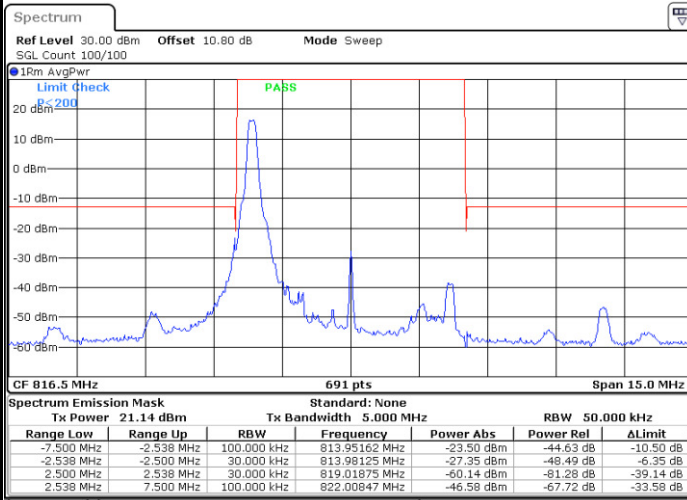




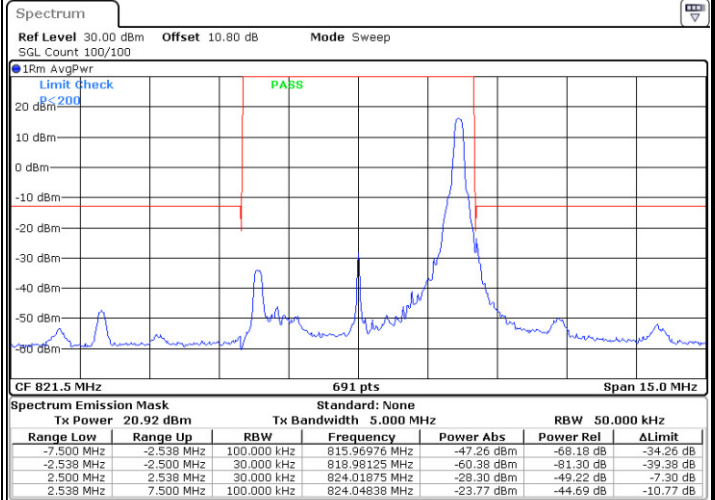
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



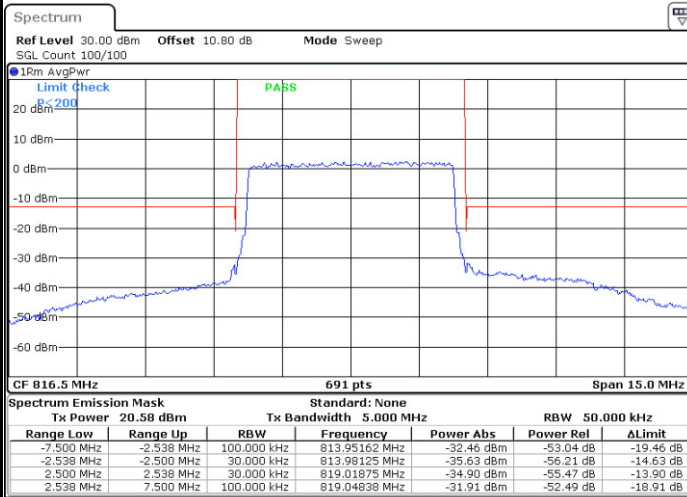
Date: 6 JAN 2018 20:28:32

Highest Band Edge / 1 RB



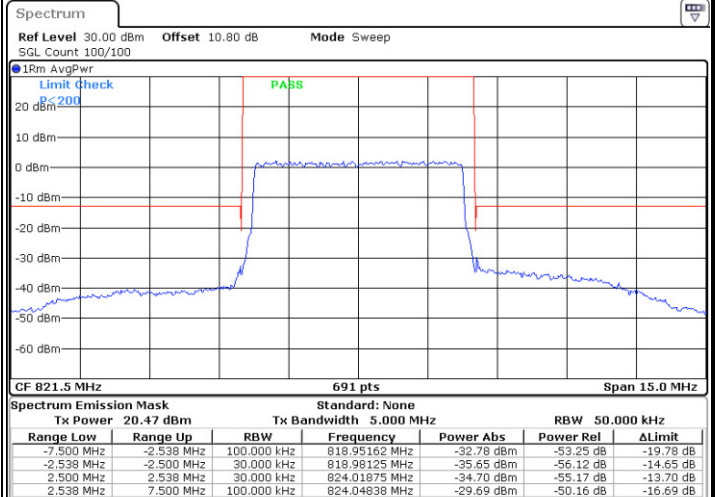
Date: 6 JAN 2018 20:33:24

Lowest Band Edge / Full RB



Date: 6 JAN 2018 20:30:57

Highest Band Edge / Full RB

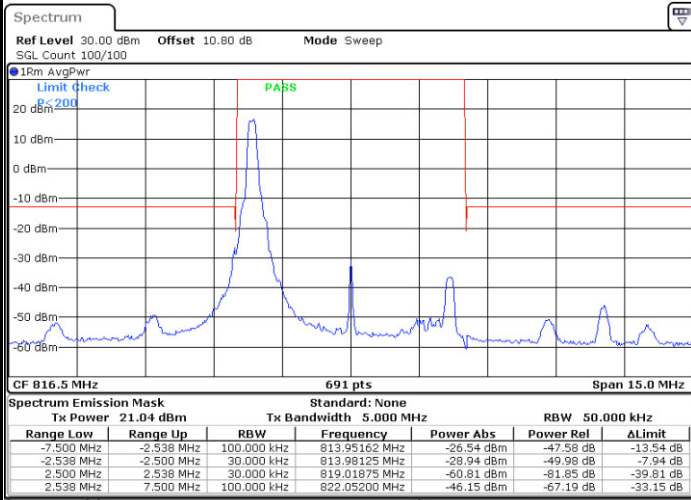


Date: 6 JAN 2018 20:35:50



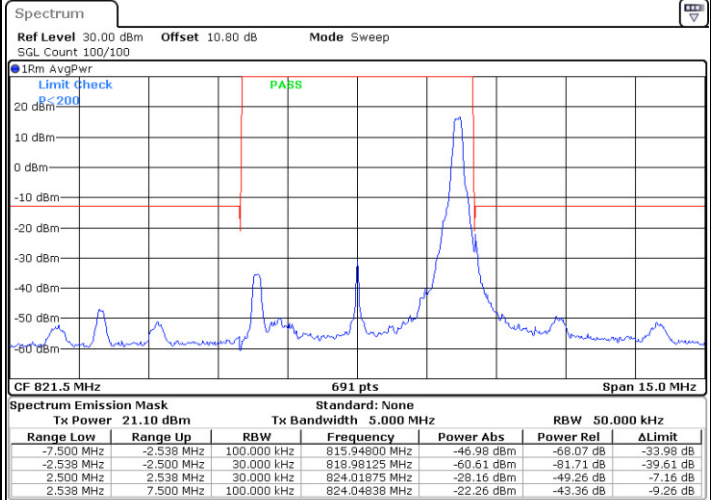
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



