

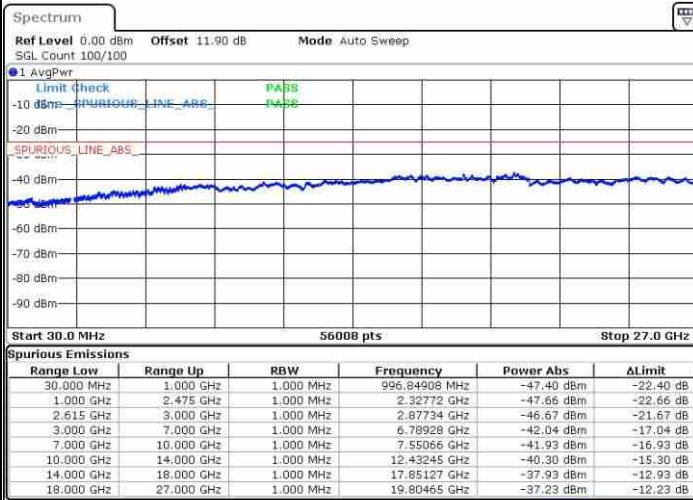


LTE Band 7 / 15MHz+15MHz

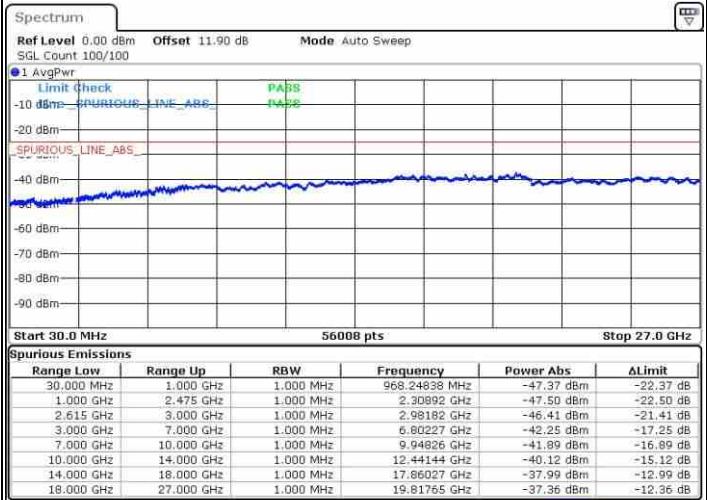
16QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



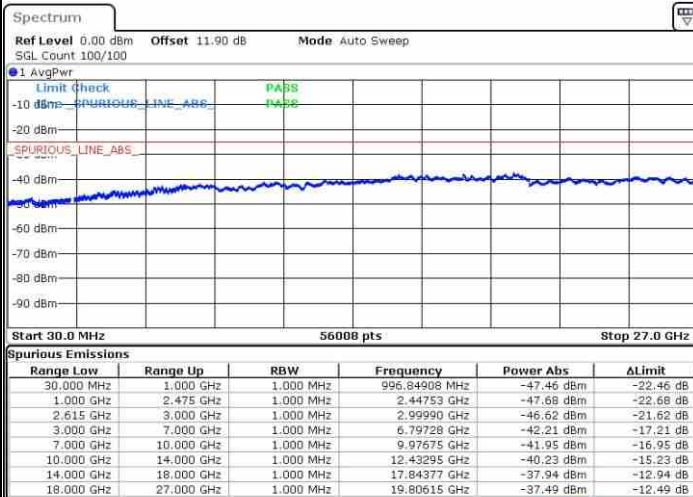
Date: 3.MAR.2019 17:15:08



Date: 3.MAR.2019 17:12:03

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:18:26

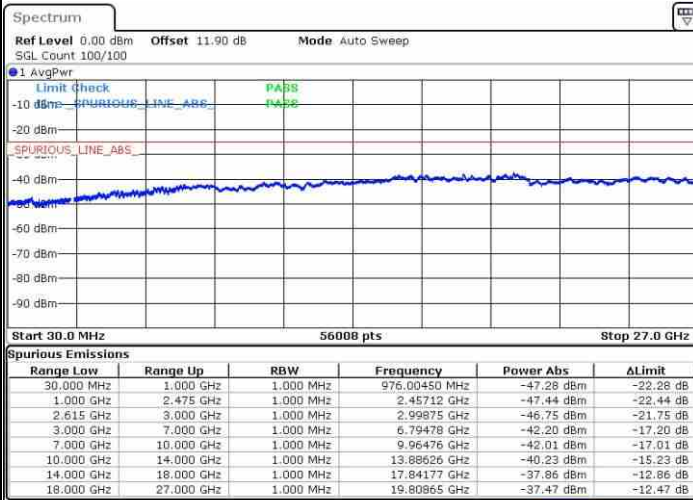


LTE Band 7 / 15MHz+15MHz

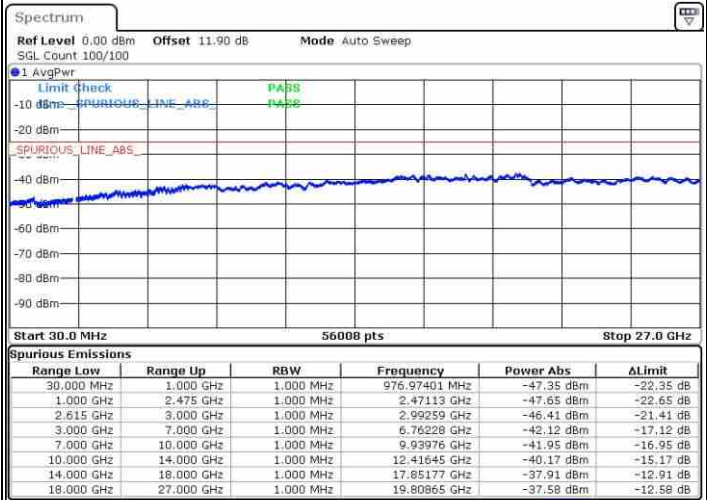
16QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



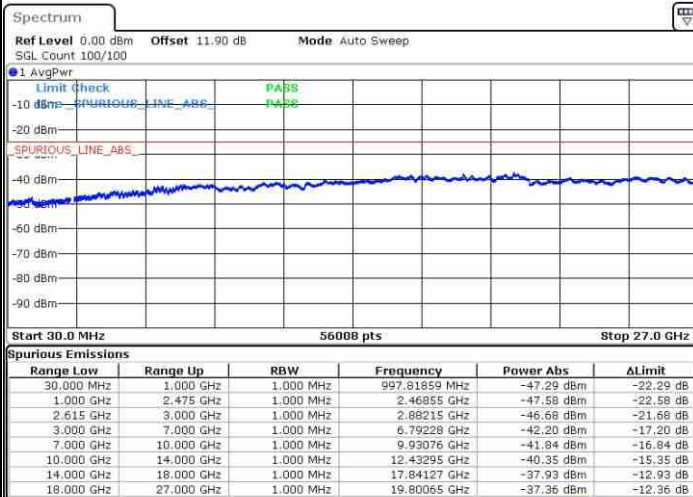
Date: 3.MAR.2019 17:24:16



Date: 3.MAR.2019 17:27:12

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 17:21:21

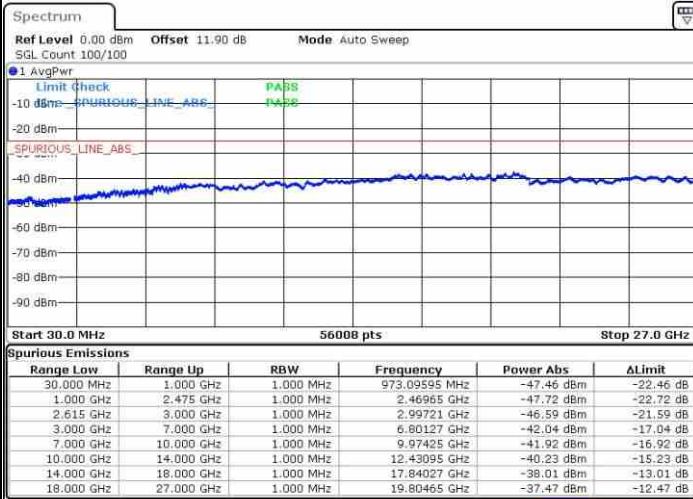


LTE Band 7 / 15MHz+15MHz

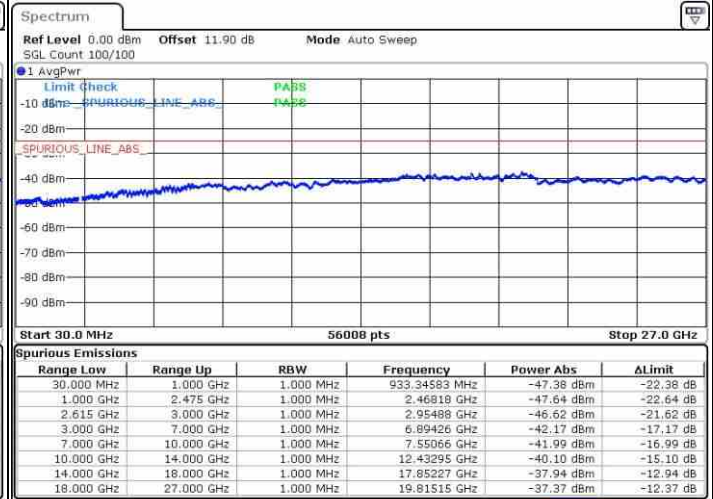
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



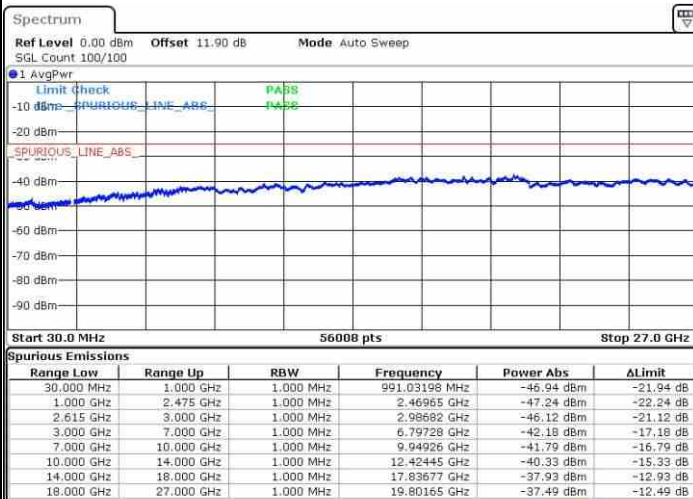
Date: 3.MAR.2019 17:33:02



Date: 3.MAR.2019 17:30:07

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:35:57

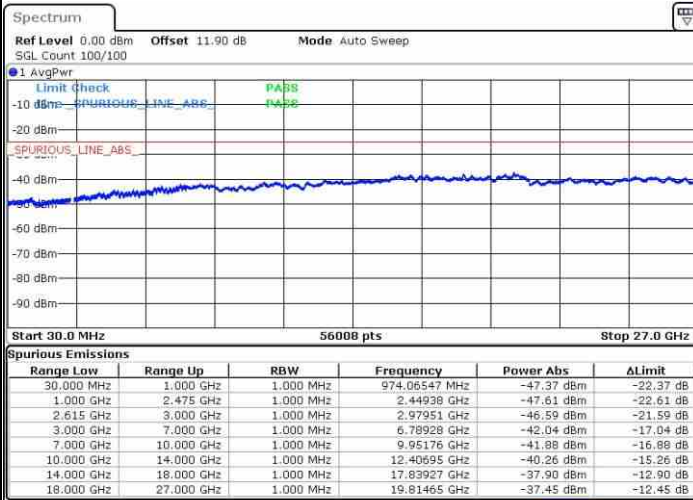


LTE Band 7 / 15MHz+20MHz

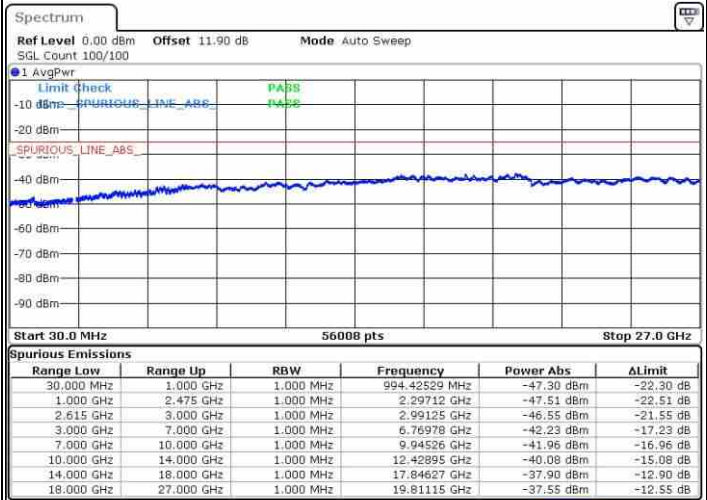
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



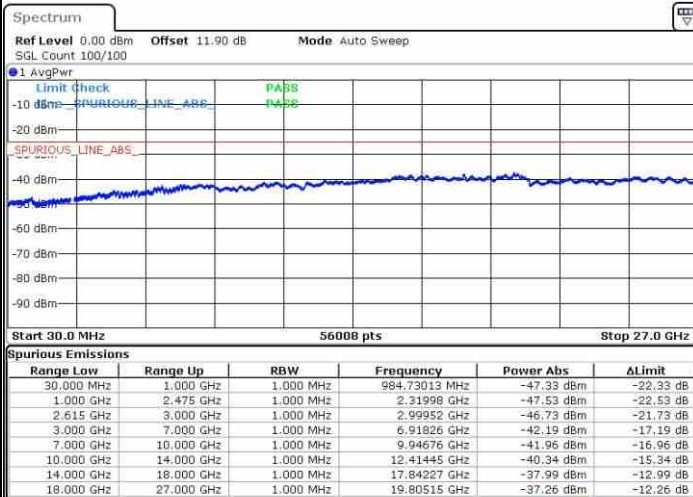
Date: 3.MAR.2019 17:41:47



Date: 3.MAR.2019 17:38:52

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:44:42

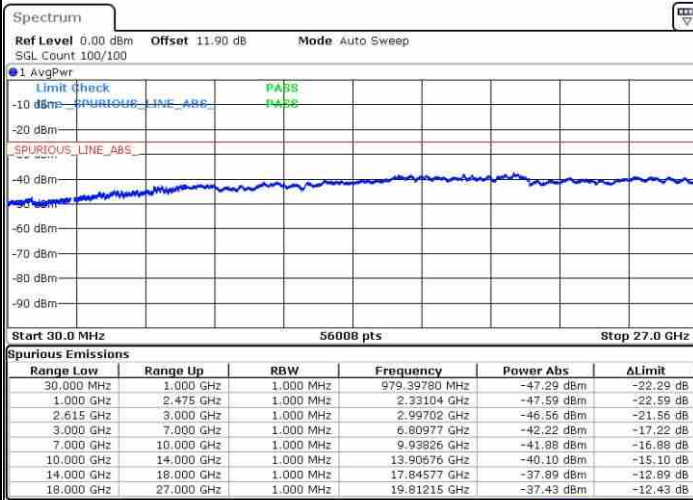


LTE Band 7 / 15MHz+20MHz

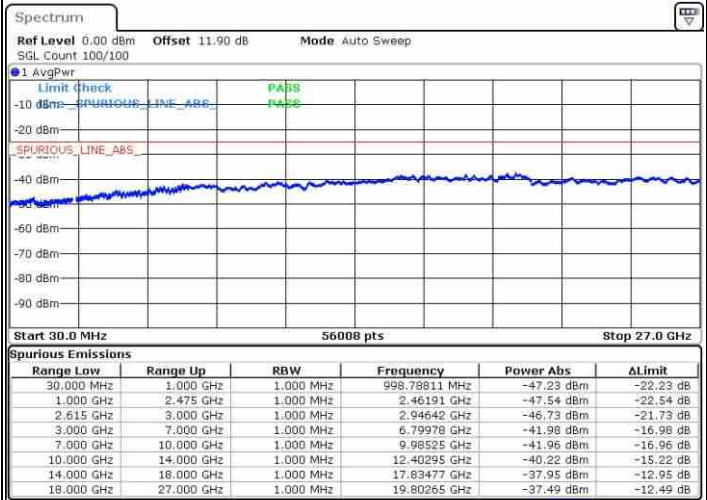
16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



