

B41_N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



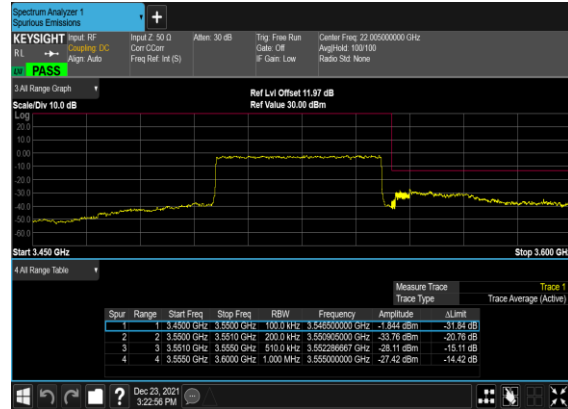
B41_N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



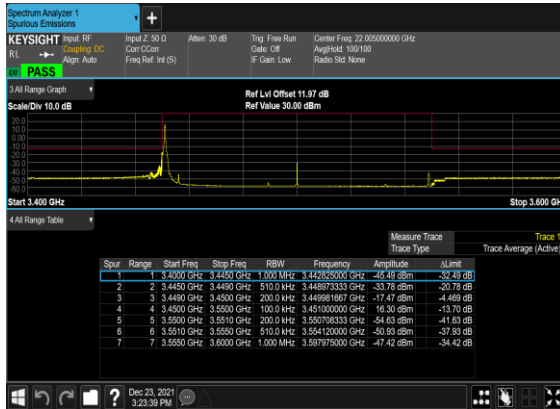
B41_N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



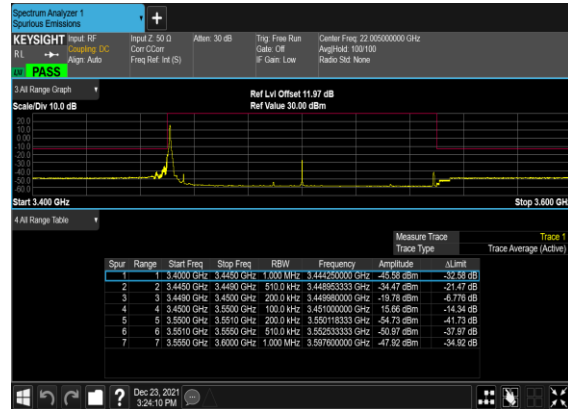
B41_N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B41_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



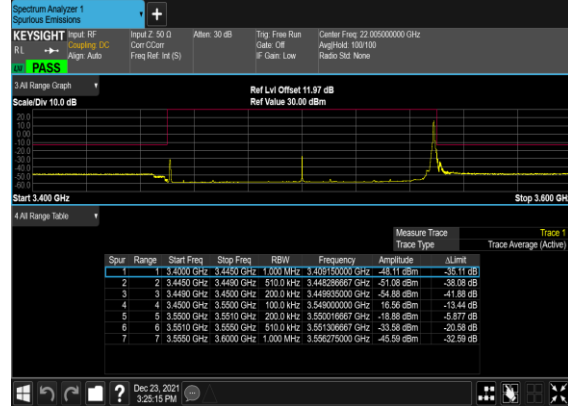
B41_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



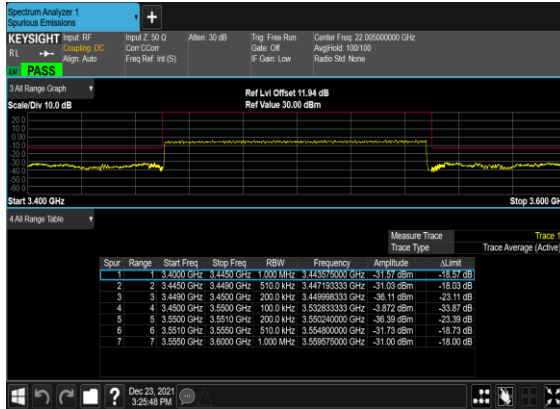
B41_N77(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



