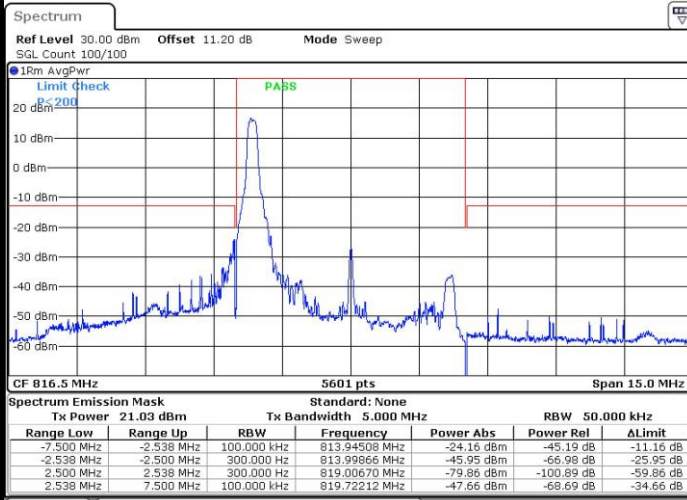




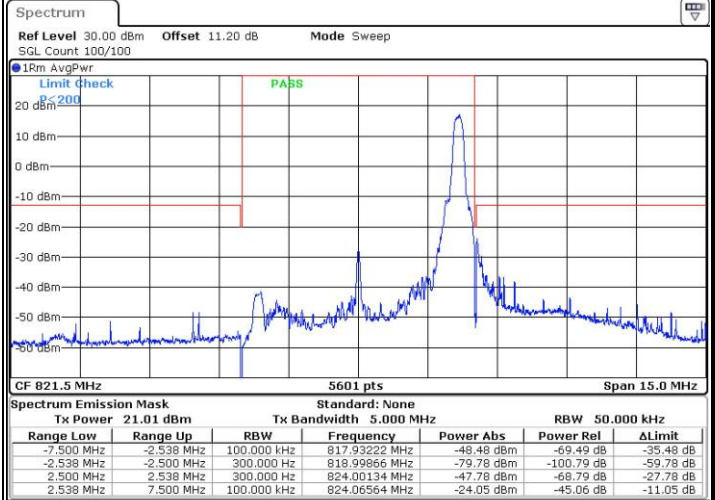
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



