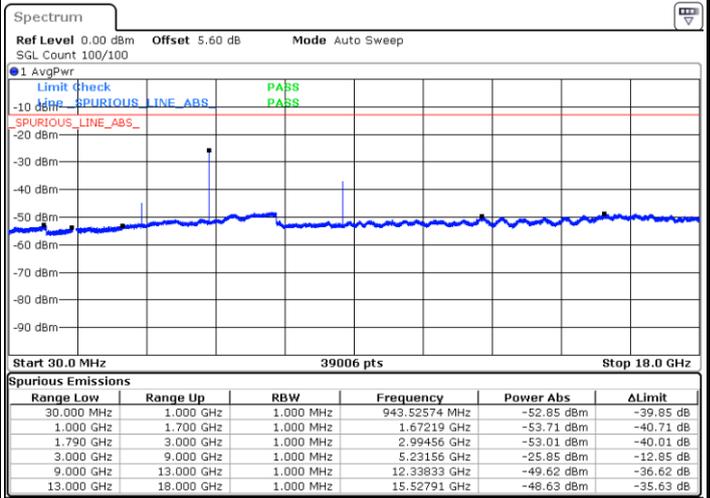
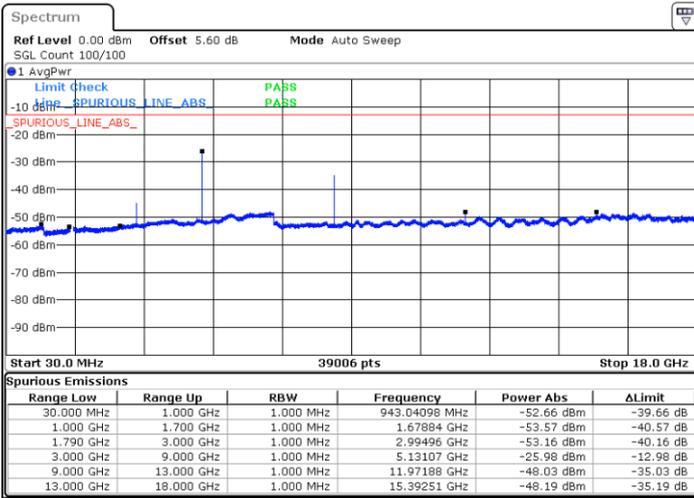