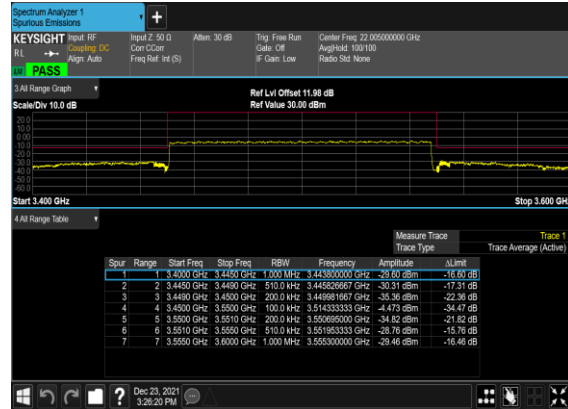
B41_N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



B41_N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



B41_N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



FR1 N77(ANT3)

LTE Band: 41(ANT0), LTE BW: 20M, LTE ARFCN: Mid

Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.21	22.71	0.1866
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.01	22.51	0.1782
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.07	22.57	0.1807
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.22	22.72	0.1871
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.03	22.53	0.1791
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.04	22.54	0.1795
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.25	21.75	0.1496
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.03	21.53	0.1422
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.27	21.77	0.1503
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.71	20.21	0.1050
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.37	19.87	0.0971
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.51	20.01	0.1002
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.72	18.22	0.0664
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.29	17.79	0.0601
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.4	17.9	0.0617
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.71	21.21	0.1321
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.48	20.98	0.1253
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.5	21	0.1259

FR1 N78(ANT5)

LTE Band: 41(ANT0), LTE BW: 20M, LTE ARFCN: Mid

Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	25.62	23.52	0.2249
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.63	23.53	0.2254
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.52	23.42	0.2198
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.63	23.53	0.2254
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.67	23.57	0.2275
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.58	23.48	0.2228
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.68	22.58	0.1811
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.6	22.5	0.1778
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.57	22.47	0.1766
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.11	21.01	0.1262
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.18	21.08	0.1282
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.06	20.96	0.1247
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.1	19	0.0794
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.15	19.05	0.0804
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.04	18.94	0.0783
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.14	22.04	0.1600
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.17	22.07	0.1611
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.05	21.95	0.1567
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.86	23.76	0.2377
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.65	23.55	0.2265
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.68	23.58	0.2280
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.89	23.79	0.2393
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.96	23.86	0.2432
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.65	23.55	0.2265
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.25	23.15	0.2065
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.04	22.94	0.1968

78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.09	22.99	0.1991
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.75	21.65	0.1462
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.64	21.54	0.1426
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.56	21.46	0.1400
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.77	19.67	0.0927
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.61	19.51	0.0893
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.63	19.53	0.0897
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.72	22.62	0.1828
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.51	22.41	0.1742
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.54	22.44	0.1754
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	25.69	23.59	0.2286
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.67	23.57	0.2275
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	25.88	23.78	0.2388
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.97	23.87	0.2438
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.65	23.55	0.2265
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.63	23.53	0.2254
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.22	23.12	0.2051
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.08	22.98	0.1986
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.12	23.02	0.2004
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.72	21.62	0.1452
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.7	21.6	0.1445
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.74	21.64	0.1459
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.72	19.62	0.0916
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.62	19.52	0.0895
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.59	19.49	0.0889
78	30	20	636000	3540	CP-OFDM QPSK	25@12	24.72	22.62	0.1828
78	30	20	636000	3540	CP-OFDM QPSK	1@1	24.53	22.43	0.1750
78	30	20	636000	3540	CP-OFDM QPSK	1@49	24.62	22.52	0.1786
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	25.7	23.6	0.2291
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	25.77	23.67	0.2328
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	25.7	23.6	0.2291
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.71	23.61	0.2296
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.8	23.7	0.2344
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	25.72	23.62	0.2301