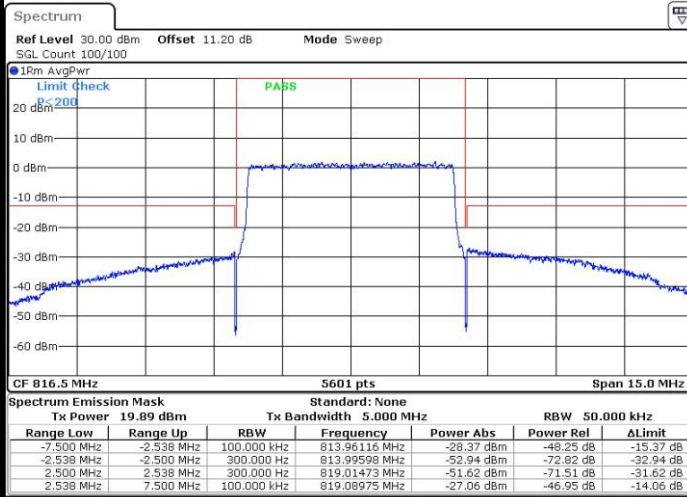
Date: 21 JUN 2019 23:16:18

Highest Band Edge / 1 RB



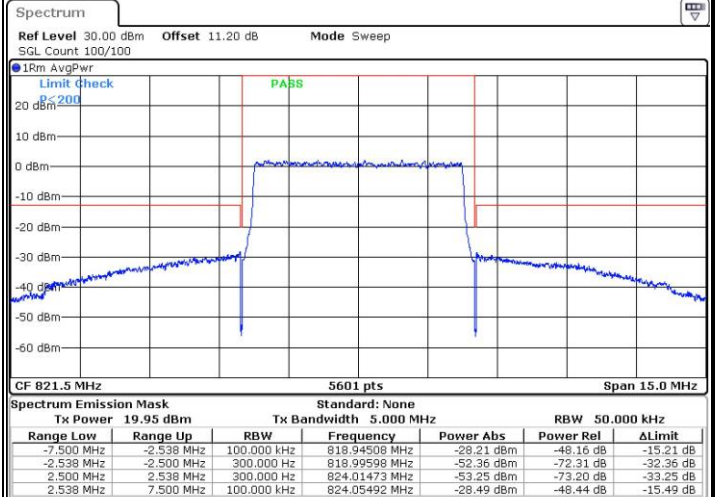
Date: 21 JUN 2019 23:20:01

Lowest Band Edge / Full RB



Date: 21 JUN 2019 23:18:10

Highest Band Edge / Full RB



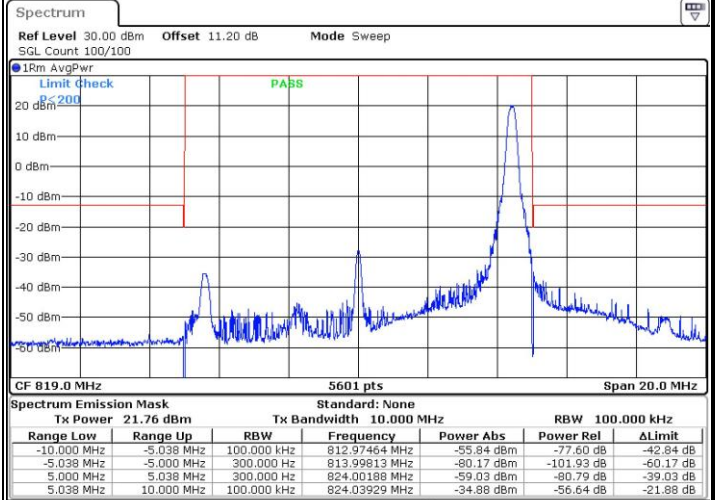
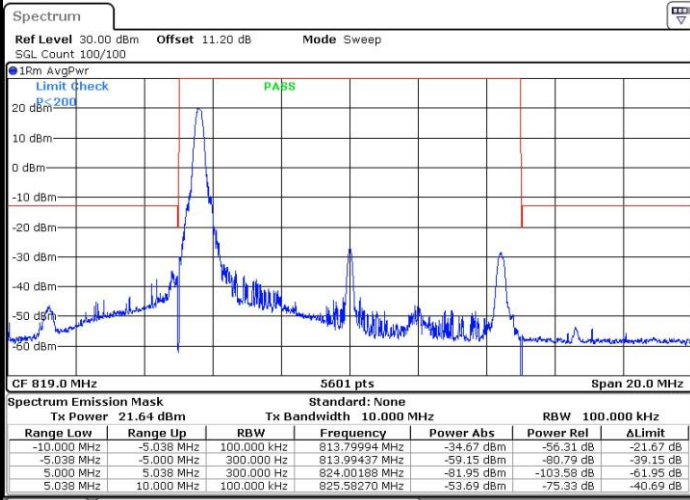
Date: 21 JUN 2019 23:21:52



LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

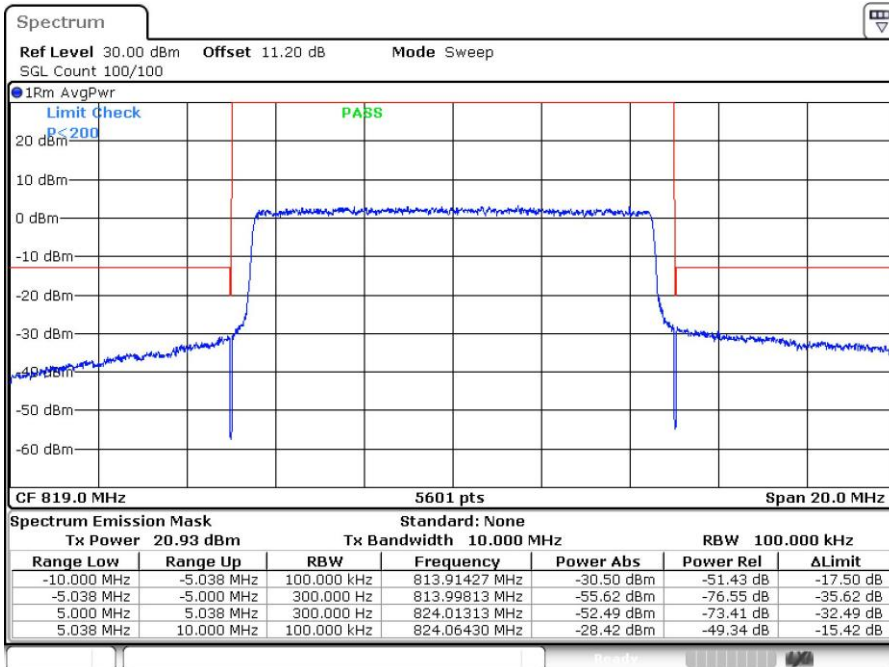
Highest Band Edge / 1 RB



Date: 21 JUN 2019 23:22:48

Date: 21 JUN 2019 23:24:39

Band Edge / Full RB

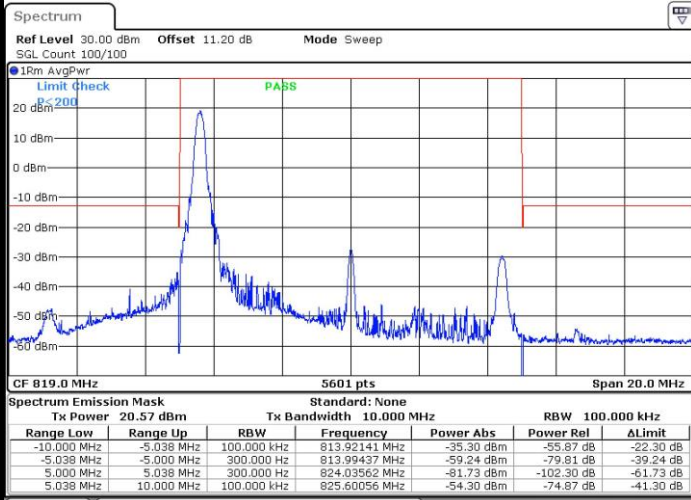


Date: 21 JUN 2019 23:26:30



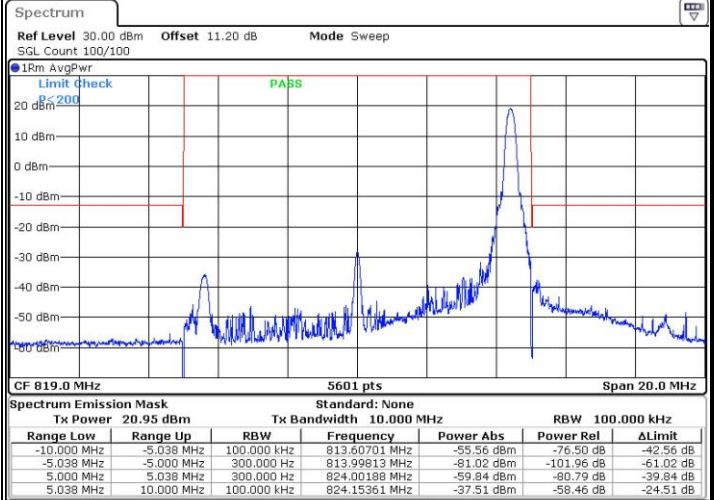
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



