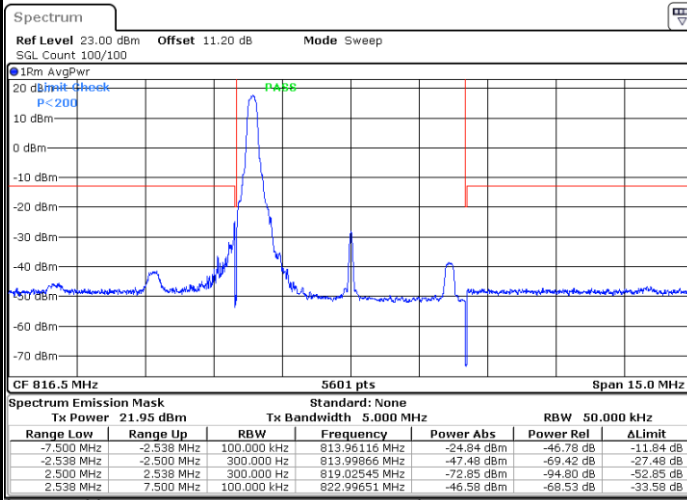




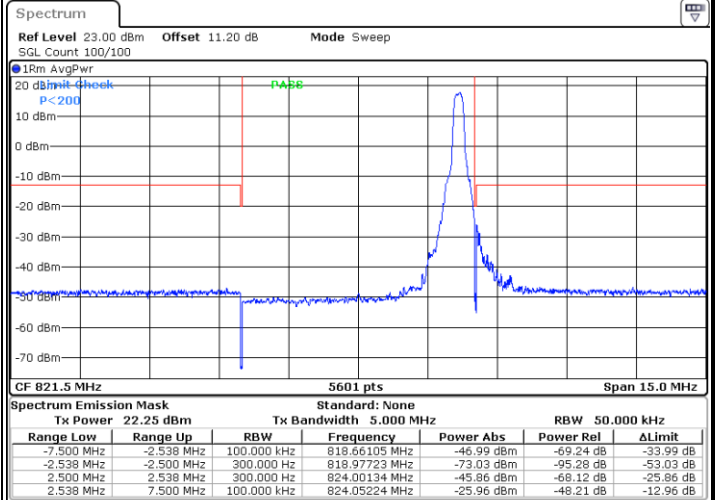
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



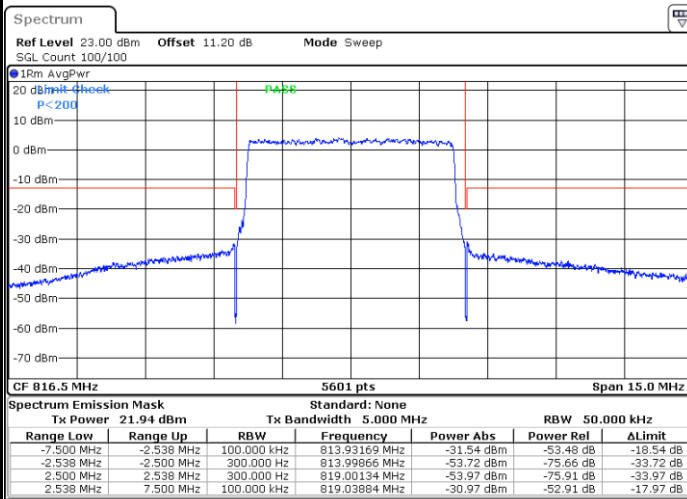
Date: 13.JUL.2020 23:17:36

Highest Band Edge / 1 RB



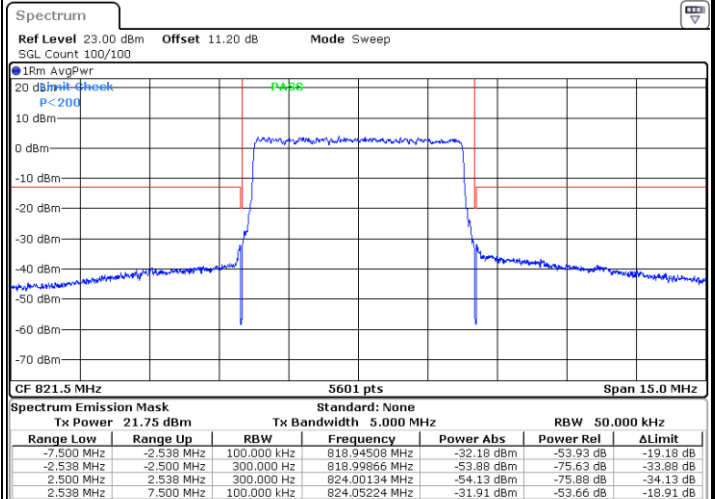
Date: 13.JUL.2020 23:18:35

Lowest Band Edge / Full RB



Date: 13.JUL.2020 23:18:05

Highest Band Edge / Full RB

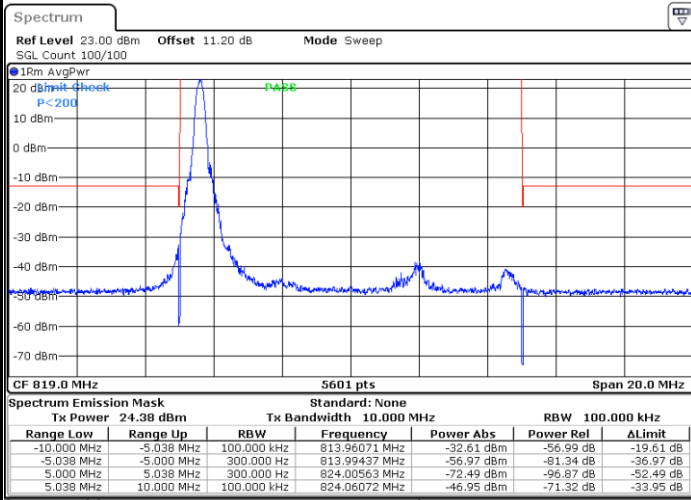


Date: 13.JUL.2020 23:19:04



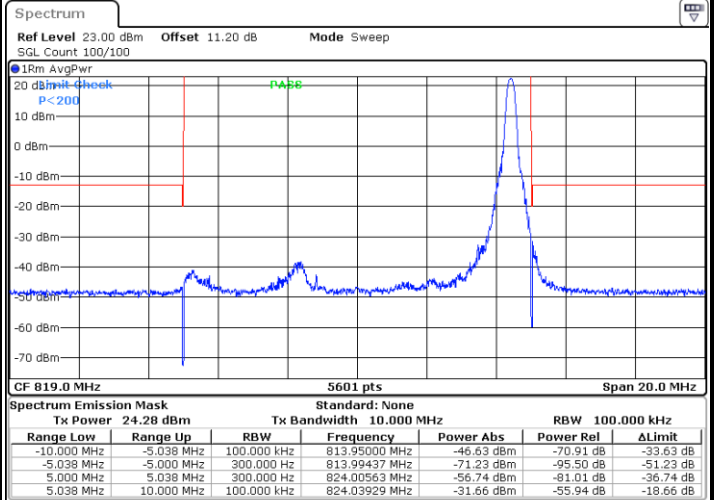
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