78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	24.7	22.6	0.1820
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.87	22.77	0.1892
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	24.78	22.68	0.1854
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	23.26	21.16	0.1306
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	23.13	21.03	0.1268
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	23.35	21.25	0.1334
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	21.31	19.21	0.0834
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	21.3	19.2	0.0832
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	21.21	19.11	0.0815
78	30	30	631000	3465	CP-OFDM QPSK	39@19	24.21	22.11	0.1626
78	30	30	631000	3465	CP-OFDM QPSK	1@1	24.23	22.13	0.1633
78	30	30	631000	3465	CP-OFDM QPSK	1@76	24.14	22.04	0.1600
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	25.89	23.79	0.2393
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.85	23.75	0.2371
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	25.87	23.77	0.2382
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.92	23.82	0.2410
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.82	23.72	0.2355
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.87	23.77	0.2382
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.93	22.83	0.1919
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.64	22.54	0.1795
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.89	22.79	0.1901
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.48	21.38	0.1374
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.61	21.51	0.1416
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	23.54	21.44	0.1393
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.37	19.27	0.0845
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.39	19.29	0.0849
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	21.43	19.33	0.0857
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	24.45	22.35	0.1718
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.31	22.21	0.1663
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	24.31	22.21	0.1663
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	25.77	23.67	0.2328
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.96	23.86	0.2432
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	25.79	23.69	0.2339
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.84	23.74	0.2366

78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.98	23.88	0.2443
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.82	23.72	0.2355
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.82	22.72	0.1871
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.96	22.86	0.1932
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.83	22.73	0.1875
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	23.39	21.29	0.1346
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.77	21.67	0.1469
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	23.51	21.41	0.1384
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	21.26	19.16	0.0824
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.52	19.42	0.0875
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21.35	19.25	0.0841
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	24.3	22.2	0.1660
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	24.45	22.35	0.1718
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	24.24	22.14	0.1637
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.7	23.6	0.2291
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.82	23.72	0.2355
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.77	23.67	0.2328
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.73	23.63	0.2307
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.84	23.74	0.2366
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.77	23.67	0.2328
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.71	22.61	0.1824
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.8	22.7	0.1862
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.8	22.7	0.1862
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.21	21.11	0.1291
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.32	21.22	0.1324
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.08	20.98	0.1253
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.2	19.1	0.0813
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.38	19.28	0.0847
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.31	19.21	0.0834
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.21	22.11	0.1626
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.37	22.27	0.1687
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.23	22.13	0.1633
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	25.91	23.81	0.2404
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.84	23.74	0.2366

78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.88	23.78	0.2388
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.93	23.83	0.2415
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.87	23.77	0.2382
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.91	23.81	0.2404
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.92	22.82	0.1914
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	22.88	0.1941
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.88	22.78	0.1897
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.4	21.3	0.1349
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.19	21.09	0.1285
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.09	20.99	0.1256
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.41	19.31	0.0853
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.4	19.3	0.0851
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.44	19.34	0.0859
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.41	22.31	0.1702
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.36	22.26	0.1683
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	24.36	22.26	0.1683
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	25.81	23.71	0.2350
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.95	23.85	0.2427
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.78	23.68	0.2333
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.84	23.74	0.2366
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.95	23.85	0.2427
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.81	23.71	0.2350
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.84	22.74	0.1879
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.09	22.99	0.1991
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.93	22.83	0.1919
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.31	21.21	0.1321
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.43	21.33	0.1358
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.32	21.22	0.1324
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.3	19.2	0.0832
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.47	19.37	0.0865
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.31	19.21	0.0834
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.33	22.23	0.1671
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.42	22.32	0.1706
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.26	22.16	0.1644

