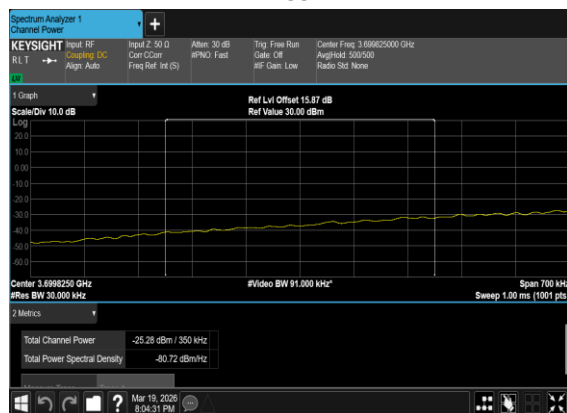
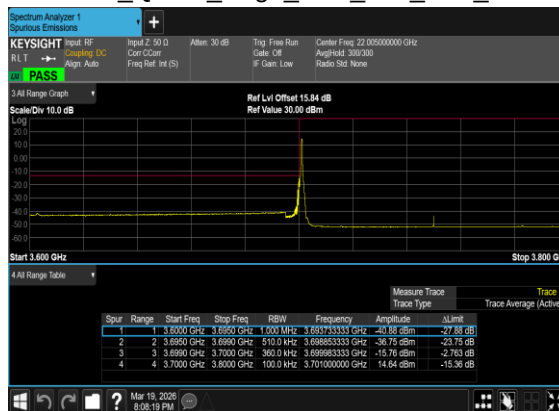




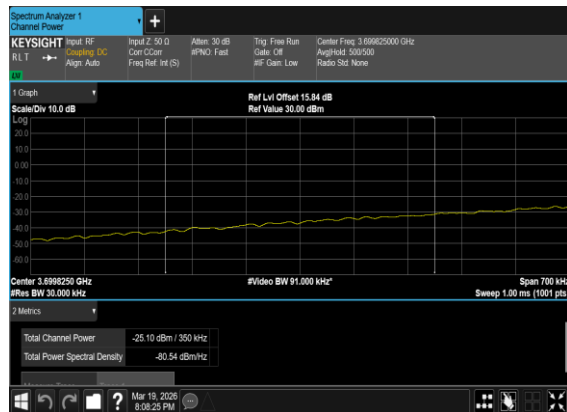
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_P
ASS



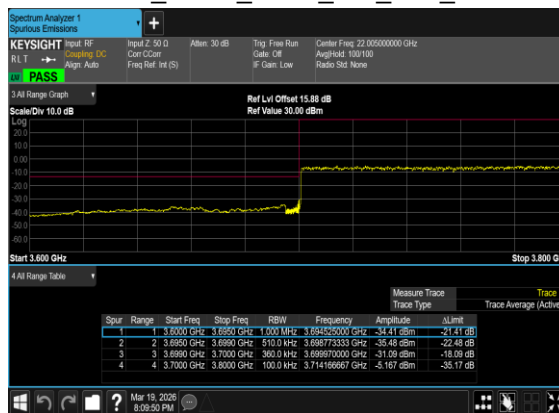
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_P
ASS

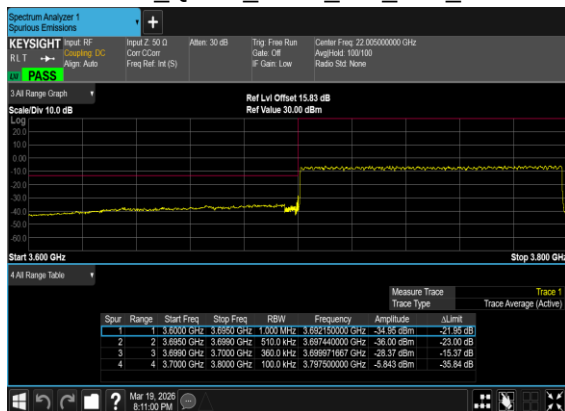


N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

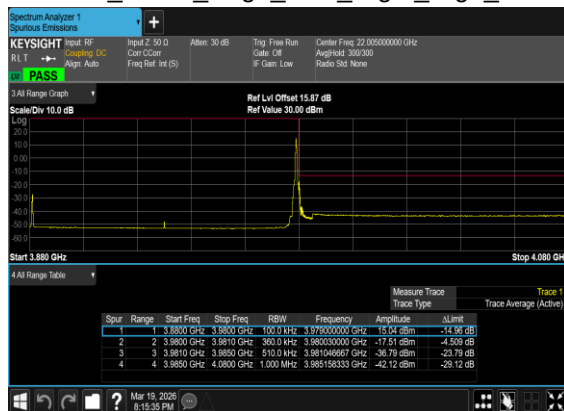




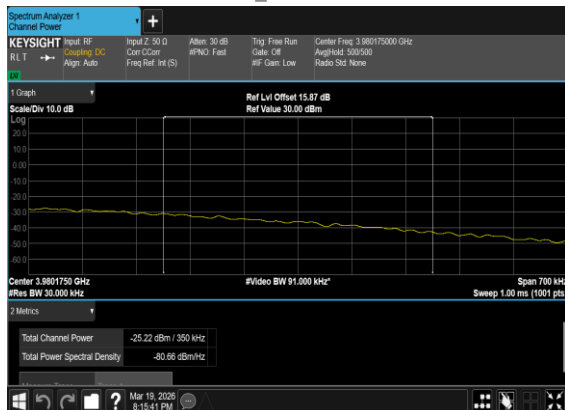
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



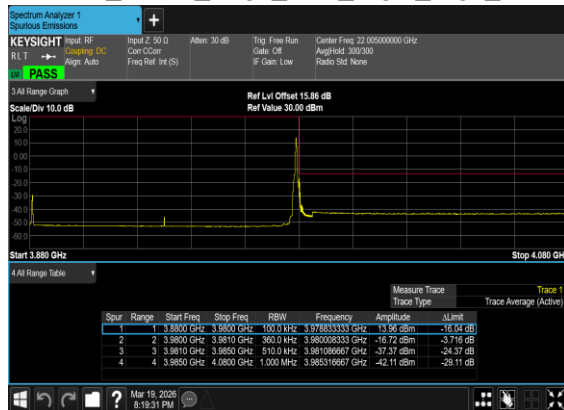
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP
_PASS

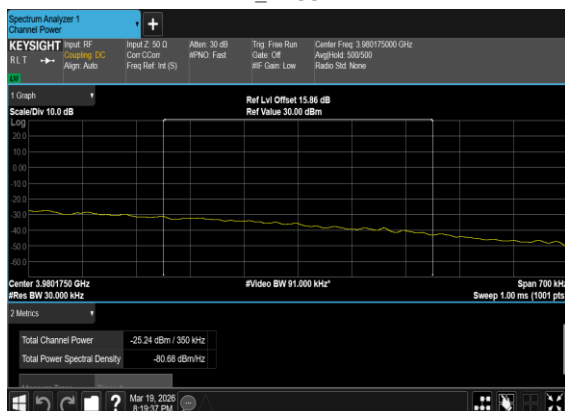


N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

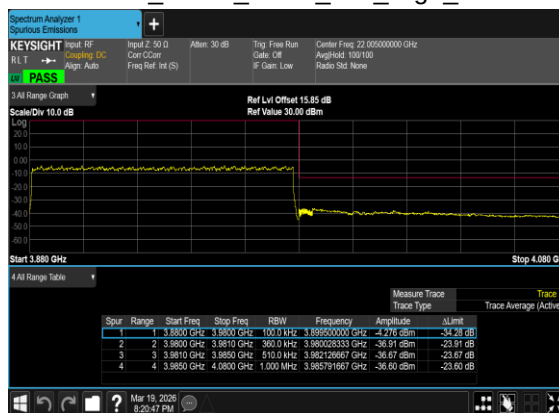




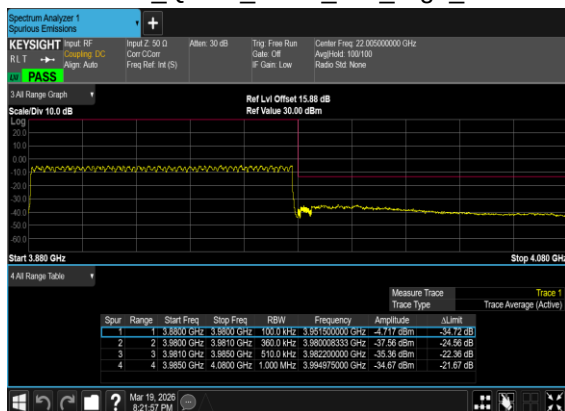
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_chp
_PASS



