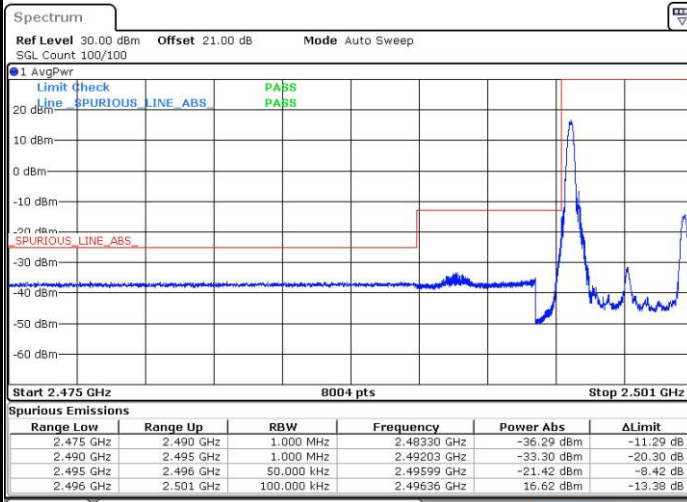




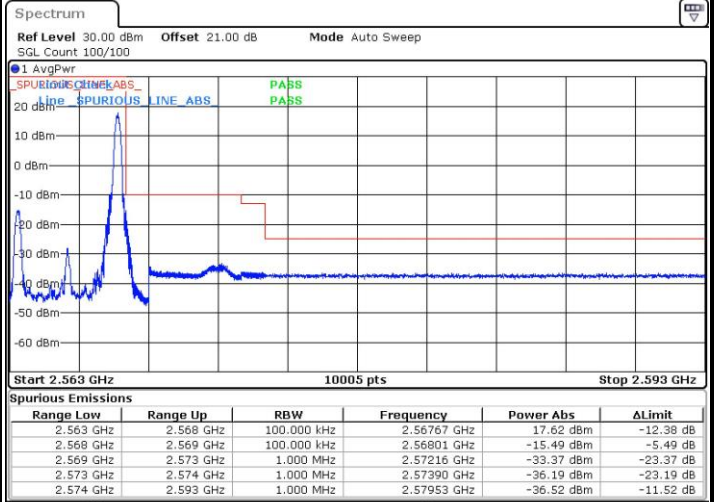
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



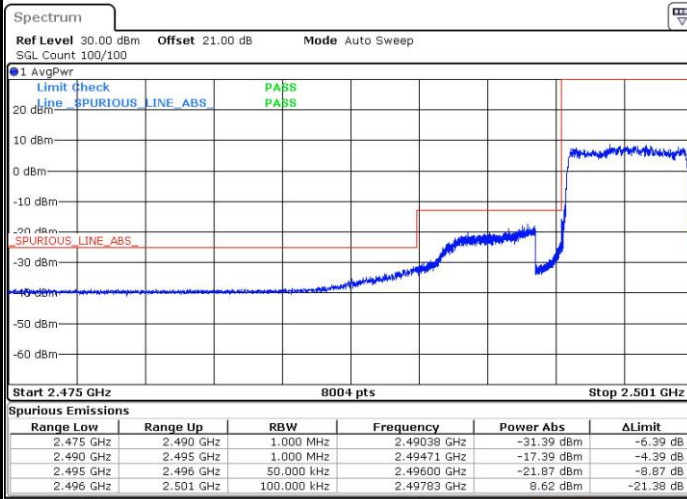
Date: 24.DEC.2018 23:31:30

Highest Band Edge / 1 RB



Date: 24.DEC.2018 23:32:39

Lowest Band Edge / Full RB



Date: 14.DEC.2018 20:27:49

Highest Band Edge / Full RB

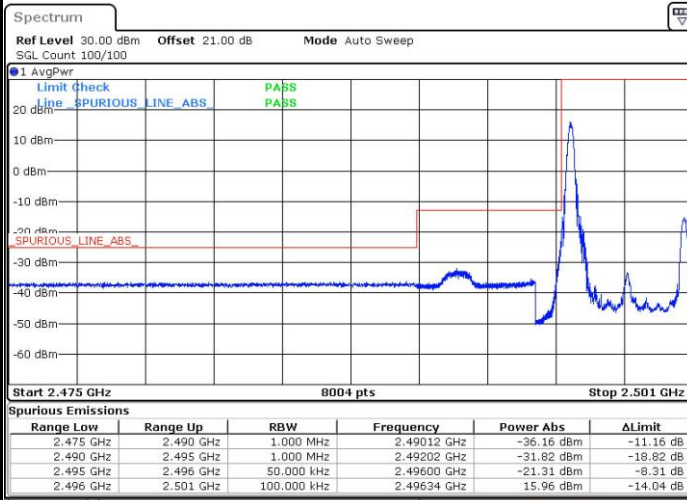


Date: 14.DEC.2018 20:31:33



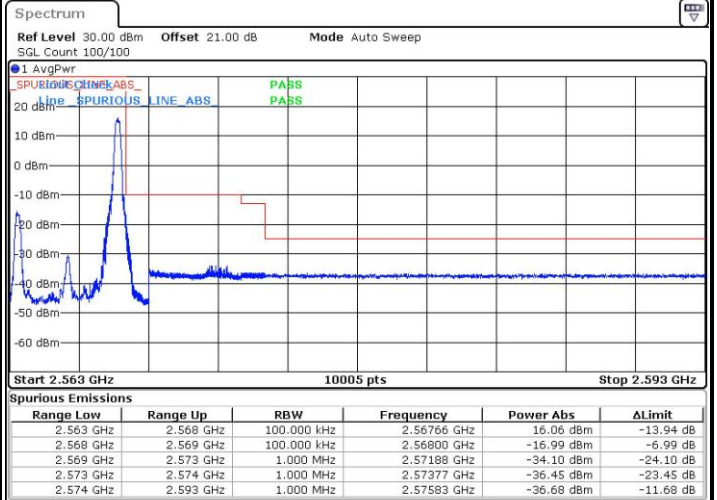
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



