

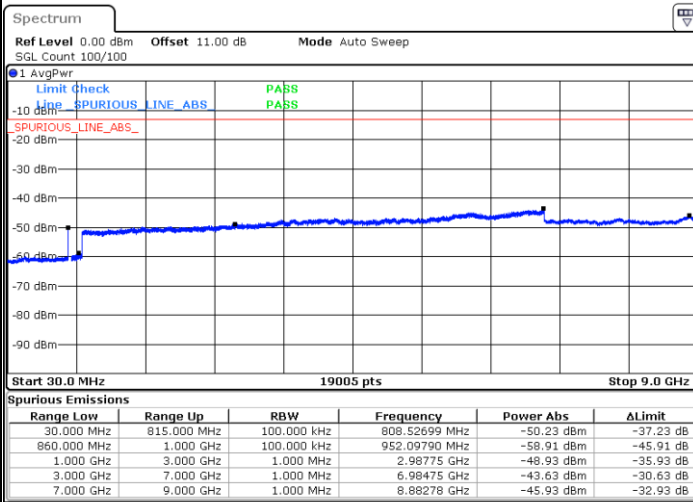


LTE Band 5B / 10MHz+10MHz

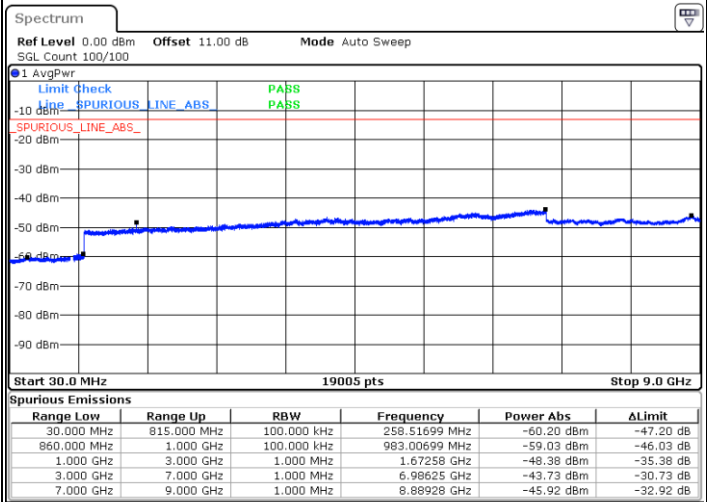
16QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



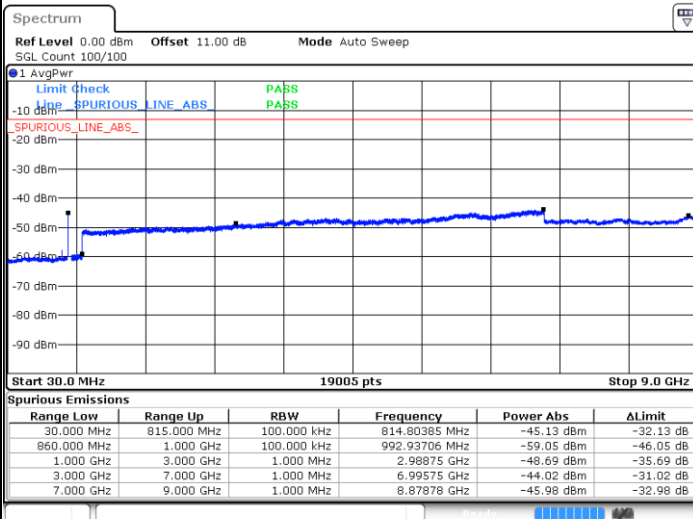
Date: 15 JUN 2020 18:39:21



Date: 15 JUN 2020 18:42:11

Middle Channel / FullIRB

N/A



Date: 15 JUN 2020 18:36:30

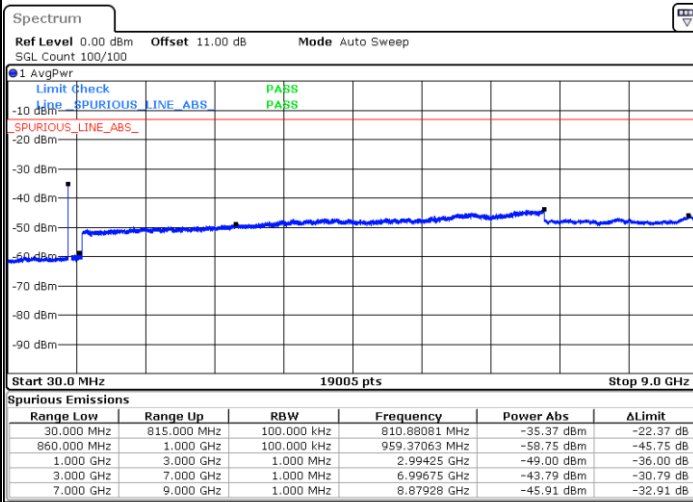


LTE Band 5B / 10MHz+10MHz

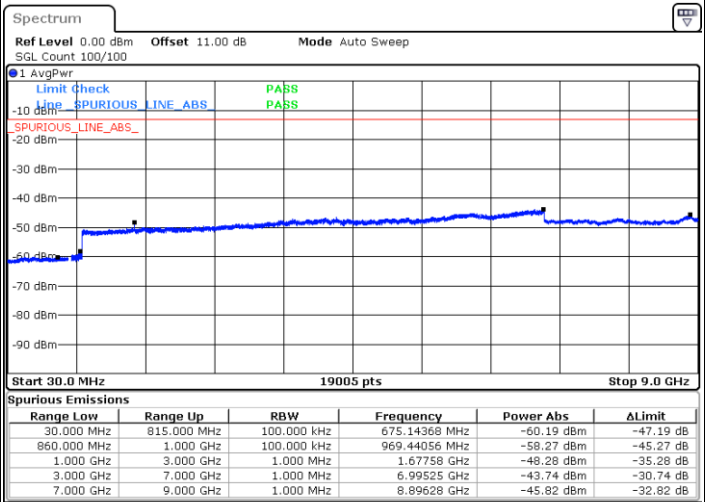
16QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



