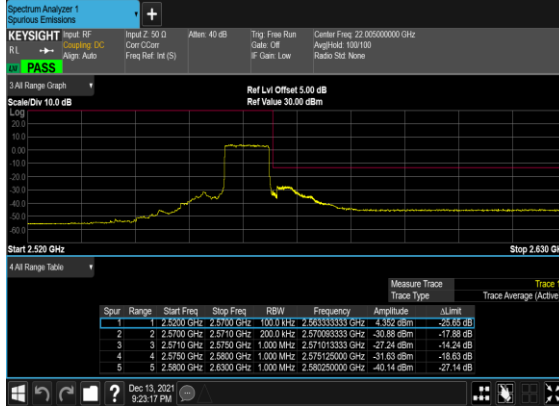


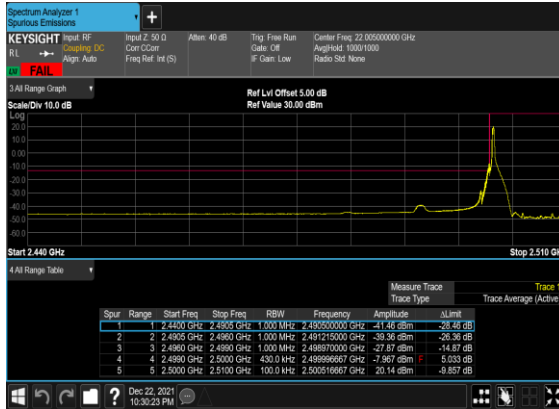
B2_N7(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



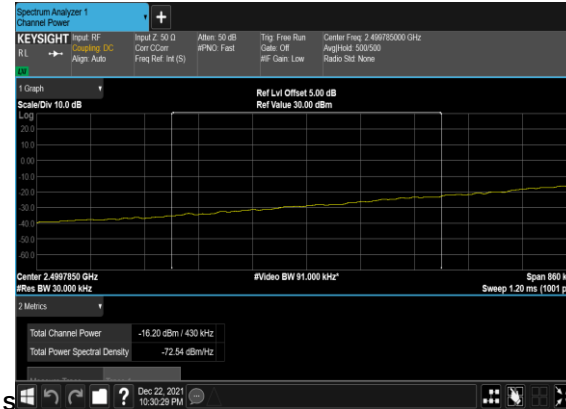
B2_N7(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



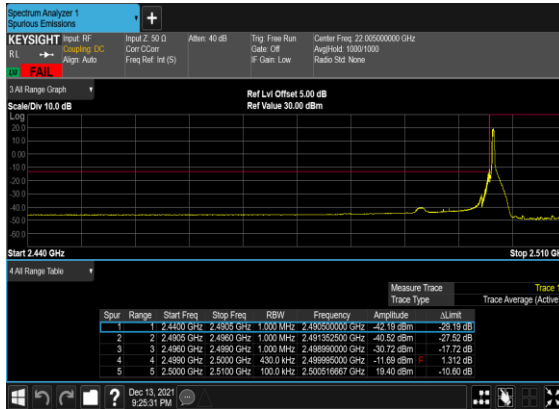
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



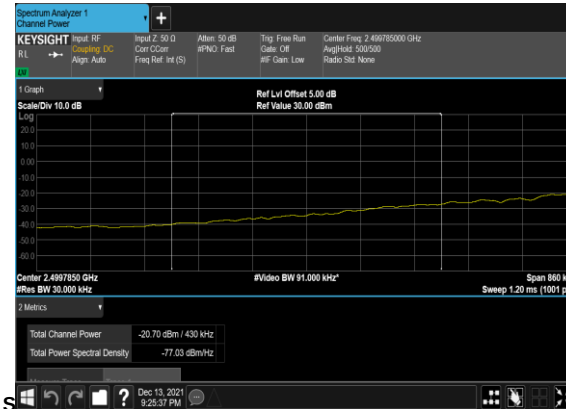
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PAS



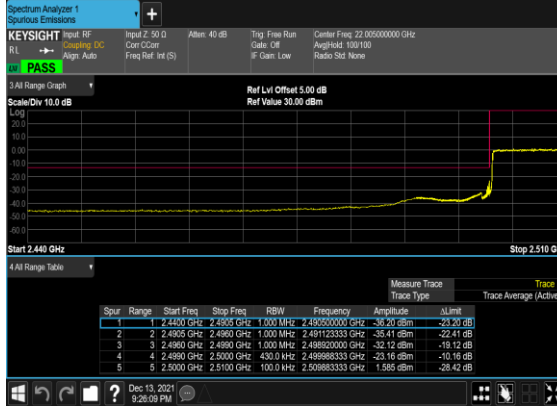
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



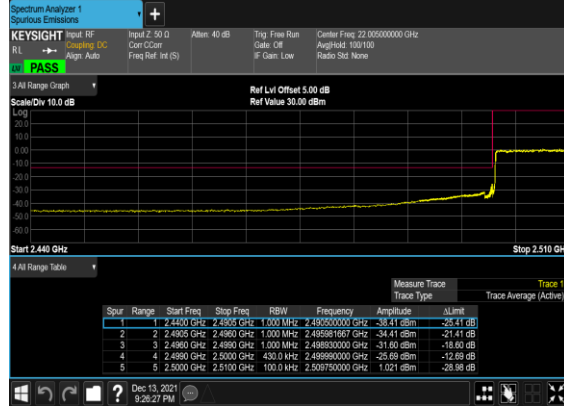
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PAS



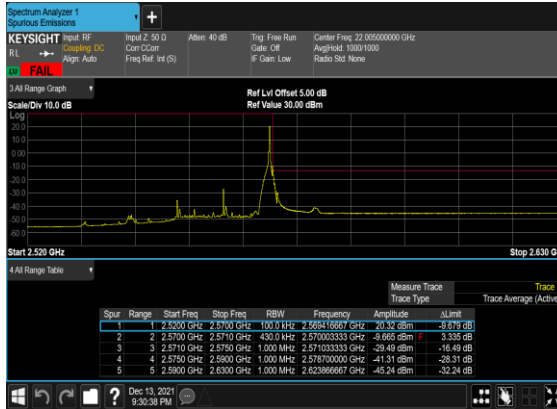
B2_N7(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



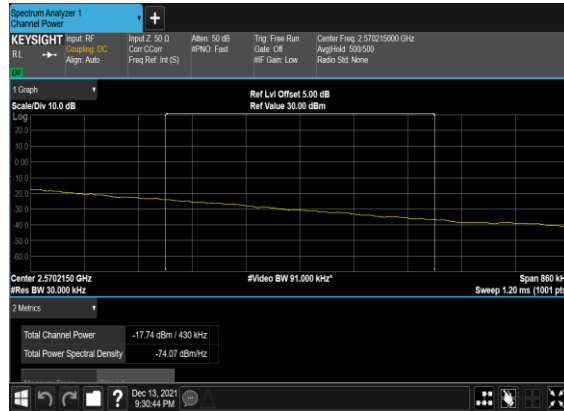
B2_N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



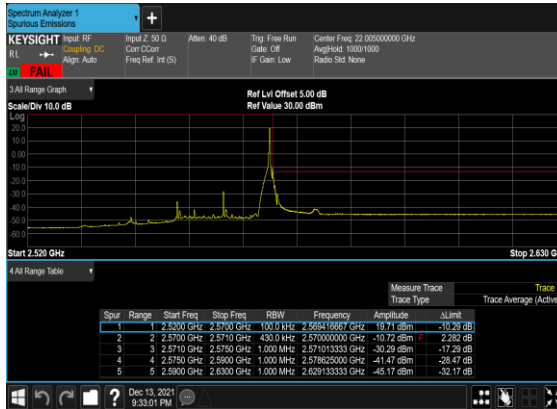
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



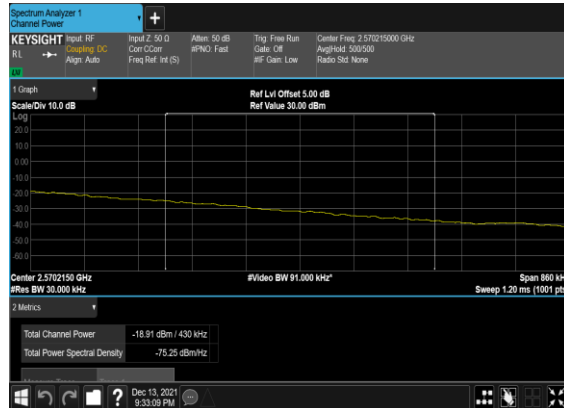
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_chp_P
ASS



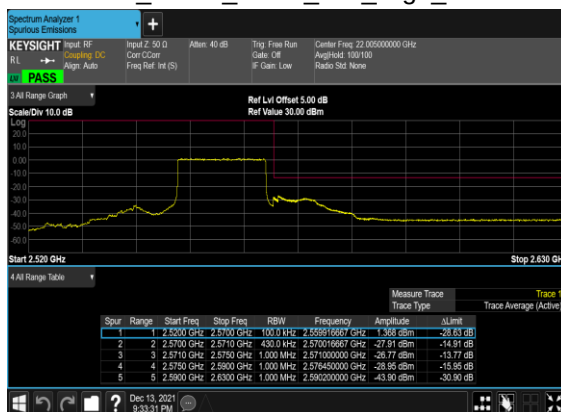
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



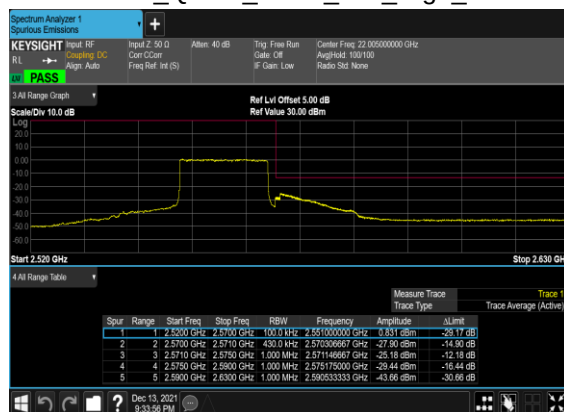
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_chp_P
ASS



B2_N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N38(ANT5) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.7dB

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 PI/2 BPSK	12@6	24.09	28.79	0.7568
38	15	5	514500	2572.5	DFT-s-OFDM PI/2 BPSK	1@1	23.99	28.69	0.7396
38	15	5	514500	2572.5	DFT-s-OFDM PI/2 BPSK	1@23	24.09	28.79	0.7568
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	12@6	24.11	28.81	0.7603
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@1	24.1	28.8	0.7586
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@23	24.17	28.87	0.7709
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	12@6	23.06	27.76	0.5970
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@1	23.18	27.88	0.6138
38	15	5	514500	2572.5	DFT-s-OFDM 16 QAM	1@23	23.24	27.94	0.6223
38	15	5	514500	2572.5	DFT-s-OFDM 64 QAM	12@6	21.78	26.48	0.4446
38	15	5	514500	2572.5	DFT-s-OFDM 64 QAM	1@1	21.59	26.29	0.4256
38	15	5	514500	2572.5	DFT-s-OFDM 64 QAM	1@23	21.67	26.37	0.4335
38	15	5	514500	2572.5	DFT-s-OFDM 256 QAM	12@6	19.72	24.42	0.2767
38	15	5	514500	2572.5	DFT-s-OFDM 256 QAM	1@1	19.87	24.57	0.2864
38	15	5	514500	2572.5	DFT-s-OFDM 256 QAM	1@23	19.97	24.67	0.2931
38	15	5	514500	2572.5	CP-OFDM QPSK	13@6	22.56	27.26	0.5321
38	15	5	514500	2572.5	CP-OFDM QPSK	1@1	22.57	27.27	0.5333
38	15	5	514500	2572.5	CP-OFDM QPSK	1@23	22.61	27.31	0.5383
38	15	5	519000	2572.5	DFT-s-OFDM PI/2 BPSK	12@6	24.08	28.78	0.7551
38	15	5	519000	2572.5	DFT-s-OFDM PI/2 BPSK	1@1	23.98	28.68	0.7379
38	15	5	519000	2595	DFT-s-OFDM PI/2 BPSK	1@23	24.2	28.9	0.7762
38	15	5	519000	2595	DFT-s-OFDM QPSK	12@6	24.3	29	0.7943
38	15	5	519000	2595	DFT-s-OFDM QPSK	1@1	24.26	28.96	0.7870
38	15	5	519000	2595	DFT-s-OFDM QPSK	1@23	24.25	28.95	0.7852
38	15	5	519000	2595	DFT-s-OFDM 16 QAM	12@6	23.23	27.93	0.6209
38	15	5	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.47	28.17	0.6561
38	15	5	519000	2595	DFT-s-OFDM 16 QAM	1@23	23.48	28.18	0.6577
38	15	5	519000	2595	DFT-s-OFDM 64 QAM	12@6	21.72	26.42	0.4385
38	15	5	519000	2595	DFT-s-OFDM	1@1	21.47	26.17	0.4140

					64 QAM				
38	15	5	519000	2595	DFT-s-OFDM 64 QAM	1@23	21.49	26.19	0.4159
38	15	5	519000	2595	DFT-s-OFDM 256 QAM	12@6	19.91	24.61	0.2891
38	15	5	519000	2595	DFT-s-OFDM 256 QAM	1@1	20.02	24.72	0.2965
38	15	5	519000	2595	DFT-s-OFDM 256 QAM	1@23	20.04	24.74	0.2979
38	15	5	519000	2595	CP-OFDM QPSK	13@6	22.79	27.49	0.5610
38	15	5	519000	2595	CP-OFDM QPSK	1@1	22.76	27.46	0.5572
38	15	5	519000	2595	CP-OFDM QPSK	1@23	22.71	27.41	0.5508
38	15	5	523500	2595	DFT-s-OFDM PI/2 BPSK	12@6	24.26	28.96	0.7870
38	15	5	523500	2595	DFT-s-OFDM PI/2 BPSK	1@1	24.18	28.88	0.7727
38	15	5	523500	2617.5	DFT-s-OFDM PI/2 BPSK	1@23	24.15	28.85	0.7674
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	12@6	24.23	28.93	0.7816
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@1	24.21	28.91	0.7780
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@23	24.23	28.93	0.7816
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	12@6	23.2	27.9	0.6166
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@1	23.44	28.14	0.6516
38	15	5	523500	2617.5	DFT-s-OFDM 16 QAM	1@23	23.45	28.15	0.6531
38	15	5	523500	2617.5	DFT-s-OFDM 64 QAM	12@6	21.7	26.4	0.4365
38	15	5	523500	2617.5	DFT-s-OFDM 64 QAM	1@1	21.45	26.15	0.4121
38	15	5	523500	2617.5	DFT-s-OFDM 64 QAM	1@23	21.47	26.17	0.4140
38	15	5	523500	2617.5	DFT-s-OFDM 256 QAM	12@6	19.88	24.58	0.2871
38	15	5	523500	2617.5	DFT-s-OFDM 256 QAM	1@1	20.01	24.71	0.2958
38	15	5	523500	2617.5	DFT-s-OFDM 256 QAM	1@23	20.03	24.73	0.2972
38	15	5	523500	2617.5	CP-OFDM QPSK	13@6	22.72	27.42	0.5521
38	15	5	523500	2617.5	CP-OFDM QPSK	1@1	22.69	27.39	0.5483
38	15	5	523500	2617.5	CP-OFDM QPSK	1@23	22.63	27.33	0.5408
38	15	10	515000	2575	DFT-s-OFDM PI/2 BPSK	25@12	23.41	28.11	0.6471
38	15	10	515000	2575	DFT-s-OFDM PI/2 BPSK	1@1	23.38	28.08	0.6427
38	15	10	515000	2575	DFT-s-OFDM PI/2 BPSK	1@50	23.43	28.13	0.6501
38	15	10	515000	2575	DFT-s-OFDM QPSK	25@12	23.55	28.25	0.6683
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@1	23.37	28.07	0.6412
38	15	10	515000	2575	DFT-s-OFDM QPSK	1@50	23.56	28.26	0.6699
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	25@12	22.61	27.31	0.5383
38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	22.3	27	0.5012

