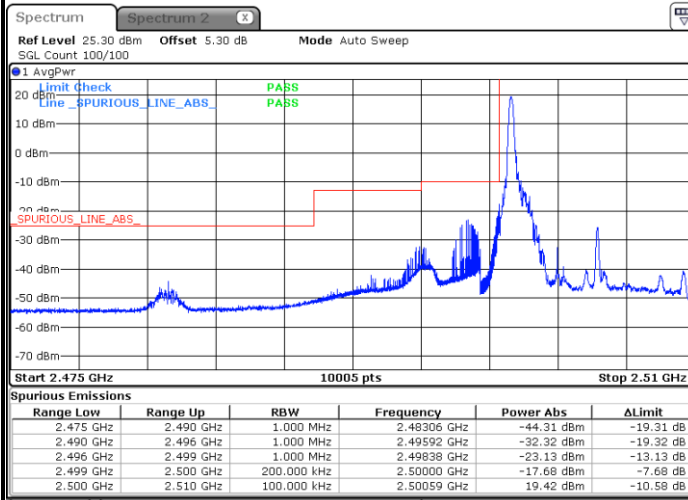




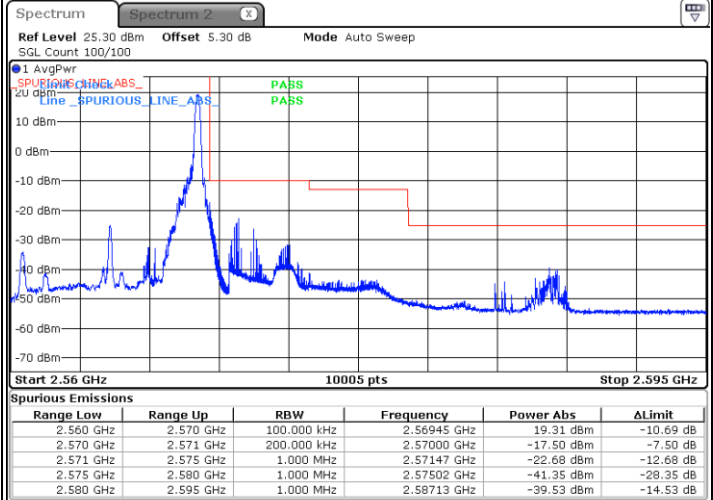
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



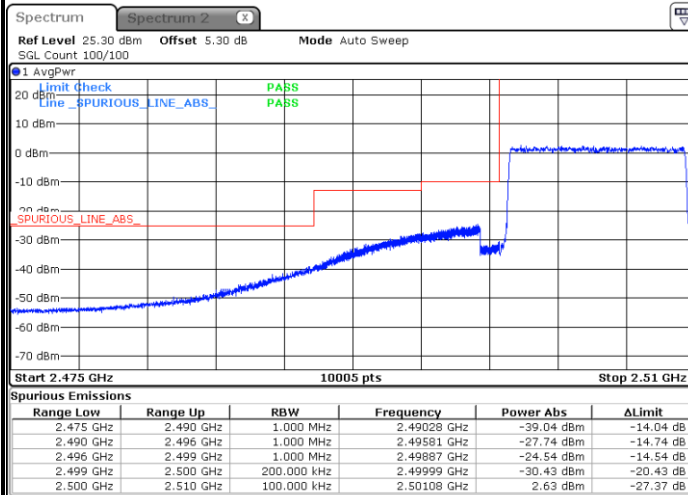
Date: 9 JAN 2007 21:24:45

Highest Band Edge / 1 RB



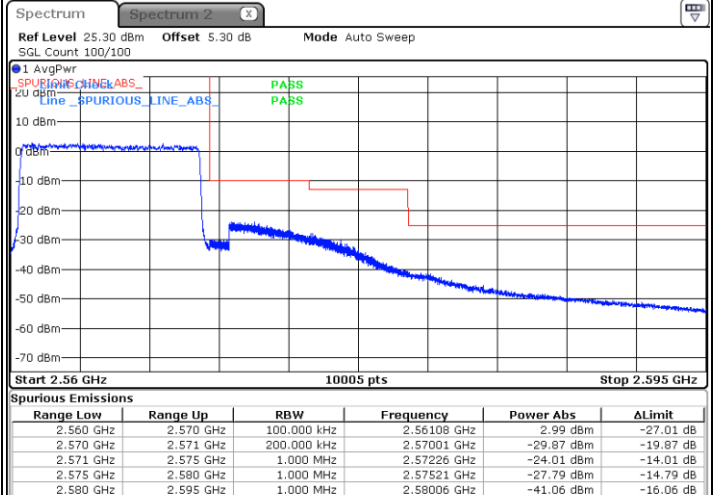
Date: 9 JAN 2007 21:30:25

Lowest Band Edge / Full RB



Date: 9 JAN 2007 21:25:53

Highest Band Edge / Full RB

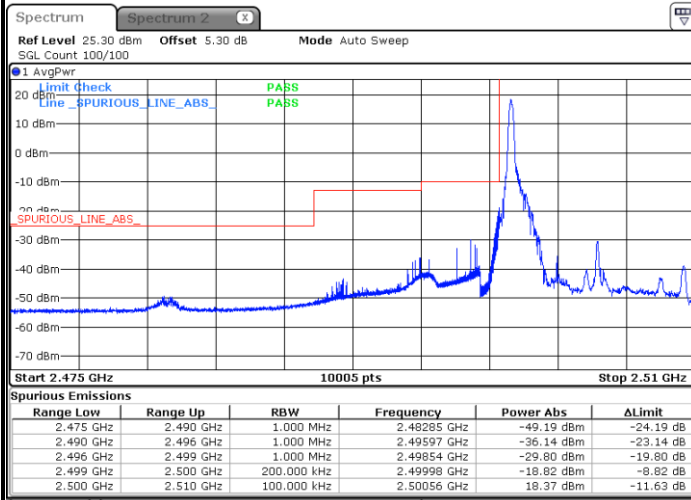


Date: 9 JAN 2007 21:29:17

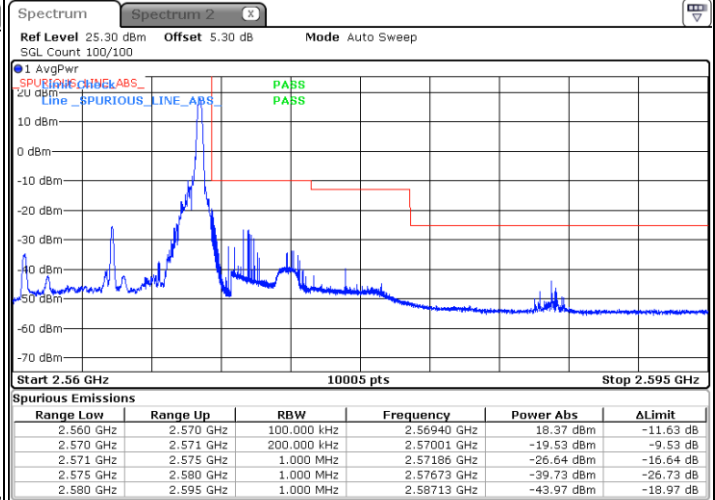


LTE Band 7 / 10MHz / 64QAM

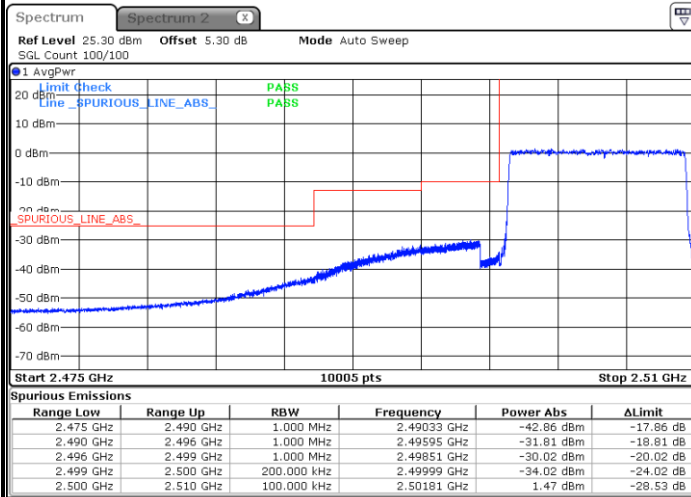
Lowest Band Edge / 1 RB



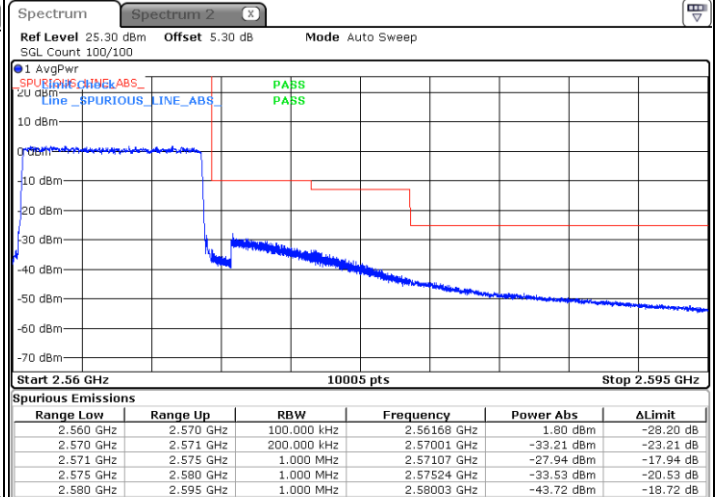
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



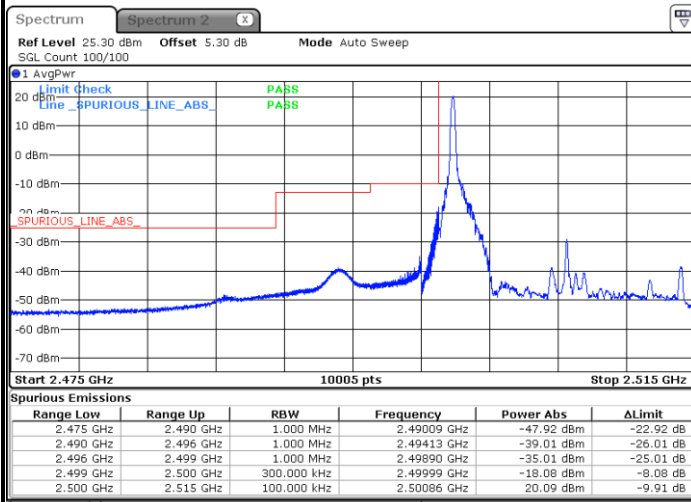
Highest Band Edge / Full RB





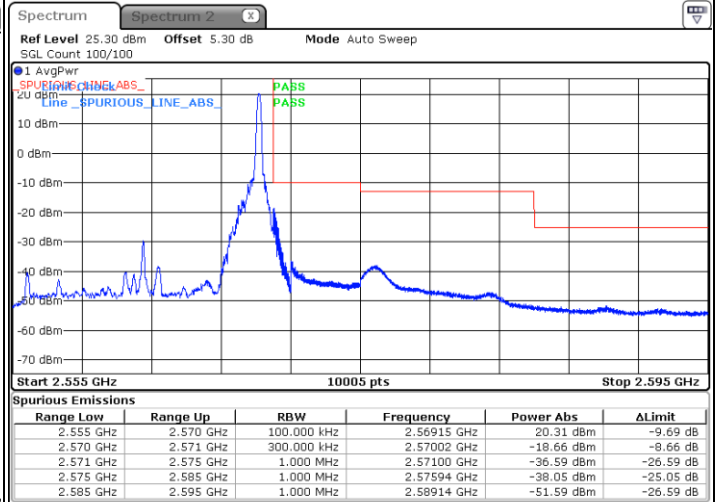
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