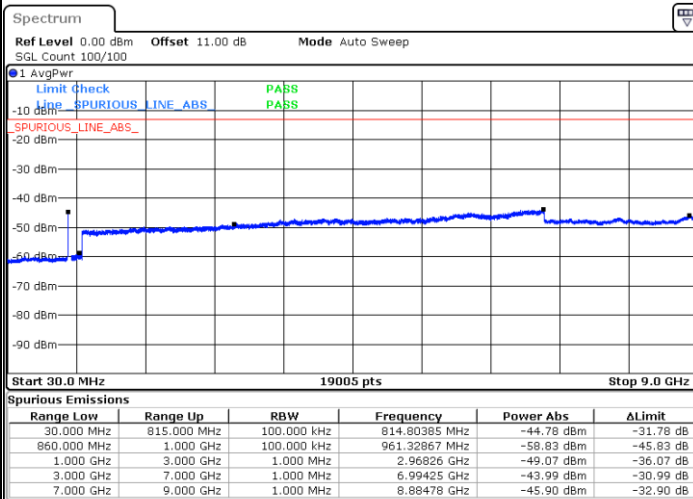
Date: 15 JUN 2020 19:16:40



Date: 15 JUN 2020 19:13:50

Highest Channel / FullIRB

N/A



Date: 15 JUN 2020 19:19:31

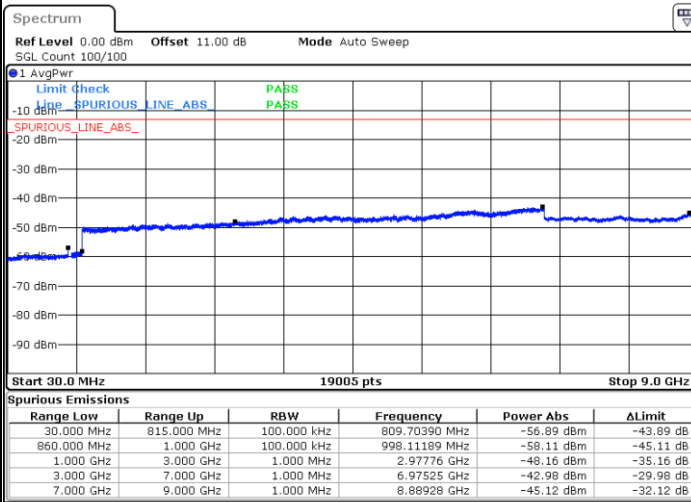


LTE Band 5B / 3MHz+5MHz

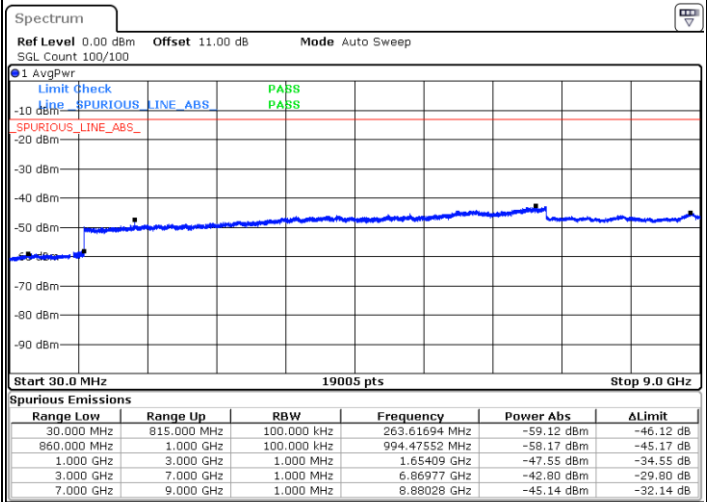
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB14 and 1RB0



