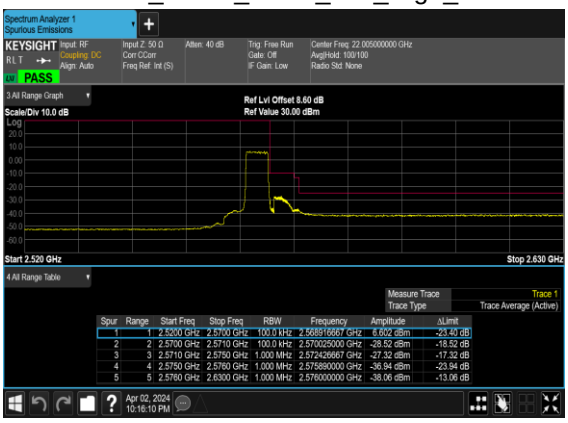
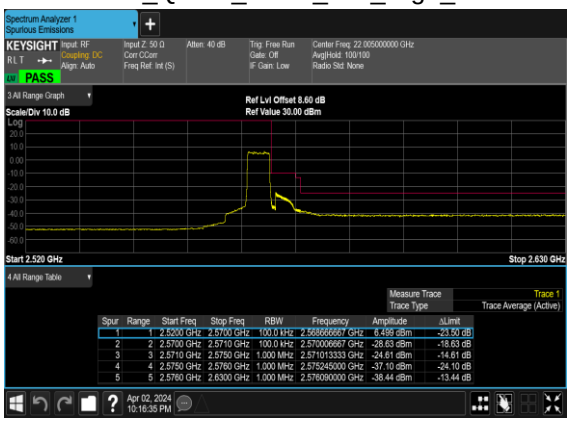
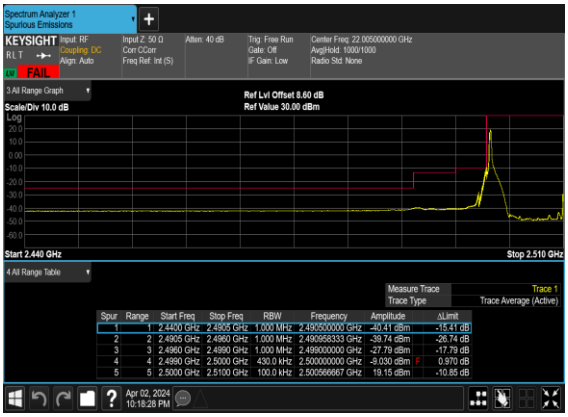
N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



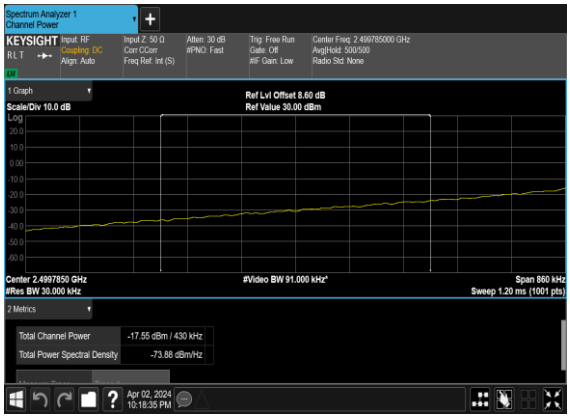
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



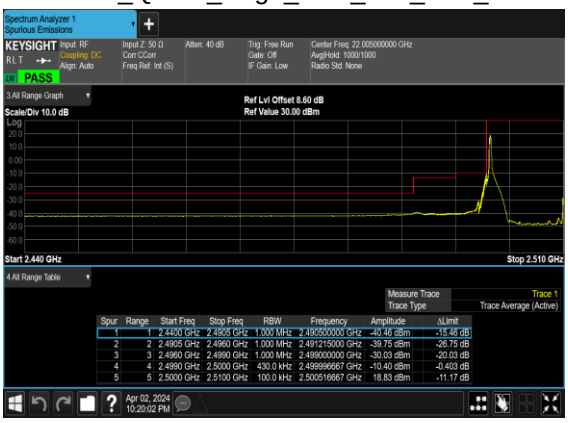
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



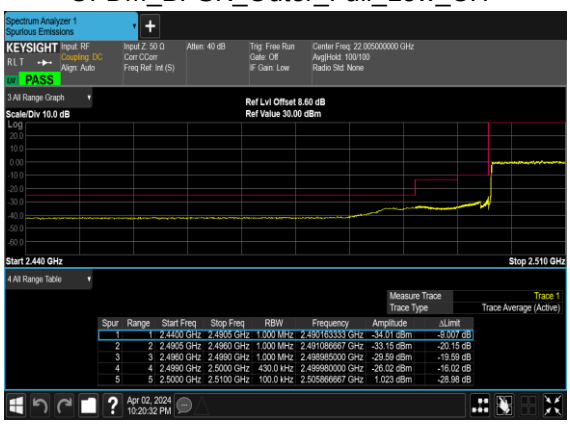
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



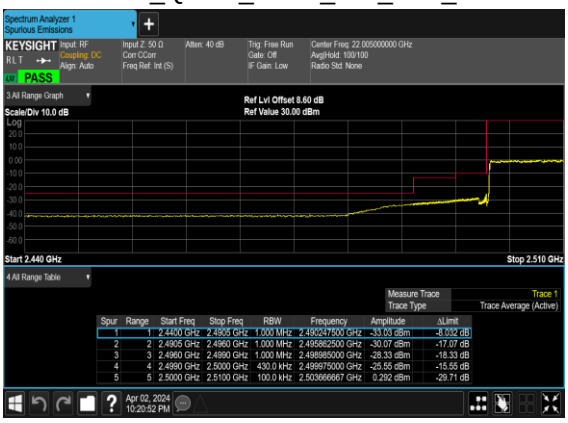
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



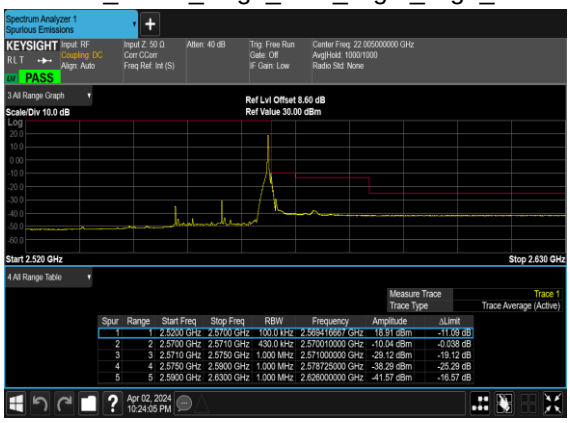
N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



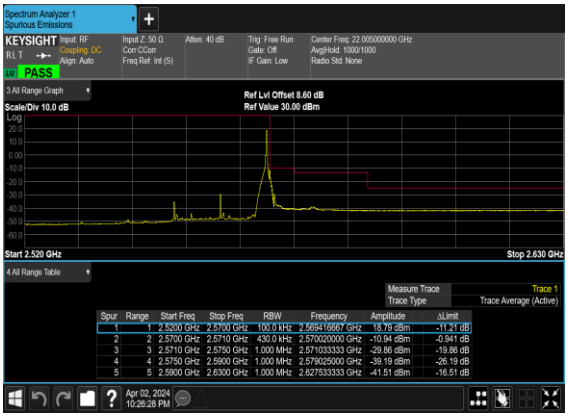
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



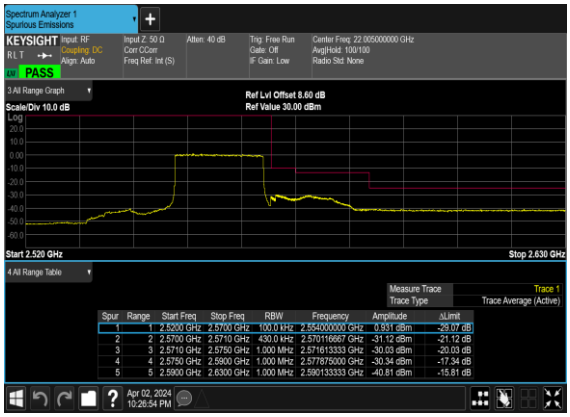
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



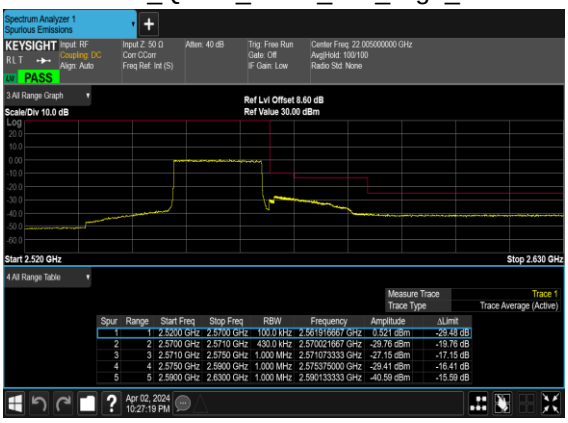
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



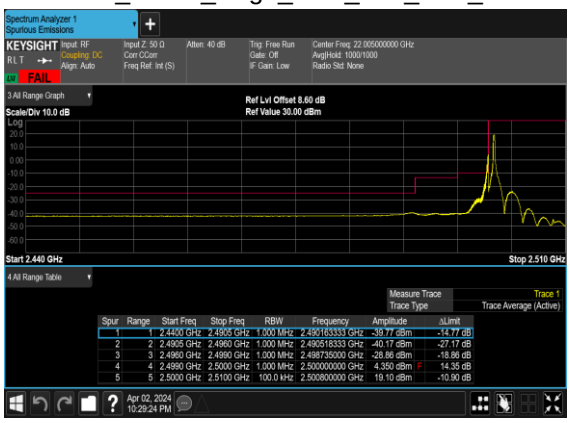
N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