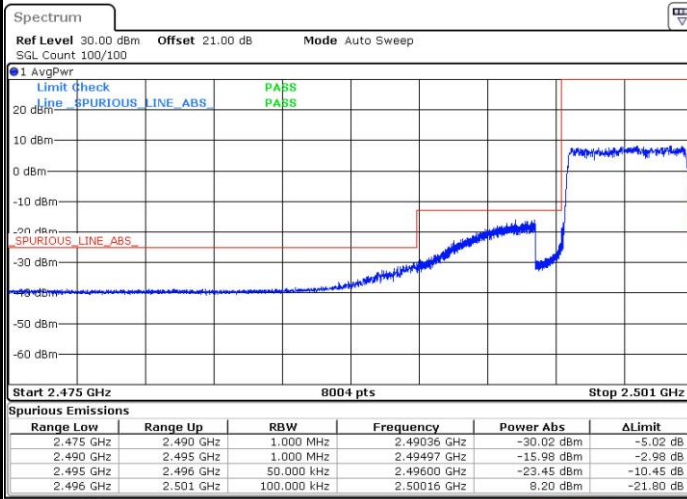
Date: 24.DEC.2018 23:30:59

Highest Band Edge / 1 RB



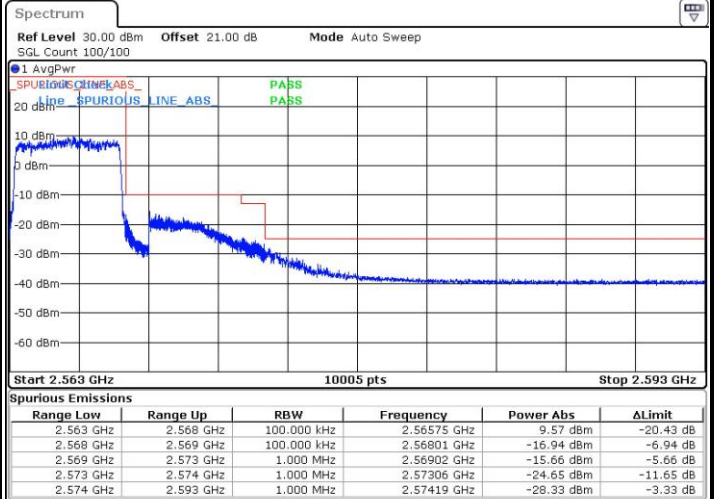
Date: 24.DEC.2018 23:32:21

Lowest Band Edge / Full RB



Date: 14.DEC.2018 20:28:45

Highest Band Edge / Full RB

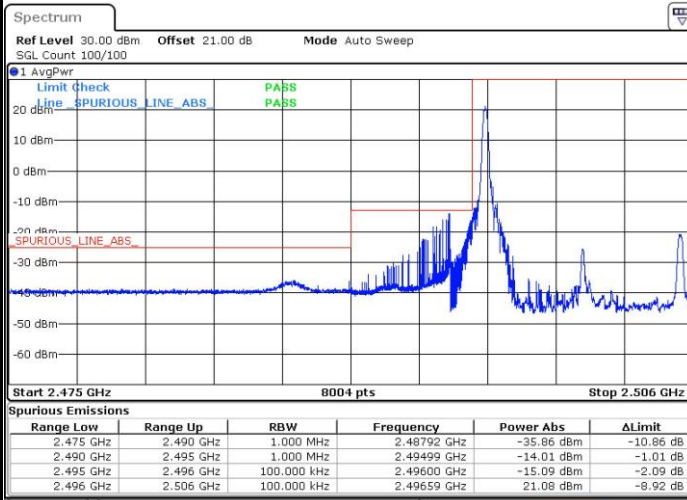


Date: 14.DEC.2018 20:32:29



LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



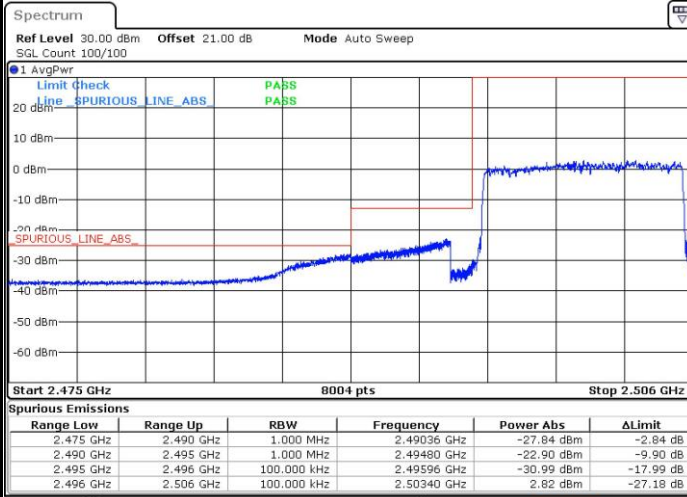
Date: 14. DEC. 2018 20:33:25

Highest Band Edge / 1 RB



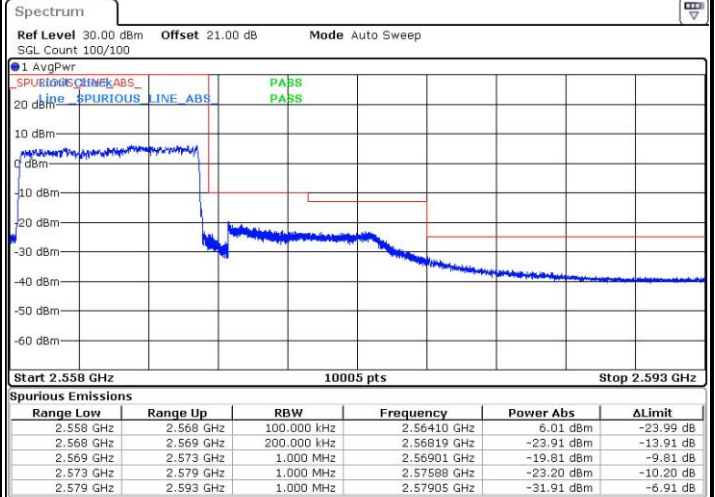
Date: 14. DEC. 2018 20:37:12

Lowest Band Edge / Full RB



Date: 24. DEC. 2018 23:33:31

Highest Band Edge / Full RB

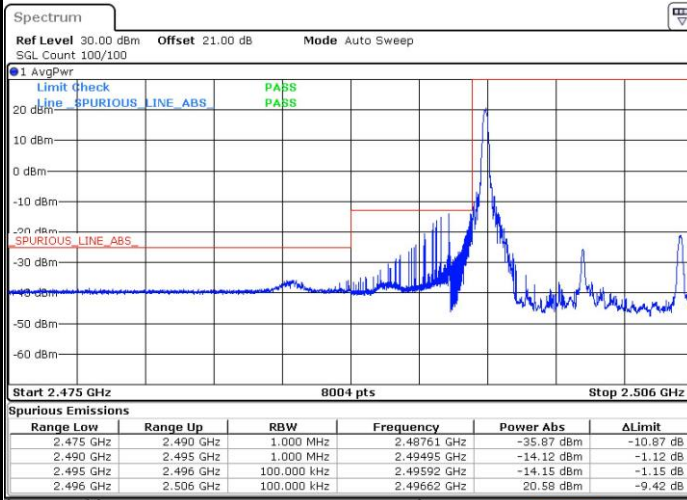


Date: 14. DEC. 2018 20:39:04



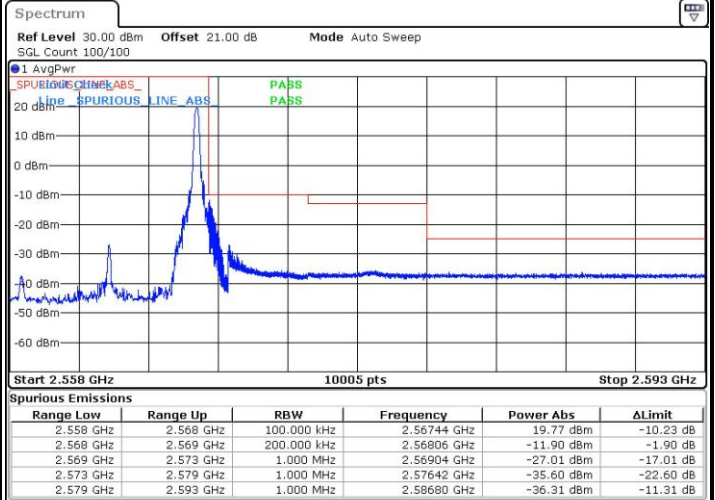
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



