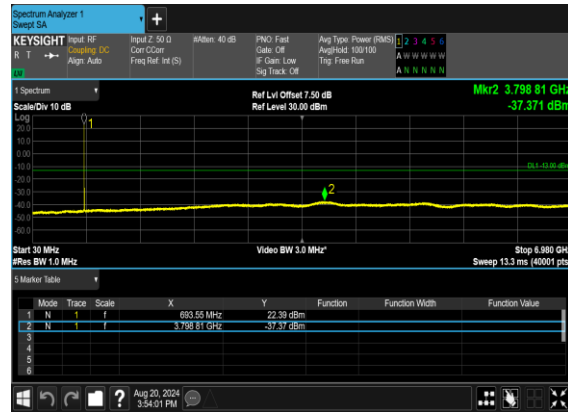




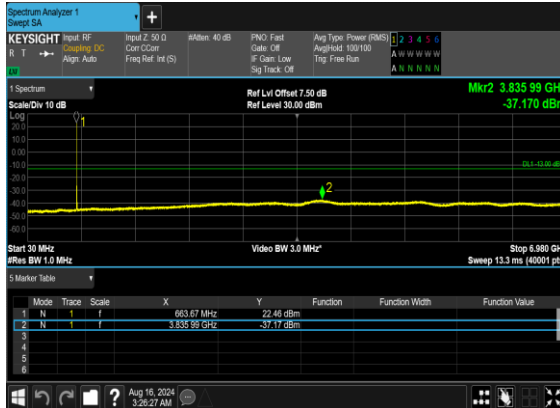
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



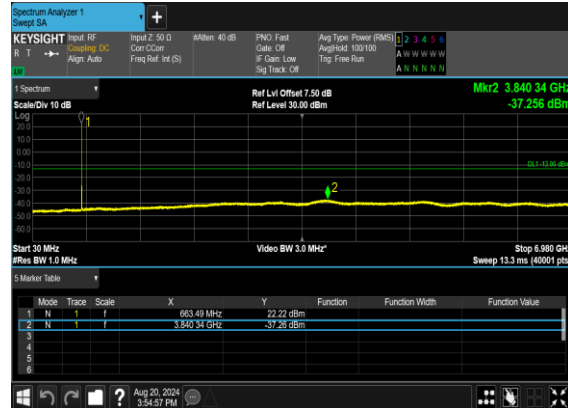
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

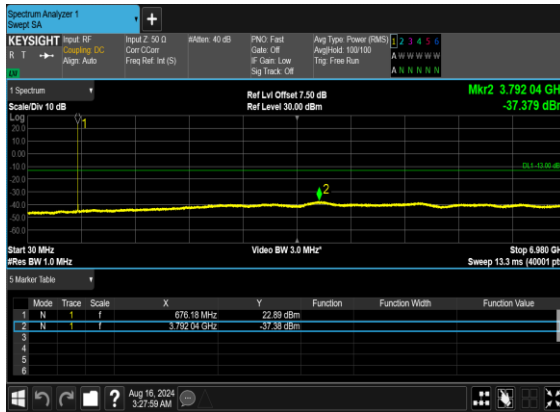


N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

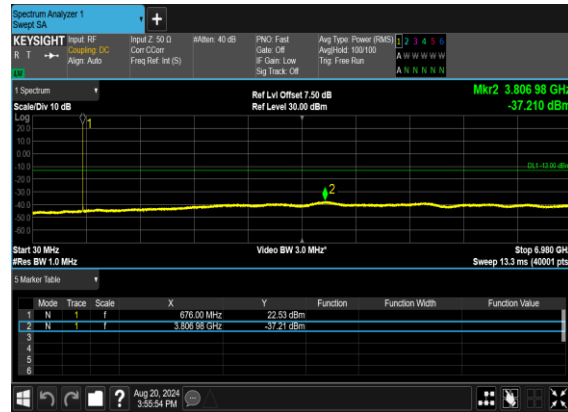




N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



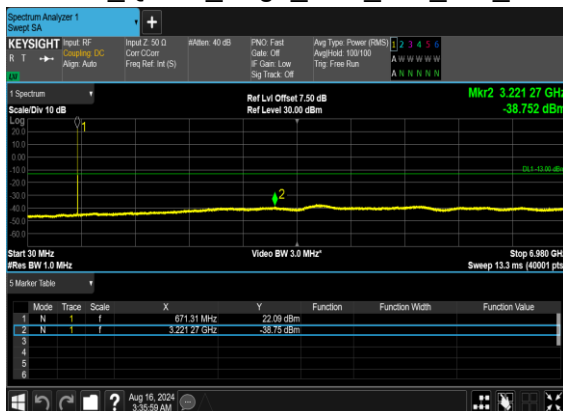
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

