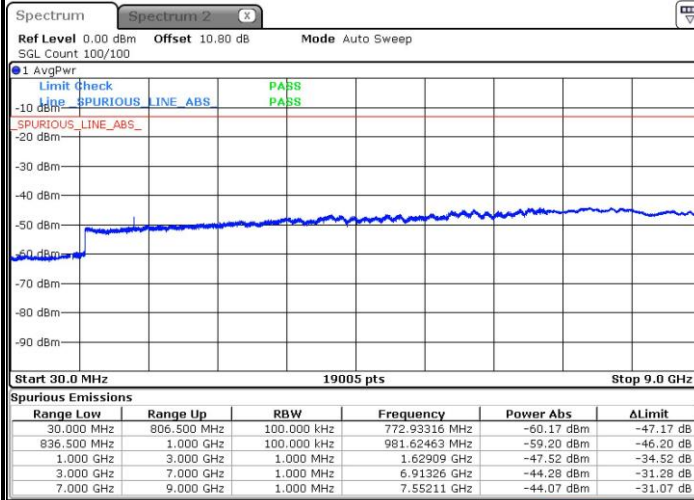




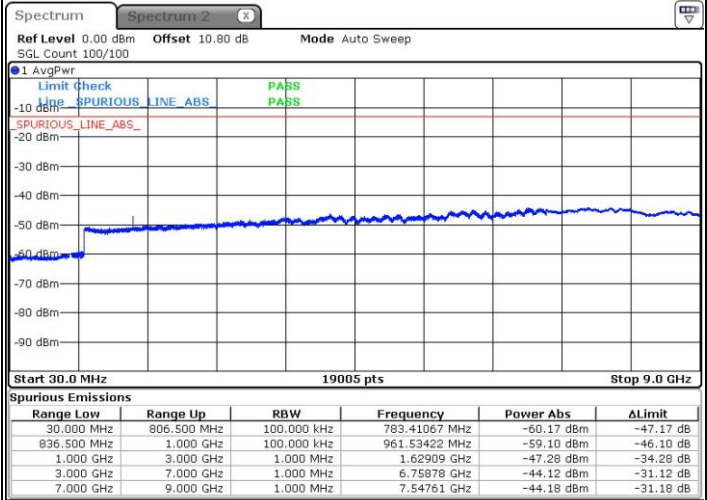
LTE Band 26 / 5MHz

Lowest Channel / QPSK



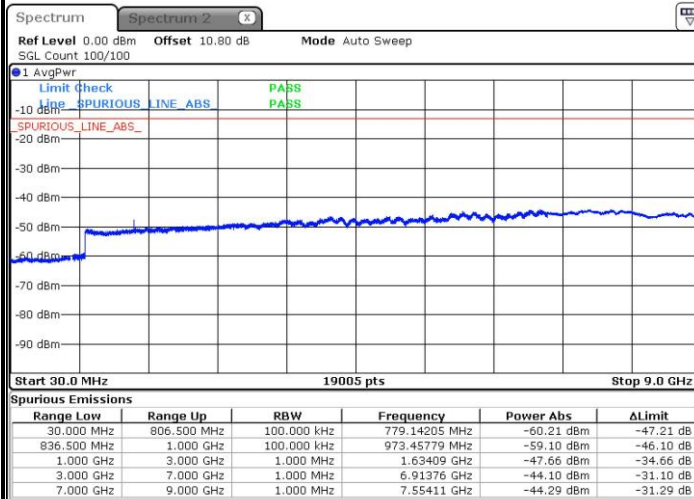
Date: 31.OCT.2018 20:53:47

Lowest Channel / 16QAM



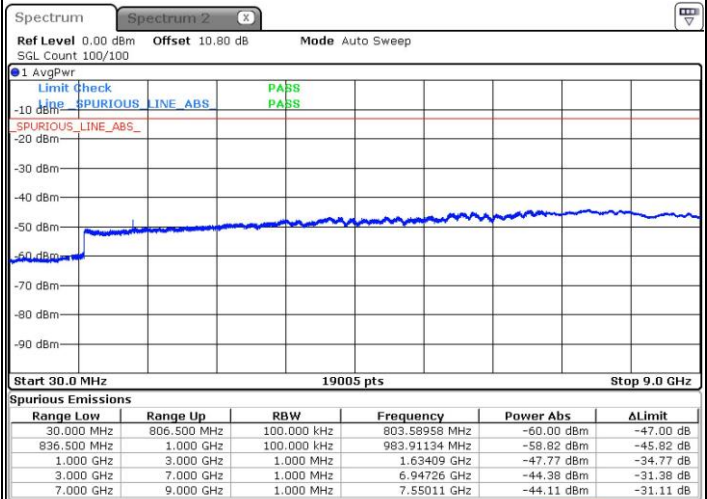
Date: 31.OCT.2018 20:54:39

Middle Channel / QPSK



Date: 31.OCT.2018 20:56:16

Middle Channel / 16QAM

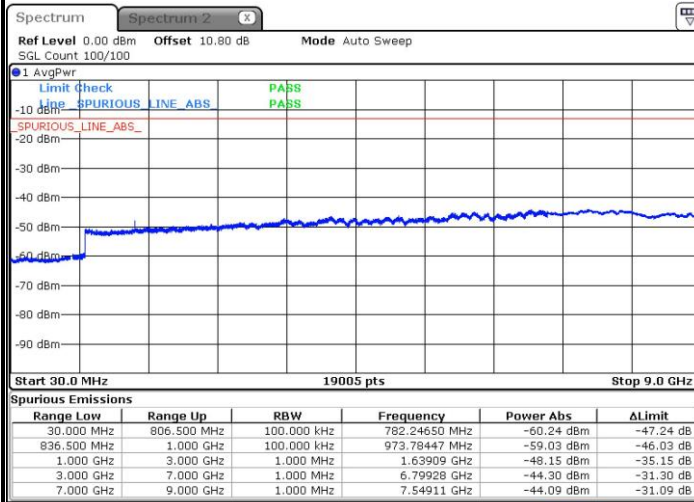


Date: 31.OCT.2018 20:57:08



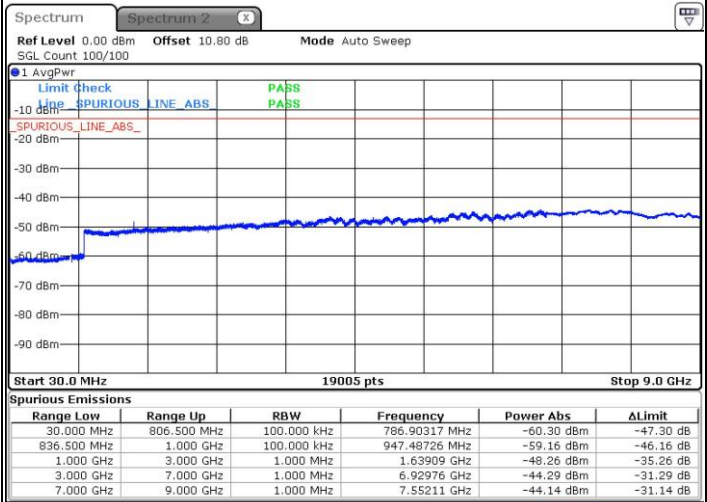
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 31.OCT.2018 20:58:45

