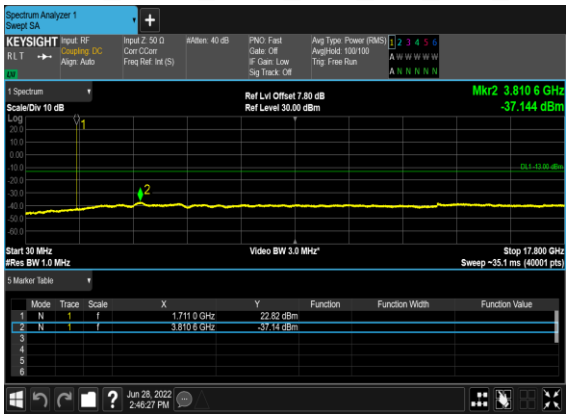
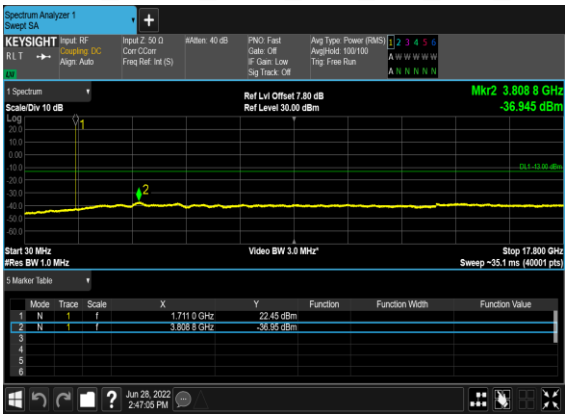
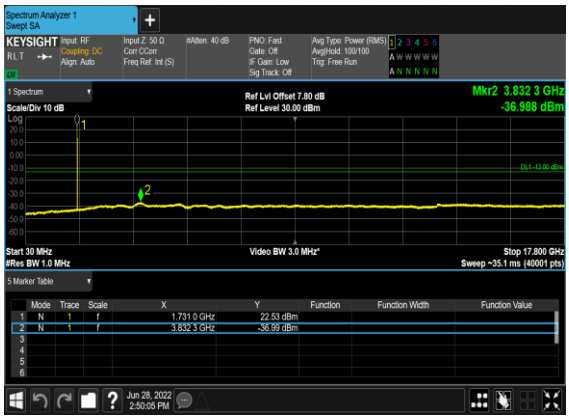
B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



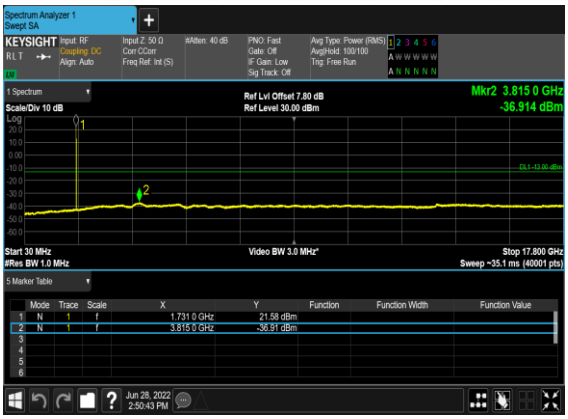
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



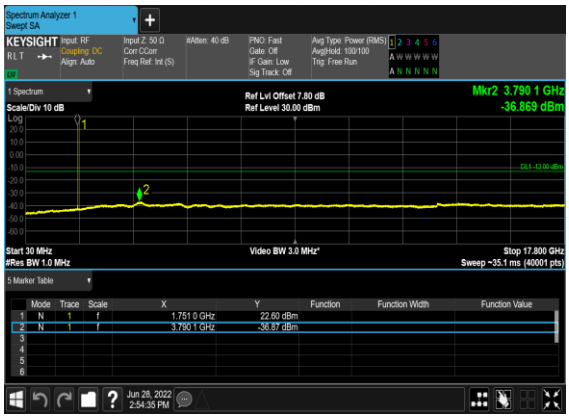
B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



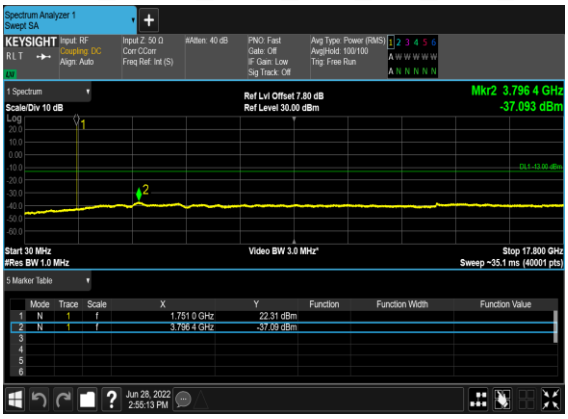
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



