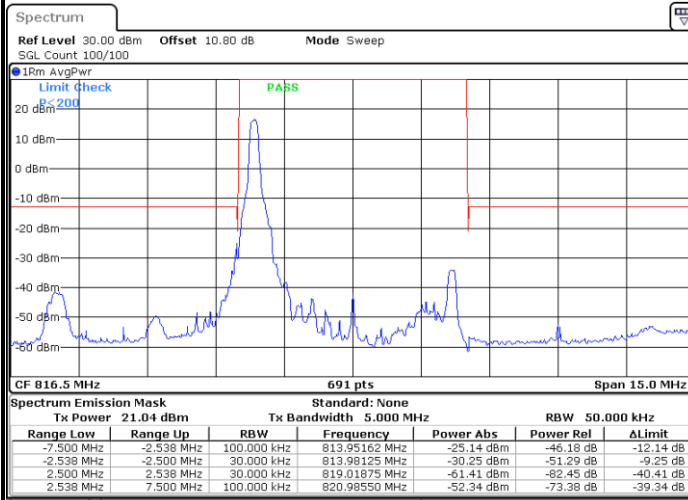




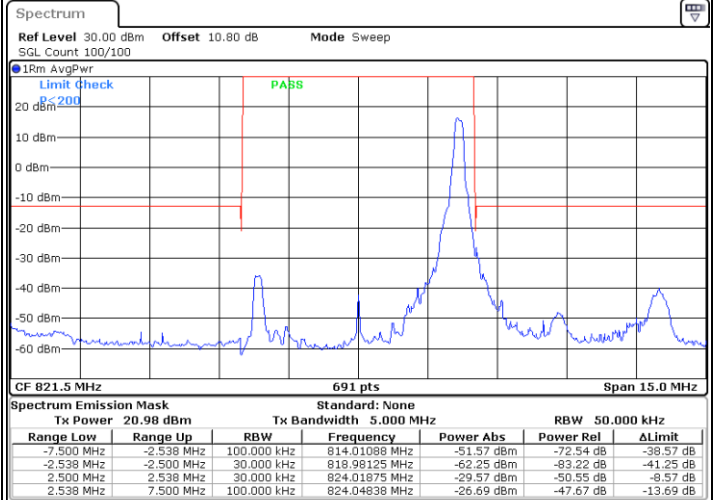
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



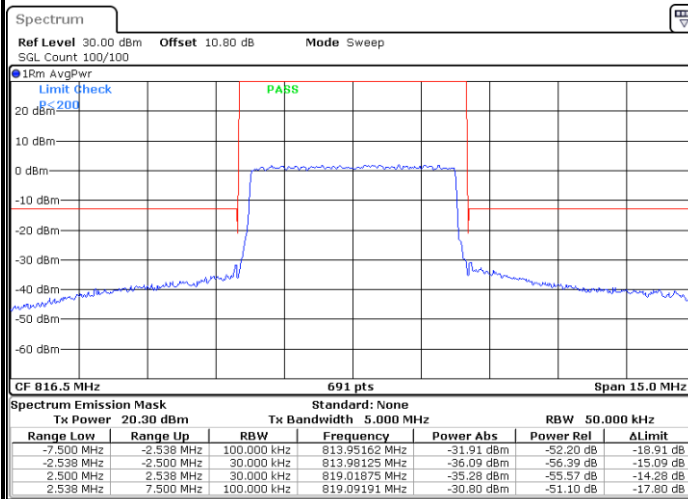
Date: 11.JAN.2018 13:57:37

Highest Band Edge / 1 RB



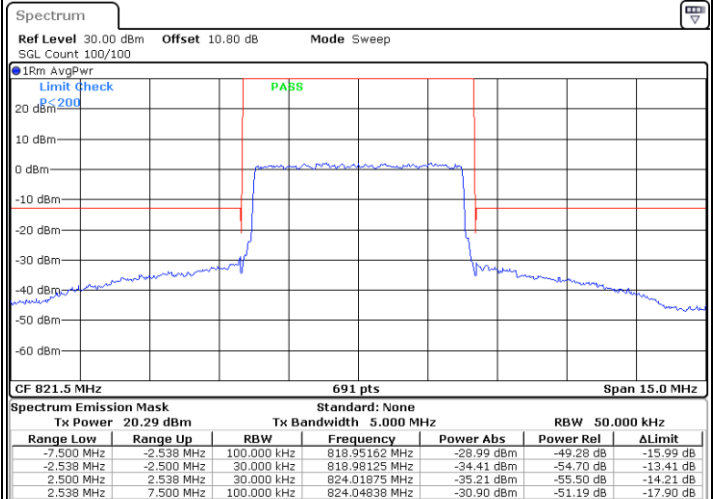
Date: 11.JAN.2018 14:02:13

Lowest Band Edge / Full RB



Date: 11.JAN.2018 13:59:55

Highest Band Edge / Full RB

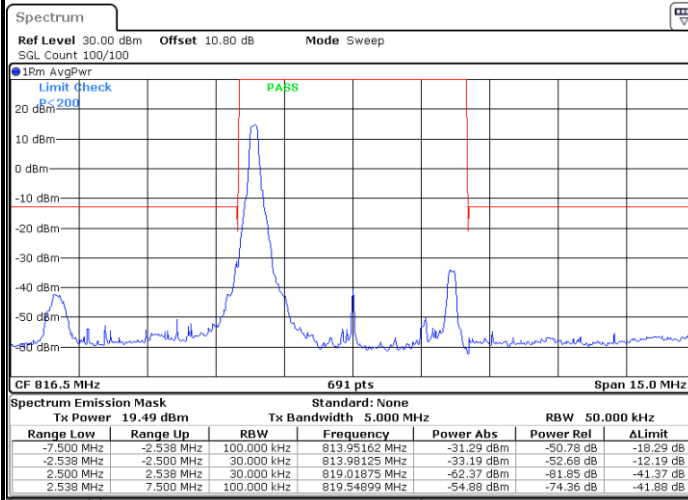


Date: 11.JAN.2018 14:04:31

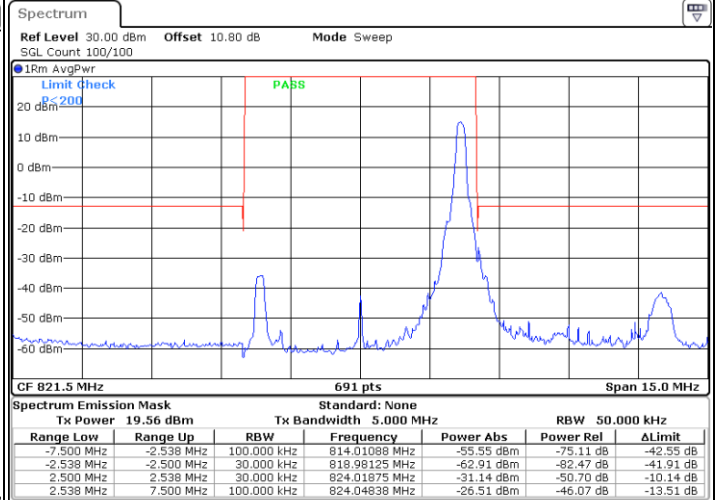


LTE Band 26 / 5MHz / 64QAM

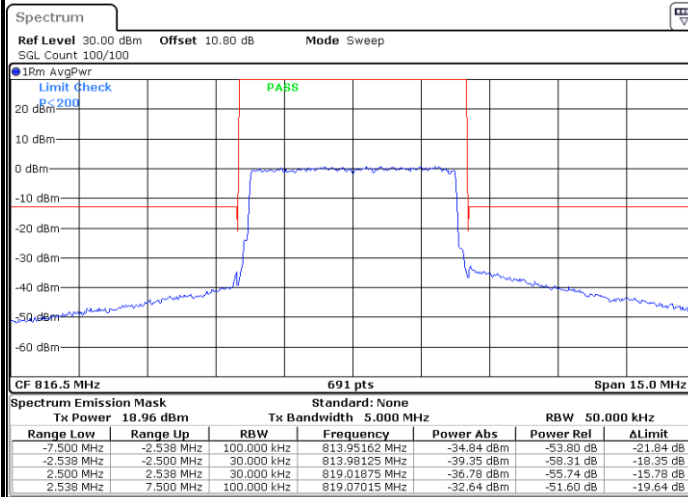
Lowest Band Edge / 1RB



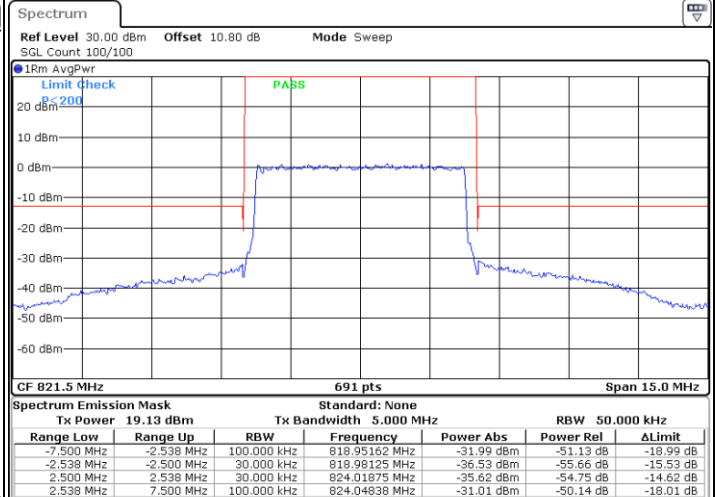
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