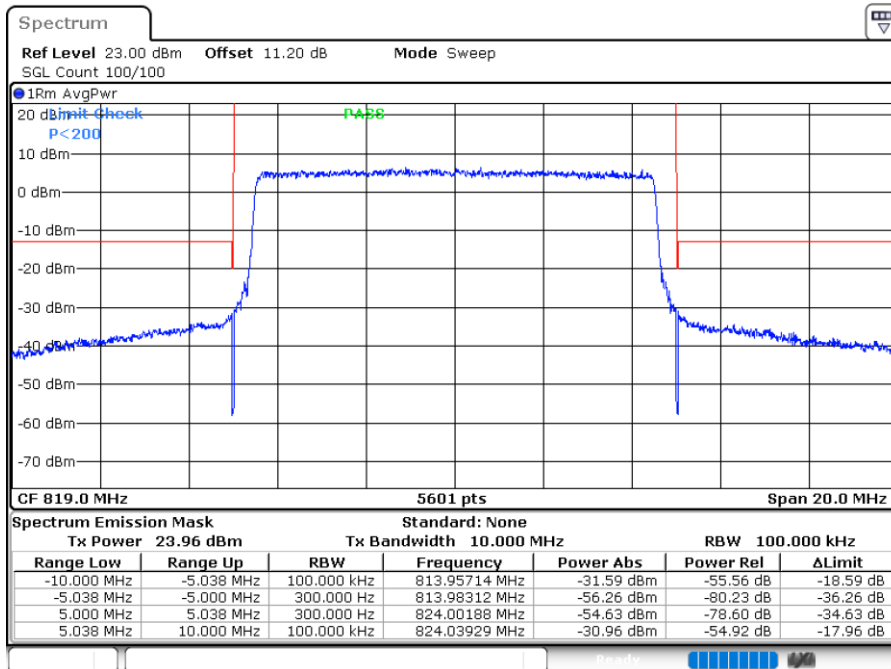
Date: 13.JUL.2020 23:09:39

Highest Band Edge / 1 RB



Date: 13.JUL.2020 23:10:38

Band Edge / Full RB

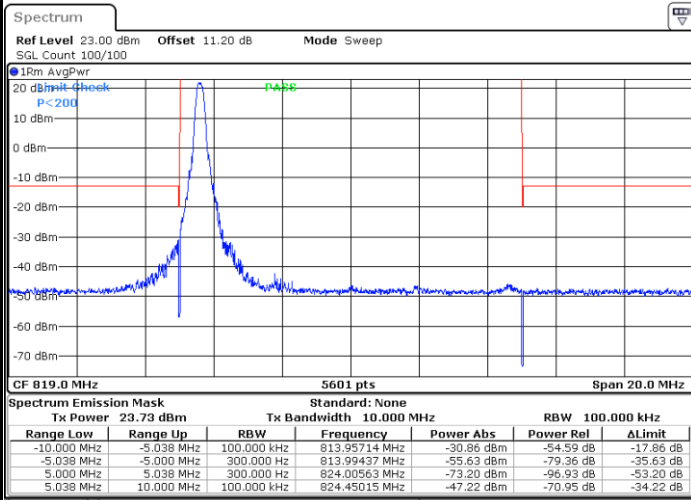


Date: 13.JUL.2020 23:11:38



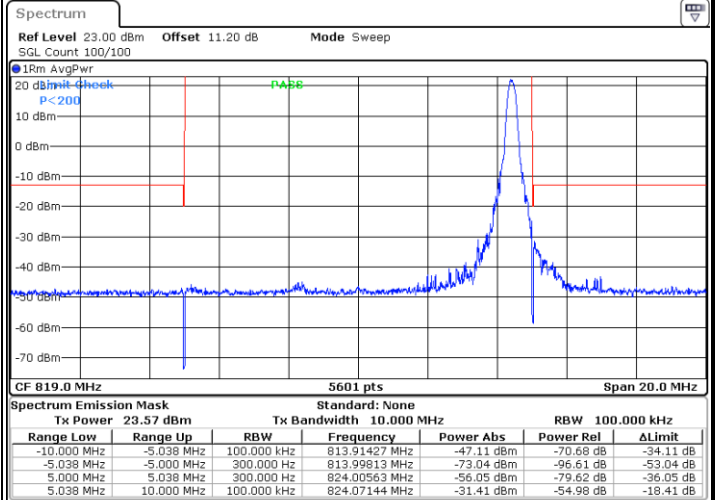
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



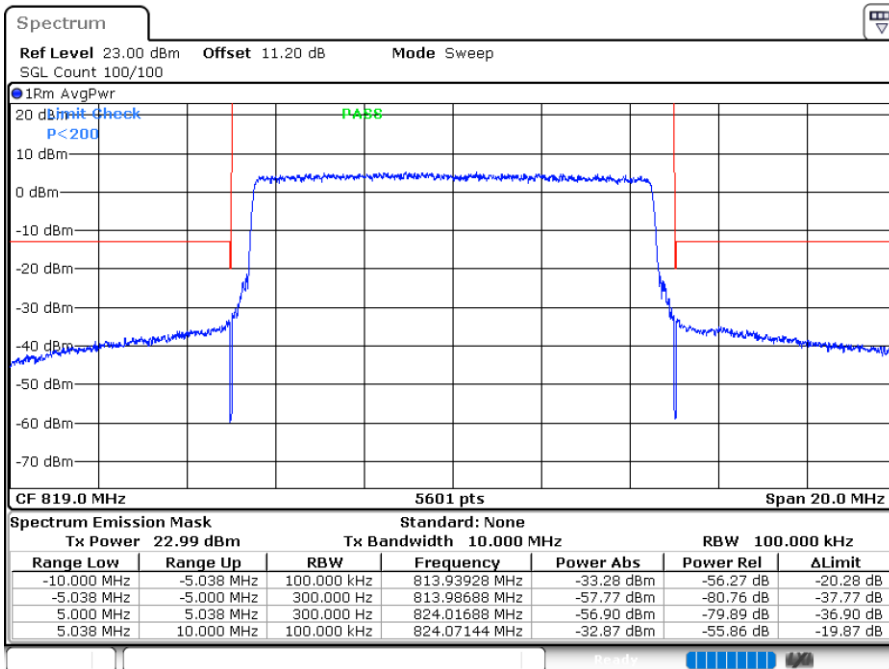
Date: 13.JUL.2020 23:10:09

Highest Band Edge / 1 RB



Date: 13.JUL.2020 23:11:08

Band Edge / Full RB

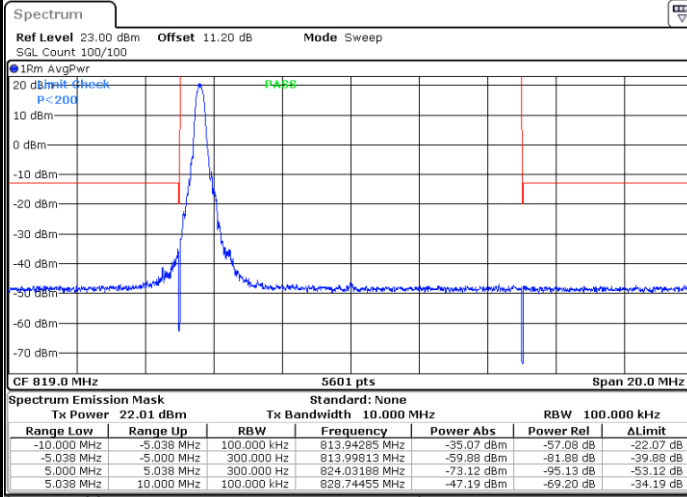


Date: 13.JUL.2020 23:12:07



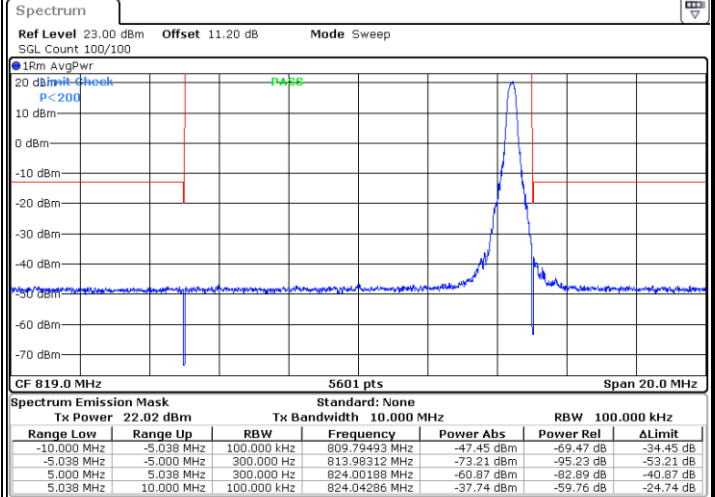
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