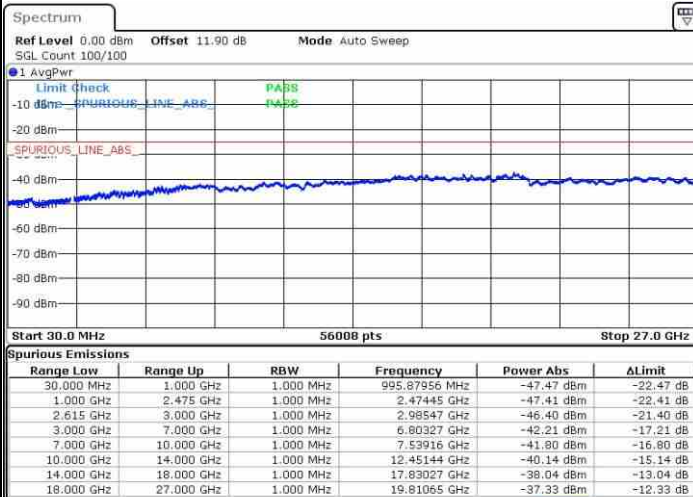
Date: 3.MAR.2019 17:50:32



Date: 3.MAR.2019 17:53:27

Middle Channel / FullRB

N/A



Date: 3.MAR.2019 17:47:37

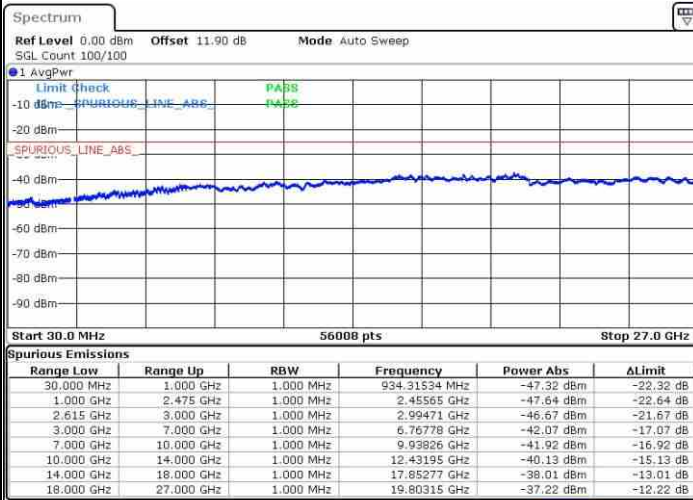


LTE Band 7 / 15MHz+20MHz

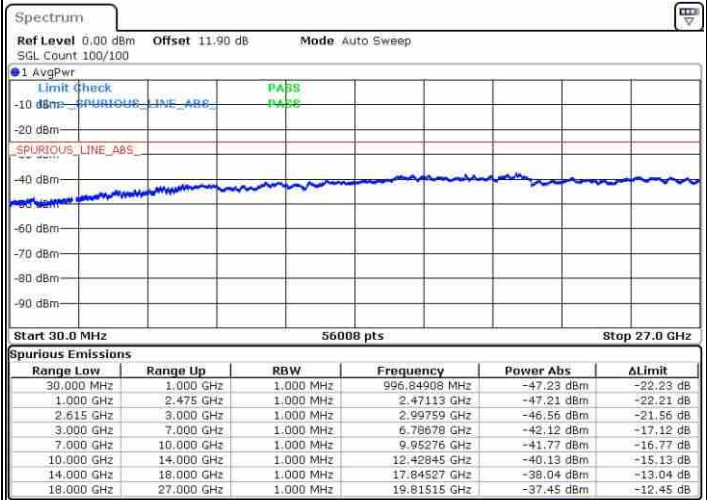
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



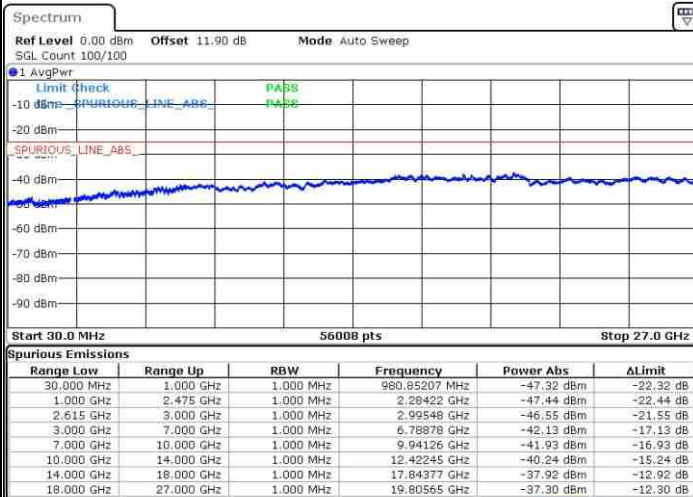
Date: 3.MAR.2019 17:59:17



Date: 3.MAR.2019 17:56:22

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:02:12

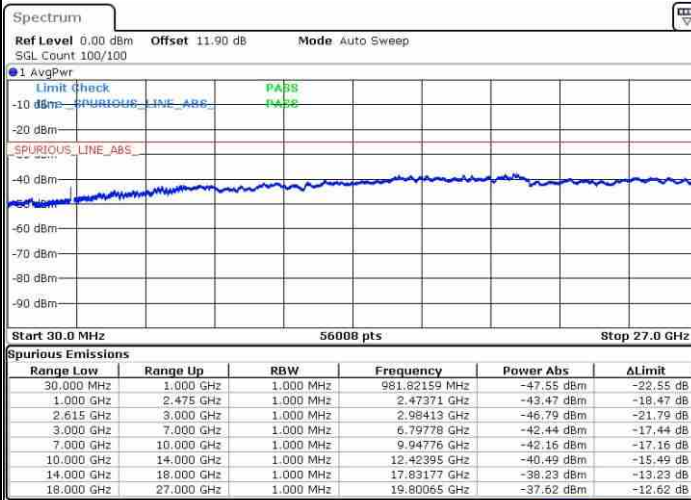


LTE Band 7 / 20MHz+10MHz

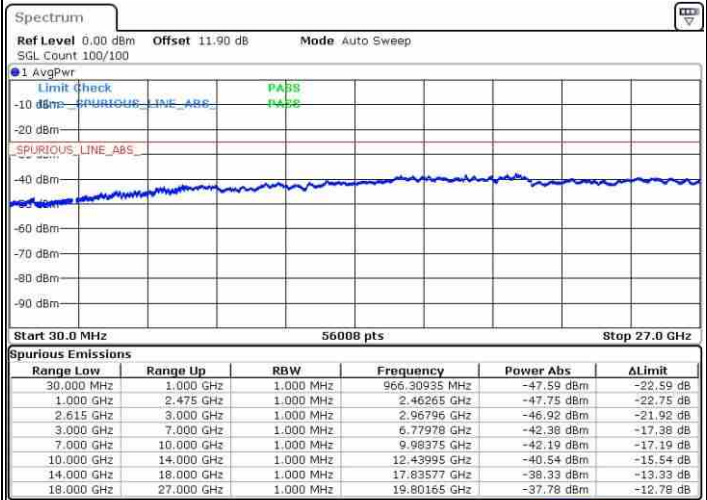
16QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



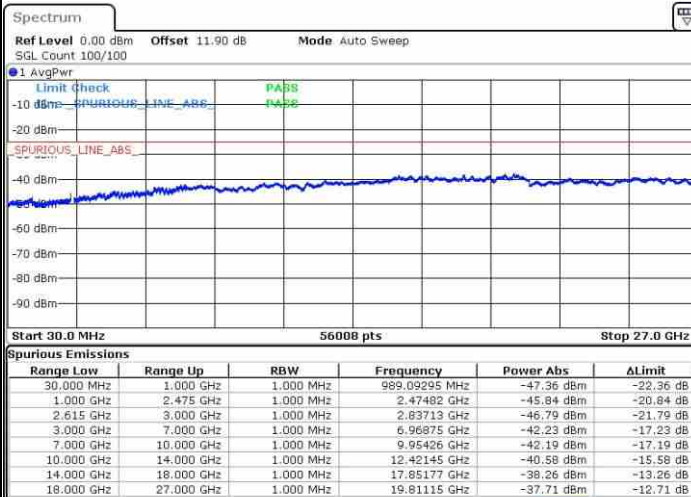
Date: 1.MAR.2019 12:07:45



Date: 1.MAR.2019 12:04:00

Lowest Channel / FullIRB

N/A



Date: 1.MAR.2019 12:11:28

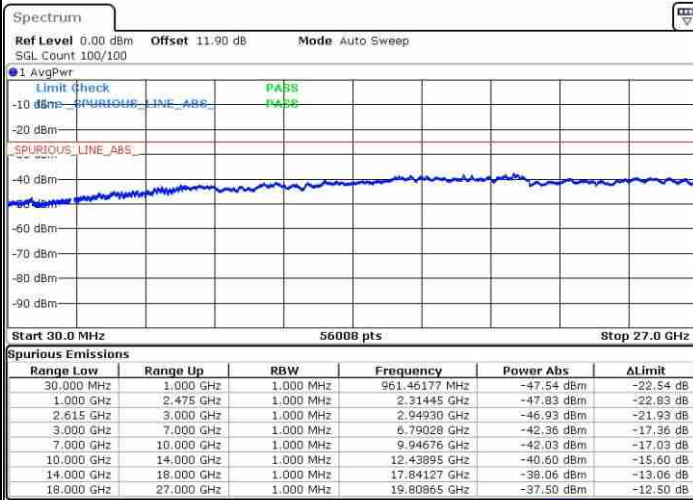


LTE Band 7 / 20MHz+10MHz

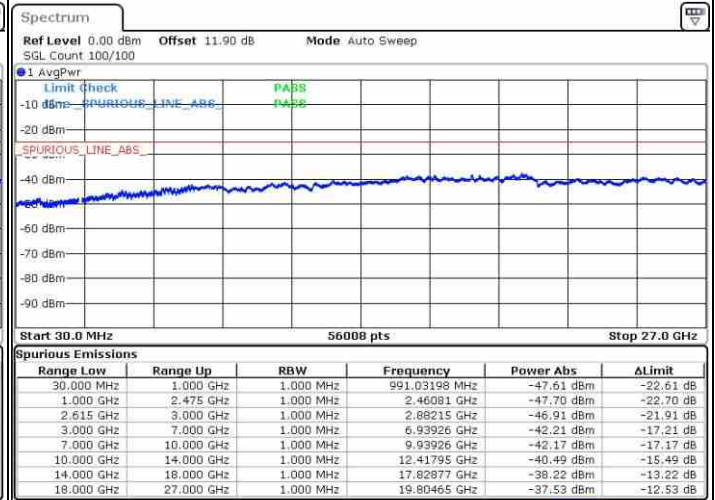
16QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



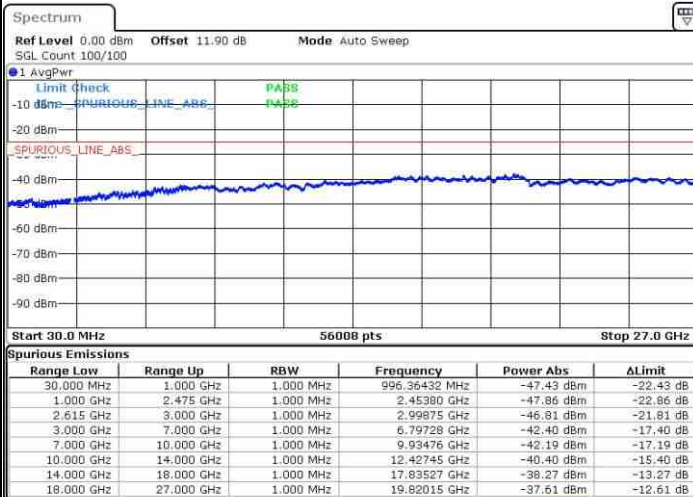
Date: 1.MAR.2019 14:12:35



Date: 1.MAR.2019 14:15:59

Middle Channel / FullRB

N/A



Date: 1.MAR.2019 14:06:07

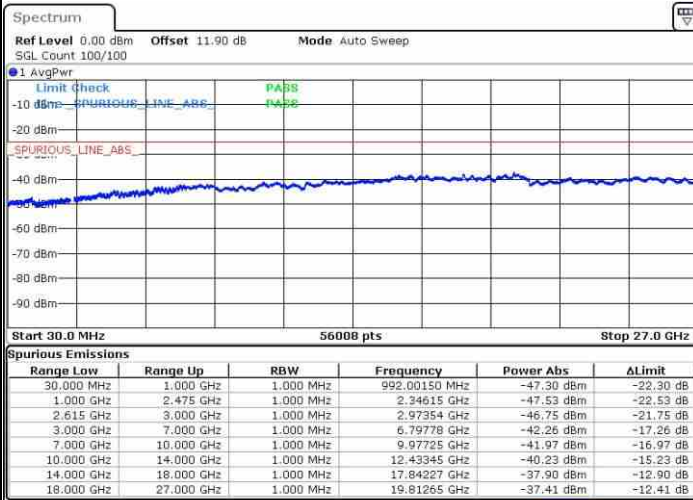


LTE Band 7 / 20MHz+10MHz

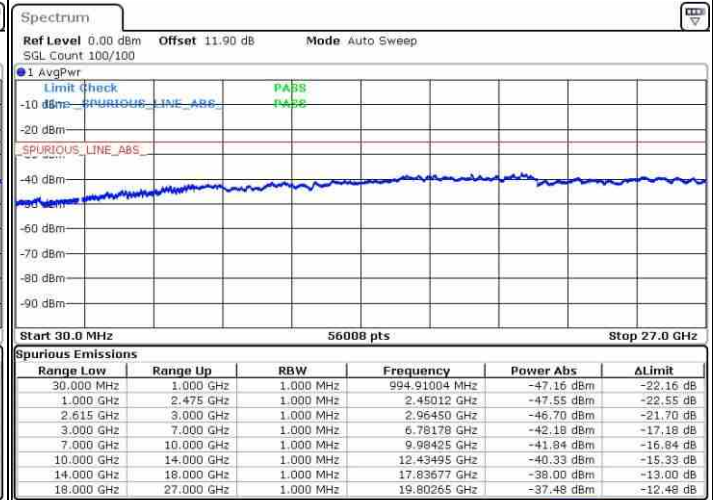
16QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



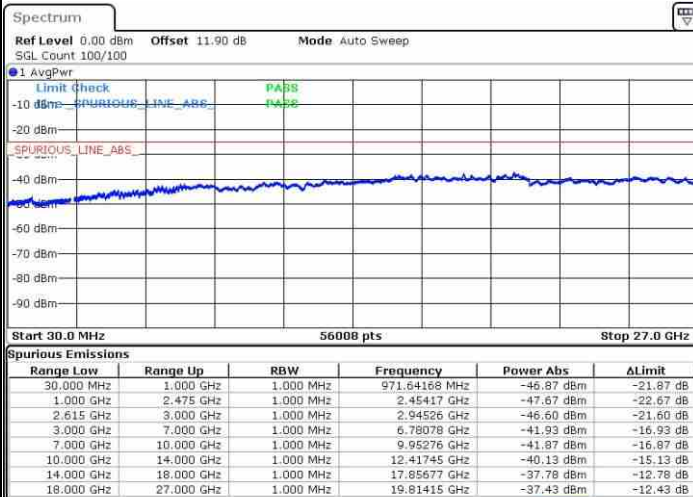
Date: 3.MAR.2019 17:06:13



Date: 3.MAR.2019 17:03:18

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:09:08

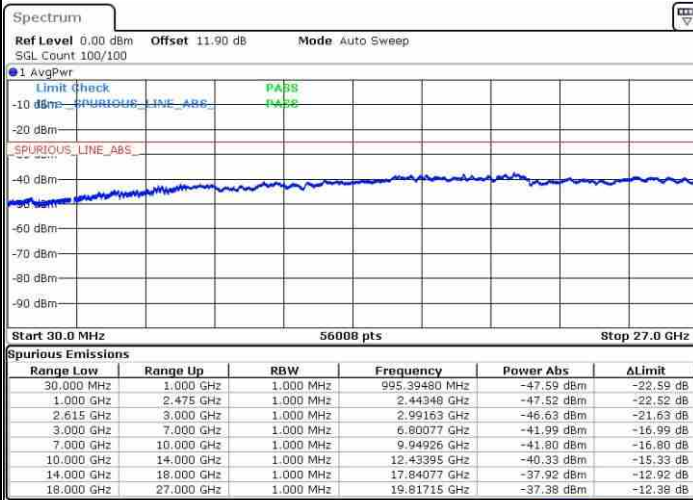


LTE Band 7 / 20MHz+15MHz

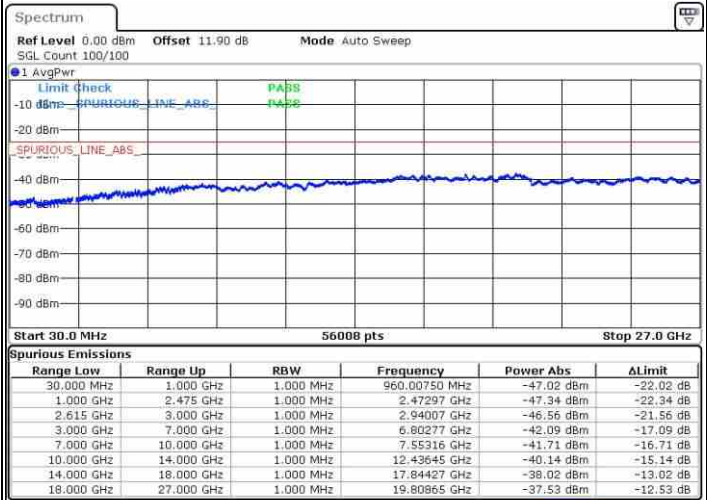
16QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