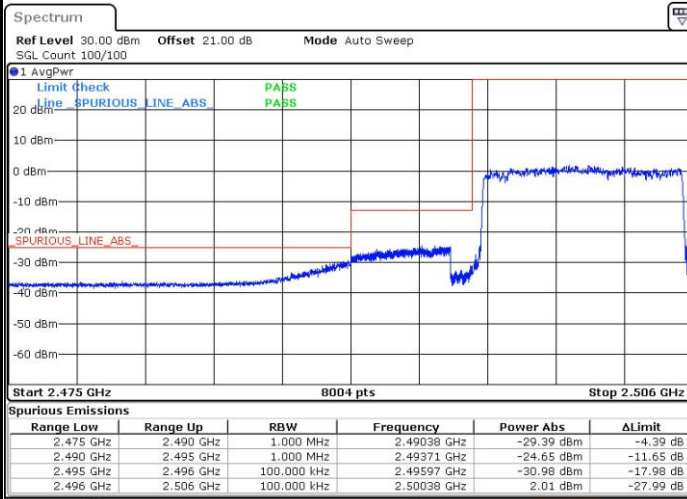
Date: 14.DEC.2018 20:34:22

Highest Band Edge / 1 RB



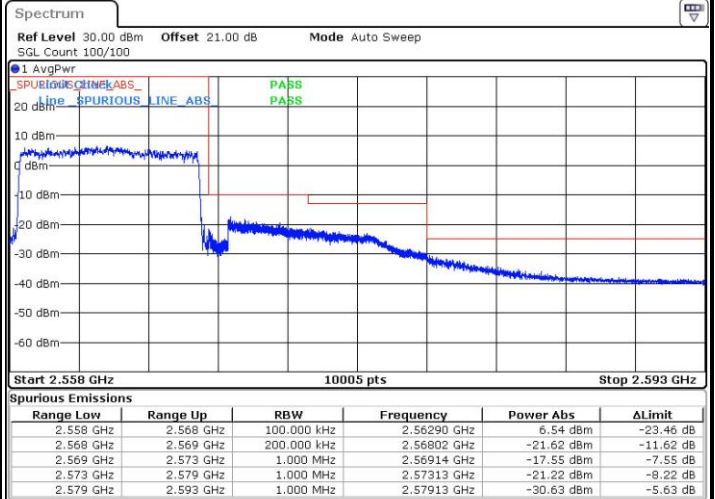
Date: 24.DEC.2018 23:34:45

Lowest Band Edge / Full RB



Date: 24.DEC.2018 23:33:13

Highest Band Edge / Full RB

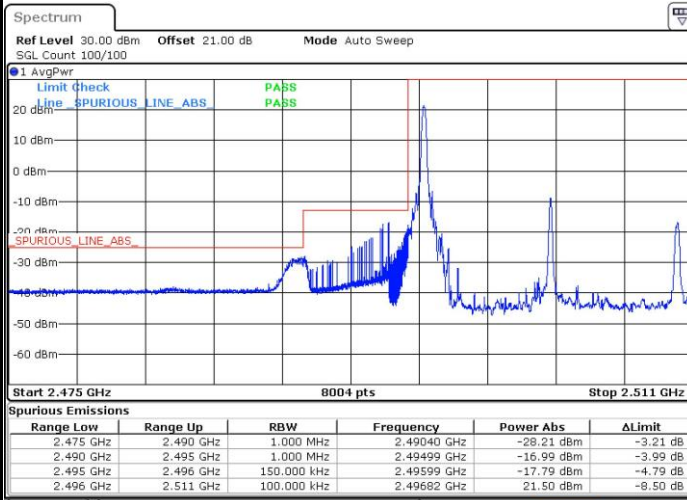


Date: 14.DEC.2018 20:39:59



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



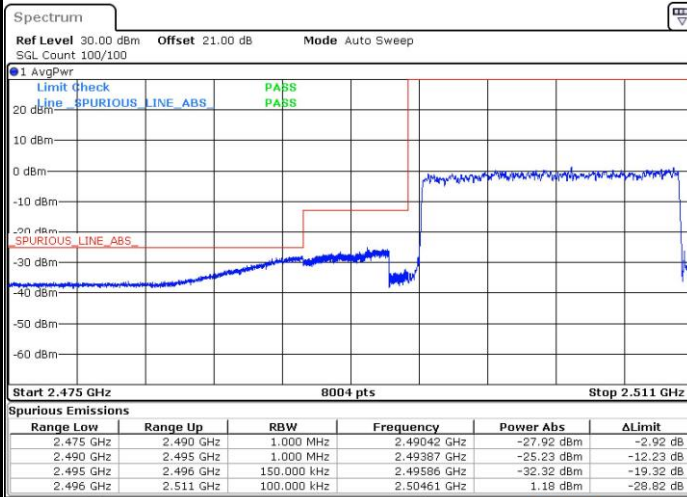
Date: 14.DEC.2018 21:44:44

Highest Band Edge / 1 RB



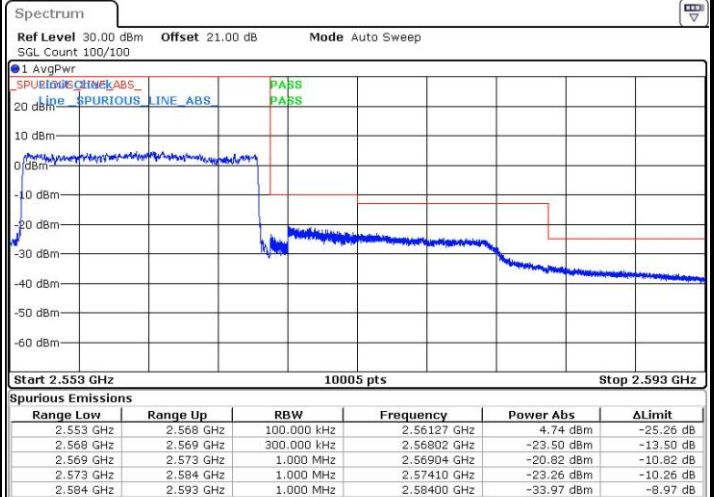
Date: 14.DEC.2018 21:45:17

Lowest Band Edge / Full RB



Date: 24.DEC.2018 23:36:18

Highest Band Edge / Full RB

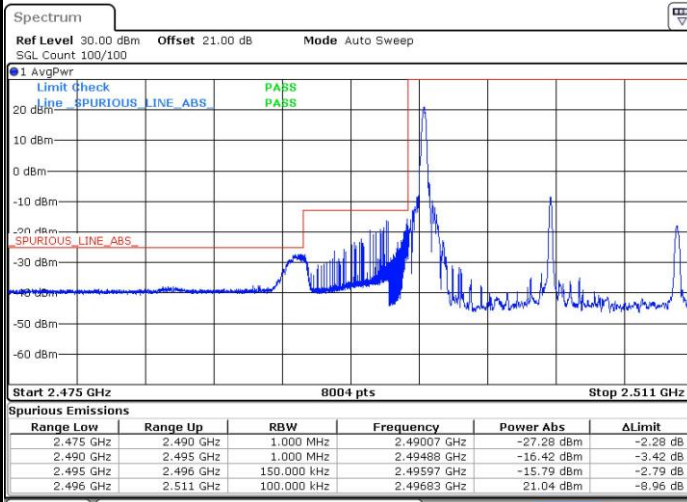


Date: 14.DEC.2018 21:46:13



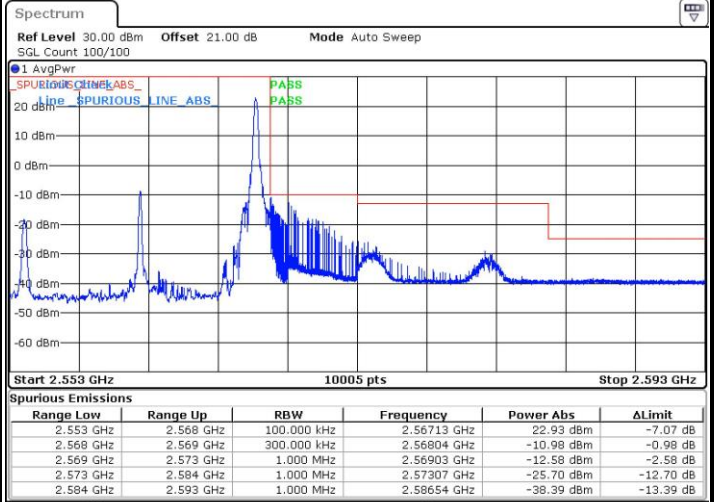
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



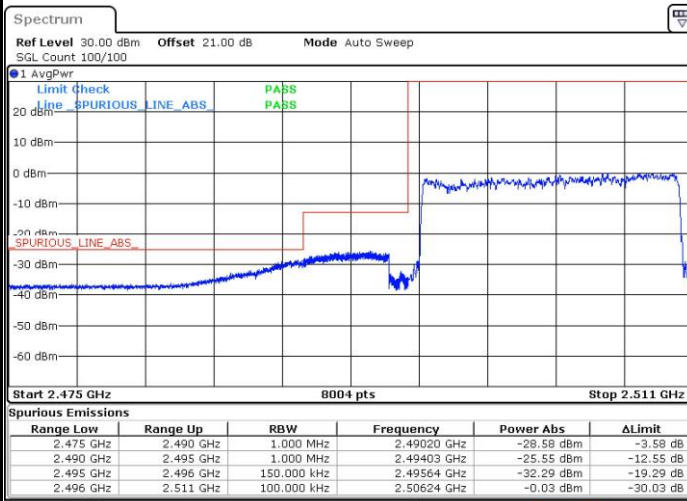
Date: 14.DEC.2018 21:44:05

Highest Band Edge / 1 RB



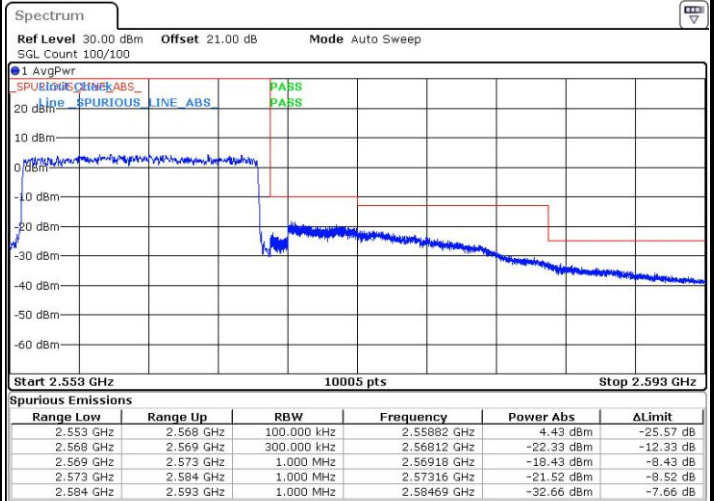
Date: 14.DEC.2018 21:45:34

Lowest Band Edge / Full RB



Date: 24.DEC.2018 23:35:55

Highest Band Edge / Full RB

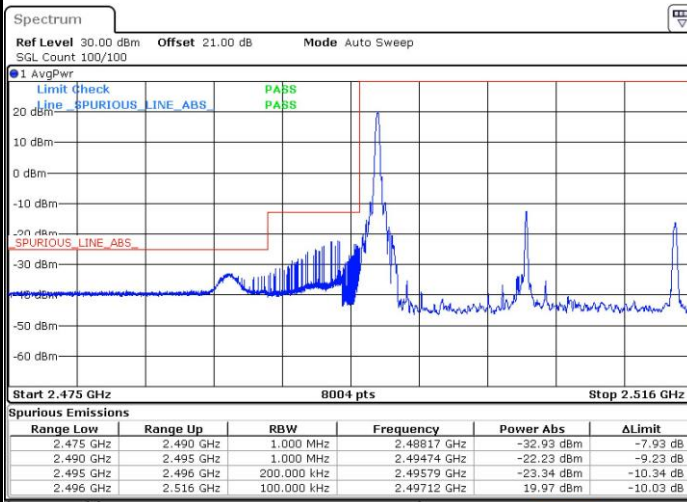


Date: 14.DEC.2018 21:45:55



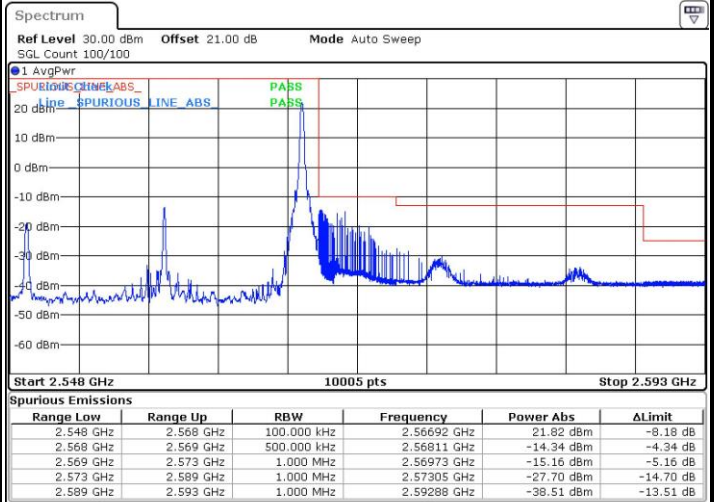
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