LTE Band 66 / 3MHz

Lowest Channel / QPSK

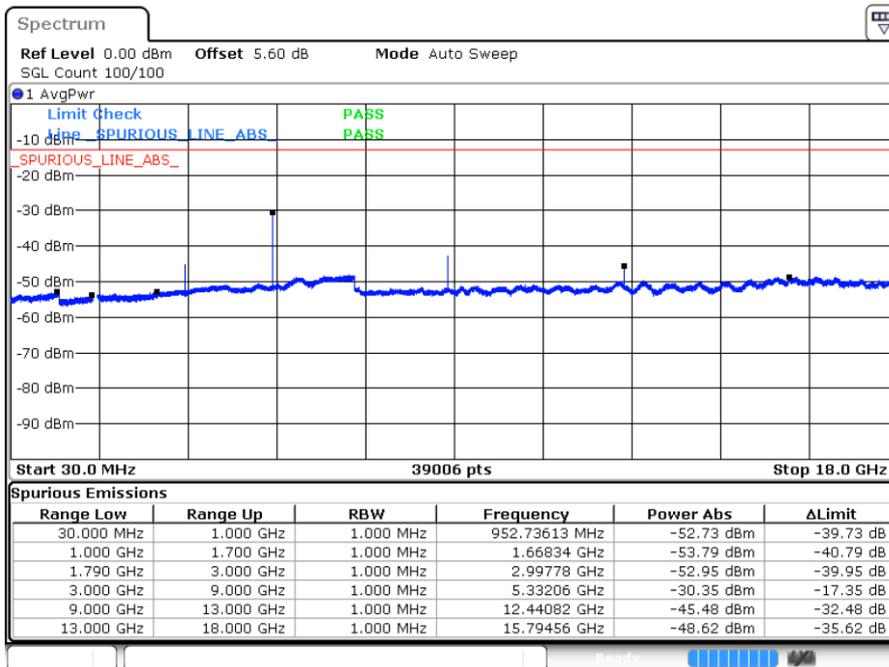
Middle Channel / QPSK



Date: 20 AUG 2021 21:51:40

Date: 20 AUG 2021 21:55:13

Highest Channel / QPSK



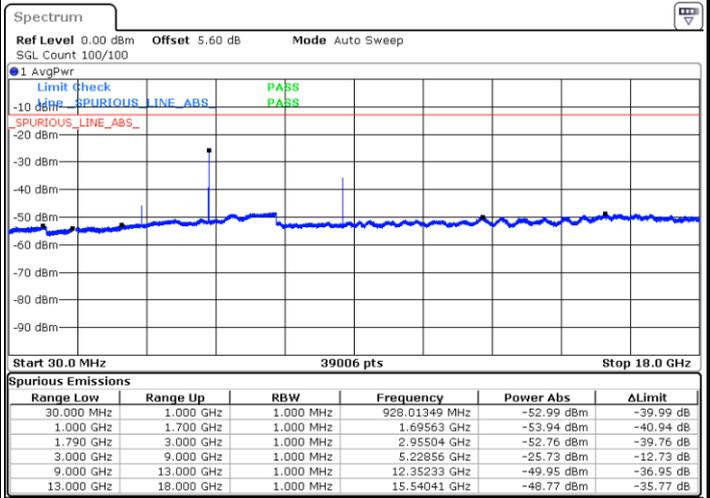
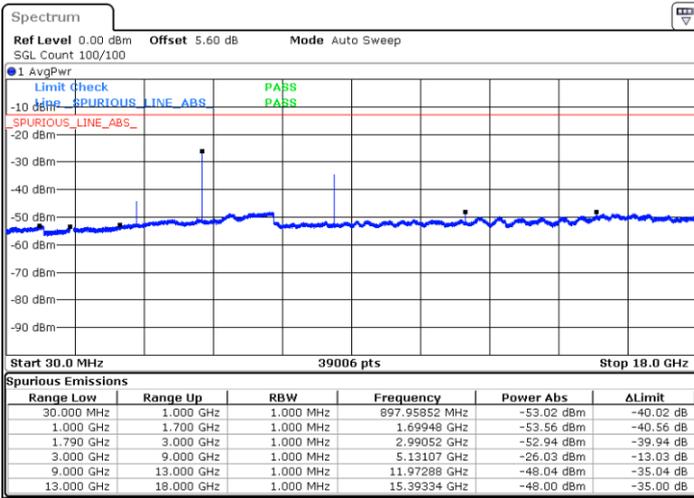
Date: 20 AUG 2021 21:56:52