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	25.5	23.4	0.2188
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.49	23.39	0.2183
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.46	23.36	0.2168
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.51	23.41	0.2193
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.48	23.38	0.2178
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.5	23.4	0.2188
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.5	22.4	0.1738
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.51	22.41	0.1742
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.47	22.37	0.1726
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.01	20.91	0.1233
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.14	21.04	0.1271
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.13	21.03	0.1268
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	20.89	18.79	0.0757
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.01	18.91	0.0778
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.17	19.07	0.0807
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.04	21.94	0.1563
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.08	21.98	0.1578
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	23.99	21.89	0.1545
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.62	23.52	0.2249
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.4	23.3	0.2138
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.56	23.46	0.2218
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.62	23.52	0.2249
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	23.32	0.2148
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.52	23.42	0.2198
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.65	22.55	0.1799
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.43	22.33	0.1710
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.55	22.45	0.1758
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.11	21.01	0.1262
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.97	20.87	0.1222
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.21	21.11	0.1291
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.43	19.33	0.0857
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.83	18.73	0.0746
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	20.94	18.84	0.0766
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.2	22.1	0.1622

78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24	21.9	0.1549
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.05	21.95	0.1567
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	25.56	23.46	0.2218
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.59	23.49	0.2234
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.41	23.31	0.2143
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.58	23.48	0.2228
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.57	23.47	0.2223
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.41	23.31	0.2143
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	24.6	22.5	0.1778
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.58	22.48	0.1770
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.32	22.22	0.1667
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.13	21.03	0.1268
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.09	20.99	0.1256
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	22.98	20.88	0.1225
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	20.97	18.87	0.0771
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	20.91	18.81	0.0760
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	20.93	18.83	0.0764
78	30	50	635000	3525	CP-OFDM QPSK	67@33	24.13	22.03	0.1596
78	30	50	635000	3525	CP-OFDM QPSK	1@1	24.12	22.02	0.1592
78	30	50	635000	3525	CP-OFDM QPSK	1@131	23.92	21.82	0.1521
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	25.5	23.4	0.2188
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.6	23.5	0.2239
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.57	23.47	0.2223
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.54	23.44	0.2208
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.61	23.51	0.2244
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.53	23.43	0.2203
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	24.54	22.44	0.1754
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.41	22.31	0.1702
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.4	22.3	0.1698
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.05	20.95	0.1245
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.15	21.05	0.1274
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	22.87	20.77	0.1194
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.15	19.05	0.0804
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.12	19.02	0.0798

78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.14	19.04	0.0802
78	30	60	632000	3480	CP-OFDM QPSK	81@40	24.04	21.94	0.1563
78	30	60	632000	3480	CP-OFDM QPSK	1@1	24.13	22.03	0.1596
78	30	60	632000	3480	CP-OFDM QPSK	1@160	24.07	21.97	0.1574
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	25.58	23.48	0.2228
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.46	23.36	0.2168
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.49	23.39	0.2183
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.62	23.52	0.2249
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.43	23.33	0.2153
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.49	23.39	0.2183
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.66	22.56	0.1803
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.42	22.32	0.1706
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.47	22.37	0.1726
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.12	21.02	0.1265
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.79	20.69	0.1172
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.84	20.74	0.1186
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.03	18.93	0.0782
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.94	18.84	0.0766
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	20.85	18.75	0.0750
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.13	22.03	0.1596
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	23.99	21.89	0.1545
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	23.96	21.86	0.1535
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	25.64	23.54	0.2259
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.56	23.46	0.2218
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.42	23.32	0.2148
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.65	23.55	0.2265
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.57	23.47	0.2223
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.4	23.3	0.2138
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.69	22.59	0.1816
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.37	22.27	0.1687
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.41	22.31	0.1702
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.17	21.07	0.1279
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	22.91	20.81	0.1205
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.74	20.64	0.1159