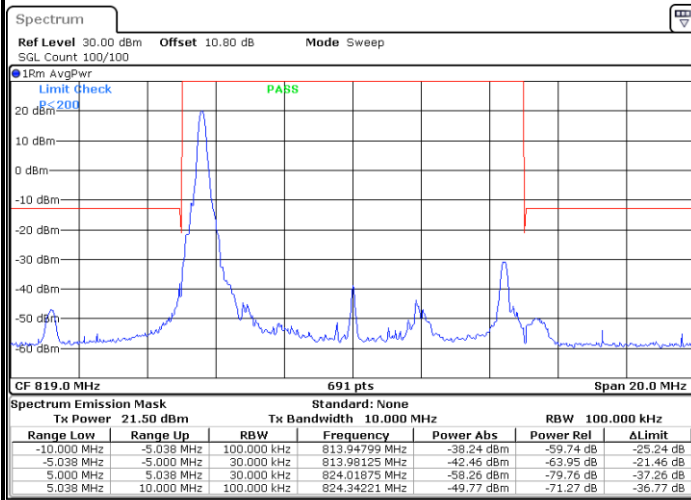
Highest Band Edge / Full RB



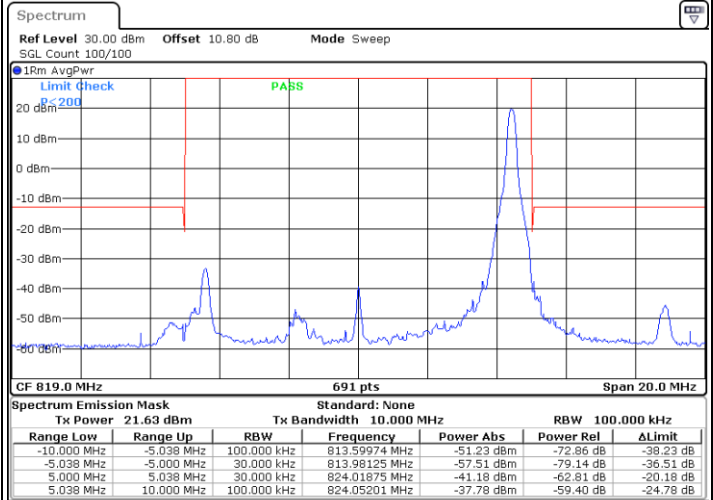


LTE Band 26 / 10MHz / QPSK

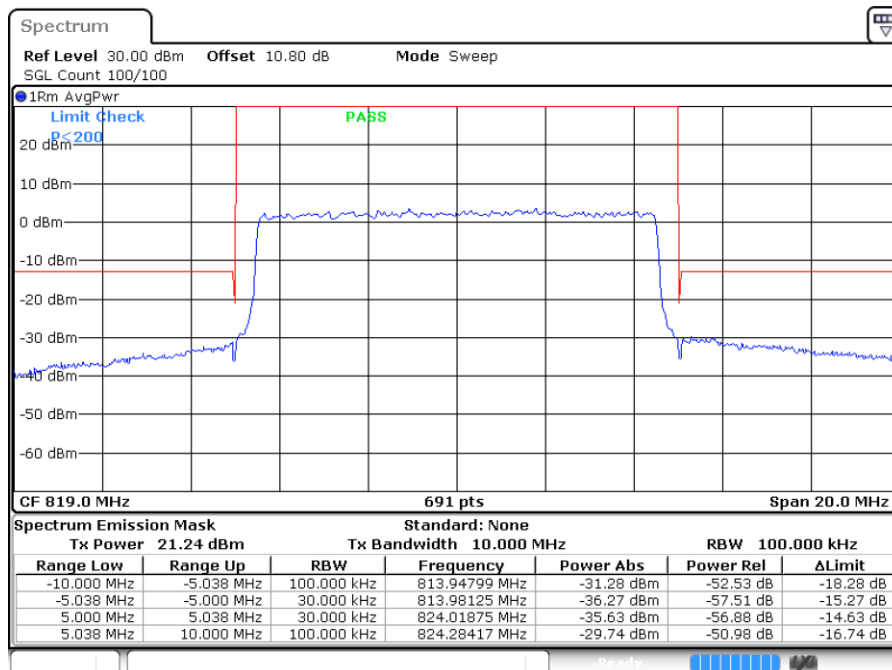
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



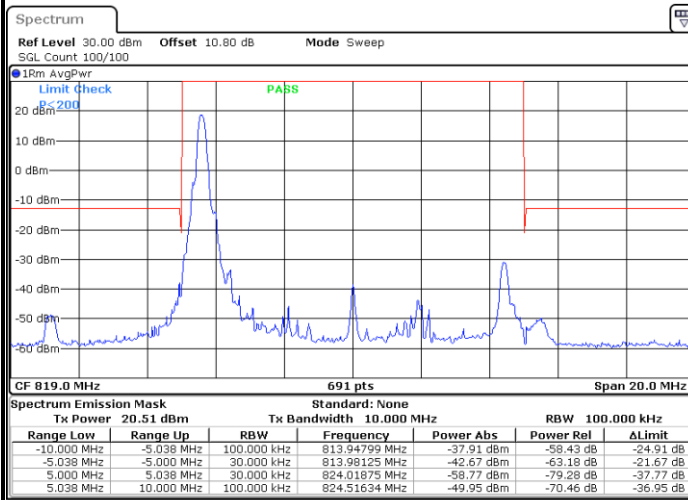
Band Edge / Full RB





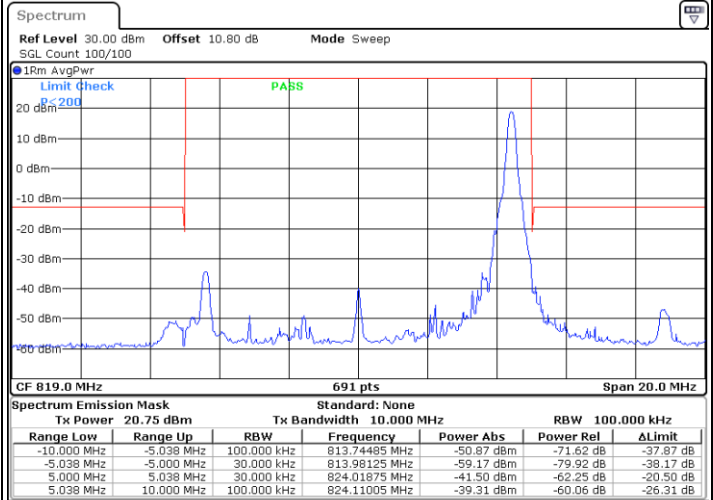
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