LTE Band 66 / 5MHz

Lowest Channel / QPSK

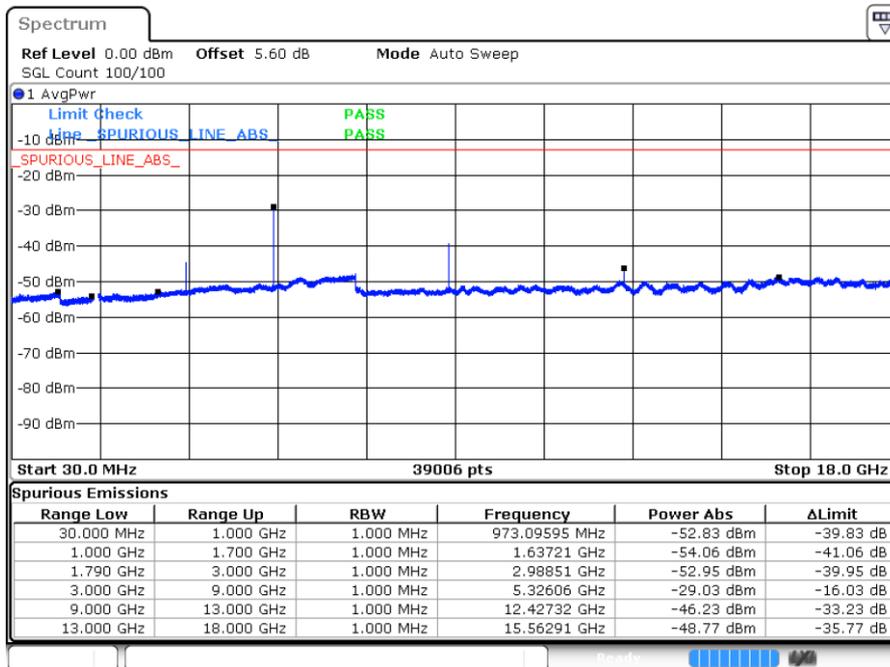
Middle Channel / QPSK



Date: 20 AUG 2021 22:06:14

Date: 20 AUG 2021 22:07:34

Highest Channel / QPSK

