

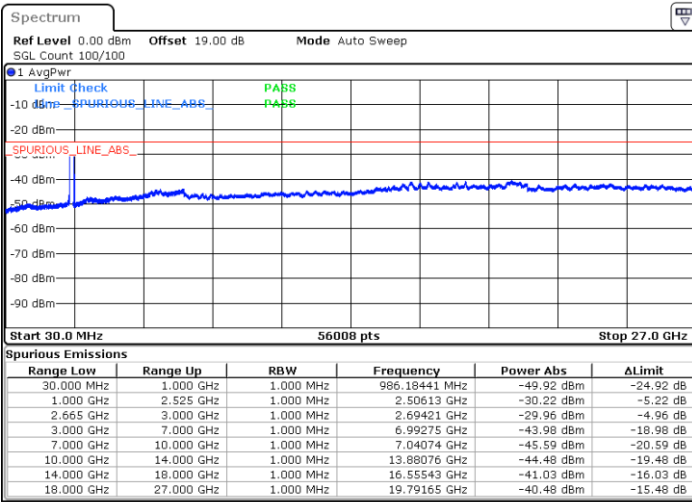


LTE Band 38C / 20MHz+20MHz

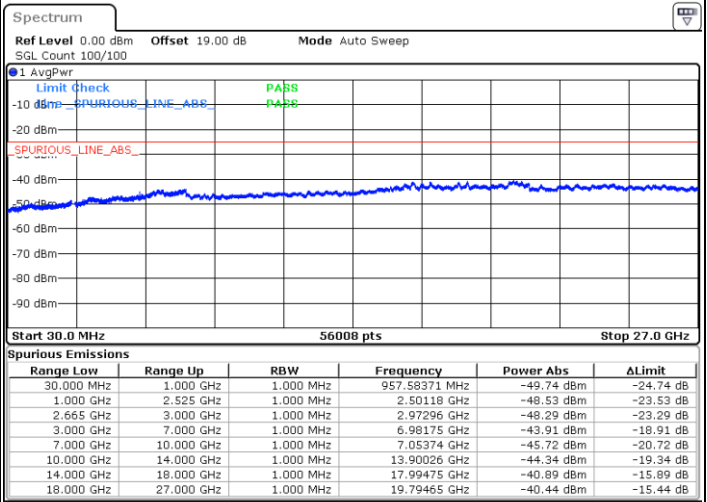
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



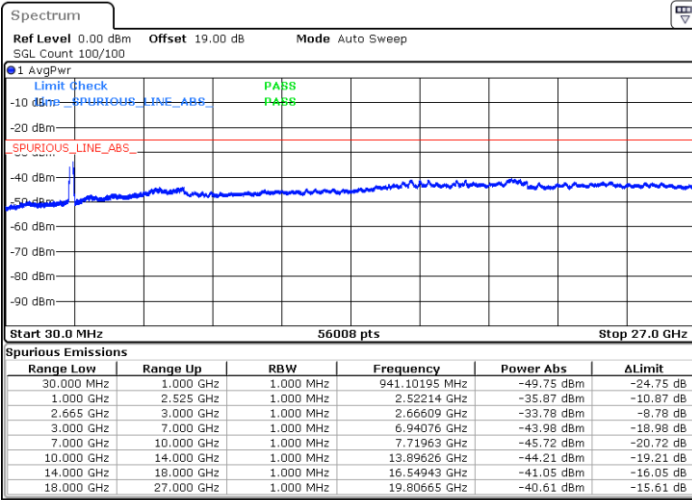
Date: 18.JAN.2023 11:21:41



Date: 18.JAN.2023 10:37:06

Highest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:45:15

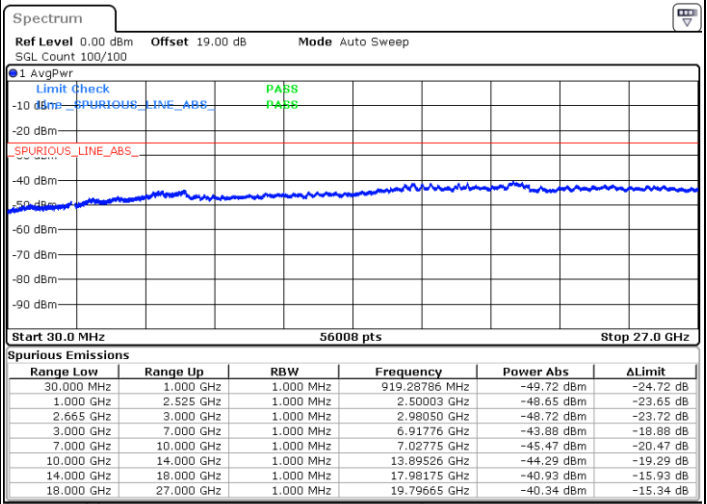
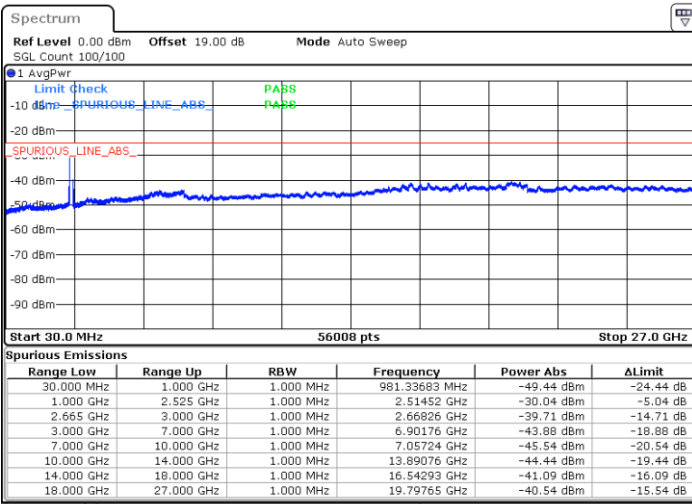