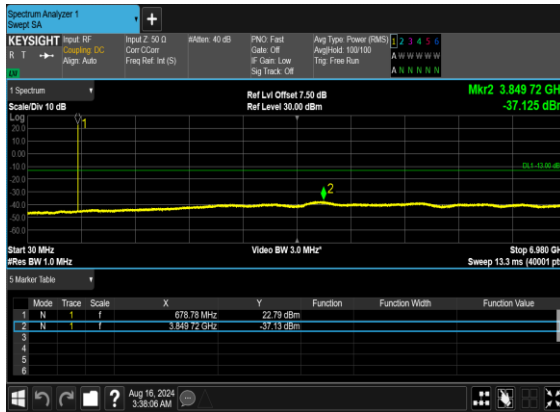


N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

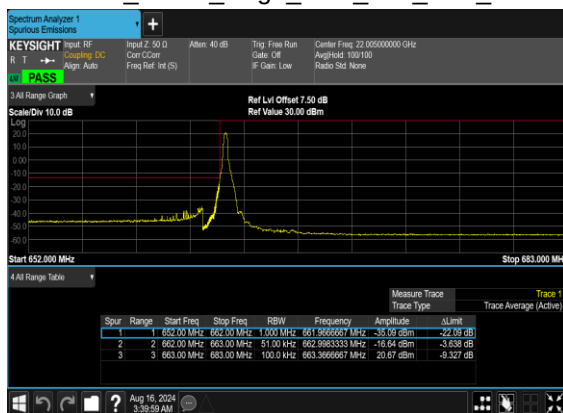
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



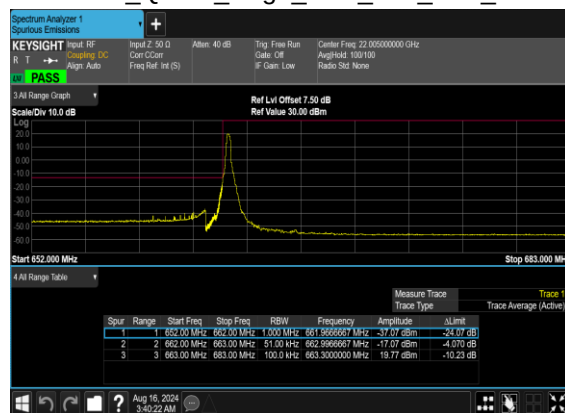
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



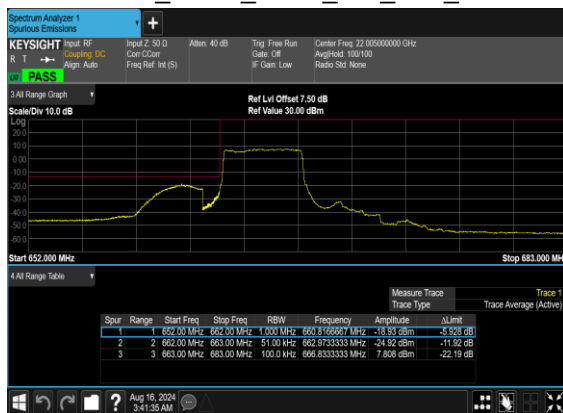
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



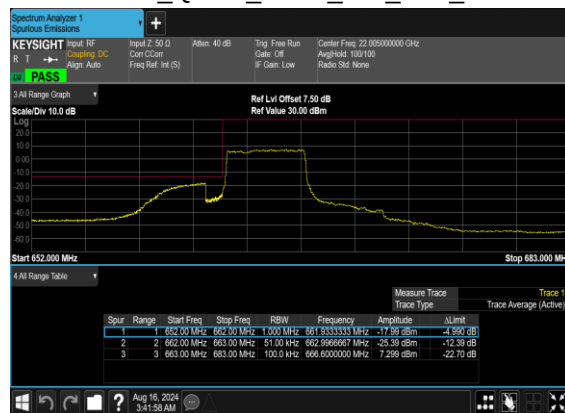
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