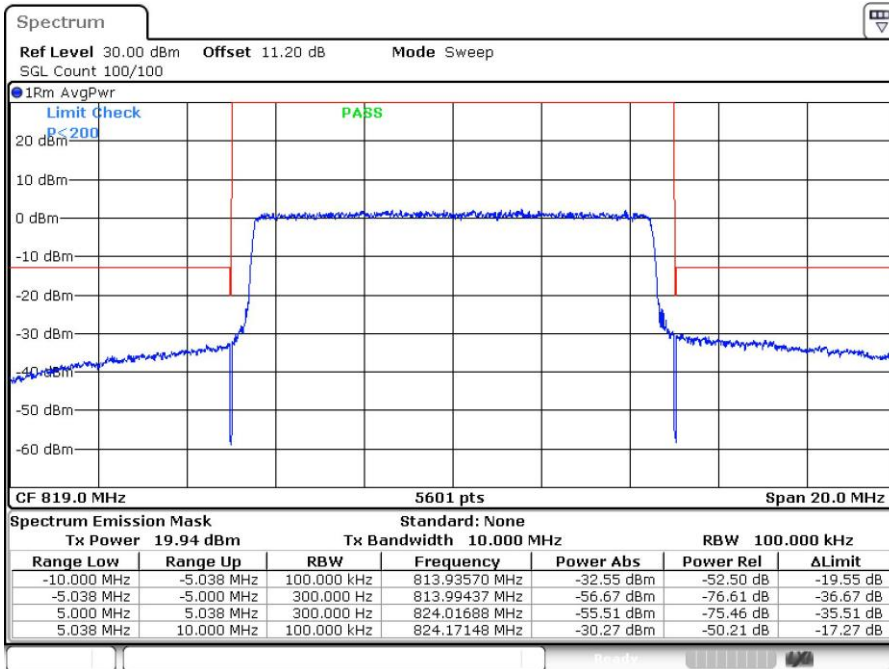
Date: 21 JUN 2019 23:23:43

Highest Band Edge / 1 RB



Date: 21 JUN 2019 23:25:35

Band Edge / Full RB

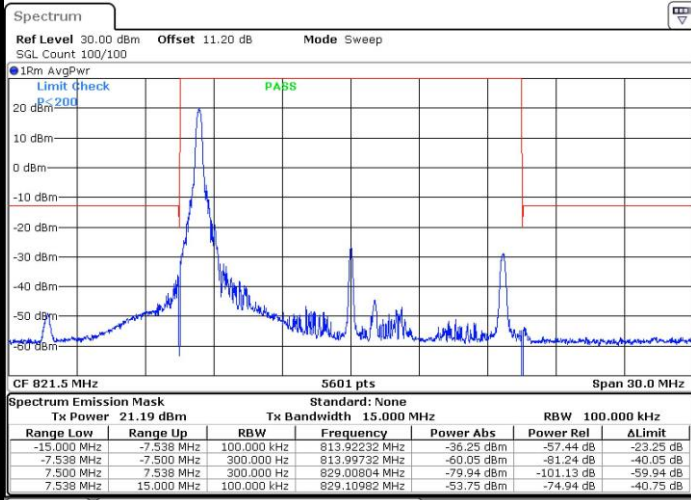


Date: 21 JUN 2019 23:27:26



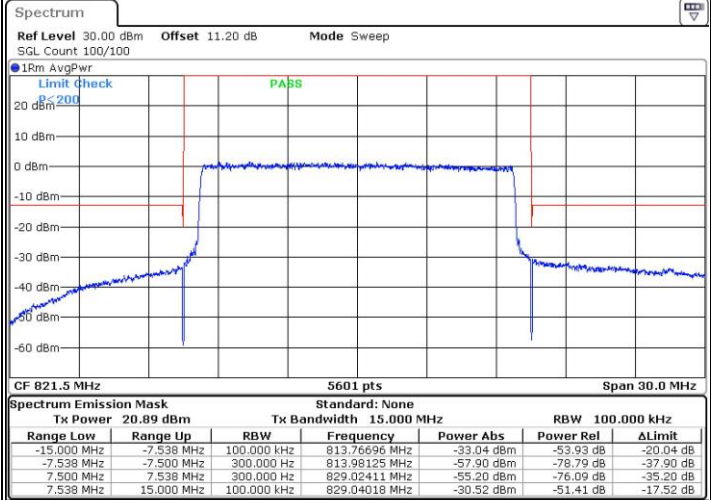
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 21 JUN 2019 23:28:21