LTE Band 38C / 15MHz+15MHz

16QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0

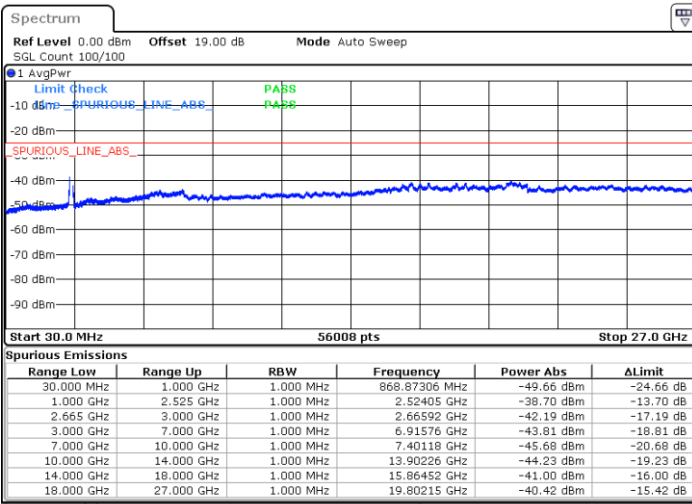


Date: 18.JAN.2023 10:17:10

Date: 18.JAN.2023 10:13:06

Lowest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:21:16

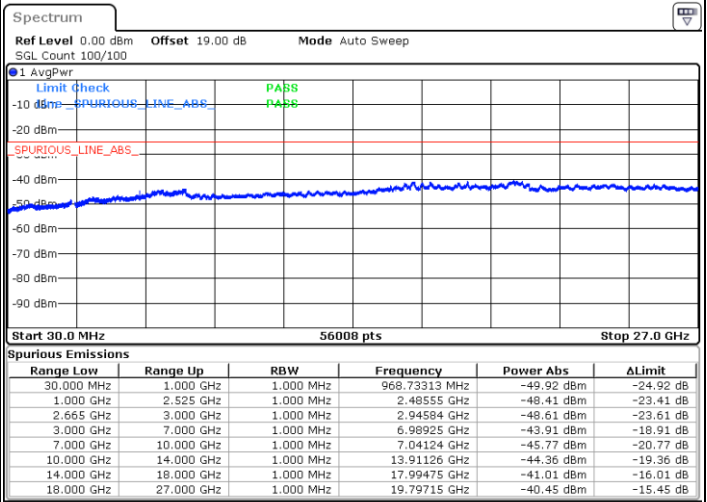
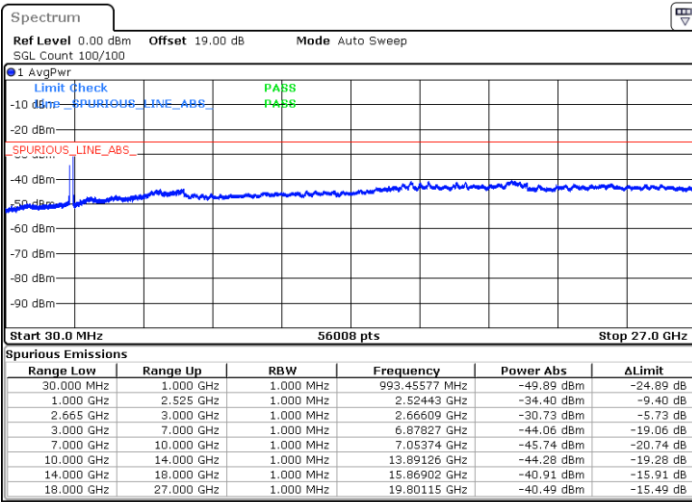


LTE Band 38C / 15MHz+15MHz

16QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0

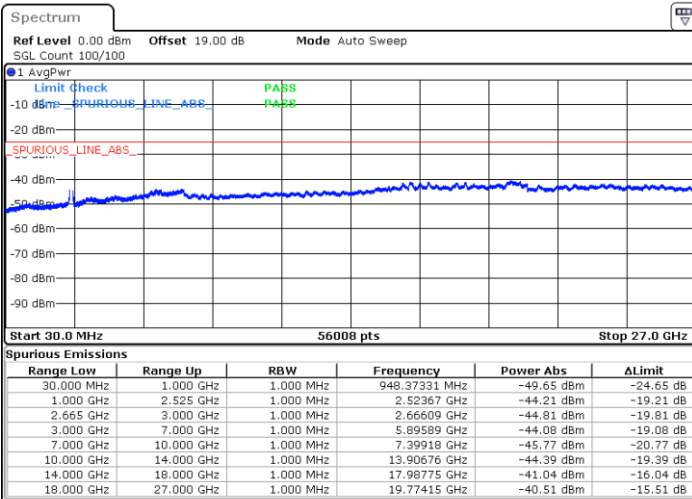


Date: 18.JAN.2023 10:29:29

Date: 18.JAN.2023 10:33:33

Middle Channel / FullRB

N/A



Date: 18.JAN.2023 10:25:24

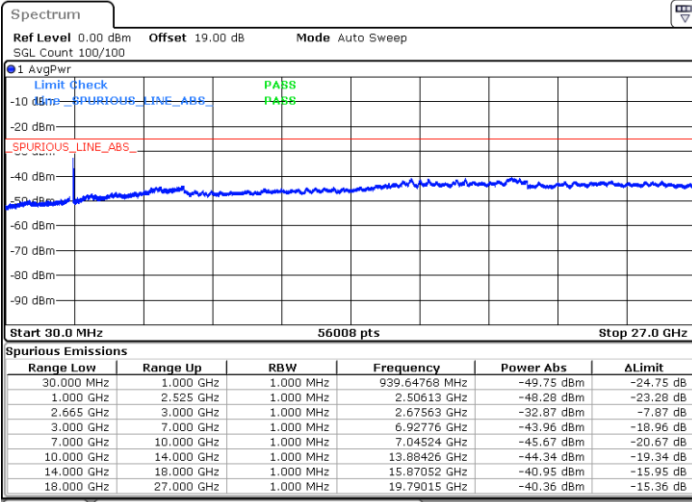


LTE Band 38C / 15MHz+15MHz

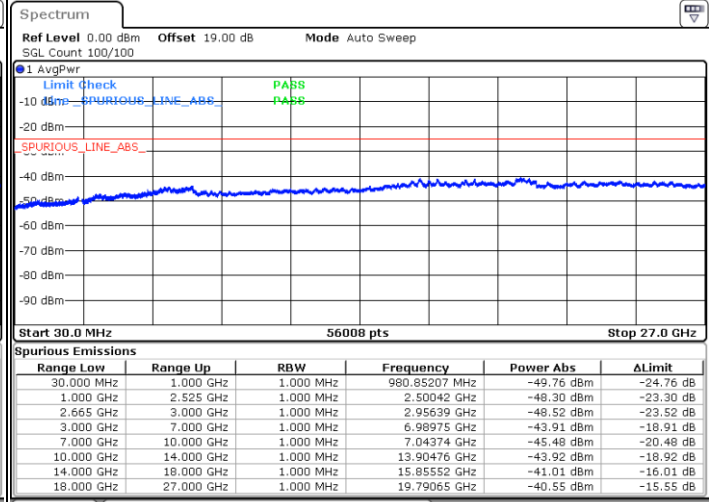
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



