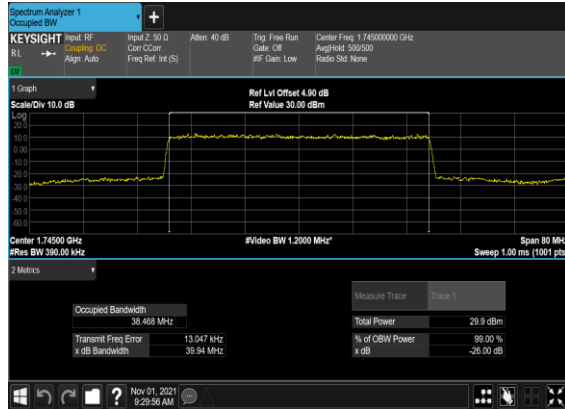
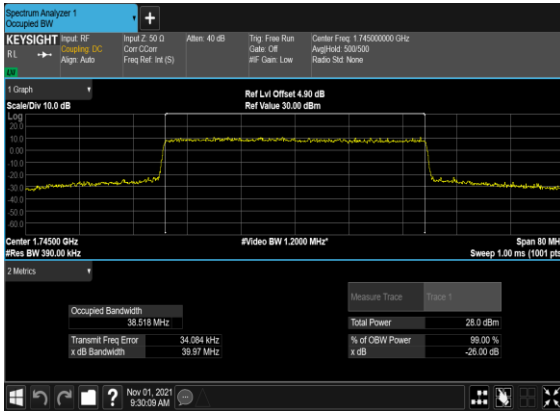


## B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



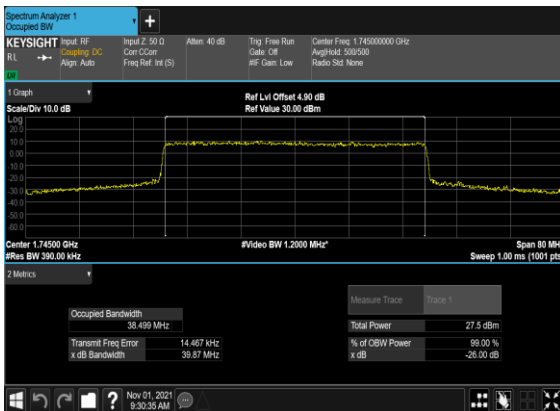
## B7\_N66(40M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



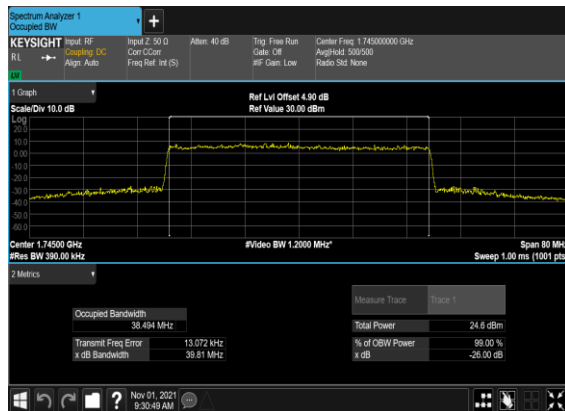
## B7\_N66(40M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



## B7\_N66(40M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



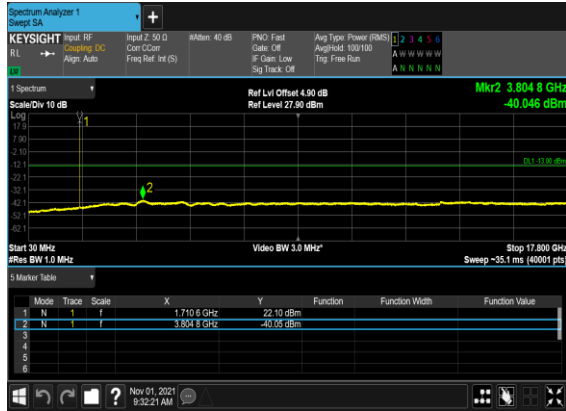
## B7\_N66(40M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



