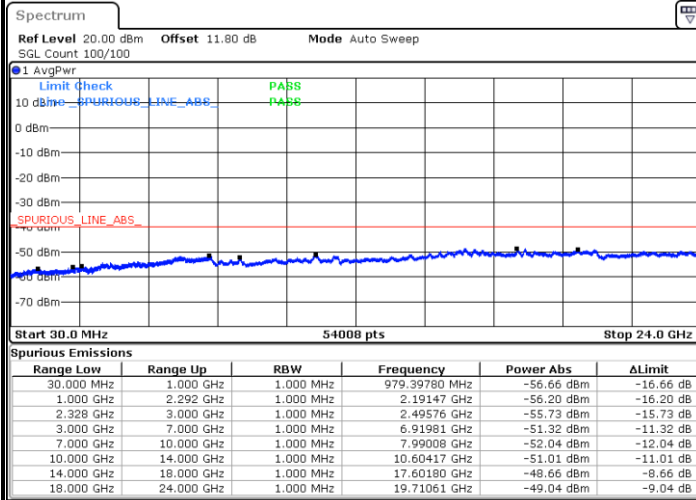




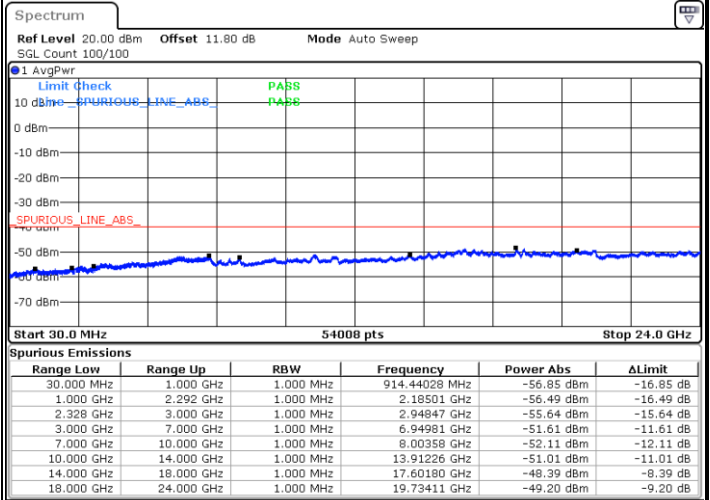
LTE Band 30 / 5MHz

Lowest Channel / 64QAM



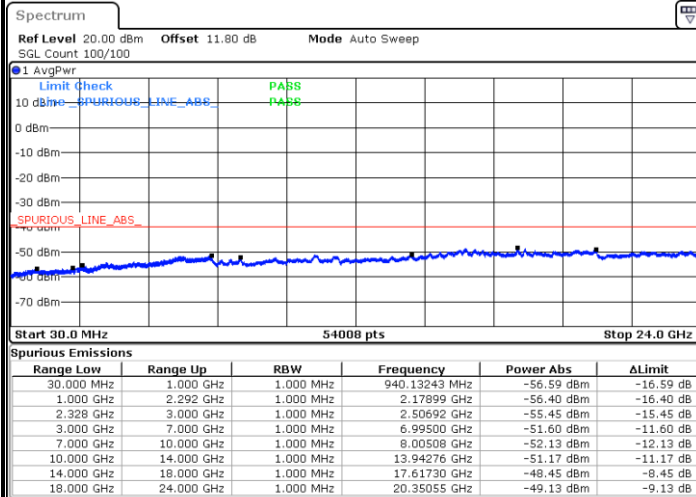
Date: 28.AUG.2020 14:16:24

Middle Channel / 64QAM



Date: 28.AUG.2020 14:17:12

Highest Channel / 64QAM

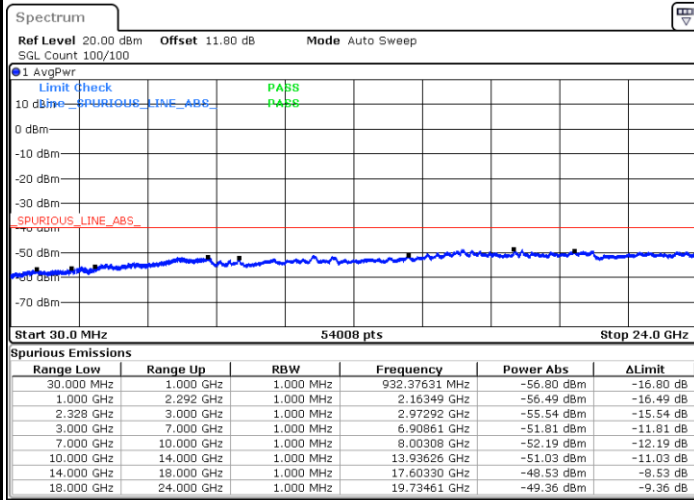


Date: 28.AUG.2020 14:18:00



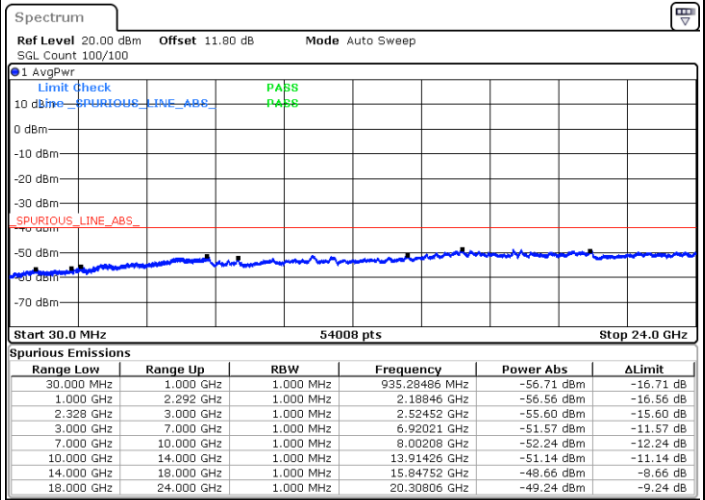
LTE Band 30 / 5MHz

Lowest Channel / 256QAM



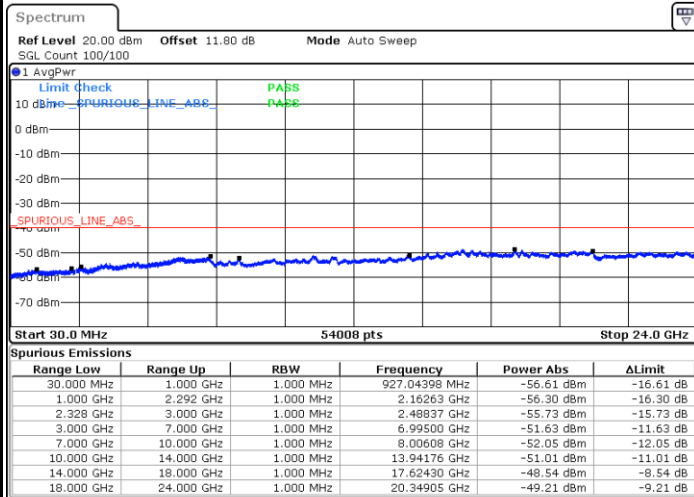
Date: 28.AUG.2020 14:31:27

Middle Channel / 256QAM



Date: 28.AUG.2020 14:35:34

Highest Channel / 256QAM

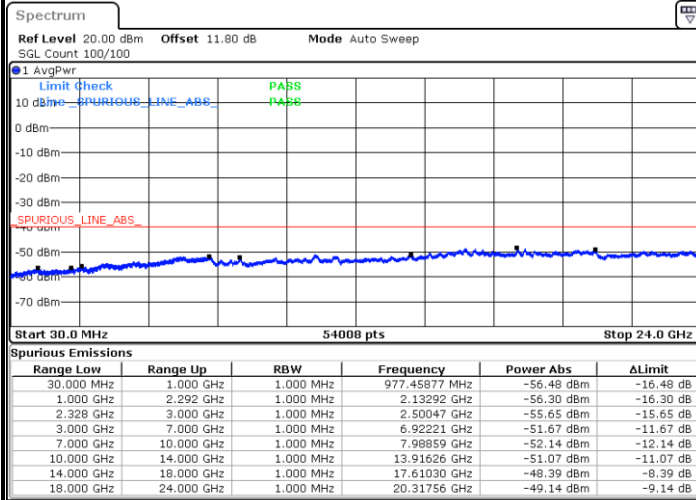


Date: 28.AUG.2020 14:38:22



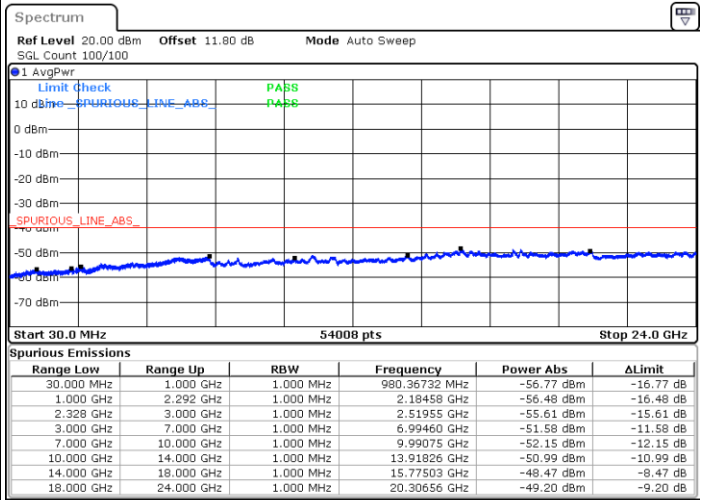
LTE Band 30 / 10MHz

Middle Channel / 64QAM



Date: 28.AUG.2020 14:18:49

Middle Channel / 256QAM



Date: 28.AUG.2020 14:42:58

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0089	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0080	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0088	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.30 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Reporting Only>

LTE Band 30 / 5MHz (Average) (GT - LC = 2.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	20.72	0.1180	23.42	0.2198
Middle		1	24	20.62	0.1153	23.32	0.2148
Highest		1	24	20.56	0.1138	23.26	0.2118