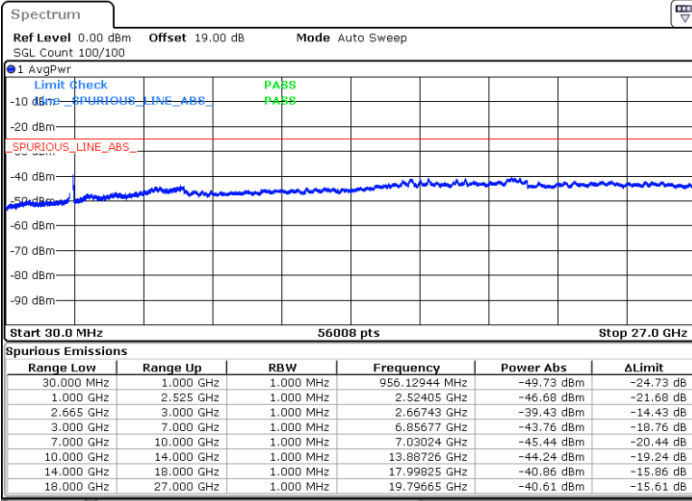
Date: 18.JAN.2023 10:04:53



Date: 18.JAN.2023 10:00:48

Highest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:08:58

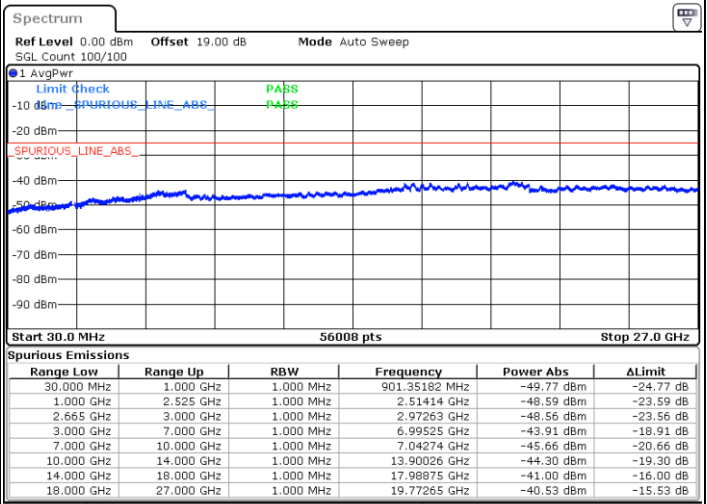
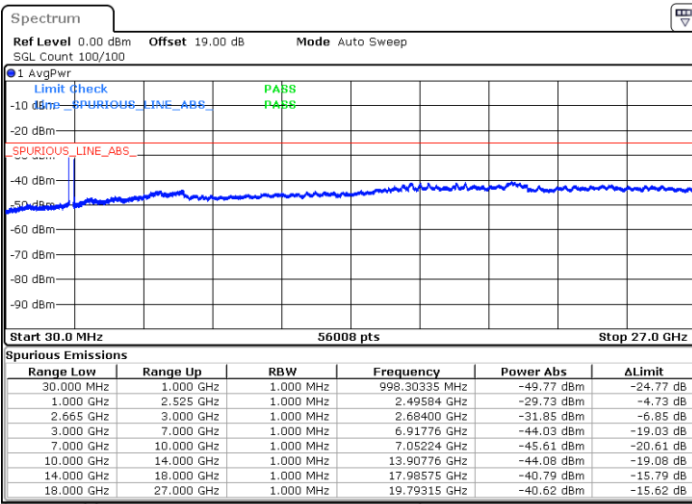


LTE Band 38C / 20MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

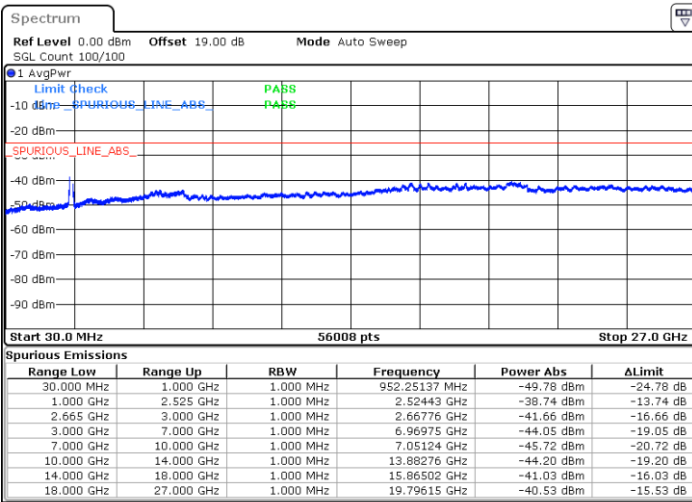


Date: 18.JAN.2023 10:54:50

Date: 18.JAN.2023 10:50:45

Lowest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:58:55

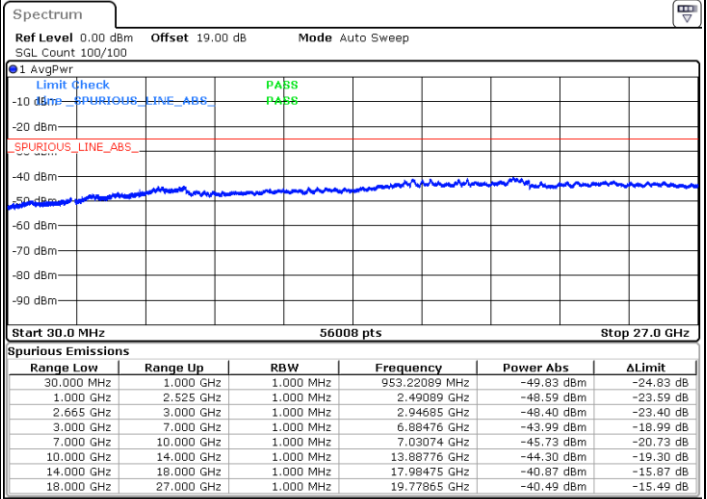
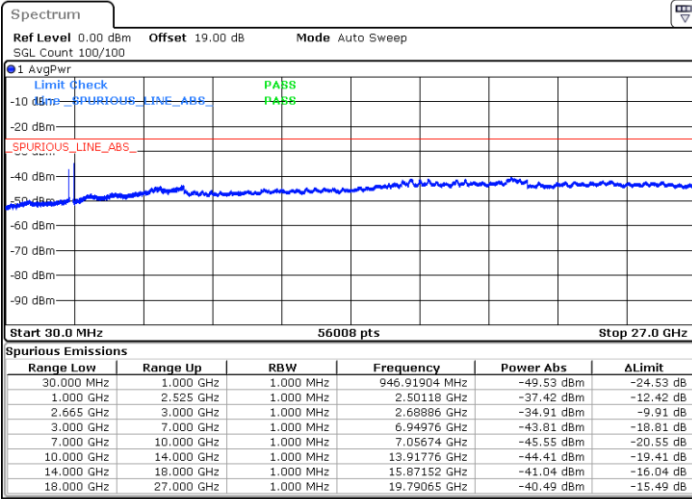