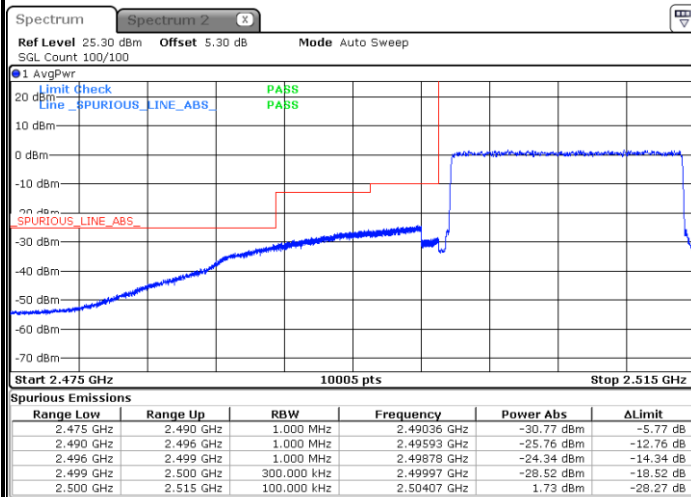
Date: 9 JAN 2007 21:40:05

Highest Band Edge / 1 RB



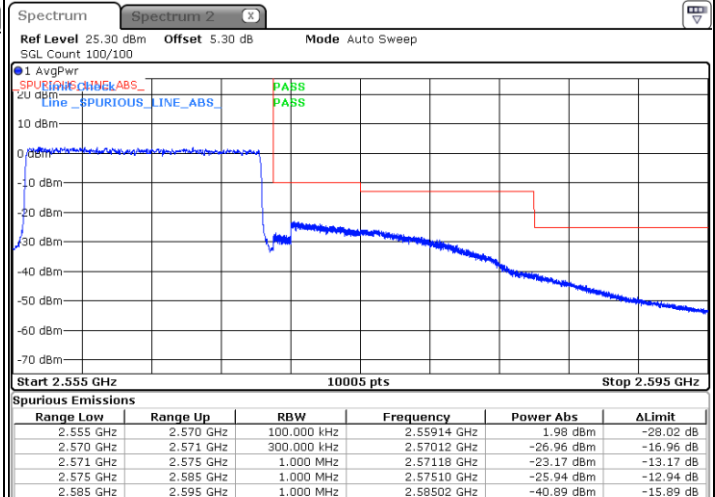
Date: 9 JAN 2007 21:48:02

Lowest Band Edge / Full RB



Date: 9 JAN 2007 21:43:30

Highest Band Edge / Full RB

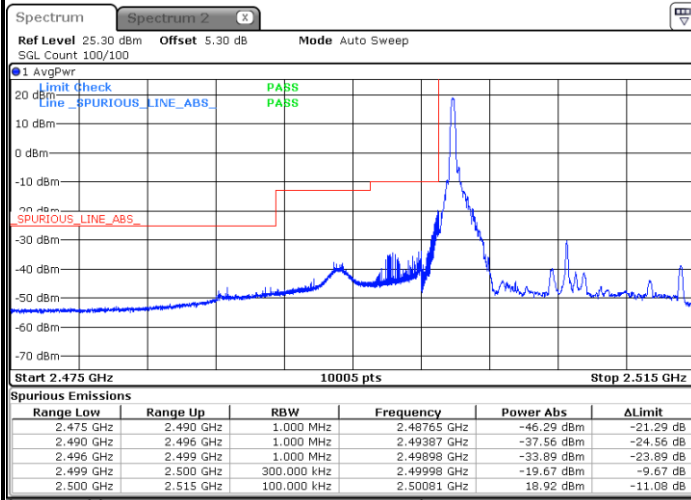


Date: 9 JAN 2007 21:44:38

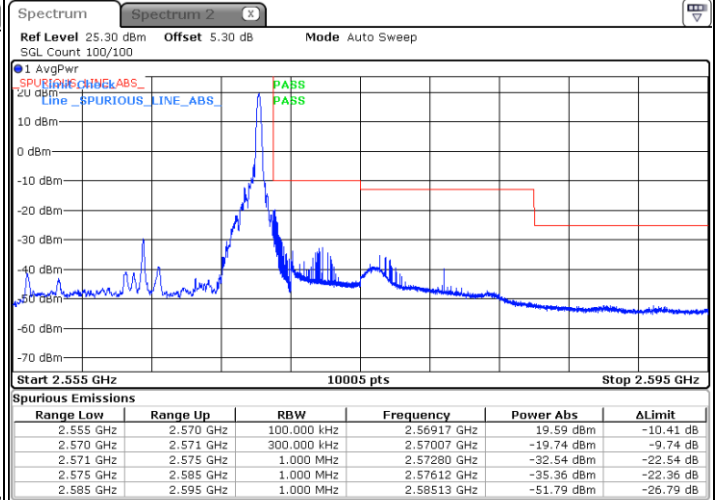


LTE Band 7 / 15MHz / 16QAM

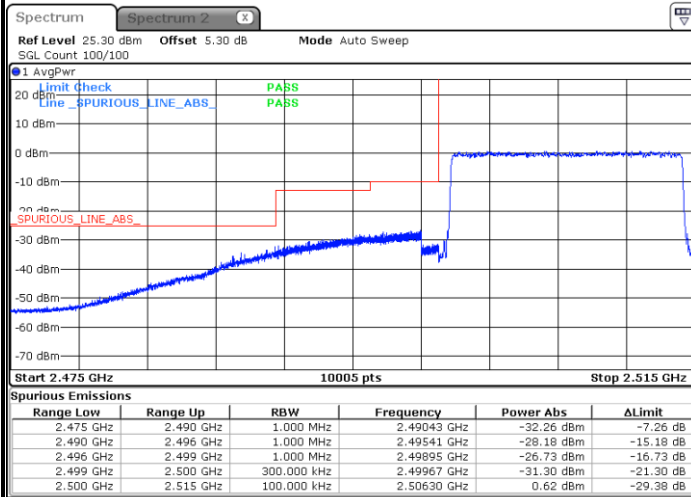
Lowest Band Edge / 1 RB



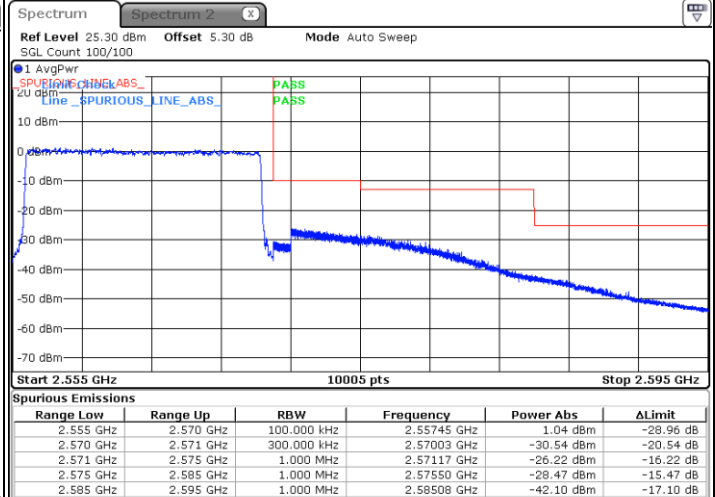
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



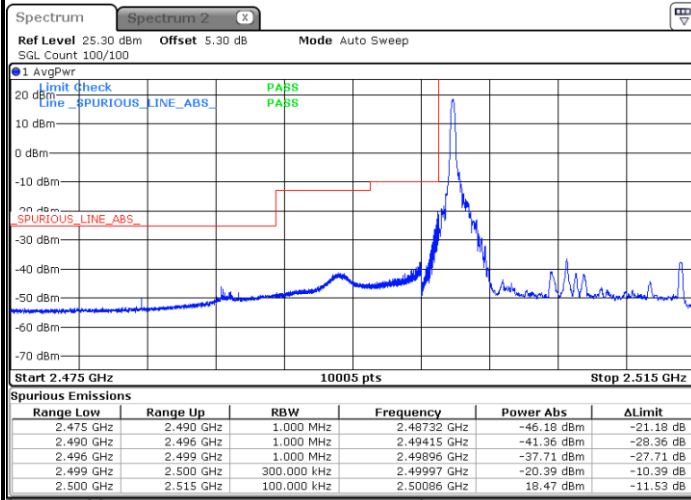
Highest Band Edge / Full RB



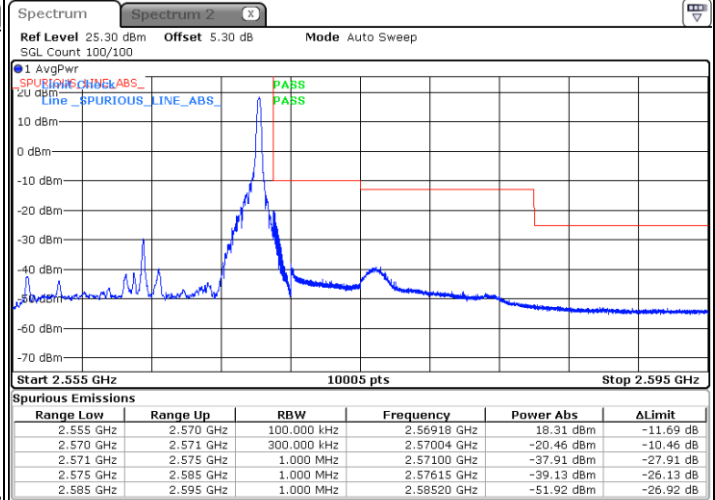


LTE Band 7 / 15MHz / 64QAM

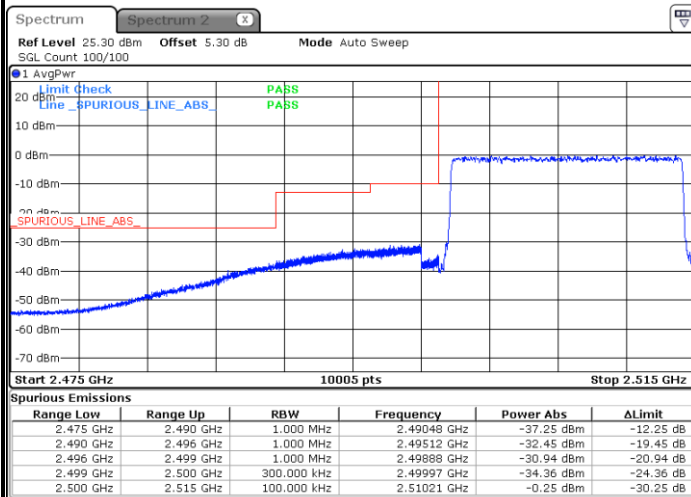
Lowest Band Edge / 1 RB



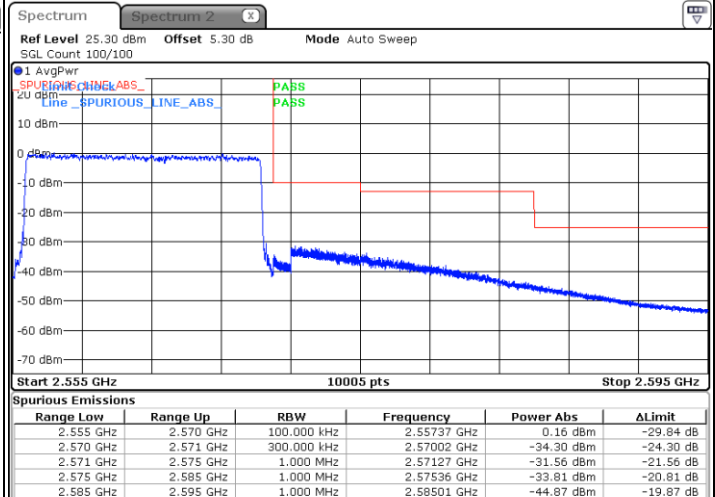
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



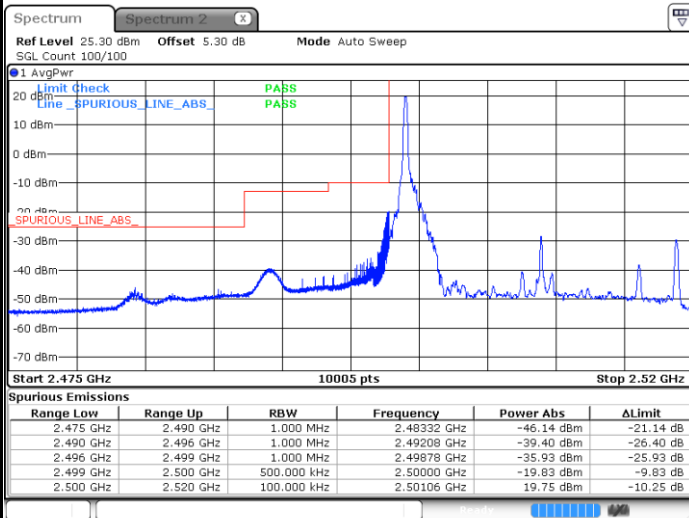
Highest Band Edge / Full RB



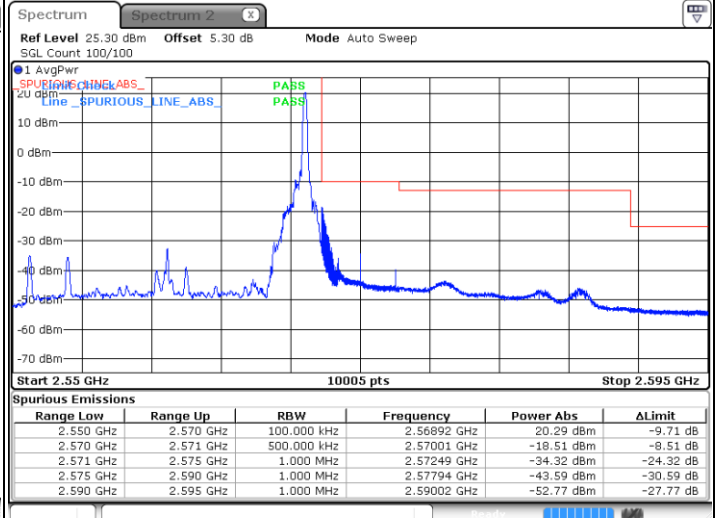


LTE Band 7 / 20MHz / QPSK

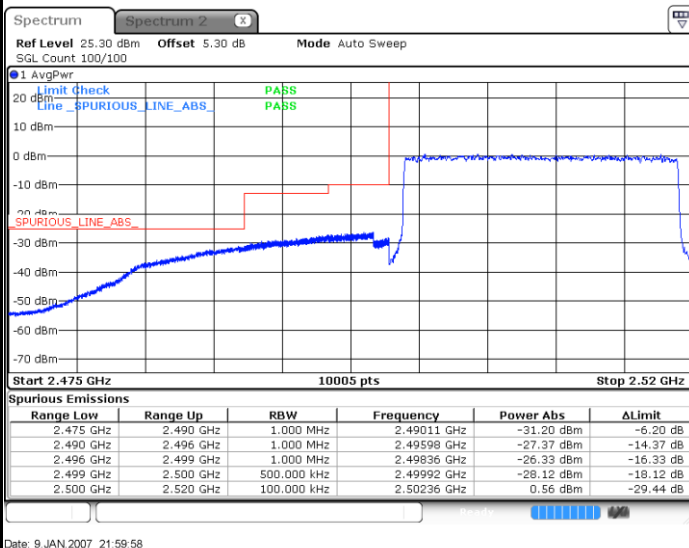
Lowest Band Edge / 1 RB



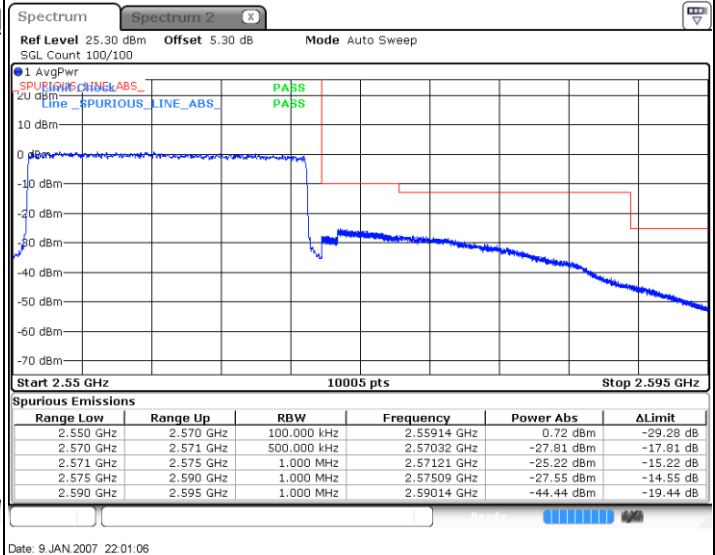
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



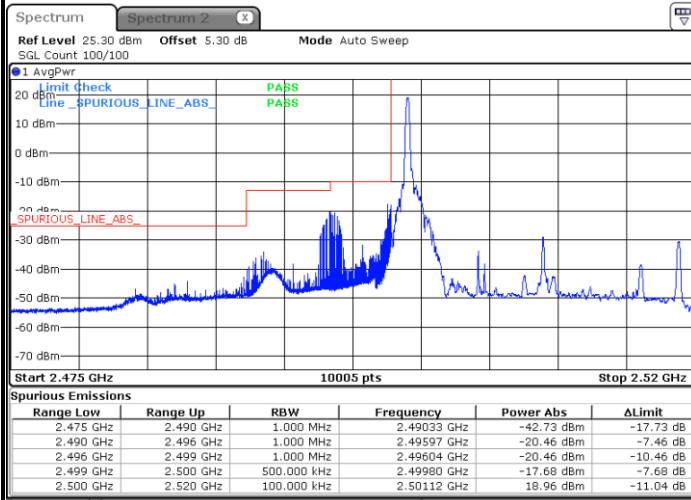
Highest Band Edge / Full RB



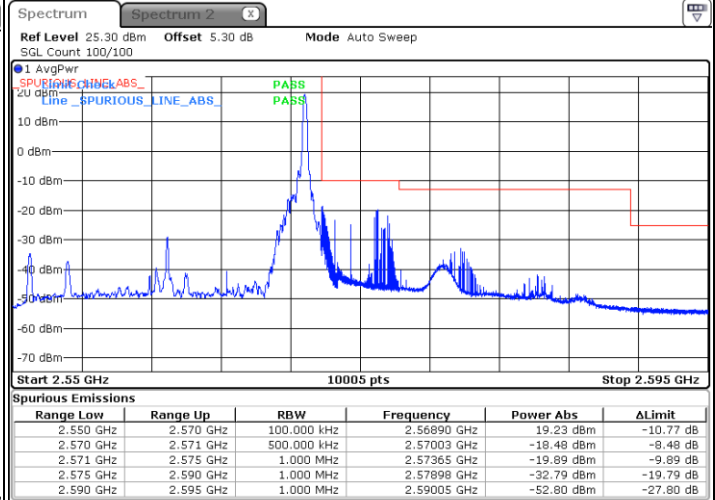


LTE Band 7 / 20MHz / 16QAM

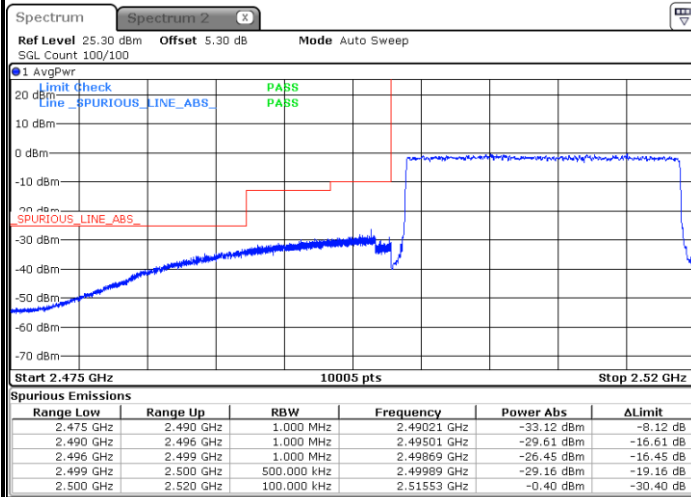
Lowest Band Edge / 1 RB



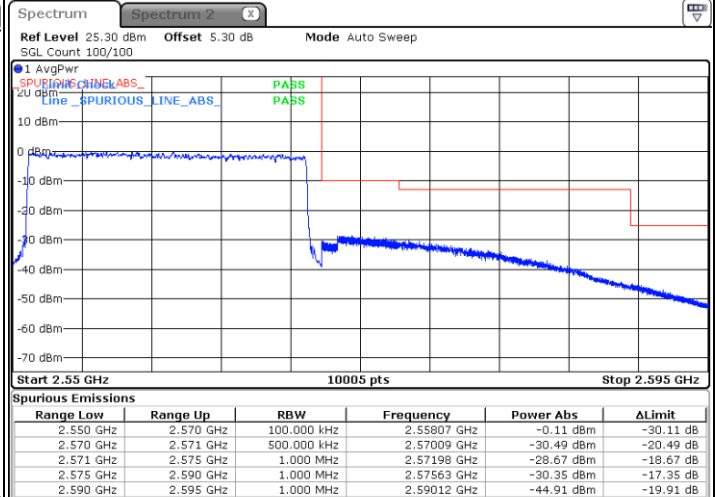
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



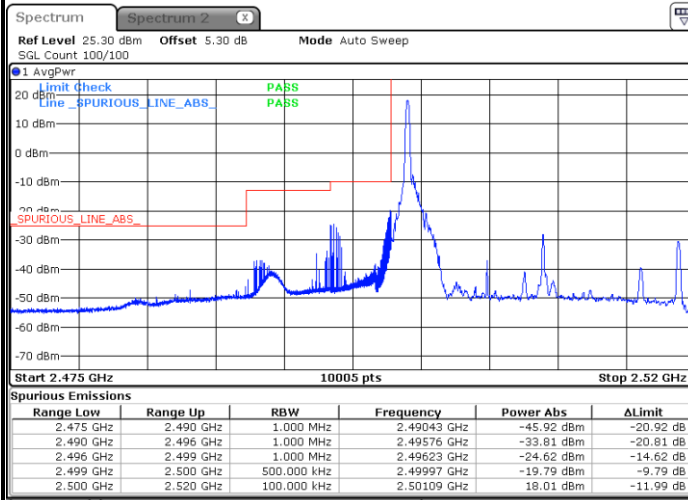
Highest Band Edge / Full RB



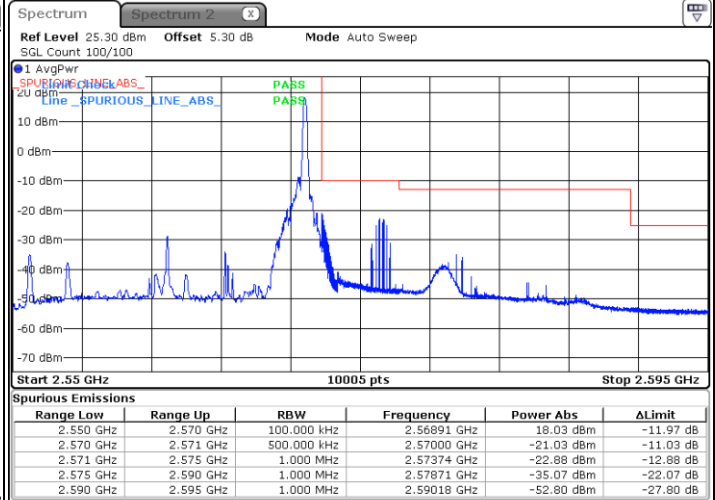


LTE Band 7 / 20MHz / 64QAM

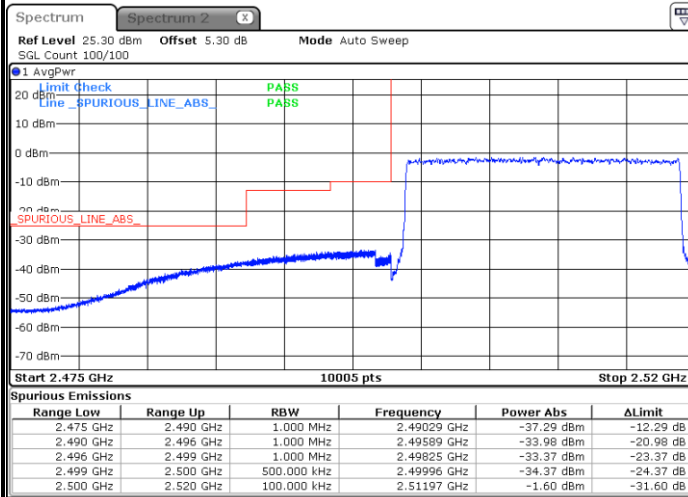
Lowest Band Edge / 1 RB



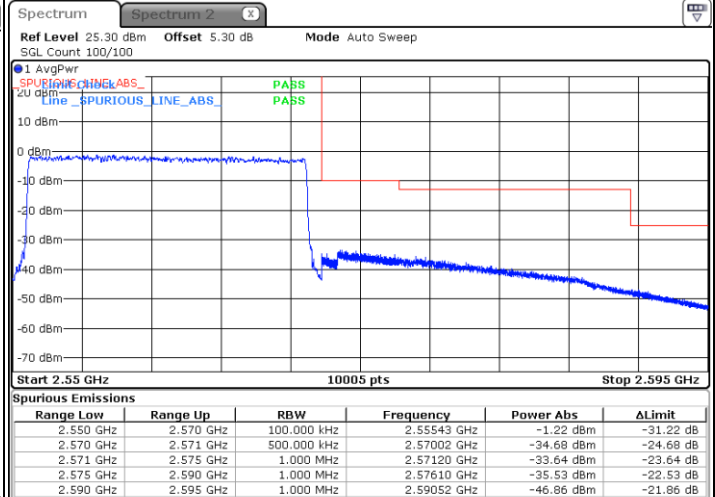
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



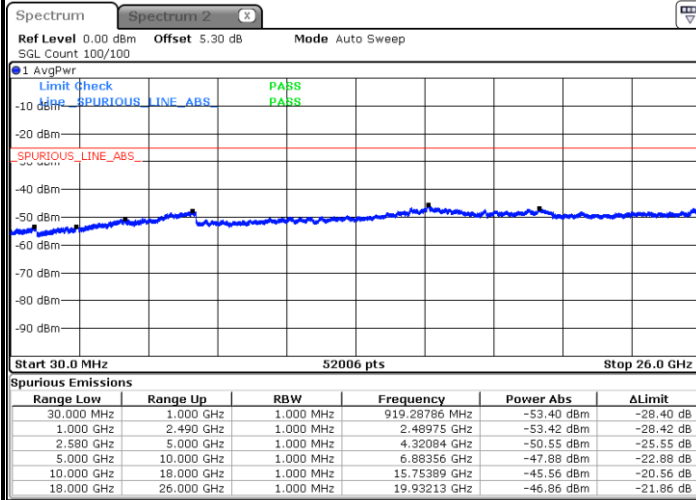


Conducted Spurious Emission



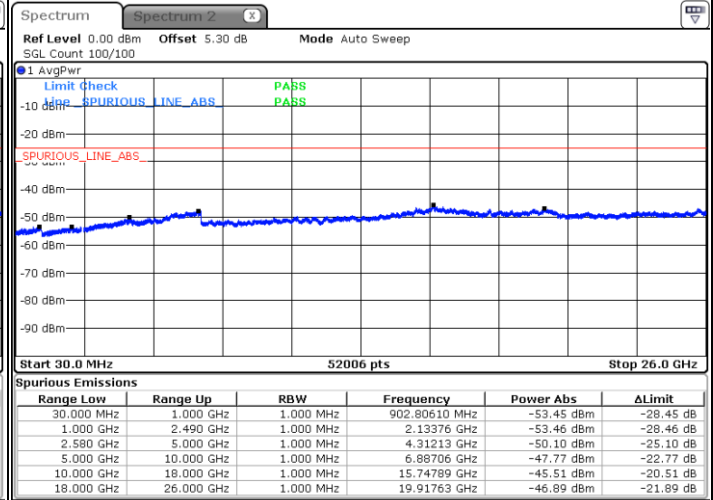
LTE Band 7 / 5MHz

Lowest Channel / QPSK



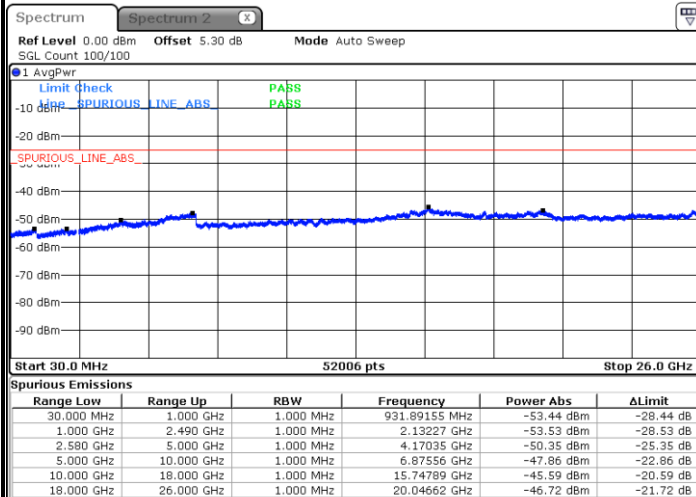
Date: 9 JAN 2007 21:15:59

Lowest Channel / 16QAM



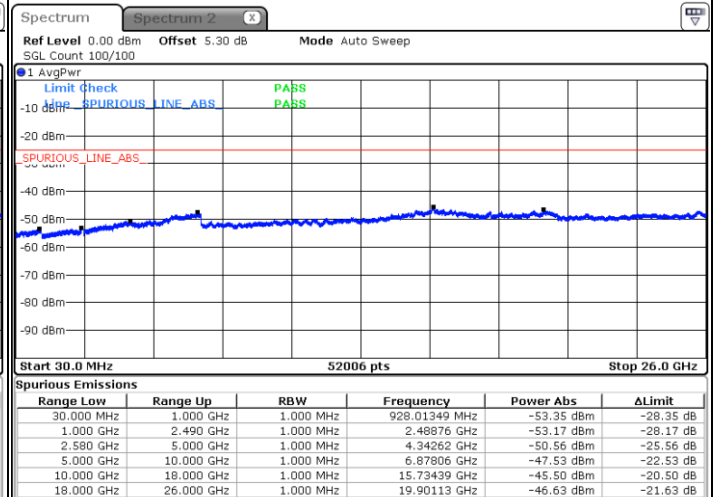
Date: 9 JAN 2007 21:16:52

Middle Channel / QPSK



Date: 9 JAN 2007 21:18:40

Middle Channel / 16QAM

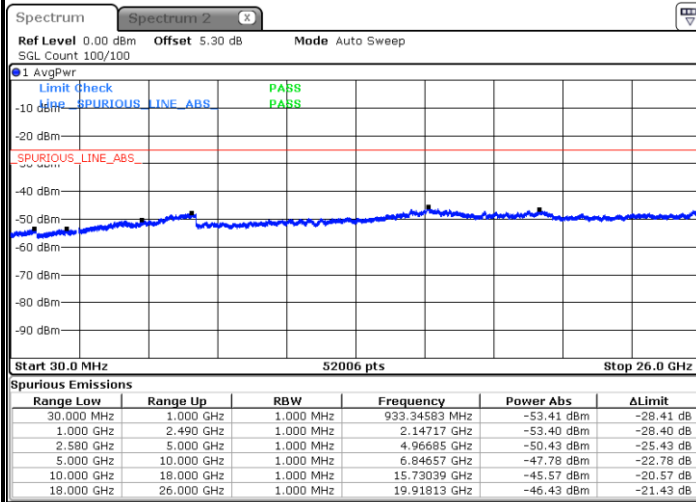


Date: 9 JAN 2007 21:17:46



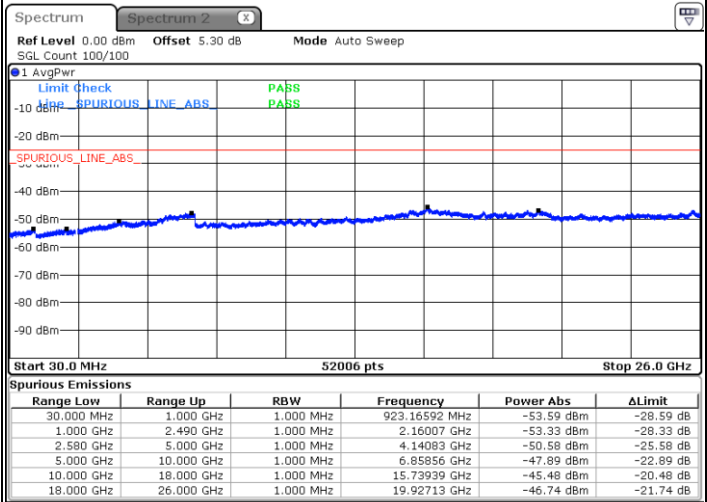
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 9 JAN 2007 21:19:34

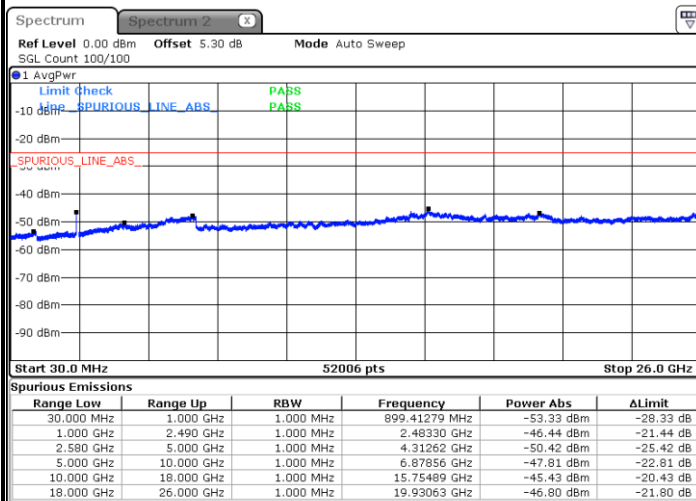
Highest Channel / 16QAM



Date: 9 JAN 2007 21:20:27

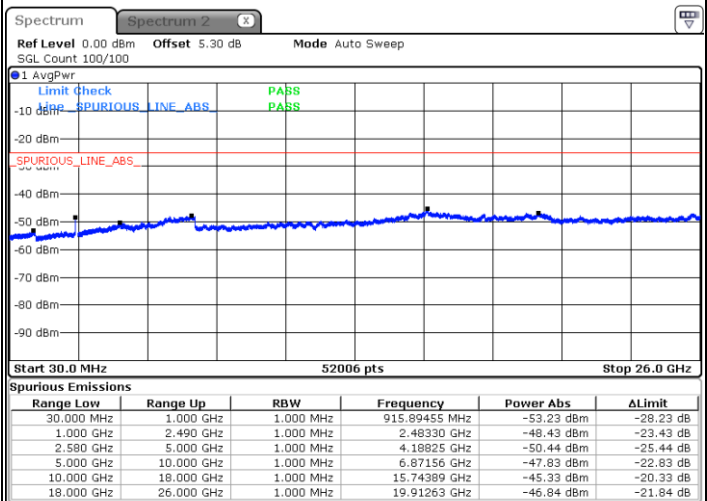
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 9 JAN 2007 21:32:26

Lowest Channel / 16QAM

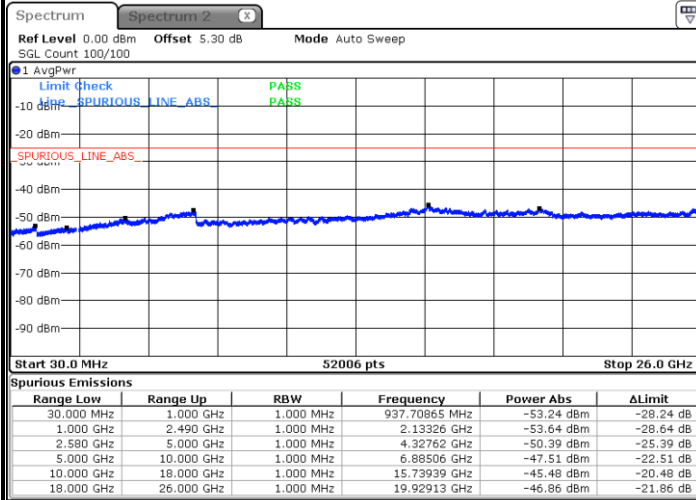


Date: 9 JAN 2007 21:33:20



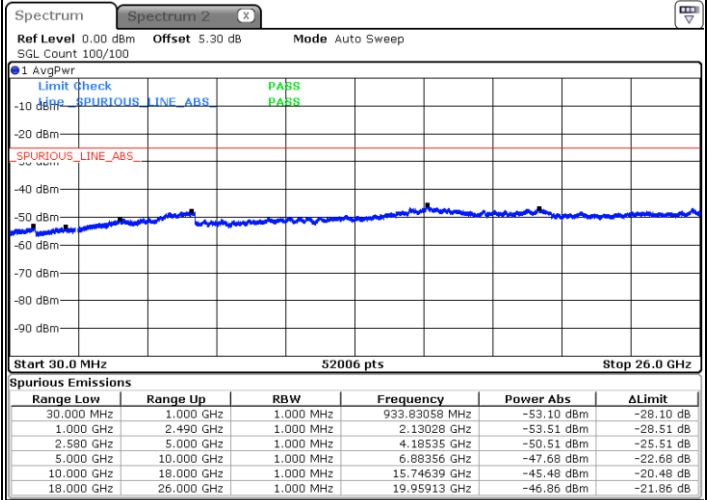
LTE Band 7 / 10MHz

Middle Channel / QPSK



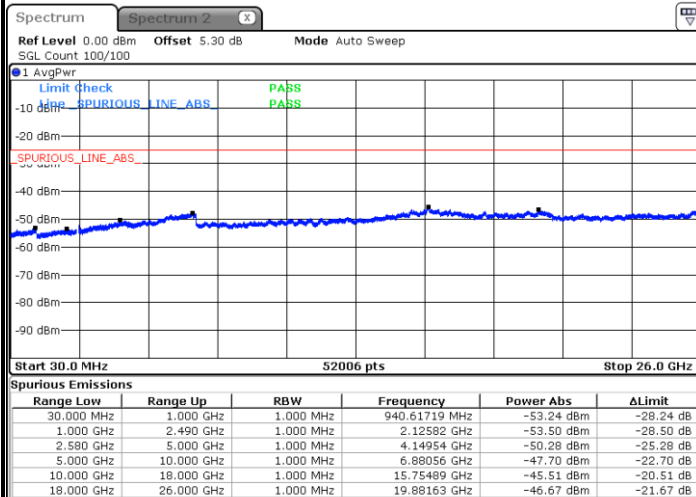
Date: 9 JAN 2007 21:35:07

Middle Channel / 16QAM



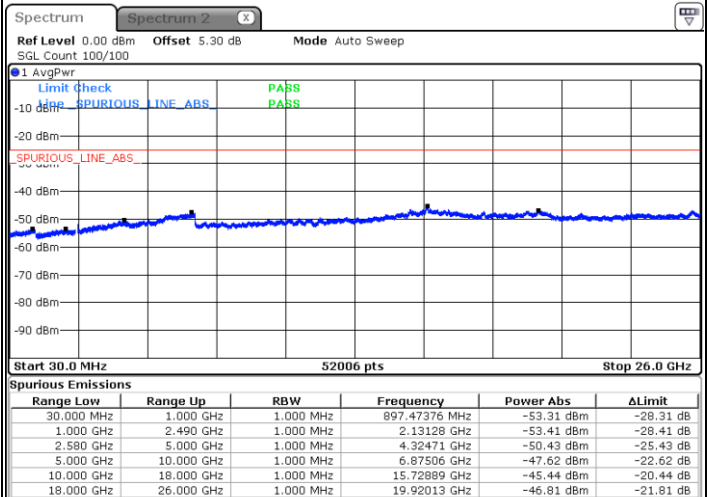
Date: 9 JAN 2007 21:34:14

Highest Channel / QPSK



Date: 9 JAN 2007 21:36:01

Highest Channel / 16QAM

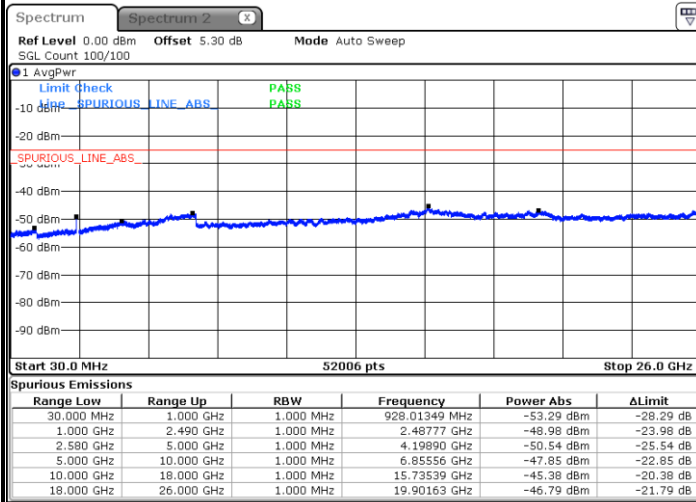


Date: 9 JAN 2007 21:36:55



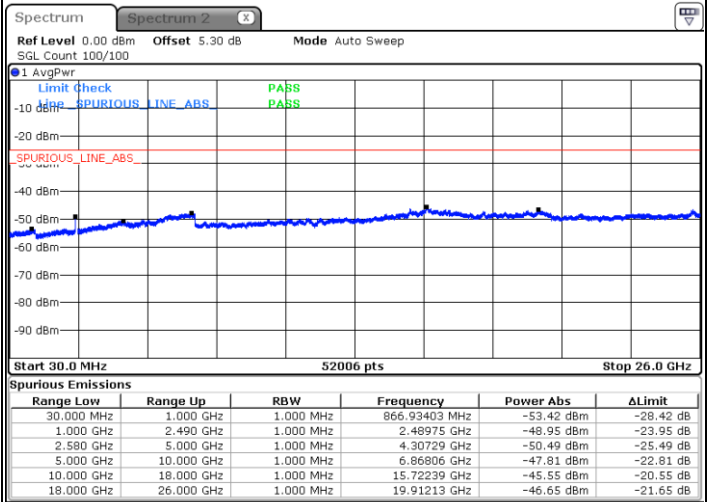
LTE Band 7 / 15MHz

Lowest Channel / QPSK



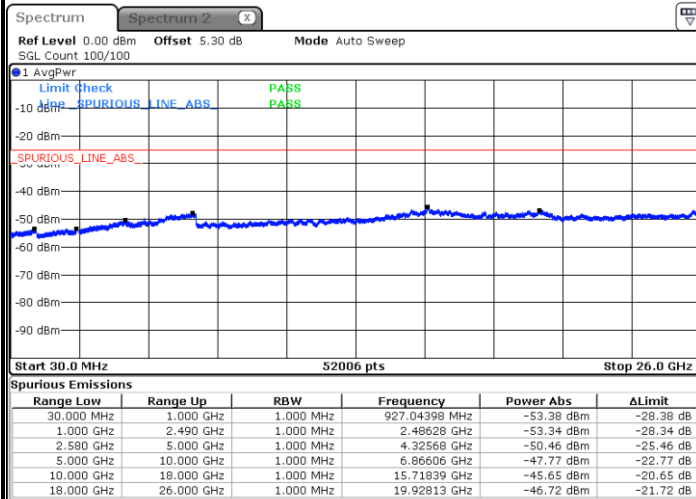
Date: 9 JAN 2007 21:48:55

Lowest Channel / 16QAM



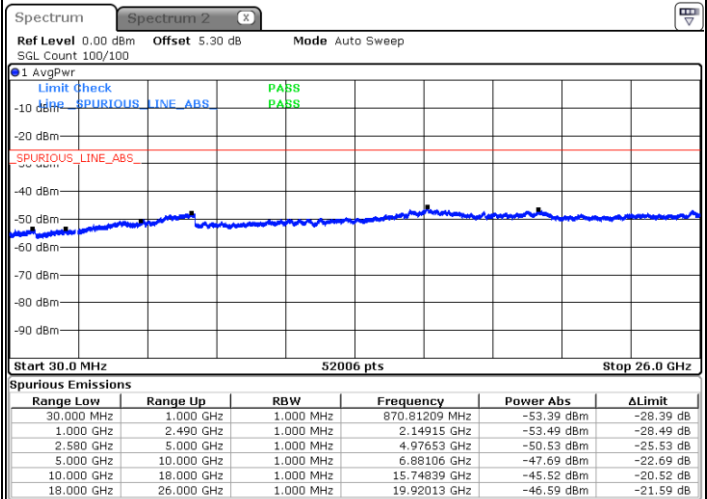
Date: 9 JAN 2007 21:49:49

Middle Channel / QPSK



Date: 9 JAN 2007 21:51:36

Middle Channel / 16QAM

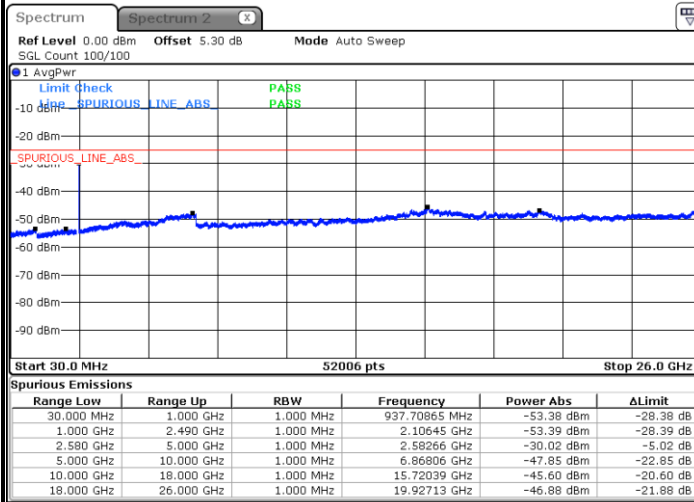


Date: 9 JAN 2007 21:50:42



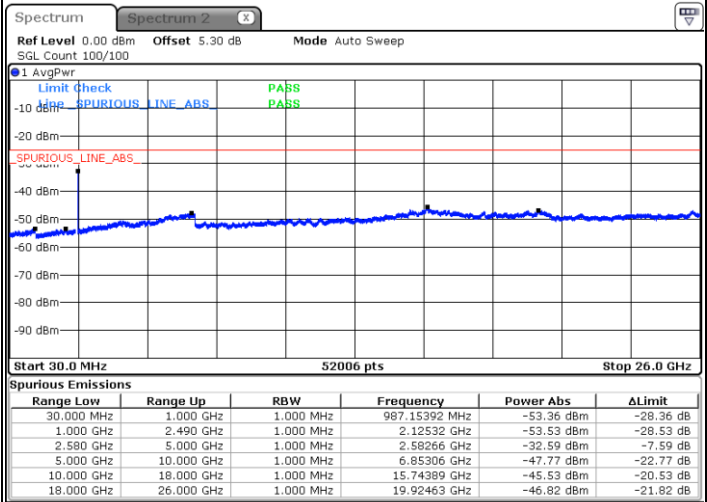
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 9 JAN 2007 21:52:30

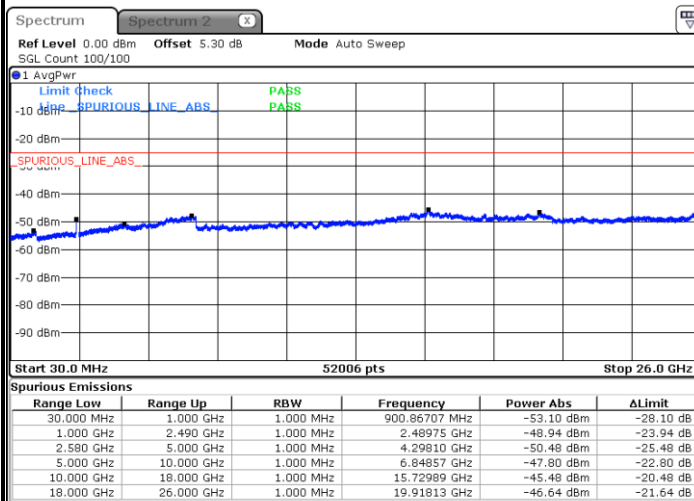
Highest Channel / 16QAM



Date: 9 JAN 2007 21:53:24

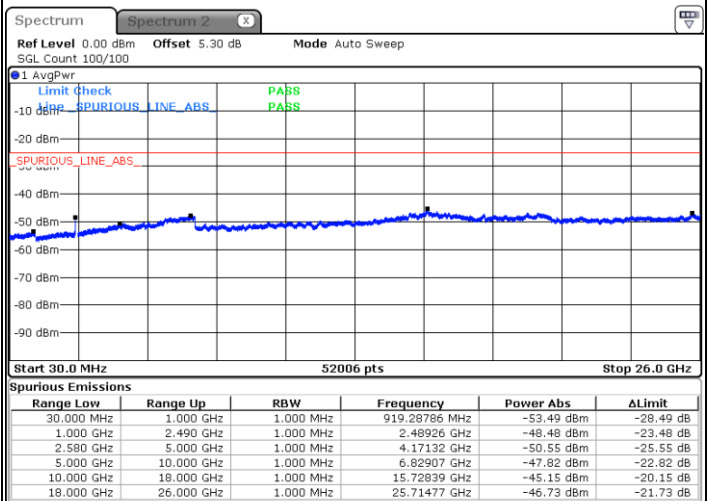
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 9 JAN 2007 22:05:22

Lowest Channel / 16QAM

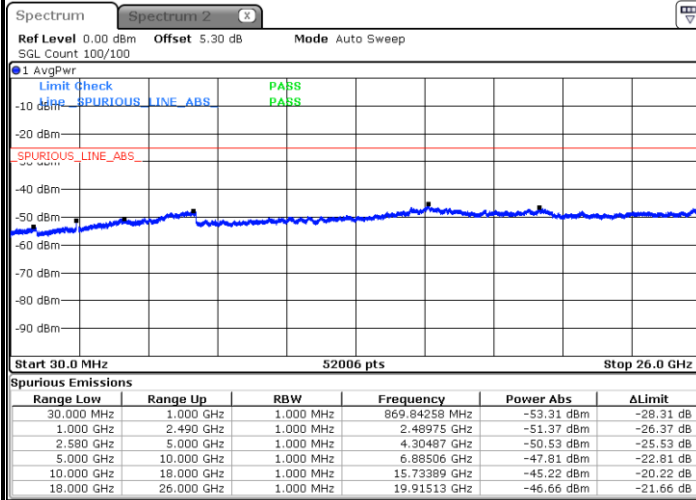


Date: 9 JAN 2007 22:06:16



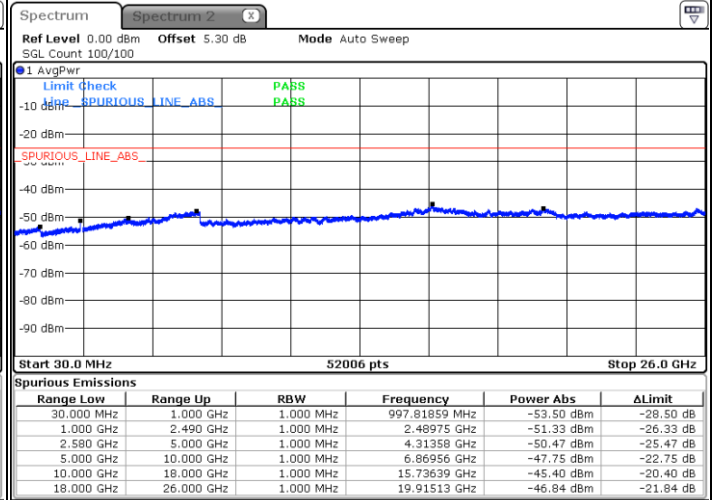
LTE Band 7 / 20MHz

Middle Channel / QPSK



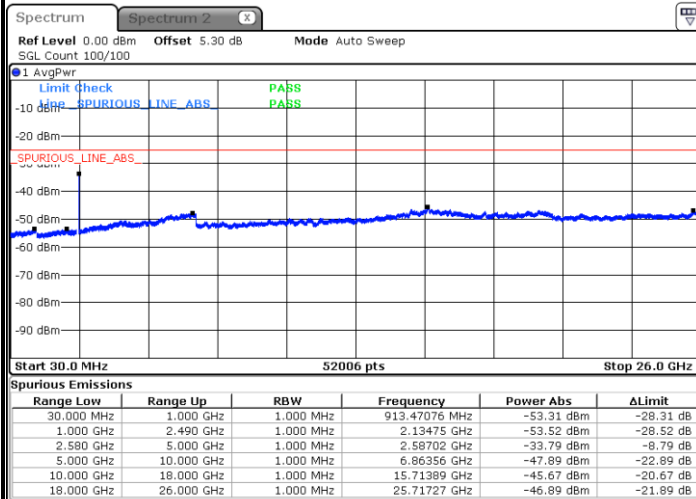
Date: 9 JAN 2007 22:08:04

Middle Channel / 16QAM



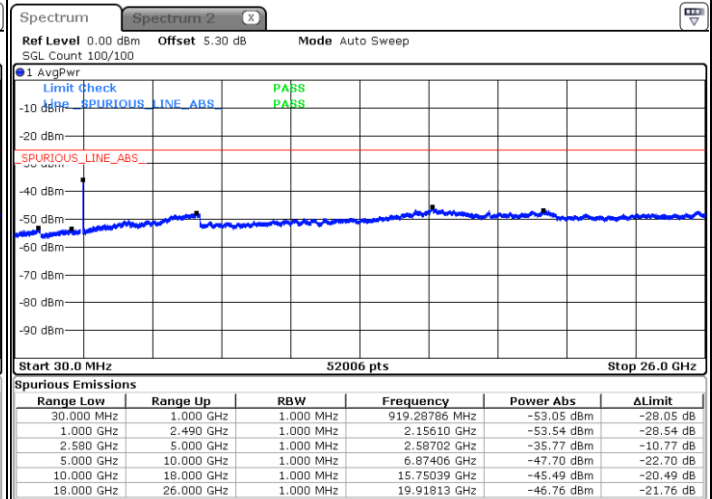
Date: 9 JAN 2007 22:07:10

Highest Channel / QPSK



Date: 9 JAN 2007 22:08:58

Highest Channel / 16QAM

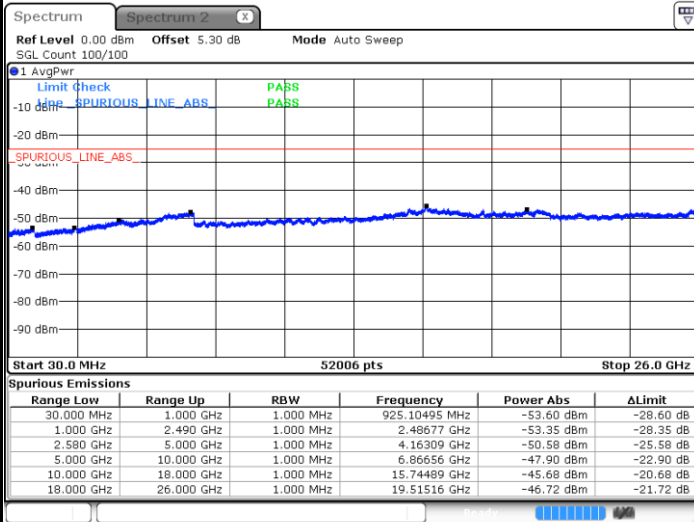


Date: 9 JAN 2007 22:09:51



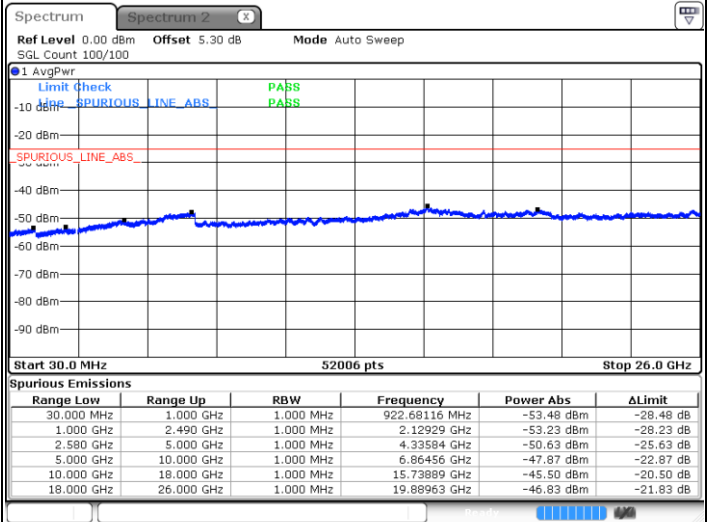
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



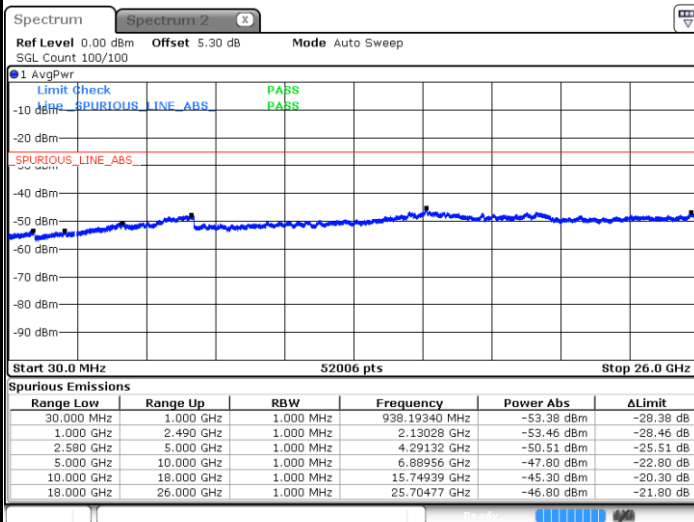
Date: 9 JAN 2007 22:11:46

Middle Channel / 64QAM



Date: 9 JAN 2007 22:12:40

Highest Channel / 64QAM

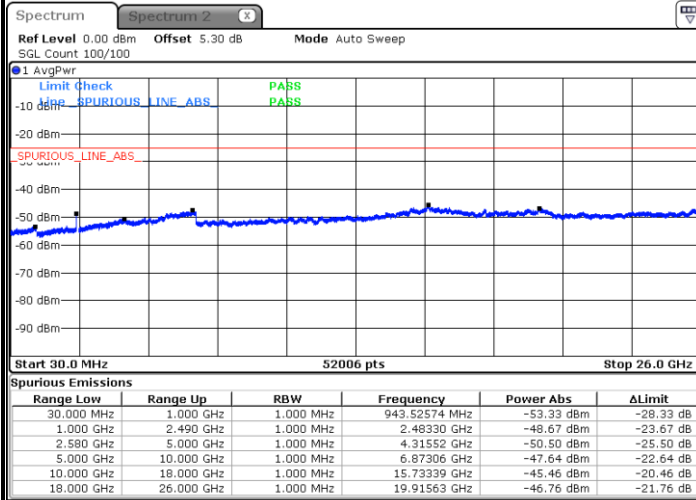


Date: 9 JAN 2007 22:13:33



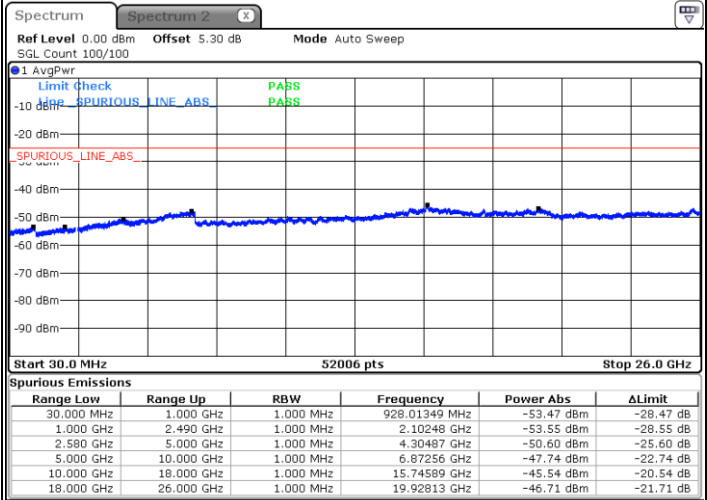
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



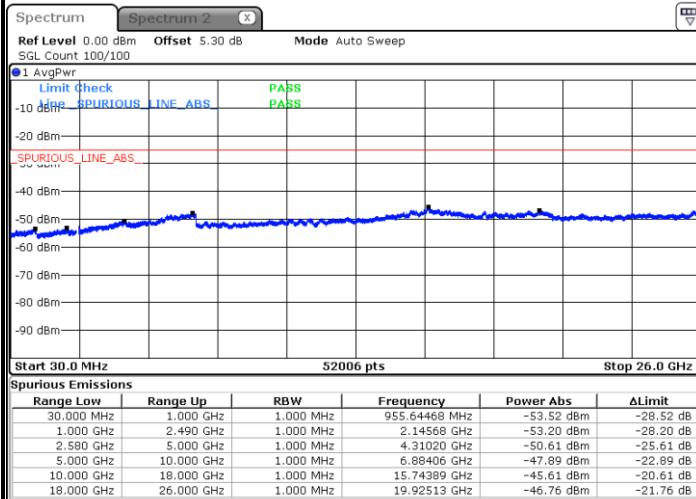
Date: 9 JAN 2007 22:20:00

Middle Channel / 64QAM



Date: 9 JAN 2007 22:20:54

Highest Channel / 64QAM

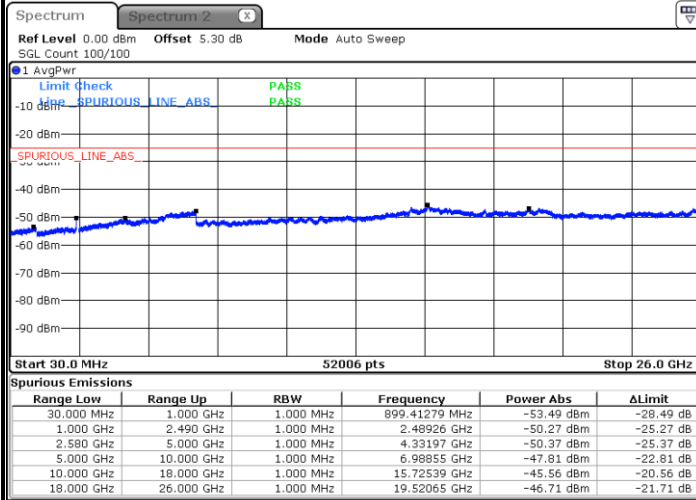


Date: 9 JAN 2007 22:21:48



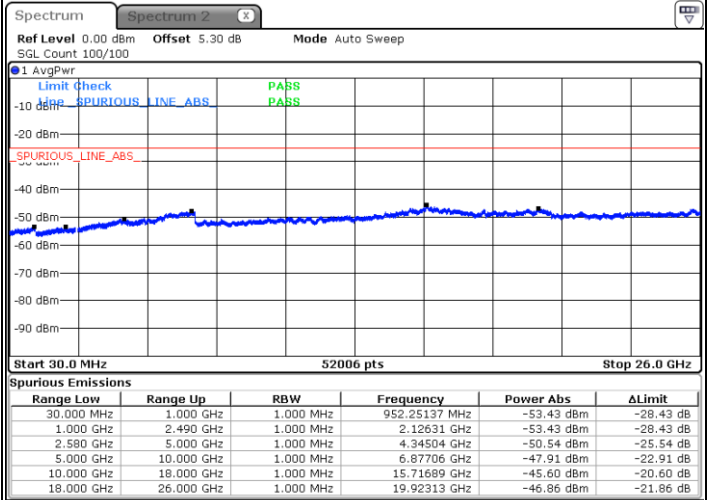
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



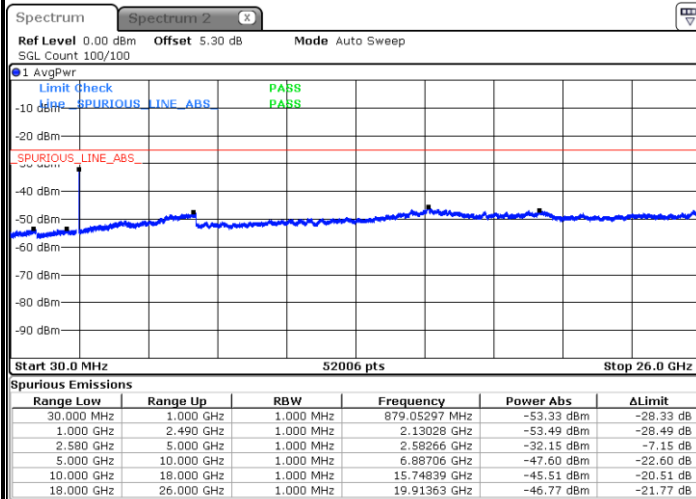
Date: 9 JAN 2007 22:32:46

Middle Channel / 64QAM



Date: 9 JAN 2007 22:33:40

Highest Channel / 64QAM

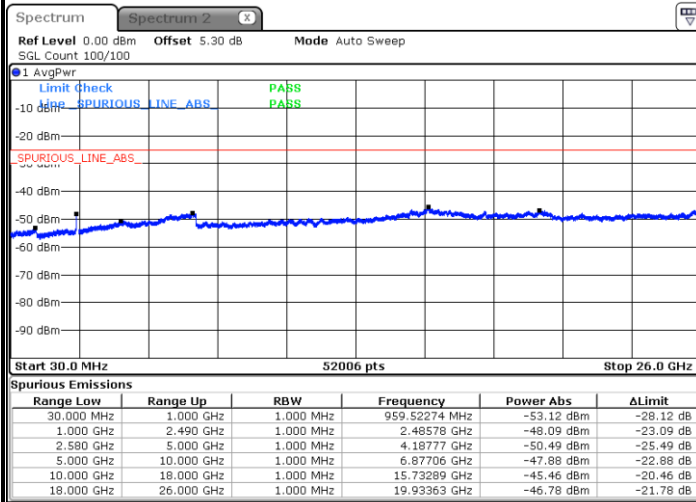


Date: 9 JAN 2007 22:34:34



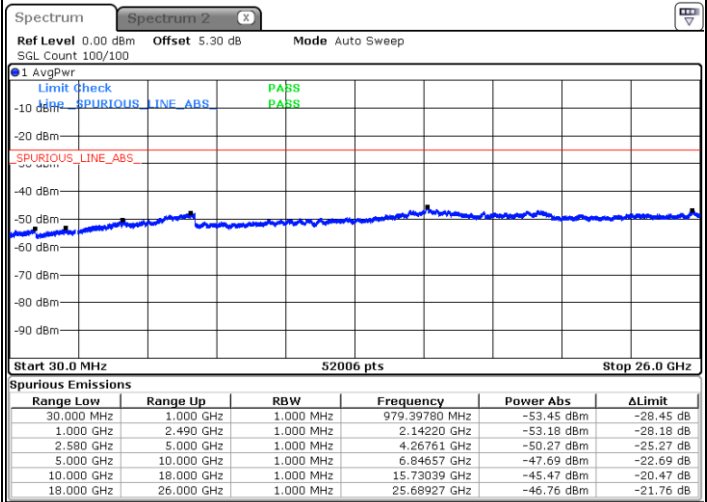
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



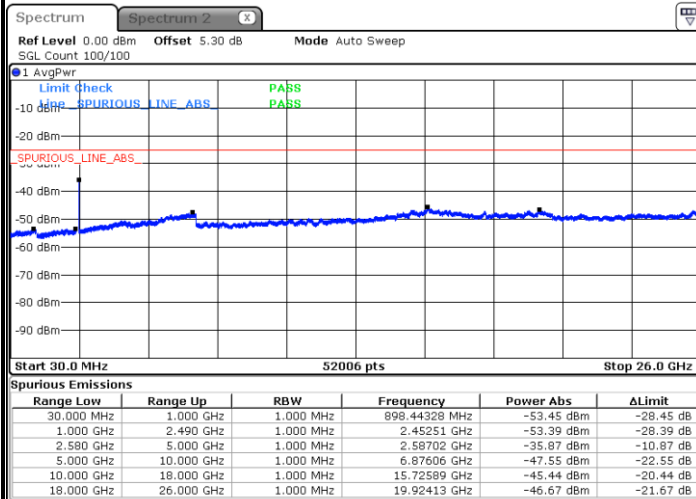
Date: 9 JAN 2007 22:41:01

Middle Channel / 64QAM



Date: 9 JAN 2007 22:41:55

Highest Channel / 64QAM



Date: 9 JAN 2007 22:42:48

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0040	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

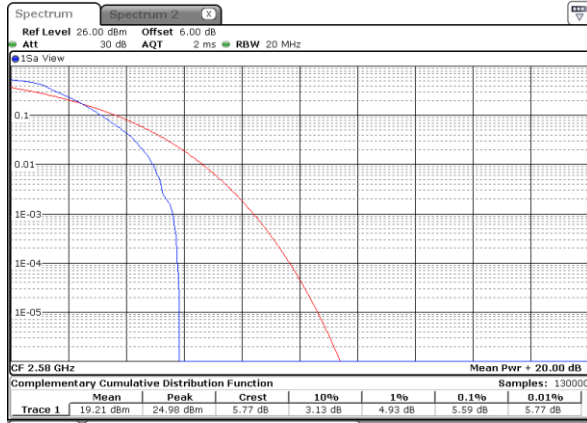
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.59	5.19	5.19	6.06	PASS
Middle CH	6.03	5.94	5.74	6.12	
Highest CH	5.25	5.19	5.51	6.09	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.46	6.29	PASS		
Middle CH	5.77	6.64			
Highest CH	6.67	6.35			



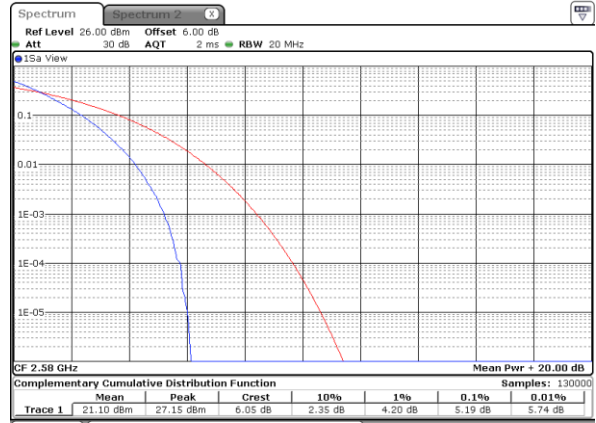
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



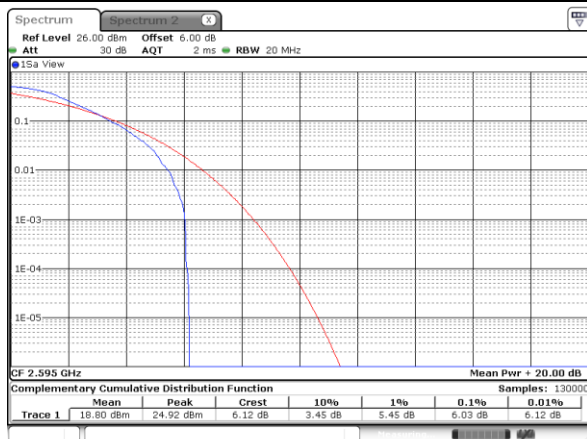
Date: 28 FEB 2020 00:50:39

Lowest Channel / Full RB



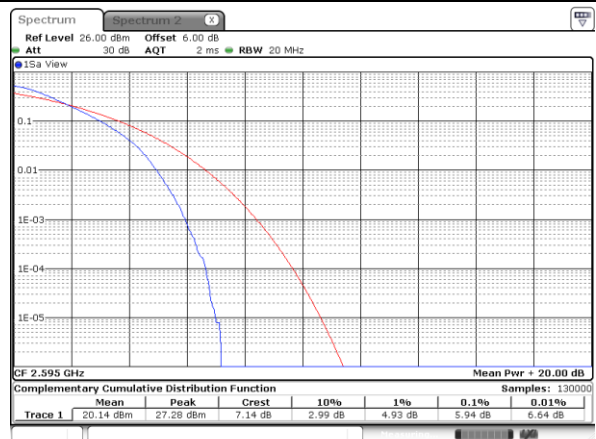
Date: 28 FEB 2020 00:50:50

Middle Channel / 1RB



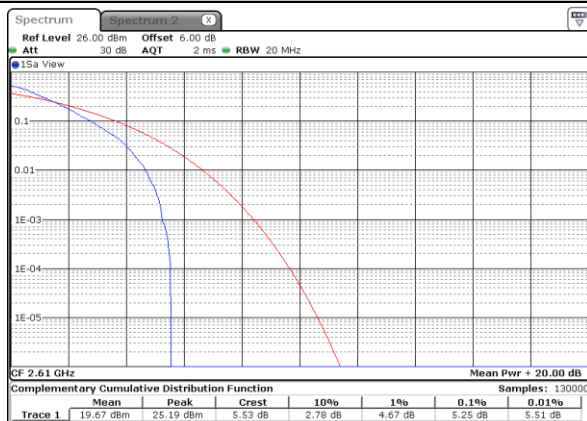
Date: 28 FEB 2020 00:51:15

Middle Channel / Full RB



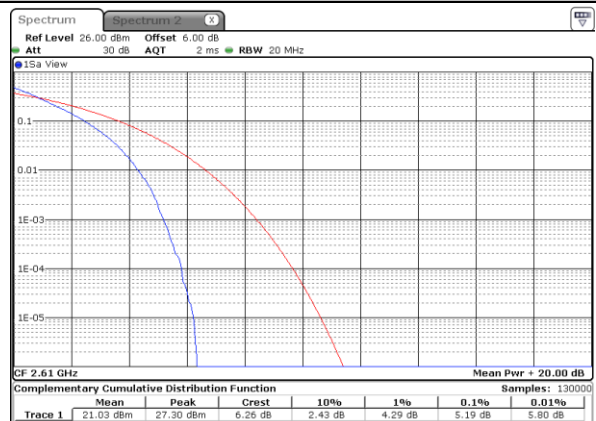
Date: 28 FEB 2020 00:51:31

Highest Channel / 1RB



Date: 28 FEB 2020 00:51:47

Highest Channel / Full RB

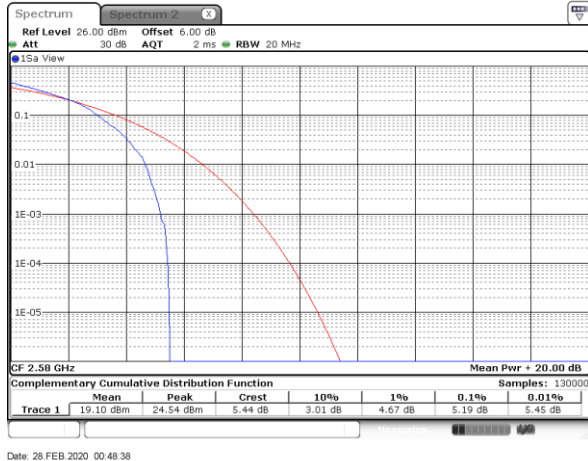


Date: 28 FEB 2020 00:51:58

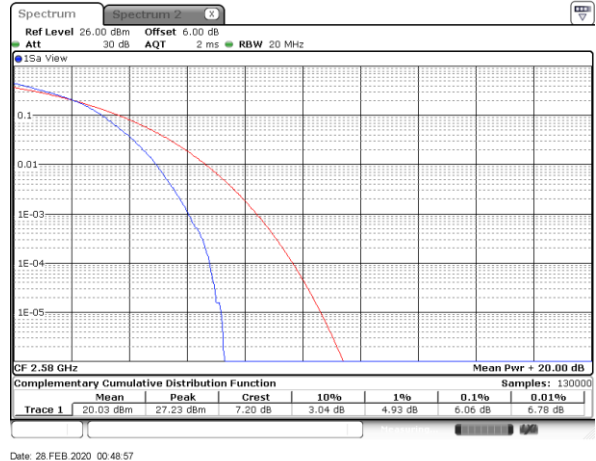


LTE Band 38 / 20MHz / 16QAM

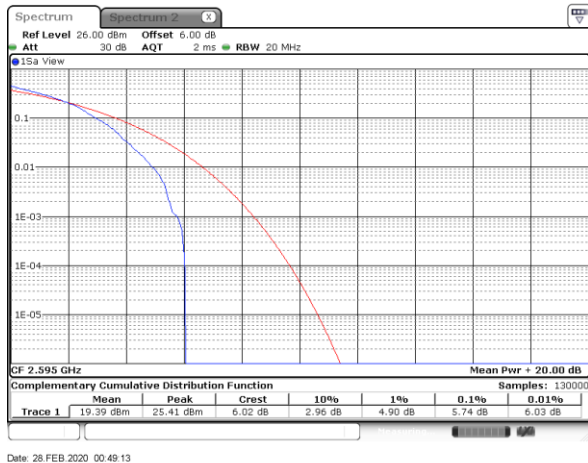
Lowest Channel / 1RB



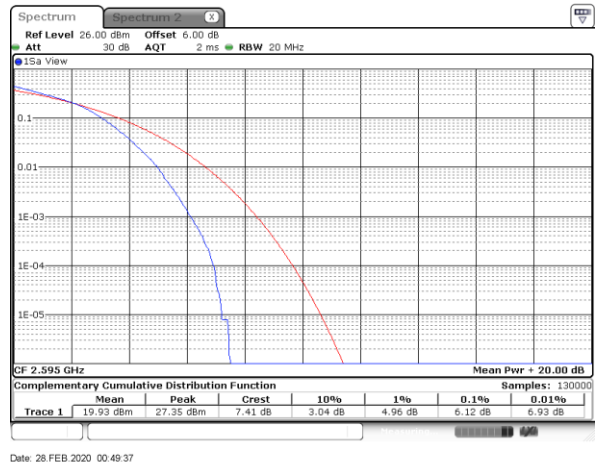
Lowest Channel / Full RB



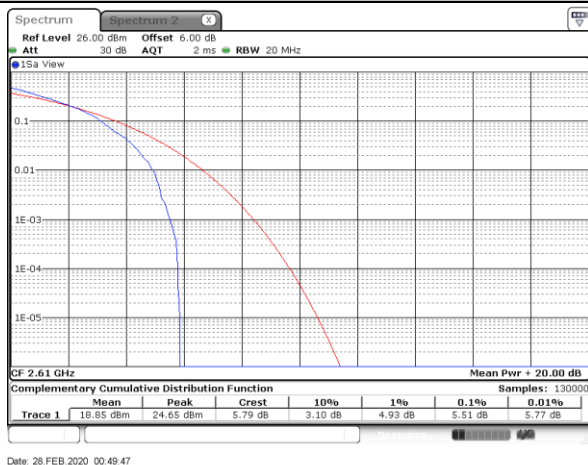
Middle Channel / 1RB



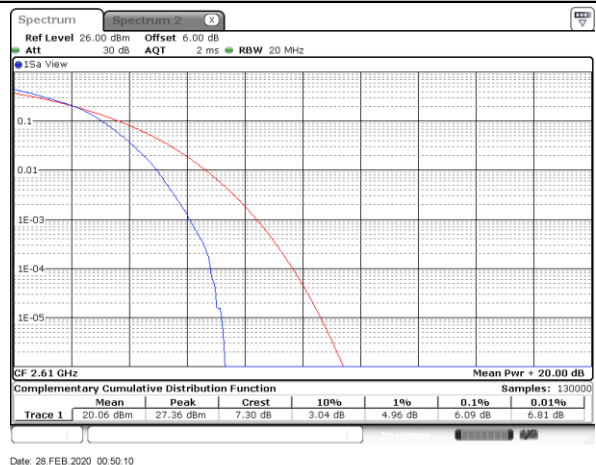
Middle Channel / Full RB



Highest Channel / 1RB



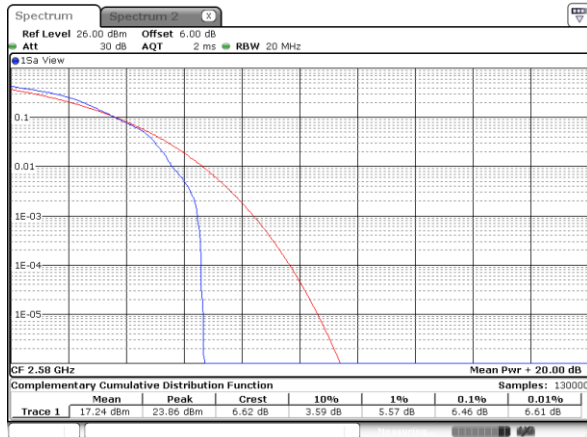
Highest Channel / Full RB



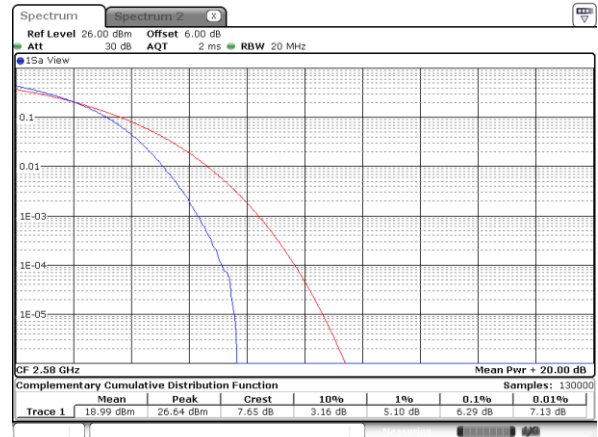


LTE Band 38 / 20MHz / 64QAM

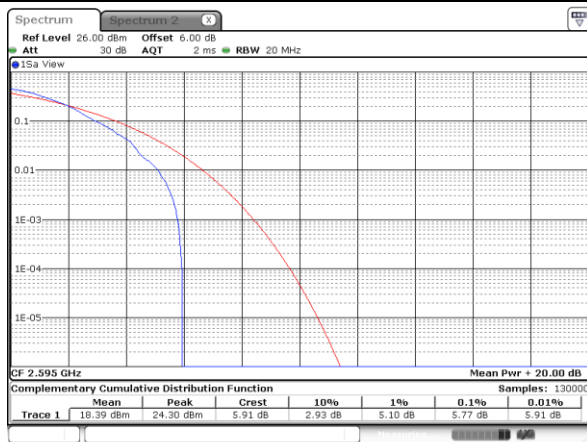
Lowest Channel / 1RB



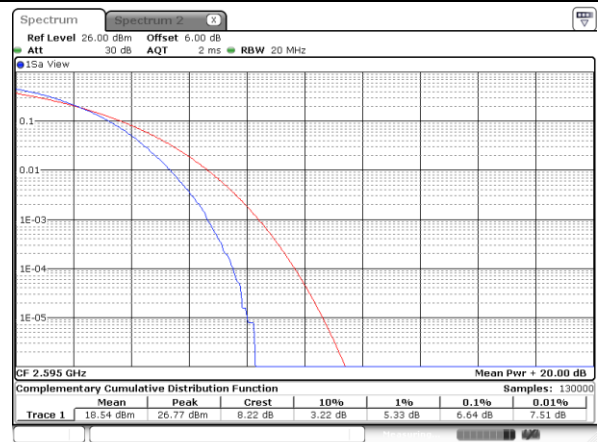
Lowest Channel / Full RB



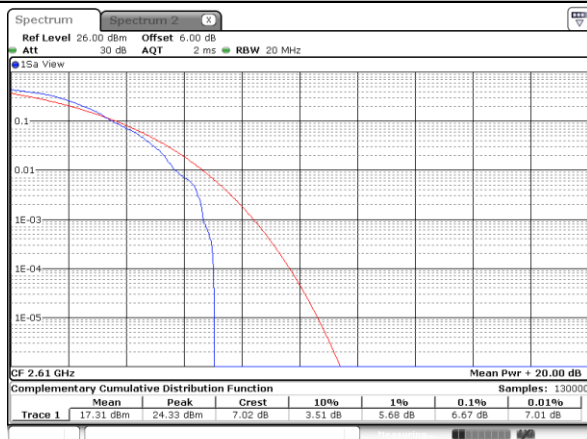
Middle Channel / 1RB



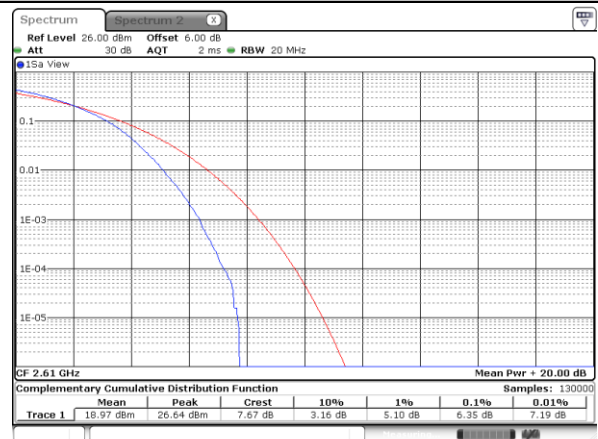
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



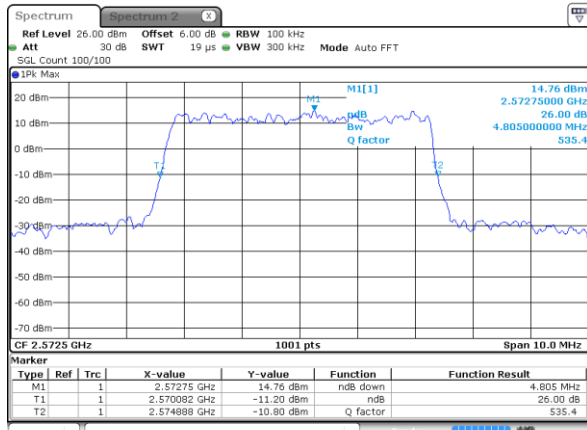
**26dB Bandwidth**

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.81	4.86	9.69	9.73	14.51	14.21	20.1	20.22
Middle CH	-	-	-	-	4.89	4.88	9.69	9.75	14.36	14.33	20.14	20.14
Highest CH	-	-	-	-	4.86	4.97	9.69	9.71	14.33	14.24	20.14	20.06
Mode	LTE Band 38 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.76		9.81		14.36		20.06	
Middle CH	-	-	-	-	4.86		9.63		14.33		20.14	
Highest CH	-	-	-	-	4.84		9.69		14.15		20.14	



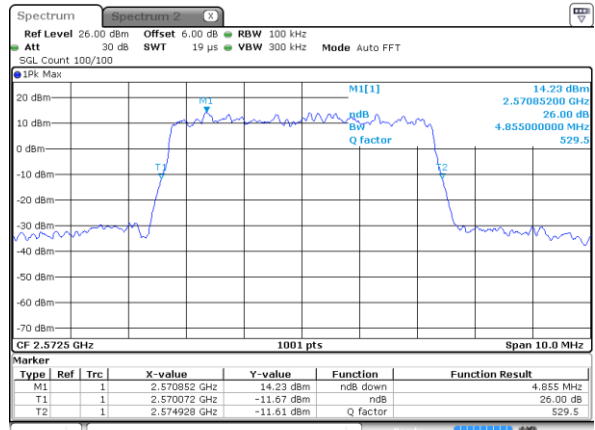
LTE Band 38

Lowest Channel / 5MHz / QPSK



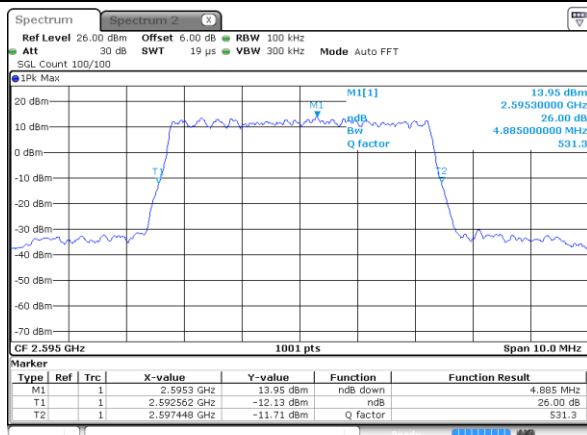
Date: 28 FEB 2020 00:08:19

Lowest Channel / 5MHz / 16QAM



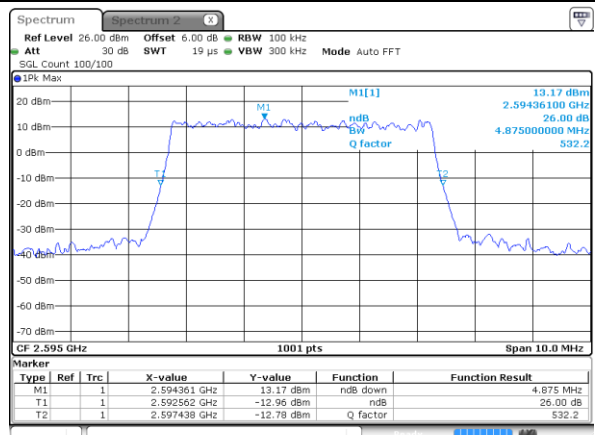
Date: 28 FEB 2020 00:08:29

Middle Channel / 5MHz / QPSK



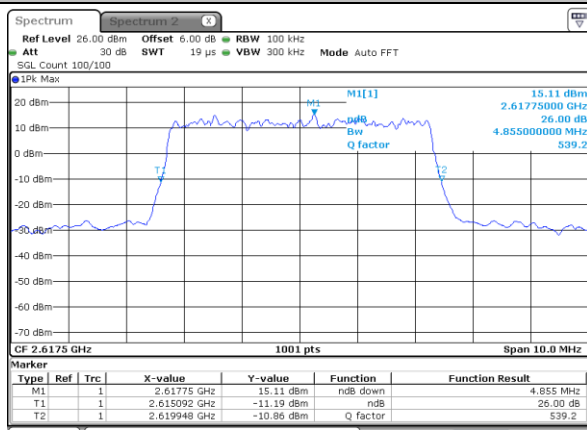
Date: 28 FEB 2020 00:08:59

Middle Channel / 5MHz / 16QAM



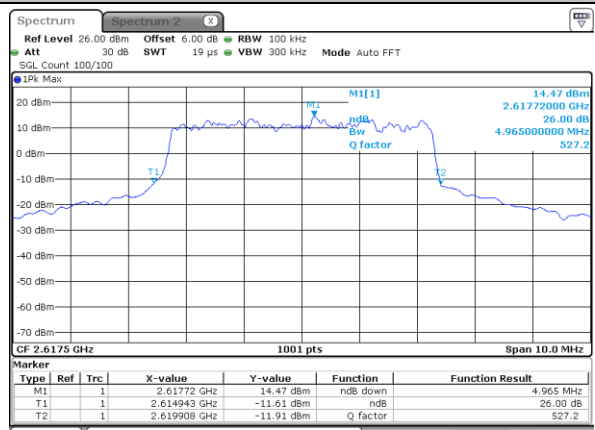
Date: 28 FEB 2020 00:09:09

Highest Channel / 5MHz / QPSK



Date: 28 FEB 2020 00:09:39

Highest Channel / 5MHz / 16QAM

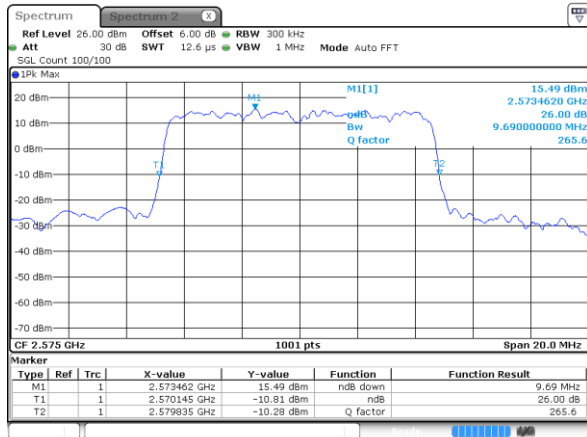


Date: 28 FEB 2020 00:09:49

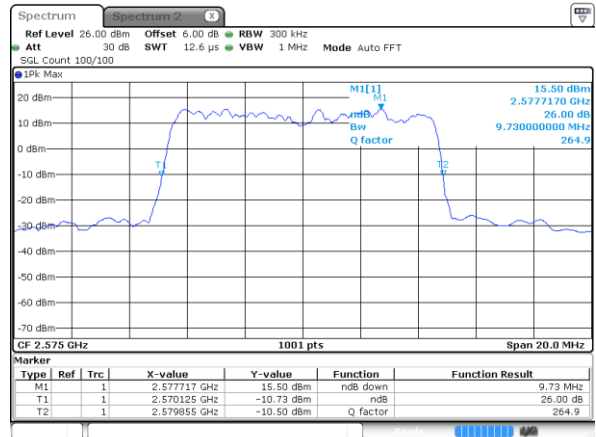


LTE Band 38

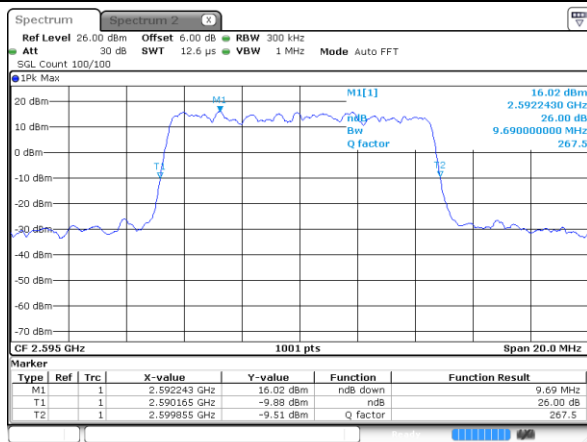
Lowest Channel / 10MHz / QPSK



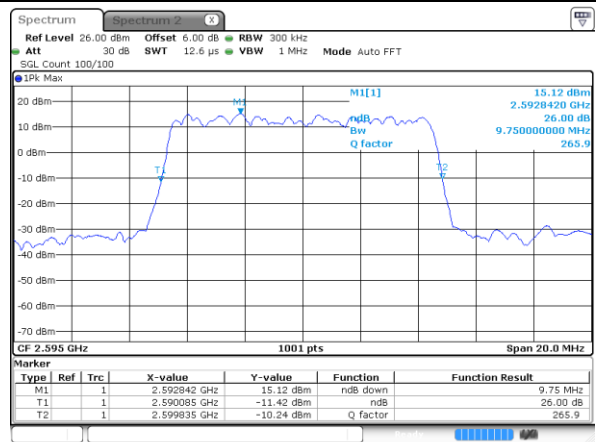
Lowest Channel / 10MHz / 16QAM



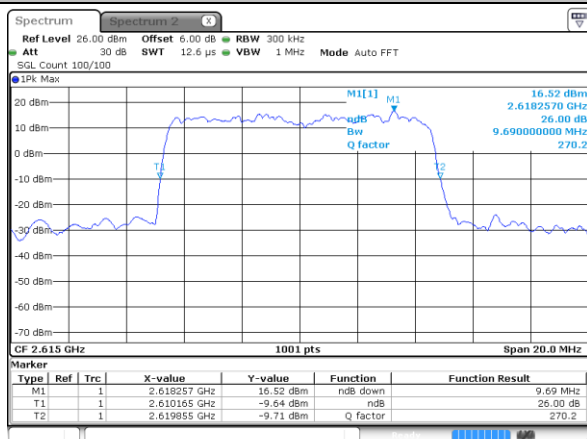
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