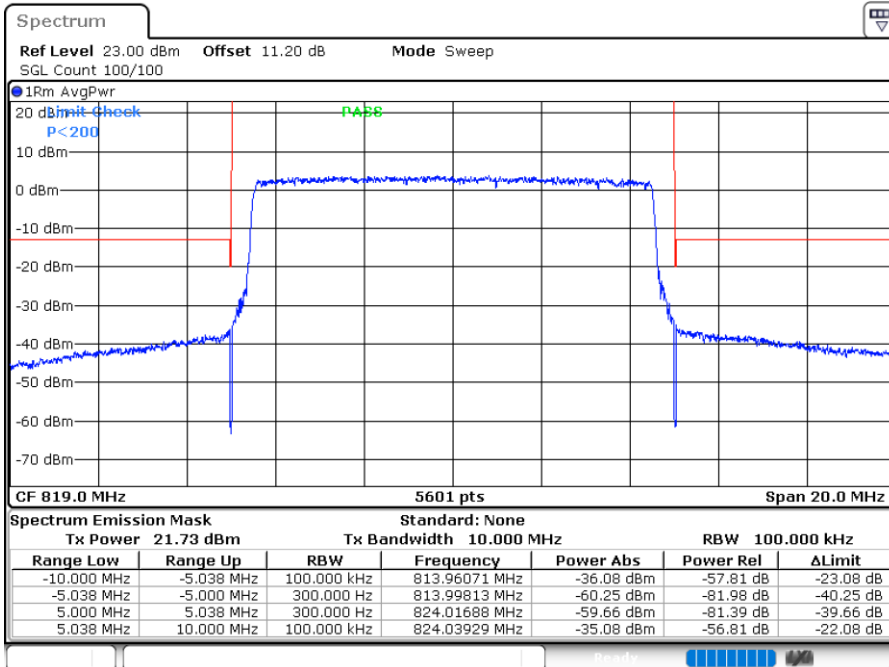
Date: 13.JUL.2020 23:19:34

Highest Band Edge / 1 RB



Date: 13.JUL.2020 23:20:04

Band Edge / Full RB

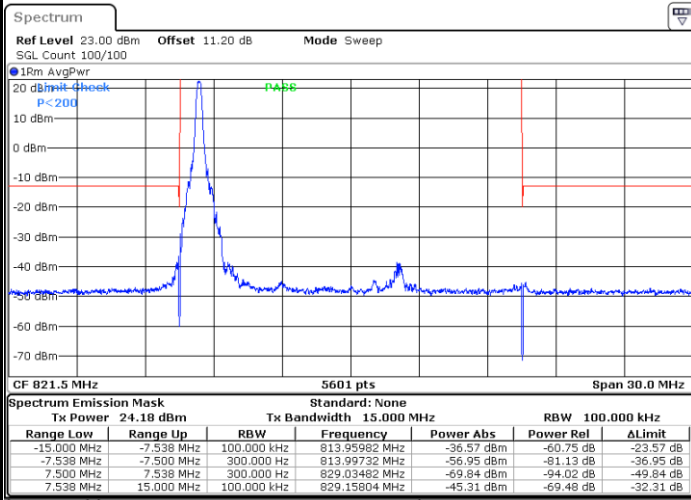


Date: 13.JUL.2020 23:20:33



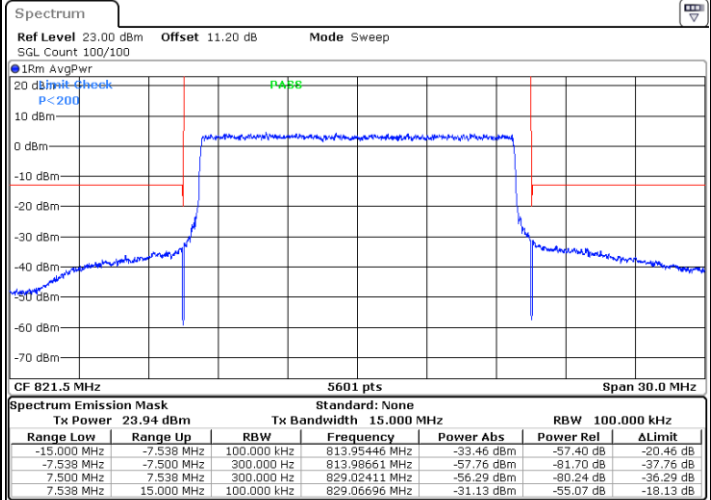
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 13.JUL.2020 23:12:38

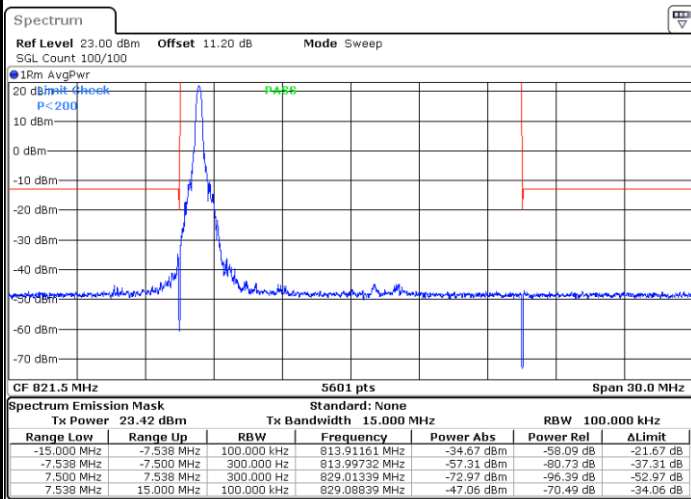
Lowest Band Edge / Full RB



Date: 13.JUL.2020 23:14:36

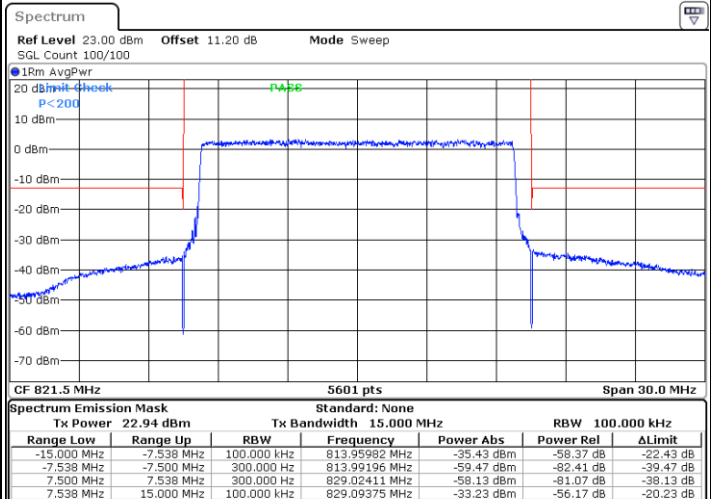
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 13.JUL.2020 23:13:07

Lowest Band Edge / Full RB

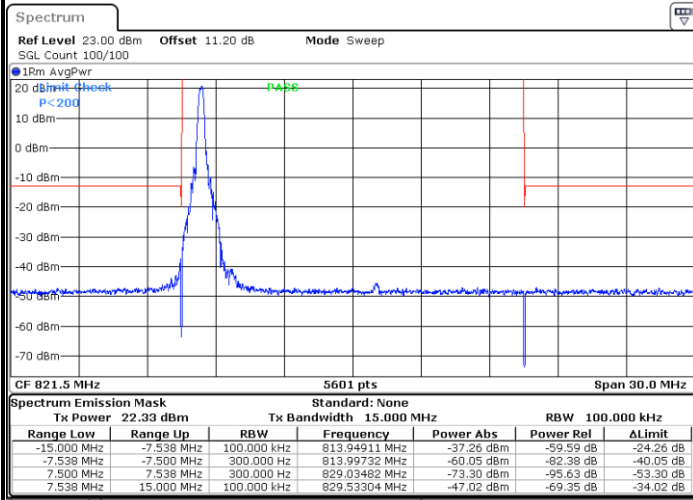


Date: 13.JUL.2020 23:15:05



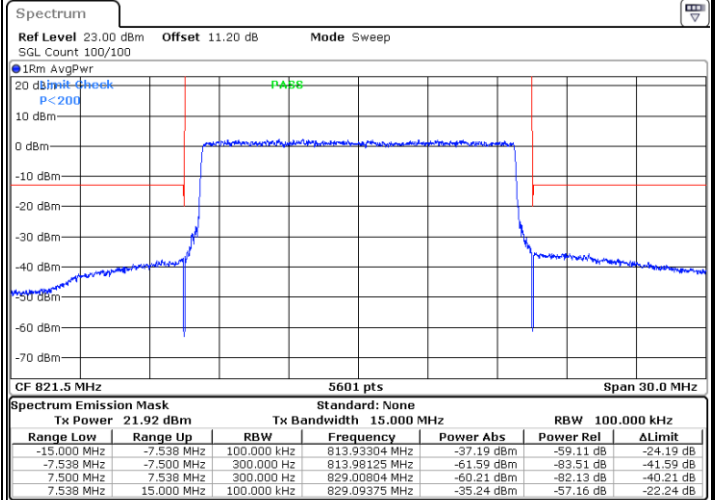
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 13.JUL.2020 23:21:03