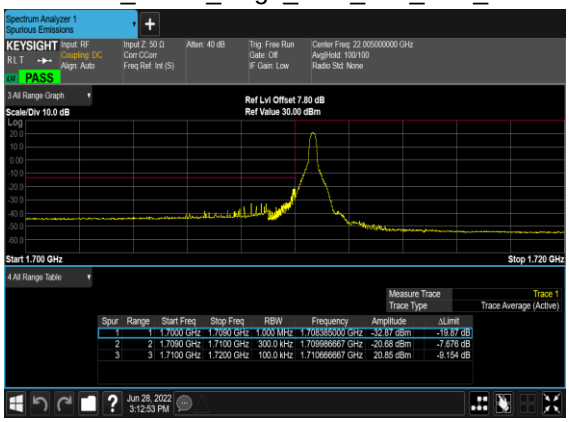
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



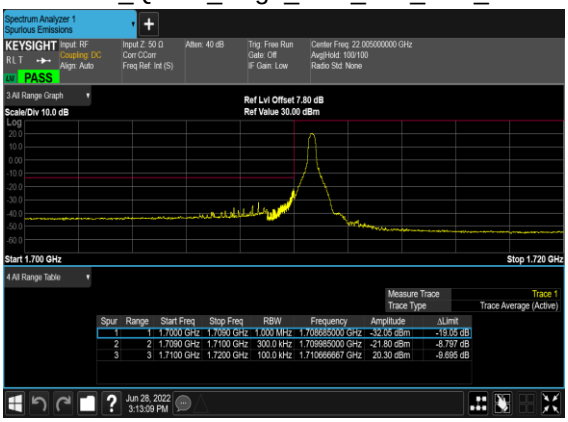
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	30	425000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	425000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	425000	1725.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	425000	1725.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**
66	15	30	433000	1765.0	DFT-s-OFDM BPSK	1@159	see graph	**PASS**
66	15	30	433000	1765.0	DFT-s-OFDM QPSK	1@159	see graph	**PASS**
66	15	30	433000	1765.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	433000	1765.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**

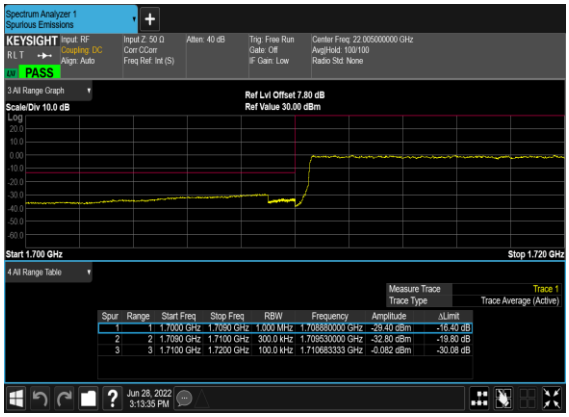
B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



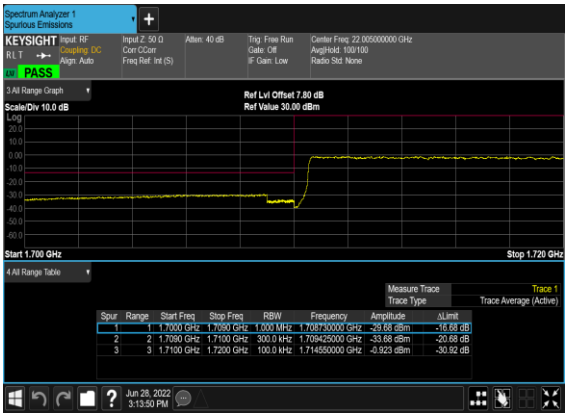
B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



