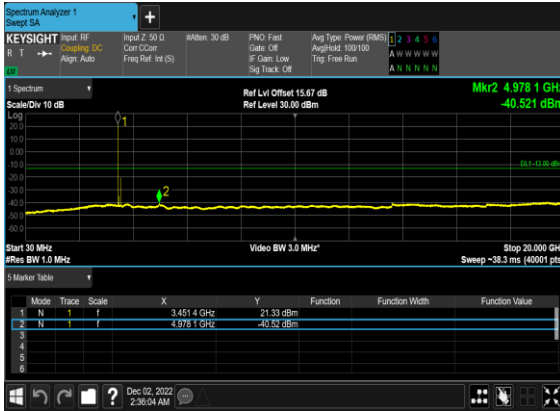
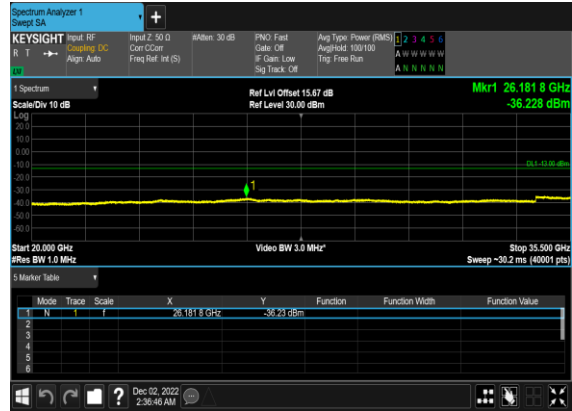


### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



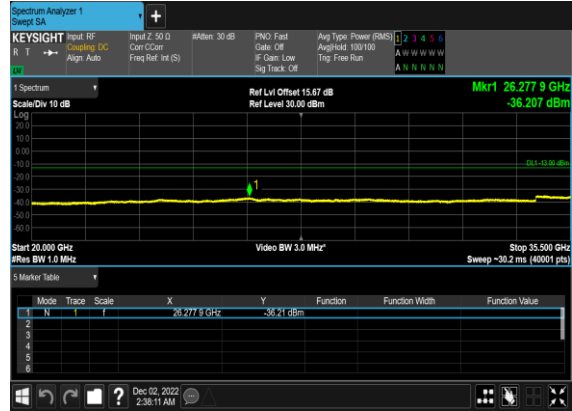
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



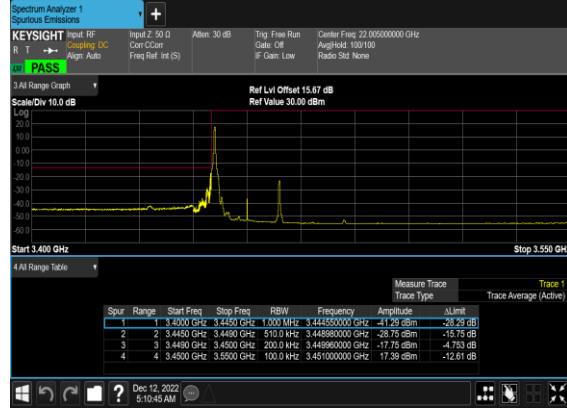
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

N77(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



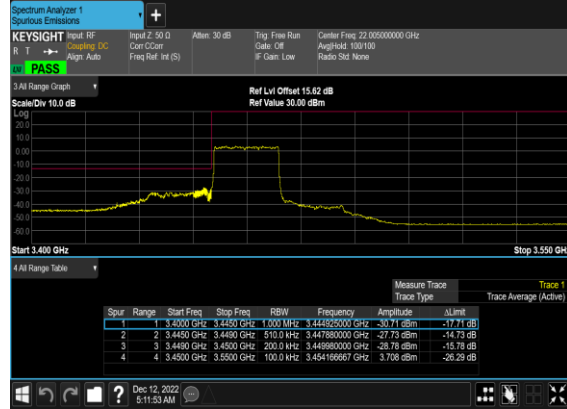
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