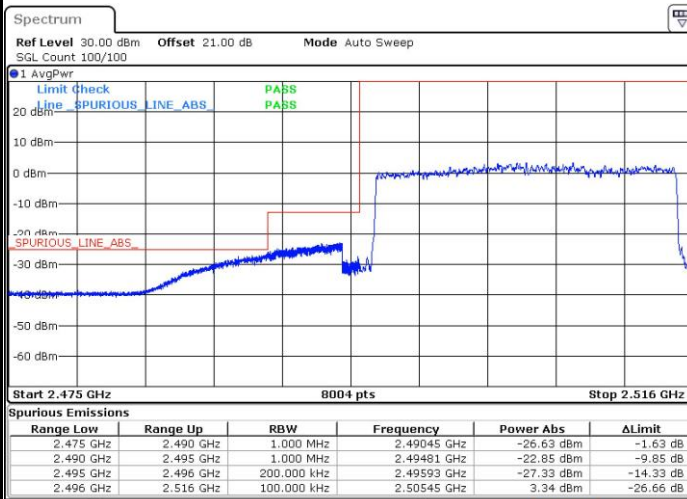
Date: 14 DEC 2018 21:52:33

Highest Band Edge / 1 RB



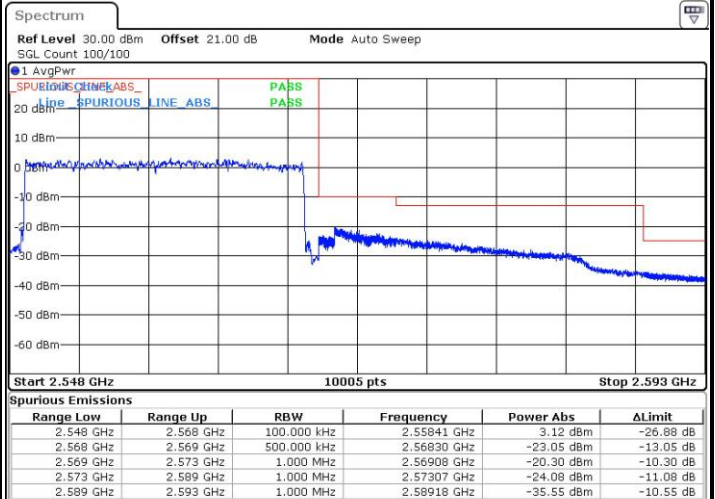
Date: 14 DEC 2018 21:58:14

Lowest Band Edge / Full RB



Date: 14 DEC 2018 21:50:24

Highest Band Edge / Full RB

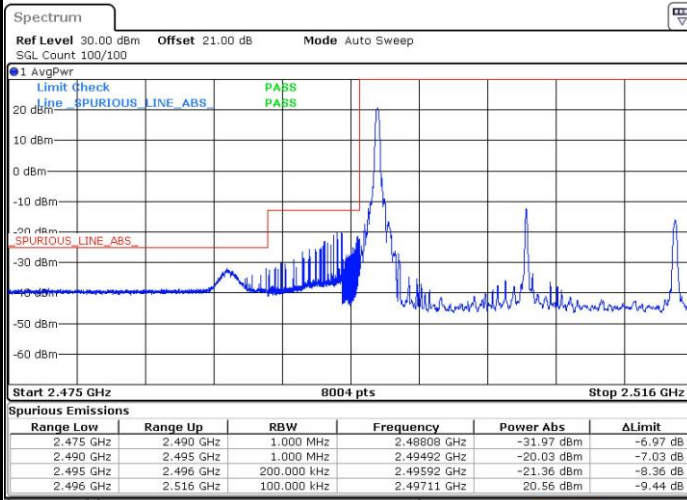


Date: 14 DEC 2018 21:57:41



LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



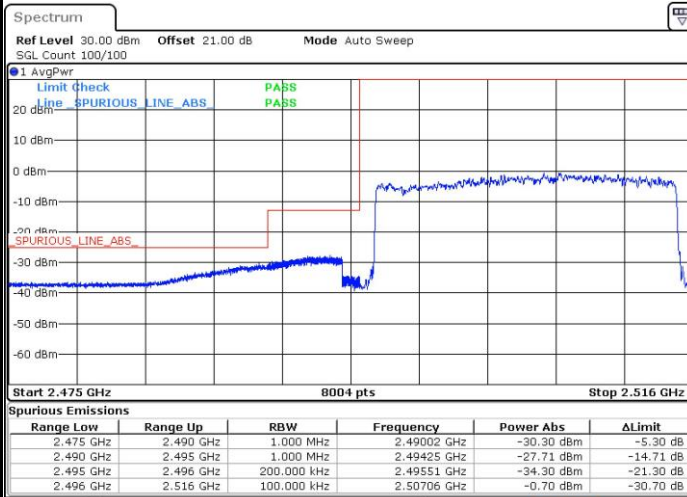
Date: 14.DEC.2018 21:52:14

Highest Band Edge / 1 RB



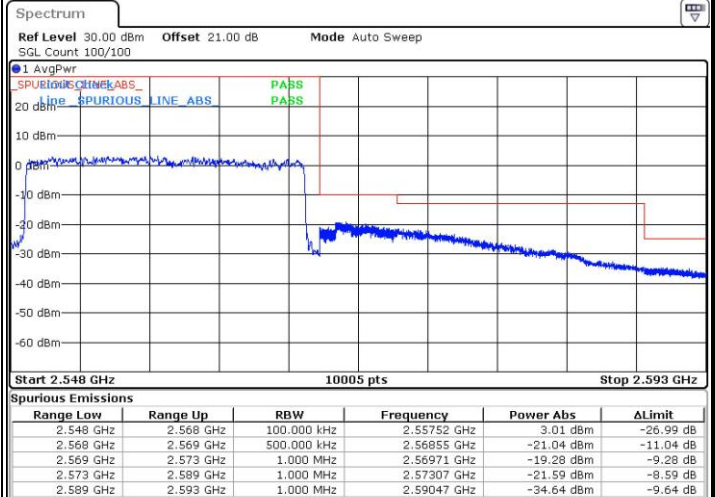
Date: 14.DEC.2018 21:58:33

Lowest Band Edge / Full RB



Date: 24.DEC.2018 23:37:34

Highest Band Edge / Full RB



Date: 14.DEC.2018 21:57:29



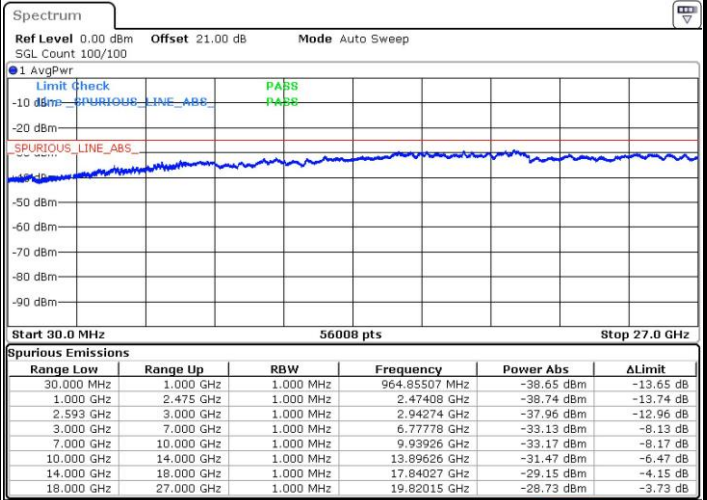
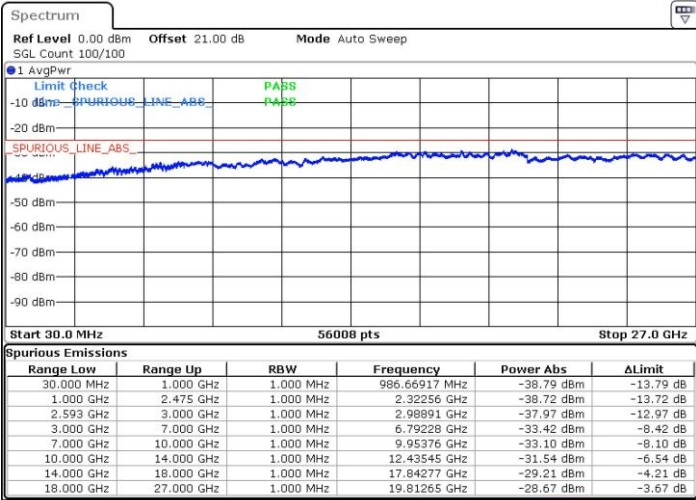
Conducted Spurious Emission