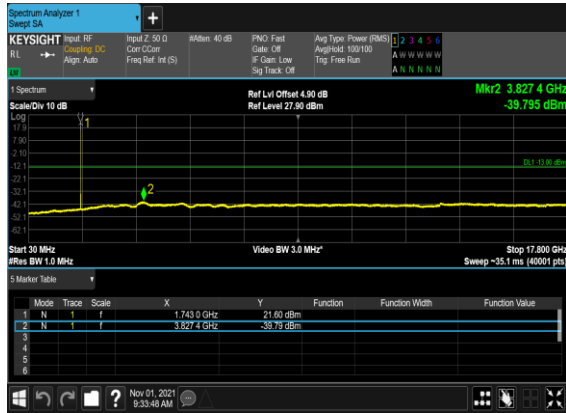
## Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>

### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



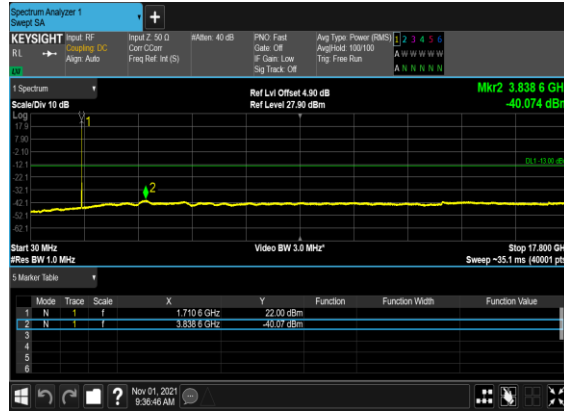
### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



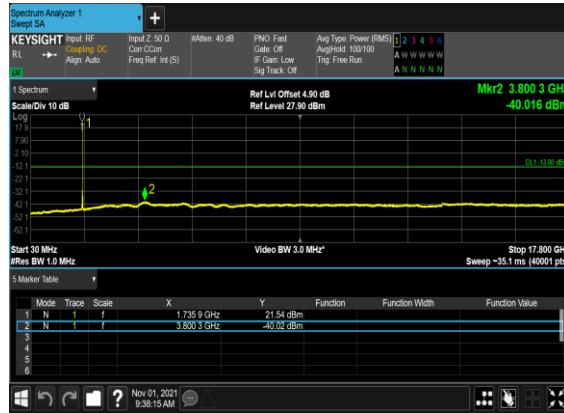
### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



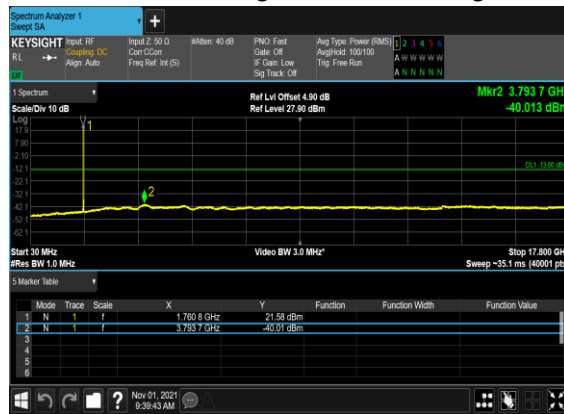
## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



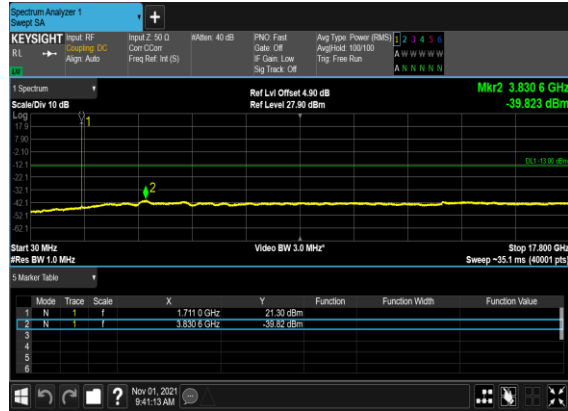
## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



