



Software Version: 23.06.1602

FR1 N78_ANT3

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.3dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	24.79	21.49	0.1409
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24.63	21.33	0.1358
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	24.89	21.59	0.1442
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	23.84	20.54	0.1132
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.64	20.34	0.1081
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	23.9	20.6	0.1148
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	24.29	20.99	0.1256
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.29	20.99	0.1256
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	24.39	21.09	0.1285
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	23.32	20.02	0.1005
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.33	20.03	0.1007
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	23.42	20.12	0.1028
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	24.93	21.63	0.1455
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.17	21.87	0.1538
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	24.53	21.23	0.1327
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	23.99	20.69	0.1172
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.18	20.88	0.1225
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	23.54	20.24	0.1057
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	24.98	21.68	0.1472
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	24.82	21.52	0.1419
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	24.79	21.49	0.1409
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	23.98	20.68	0.1169
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.81	20.51	0.1125
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	23.85	20.55	0.1135
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	24.41	21.11	0.1291
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.65	21.35	0.1365
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	24.66	21.36	0.1368
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	23.4	20.1	0.1023
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.62	20.32	0.1076
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	23.69	20.39	0.1094
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.19	21.89	0.1545
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.15	21.85	0.1531
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	24.61	21.31	0.1352
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.21	20.91	0.1233
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.19	20.89	0.1227
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	23.66	20.36	0.1086



78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.03	21.73	0.1489
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.81	21.51	0.1416
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	24.37	21.07	0.1279
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.05	20.75	0.1189
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.79	20.49	0.1119
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	23.42	20.12	0.1028
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	24.42	21.12	0.1294
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.78	21.48	0.1406
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	24.87	21.57	0.1435
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	23.45	20.15	0.1035
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.8	20.5	0.1122
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	23.87	20.57	0.1140
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.21	21.91	0.1552
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.74	21.44	0.1393
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	24.53	21.23	0.1327
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.25	20.95	0.1245
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.8	20.5	0.1122
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	23.61	20.31	0.1074
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.01	21.71	0.1483
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	24.74	21.44	0.1393
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	24.16	20.86	0.1219
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.03	20.73	0.1183
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.78	20.48	0.1117
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	23.17	19.87	0.0971
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	24.5	21.2	0.1318
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.93	21.63	0.1455
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	24.98	21.68	0.1472
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	23.5	20.2	0.1047
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.94	20.64	0.1159
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.03	20.73	0.1183
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.18	21.88	0.1542
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	24.46	21.16	0.1306
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	24.55	21.25	0.1334
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	24.2	20.9	0.1230
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.58	20.28	0.1067
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	23.56	20.26	0.1062
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	24.75	21.45	0.1396
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	24.82	21.52	0.1419
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	24.39	21.09	0.1285
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	23.78	20.48	0.1117
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.85	20.55	0.1135
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	23.43	20.13	0.1030
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	24.39	21.09	0.1285
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.07	21.77	0.1503
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.05	21.75	0.1496



78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	23.51	20.21	0.1050
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.09	20.79	0.1199
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.05	20.75	0.1189
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	24.92	21.62	0.1452
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	24.53	21.23	0.1327
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	24.5	21.2	0.1318
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	23.96	20.66	0.1164
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.56	20.26	0.1062
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	23.55	20.25	0.1059
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	24.68	21.38	0.1374
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	24.86	21.56	0.1432
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	24.79	21.49	0.1409
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	23.71	20.41	0.1099
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	23.91	20.61	0.1151
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	23.83	20.53	0.1130
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	24.47	21.17	0.1309
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.13	21.83	0.1524
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	24.93	21.63	0.1455
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	23.53	20.23	0.1054
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.11	20.81	0.1205
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	23.98	20.68	0.1169
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	24.81	21.51	0.1416
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	24.86	21.56	0.1432
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	24.49	21.19	0.1315
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	23.85	20.55	0.1135
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.89	20.59	0.1146
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	23.51	20.21	0.1050
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	24.63	21.33	0.1358
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	24.91	21.61	0.1449
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.1	21.8	0.1514
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	23.67	20.37	0.1089
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.93	20.63	0.1156
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.11	20.81	0.1205
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	24.56	21.26	0.1337
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.03	21.73	0.1489
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	24.82	21.52	0.1419
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	23.59	20.29	0.1069
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.09	20.79	0.1199
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	23.82	20.52	0.1127
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	24.75	21.45	0.1396
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.19	21.89	0.1545
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	24.5	21.2	0.1318
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	23.77	20.47	0.1114
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.23	20.93	0.1239
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	23.55	20.25	0.1059