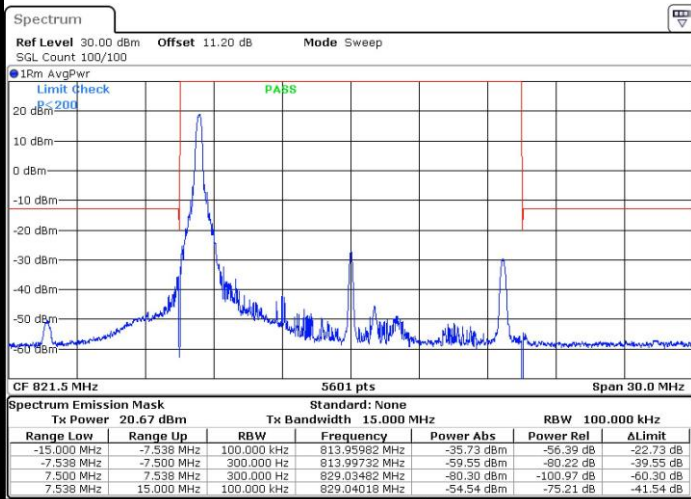
Lowest Band Edge / Full RB



Date: 21 JUN 2019 23:32:03

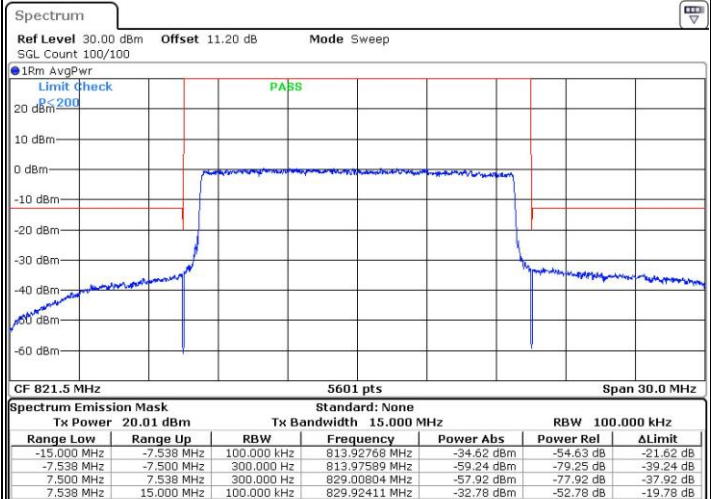
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 21 JUN 2019 23:29:17