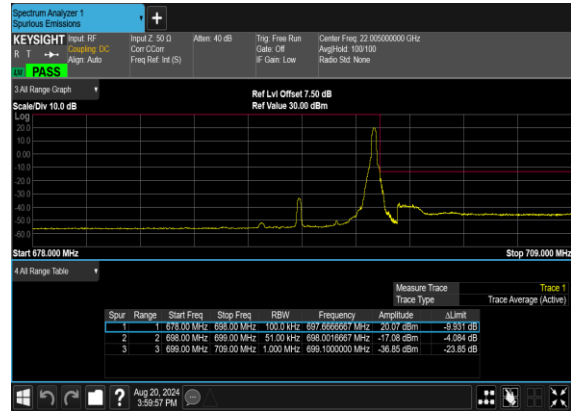




N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

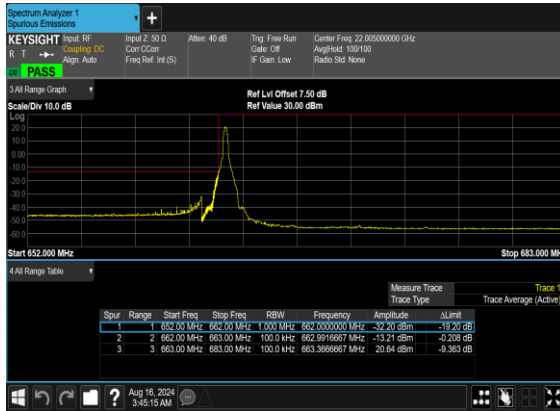


N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

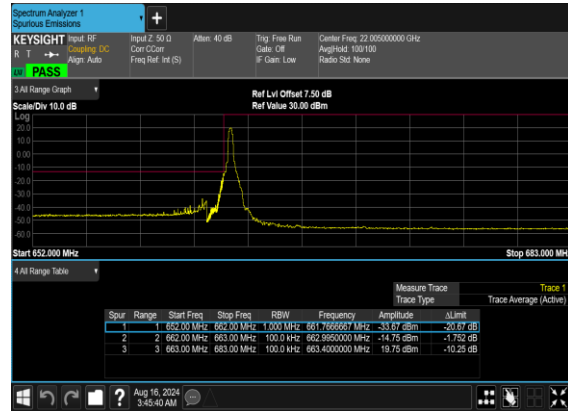




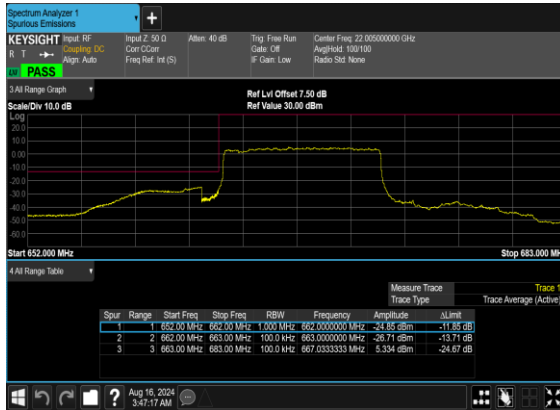
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

