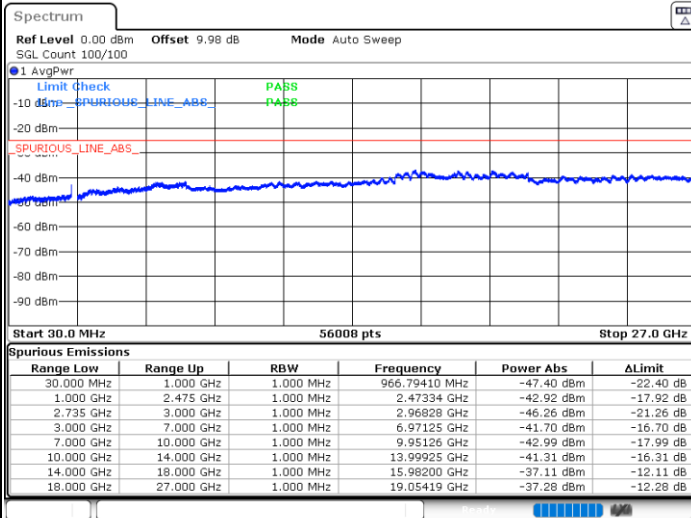




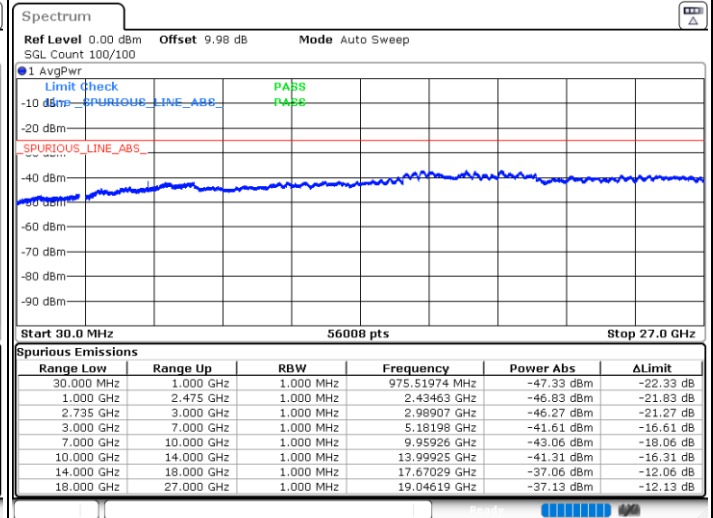
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