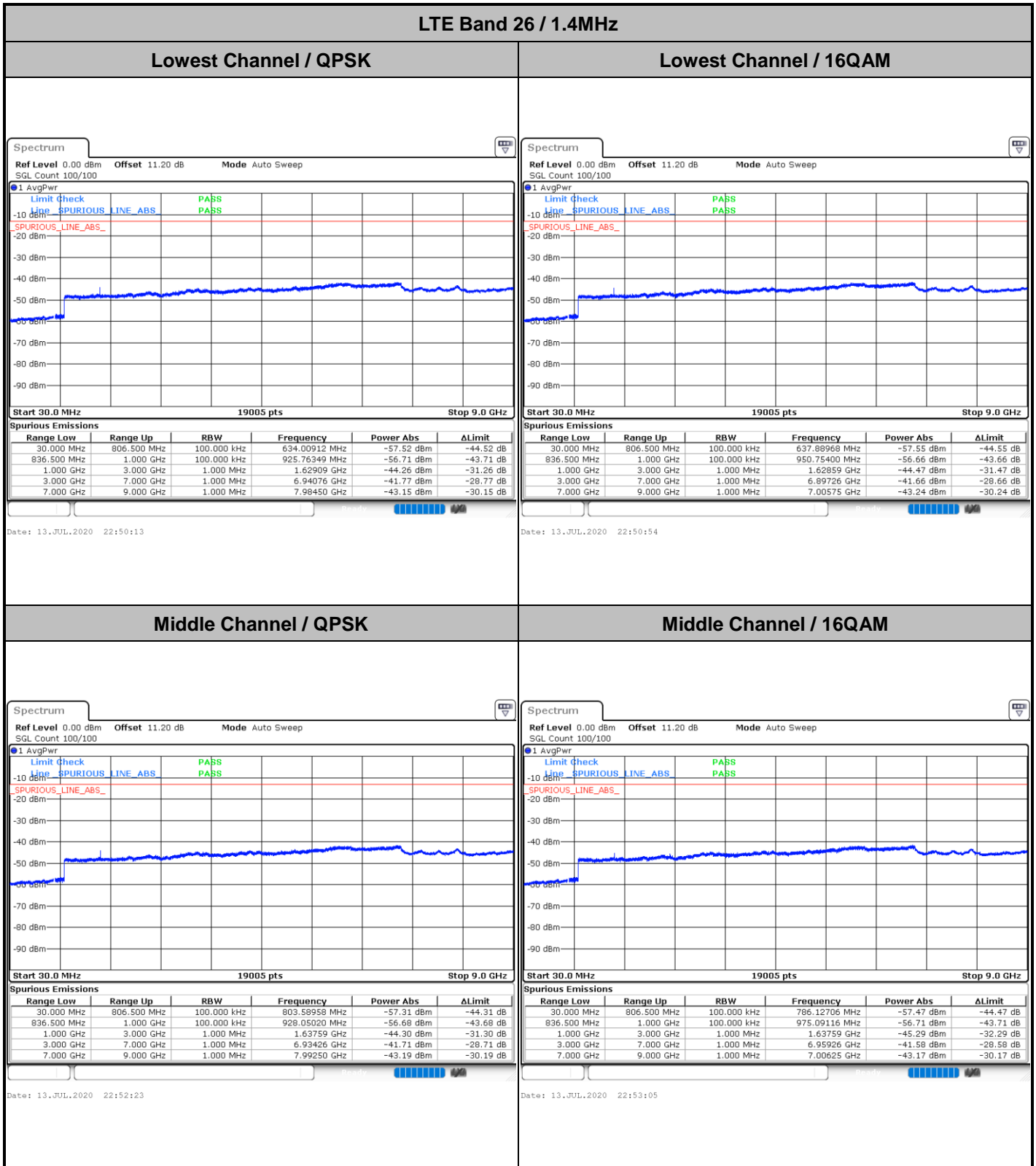
Lowest Band Edge / Full RB



Date: 13.JUL.2020 23:22:02



Emission masks – Out of band emissions

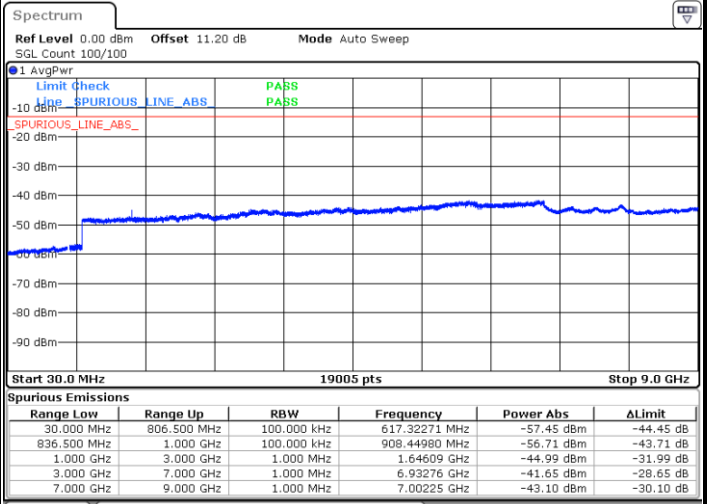
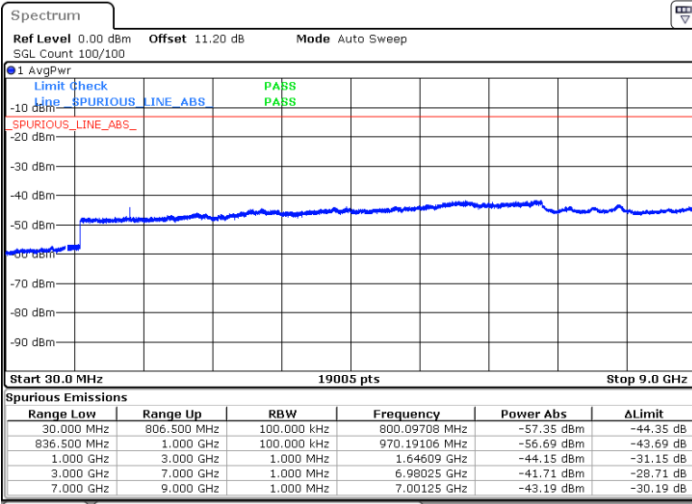




LTE Band 26 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



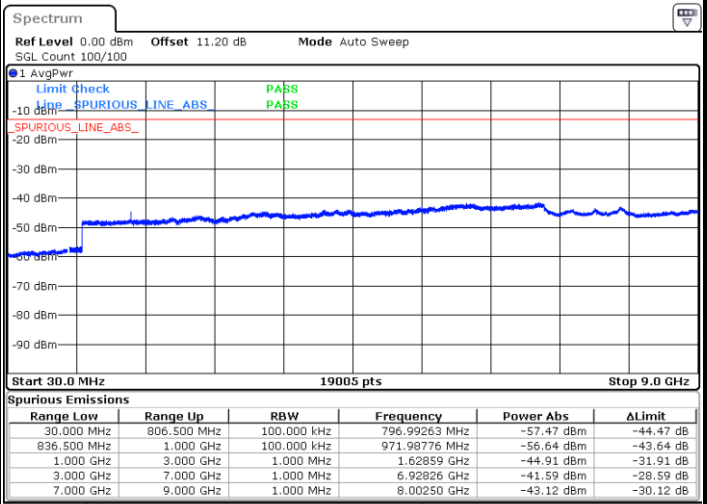
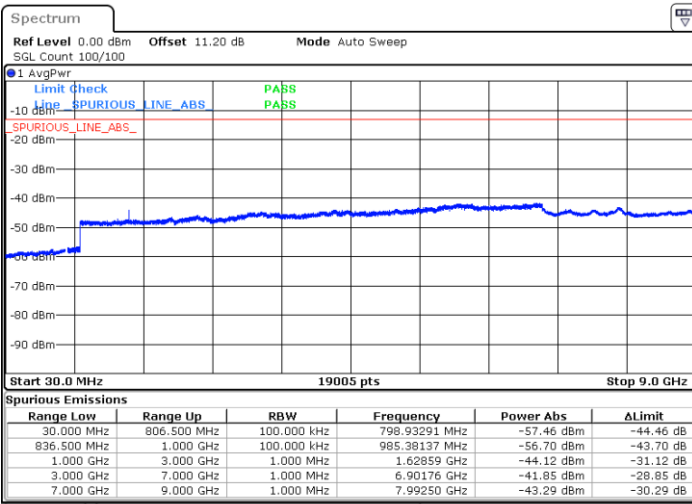
Date: 13.JUL.2020 22:54:34

Date: 13.JUL.2020 22:55:16

LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 13.JUL.2020 23:45:54

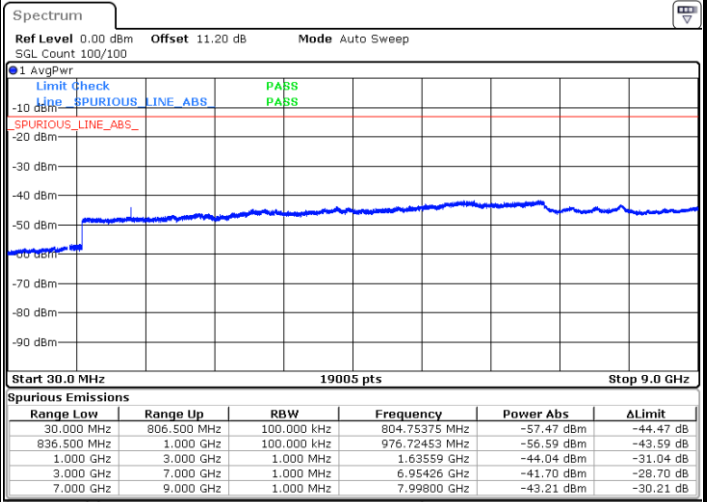
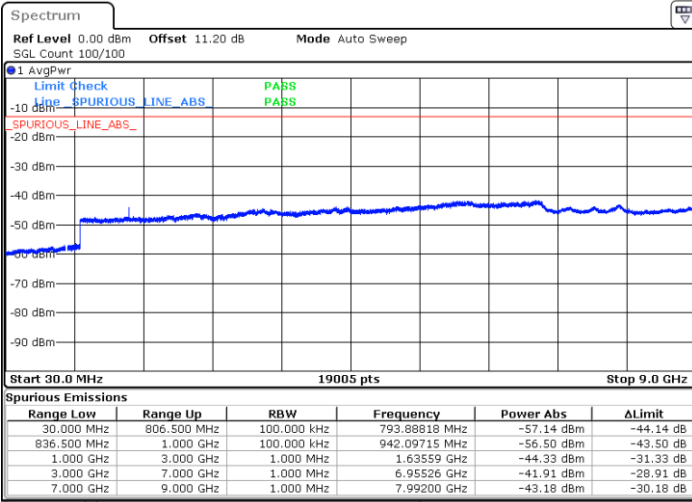
Date: 13.JUL.2020 23:46:35