38	15	10	515000	2575	DFT-s-OFDM 16 QAM	1@50	22.44	27.14	0.5176
38	15	10	515000	2575	DFT-s-OFDM 64 QAM	25@12	21.18	25.88	0.3873
38	15	10	515000	2575	DFT-s-OFDM 64 QAM	1@1	21.14	25.84	0.3837
38	15	10	515000	2575	DFT-s-OFDM 64 QAM	1@50	21.08	25.78	0.3784
38	15	10	515000	2575	DFT-s-OFDM 256 QAM	25@12	19.15	23.85	0.2427
38	15	10	515000	2575	DFT-s-OFDM 256 QAM	1@1	19.06	23.76	0.2377
38	15	10	515000	2575	DFT-s-OFDM 256 QAM	1@50	19.07	23.77	0.2382
38	15	10	515000	2575	CP-OFDM QPSK	26@13	22.06	26.76	0.4742
38	15	10	515000	2575	CP-OFDM QPSK	1@1	21.99	26.69	0.4667
38	15	10	515000	2575	CP-OFDM QPSK	1@50	22.13	26.83	0.4819
38	15	10	519000	2595	DFT-s-OFDM PI/2 BPSK	25@12	23.63	28.33	0.6808
38	15	10	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.53	28.23	0.6653
38	15	10	519000	2595	DFT-s-OFDM PI/2 BPSK	1@50	23.74	28.44	0.6982
38	15	10	519000	2595	DFT-s-OFDM QPSK	25@12	23.66	28.36	0.6855
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@1	23.49	28.19	0.6592
38	15	10	519000	2595	DFT-s-OFDM QPSK	1@50	23.72	28.42	0.6950
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	25@12	22.69	27.39	0.5483
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.37	27.07	0.5093
38	15	10	519000	2595	DFT-s-OFDM 16 QAM	1@50	22.47	27.17	0.5212
38	15	10	519000	2595	DFT-s-OFDM 64 QAM	25@12	21.34	26.04	0.4018
38	15	10	519000	2595	DFT-s-OFDM 64 QAM	1@1	21.12	25.82	0.3819
38	15	10	519000	2595	DFT-s-OFDM 64 QAM	1@50	21.17	25.87	0.3864
38	15	10	519000	2595	DFT-s-OFDM 256 QAM	25@12	19.26	23.96	0.2489
38	15	10	519000	2595	DFT-s-OFDM 256 QAM	1@1	19.17	23.87	0.2438
38	15	10	519000	2595	DFT-s-OFDM 256 QAM	1@50	19.33	24.03	0.2529
38	15	10	519000	2595	CP-OFDM QPSK	26@13	22.19	26.89	0.4887
38	15	10	519000	2595	CP-OFDM QPSK	1@1	22.18	26.88	0.4875
38	15	10	519000	2595	CP-OFDM QPSK	1@50	22.2	26.9	0.4898
38	15	10	523000	2615	DFT-s-OFDM PI/2 BPSK	25@12	23.6	28.3	0.6761
38	15	10	523000	2615	DFT-s-OFDM PI/2 BPSK	1@1	23.53	28.23	0.6653
38	15	10	523000	2615	DFT-s-OFDM PI/2 BPSK	1@50	23.67	28.37	0.6871
38	15	10	523000	2615	DFT-s-OFDM QPSK	25@12	23.63	28.33	0.6808
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.57	28.27	0.6714
38	15	10	523000	2615	DFT-s-OFDM QPSK	1@50	23.64	28.34	0.6823

38	15	10	523000	2615	DFT-s-OFDM 16 QAM	25@12	22.64	27.34	0.5420
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	22.37	27.07	0.5093
38	15	10	523000	2615	DFT-s-OFDM 16 QAM	1@50	22.68	27.38	0.5470
38	15	10	523000	2615	DFT-s-OFDM 64 QAM	25@12	21.26	25.96	0.3945
38	15	10	523000	2615	DFT-s-OFDM 64 QAM	1@1	21.09	25.79	0.3793
38	15	10	523000	2615	DFT-s-OFDM 64 QAM	1@50	21.17	25.87	0.3864
38	15	10	523000	2615	DFT-s-OFDM 256 QAM	25@12	19.27	23.97	0.2495
38	15	10	523000	2615	DFT-s-OFDM 256 QAM	1@1	19.13	23.83	0.2415
38	15	10	523000	2615	DFT-s-OFDM 256 QAM	1@50	19.26	23.96	0.2489
38	15	10	523000	2615	CP-OFDM QPSK	26@13	22.15	26.85	0.4842
38	15	10	523000	2615	CP-OFDM QPSK	1@1	22.07	26.77	0.4753
38	15	10	523000	2615	CP-OFDM QPSK	1@50	22.17	26.87	0.4864
38	15	15	515500	2577.5	DFT-s-OFDM PI/2 BPSK	36@18	23.6	28.3	0.6761
38	15	15	515500	2577.5	DFT-s-OFDM PI/2 BPSK	1@1	23.3	28	0.6310
38	15	15	515500	2577.5	DFT-s-OFDM PI/2 BPSK	1@77	23.54	28.24	0.6668
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	36@18	23.6	28.3	0.6761
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.34	28.04	0.6368
38	15	15	515500	2577.5	DFT-s-OFDM QPSK	1@77	23.59	28.29	0.6745
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	36@18	22.56	27.26	0.5321
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	22.24	26.94	0.4943
38	15	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@77	22.52	27.22	0.5272
38	15	15	515500	2577.5	DFT-s-OFDM 64 QAM	36@18	21.22	25.92	0.3908
38	15	15	515500	2577.5	DFT-s-OFDM 64 QAM	1@1	21.1	25.8	0.3802
38	15	15	515500	2577.5	DFT-s-OFDM 64 QAM	1@77	20.95	25.65	0.3673
38	15	15	515500	2577.5	DFT-s-OFDM 256 QAM	36@18	19.16	23.86	0.2432
38	15	15	515500	2577.5	DFT-s-OFDM 256 QAM	1@1	18.92	23.62	0.2301
38	15	15	515500	2577.5	DFT-s-OFDM 256 QAM	1@77	19.1	23.8	0.2399
38	15	15	515500	2577.5	CP-OFDM QPSK	39@19	22.04	26.74	0.4721
38	15	15	515500	2577.5	CP-OFDM QPSK	1@1	21.85	26.55	0.4519
38	15	15	515500	2577.5	CP-OFDM QPSK	1@77	22.08	26.78	0.4764
38	15	15	519000	2577.5	DFT-s-OFDM PI/2 BPSK	36@18	23.55	28.25	0.6683
38	15	15	519000	2577.5	DFT-s-OFDM PI/2 BPSK	1@1	23.3	28	0.6310
38	15	15	519000	2595	DFT-s-OFDM PI/2 BPSK	1@77	23.7	28.4	0.6918
38	15	15	519000	2595	DFT-s-OFDM QPSK	36@18	23.7	28.4	0.6918

38	15	15	519000	2595	DFT-s-OFDM QPSK	1@1	23.41	28.11	0.6471
38	15	15	519000	2595	DFT-s-OFDM QPSK	1@77	23.63	28.33	0.6808
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	36@18	22.69	27.39	0.5483
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.32	27.02	0.5035
38	15	15	519000	2595	DFT-s-OFDM 16 QAM	1@77	22.74	27.44	0.5546
38	15	15	519000	2595	DFT-s-OFDM 64 QAM	36@18	21.28	25.98	0.3963
38	15	15	519000	2595	DFT-s-OFDM 64 QAM	1@1	21.02	25.72	0.3733
38	15	15	519000	2595	DFT-s-OFDM 64 QAM	1@77	21.12	25.82	0.3819
38	15	15	519000	2595	DFT-s-OFDM 256 QAM	36@18	19.26	23.96	0.2489
38	15	15	519000	2595	DFT-s-OFDM 256 QAM	1@1	19.13	23.83	0.2415
38	15	15	519000	2595	DFT-s-OFDM 256 QAM	1@77	19.25	23.95	0.2483
38	15	15	519000	2595	CP-OFDM QPSK	39@19	22.18	26.88	0.4875
38	15	15	519000	2595	CP-OFDM QPSK	1@1	22.08	26.78	0.4764
38	15	15	519000	2595	CP-OFDM QPSK	1@77	22.23	26.93	0.4932
38	15	15	522500	2612.5	DFT-s-OFDM PI/2 BPSK	36@18	23.66	28.36	0.6855
38	15	15	522500	2612.5	DFT-s-OFDM PI/2 BPSK	1@1	23.5	28.2	0.6607
38	15	15	522500	2612.5	DFT-s-OFDM PI/2 BPSK	1@77	23.6	28.3	0.6761
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	36@18	23.67	28.37	0.6871
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.5	28.2	0.6607
38	15	15	522500	2612.5	DFT-s-OFDM QPSK	1@77	23.59	28.29	0.6745
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	36@18	22.7	27.4	0.5495
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	22.33	27.03	0.5047
38	15	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@77	22.39	27.09	0.5117
38	15	15	522500	2612.5	DFT-s-OFDM 64 QAM	36@18	21.13	25.83	0.3828
38	15	15	522500	2612.5	DFT-s-OFDM 64 QAM	1@1	21.04	25.74	0.3750
38	15	15	522500	2612.5	DFT-s-OFDM 64 QAM	1@77	20.94	25.64	0.3664
38	15	15	522500	2612.5	DFT-s-OFDM 256 QAM	36@18	19.25	23.95	0.2483
38	15	15	522500	2612.5	DFT-s-OFDM 256 QAM	1@1	19.1	23.8	0.2399
38	15	15	522500	2612.5	DFT-s-OFDM 256 QAM	1@77	19.13	23.83	0.2415
38	15	15	522500	2612.5	CP-OFDM QPSK	39@19	22.18	26.88	0.4875
38	15	15	522500	2612.5	CP-OFDM QPSK	1@1	22.04	26.74	0.4721
38	15	15	522500	2612.5	CP-OFDM QPSK	1@77	22.13	26.83	0.4819
38	15	20	516000	2612.5	DFT-s-OFDM PI/2 BPSK	50@25	23.15	27.85	0.6095
38	15	20	516000	2612.5	DFT-s-OFDM PI/2 BPSK	1@1	23.55	28.25	0.6683

38	15	20	516000	2580	DFT-s-OFDM PI/2 BPSK	1@104	23.52	28.22	0.6637
38	15	20	516000	2580	DFT-s-OFDM QPSK	50@25	23.61	28.31	0.6776
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.34	28.04	0.6368
38	15	20	516000	2580	DFT-s-OFDM QPSK	1@104	23.68	28.38	0.6887
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	50@25	22.61	27.31	0.5383
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.3	27	0.5012
38	15	20	516000	2580	DFT-s-OFDM 16 QAM	1@104	22.43	27.13	0.5164
38	15	20	516000	2580	DFT-s-OFDM 64 QAM	50@25	21.18	25.88	0.3873
38	15	20	516000	2580	DFT-s-OFDM 64 QAM	1@1	21.1	25.8	0.3802
38	15	20	516000	2580	DFT-s-OFDM 64 QAM	1@104	21.22	25.92	0.3908
38	15	20	516000	2580	DFT-s-OFDM 256 QAM	50@25	19.23	23.93	0.2472
38	15	20	516000	2580	DFT-s-OFDM 256 QAM	1@1	19.07	23.77	0.2382
38	15	20	516000	2580	DFT-s-OFDM 256 QAM	1@104	19.34	24.04	0.2535
38	15	20	516000	2580	CP-OFDM QPSK	53@26	22.06	26.76	0.4742
38	15	20	516000	2580	CP-OFDM QPSK	1@1	22.05	26.75	0.4732
38	15	20	516000	2580	CP-OFDM QPSK	1@104	22.27	26.97	0.4977
38	15	20	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	23.67	28.37	0.6871
38	15	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	23.49	28.19	0.6592
38	15	20	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	23.65	28.35	0.6839
38	15	20	519000	2595	DFT-s-OFDM QPSK	50@25	23.71	28.41	0.6934
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.59	28.29	0.6745
38	15	20	519000	2595	DFT-s-OFDM QPSK	1@104	23.73	28.43	0.6966
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	50@25	22.72	27.42	0.5521
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.51	27.21	0.5260
38	15	20	519000	2595	DFT-s-OFDM 16 QAM	1@104	22.68	27.38	0.5470
38	15	20	519000	2595	DFT-s-OFDM 64 QAM	50@25	21.21	25.91	0.3899
38	15	20	519000	2595	DFT-s-OFDM 64 QAM	1@1	21.01	25.71	0.3724
38	15	20	519000	2595	DFT-s-OFDM 64 QAM	1@104	21.33	26.03	0.4009
38	15	20	519000	2595	DFT-s-OFDM 256 QAM	50@25	19.34	24.04	0.2535
38	15	20	519000	2595	DFT-s-OFDM 256 QAM	1@1	19.22	23.92	0.2466
38	15	20	519000	2595	DFT-s-OFDM 256 QAM	1@104	19.3	24	0.2512
38	15	20	519000	2595	CP-OFDM QPSK	53@26	22.2	26.9	0.4898
38	15	20	519000	2595	CP-OFDM QPSK	1@1	22.09	26.79	0.4775
38	15	20	519000	2595	CP-OFDM QPSK	1@104	22.28	26.98	0.4989

38	15	20	522000	2610	DFT-s-OFDM PI/2 BPSK	50@25	23.69	28.39	0.6902
38	15	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@1	23.6	28.3	0.6761
38	15	20	522000	2610	DFT-s-OFDM PI/2 BPSK	1@104	23.62	28.32	0.6792
38	15	20	522000	2610	DFT-s-OFDM QPSK	50@25	23.72	28.42	0.6950
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.64	28.34	0.6823
38	15	20	522000	2610	DFT-s-OFDM QPSK	1@104	23.67	28.37	0.6871
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	50@25	22.69	27.39	0.5483
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.59	27.29	0.5358
38	15	20	522000	2610	DFT-s-OFDM 16 QAM	1@104	22.47	27.17	0.5212
38	15	20	522000	2610	DFT-s-OFDM 64 QAM	50@25	21.16	25.86	0.3855
38	15	20	522000	2610	DFT-s-OFDM 64 QAM	1@1	21.08	25.78	0.3784
38	15	20	522000	2610	DFT-s-OFDM 64 QAM	1@104	21.3	26	0.3981
38	15	20	522000	2610	DFT-s-OFDM 256 QAM	50@25	19.32	24.02	0.2523
38	15	20	522000	2610	DFT-s-OFDM 256 QAM	1@1	19.21	23.91	0.2460
38	15	20	522000	2610	DFT-s-OFDM 256 QAM	1@104	19.34	24.04	0.2535
38	15	20	522000	2610	CP-OFDM QPSK	53@26	22.18	26.88	0.4875
38	15	20	522000	2610	CP-OFDM QPSK	1@1	22.21	26.91	0.4909
38	15	20	522000	2610	CP-OFDM QPSK	1@104	22.2	26.9	0.4898

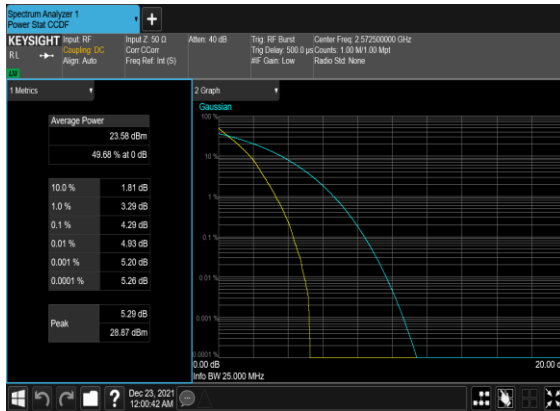
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0031	PASS	NV
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0008	PASS	LV
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0008	PASS	HV
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0019	PASS	-30°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0039	PASS	-20°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0000	PASS	-10°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0035	PASS	0°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0004	PASS	10°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0000	PASS	20°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0000	PASS	30°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0019	PASS	40°C
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	0.0035	PASS	50°C

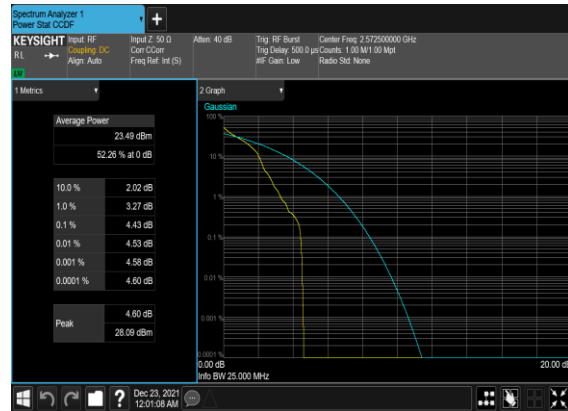
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM PI/2 BPSK	25@0	4.29	13	PASS
38	15	5	514500	2572.5	DFT-s-OFDM PI/2 BPSK	1@0	4.43	13	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	25@0	5.55	13	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	5.81	13	PASS
38	15	5	519000	2595.0	DFT-s-OFDM PI/2 BPSK	25@0	4.58	13	PASS
38	15	5	519000	2595.0	DFT-s-OFDM PI/2 BPSK	1@0	4.26	13	PASS
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	5.95	13	PASS
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	1@0	6.35	13	PASS
38	15	5	523500	2617.5	DFT-s-OFDM PI/2 BPSK	25@0	4.61	13	PASS
38	15	5	523500	2617.5	DFT-s-OFDM PI/2 BPSK	1@0	4.84	13	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	25@0	5.94	13	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	6.41	13	PASS