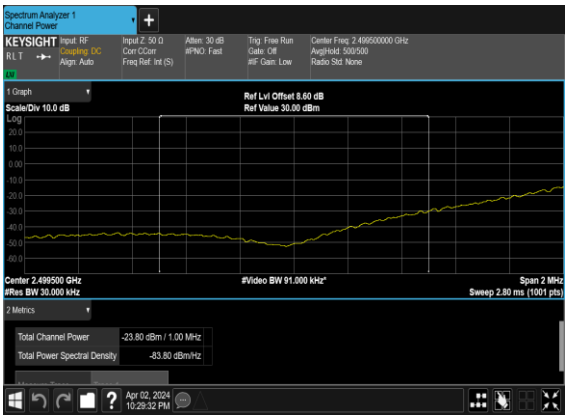
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



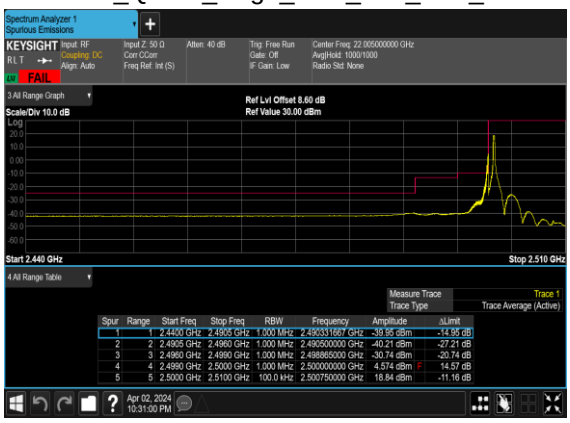
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



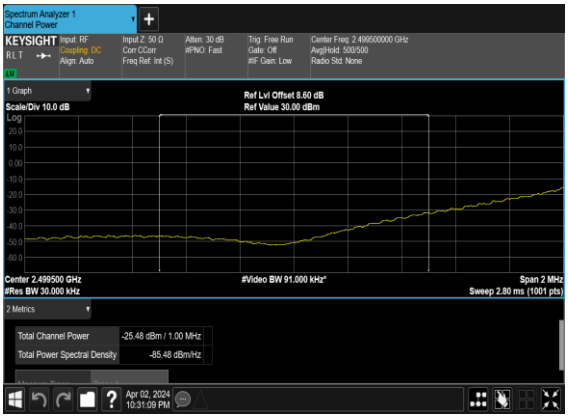
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



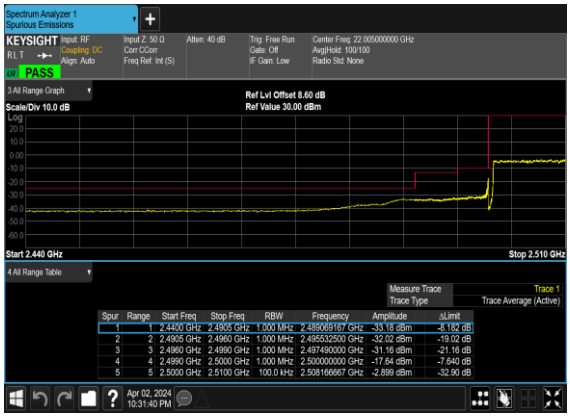
N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



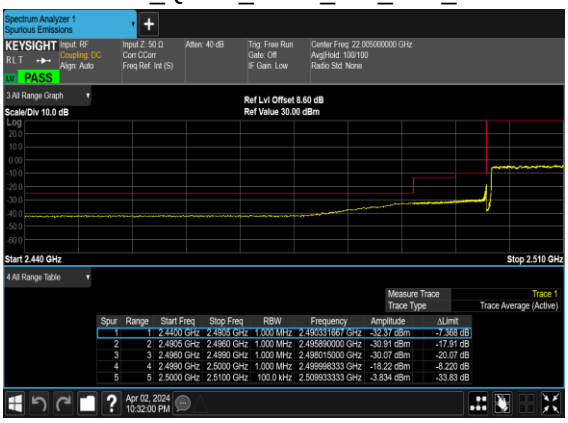
N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



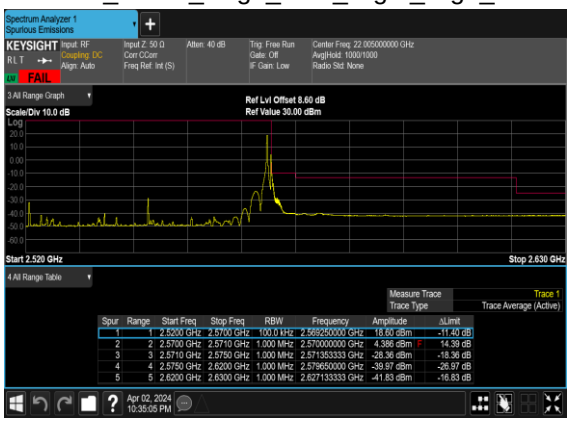
N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



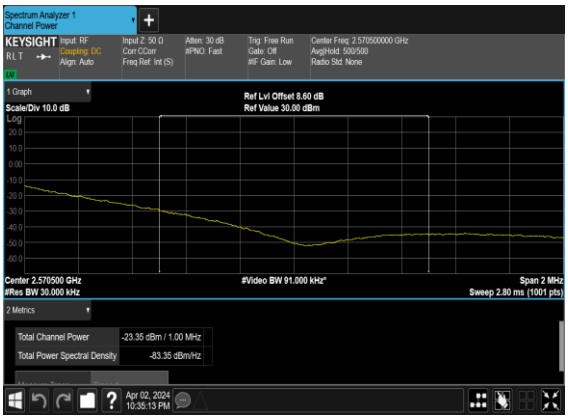
N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



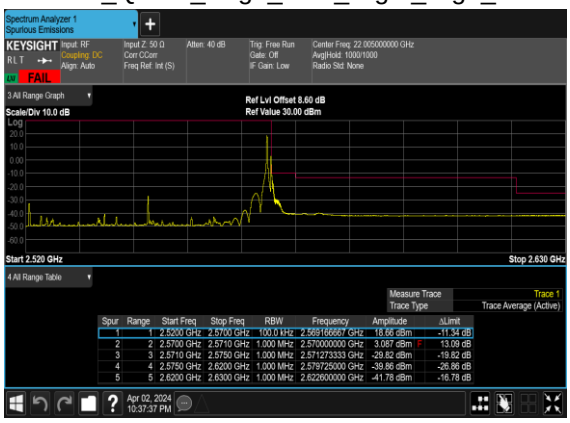
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



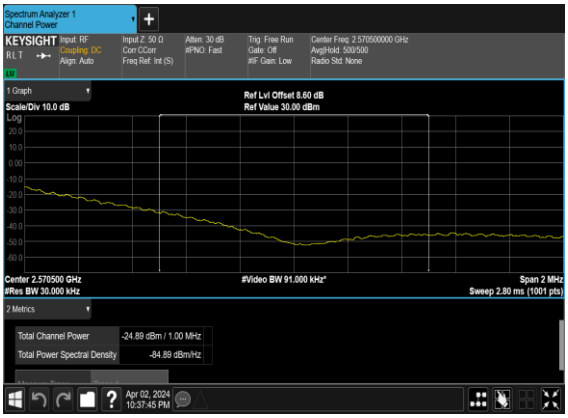
N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



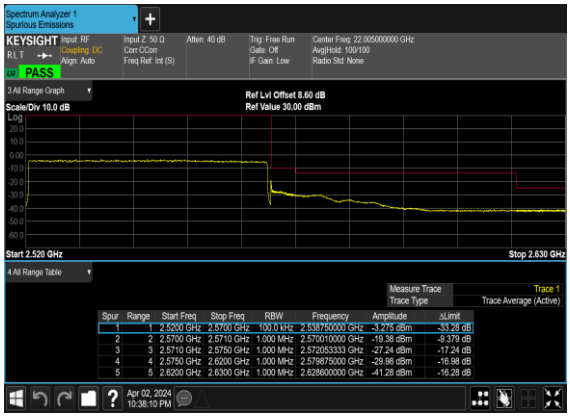
N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



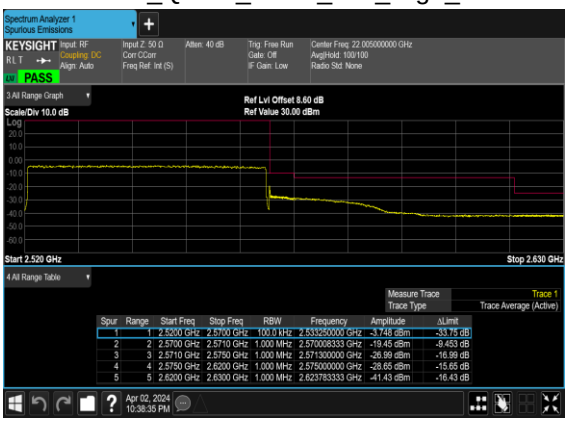
N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N38–SCS 15k