78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	24.63	21.33	0.1358
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	24.91	21.61	0.1449
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	24.76	21.46	0.1400
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	23.65	20.35	0.1084
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	23.93	20.63	0.1156
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	23.83	20.53	0.1130
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	24.62	21.32	0.1355
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.92	21.62	0.1452
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	24.63	21.33	0.1358
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	23.63	20.33	0.1079
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.94	20.64	0.1159
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	23.68	20.38	0.1091
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	24.67	21.37	0.1371
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.09	21.79	0.1510
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	24.45	21.15	0.1303
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	23.7	20.4	0.1096
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.13	20.83	0.1211
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	23.54	20.24	0.1057
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.09	21.79	0.1510
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.25	21.95	0.1567
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.03	21.73	0.1489
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.05	21.75	0.1496
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.23	21.93	0.1560
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25	21.7	0.1479
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.09	20.79	0.1199
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.21	20.91	0.1233
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.1	20.8	0.1202
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.63	19.33	0.0857
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.84	19.54	0.0899
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.64	19.34	0.0859
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.63	17.33	0.0541
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.68	17.38	0.0547
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.46	17.16	0.0520
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.5	20.2	0.1047
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.62	20.32	0.1076
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.43	20.13	0.1030



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.388	69.68
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.34	69.69
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.518	69.73
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.446	69.69
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.384	90.27
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.592	90.16
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.327	90.27
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.406	90.2



N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



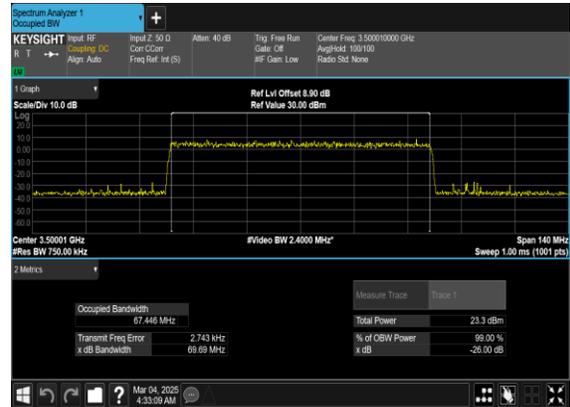
N78(70M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

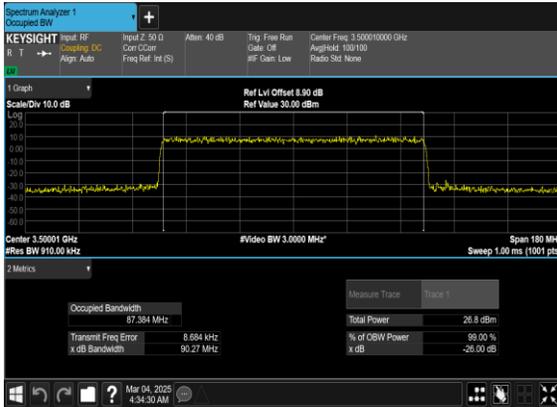


N78(70M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

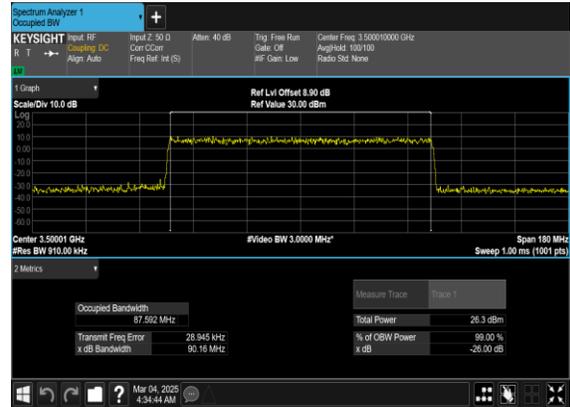




N78(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



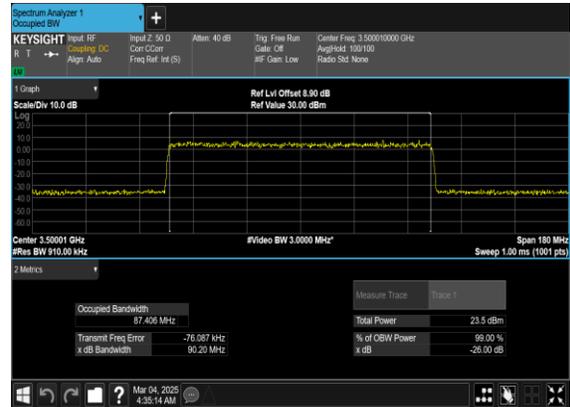
N78(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	632334	3485.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	632334	3485.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	634332	3514.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	633000	3495.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS



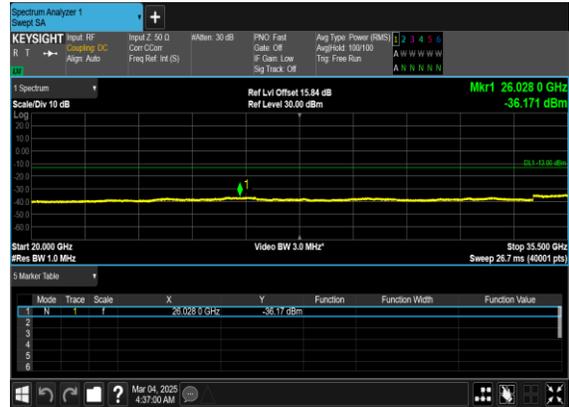
78	30	90	633666	3504.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	633666	3504.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	see graph	PASS



N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



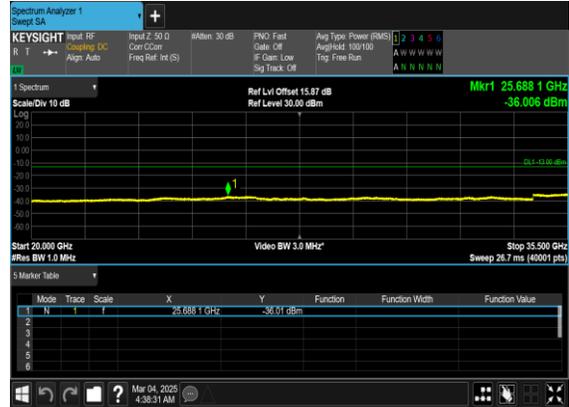
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

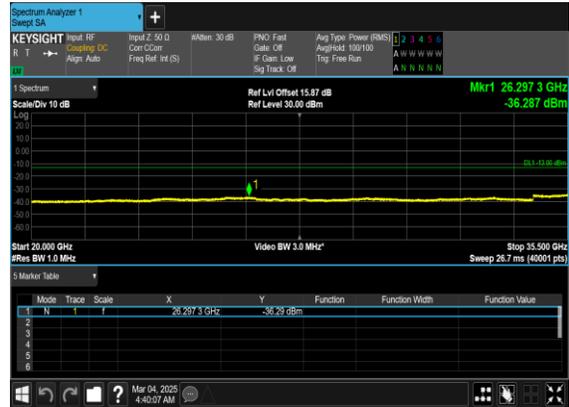




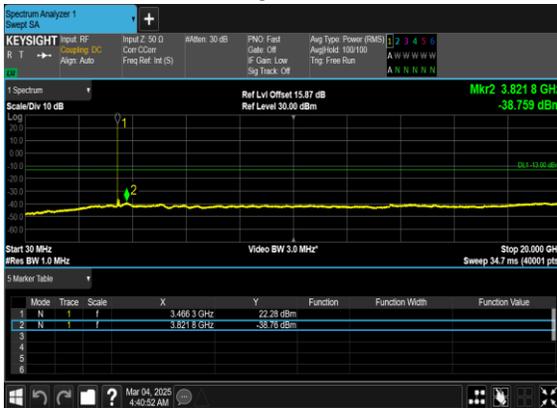
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



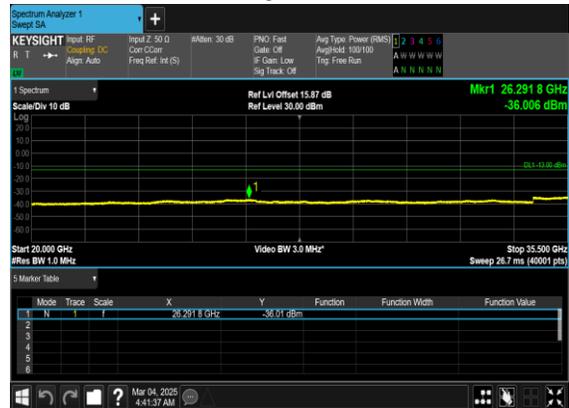
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