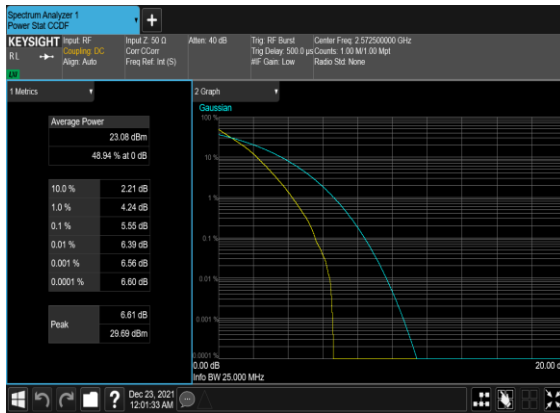
N38(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



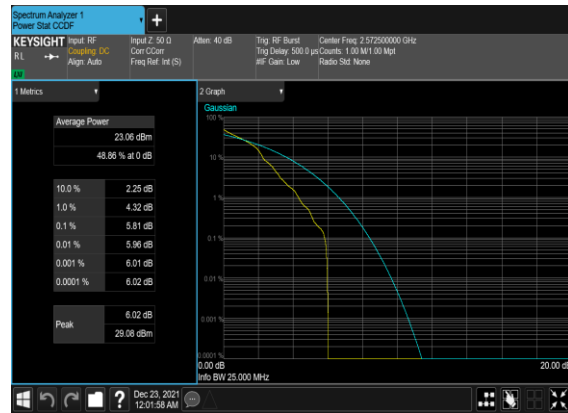
N38(5M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



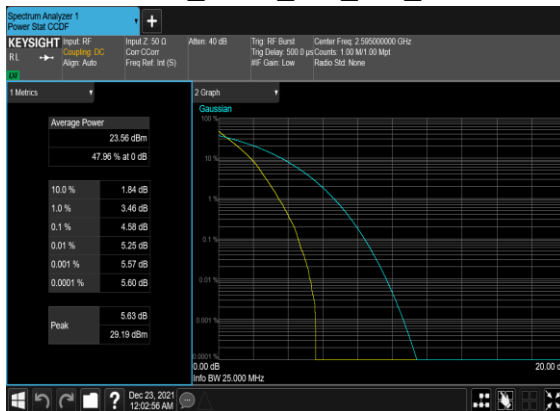
N38(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



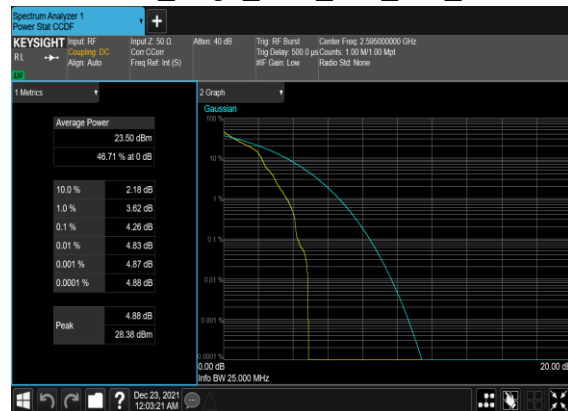
N38(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



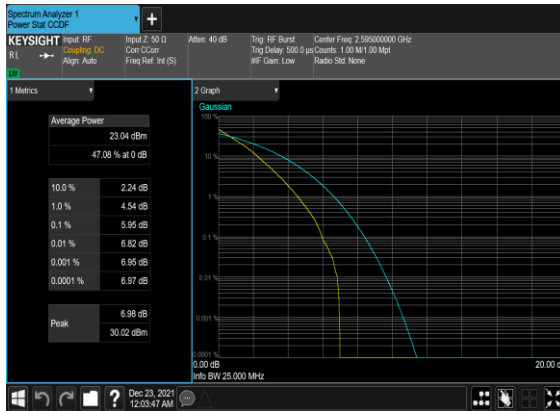
N38(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



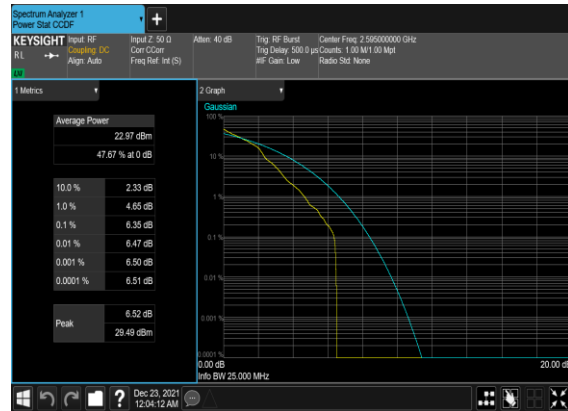
N38(5M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



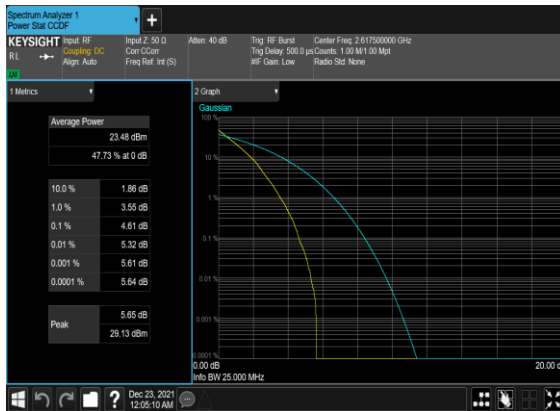
N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



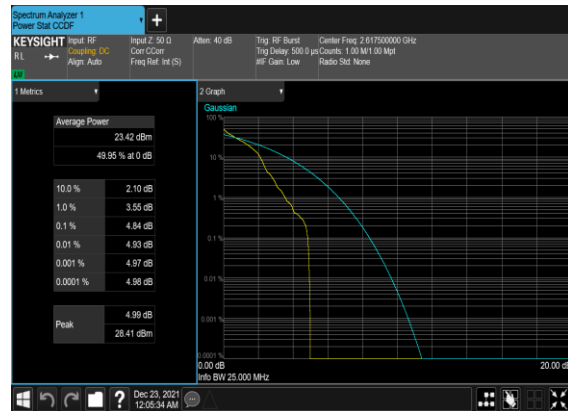
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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



N38(5M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N38(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



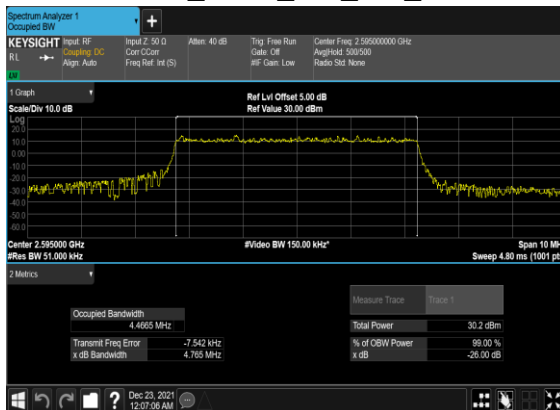
N38(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



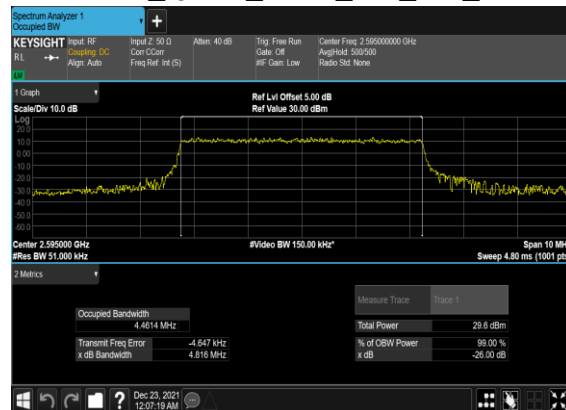
Occupied Bandwidth

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	4.4665	4.765
38	15	5	519000	2595.0	DFT-s-OFDM QPSK	25@0	4.4614	4.816
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	4.4595	4.782
38	15	5	519000	2595.0	CP-OFDM 16 QAM	25@0	4.4659	4.957
38	15	5	519000	2595.0	CP-OFDM 64 QAM	25@0	4.4772	4.939
38	15	5	519000	2595.0	CP-OFDM 256 QAM	25@0	4.4686	4.834

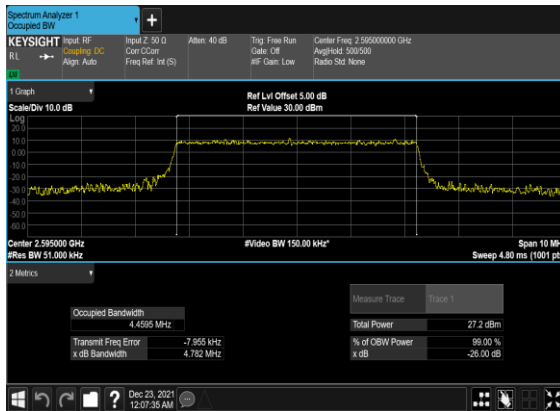
N38(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



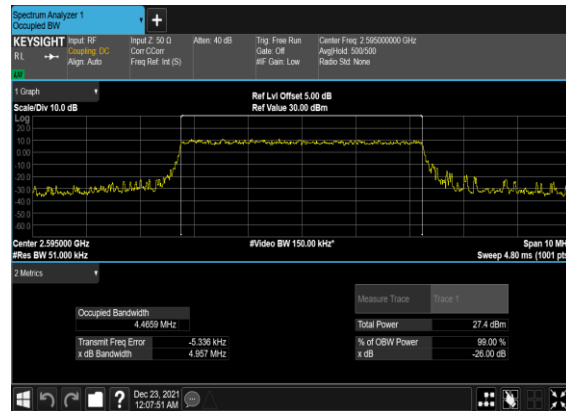
N38(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



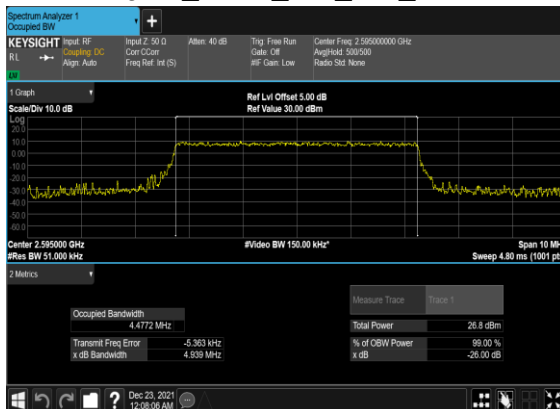
N38(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



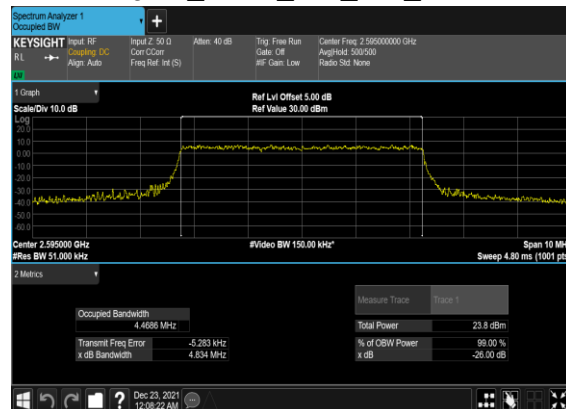
N38(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N38(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



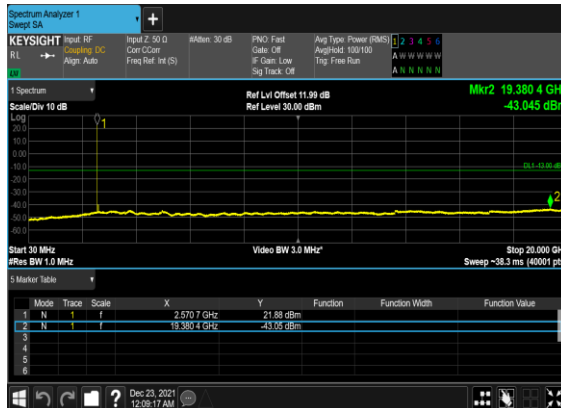
N38(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



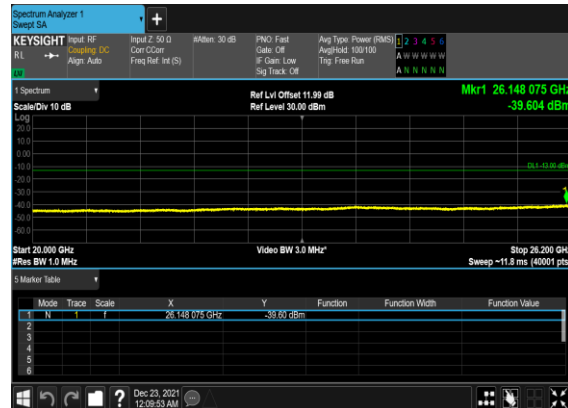
Conducted Spurious Emissions

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

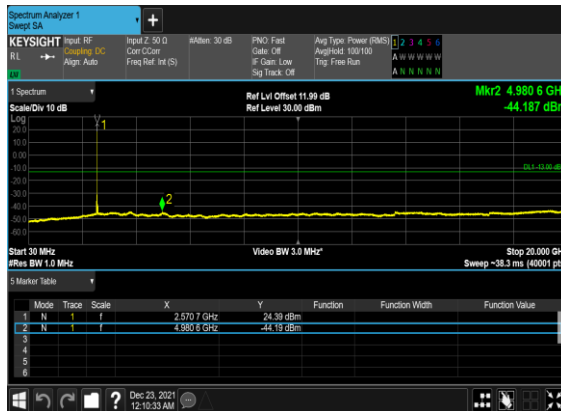
N38(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



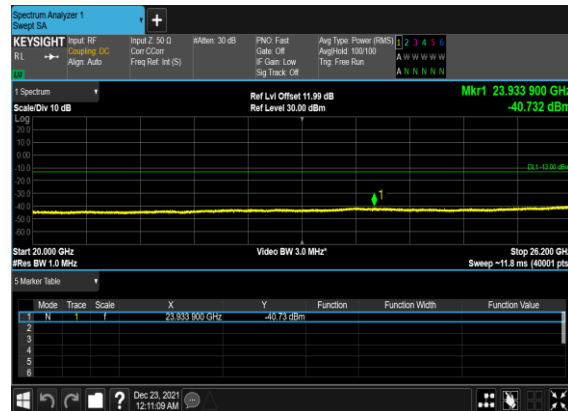
N38(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N38(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



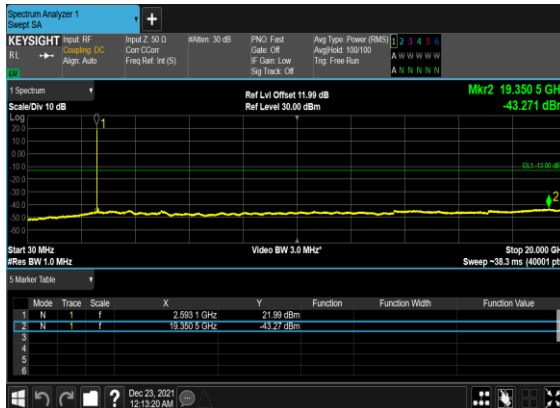
N38(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



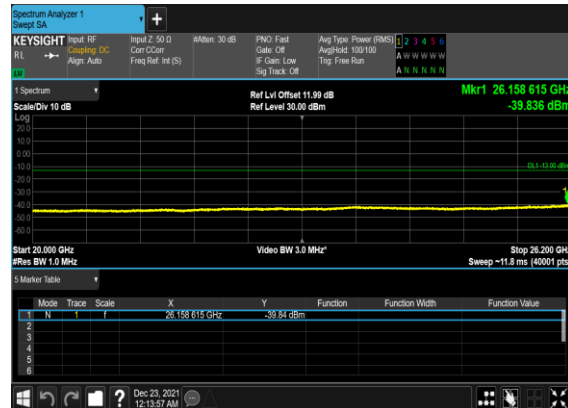
N38(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