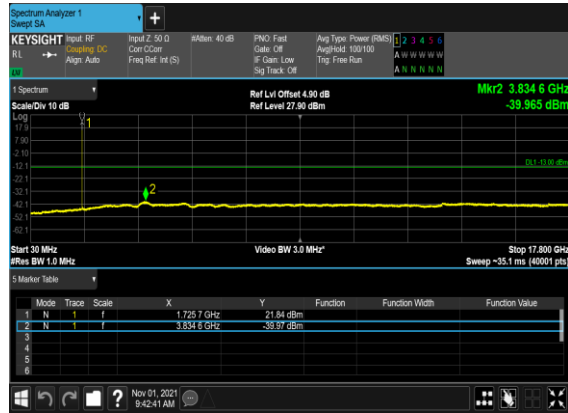
## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



## B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



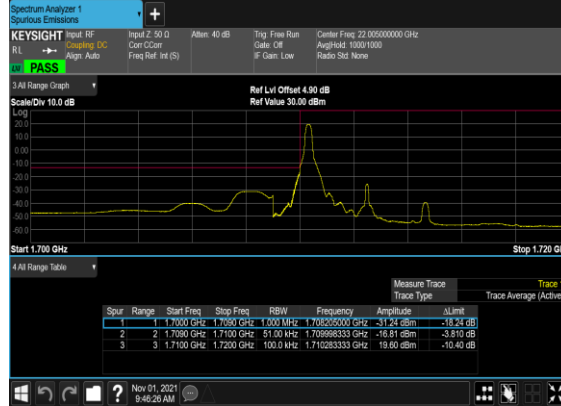
## B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

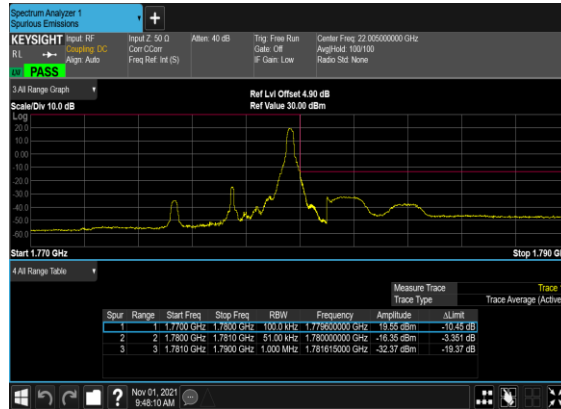
### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



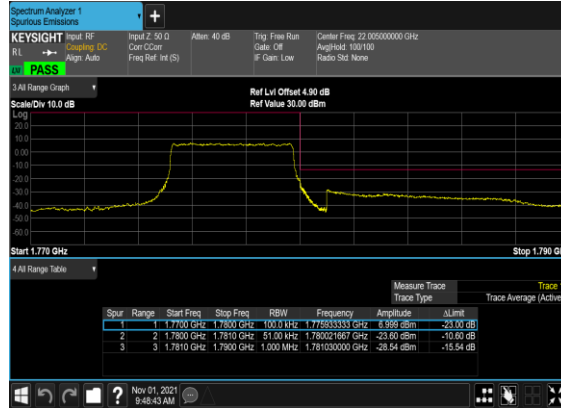
### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



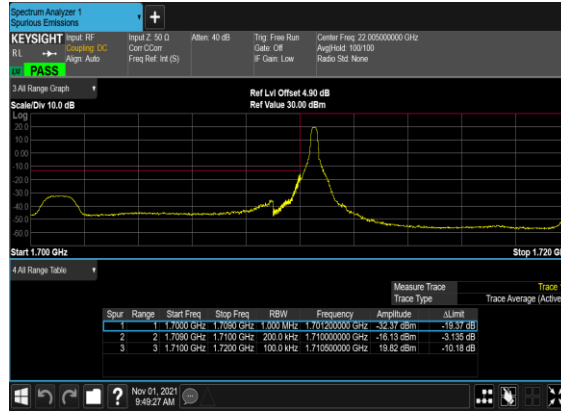
### B7\_N66(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