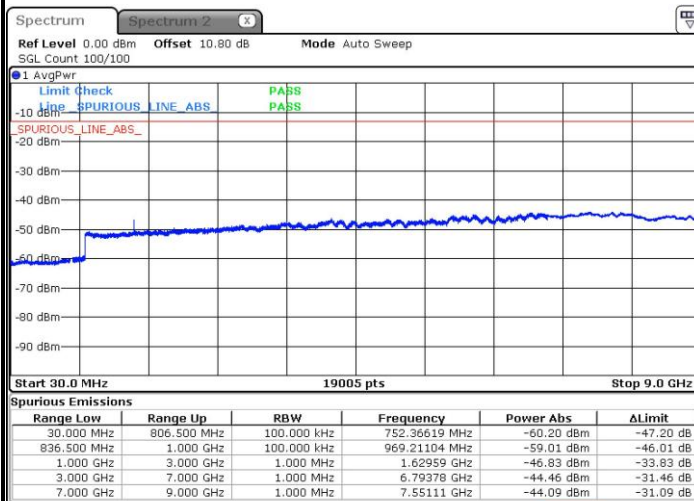
Highest Channel / 16QAM



Date: 31.OCT.2018 20:59:37

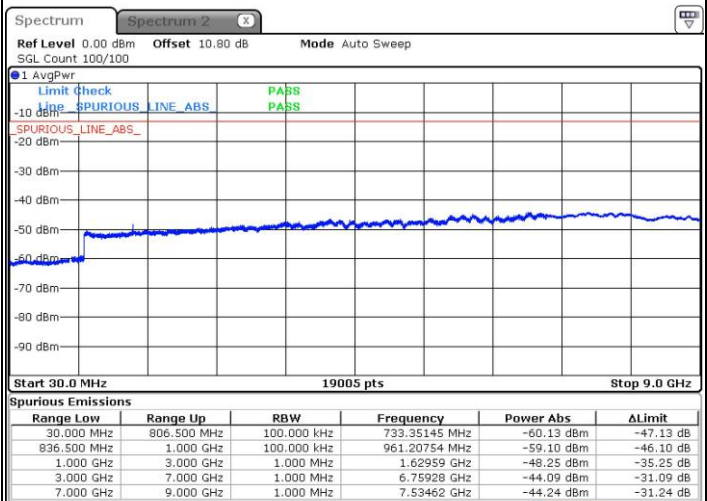
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 31.OCT.2018 21:01:15

Middle Channel / 16QAM

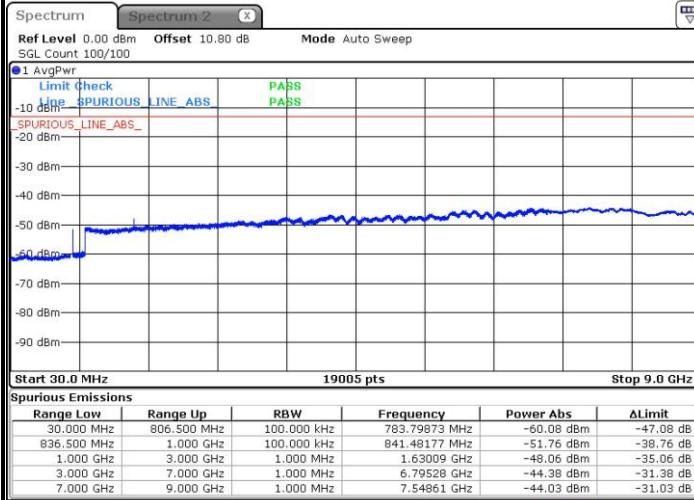


Date: 31.OCT.2018 21:02:06



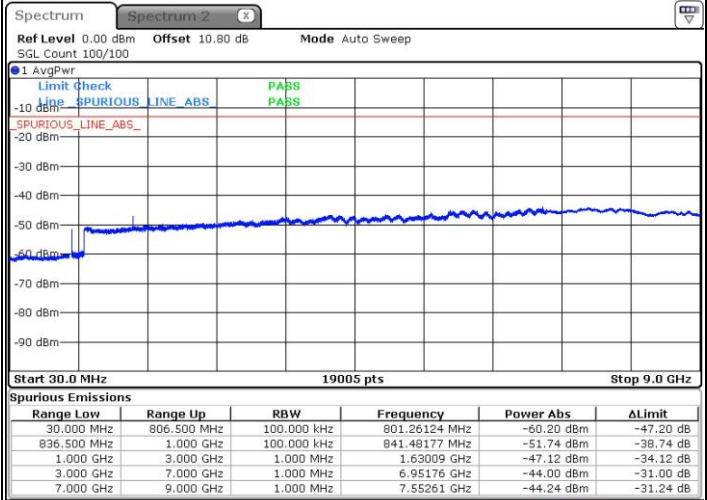
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 31.OCT.2018 21:03:44