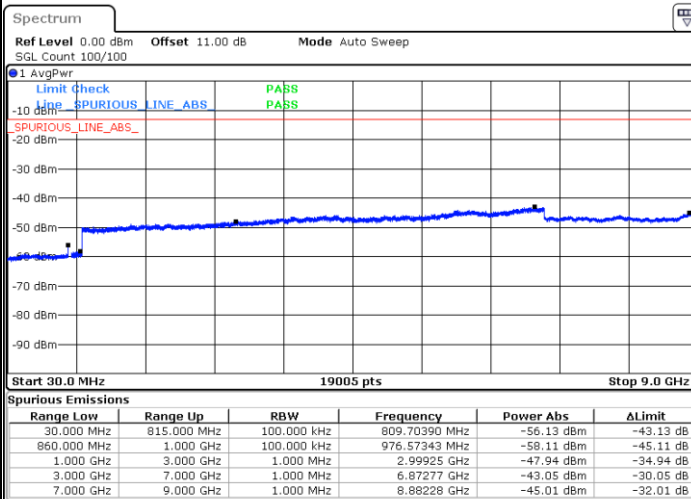
Date: 8 JUL 2020 00:15:42



Date: 8 JUL 2020 00:09:45

Lowest Channel / FullIRB

N/A



Date: 8 JUL 2020 00:19:15

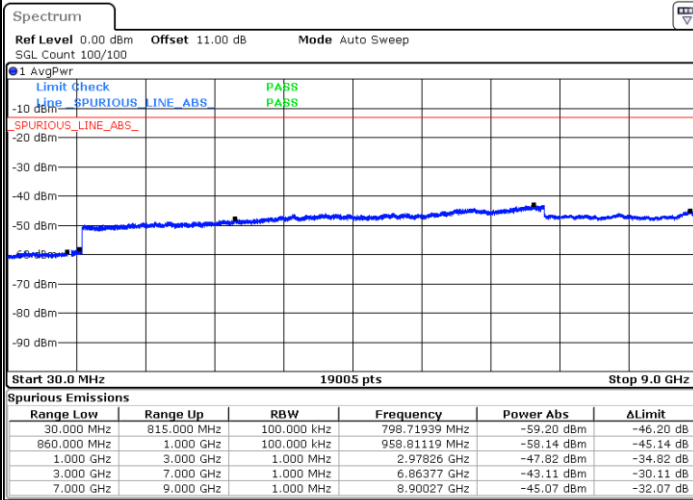


LTE Band 5B / 3MHz+5MHz

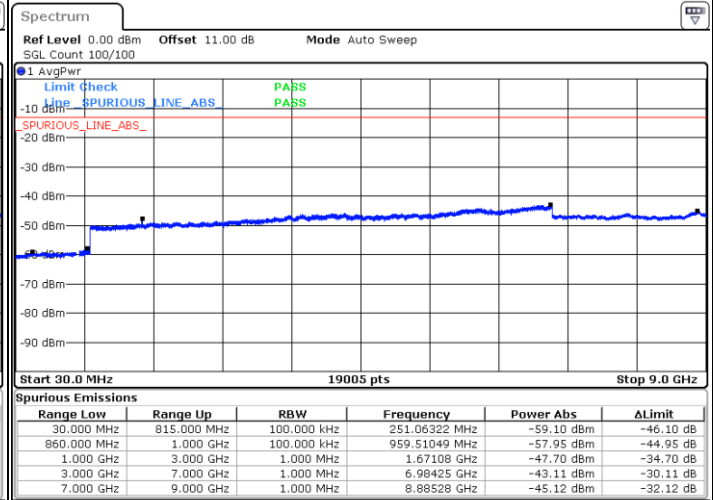
64QAM

MiddleChannel / 1RB0 and 1RB24

Middle Channel / 1RB14 and 1RB0



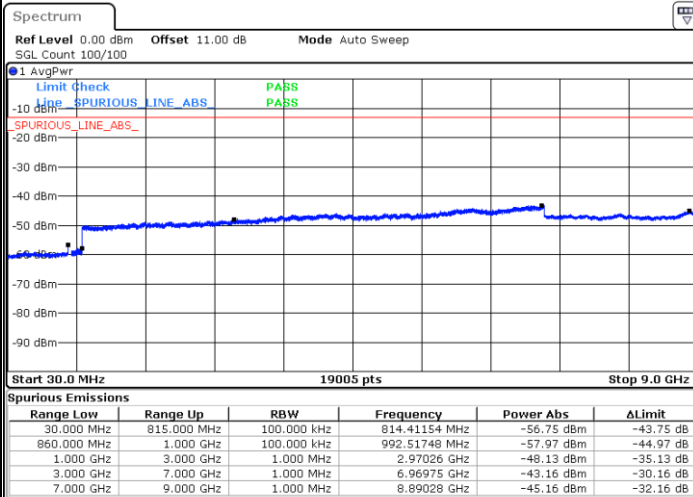
Date: 8 JUL 2020 00:32:07



Date: 8 JUL 2020 00:38:04

Middle Channel / FullIRB

N/A



Date: 8 JUL 2020 00:30:55

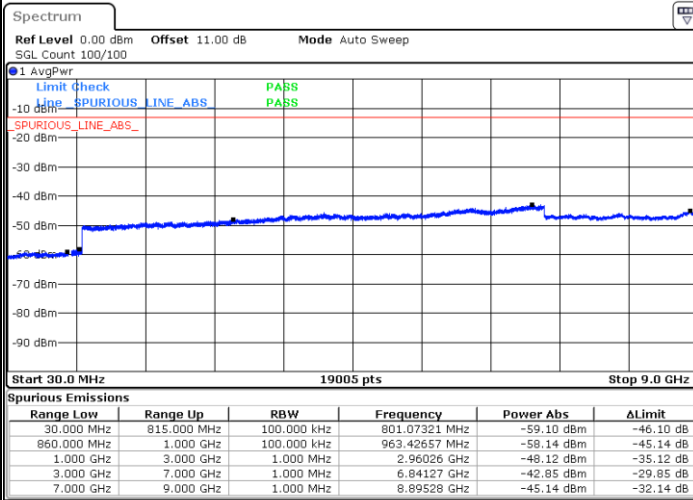


LTE Band 5B / 3MHz+5MHz

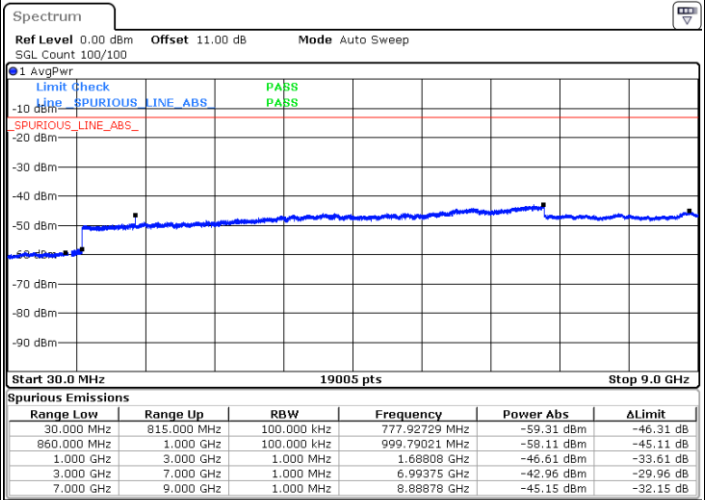
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB14 and 1RB0



