

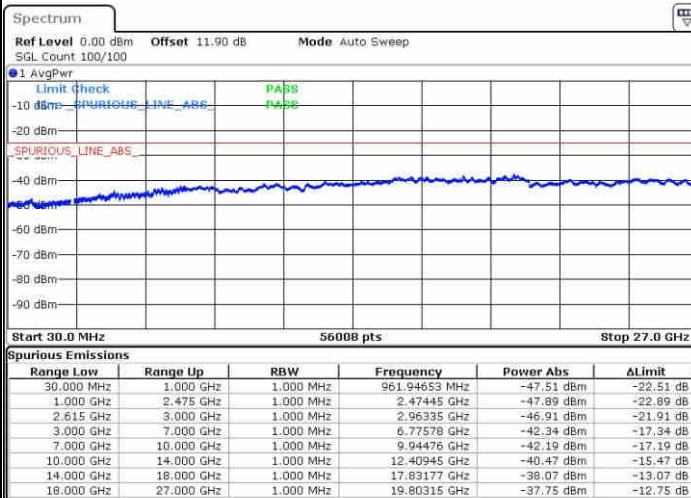


LTE Band 7 / 20MHz+15MHz

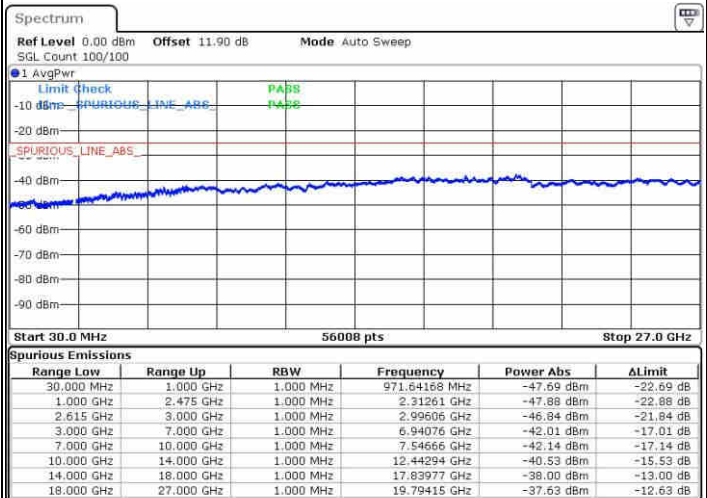
16QAM

MiddleChannel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



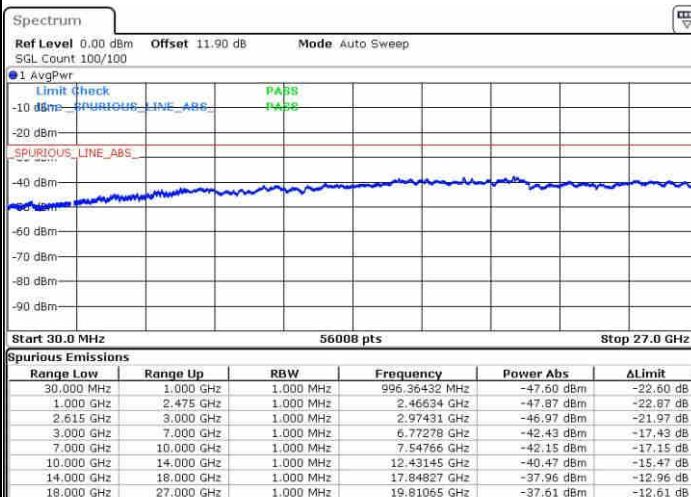
Date: 30 APR 2019 16:03:06



Date: 30 APR 2019 16:05:59

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 16:00:11

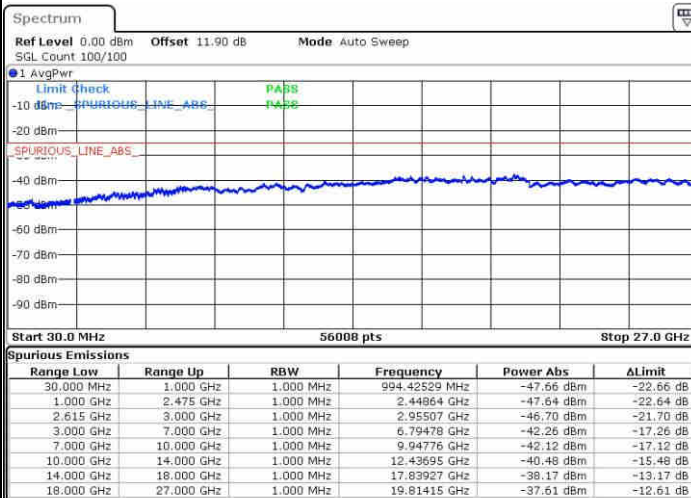


LTE Band 7 / 20MHz+15MHz

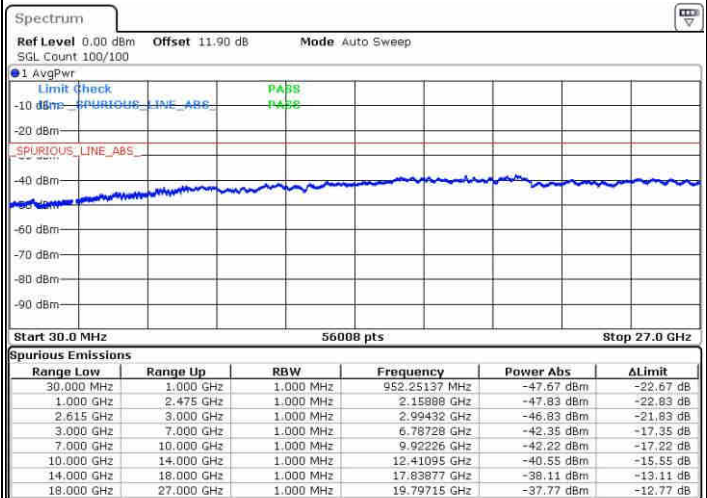
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



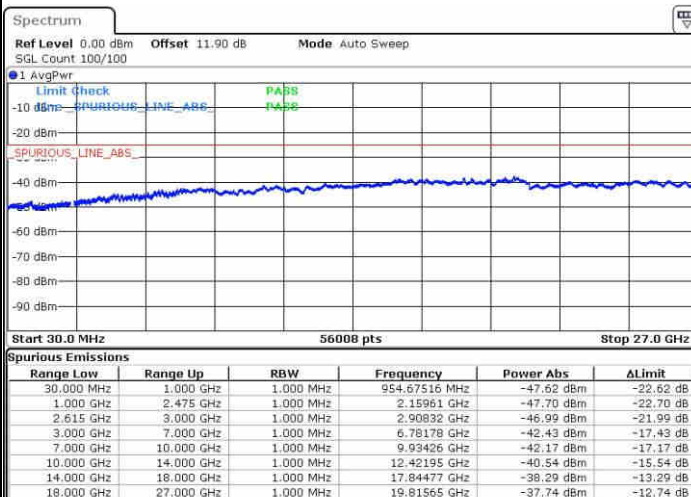
Date: 30 APR 2019 16:31:47



Date: 30 APR 2019 16:28:54

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 16:34:41

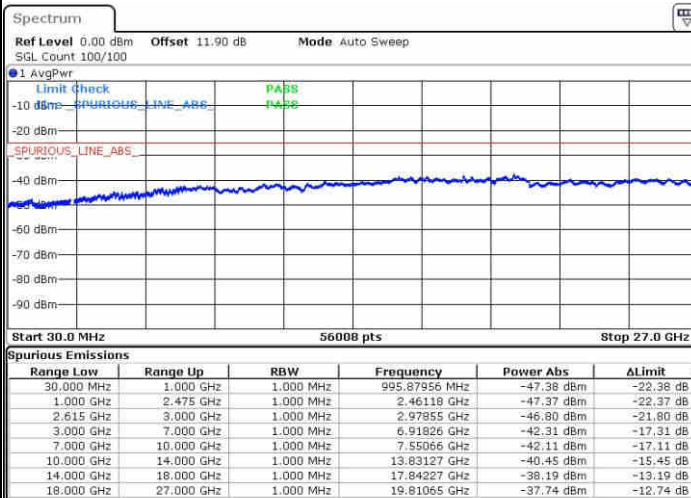


LTE Band 7 / 20MHz+20MHz

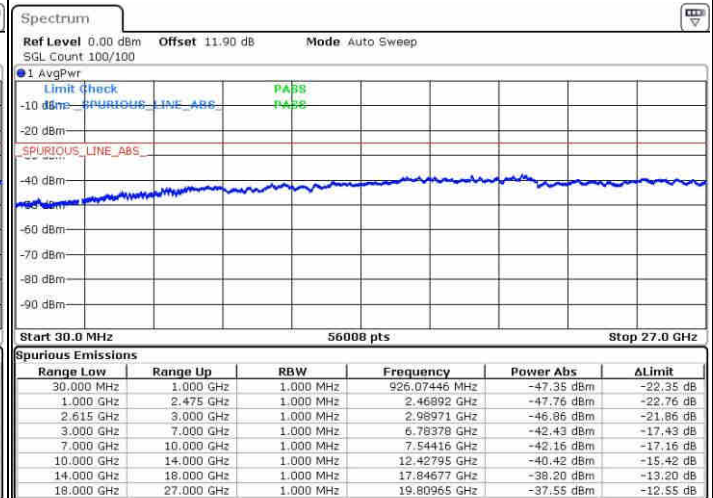
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



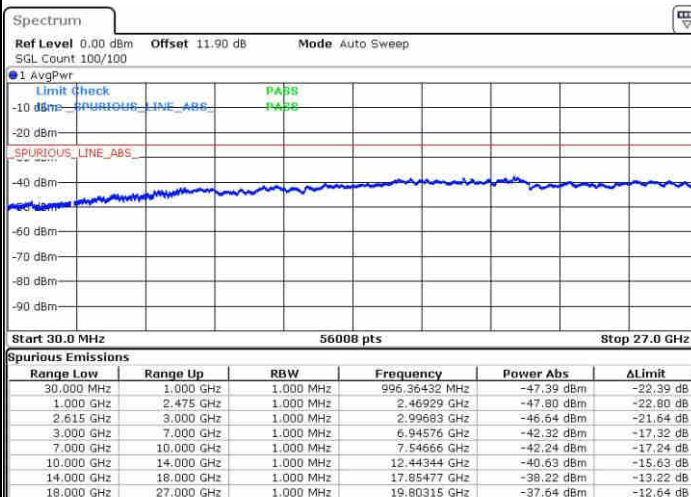
Date: 30 APR 2019 17:20:15



Date: 30 APR 2019 17:17:22

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 17:23:10

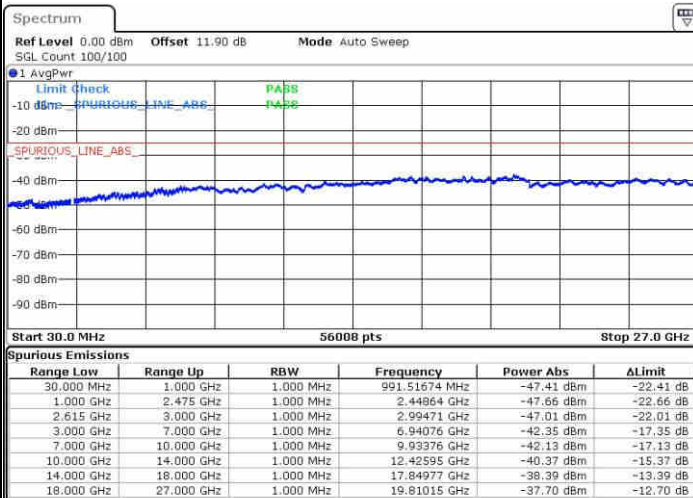


LTE Band 7 / 20MHz+20MHz

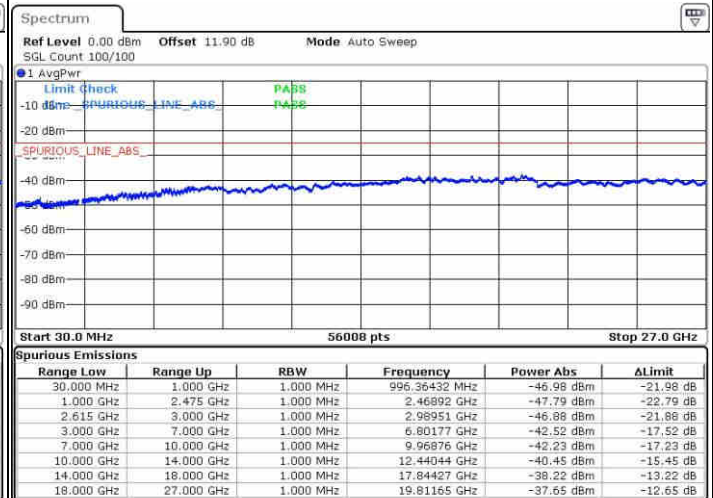
16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



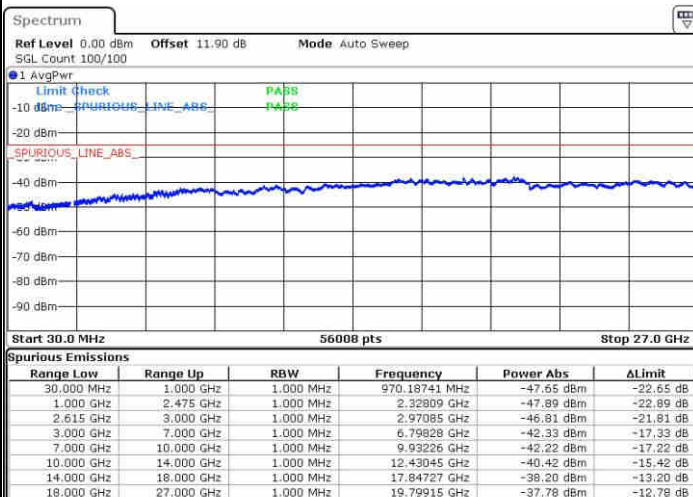
Date: 30 APR 2019 18:45:17



Date: 30 APR 2019 18:48:11

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 18:42:23

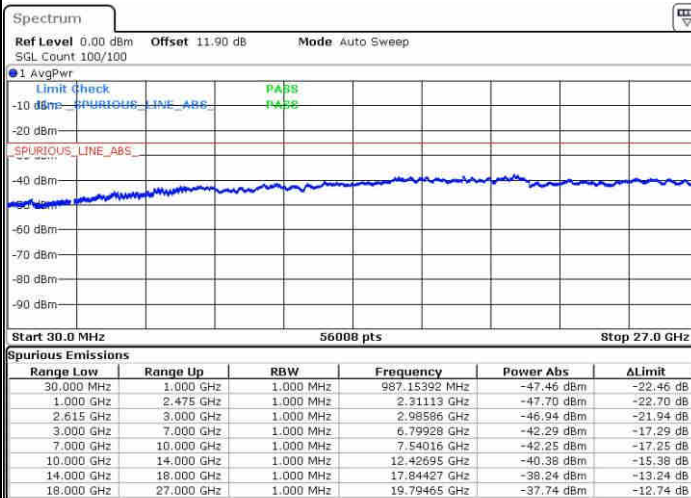


LTE Band 7 / 20MHz+20MHz

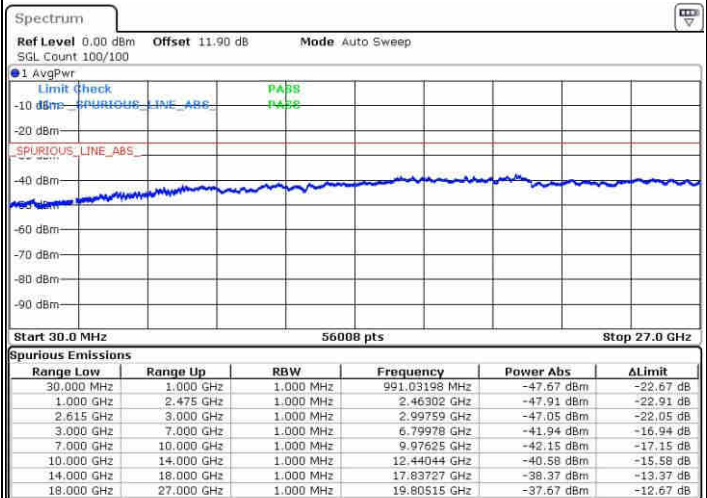
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