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3dBi

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	22.98	25.98	0.3963
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@1	22.09	25.09	0.3228
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@1	22.89	25.89	0.3882
38	15	5	518500	2592.5	DFT-s-OFDM 16 QAM	1@1	22.14	25.14	0.3266
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@1	23.05	26.05	0.4027
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@1	22.4	25.4	0.3467
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@1	22.84	25.84	0.3837
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	21.62	24.62	0.2897
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@1	22.98	25.98	0.3963
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.82	24.82	0.3034
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@1	22.95	25.95	0.3936
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	21.71	24.71	0.2958
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	22.96	25.96	0.3945
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	21.68	24.68	0.2938
38	15	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.08	26.08	0.4055
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.94	24.94	0.3119
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.19	26.19	0.4159
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.01	25.01	0.3170
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@1	22.92	25.92	0.3908
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	21.76	24.76	0.2992
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.02	26.02	0.3999
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.85	24.85	0.3055
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.12	26.12	0.4093
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	21.9	24.9	0.3090
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	22.85	25.85	0.3846
38	15	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	21.61	24.61	0.2891
38	15	25	519000	2595	DFT-s-OFDM QPSK	1@1	22.83	25.83	0.3828
38	15	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.62	24.62	0.2897
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	22.93	25.93	0.3917
38	15	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	21.72	24.72	0.2965
38	15	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.67	25.67	0.3690
38	15	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.48	24.48	0.2805
38	15	30	519000	2595	DFT-s-OFDM QPSK	1@1	22.66	25.66	0.3681
38	15	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.49	24.49	0.2812
38	15	30	521000	2605	DFT-s-OFDM QPSK	1@1	22.8	25.8	0.3802
38	15	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.61	24.61	0.2891
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	108@54	23.11	26.11	0.4083
38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.46	25.46	0.3516

38	15	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@214	22.68	25.68	0.3698
38	15	40	518000	2590	DFT-s-OFDM QPSK	108@54	23.11	26.11	0.4083
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@1	22.44	25.44	0.3499
38	15	40	518000	2590	DFT-s-OFDM QPSK	1@214	22.66	25.66	0.3681
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	108@54	22.11	25.11	0.3243
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.15	24.15	0.2600
38	15	40	518000	2590	DFT-s-OFDM 16 QAM	1@214	21.51	24.51	0.2825
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	108@54	20.64	23.64	0.2312
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	19.99	22.99	0.1991
38	15	40	518000	2590	DFT-s-OFDM 64 QAM	1@214	20.18	23.18	0.2080
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	108@54	18.69	21.69	0.1476
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	17.98	20.98	0.1253
38	15	40	518000	2590	DFT-s-OFDM 256 QAM	1@214	18.21	21.21	0.1321
38	15	40	518000	2590	CP-OFDM QPSK	108@54	21.58	24.58	0.2871
38	15	40	518000	2590	CP-OFDM QPSK	1@1	20.95	23.95	0.2483
38	15	40	518000	2590	CP-OFDM QPSK	1@214	21.22	24.22	0.2642
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	108@54	23.05	26.05	0.4027
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.46	25.46	0.3516
38	15	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@214	22.62	25.62	0.3648
38	15	40	519000	2595	DFT-s-OFDM QPSK	108@54	23.05	26.05	0.4027
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@1	22.43	25.43	0.3491
38	15	40	519000	2595	DFT-s-OFDM QPSK	1@214	22.53	25.53	0.3573
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	108@54	22.05	25.05	0.3199
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.24	24.24	0.2655
38	15	40	519000	2595	DFT-s-OFDM 16 QAM	1@214	21.35	24.35	0.2723
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	108@54	20.59	23.59	0.2286
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	19.99	22.99	0.1991
38	15	40	519000	2595	DFT-s-OFDM 64 QAM	1@214	20.12	23.12	0.2051
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	108@54	18.61	21.61	0.1449
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	17.96	20.96	0.1247
38	15	40	519000	2595	DFT-s-OFDM 256 QAM	1@214	18.12	21.12	0.1294
38	15	40	519000	2595	CP-OFDM QPSK	108@54	21.53	24.53	0.2838
38	15	40	519000	2595	CP-OFDM QPSK	1@1	20.98	23.98	0.2500
38	15	40	519000	2595	CP-OFDM QPSK	1@214	21.15	24.15	0.2600
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	108@54	23.15	26.15	0.4121
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	22.51	25.51	0.3556
38	15	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@214	22.72	25.72	0.3733
38	15	40	520000	2600	DFT-s-OFDM QPSK	108@54	23.2	26.2	0.4169
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@1	22.45	25.45	0.3508
38	15	40	520000	2600	DFT-s-OFDM QPSK	1@214	22.68	25.68	0.3698
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	108@54	22.22	25.22	0.3327
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	21.25	24.25	0.2661
38	15	40	520000	2600	DFT-s-OFDM 16 QAM	1@214	21.46	24.46	0.2793
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	108@54	20.68	23.68	0.2333
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.03	23.03	0.2009
38	15	40	520000	2600	DFT-s-OFDM 64 QAM	1@214	20.22	23.22	0.2099

38	15	40	520000	2600	DFT-s-OFDM 256 QAM	108@54	18.76	21.76	0.1500
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18	21	0.1259
38	15	40	520000	2600	DFT-s-OFDM 256 QAM	1@214	18.24	21.24	0.1330
38	15	40	520000	2600	CP-OFDM QPSK	108@54	21.71	24.71	0.2958
38	15	40	520000	2600	CP-OFDM QPSK	1@1	21.04	24.04	0.2535
38	15	40	520000	2600	CP-OFDM QPSK	1@214	21.25	24.25	0.2661

FR1 N38–SCS 30k

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3dBi

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP(W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	22.92	25.92	0.3908
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	21.8	24.8	0.3020
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	22.92	25.92	0.3908
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.81	24.81	0.3027
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.1	26.1	0.4074
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.02	25.02	0.3177
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	22.98	25.98	0.3963
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	21.78	24.78	0.3006
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	22.94	25.94	0.3926
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.77	24.77	0.2999
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.03	26.03	0.4009
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	21.83	24.83	0.3041
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	22.91	25.91	0.3899
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	21.7	24.7	0.2951
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	22.82	25.82	0.3819
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.67	24.67	0.2931
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	22.97	25.97	0.3954
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	21.77	24.77	0.2999
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	22.74	25.74	0.3750
38	30	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	21.64	24.64	0.2911
38	30	25	519000	2595	DFT-s-OFDM QPSK	1@1	22.76	25.76	0.3767
38	30	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.64	24.64	0.2911
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	22.77	25.77	0.3776
38	30	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	21.66	24.66	0.2924
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.83	25.83	0.3828
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.63	24.63	0.2904
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	22.74	25.74	0.3750
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.62	24.62	0.2897
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	22.79	25.79	0.3793
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.6	24.6	0.2884
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	22.93	25.93	0.3917
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.42	25.42	0.3483
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	22.84	25.84	0.3837
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	22.93	25.93	0.3917
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	22.56	25.56	0.3597
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	22.84	25.84	0.3837
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	21.95	24.95	0.3126

38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.41	24.41	0.2761
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	21.73	24.73	0.2972
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	20.44	23.44	0.2208
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	20.17	23.17	0.2075
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	20.55	23.55	0.2265
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	18.46	21.46	0.1400
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	17.98	20.98	0.1253
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	18.4	21.4	0.1380
38	30	40	518000	2590	CP-OFDM QPSK	53@26	21.37	24.37	0.2735
38	30	40	518000	2590	CP-OFDM QPSK	1@1	20.91	23.91	0.2460
38	30	40	518000	2590	CP-OFDM QPSK	1@104	21.29	24.29	0.2685
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	22.99	25.99	0.3972
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.44	25.44	0.3499
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	22.89	25.89	0.3882
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	23.01	26.01	0.3990
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	22.62	25.62	0.3648
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	22.96	25.96	0.3945
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	22.02	25.02	0.3177
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.43	24.43	0.2773
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	21.81	24.81	0.3027
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	20.5	23.5	0.2239
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.24	23.24	0.2109
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	20.59	23.59	0.2286
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	18.52	21.52	0.1419
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.03	21.03	0.1268
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	18.44	21.44	0.1393
38	30	40	519000	2595	CP-OFDM QPSK	53@26	21.5	24.5	0.2818
38	30	40	519000	2595	CP-OFDM QPSK	1@1	20.98	23.98	0.2500
38	30	40	519000	2595	CP-OFDM QPSK	1@104	21.38	24.38	0.2742
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	23.04	26.04	0.4018
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	22.39	25.39	0.3459
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	22.93	25.93	0.3917
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	23.15	26.15	0.4121
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	22.56	25.56	0.3597
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	22.98	25.98	0.3963
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	22.03	25.03	0.3184
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	21.4	24.4	0.2754
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	21.86	24.86	0.3062
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	20.55	23.55	0.2265
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.17	23.17	0.2075
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	20.65	23.65	0.2317
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	18.57	21.57	0.1435
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	17.98	20.98	0.1253

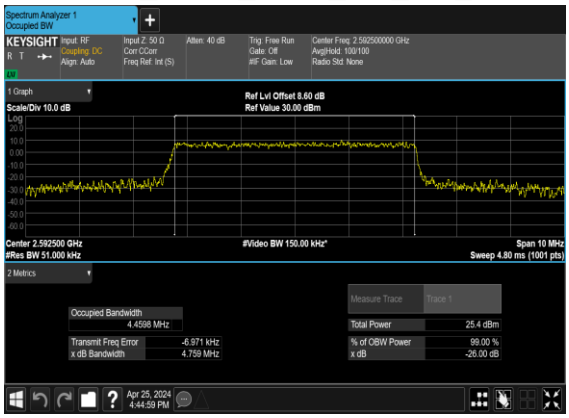
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	18.53	21.53	0.1422
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.54	24.54	0.2844
38	30	40	520000	2600	CP-OFDM QPSK	1@1	20.92	23.92	0.2466
38	30	40	520000	2600	CP-OFDM QPSK	1@104	21.43	24.43	0.2773