Lowest Channel / 16QAM

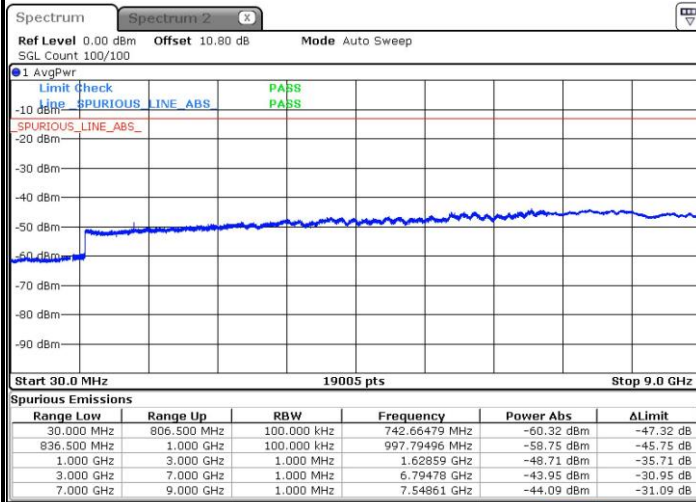


Date: 31.OCT.2018 21:04:35



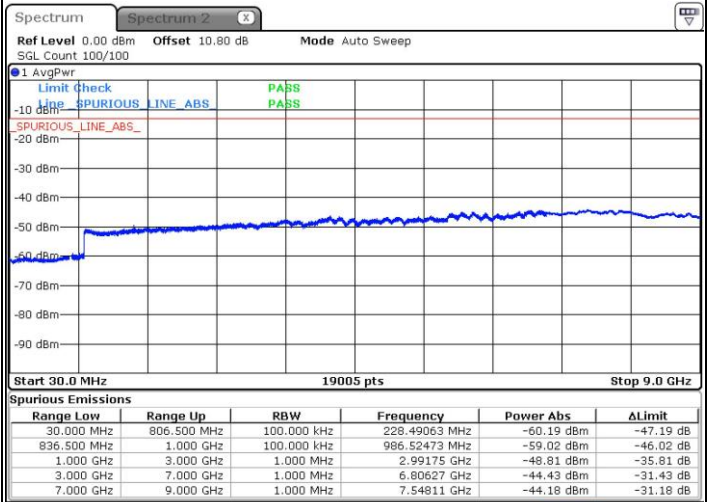
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