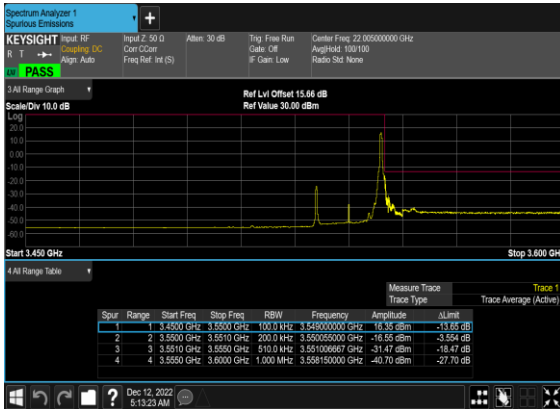
N77(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



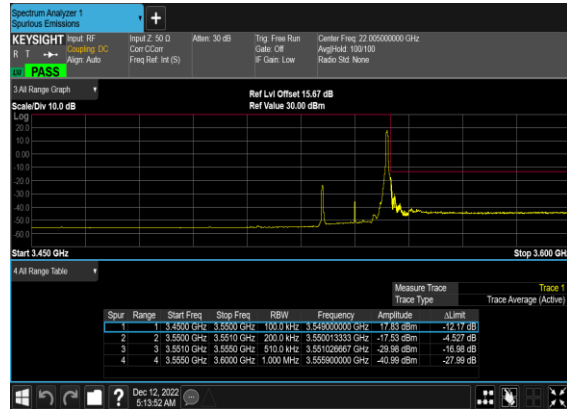
N77(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



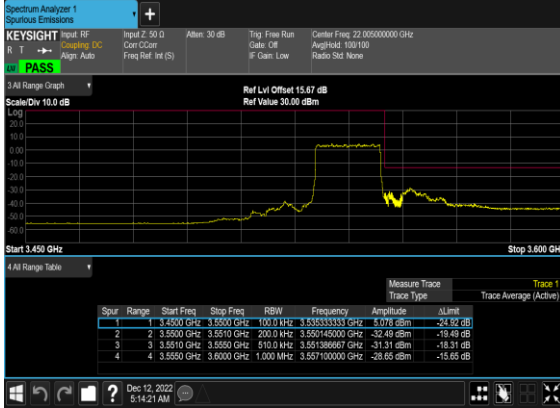
N77(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N77(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



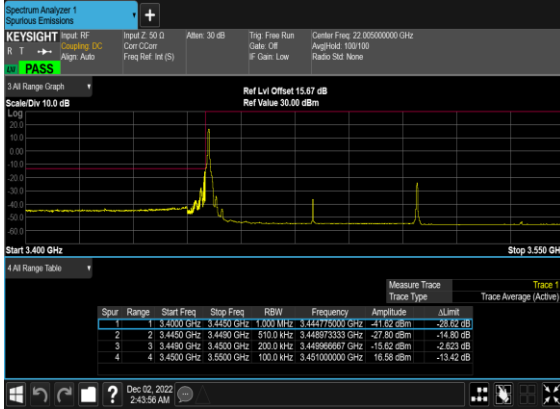
### N77(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



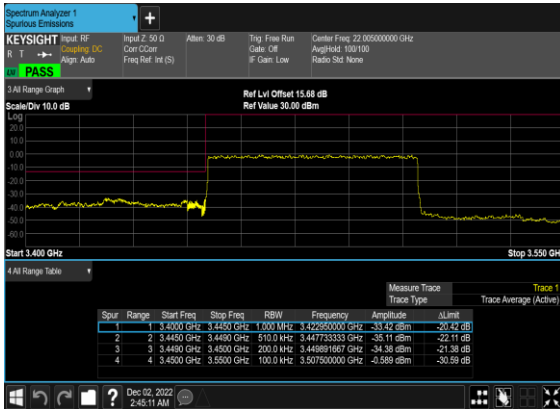
### N77(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