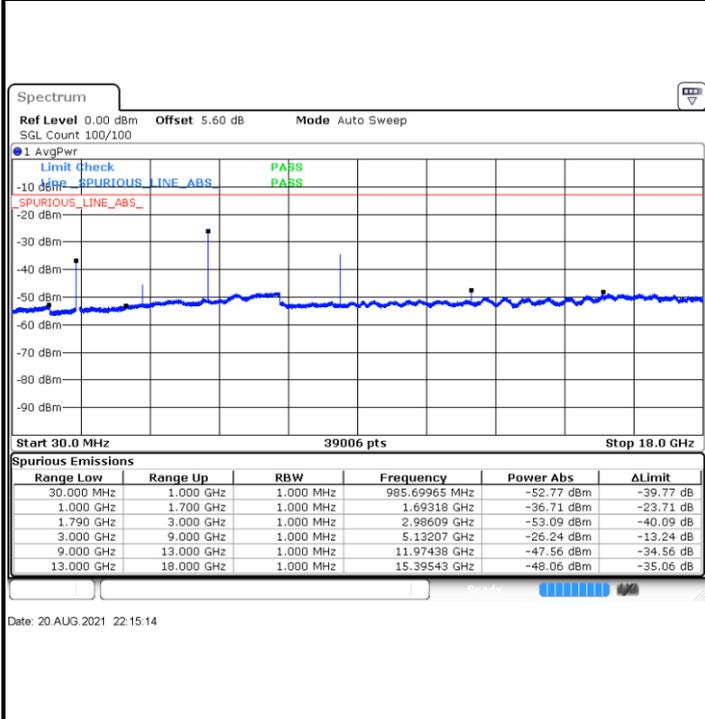


Date: 20 AUG 2021 22:08:39

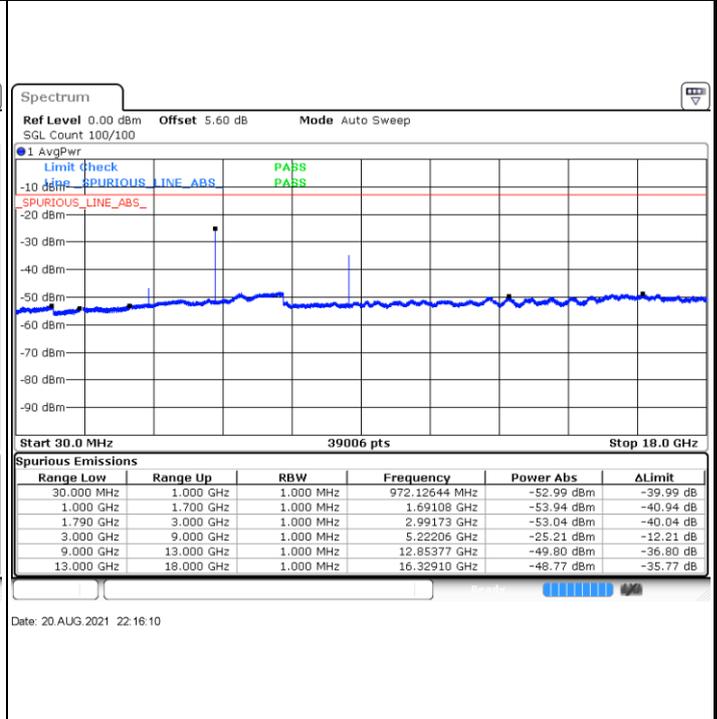


LTE Band 66 / 10MHz

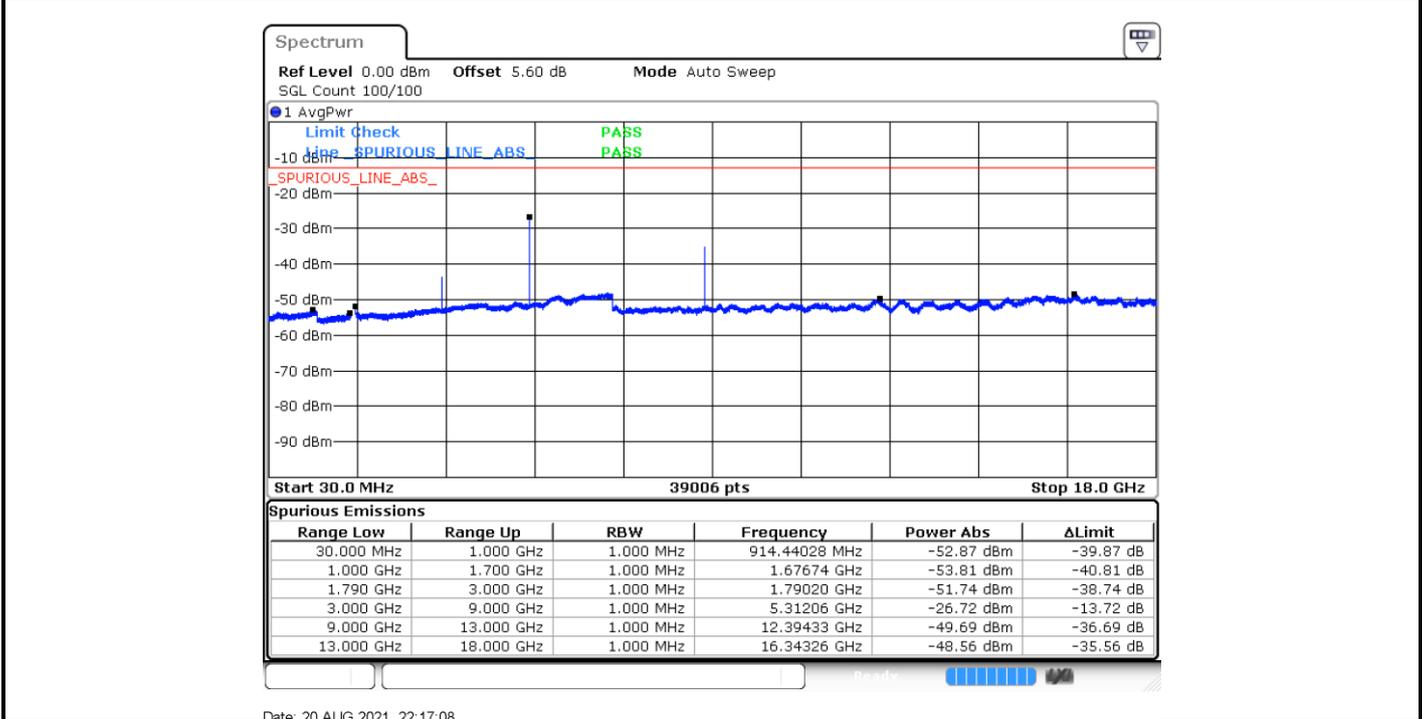
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