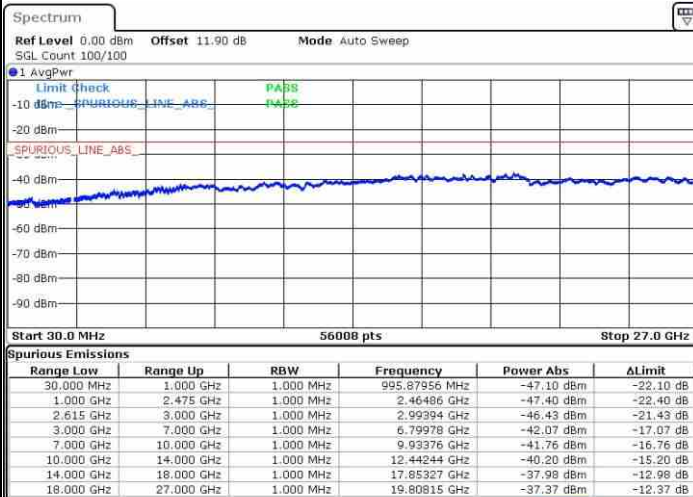
Date: 3.MAR.2019 18:08:03



Date: 3.MAR.2019 18:05:07

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:12:38

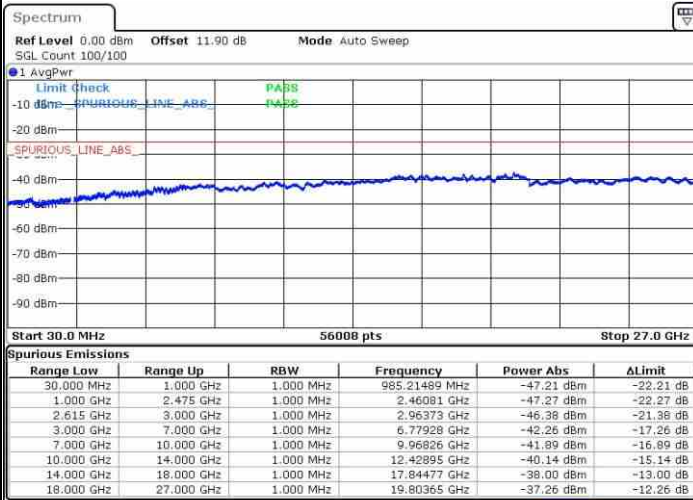


LTE Band 7 / 20MHz+15MHz

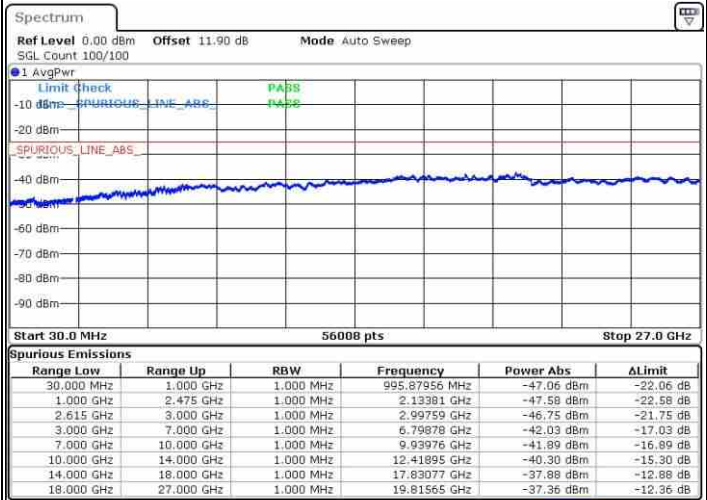
16QAM

MiddleChannel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



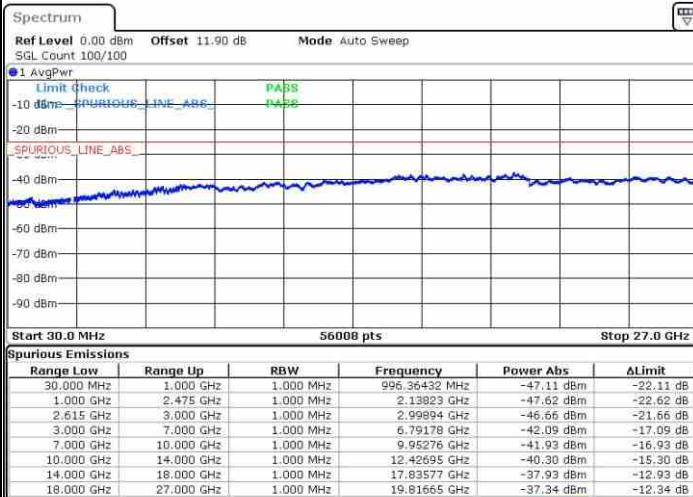
Date: 3.MAR.2019 18:18:28



Date: 3.MAR.2019 18:21:24

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 18:15:33

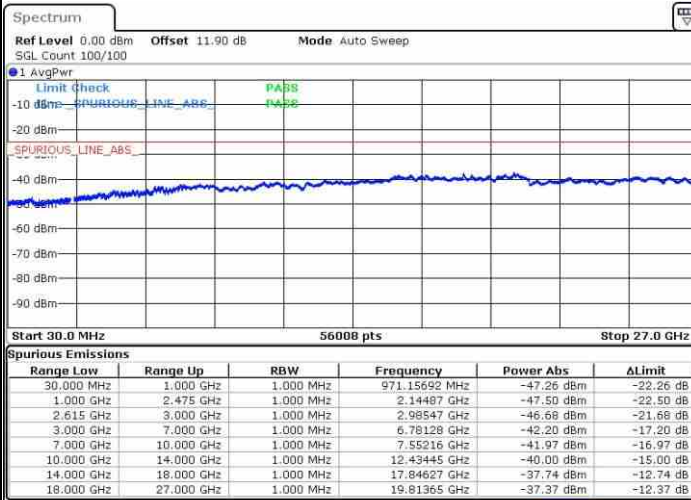


LTE Band 7 / 20MHz+15MHz

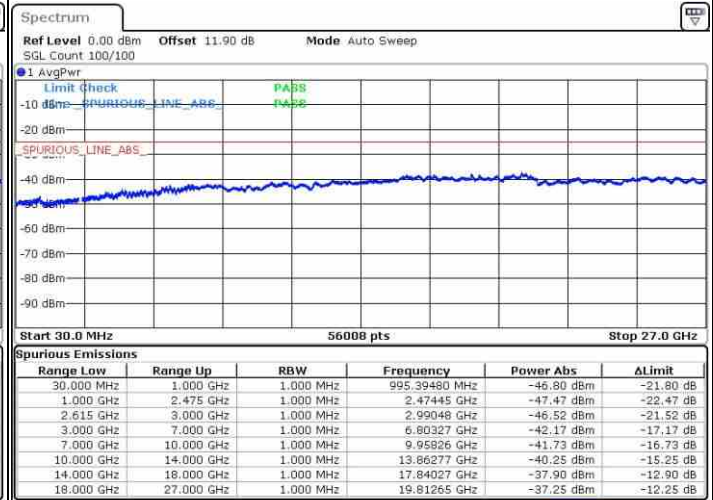
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



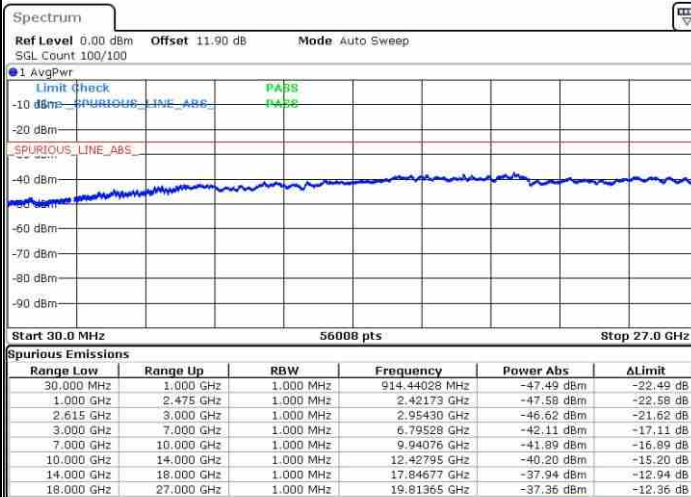
Date: 3.MAR.2019 18:27:14



Date: 3.MAR.2019 18:24:19

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:30:09

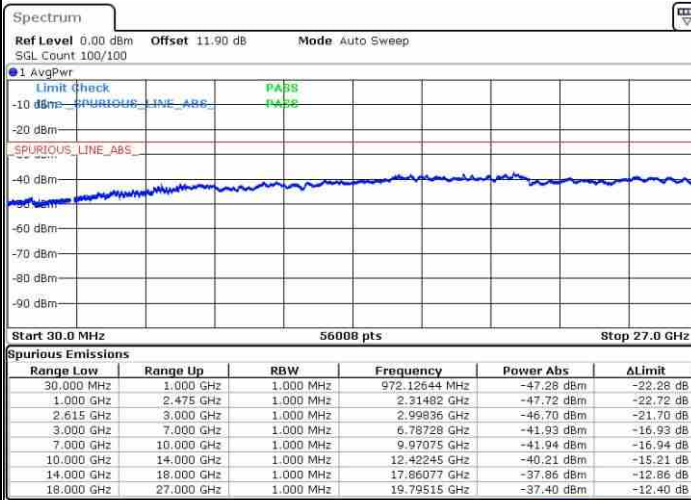


LTE Band 7 / 20MHz+20MHz

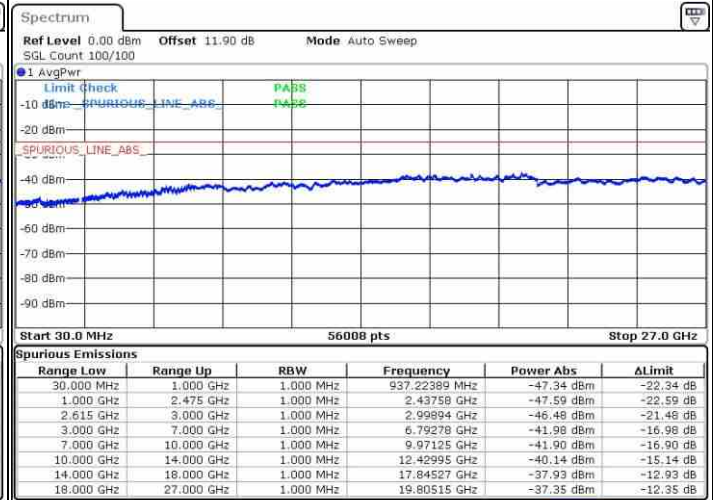
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



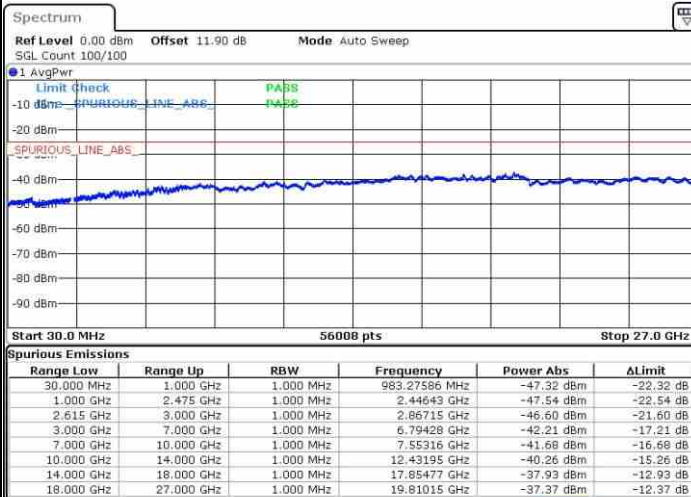
Date: 3.MAR.2019 18:35:59



Date: 3.MAR.2019 18:33:04

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:38:54

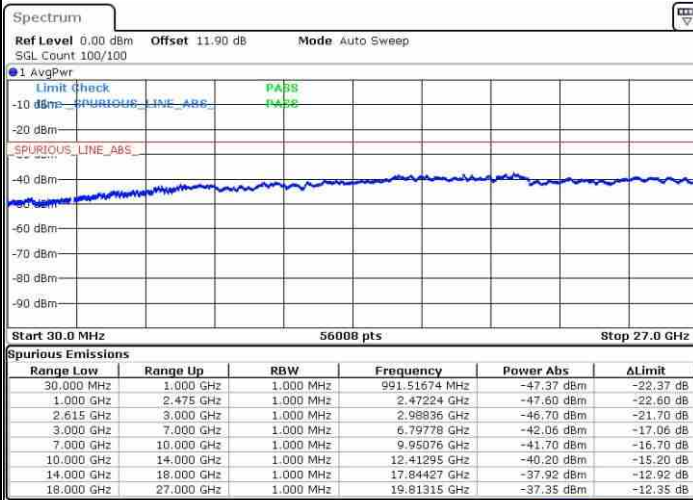


LTE Band 7 / 20MHz+20MHz

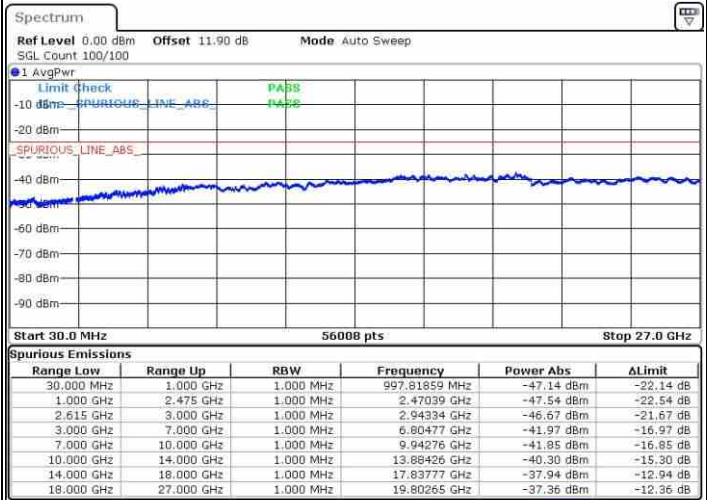
16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



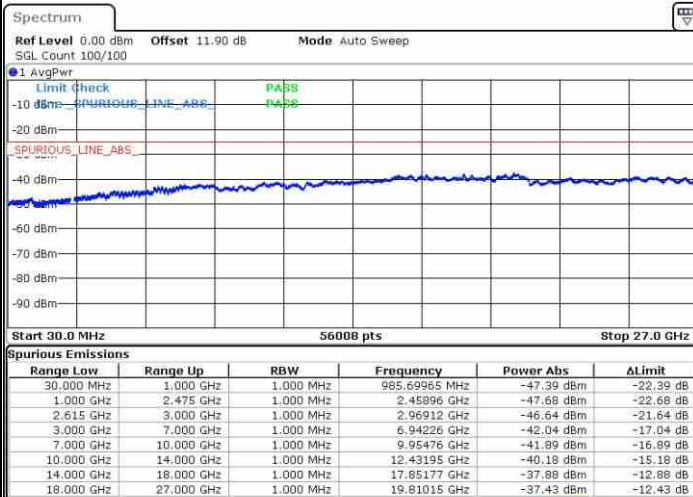
Date: 3.MAR.2019 18:44:44



Date: 3.MAR.2019 18:47:39

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 18:41:49

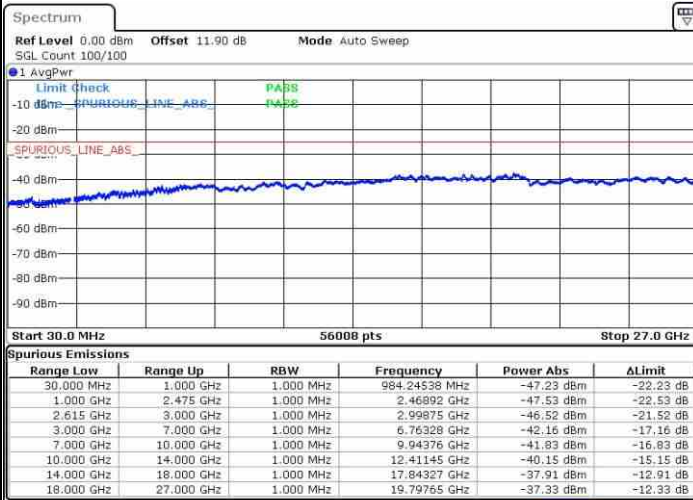


LTE Band 7 / 20MHz+20MHz

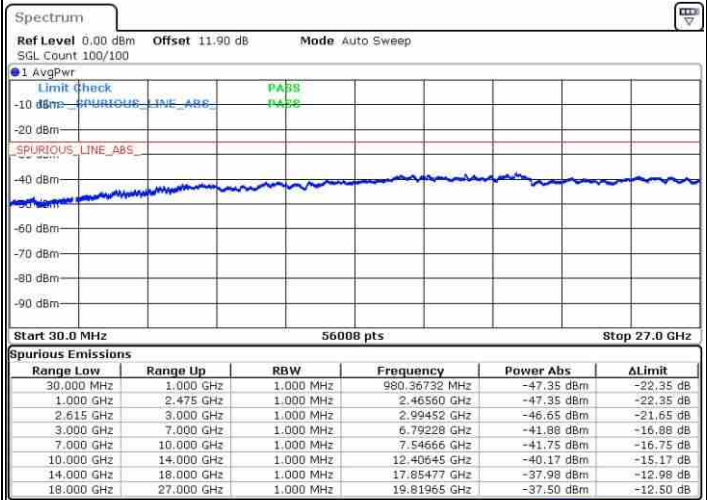
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



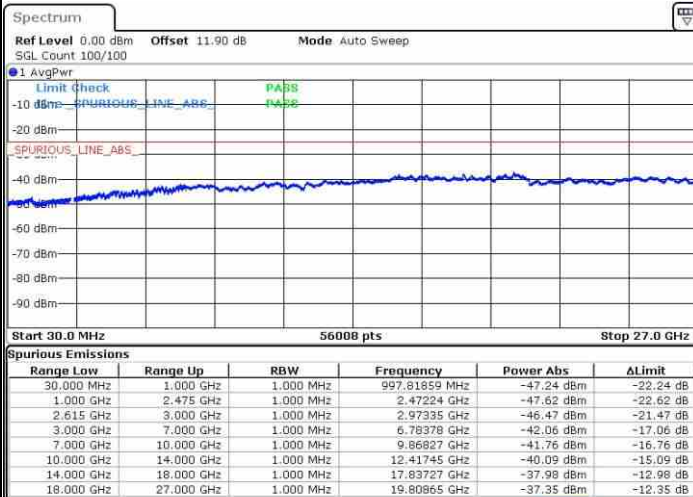
Date: 3.MAR.2019 18:53:29



Date: 3.MAR.2019 18:50:34

Highest Channel / FullRB

N/A



Date: 3.MAR.2019 18:56:42

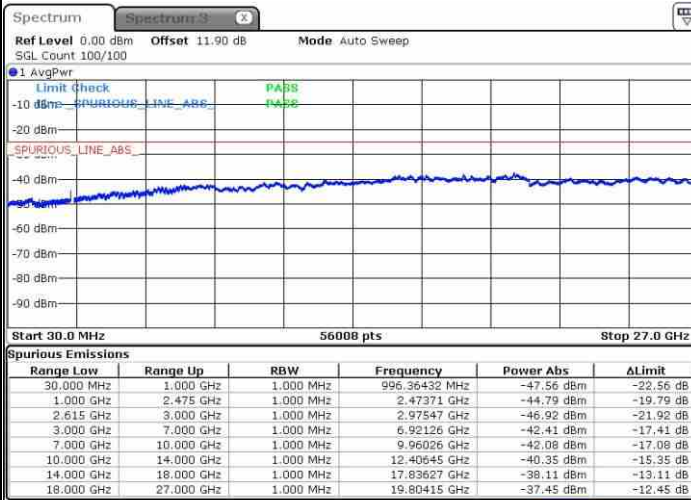


LTE Band 7 / 10MHz+20MHz

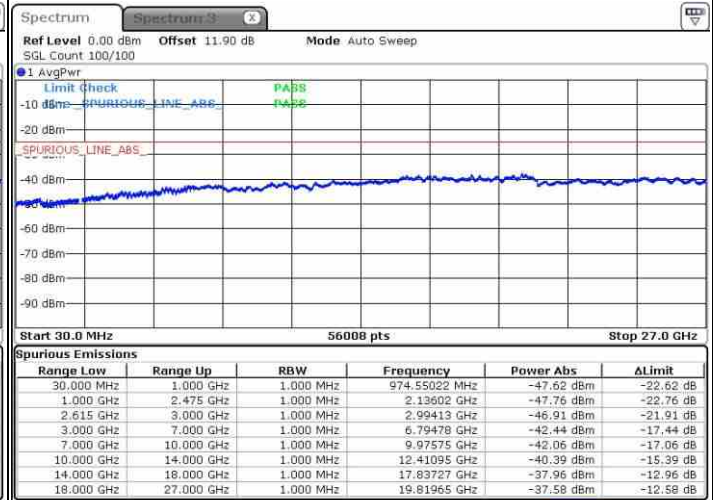
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



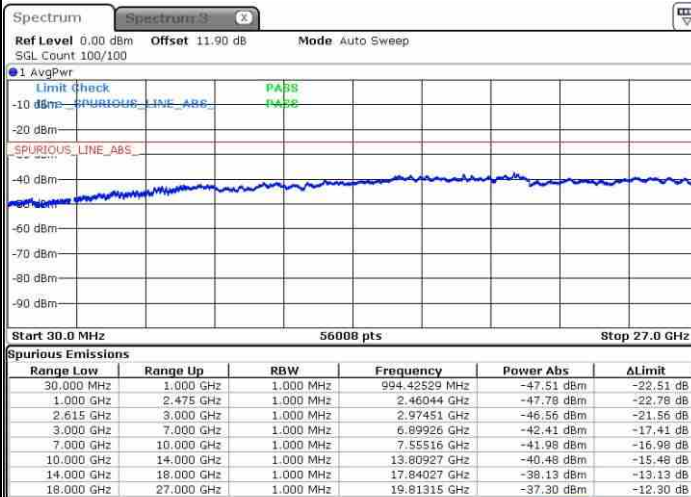
Date: 1.MAR.2019 01:51:30



Date: 1.MAR.2019 01:45:27

Lowest Channel / FullRB

N/A



Date: 1.MAR.2019 01:52:43

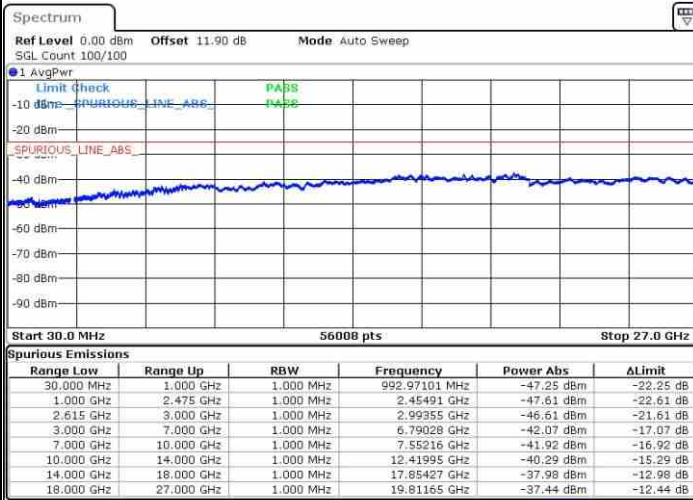


LTE Band 7 / 10MHz+20MHz

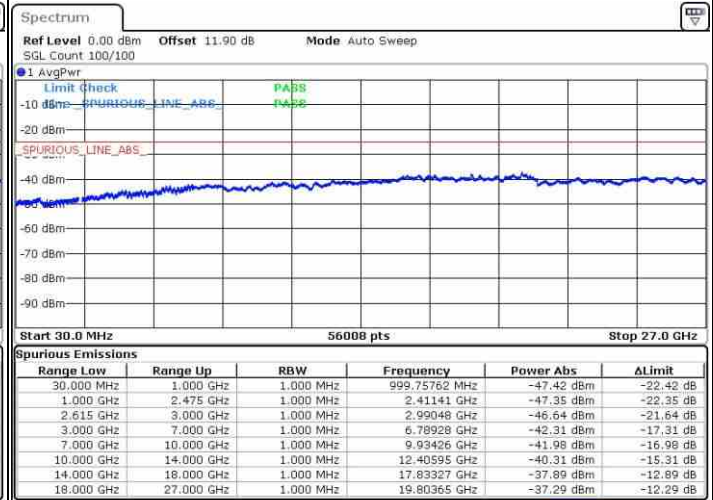
64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



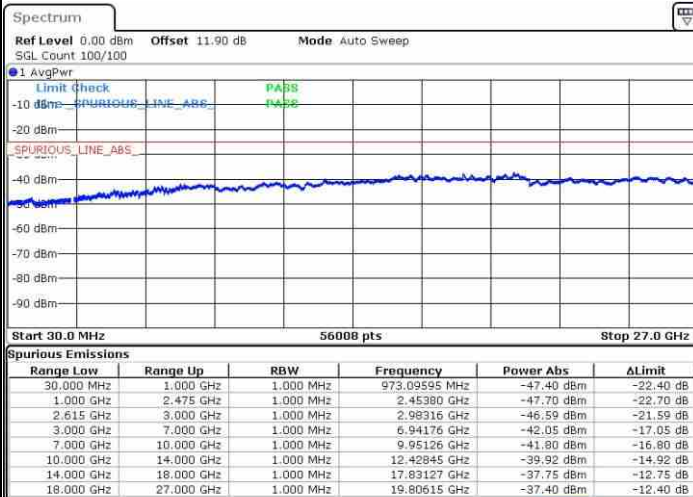
Date: 3.MAR.2019 16:47:44



Date: 3.MAR.2019 16:52:36

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 16:46:46

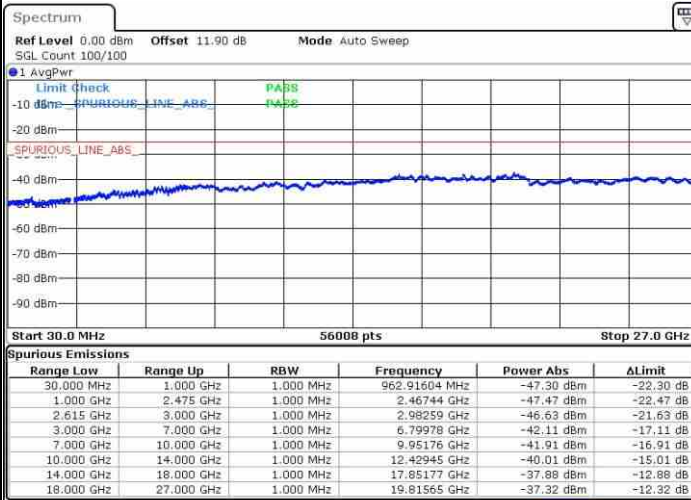


LTE Band 7 / 10MHz+20MHz

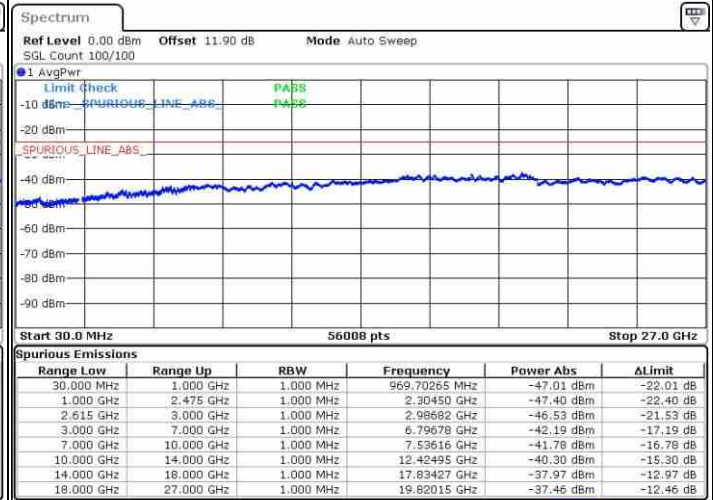
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



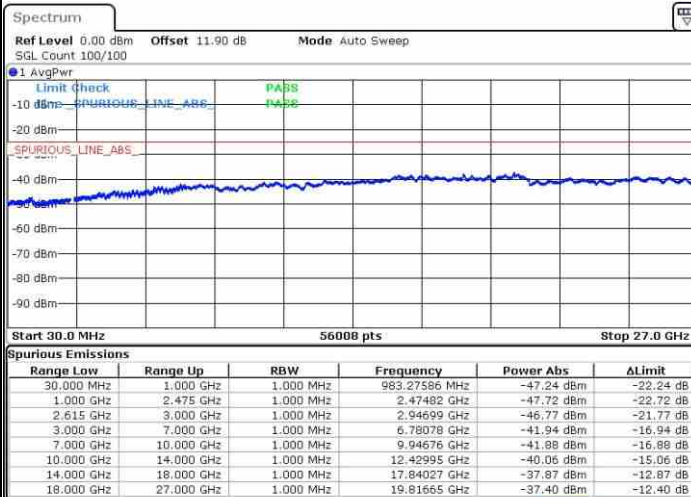
Date: 3.MAR.2019 16:56:29



Date: 3.MAR.2019 16:55:31

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:01:21

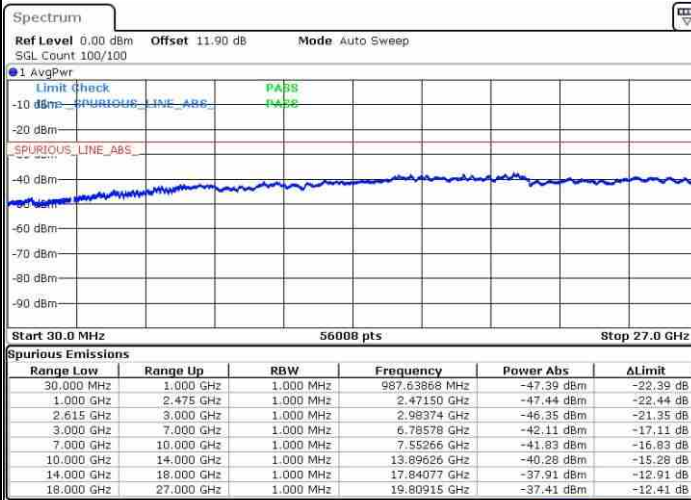


LTE Band 7 / 15MHz+10MHz

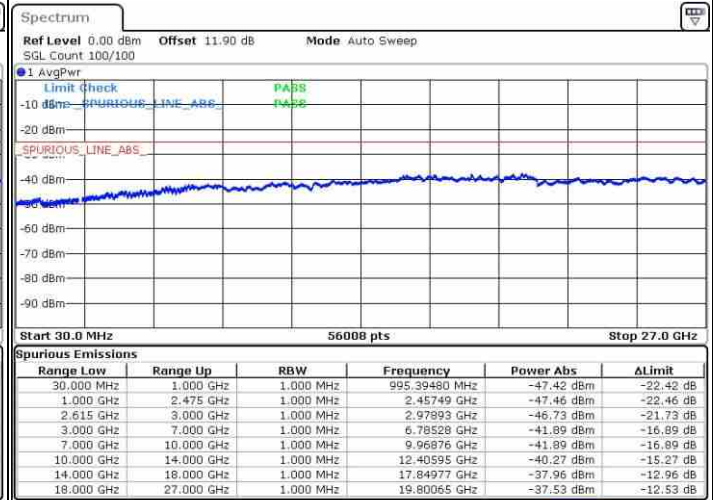
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0



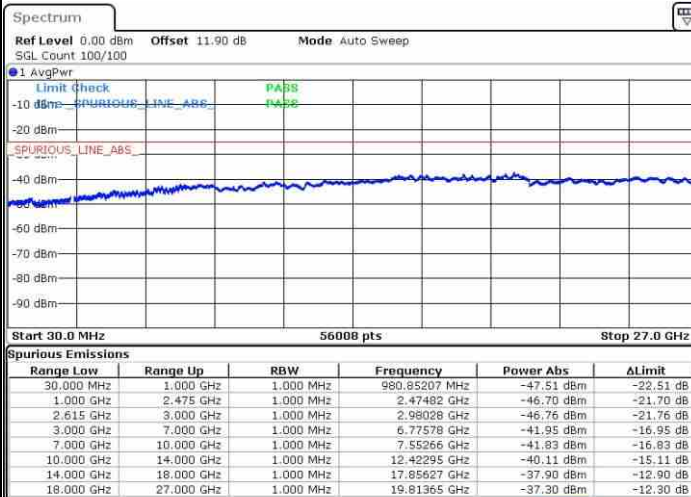
Date: 3.MAR.2019 15:44:16



Date: 3.MAR.2019 15:38:06

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 15:45:32

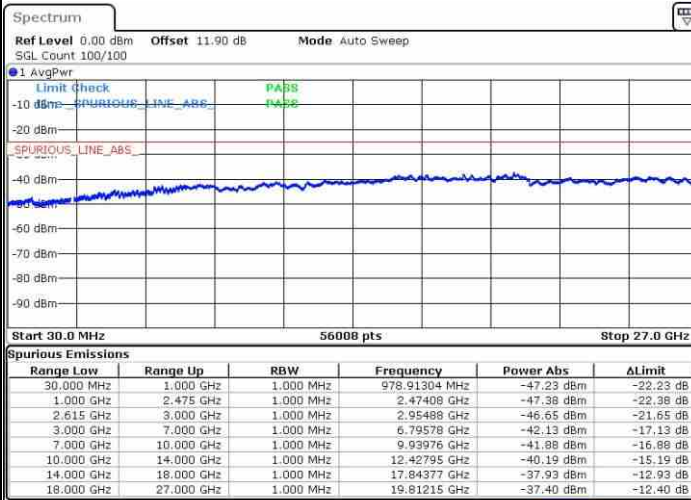


LTE Band 7 / 15MHz+10MHz

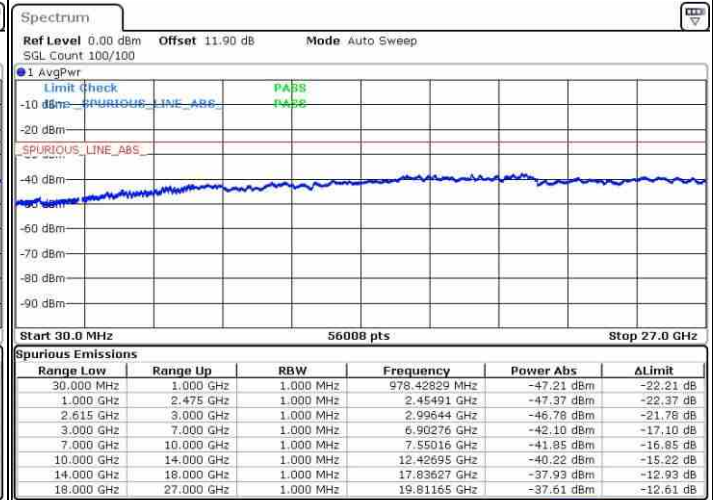
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0



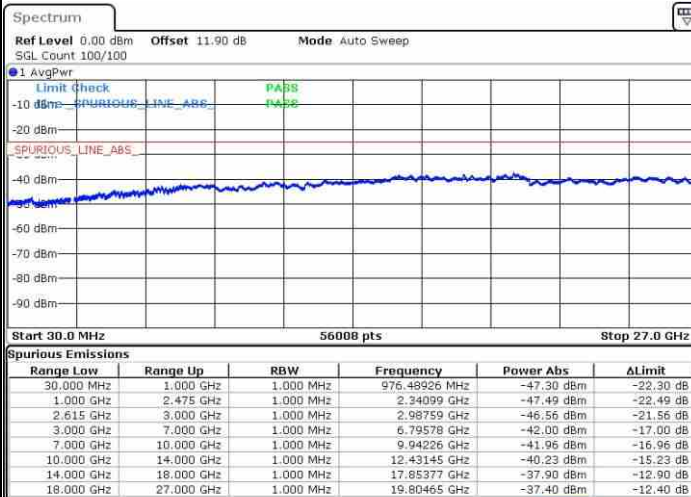
Date: 3.MAR.2019 16:23:05



Date: 3.MAR.2019 16:27:57

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 16:22:07

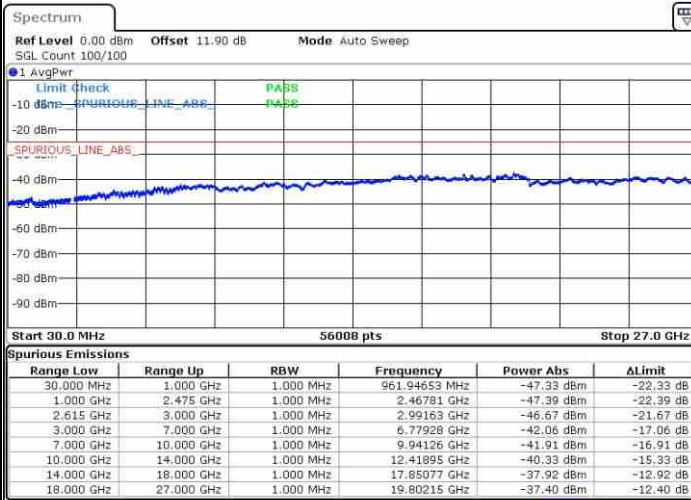


LTE Band 7 / 15MHz+10MHz

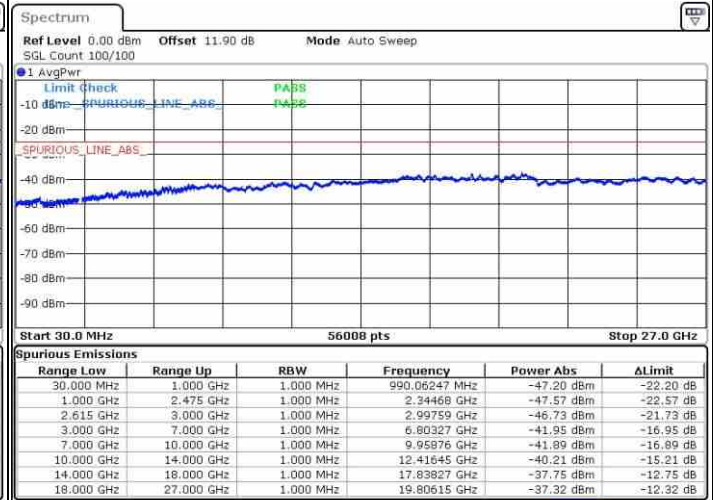
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB74 and 1RB0



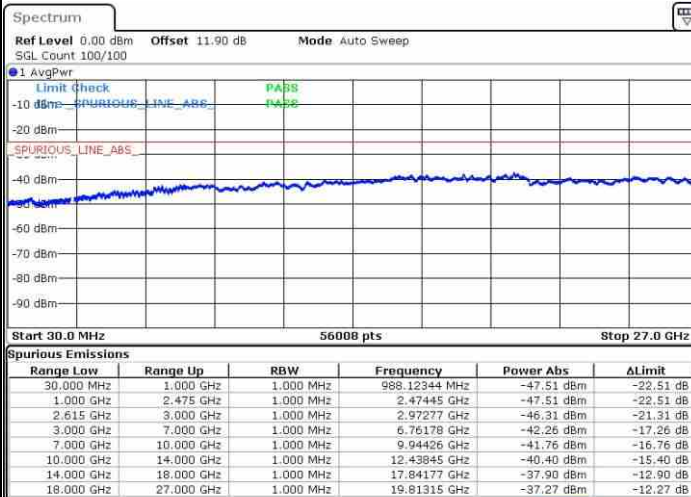
Date: 3.MAR.2019 16:31:50



Date: 3.MAR.2019 16:30:52

Highest Channel / FullRB

N/A



Date: 3.MAR.2019 16:36:42

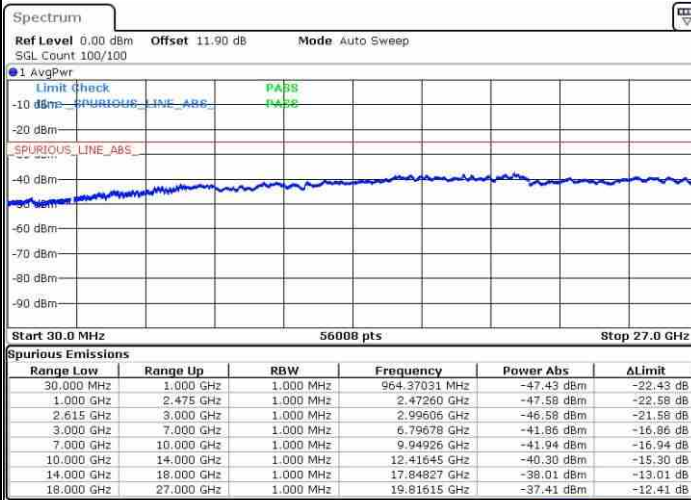


LTE Band 7 / 15MHz+15MHz

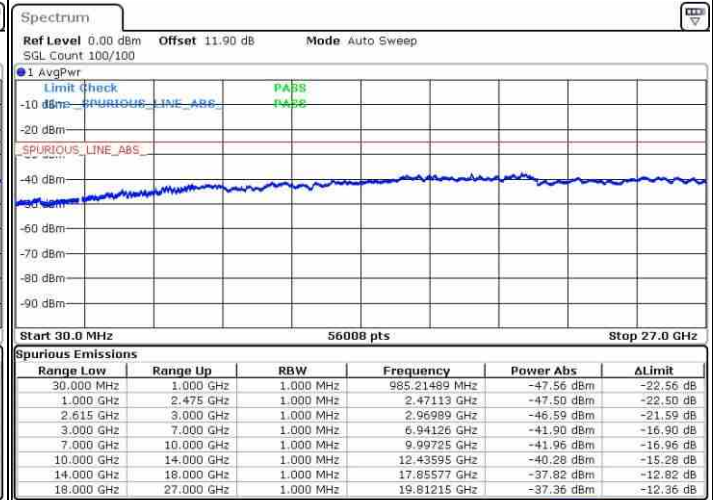
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



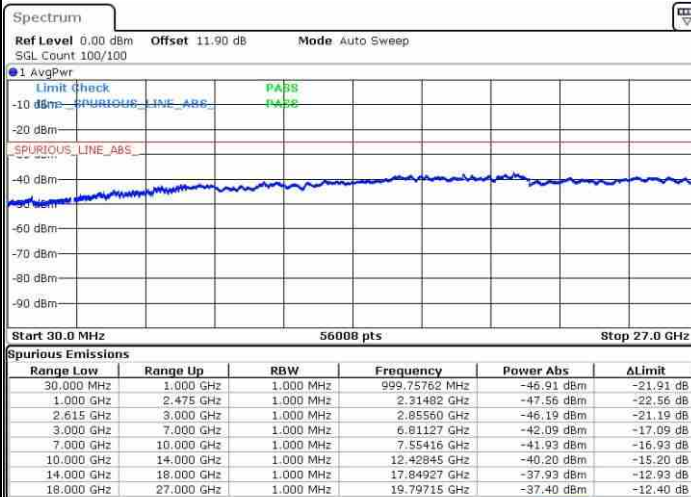
Date: 3.MAR.2019 17:16:07



Date: 3.MAR.2019 17:11:05

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:17:28

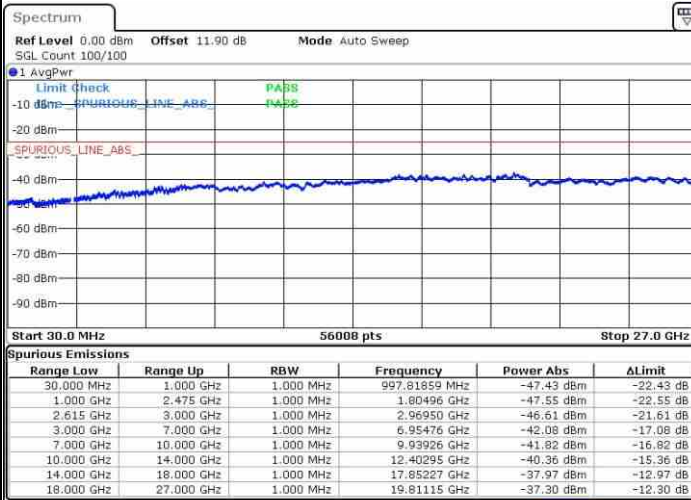


LTE Band 7 / 15MHz+15MHz

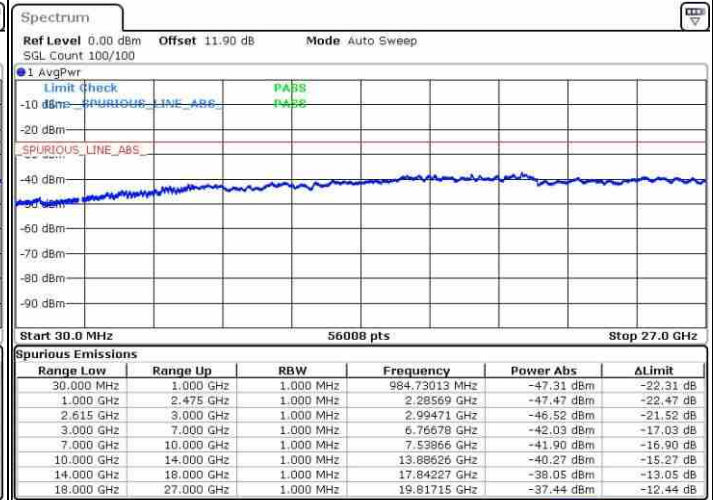
64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



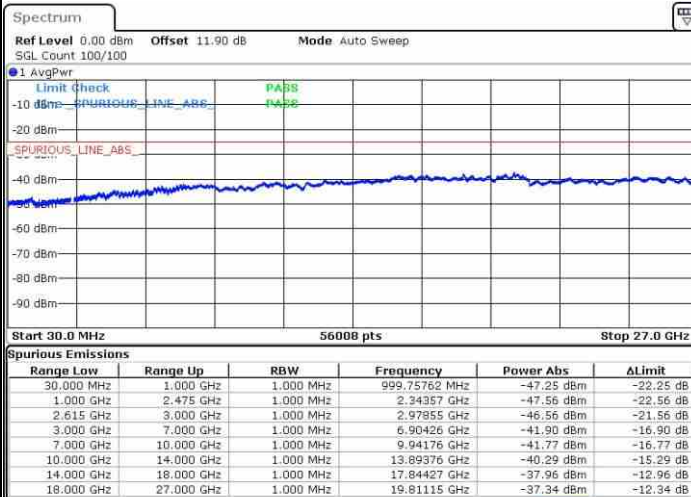
Date: 3.MAR.2019 17:23:18



Date: 3.MAR.2019 17:28:10

Middle Channel / FullRB

N/A



Date: 3.MAR.2019 17:22:20

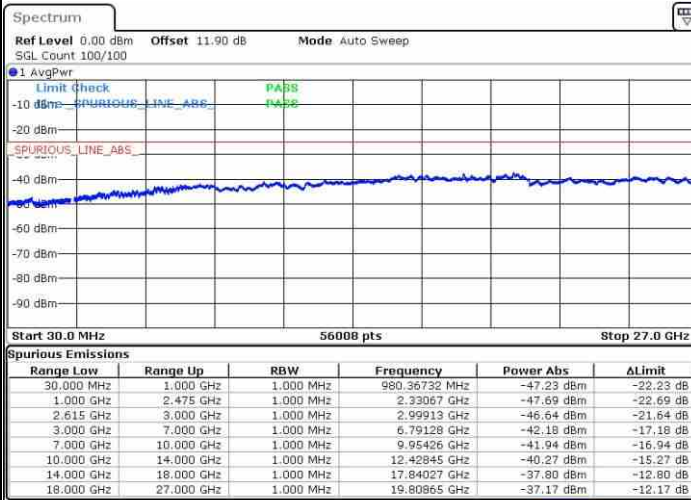


LTE Band 7 / 15MHz+15MHz

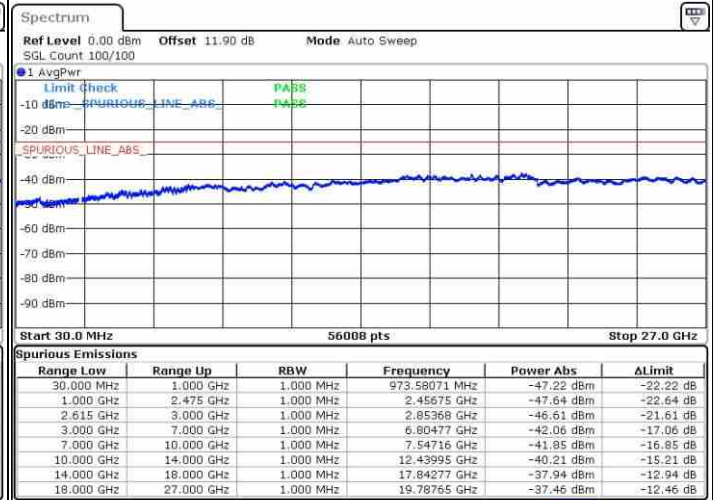
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



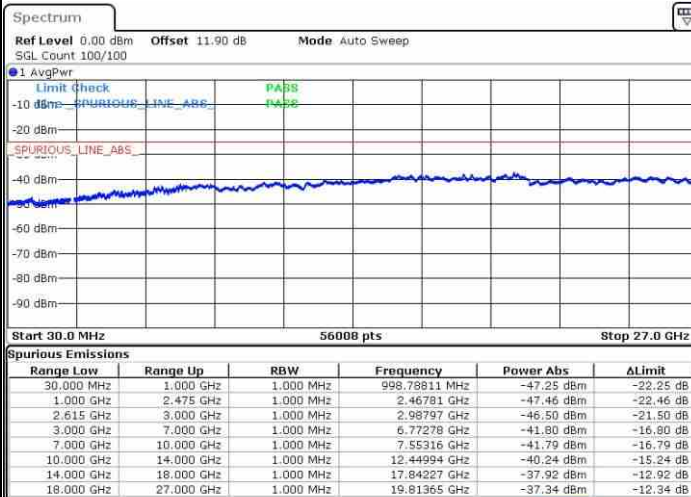
Date: 3.MAR.2019 17:32:03



Date: 3.MAR.2019 17:31:05

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:36:55

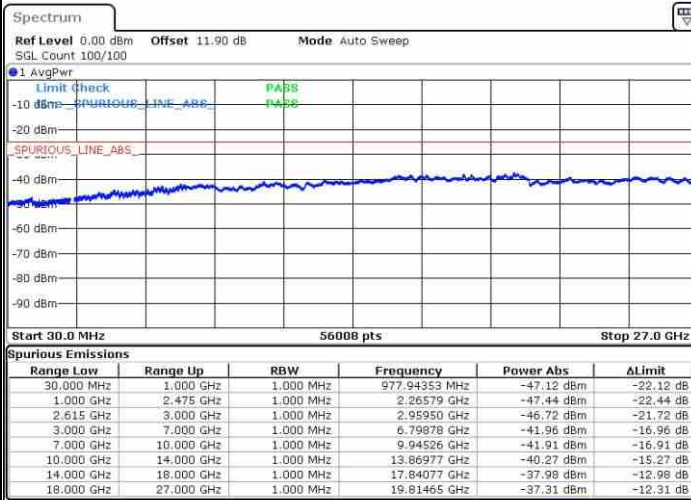


LTE Band 7 / 15MHz+20MHz

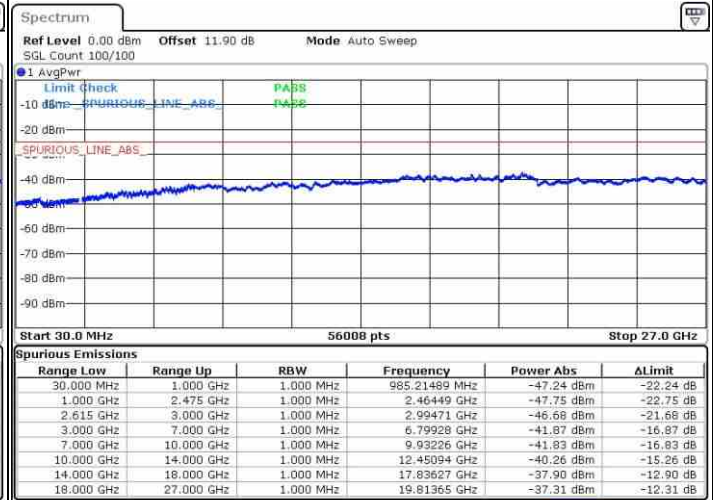
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



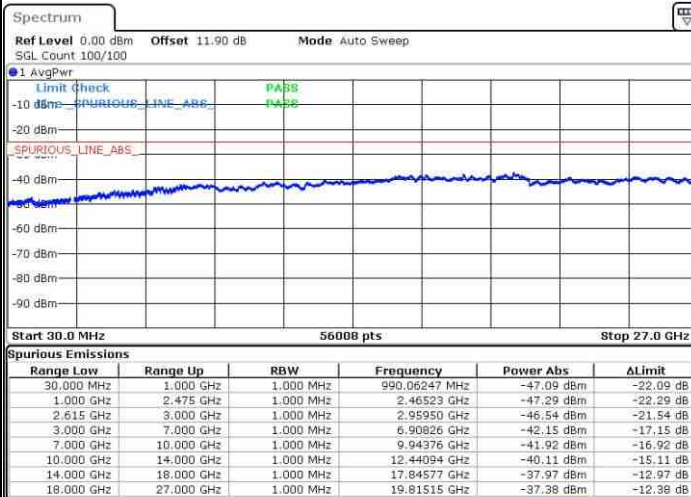
Date: 3.MAR.2019 17:42:45



Date: 3.MAR.2019 17:37:54

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 17:43:44

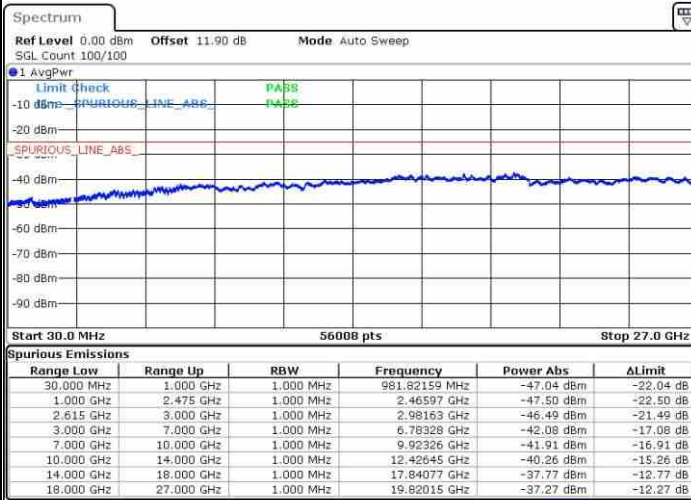


LTE Band 7 / 15MHz+20MHz

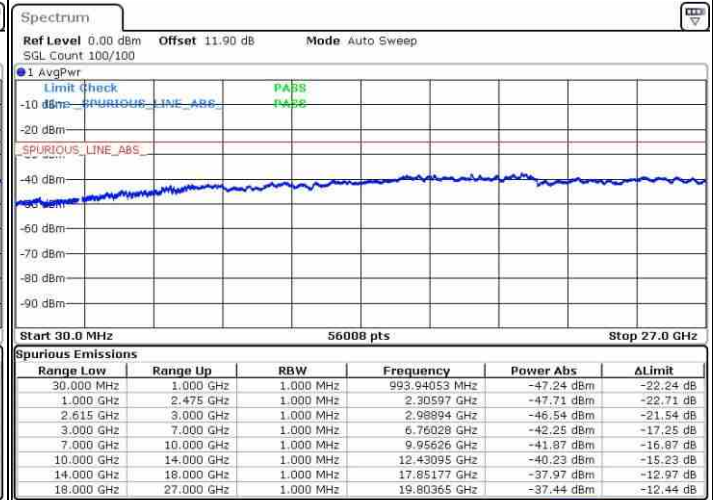
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



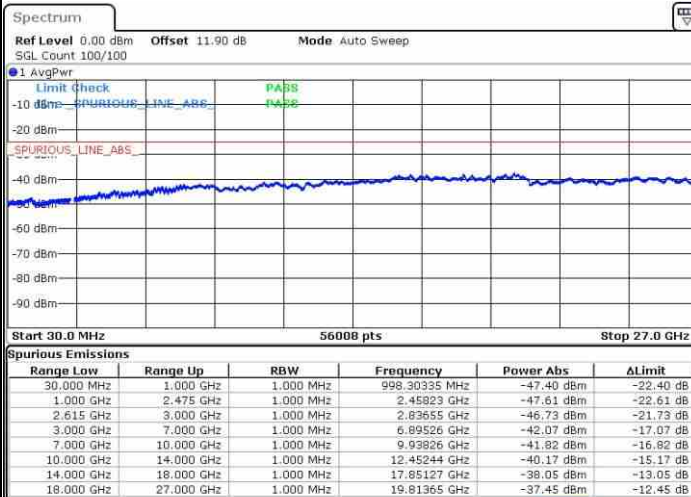
Date: 3.MAR.2019 17:49:34



Date: 3.MAR.2019 17:54:26

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 17:48:36

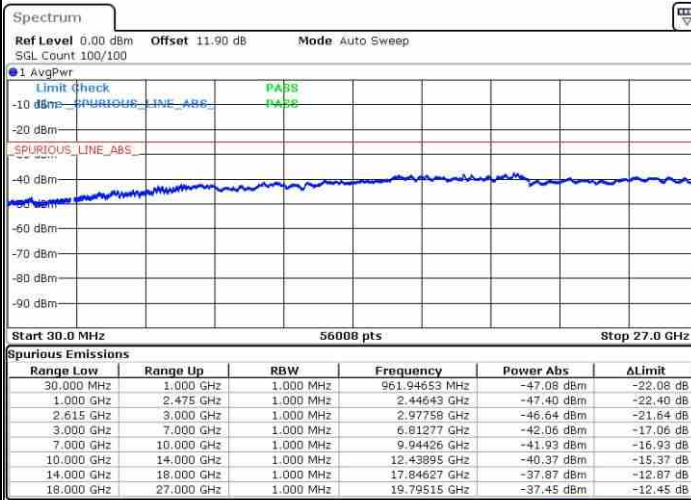


LTE Band 7 / 15MHz+20MHz

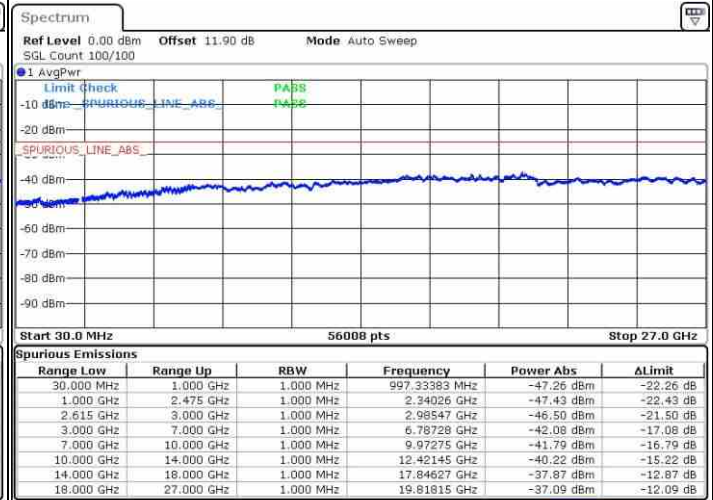
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



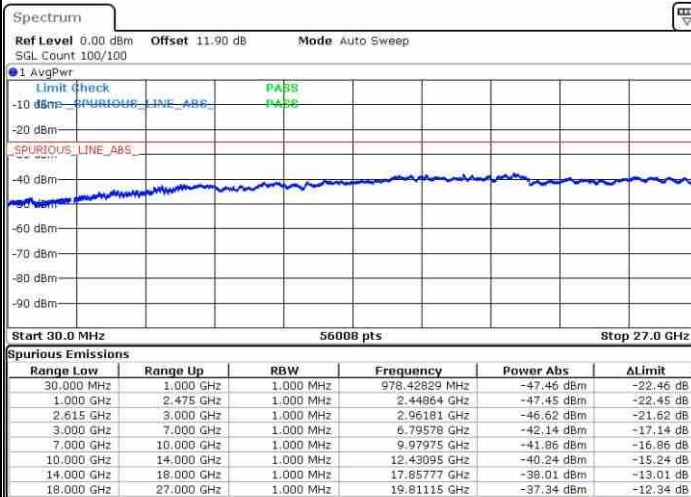
Date: 3.MAR.2019 17:58:19



Date: 3.MAR.2019 17:57:21

Highest Channel / FullRB

N/A



Date: 3.MAR.2019 18:03:11

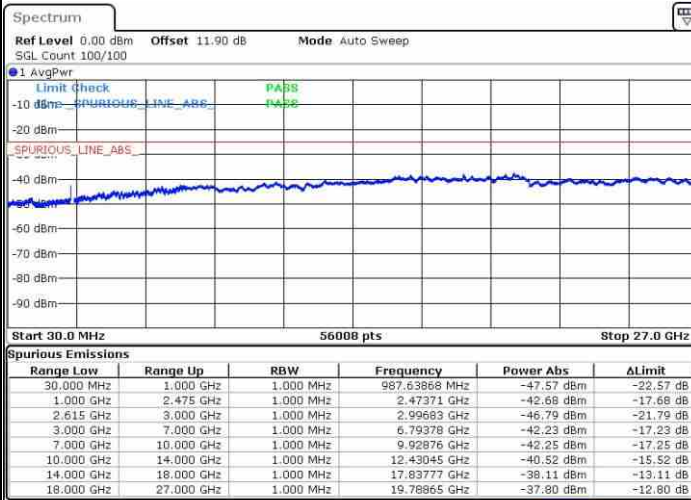


LTE Band 7 / 20MHz+10MHz

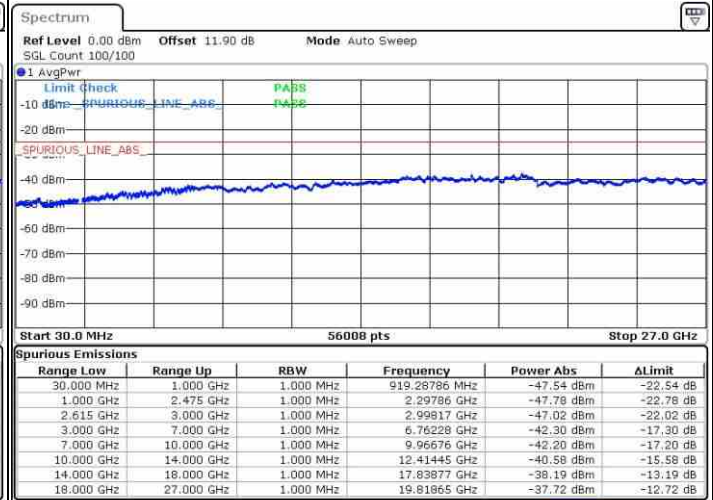
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



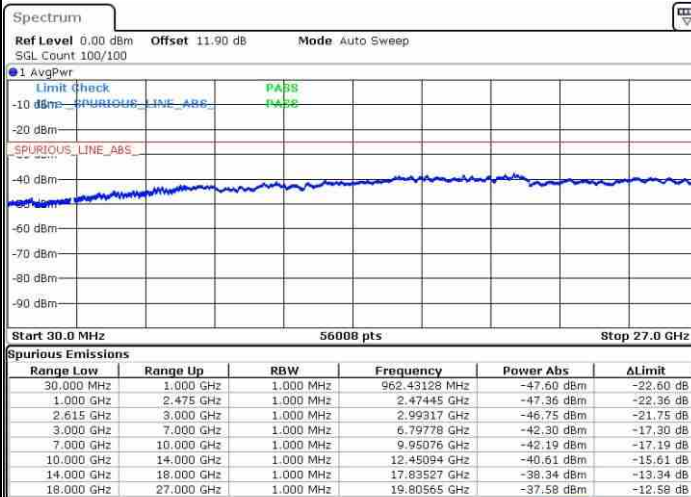
Date: 1.MAR.2019 12:08:58



Date: 1.MAR.2019 12:02:44

Lowest Channel / FullIRB

N/A



Date: 1.MAR.2019 12:10:15

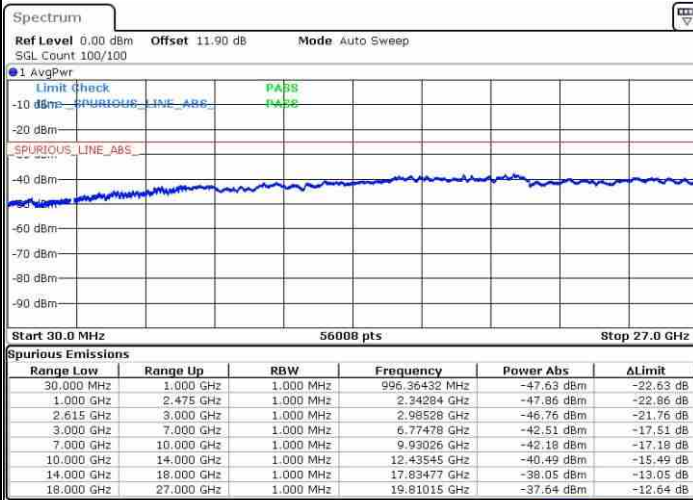


LTE Band 7 / 20MHz+10MHz

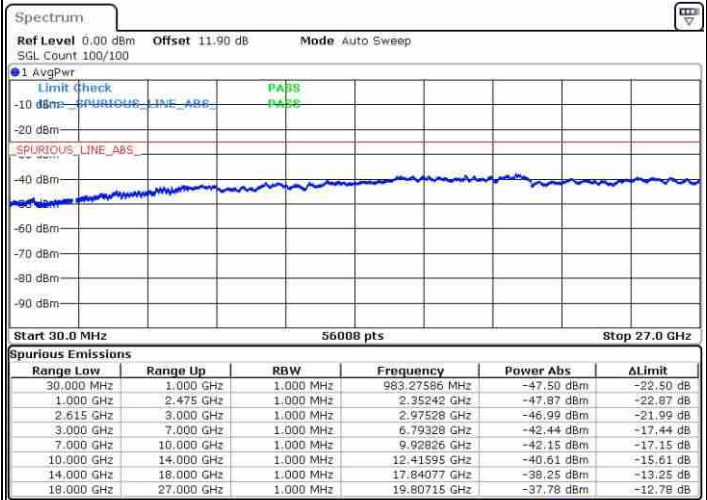
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



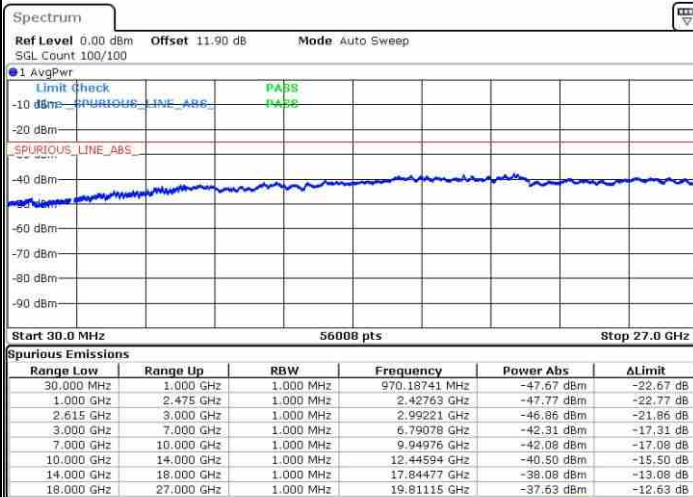
Date: 1.MAR.2019 14:11:08



Date: 1.MAR.2019 14:17:41

Middle Channel / FullIRB

N/A



Date: 1.MAR.2019 14:07:45

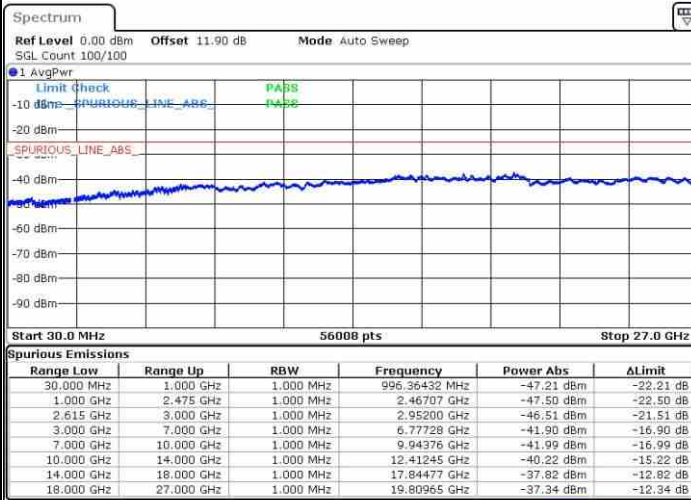


LTE Band 7 / 20MHz+10MHz

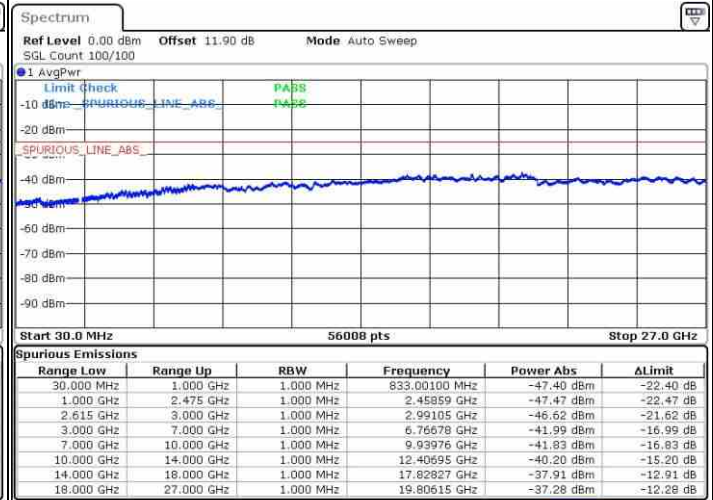
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



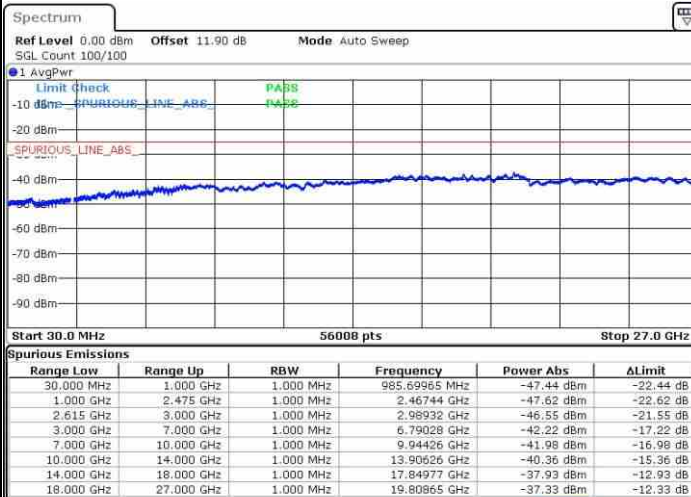
Date: 3.MAR.2019 17:05:15



Date: 3.MAR.2019 17:04:16

Highest Channel / FullRB

N/A



Date: 3.MAR.2019 17:10:06

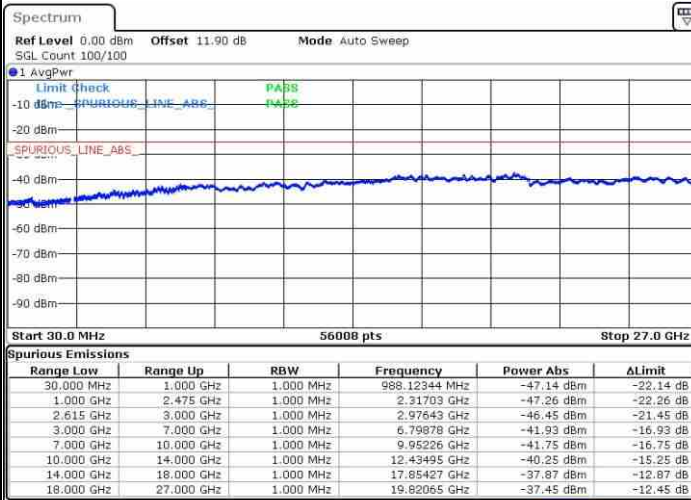


LTE Band 7 / 20MHz+15MHz

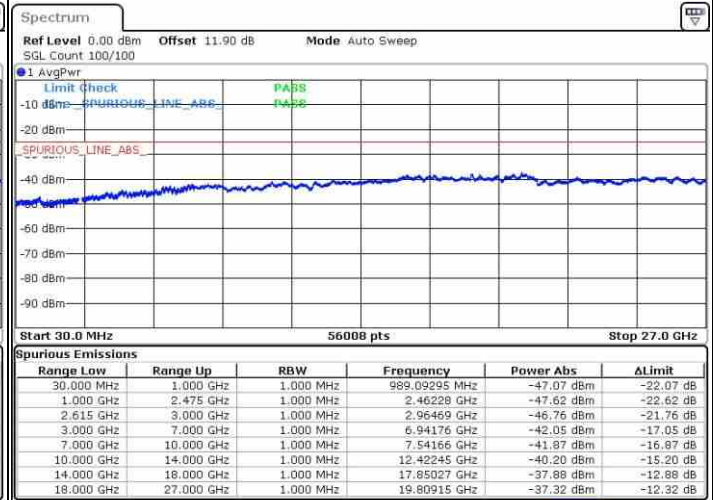
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



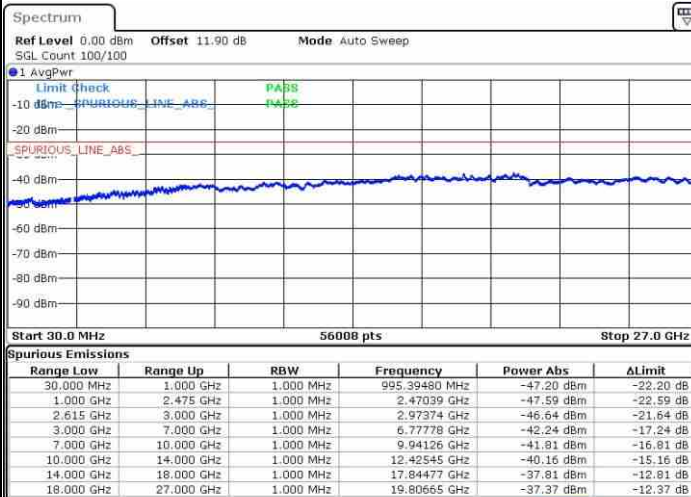
Date: 3.MAR.2019 18:09:01



Date: 3.MAR.2019 18:04:08

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:11:40

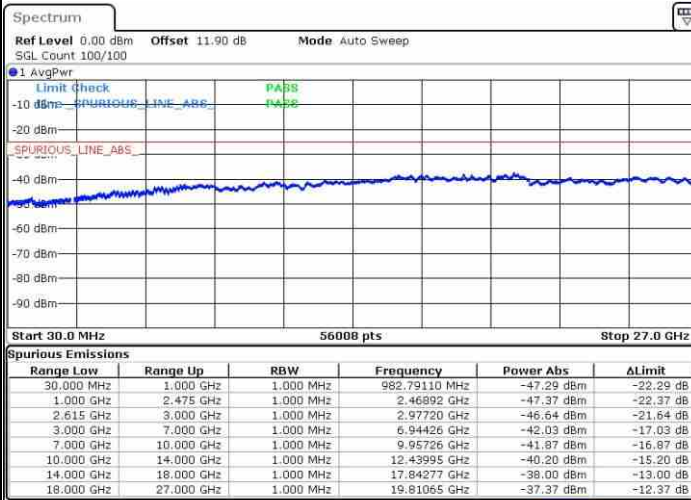


LTE Band 7 / 20MHz+15MHz

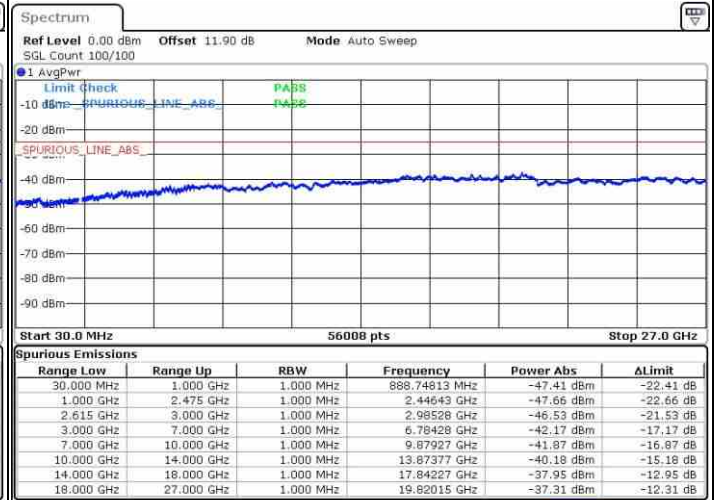
64QAM

MiddleChannel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



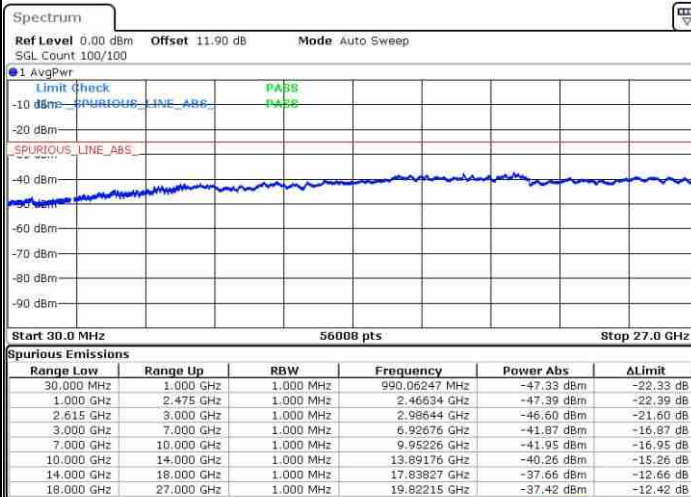
Date: 3.MAR.2019 18:17:30



Date: 3.MAR.2019 18:22:22

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 18:16:32

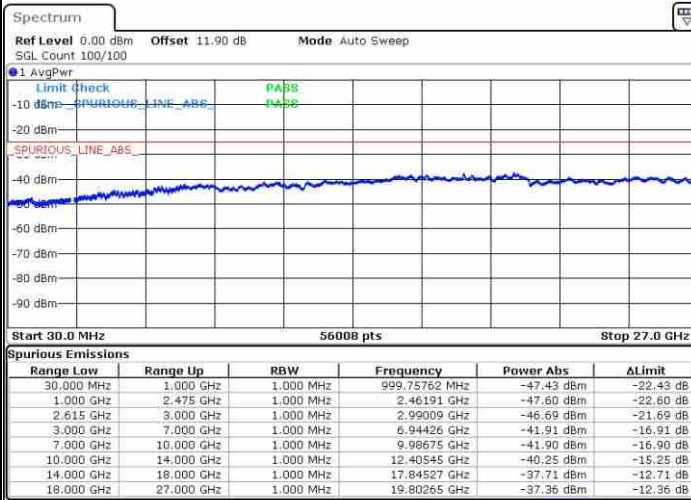


LTE Band 7 / 20MHz+15MHz

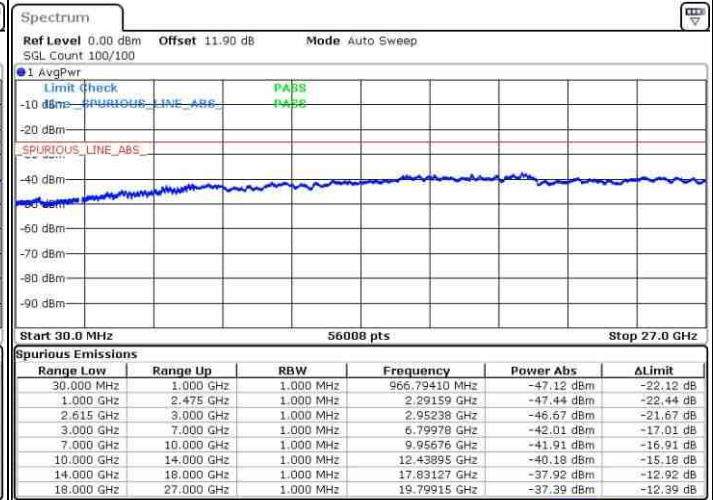
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



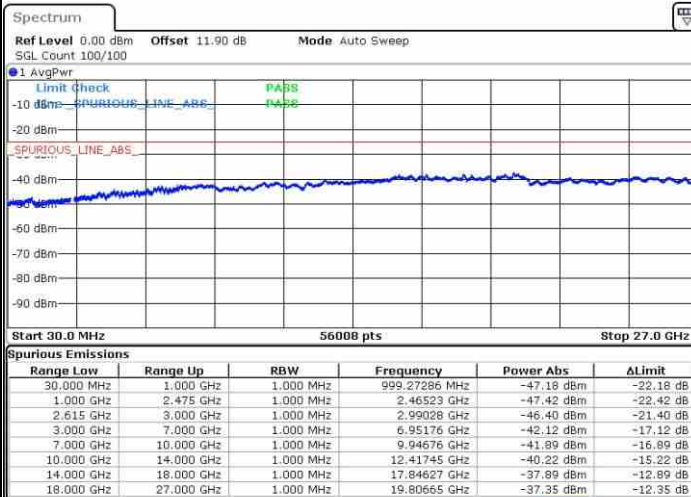
Date: 3.MAR.2019 18:26:15



Date: 3.MAR.2019 18:25:17

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:31:07

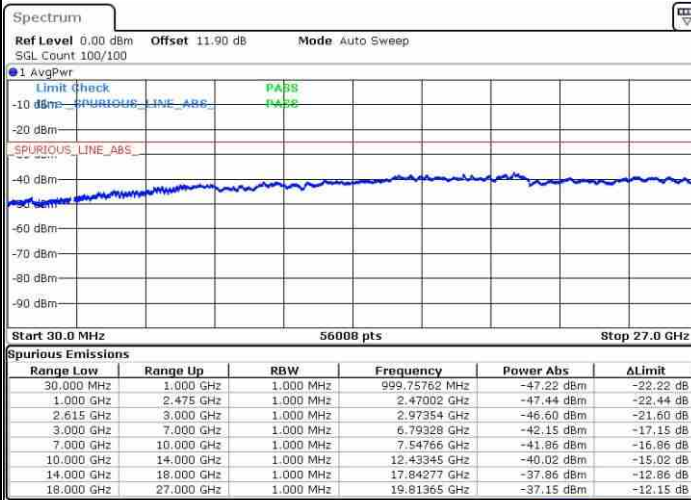


LTE Band 7 / 20MHz+20MHz

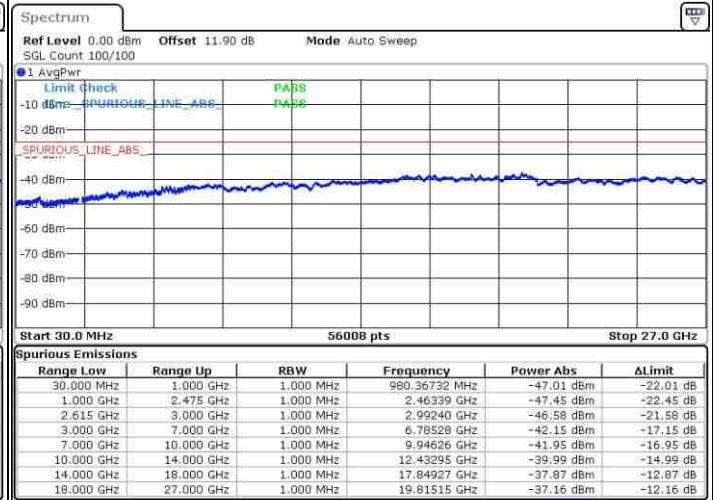
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



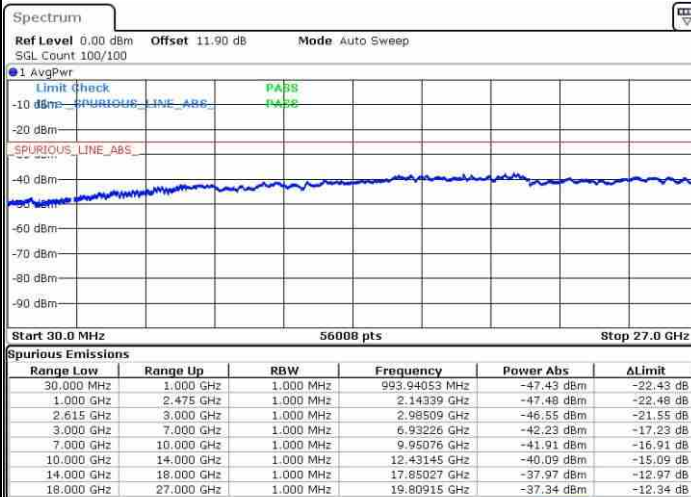
Date: 3.MAR.2019 18:36:57



Date: 3.MAR.2019 18:32:05

Lowest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:37:56

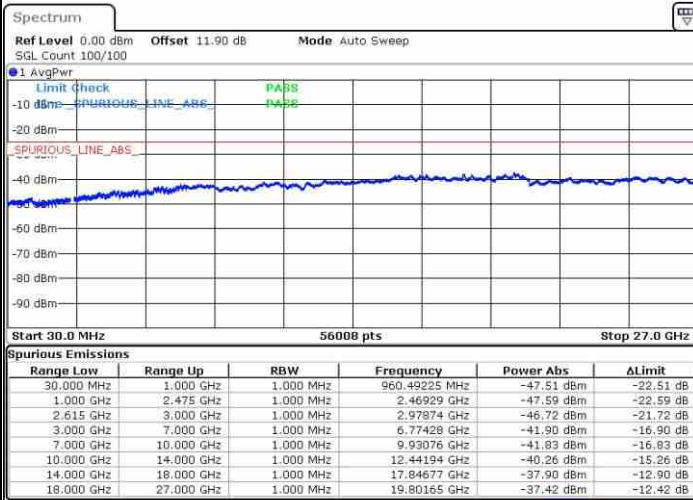


LTE Band 7 / 20MHz+20MHz

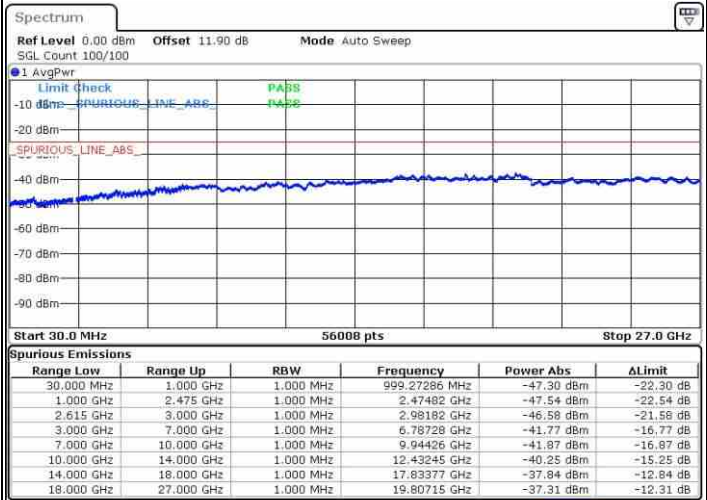
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



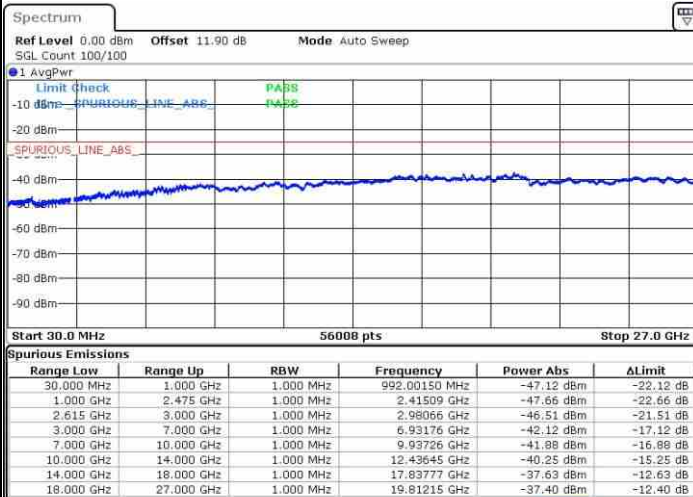
Date: 3.MAR.2019 18:43:46



Date: 3.MAR.2019 18:48:38

Middle Channel / FullIRB

N/A



Date: 3.MAR.2019 18:42:48

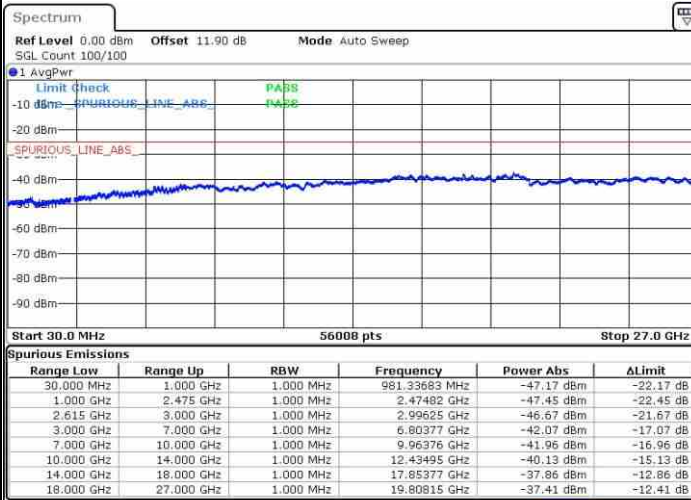


LTE Band 7 / 20MHz+20MHz

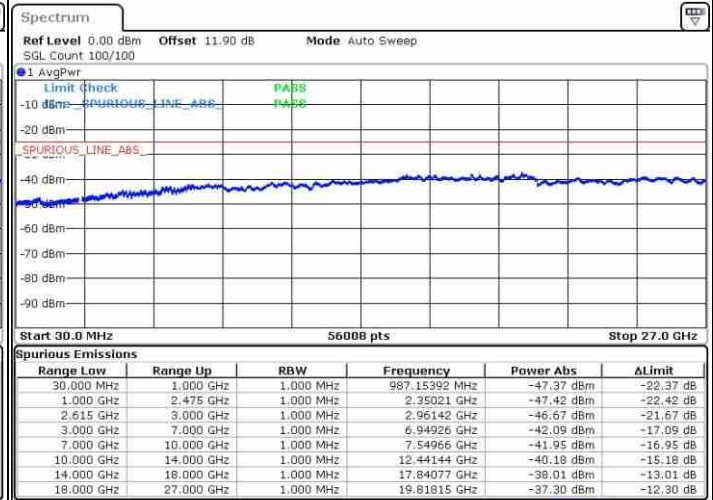
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



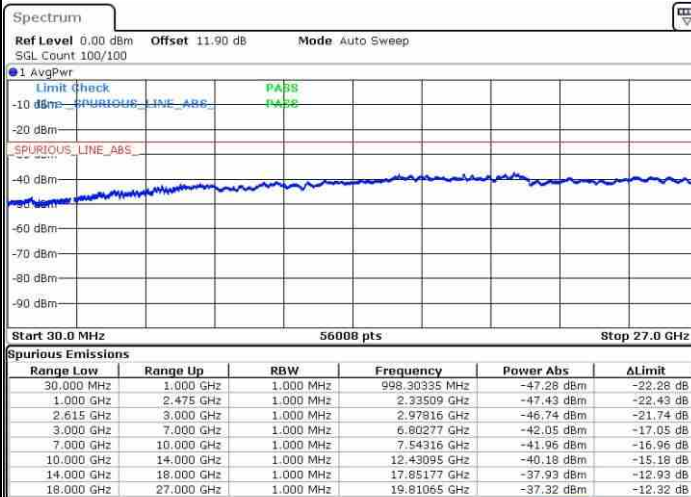
Date: 3.MAR.2019 18:52:31



Date: 3.MAR.2019 18:51:33

Highest Channel / FullIRB

N/A



Date: 3.MAR.2019 18:57:41

LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.46	4.06	5.54	PASS
Middle CH	3.57	4.46	4.26	5.54	
Highest CH	3.48	4.46	4.12	5.51	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.23	-	-	PASS
Middle CH	5.57	6.12	-	-	
Highest CH	5.25	6.23	-	-	



LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



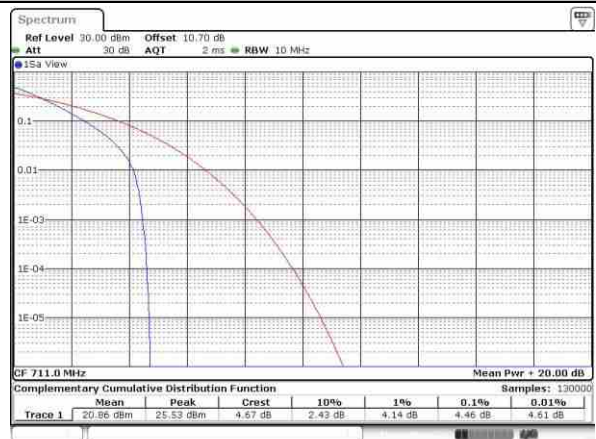
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



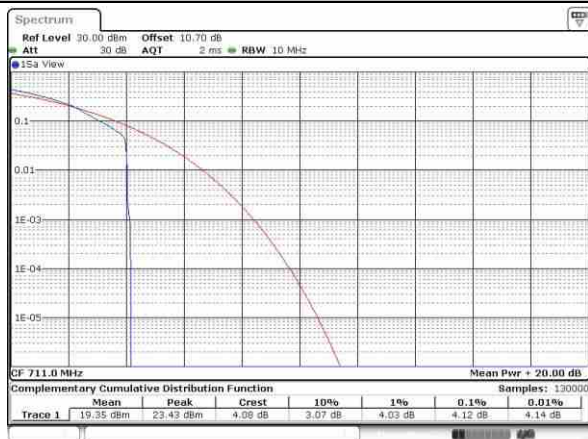
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



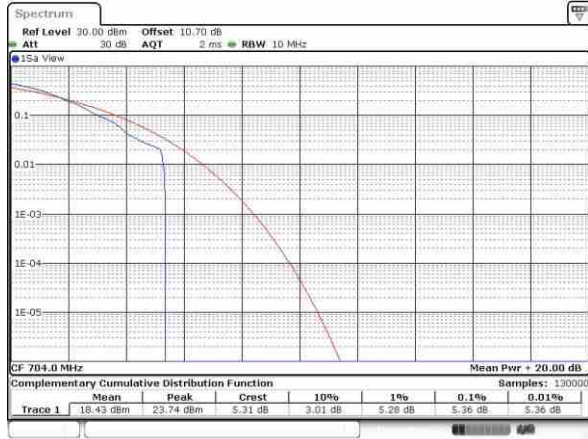
Highest Channel / Full RB



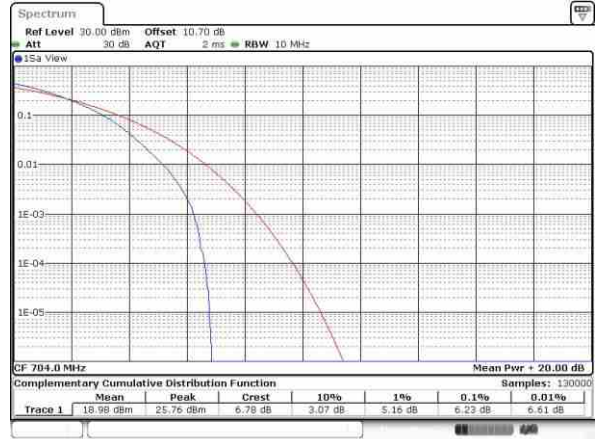


LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



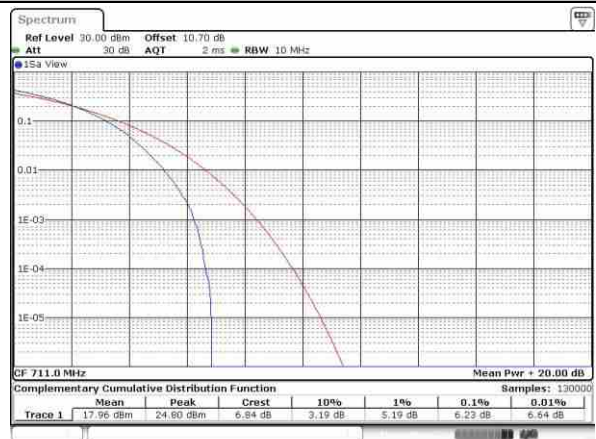
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



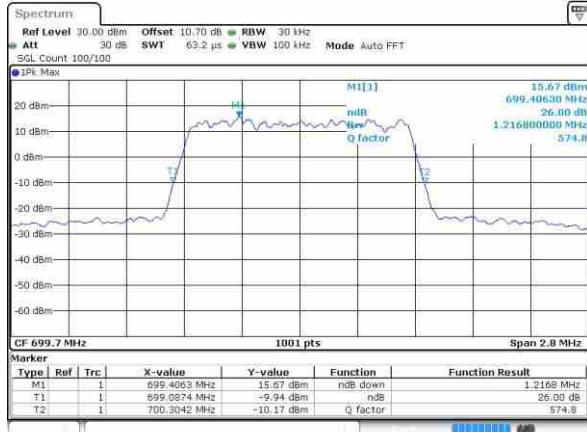
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.22	1.22	3.03	3.06	4.93	4.90	9.99	9.97	-	-	-	-
Middle CH	1.22	1.23	3.03	2.97	4.84	4.90	9.97	9.69	-	-	-	-
Highest CH	1.22	1.21	3.05	3.06	4.89	4.90	9.83	9.83	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.02	-	4.91	-	9.81	-	-	-	-	-
Middle CH	1.21	-	3.03	-	4.88	-	9.87	-	-	-	-	-
Highest CH	1.22	-	3.03	-	4.91	-	9.91	-	-	-	-	-

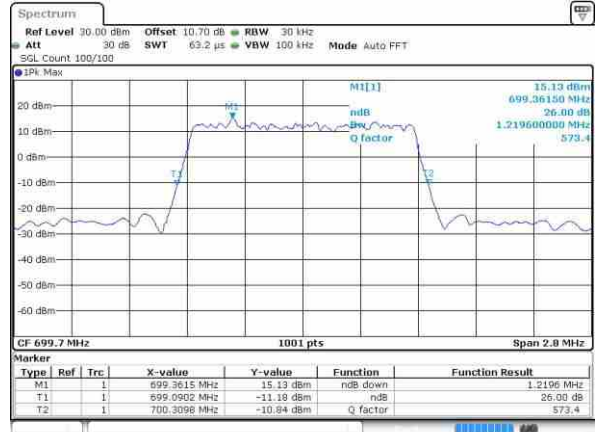


LTE Band 12

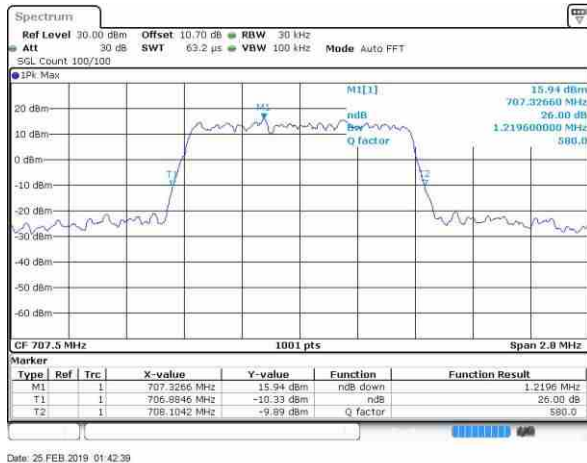
Lowest Channel / 1.4MHz / QPSK



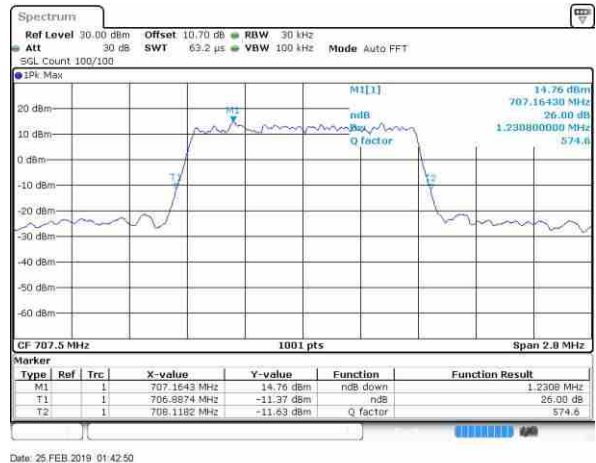
Lowest Channel / 1.4MHz / 16QAM



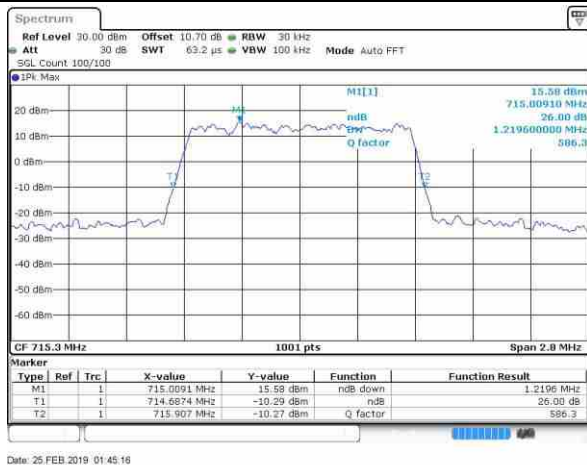
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM