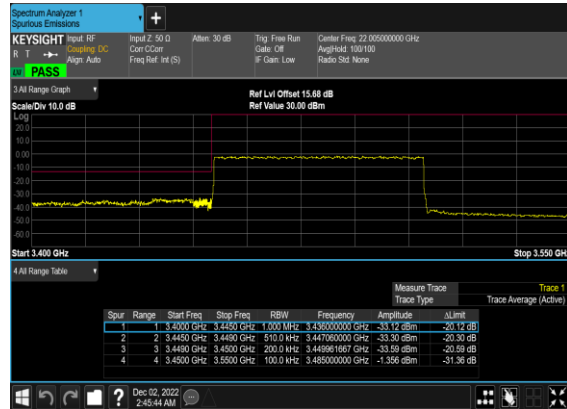
### N77(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



### N77(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



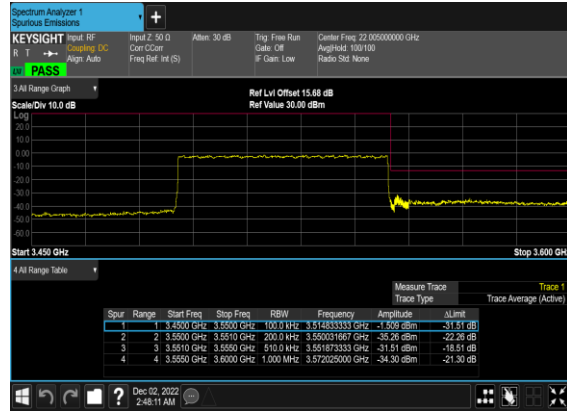
### N77(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N77(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N77(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



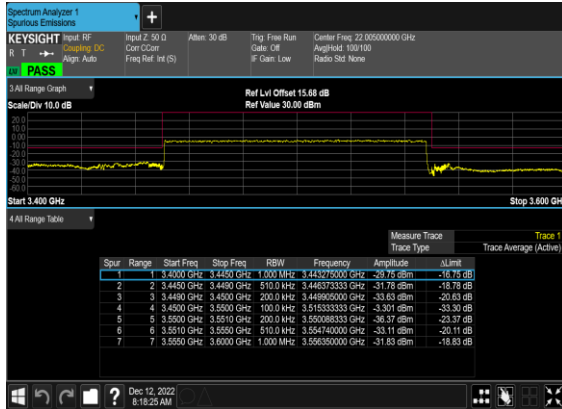
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



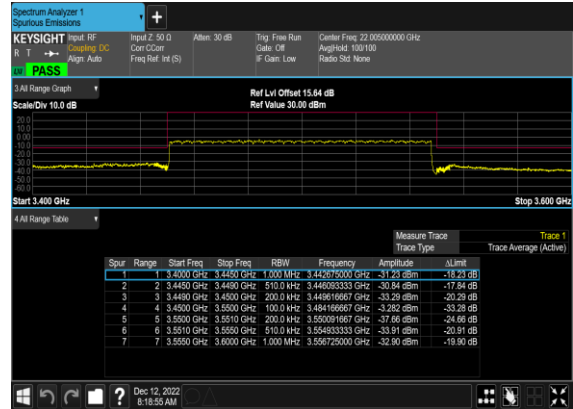
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



# FR1 N78

## Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-1.2dB

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 QPSK	1@1	23.43	22.23	0.1671
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.17	21.97	0.1574
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.41	22.21	0.1663
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.18	21.98	0.1578
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.39	22.19	0.1656
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.16	21.96	0.1570
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@1	23.67	22.47	0.1766
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@1	23.25	22.05	0.1603
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.73	22.53	0.1791
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.33	22.13	0.1633
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.81	22.61	0.1824
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.36	22.16	0.1644
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.8	22.6	0.1820
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.47	22.27	0.1687
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.73	22.53	0.1791
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.39	22.19	0.1656
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.57	22.37	0.1726
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.15	21.95	0.1567
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.59	22.39	0.1734
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.18	21.98	0.1578
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.41	22.21	0.1663
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.03	21.83	0.1524