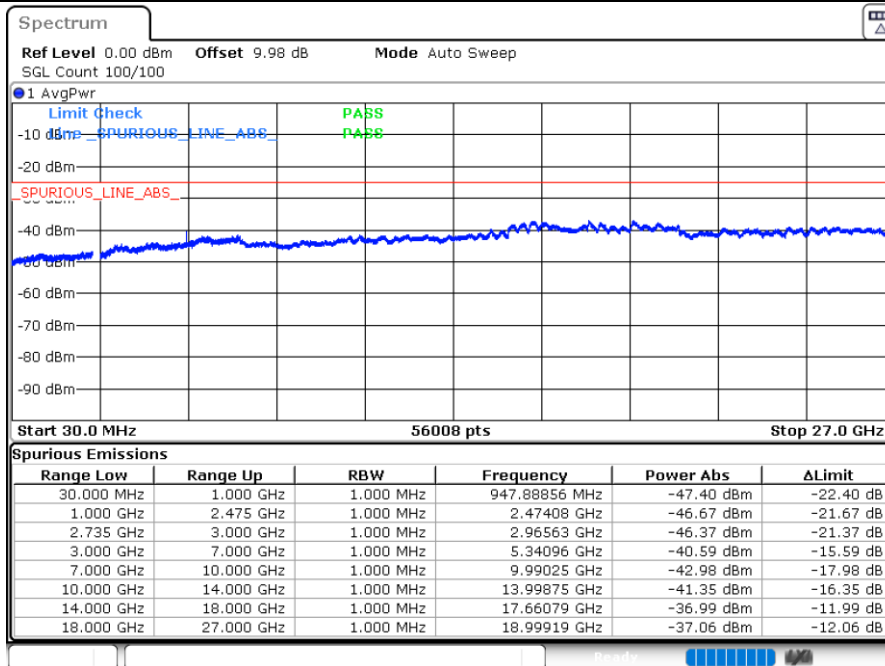


Date: 12.JUN.2024 13:48:33



Date: 12.JUN.2024 14:00:45

Highest Channel / QPSK



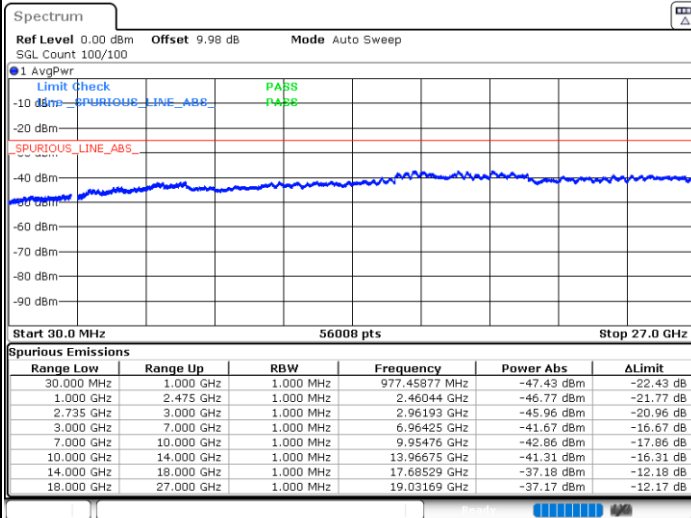
Date: 12.JUN.2024 14:02:59



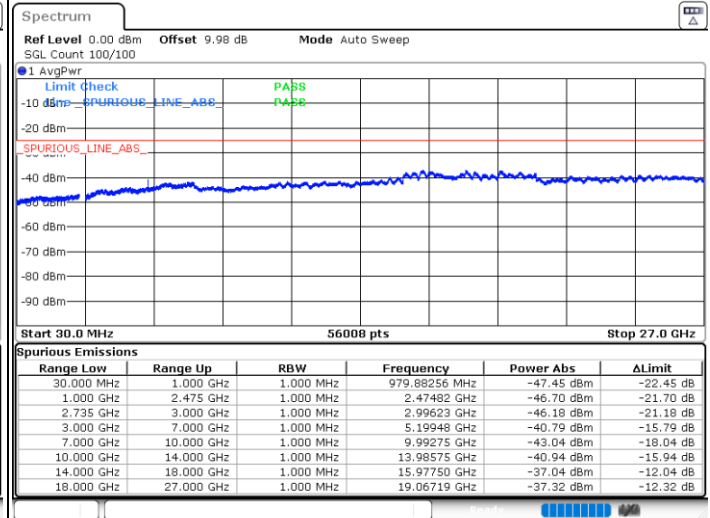
LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