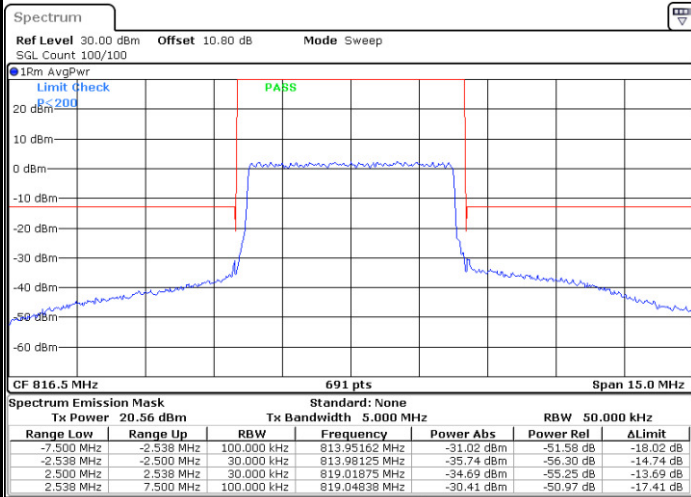
Date: 1.FEB.2018 21:50:06

Highest Band Edge / 1 RB



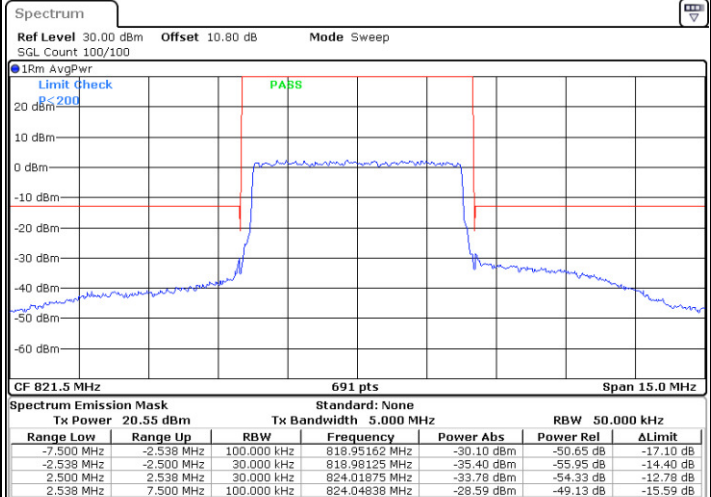
Date: 1.FEB.2018 21:52:24

Lowest Band Edge / Full RB



Date: 1.FEB.2018 21:51:15

Highest Band Edge / Full RB



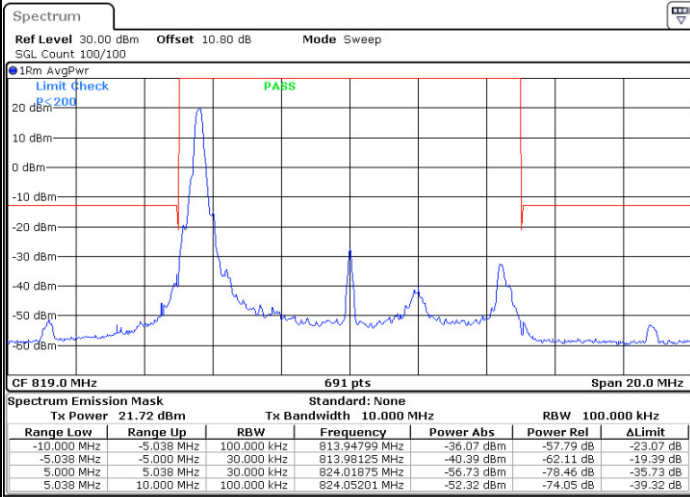
Date: 1.FEB.2018 21:53:33



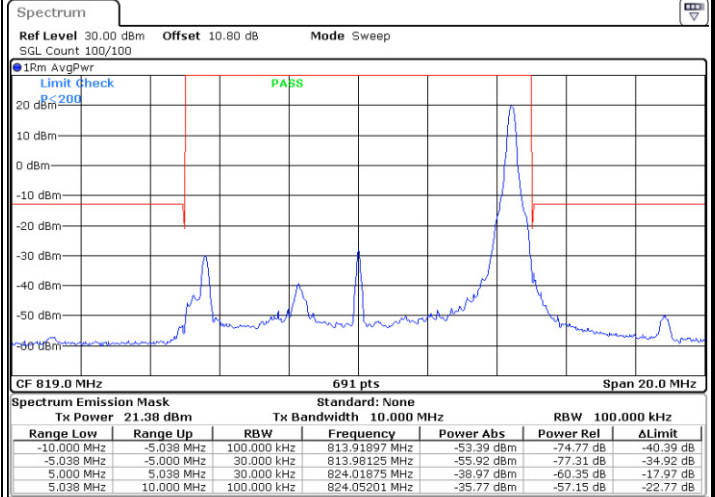
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

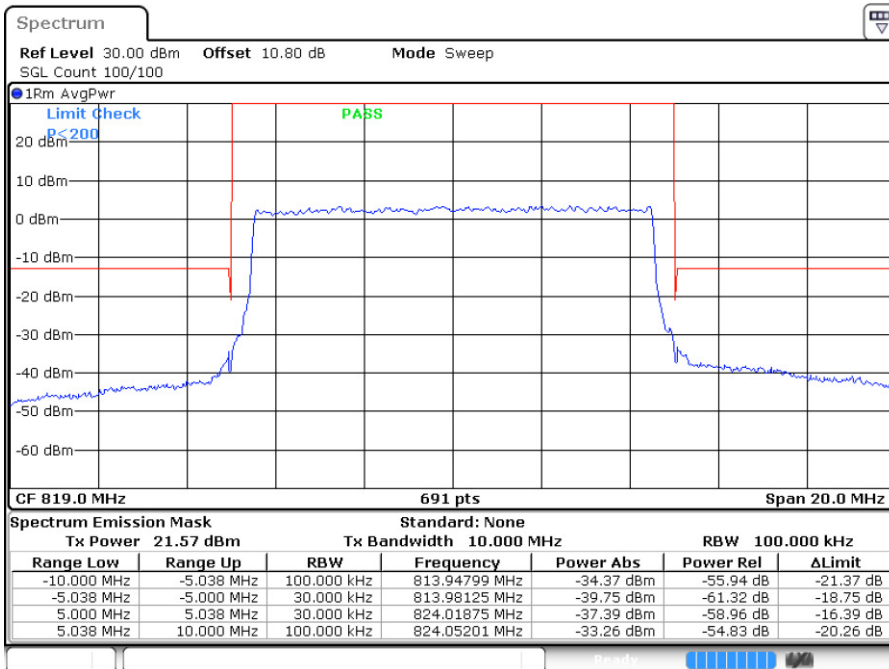


Date: 6 JAN 2018 20:37:03



Date: 6 JAN 2018 20:39:29

Band Edge / Full RB

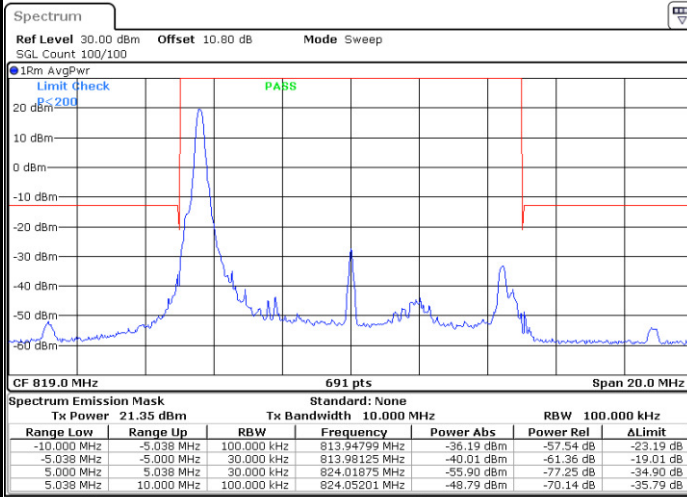


Date: 6 JAN 2018 20:41:55



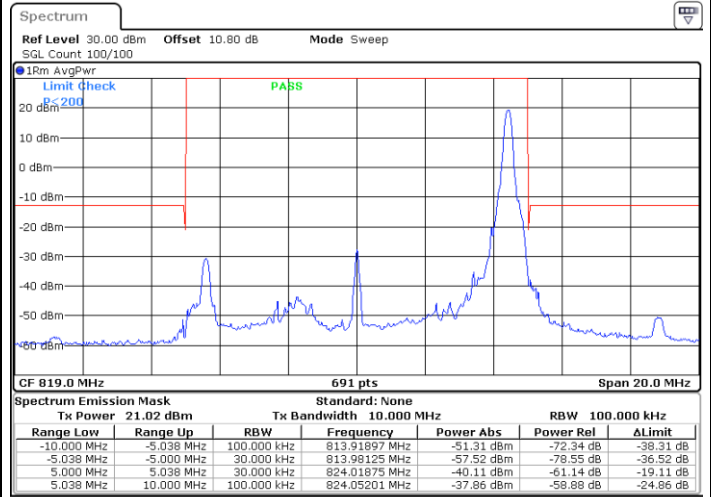
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