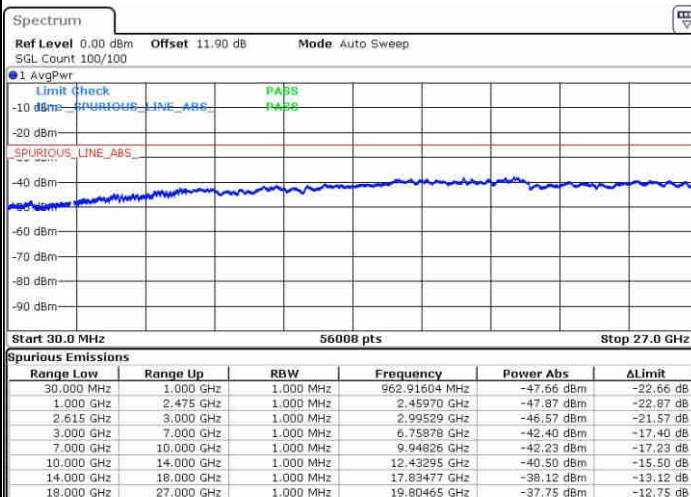
Date: 30 APR 2019 19:15:37



Date: 30 APR 2019 19:12:43

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 19:18:35

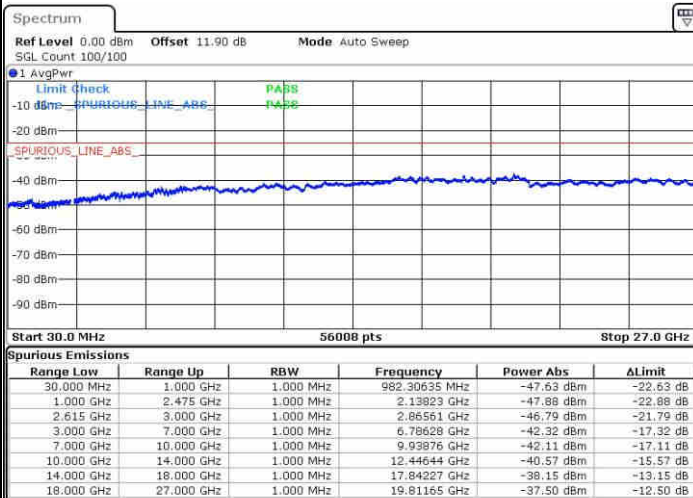


LTE Band 7 / 10MHz+20MHz

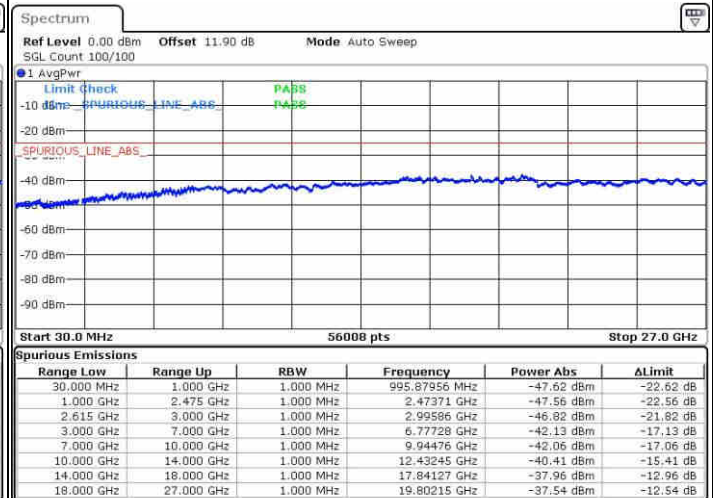
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



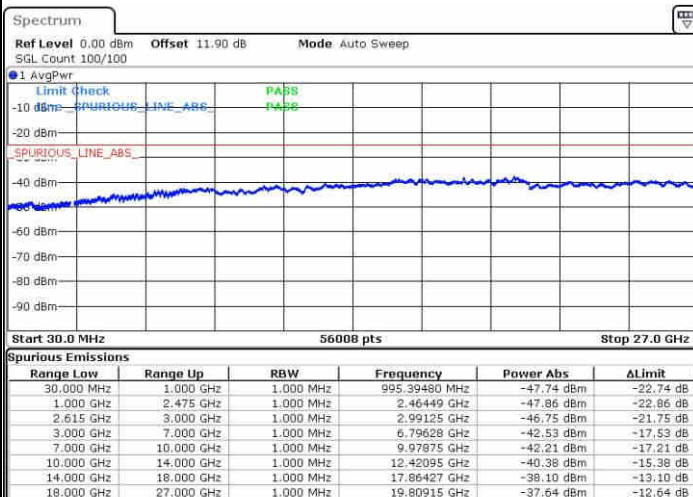
Date: 30 APR 2019 06:33:36



Date: 30 APR 2019 06:28:47

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 06:34:34

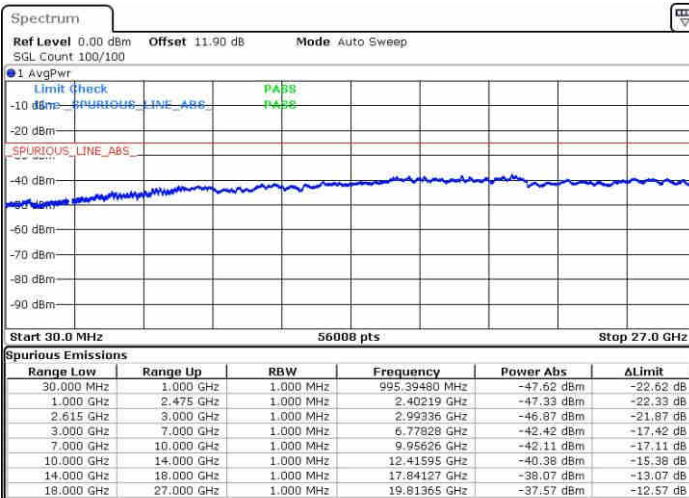


LTE Band 7 / 10MHz+20MHz

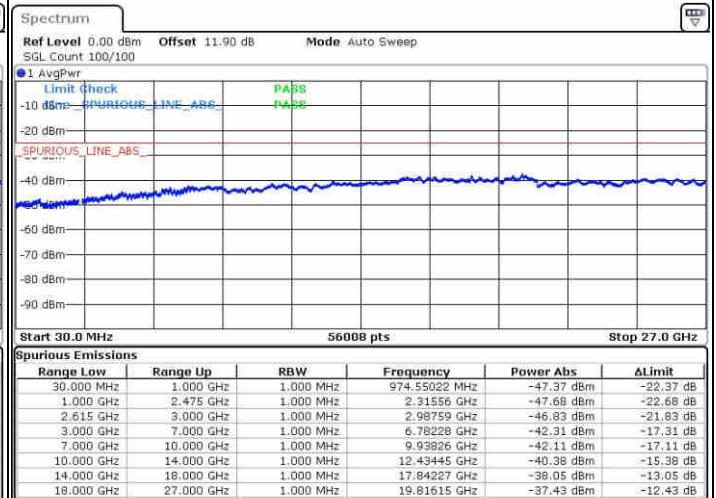
64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



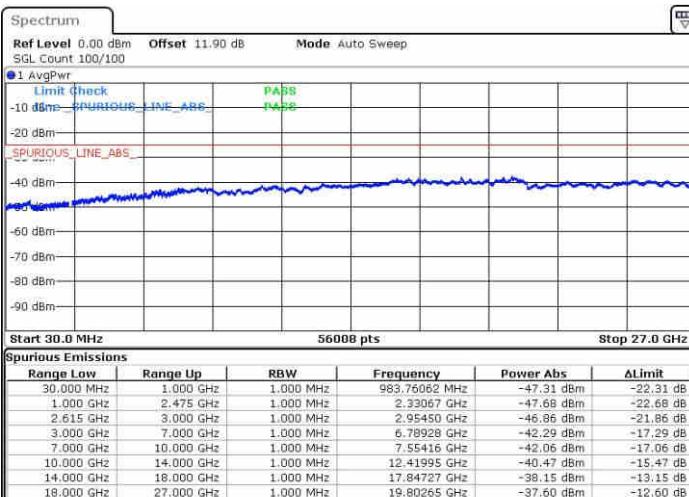
Date: 30 APR 2019 06:49:57



Date: 30 APR 2019 06:57:07

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 06:48:30

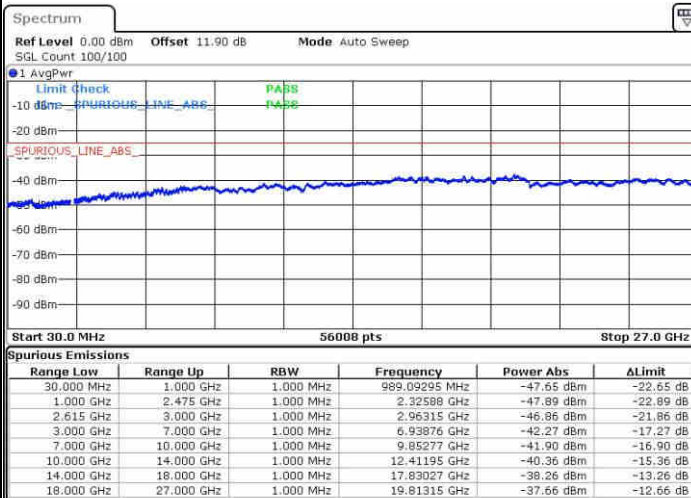


LTE Band 7 / 10MHz+20MHz

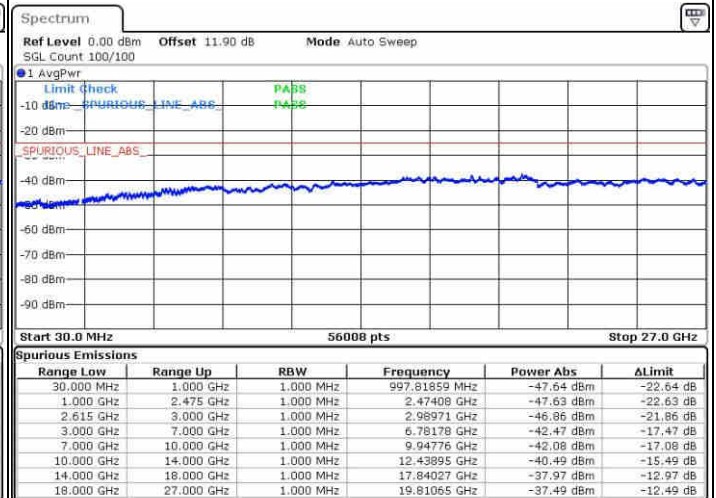
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



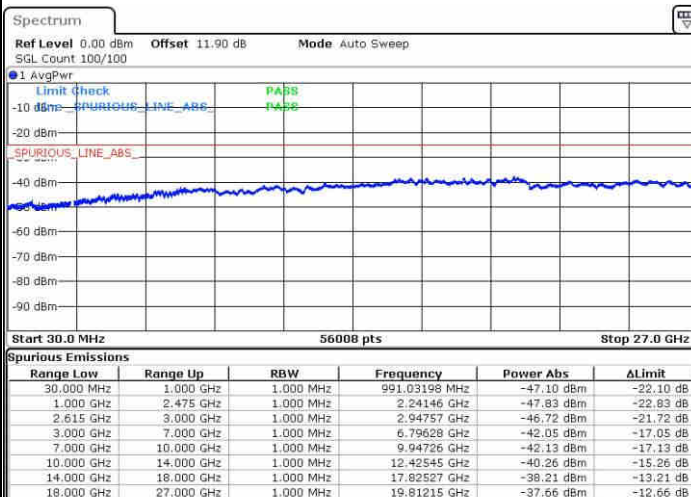
Date: 30 APR 2019 07:20:04



Date: 30 APR 2019 07:18:42

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 07:26:59

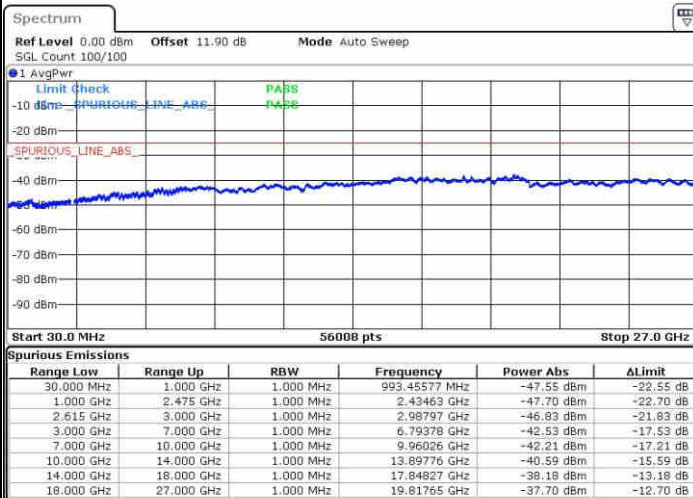


LTE Band 7 / 15MHz+10MHz

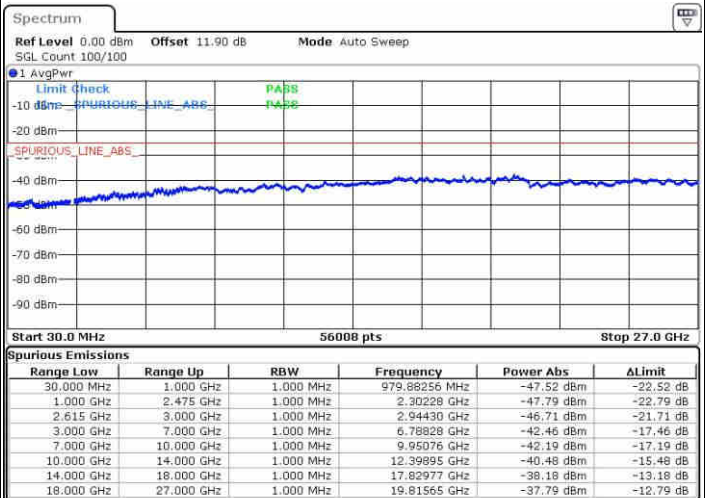
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0