FR1 N38–SCS 15k

Occupied Bandwidth

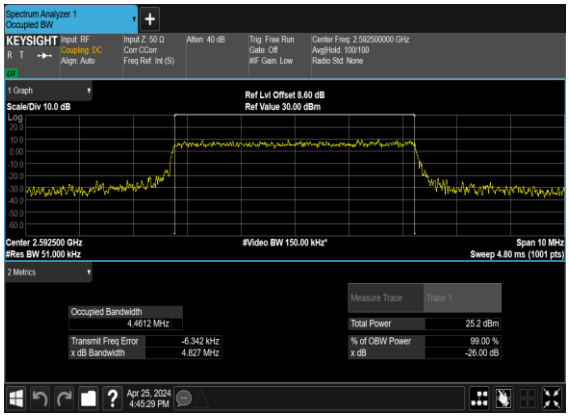
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	15	5	518500	2592.5	CP-OFDM QPSK	25@0	4.4598	4.759
38	15	5	518500	2592.5	CP-OFDM 16 QAM	25@0	4.4696	4.79
38	15	5	518500	2592.5	CP-OFDM 64 QAM	25@0	4.4612	4.827
38	15	5	518500	2592.5	CP-OFDM 256 QAM	25@0	4.4704	4.754
38	15	25	519000	2595.0	CP-OFDM QPSK	133@0	23.726	24.59
38	15	25	519000	2595.0	CP-OFDM 16 QAM	133@0	23.615	24.73
38	15	25	519000	2595.0	CP-OFDM 64 QAM	133@0	23.754	24.59
38	15	25	519000	2595.0	CP-OFDM 256 QAM	133@0	23.751	24.77

N38(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



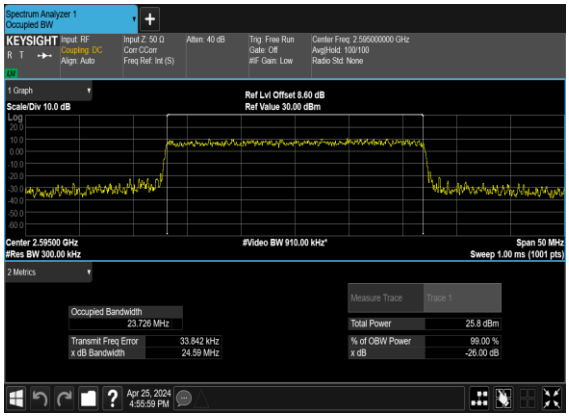
N38(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N38(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

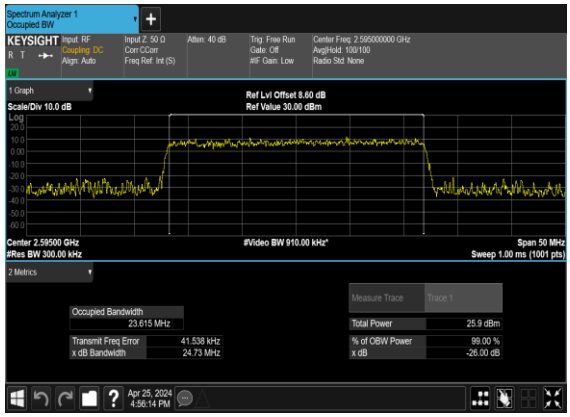


N38(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

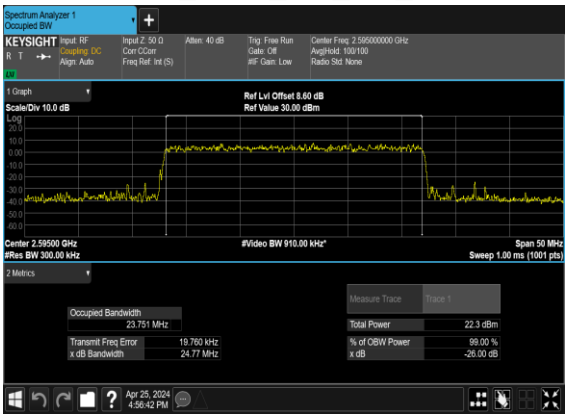


N38(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N38(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

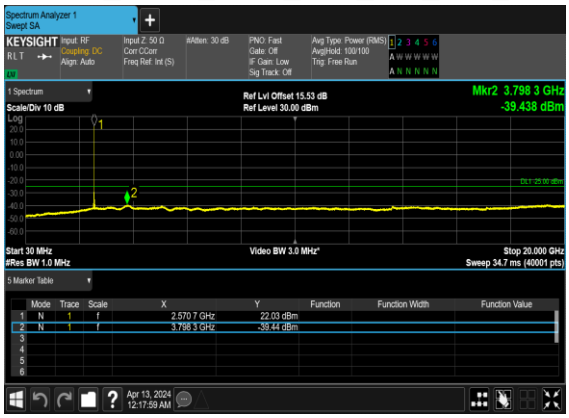


Conducted Spurious Emissions

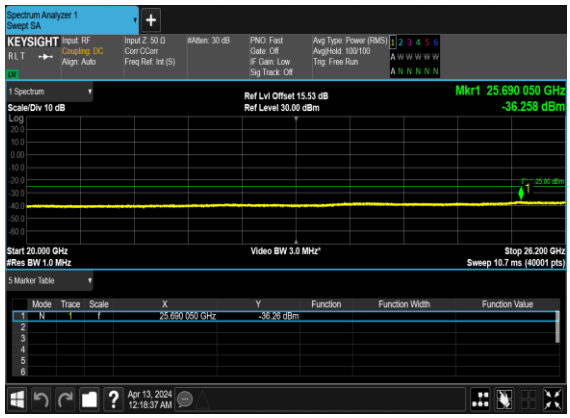
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	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	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
38	15	5	518500	2592.5	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**

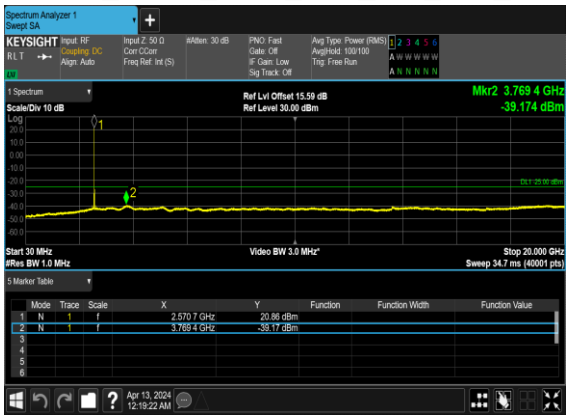
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



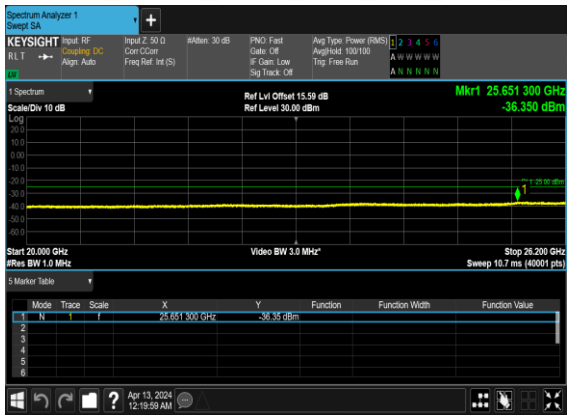
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



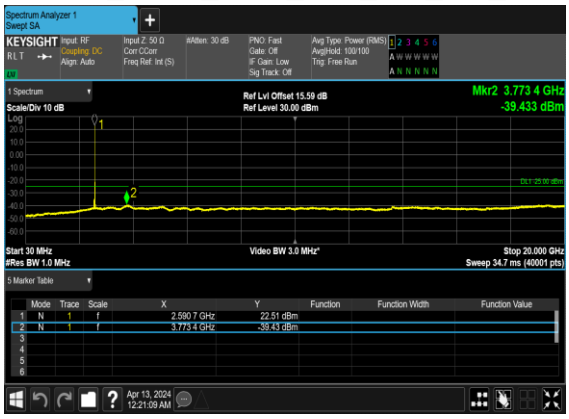
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



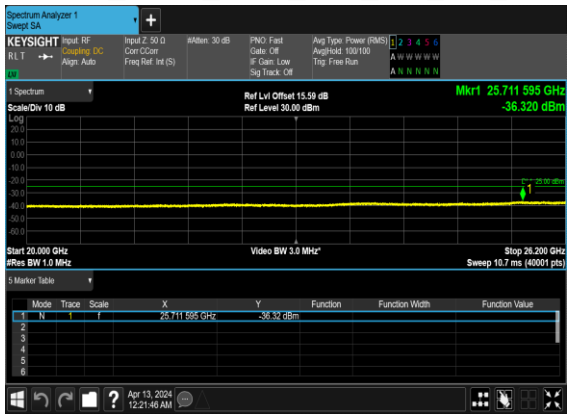
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



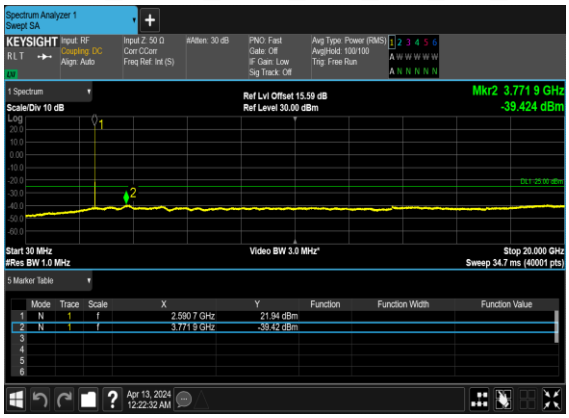
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