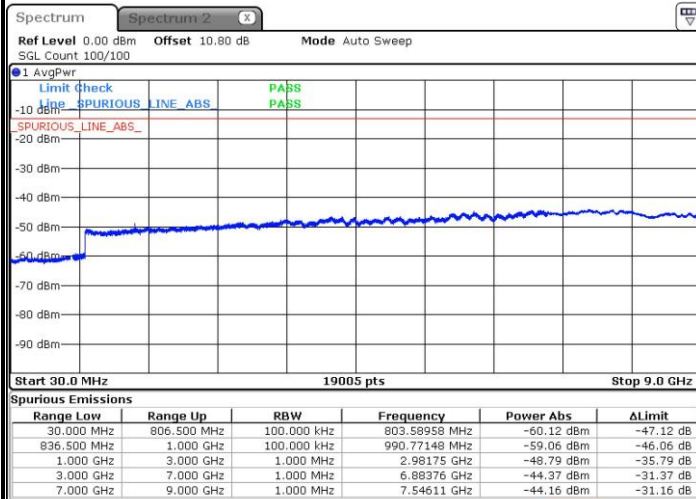
Date: 31.OCT.2018 20:42:13

Middle Channel / 64QAM



Date: 31.OCT.2018 20:43:27

Highest Channel / 64QAM

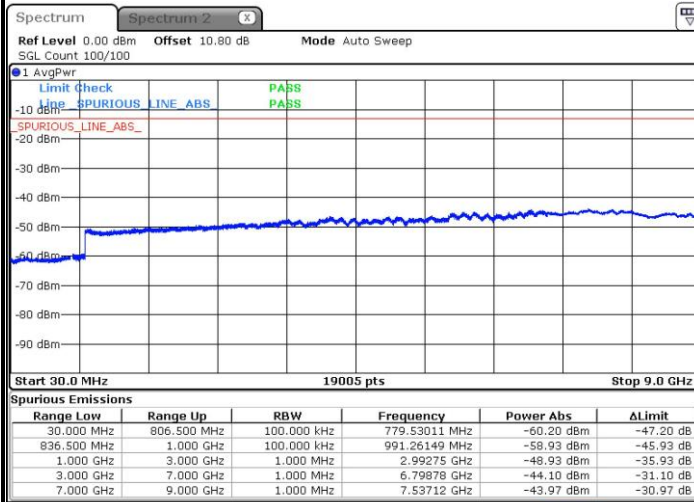


Date: 31.OCT.2018 20:44:42



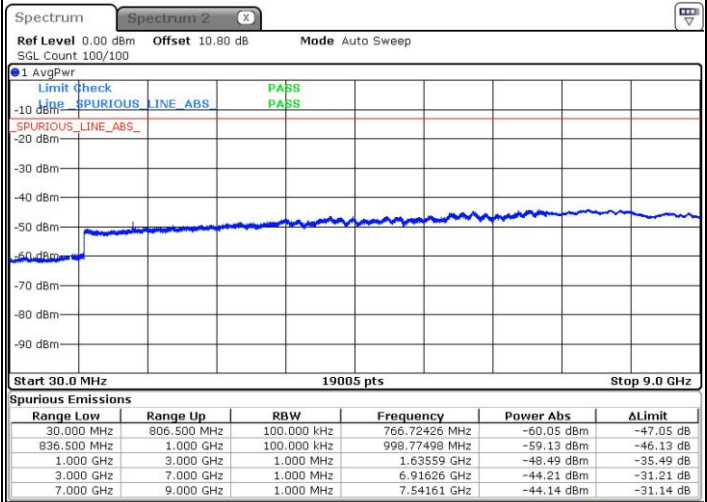
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