Lowest	16QAM	1	12	19.97	0.0993	22.67	0.1849
Middle		1	12	20.00	0.1000	22.70	0.1862
Highest		1	12	20.08	0.1019	22.78	0.1897
Lowest	64QAM	1	12	18.82	0.0762	21.52	0.1419
Middle		1	12	18.88	0.0773	21.58	0.1439
Highest		1	12	18.91	0.0778	21.61	0.1449
Lowest	256QAM	1	24	15.95	0.0394	18.65	0.0733
Middle		1	24	15.92	0.0391	18.62	0.0728
Highest		1	24	15.91	0.0390	18.61	0.0726

LTE Band 30 / 10MHz (Average) (GT - LC = 2.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	20.77	0.1194	23.47	0.2223
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	19.99	0.0998	22.69	0.1858
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	19.12	0.0817	21.82	0.1521
Highest		-	-	-	-	-	-
Lowest	256QAM	-	-	-	-	-	-
Middle		1	49	15.95	0.0394	18.65	0.0733
Highest		-	-	-	-	-	-

**Radiated Spurious Emission****LTE Band 30**

LTE Band 30 / 5MHz / QPSK									
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	4614	-51.35	-40	-11.35	-44.88	-62.57	1.46	12.68	H
	6922	-55.15	-40	-15.15	-55.41	-65.43	1.73	12.01	H
	9234	-56.03	-40	-16.03	-58.83	-65.64	2.16	11.77	H
									H
									H
									H
	4614	-48.88	-40	-8.88	-41.64	-60.10	1.46	12.68	V
	6922	-55.14	-40	-15.14	-54.95	-65.42	1.73	12.01	V
	9234	-52.97	-40	-12.97	-56.78	-62.58	2.16	11.77	V
									V
									V
									V
Middle	4620	-53.60	-40	-13.60	-47.15	-64.82	1.46	12.68	H