LTE Band 38C / 20MHz+20MHz

16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

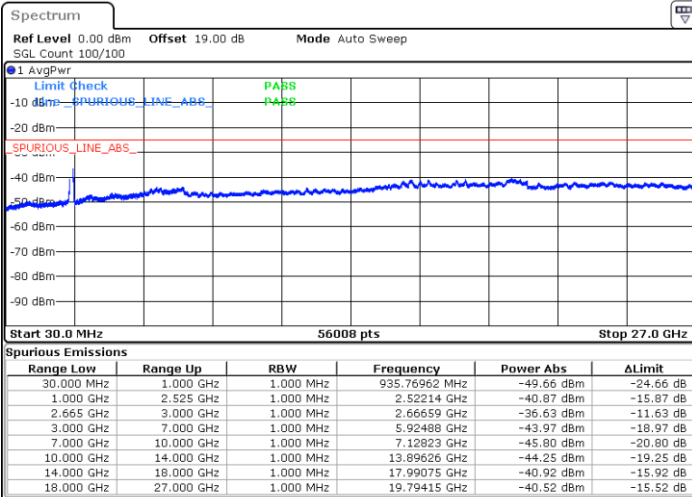


Date: 18.JAN.2023 11:07:08

Date: 18.JAN.2023 11:11:13

Middle Channel / FullRB

N/A



Date: 18.JAN.2023 11:03:03

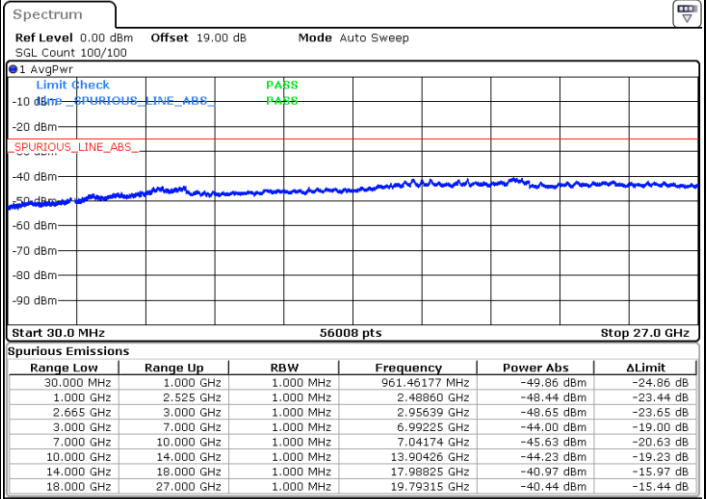
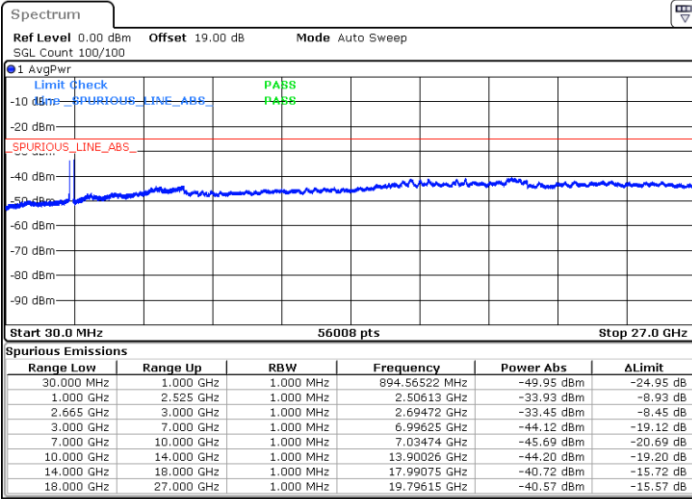


LTE Band 38C / 20MHz+20MHz

16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0

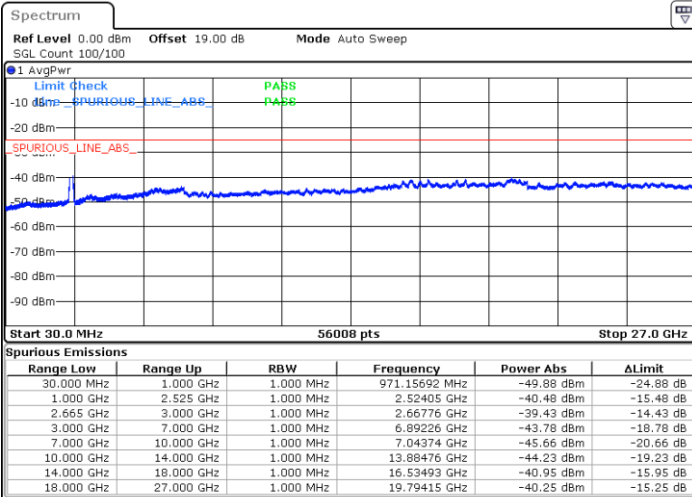


Date: 18.JAN.2023 10:42:32

Date: 18.JAN.2023 10:38:27

Highest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:46:37

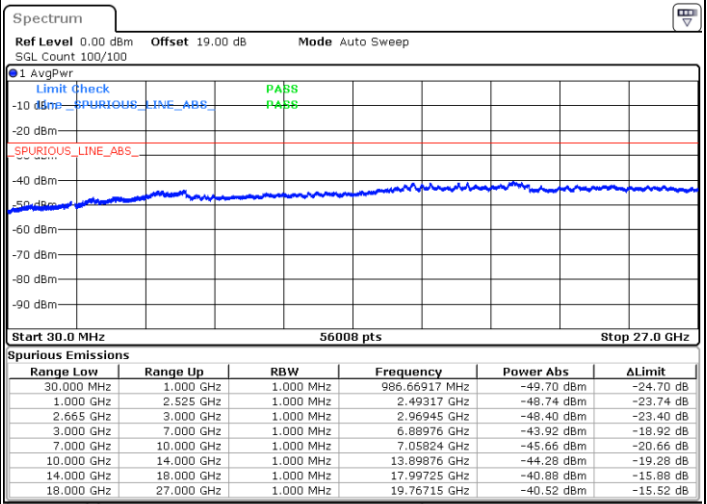
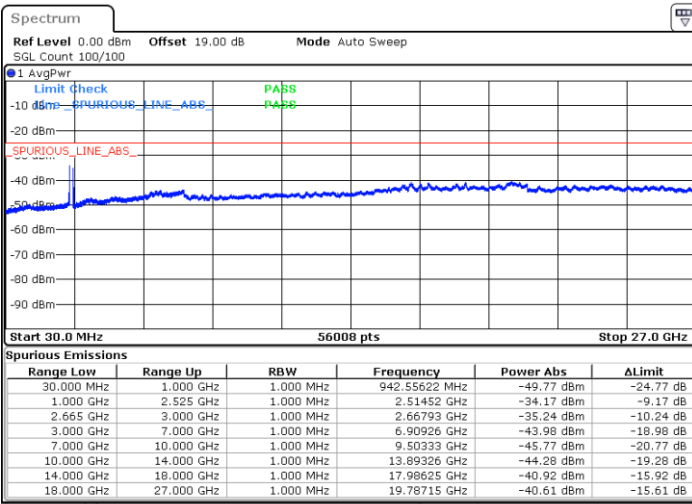