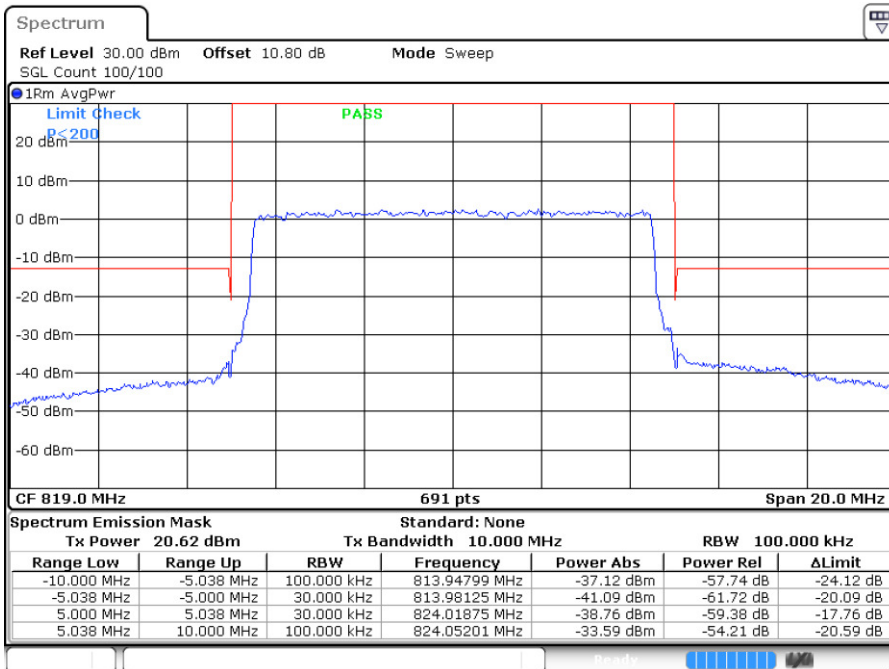
Date: 6 JAN 2018 20:38:16

Highest Band Edge / 1 RB



Date: 6 JAN 2018 20:40:42

Band Edge / Full RB

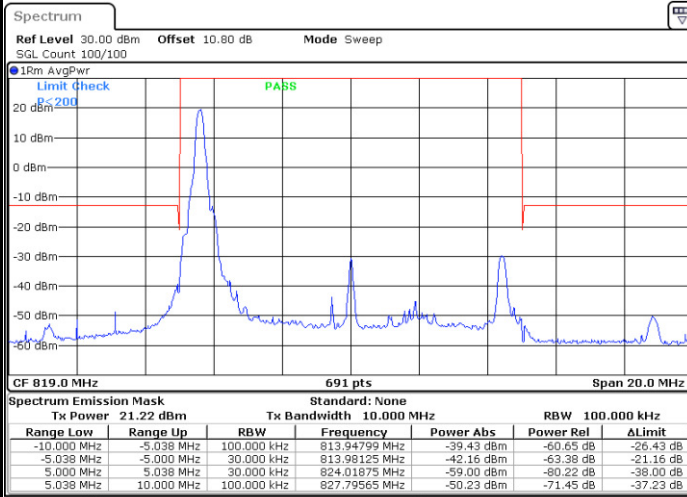


Date: 6 JAN 2018 20:43:08



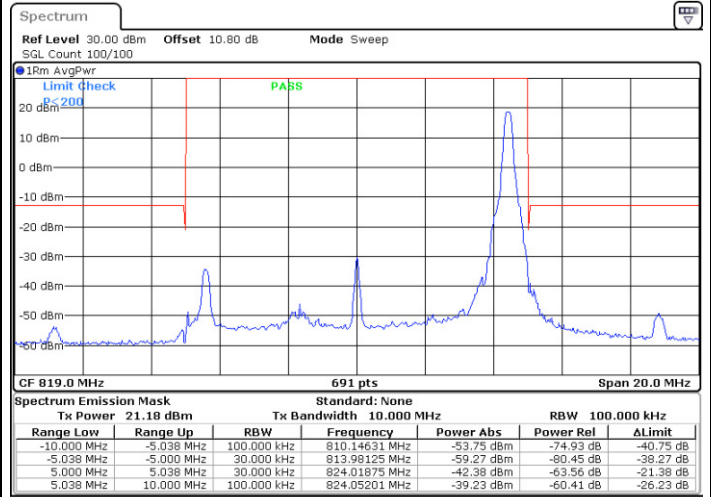
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



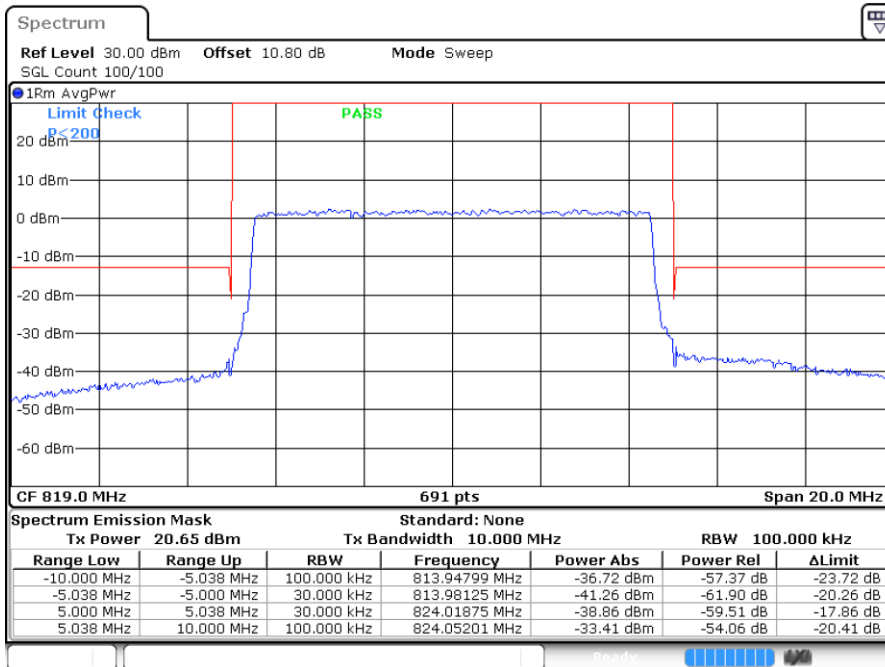
Date: 1.FEB.2018 21:54:42

Highest Band Edge / 1 RB



Date: 1.FEB.2018 21:55:51

Band Edge / Full RB

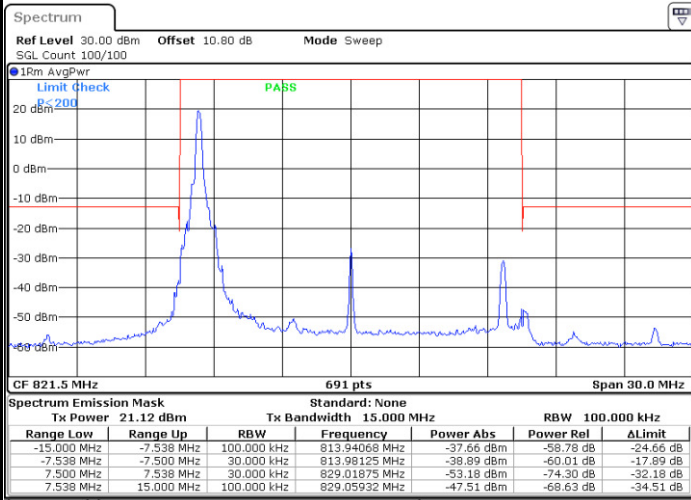


Date: 1.FEB.2018 21:57:00



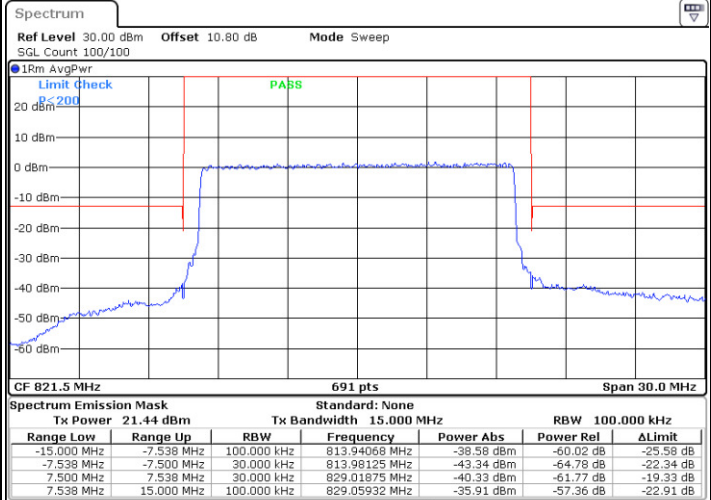
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 6 JAN 2018 21:53:48

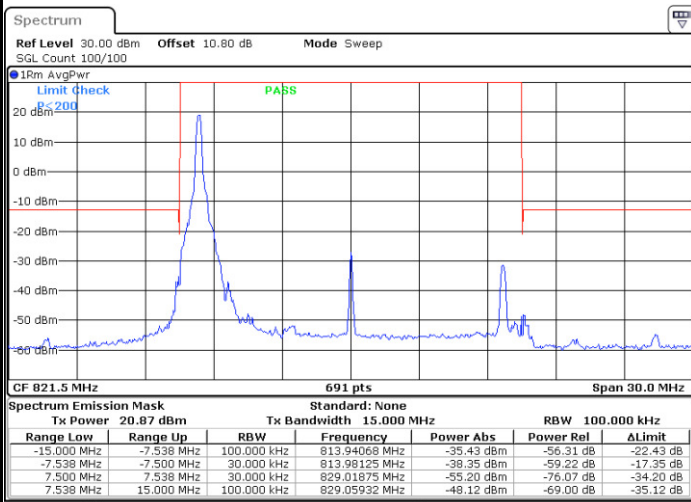
Lowest Band Edge / Full RB



Date: 6 JAN 2018 21:58:38

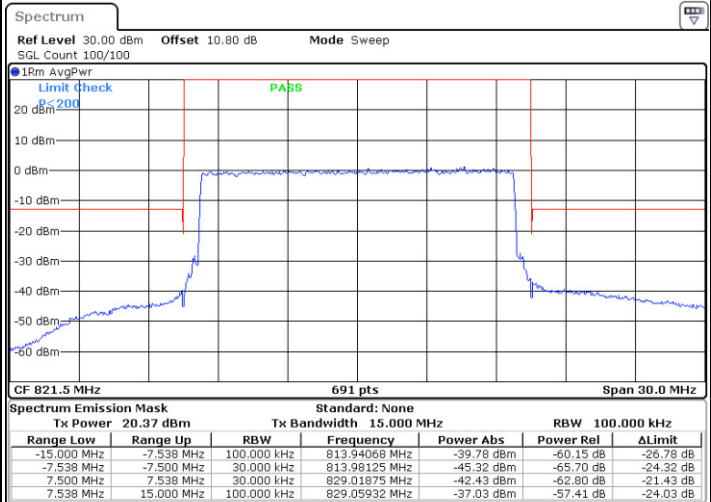
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 6 JAN 2018 21:55:00