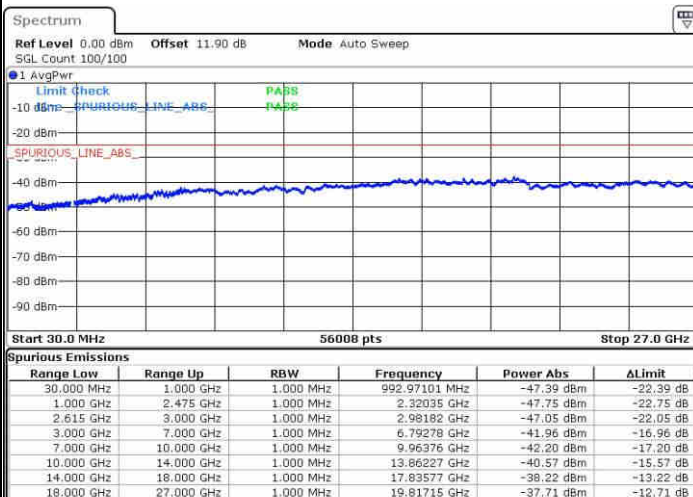
Date: 30 APR 2019 19:35:55



Date: 30 APR 2019 19:31:04

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 19:36:53

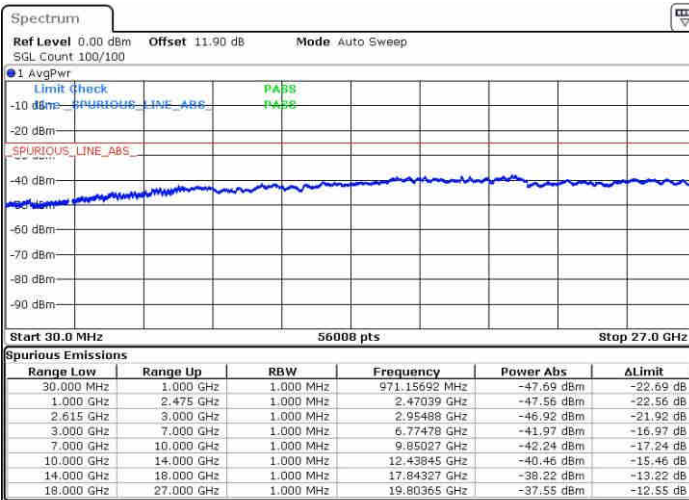


LTE Band 7 / 15MHz+10MHz

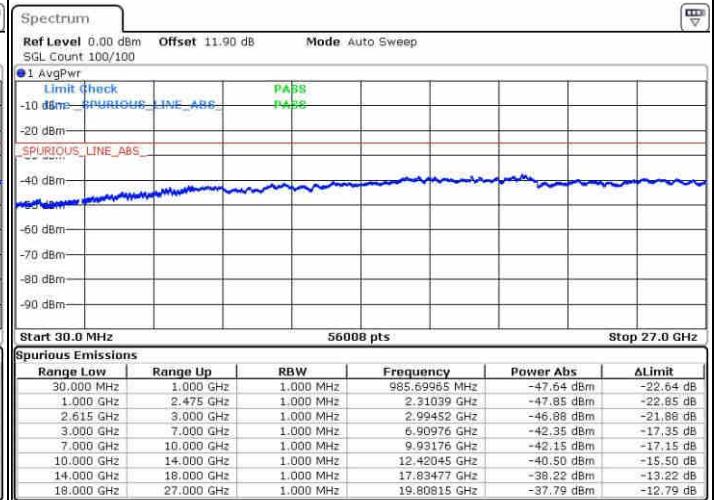
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0



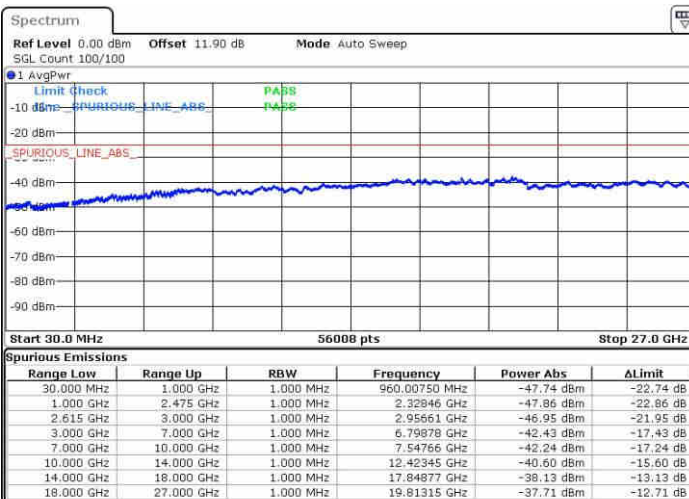
Date: 30 APR 2019 19:49:29



Date: 30 APR 2019 19:54:19

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 19:48:31

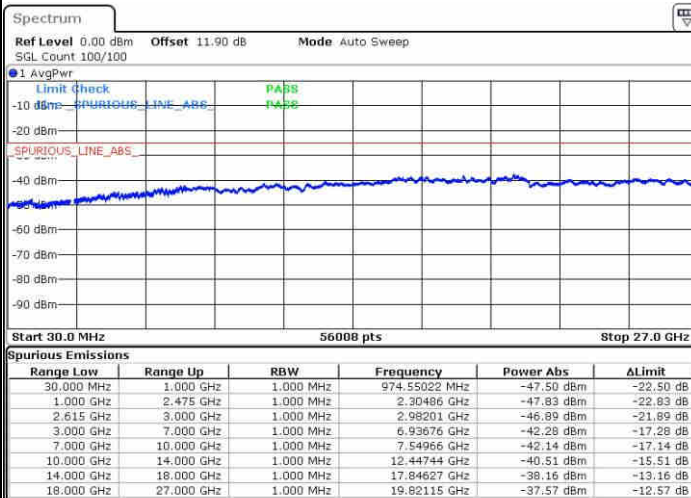


LTE Band 7 / 15MHz+10MHz

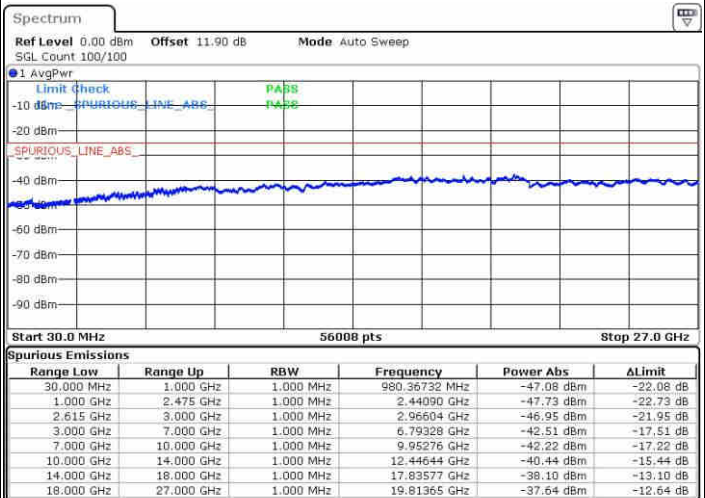
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB74 and 1RB0



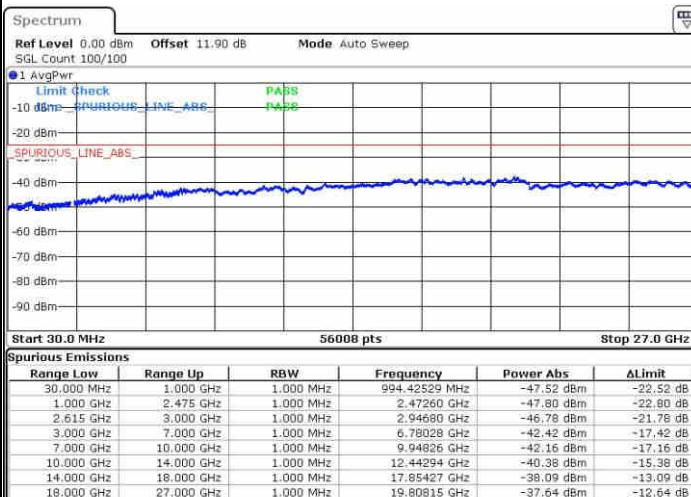
Date: 30 APR 2019 20:44:38



Date: 30 APR 2019 20:43:40

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 20:49:29

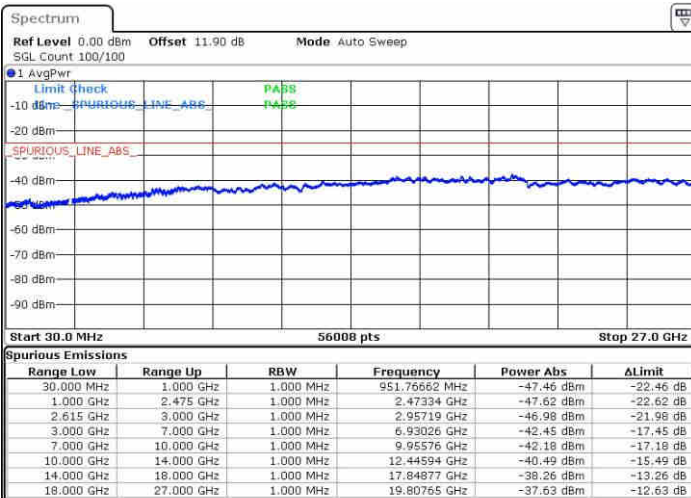


LTE Band 7 / 15MHz+15MHz

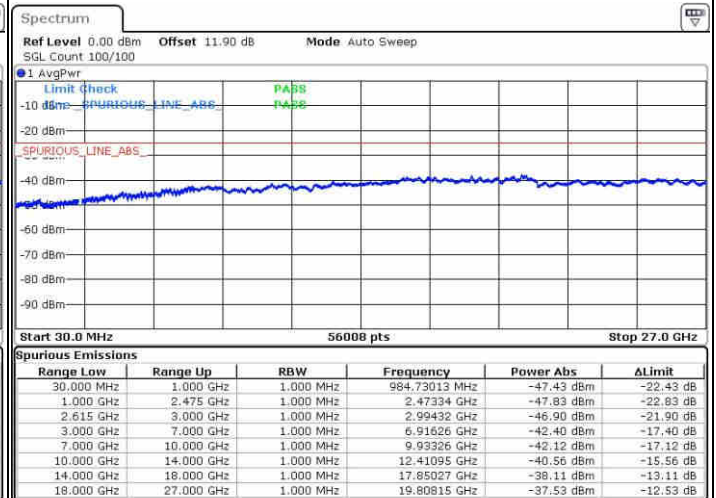
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



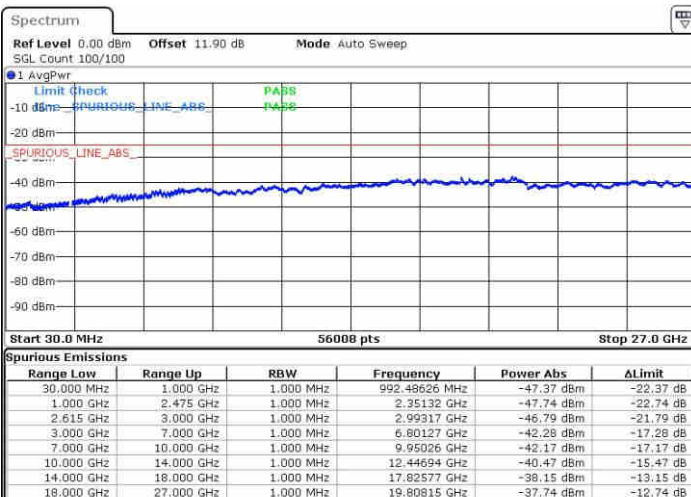
Date: 30 APR 2019 09:55:46



Date: 30 APR 2019 09:50:56

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 09:56:44

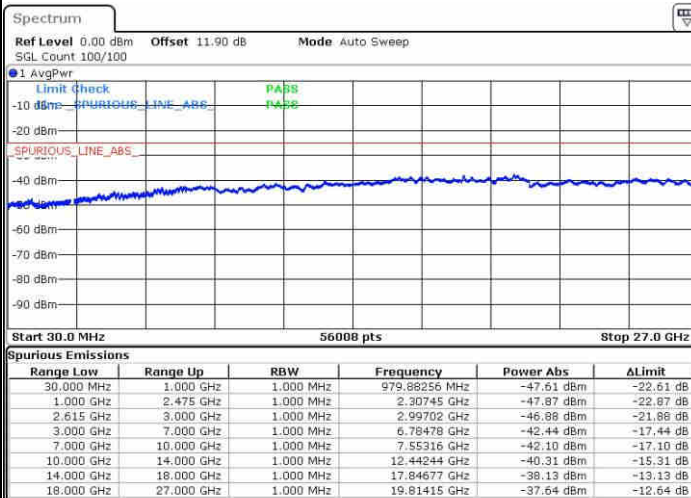


LTE Band 7 / 15MHz+15MHz

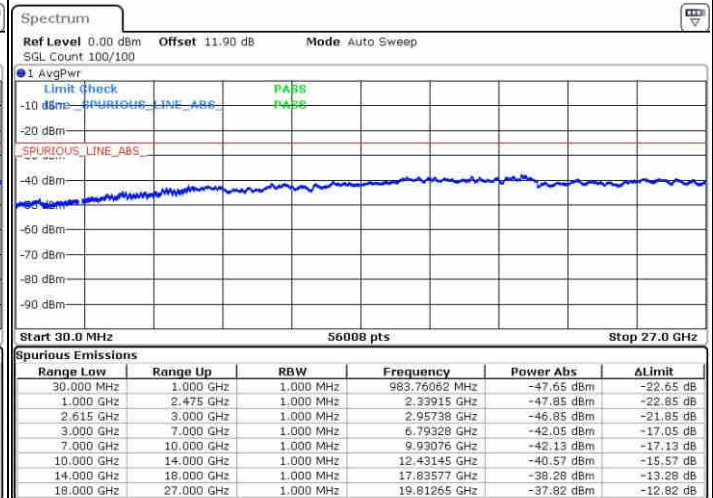
64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



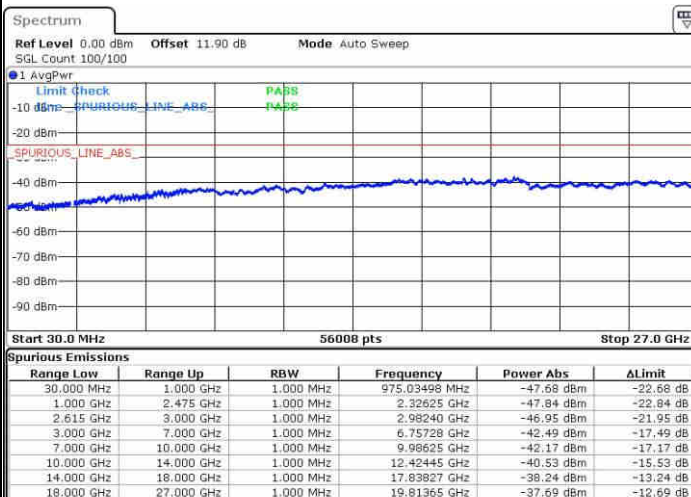
Date: 30 APR 2019 10:10:49



Date: 30 APR 2019 10:15:38

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 10:09:51

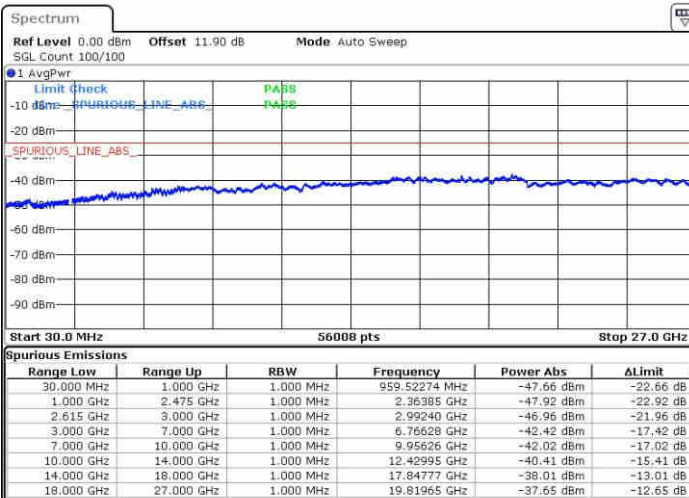


LTE Band 7 / 15MHz+15MHz

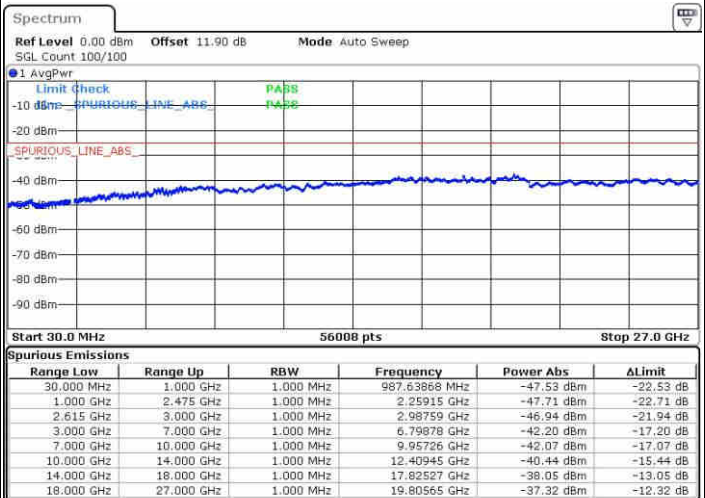
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