LTE Band 38C / 15MHz+15MHz

64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0

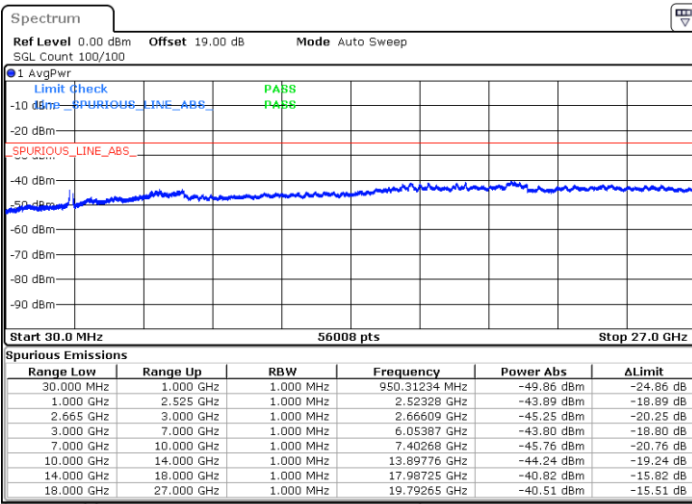


Date: 18.JAN.2023 10:18:32

Date: 18.JAN.2023 10:11:44

Lowest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:19:54

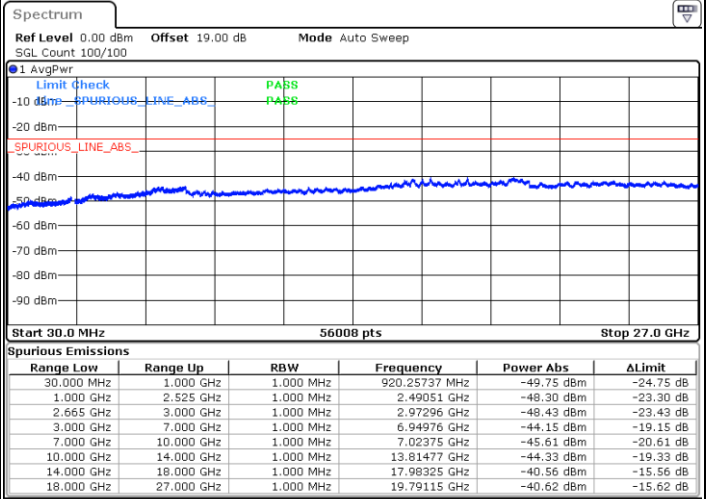
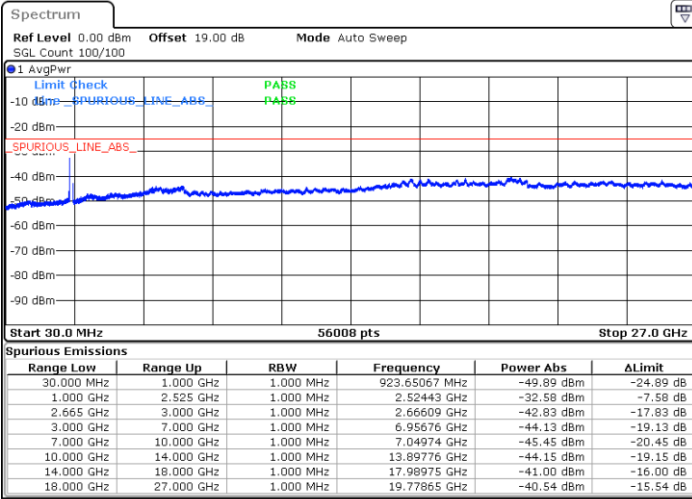


LTE Band 38C / 15MHz+15MHz

64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0

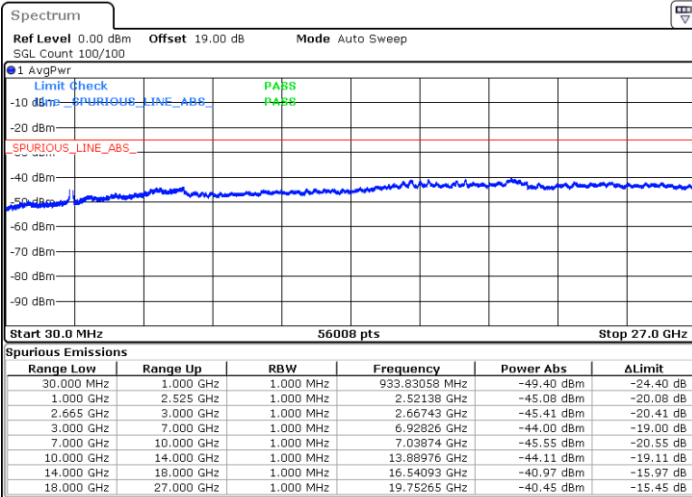


Date: 18.JAN.2023 10:28:07

Date: 18.JAN.2023 10:34:55

Middle Channel / FullIRB

N/A



Date: 18.JAN.2023 10:26:45

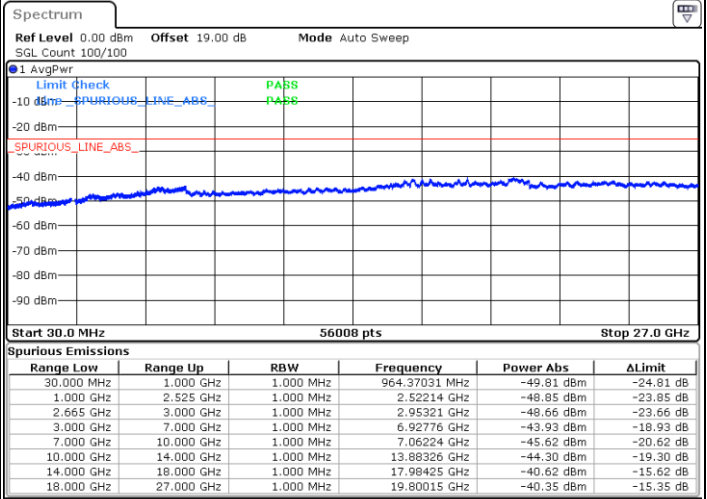
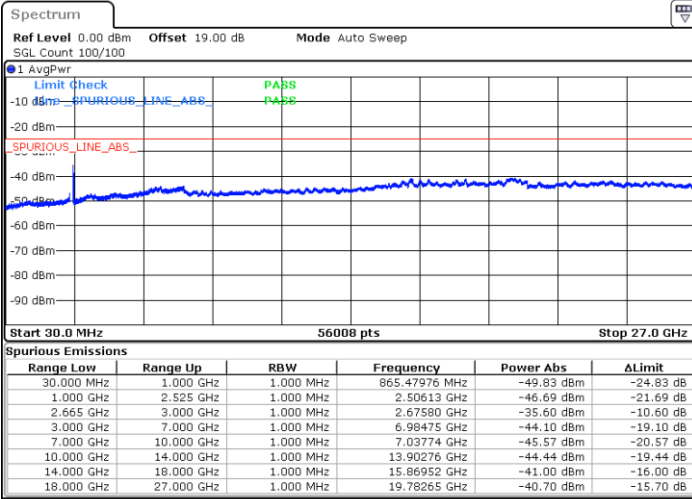