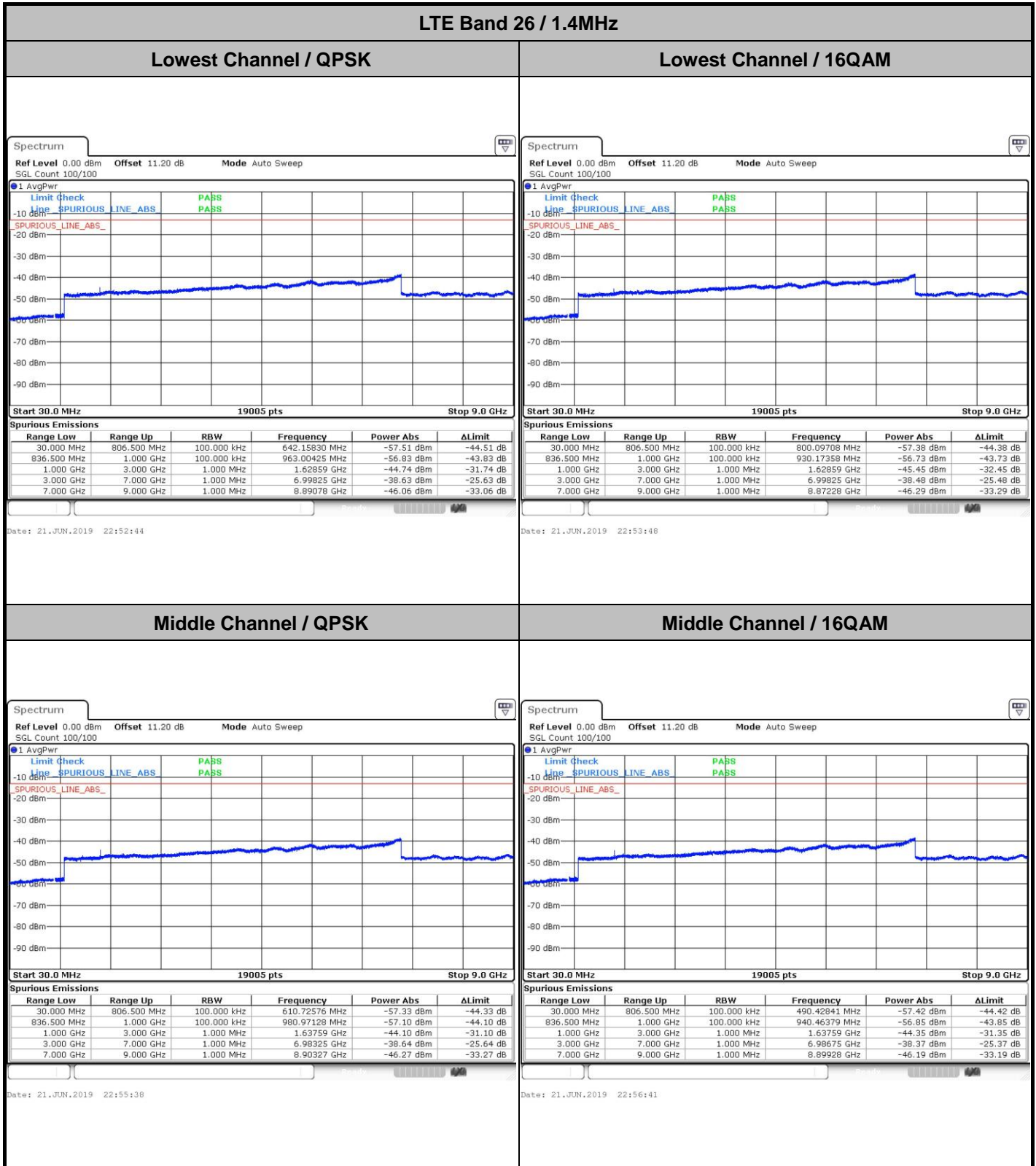
Lowest Band Edge / Full RB



Date: 21 JUN 2019 23:32:59



Conducted Spurious Emission





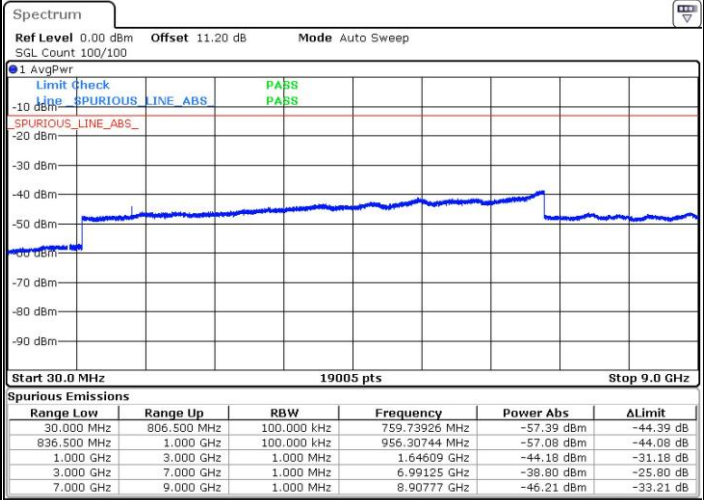
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 21 JUN 2019 22:58:31

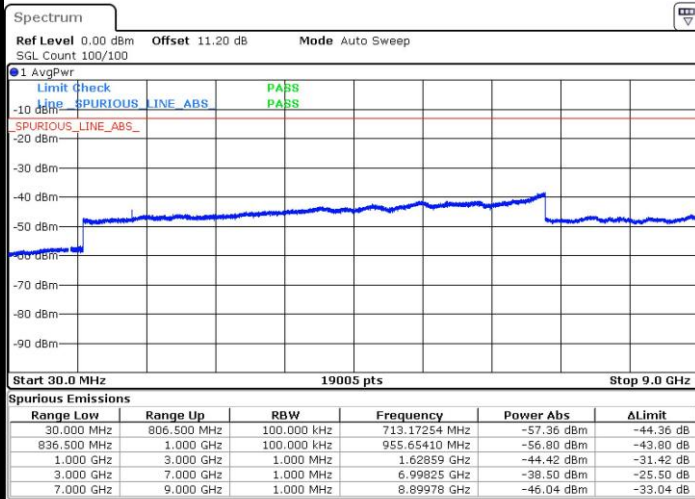
Highest Channel / 16QAM



Date: 21 JUN 2019 22:59:34

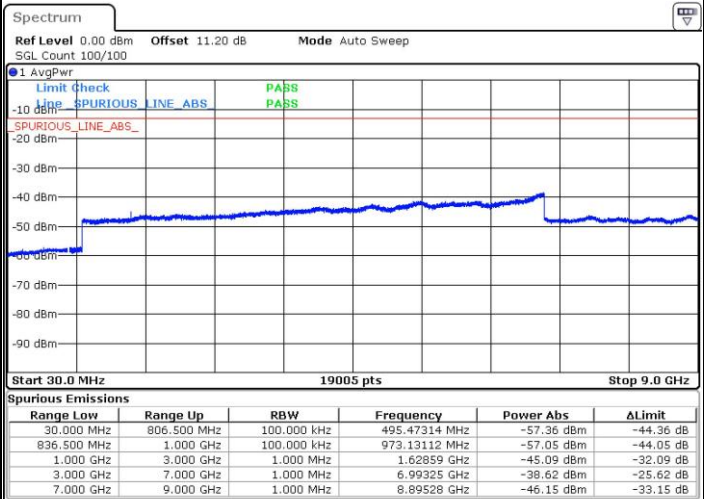
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 21 JUN 2019 23:34:49

Lowest Channel / 16QAM



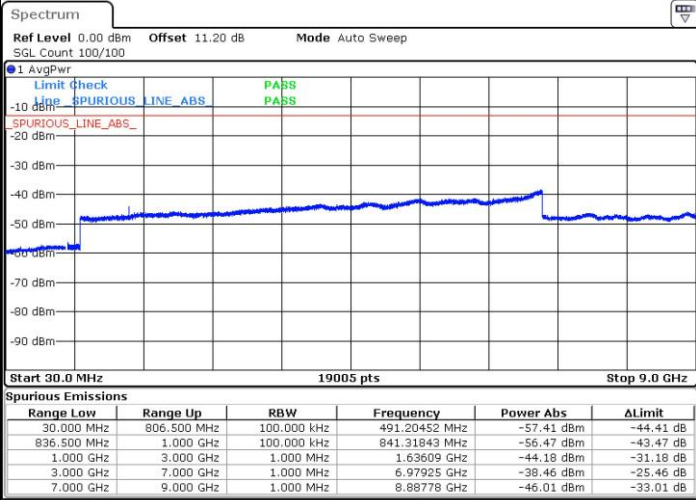
Date: 21 JUN 2019 23:35:52



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 21 JUN 2019 23:37:42

Date: 21 JUN 2019 23:38:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21 JUN 2019 23:40:35