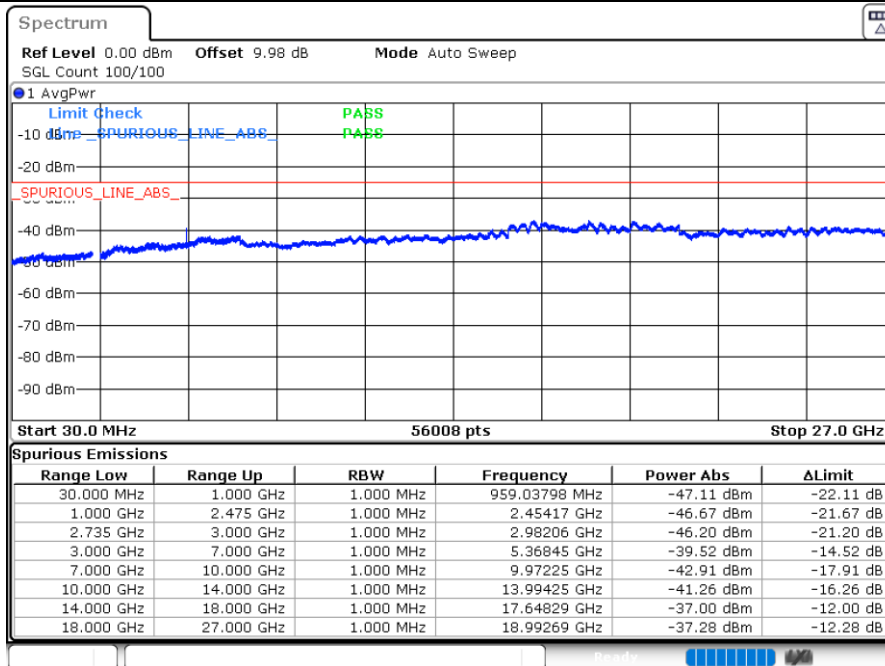


Date: 12.JUN.2024 14:15:47



Date: 12.JUN.2024 14:27:42

Highest Channel / QPSK



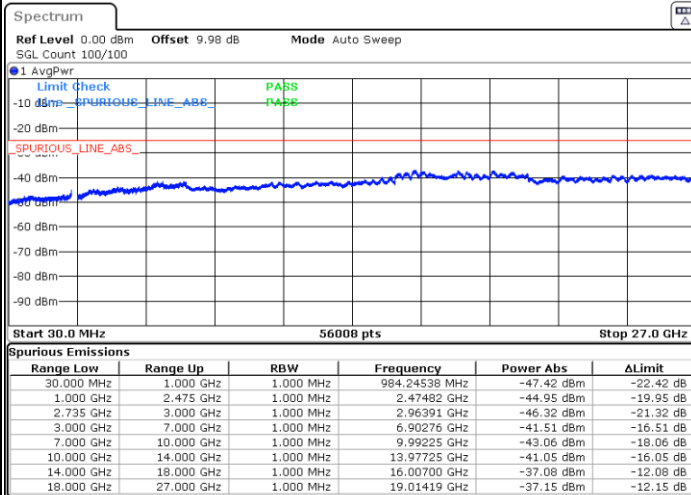
Date: 12.JUN.2024 14:29:56



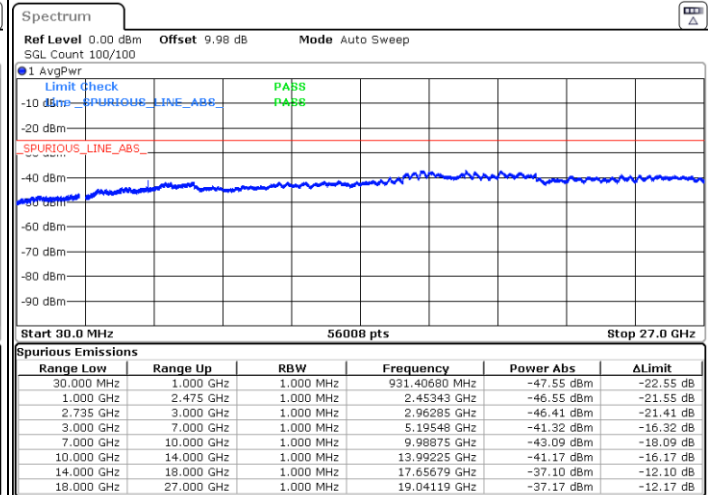
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