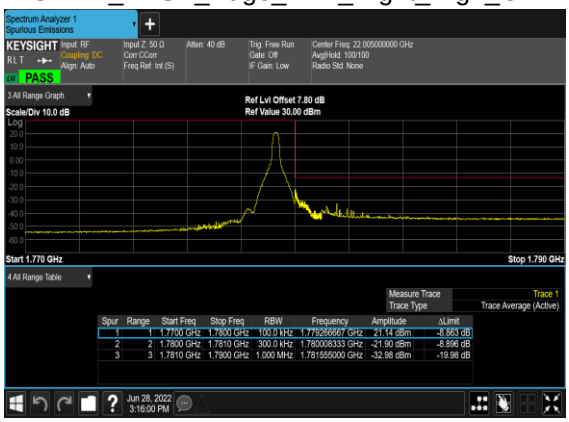
B2_N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



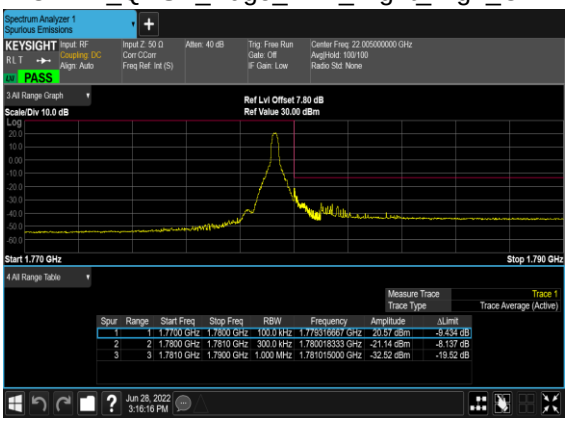
B2_N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

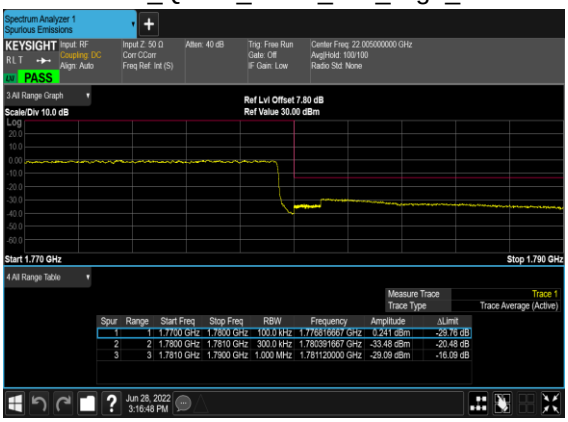


B2_N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

B2_N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25℃
		Relative Humidity :	41~42%

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

n2 / NR 20MHz / QPSK / ANT0(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)
Lowest	3702	-56.73	-13	-43.73	-68.99	2.64	14.90	H
	5553	-55.80	-13	-42.80	-67.66	2.94	14.80	H
	7404	-52.33	-13	-39.33	-62.10	3.39	13.16	H
	3702	-57.19	-13	-44.19	-69.45	2.64	14.90	V
	5553	-55.93	-13	-42.93	-67.79	2.94	14.80	V
	7404	-53.37	-13	-40.37	-63.14	3.39	13.16	V
Middle	3741	-57.45	-13	-44.45	-69.71	2.64	14.90	H
	5613	-55.08	-13	-42.08	-66.94	2.94	14.80	H
	7488	-52.13	-13	-39.13	-61.90	3.39	13.16	H
	3741	-57.00	-13	-44.00	-69.26	2.64	14.90	V
	5613	-55.39	-13	-42.39	-67.25	2.94	14.80	V
	7488	-52.67	-13	-39.67	-62.44	3.39	13.16	V
Highest	3783	-57.56	-13	-44.56	-69.82	2.64	14.90	H
	5673	-55.67	-13	-42.67	-67.53	2.94	14.80	H
	7560	-52.43	-13	-39.43	-62.20	3.39	13.16	H
	3783	-57.54	-13	-44.54	-69.80	2.64	14.90	V
	5673	-55.52	-13	-42.52	-67.38	2.94	14.80	V
	7560	-52.07	-13	-39.07	-61.84	3.39	13.16	V