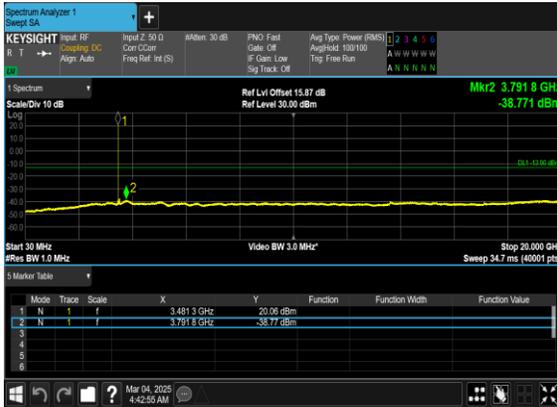


N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

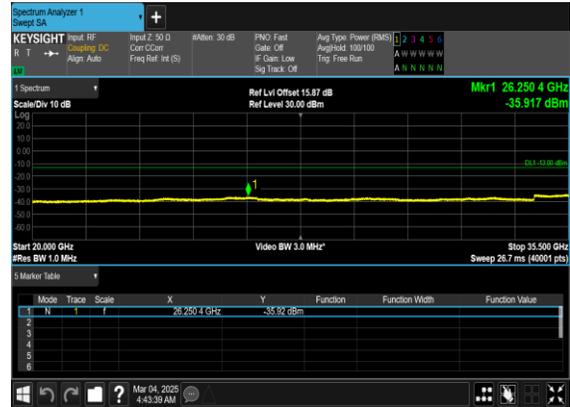




N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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



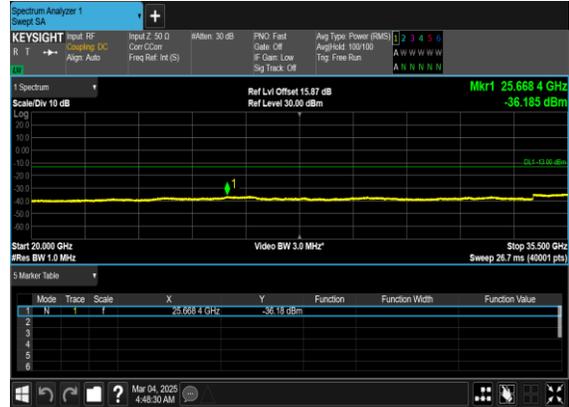
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

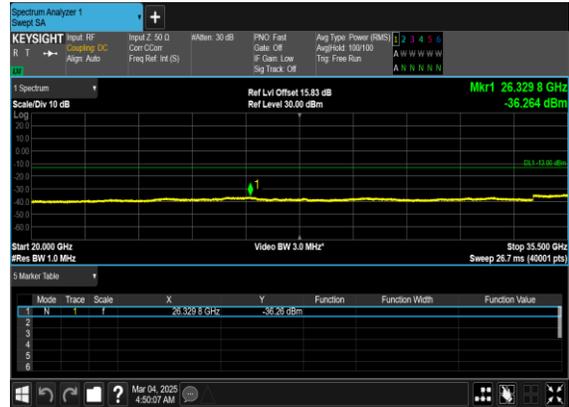




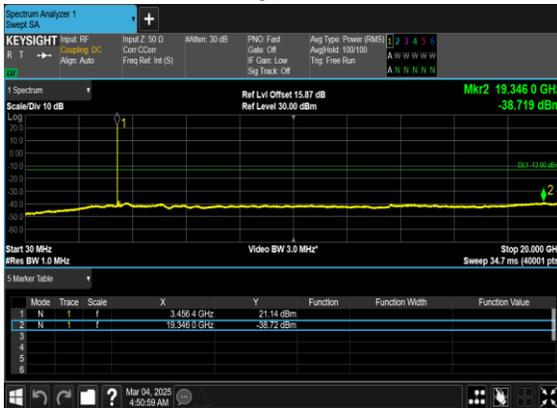
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



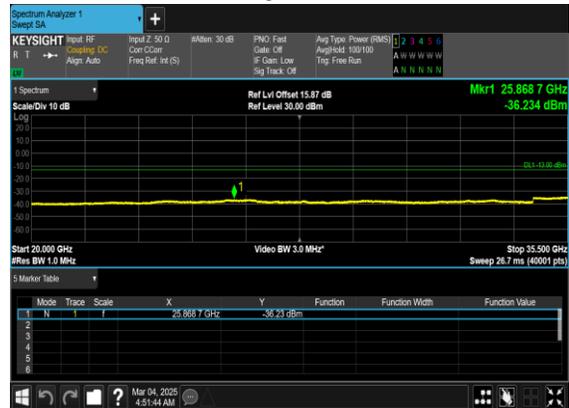
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