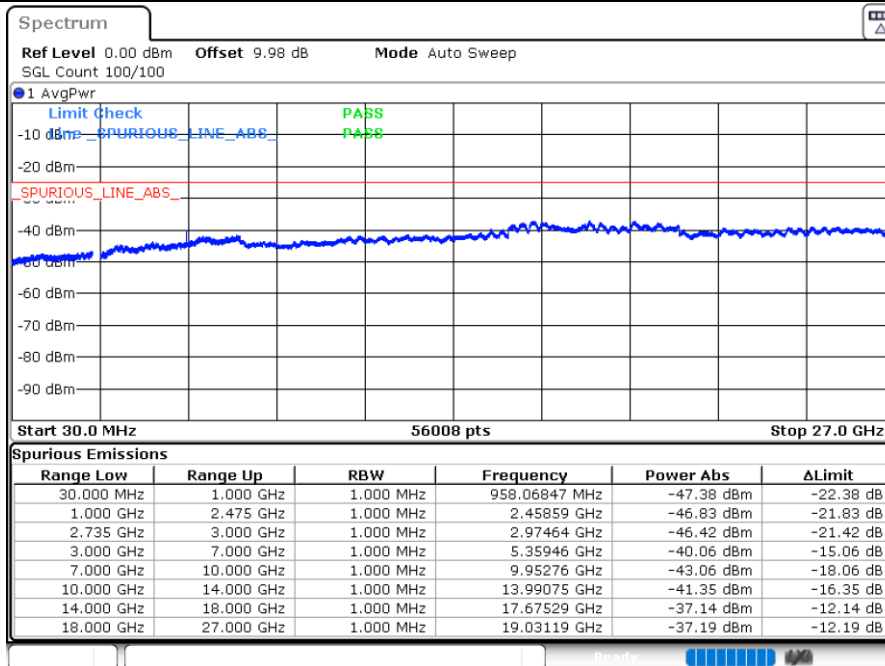


Date: 12.JUN.2024 14:42:05



Date: 12.JUN.2024 14:54:16

Highest Channel / QPSK



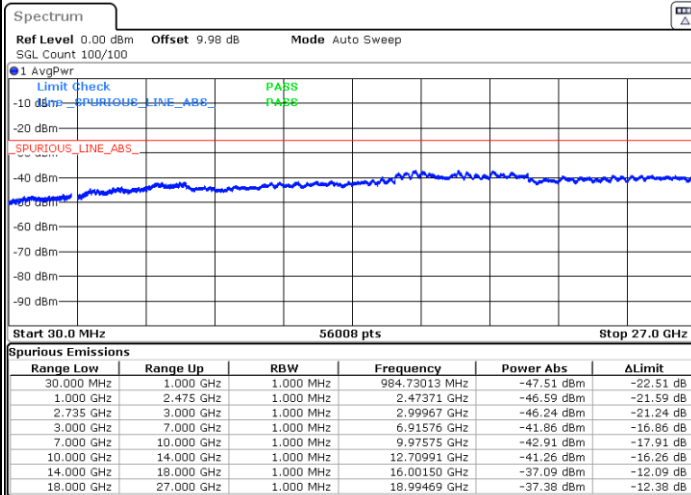
Date: 12.JUN.2024 14:56:29



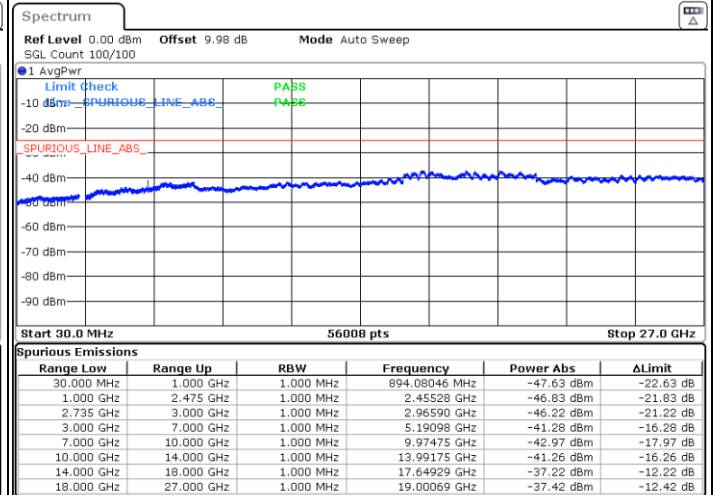
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