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

EN-DC_7A_n2A / LTE 20MHz + NR 20MHz / QPSK / ANT2(LTE) & ANT0(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)
Lowest	3702	-56.40	-13	-43.40	-68.66	2.64	14.90	H
	5553	-55.61	-13	-42.61	-67.47	2.94	14.80	H
	7404	-51.14	-13	-38.14	-60.91	3.39	13.16	H
	3702	-56.96	-13	-43.96	-69.22	2.64	14.90	V
	5553	-54.96	-13	-41.96	-66.82	2.94	14.80	V
	7404	-52.50	-13	-39.50	-62.27	3.39	13.16	V
Middle	3471	-59.52	-13	-46.52	-71.78	2.64	14.90	H
	5613	-55.65	-13	-42.65	-67.51	2.94	14.80	H
	7488	-52.51	-13	-39.51	-62.28	3.39	13.16	H
	3741	-57.13	-13	-44.13	-69.39	2.64	14.90	V
	5613	-54.71	-13	-41.71	-66.57	2.94	14.80	V
	7488	-52.47	-13	-39.47	-62.24	3.39	13.16	V
Highest	3783	-57.20	-13	-44.20	-69.46	2.64	14.90	H
	5673	-55.14	-13	-42.14	-67.00	2.94	14.80	H
	7560	-51.62	-13	-38.62	-61.39	3.39	13.16	H
	3783	-56.91	-13	-43.91	-69.17	2.64	14.90	V
	5673	-55.97	-13	-42.97	-67.83	2.94	14.80	V
	7560	-52.22	-13	-39.22	-61.99	3.39	13.16	V

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

n5 / NR 20MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-64.74	-13	-51.74	-71.71	1.58	10.70	H
	2472	-60.96	-13	-47.96	-69.21	2.10	12.50	H
	3304	-60.28	-13	-47.28	-69.17	2.86	13.90	H
	1648	-64.60	-13	-51.60	-71.57	1.58	10.70	V
	2472	-59.01	-13	-46.01	-67.26	2.10	12.50	V
	3304	-60.46	-13	-47.46	-69.35	2.86	13.90	V
Middle	1654	-61.89	-13	-48.89	-68.86	1.58	10.70	H
	2482	-59.25	-13	-46.25	-67.50	2.10	12.50	H
	3312	-60.12	-13	-47.12	-69.01	2.86	13.90	H
	1654	-62.50	-13	-49.50	-69.47	1.58	10.70	V
	2482	-58.94	-13	-45.94	-67.19	2.10	12.50	V
	3312	-60.41	-13	-47.41	-69.30	2.86	13.90	V
Highest	1656	-65.61	-13	-52.61	-72.58	1.58	10.70	H
	2488	-61.20	-13	-48.20	-69.45	2.10	12.50	H
	3320	-60.39	-13	-47.39	-69.28	2.86	13.90	H
	1656	-64.94	-13	-51.94	-71.91	1.58	10.70	V
	2488	-59.55	-13	-46.55	-67.80	2.10	12.50	V
	3320	-60.05	-13	-47.05	-68.94	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT2(LTE) & ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-65.33	-13	-52.33	-72.30	1.58	10.70	H
	2472	-60.13	-13	-47.13	-68.38	2.10	12.50	H
	3304	-59.75	-13	-46.75	-68.64	2.86	13.90	H
	1648	-64.59	-13	-51.59	-71.56	1.58	10.70	V
	2472	-59.24	-13	-46.24	-67.49	2.10	12.50	V
	3304	-60.36	-13	-47.36	-69.25	2.86	13.90	V
Middle	1656	-65.29	-13	-52.29	-72.26	1.58	10.70	H
	2480	-60.72	-13	-47.72	-68.97	2.10	12.50	H
	3312	-60.19	-13	-47.19	-69.08	2.86	13.90	H
	1656	-64.80	-13	-51.80	-71.77	1.58	10.70	V
	2480	-59.12	-13	-46.12	-67.37	2.10	12.50	V
	3312	-59.89	-13	-46.89	-68.78	2.86	13.90	V
Highest	1664	-66.22	-13	-53.22	-73.19	1.58	10.70	H
	2488	-51.66	-13	-38.66	-59.91	2.10	12.50	H
	3320	-60.46	-13	-47.46	-69.35	2.86	13.90	H
	1664	-65.26	-13	-52.26	-72.23	1.58	10.70	V
	2488	-59.12	-13	-46.12	-67.37	2.10	12.50	V
	3320	-60.40	-13	-47.40	-69.29	2.86	13.90	V