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78_ANT2

Transmitter Conducted Output Power And EIRP, ($G_T - L_c$)=1.35 dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	25.12	26.47	0.4436
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.11	26.46	0.4426
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	25.11	26.46	0.4426
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	24.11	25.46	0.3516
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.11	25.46	0.3516
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	24.04	25.39	0.3459
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	24.84	26.19	0.4159
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	24.9	26.25	0.4217
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	24.76	26.11	0.4083
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	23.99	25.34	0.3420
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.12	25.47	0.3524
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	23.8	25.15	0.3273
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	24.67	26.02	0.3999
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	24.66	26.01	0.3990
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	24.68	26.03	0.4009
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	23.71	25.06	0.3206
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.75	25.1	0.3236
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	23.65	25	0.3162
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	24.96	26.31	0.4276
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.14	26.49	0.4457
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	24.92	26.27	0.4236
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	24.03	25.38	0.3451
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.1	25.45	0.3508
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	24.06	25.41	0.3475
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	24.92	26.27	0.4236
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	24.99	26.34	0.4305
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	24.7	26.05	0.4027
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	23.84	25.19	0.3304
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.05	25.4	0.3467
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	23.62	24.97	0.3141
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	24.64	25.99	0.3972
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	24.59	25.94	0.3926
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	24.48	25.83	0.3828
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	23.57	24.92	0.3105
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.75	25.1	0.3236
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	23.55	24.9	0.3090



78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	24.92	26.27	0.4236
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.22	26.57	0.4539
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	24.78	26.13	0.4102
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	23.87	25.22	0.3327
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.22	25.57	0.3606
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	24.13	25.48	0.3532
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	24.86	26.21	0.4178
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.91	26.26	0.4227
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	24.59	25.94	0.3926
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	23.85	25.2	0.3311
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.09	25.44	0.3499
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	23.72	25.07	0.3214
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	24.6	25.95	0.3936
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.75	26.1	0.4074
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	24.6	25.95	0.3936
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	23.66	25.01	0.3170
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.92	25.27	0.3365
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	23.76	25.11	0.3243
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	24.72	26.07	0.4046
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.87	26.22	0.4188
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	24.61	25.96	0.3945
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	23.85	25.2	0.3311
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.04	25.39	0.3459
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	23.71	25.06	0.3206
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	24.57	25.92	0.3908
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	24.73	26.08	0.4055
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	24.29	25.64	0.3664
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	23.56	24.91	0.3097
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.87	25.22	0.3327
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	23.49	24.84	0.3048
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	24.41	25.76	0.3767
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.55	25.9	0.3890
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	24.24	25.59	0.3622
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	23.45	24.8	0.3020
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.71	25.06	0.3206
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	23.25	24.6	0.2884
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	24.74	26.09	0.4064
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.79	26.14	0.4111
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	24.43	25.78	0.3784
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	23.65	25	0.3162
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.91	25.26	0.3357
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	23.56	24.91	0.3097



78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	24.6	25.95	0.3936
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	24.73	26.08	0.4055
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	24.49	25.84	0.3837
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	23.67	25.02	0.3177
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.8	25.15	0.3273
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	23.63	24.98	0.3148
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	24.49	25.84	0.3837
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	24.55	25.9	0.3890
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	24.32	25.67	0.3690
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	23.61	24.96	0.3133
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.74	25.09	0.3228
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	23.45	24.8	0.3020
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	24.67	26.02	0.3999
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.75	26.1	0.4074
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	24.31	25.66	0.3681
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	23.69	25.04	0.3192
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.84	25.19	0.3304
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	23.34	24.69	0.2944
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	24.58	25.93	0.3917
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	24.8	26.15	0.4121
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	24.29	25.64	0.3664
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	23.65	25	0.3162
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.89	25.24	0.3342
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	23.31	24.66	0.2924
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	24.51	25.86	0.3855
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	24.64	25.99	0.3972
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	24.1	25.45	0.3508
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	23.42	24.77	0.2999
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.9	25.25	0.3350
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	23.25	24.6	0.2884
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	24.66	26.01	0.3990
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.87	26.22	0.4188
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	24.28	25.63	0.3656
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	23.74	25.09	0.3228
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.86	25.21	0.3319
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	23.33	24.68	0.2938
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	24.63	25.98	0.3963
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	24.77	26.12	0.4093
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	24.25	25.6	0.3631
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	23.6	24.95	0.3126
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.85	25.2	0.3311
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	23.43	24.78	0.3006



78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	24.5	25.85	0.3846
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.72	26.07	0.4046
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	24.24	25.59	0.3622
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	23.55	24.9	0.3090
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.67	25.02	0.3177
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	23.28	24.63	0.2904
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	24.7	26.05	0.4027
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.87	26.22	0.4188
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	24.37	25.72	0.3733
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	23.69	25.04	0.3192
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.9	25.25	0.3350
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	23.5	24.85	0.3055
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	24.62	25.97	0.3954
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.8	26.15	0.4121
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	24.26	25.61	0.3639
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	23.67	25.02	0.3177
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.77	25.12	0.3251
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	23.33	24.68	0.2938
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	24.5	25.85	0.3846
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.72	26.07	0.4046
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	24.28	25.63	0.3656
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	23.6	24.95	0.3126
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.85	25.2	0.3311
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	23.44	24.79	0.3013
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.03	26.38	0.4345
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.23	26.58	0.4550
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.47	25.82	0.3819
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	24.96	26.31	0.4276
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.2	26.55	0.4519
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.44	25.79	0.3793
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.99	25.34	0.3420
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.31	25.66	0.3681
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.6	24.95	0.3126
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.51	23.86	0.2432
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.77	24.12	0.2582
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.08	23.43	0.2203
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.58	21.93	0.1560
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.62	21.97	0.1574
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	19.92	21.27	0.1340
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.42	24.77	0.2999
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.67	25.02	0.3177
78	30	100	650000	3750	CP-OFDM QPSK	1@271	22.85	24.2	0.2630

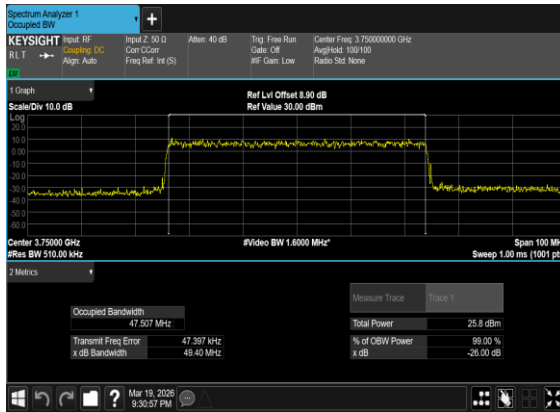


Occupied Bandwidth

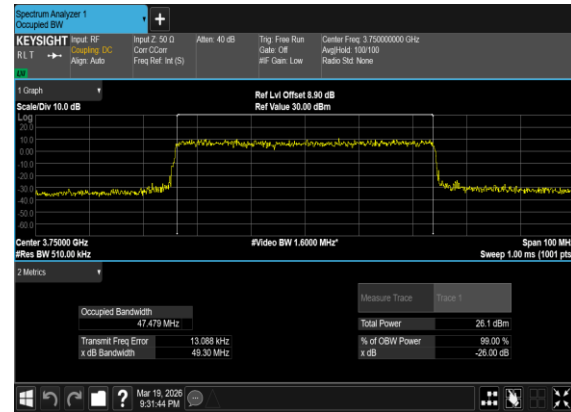
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.507	49.4
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.479	49.3
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.461	49.28
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.413	49.46
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.555	69.72
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.423	69.67
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.391	69.77
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.416	69.93
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.488	90.34
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.484	90.32
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.603	90.27
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.617	90.51



