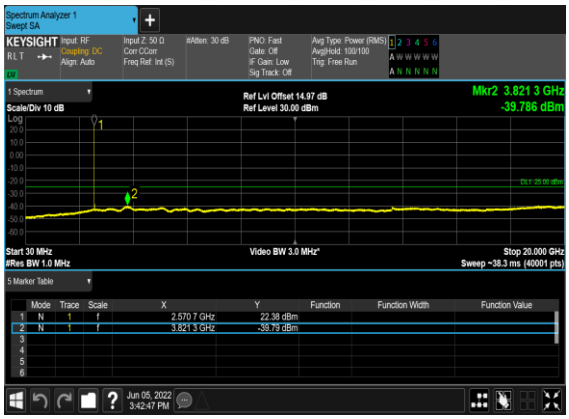
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



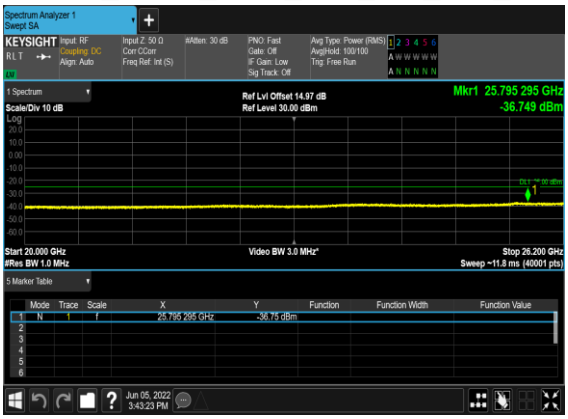
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



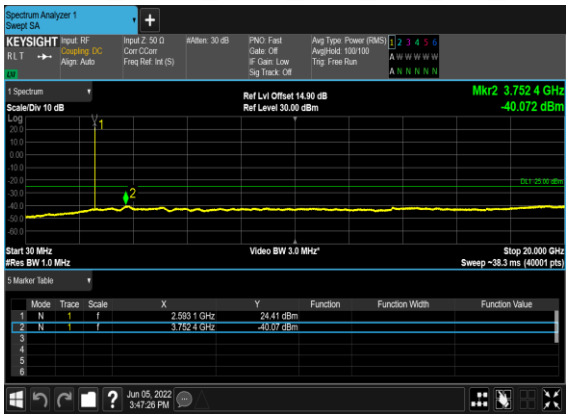
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



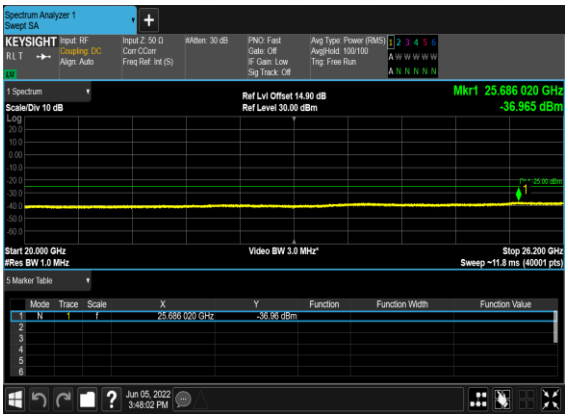
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



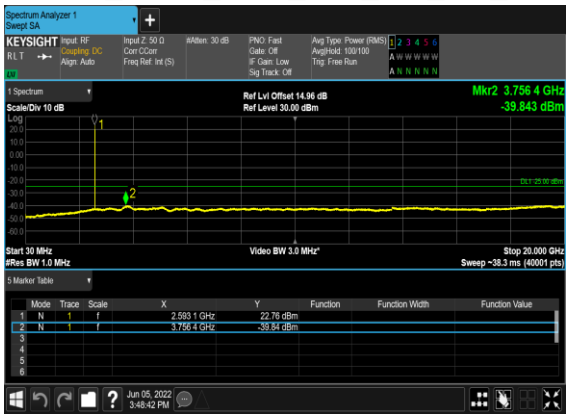
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



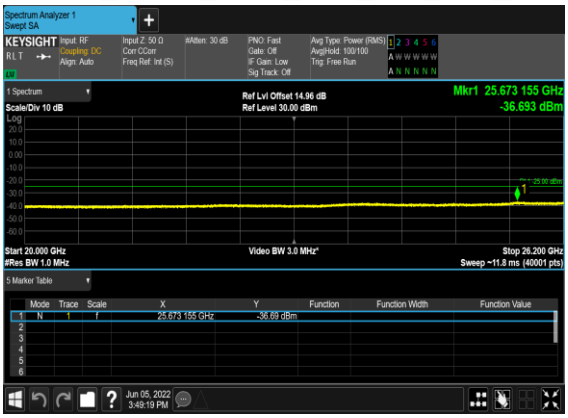
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



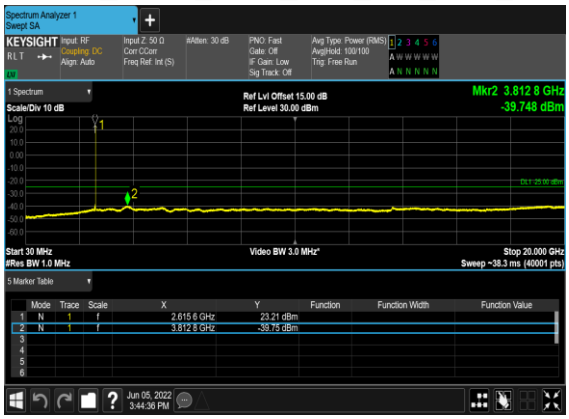
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