LTE Band 41 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

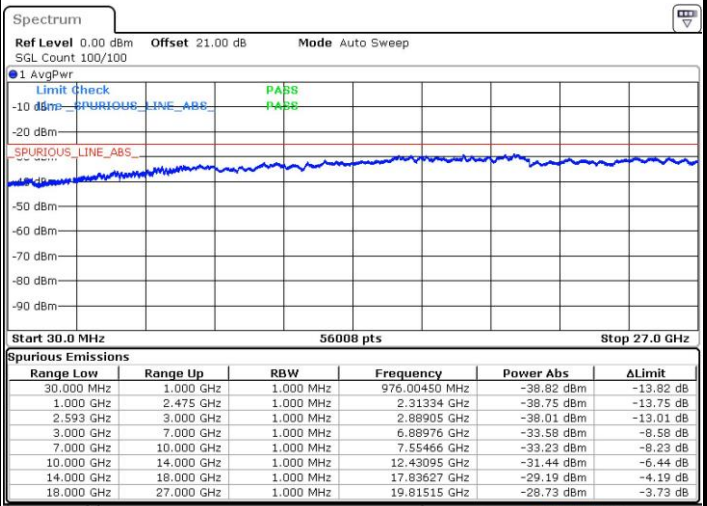
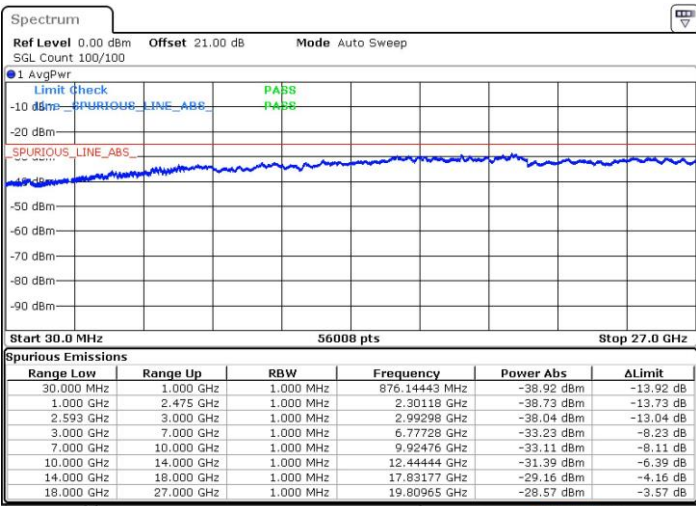


Date: 14.DEC.2018 20:40:56

Date: 14.DEC.2018 20:41:53

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.DEC.2018 20:42:49

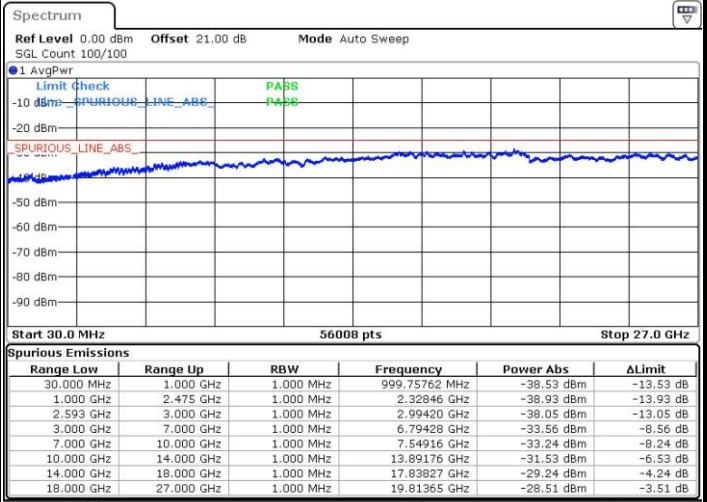
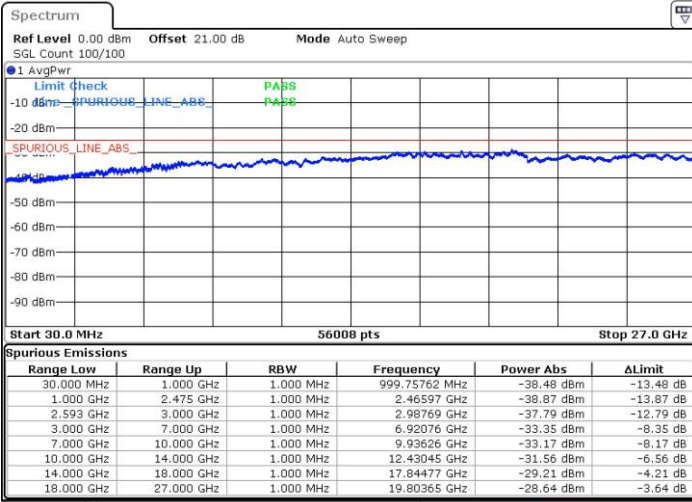
Date: 14.DEC.2018 20:43:46



LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



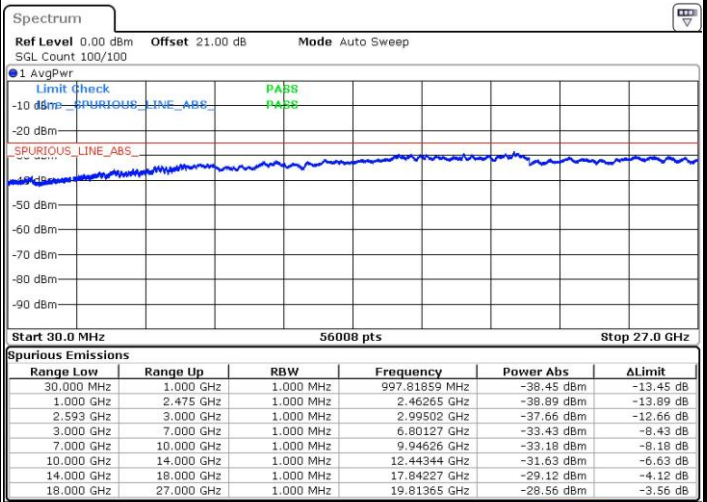
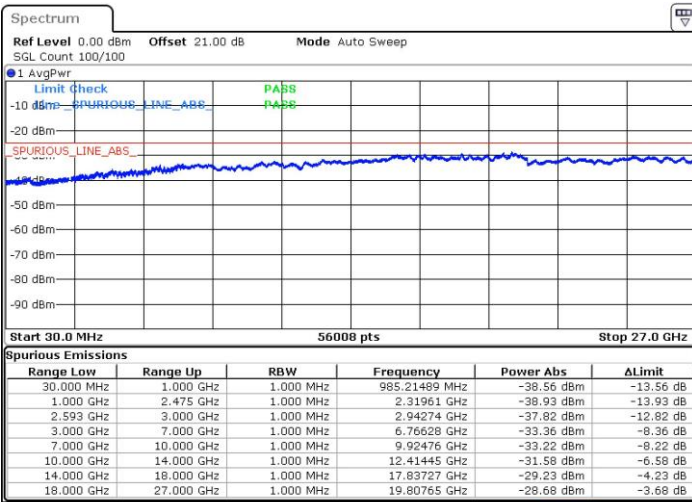
Date: 14.DEC.2018 20:44:43

Date: 14.DEC.2018 20:45:39

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.DEC.2018 20:46:37

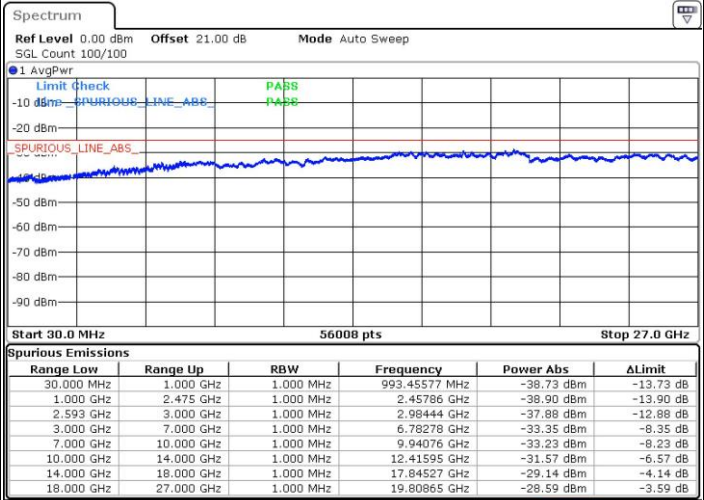
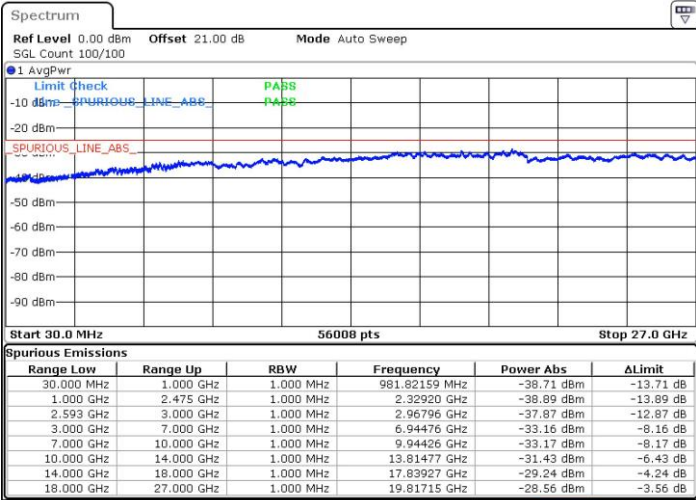
Date: 14.DEC.2018 20:47:33