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

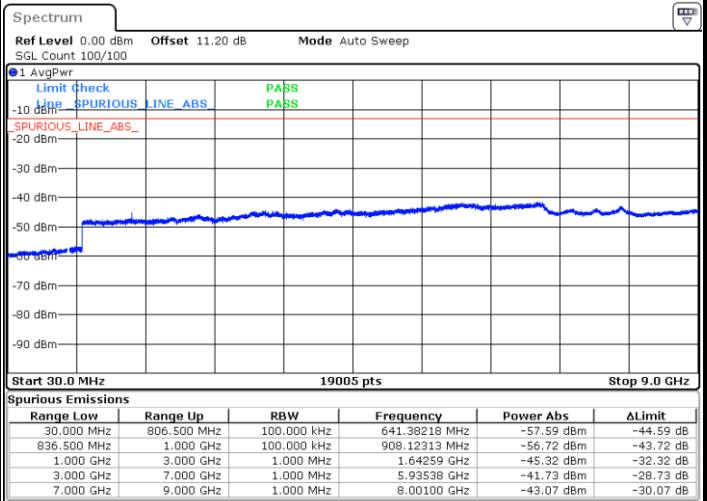
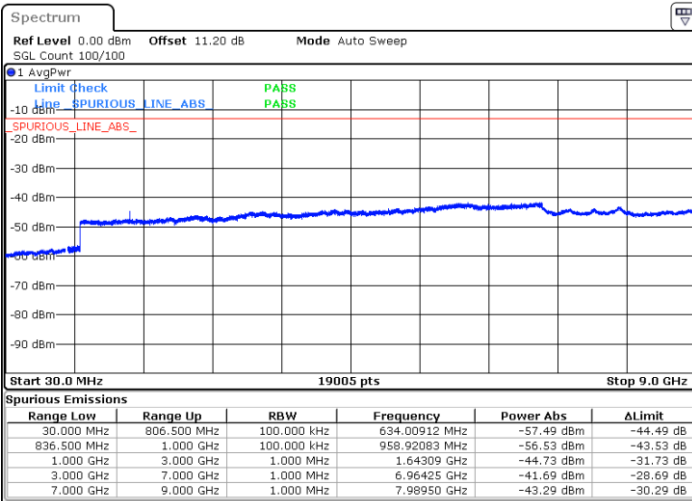


Date: 13.JUL.2020 23:48:04

Date: 13.JUL.2020 23:48:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.JUL.2020 23:50:15

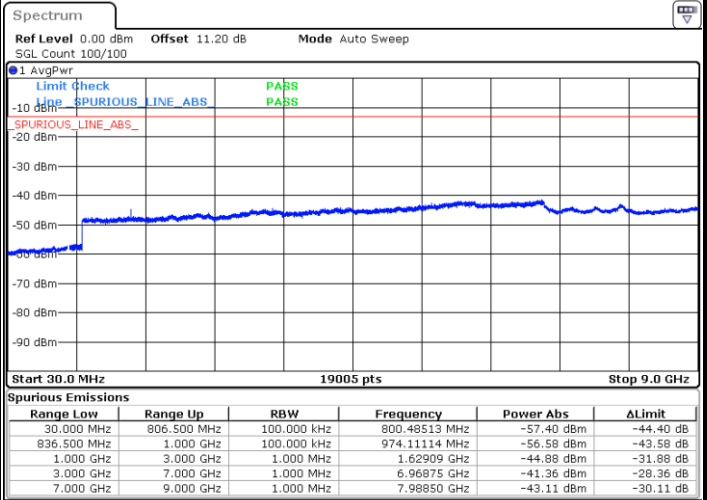
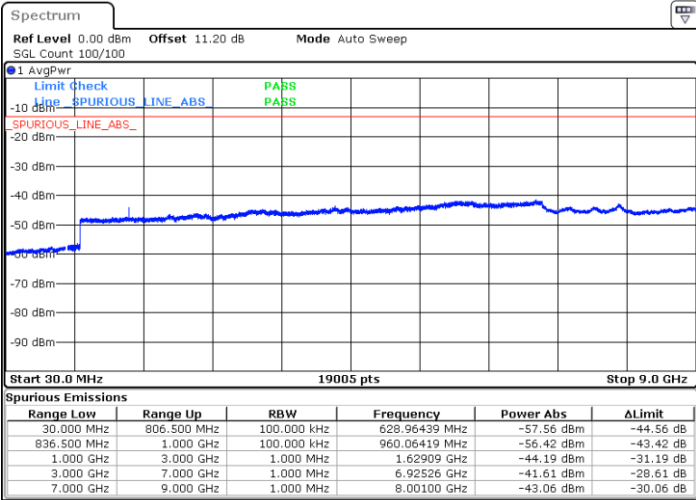
Date: 13.JUL.2020 23:50:57



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

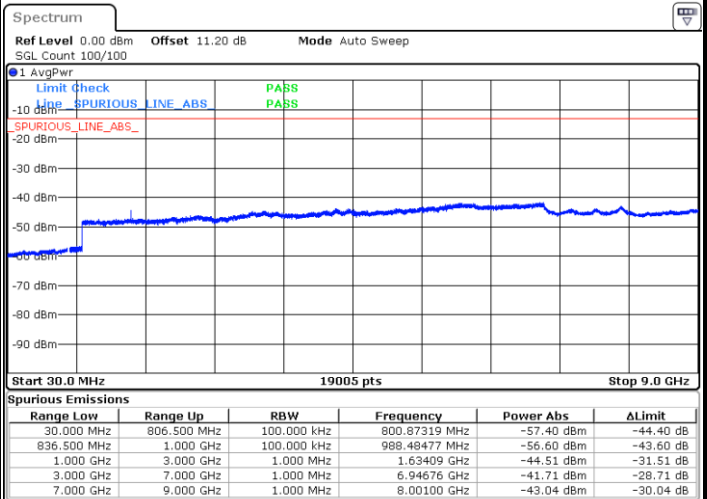
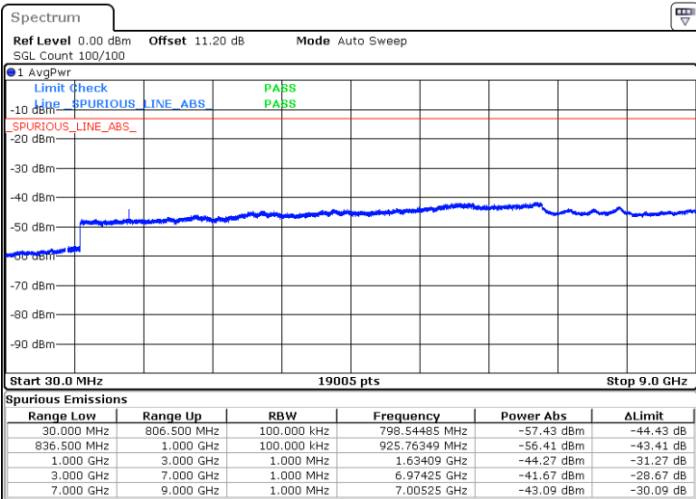


Date: 13.JUL.2020 23:52:26

Date: 13.JUL.2020 23:53:08

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.JUL.2020 23:54:37

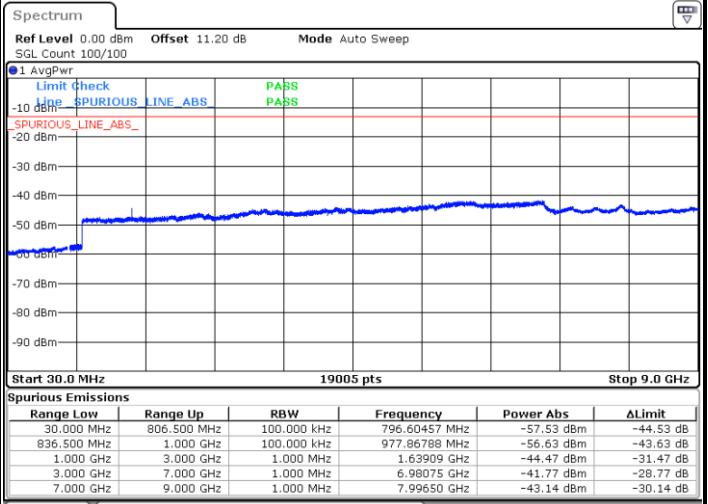
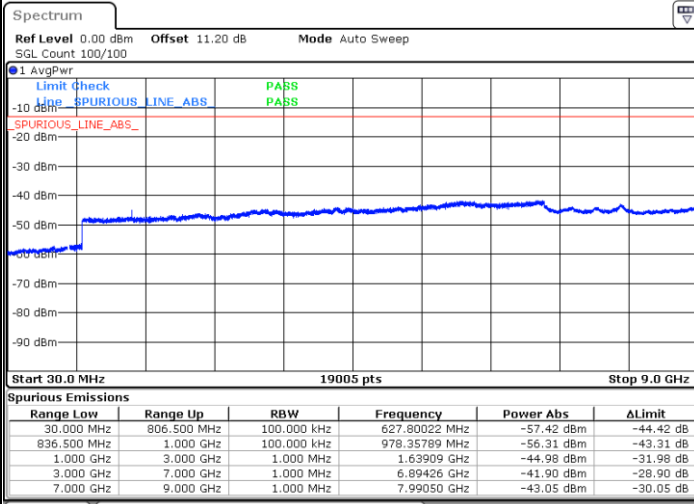
Date: 13.JUL.2020 23:55:19



LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



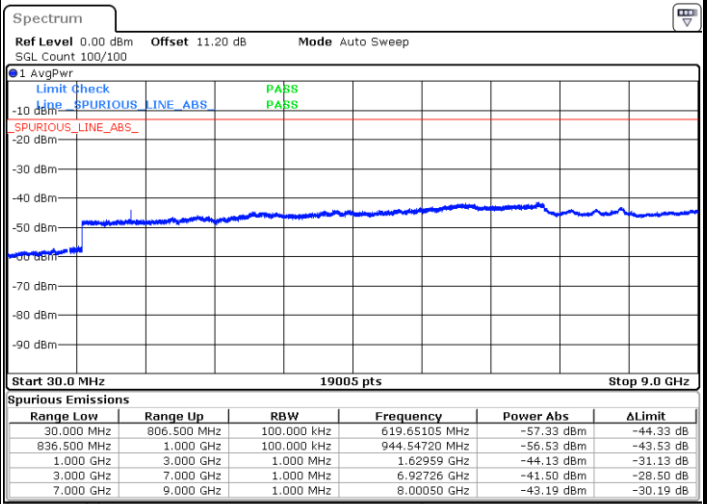
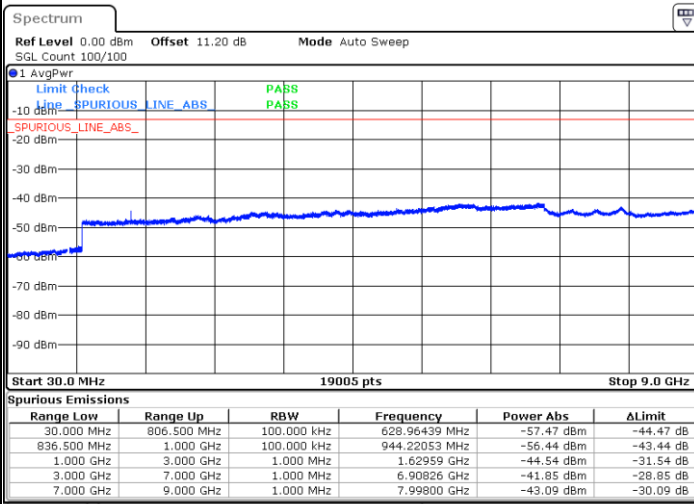
Date: 13.JUL.2020 23:56:48

Date: 13.JUL.2020 23:57:29

LTE Band 26 / 10MHz

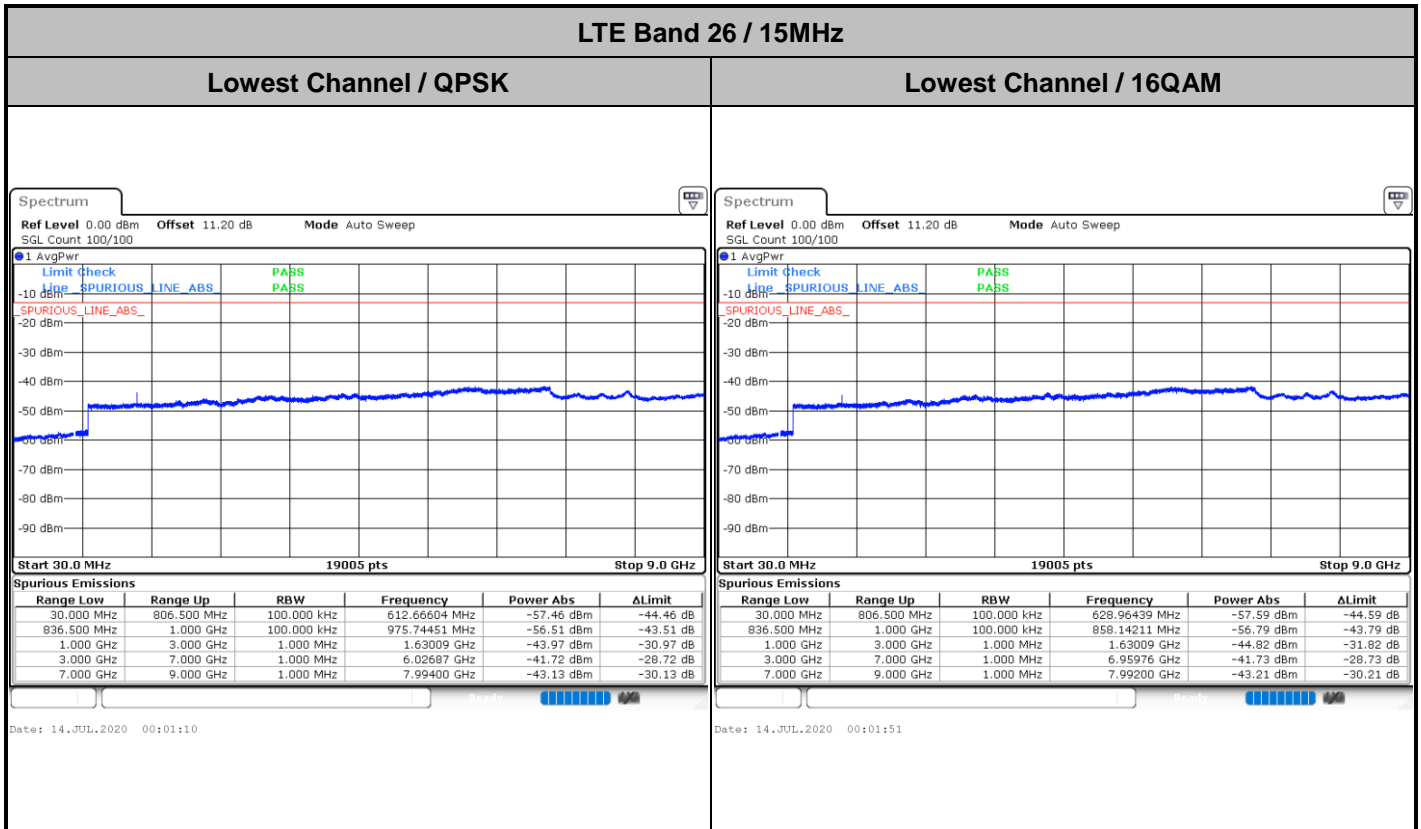
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.JUL.2020 23:58:58

Date: 13.JUL.2020 23:59:40

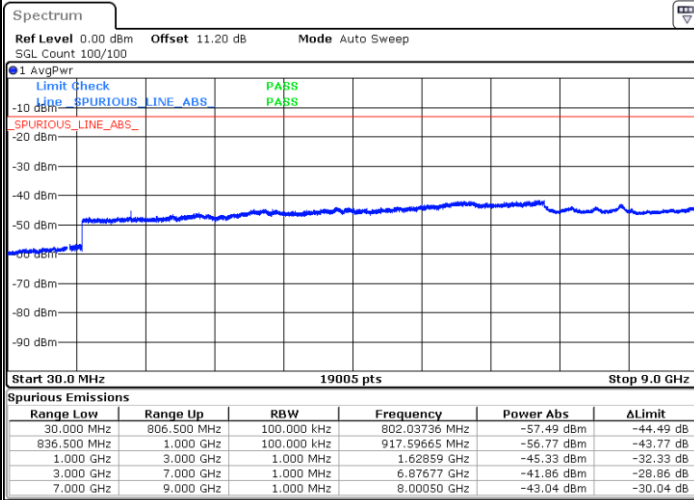




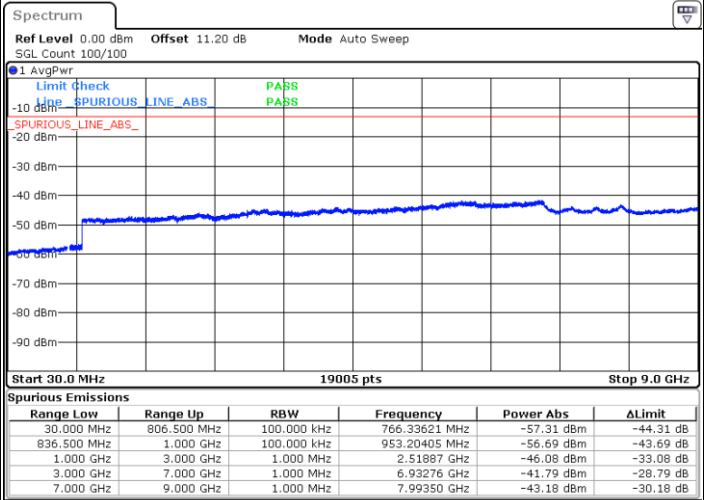
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