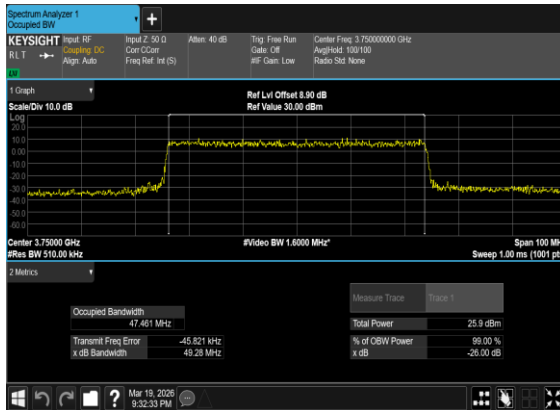
N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



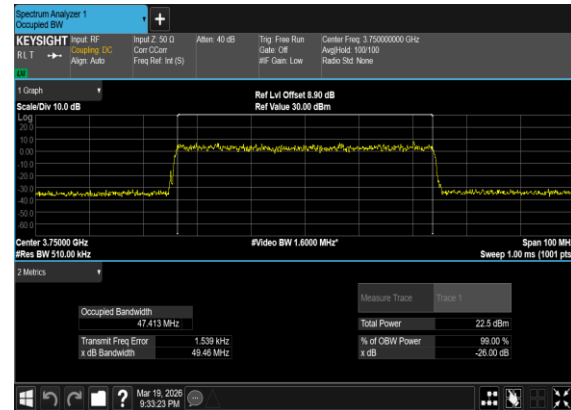
N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

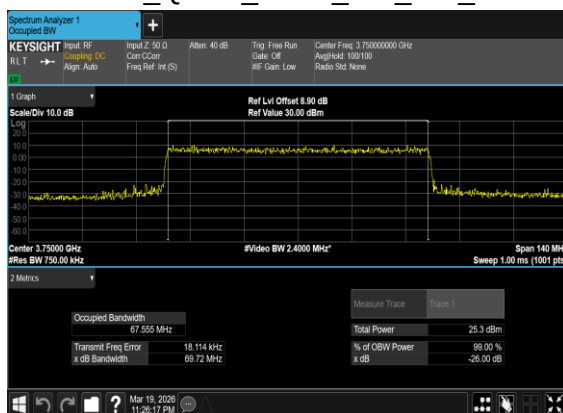


N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

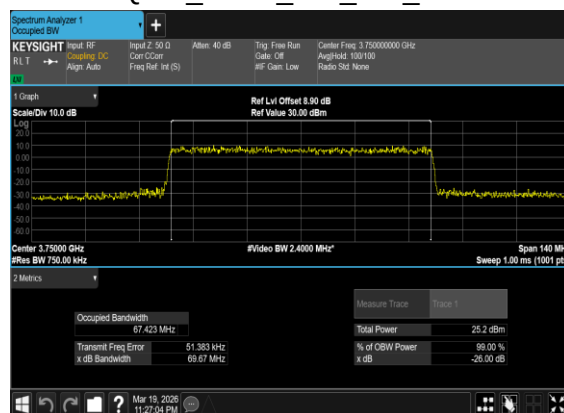




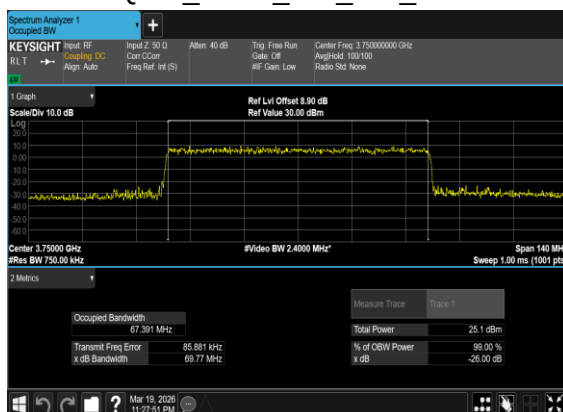
N78(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



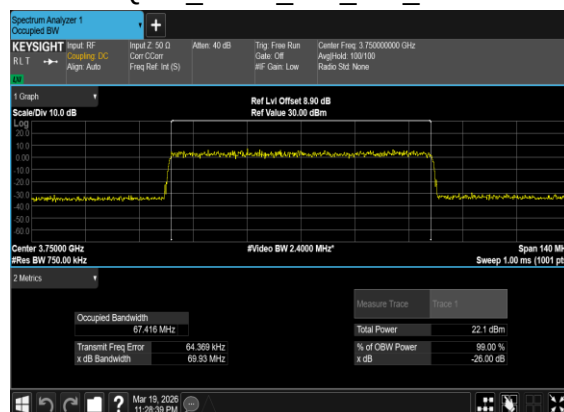
N78(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

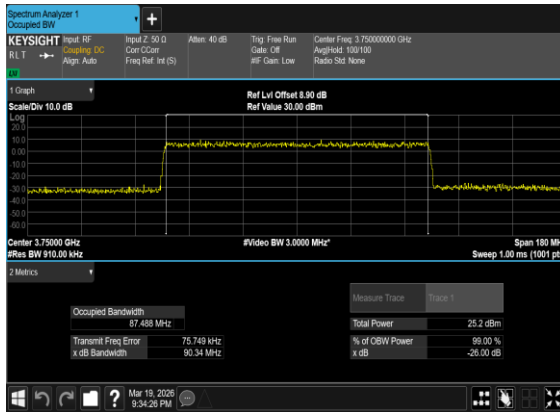


N78(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

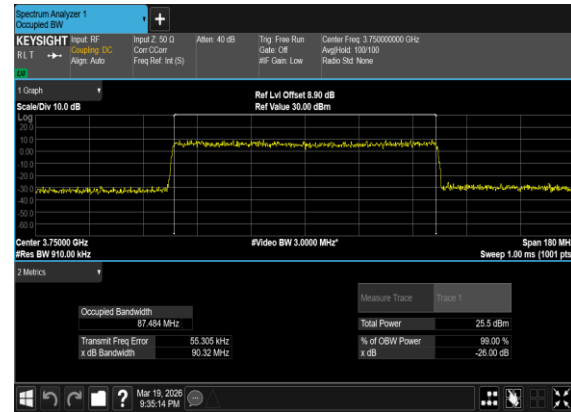




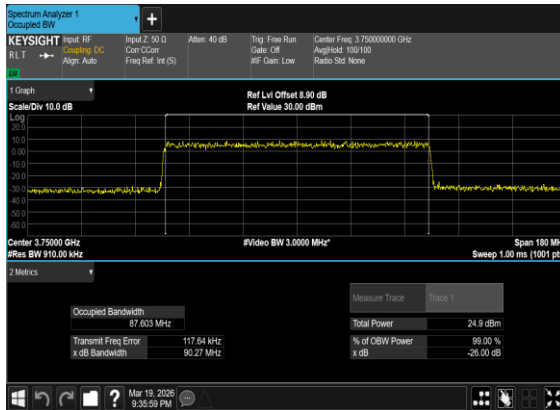
N78(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



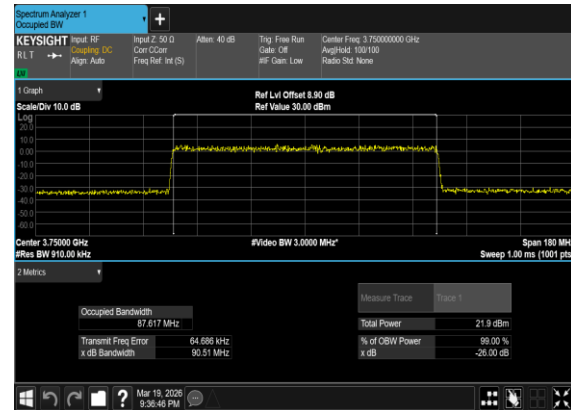
N78(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Conducted Spurious Emissions**

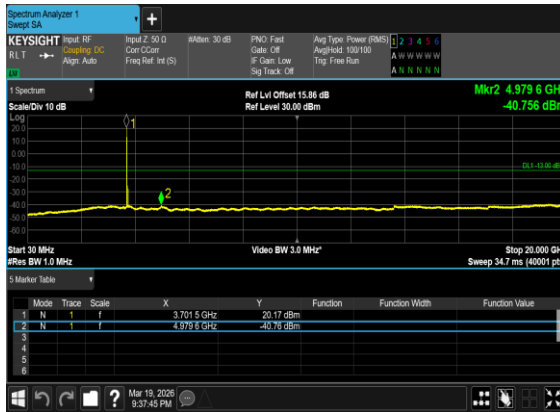
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