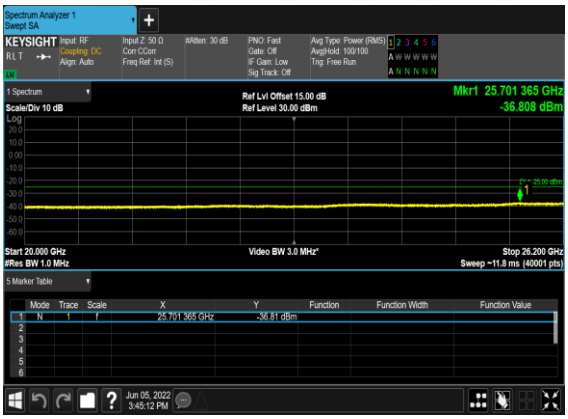
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_ Mid_CH



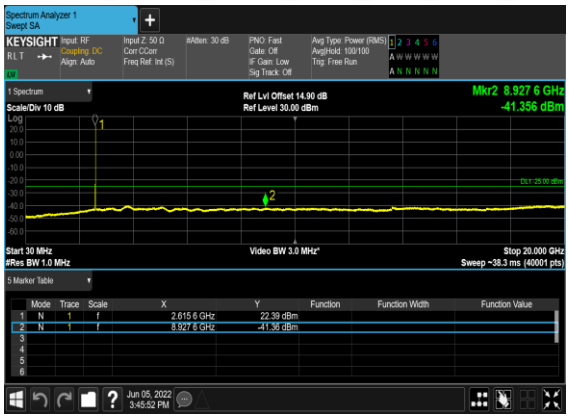
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



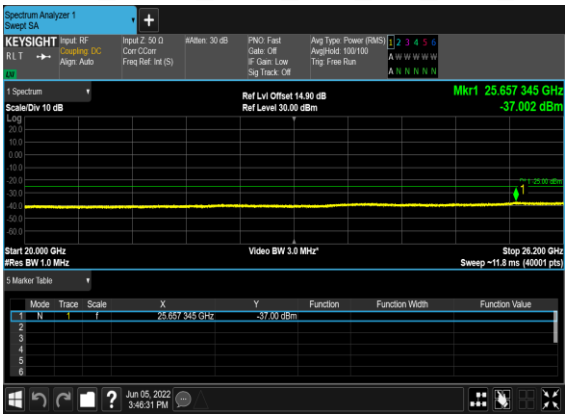
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



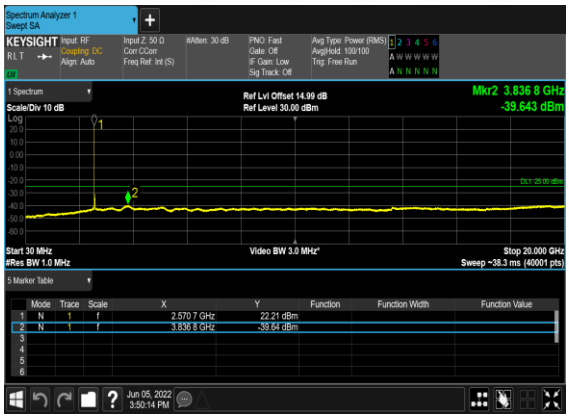
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



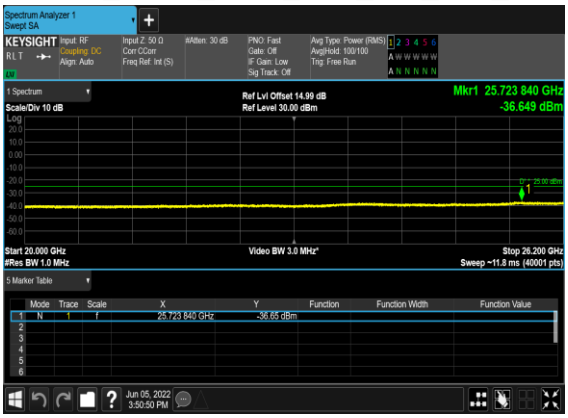
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



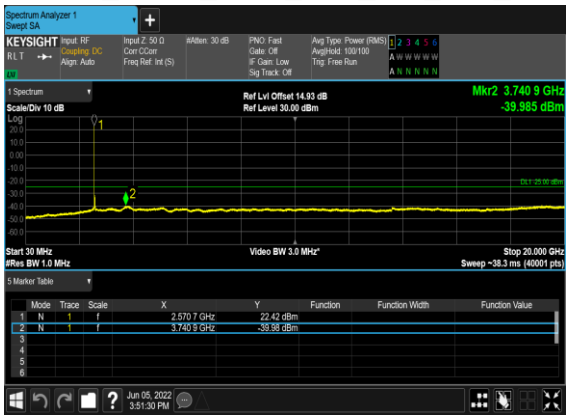
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



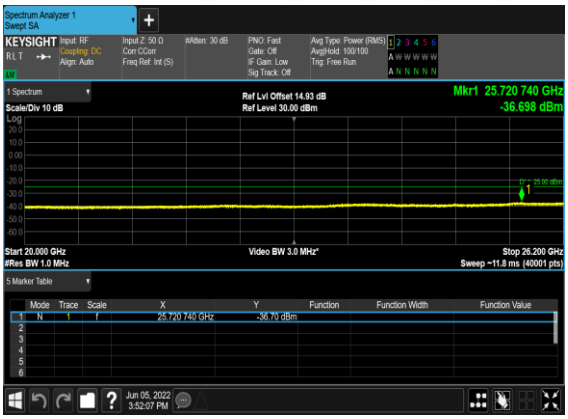
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



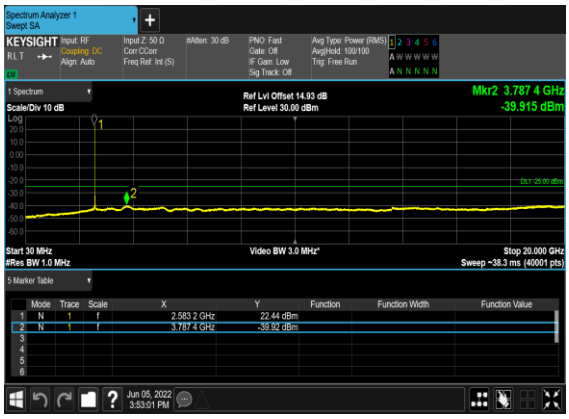
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