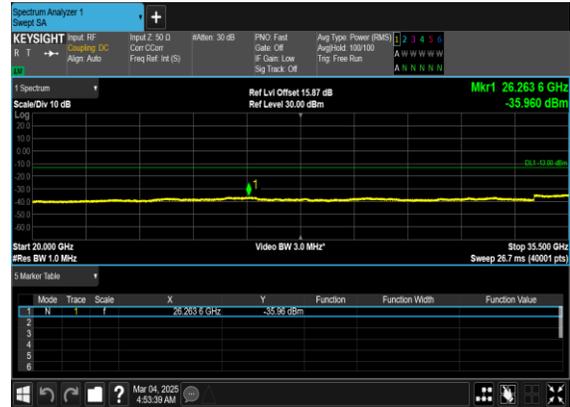




N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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



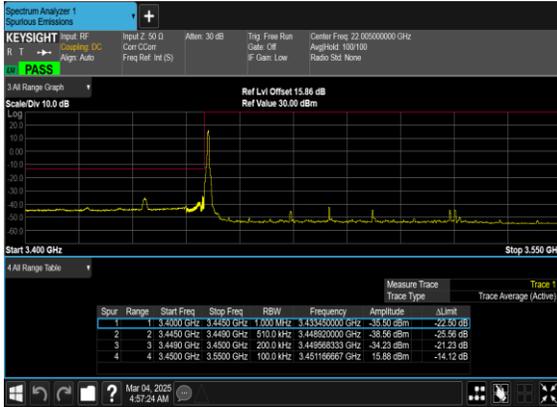


Conducted Band Edge

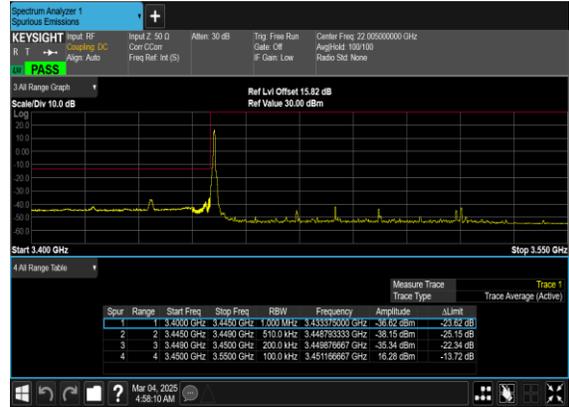
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	632334	3485.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM BPSK	180@0	see graph	PASS
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	180@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM BPSK	1@188	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@188	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM BPSK	180@0	see graph	PASS
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	180@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	240@0	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM BPSK	1@244	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@244	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	240@0	see graph	PASS



N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



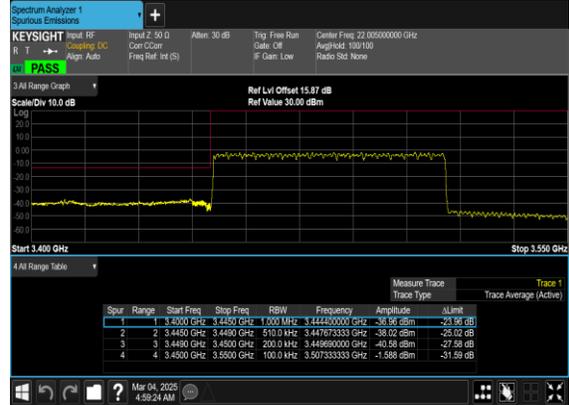
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