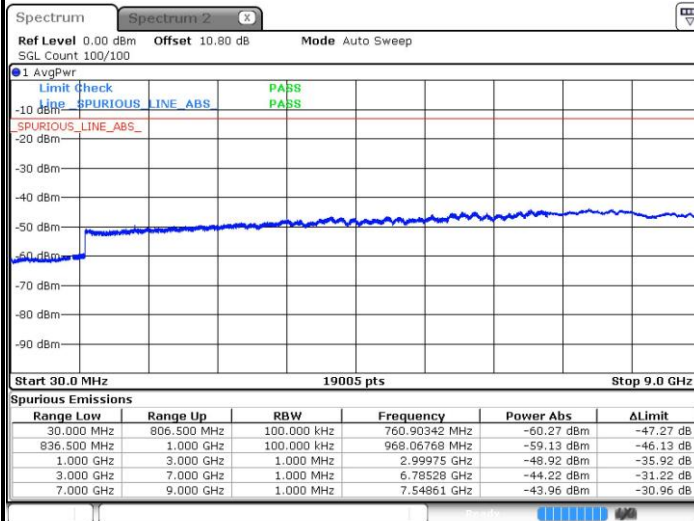
Date: 31.OCT.2018 20:29:01

Middle Channel / 64QAM



Date: 31.OCT.2018 20:30:15

Highest Channel / 64QAM

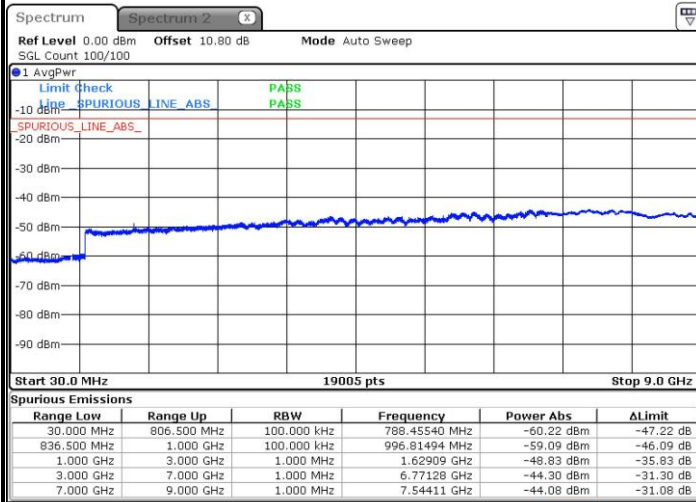


Date: 31.OCT.2018 20:31:30



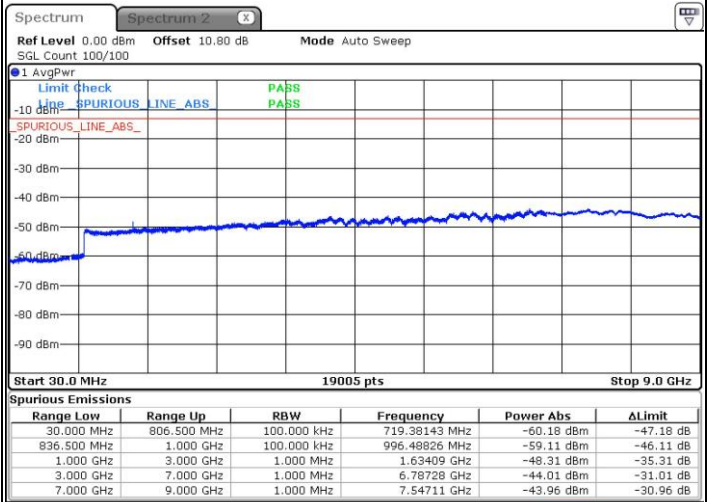
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