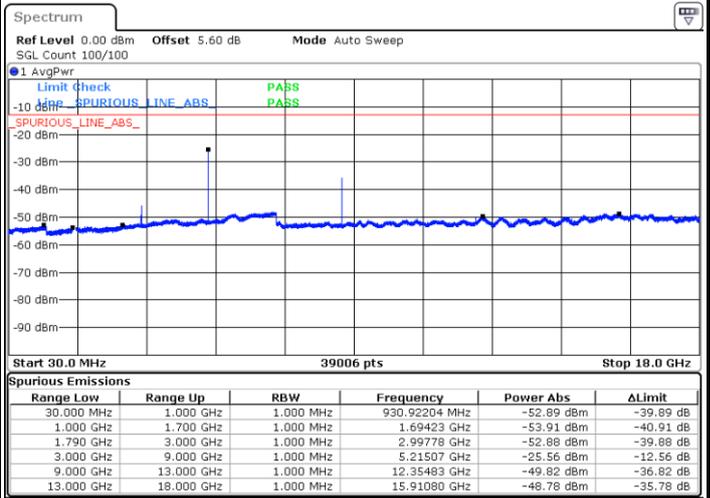
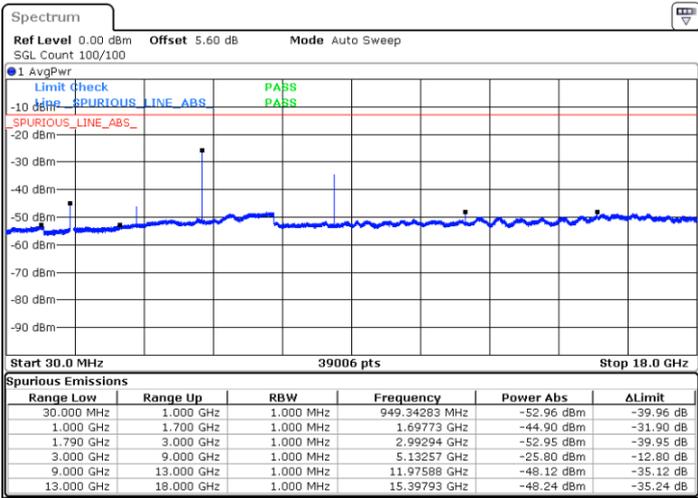