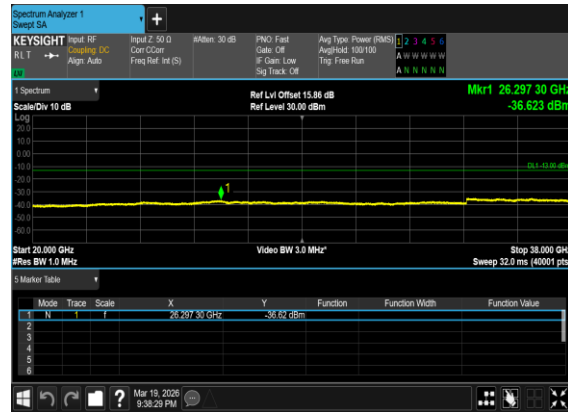
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	PASS



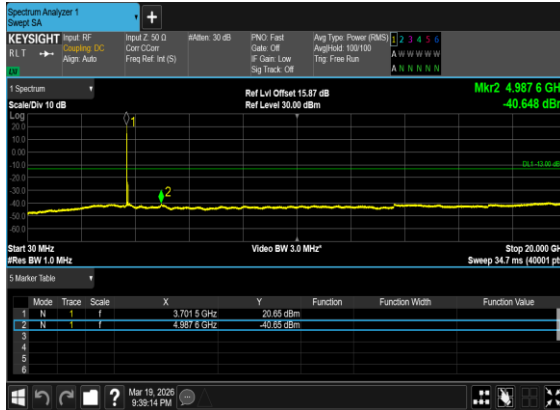
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



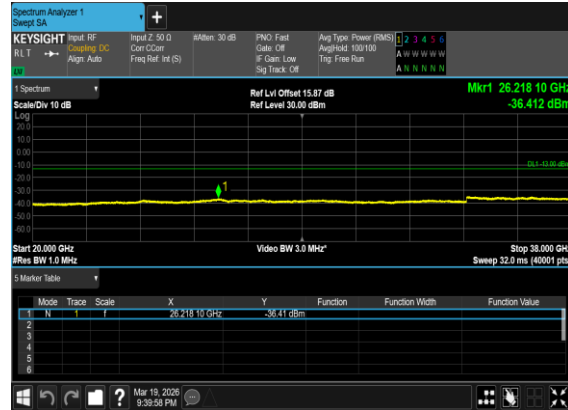
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

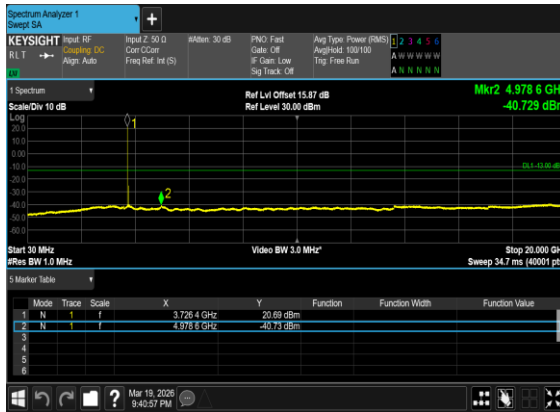


N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

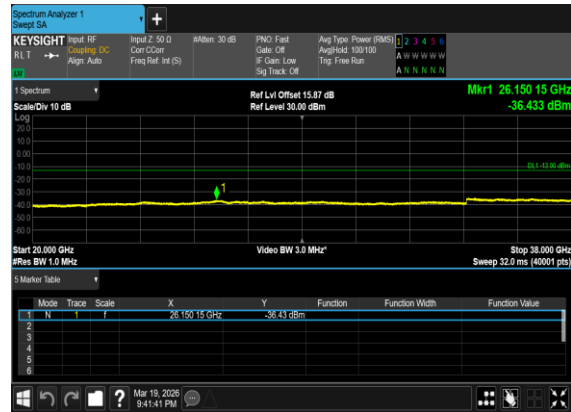




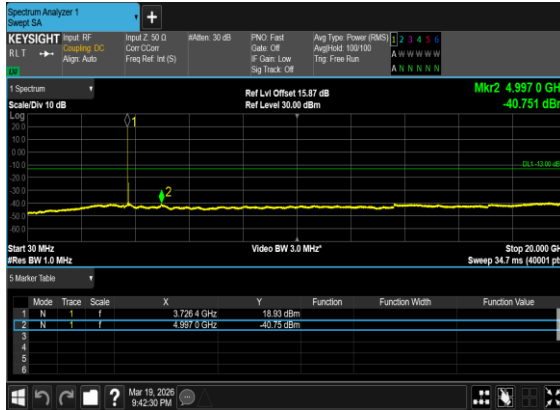
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



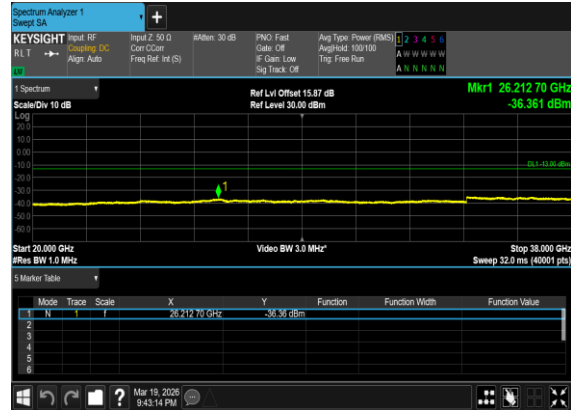
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

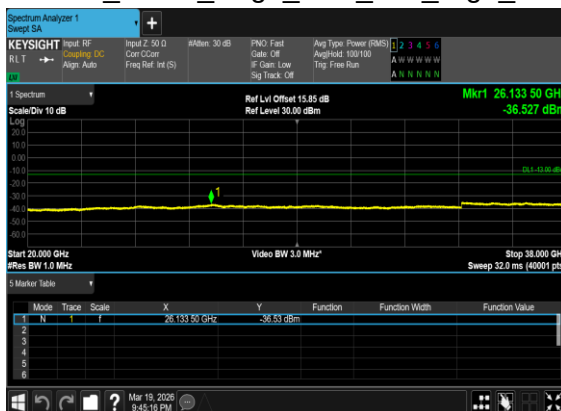




N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



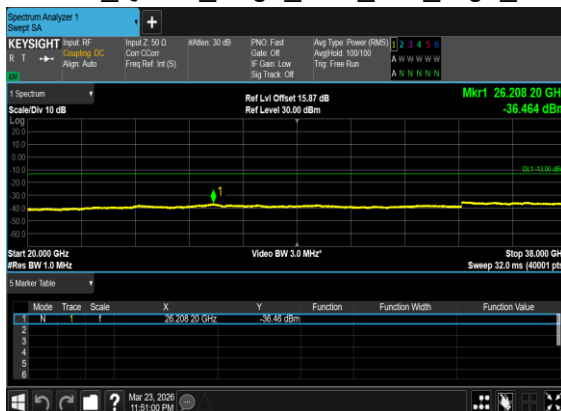
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

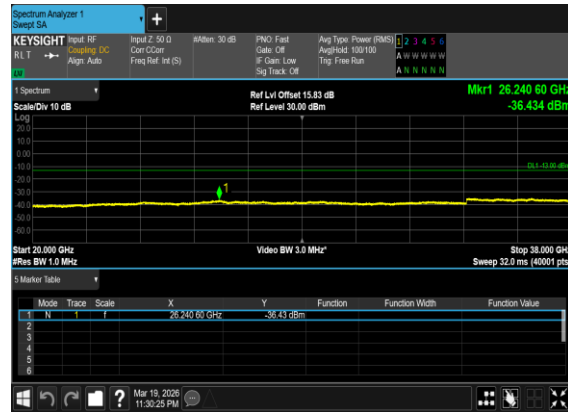




N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



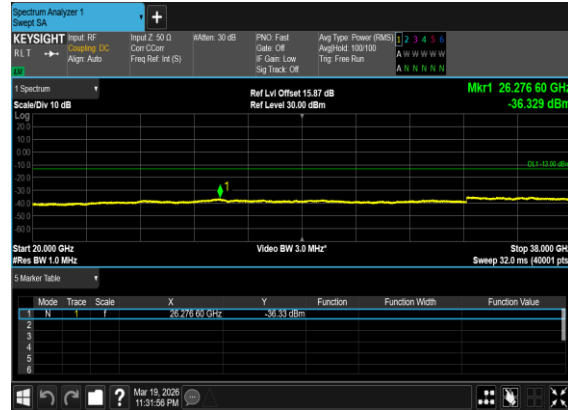
N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