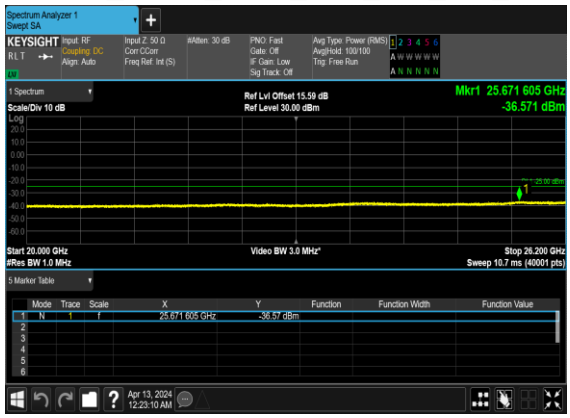
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



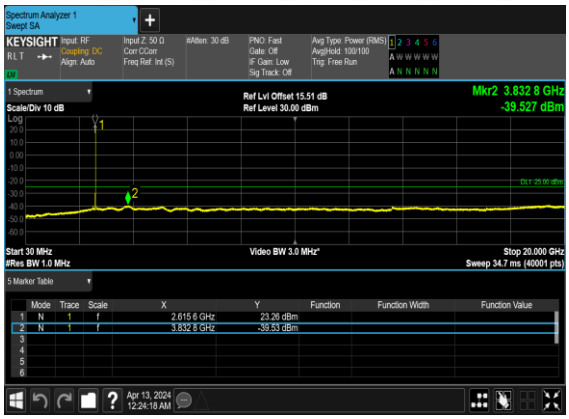
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



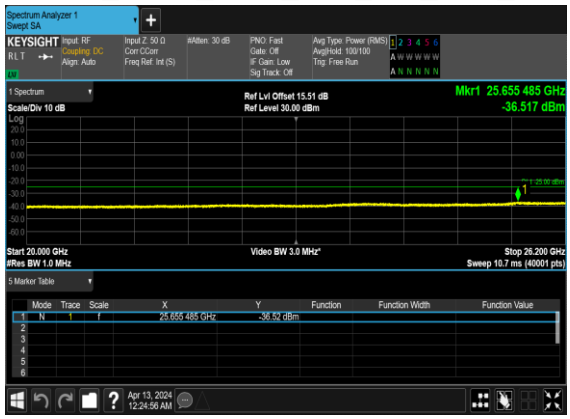
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



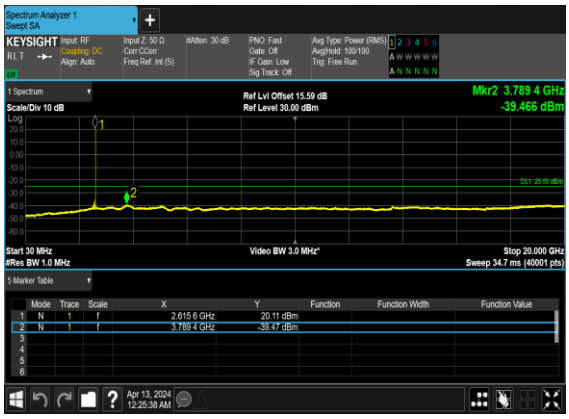
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



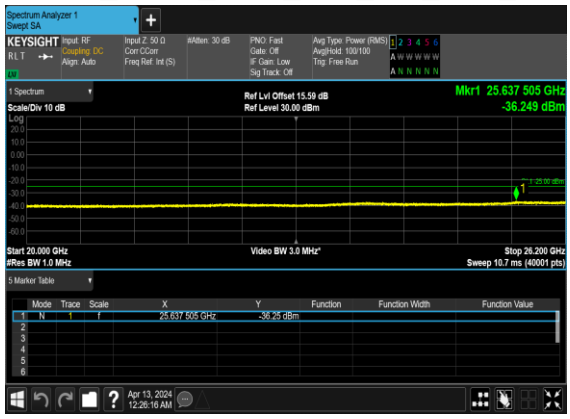
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



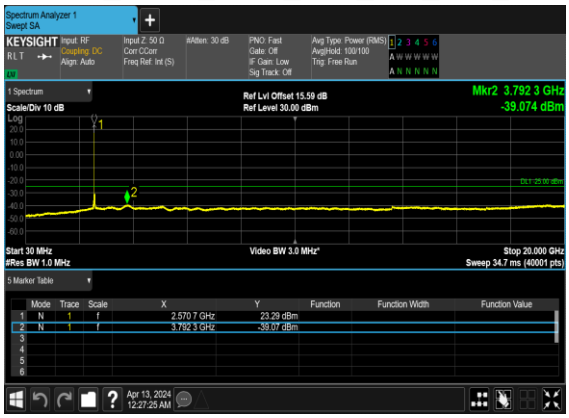
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



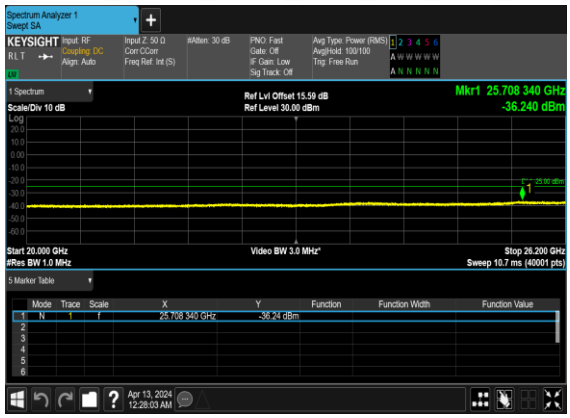
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



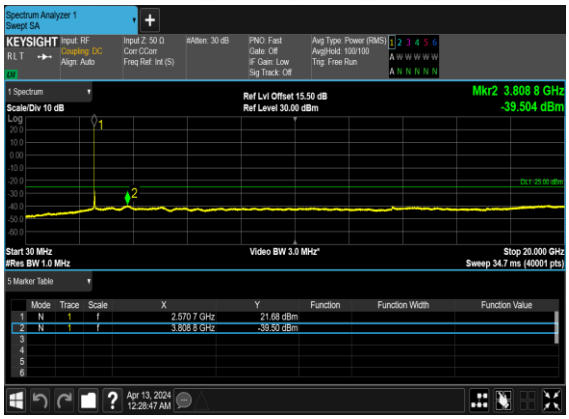
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



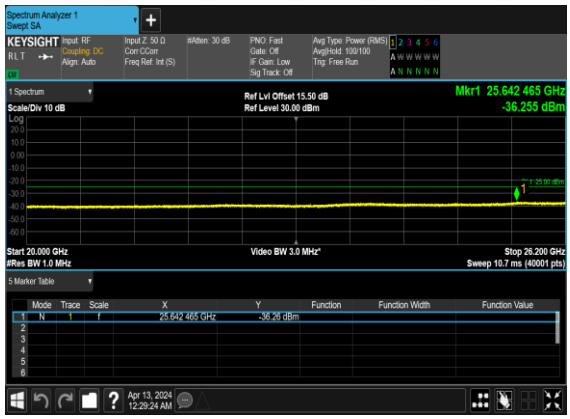
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



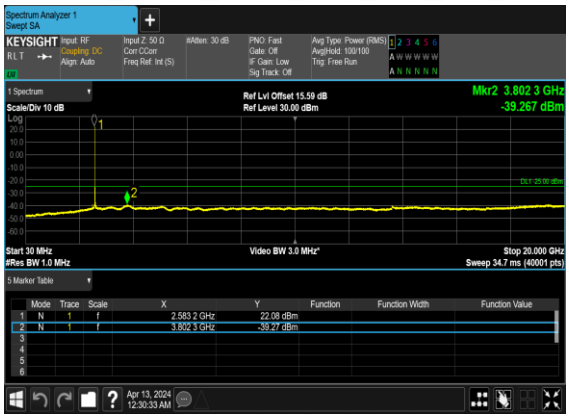
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



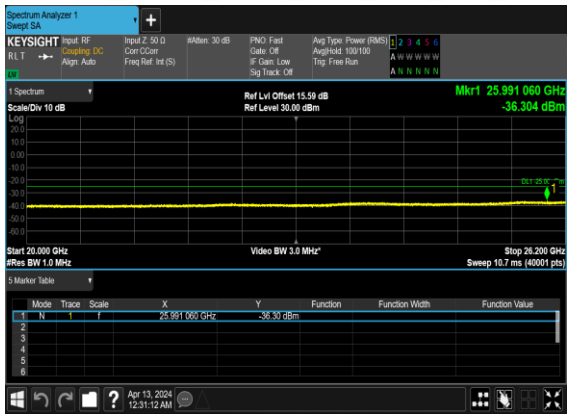
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



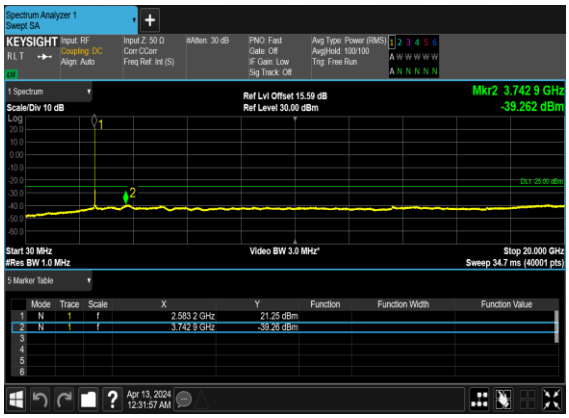
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



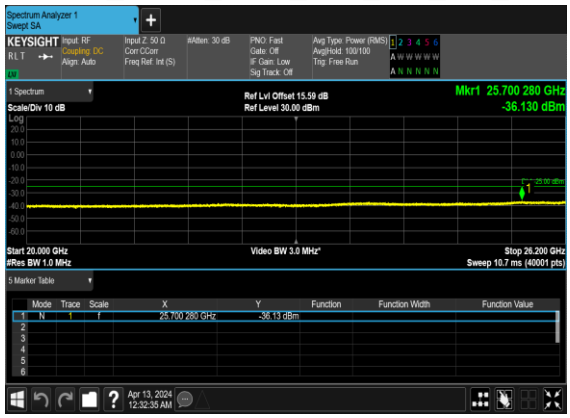
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