78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@1	23.53	22.33	0.1710
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@1	23.22	22.02	0.1592
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@1	23.56	22.36	0.1722
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@1	23.17	21.97	0.1574
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.45	22.25	0.1679
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.05	21.85	0.1531
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.52	22.32	0.1706
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.05	21.85	0.1531
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.38	22.18	0.1652
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.91	21.71	0.1483
78	30	70	633334	3485.01	DFT-s-OFDM QPSK	1@1	23.55	22.35	0.1718
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.18	21.98	0.1578
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.35	22.15	0.1641
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.96	21.76	0.1500
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.53	22.33	0.1710
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.18	21.98	0.1578
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.35	22.15	0.1641
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.82	21.62	0.1452
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@1	23.54	22.34	0.1714
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@1	22.81	21.61	0.1449
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@1	23.52	22.32	0.1706
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@1	23.18	21.98	0.1578
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.44	22.24	0.1675
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.12	21.92	0.1556
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.53	22.33	0.1710
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	23.08	21.88	0.1542
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.72	22.52	0.1786



78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.9	22.7	0.1862
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.52	22.32	0.1706
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.75	22.55	0.1799
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.83	22.63	0.1832
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.57	22.37	0.1726
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	23.08	21.88	0.1542
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.48	22.28	0.1690
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.04	21.84	0.1528
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	21.97	20.77	0.1194
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.78	20.58	0.1143
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	21.05	19.85	0.0966
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.02	18.82	0.0762
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.97	18.77	0.0753
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	19.61	18.41	0.0693
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.92	21.72	0.1486
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.96	21.76	0.1500
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.27	21.07	0.1279

## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

SA n77 / NR 100MHz / QPSK / 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	-63.97	-13	-50.97	-74.18	3.03	13.24	H
	10368	-60.98	-13	-47.98	-70.43	3.56	13.01	H
	13818	-61.22	-13	-48.22	-70.74	3.92	13.44	H
	6912	-63.98	-13	-50.98	-74.19	3.03	13.24	V
	10368	-61.54	-13	-48.54	-70.99	3.56	13.01	V
	13818	-61.01	-13	-48.01	-70.53	3.92	13.44	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT4(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	-59.90	-13	-46.90	-70.11	3.03	13.24	H
	10356	-61.38	-13	-48.38	-70.83	3.56	13.01	H
	13818	-61.46	-13	-48.46	-70.98	3.92	13.44	H
	6900	-61.25	-13	-48.25	-71.46	3.03	13.24	V
	10356	-60.04	-13	-47.04	-69.49	3.56	13.01	V
	13818	-61.82	-13	-48.82	-71.34	3.92	13.44	V

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

SA n78 / NR 100MHz / QPSK / 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	6900	-63.87	-13	-50.87	-74.08	3.03	13.24	H
	10356	-58.36	-13	-45.36	-67.81	3.56	13.01	H
	13818	-61.58	-13	-48.58	-71.10	3.92	13.44	H
	6900	-64.14	-13	-51.14	-74.35	3.03	13.24	V
	10356	-56.89	-13	-43.89	-66.34	3.56	13.01	V
	13818	-61.53	-13	-48.53	-71.05	3.92	13.44	V

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



EN-DC_13A_n78A / LTE 10MHz + NR 100MHz / 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	-64.32	-13	-51.32	-74.53	3.03	13.24	H
	10368	-61.57	-13	-48.57	-71.02	3.56	13.01	H
	13818	-61.50	-13	-48.50	-71.02	3.92	13.44	H
	6900	-63.17	-13	-50.17	-73.38	3.03	13.24	V
	10368	-61.54	-13	-48.54	-70.99	3.56	13.01	V
	13818	-61.70	-13	-48.70	-71.22	3.92	13.44	V

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