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

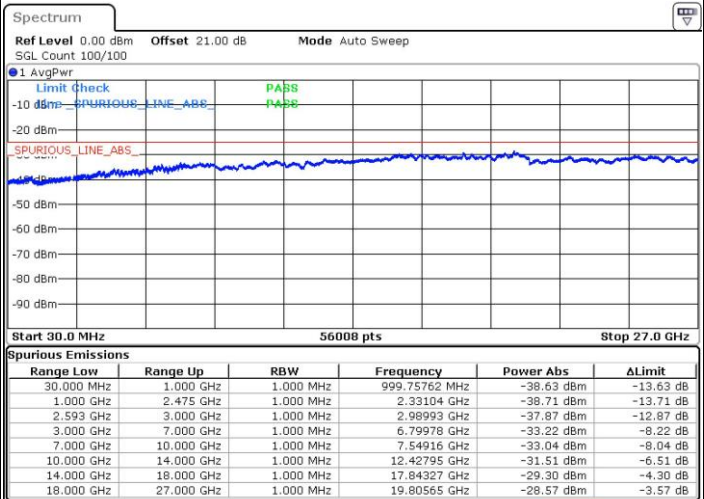
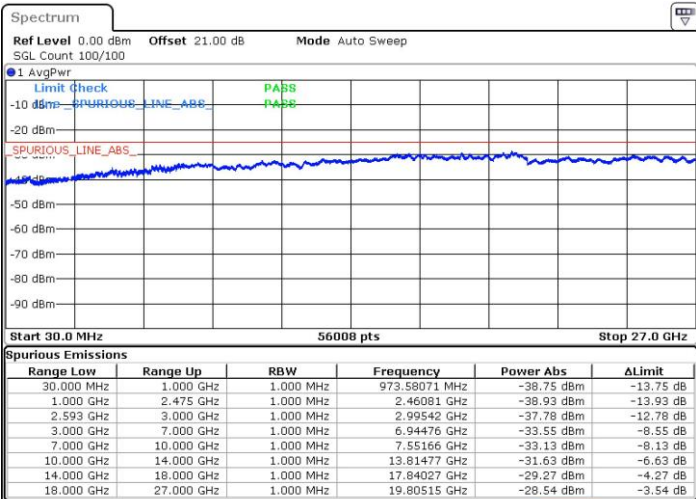


Date: 14.DEC.2018 20:48:30

Date: 14.DEC.2018 20:49:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.DEC.2018 20:50:23

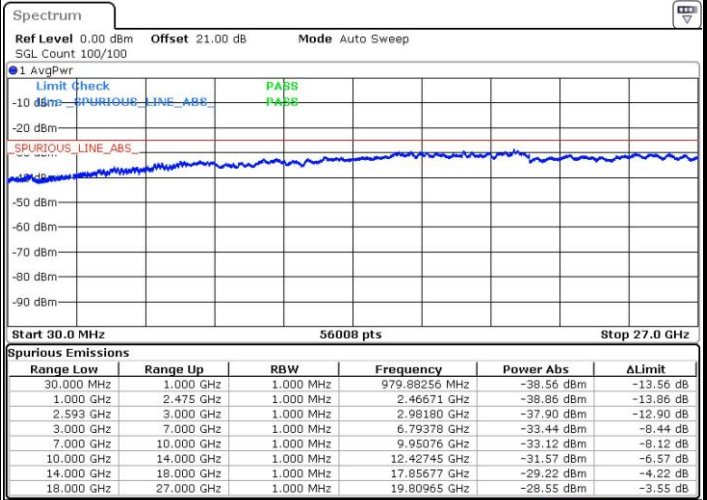
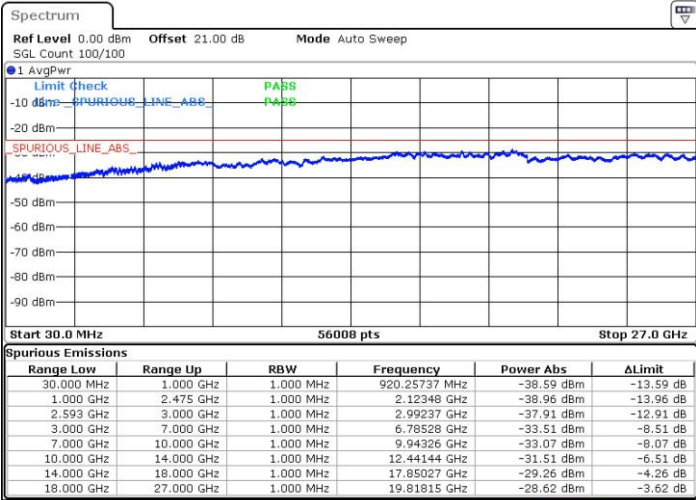
Date: 14.DEC.2018 20:51:20



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

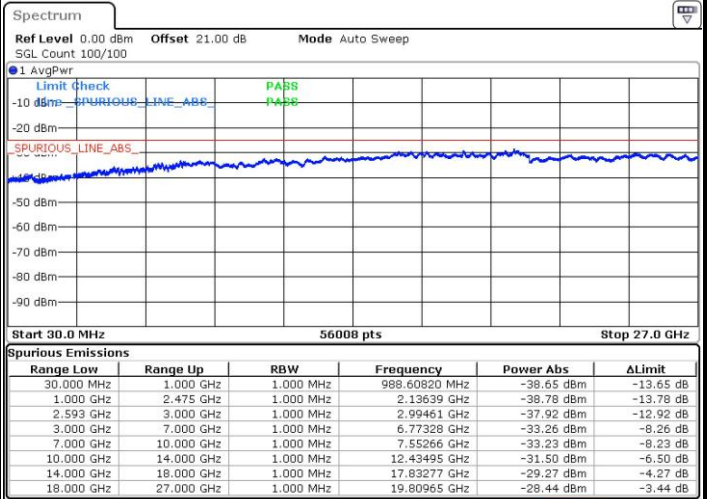
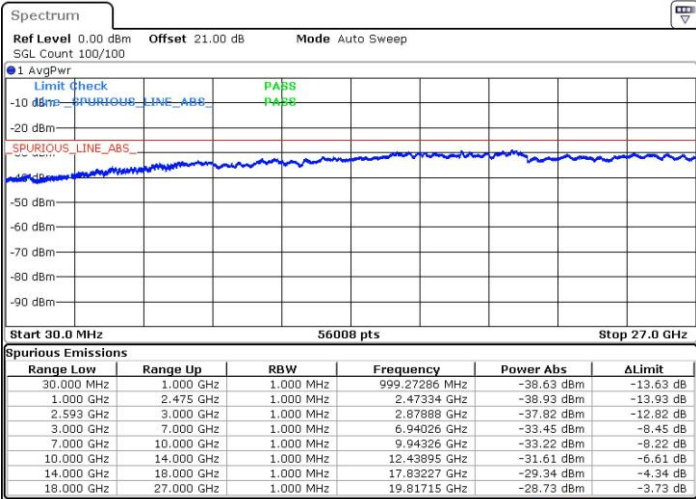


Date: 14.DEC.2018 21:28:23

Date: 14.DEC.2018 21:29:16

Middle Channel / QPSK

Middle Channel / 16QAM



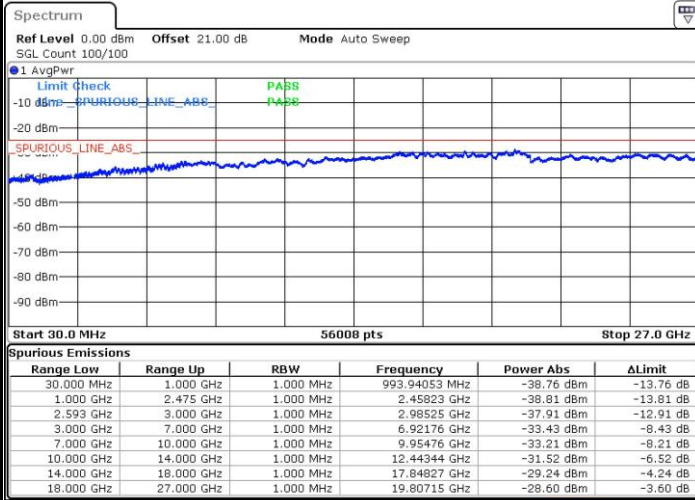
Date: 14.DEC.2018 21:30:08

Date: 14.DEC.2018 21:31:01



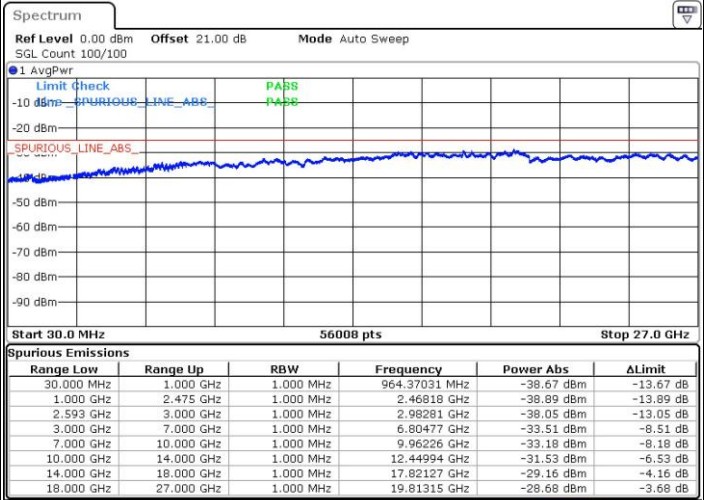
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 14.DEC.2018 21:31:53