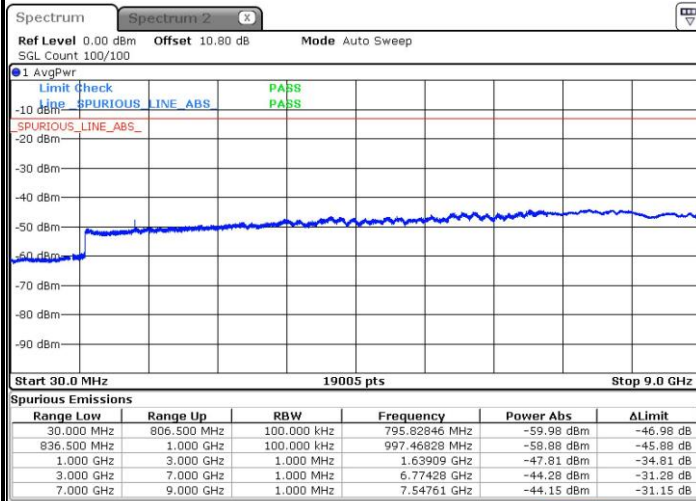
Date: 31.OCT.2018 20:32:45

Middle Channel / 64QAM



Date: 31.OCT.2018 20:33:59

Highest Channel / 64QAM

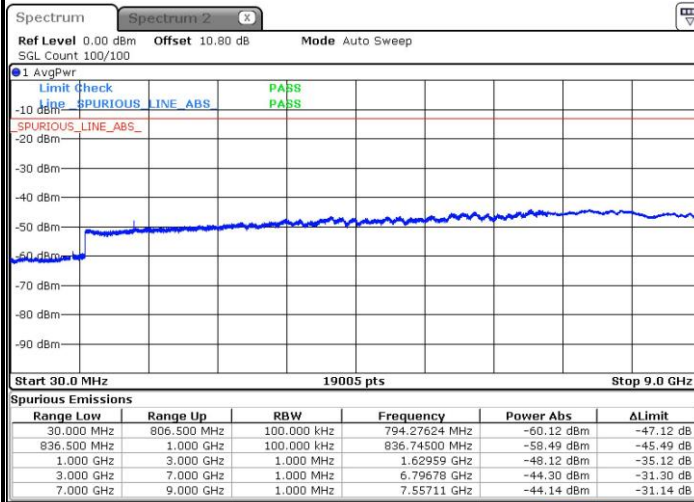


Date: 31.OCT.2018 20:35:14



LTE Band 26 / 10MHz

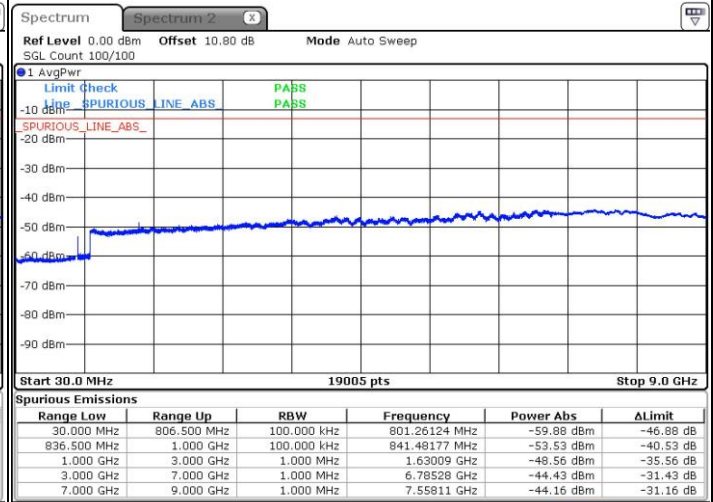
Middle Channel / 64QAM



Date: 31.OCT.2018 20:36:28

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 31.OCT.2018 20:37:43

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0066	
30	Normal Voltage	0.0068	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