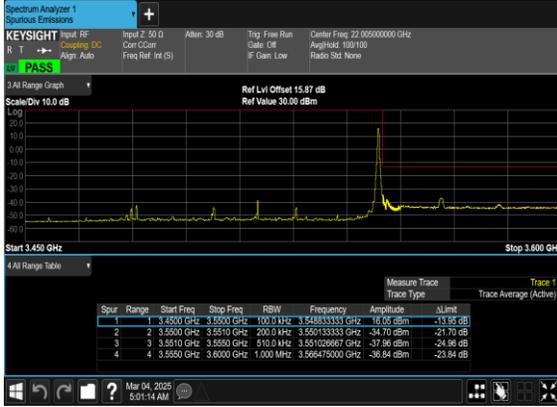


N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

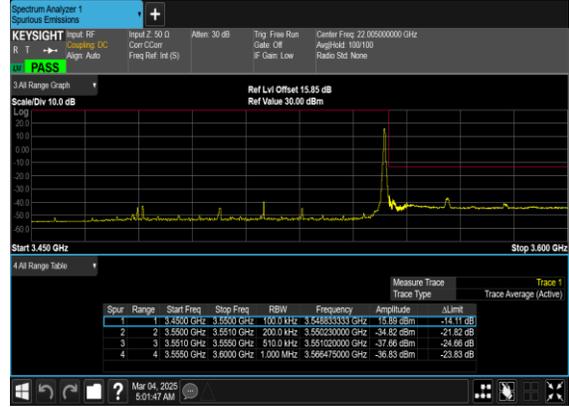




N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



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





N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



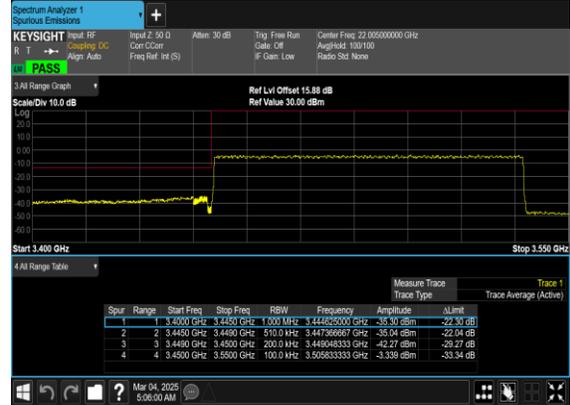
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N78(90M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





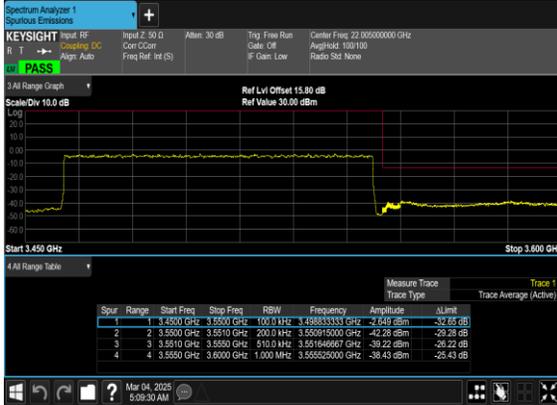
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(90M)_DFT-s-OFDM_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.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT3									
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	6904.00	-59.97	-13	-46.97	-64.69	-63.27	8.30	11.60	H
	10356.00	-53.88	-13	-40.88	-65.52	-55.40	10.48	12.00	H
	13808.00	-52.95	-13	-39.95	-68.26	-54.65	11.80	13.50	H
	6904.00	-53.02	-13	-40.02	-58.22	-56.32	8.30	11.60	V
	10356.00	-44.73	-13	-31.73	-55.5	-46.25	10.48	12.00	V
	13808.00	-53.75	-13	-40.75	-68.40	-55.45	11.80	13.50	V

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

EN-DC_41A_n77 / LTE 10MHz + NR 100MHz / QPSK / ANT7(LTE) & ANT3 (NR)									
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	6904.00	-53.78	-13	-40.78	-79.34	-57.08	8.30	11.60	H
	10356.00	-50.91	-13	-37.91	-62.55	-52.43	10.48	12.00	H
	13808.00	-52.51	-13	-39.51	-67.82	-54.21	11.80	13.50	H
	6904.00	-39.76	-13	-26.76	-65.8	-43.06	8.30	11.60	V
	10356.00	-50.69	-13	-37.69	-61.46	-52.21	10.48	12.00	V
	13808.00	-53.31	-13	-40.31	-67.96	-55.01	11.80	13.50	V
LTE Band41 Middle	5186.00	-60.52	-25	-35.52	-82.32	-66.08	7.14	12.70	H
	7779.00	-55.84	-25	-30.84	-82.67	-59.14	8.30	11.60	H
	10372.00	-55.54	-25	-30.54	-67.21	-57.06	10.48	12.00	H
	5186.00	-60.09	-25	-35.09	-82.18	-65.65	7.14	12.70	V
	7779.00	-53.95	-25	-28.95	-80.61	-57.25	8.30	11.60	V
	10372.00	-55.72	-25	-30.72	-66.56	-57.24	10.48	12.00	V

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