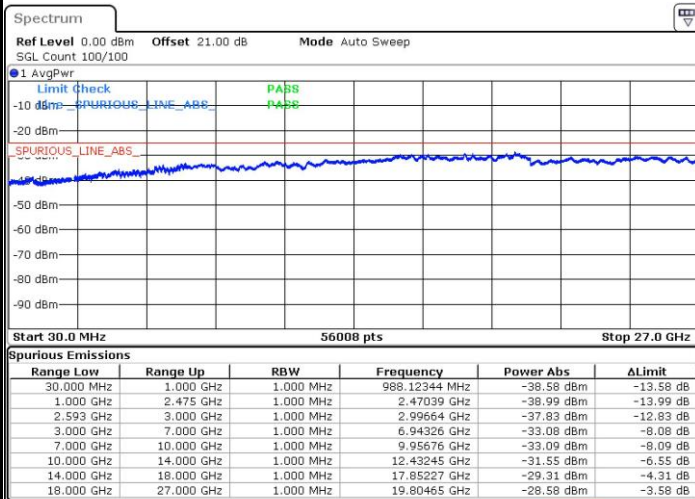
Highest Channel / 16QAM



Date: 14.DEC.2018 21:32:45

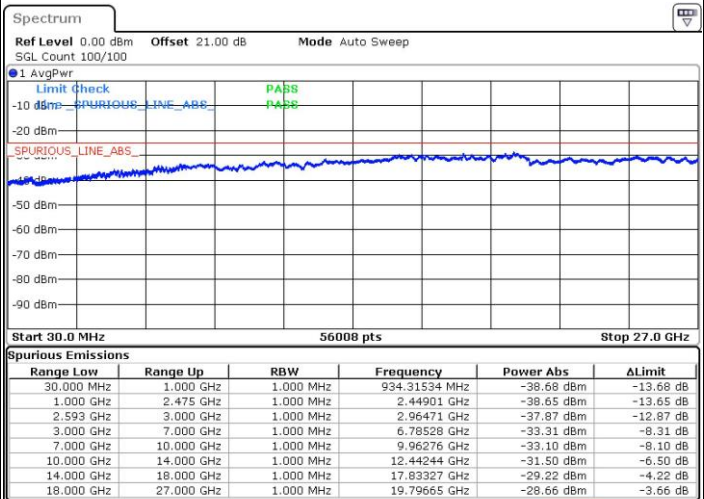
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 14.DEC.2018 21:33:38

Lowest Channel / 16QAM



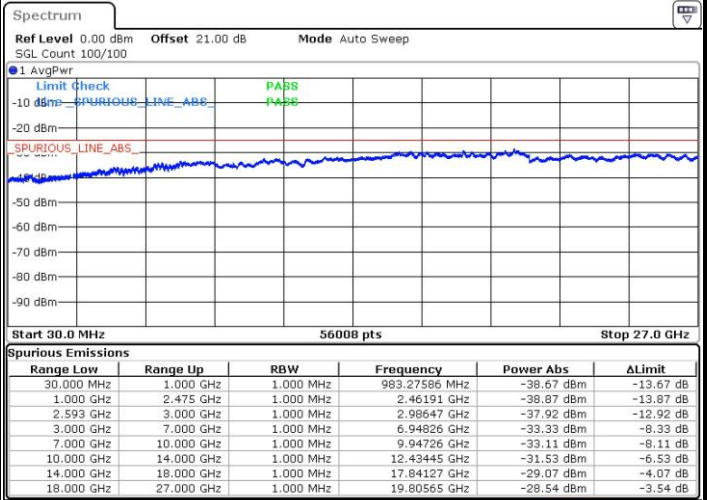
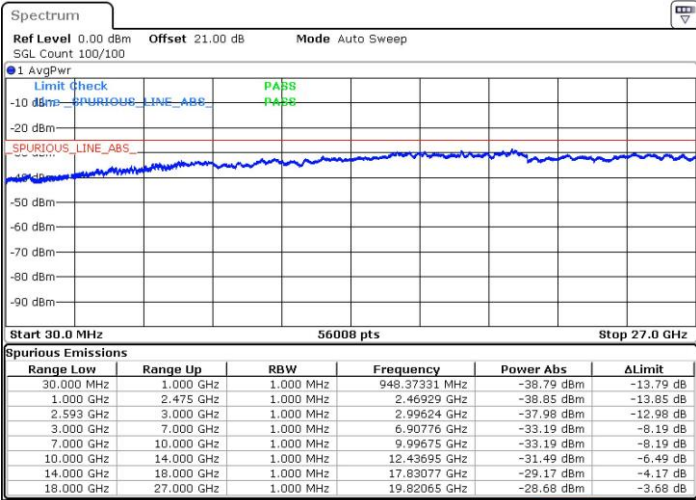
Date: 14.DEC.2018 21:34:30



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

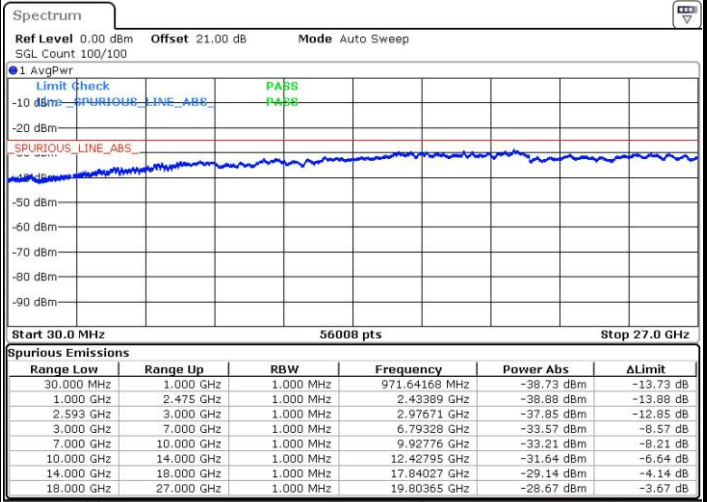
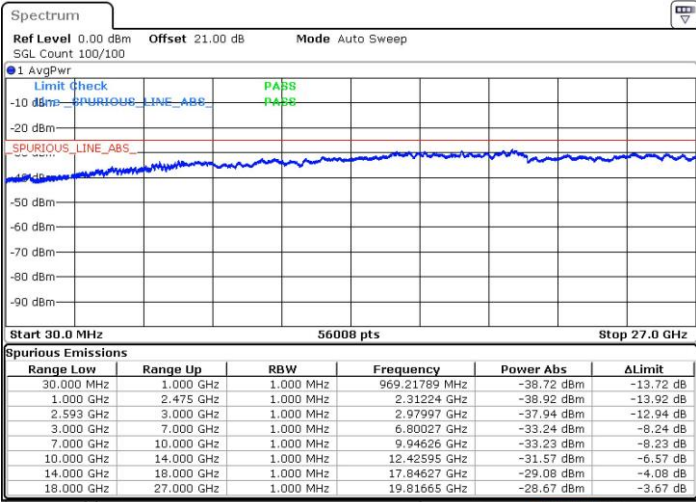


Date: 14.DEC.2018 21:35:23

Date: 14.DEC.2018 21:36:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.DEC.2018 21:37:08

Date: 14.DEC.2018 21:38:00



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0067	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0076	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0104	
20	Maximum Voltage	0.0116	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0049	

Note:

- 3. Normal Voltage =120 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240 V.
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block.



<For 4x4 Tx Low Band Chain 3>

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.59	4.87	5.74	5.71	PASS
Middle CH	5.13	5.33	6.14	6.09	
Highest CH	5.01	5.07	5.42	5.77	



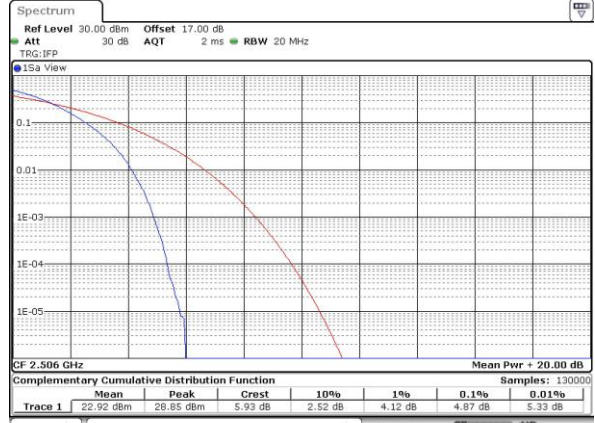
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