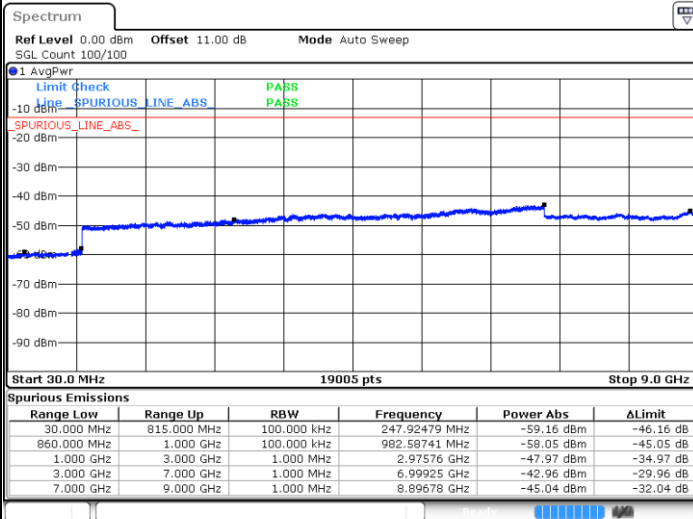
Date: 8 JUL 2020 01:03:52



Date: 8 JUL 2020 01:02:41

Highest Channel / FullIRB

N/A



Date: 8 JUL 2020 01:09:51

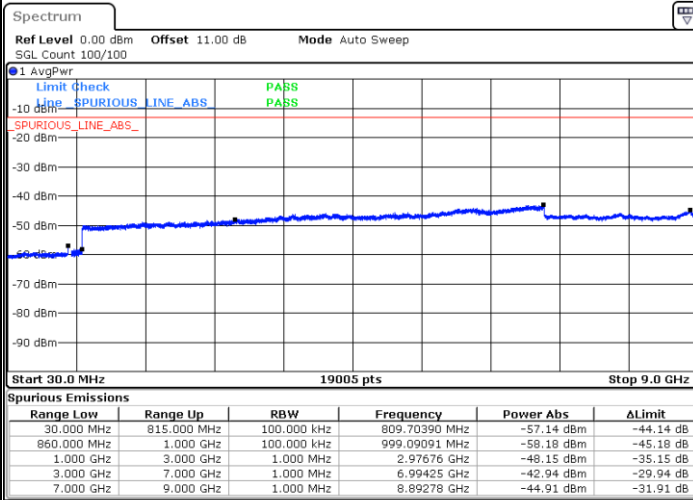


LTE Band 5B / 5MHz+3MHz

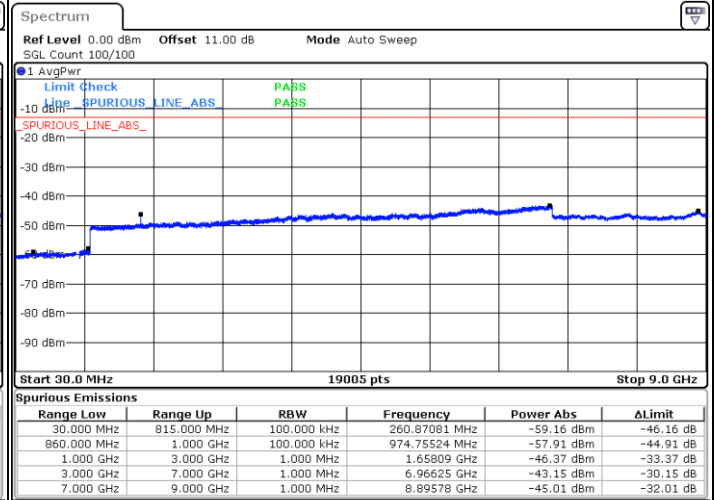
64QAM

Lowest Channel / 1RB0 and 1RB14

Lowest Channel / 1RB24 and 1RB0



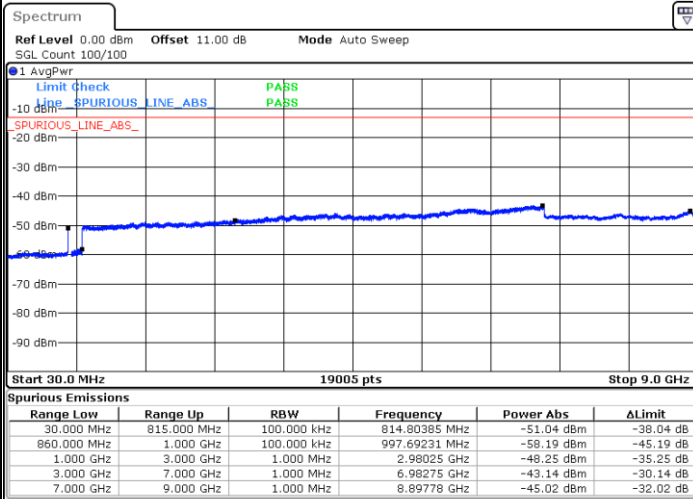
Date: 7 JUL 2020 22:24:10



Date: 7 JUL 2020 22:18:11

Lowest Channel / FullIRB