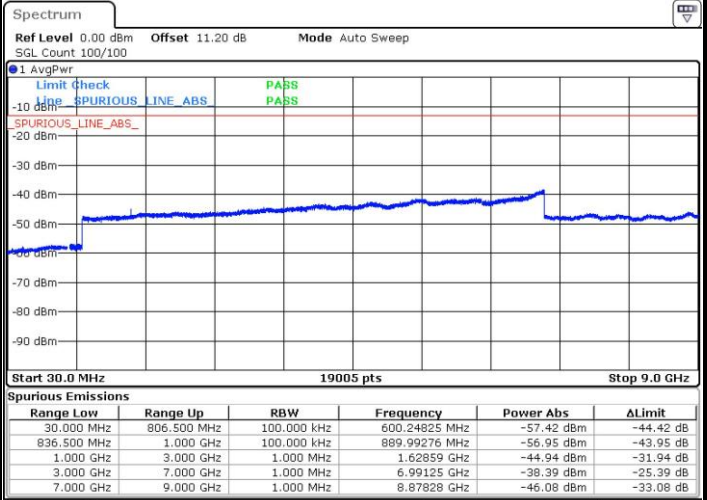
Date: 21 JUN 2019 23:41:38



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

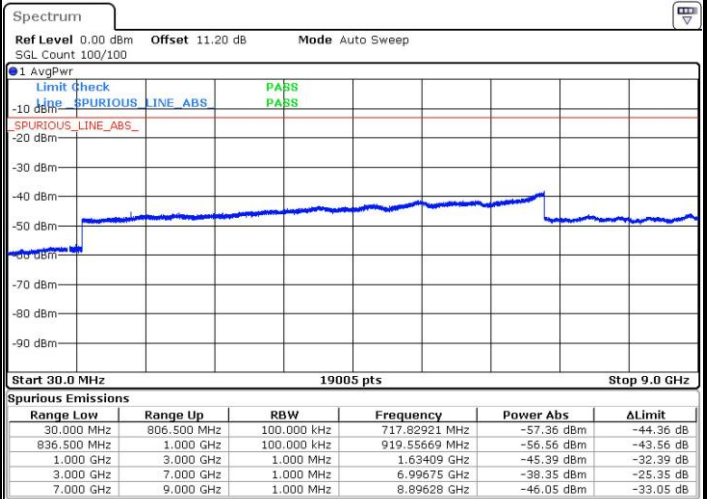
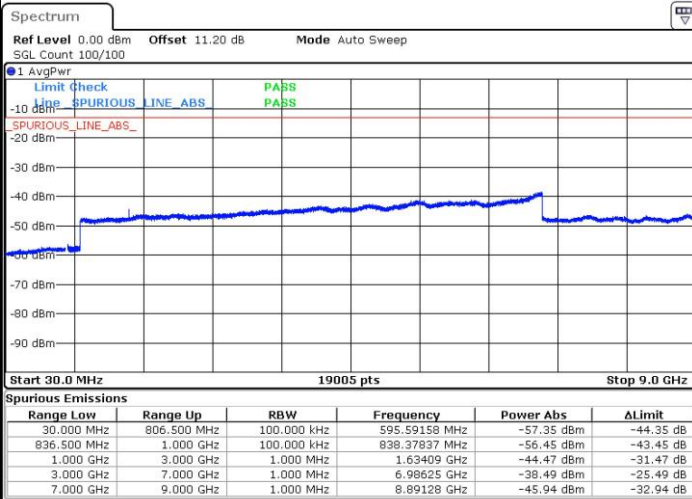