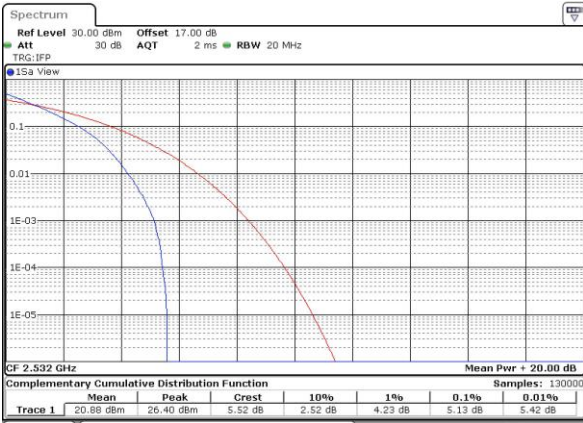
Date: 14 DEC 2018 19:05:36

Lowest Channel / Full RB



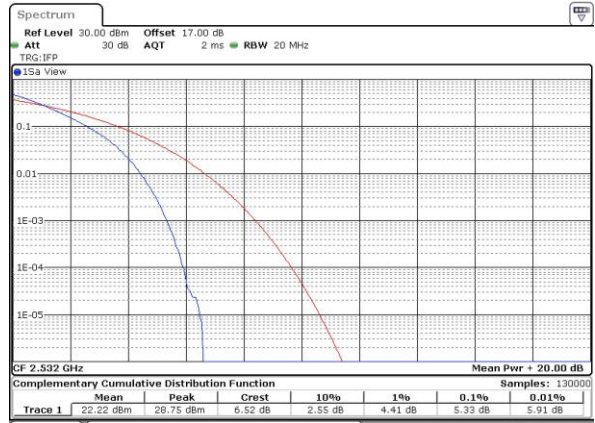
Date: 14 DEC 2018 19:01:07

Middle Channel / 1RB



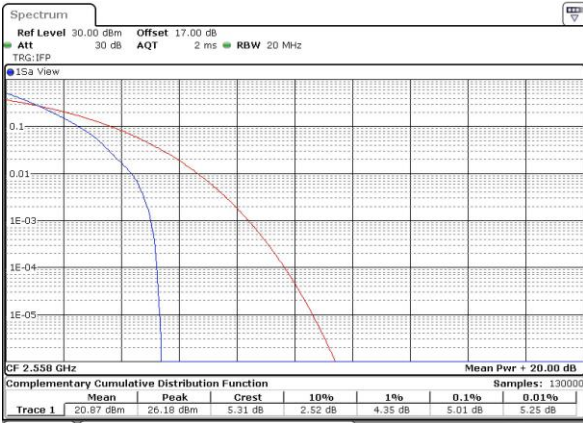
Date: 14 DEC 2018 19:22:45

Middle Channel / Full RB



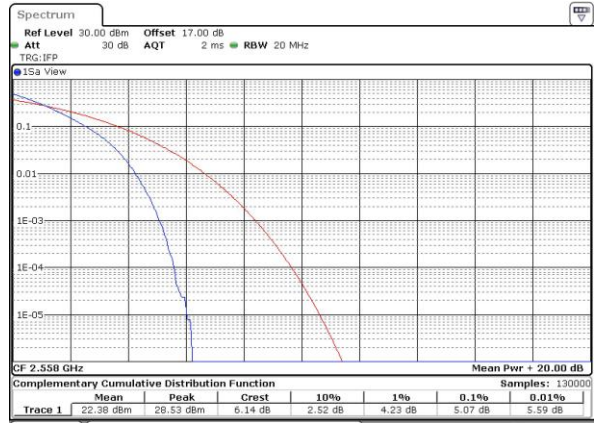
Date: 14 DEC 2018 19:20:38

Highest Channel / 1RB



Date: 14 DEC 2018 19:25:15

Highest Channel / Full RB

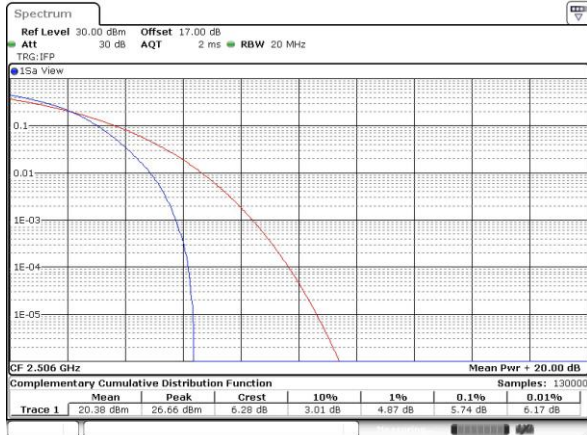


Date: 14 DEC 2018 19:30:24



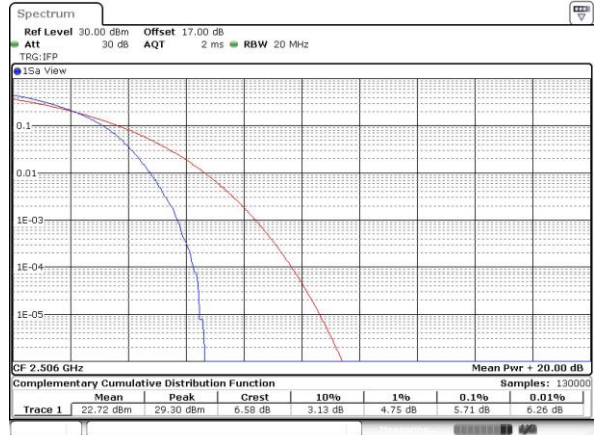
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



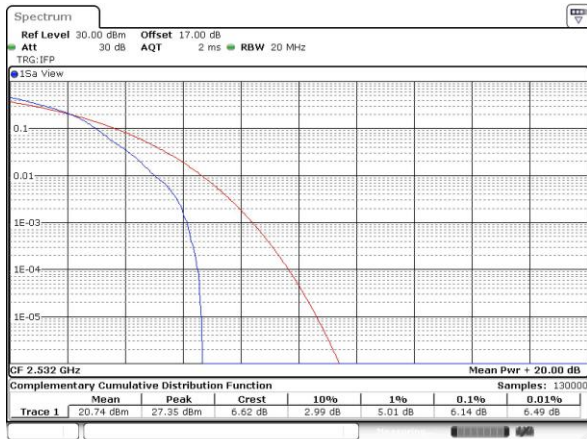
Date: 14 DEC 2018 19:04:05

Lowest Channel / Full RB



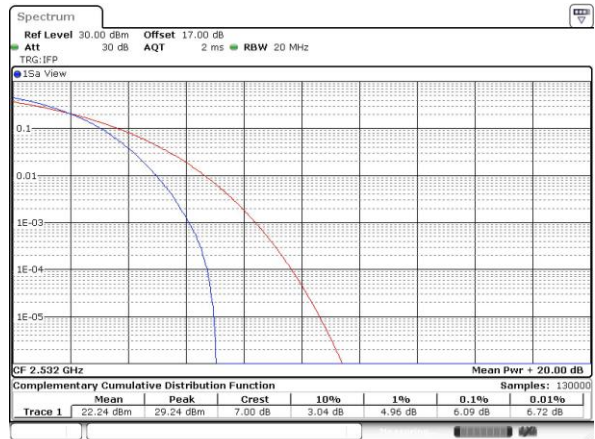
Date: 14 DEC 2018 19:01:46

Middle Channel / 1RB



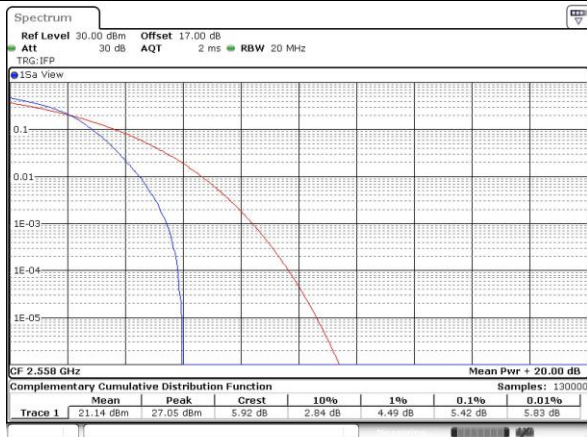
Date: 14 DEC 2018 19:22:31

Middle Channel / Full RB



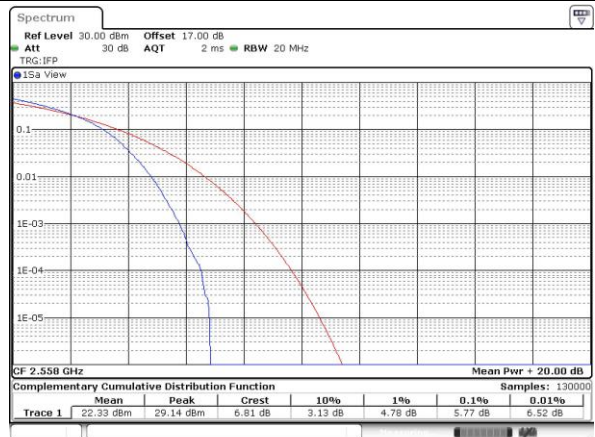
Date: 14 DEC 2018 19:21:05

Highest Channel / 1RB



Date: 14 DEC 2018 19:27:46

Highest Channel / Full RB



Date: 14 DEC 2018 19:28:10



26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.89	4.99	9.63	9.81	14.30	14.33	19.98	20.10
Middle CH	-	-	-	-	5.07	5.13	9.99	9.67	14.18	14.24	20.18	20.10
Highest CH	-	-	-	-	5.38	5.06	9.93	9.75	14.21	14.30	20.10	20.06