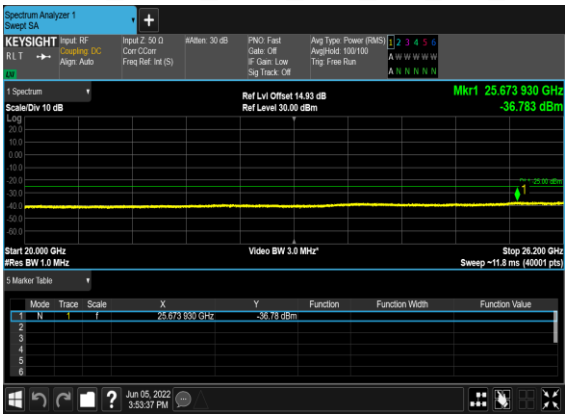
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



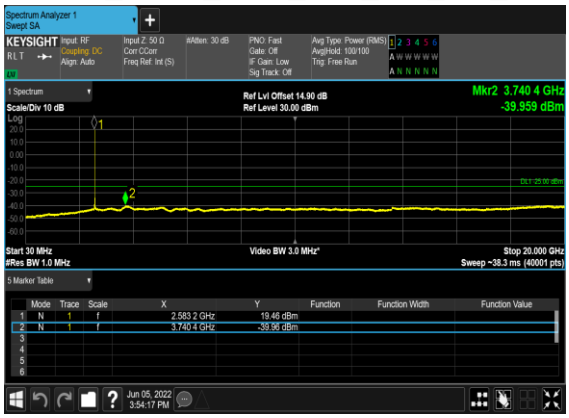
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



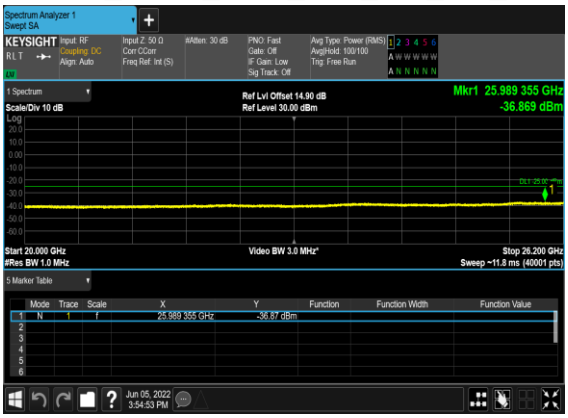
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



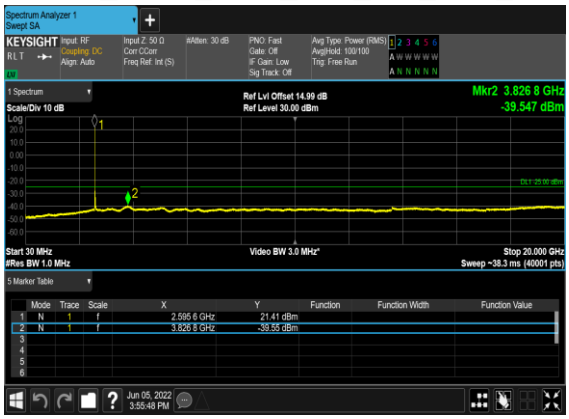
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



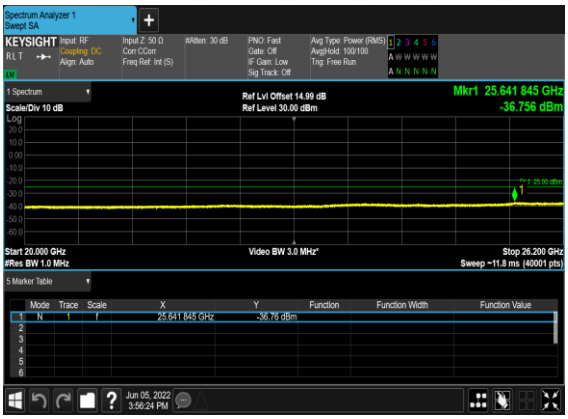
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



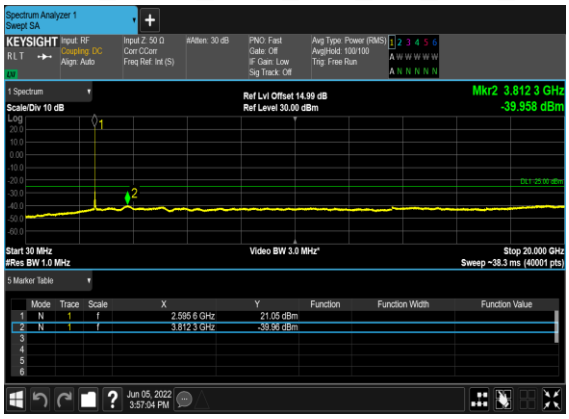
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



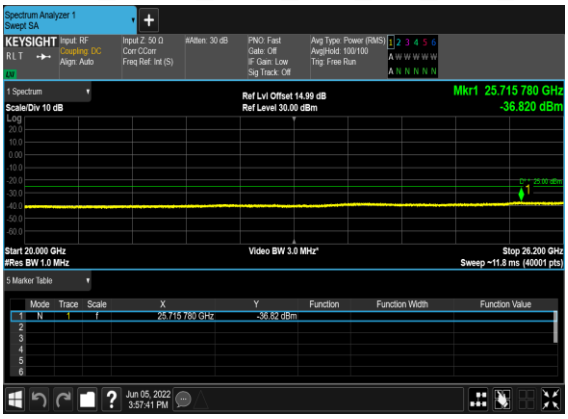
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