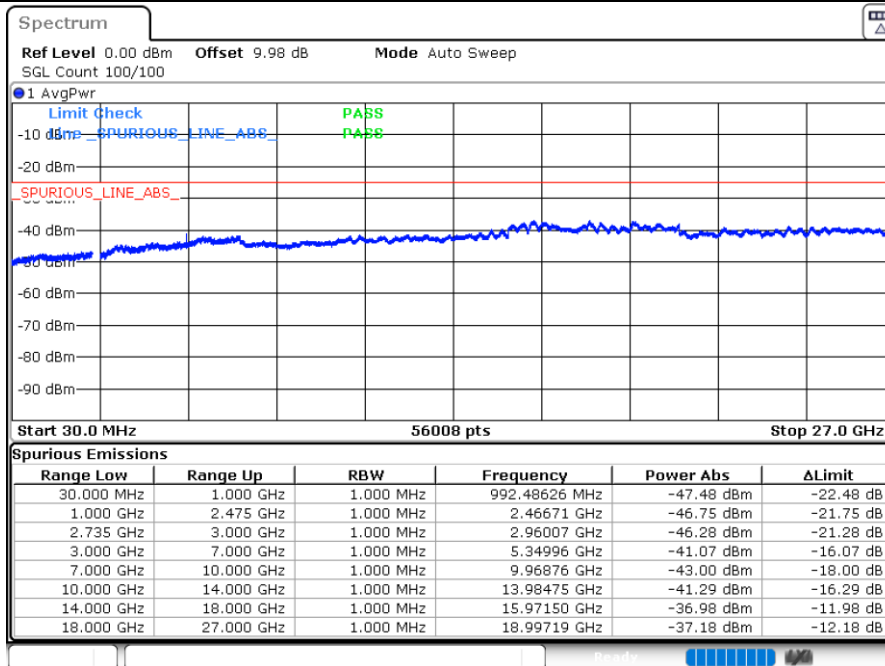


Date: 12.JUN.2024 15:08:38



Date: 12.JUN.2024 15:20:48

Highest Channel / QPSK



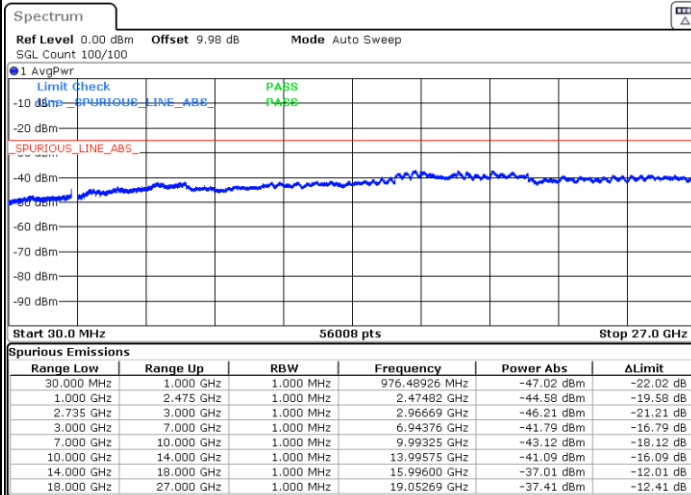
Date: 12.JUN.2024 15:23:02



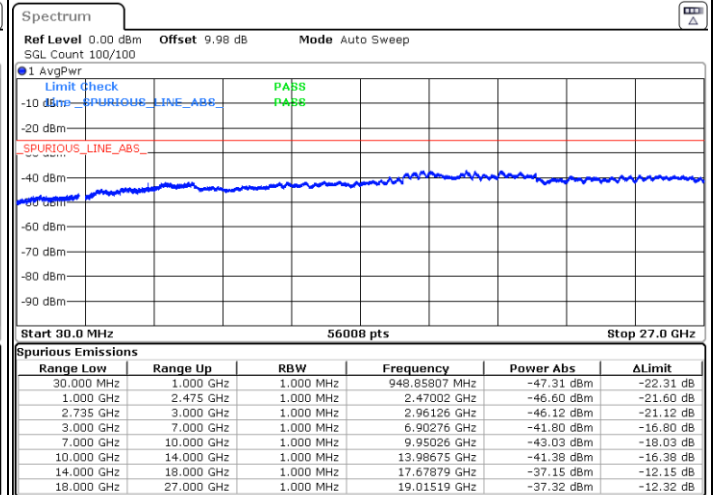
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