Lowest Band Edge / Full RB

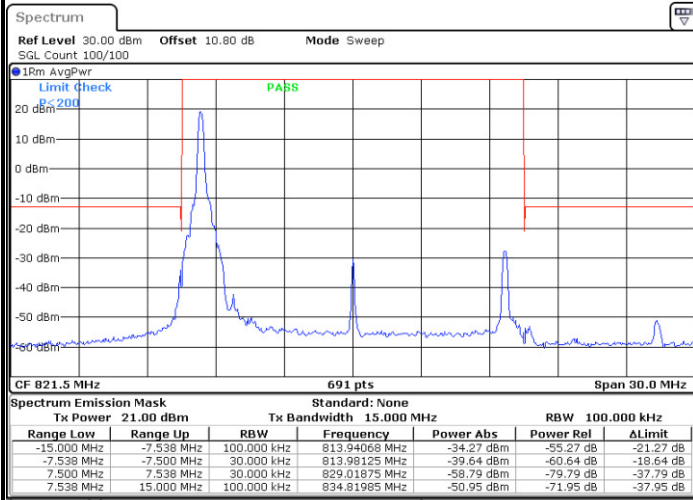


Date: 6 JAN 2018 21:59:50



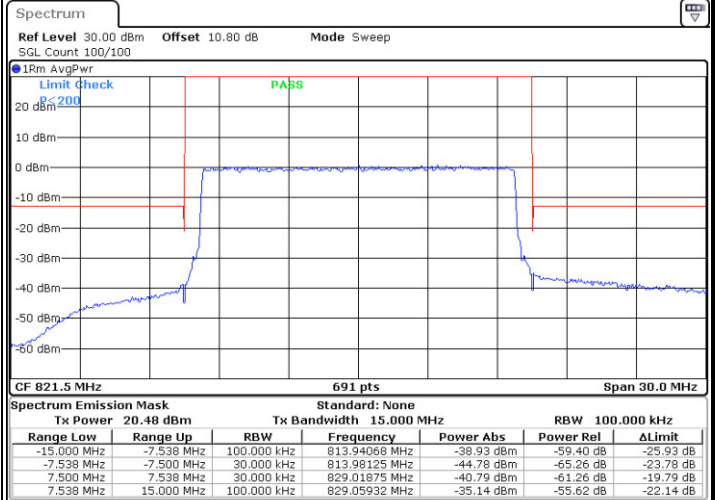
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 1.FEB.2018 21:58:09

Lowest Band Edge / Full RB



Date: 1.FEB.2018 22:00:26

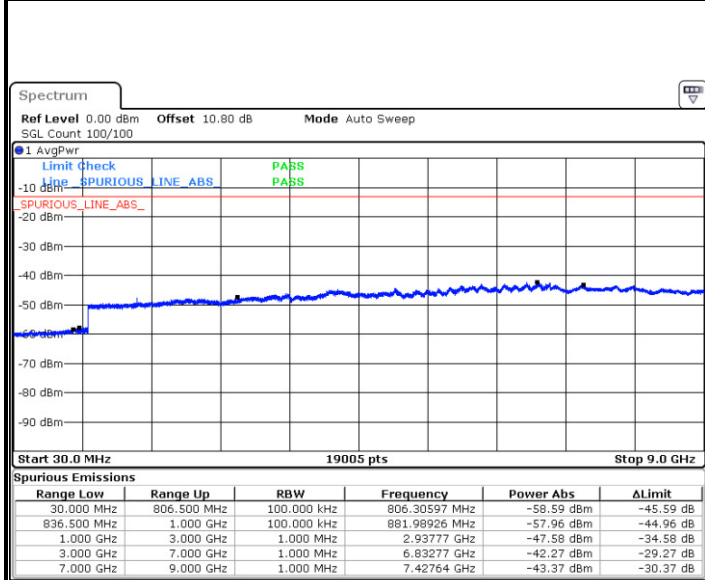


Conducted Spurious Emission



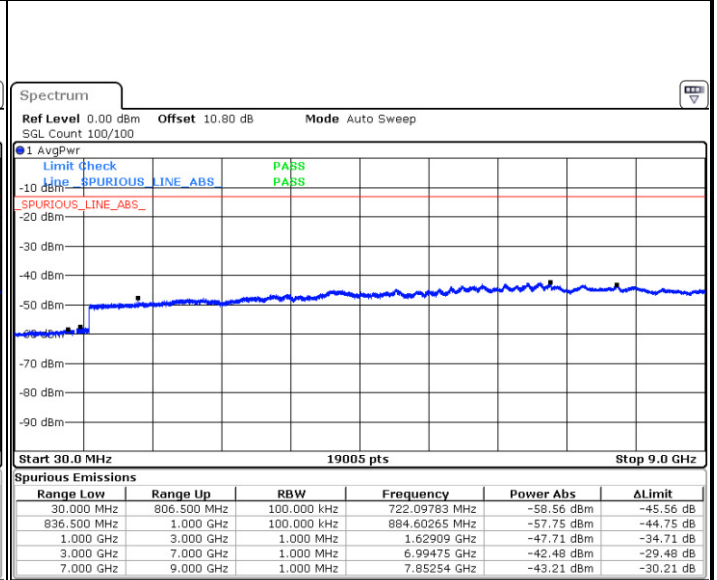
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



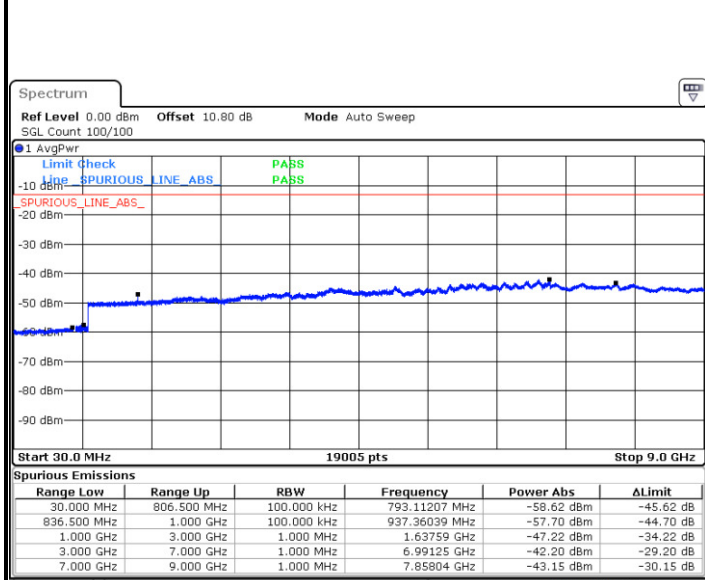
Date: 6 JAN 2018 21:18:11

Lowest Channel / 16QAM



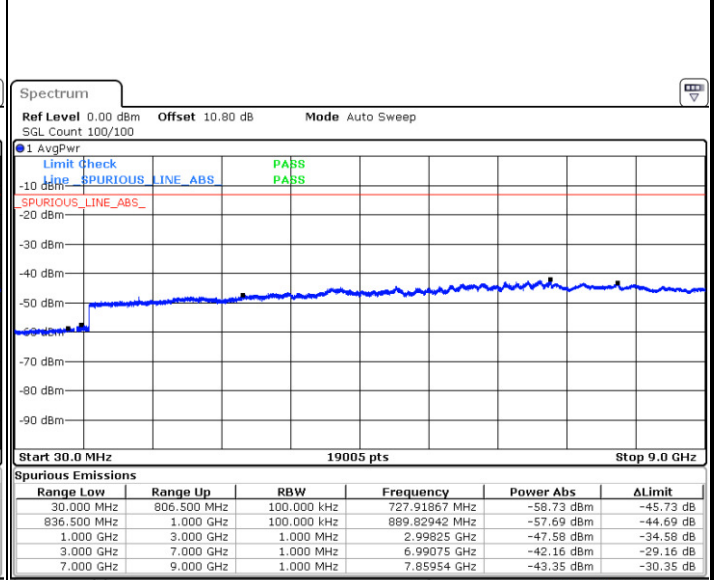
Date: 6 JAN 2018 21:19:11

Middle Channel / QPSK



Date: 6 JAN 2018 21:20:50

Middle Channel / 16QAM

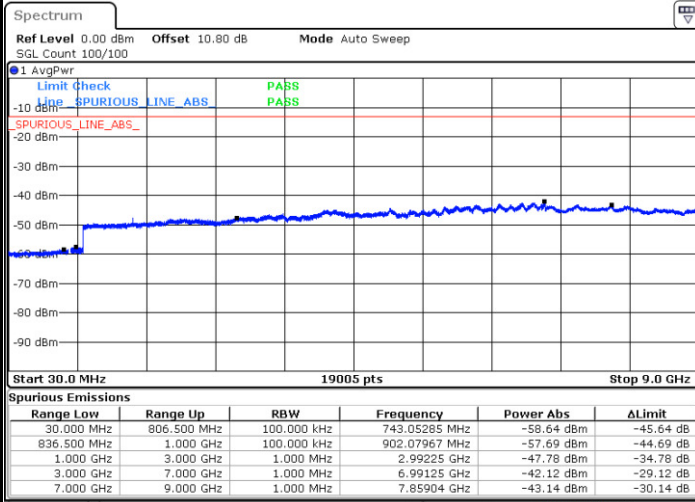


Date: 6 JAN 2018 21:21:48



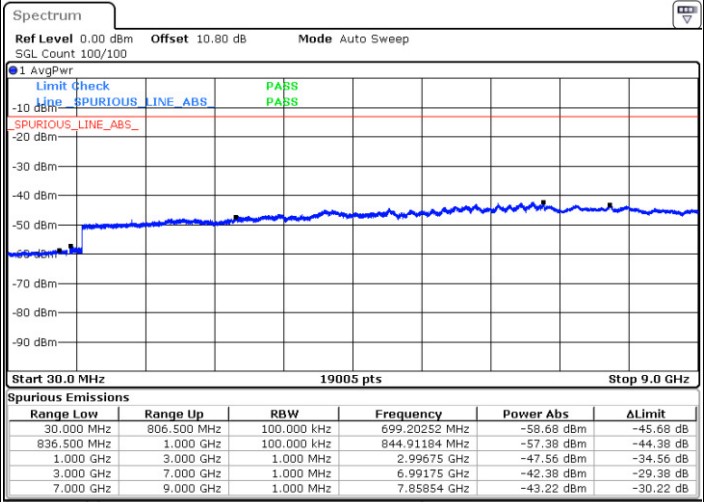
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 6 JAN 2018 21:26:04