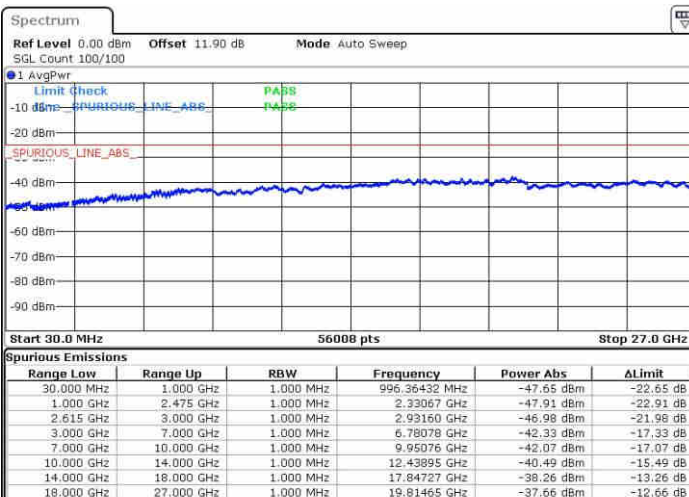
Date: 30 APR 2019 11:33:37



Date: 30 APR 2019 11:32:40

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 11:38:28

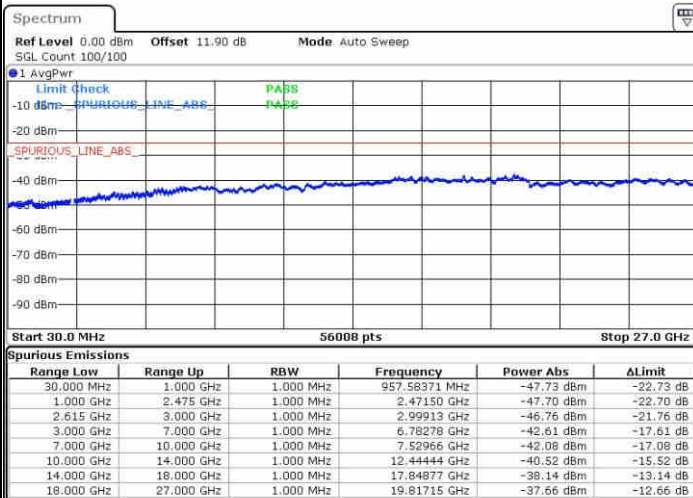


LTE Band 7 / 15MHz+20MHz

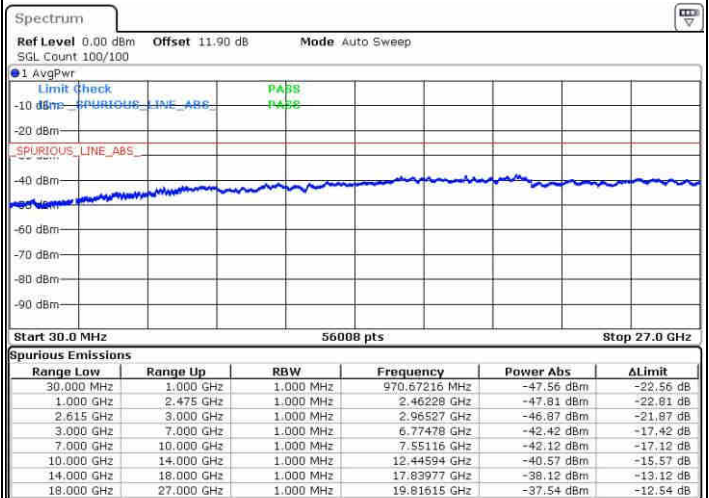
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



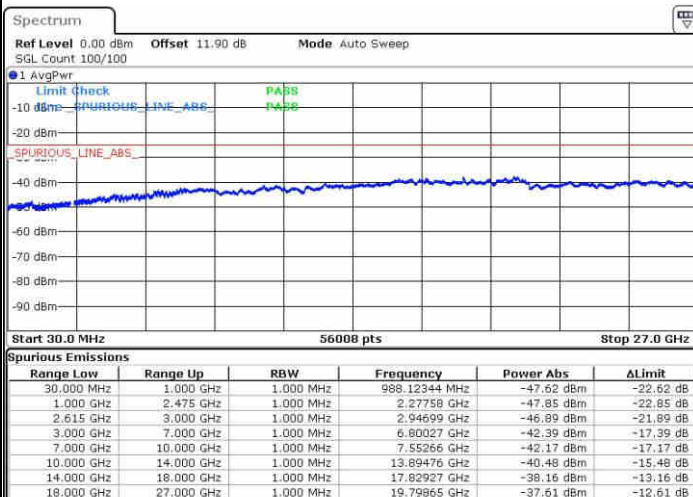
Date: 30 APR 2019 14:00:22



Date: 30 APR 2019 13:55:32

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 14:01:20

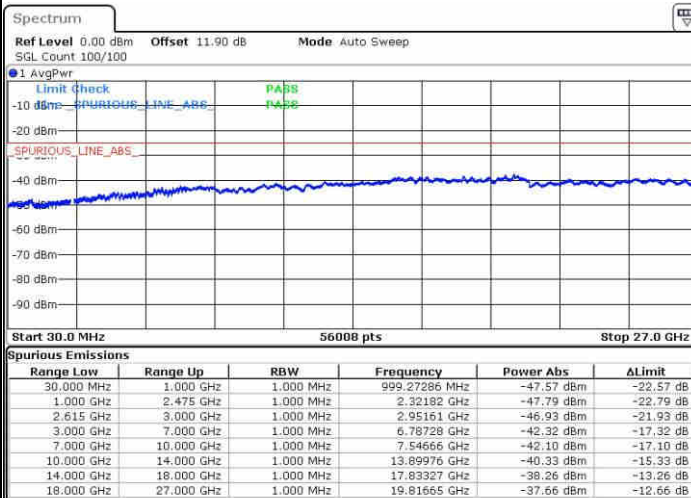


LTE Band 7 / 15MHz+20MHz

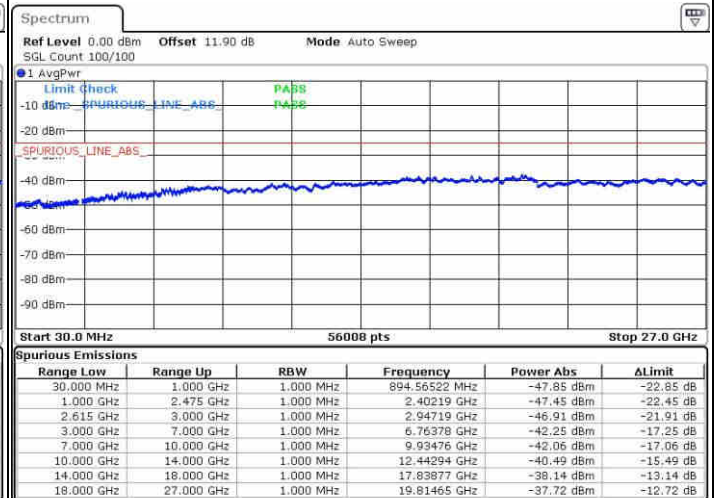
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



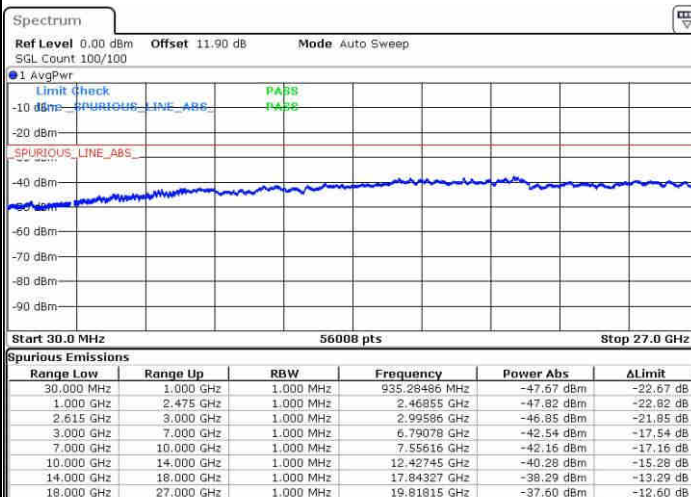
Date: 30 APR 2019 14:12:44



Date: 30 APR 2019 14:17:34

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 14:11:46

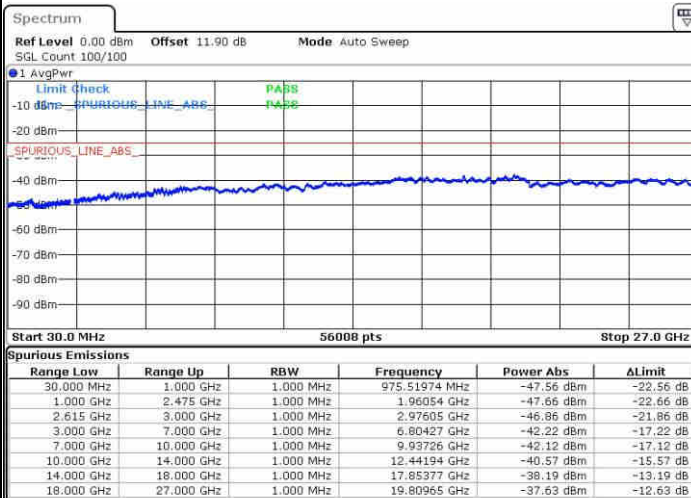


LTE Band 7 / 15MHz+20MHz

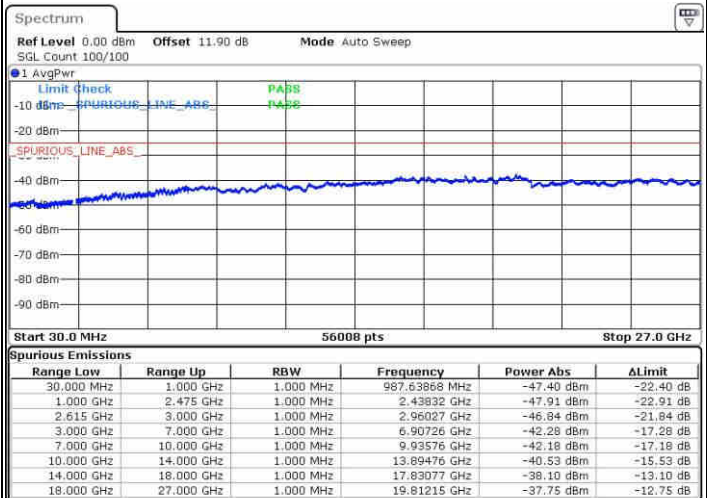
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



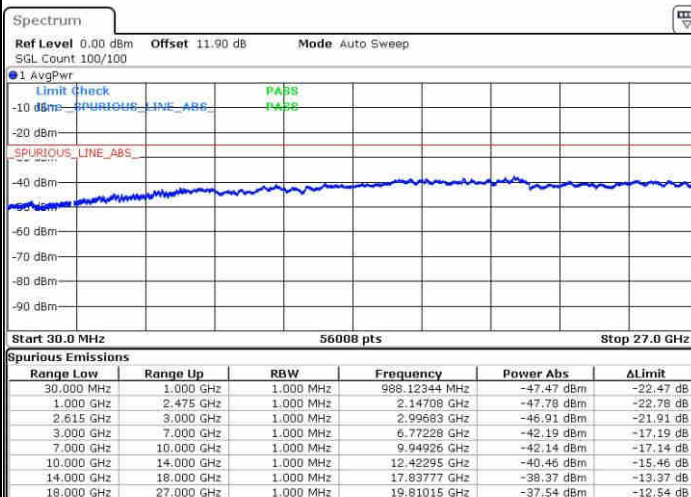
Date: 30 APR 2019 16:59:48



Date: 30 APR 2019 16:58:50

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 17:04:38

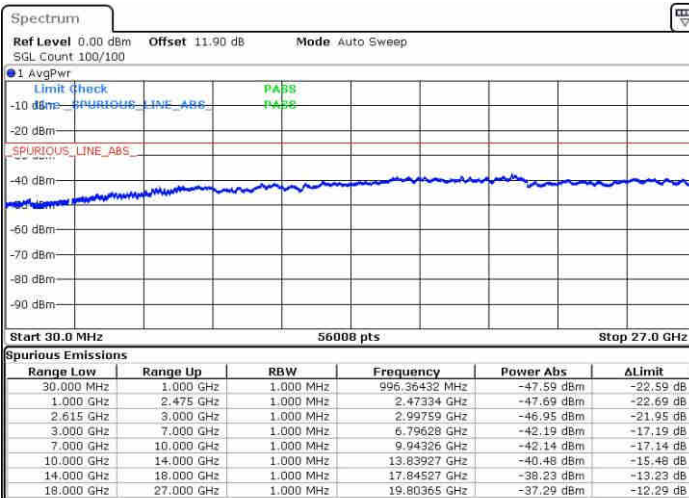


LTE Band 7 / 20MHz+10MHz

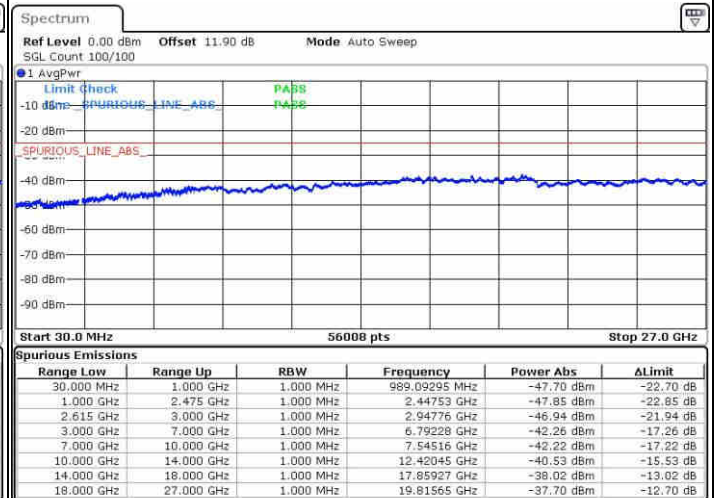
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



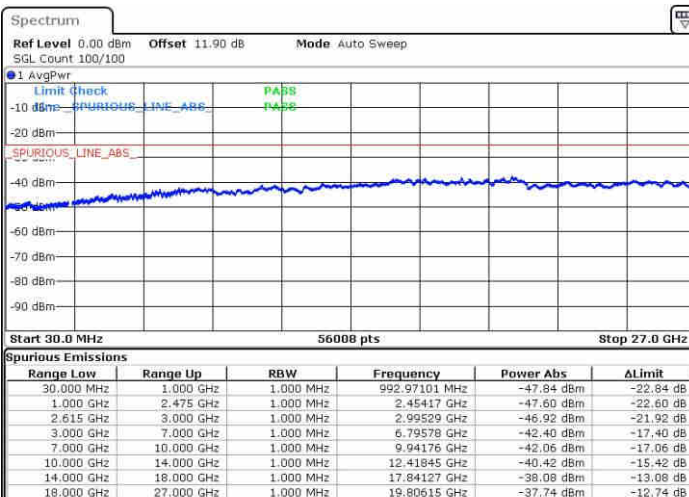
Date: 30 APR 2019 07:55:57



Date: 30 APR 2019 07:49:03

Lowest Channel / FullIRB

N/A



Date: 30 APR 2019 07:57:20

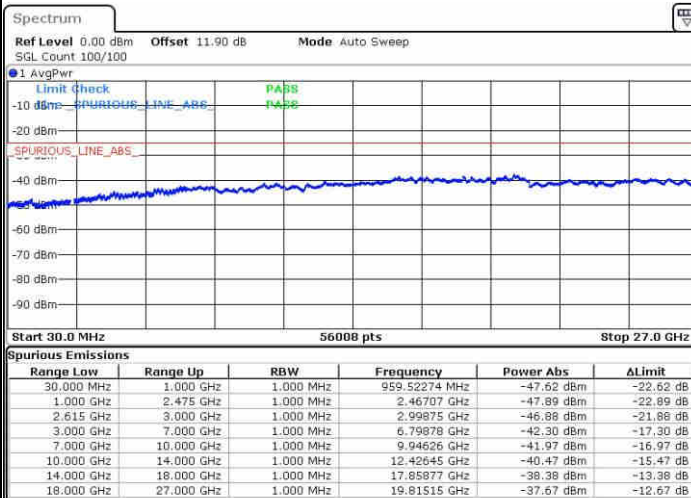


LTE Band 7 / 20MHz+10MHz

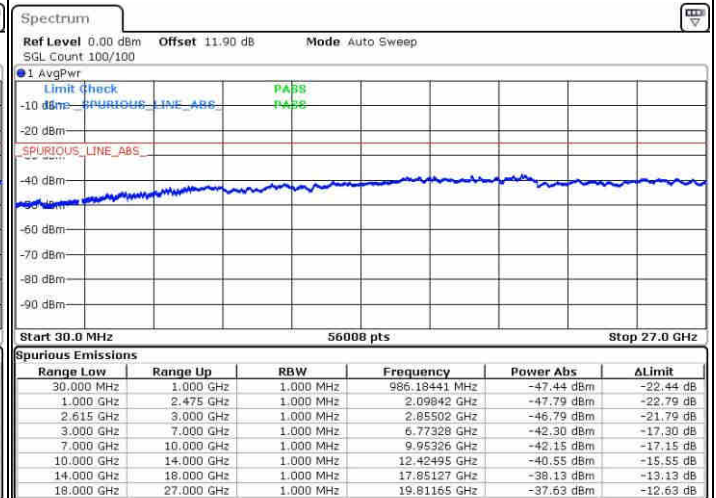
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