LTE Band 38C / 15MHz+15MHz

64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0

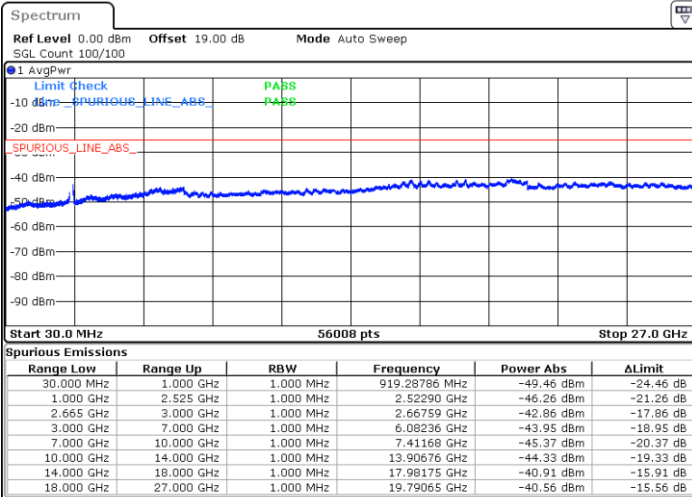


Date: 18.JAN.2023 10:03:32

Date: 18.JAN.2023 10:02:10

Highest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:10:19

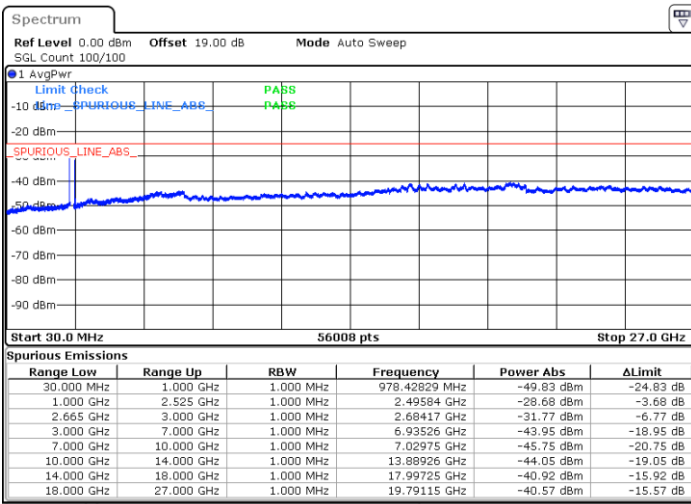


LTE Band 38C / 20MHz+20MHz

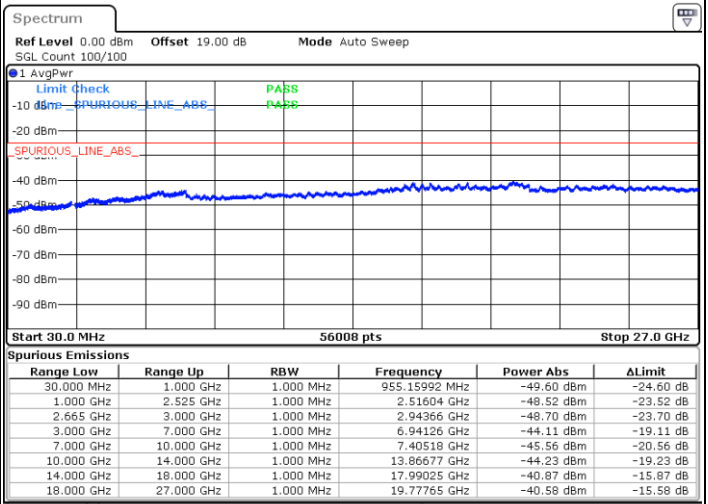
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



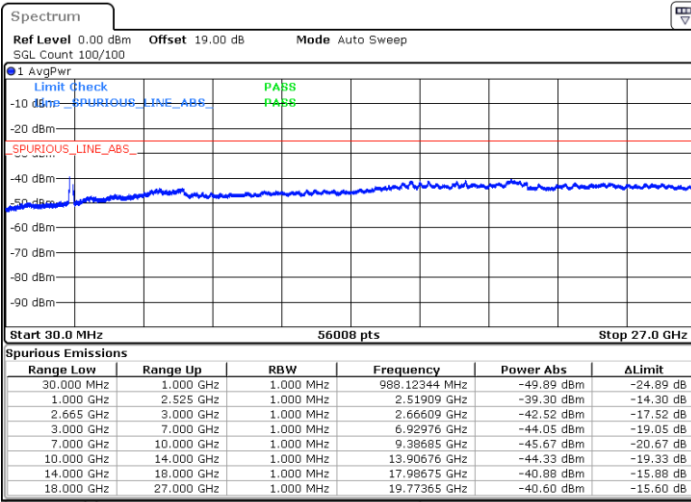
Date: 18.JAN.2023 10:56:12



Date: 18.JAN.2023 10:49:24

Lowest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:57:34

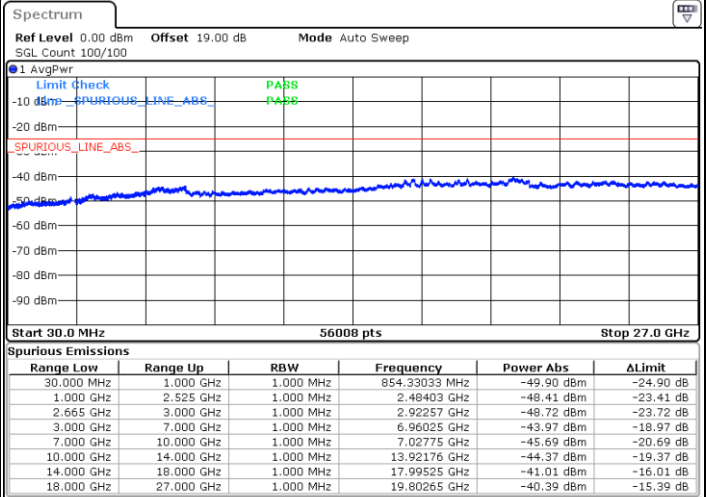
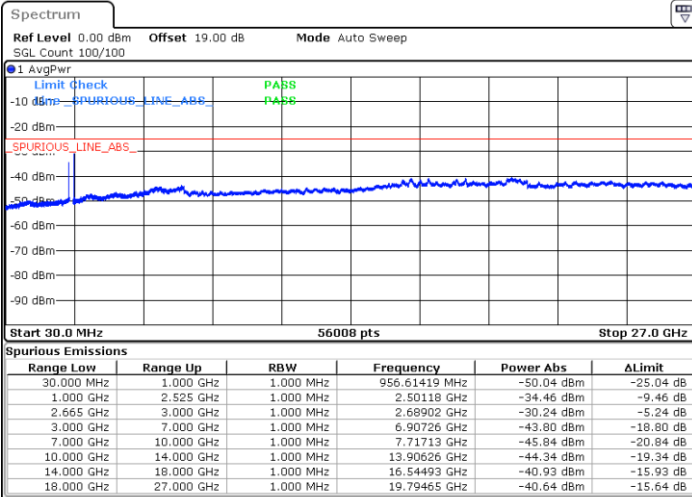