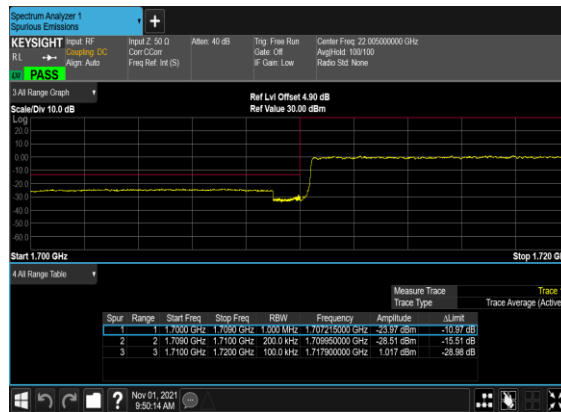
## B7\_N66(5M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_High\_CH



## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

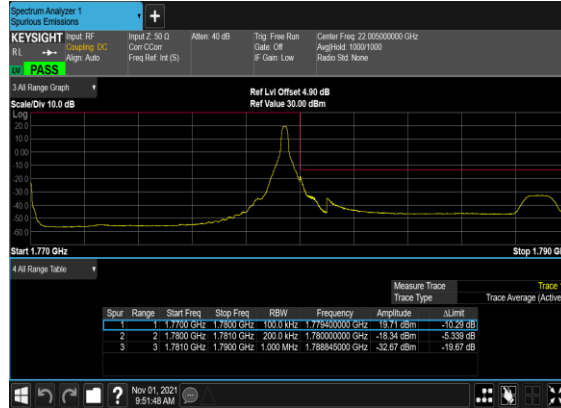


## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Low\_CH

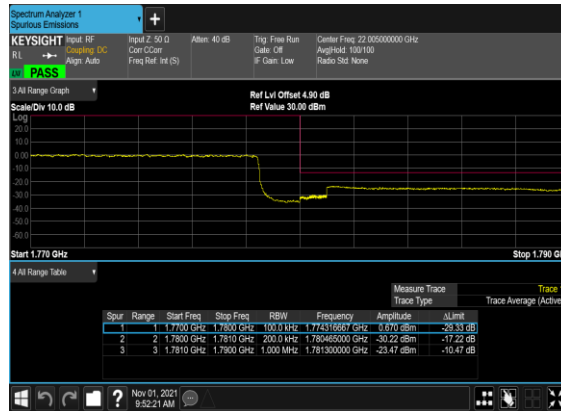




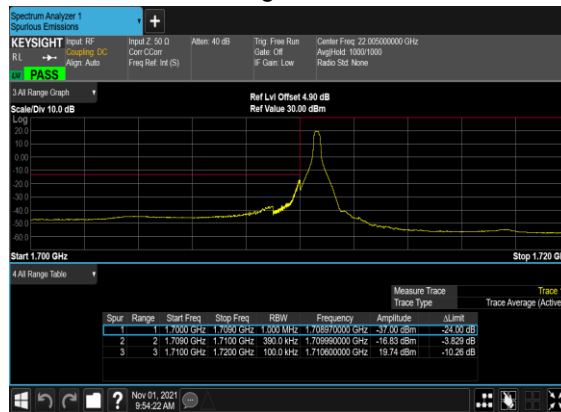
## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



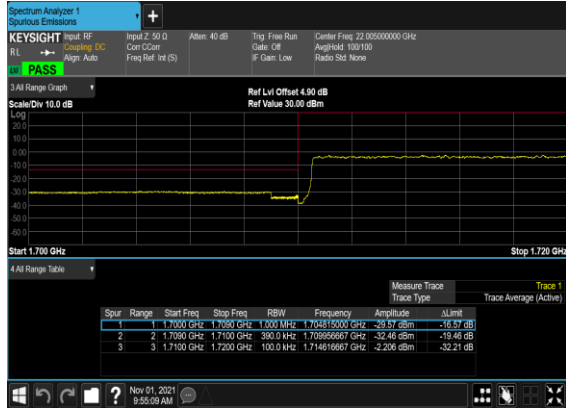
## B7\_N66(20M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_High\_CH