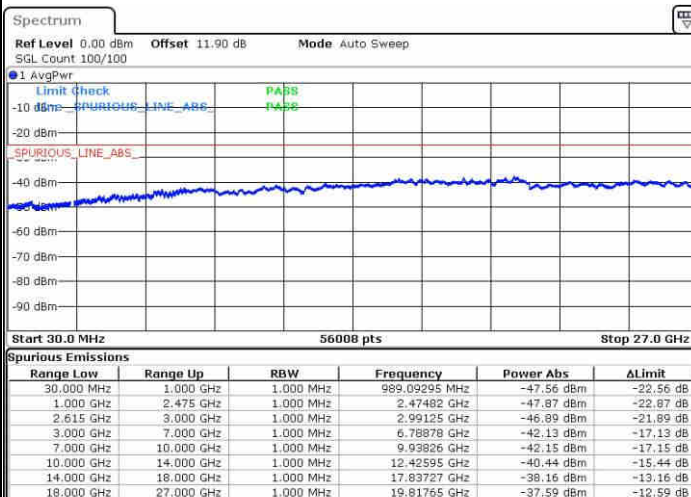
Date: 30 APR 2019 08:13:20



Date: 30 APR 2019 08:20:15

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 08:11:57

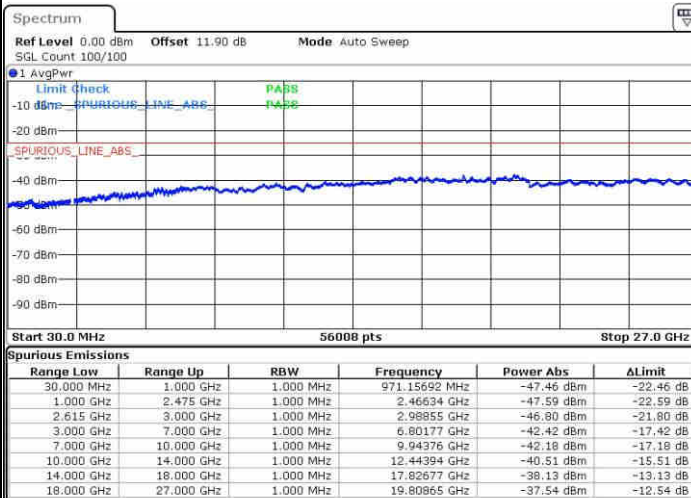


LTE Band 7 / 20MHz+10MHz

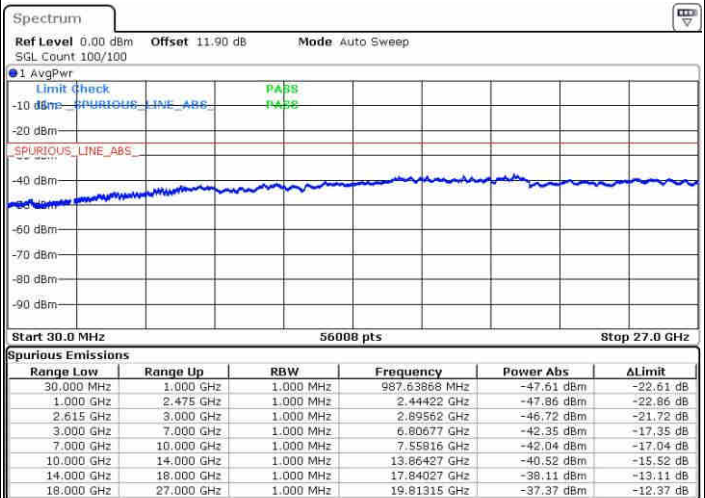
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



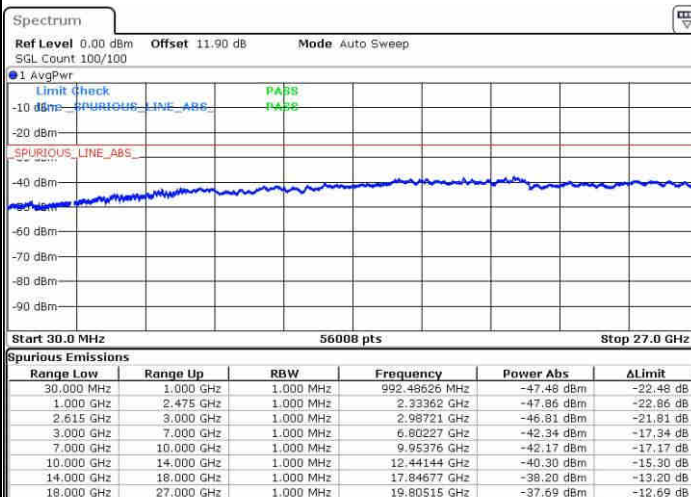
Date: 30 APR 2019 11:58:32



Date: 30 APR 2019 11:57:34

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 12:03:22

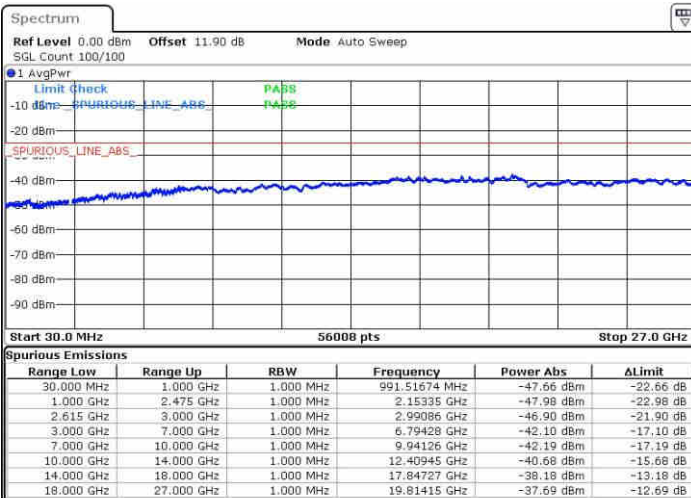


LTE Band 7 / 20MHz+15MHz

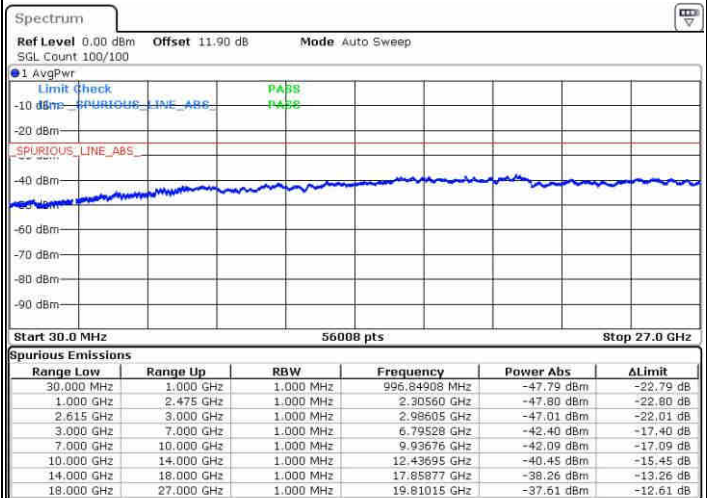
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



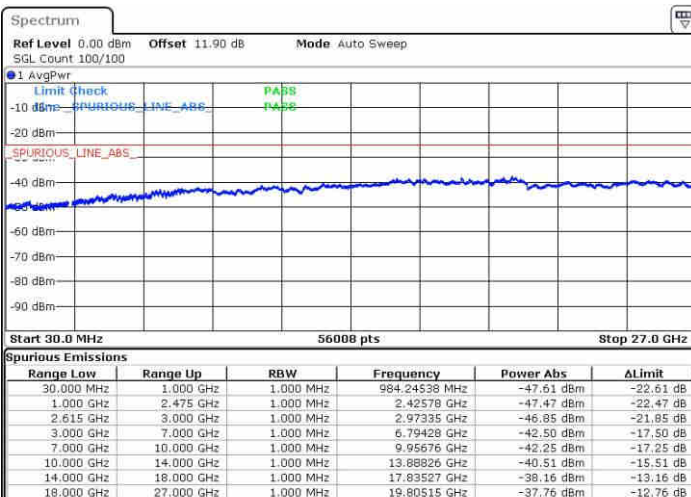
Date: 30 APR 2019 15:47:47



Date: 30 APR 2019 15:42:57

Lowest Channel / FullRB

N/A



Date: 30 APR 2019 15:48:45

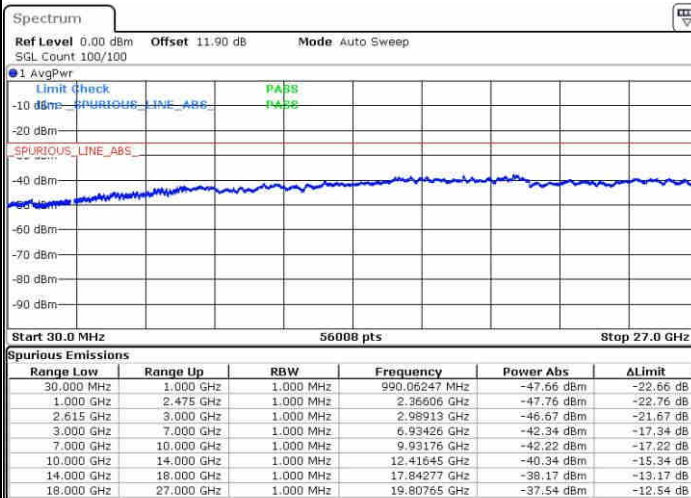


LTE Band 7 / 20MHz+15MHz

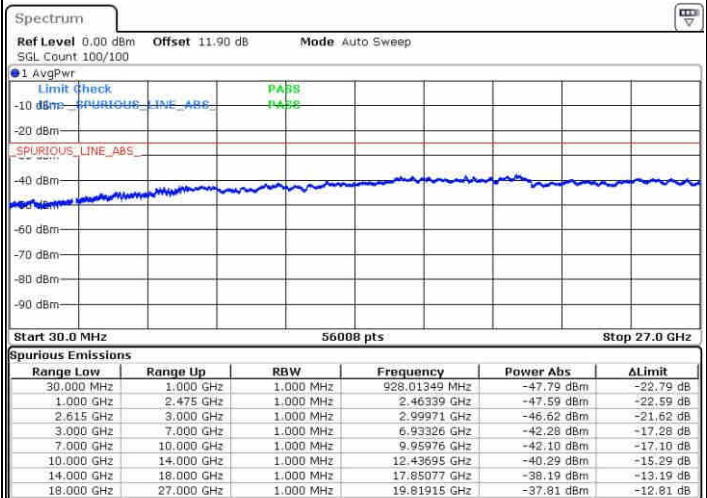
64QAM

MiddleChannel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



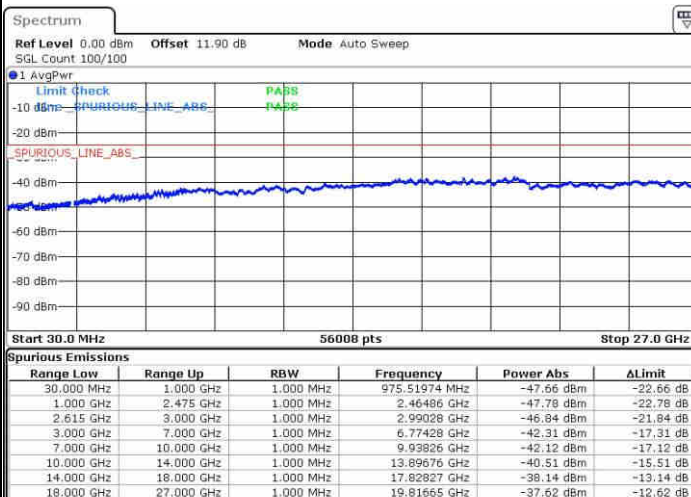
Date: 30 APR 2019 16:02:08



Date: 30 APR 2019 16:06:57

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 16:01:09

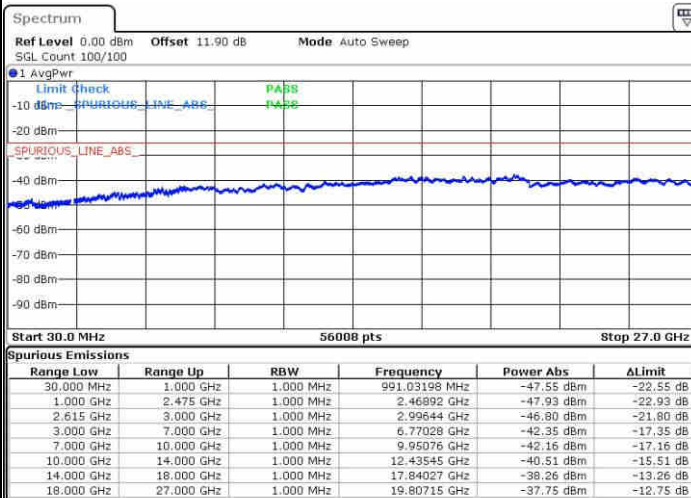


LTE Band 7 / 20MHz+15MHz

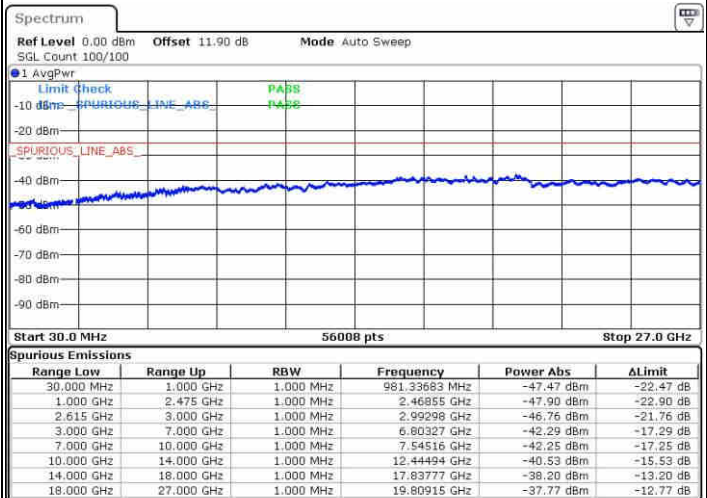
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