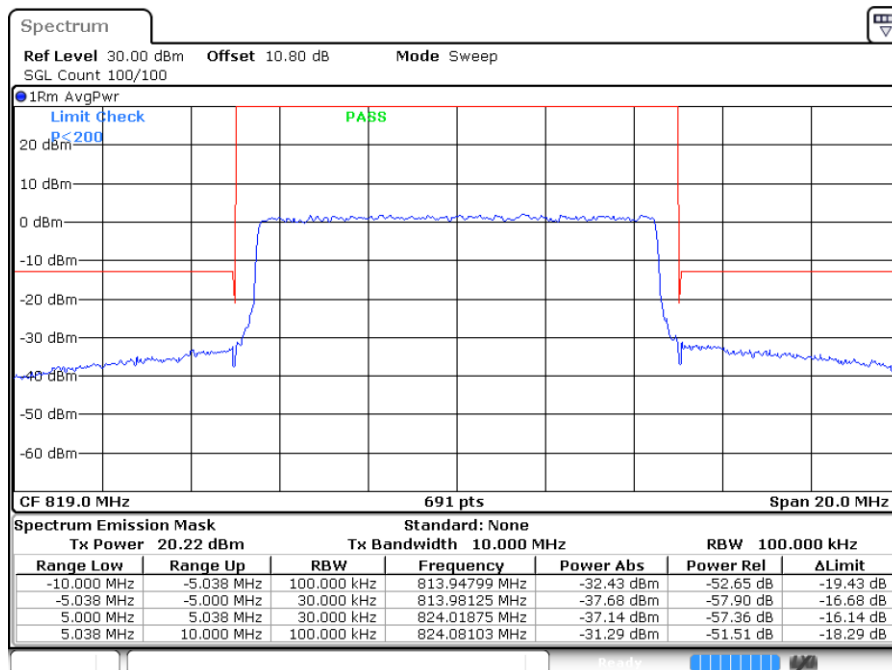
Date: 11 JAN 2018 14:06:49

Highest Band Edge / 1 RB



Date: 11 JAN 2018 14:09:07

Band Edge / Full RB

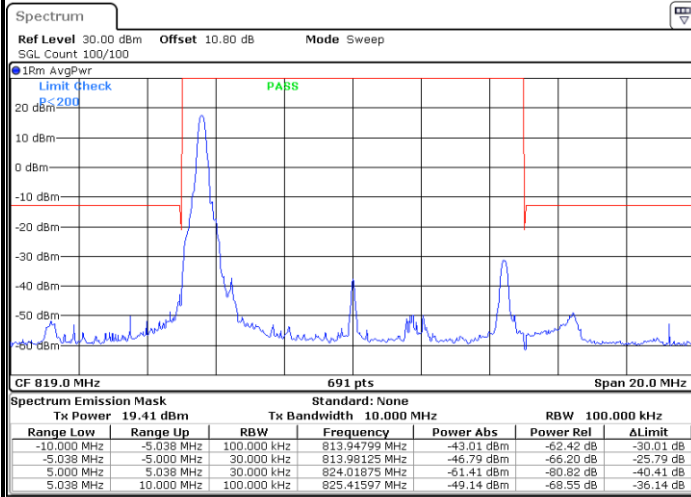


Date: 11 JAN 2018 14:11:24



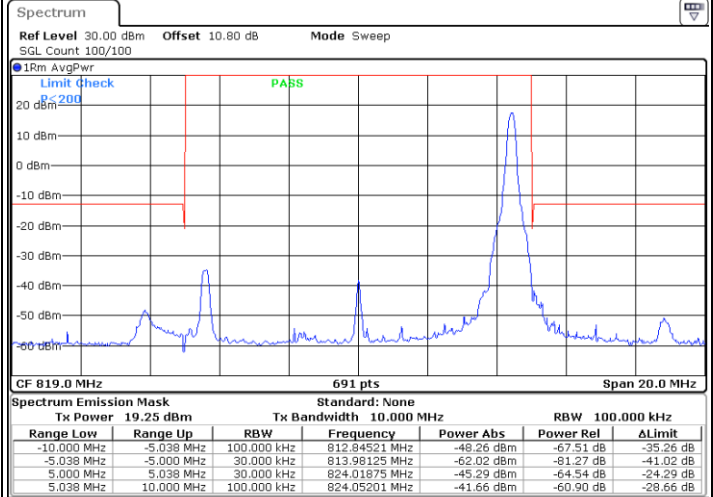
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



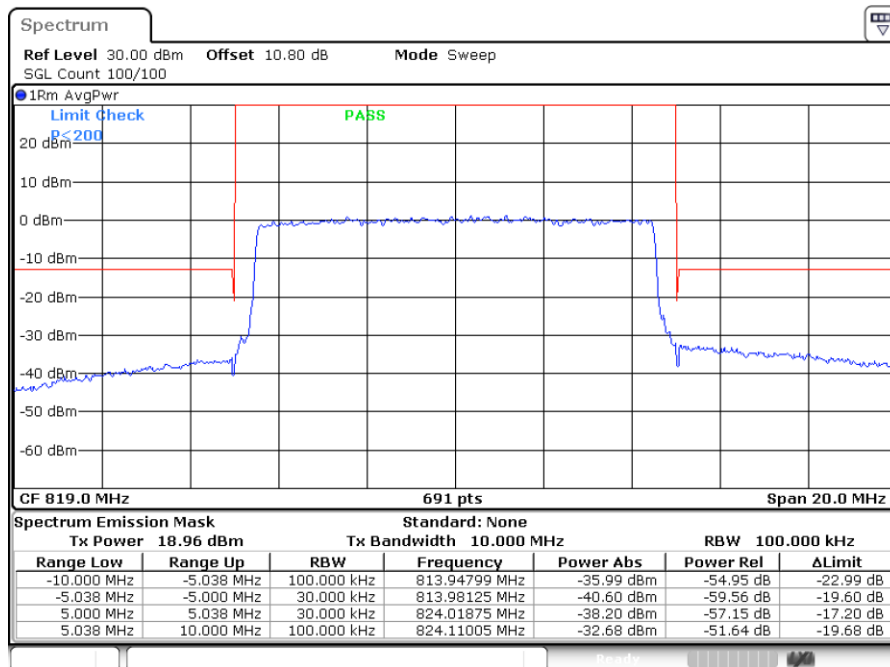
Date: 2.FEB.2018 11:30:22

Highest Band Edge / 1 RB



Date: 2.FEB.2018 11:00:50

Band Edge / Full RB

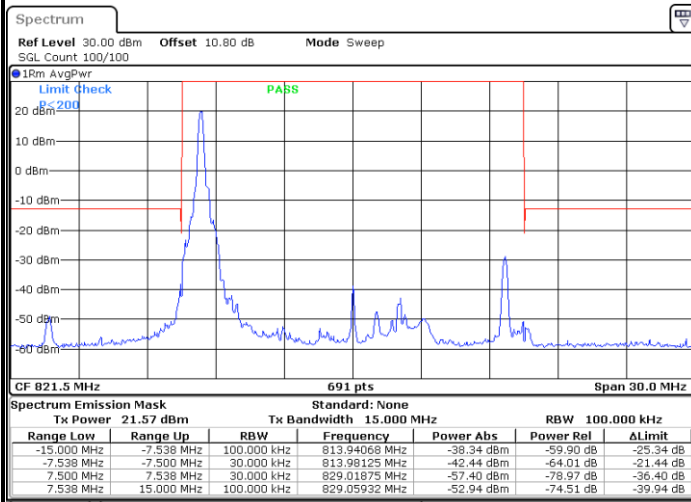


Date: 2.FEB.2018 11:02:01



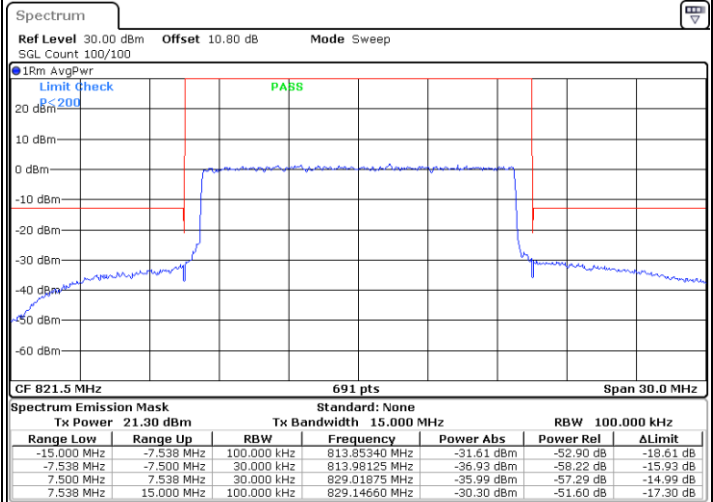
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 11.JAN.2018 14:12:33

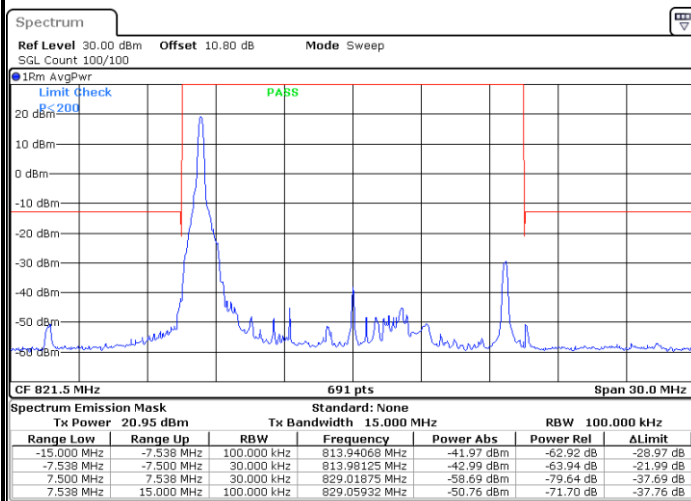
Lowest Band Edge / Full RB



Date: 11.JAN.2018 14:17:09

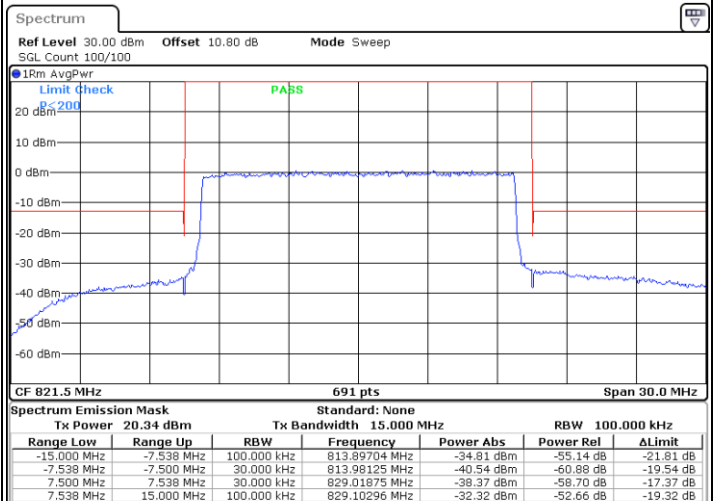
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 11.JAN.2018 14:13:42