N/A



Date: 7 JUL 2020 22:25:22

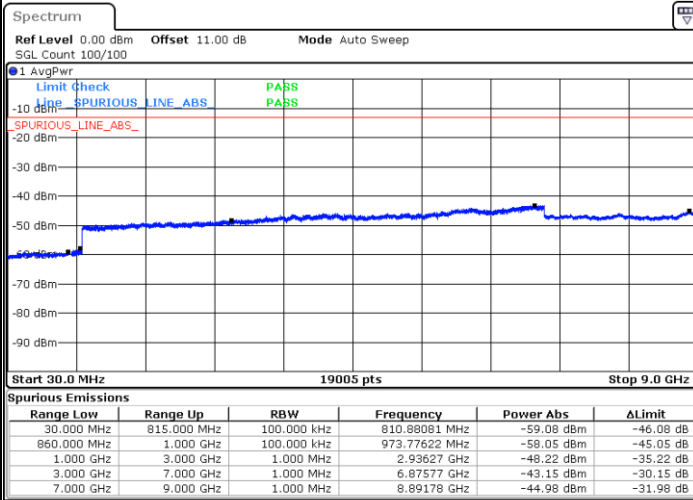


LTE Band 5B / 5MHz+3MHz

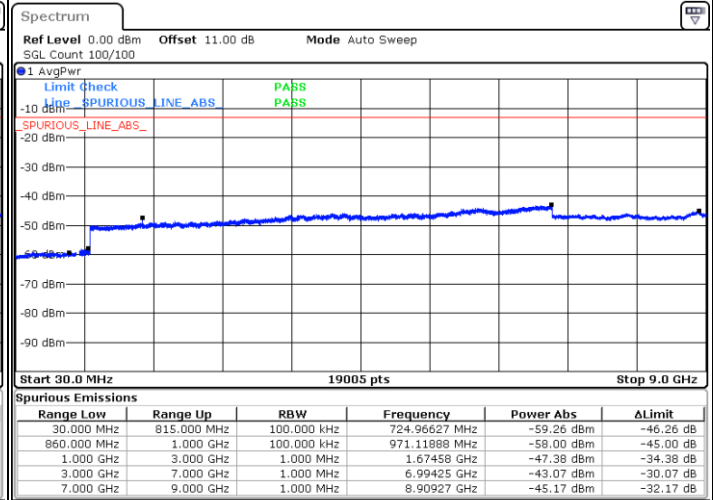
64QAM

Middle Channel / 1RB0 and 1RB14

Middle Channel / 1RB24 and 1RB0



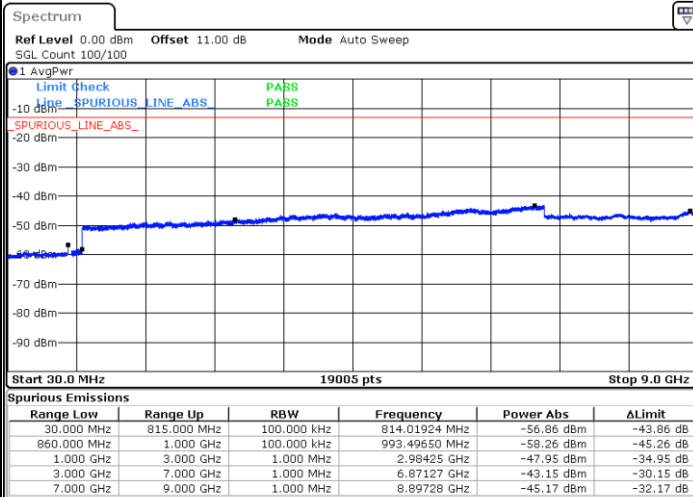
Date: 7 JUL 2020 22:44:19



Date: 7 JUL 2020 22:50:18

Middle Channel / FullIRB

N/A



Date: 7 JUL 2020 22:43:07

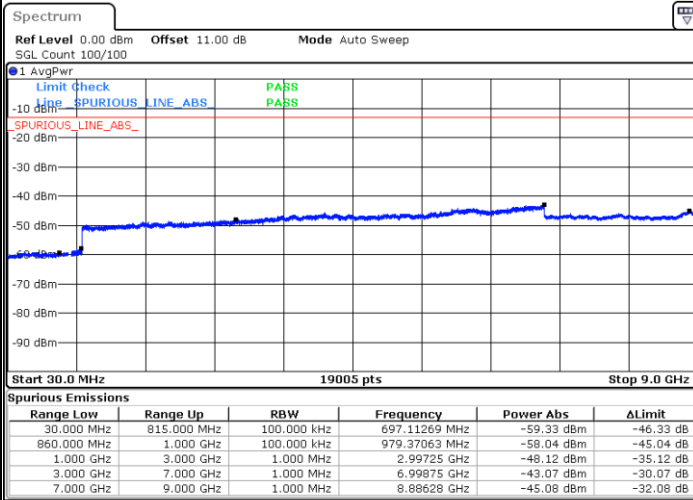


LTE Band 5B / 5MHz+3MHz