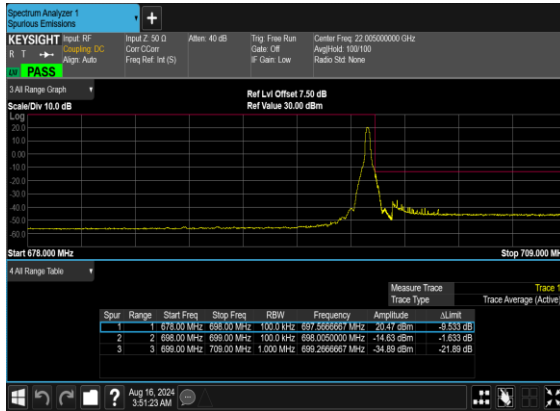


N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

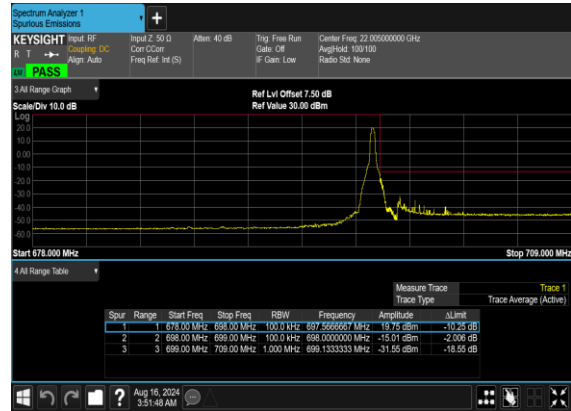




N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

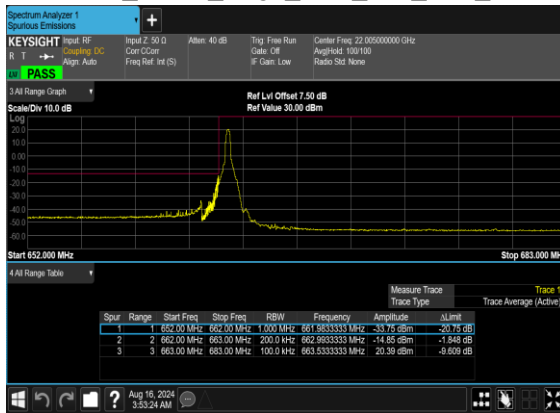


N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

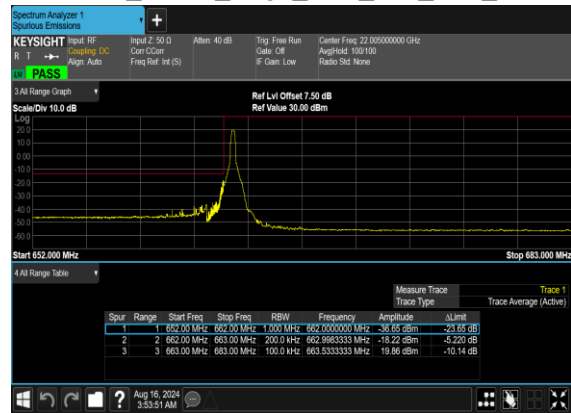




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



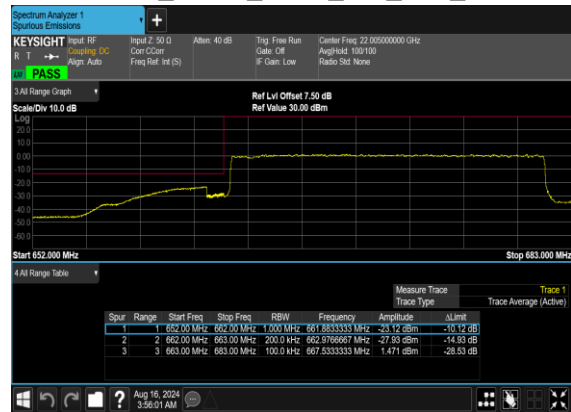
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

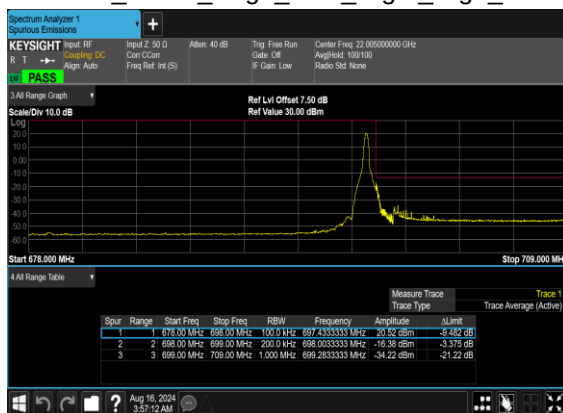


N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

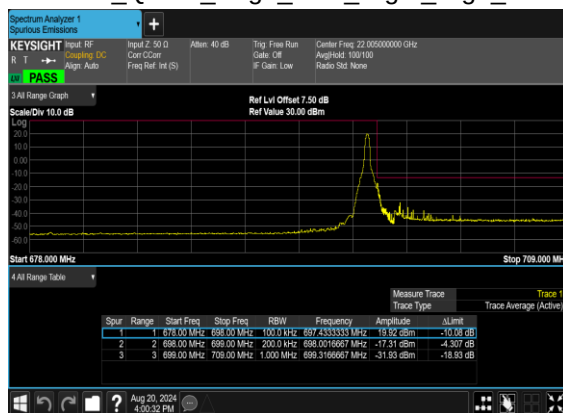




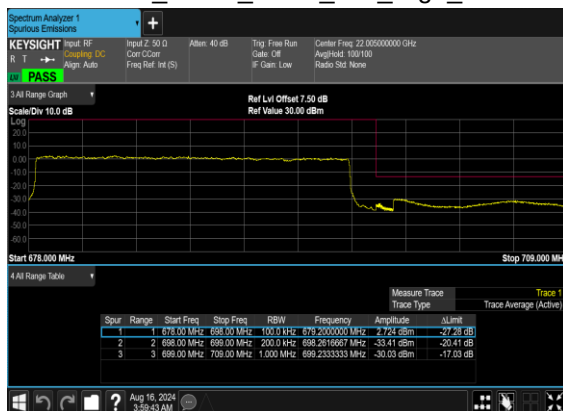
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