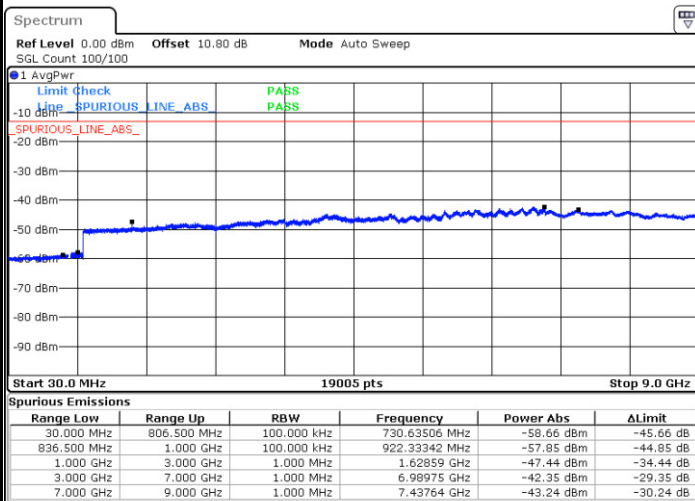
Highest Channel / 16QAM



Date: 6 JAN 2018 21:27:02

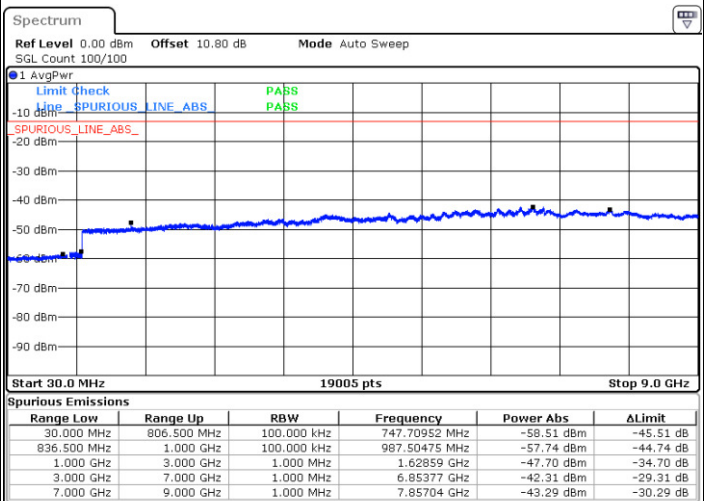
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 6 JAN 2018 20:53:16

Lowest Channel / 16QAM



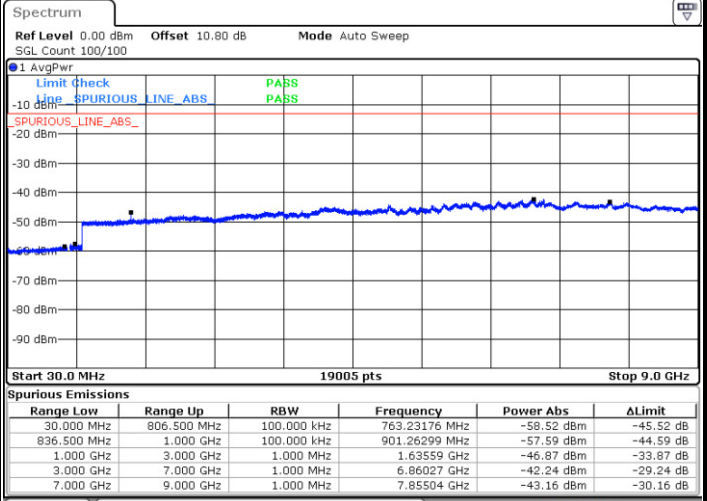
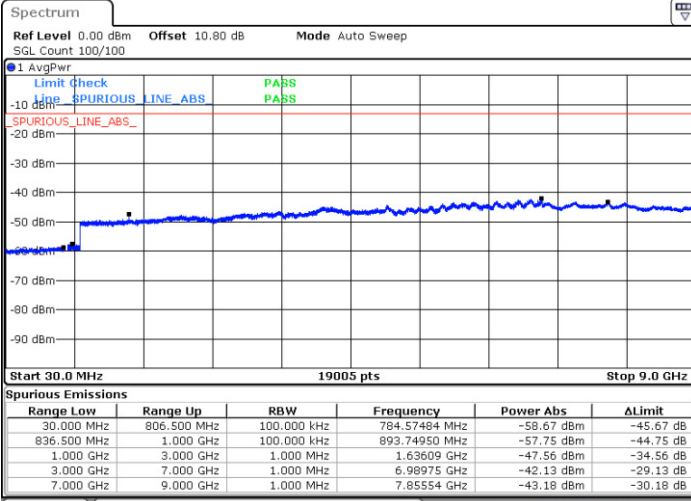
Date: 6 JAN 2018 20:54:15



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

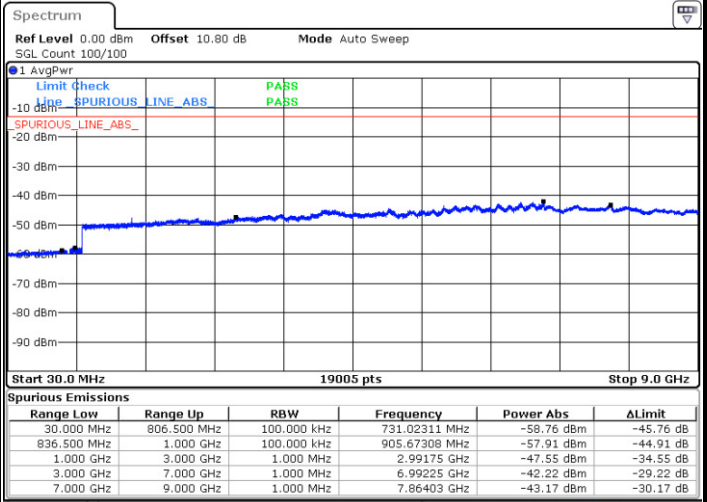
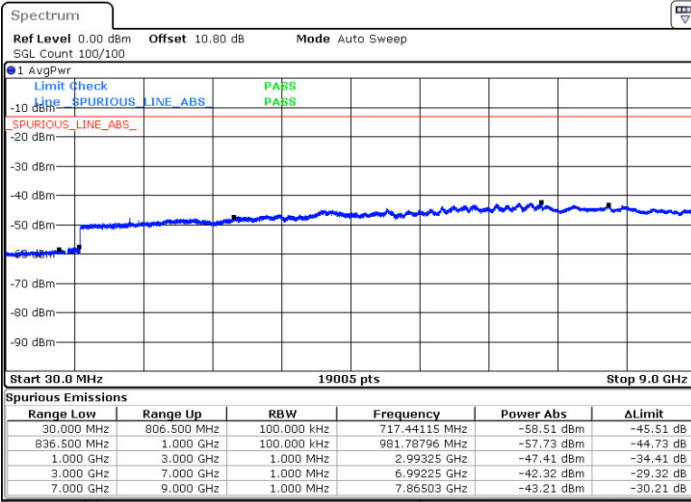


Date: 6 JAN 2018 20:55:54

Date: 6 JAN 2018 20:56:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JAN 2018 20:58:30

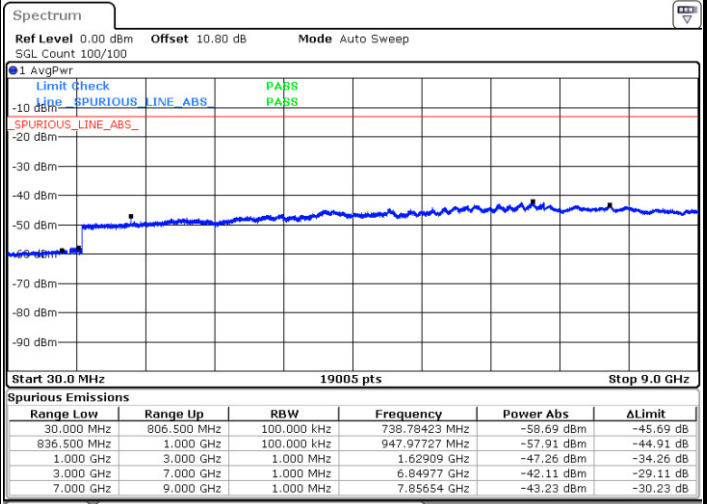
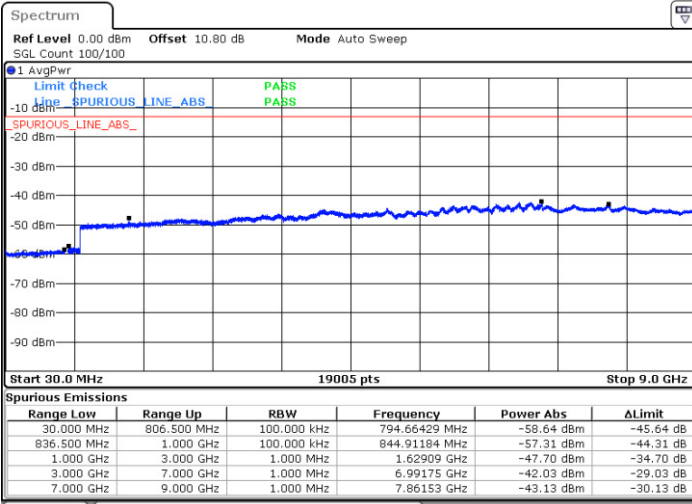
Date: 6 JAN 2018 20:59:30