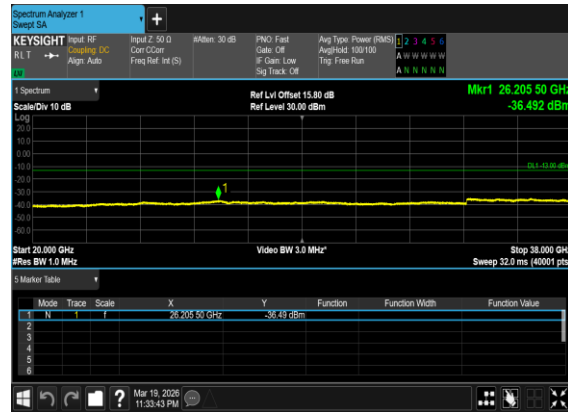




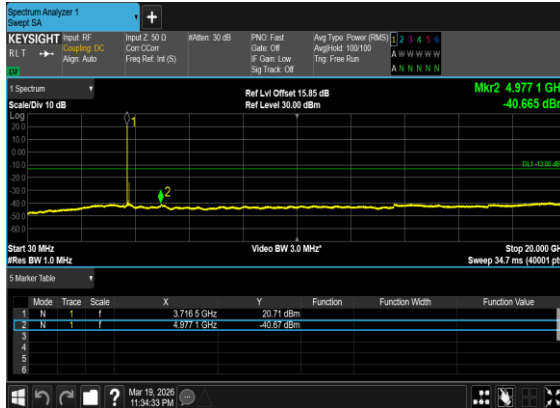
N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



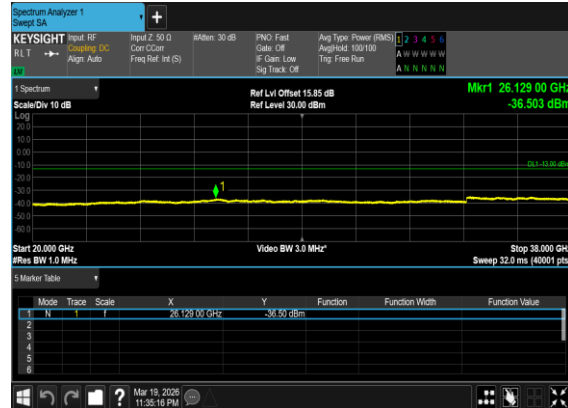
N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

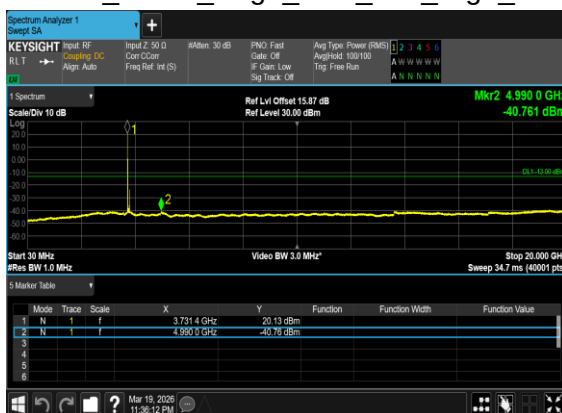


N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

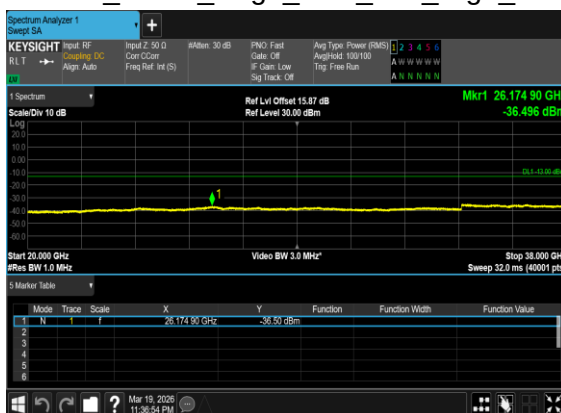




N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



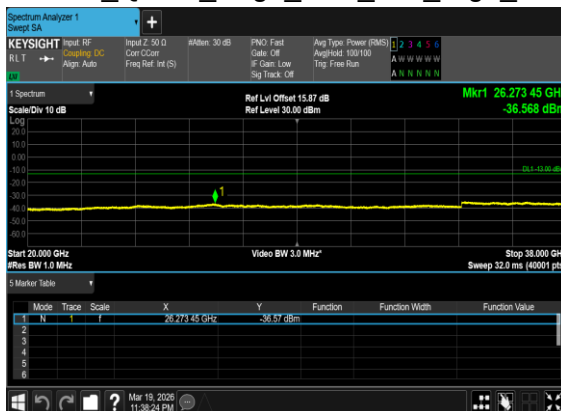
N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



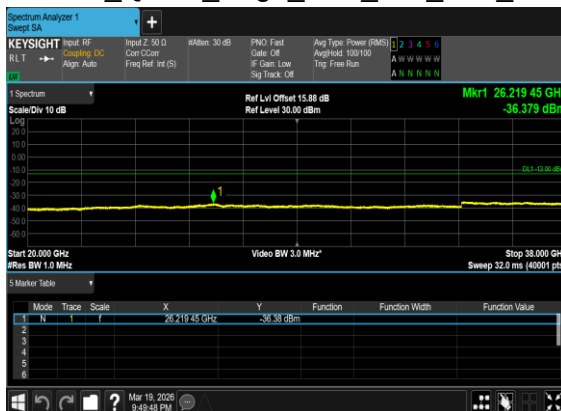
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

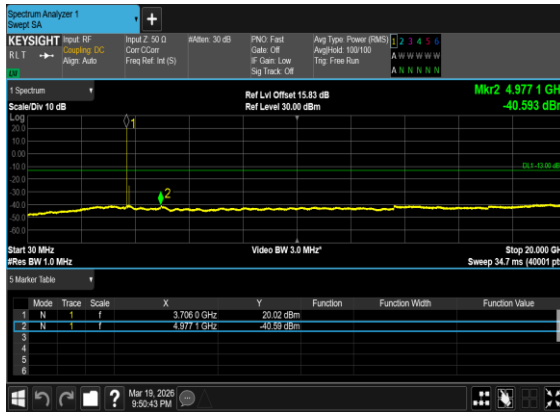


N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

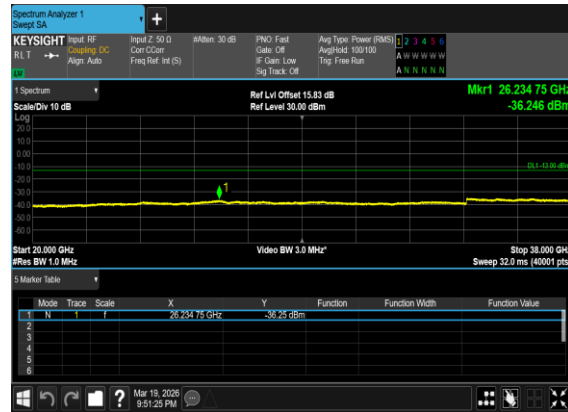




N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



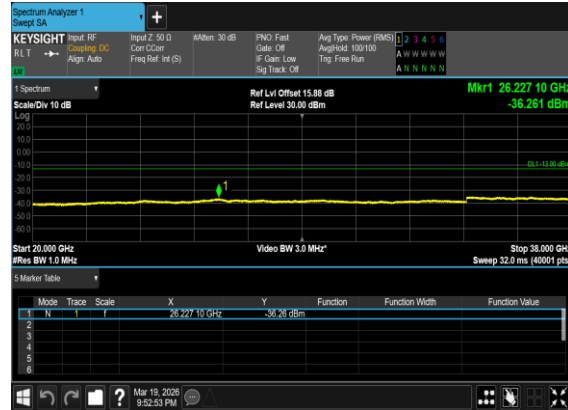
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