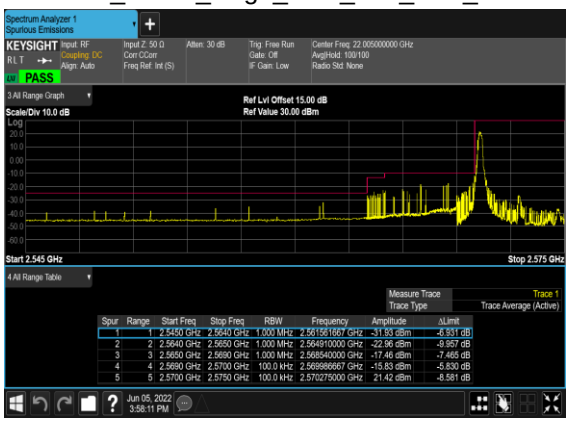
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



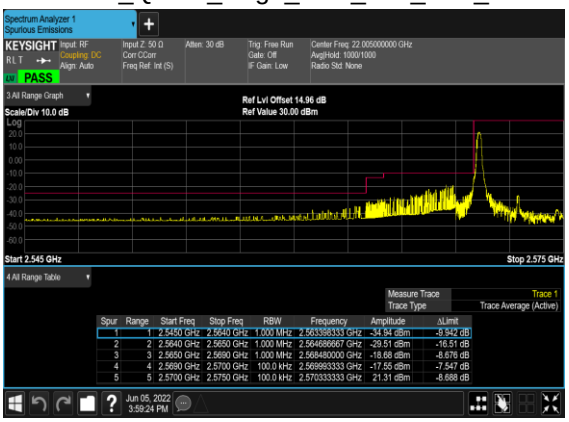
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	128@0	see graph	**PASS**

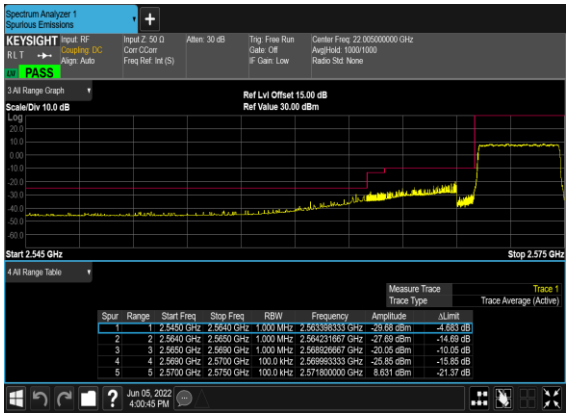
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



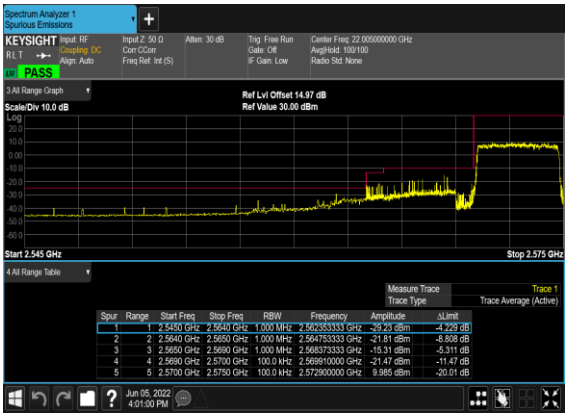
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

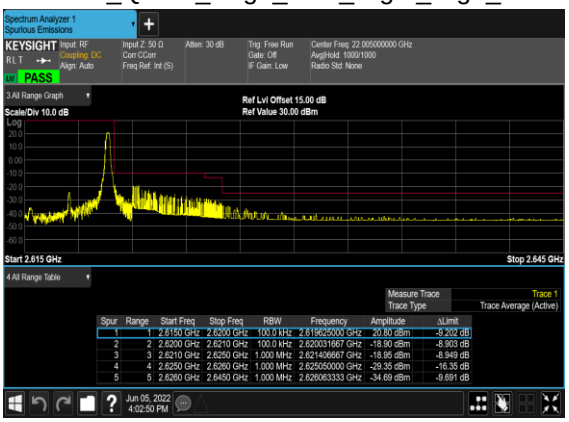


N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

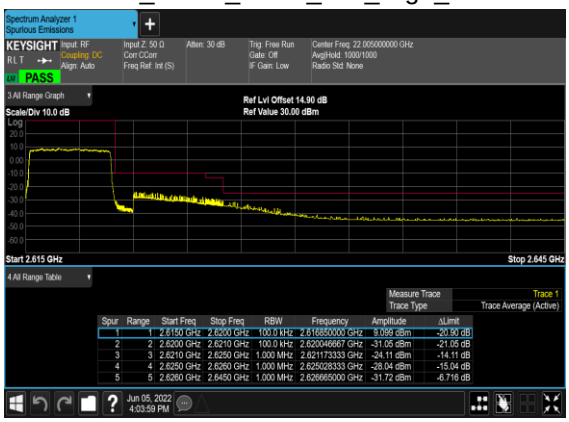


N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

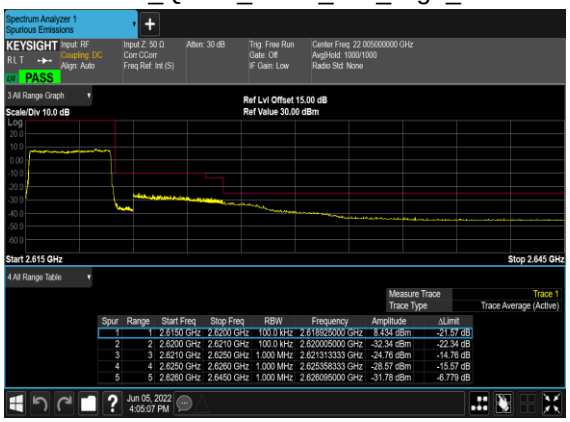
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