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

n7 / NR 50MHz / QPSK / ANT0(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)
Lowest	5005	-62.48	-25	-37.48	-72.69	3.03	13.24	H
	7510	-58.51	-25	-33.51	-67.96	3.56	13.01	H
	10010	-61.62	-25	-36.62	-71.14	3.92	13.44	H
	5005	-61.45	-25	-36.45	-71.66	3.03	13.24	V
	7510	-57.93	-25	-32.93	-67.38	3.56	13.01	V
	10010	-62.09	-25	-37.09	-71.61	3.92	13.44	V
Middle	5025	-63.70	-25	-38.70	-73.91	3.03	13.24	H
	7539	-58.32	-25	-33.32	-67.77	3.56	13.01	H
	10052	-61.67	-25	-36.67	-71.19	3.92	13.44	H
	5025	-63.42	-25	-38.42	-73.63	3.03	13.24	V
	7538	-58.15	-25	-33.15	-67.60	3.56	13.01	V
	10052	-61.16	-25	-36.16	-70.68	3.92	13.44	V
Highest	5045	-63.09	-25	-38.09	-73.30	3.03	13.24	H
	7570	-54.15	-25	-29.15	-63.60	3.56	13.01	H
	10090	-60.97	-25	-35.97	-70.49	3.92	13.44	H
	5045	-62.09	-25	-37.09	-72.30	3.03	13.24	V
	7570	-51.11	-25	-26.11	-60.56	3.56	13.01	V
	10090	-61.57	-25	-36.57	-71.09	3.92	13.44	V

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

EN-DC_2A_n7A / LTE 20MHz + NR 20MHz / QPSK / ANT0(LTE) & ANT2(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)
Lowest	5000	-63.54	-25	-38.54	-73.75	3.03	13.24	H
	7504	-59.00	-25	-34.00	-68.45	3.56	13.01	H
	10000	-61.85	-25	-36.85	-71.37	3.92	13.44	H
	5000	-63.81	-25	-38.81	-74.02	3.03	13.24	V
	7504	-56.63	-25	-31.63	-66.08	3.56	13.01	V
	10000	-61.45	-25	-36.45	-70.97	3.92	13.44	V
Middle	5052	-63.73	-25	-38.73	-73.94	3.03	13.24	H
	7576	-62.88	-25	-37.88	-72.33	3.56	13.01	H
	10100	-61.53	-25	-36.53	-71.05	3.92	13.44	H
	5052	-64.16	-25	-39.16	-74.37	3.03	13.24	V
	7576	-62.91	-25	-37.91	-72.36	3.56	13.01	V
	10100	-62.01	-25	-37.01	-71.53	3.92	13.44	V
Highest	5104	-63.86	-25	-38.86	-74.07	3.03	13.24	H
	7652	-62.44	-25	-37.44	-71.89	3.56	13.01	H
	10200	-61.45	-25	-36.45	-70.97	3.92	13.44	H
	5104	-63.96	-25	-38.96	-74.17	3.03	13.24	V
	7652	-63.00	-25	-38.00	-72.45	3.56	13.01	V
	10200	-61.95	-25	-36.95	-71.47	3.92	13.44	V

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

N38 / NR 40MHz / QPSK / ANT0(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)
Lowest	5144	-62.42	-25	-37.42	-72.63	3.03	13.24	H
	7720	-46.97	-25	-21.97	-56.42	3.56	13.01	H
	10290	-61.35	-25	-36.35	-70.87	3.92	13.44	H
	5144	-59.32	-25	-34.32	-69.53	3.03	13.24	V
	7720	-48.71	-25	-23.71	-58.16	3.56	13.01	V
	10290	-61.73	-25	-36.73	-71.25	3.92	13.44	V
Middle	5154	-62.04	-25	-37.04	-72.25	3.03	13.24	H
	7732	-47.50	-25	-22.50	-56.95	3.56	13.01	H
	10310	-60.65	-25	-35.65	-70.17	3.92	13.44	H
	5154	-57.36	-25	-32.36	-67.57	3.03	13.24	V
	7732	-46.60	-25	-21.60	-56.05	3.56	13.01	V
	10310	-61.26	-25	-36.26	-70.78	3.92	13.44	V
Highest	5164	-64.24	-25	-39.24	-74.45	3.03	13.24	H
	7750	-48.20	-25	-23.20	-57.65	3.56	13.01	H
	10330	-61.69	-25	-36.69	-71.21	3.92	13.44	H
	5164	-61.66	-25	-36.66	-71.87	3.03	13.24	V
	7750	-47.62	-25	-22.62	-57.07	3.56	13.01	V
	10330	-61.83	-25	-36.83	-71.35	3.92	13.44	V