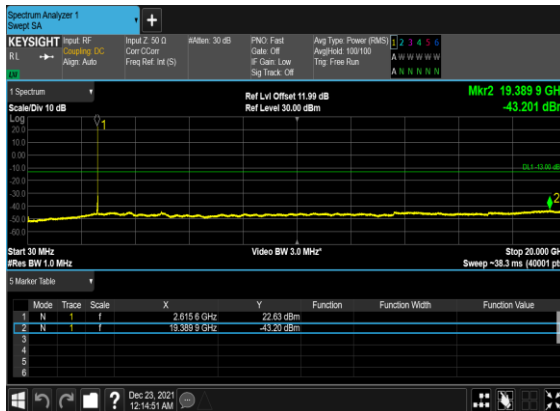
N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



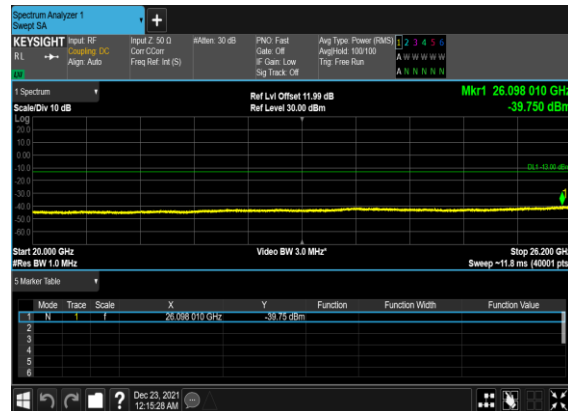
N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



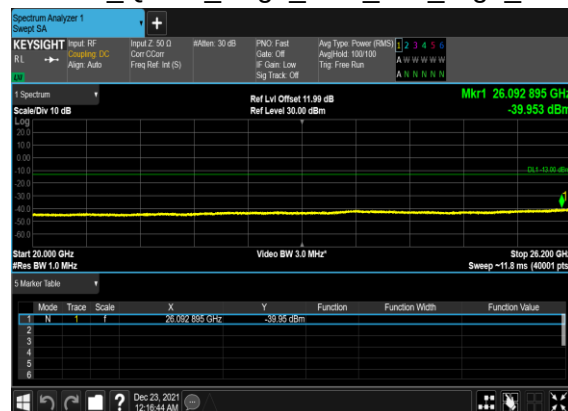
N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



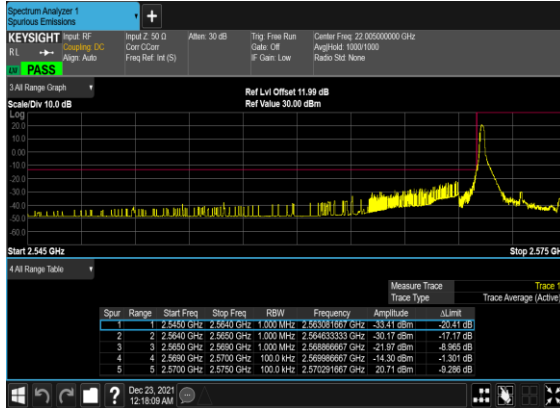
N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



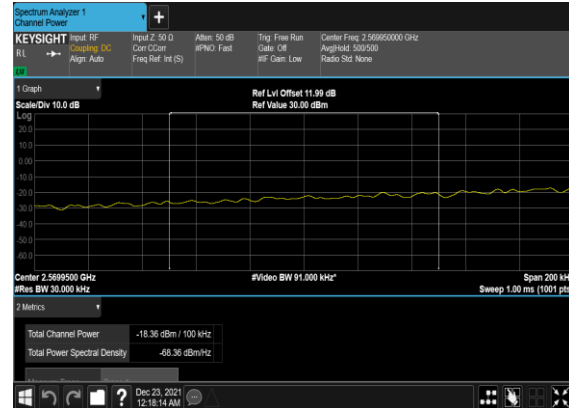
Conducted Band Edge

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

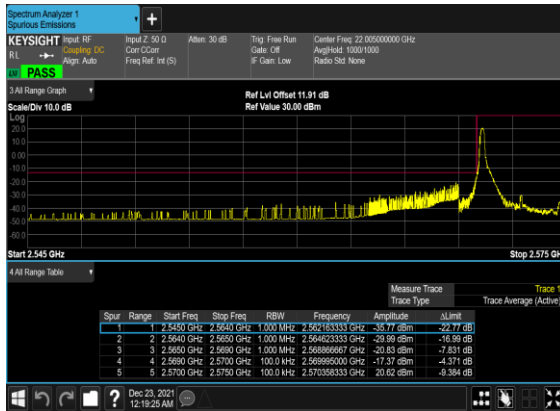
N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



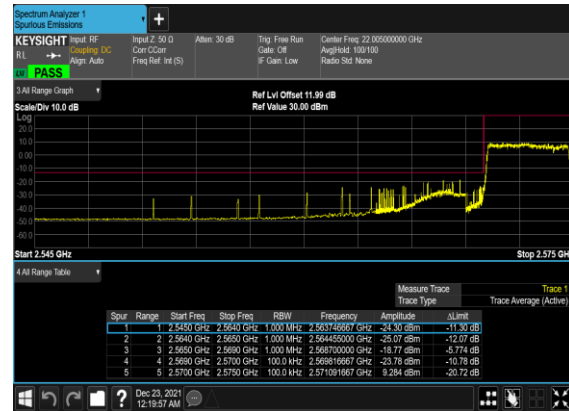
N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_ PASS



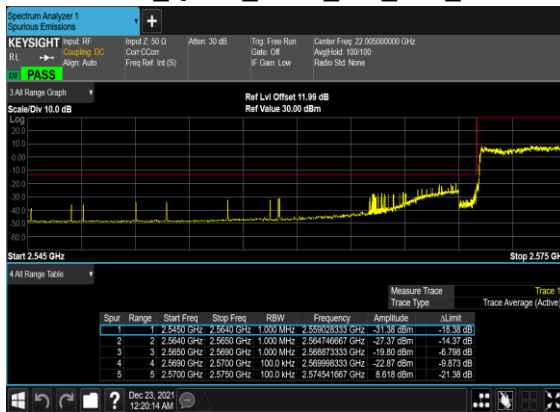
N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



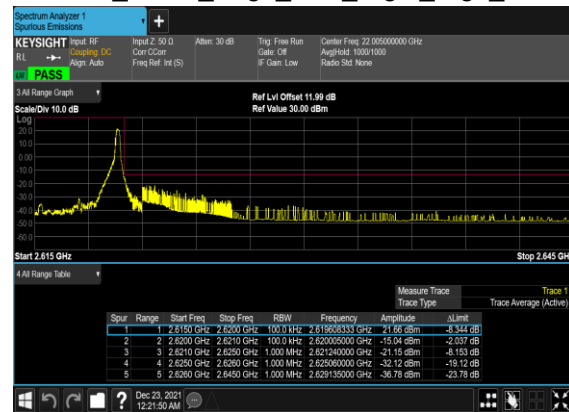
N38(5M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



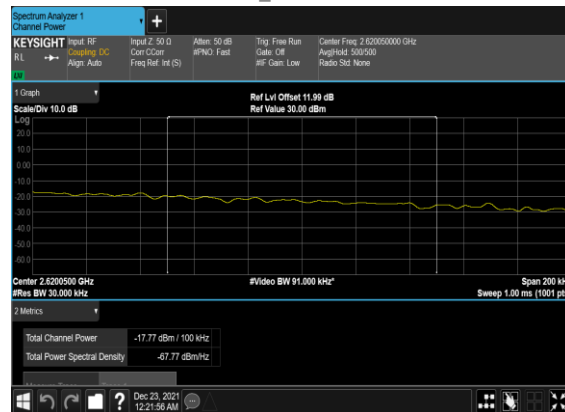
N38(5M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



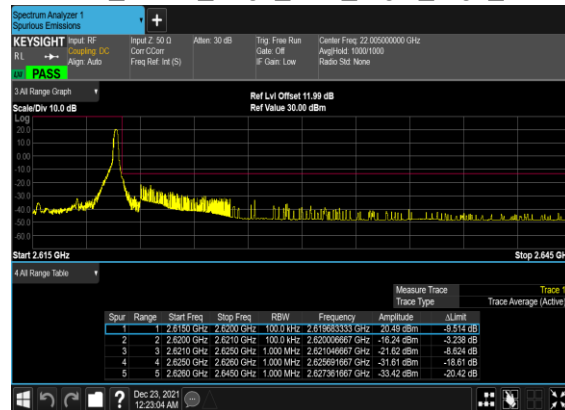
N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



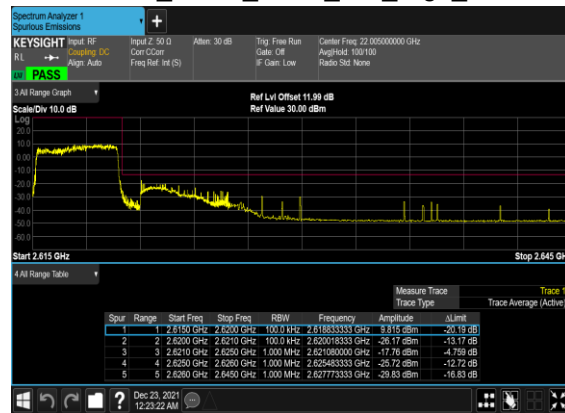
N38(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_chn _PASS



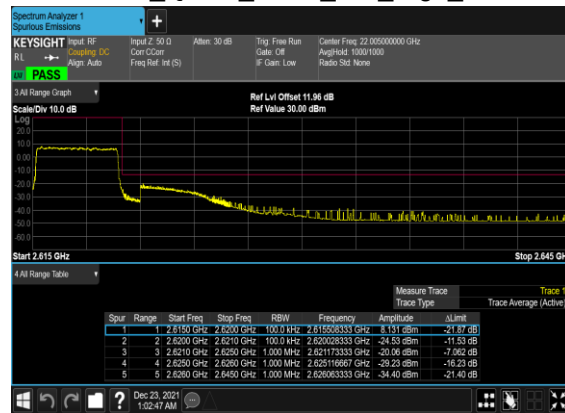
N38(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N38(5M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N38(5M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N38(MIMO ANT5+6) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.7dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power(dBm)	ANT2 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	15	5	514500	2572.5	CP-OFDM QPSK	12@6	19.52	19.45	22.50	27.20	0.5243
38	15	5	514500	2572.5	CP-OFDM QPSK	1@1	19.6	19.37	22.50	27.20	0.5244
38	15	5	514500	2572.5	CP-OFDM QPSK	1@23	19.64	19.42	22.54	27.24	0.5299
38	15	5	514500	2572.5	CP-OFDM 16 QAM	12@6	19.48	19.5	22.50	27.20	0.5248
38	15	5	514500	2572.5	CP-OFDM 16 QAM	1@1	19.47	19.48	22.49	27.19	0.5230
38	15	5	514500	2572.5	CP-OFDM 16 QAM	1@23	19.58	19.51	22.56	27.26	0.5315
38	15	5	514500	2572.5	CP-OFDM 64 QAM	12@6	18.99	18.97	21.99	26.69	0.4667
38	15	5	514500	2572.5	CP-OFDM 64 QAM	1@1	19.14	18.97	22.07	26.77	0.4749
38	15	5	514500	2572.5	CP-OFDM 64 QAM	1@23	19.18	18.99	22.10	26.80	0.4782
38	15	5	514500	2572.5	CP-OFDM 256 QAM	12@6	17.46	17.49	20.49	25.19	0.3300
38	15	5	514500	2572.5	CP-OFDM 256 QAM	1@1	17.58	17.58	20.59	25.29	0.3381
38	15	5	514500	2572.5	CP-OFDM 256 QAM	1@23	17.54	16.94	20.26	24.96	0.3134
38	15	5	514500	2572.5	CP-OFDM QPSK	12@6	14.51	14.39	17.46	22.16	0.1645
38	15	5	514500	2572.5	CP-OFDM QPSK	1@1	14.51	14.32	17.43	22.13	0.1632
38	15	5	514500	2572.5	CP-OFDM QPSK	1@23	14.79	14.35	17.59	22.29	0.1693
38	15	5	514500	2572.5	CP-OFDM 16 QAM	13@6	19.53	19.45	22.50	27.20	0.5249
38	15	5	514500	2572.5	CP-OFDM 16 QAM	1@1	19.42	19.43	22.44	27.14	0.5170
38	15	5	514500	2572.5	CP-OFDM 16 QAM	1@23	19.39	19.54	22.48	27.18	0.5219
38	15	5	519000	2595	CP-OFDM 64 QAM	12@6	19.7	19.7	22.71	27.41	0.5508
38	15	5	519000	2595	CP-OFDM 64 QAM	1@1	19.56	19.64	22.61	27.31	0.5383
38	15	5	519000	2595	CP-OFDM 64 QAM	1@23	19.58	19.69	22.65	27.35	0.5427
38	15	5	519000	2595	CP-OFDM 256 QAM	12@6	19.66	19.76	22.72	27.42	0.5522
38	15	5	519000	2595	CP-OFDM 256 QAM	1@1	19.69	19.76	22.74	27.44	0.5540
38	15	5	519000	2595	CP-OFDM 256 QAM	1@23	19.66	19.78	22.73	27.43	0.5534
38	15	5	519000	2595	CP-OFDM QPSK	12@6	19.16	19.32	22.25	26.95	0.4956
38	15	5	519000	2595	CP-OFDM QPSK	1@1	19.33	19.24	22.30	27.00	0.5007
38	15	5	519000	2595	CP-OFDM QPSK	1@23	19.33	19.27	22.31	27.01	0.5024
38	15	5	519000	2595	CP-OFDM 16 QAM	12@6	17.68	17.8	20.75	25.45	0.3508

38	15	5	519000	2595	CP-OFDM 16 QAM	1@1	17.85	17.83	20.85	25.55	0.3589
38	15	5	519000	2595	CP-OFDM 16 QAM	1@23	17.73	17.24	20.50	25.20	0.3313
38	15	5	519000	2595	CP-OFDM 64 QAM	12@6	14.71	14.69	17.71	22.41	0.1742
38	15	5	519000	2595	CP-OFDM 64 QAM	1@1	14.77	14.13	17.47	22.17	0.1649
38	15	5	519000	2595	CP-OFDM 64 QAM	1@23	14.91	14.13	17.55	22.25	0.1678
38	15	5	519000	2595	CP-OFDM 256 QAM	13@6	19.64	19.72	22.69	27.39	0.5483
38	15	5	519000	2595	CP-OFDM 256 QAM	1@1	19.69	19.77	22.74	27.44	0.5547
38	15	5	519000	2595	CP-OFDM 256 QAM	1@23	19.59	19.86	22.74	27.44	0.5543
38	15	5	523500	2617.5	CP-OFDM QPSK	12@6	19.65	19.81	22.74	27.44	0.5548
38	15	5	523500	2617.5	CP-OFDM QPSK	1@1	19.65	19.85	22.76	27.46	0.5574
38	15	5	523500	2617.5	CP-OFDM QPSK	1@23	19.5	19.72	22.62	27.32	0.5397
38	15	5	523500	2617.5	CP-OFDM 16 QAM	12@6	19.61	19.83	22.73	27.43	0.5536
38	15	5	523500	2617.5	CP-OFDM 16 QAM	1@1	19.63	19.85	22.75	27.45	0.5561
38	15	5	523500	2617.5	CP-OFDM 16 QAM	1@23	19.66	19.82	22.75	27.45	0.5560
38	15	5	523500	2617.5	CP-OFDM 64 QAM	12@6	19.11	19.4	22.27	26.97	0.4975
38	15	5	523500	2617.5	CP-OFDM 64 QAM	1@1	19.49	19.34	22.43	27.13	0.5159
38	15	5	523500	2617.5	CP-OFDM 64 QAM	1@23	19.46	19.32	22.40	27.10	0.5130
38	15	5	523500	2617.5	CP-OFDM 256 QAM	12@6	17.65	17.86	20.77	25.47	0.3521
38	15	5	523500	2617.5	CP-OFDM 256 QAM	1@1	17.76	17.98	20.88	25.58	0.3616
38	15	5	523500	2617.5	CP-OFDM 256 QAM	1@23	17.66	17.25	20.47	25.17	0.3289
38	15	5	523500	2617.5	CP-OFDM QPSK	12@6	14.6	14.76	17.69	22.39	0.1734
38	15	5	523500	2617.5	CP-OFDM QPSK	1@1	14.59	14.28	17.45	22.15	0.1640
38	15	5	523500	2617.5	CP-OFDM QPSK	1@23	14.51	14.16	17.35	22.05	0.1603
38	15	5	523500	2617.5	CP-OFDM 16 QAM	13@6	19.6	19.83	22.73	27.43	0.5529
38	15	5	523500	2617.5	CP-OFDM 16 QAM	1@1	19.64	19.91	22.79	27.49	0.5607
38	15	5	523500	2617.5	CP-OFDM 16 QAM	1@23	19.62	19.88	22.76	27.46	0.5575
38	15	10	515000	2575	CP-OFDM 64 QAM	25@12	19.56	19.59	22.59	27.29	0.5352
38	15	10	515000	2575	CP-OFDM 64 QAM	1@1	19.51	19.39	22.46	27.16	0.5201
38	15	10	515000	2575	CP-OFDM 64 QAM	1@50	19.69	19.59	22.65	27.35	0.5433
38	15	10	515000	2575	CP-OFDM 256 QAM	25@12	19.57	19.6	22.60	27.30	0.5365
38	15	10	515000	2575	CP-OFDM 256 QAM	1@1	19.45	19.38	22.43	27.13	0.5159
38	15	10	515000	2575	CP-OFDM 256 QAM	1@50	19.8	19.68	22.75	27.45	0.5560
38	15	10	515000	2575	CP-OFDM QPSK	25@12	19.06	19.09	22.09	26.79	0.4770
38	15	10	515000	2575	CP-OFDM QPSK	1@1	19.11	18.93	22.03	26.73	0.4711