	6930	-55.50	-40	-15.50	-55.81	-65.77	1.73	12.00	H
	9240	-56.03	-40	-16.03	-58.81	-65.63	2.16	11.76	H
									H
									H
									H
	4620	-51.44	-40	-11.44	-44.22	-62.66	1.46	12.68	V
	6930	-55.74	-40	-15.74	-55.6	-66.01	1.73	12.00	V
	9240	-52.15	-40	-12.15	-55.96	-61.75	2.16	11.76	V
									V
									V
									V



LTE Band 30 / 5MHz / QPSK									
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)
Highest	4626	-49.49	-40	-9.49	-43.06	-60.70	1.46	12.67	H
	6937	-55.54	-40	-15.54	-55.89	-65.80	1.73	11.99	H
	9252	-56.37	-40	-16.37	-59.14	-65.95	2.17	11.75	H
									H
									H
									H
	4626	-46.09	-40	-6.09	-38.89	-57.30	1.46	12.67	V
	6937	-55.41	-40	-15.41	-55.3	-65.67	1.73	11.99	V
	9252	-52.46	-40	-12.46	-56.27	-62.04	2.17	11.75	V
									V
									V
									V

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



LTE Band 30 / 10MHz / QPSK									
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)
Middle	4608	-46.00	-40	-6.00	-39.52	-57.23	1.45	12.68	H
	6916	-56.17	-40	-16.17	-56.39	-66.46	1.73	12.02	H
	9225	-57.45	-40	-17.45	-60.27	-67.07	2.16	11.78	H
									H
									H
									H
	4608	-43.19	-40	-3.19	-35.92	-54.42	1.45	12.68	V
	6916	-54.72	-40	-14.72	-54.5	-65.01	1.73	12.02	V
	9225	-54.73	-40	-14.73	-58.55	-64.35	2.16	11.78	V
									V
									V
									V

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