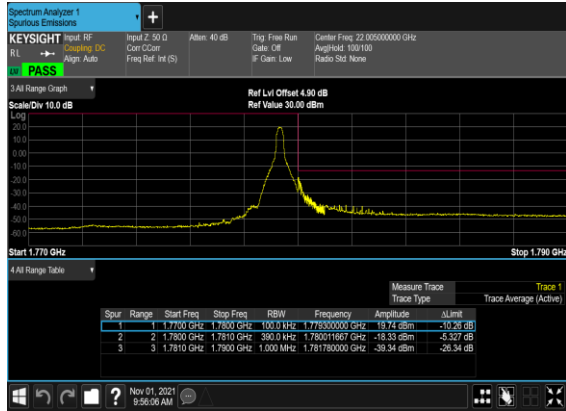
## B7\_N66(40M)\_DFT-s- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



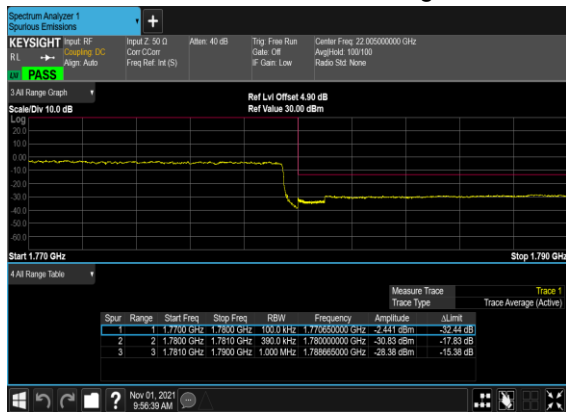
### B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### B7\_N66(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

SA n7 / NR 50MHz / QPSK / ANT4(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 n7 Middle	5070.00	-61.10	-25	-36.10	-78.48	-66.66	7.14	12.70	H
	7605.00	-55.93	-25	-30.93	-78.05	-59.23	8.30	11.60	H
	10140.00	-52.88	-25	-27.88	-79.76	-54.40	10.48	12.00	H
	5070.00	-61.34	-25	-36.34	-78.65	-66.90	7.14	12.70	V
	7605.00	-56.31	-25	-31.31	-78.21	-59.61	8.30	11.60	V
	10140.00	-53.01	-25	-28.01	-79.44	-54.53	10.48	12.00	V

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

EN-DC_5A_n7A / LTE 10MHz + NR 50MHz / QPSK / ANT1(LTE) & ANT3(NR)									
Channel	Frequency ( MHz )	ERP/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)
LTE Band5 Middle	1664.08	-67.05	-25	-42.05	-73.16	-70.30	4.00	9.40	H
	2496.27	-64.50	-25	-39.50	-74.69	-68.07	4.88	10.60	H
	3328.36	-63.65	-25	-38.65	-75.62	-68.58	5.52	12.60	H
	1664.08	-67.95	-25	-42.95	-73.83	-71.20	4.00	9.40	V
	2496.27	-64.14	-25	-39.14	-74.67	-67.71	4.88	10.60	V
	3328.36	-63.21	-25	-38.21	-75.59	-68.14	5.52	12.60	V
NR n7 Middle	5070.00	-61.00	-25	-36.00	-78.38	-66.56	7.14	12.70	H
	7605.00	-56.14	-25	-31.14	-78.26	-59.44	8.30	11.60	H
	10140.00	-52.73	-25	-27.73	-79.61	-54.25	10.48	12.00	H
	5070.00	-60.93	-25	-35.93	-78.24	-66.49	7.14	12.70	V
	7605.00	-56.11	-25	-31.11	-78.01	-59.41	8.30	11.60	V
	10140.00	-53.58	-25	-28.58	-80.01	-55.10	10.48	12.00	V

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



SA n41 / NR 100MHz / QPSK / ANT4(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 n41 Middle	5185.98	-61.73	-25	-36.73	-79.01	-67.29	7.14	12.70	H
	7778.97	-55.15	-25	-30.15	-77.80	-58.45	8.30	11.60	H
	10371.96	-52.74	-25	-27.74	-79.53	-54.26	10.48	12.00	H
	5185.98	-61.69	-25	-36.69	-78.92	-67.25	7.14	12.70	V
	7778.97	-55.40	-25	-30.40	-78.05	-58.70	8.30	11.60	V
	10371.96	-53.10	-25	-28.10	-79.71	-54.62	10.48	12.00	V