38	15	10	515000	2575	CP-OFDM QPSK	1@50	19.42	19.16	22.30	27.00	0.5014
38	15	10	515000	2575	CP-OFDM 16 QAM	25@12	17.51	17.65	20.59	25.29	0.3381
38	15	10	515000	2575	CP-OFDM 16 QAM	1@1	17.5	17.56	20.54	25.24	0.3342
38	15	10	515000	2575	CP-OFDM 16 QAM	1@50	17.88	17.14	20.54	25.24	0.3339
38	15	10	515000	2575	CP-OFDM 64 QAM	25@12	14.56	14.6	17.59	22.29	0.1694
38	15	10	515000	2575	CP-OFDM 64 QAM	1@1	14.35	14.43	17.40	22.10	0.1622
38	15	10	515000	2575	CP-OFDM 64 QAM	1@50	14.69	14.04	17.39	22.09	0.1617
38	15	10	515000	2575	CP-OFDM 256 QAM	26@13	19.58	19.6	22.60	27.30	0.5371
38	15	10	515000	2575	CP-OFDM 256 QAM	1@1	19.37	19.47	22.43	27.13	0.5165
38	15	10	515000	2575	CP-OFDM 256 QAM	1@50	19.66	19.68	22.68	27.38	0.5471
38	15	10	519000	2595	CP-OFDM QPSK	25@12	19.7	19.77	22.75	27.45	0.5553
38	15	10	519000	2595	CP-OFDM QPSK	1@1	19.55	19.58	22.58	27.28	0.5340
38	15	10	519000	2595	CP-OFDM QPSK	1@50	19.82	19.69	22.77	27.47	0.5579
38	15	10	519000	2595	CP-OFDM 16 QAM	25@12	19.69	19.77	22.74	27.44	0.5547
38	15	10	519000	2595	CP-OFDM 16 QAM	1@1	19.65	19.63	22.65	27.35	0.5433
38	15	10	519000	2595	CP-OFDM 16 QAM	1@50	19.79	19.77	22.79	27.49	0.5611
38	15	10	519000	2595	CP-OFDM 64 QAM	25@12	19.16	19.25	22.22	26.92	0.4915
38	15	10	519000	2595	CP-OFDM 64 QAM	1@1	19.28	19.16	22.23	26.93	0.4933
38	15	10	519000	2595	CP-OFDM 64 QAM	1@50	19.46	19.59	22.54	27.24	0.5291
38	15	10	519000	2595	CP-OFDM 256 QAM	25@12	17.61	17.74	20.69	25.39	0.3456
38	15	10	519000	2595	CP-OFDM 256 QAM	1@1	17.89	17.09	20.52	25.22	0.3326
38	15	10	519000	2595	CP-OFDM 256 QAM	1@50	17.86	17.2	20.55	25.25	0.3352
38	15	10	519000	2595	CP-OFDM QPSK	25@12	14.59	14.78	17.70	22.40	0.1736
38	15	10	519000	2595	CP-OFDM QPSK	1@1	14.62	14.11	17.38	22.08	0.1615
38	15	10	519000	2595	CP-OFDM QPSK	1@50	14.73	14.23	17.50	22.20	0.1659
38	15	10	519000	2595	CP-OFDM 16 QAM	26@13	19.73	19.78	22.77	27.47	0.5579
38	15	10	519000	2595	CP-OFDM 16 QAM	1@1	19.59	19.68	22.65	27.35	0.5427
38	15	10	519000	2595	CP-OFDM 16 QAM	1@50	19.78	19.78	22.79	27.49	0.5611
38	15	10	523000	2615	CP-OFDM 64 QAM	25@12	19.63	19.82	22.74	27.44	0.5542
38	15	10	523000	2615	CP-OFDM 64 QAM	1@1	19.62	19.65	22.65	27.35	0.5427
38	15	10	523000	2615	CP-OFDM 64 QAM	1@50	19.76	19.77	22.78	27.48	0.5592
38	15	10	523000	2615	CP-OFDM 256 QAM	25@12	19.61	19.84	22.74	27.44	0.5542
38	15	10	523000	2615	CP-OFDM 256 QAM	1@1	19.62	19.76	22.70	27.40	0.5497
38	15	10	523000	2615	CP-OFDM 256 QAM	1@50	19.73	19.89	22.82	27.52	0.5651

38	15	10	523000	2615	CP-OFDM QPSK	25@12	19.11	19.35	22.24	26.94	0.4945
38	15	10	523000	2615	CP-OFDM QPSK	1@1	19.24	19.25	22.26	26.96	0.4961
38	15	10	523000	2615	CP-OFDM QPSK	1@50	19.4	19.37	22.40	27.10	0.5123
38	15	10	523000	2615	CP-OFDM 16 QAM	25@12	17.55	17.82	20.70	25.40	0.3465
38	15	10	523000	2615	CP-OFDM 16 QAM	1@1	17.74	17.23	20.50	25.20	0.3313
38	15	10	523000	2615	CP-OFDM 16 QAM	1@50	17.98	17.31	20.67	25.37	0.3442
38	15	10	523000	2615	CP-OFDM 64 QAM	25@12	14.53	14.88	17.72	22.42	0.1745
38	15	10	523000	2615	CP-OFDM 64 QAM	1@1	14.66	14.19	17.44	22.14	0.1637
38	15	10	523000	2615	CP-OFDM 64 QAM	1@50	14.72	14.29	17.52	22.22	0.1667
38	15	10	523000	2615	CP-OFDM 256 QAM	26@13	19.6	19.84	22.73	27.43	0.5536
38	15	10	523000	2615	CP-OFDM 256 QAM	1@1	19.56	19.78	22.68	27.38	0.5472
38	15	10	523000	2615	CP-OFDM 256 QAM	1@50	19.73	19.96	22.86	27.56	0.5697
38	15	15	515500	2577.5	CP-OFDM QPSK	36@18	19.54	19.6	22.58	27.28	0.5346
38	15	15	515500	2577.5	CP-OFDM QPSK	1@1	19.35	19.32	22.35	27.05	0.5064
38	15	15	515500	2577.5	CP-OFDM QPSK	1@77	19.64	19.6	22.63	27.33	0.5408
38	15	15	515500	2577.5	CP-OFDM 16 QAM	36@18	19.58	19.58	22.59	27.29	0.5358
38	15	15	515500	2577.5	CP-OFDM 16 QAM	1@1	19.33	19.43	22.39	27.09	0.5118
38	15	15	515500	2577.5	CP-OFDM 16 QAM	1@77	19.6	19.7	22.66	27.36	0.5446
38	15	15	515500	2577.5	CP-OFDM 64 QAM	36@18	19.13	19.06	22.11	26.81	0.4792
38	15	15	515500	2577.5	CP-OFDM 64 QAM	1@1	18.98	18.92	21.96	26.66	0.4635
38	15	15	515500	2577.5	CP-OFDM 64 QAM	1@77	18.88	19.19	22.05	26.75	0.4729
38	15	15	515500	2577.5	CP-OFDM 256 QAM	36@18	17.56	17.59	20.59	25.29	0.3377
38	15	15	515500	2577.5	CP-OFDM 256 QAM	1@1	17.44	17.48	20.47	25.17	0.3289
38	15	15	515500	2577.5	CP-OFDM 256 QAM	1@77	17.91	17.8	20.87	25.57	0.3602
38	15	15	515500	2577.5	CP-OFDM QPSK	36@18	14.5	14.55	17.54	22.24	0.1673
38	15	15	515500	2577.5	CP-OFDM QPSK	1@1	14.61	14.21	17.42	22.12	0.1631
38	15	15	515500	2577.5	CP-OFDM QPSK	1@77	14.72	14.16	17.46	22.16	0.1644
38	15	15	515500	2577.5	CP-OFDM 16 QAM	39@19	19.59	19.59	22.60	27.30	0.5371
38	15	15	515500	2577.5	CP-OFDM 16 QAM	1@1	19.25	19.4	22.34	27.04	0.5054
38	15	15	515500	2577.5	CP-OFDM 16 QAM	1@77	19.53	19.69	22.62	27.32	0.5396
38	15	15	519000	2595	CP-OFDM 64 QAM	36@18	19.67	19.74	22.72	27.42	0.5515
38	15	15	519000	2595	CP-OFDM 64 QAM	1@1	19.6	19.43	22.53	27.23	0.5280
38	15	15	519000	2595	CP-OFDM 64 QAM	1@77	19.7	19.68	22.70	27.40	0.5496
38	15	15	519000	2595	CP-OFDM 256 QAM	36@18	19.71	19.74	22.74	27.44	0.5540

38	15	15	519000	2595	CP-OFDM 256 QAM	1@1	19.59	19.58	22.60	27.30	0.5365
38	15	15	519000	2595	CP-OFDM 256 QAM	1@77	19.72	19.8	22.77	27.47	0.5585
38	15	15	519000	2595	CP-OFDM QPSK	36@18	19.18	19.2	22.20	26.90	0.4898
38	15	15	519000	2595	CP-OFDM QPSK	1@1	19.21	19.03	22.13	26.83	0.4821
38	15	15	519000	2595	CP-OFDM QPSK	1@77	19.39	19.3	22.36	27.06	0.5076
38	15	15	519000	2595	CP-OFDM 16 QAM	36@18	17.7	17.76	20.74	25.44	0.3500
38	15	15	519000	2595	CP-OFDM 16 QAM	1@1	17.63	17.18	20.42	25.12	0.3252
38	15	15	519000	2595	CP-OFDM 16 QAM	1@77	17.82	17.87	20.86	25.56	0.3594
38	15	15	519000	2595	CP-OFDM 64 QAM	36@18	14.68	14.7	17.70	22.40	0.1738
38	15	15	519000	2595	CP-OFDM 64 QAM	1@1	14.71	14.32	17.53	22.23	0.1671
38	15	15	519000	2595	CP-OFDM 64 QAM	1@77	15.01	14.68	17.86	22.56	0.1802
38	15	15	519000	2595	CP-OFDM 256 QAM	39@19	19.72	19.76	22.75	27.45	0.5559
38	15	15	519000	2595	CP-OFDM 256 QAM	1@1	19.53	19.47	22.51	27.21	0.5261
38	15	15	519000	2595	CP-OFDM 256 QAM	1@77	19.56	19.7	22.64	27.34	0.5421
38	15	15	522500	2612.5	CP-OFDM QPSK	36@18	19.61	19.83	22.73	27.43	0.5536
38	15	15	522500	2612.5	CP-OFDM QPSK	1@1	19.51	19.71	22.62	27.32	0.5397
38	15	15	522500	2612.5	CP-OFDM QPSK	1@77	19.68	19.77	22.74	27.44	0.5541
38	15	15	522500	2612.5	CP-OFDM 16 QAM	36@18	19.66	19.79	22.74	27.44	0.5541
38	15	15	522500	2612.5	CP-OFDM 16 QAM	1@1	19.49	19.84	22.68	27.38	0.5469
38	15	15	522500	2612.5	CP-OFDM 16 QAM	1@77	19.59	19.93	22.77	27.47	0.5589
38	15	15	522500	2612.5	CP-OFDM 64 QAM	36@18	19.17	19.3	22.25	26.95	0.4950
38	15	15	522500	2612.5	CP-OFDM 64 QAM	1@1	19.16	19.6	22.40	27.10	0.5124
38	15	15	522500	2612.5	CP-OFDM 64 QAM	1@77	19.31	19.37	22.35	27.05	0.5070
38	15	15	522500	2612.5	CP-OFDM 256 QAM	36@18	17.61	17.8	20.72	25.42	0.3480
38	15	15	522500	2612.5	CP-OFDM 256 QAM	1@1	17.74	17.86	20.81	25.51	0.3557
38	15	15	522500	2612.5	CP-OFDM 256 QAM	1@77	17.76	17.97	20.88	25.58	0.3611
38	15	15	522500	2612.5	CP-OFDM QPSK	36@18	14.62	14.79	17.72	22.42	0.1744
38	15	15	522500	2612.5	CP-OFDM QPSK	1@1	14.65	14.11	17.40	22.10	0.1621
38	15	15	522500	2612.5	CP-OFDM QPSK	1@77	14.89	14.25	17.59	22.29	0.1695
38	15	15	522500	2612.5	CP-OFDM 16 QAM	39@19	19.61	19.82	22.73	27.43	0.5529
38	15	15	522500	2612.5	CP-OFDM 16 QAM	1@1	19.43	19.73	22.59	27.29	0.5362
38	15	15	522500	2612.5	CP-OFDM 16 QAM	1@77	19.5	19.81	22.67	27.37	0.5455
38	15	20	516000	2580	CP-OFDM 64 QAM	50@25	18.07	18.1	21.10	25.80	0.3798
38	15	20	516000	2580	CP-OFDM 64 QAM	1@1	19.46	19.51	22.50	27.20	0.5242

38	15	20	516000	2580	CP-OFDM 64 QAM	1@104	19.81	19.67	22.75	27.45	0.5560
38	15	20	516000	2580	CP-OFDM 256 QAM	50@25	19.59	19.63	22.62	27.32	0.5396
38	15	20	516000	2580	CP-OFDM 256 QAM	1@1	19.4	19.47	22.45	27.15	0.5183
38	15	20	516000	2580	CP-OFDM 256 QAM	1@104	19.79	19.81	22.81	27.51	0.5637
38	15	20	516000	2580	CP-OFDM QPSK	50@25	19.11	19.16	22.15	26.85	0.4837
38	15	20	516000	2580	CP-OFDM QPSK	1@1	18.64	19.03	21.85	26.55	0.4518
38	15	20	516000	2580	CP-OFDM QPSK	1@104	19.39	19.32	22.37	27.07	0.5088
38	15	20	516000	2580	CP-OFDM 16 QAM	50@25	17.54	17.69	20.63	25.33	0.3409
38	15	20	516000	2580	CP-OFDM 16 QAM	1@1	17.57	17.58	20.59	25.29	0.3377
38	15	20	516000	2580	CP-OFDM 16 QAM	1@104	17.82	17.67	20.76	25.46	0.3512
38	15	20	516000	2580	CP-OFDM 64 QAM	50@25	14.53	14.58	17.57	22.27	0.1685
38	15	20	516000	2580	CP-OFDM 64 QAM	1@1	14.29	14.21	17.26	21.96	0.1571
38	15	20	516000	2580	CP-OFDM 64 QAM	1@104	15	14.21	17.63	22.33	0.1711
38	15	20	516000	2580	CP-OFDM 256 QAM	53@26	19.58	19.63	22.62	27.32	0.5389
38	15	20	516000	2580	CP-OFDM 256 QAM	1@1	19.39	19.49	22.45	27.15	0.5189
38	15	20	516000	2580	CP-OFDM 256 QAM	1@104	19.76	19.79	22.79	27.49	0.5604
38	15	20	519000	2580	CP-OFDM QPSK	50@25	19.58	19.63	22.62	27.32	0.5389
38	15	20	519000	2580	CP-OFDM QPSK	1@1	19.42	19.38	22.41	27.11	0.5141
38	15	20	519000	2595	CP-OFDM QPSK	1@104	19.73	20.05	22.90	27.60	0.5759
38	15	20	519000	2595	CP-OFDM 16 QAM	50@25	19.71	19.77	22.75	27.45	0.5560
38	15	20	519000	2595	CP-OFDM 16 QAM	1@1	19.58	19.54	22.57	27.27	0.5334
38	15	20	519000	2595	CP-OFDM 16 QAM	1@104	19.65	20	22.84	27.54	0.5674
38	15	20	519000	2595	CP-OFDM 64 QAM	50@25	19.21	19.27	22.25	26.95	0.4955
38	15	20	519000	2595	CP-OFDM 64 QAM	1@1	19.18	19.21	22.21	26.91	0.4904
38	15	20	519000	2595	CP-OFDM 64 QAM	1@104	19.03	19.48	22.27	26.97	0.4979
38	15	20	519000	2595	CP-OFDM 256 QAM	50@25	17.73	17.77	20.76	25.46	0.3516
38	15	20	519000	2595	CP-OFDM 256 QAM	1@1	17.76	17.7	20.74	25.44	0.3500
38	15	20	519000	2595	CP-OFDM 256 QAM	1@104	17.86	17.87	20.88	25.58	0.3610
38	15	20	519000	2595	CP-OFDM QPSK	50@25	14.65	14.69	17.68	22.38	0.1730
38	15	20	519000	2595	CP-OFDM QPSK	1@1	14.86	14.46	17.67	22.37	0.1728
38	15	20	519000	2595	CP-OFDM QPSK	1@104	14.72	14.34	17.54	22.24	0.1677
38	15	20	519000	2595	CP-OFDM 16 QAM	53@26	19.68	19.78	22.74	27.44	0.5547
38	15	20	519000	2595	CP-OFDM 16 QAM	1@1	19.59	19.51	22.56	27.26	0.5322
38	15	20	519000	2595	CP-OFDM 16 QAM	1@104	19.81	19.9	22.87	27.57	0.5709