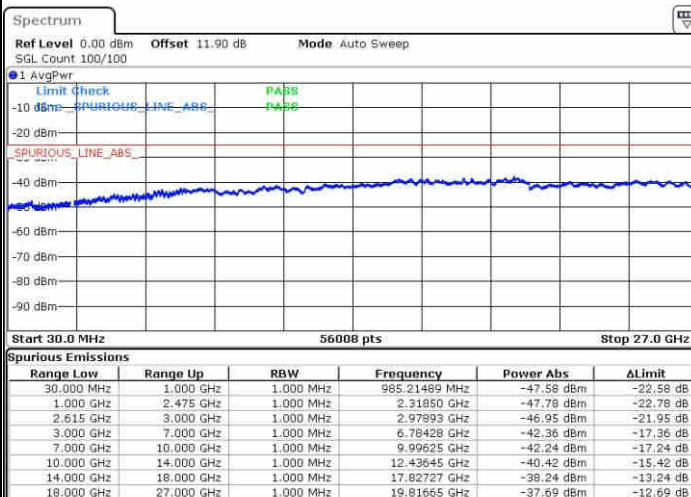
Date: 30 APR 2019 16:30:49



Date: 30 APR 2019 16:29:52

Highest Channel / FullIRB

N/A



Date: 30 APR 2019 16:35:39

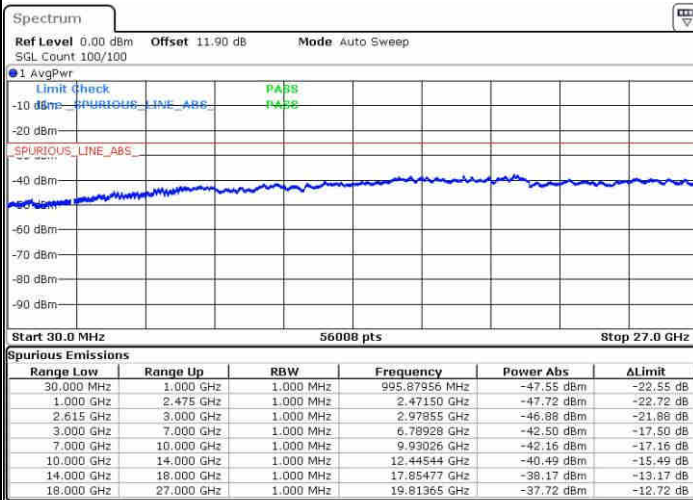


LTE Band 7 / 20MHz+20MHz

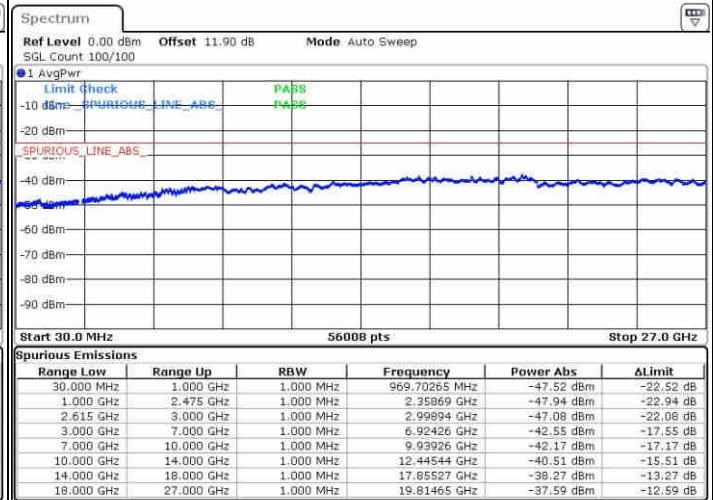
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



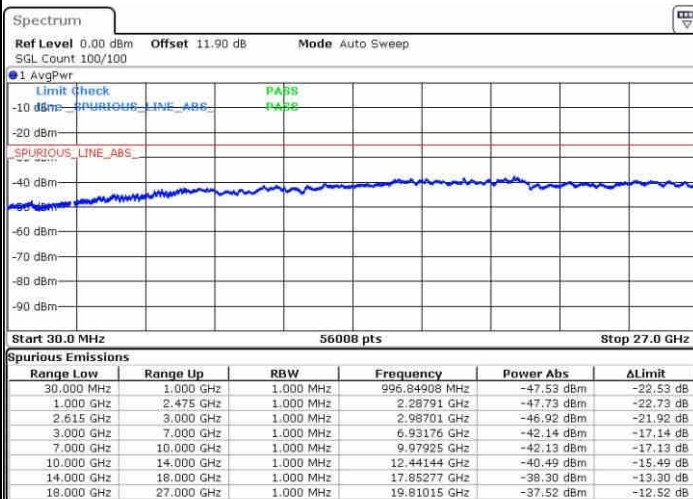
Date: 30 APR 2019 17:21:13



Date: 30 APR 2019 17:16:23

Lowest Channel / FullRB

N/A



Date: 30 APR 2019 17:22:11

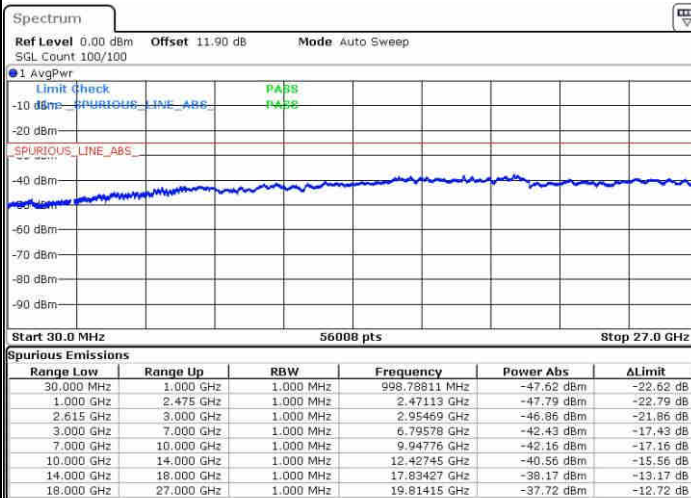


LTE Band 7 / 20MHz+20MHz

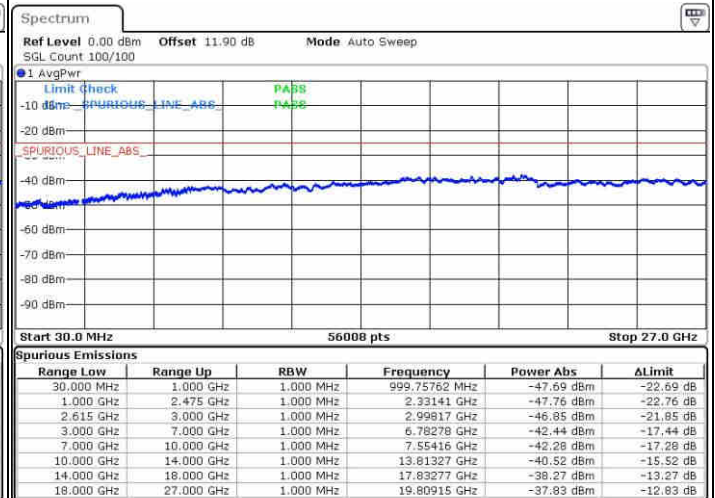
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



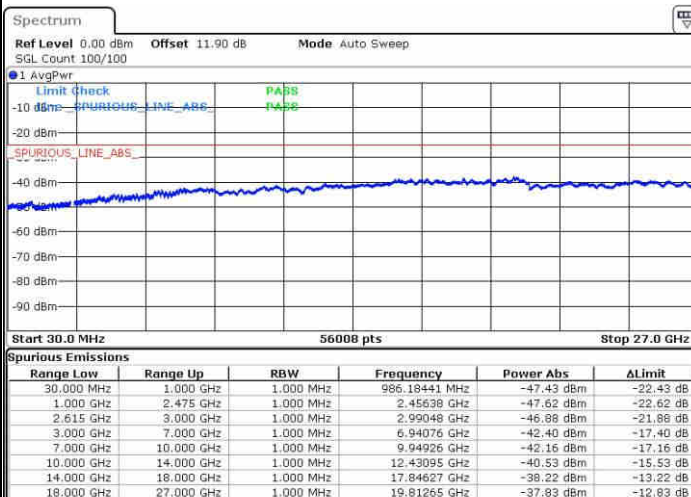
Date: 30 APR 2019 18:44:19



Date: 30 APR 2019 18:49:10

Middle Channel / FullIRB

N/A



Date: 30 APR 2019 18:43:21

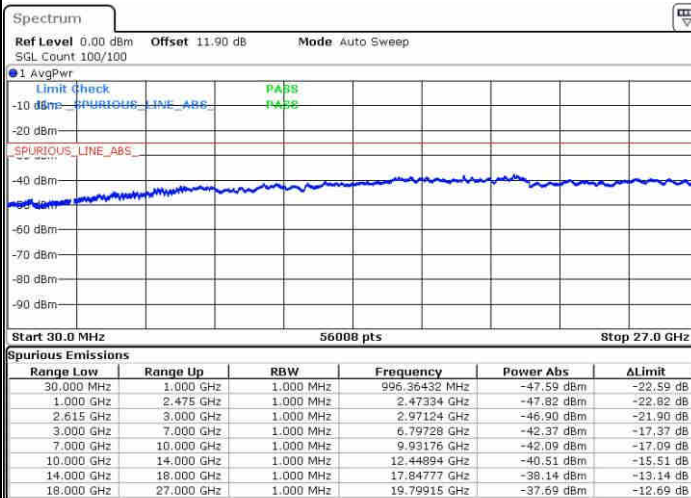


LTE Band 7 / 20MHz+20MHz

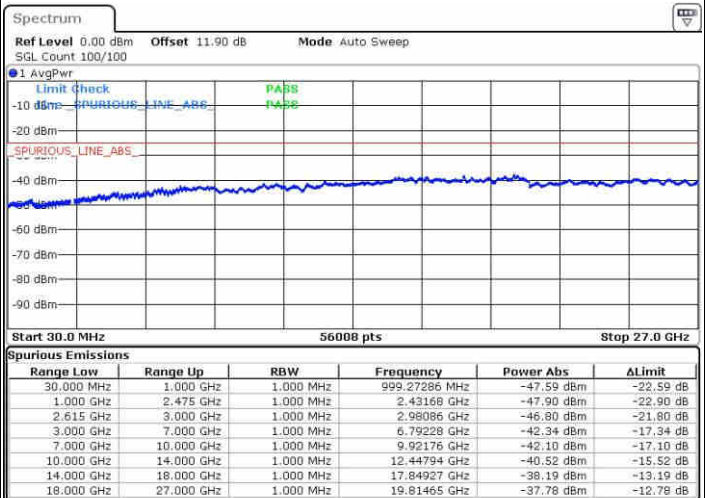
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



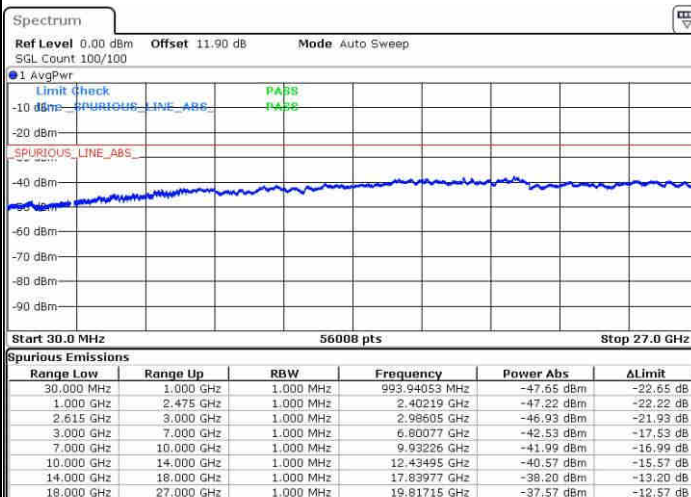
Date: 30 APR 2019 19:14:38



Date: 30 APR 2019 19:13:41

Highest Channel / FullIRB

N/A

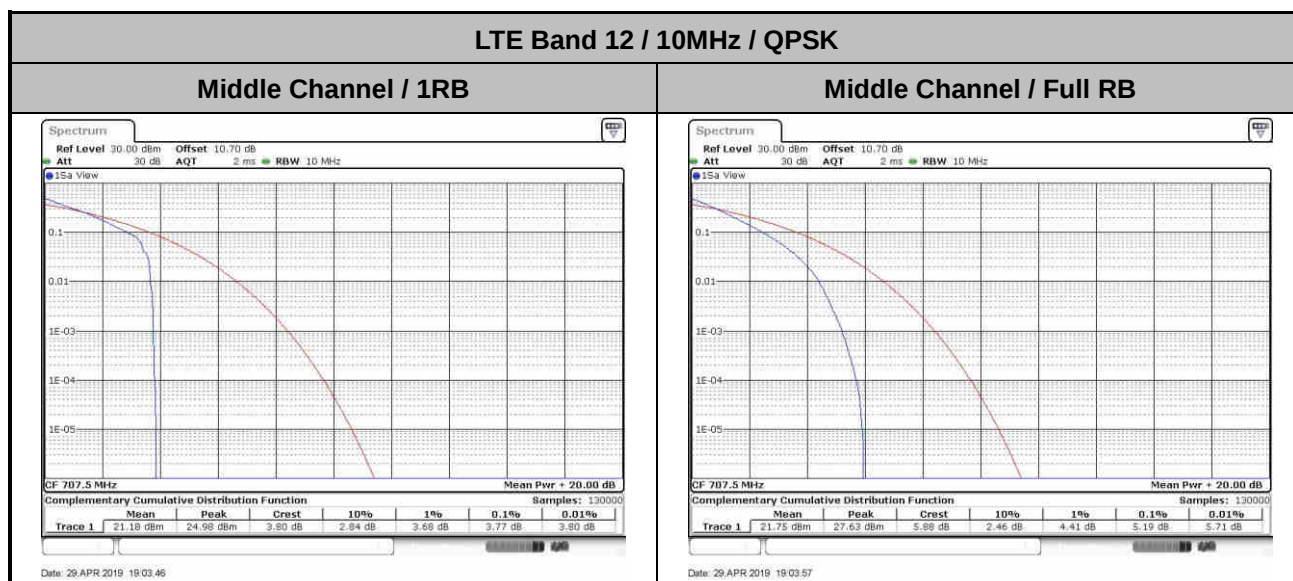


Date: 30 APR 2019 19:19:33

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	3.68	5.07	4.29	5.86	PASS
Middle CH	3.77	5.19	4.43	6.03	
Highest CH	3.68	5.07	4.46	6.03	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.38	-	-	PASS
Middle CH	5.42	6.58	-	-	
Highest CH	5.19	6.64	-	-	





LTE Band 12 / 10MHz / 16QAM

Middle Channel / 1RB



Middle Channel / Full RB



LTE Band 12 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB



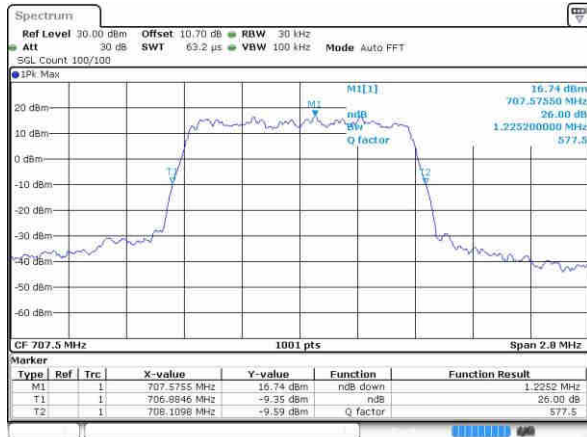
**26dB Bandwidth**

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	1.23	1.23	3.00	3.05	4.98	4.84	9.85	9.77	-	-	-	-
Middle CH	1.23	1.23	2.98	3.02	4.97	4.93	9.89	9.79	-	-	-	-
Highest CH	1.23	1.23	3.01	3.04	4.96	4.89	9.85	9.71	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	2.97	-	4.92	-	9.77	-	-	-	-	-
Middle CH	1.22	-	2.97	-	4.92	-	9.85	-	-	-	-	-
Highest CH	1.23	-	2.98	-	4.88	-	9.81	-	-	-	-	-