Date: 21 JUN 2019 23:43:28

Date: 21 JUN 2019 23:44:32

Middle Channel / QPSK

Middle Channel / 16QAM



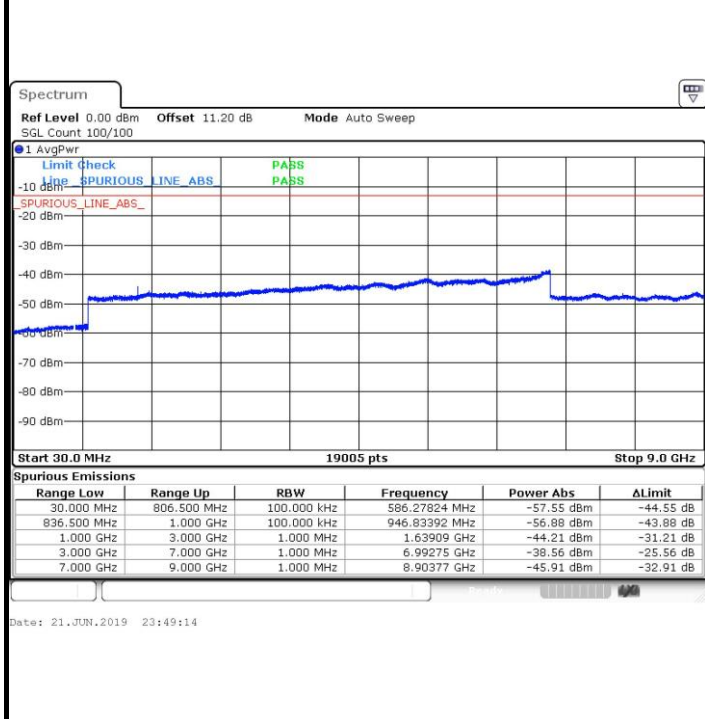
Date: 21 JUN 2019 23:46:21

Date: 21 JUN 2019 23:47:24

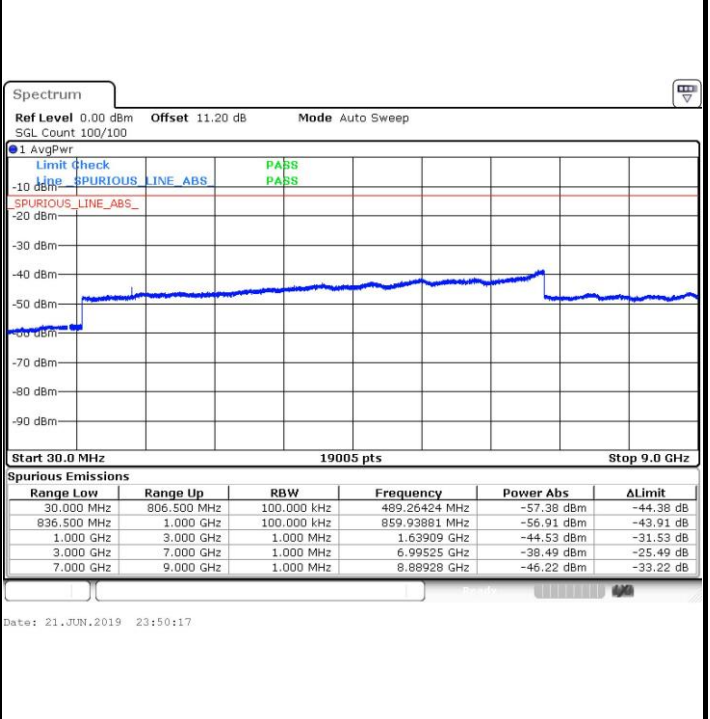


LTE Band 26 / 5MHz

Highest Channel / QPSK

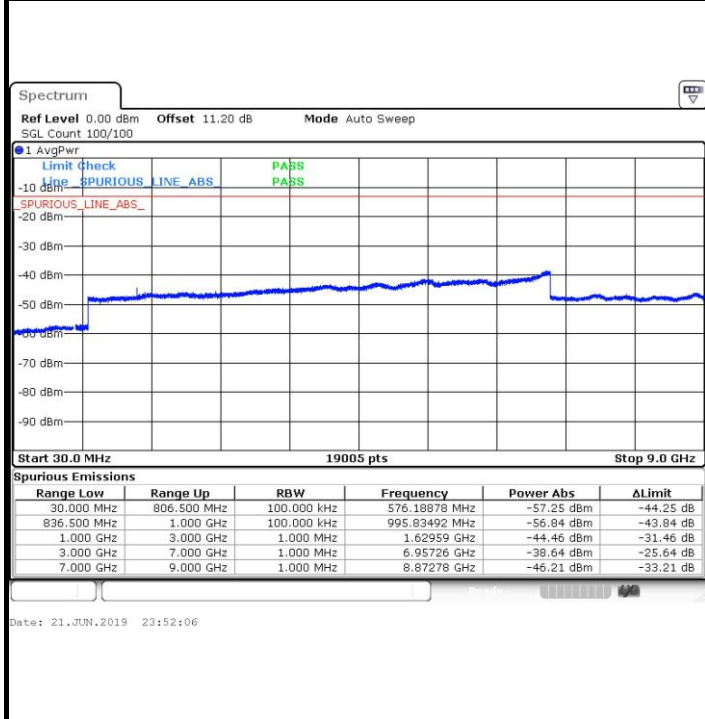


Highest Channel / 16QAM

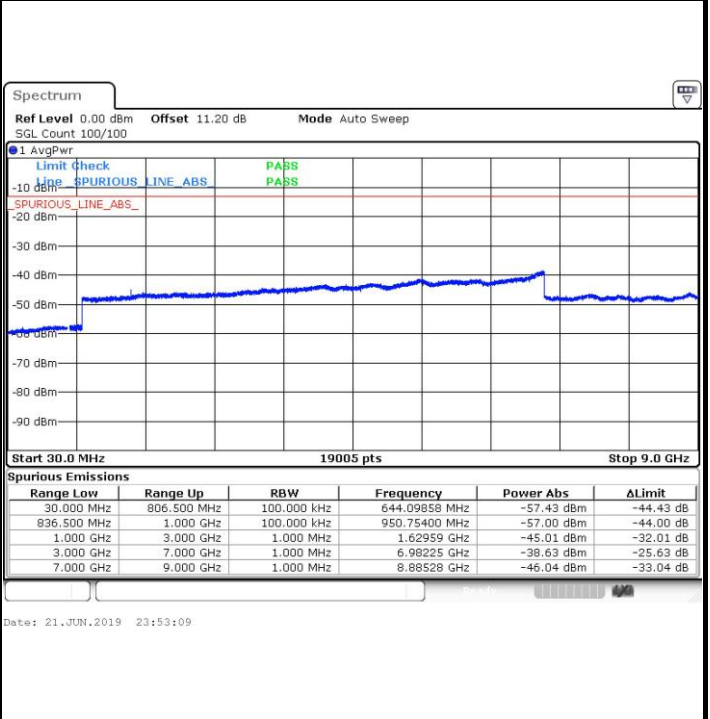


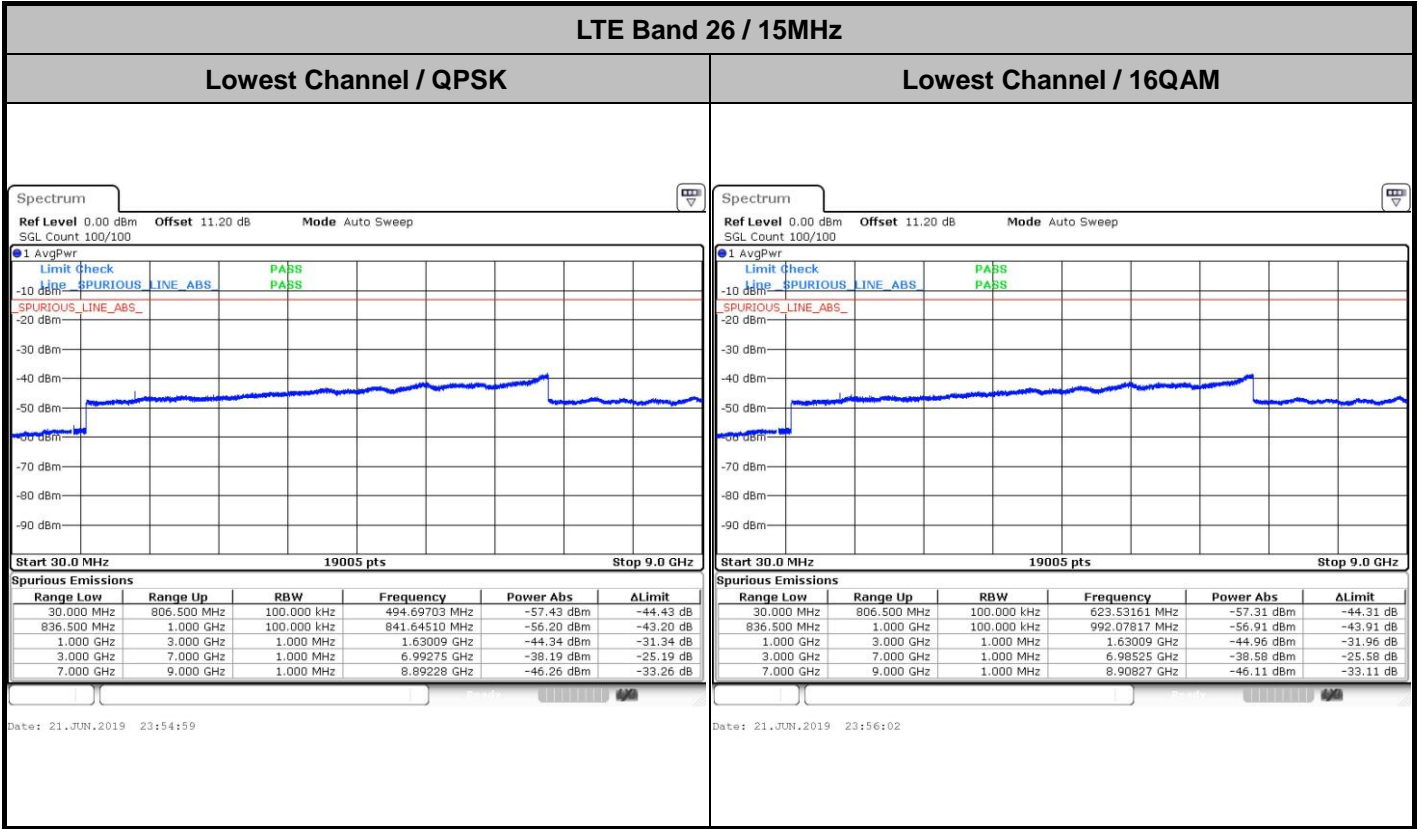
LTE Band 26 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM







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	0.0093	PASS
40	Normal Voltage	0.0101	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0060	
-10	Normal Voltage	0.0084	
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0126	
20	Maximum Voltage	0.0071	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0085	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.8 V. ; Maximum Voltage =8.8 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	0.0093	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0133	
-10	Normal Voltage	0.0110	
-20	Normal Voltage	0.0173	
-30	Normal Voltage	0.0181	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0054	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.8 V. ; Maximum Voltage =8.8 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) (GT - LC = 0.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	37	22.89	0.19	21.24	0.13
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	21.38	0.14	19.73	0.09
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

Part 90S LTE Band 26

LTE Band 26 / 3MHz / 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	1632	-63.33	-13	-50.33	-74.23	-69.12	0.68	8.63	H
	2448	-59.23	-13	-46.23	-75.07	-66.86	0.94	10.73	H