<Reporting Only>

LTE Band 26 / 15MHz (Channel 26765) (Average) (GT - LC = -5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	74	24.99	0.3155	17.84	0.0608
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	23.84	0.2421	16.69	0.0467
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	22.87	0.1936	15.72	0.0373
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****LTE Band 26**

LTE Band 26 / 3MHz / QPSK									
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	1632	-52.92	-13	-39.92	-62.65	-59.84	0.52	9.59	H
	2448	-39.00	-13	-26.00	-52.51	-46.96	0.64	10.76	H
	3264	-58.04	-13	-45.04	-74.06	-67.03	0.75	11.89	H
									H
									H
									H
									H
									V
	1632	-54.18	-13	-41.18	-63.73	-61.1	0.52	9.59	V
	2448	-41.88	-13	-28.88	-55.94	-49.84	0.64	10.76	V
	3264	-57.84	-13	-44.84	-73.98	-66.83	0.75	11.89	V
									V
									V
									V
									V



Middle	1640	-46.64	-13	-33.64	-56.51	-53.57	0.52	9.61	H
	2456	-35.26	-13	-22.26	-48.76	-43.23	0.65	10.76	H
	3280	-58.13	-13	-45.13	-74.19	-67.17	0.75	11.94	H
	4096	-57.59	-13	-44.59	-74.98	-66.94	0.87	12.36	H
									H
									H
									H
	1640	-49.13	-13	-36.13	-58.71	-56.06	0.52	9.61	V
	2456	-37.85	-13	-24.85	-51.9	-45.82	0.65	10.76	V
	3280	-58.26	-13	-45.26	-74.37	-67.3	0.75	11.94	V
	4096	-55.60	-13	-42.60	-74.13	-64.95	0.87	12.36	V
									V
									V
									V
Highest	1648	-51.55	-13	-38.55	-60.97	-58.5	0.53	9.63	H
	2472	-37.32	-13	-24.32	-50.95	-45.3	0.65	10.78	H
	3296	-58.82	-13	-45.82	-74.39	-67.9	0.76	11.99	H
									H
									H
									H
									H
	1648	-52.65	-13	-39.65	-61.76	-59.6	0.53	9.63	V
	2472	-40.92	-13	-27.92	-54.3	-48.9	0.65	10.78	V
	3296	-59.02	-13	-46.02	-74.59	-68.1	0.76	11.99	V
									V
									V
									V
									V

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



LTE Band 26 / 10MHz / QPSK									
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	1648	-53.03	-13	-40.03	-62.91	-59.98	0.53	9.63	H
	2472	-37.94	-13	-24.94	-51.4	-45.92	0.65	10.78	H
	3296	-58.21	-13	-45.21	-74.32	-67.29	0.76	11.99	H
	4120	-57.81	-13	-44.81	-75.23	-67.15	0.86	12.35	H
									H
									H
									H
	1648	-59.78	-13	-46.78	-60.78	-66.73	0.53	9.63	V
	2472	-39.20	-13	-26.20	-53.15	-47.18	0.65	10.78	V
	3296	-58.51	-13	-45.51	-74.59	-67.59	0.76	11.99	V
	4120	-53.90	-13	-40.90	-72.5	-63.24	0.86	12.35	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20



LTE Band 26 / 15MHz / QPSK									
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	1656	-50.13	-13	-37.13	-59.89	-57.1	0.53	9.64	H
	2488	-30.91	-13	-17.91	-44.15	-38.9	0.65	10.79	H
	3316	-58.96	-13	-45.96	-74.65	-68.1	0.76	12.05	H
	4144	-55.86	-13	-42.86	-72.93	-65.2	0.85	12.34	H
									H
									H
									H
	1656	-52.83	-13	-39.83	-62.12	-59.8	0.53	9.64	V
	2488	-39.91	-13	-26.91	-53.48	-47.9	0.65	10.79	V
	3316	-58.76	-13	-45.76	-74.55	-67.9	0.76	12.05	V
	4144	-56.86	-13	-43.86	-75.19	-66.2	0.85	12.34	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20

—————THE END—————