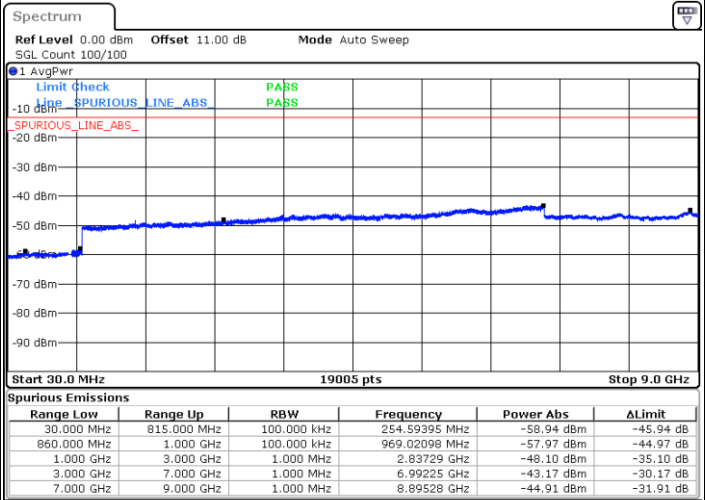
64QAM

Highest Channel / 1RB0 and 1RB14

Highest Channel / 1RB24 and 1RB0



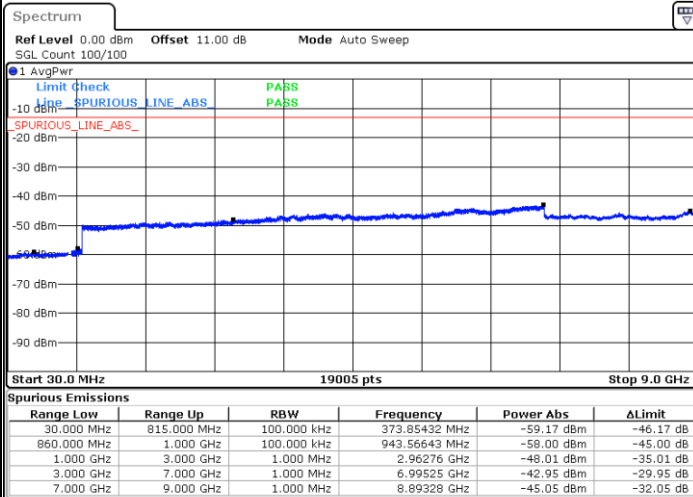
Date: 7 JUL 2020 23:16:00



Date: 7 JUL 2020 23:14:49

Highest Channel / FullIRB

N/A



Date: 7 JUL 2020 23:22:00

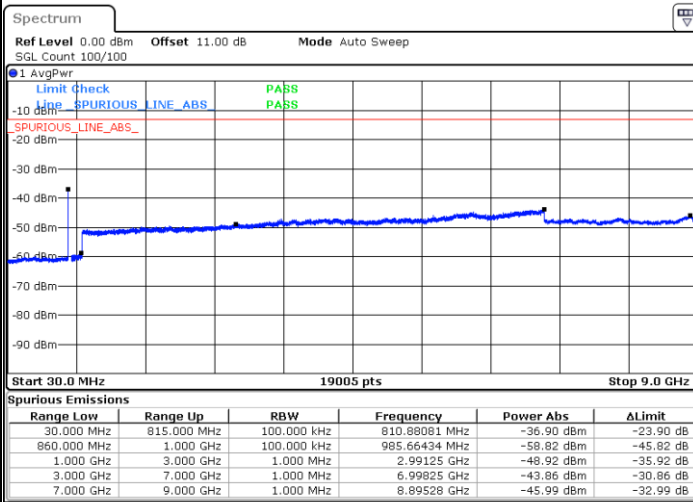


LTE Band 5B / 5MHz+10MHz

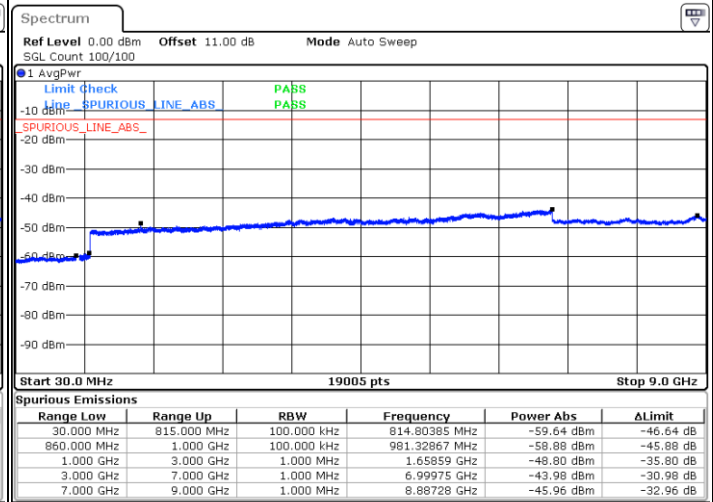
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB24 and 1RB0