Lowest Band Edge / Full RB

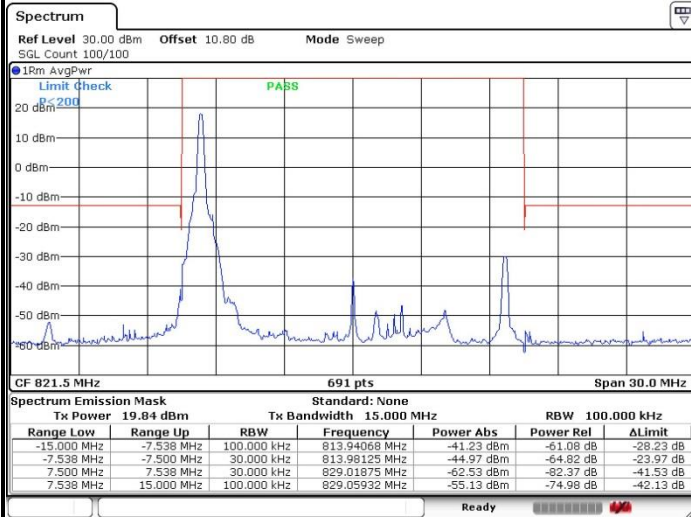


Date: 11.JAN.2018 14:18:18



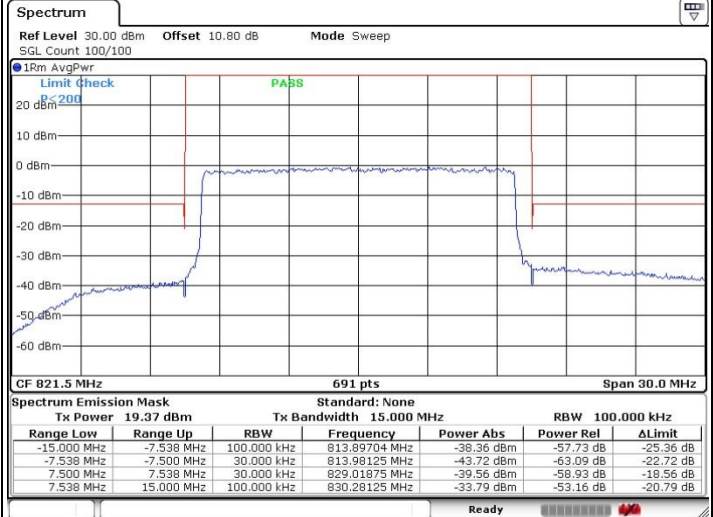
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 5.FEB.2018 13:53:22

Lowest Band Edge / Full RB



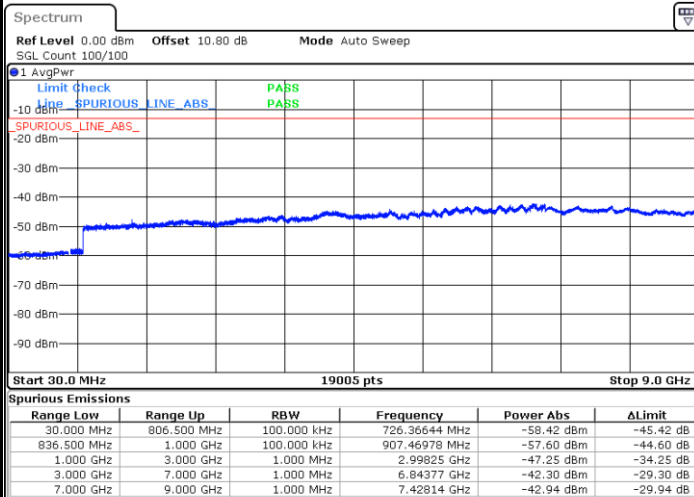
Date: 5.FEB.2018 13:53:58



Conducted Spurious Emission

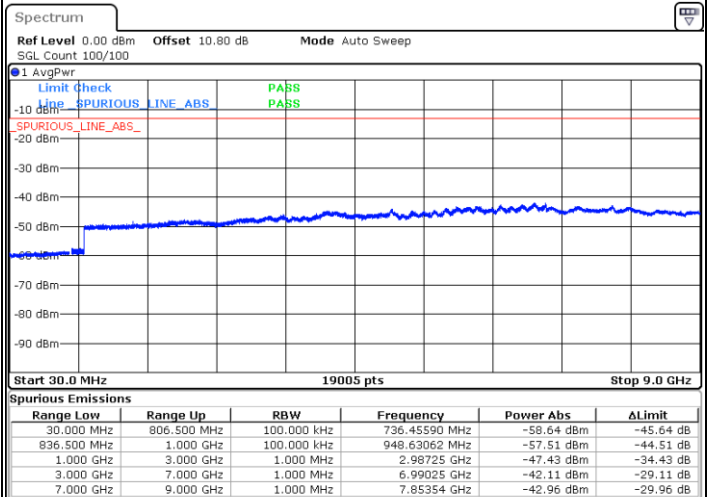
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



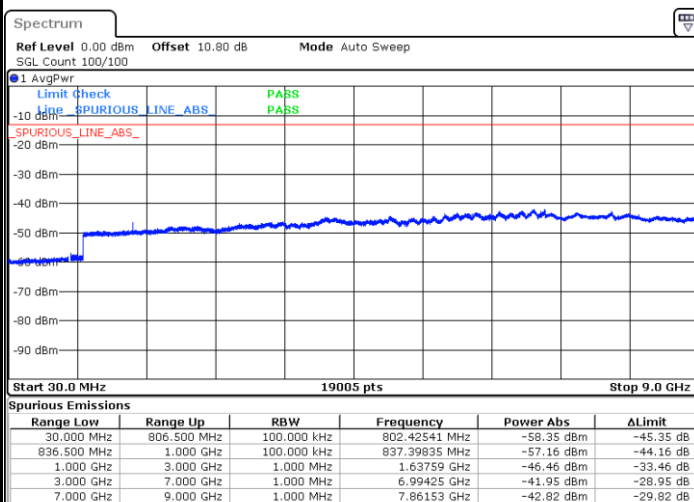
Date: 11.JAN.2018 14:43:39

Lowest Channel / 16QAM



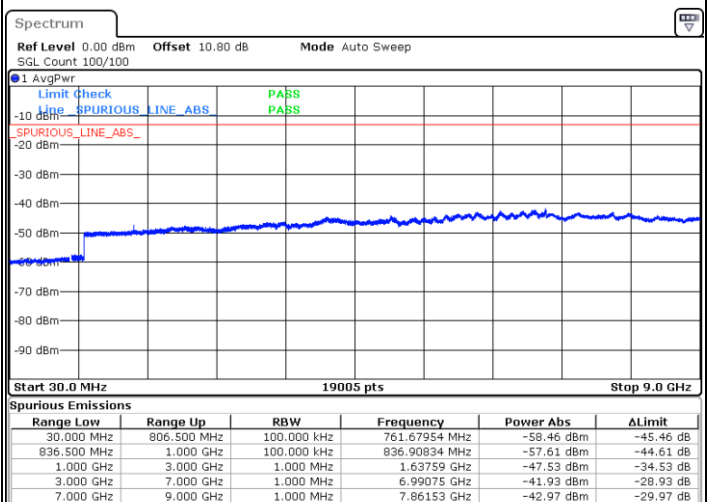
Date: 11.JAN.2018 14:44:34

Middle Channel / QPSK



Date: 11.JAN.2018 14:46:09

Middle Channel / 16QAM

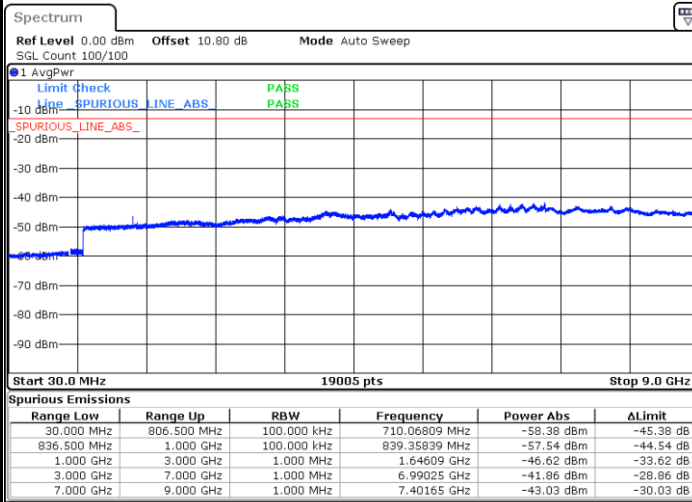


Date: 11.JAN.2018 14:47:04



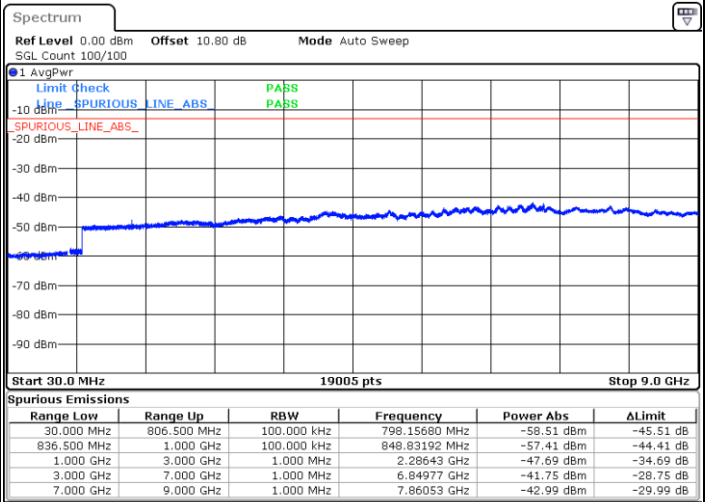
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 11.JAN.2018 14:48:40