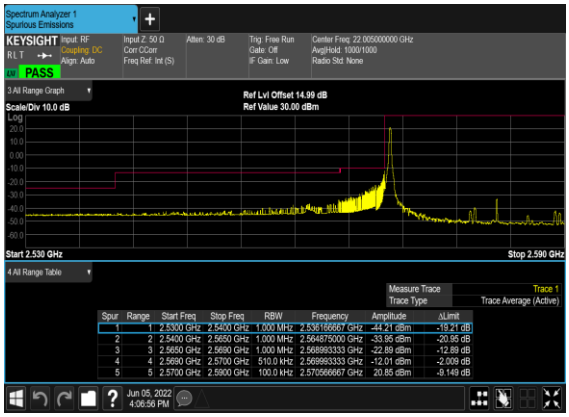
N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

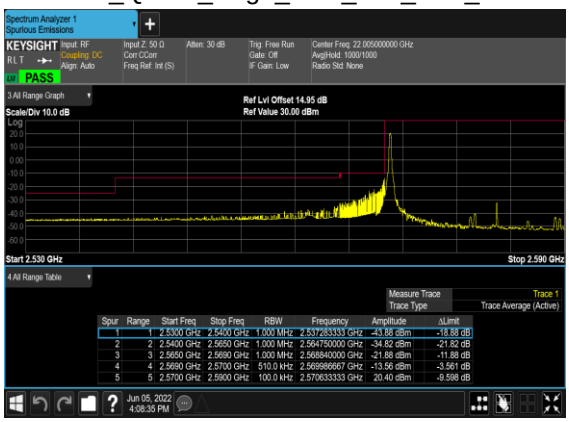


N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

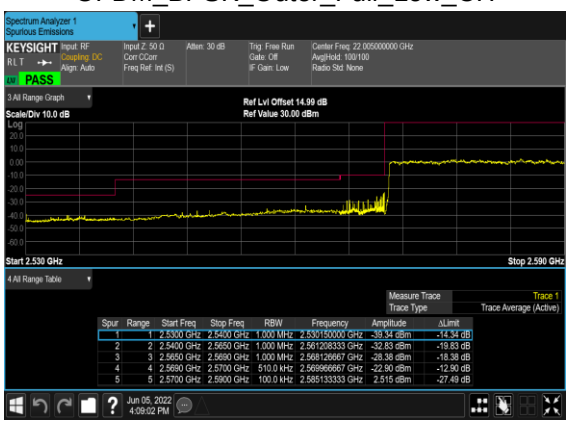


N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**

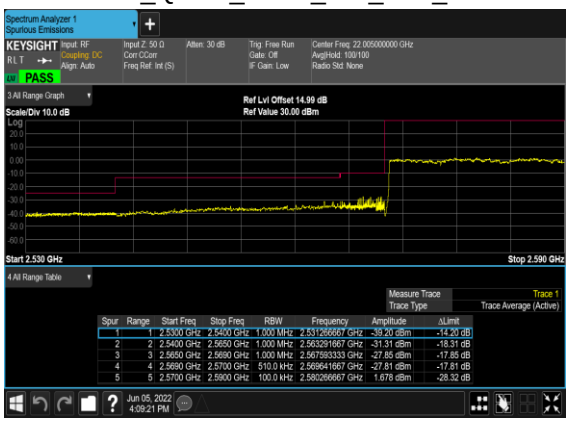
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



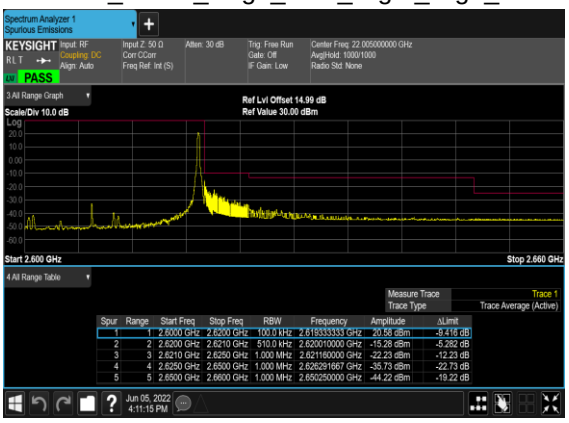
N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



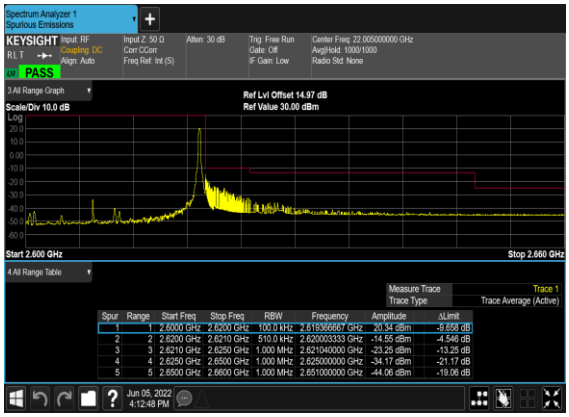
N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



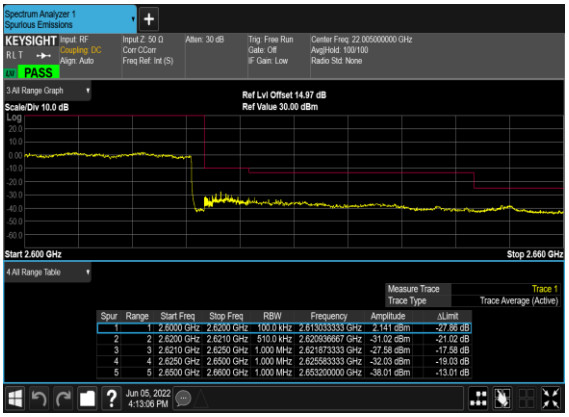
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