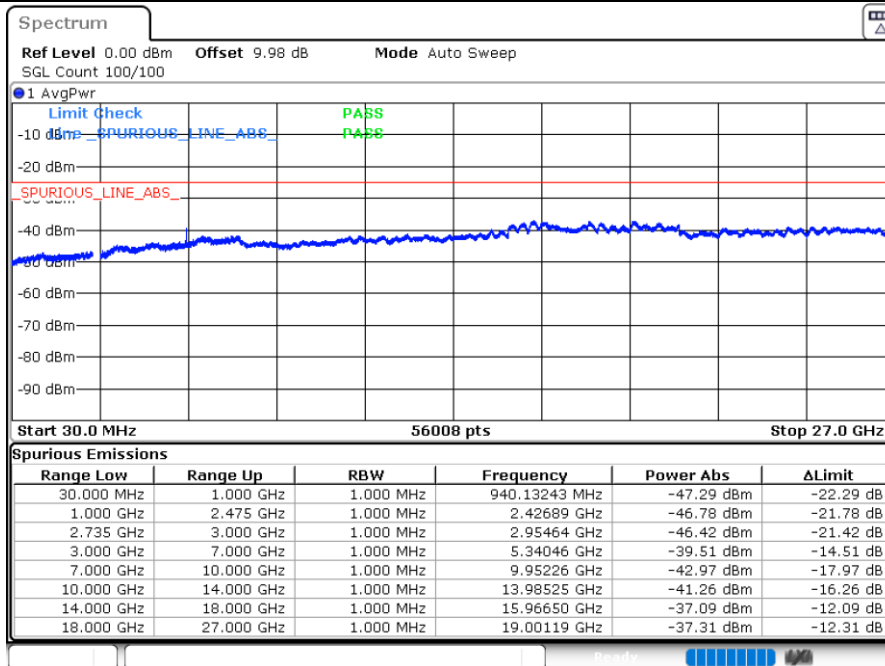


Date: 12.JUN.2024 15:35:12



Date: 12.JUN.2024 15:47:27

Highest Channel / QPSK



Date: 12.JUN.2024 15:49:42

Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.85 V. ; Minimum Voltage =3.5 V. ; Maximum Voltage =4.41 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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 / 20MHz / QPSK / ANT3								
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	5008	-62.78	-25	-37.78	-72.99	3.03	13.24	H
	7500	-60.04	-25	-35.04	-69.49	3.56	13.01	H
	10006	-60.15	-25	-35.15	-69.67	3.92	13.44	H
	5008	-62.92	-25	-37.92	-73.13	3.03	13.24	V
	7500	-61.74	-25	-36.74	-71.19	3.56	13.01	V
	10006	-58.29	-25	-33.29	-67.81	3.92	13.44	V
Middle	5050	-62.68	-25	-37.68	-72.89	3.03	13.24	H
	7584	-60.56	-25	-35.56	-70.01	3.56	13.01	H
	10104	-61.01	-25	-36.01	-70.53	3.92	13.44	H
	12624	-60.51	-25	-35.51	-70.43	4.44	14.36	H
	5050	-62.73	-25	-37.73	-72.94	3.03	13.24	V
	7584	-58.75	-25	-33.75	-68.20	3.56	13.01	V
	10104	-59.07	-25	-34.07	-68.59	3.92	13.44	V
	12624	-58.68	-25	-33.68	-68.60	4.44	14.36	V
Highest	5106	-62.41	-25	-37.41	-72.62	3.03	13.24	H
	7654	-56.37	-25	-31.37	-65.82	3.56	13.01	H
	10202	-61.47	-25	-36.47	-70.99	3.92	13.44	H
	12750	-59.78	-25	-34.78	-69.70	4.44	14.36	H
	5106	-63.21	-25	-38.21	-73.42	3.03	13.24	V
	7654	-58.51	-25	-33.51	-67.96	3.56	13.01	V
	10202	-60.44	-25	-35.44	-69.96	3.92	13.44	V
	12750	-57.88	-25	-32.88	-67.80	4.44	14.36	V

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

LTE Band 7 / 20MHz / QPSK / ANT3 for Other PA								
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	5008	-61.39	-25	-36.39	-71.60	3.03	13.24	H
	7500	-56.11	-25	-31.11	-65.56	3.56	13.01	H
	10006	-52.46	-25	-27.46	-61.98	3.92	13.44	H
	5008	-60.91	-25	-35.91	-71.12	3.03	13.24	V
	7500	-55.71	-25	-30.71	-65.16	3.56	13.01	V
	10006	-52.13	-25	-27.13	-61.65	3.92	13.44	V



Middle	5050	-59.96	-25	-34.96	-70.17	3.03	13.24	H
	7584	-55.57	-25	-30.57	-65.02	3.56	13.01	H
	10104	-53.17	-25	-28.17	-62.69	3.92	13.44	H
	5050	-60.53	-25	-35.53	-70.74	3.03	13.24	V
	7584	-56.12	-25	-31.12	-65.57	3.56	13.01	V
	10104	-53.30	-25	-28.30	-62.82	3.92	13.44	V
Highest	5106	-59.89	-25	-34.89	-70.10	3.03	13.24	H
	7654	-53.68	-25	-28.68	-63.13	3.56	13.01	H
	10202	-52.15	-25	-27.15	-61.67	3.92	13.44	H
	12750	-47.09	-25	-22.09	-57.01	4.44	14.36	H
	5106	-59.49	-25	-34.49	-69.70	3.03	13.24	V
	7654	-53.57	-25	-28.57	-63.02	3.56	13.01	V
	10202	-51.71	-25	-26.71	-61.23	3.92	13.44	V
	12750	-47.69	-25	-22.69	-57.61	4.44	14.36	V

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

LTE Band 41 / 20MHz / QPSK / ANT3								
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	4994	-62.85	-25	-37.85	-73.06	3.03	13.24	H
	7486	-57.02	-25	-32.02	-66.47	3.56	13.01	H
	9992	-61.06	-25	-36.06	-70.58	3.92	13.44	H
	12484	-59.14	-25	-34.14	-69.06	4.44	14.36	H
	4994	-62.55	-25	-37.55	-72.76	3.03	13.24	V
	7486	-60.71	-25	-35.71	-70.16	3.56	13.01	V
	9992	-58.60	-25	-33.60	-68.12	3.92	13.44	V
	12484	-57.96	-25	-32.96	-67.88	4.44	14.36	V
Middle	5162	-61.19	-25	-36.19	-71.40	3.03	13.24	H
	7752	-55.42	-25	-30.42	-64.87	3.56	13.01	H
	10342	-61.36	-25	-36.36	-70.88	3.92	13.44	H
	12918	-56.15	-25	-31.15	-66.07	4.44	14.36	H
	5162	-62.81	-25	-37.81	-73.02	3.03	13.24	V
	7752	-55.74	-25	-30.74	-65.19	3.56	13.01	V
	10342	-61.67	-25	-36.67	-71.19	3.92	13.44	V
	12918	-55.19	-25	-30.19	-65.11	4.44	14.36	V
Highest	5344	-62.68	-25	-37.68	-72.89	3.03	13.24	H
	8018	-50.46	-25	-25.46	-59.91	3.56	13.01	H
	10678	-61.39	-25	-36.39	-70.91	3.92	13.44	H
	5344	-63.13	-25	-38.13	-73.34	3.03	13.24	V
	8018	-52.54	-25	-27.54	-61.99	3.56	13.01	V
	10678	-59.49	-25	-34.49	-69.01	3.92	13.44	V