LTE Band 66 / 15MHz

Lowest Channel / QPSK

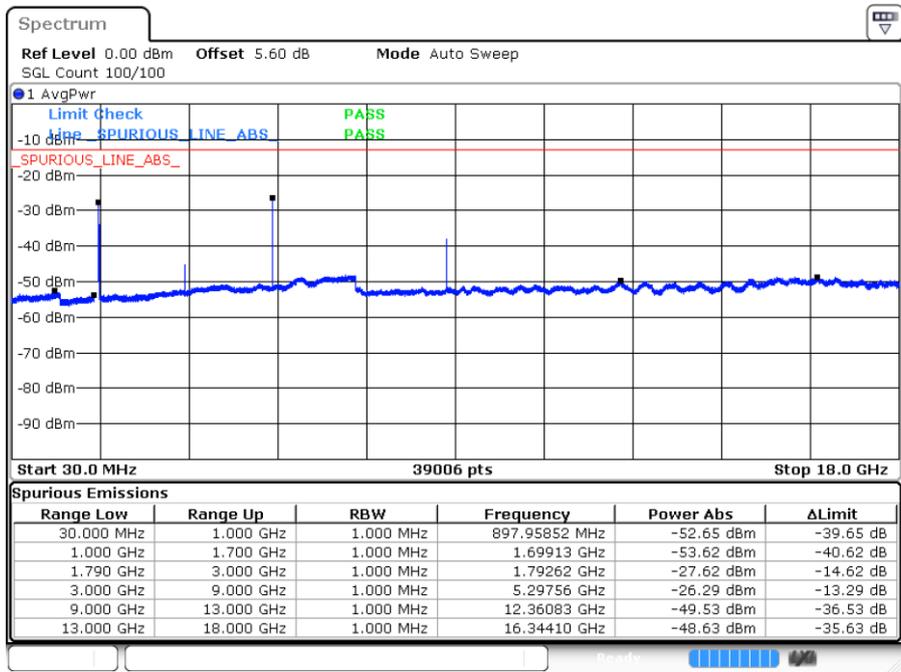
Middle Channel / QPSK



Date: 20 AUG 2021 22:27:55

Date: 20 AUG 2021 22:28:54

Highest Channel / QPSK



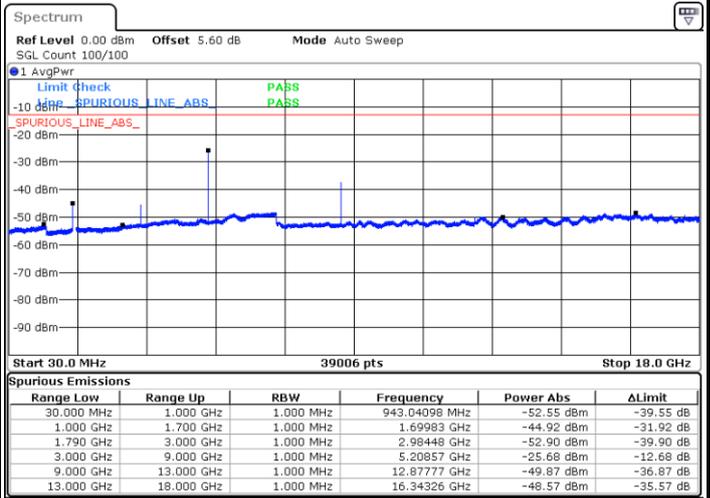
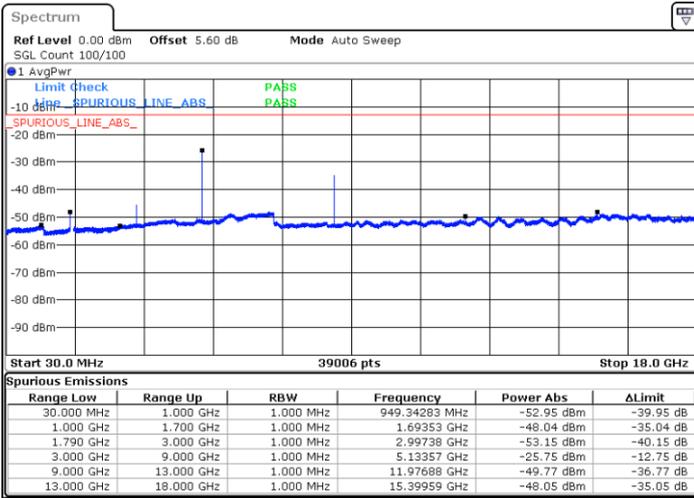
Date: 20 AUG 2021 22:30:25