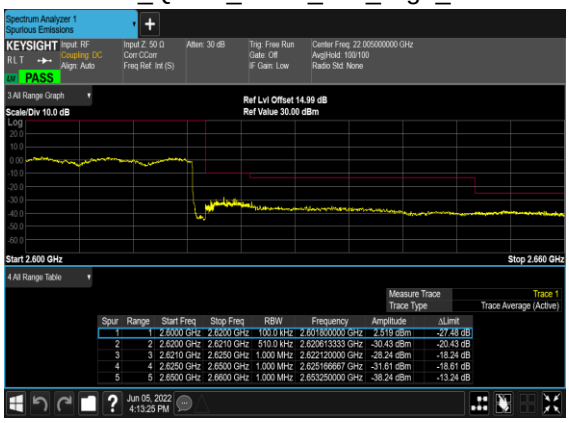
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.05.231801

FR1 N41 (ANT1) for SCS 15KHz

Transmitter Conducted Output Power And ERP, (G_T-L_C)=-1.6dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	23.57	21.97	0.1574
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	22.93	21.33	0.1358
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.56	21.96	0.1570
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.88	21.28	0.1343
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	23.94	22.34	0.1714
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	23.28	21.68	0.1472
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	23.64	22.04	0.1600
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	22.98	21.38	0.1374
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.68	22.08	0.1614
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.94	21.34	0.1361
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@1	23.96	22.36	0.1722
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@1	23.22	21.62	0.1452
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@1	23.71	22.11	0.1626
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@1	23.04	21.44	0.1393
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.65	22.05	0.1603
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.99	21.39	0.1377
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	23.83	22.23	0.1671
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	23.12	21.52	0.1419
41	15	30	502200	2511	DFT-s-OFDM QPSK	1@1	23.89	22.29	0.1694
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	23.02	21.42	0.1387
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.82	22.22	0.1667
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.91	21.31	0.1352
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	1@1	23.72	22.12	0.1629
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	1@1	22.85	21.25	0.1334
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	23.9	22.3	0.1698
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	23.03	21.43	0.1390
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.75	22.15	0.1641
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.84	21.24	0.1330

41	15	40	534000	2670	DFT-s-OFDM QPSK	1@1	23.55	21.95	0.1567
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	22.68	21.08	0.1282
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	135@67	23.85	22.25	0.1679
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@1	23.92	22.32	0.1706
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@268	23.91	22.31	0.1702
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	135@67	23.81	22.21	0.1663
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@1	23.94	22.34	0.1714
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@268	23.85	22.25	0.1679
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	135@67	22.86	21.26	0.1337
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@1	23.01	21.41	0.1384
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@268	22.95	21.35	0.1365
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	135@67	21.4	19.8	0.0955
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@1	21.54	19.94	0.0986
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@268	21.45	19.85	0.0966
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	135@67	19.38	17.78	0.0600
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@1	19.38	17.78	0.0600
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@268	19.29	17.69	0.0587
41	15	50	504201	2521.005	CP-OFDM QPSK	135@67	22.34	20.74	0.1186
41	15	50	504201	2521.005	CP-OFDM QPSK	1@1	22.42	20.82	0.1208
41	15	50	504201	2521.005	CP-OFDM QPSK	1@268	22.37	20.77	0.1194
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	23.89	22.29	0.1694
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	23.8	22.2	0.1660
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@268	23.93	22.33	0.1710
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	135@67	23.91	22.31	0.1702
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.79	22.19	0.1656
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@268	23.93	22.33	0.1710
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	135@67	22.88	21.28	0.1343
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.9	21.3	0.1349
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@268	23.02	21.42	0.1387
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	135@67	21.4	19.8	0.0955
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	21.31	19.71	0.0935
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@268	21.5	19.9	0.0977
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	135@67	19.41	17.81	0.0604
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	19.04	17.44	0.0555

41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@268	19.26	17.66	0.0583
41	15	50	518601	2593.005	CP-OFDM QPSK	135@67	22.43	20.83	0.1211
41	15	50	518601	2593.005	CP-OFDM QPSK	1@1	22.26	20.66	0.1164
41	15	50	518601	2593.005	CP-OFDM QPSK	1@268	22.41	20.81	0.1205
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	135@67	23.96	22.36	0.1722
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	23.53	21.93	0.1560
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@268	24.35	22.75	0.1884
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	135@67	23.98	22.38	0.1730
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	23.52	21.92	0.1556
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@268	24.48	22.88	0.1941
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	135@67	22.93	21.33	0.1358
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	22.67	21.07	0.1279
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@268	23.5	21.9	0.1549
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	135@67	21.48	19.88	0.0973
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	21.09	19.49	0.0889
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@268	21.97	20.37	0.1089
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	135@67	19.52	17.92	0.0619
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	18.84	17.24	0.0530
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@268	19.69	18.09	0.0644
41	15	50	532998	2664.99	CP-OFDM QPSK	135@67	22.48	20.88	0.1225
41	15	50	532998	2664.99	CP-OFDM QPSK	1@1	21.87	20.27	0.1064
41	15	50	532998	2664.99	CP-OFDM QPSK	1@268	22.7	21.1	0.1288

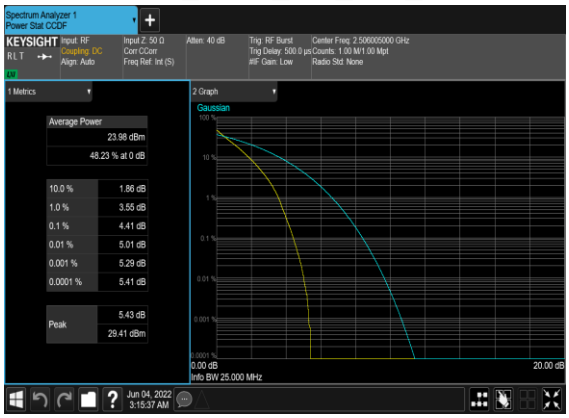
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00393	**PASS**	NV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00535	**PASS**	LV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00344	**PASS**	HV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00251	**PASS**	-30℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00665	**PASS**	-20℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00463	**PASS**	-10℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00059	**PASS**	0℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00678	**PASS**	10℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00387	**PASS**	20℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00376	**PASS**	30℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00212	**PASS**	40℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00577	**PASS**	50℃