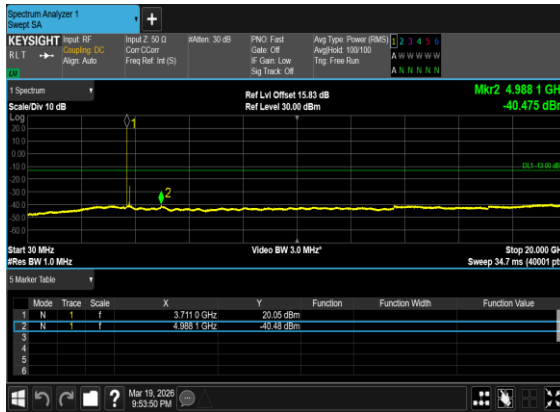


N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

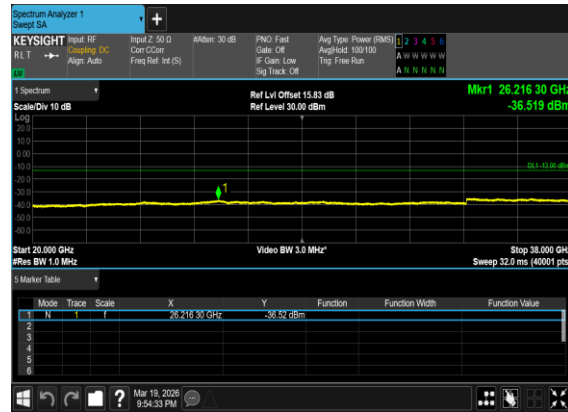




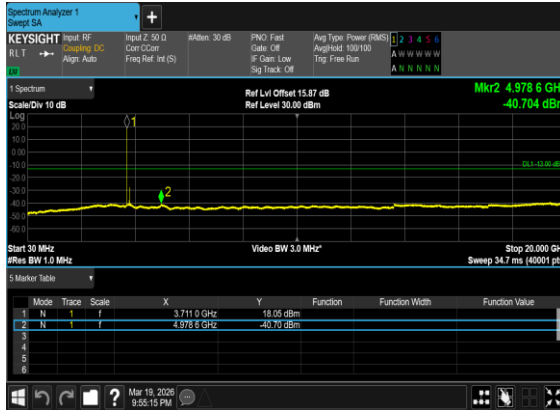
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



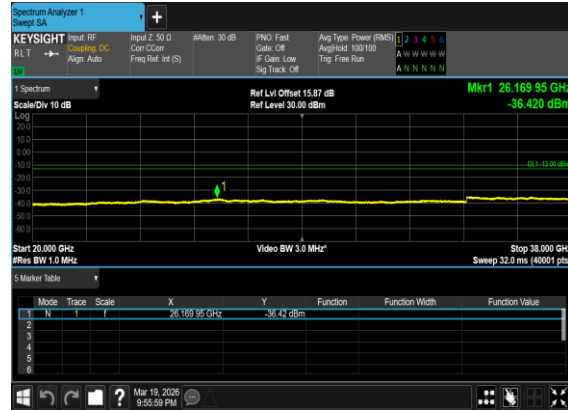
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

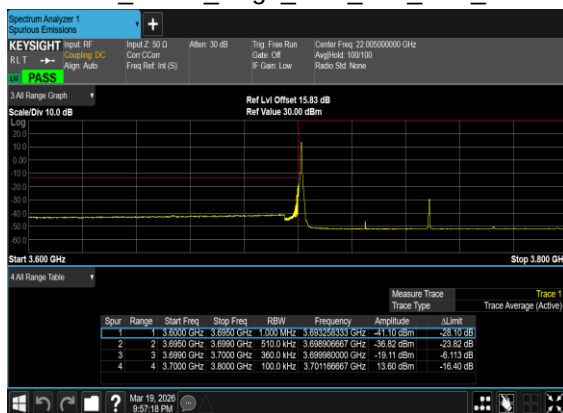


**Conducted Band Edge**

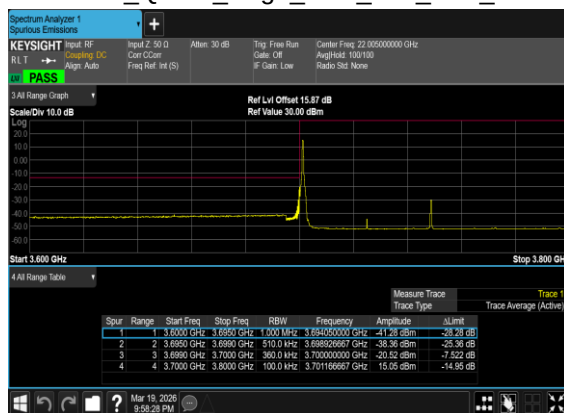
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	180@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	180@0	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@188	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@188	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	180@0	see graph	PASS
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	180@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	240@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@244	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@244	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	240@0	see graph	PASS



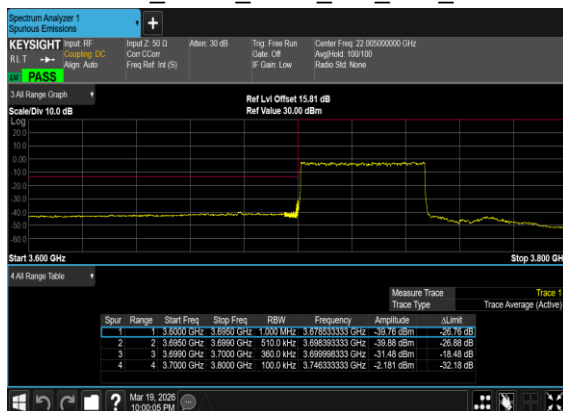
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



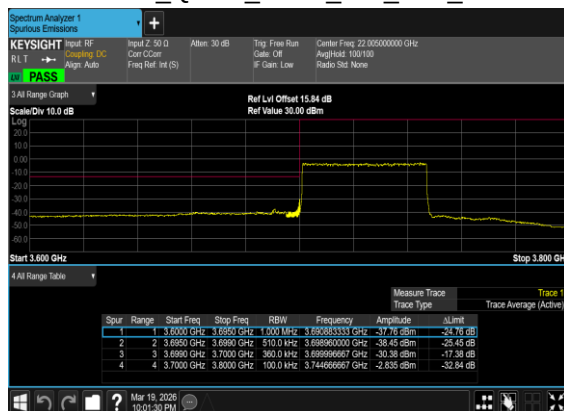
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

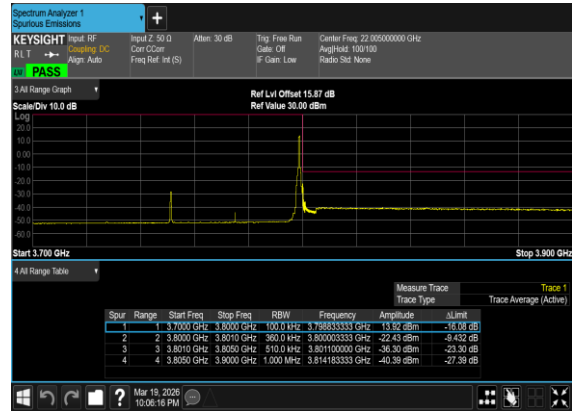




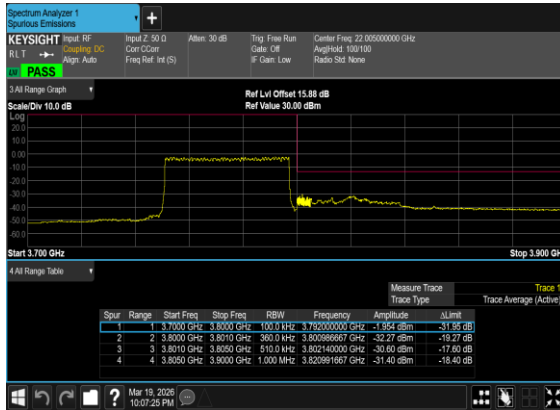
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



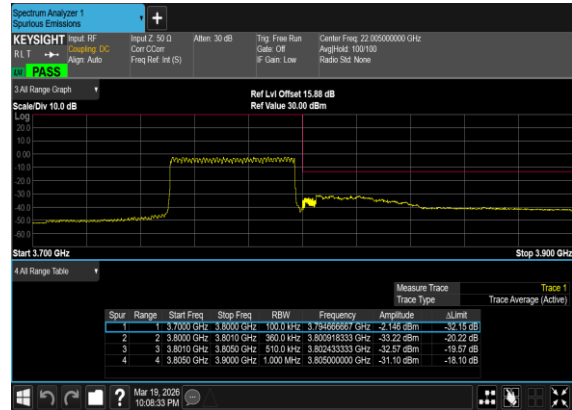
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