LTE Band 66 / 20MHz

Lowest Channel / QPSK

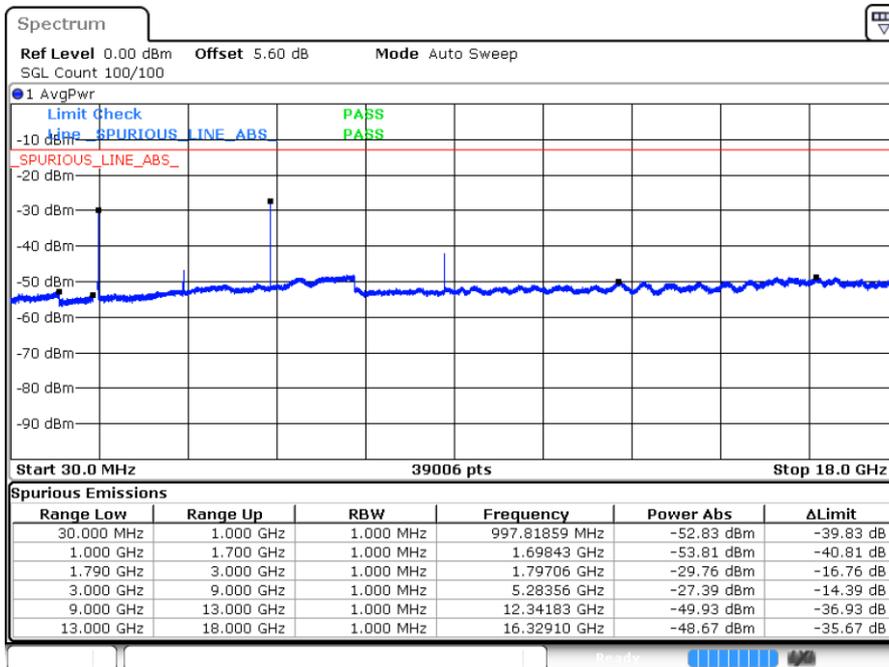
Middle Channel / QPSK



Date: 20 AUG 2021 22:38:04

Date: 20 AUG 2021 22:38:07

Highest Channel / QPSK



Date: 20 AUG 2021 22:47:32



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	0.0005	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0089	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



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.

LTE Band 2 / 20MHz / QPSK for Antenna 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	3741	-55.35	-13	-42.35	-67.61	2.64	14.90	H
	5613	-48.36	-13	-35.36	-60.22	2.94	14.80	H
	7488	-52.06	-13	-39.06	-61.83	3.39	13.16	H
	3741	-56.50	-13	-43.50	-68.76	2.64	14.90	V
	5613	-51.80	-13	-38.80	-63.66	2.94	14.80	V
	7488	-51.51	-13	-38.51	-61.28	3.39	13.16	V

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

LTE Band 5 / 10MHz / QPSK for Antenna 4								
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	1664	-65.12	-13	-52.12	-72.09	1.58	10.70	H
	2496	-61.13	-13	-48.13	-69.38	2.102	12.50	H
	3330	-59.93	-13	-46.93	-68.82	2.856	13.90	H
	1664	-64.19	-13	-51.19	-71.16	1.58	10.70	V
	2496	-58.73	-13	-45.73	-66.98	2.10	12.50	V
	3330	-60.79	-13	-47.79	-69.68	2.86	13.90	V

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



LTE Band 12 / 10MHz / QPSK for Antenna 0								
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	1406	-66.18	-13	-53.18	-73.15	1.58	10.70	H
	2110	-60.79	-13	-47.79	-69.42	1.72	12.50	H
	2812	-59.85	-13	-46.85	-69.64	1.96	13.90	H
	3516	-60.45	-13	-47.45	-69.15	2.45	13.30	H
	1406	-63.89	-13	-50.89	-70.86	1.58	10.70	V
	2110	-59.01	-13	-46.01	-67.64	1.72	12.50	V
	2812	-59.46	-13	-46.46	-69.25	1.96	13.90	V
3516	-60.67	-13	-47.67	-69.37	2.45	13.30	V	

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

LTE Band 66 / 20MHz / QPSK for Antenna 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	3471	-57.30	-13	-44.30	-68.04	2.604	13.34	H
	5208	-53.77	-13	-40.77	-64.28	3.011	13.52	H
	6948	-54.39	-13	-41.39	-64.59	3.271	13.47	H
	3471	-57.86	-13	-44.86	-68.60	2.604	13.34	V
	5208.27	-54.35	-13	-41.35	-64.86	3.011	13.52	V
	6948	-54.32	-13	-41.32	-64.52	3.271	13.47	V

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

For other PA :

Note : For LTE Band 2/5/66 RSE testing is covered by 5G NR/EN-DC mode.

LTE Band 12 / 10MHz / QPSK for Antenna 0								
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	1406	-66.20	-13	-53.20	-73.17	1.58	10.70	H
	2110	-63.42	-13	-50.42	-71.67	2.102	12.50	H
	2812	-61.27	-13	-48.27	-70.16	2.856	13.90	H
	3516	-61.55	-13	-48.55	-70.01	2.689	13.30	H
	1406	-63.71	-13	-50.71	-70.68	1.58	10.70	V
	2110	-61.20	-13	-48.20	-69.45	2.10	12.50	V
	2812	-61.25	-13	-48.25	-70.14	2.86	13.90	V
	3516	-61.12	-13	-48.12	-69.58	2.69	13.30	V

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