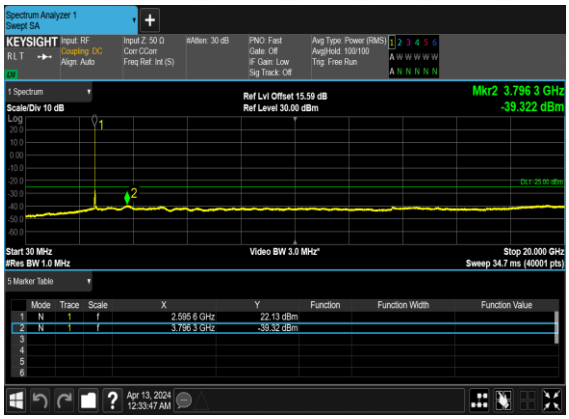
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



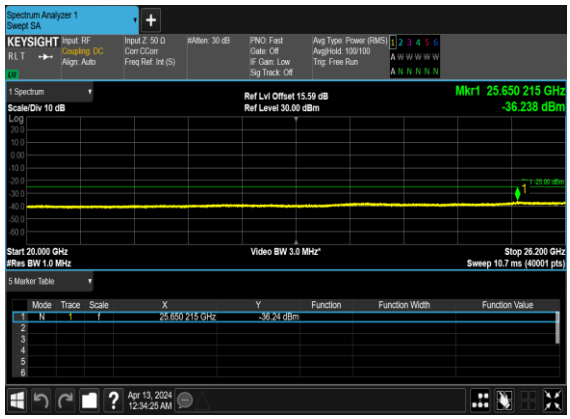
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



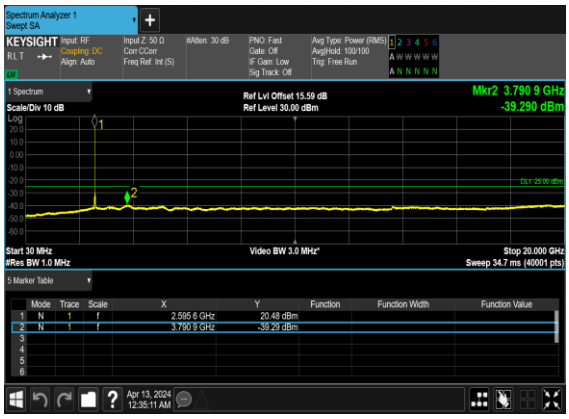
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



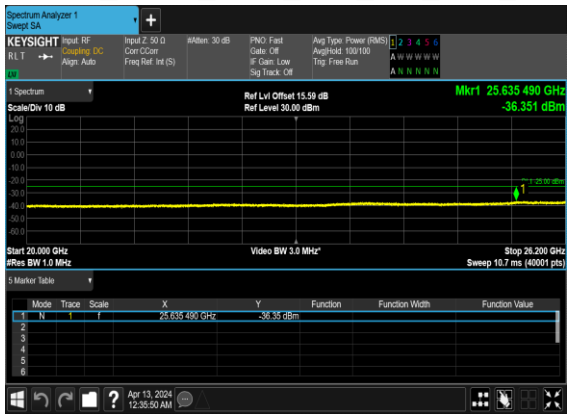
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



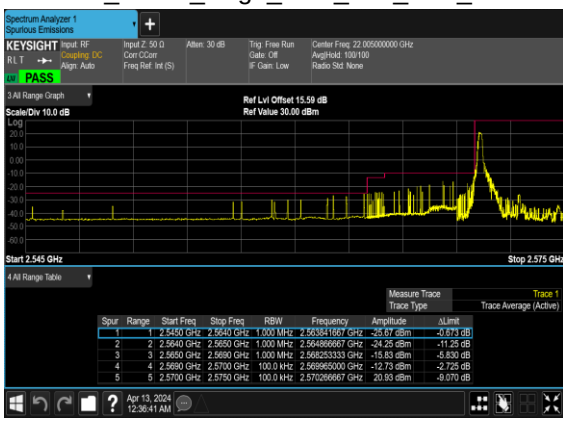
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



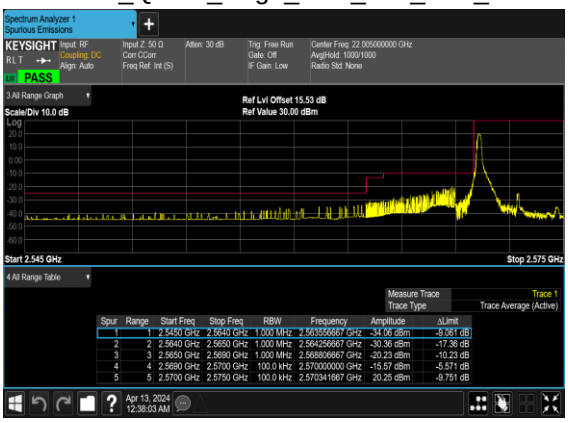
Conducted Band Edge

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**

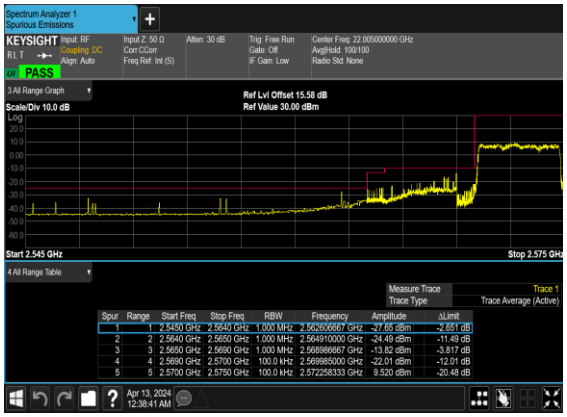
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



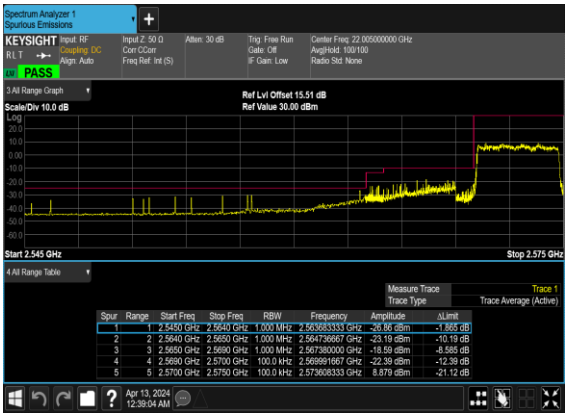
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



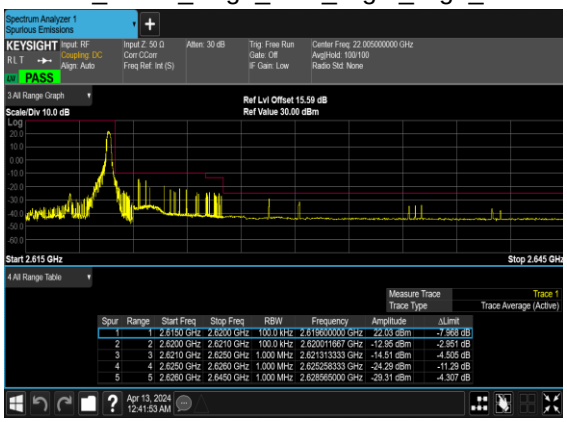
N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



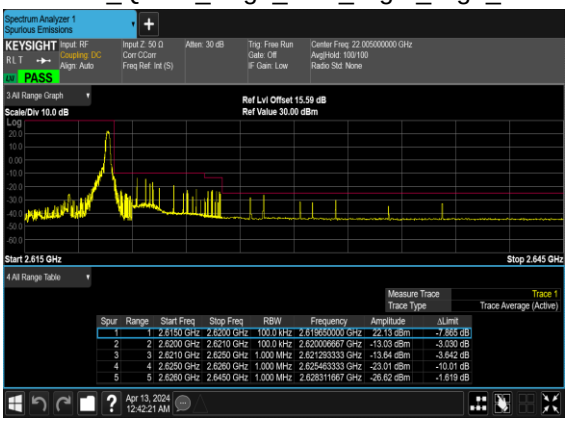
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



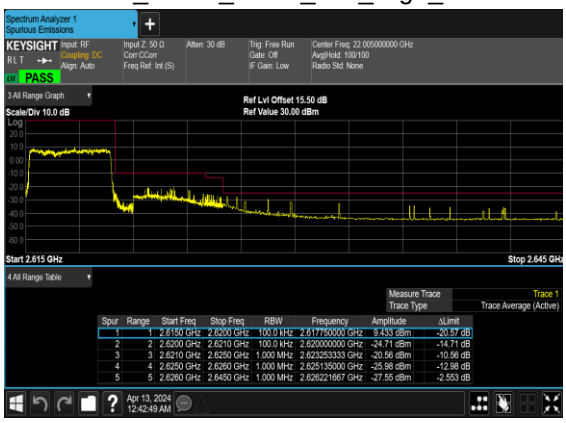
N38(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



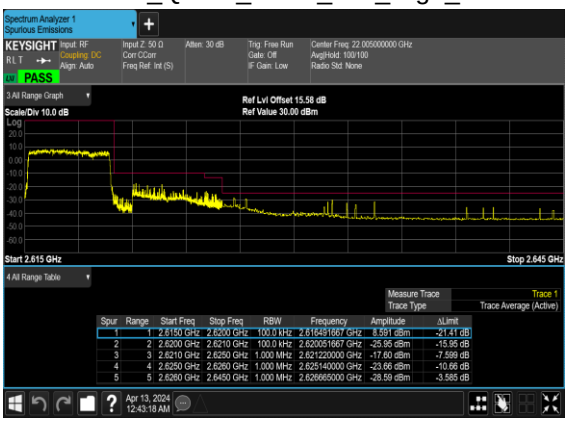
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