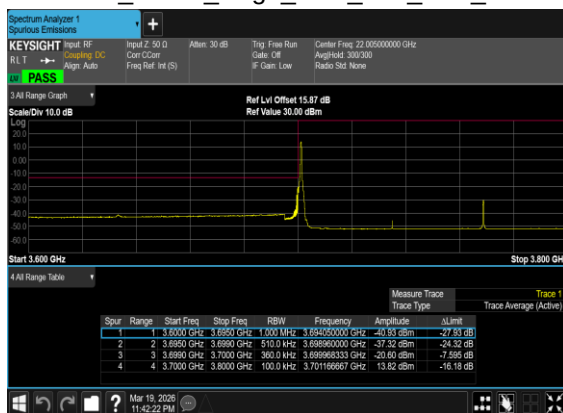


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OFDM_QPSK_Outer_Full_High_CH

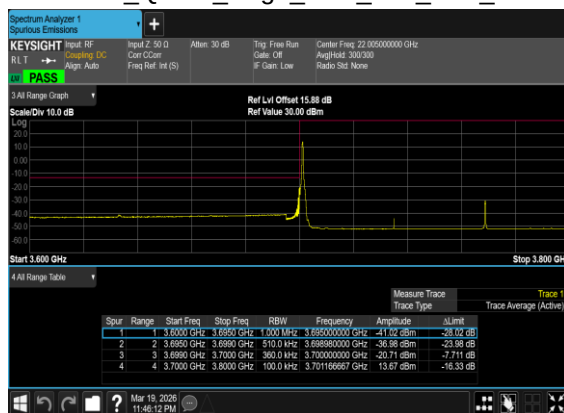




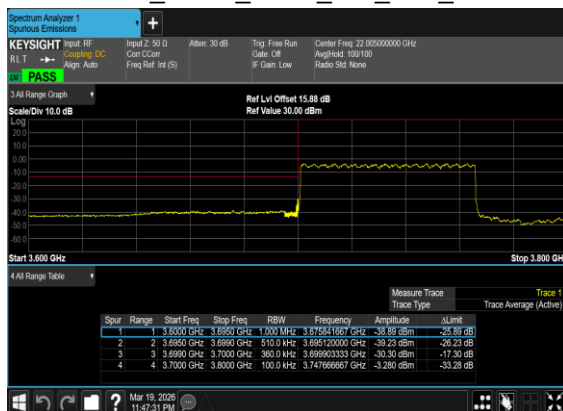
N78(70M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



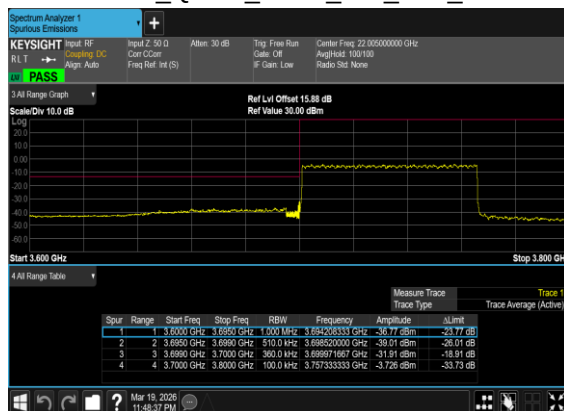
N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

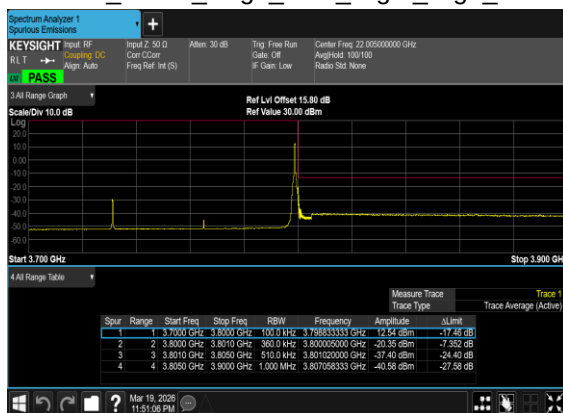


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OFDM_QPSK_Outer_Full_Low_CH

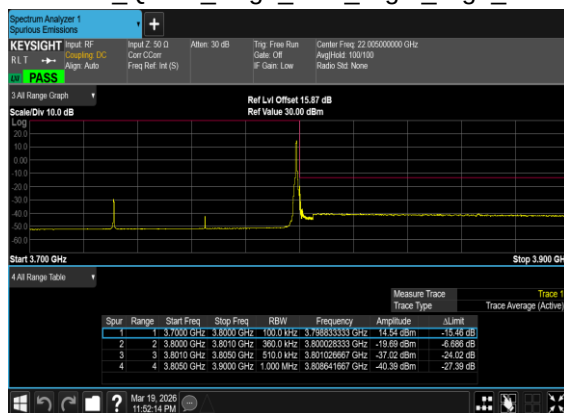




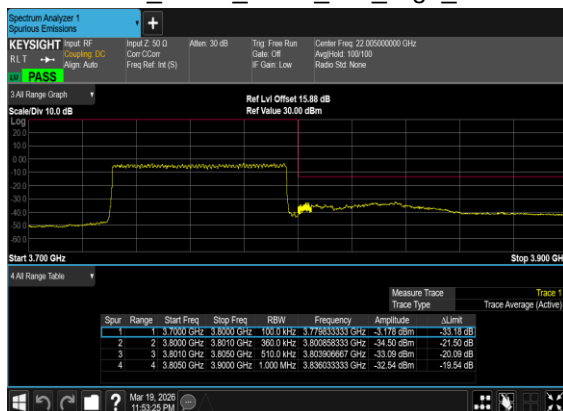
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OFDM_BPSK_Edge_1RB_Right_High_CH



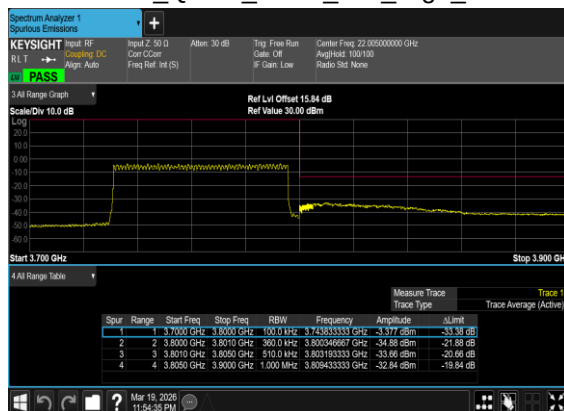
N78(70M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(70M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

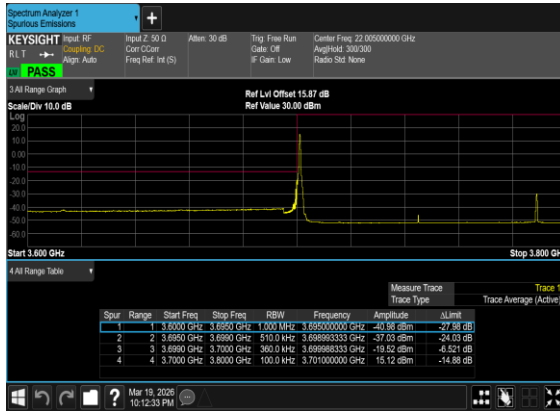


N78(70M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

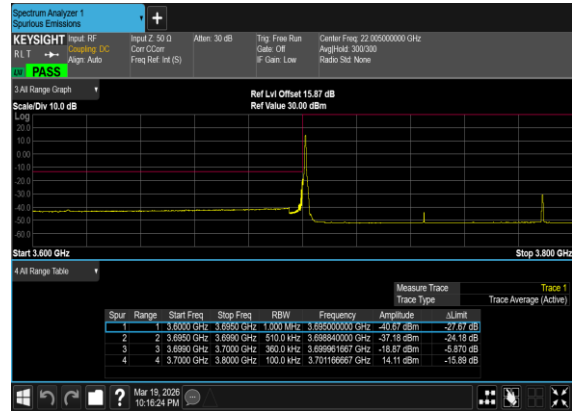




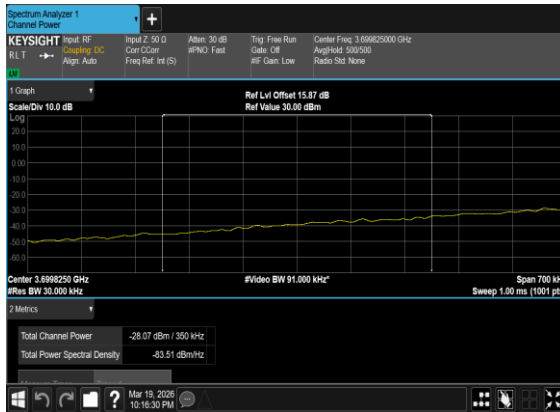
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OFDM_BPSK_Edge_1RB_Left_Low_CH