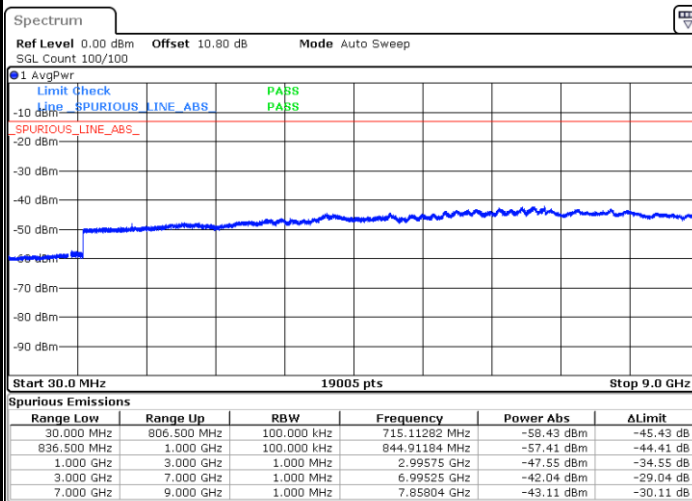
Highest Channel / 16QAM



Date: 11.JAN.2018 14:49:35

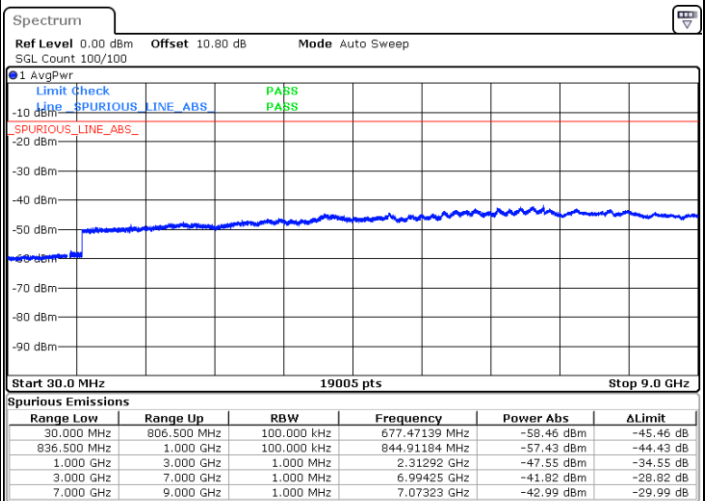
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 11.JAN.2018 14:19:54