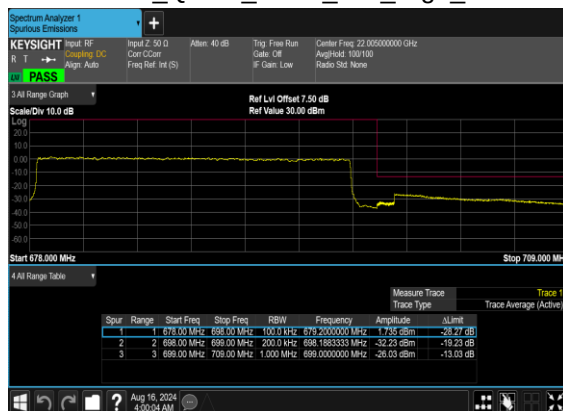
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

n12 SA / NR 15MHz / QPSK (ANT0)									
Channel	Frequency (MHz)	ERP (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	1401	-63.64	-13	-50.64	-74.36	-66.89	4.00	9.40	H
	2101	-64.16	-13	-51.16	-77.19	-67.73	4.88	10.60	H
	2802	-62.31	-13	-49.31	-78.29	-67.24	5.52	12.60	H
	1401	-65.53	-13	-52.53	-75.81	-68.78	4.00	9.40	V
	2101	-64.27	-13	-51.27	-77.25	-67.84	4.88	10.60	V
	2802	-62.08	-13	-49.08	-78.25	-67.01	5.52	12.60	V

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

n13 SA / NR 10MHz / QPSK (ANT0)									
Channel	Frequency (MHz)	ERP (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	1554.8	-62.28	-13	-49.28	-72.29	-65.53	4.00	9.40	H
	2332.2	-62.88	-13	-49.88	-77.69	-66.45	4.88	10.60	H
	3109.6	-61.21	-13	-48.21	-78.24	-66.14	5.52	12.60	H
	1554.8	-64.45	-13	-51.45	-74.54	-67.70	4.00	9.40	V
	2332.2	-63.45	-13	-50.45	-78.26	-67.02	4.88	10.60	V
	3109.6	-61.31	-13	-48.31	-78.40	-66.24	5.52	12.60	V

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

n66 SA / NR 40MHz / QPSK (ANT0)									
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	3452	-62.27	-13	-49.27	-79.04	-69.12	5.65	12.50	H
	5178	-60.90	-13	-47.90	-82.69	-66.57	7.13	12.80	H
	6904	-57.03	-13	-44.03	-82.59	-60.43	8.40	11.80	H
	3452	-62.35	-13	-49.35	-79.16	-69.20	5.65	12.50	V
	5178	-60.43	-13	-47.43	-82.51	-66.10	7.13	12.80	V
	6904	-56.39	-13	-43.39	-82.43	-59.79	8.40	11.80	V

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



EN-DC_30A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT0+1) –Other PA									
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	3452	-64.89	-13	-51.89	-59.46	-71.74	5.65	12.50	H
	5178	-62.65	-13	-49.65	-62.14	-68.32	7.13	12.80	H
	6904	-57.50	-13	-44.50	-61.76	-60.90	8.40	11.80	H
	3452	-64.95	-13	-51.95	-59.56	-71.80	5.65	12.50	V
	5178	-60.24	-13	-47.24	-60.02	-65.91	7.13	12.80	V
	6904	-56.70	-13	-43.70	-61.44	-60.10	8.40	11.80	V
LTE Band30 Middle	4610.80	-63.03	-40	-23.03	-62.39	-69.28	6.45	12.70	H
	6916.20	-57.50	-40	-17.50	-61.89	-60.90	8.40	11.80	H
	9221.60	-55.14	-40	-15.14	-66.75	-57.49	9.65	12.00	H
	4610.80	-62.38	-40	-22.38	-62.12	-68.63	6.45	12.70	V
	6916.20	-56.70	-40	-16.70	-61.57	-60.10	8.40	11.80	V
	9221.60	-56.22	-40	-16.22	-67.01	-58.57	9.65	12.00	V

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

n71 SA / NR 20MHz / QPSK (ANT0)									
Channel	Frequency (MHz)	ERP (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	1343	-57.80	-13	-44.80	-67.86	-61.05	4.00	9.40	H
	2014.5	-65.64	-13	-52.64	-77.00	-69.21	4.88	10.60	H
	2686	-62.39	-13	-49.39	-77.64	-67.32	5.52	12.60	H
	1343	-61.25	-13	-48.25	-70.94	-64.50	4.00	9.40	V
	2014.5	-65.88	-13	-52.88	-77.13	-69.45	4.88	10.60	V
	2686	-62.73	-13	-49.73	-78.00	-67.66	5.52	12.60	V

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