LTE Band 38C / 20MHz+20MHz

64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

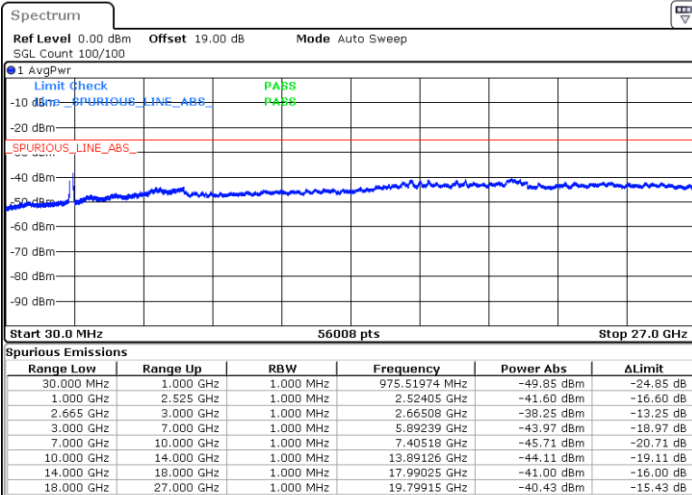


Date: 18.JAN.2023 11:05:47

Date: 18.JAN.2023 11:12:35

Middle Channel / FullRB

N/A



Date: 18.JAN.2023 11:04:25

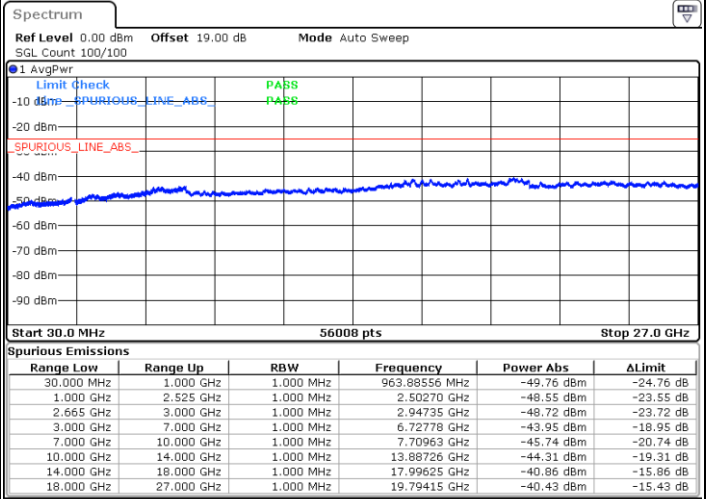
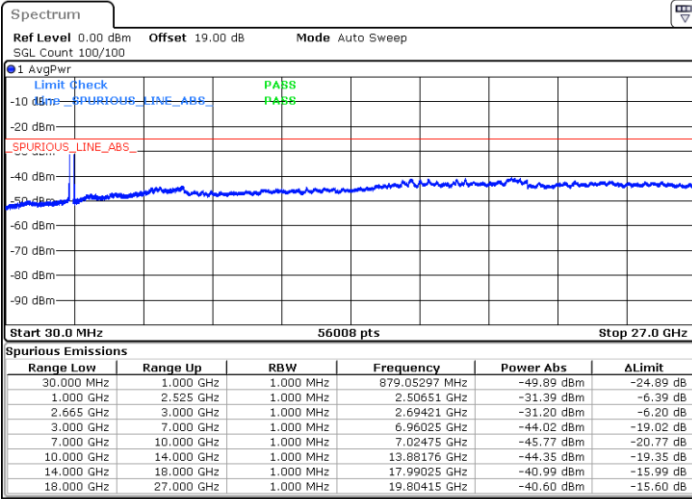


LTE Band 38C / 20MHz+20MHz

64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0

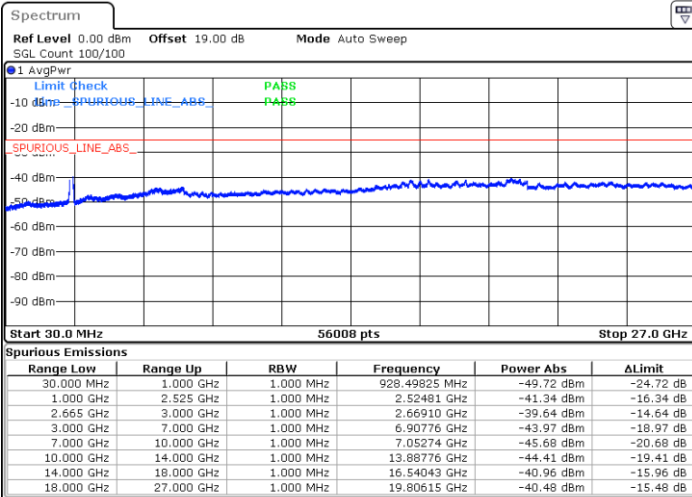


Date: 18.JAN.2023 10:41:11

Date: 18.JAN.2023 10:39:49

Highest Channel / FullIRB

N/A



Date: 18.JAN.2023 10:47:59



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

LTE Band 13 / 5MHz / QPSK / Ant.0									
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)
Lowest	1554.5	-65.51	-13	-52.51	-77.29	-68.74	3.98	9.36	H
	2331.75	-60.31	-13	-47.31	-78.93	-63.86	4.85	10.55	H
	3109	-58.83	-13	-45.83	-79.11	-63.76	5.50	12.58	H
	1554.5	-64.81	-13	-51.81	-77.21	-68.04	3.98	9.36	V
	2331.75	-60.22	-13	-47.22	-79.12	-63.77	4.85	10.55	V
	3109	-57.59	-13	-44.59	-79.60	-62.52	5.50	12.58	V
Middle	1559.5	-65.19	-42.15	-23.04	-76.97	-68.44	4.00	9.40	H
	2339.25	-60.33	-13	-47.33	-78.94	-63.90	4.88	10.60	H
	3119	-59.04	-13	-46.04	-79.36	-63.97	5.52	12.60	H
	1559.5	-64.52	-42.15	-22.37	-76.92	-67.77	4.00	9.40	V
	2339.25	-60.02	-13	-47.02	-79.00	-63.59	4.88	10.60	V
	3119	-57.09	-13	-44.09	-79.21	-62.02	5.52	12.60	V
Highest	1564.5	-65.31	-42.15	-23.16	-77.09	-68.48	4.10	9.42	H
	2346.75	-60.70	-13	-47.70	-79.31	-64.28	4.90	10.63	H
	3129	-59.16	-13	-46.16	-79.48	-64.08	5.55	12.62	H
	1564.5	-64.60	-42.15	-22.45	-77.00	-67.77	4.10	9.42	V
	2346.75	-60.47	-13	-47.47	-79.45	-64.05	4.90	10.63	V
	3129	-57.54	-13	-44.54	-79.66	-62.46	5.55	12.62	V