Lowest Channel / 16QAM

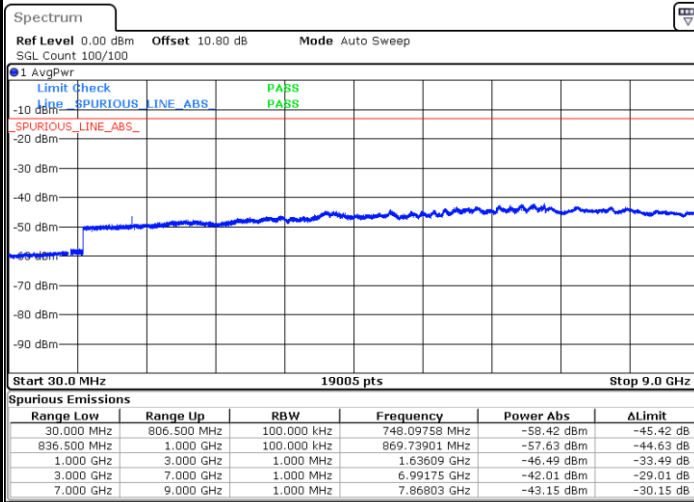


Date: 11.JAN.2018 14:20:49



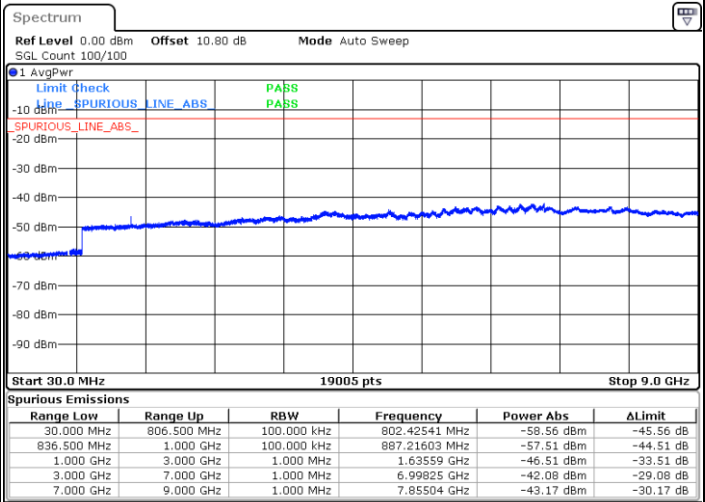
LTE Band 26 / 3MHz

Middle Channel / QPSK



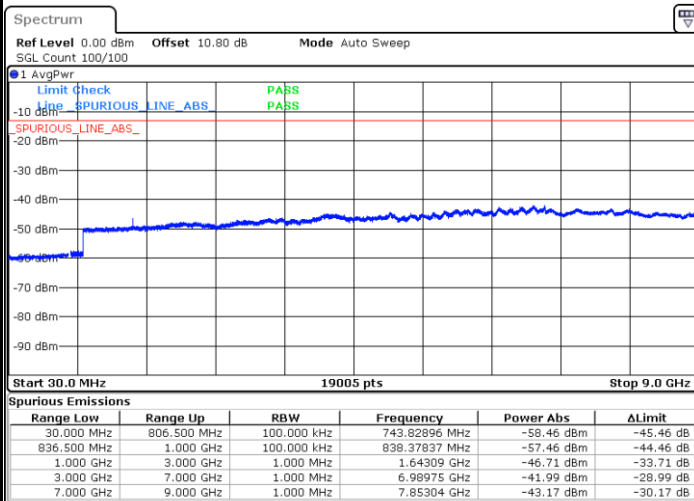
Date: 11.JAN.2018 14:22:25

Middle Channel / 16QAM



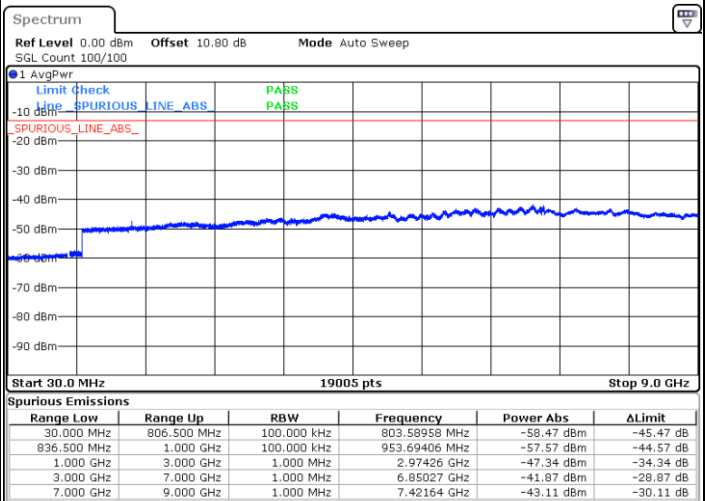
Date: 11.JAN.2018 14:23:20

Highest Channel / QPSK



Date: 11.JAN.2018 14:24:55

Highest Channel / 16QAM

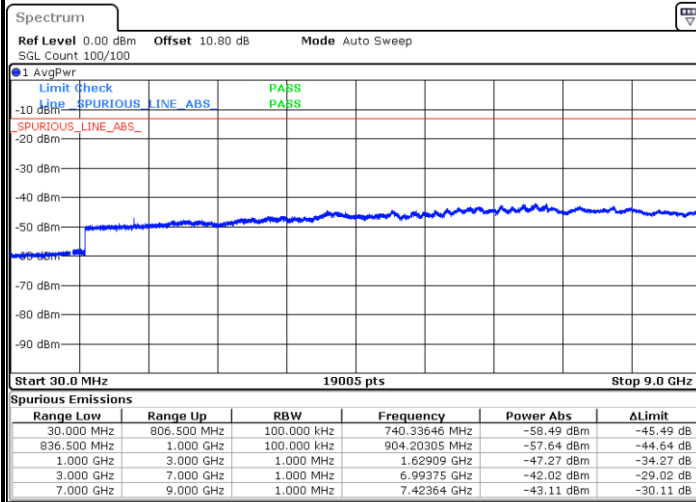


Date: 11.JAN.2018 14:25:50



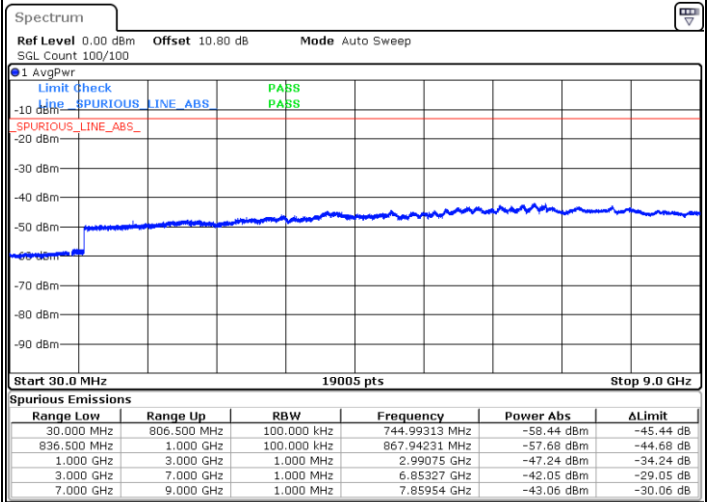
LTE Band 26 / 5MHz

Lowest Channel / QPSK



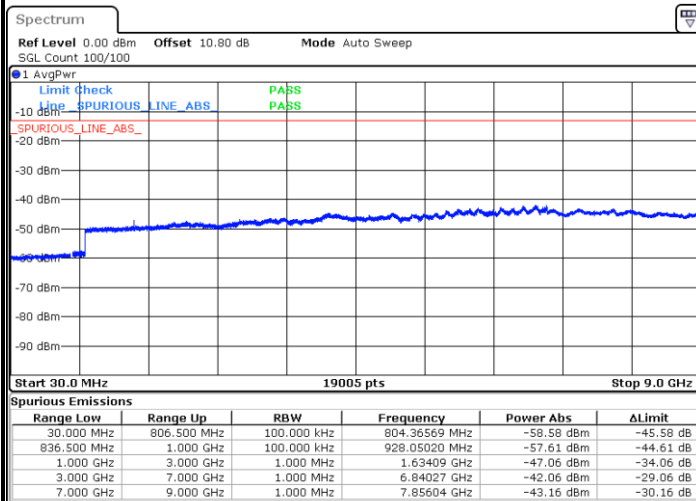
Date: 11.JAN.2018 14:27:26

Lowest Channel / 16QAM



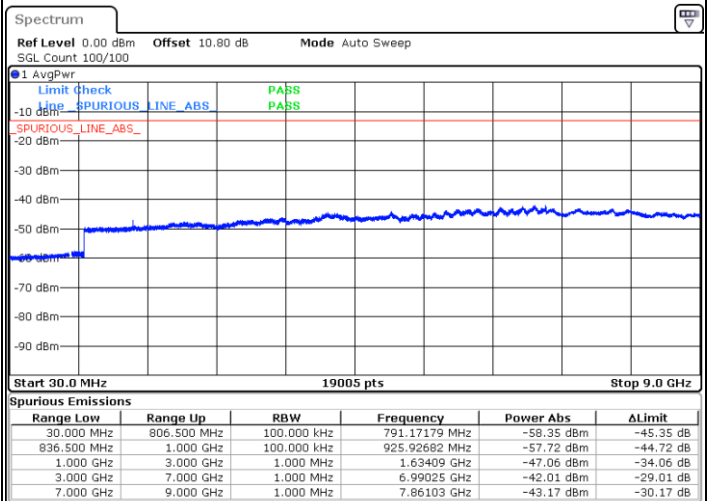
Date: 11.JAN.2018 14:28:21

Middle Channel / QPSK



Date: 11.JAN.2018 14:29:56

Middle Channel / 16QAM

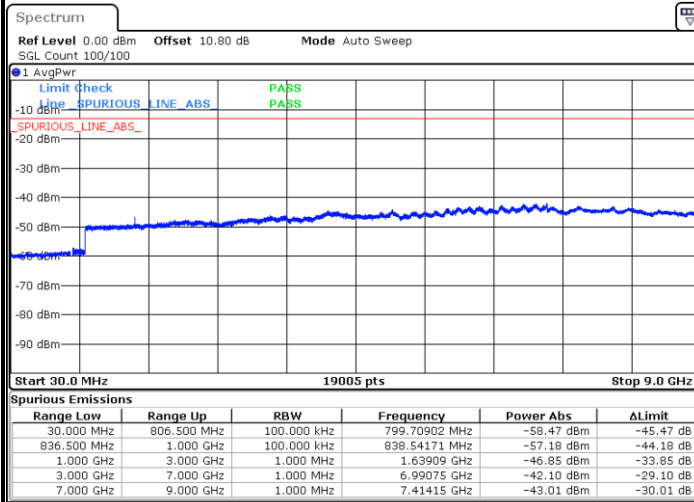


Date: 11.JAN.2018 14:30:51



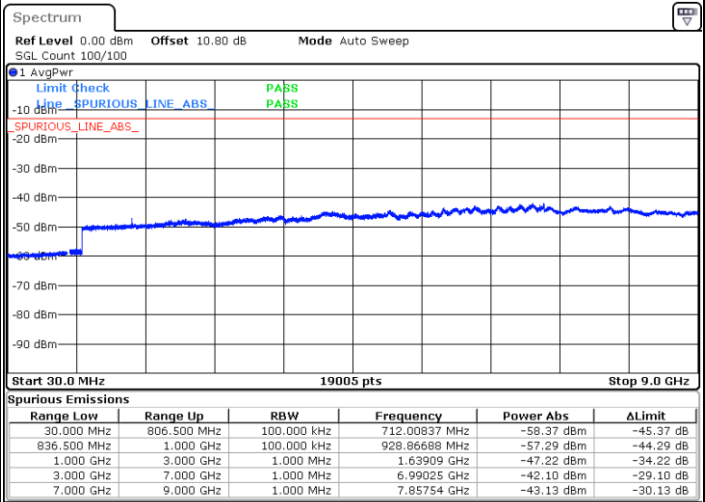
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 11.JAN.2018 14:32:27

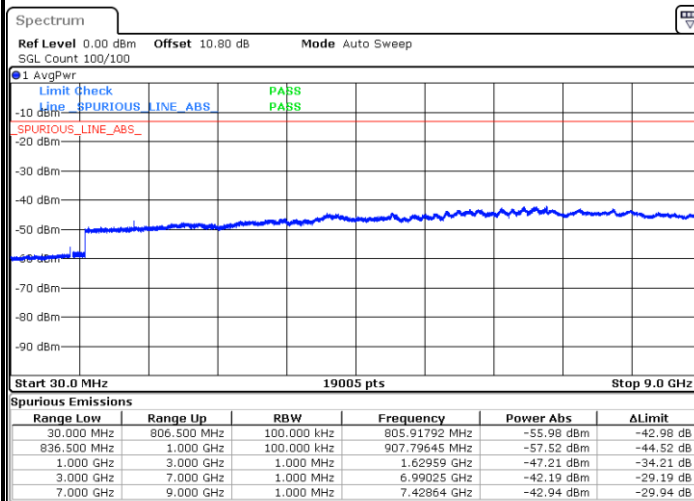
Highest Channel / 16QAM



Date: 11.JAN.2018 14:33:22

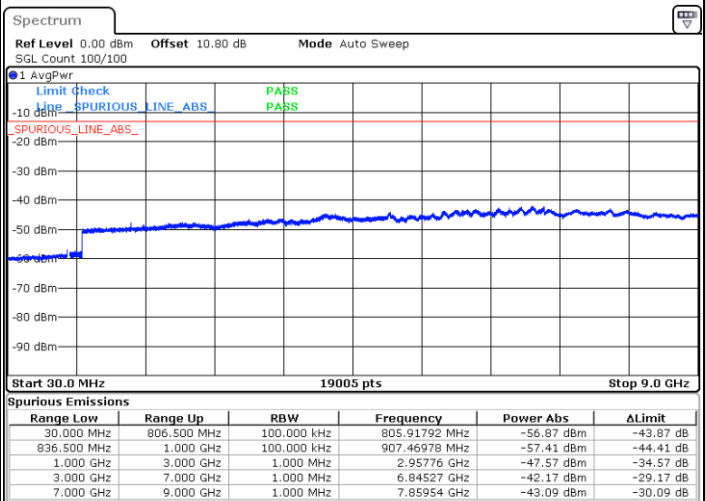
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 11.JAN.2018 14:34:57