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

n41 / NR 100MHz / QPSK / ANT2(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)
Lowest	4996	-61.69	-25	-36.69	-71.90	3.03	13.24	H
	7492	-51.03	-25	-26.03	-60.48	3.56	13.01	H
	10000	-62.03	-25	-37.03	-71.55	3.92	13.44	H
	4996	-62.90	-25	-37.90	-73.11	3.03	13.24	V
	7492	-59.57	-25	-34.57	-69.02	3.56	13.01	V
	10000	-62.36	-25	-37.36	-71.88	3.92	13.44	V
Middle	5088	-60.36	-25	-35.36	-70.57	3.03	13.24	H
	7632	-47.31	-25	-22.31	-56.76	3.56	13.01	H
	10190	-62.43	-25	-37.43	-71.95	3.92	13.44	H
	5096	-63.81	-25	-38.81	-74.02	3.03	13.24	V
	7632	-53.62	-25	-28.62	-63.07	3.56	13.01	V
	10190	-62.58	-25	-37.58	-72.10	3.92	13.44	V
Highest	5192	-64.21	-25	-39.21	-74.42	3.03	13.24	H
	7776	-51.34	-25	-26.34	-60.79	3.56	13.01	H
	10380	-61.57	-25	-36.57	-71.09	3.92	13.44	H
	5192	-64.27	-25	-39.27	-74.48	3.03	13.24	V
	7772	-56.07	-25	-31.07	-65.52	3.56	13.01	V
	10380	-62.07	-25	-37.07	-71.59	3.92	13.44	V

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

n66 / NR 20MHz / QPSK / ANT0(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)
Lowest	3441	-58.18	-13	-45.18	-68.92	2.604	13.34	H
	5163	-54.93	-13	-41.93	-65.44	3.011	13.52	H
	6888	-54.29	-13	-41.29	-64.49	3.271	13.47	H
	3441	-58.91	-13	-45.91	-69.65	2.604	13.34	V
	5163	-54.99	-13	-41.99	-65.50	3.011	13.52	V
	6888	-54.10	-13	-41.10	-64.30	3.271	13.47	V
Middle	3471	-58.99	-13	-45.99	-69.73	2.604	13.34	H
	5208	-55.14	-13	-42.14	-65.65	3.011	13.52	H
	6948	-53.69	-13	-40.69	-63.89	3.271	13.47	H
	3471	-59.13	-13	-46.13	-69.87	2.604	13.34	V
	5208	-55.50	-13	-42.50	-66.01	3.011	13.52	V
	6948	-54.16	-13	-41.16	-64.36	3.271	13.47	V
Highest	3501	-57.89	-13	-44.89	-68.63	2.604	13.34	H
	5253	-55.63	-13	-42.63	-66.14	3.011	13.52	H
	7008	-53.88	-13	-40.88	-64.08	3.271	13.47	H
	3501	-58.31	-13	-45.31	-69.05	2.604	13.34	V
	5253	-55.59	-13	-42.59	-66.10	3.011	13.52	V
	7008	-53.96	-13	-40.96	-64.16	3.271	13.47	V

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

EN-DC_2A_n66A / LTE 20MHz + NR 30MHz / QPSK / ANT2(LTE) & ANT0(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)
Lowest	3423	-57.81	-13	-44.81	-68.55	2.604	13.34	H
	5133	-54.60	-13	-41.60	-65.11	3.011	13.52	H
	6840	-53.67	-13	-40.67	-63.87	3.271	13.47	H
	3423	-58.51	-13	-45.51	-69.25	2.604	13.34	V
	5133	-55.30	-13	-42.30	-65.81	3.011	13.52	V
	6840	-53.84	-13	-40.84	-64.04	3.271	13.47	V
Middle	3471	-57.38	-13	-44.38	-68.12	2.604	13.34	H
	5208	-52.52	-13	-39.52	-63.03	3.011	13.52	H
	6948	-53.34	-13	-40.34	-63.54	3.271	13.47	H
	3471	-58.26	-13	-45.26	-69.00	2.604	13.34	V
	5208	-54.59	-13	-41.59	-65.10	3.011	13.52	V
	6948	-53.31	-13	-40.31	-63.51	3.271	13.47	V
Highest	3522	-56.62	-13	-43.62	-67.36	2.604	13.34	H
	5283	-53.25	-13	-40.25	-63.76	3.011	13.52	H
	7044	-53.54	-13	-40.54	-63.74	3.271	13.47	H
	3522	-57.56	-13	-44.56	-68.30	2.604	13.34	V
	5283	-54.93	-13	-41.93	-65.44	3.011	13.52	V
	7044	-53.32	-13	-40.32	-63.52	3.271	13.47	V

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