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

EN-DC_26A_n41A / LTE 15MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT5(NR)									
Channel	Frequency ( MHz )	ERP/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)
LTE Band26 Middle	1659.5	-66.80	-25	-41.80	-72.92	-70.05	4.00	9.40	H
	2489.25	-64.42	-25	-39.42	-74.63	-67.99	4.88	10.60	H
	3319	-63.62	-25	-38.62	-75.66	-68.55	5.52	12.60	H
	1659.5	-67.44	-25	-42.44	-73.37	-70.69	4.00	9.40	V
	2489.25	-64.12	-25	-39.12	-74.68	-67.69	4.88	10.60	V
	3319	-63.18	-25	-38.18	-75.64	-68.11	5.52	12.60	V
NR n41 Middle	5280.00	-63.20	-25	-38.20	-79.68	-68.76	7.14	12.70	H
	7920.00	-54.87	-25	-29.87	-78.19	-58.17	8.30	11.60	H
	10560.00	-52.00	-25	-27.00	-78.99	-53.52	10.48	12.00	H
	5280.00	-62.87	-25	-37.87	-79.39	-68.43	7.14	12.70	V
	7920.00	-55.17	-25	-30.17	-78.54	-58.47	8.30	11.60	V
	10560.00	-52.56	-25	-27.56	-79.48	-54.08	10.48	12.00	V

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

n41 UL MIMO / NR 100MHz / QPSK / ANT4+ANT5(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 n41 Middle	5185.98	-61.78	-25	-36.78	-79.06	-67.34	7.14	12.70	H
	7778.97	-55.16	-25	-30.16	-77.81	-58.46	8.30	11.60	H
	10371.96	-52.75	-25	-27.75	-79.54	-54.27	10.48	12.00	H
	5185.98	-61.64	-25	-36.64	-78.87	-67.20	7.14	12.70	V
	7778.97	-55.28	-25	-30.28	-77.93	-58.58	8.30	11.60	V
	10371.96	-52.94	-25	-27.94	-79.55	-54.46	10.48	12.00	V

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



SA n66 / NR 40MHz / QPSK / ANT4(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 n66 Middle	3490	-63.74	-13	-50.74	-76.56	-70.59	5.65	12.50	H
	5235	-61.61	-13	-48.61	-78.38	-67.28	7.13	12.80	H
	6980	-57.29	-13	-44.29	-78.06	-60.69	8.40	11.80	H
	3490	-62.42	-13	-49.42	-75.78	-69.27	5.65	12.50	V
	5235	-61.85	-13	-48.85	-78.56	-67.52	7.13	12.80	V
	6980	-57.40	-13	-44.40	-78.32	-60.80	8.40	11.80	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT4(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)
LTE Band7 Middle	5052.18	-61.01	-25	-36.01	-78.43	-66.57	7.14	12.70	H
	7578.27	-55.72	-25	-30.72	-77.88	-59.02	8.30	11.60	H
	10104.36	-53.08	-25	-28.08	-79.97	-54.60	10.48	12.00	H
	5052.18	-60.97	-25	-35.97	-78.32	-66.53	7.14	12.70	V
	7578.27	-56.13	-25	-31.13	-78.09	-59.43	8.30	11.60	V
	10104.36	-53.43	-25	-28.43	-79.83	-54.95	10.48	12.00	V
NR n66 Middle	3490	-63.76	-13	-50.76	-76.58	-70.61	5.65	12.50	H
	5235	-62.42	-13	-49.42	-79.19	-68.09	7.13	12.80	H
	6980	-57.70	-13	-44.70	-78.47	-61.10	8.40	11.80	H
	3490	-63.12	-13	-50.12	-76.48	-69.97	5.65	12.50	V
	5235	-62.55	-13	-49.55	-79.26	-68.22	7.13	12.80	V
	6980	-57.18	-13	-44.18	-78.1	-60.58	8.40	11.80	V