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

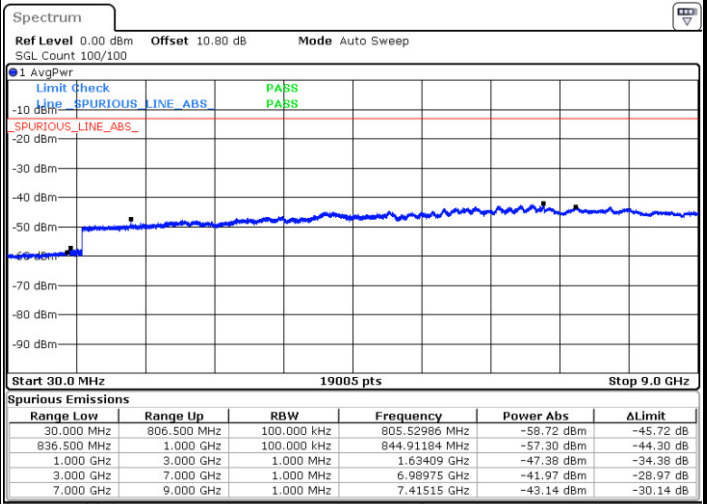
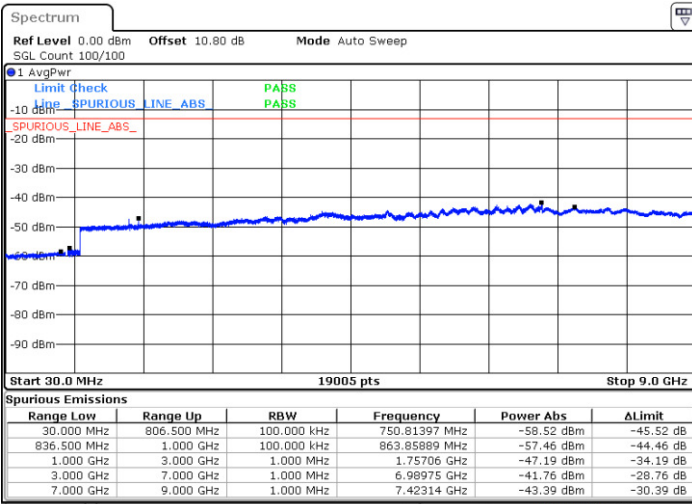


Date: 6 JAN 2018 21:01:08

Date: 6 JAN 2018 21:02:07

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 JAN 2018 21:03:46

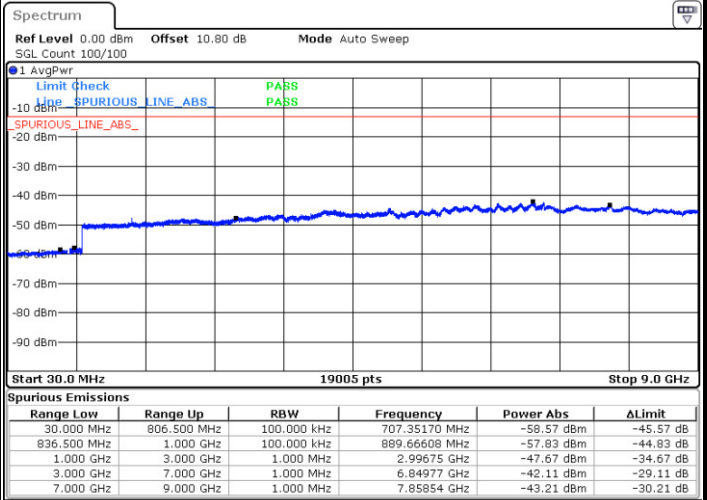
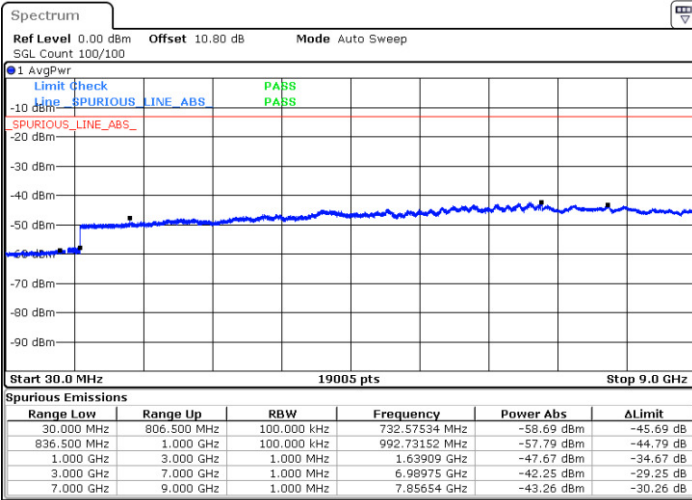
Date: 6 JAN 2018 21:04:44



LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



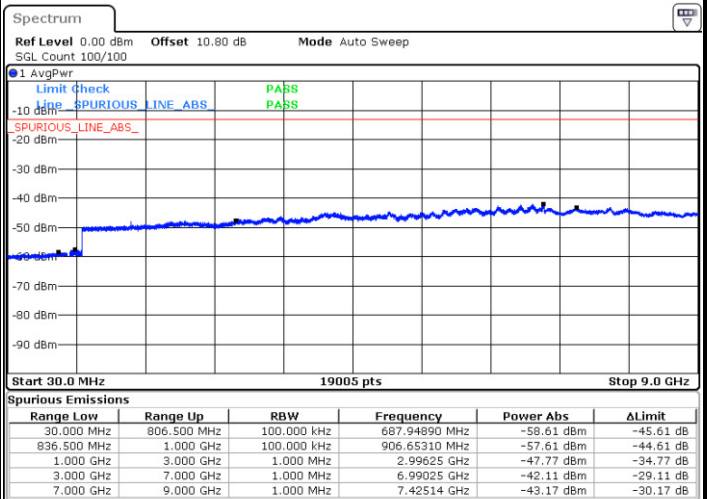
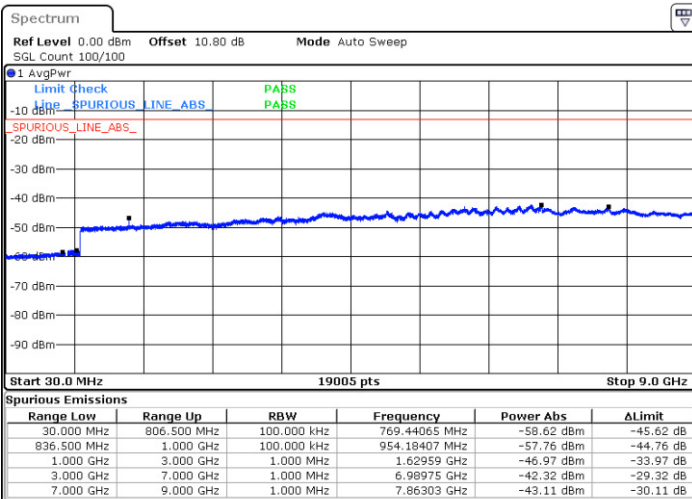
Date: 6 JAN 2018 21:06:23

Date: 6 JAN 2018 21:07:22

LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 JAN 2018 21:09:01

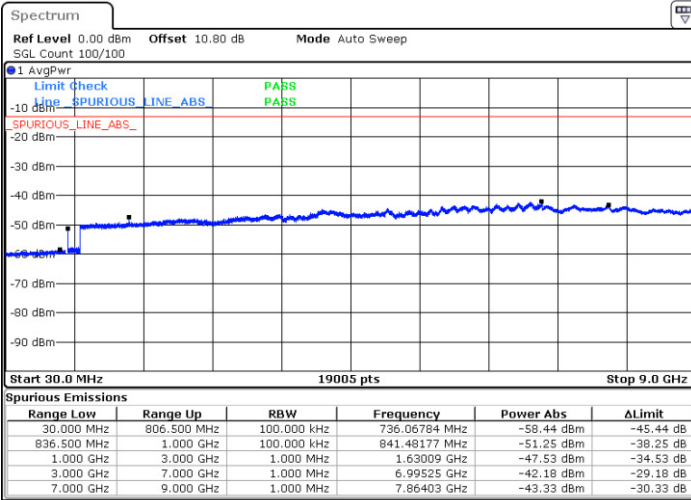
Date: 6 JAN 2018 21:09:59



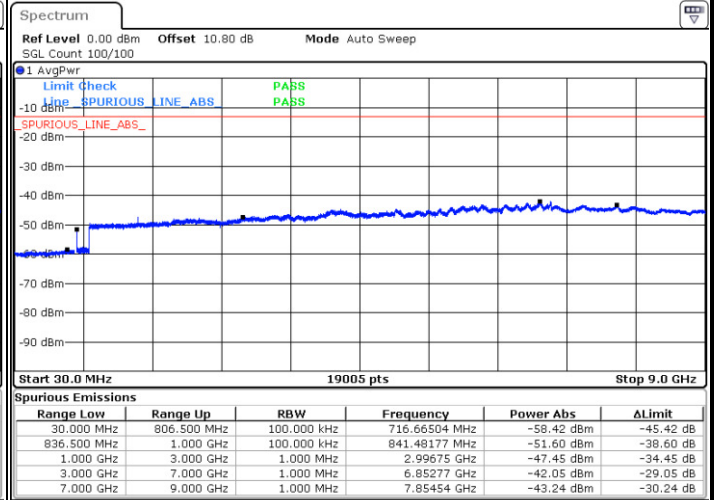
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