38	15	20	522000	2610	CP-OFDM 64 QAM	50@25	19.68	19.82	22.76	27.46	0.5573
38	15	20	522000	2610	CP-OFDM 64 QAM	1@1	19.65	19.59	22.63	27.33	0.5408
38	15	20	522000	2610	CP-OFDM 64 QAM	1@104	19.77	19.85	22.82	27.52	0.5650
38	15	20	522000	2610	CP-OFDM 256 QAM	50@25	19.66	19.89	22.79	27.49	0.5606
38	15	20	522000	2610	CP-OFDM 256 QAM	1@1	19.64	19.62	22.64	27.34	0.5420
38	15	20	522000	2610	CP-OFDM 256 QAM	1@104	19.82	19.93	22.89	27.59	0.5735
38	15	20	522000	2610	CP-OFDM QPSK	50@25	19.16	19.3	22.24	26.94	0.4944
38	15	20	522000	2610	CP-OFDM QPSK	1@1	19.29	19.19	22.25	26.95	0.4955
38	15	20	522000	2610	CP-OFDM QPSK	1@104	19.58	19.42	22.51	27.21	0.5261
38	15	20	522000	2610	CP-OFDM 16 QAM	50@25	17.68	17.86	20.78	25.48	0.3533
38	15	20	522000	2610	CP-OFDM 16 QAM	1@1	17.72	17.8	20.77	25.47	0.3524
38	15	20	522000	2610	CP-OFDM 16 QAM	1@104	17.88	18.04	20.97	25.67	0.3691
38	15	20	522000	2610	CP-OFDM 64 QAM	50@25	14.61	14.79	17.71	22.41	0.1742
38	15	20	522000	2610	CP-OFDM 64 QAM	1@1	14.91	14.12	17.54	22.24	0.1676
38	15	20	522000	2610	CP-OFDM 64 QAM	1@104	14.79	14.8	17.81	22.51	0.1780
38	15	20	522000	2610	CP-OFDM 256 QAM	53@26	19.69	19.87	22.79	27.49	0.5612
38	15	20	522000	2610	CP-OFDM 256 QAM	1@1	19.66	19.71	22.70	27.40	0.5490
38	15	20	522000	2610	CP-OFDM 256 QAM	1@104	19.8	19.94	22.88	27.58	0.5729

MIMO Gain= Maximum (Ant.5, Ant.6)=4.7dBi

FR1 N38 (MIMO ANT5) – SCS 15kHz

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0008	PASS	NV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0019	PASS	LV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0012	PASS	HV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0012	PASS	-30°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0023	PASS	-20°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0015	PASS	-10°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0004	PASS	0°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0012	PASS	10°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0000	PASS	20°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0019	PASS	30°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0019	PASS	40°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0012	PASS	50°C

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	15	5	514500	2572.5	CP-OFDM QPSK	25@0	8.12	13	PASS
38	15	5	514500	2572.5	CP-OFDM QPSK	1@0	7.25	13	PASS
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	8.4	13	PASS
38	15	5	519000	2595.0	CP-OFDM QPSK	1@0	8.11	13	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	25@0	8.47	13	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	1@0	8.15	13	PASS

Spectrum Analyzer 1
Power Stat CCDF

KEYSTRT Input RF **Display DC** **Auto Align** **R/L** **Freq Ref Int (S)**

Attm 40 dB

Trig Burst
Trig Delay: 500.0 ps
Chans: 1.50 MHz
Samp Low
Ratio Sig None

Center Freq 2.572000000 GHz

1 Metrics

Average Power

21.09 dBm
37.25 % at 0 dB

10.0 % 3.63 dB
1.0 % 6.44 dB
0.1 % 8.12 dB
0.01 % 9.39 dB
0.001 % 9.58 dB
0.0001 % 9.64 dB

Peak

8.64 dB
30.73 dBm

2 Graph

Gaussian

100.000 dBm
10.000 dBm
0.0001 dBm

Info BW 25.000 MHz

Dec 23, 2021 1:06:36 AM

Spectrum Analyzer 1
Power Stat CODF

KEYSIGHT Input RF Centering DC
RL → Align Auto Input 2: 50.0
Core LCCor Freq Ref: Int (S)

Attm: 40 dB Trg: RF Burst
Trg Delay: 500.0 p Counts: 1.00 M1 50 Mpt
RF Gain: Low Rate Std: None

1 Metrics

Average Power

20.81 dBm
37.13 mW at 0 dB

10.0% 3.69 dB
1.0% 6.54 dB
0.1% 7.25 dB
0.01% 7.63 dB
0.001% 7.71 dB
0.0001% 7.73 dB

Peak

7.74 dBm
28.55 dBm

2 Graph

Gaussian

100%
10%
1%
0.1%
0.01%
0.001%
0.0001%

0.0001%
0.0001%
Info BW 25,000 MHz

20.00 MHz

Dec 23, 2021
1:07:01 AM

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The top status bar shows 'Spectrum Analyzer 1' and 'Power Stat CCDF'. The main display area is divided into several sections:

- KEYSIGHT** logo and navigation icons (R.L., Input RF, Copying DC, Align Auto).
- Input Z: 50.0**, **Cent CCW**, **Freq Ref: Int (S)**.
- Attm: 40 dB**.
- Trig: RF Burst**, **Center Freq: 2.556000000 GHz**.
- Trig Delay: 500.0 ps**, **Counts: 1.00 M1.00 Mpt**.
- RF: Dam Low**, **Ratio Std None**.

The left sidebar shows the **1 Metrics** tab with the following data:

Average Power	
	21.14 dBm
	37.12 % at 0 dB

10.0 %	3.61 dB
1.0 %	5.49 dB
0.1 %	8.40 dB
0.01 %	9.79 dB
0.001 %	9.99 dB
0.0001 %	10.02 dB

Peak	
	10.03 dB
	31.17 dBm

The main plot area shows a **2 Graph** with a **Gaussian** fit. The y-axis is logarithmic, ranging from 0.0001 % to 100 %. The x-axis is linear, ranging from 0.00 dB to 20.00 dB. A yellow vertical line is positioned at approximately 10.03 dB. The plot shows a blue curve representing the signal and a green curve representing the Gaussian fit. The signal is centered around 10.03 dB, which corresponds to the peak power measurement shown in the sidebar.

Spectrum Analyzer 1
Power Stat CODF

KEYSIGHT Input RF: Analog DC Input Z: 50 Ω Corr Ccrr Freq Ref: 1st (S) Attm: 40 dB Trig: RF Burst Trig Delay: 500.0 μs Counts: 1.00 M1 00 Mpt RF: Dam Low Ratio Std None

1 Metrics

Average Power

20.27 dBm
36.80 uW at 0 dB

100.0 %	3.92 dB
1.0 %	7.15 dB
0.1 %	8.11 dB
0.01 %	8.28 dB
0.001 %	8.33 dB
0.0001 %	8.34 dB

Peak

8.61 dB
28.88 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %

0.00 dB

Freq 25.500 MHz

20.00 dB

Dec 23, 2021 1:08:06 AM

Info BW 25.500 MHz

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The top bar shows 'Spectrum Analyzer 1' and 'Power Stat OCDF'. The main display area is divided into two sections: '1 Metrics' on the left and '2 Graph' on the right.

1 Metrics:

- Average Power:**
 - 21.12 dBm
 - 37.13 % at 0 dB
- Power Levels:**
 - 10.0 %: 3.61 dB
 - 1.0 %: 6.51 dB
 - 0.1 %: 8.47 dB
 - 0.01 %: 9.75 dB
 - 0.001 %: 9.96 dB
 - 0.0001 %: 10.01 dB
- Peak:**
 - 10.01 dB
 - 31.13 dBm

2 Graph:

The graph shows a Gaussian noise floor plot. The y-axis is labeled 'Gaussian' and ranges from 0.0001 to 100. The x-axis is labeled 'Info BW 25.000 MHz' and ranges from 0.00 to 20.00. The plot shows a curve that starts at approximately 21.12 dBm at 0 dB and decreases as the frequency offset increases, reaching approximately 10.01 dBm at 20.00 MHz. The curve is labeled 'Gaussian' and 'Info BW 25.000 MHz'.

Parameters:

- Input 2: 50.0
- Con Conv: Off
- Freq Ref: Int (S)
- Att: 40 dB
- Trig: RF Burst
- Center Freq: 2.617500000 GHz
- Trig Delay: 50.0 ps
- Gen: Gaussian
- 1.00 MHz
- RF Ref: Low
- Radio Std: None

Bottom Bar:

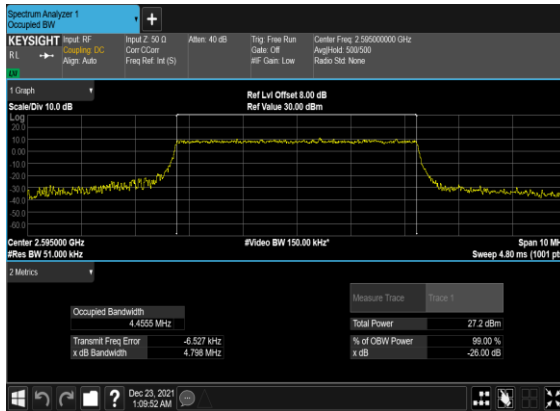
- Windows taskbar: Dec 23, 2021, 1:38:46 AM
- System tray: Network, Volume, Battery

[illegible]

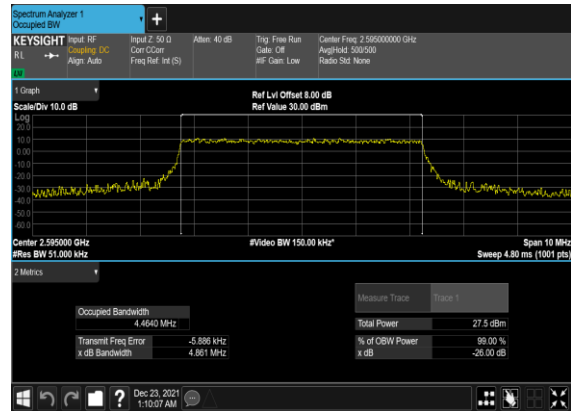
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	4.4555	4.798
38	15	5	519000	2595.0	CP-OFDM 16 QAM	25@0	4.464	4.861
38	15	5	519000	2595.0	CP-OFDM 64 QAM	25@0	4.4644	4.801
38	15	5	519000	2595.0	CP-OFDM 256 QAM	25@0	4.4681	4.887

N38(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



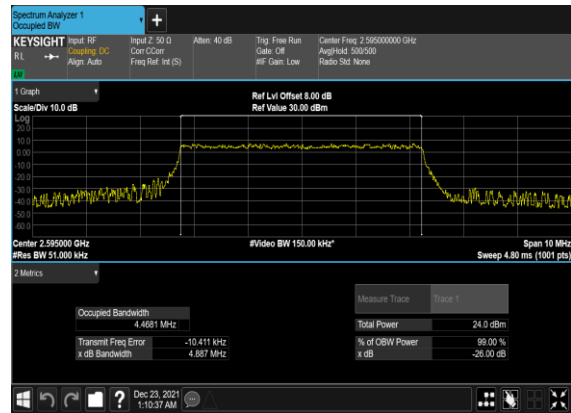
N38(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N38(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



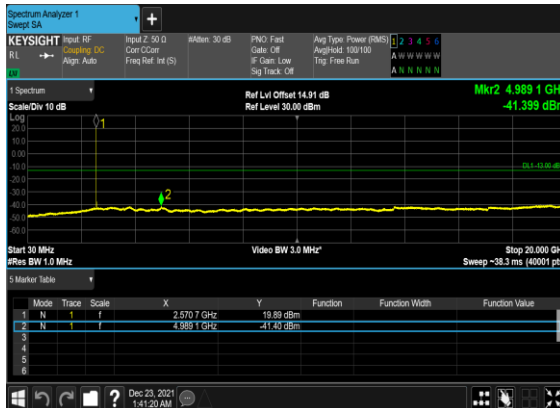
N38(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



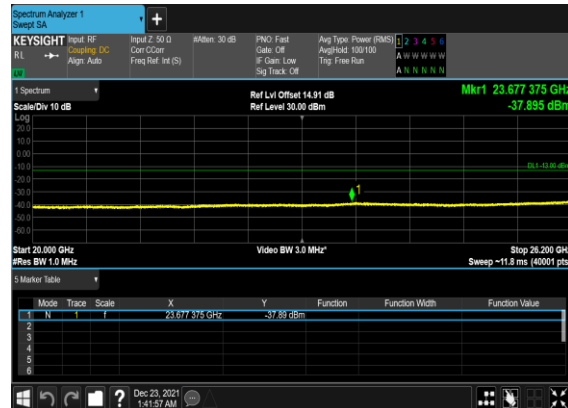
Conducted Spurious Emissions

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

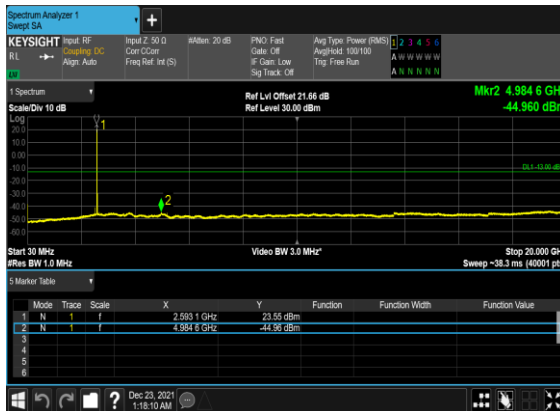
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



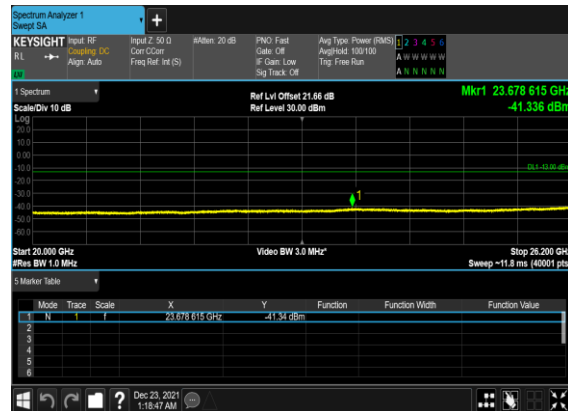
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