	3264	-57.66	-13	-44.66	-75.76	-66.10	1.19	11.78	H
									H
	1632	-63.55	-13	-50.55	-74.31	-69.34	0.68	8.63	V
	2448	-59.44	-13	-46.44	-75.33	-67.07	0.94	10.73	V
	3264	-57.32	-13	-44.32	-75.37	-65.76	1.19	11.78	V
									V
Middle	1640	-63.17	-13	-50.17	-74.11	-68.99	0.69	8.66	H
	2460	-58.87	-13	-45.87	-75.03	-66.52	0.95	10.74	H
	3280	-57.54	-13	-44.54	-75.6	-66.01	1.20	11.82	H
									H
	1640	-63.57	-13	-50.57	-74.38	-69.39	0.69	8.66	V
	2460	-59.30	-13	-46.30	-75.16	-66.95	0.95	10.74	V
	3280	-57.59	-13	-44.59	-75.54	-66.06	1.20	11.82	V
									V
Highest	1648	-63.16	-13	-50.16	-74.14	-69.01	0.69	8.69	H
	2472	-59.42	-13	-46.42	-75.26	-67.08	0.95	10.76	H
	3296	-57.51	-13	-44.51	-75.53	-66.01	1.20	11.85	H
									H
	1648	-63.54	-13	-50.54	-74.4	-69.39	0.69	8.69	V
	2472	-59.76	-13	-46.76	-75.6	-67.42	0.95	10.76	V
	3296	-57.80	-13	-44.80	-75.66	-66.30	1.20	11.85	V
									V

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



LTE Band 26 / 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	1629	-63.41	-13	-50.41	-74.29	-69.19	0.68	8.62	H
	2443	-59.77	-13	-46.77	-75.6	-67.40	0.94	10.72	H
	3258	-57.72	-13	-44.72	-75.84	-66.15	1.19	11.77	H
									H
	1629	-63.80	-13	-50.80	-74.54	-69.58	0.68	8.62	V
	2443	-59.51	-13	-46.51	-75.41	-67.14	0.94	10.72	V
	3258	-57.74	-13	-44.74	-75.84	-66.17	1.19	11.77	V
									V

LTE Band 26 / 15MHz / 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	1643	-63.63	-13	-50.63	-74.59	-69.46	0.69	8.67	H
	2464	-59.96	-13	-46.96	-75.79	-67.61	0.95	10.75	H
	3286	-57.60	-13	-44.60	-75.65	-66.08	1.20	11.83	H
									H
	1643	-63.90	-13	-50.90	-74.73	-69.73	0.69	8.67	V
	2464	-59.71	-13	-46.71	-75.55	-67.36	0.95	10.75	V
	3286	-57.64	-13	-44.64	-75.55	-66.12	1.20	11.83	V
									V