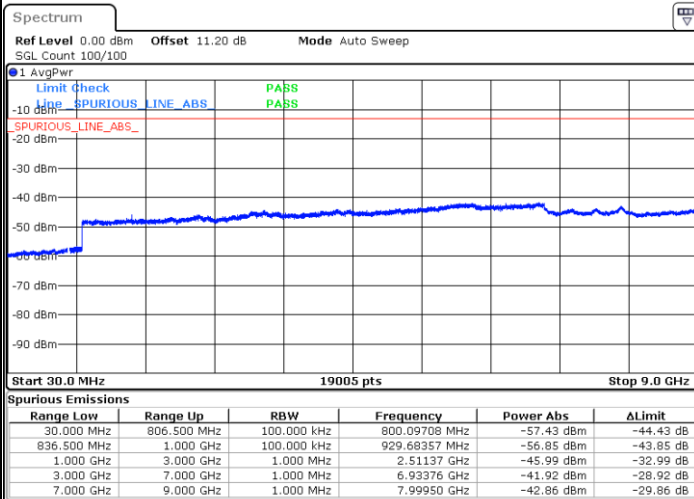


Date: 13.JUL.2020 22:46:33



Date: 13.JUL.2020 22:47:38

Highest Channel / 64QAM



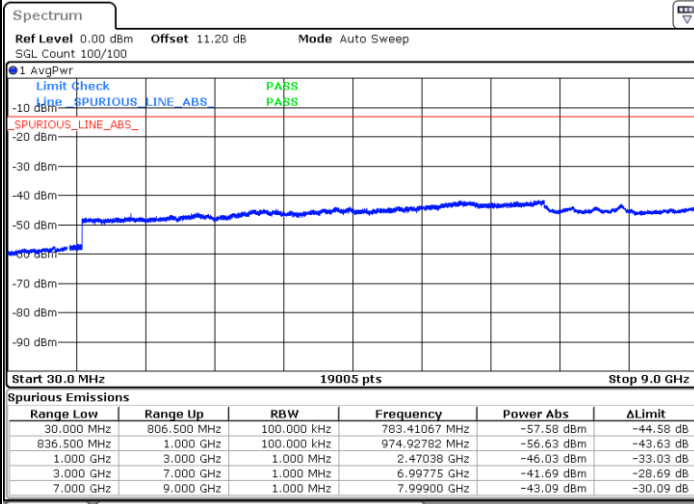
Date: 13.JUL.2020 22:48:44



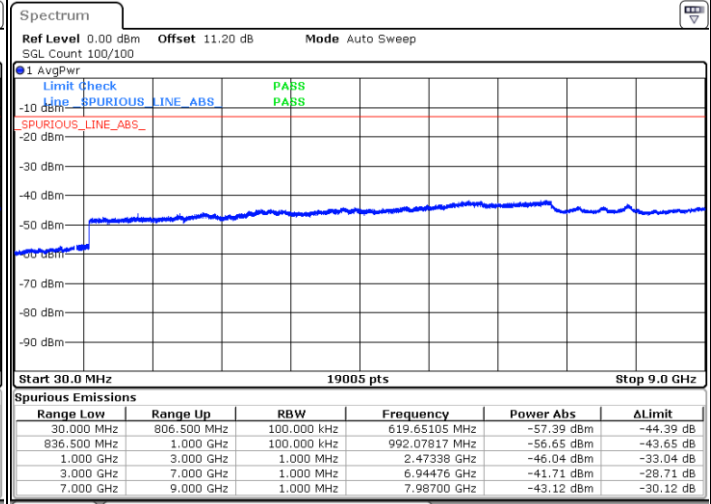
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

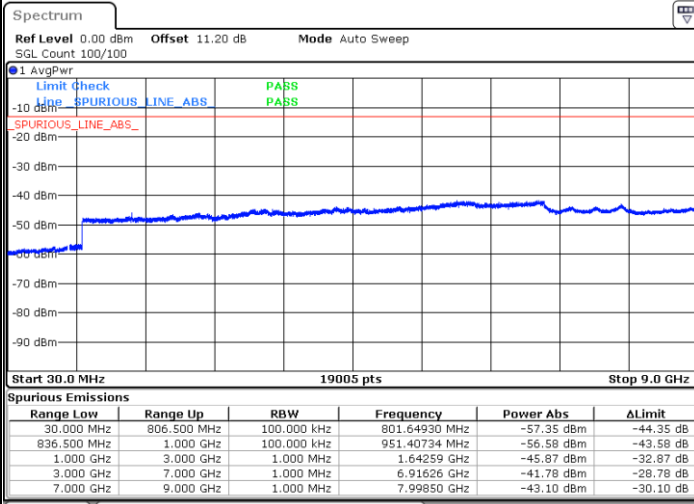


Date: 13.JUL.2020 23:23:08



Date: 13.JUL.2020 23:24:13

Highest Channel / 64QAM



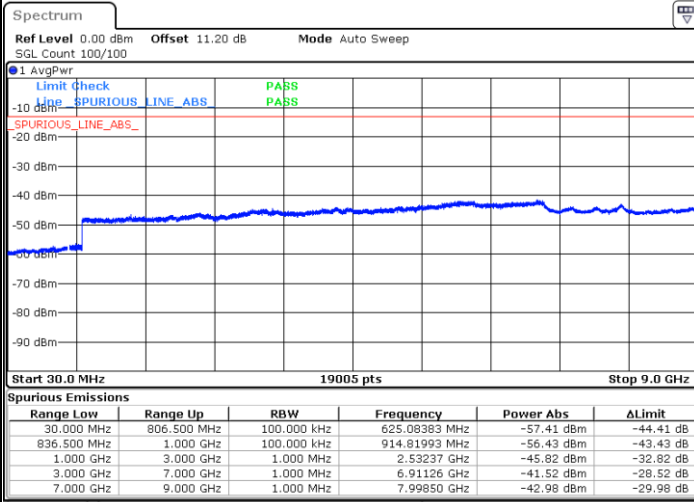
Date: 13.JUL.2020 23:25:18



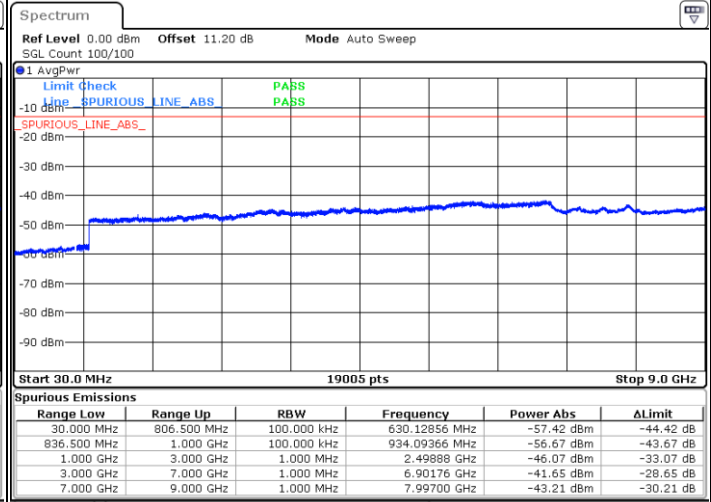
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