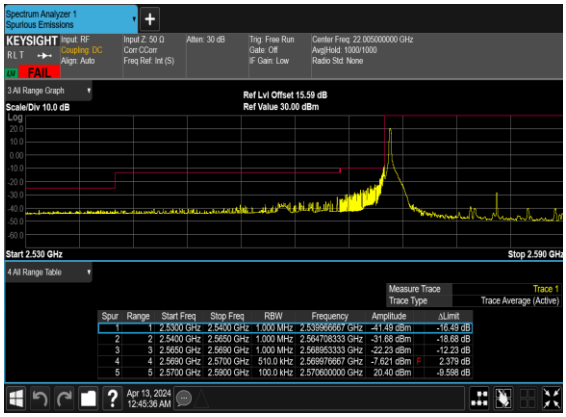
N38(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

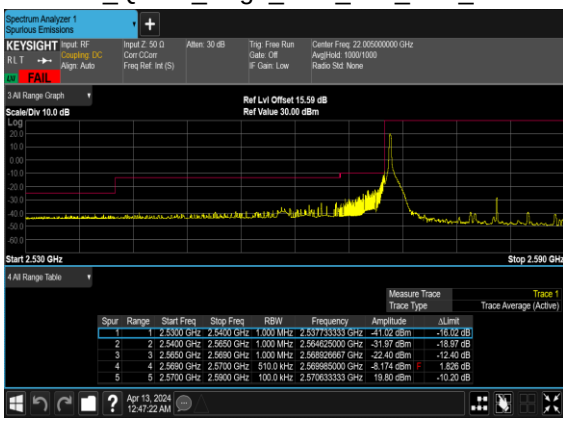


N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



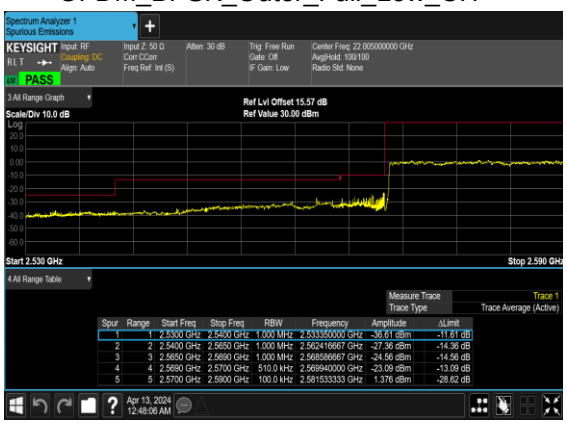
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

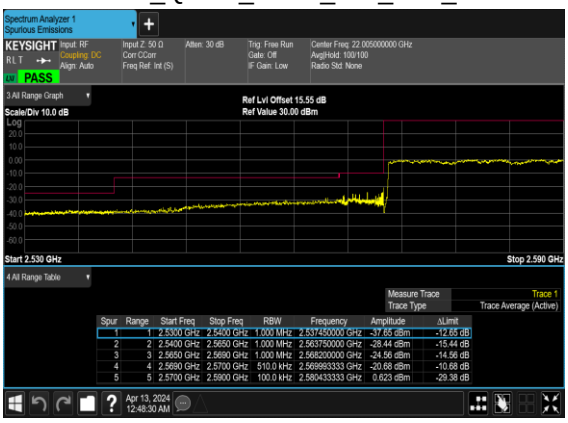


N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**

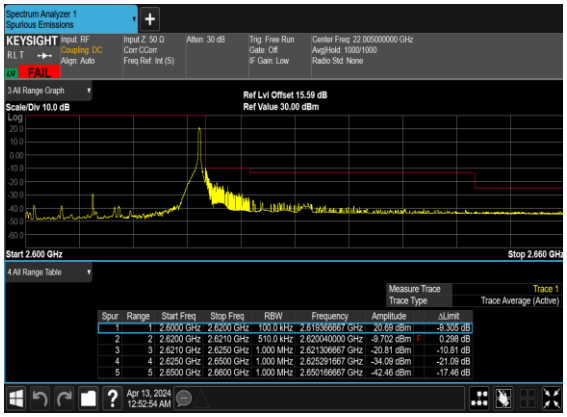
N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



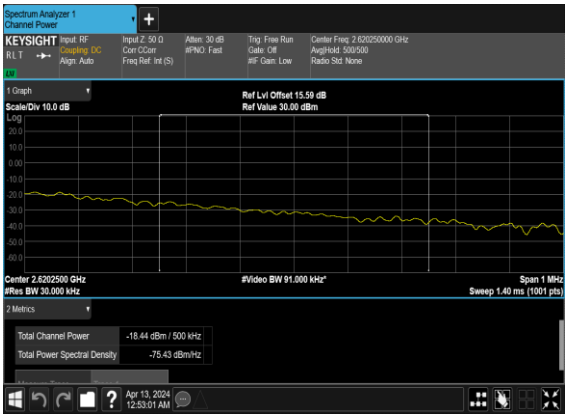
N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



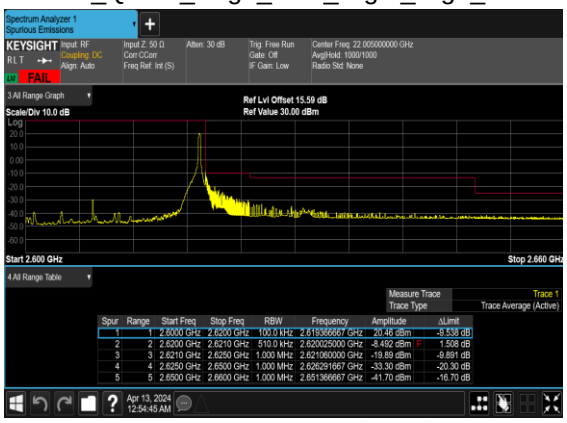
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



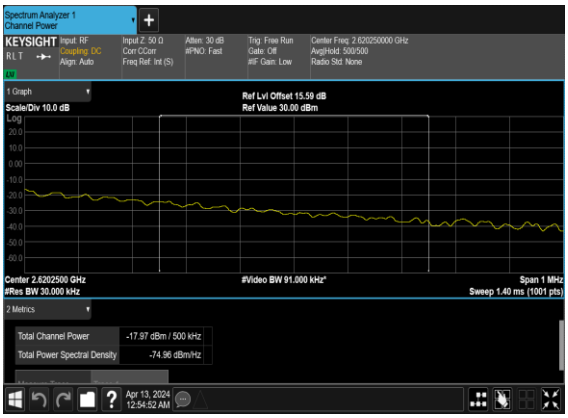
N38(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



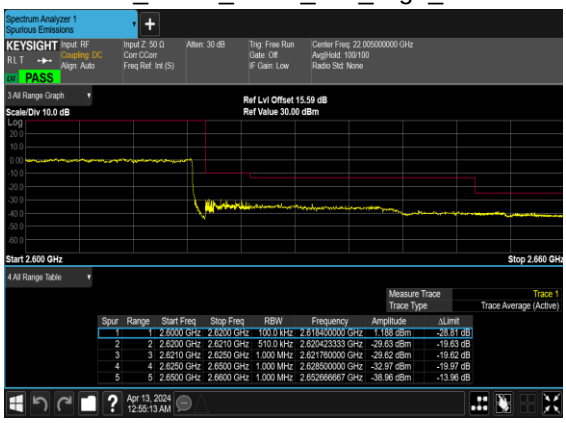
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



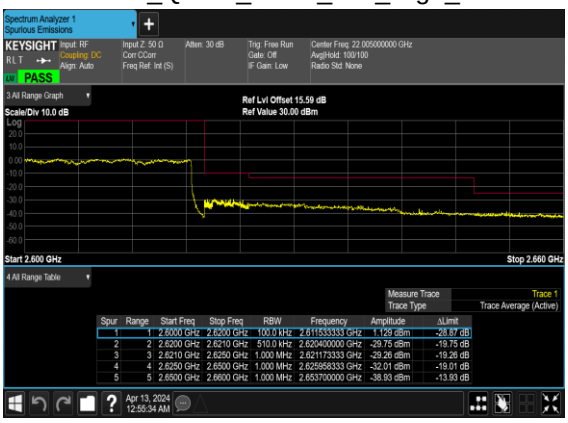
N38(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N38(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N38(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N41(Main PA) – SCS 15k

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=3dBi

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	25.32	28.32	0.6792
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	23.94	26.94	0.4943
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.41	28.41	0.6934
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.12	27.12	0.5152
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	25.71	28.71	0.7430
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.4	27.4	0.5495
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.54	28.54	0.7145
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.25	27.25	0.5309
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.59	28.59	0.7228
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.28	27.28	0.5346
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@1	26.02	29.02	0.7980
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@1	24.75	27.75	0.5957
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@1	25.39	28.39	0.6902
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@1	23.98	26.98	0.4989
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.6	28.6	0.7244
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.38	27.38	0.5470
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.92	28.92	0.7798
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	24.71	27.71	0.5902
41	15	30	502200	2511	DFT-s-OFDM QPSK	1@1	25.15	28.15	0.6531
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	23.76	26.76	0.4742
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.31	28.31	0.6776
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	23.99	26.99	0.5000
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	1@1	25.65	28.65	0.7328
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	1@1	24.39	27.39	0.5483
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	24.8	27.8	0.6026
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	23.45	26.45	0.4416
41	15	40	518598	2593.005	DFT-s-OFDM QPSK	1@1	24.97	27.97	0.6266
41	15	40	518598	2593.005	DFT-s-OFDM 16 QAM	1@1	23.83	26.83	0.4819
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.31	28.31	0.6776
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	24.09	27.09	0.5117
V	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	135@67	25.5	28.5	0.7079
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@1	25.19	28.19	0.6592
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@268	25.42	28.42	0.6950
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	135@67	25.51	28.51	0.7096
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@1	25.27	28.27	0.6714
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@268	25.46	28.46	0.7015
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	135@67	24.52	27.52	0.5649