Middle Channel / 16QAM

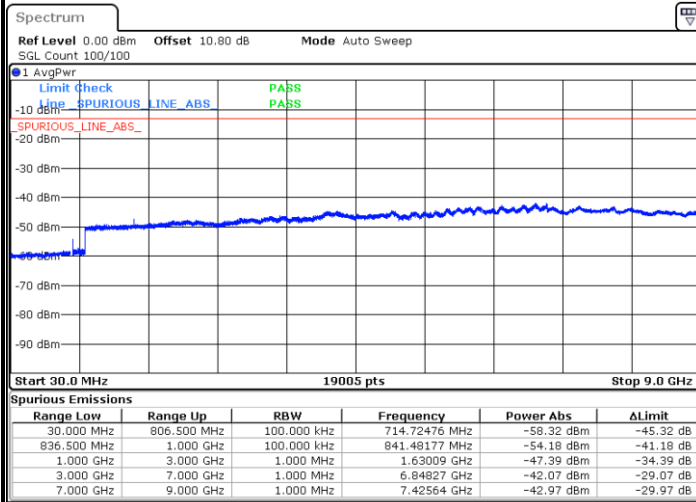


Date: 11.JAN.2018 14:35:52



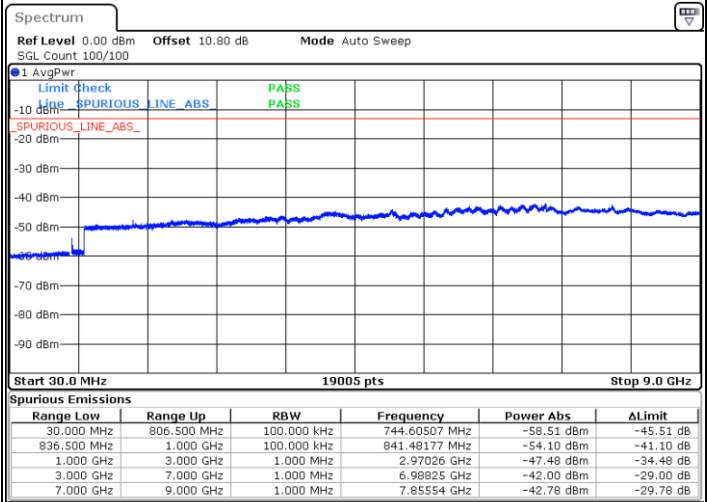
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 11.JAN.2018 14:37:28

Lowest Channel / 16QAM

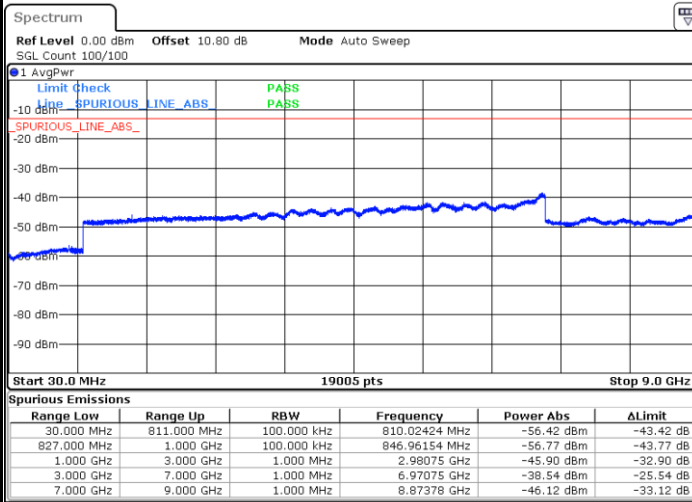


Date: 11.JAN.2018 14:38:23



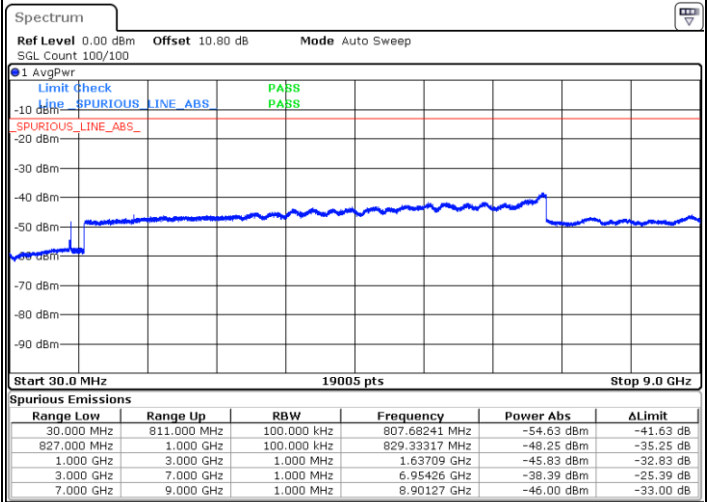
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



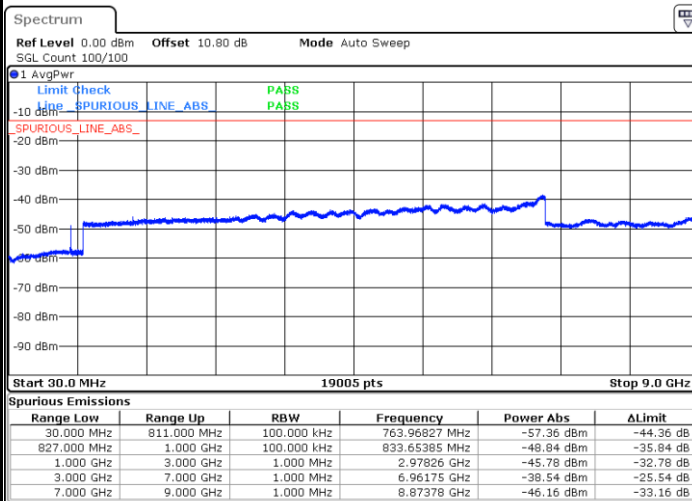
Date: 2.FEB.2018 11:22:03

Middle Channel / 64QAM



Date: 2.FEB.2018 11:23:24

Highest Channel / 64QAM

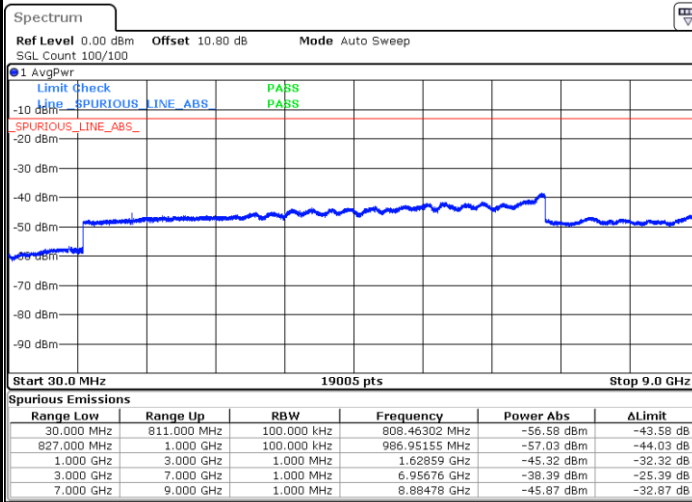


Date: 2.FEB.2018 11:24:45



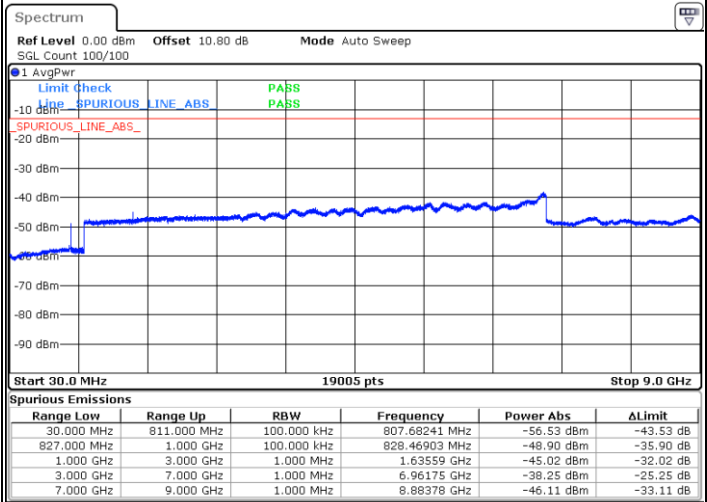
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