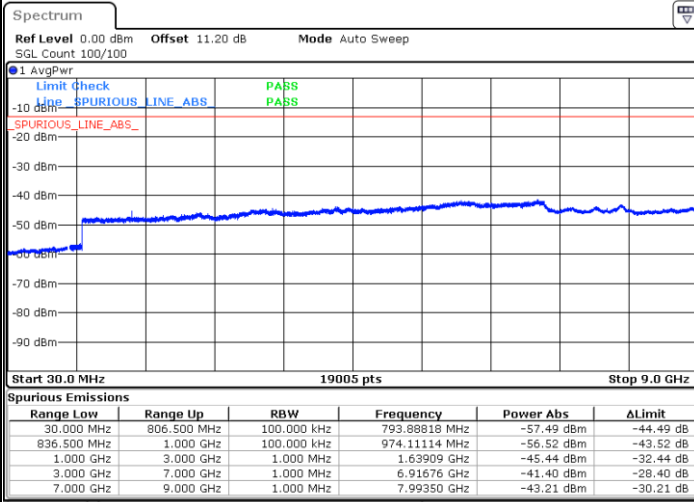


Date: 13.JUL.2020 23:38:39

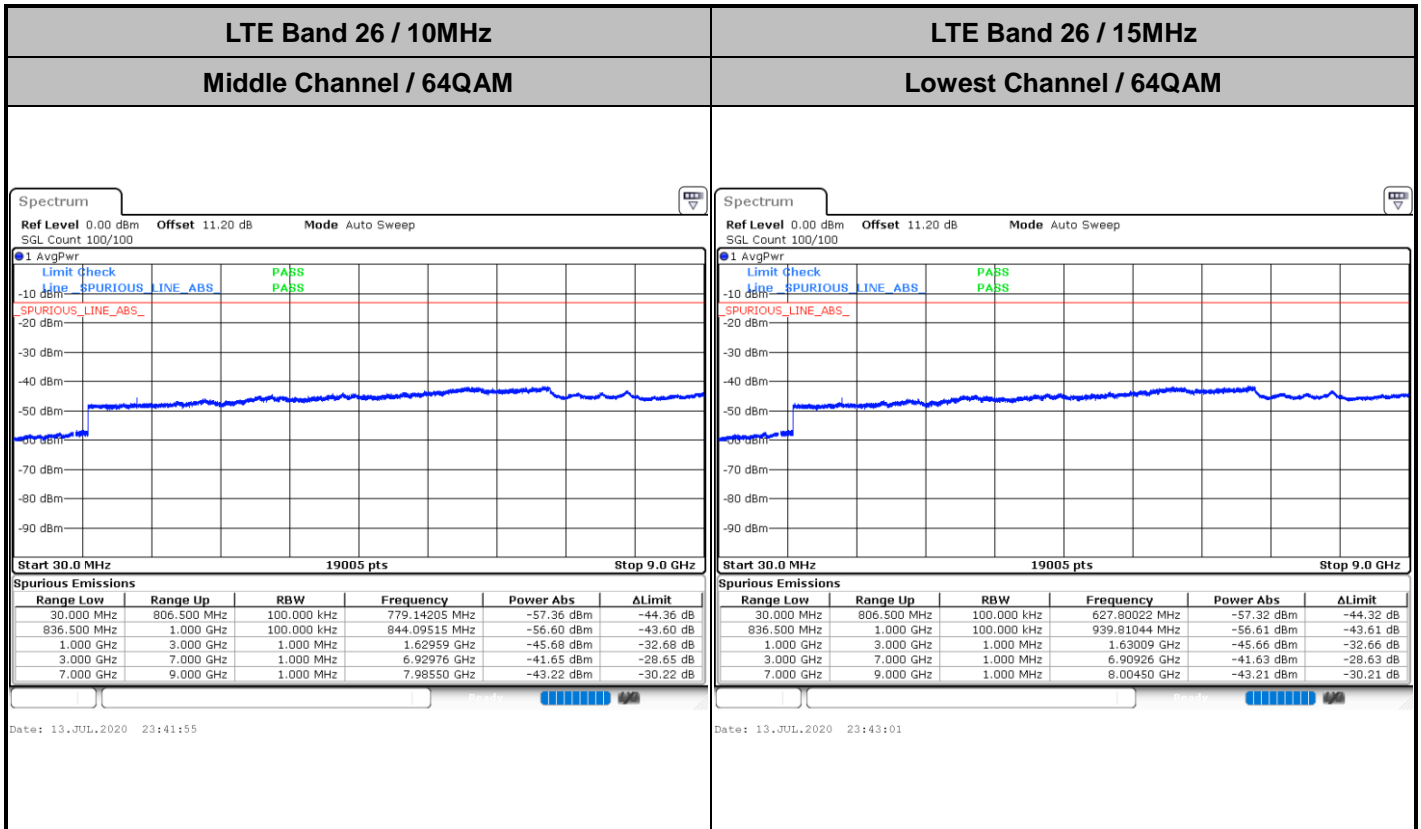


Date: 13.JUL.2020 23:39:44

Highest Channel / 64QAM



Date: 13.JUL.2020 23:40:49





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0227	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0172	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0134	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0172	
-30	Normal Voltage	0.0175	
20	Maximum Voltage	0.0160	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
- 2. 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	0.0075	PASS
40	Normal Voltage	0.0142	
30	Normal Voltage	0.0067	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0102	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0130	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

<Primary Antenna>

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -3.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.76	0.2992	19.01	0.0796
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	23.93	0.2472	18.18	0.0658
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	22.78	0.1897	17.03	0.0505
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



<ASDIV Antenna>

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.45	0.2786	17.70	0.0589
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	23.79	0.2393	17.04	0.0506
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	22.57	0.1807	15.82	0.0382
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

<Primary Antenna>

<Ant. 0>

LTE Band 26

LTE Band 26 / 5MHz / 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	1624	-53.34	-13	-40.34	-64.02	-59.11	0.68	8.60	H
	2436	-49.18	-13	-36.18	-64.85	-56.80	0.94	10.71	H
	3248	-47.88	-13	-34.88	-65.92	-56.29	1.19	11.75	H
									H
									H
	1632	-50.97	-13	-37.97	-61.56	-56.76	0.68	8.63	V
	2436	-49.30	-13	-36.30	-65.06	-56.92	0.94	10.71	V
	3248	-47.51	-13	-34.51	-65.55	-55.92	1.19	11.75	V
									V
									V
Middle	1629	-53.96	-13	-40.96	-64.67	-59.74	0.68	8.62	H
	2443	-50.02	-13	-37.02	-65.7	-57.65	0.94	10.72	H
	3256	-47.77	-13	-34.77	-65.79	-56.19	1.19	11.76	H
									H
									H
	1632	-52.97	-13	-39.97	-63.56	-58.76	0.68	8.63	V
	2443	-50.22	-13	-37.22	-65.97	-57.85	0.94	10.72	V
	3258	-48.70	-13	-35.70	-66.68	-57.13	1.19	11.77	V
									V
									V



Highest	1632	-53.50	-13	-40.50	-64.32	-59.29	0.68	8.63	H
	2451	-49.17	-13	-36.17	-64.85	-56.81	0.94	10.73	H
	3272	-48.62	-13	-35.62	-66.6	-57.07	1.20	11.80	H
									H
									H
									H
									H
	1632	-54.15	-13	-41.15	-64.74	-59.94	0.68	8.63	V
	2451	-49.35	-13	-36.35	-65.08	-56.99	0.94	10.73	V
	3268	-48.67	-13	-35.67	-66.6	-57.12	1.19	11.79	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	1646	-54.24	-13	-41.24	-65.04	-60.08	0.69	8.68	H
	2470	-50.36	-13	-37.36	-66.04	-58.02	0.95	10.76	H
	3293	-48.37	-13	-35.37	-65.91	-56.86	1.20	11.84	H
									H
									H
									H
									H
	1646	-53.69	-13	-40.69	-64.38	-59.53	0.69	8.68	V
	2470	-50.40	-13	-37.40	-66.09	-58.06	0.95	10.76	V
	3293	-48.63	-13	-35.63	-66.02	-57.12	1.20	11.84	V
									V
									V
									V
									V

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



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	1632	-53.75	-13	-40.75	-64.48	-59.54	0.68	8.63	H
	2451	-49.70	-13	-36.70	-65.38	-57.34	0.94	10.73	H
	3268	-47.96	-13	-34.96	-65.95	-56.41	1.19	11.79	H
									H
									H
									H
									H
	1632	-52.04	-13	-39.04	-62.63	-57.83	0.68	8.63	V
	2451	-49.51	-13	-36.51	-65.24	-57.15	0.94	10.73	V
	3268	-48.35	-13	-35.35	-66.28	-56.80	1.19	11.79	V
									V
									V
									V
									V

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



<ASDIV Antenna>

<Ant. 1>

LTE Band 26

LTE Band 26 / 5MHz / 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	1624	-54.05	-13	-41.05	-64.73	-59.82	0.68	8.60	H
	2443	-43.75	-13	-30.75	-59.43	-51.38	0.94	10.72	H
	3257	-47.52	-13	-34.52	-65.54	-55.94	1.19	11.77	H
									H
									H
									H
	1624	-53.92	-13	-40.92	-64.49	-59.69	0.68	8.60	V
	2443	-48.21	-13	-35.21	-63.96	-55.84	0.94	10.72	V
	3257	-47.21	-13	-34.21	-65.2	-55.63	1.19	11.77	V
									V
									V
									V
Middle	1632	-54.22	-13	-41.22	-64.95	-60.01	0.68	8.63	H
	2450	-44.57	-13	-31.57	-60.26	-52.21	0.94	10.73	H
	3267	-48.24	-13	-35.24	-66.24	-56.68	1.19	11.79	H
									H
									H
									H
	1632	-53.74	-13	-40.74	-64.33	-59.53	0.68	8.63	V
	2450	-47.20	-13	-34.20	-62.94	-54.84	0.94	10.73	V
	3267	-47.90	-13	-34.90	-65.83	-56.34	1.19	11.79	V
									V
									V
									V



Highest	1638	-53.53	-13	-40.53	-64.29	-59.34	0.69	8.65	H
	2458	-44.33	-13	-31.33	-60.01	-51.98	0.94	10.74	H
	3280	-48.15	-13	-35.15	-66.11	-56.62	1.20	11.82	H
									H
									H
									H
									H
	1638	-53.87	-13	-40.87	-64.51	-59.68	0.69	8.65	V
	2458	-47.39	-13	-34.39	-63.1	-55.04	0.94	10.74	V
	3280	-48.14	-13	-35.14	-66.01	-56.61	1.20	11.82	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	1632	-54.00	-13	-41.00	-64.73	-59.79	0.68	8.63	H
	2443	-47.06	-13	-34.06	-62.74	-54.69	0.94	10.72	H
	3258	-47.95	-13	-34.95	-65.96	-56.38	1.19	11.77	H
									H
									H
									H
									H
	1632	-54.32	-13	-41.32	-64.91	-60.11	0.68	8.63	V
	2443	-49.28	-13	-36.28	-65.03	-56.91	0.94	10.72	V
	3258	-48.22	-13	-35.22	-66.2	-56.65	1.19	11.77	V
									V
									V
									V
									V

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



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	1633	-54.02	-13	-41.02	-64.75	-59.82	0.68	8.63	H
	2449.5	-44.66	-13	-31.66	-60.34	-52.29	0.94	10.73	H
	3266	-48.60	-13	-35.60	-66.61	-57.04	1.19	11.79	H
									H
									H
									H
									H
	1633	-53.98	-13	-40.98	-64.57	-59.78	0.68	8.63	V
	2449.5	-47.22	-13	-34.22	-62.95	-54.85	0.94	10.73	V
	3266	-47.52	-13	-34.52	-65.49	-55.96	1.19	11.79	V
									V
									V
									V
									V

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

—————THE END—————