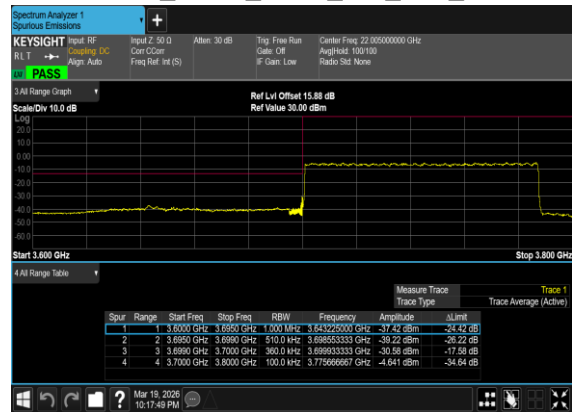
N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP
_PASS

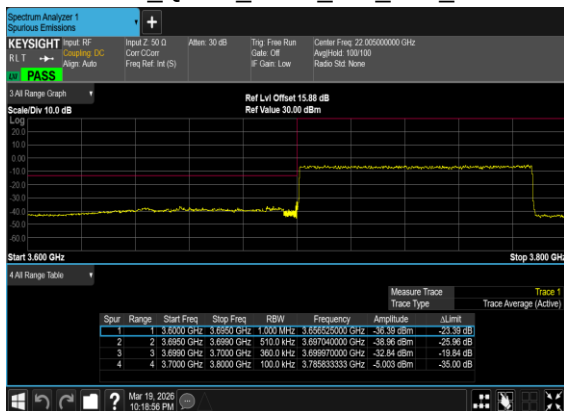


N78(90M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

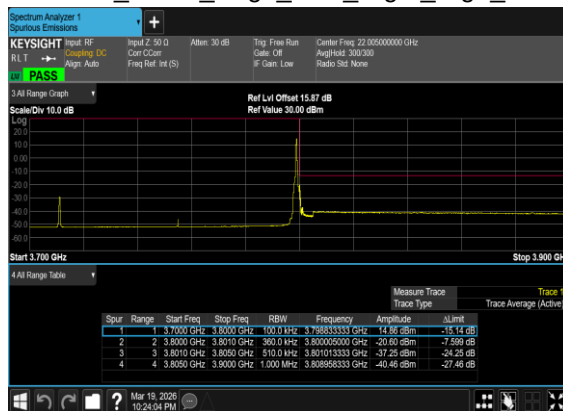




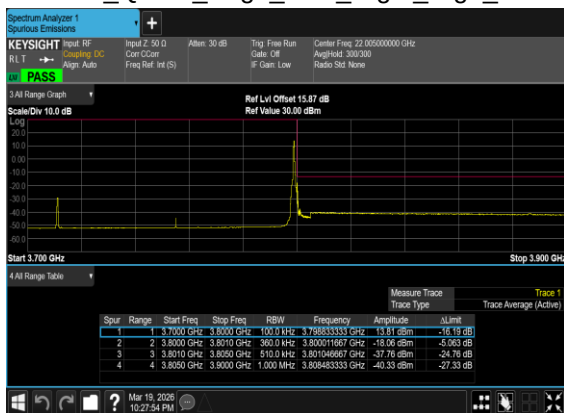
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OFDM_QPSK_Outer_Full_Low_CH



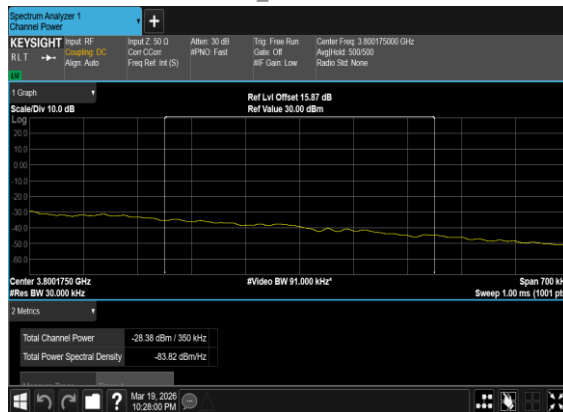
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_chp
PASS

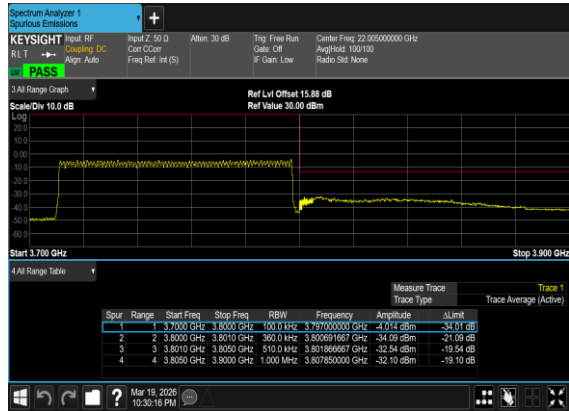




N78(90M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT2)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584.00	-36.46	-13	-23.46	-30.39	-39.76	8.30	11.60	H
	11376.00	-42.86	-13	-29.86	-44.97	-44.38	10.48	12.00	H
	15168.00	-41.82	-13	-28.82	-47.23	-43.52	11.80	13.50	H
	7584.00	-32.56	-13	-19.56	-26.45	-35.86	8.30	11.60	V
	11376.00	-43.56	-13	-30.56	-45.4	-45.08	10.48	12.00	V
	15168.00	-41.46	-13	-28.46	-46.22	-43.16	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC 5A_n77A / LTE 10MHz + NR 100MHz / QPSK(0+2)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7584.00	-37.00	-13	-24.00	-30.93	-40.30	8.30	11.60	H
	11376.00	-48.55	-13	-35.55	-50.66	-50.07	10.48	12.00	H
	15168.00	-44.32	-13	-31.32	-49.73	-46.02	11.80	13.50	H
	7584.00	-33.39	-13	-20.39	-27.28	-36.69	8.30	11.60	V
	11376.00	-52.09	-13	-39.09	-53.93	-53.61	10.48	12.00	V
	15168.00	-49.24	-13	-36.24	-54.00	-50.94	11.80	13.50	V
LTE Band2 Middle	1664	-60.51	-13	-47.51	-70.07	-63.76	4.00	9.40	H
	2496	-61.07	-13	-48.07	-74.92	-64.64	4.88	10.60	H
	3328	-56.89	-13	-43.89	-72.64	-61.82	5.52	12.60	H
	4160	-56.49	-13	-43.49	-75.74	-60.96	6.00	12.62	H
	4992	-52.99	-13	-39.99	-74.88	-56.40	7.14	12.70	H
	5824	-49.93	-13	-36.93	-72.82	-53.16	7.62	13.00	H
	6656	-46.00	-13	-33.00	-37.39	-48.55	8.00	12.70	H
	7488	-47.96	-13	-34.96	-42.14	-48.91	8.40	11.50	H
	1664	-62.43	-13	-49.43	-71.59	-65.68	4.00	9.40	V
	2496	-60.43	-13	-47.43	-74.24	-64.00	4.88	10.60	V
	3328	-59.38	-13	-46.38	-74.89	-64.31	5.52	12.60	V
	4160	-53.66	-13	-40.66	-72.92	-58.13	6.00	12.62	V
	4992	-50.80	-13	-37.80	-72.74	-54.21	7.14	12.70	V
	5824	-48.70	-13	-35.70	-71.87	-51.93	7.62	13.00	V
	6656	-47.28	-13	-34.28	-39.30	-49.83	8.00	12.70	V
	7488	-48.91	-13	-35.91	-43.08	-49.86	8.40	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.