78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.21	19.11	0.0815
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.08	18.98	0.0791
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	20.94	18.84	0.0766
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.15	22.05	0.1603
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.1	22	0.1585
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.98	21.88	0.1542
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.59	23.49	0.2234
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.45	23.35	0.2163
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.47	23.37	0.2173
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.48	23.38	0.2178
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.47	23.37	0.2173
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.45	23.35	0.2163
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	24.53	22.43	0.1750
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.4	22.3	0.1698
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.42	22.32	0.1706
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23	20.9	0.1230
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	22.8	20.7	0.1175
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.82	20.72	0.1180
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.13	19.03	0.0800
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	20.81	18.71	0.0743
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.03	18.93	0.0782
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.02	21.92	0.1556
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.05	21.95	0.1567
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.99	21.89	0.1545
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.62	23.52	0.2249
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.42	23.32	0.2148
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.44	23.34	0.2158
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.61	23.51	0.2244
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	23.32	0.2148
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.4	23.3	0.2138
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.59	22.49	0.1774
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.41	22.31	0.1702
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.36	22.26	0.1683
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.12	21.02	0.1265

78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.76	20.66	0.1164
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.71	20.61	0.1151
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.01	18.91	0.0778
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.86	18.76	0.0752
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	20.79	18.69	0.0740
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.11	22.01	0.1589
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.01	21.91	0.1552
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.87	21.77	0.1503
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	25.58	23.48	0.2228
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.42	23.32	0.2148
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.42	23.32	0.2148
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.64	23.54	0.2259
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.43	23.33	0.2153
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.38	23.28	0.2128
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	24.63	22.53	0.1791
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.46	22.36	0.1722
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.38	22.28	0.1690
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.15	21.05	0.1274
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	22.8	20.7	0.1175
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	22.78	20.68	0.1169
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.29	19.19	0.0830
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	20.85	18.75	0.0750
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	20.86	18.76	0.0752
78	30	80	634000	3510	CP-OFDM QPSK	109@54	24.14	22.04	0.1600
78	30	80	634000	3510	CP-OFDM QPSK	1@1	23.98	21.88	0.1542
78	30	80	634000	3510	CP-OFDM QPSK	1@215	23.91	21.81	0.1517
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.57	23.47	0.2223
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.41	23.31	0.2143
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.43	23.33	0.2153
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.6	23.5	0.2239
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.44	23.34	0.2158
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.42	23.32	0.2148
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.65	22.55	0.1799
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.47	22.37	0.1726

78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.46	22.36	0.1722
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.13	21.03	0.1268
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.76	20.66	0.1164
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.74	20.64	0.1159
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.15	19.05	0.0804
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.92	18.82	0.0762
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.79	18.69	0.0740
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.11	22.01	0.1589
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.95	21.85	0.1531
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.93	21.83	0.1524

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Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.96	22.46	0.1762
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.64	22.14	0.1637
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.71	22.21	0.1663
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.95	22.45	0.1758
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.68	22.18	0.1652
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.73	22.23	0.1671
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25	21.5	0.1413
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.68	21.18	0.1312
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.84	21.34	0.1361
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.5	20	0.1000
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.25	19.75	0.0944
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.32	19.82	0.0959
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.46	17.96	0.0625
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.04	17.54	0.0568
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.07	17.57	0.0571
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.49	20.99	0.1256
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.05	20.55	0.1135
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.2	20.7	0.1175

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

SA n77 / NR 40MHz / QPSK DFT-s-OFDM / ANT5								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-62.56	-13	-49.56	-73.04	2.76	13.24	H
	10356	-47.52	-13	-34.52	-57.11	3.42	13.01	H
	13806	-53.45	-13	-40.45	-63.06	3.83	13.44	H
	6910.38	-62.47	-13	-49.47	-72.91	2.80	13.24	V
	10356	-47.44	-13	-34.44	-56.99	3.46	13.01	V
	13806	-58.26	-13	-45.26	-67.82	3.88	13.44	V

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

EN-DC_41A_n77 / LTE 20MHz + NR 20MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-61.48	-13	-48.48	-71.96	2.76	13.24	H
	10356	-48.54	-13	-35.54	-58.13	3.42	13.01	H
	13806	-57.61	-13	-44.61	-67.22	3.83	13.44	H
	6900	-61.83	-13	-48.83	-72.27	2.80	13.24	V
	10356	-47.98	-13	-34.98	-57.53	3.46	13.01	V
	13806	-53.67	-13	-40.67	-63.23	3.88	13.44	V

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