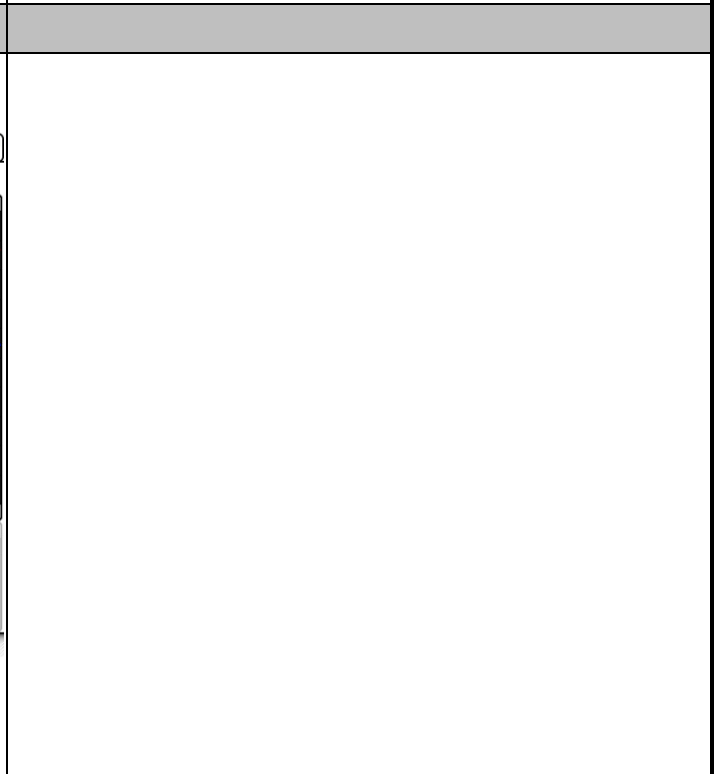
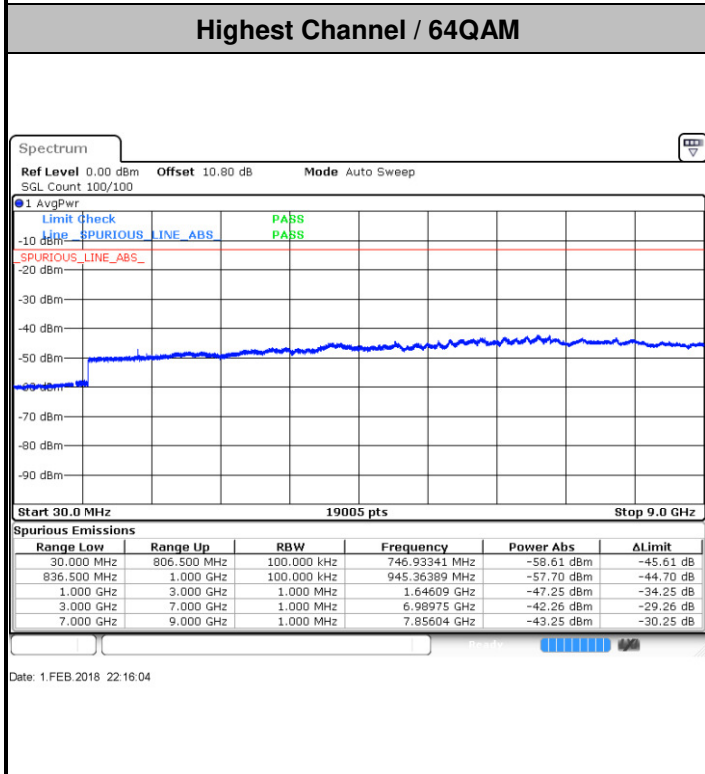
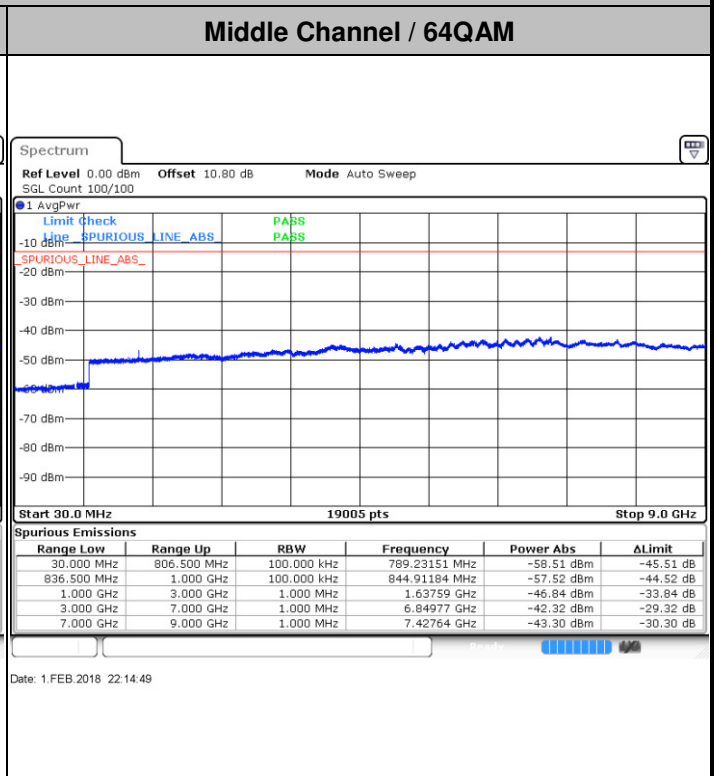
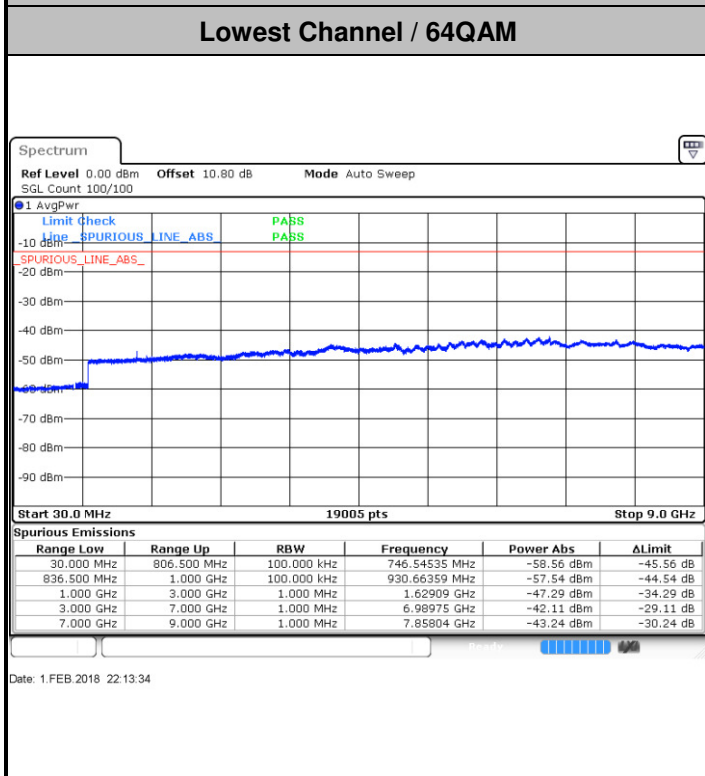
Date: 6 JAN 2018 21:11:38



Date: 6 JAN 2018 21:12:37



LTE Band 26 / 1.4MHz

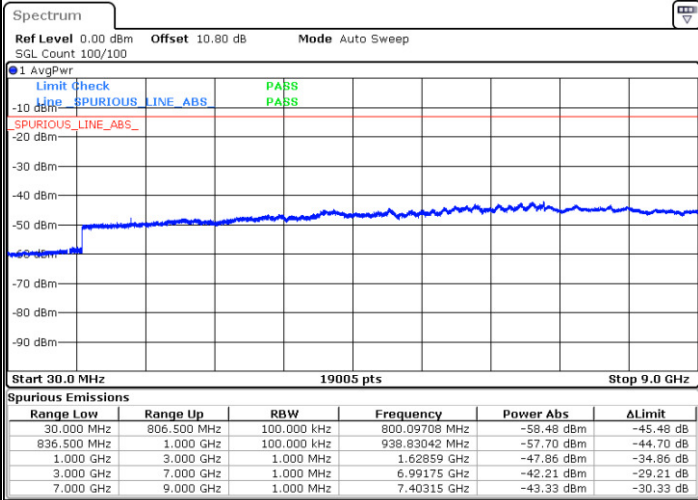




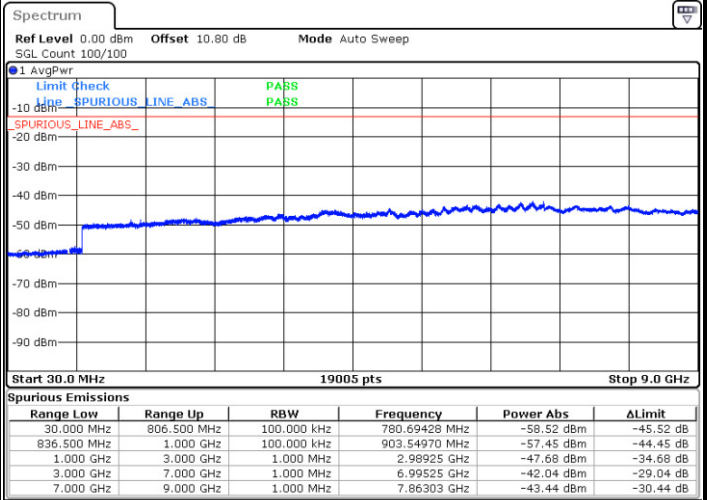
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