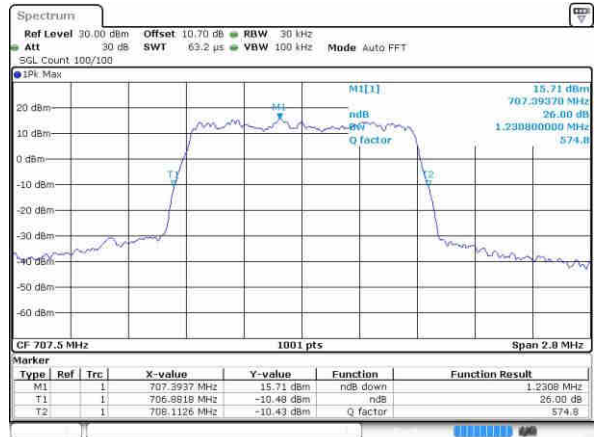
LTE Band 12

Middle Channel / 1.4MHz / QPSK



Date: 29 APR 2019 17:06:58

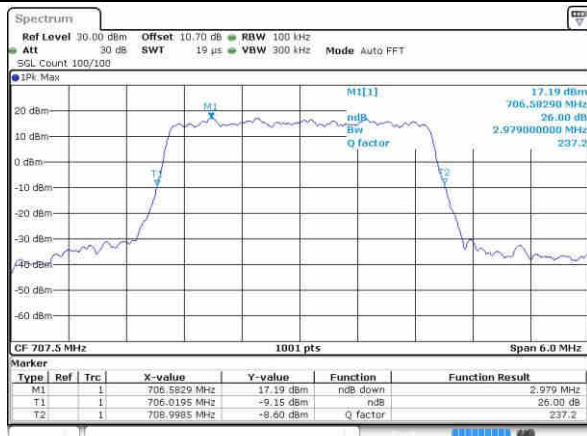
Middle Channel / 1.4MHz / 16QAM



Date: 29 APR 2019 17:07:10

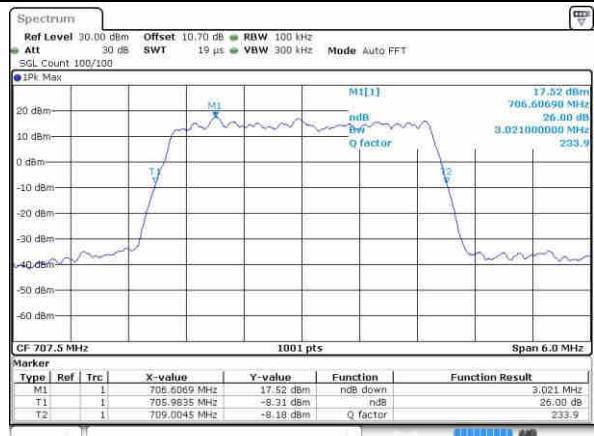
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 29 APR 2019 17:28:12

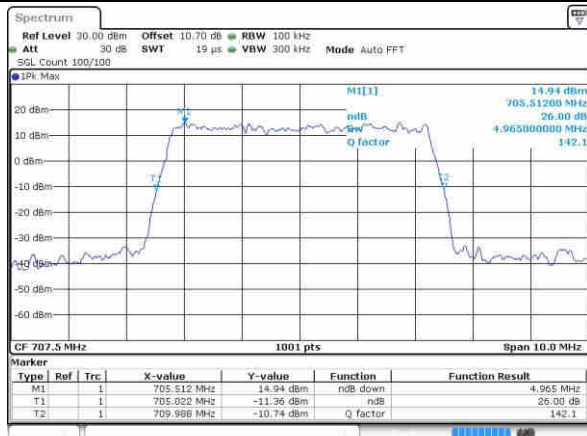
Middle Channel / 3MHz / 16QAM



Date: 29 APR 2019 17:28:23

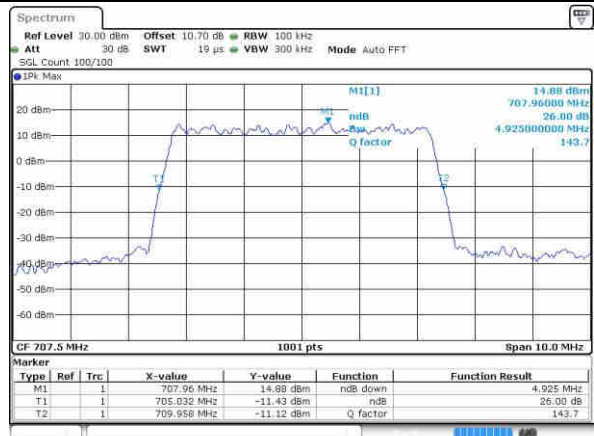
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 29 APR 2019 17:58:30

Middle Channel / 5MHz / 16QAM

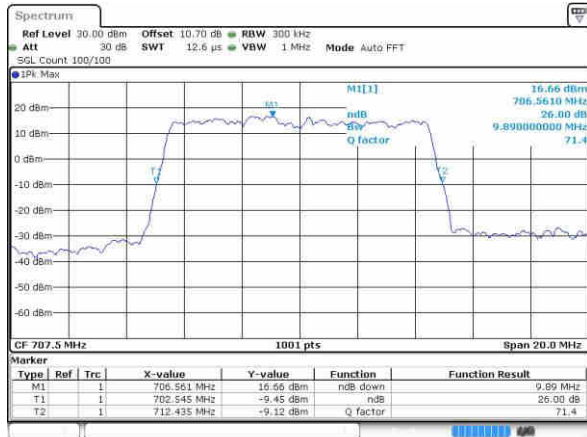


Date: 29 APR 2019 17:58:41



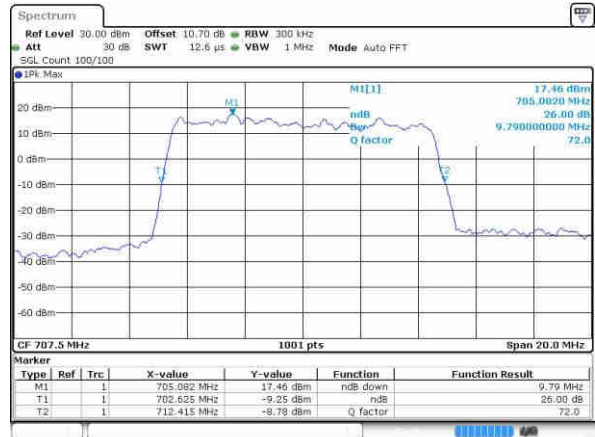
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29 APR 2019 18:43:04

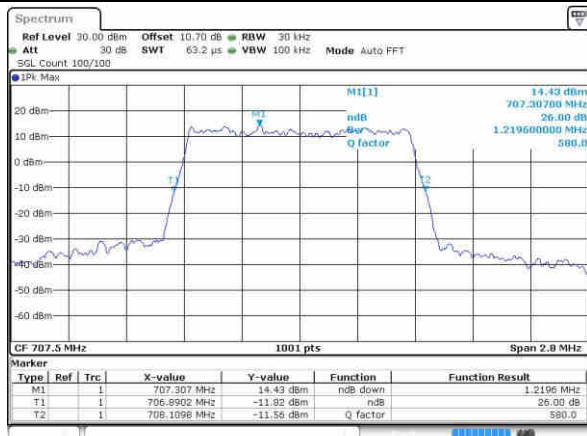
Middle Channel / 10MHz / 16QAM



Date: 29 APR 2019 18:43:16

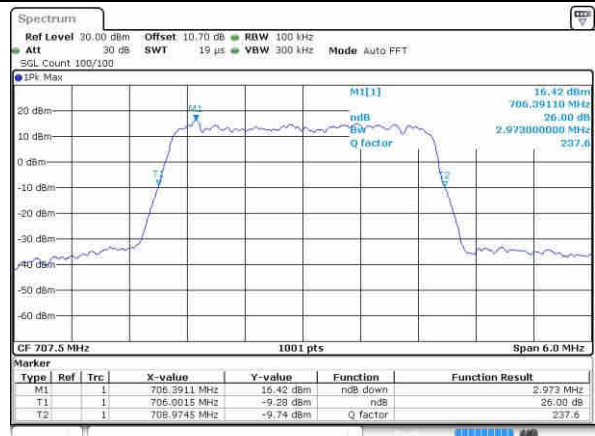
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



Date: 29 APR 2019 17:17:52

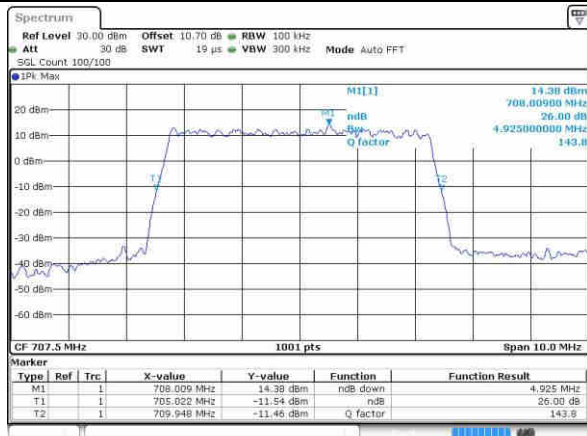
Middle Channel / 3MHz / 64QAM



Date: 29 APR 2019 17:39:06

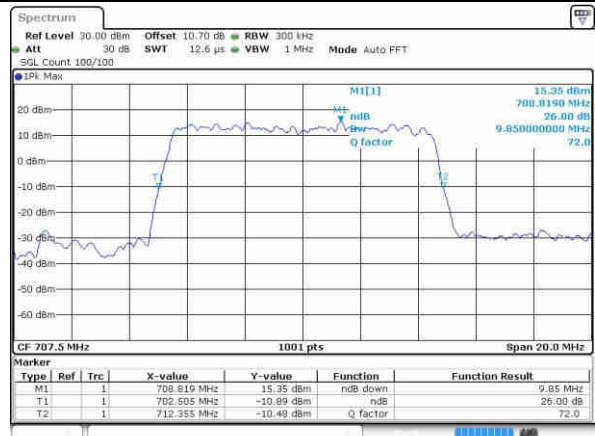
LTE Band 12

Middle Channel / 5MHz / 64QAM



Date: 29 APR 2019 17:46:10

Middle Channel / 10MHz / 64QAM



Date: 29 APR 2019 18:53:59

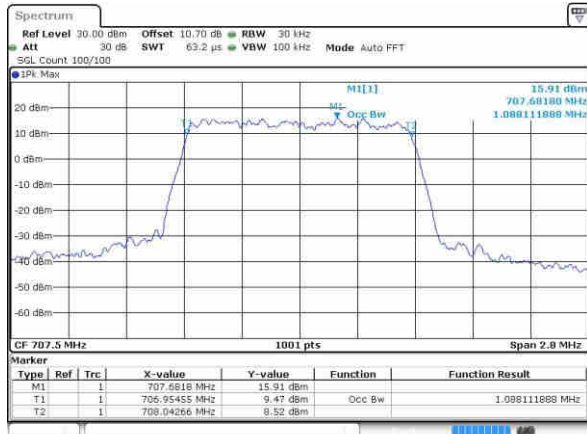
**Occupied Bandwidth**

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.49	4.47	8.99	8.99	-	-	-	-
Middle CH	1.09	1.09	2.71	2.72	4.49	4.5	9.05	9.01	-	-	-	-
Highest CH	1.09	1.08	2.72	2.71	4.48	4.49	9.05	9.01	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.50	-	9.03	-	-	-	-	-
Middle CH	1.09	-	2.73	-	4.48	-	9.09	-	-	-	-	-
Highest CH	1.09	-	2.71	-	4.50	-	9.03	-	-	-	-	-

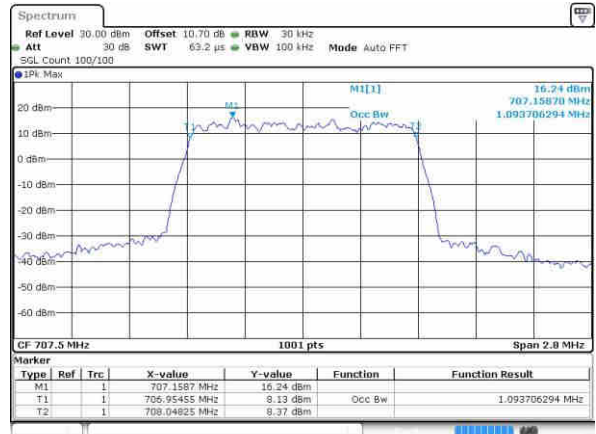


LTE Band 12

Middle Channel / 1.4MHz / QPSK

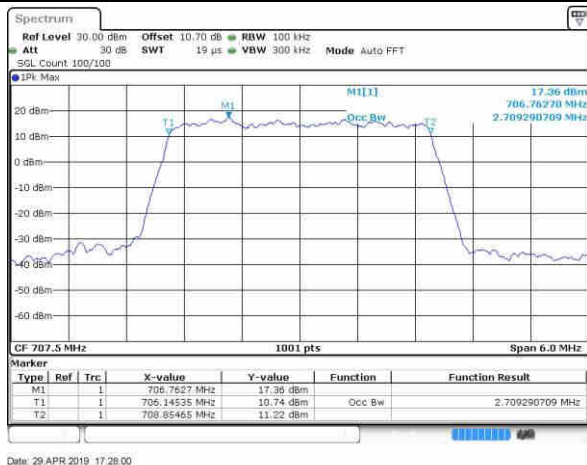


Middle Channel / 1.4MHz / 16QAM

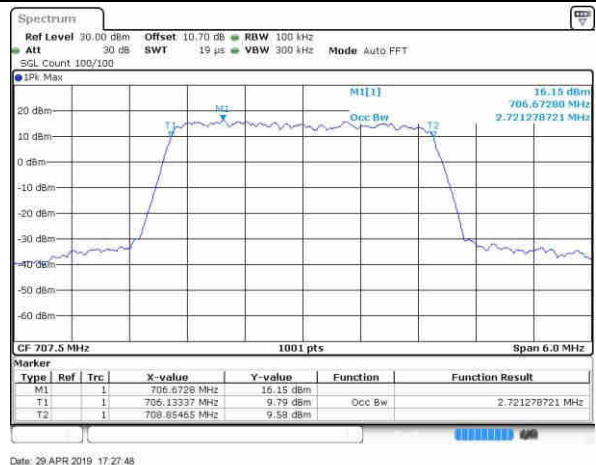


LTE Band 12

Middle Channel / 3MHz / QPSK

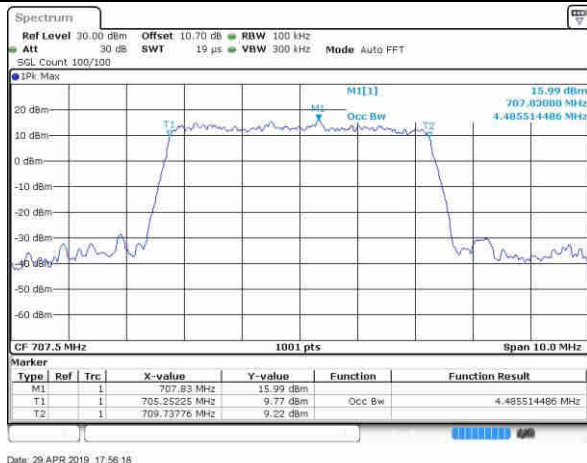


Middle Channel / 3MHz / 16QAM

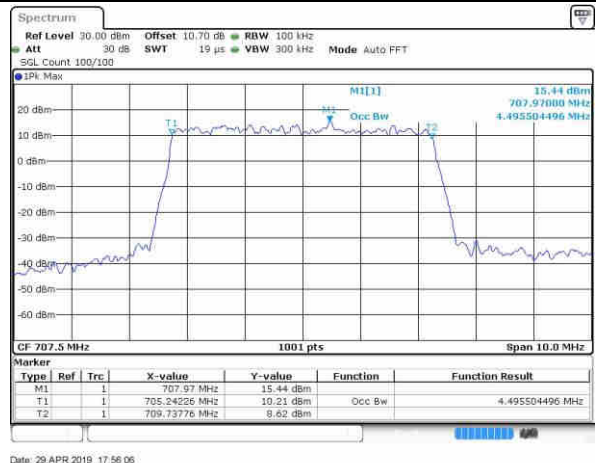


LTE Band 12

Middle Channel / 5MHz / QPSK



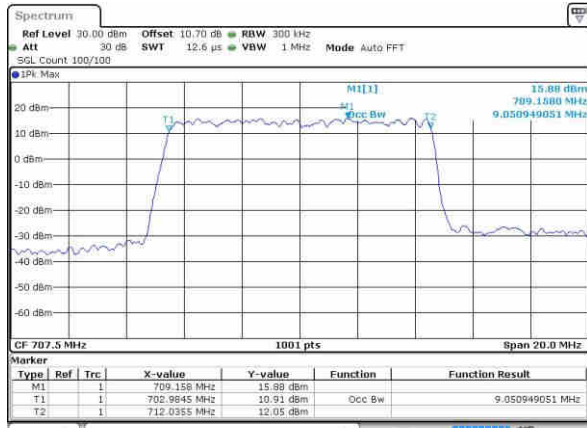
Middle Channel / 5MHz / 16QAM





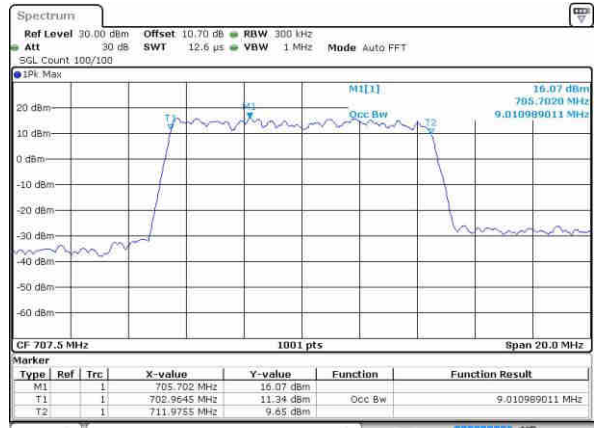
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29 APR 2019 18:42:52