41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@1	23.93	26.93	0.4932
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@268	24.2	27.2	0.5248
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	135@67	23.18	26.18	0.4150
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@1	22.88	25.88	0.3873
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@268	23.1	26.1	0.4074
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	135@67	21.21	24.21	0.2636
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@1	20.8	23.8	0.2399
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@268	21.07	24.07	0.2553
41	15	50	504201	2521.005	CP-OFDM QPSK	135@67	24.03	27.03	0.5047
41	15	50	504201	2521.005	CP-OFDM QPSK	1@1	23.86	26.86	0.4853
41	15	50	504201	2521.005	CP-OFDM QPSK	1@268	24.03	27.03	0.5047
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	25.65	28.65	0.7328
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.35	28.35	0.6839
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@268	25.65	28.65	0.7328
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	135@67	25.67	28.67	0.7362
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.4	28.4	0.6918
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@268	25.66	28.66	0.7345
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	135@67	24.68	27.68	0.5861
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.1	27.1	0.5129
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@268	24.4	27.4	0.5495
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	135@67	23.32	26.32	0.4285
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	23.04	26.04	0.4018
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@268	23.41	26.41	0.4375
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	135@67	21.35	24.35	0.2723
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.03	24.03	0.2529
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@268	21.33	24.33	0.2710
41	15	50	518601	2593.005	CP-OFDM QPSK	135@67	24.19	27.19	0.5236
41	15	50	518601	2593.005	CP-OFDM QPSK	1@1	23.93	26.93	0.4932
41	15	50	518601	2593.005	CP-OFDM QPSK	1@268	24.24	27.24	0.5297
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	135@67	26.09	29.09	0.8110
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	25.85	28.85	0.7674
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@268	25.86	28.86	0.7691
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	135@67	26.1	29.1	0.8128
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.87	28.87	0.7709
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@268	25.82	28.82	0.7621
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	135@67	25.12	28.12	0.6486
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	24.57	27.57	0.5715
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@268	24.54	27.54	0.5675
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	135@67	23.74	26.74	0.4721
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	23.49	26.49	0.4457
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@268	23.55	26.55	0.4519
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	135@67	21.78	24.78	0.3006
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	21.53	24.53	0.2838
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@268	21.53	24.53	0.2838

41	15	50	532998	2664.99	CP-OFDM QPSK	135@67	24.61	27.61	0.5768
41	15	50	532998	2664.99	CP-OFDM QPSK	1@1	24.36	27.36	0.5445
41	15	50	532998	2664.99	CP-OFDM QPSK	1@268	24.4	27.4	0.5495

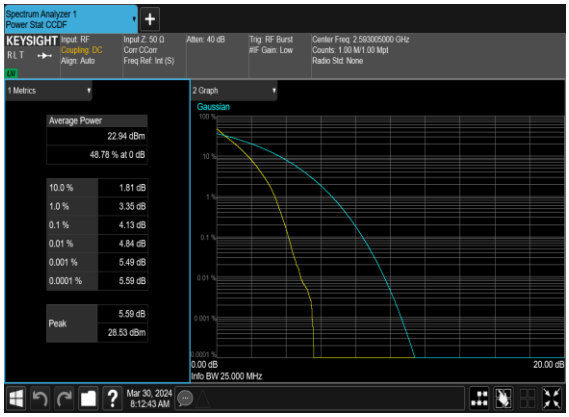
Frequency Stability

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	0.0037	**PASS**	NV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0024	**PASS**	LV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0065	**PASS**	HV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0062	**PASS**	-30℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0042	**PASS**	-20℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0041	**PASS**	-10℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0055	**PASS**	0℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0053	**PASS**	10℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0037	**PASS**	20℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0067	**PASS**	30℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0034	**PASS**	40℃
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	100@0	4.13	13	**PASS**
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	5.76	13	**PASS**

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

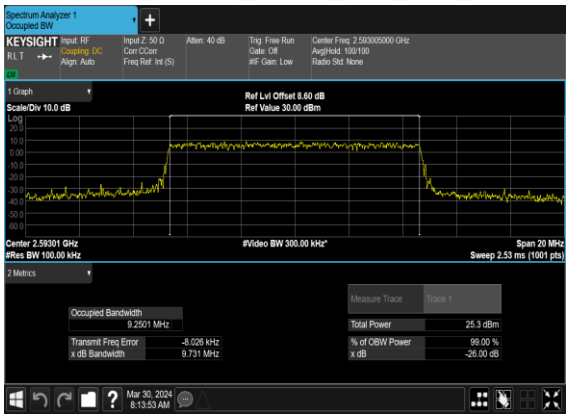


N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

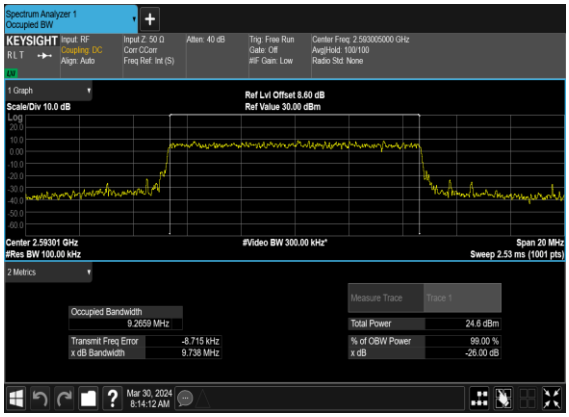
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	15	10	518601	2593.01	CP-OFDM QPSK	52@0	9.2501	9.731
41	15	10	518601	2593.01	CP-OFDM 16 QAM	52@0	9.2511	9.704
41	15	10	518601	2593.01	CP-OFDM 64 QAM	52@0	9.2659	9.738
41	15	10	518601	2593.01	CP-OFDM 256 QAM	52@0	9.282	9.637
41	15	15	518601	2593.01	CP-OFDM QPSK	79@0	14.1	14.61
41	15	15	518601	2593.01	CP-OFDM 16 QAM	79@0	14.098	14.56
41	15	15	518601	2593.01	CP-OFDM 64 QAM	79@0	14.121	14.63
41	15	15	518601	2593.01	CP-OFDM 256 QAM	79@0	14.118	14.63
41	15	20	518601	2593.01	CP-OFDM QPSK	106@0	18.921	19.55
41	15	20	518601	2593.01	CP-OFDM 16 QAM	106@0	18.835	19.84
41	15	20	518601	2593.01	CP-OFDM 64 QAM	106@0	18.925	19.87
41	15	20	518601	2593.01	CP-OFDM 256 QAM	106@0	18.831	19.55
41	15	30	518601	2593.01	CP-OFDM QPSK	160@0	28.457	29.45
41	15	30	518601	2593.01	CP-OFDM 16 QAM	160@0	28.517	29.49
41	15	30	518601	2593.01	CP-OFDM 64 QAM	160@0	28.479	29.45
41	15	30	518601	2593.01	CP-OFDM 256 QAM	160@0	28.544	29.51
41	15	40	518598	2593.01	CP-OFDM QPSK	216@0	38.557	39.81
41	15	40	518598	2593.01	CP-OFDM 16 QAM	216@0	38.525	39.84
41	15	40	518598	2593.01	CP-OFDM 64 QAM	216@0	38.45	39.79
41	15	40	518598	2593.01	CP-OFDM 256 QAM	216@0	38.515	39.82
41	15	50	518601	2593.01	CP-OFDM QPSK	270@0	48.418	49.82
41	15	50	518601	2593.01	CP-OFDM 16 QAM	270@0	48.188	49.82
41	15	50	518601	2593.01	CP-OFDM 64 QAM	270@0	48.105	49.71
41	15	50	518601	2593.01	CP-OFDM 256 QAM	270@0	48.115	49.74

N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



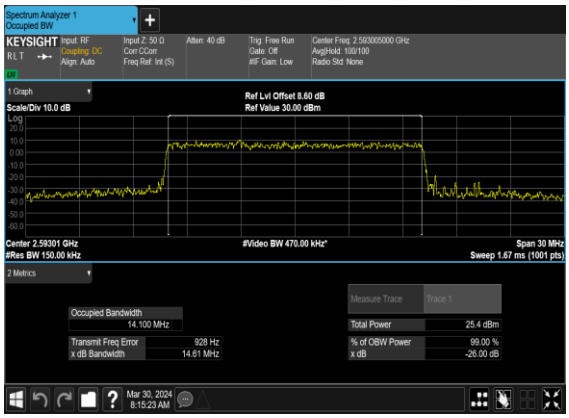
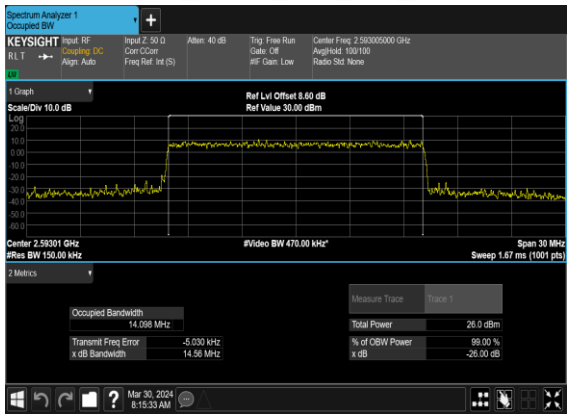
N41(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N41(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH