

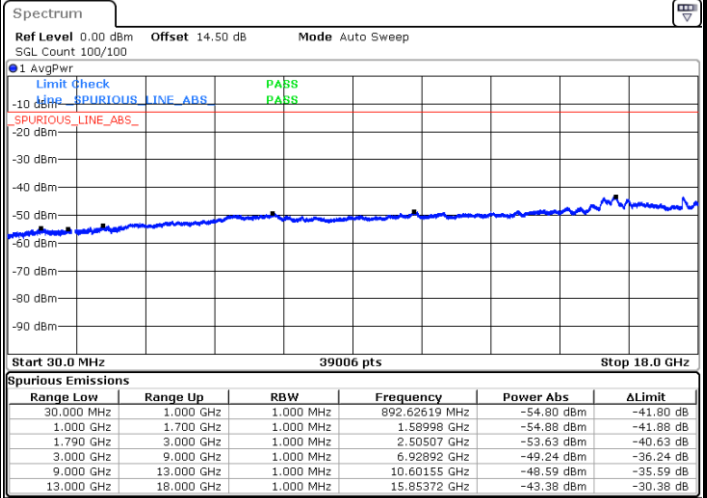
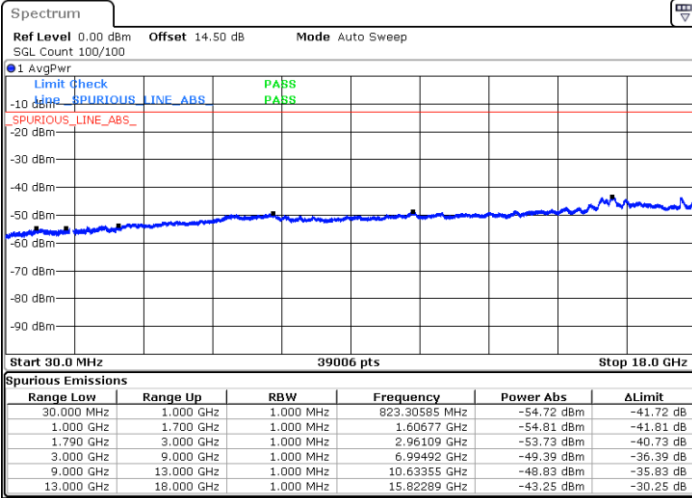


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

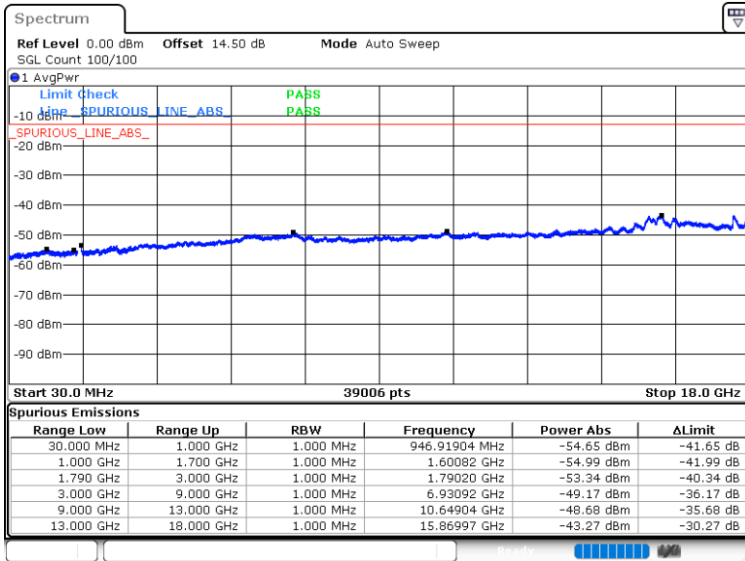
Middle Channel / QPSK



Date: 7.MAR.2024 05:59:33

Date: 7.MAR.2024 06:02:55

Highest Channel / QPSK



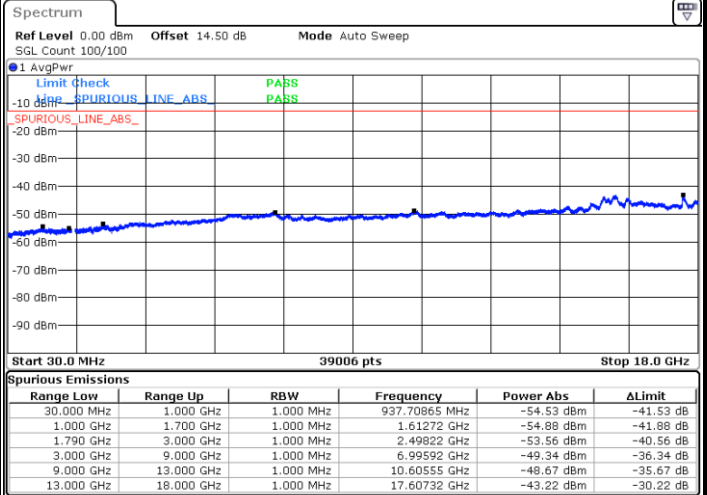
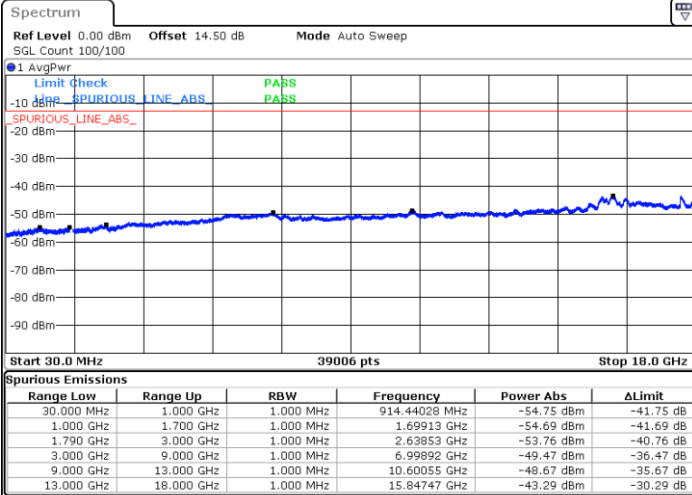
Date: 7.MAR.2024 06:07:37



LTE Band 66 / 3MHz

Lowest Channel / QPSK

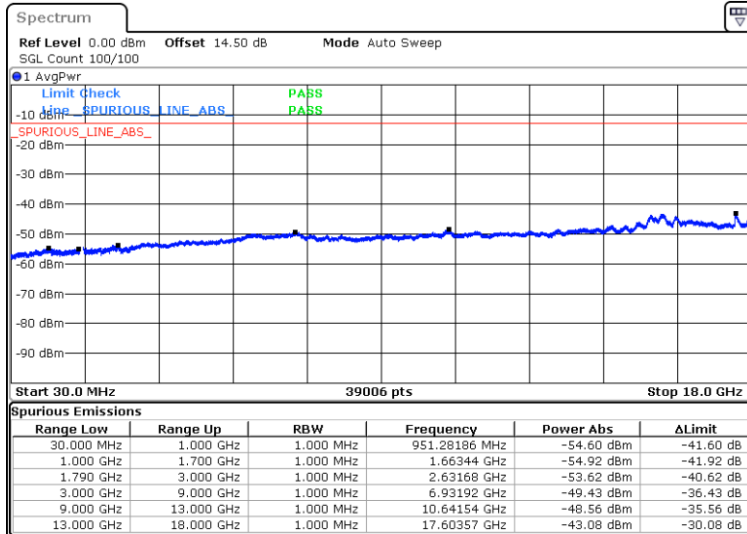
Middle Channel / QPSK



Date: 7.MAR.2024 06:14:02

Date: 7.MAR.2024 06:17:24

Highest Channel / QPSK



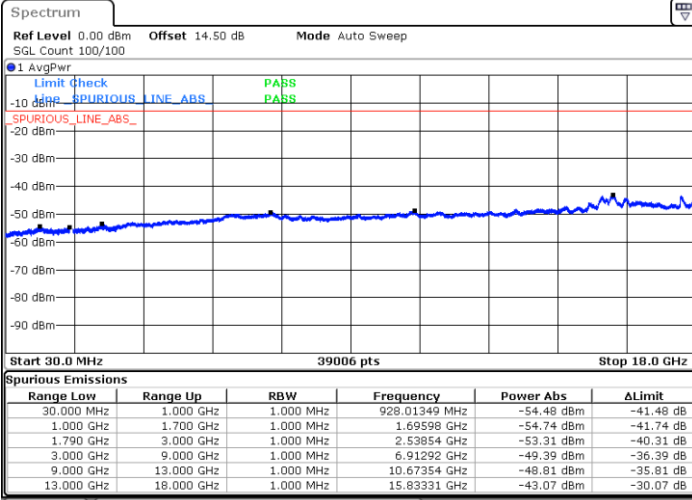
Date: 7.MAR.2024 06:24:26



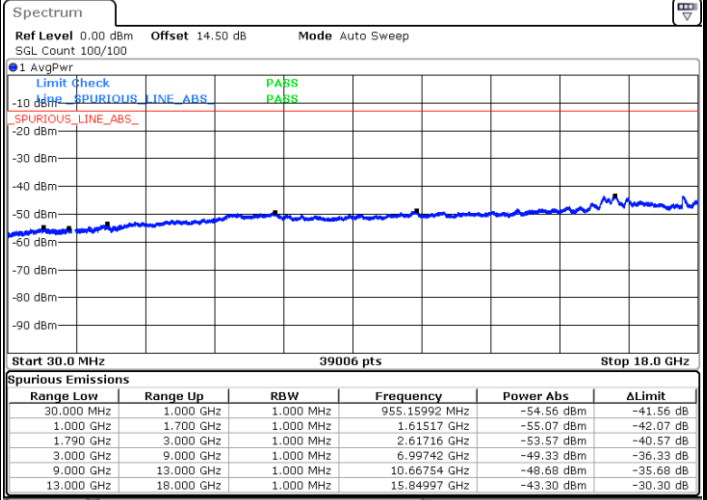
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

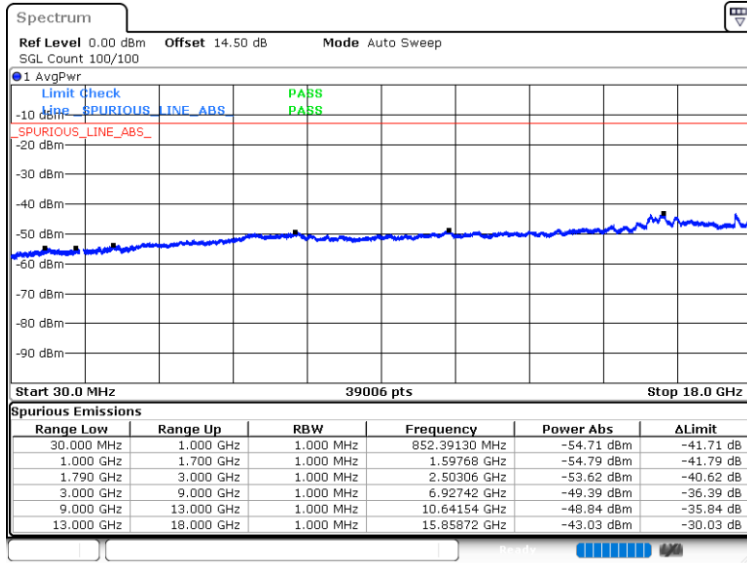


Date: 7.MAR.2024 06:28:31



Date: 7.MAR.2024 06:31:52

Highest Channel / QPSK



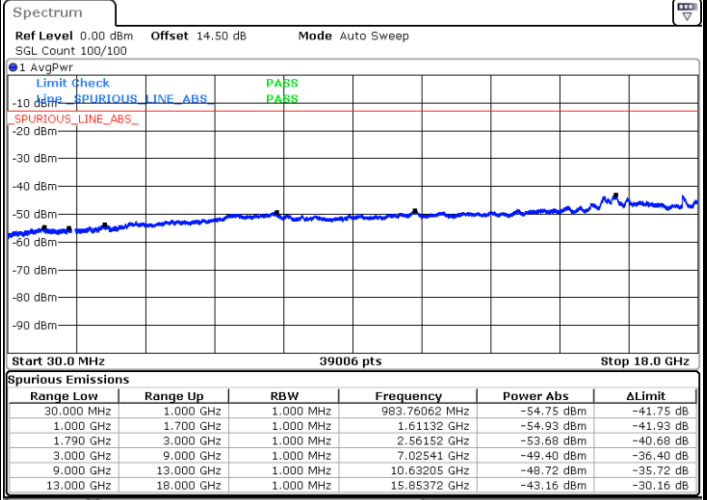
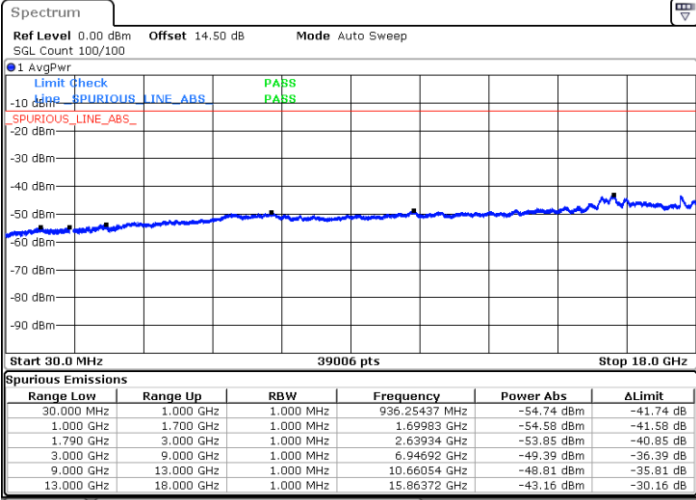
Date: 7.MAR.2024 06:38:56



LTE Band 66 / 10MHz

Lowest Channel / QPSK

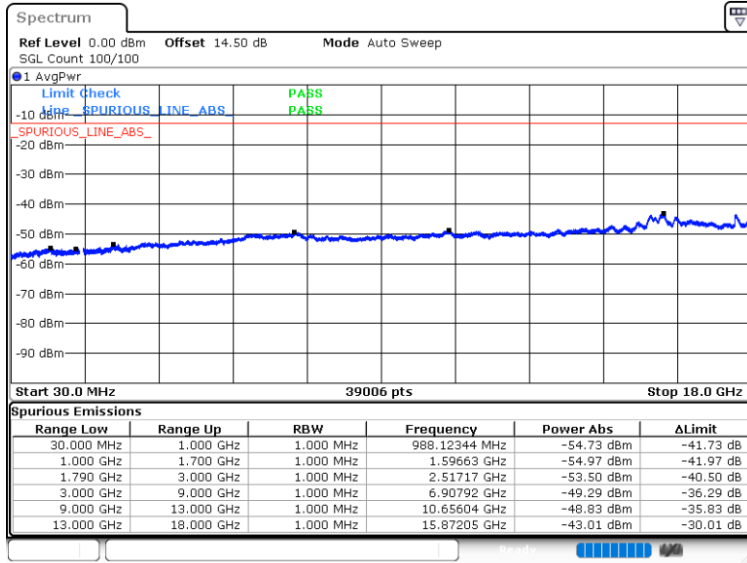
Middle Channel / QPSK



Date: 7.MAR.2024 06:45:22

Date: 7.MAR.2024 06:46:22

Highest Channel / QPSK



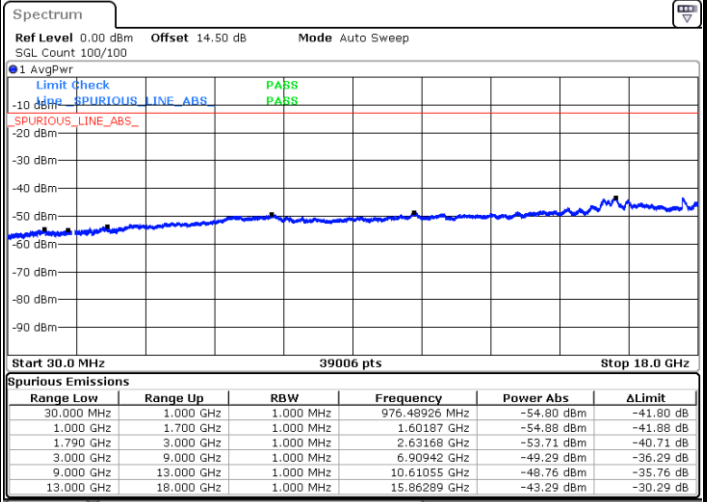
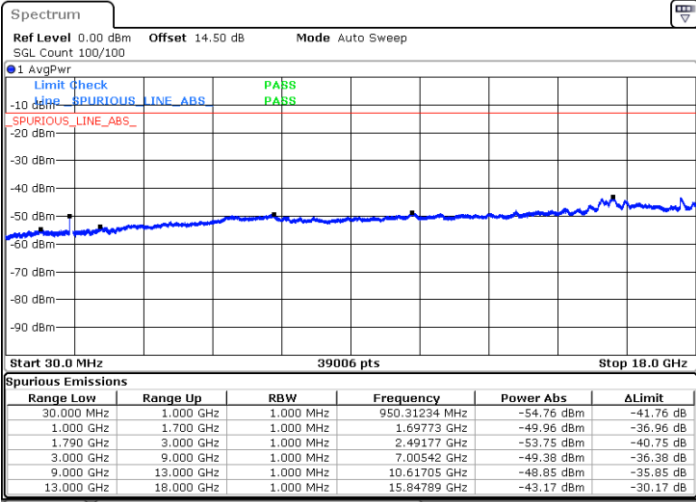
Date: 7.MAR.2024 06:53:26



LTE Band 66 / 15MHz

Lowest Channel / QPSK

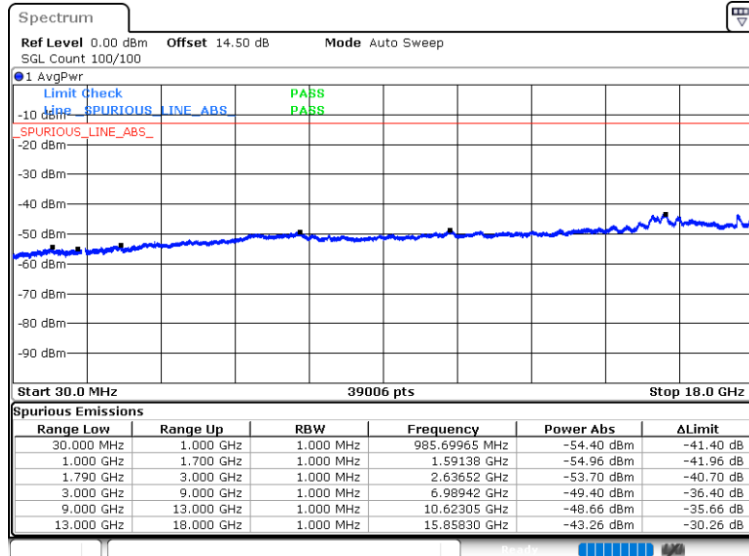
Middle Channel / QPSK



Date: 7.MAR.2024 06:59:52

Date: 7.MAR.2024 07:00:52

Highest Channel / QPSK



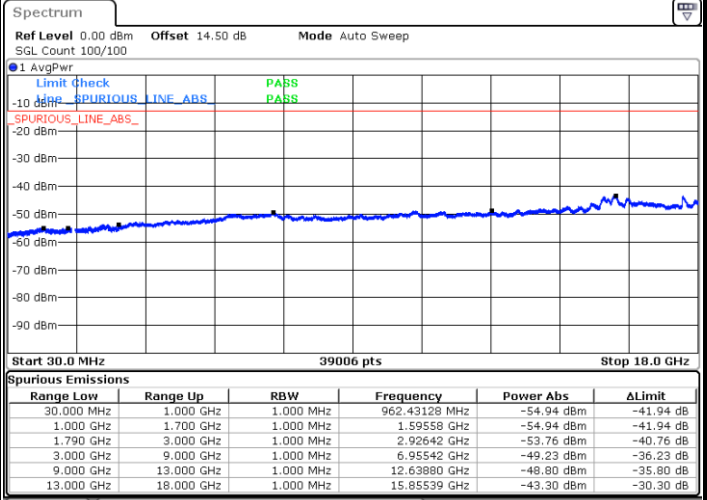
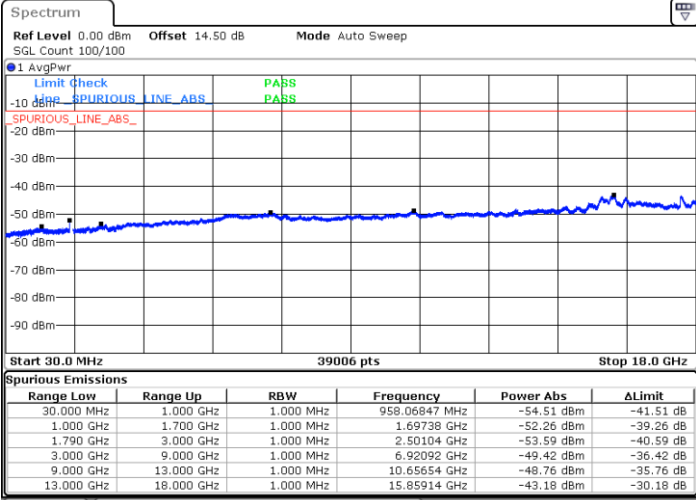
Date: 7.MAR.2024 07:07:56



LTE Band 66 / 20MHz

Lowest Channel / QPSK

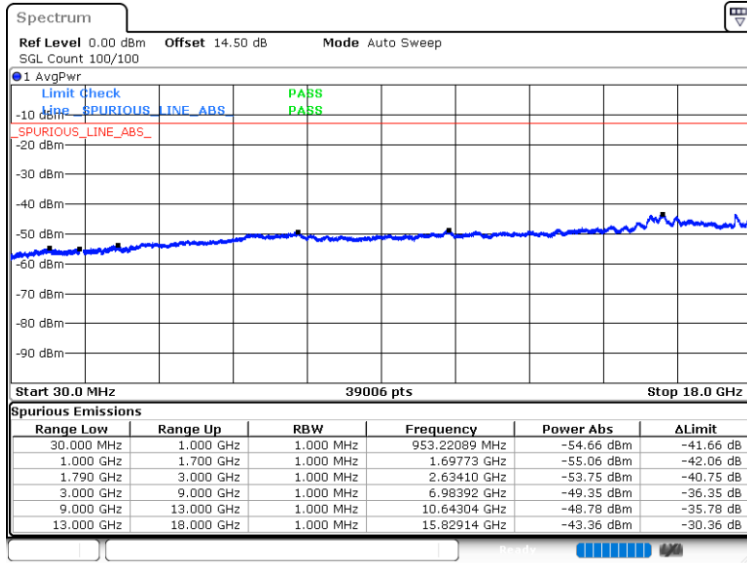
Middle Channel / QPSK



Date: 7.MAR.2024 07:14:21

Date: 7.MAR.2024 07:15:21

Highest Channel / QPSK



Date: 7.MAR.2024 07:31:16



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst results are shown in the report.

ENDC_2A_N78A (Other PA) / LTE 20MHz + NR 100MHz / QPSK for Ant 1+8								
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	3750	-49.72	-13	-36.72	-61.98	2.64	14.90	H
	5610	-53.78	-13	-40.78	-65.64	2.94	14.80	H
	7485	-51.95	-13	-38.95	-61.72	3.39	13.16	H
	3750	-50.21	-13	-37.21	-62.47	2.64	14.90	V
	5610	-53.96	-13	-40.96	-65.82	2.94	14.80	V
	7485	-51.99	-13	-38.99	-61.76	3.39	13.16	V

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

LTE Band 12 / 10MHz / QPSK for Ant 1								
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)
Middle	1408	-66.65	-13	-53.65	-73.62	1.58	10.70	H
	2112	-36.74	-13	-23.74	-44.99	2.102	12.50	H
	2816	-60.56	-13	-47.56	-69.45	2.856	13.90	H
	1408	-67.50	-13	-54.50	-74.47	1.58	10.70	V
	2112	-36.91	-13	-23.91	-45.16	2.10	12.50	V
	2816	-60.32	-13	-47.32	-69.21	2.86	13.90	V

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

LTE Band 13 / 5MHz / QPSK for Ant 1								
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)
Middle	1560	-64.60	-42.15	-22.45	-67.23	1.09	5.87	H
	2336	-60.96	-13	-47.96	-63.36	1.37	5.92	H
	3120	-60.25	-13	-47.25	-64.14	1.64	7.68	H
	1560	-63.80	-42.15	-21.65	-66.43	1.09	5.87	V
	2336	-59.25	-13	-46.25	-61.65	1.37	5.92	V
	3120	-60.32	-13	-47.32	-64.21	1.64	7.68	V

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



LTE Band 13 / 10MHz / QPSK for Ant 1								
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)
Middle	1552	-65.31	-13	-52.31	-67.94	1.09	5.87	H
	2336	-55.82	-13	-42.82	-58.22	1.37	5.92	H
	3112	-60.09	-13	-47.09	-63.98	1.64	7.68	H
	1552	-65.73	-13	-52.73	-68.36	1.09	5.87	V
	2336	-59.23	-13	-46.23	-61.63	1.37	5.92	V
	3112	-59.79	-13	-46.79	-63.68	1.64	7.68	V

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

LTE Band 25 / 20MHz / QPSK for Ant 2								
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	3735	-55.46	-13	-42.46	-67.72	2.64	14.90	H
	5610	-51.17	-13	-38.17	-63.03	2.94	14.80	H
	7485	-53.09	-13	-40.09	-62.86	3.39	13.16	H
	3735	-55.52	-13	-42.52	-67.78	2.64	14.90	V
	5610	-52.30	-13	-39.30	-64.16	2.94	14.80	V
	7485	-52.97	-13	-39.97	-62.74	3.39	13.16	V

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

LTE Band 26 / 15MHz / QPSK for Ant 1								
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	1656	-54.09	-13	-41.09	-61.06	1.58	10.70	H
	2488	-40.00	-13	-27.00	-48.25	2.102	12.50	H
	3320	-61.42	-13	-48.42	-70.31	2.856	13.90	H
	1656	-62.43	-13	-49.43	-69.40	1.58	10.70	V
	2488	-38.51	-13	-25.51	-46.76	2.10	12.50	V
	3320	-61.58	-13	-48.58	-70.47	2.86	13.90	V

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



LTE Band 66(Main PA) / 20MHz / QPSK for Ant 2								
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	3465	-57.97	-13	-44.97	-68.71	2.604	13.34	H
	5205	-51.73	-13	-38.73	-62.24	3.011	13.52	H
	6945	-54.28	-13	-41.28	-64.48	3.271	13.47	H
	3465	-58.14	-13	-45.14	-68.88	2.604	13.34	V
	5205	-51.66	-13	-38.66	-62.17	3.011	13.52	V
	6945	-54.61	-13	-41.61	-64.81	3.271	13.47	V

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

ENDC_66A_n78A (Other PA) / LTE 20MHz + NR 100MHz / QPSK for Ant 1+8								
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	3465	-56.67	-13	-43.67	-67.41	2.604	13.34	H
	5205	-52.73	-13	-39.73	-63.24	3.011	13.52	H
	6945	-53.61	-13	-40.61	-63.81	3.271	13.47	H
	3465	-56.70	-13	-43.70	-67.44	2.604	13.34	V
	5205	-52.47	-13	-39.47	-62.98	3.011	13.52	V
	6945	-53.44	-13	-40.44	-63.64	3.271	13.47	V

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