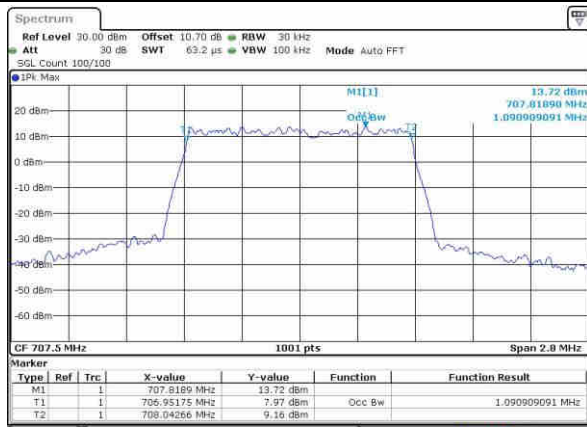
Middle Channel / 10MHz / 16QAM



Date: 29 APR 2019 18:42:41

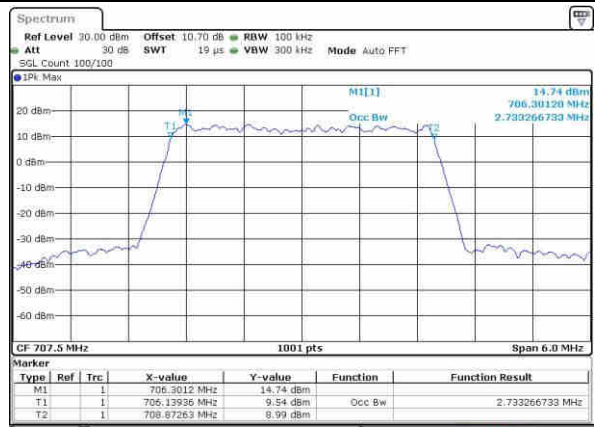
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



Date: 29 APR 2019 17:17:41

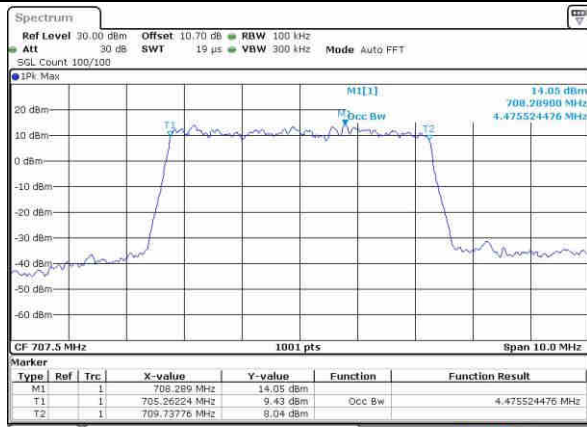
Middle Channel / 3MHz / 64QAM



Date: 29 APR 2019 17:38:54

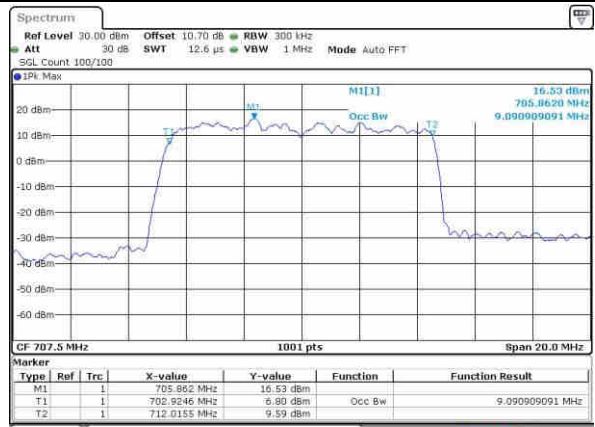
LTE Band 12

Middle Channel / 5MHz / 64QAM

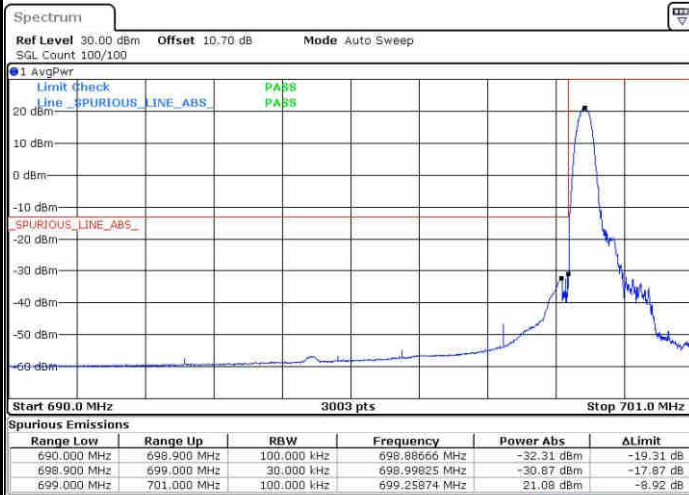
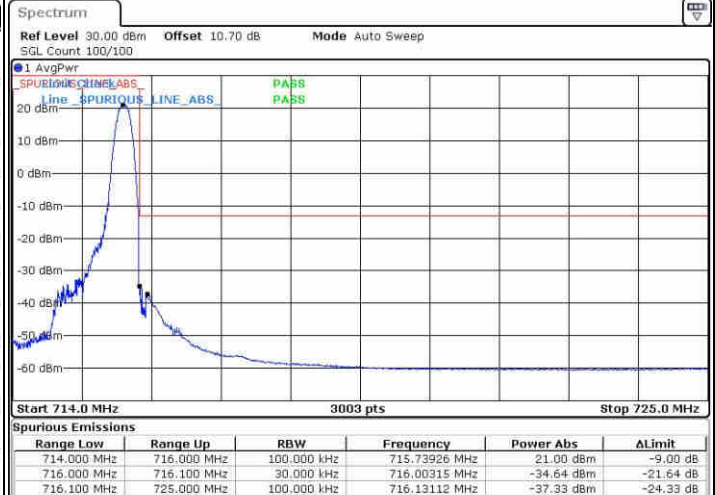


Date: 29 APR 2019 17:45:58

Middle Channel / 10MHz / 64QAM



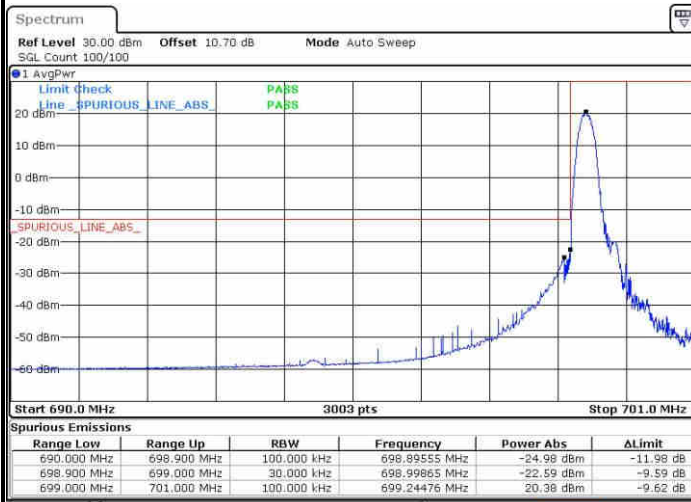
Date: 29 APR 2019 18:53:47

**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



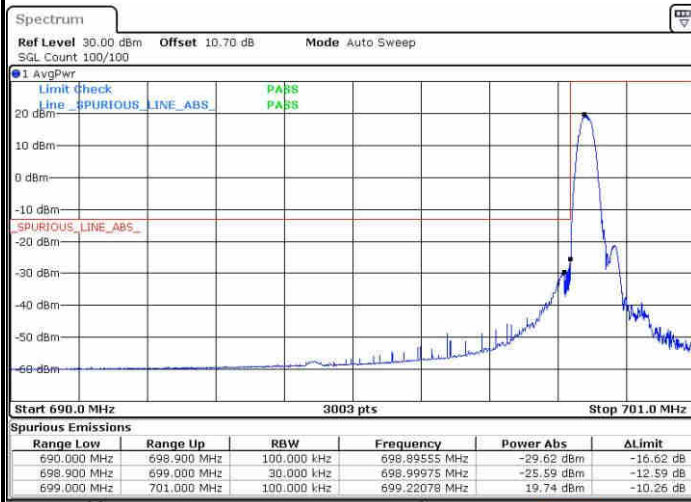
Highest Band Edge / Full RB



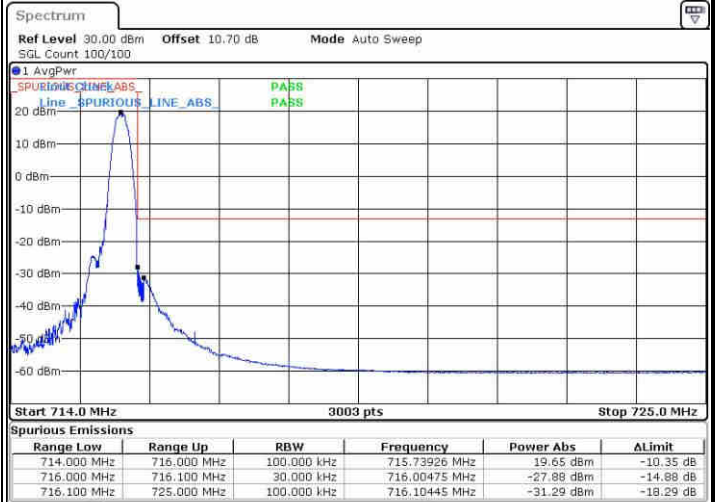


LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



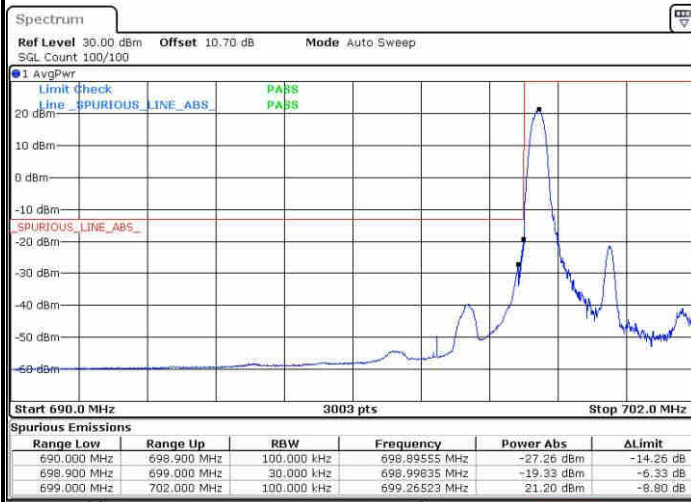
Highest Band Edge / Full RB



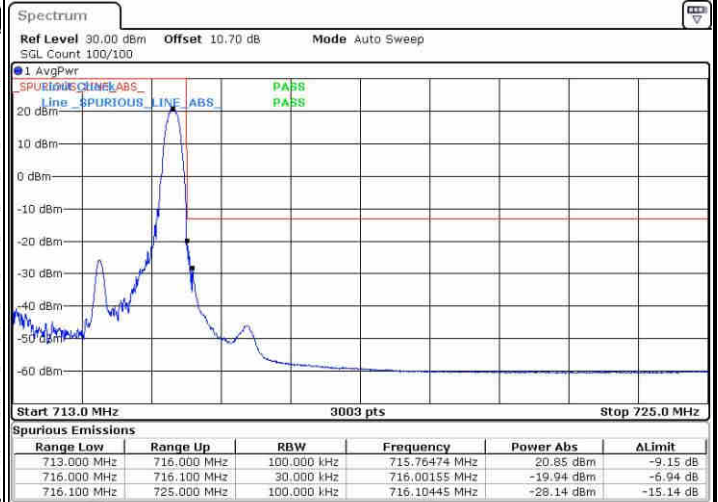


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



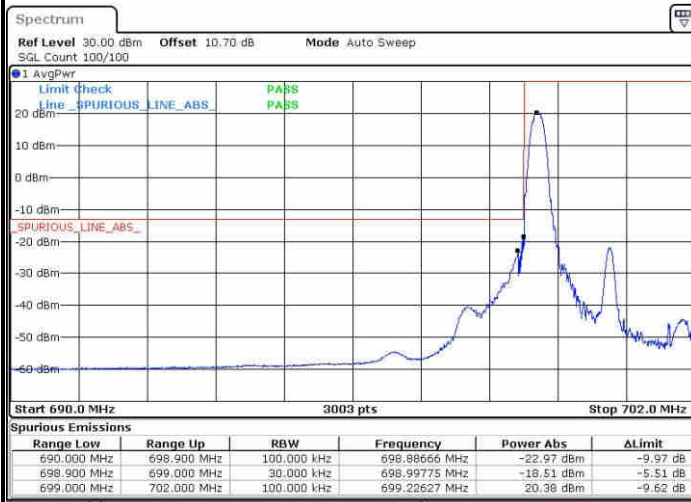
Highest Band Edge / Full RB



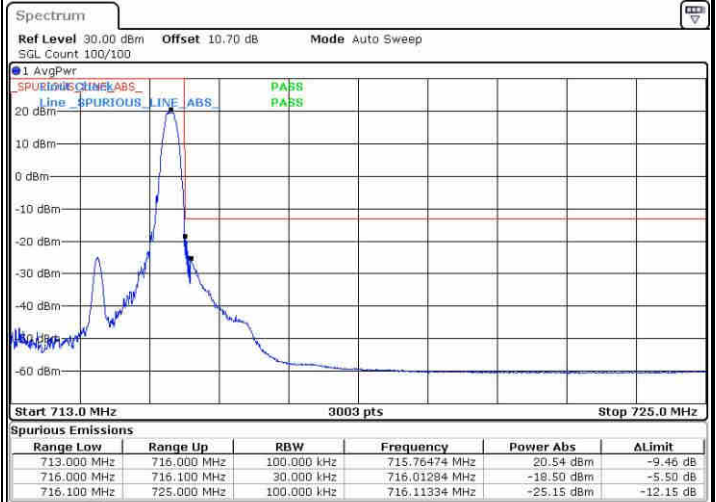


LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