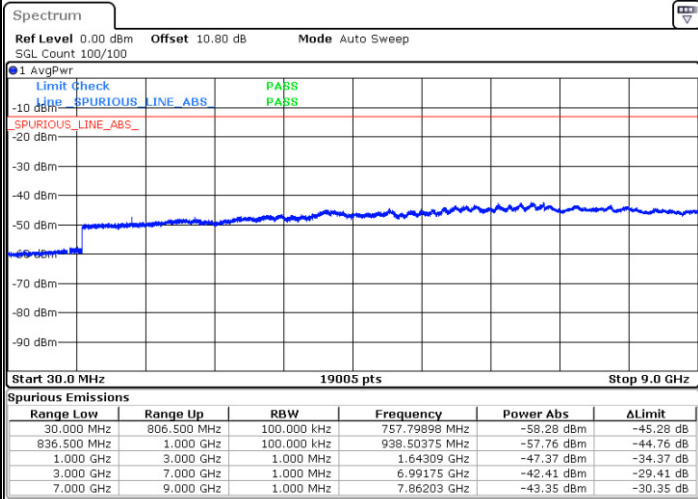


Date: 1.FEB.2018 22:01:42



Date: 1.FEB.2018 22:02:57

Highest Channel / 64QAM



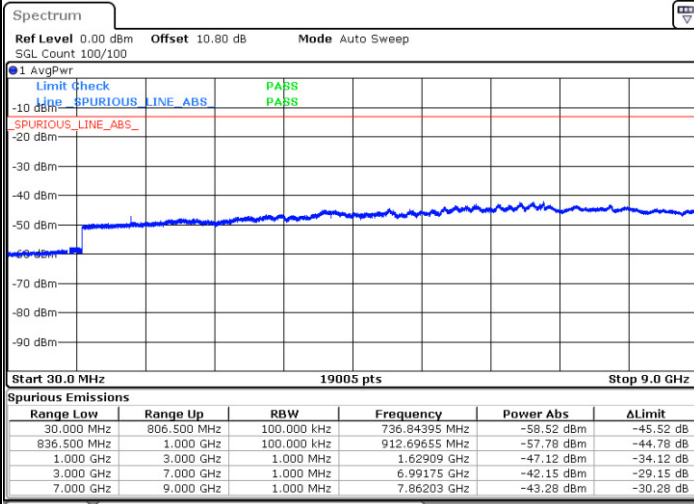
Date: 1.FEB.2018 22:04:13



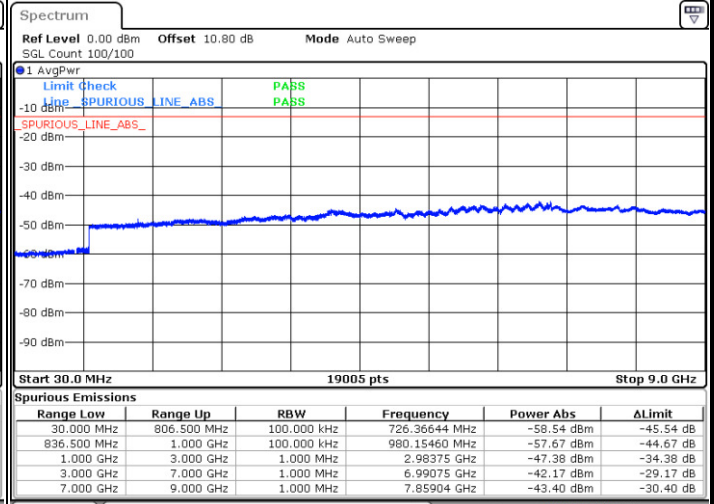
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

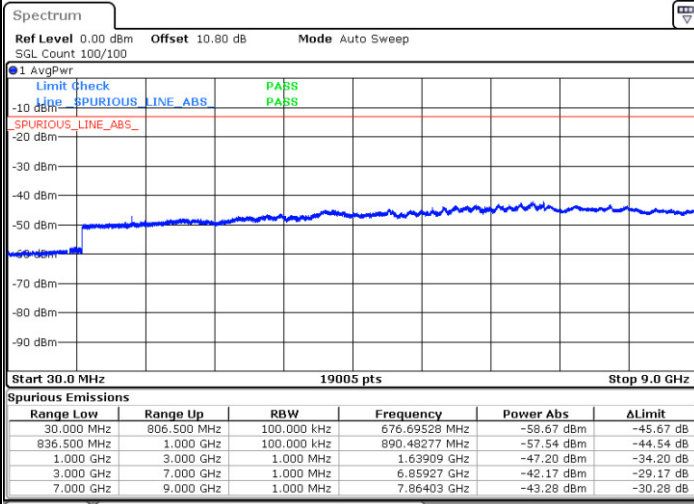


Date: 1.FEB.2018 22:05:28

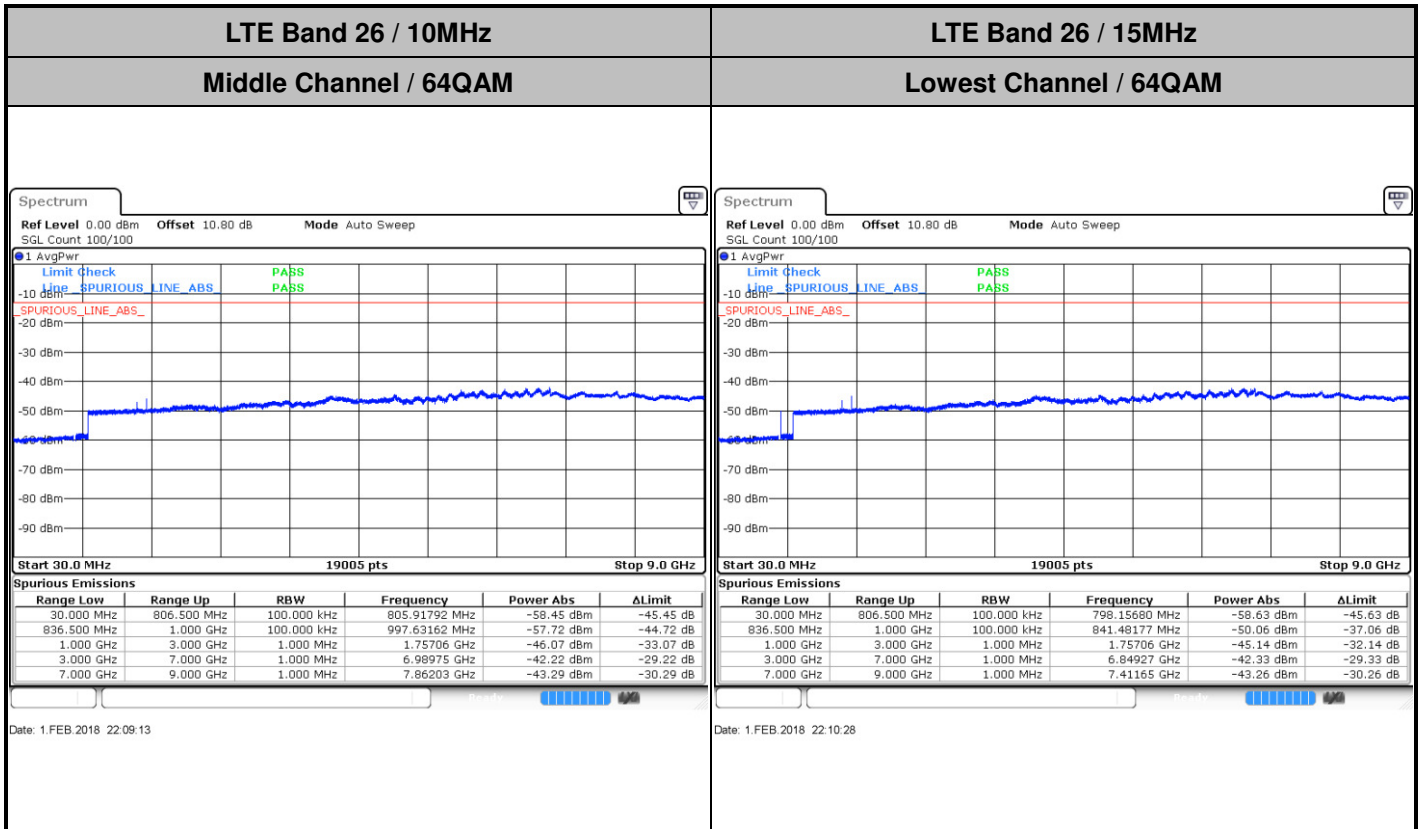


Date: 1.FEB.2018 22:06:43

Highest Channel / 64QAM



Date: 1.FEB.2018 22:07:58





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	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0100	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0076	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0068	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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	0.0007	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0074	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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

LTE Band 26 / 15MHz (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	37	23.33	0.2153	20.46	0.1112
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	22.62	0.1828	19.75	0.0944
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	22.58	0.1811	19.71	0.0935
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

Part 90 LTE Band 26

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	-61.29	-13	-48.29	-70.85	-66.62	1.22	8.70	H
	2444	-63.47	-13	-50.47	-76.18	-70.34	1.43	10.46	H
	3259	-61.68	-13	-48.68	-76.59	-69.53	1.67	11.68	H
									H
									H
									H
									H
	1632	-61.94	-13	-48.94	-70.38	-67.27	1.22	8.70	V
	2444	-63.90	-13	-50.90	-76.34	-70.77	1.43	10.46	V
	3259	-61.78	-13	-48.78	-76.46	-69.63	1.67	11.68	V
									V
									V
									V
									V

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