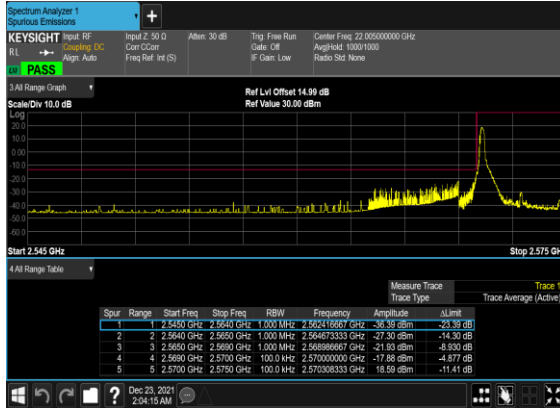
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



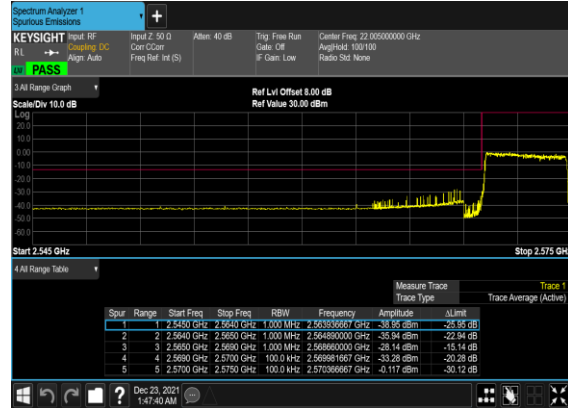
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	CP-OFDM QPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	CP-OFDM QPSK	25@0	see graph	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	1@24	see graph	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	25@0	see graph	PASS

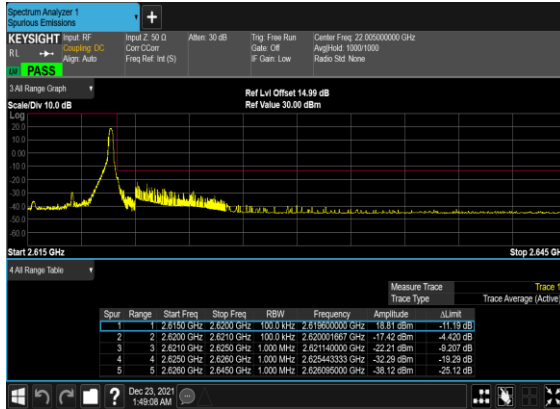
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



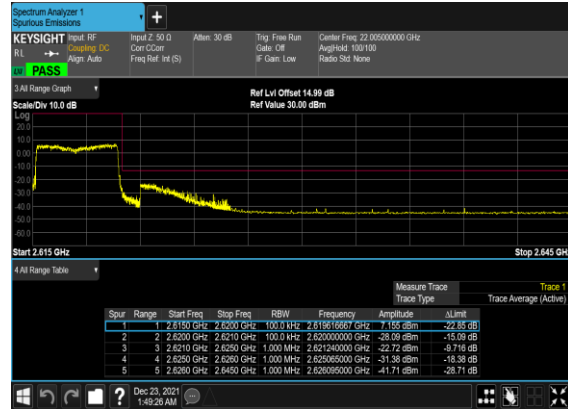
N38(5M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N38(5M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N38 (MIMO ANT6) – SCS 15kHz

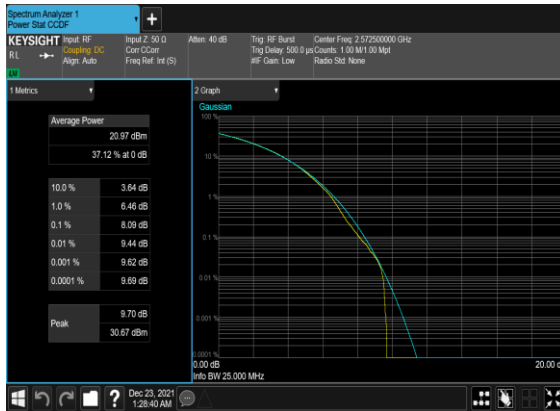
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0035	PASS	NV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0019	PASS	LV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0027	PASS	HV
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0042	PASS	-30°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0015	PASS	-20°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0008	PASS	-10°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0023	PASS	0°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0012	PASS	10°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0000	PASS	20°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0039	PASS	30°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0031	PASS	40°C
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	0.0035	PASS	50°C

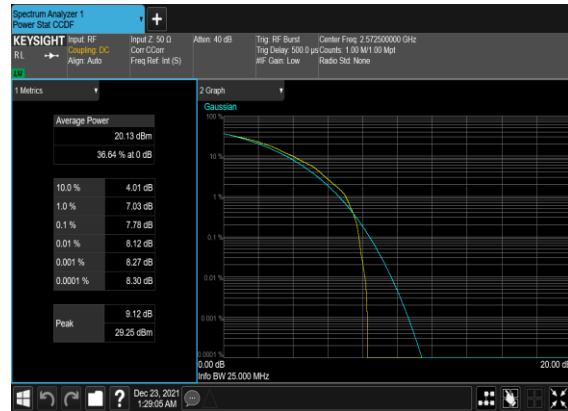
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	15	5	514500	2572.5	CP-OFDM QPSK	25@0	8.09	13	PASS
38	15	5	514500	2572.5	CP-OFDM QPSK	1@0	7.78	13	PASS
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	8.3	13	PASS
38	15	5	519000	2595.0	CP-OFDM QPSK	1@0	7.86	13	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	25@0	8.43	13	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	1@0	7.28	13	PASS

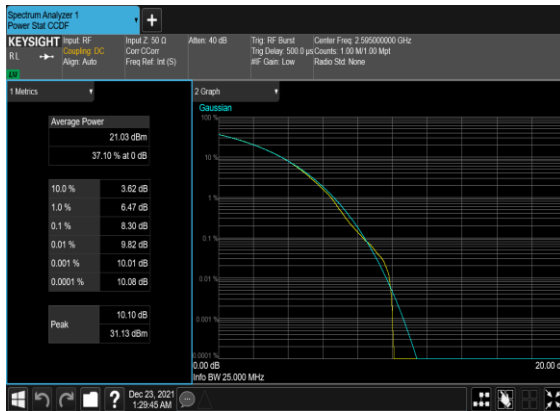
N38(5M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



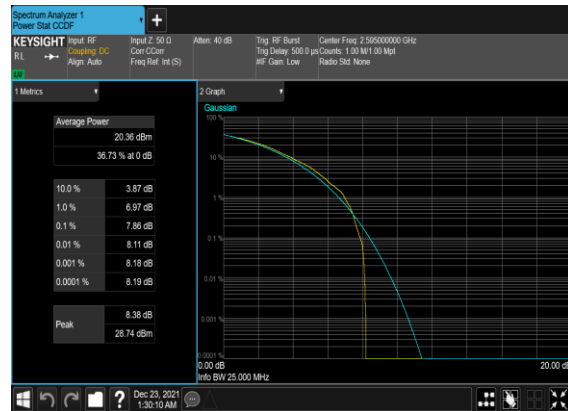
N38(5M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



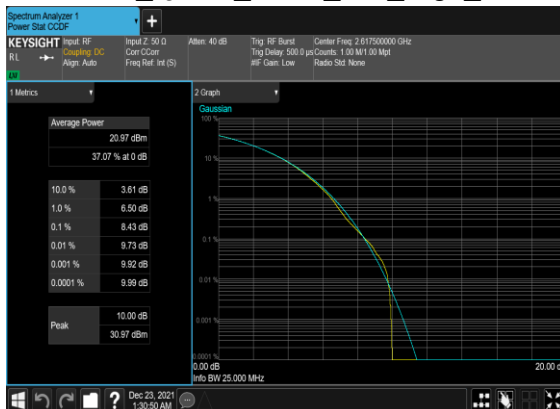
N38(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



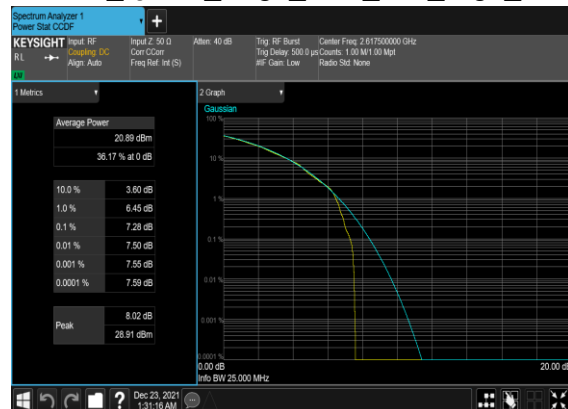
N38(5M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_CP-
OFDM_QPSK_Outer_Full_High_CH



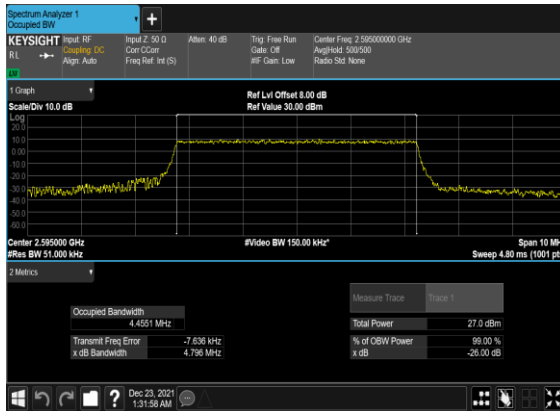
N38(5M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



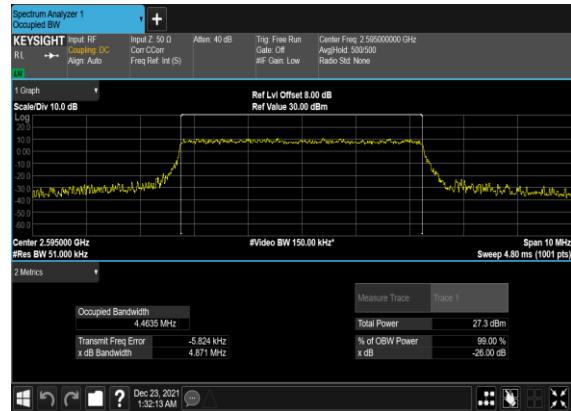
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
38	15	5	519000	2595.0	CP-OFDM QPSK	25@0	4.4551	4.796
38	15	5	519000	2595.0	CP-OFDM 16 QAM	25@0	4.4635	4.871
38	15	5	519000	2595.0	CP-OFDM 64 QAM	25@0	4.469	4.807
38	15	5	519000	2595.0	CP-OFDM 256 QAM	25@0	4.4627	4.801

N38(5M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



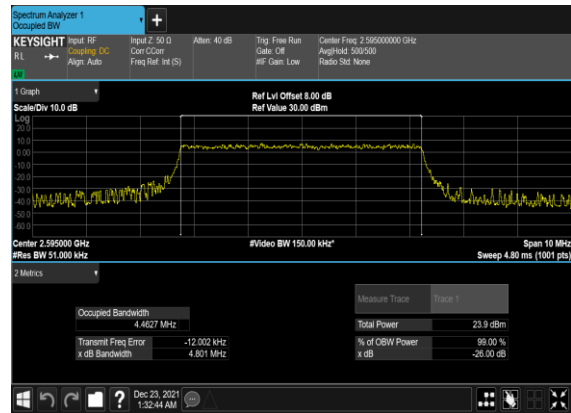
N38(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N38(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



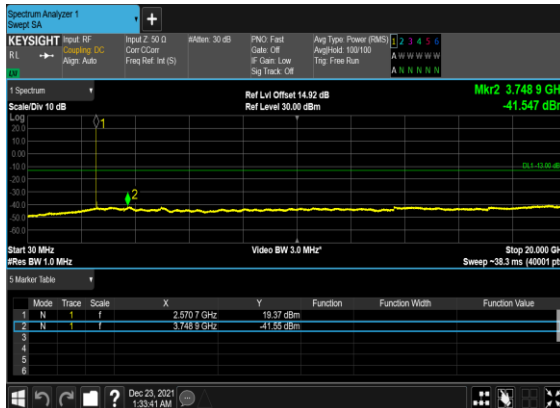
N38(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



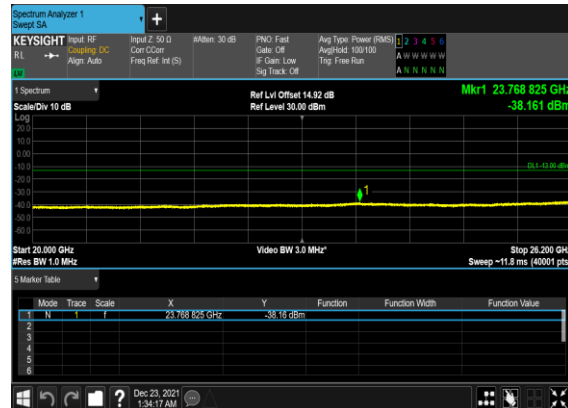
Conducted Spurious Emissions

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

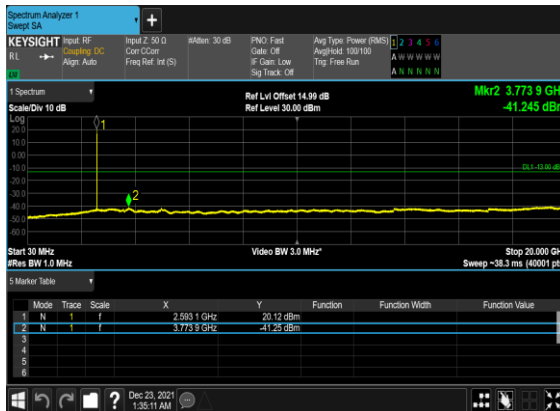
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



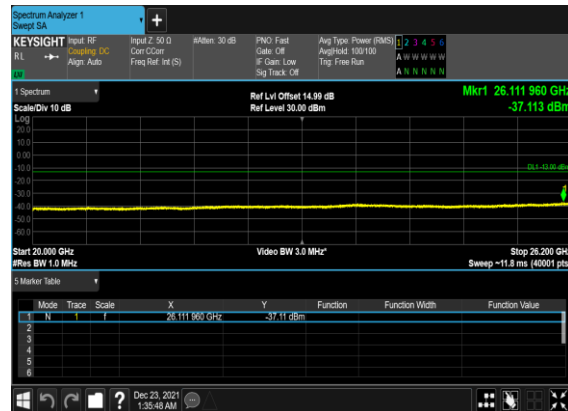
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



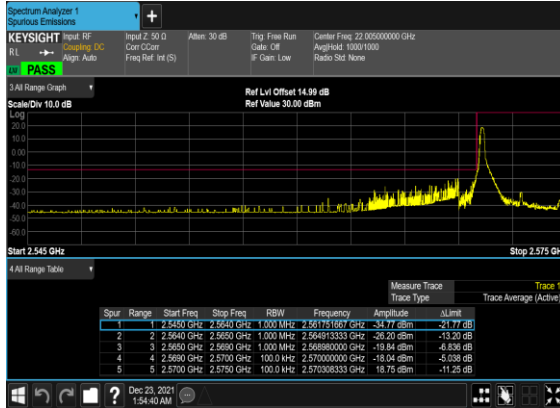
N38(5M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



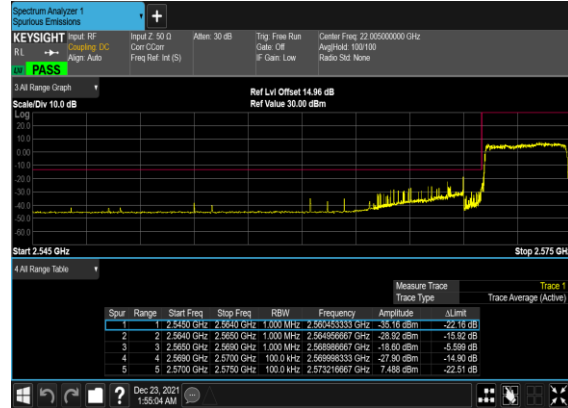
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	CP-OFDM QPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	CP-OFDM QPSK	25@0	see graph	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	1@24	see graph	PASS
38	15	5	523500	2617.5	CP-OFDM QPSK	25@0	see graph	PASS

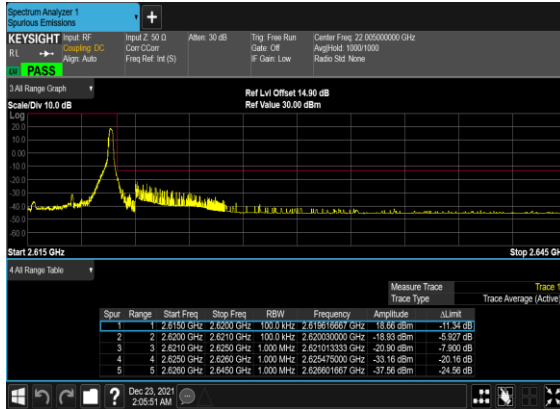
N38(5M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