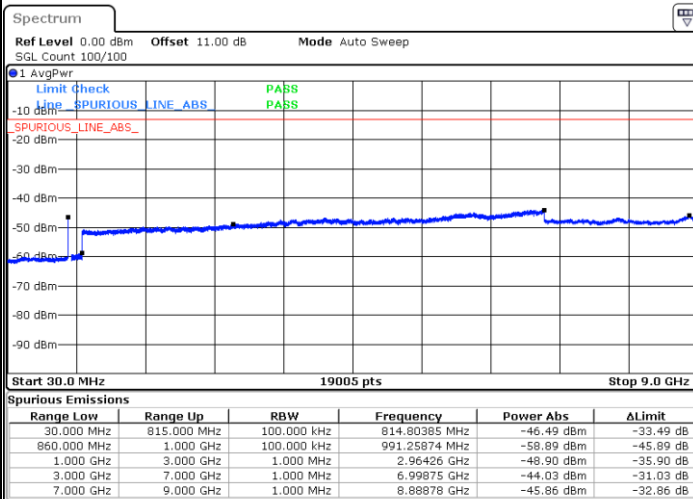
Date: 14 JUN 2020 23:28:36



Date: 14 JUN 2020 23:23:52

Lowest Channel / FullIRB

N/A



Date: 14 JUN 2020 23:29:32

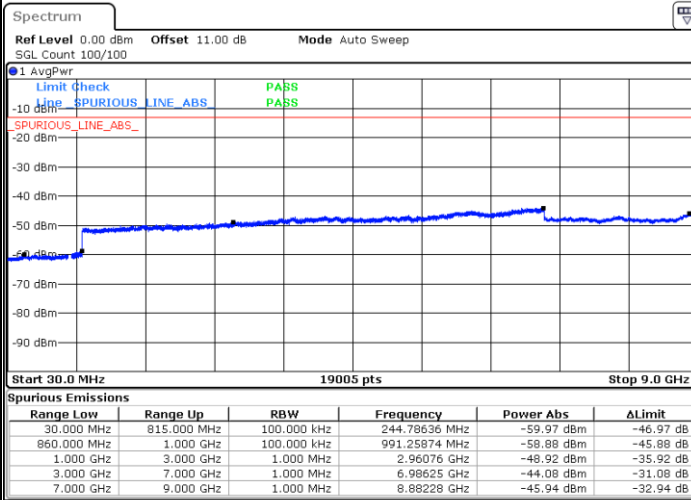


LTE Band 5B / 5MHz+10MHz

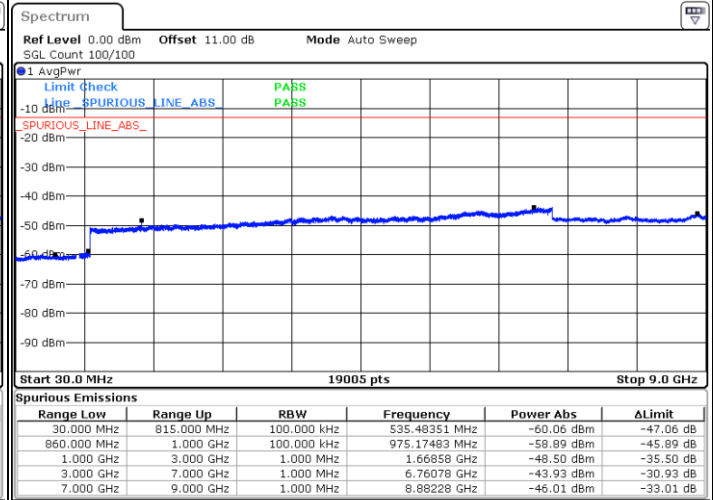
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB24 and 1RB0