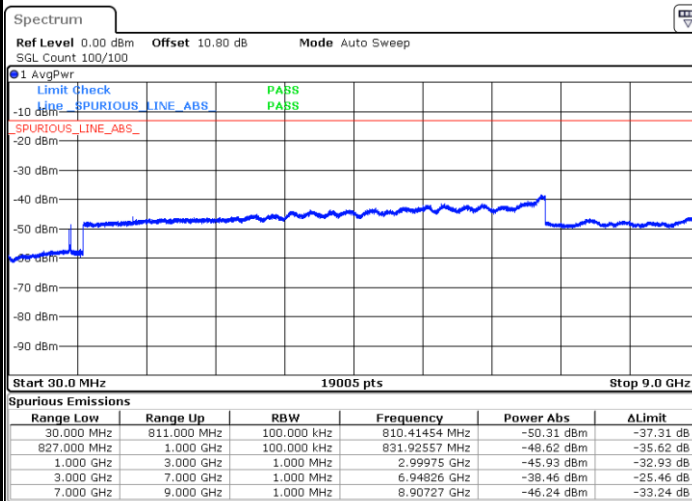
Date: 2.FEB.2018 11:07:33

Middle Channel / 64QAM



Date: 2.FEB.2018 11:08:54

Highest Channel / 64QAM

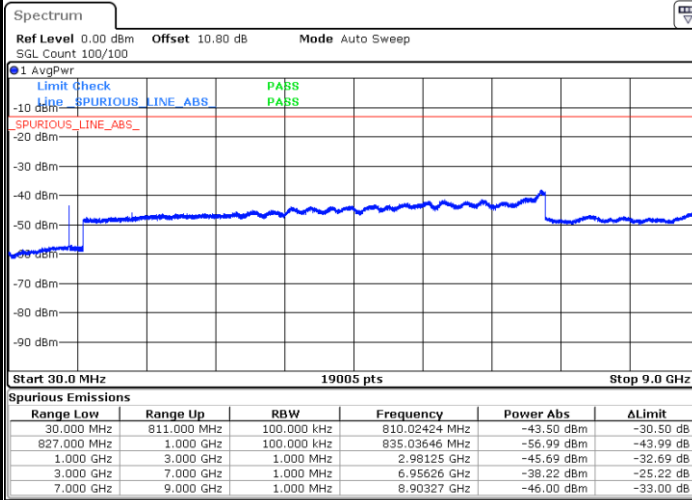


Date: 2.FEB.2018 11:10:15



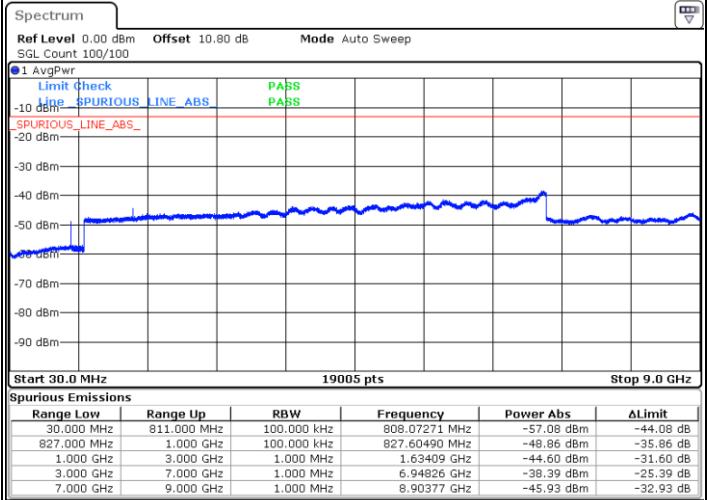
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



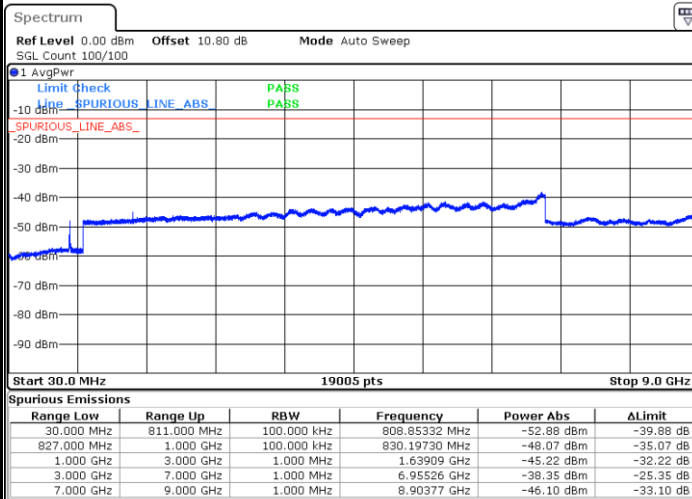
Date: 2.FEB.2018 11:11:36

Middle Channel / 64QAM



Date: 2.FEB.2018 11:12:57

Highest Channel / 64QAM

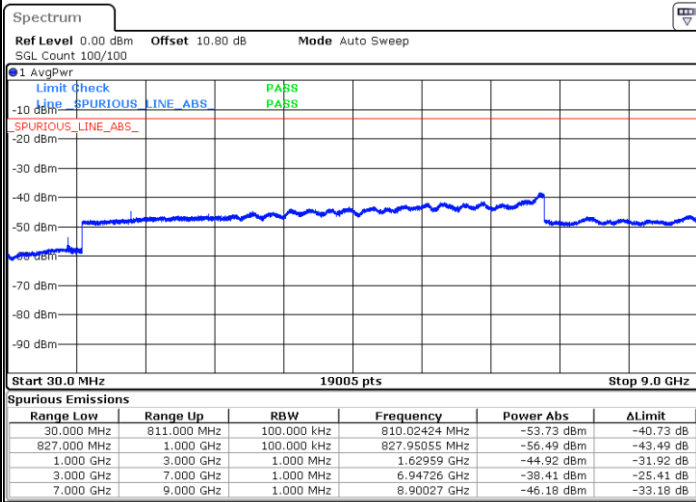


Date: 2.FEB.2018 11:14:18



LTE Band 26 / 10MHz

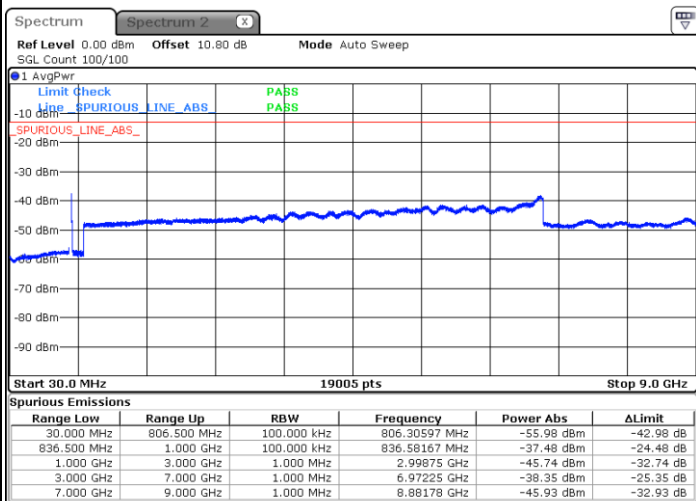
Middle Channel / 64QAM



Date: 2.FEB.2018 11:15:39

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 6.FEB.2018 00:37:52

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	0.0044	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 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	0.0079	PASS
40	Normal Voltage	0.0151	
30	Normal Voltage	0.0130	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0121	
0	Normal Voltage	0.0162	
-10	Normal Voltage	0.0130	
-20	Normal Voltage	0.0119	
-30	Normal Voltage	0.0135	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0102	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

LTE Band 26 / 1.4MHz (Average) (GT - LC =-2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	22.99	0.1991	17.94	0.0622
Middle		3	1	23.12	0.2051	18.07	0.0641
Highest		3	1	23.04	0.2014	17.99	0.0630
Lowest	16QAM	1	3	22.24	0.1675	17.19	0.0524
Middle		1	3	22.35	0.1718	17.30	0.0537
Highest		1	3	22.22	0.1667	17.17	0.0521
Lowest	64QAM	1	3	21.14	0.1300	16.09	0.0406
Middle		1	3	21.24	0.1330	16.19	0.0416
Highest		1	3	21.15	0.1303	16.10	0.0407
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC =-2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.94	0.1968	17.89	0.0615
Middle		1	0	23.10	0.2042	18.05	0.0638
Highest		1	0	23.05	0.2018	18.00	0.0631
Lowest	16QAM	1	0	22.26	0.1683	17.21	0.0526
Middle		1	0	22.41	0.1742	17.36	0.0545
Highest		1	0	22.37	0.1726	17.32	0.0540
Lowest	64QAM	1	0	21.13	0.1297	16.08	0.0406
Middle		1	0	21.28	0.1343	16.23	0.0420
Highest		1	0	21.26	0.1337	16.21	0.0418
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC =-2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.99	0.1991	17.94	0.0622
Middle		1	0	23.12	0.2051	18.07	0.0641
Highest		1	0	23.11	0.2046	18.06	0.0640
Lowest	16QAM	1	0	22.29	0.1694	17.24	0.0530
Middle		1	0	22.42	0.1746	17.37	0.0546
Highest		1	0	22.37	0.1726	17.32	0.0540
Lowest	64QAM	1	0	21.19	0.1315	16.14	0.0411
Middle		1	0	21.33	0.1358	16.28	0.0425
Highest		1	0	21.29	0.1346	16.24	0.0421
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Channel 26740) (GT - LC =-2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.19	0.2084	18.14	0.0652
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.46	0.1762	17.41	0.0551
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	0	21.36	0.1368	16.31	0.0428
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Channel 26765) (GT - LC =-2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.20	0.2089	18.15	0.0653
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	22.48	0.1770	17.43	0.0553
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	37	21.35	0.1365	16.30	0.0427
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****<With Adapter>**

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	1629	-64.81	-13	-51.81	-74.32	-70.13	1.22	8.69	H
	2444	-61.91	-13	-48.91	-74.53	-68.78	1.43	10.46	H
	3259	-60.29	-13	-47.29	-75.02	-68.14	1.67	11.68	H
									H
									H
									H
									H
	1629	-65.78	-13	-52.78	-74.17	-71.10	1.22	8.69	V
	2444	-61.03	-13	-48.03	-73.38	-67.90	1.43	10.46	V
	3259	-60.48	-13	-47.48	-74.99	-68.33	1.67	11.68	V
									V
									V
									V
									V

**<With Battery Backpack>**

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	1632	-61.29	-13	-48.29	-70.8	-66.62	1.22	8.70	H
	2440	-60.78	-13	-47.78	-73.39	-67.65	1.43	10.45	H
	3256	-60.39	-13	-47.39	-75.12	-68.24	1.67	11.67	H
									H
									H
									H
									H
	1632	-60.60	-13	-47.60	-68.99	-65.93	1.22	8.70	V
	2440	-62.22	-13	-49.22	-74.56	-69.09	1.43	10.45	V
	3256	-60.53	-13	-47.53	-75.04	-68.38	1.67	11.67	V
									V
									V
									V
									V