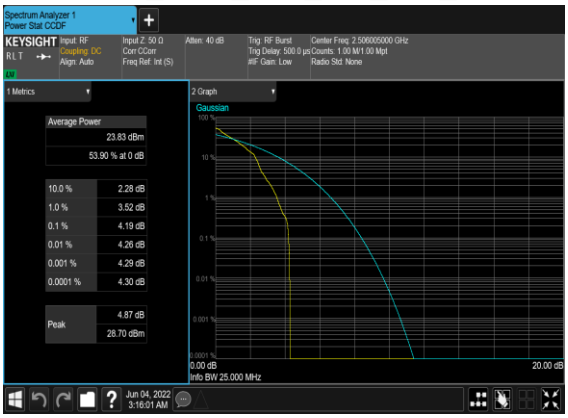
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	100@0	4.41	13	**PASS**
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@0	4.19	13	**PASS**
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	100@0	5.61	13	**PASS**
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	5.14	13	**PASS**
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	100@0	4.39	13	**PASS**
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@0	4.73	13	**PASS**
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	5.63	13	**PASS**
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	5.25	13	**PASS**
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	100@0	4.29	13	**PASS**
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@0	4.52	13	**PASS**
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	100@0	5.48	13	**PASS**
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	5.22	13	**PASS**

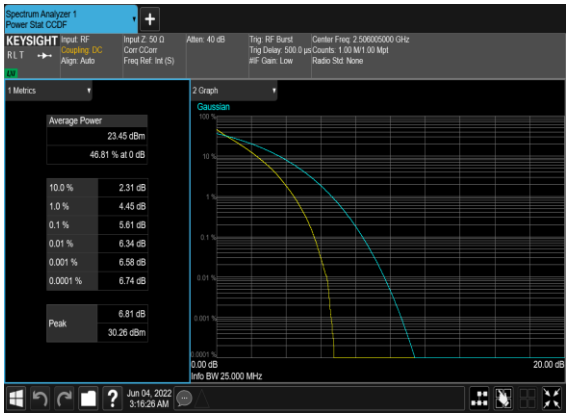
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



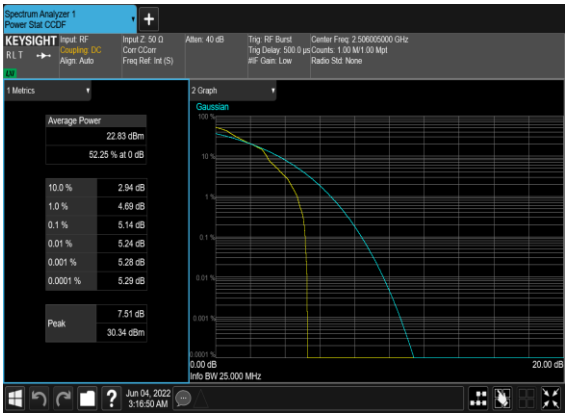
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



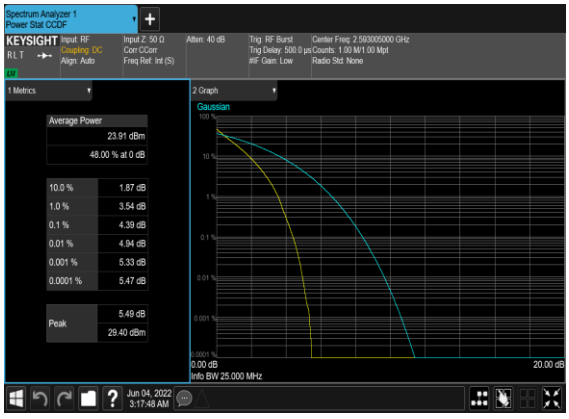
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



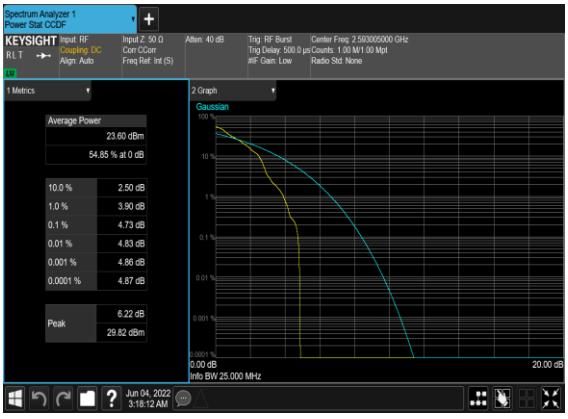
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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