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



LTE Band 7C / 20MHz+20MHz / QPSK / ANT3								
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	5008	-62.69	-25	-37.69	-72.90	3.03	13.24	H
	7500	-63.17	-25	-38.17	-72.62	3.56	13.01	H
	10006	-61.52	-25	-36.52	-71.04	3.92	13.44	H
	5036	-63.31	-25	-38.31	-73.52	3.03	13.24	H
	7556	-62.80	-25	-37.80	-72.25	3.56	13.01	H
	10090	-62.09	-25	-37.09	-71.61	3.92	13.44	H
	5008	-63.57	-25	-38.57	-73.78	3.03	13.24	V
	7500	-63.18	-25	-38.18	-72.63	3.56	13.01	V
	10006	-62.58	-25	-37.58	-72.10	3.92	13.44	V
	5036	-63.16	-25	-38.16	-73.37	3.03	13.24	V
	7556	-63.17	-25	-38.17	-72.62	3.56	13.01	V
	10090	-62.16	-25	-37.16	-71.68	3.92	13.44	V
Middle	5036	-62.38	-25	-37.38	-72.59	3.03	13.24	H
	7542	-62.56	-25	-37.56	-72.01	3.56	13.01	H
	10062	-62.73	-25	-37.73	-72.25	3.92	13.44	H
	5078	-62.98	-25	-37.98	-73.19	3.03	13.24	H
	7612	-62.15	-25	-37.15	-71.60	3.56	13.01	H
	10146	-62.71	-25	-37.71	-72.23	3.92	13.44	H
	5036	-62.76	-25	-37.76	-72.97	3.03	13.24	V
	7542	-62.80	-25	-37.80	-72.25	3.56	13.01	V
	10062	-62.97	-25	-37.97	-72.49	3.92	13.44	V
	5078	-62.84	-25	-37.84	-73.05	3.03	13.24	V
	7612	-61.50	-25	-36.50	-70.95	3.56	13.01	V
	10146	-62.48	-25	-37.48	-72.00	3.92	13.44	V
Highest	5064	-63.64	-25	-38.64	-73.85	3.03	13.24	H
	7598	-62.71	-25	-37.71	-72.16	3.56	13.01	H
	10132	-62.07	-25	-37.07	-71.59	3.92	13.44	H
	5106	-63.40	-25	-38.40	-73.61	3.03	13.24	H
	7654	-62.17	-25	-37.17	-71.62	3.56	13.01	H
	10202	-61.93	-25	-36.93	-71.45	3.92	13.44	H
	5064	-63.80	-25	-38.80	-74.01	3.03	13.24	V
	7598	-62.88	-25	-37.88	-72.33	3.56	13.01	V
	10132	-62.00	-25	-37.00	-71.52	3.92	13.44	V
	5106	-63.30	-25	-38.30	-73.51	3.03	13.24	V
	7654	-61.97	-25	-36.97	-71.42	3.56	13.01	V
	10202	-62.15	-25	-37.15	-71.67	3.92	13.44	V