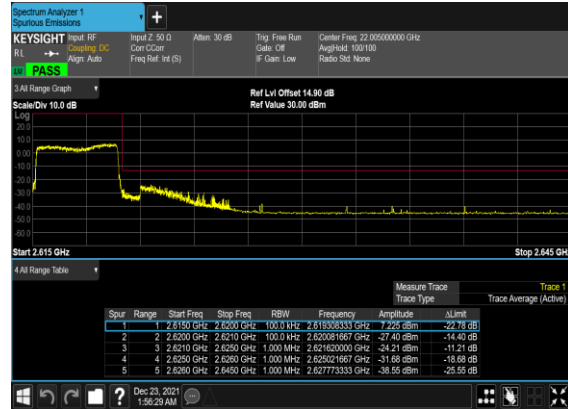
N38(5M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N38(5M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N38(5M)_CP-
OFDM_QPSK_Outer_Full_High_CH



FR1 N41(ANT5) – SCS 15kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 4.7dB

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 PI/2 BPSK	25@12	26.1	30.8	1.2023
41	15	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@1	26.04	30.74	1.1858
41	15	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@50	26.11	30.81	1.2050
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	25@12	26.12	30.82	1.2078
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.98	30.68	1.1695
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@50	26.03	30.73	1.1830
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	25@12	25.19	29.89	0.9750
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	25.04	29.74	0.9419
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@50	25.11	29.81	0.9572
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	25@12	23.7	28.4	0.6918
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@1	23.65	28.35	0.6839
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@50	23.68	28.38	0.6887
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	25@12	21.62	26.32	0.4285
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@1	21.66	26.36	0.4325
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@50	21.57	26.27	0.4236
41	15	10	500202	2501.01	CP-OFDM QPSK	26@13	24.68	29.38	0.8670
41	15	10	500202	2501.01	CP-OFDM QPSK	1@1	24.58	29.28	0.8472
41	15	10	500202	2501.01	CP-OFDM QPSK	1@50	24.66	29.36	0.8630
41	15	10	518601	2593.005	DFT-s-OFDM PI/2 BPSK	25@12	26.1	30.8	1.2023
41	15	10	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.99	30.69	1.1722
41	15	10	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@50	26.18	30.88	1.2246
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	25@12	26.13	30.83	1.2106
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.08	30.78	1.1967
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@50	26.18	30.88	1.2246
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	25@12	25.23	29.93	0.9840
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.91	29.61	0.9141
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@50	25.03	29.73	0.9397
41	15	10	518601	2593.005	DFT-s-OFDM 64 QAM	25@12	23.7	28.4	0.6918
41	15	10	518601	2593.005	DFT-s-OFDM	1@1	23.56	28.26	0.6699

					64 QAM				
41	15	10	518601	2593.005	DFT-s-OFDM 64 QAM	1@50	23.73	28.43	0.6966
41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	25@12	21.75	26.45	0.4416
41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.59	26.29	0.4256
41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	1@50	21.75	26.45	0.4416
41	15	10	518601	2593.005	CP-OFDM QPSK	26@13	24.71	29.41	0.8730
41	15	10	518601	2593.005	CP-OFDM QPSK	1@1	24.59	29.29	0.8492
41	15	10	518601	2593.005	CP-OFDM QPSK	1@50	24.7	29.4	0.8710
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	25@12	26.36	31.06	1.2764
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@1	26.21	30.91	1.2331
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@50	26.34	31.04	1.2706
41	15	10	537000	2685	DFT-s-OFDM QPSK	25@12	26.4	31.1	1.2882
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	26.27	30.97	1.2503
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@50	26.31	31.01	1.2618
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	25@12	25.37	30.07	1.0162
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	25.06	29.76	0.9462
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@50	25.44	30.14	1.0328
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	25@12	23.92	28.62	0.7278
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@1	23.74	28.44	0.6982
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@50	23.73	28.43	0.6966
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	25@12	21.93	26.63	0.4603
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@1	21.7	26.4	0.4365
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@50	21.84	26.54	0.4508
41	15	10	537000	2685	CP-OFDM QPSK	26@13	24.93	29.63	0.9183
41	15	10	537000	2685	CP-OFDM QPSK	1@1	24.79	29.49	0.8892
41	15	10	537000	2685	CP-OFDM QPSK	1@50	24.89	29.59	0.9099
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	36@18	26.13	30.83	1.2106
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@1	25.91	30.61	1.1508
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@77	26.06	30.76	1.1912
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	36@18	26.19	30.89	1.2274
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	26.05	30.75	1.1885
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@77	26.12	30.82	1.2078
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	36@18	25.26	29.96	0.9908
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.76	29.46	0.8831

41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@77	25.09	29.79	0.9528
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	36@18	23.67	28.37	0.6871
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@1	23.44	28.14	0.6516
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@77	23.61	28.31	0.6776
41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	36@18	21.7	26.4	0.4365
41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@1	21.47	26.17	0.4140
41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@77	21.7	26.4	0.4365
41	15	15	500700	2503.5	CP-OFDM QPSK	39@19	24.71	29.41	0.8730
41	15	15	500700	2503.5	CP-OFDM QPSK	1@1	24.62	29.32	0.8551
41	15	15	500700	2503.5	CP-OFDM QPSK	1@77	24.68	29.38	0.8670
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	36@18	26.11	30.81	1.2050
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.15	30.85	1.2162
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@77	26.33	31.03	1.2677
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	36@18	26.16	30.86	1.2190
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.07	30.77	1.1940
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@77	26.23	30.93	1.2388
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	36@18	25.24	29.94	0.9863
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	25.06	29.76	0.9462
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@77	25.26	29.96	0.9908
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	36@18	23.72	28.42	0.6950
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	23.54	28.24	0.6668
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	1@77	23.73	28.43	0.6966
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	36@18	21.69	26.39	0.4355
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.59	26.29	0.4256
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	1@77	21.79	26.49	0.4457
41	15	15	518601	2593.005	CP-OFDM QPSK	39@19	24.65	29.35	0.8610
41	15	15	518601	2593.005	CP-OFDM QPSK	1@1	24.64	29.34	0.8590
41	15	15	518601	2593.005	CP-OFDM QPSK	1@77	24.79	29.49	0.8892
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	36@18	26.32	31.02	1.2647
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	1@1	26.14	30.84	1.2134
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	1@77	26.25	30.95	1.2445
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	36@18	26.3	31	1.2589
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@1	26.1	30.8	1.2023
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@77	26.25	30.95	1.2445

41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	36@18	25.39	30.09	1.0209
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@1	25.17	29.87	0.9705
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@77	25.32	30.02	1.0046
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	36@18	23.92	28.62	0.7278
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	1@1	23.63	28.33	0.6808
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	1@77	23.72	28.42	0.6950
41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	36@18	21.92	26.62	0.4592
41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	1@1	21.66	26.36	0.4325
41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	1@77	21.85	26.55	0.4519
41	15	15	536499	2682.495	CP-OFDM QPSK	39@19	24.92	29.62	0.9162
41	15	15	536499	2682.495	CP-OFDM QPSK	1@1	24.67	29.37	0.8650
41	15	15	536499	2682.495	CP-OFDM QPSK	1@77	24.83	29.53	0.8974
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	50@25	26.16	30.86	1.2190
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@1	26.03	30.73	1.1830
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@104	26.21	30.91	1.2331
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	50@25	26.23	30.93	1.2388
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@1	26.12	30.82	1.2078
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@104	26.22	30.92	1.2359
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	50@25	25.24	29.94	0.9863
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@1	25.12	29.82	0.9594
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@104	25.07	29.77	0.9484
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	50@25	23.76	28.46	0.7015
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	1@1	23.68	28.38	0.6887
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	1@104	23.75	28.45	0.6998
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	50@25	21.71	26.41	0.4375
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	1@1	21.55	26.25	0.4217
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	1@104	21.72	26.42	0.4385
41	15	20	501201	2506.005	CP-OFDM QPSK	53@26	24.73	29.43	0.8770
41	15	20	501201	2506.005	CP-OFDM QPSK	1@1	24.65	29.35	0.8610
41	15	20	501201	2506.005	CP-OFDM QPSK	1@104	24.78	29.48	0.8872
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	50@25	26.13	30.83	1.2106
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.14	30.84	1.2134
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@104	26.23	30.93	1.2388
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	50@25	26.16	30.86	1.2190

41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.15	30.85	1.2162
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@104	26.24	30.94	1.2417
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	50@25	25.22	29.92	0.9817
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	25.2	29.9	0.9772
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@104	25.02	29.72	0.9376
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	50@25	23.73	28.43	0.6966
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	23.7	28.4	0.6918
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	1@104	23.79	28.49	0.7063
41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	50@25	21.73	26.43	0.4395
41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.73	26.43	0.4395
41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	1@104	21.83	26.53	0.4498
41	15	20	518601	2593.005	CP-OFDM QPSK	53@26	24.65	29.35	0.8610
41	15	20	518601	2593.005	CP-OFDM QPSK	1@1	24.68	29.38	0.8670
41	15	20	518601	2593.005	CP-OFDM QPSK	1@104	24.82	29.52	0.8954
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@25	26.34	31.04	1.2706
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	26.24	30.94	1.2417
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@104	26.41	31.11	1.2912
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	50@25	26.38	31.08	1.2823
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	26.23	30.93	1.2388
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@104	26.4	31.1	1.2882
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	50@25	25.34	30.04	1.0093
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	25.05	29.75	0.9441
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@104	25.17	29.87	0.9705
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	50@25	23.88	28.58	0.7211
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@1	23.64	28.34	0.6823
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@104	23.93	28.63	0.7295
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	50@25	21.94	26.64	0.4613
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@1	21.84	26.54	0.4508
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@104	21.93	26.63	0.4603
41	15	20	535998	2679.99	CP-OFDM QPSK	53@26	24.89	29.59	0.9099
41	15	20	535998	2679.99	CP-OFDM QPSK	1@1	24.83	29.53	0.8974
41	15	20	535998	2679.99	CP-OFDM QPSK	1@104	24.9	29.6	0.9120
41	15	40	503202	2679.99	DFT-s-OFDM PI/2 BPSK	108@54	25.81	30.51	1.1246
41	15	40	503202	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	26.22	30.92	1.2359

41	15	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@214	25.9	30.6	1.1482
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	108@54	26.2	30.9	1.2303
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	25.55	30.25	1.0593
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@214	26	30.7	1.1749
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	108@54	25.24	29.94	0.9863
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	24.54	29.24	0.8395
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@214	24.77	29.47	0.8851
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	108@54	23.82	28.52	0.7112
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@1	23	27.7	0.5888
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@214	23.34	28.04	0.6368
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	108@54	21.77	26.47	0.4436
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@1	21.1	25.8	0.3802
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@214	21.33	26.03	0.4009
41	15	40	503202	2516.01	CP-OFDM QPSK	108@54	24.75	29.45	0.8810
41	15	40	503202	2516.01	CP-OFDM QPSK	1@1	24.08	28.78	0.7551
41	15	40	503202	2516.01	CP-OFDM QPSK	1@214	24.5	29.2	0.8318
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	108@54	26.13	30.83	1.2106
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.79	30.49	1.1194
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@214	26.01	30.71	1.1776
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	108@54	26.19	30.89	1.2274
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.81	30.51	1.1246
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	1@214	26.02	30.72	1.1803
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	108@54	25.26	29.96	0.9908
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.6	29.3	0.8511
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	1@214	24.8	29.5	0.8913
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	108@54	23.78	28.48	0.7047
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	23.19	27.89	0.6152
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	1@214	23.36	28.06	0.6397
41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	108@54	21.82	26.52	0.4487
41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.34	26.04	0.4018
41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	1@214	21.49	26.19	0.4159
41	15	40	518601	2593.005	CP-OFDM QPSK	108@54	24.73	29.43	0.8770
41	15	40	518601	2593.005	CP-OFDM QPSK	1@1	24.34	29.04	0.8017
41	15	40	518601	2593.005	CP-OFDM QPSK	1@214	24.58	29.28	0.8472

41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	108@54	26.36	31.06	1.2764
41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@1	25.81	30.51	1.1246
41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@214	26	30.7	1.1749
41	15	40	534000	2670	DFT-s-OFDM QPSK	108@54	26.37	31.07	1.2794
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.74	30.44	1.1066
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@214	25.99	30.69	1.1722
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	108@54	25.42	30.12	1.0280
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	24.88	29.58	0.9078
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@214	24.9	29.6	0.9120
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	108@54	23.97	28.67	0.7362
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	1@1	23.31	28.01	0.6324
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	1@214	23.42	28.12	0.6486
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	108@54	22.02	26.72	0.4699
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	1@1	21.45	26.15	0.4121
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	1@214	21.58	26.28	0.4246
41	15	40	534000	2670	CP-OFDM QPSK	108@54	24.92	29.62	0.9162
41	15	40	534000	2670	CP-OFDM QPSK	1@1	24.43	29.13	0.8185
41	15	40	534000	2670	CP-OFDM QPSK	1@214	24.67	29.37	0.8650
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	135@67	26.24	30.94	1.2417
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@1	25.83	30.53	1.1298
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@268	26.24	30.94	1.2417
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	135@67	26.27	30.97	1.2503
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@1	25.78	30.48	1.1169
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@268	26.36	31.06	1.2764
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	135@67	25.31	30.01	1.0023
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@1	24.59	29.29	0.8492
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@268	25.31	30.01	1.0023
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	135@67	23.85	28.55	0.7161
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@1	23.39	28.09	0.6442
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@268	23.72	28.42	0.6950
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	135@67	21.43	26.13	0.4102
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@1	21.44	26.14	0.4111
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@268	21.68	26.38	0.4345
41	15	50	504201	2521.005	CP-OFDM QPSK	135@67	24.81	29.51	0.8933

41	15	50	504201	2521.005	CP-OFDM QPSK	1@1	24.43	29.13	0.8185
41	15	50	504201	2521.005	CP-OFDM QPSK	1@268	24.96	29.66	0.9247
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	26.23	30.93	1.2388
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.07	30.77	1.1940
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@268	26.3	31	1.2589
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	135@67	26.26	30.96	1.2474
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.16	30.86	1.2190
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@268	26.36	31.06	1.2764
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	135@67	25.3	30	1.0000
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.87	29.57	0.9057
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@268	25.05	29.75	0.9441
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	135@67	23.8	28.5	0.7079
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	23.56	28.26	0.6699
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@268	23.85	28.55	0.7161
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	135@67	21.86	26.56	0.4529
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	21.79	26.49	0.4457
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@268	21.69	26.39	0.4355
41	15	50	518601	2593.005	CP-OFDM QPSK	135@67	24.8	29.5	0.8913
41	15	50	518601	2593.005	CP-OFDM QPSK	1@1	24.65	29.35	0.8610
41	15	50	518601	2593.005	CP-OFDM QPSK	1@268	24.94	29.64	0.9204
41	15	50	532998	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	26.26	30.96	1.2474
41	15	50	532998	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.08	30.78	1.1967
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@268	26.39	31.09	1.2853
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	135@67	26.46	31.16	1.3062
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	26.03	30.73	1.1830
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@268	26.41	31.11	1.2912
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	135@67	25.49	30.19	1.0447
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	25.12	29.82	0.9594
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@268	25.15	29.85	0.9661
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	135@67	24.02	28.72	0.7447
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	23.59	28.29	0.6745
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@268	23.83	28.53	0.7129
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	135@67	22.04	26.74	0.4721
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	21.4	26.1	0.4074

41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@268	22.13	26.83	0.4819
41	15	50	532998	2664.99	CP-OFDM QPSK	135@67	25.01	29.71	0.9354
41	15	50	532998	2664.99	CP-OFDM QPSK	1@1	24.61	29.31	0.8531
41	15	50	532998	2664.99	CP-OFDM QPSK	1@268	24.91	29.61	0.9141

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	0.0292	PASS	NV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0584	PASS	LV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0231	PASS	HV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0643	PASS	-30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0534	PASS	-20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0391	PASS	-10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0654	PASS	0°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0591	PASS	10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0697	PASS	20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0213	PASS	30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0411	PASS	40°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0611	PASS	50°C

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	4.42	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@0	4.84	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	100@0	5.73	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	5.45	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	100@0	4.72	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@0	5.09	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	5.88	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	6.48	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	100@0	4.84	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@0	5.21	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	100@0	5.97	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	6.75	13	PASS