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



LTE Band 13 / 10MHz / QPSK / Ant.0									
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	1559.5	-64.37	-42.15	-22.22	-76.15	-67.62	4.00	9.40	H
	2339.25	-59.63	-13	-46.63	-78.24	-63.20	4.88	10.60	H
	3119	-58.65	-13	-45.65	-78.97	-63.58	5.52	12.60	H
	1559.5	-63.63	-42.15	-21.48	-76.03	-66.88	4.00	9.40	V
	2339.25	-59.80	-13	-46.80	-78.78	-63.37	4.88	10.60	V
	3119	-56.72	-13	-43.72	-78.84	-61.65	5.52	12.60	V

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

LTE Band 25 / 20MHz / QPSK / Ant.3									
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)
Lowest	3702	-55.13	-13	-42.13	-78.31	-61.89	5.82	12.58	H
	5553	-52.65	-13	-39.65	-77.40	-58.37	7.28	13.00	H
	7404	-53.49	-13	-40.49	-80.87	-56.65	8.32	11.48	H
	3702	-52.91	-13	-39.91	-77.78	-59.67	5.82	12.58	V
	5553	-53.99	-13	-40.99	-79.17	-59.71	7.28	13.00	V
	7404	-53.41	-13	-40.41	-80.76	-56.57	8.32	11.48	V
Middle	3747	-54.85	-13	-41.85	-77.34	-61.60	5.85	12.60	H
	5620.5	-54.64	-13	-41.64	-79.14	-60.44	7.30	13.10	H
	7494	-54.23	-13	-41.23	-81.23	-57.38	8.35	11.50	H
	3747	-51.79	-13	-38.79	-77.44	-58.54	5.85	12.60	V
	5620.5	-50.07	-13	-37.07	-75.07	-55.87	7.30	13.10	V
	7494	-54.07	-13	-41.07	-81.06	-57.22	8.35	11.50	V
Highest	3792	-55.82	-13	-42.82	-79.18	-62.56	5.88	12.62	H
	5688	-54.49	-13	-41.49	-79.15	-60.30	7.32	13.13	H
	7584	-54.52	-13	-41.52	-81.22	-57.68	8.38	11.54	H
	3792	-54.51	-13	-41.51	-79.36	-61.25	5.88	12.62	V
	5688	-56.28	-13	-43.28	-81.29	-62.09	7.32	13.13	V
	7584	-54.23	-13	-41.23	-80.93	-57.39	8.38	11.54	V

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



LTE Band 66 / 20MHz / QPSK / Ant.1									
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)
Lowest	3422	-57.06	-13	-44.06	-77.93	-63.94	5.60	12.48	H
	5133	-56.83	-13	-43.83	-81.29	-62.51	7.10	12.78	H
	6844	-55.52	-13	-42.52	-81.58	-58.91	8.38	11.77	H
	3422	-56.06	-13	-43.06	-78.13	-62.94	5.60	12.48	V
	5133	-56.20	-13	-43.20	-81.4	-61.88	7.10	12.78	V
	6844	-53.49	-13	-40.49	-81.38	-56.88	8.38	11.77	V
Middle	3472	-56.62	-13	-43.62	-78.87	-63.47	5.65	12.50	H
	5208	-50.22	-13	-37.22	-75.13	-55.89	7.13	12.80	H
	6944	-55.32	-13	-42.32	-81.65	-58.72	8.40	11.80	H
	3472	-56.03	-13	-43.03	-78.08	-62.88	5.65	12.50	V
	5208	-56.66	-13	-43.66	-81.74	-62.33	7.13	12.80	V
	6944	-54.32	-13	-41.32	-81.38	-57.72	8.40	11.80	V
Highest	3522	-56.59	-13	-43.59	-79.21	-63.43	5.68	12.52	H
	5283	-55.26	-13	-42.26	-80.31	-60.93	7.15	12.82	H
	7044	-53.96	-13	-40.96	-80.61	-57.39	8.42	11.85	H
	3522	-54.76	-13	-41.76	-77.78	-61.60	5.68	12.52	V
	5283	-56.94	-13	-43.94	-81.78	-62.61	7.15	12.82	V
	7044	-53.39	-13	-40.39	-80.71	-56.82	8.42	11.85	V

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



LTE Band 38C_CA / 20MHz+20MHz / QPSK / Ant.2									
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)
Lowest	5179.80	-57.19	-25	-32.19	-81.95	-62.75	7.12	12.68	H
	7769.70	-54.74	-25	-29.74	-80.93	-58.07	8.26	11.59	H
	10359.60	-50.76	-25	-25.76	-82.00	-52.29	10.45	11.98	H
	5179.80	-56.72	-25	-31.72	-81.87	-62.28	7.12	12.68	V
	7769.70	-51.20	-25	-26.20	-80.82	-54.53	8.26	11.59	V
	10359.60	-49.45	-25	-24.45	-82.55	-50.98	10.45	11.98	V
Middle	5190.00	-57.07	-25	-32.07	-81.83	-62.63	7.14	12.70	H
	7785.00	-54.70	-25	-29.70	-80.85	-58.00	8.30	11.60	H
	10380.00	-50.94	-25	-25.94	-82.20	-52.46	10.48	12.00	H
	5190.00	-56.75	-25	-31.75	-81.9	-62.31	7.14	12.70	V
	7785.00	-50.88	-25	-25.88	-80.8	-54.18	8.30	11.60	V
	10380.00	-49.10	-25	-24.10	-82.27	-50.62	10.48	12.00	V
Highest	5200.00	-57.05	-25	-32.05	-81.90	-62.61	7.16	12.72	H
	7800.00	-55.13	-25	-30.13	-81.23	-58.43	8.33	11.63	H
	10400.00	-50.79	-25	-25.79	-82.07	-52.39	10.50	12.10	H
	5200.00	-56.89	-25	-31.89	-82.01	-62.45	7.16	12.72	V
	7800.00	-50.55	-25	-25.55	-80.76	-53.85	8.33	11.63	V
	10400.00	-49.27	-25	-24.27	-82.52	-50.87	10.50	12.10	V

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