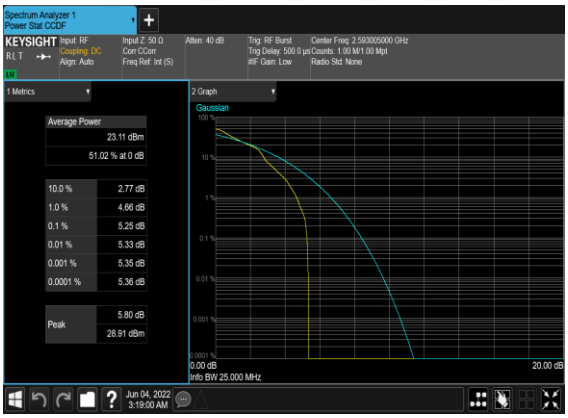


N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

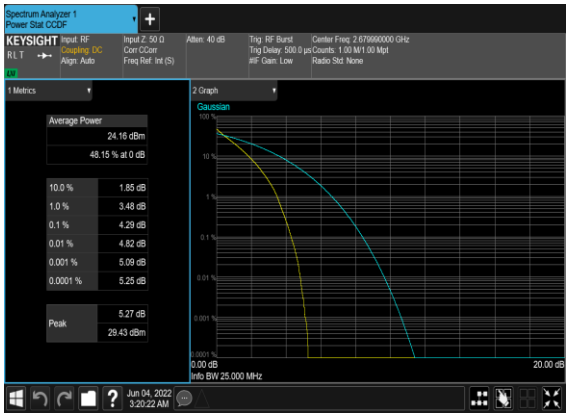


N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

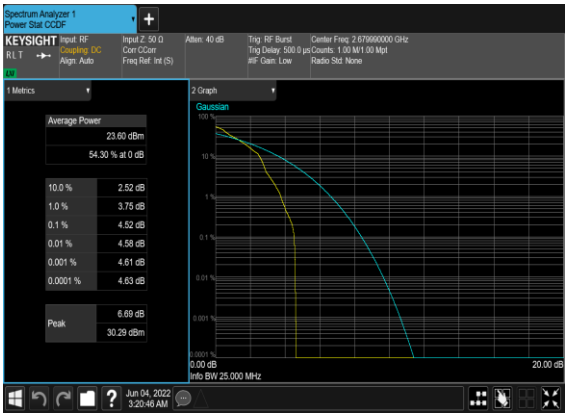
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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

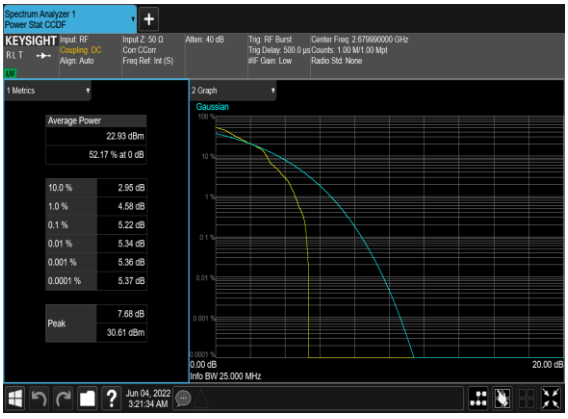


N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N41(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)
41	15	10	518601	2593.01	DFT-s-OFDM PI/2 BPSK	50@0	8.8846	9.446
41	15	10	518601	2593.01	DFT-s-OFDM QPSK	50@0	8.897	9.554
41	15	10	518601	2593.01	CP-OFDM QPSK	52@0	9.2903	9.951
41	15	10	518601	2593.01	CP-OFDM 16 QAM	52@0	9.271	9.675
41	15	10	518601	2593.01	CP-OFDM 64 QAM	52@0	9.3019	9.861
41	15	10	518601	2593.01	CP-OFDM 256 QAM	52@0	9.272	9.73
41	15	15	518601	2593.01	DFT-s-OFDM PI/2 BPSK	75@0	13.377	13.97
41	15	15	518601	2593.01	DFT-s-OFDM QPSK	75@0	13.367	13.89
41	15	15	518601	2593.01	CP-OFDM QPSK	79@0	14.108	14.7
41	15	15	518601	2593.01	CP-OFDM 16 QAM	79@0	14.105	14.69
41	15	15	518601	2593.01	CP-OFDM 64 QAM	79@0	14.091	14.92
41	15	15	518601	2593.01	CP-OFDM 256 QAM	79@0	14.158	14.72
41	15	20	518601	2593.01	DFT-s-OFDM PI/2 BPSK	100@0	17.874	18.68
41	15	20	518601	2593.01	DFT-s-OFDM QPSK	100@0	17.856	18.77
41	15	20	518601	2593.01	CP-OFDM QPSK	106@0	18.88	19.75
41	15	20	518601	2593.01	CP-OFDM 16 QAM	106@0	18.887	19.76
41	15	20	518601	2593.01	CP-OFDM 64 QAM	106@0	18.885	19.61
41	15	20	518601	2593.01	CP-OFDM 256 QAM	106@0	18.906	20.07
41	15	30	518601	2593.01	DFT-s-OFDM PI/2 BPSK	160@0	28.598	29.62
41	15	30	518601	2593.01	DFT-s-OFDM QPSK	160@0	28.559	29.66
41	15	30	518601	2593.01	CP-OFDM QPSK	160@0	28.528	29.53
41	15	30	518601	2593.01	CP-OFDM 16 QAM	160@0	28.623	29.57
41	15	30	518601	2593.01	CP-OFDM 64 QAM	160@0	28.566	29.55
41	15	30	518601	2593.01	CP-OFDM 256 QAM	160@0	28.568	29.75

41	15	40	518601	2593.01	DFT-s-OFDM PI/2 BPSK	216@0	38.55	40.06
41	15	40	518601	2593.01	DFT-s-OFDM QPSK	216@0	38.53	39.93
41	15	40	518601	2593.01	CP-OFDM QPSK	216@0	38.579	39.9
41	15	40	518601	2593.01	CP-OFDM 16 QAM	216@0	38.528	40.02
41	15	40	518601	2593.01	CP-OFDM 64 QAM	216@0	38.565	39.93
41	15	40	518601	2593.01	CP-OFDM 256 QAM	216@0	38.479	39.96
41	15	50	518601	2593.01	DFT-s-OFDM PI/2 BPSK	270@0	48.161	49.84
41	15	50	518601	2593.01	DFT-s-OFDM QPSK	270@0	48.134	50.46
41	15	50	518601	2593.01	CP-OFDM QPSK	270@0	48.146	49.8
41	15	50	518601	2593.01	CP-OFDM 16 QAM	270@0	48.157	49.85
41	15	50	518601	2593.01	CP-OFDM 64 QAM	270@0	48.094	49.76
41	15	50	518601	2593.01	CP-OFDM 256 QAM	270@0	48.14	49.77