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



LTE Band 38C / 20MHz+20MHz / QPSK / ANT3								
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	5148	-63.21	-25	-38.21	-73.42	3.03	13.24	H
	7710	-62.20	-25	-37.20	-71.65	3.56	13.01	H
	10286	-61.88	-25	-36.88	-71.40	3.92	13.44	H
	5176	-63.53	-25	-38.53	-73.74	3.03	13.24	H
	7766	-62.75	-25	-37.75	-72.20	3.56	13.01	H
	10370	-61.80	-25	-36.80	-71.32	3.92	13.44	H
	5148	-63.43	-25	-38.43	-73.64	3.03	13.24	V
	7710	-61.90	-25	-36.90	-71.35	3.56	13.01	V
	10286	-61.51	-25	-36.51	-71.03	3.92	13.44	V
	5176	-63.61	-25	-38.61	-73.82	3.03	13.24	V
	7766	-62.59	-25	-37.59	-72.04	3.56	13.01	V
	10370	-62.14	-25	-37.14	-71.66	3.92	13.44	V
Middle	5148	-63.01	-25	-38.01	-73.22	3.03	13.24	H
	7724	-62.07	-25	-37.07	-71.52	3.56	13.01	H
	10300	-61.64	-25	-36.64	-71.16	3.92	13.44	H
	5190	-63.83	-25	-38.83	-74.04	3.03	13.24	H
	7794	-62.75	-25	-37.75	-72.20	3.56	13.01	H
	10384	-61.70	-25	-36.70	-71.22	3.92	13.44	H
	5148	-63.59	-25	-38.59	-73.80	3.03	13.24	V
	7724	-62.07	-25	-37.07	-71.52	3.56	13.01	V
	10300	-62.02	-25	-37.02	-71.54	3.92	13.44	V
	5190	-63.74	-25	-38.74	-73.95	3.03	13.24	V
	7794	-62.76	-25	-37.76	-72.21	3.56	13.01	V
	10384	-62.01	-25	-37.01	-71.53	3.92	13.44	V
Highest	5162	-63.33	-25	-38.33	-73.54	3.03	13.24	H
	7738	-62.73	-25	-37.73	-72.18	3.56	13.01	H
	10328	-61.69	-25	-36.69	-71.21	3.92	13.44	H
	5204	-63.73	-25	-38.73	-73.94	3.03	13.24	H
	7808	-62.37	-25	-37.37	-71.82	3.56	13.01	H
	10398	-61.73	-25	-36.73	-71.25	3.92	13.44	H
	5162	-63.54	-25	-38.54	-73.75	3.03	13.24	V
	7738	-62.12	-25	-37.12	-71.57	3.56	13.01	V
	10328	-61.73	-25	-36.73	-71.25	3.92	13.44	V
	5204	-63.75	-25	-38.75	-73.96	3.03	13.24	V
	7808	-62.25	-25	-37.25	-71.70	3.56	13.01	V
	10398	-62.24	-25	-37.24	-71.76	3.92	13.44	V

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



LTE Band 41C / 20MHz+20MHz / QPSK / ANT3								
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	4994	-62.34	-25	-37.34	-72.55	3.03	13.24	H
	7486	-62.94	-25	-37.94	-72.39	3.56	13.01	H
	9992	-63.17	-25	-38.17	-72.69	3.92	13.44	H
	5036	-62.84	-25	-37.84	-73.05	3.03	13.24	H
	7556	-63.13	-25	-38.13	-72.58	3.56	13.01	H
	10062	-62.96	-25	-37.96	-72.48	3.92	13.44	H
	4994	-62.29	-25	-37.29	-72.50	3.03	13.24	V
	7486	-62.93	-25	-37.93	-72.38	3.56	13.01	V
	9992	-63.47	-25	-38.47	-72.99	3.92	13.44	V
	5036	-62.84	-25	-37.84	-73.05	3.03	13.24	V
	7556	-62.69	-25	-37.69	-72.14	3.56	13.01	V
	10062	-63.33	-25	-38.33	-72.85	3.92	13.44	V
Middle	5148	-63.26	-25	-38.26	-73.47	3.03	13.24	H
	7724	-61.81	-25	-36.81	-71.26	3.56	13.01	H
	10300	-61.98	-25	-36.98	-71.50	3.92	13.44	H
	5190	-63.46	-25	-38.46	-73.67	3.03	13.24	H
	7780	-62.42	-25	-37.42	-71.87	3.56	13.01	H
	10370	-61.99	-25	-36.99	-71.51	3.92	13.44	H
	5148	-63.48	-25	-38.48	-73.69	3.03	13.24	V
	7724	-61.02	-25	-36.02	-70.47	3.56	13.01	V
	10300	-62.20	-25	-37.20	-71.72	3.92	13.44	V
	5190	-63.53	-25	-38.53	-73.74	3.03	13.24	V
	7780	-62.71	-25	-37.71	-72.16	3.56	13.01	V
	10370	-61.82	-25	-36.82	-71.34	3.92	13.44	V
Highest	5302	-64.43	-25	-39.43	-74.64	3.03	13.24	H
	7948	-61.17	-25	-36.17	-70.62	3.56	13.01	H
	10608	-62.86	-25	-37.86	-72.38	3.92	13.44	H
	5344	-64.84	-25	-39.84	-75.05	3.03	13.24	H
	8018	-62.92	-25	-37.92	-72.37	3.56	13.01	H
	10678	-62.61	-25	-37.61	-72.13	3.92	13.44	H
	5302	-64.28	-25	-39.28	-74.49	3.03	13.24	V
	7948	-62.41	-25	-37.41	-71.86	3.56	13.01	V
	10608	-62.91	-25	-37.91	-72.43	3.92	13.44	V
	5344	-64.31	-25	-39.31	-74.52	3.03	13.24	V
	8018	-63.22	-25	-38.22	-72.67	3.56	13.01	V
	10678	-63.13	-25	-38.13	-72.65	3.92	13.44	V

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