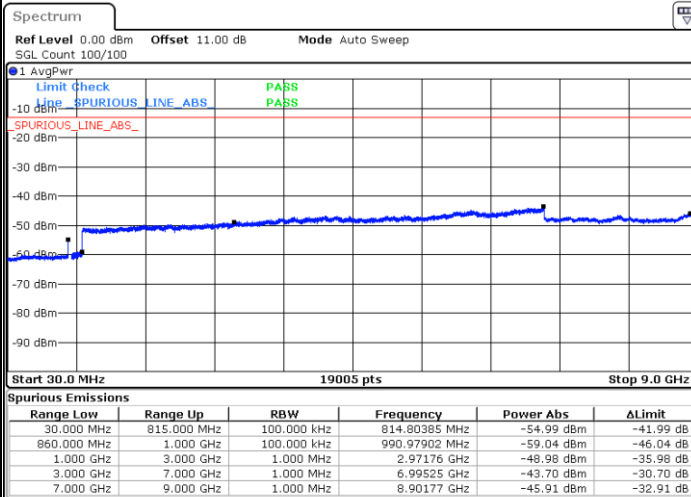
Date: 14 JUN 2020 22:50:12



Date: 14 JUN 2020 22:54:55

Middle Channel / FullIRB

N/A



Date: 14 JUN 2020 22:49:15

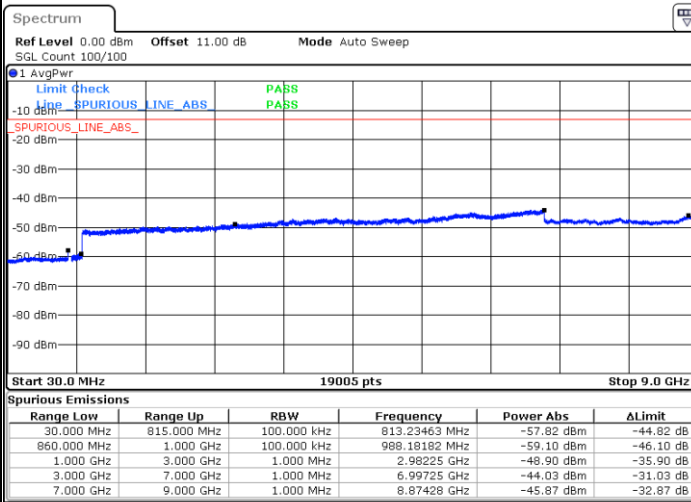


LTE Band 5B / 5MHz+10MHz

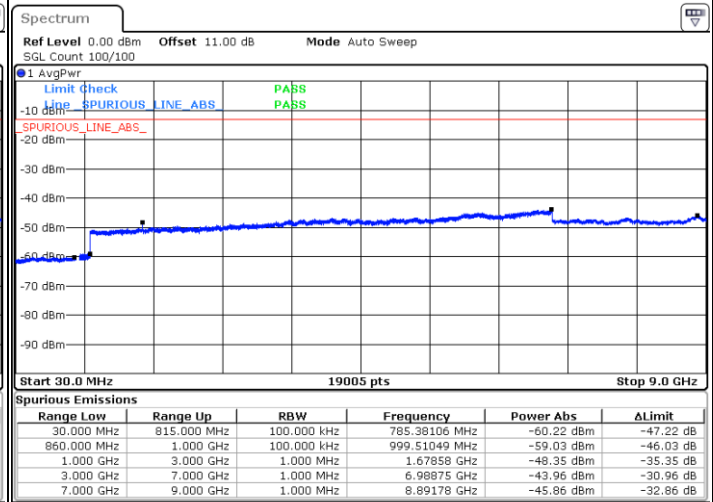
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB24 and 1RB0



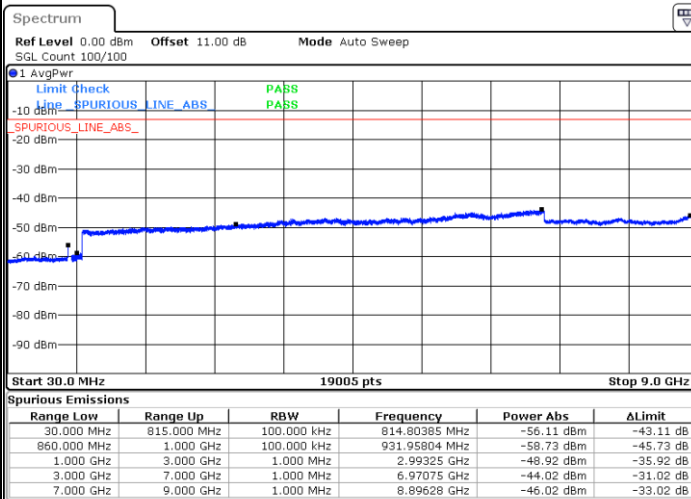
Date: 14 JUN 2020 22:32:24



Date: 14 JUN 2020 22:31:28

Highest Channel / FullIRB

N/A



Date: 14 JUN 2020 22:37:08

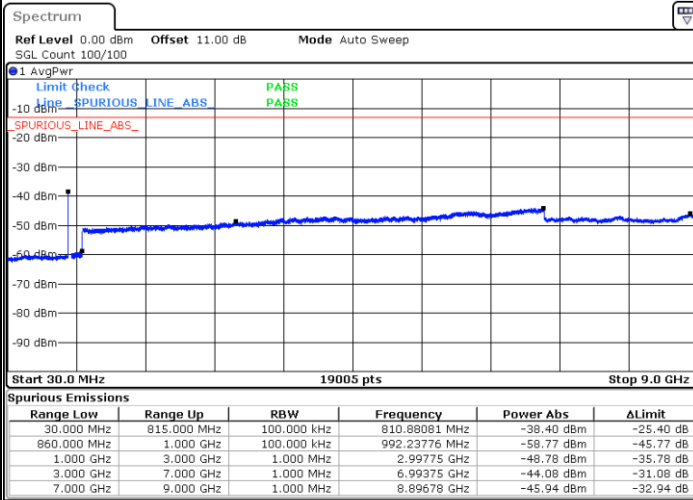


LTE Band 5B / 10MHz+5MHz

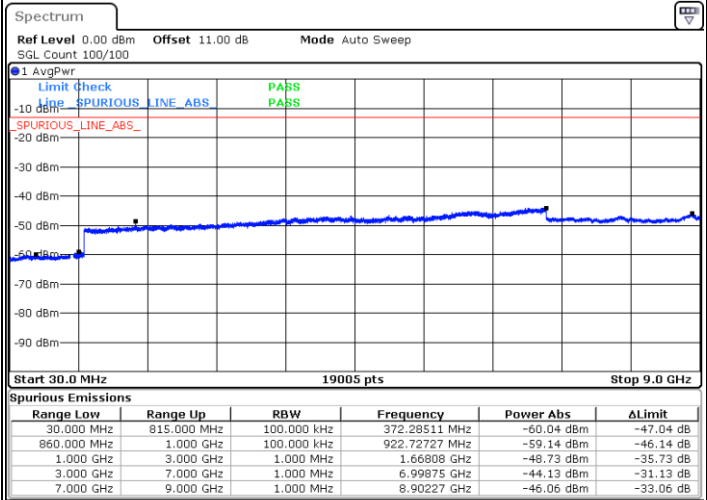
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB49 and 1RB0



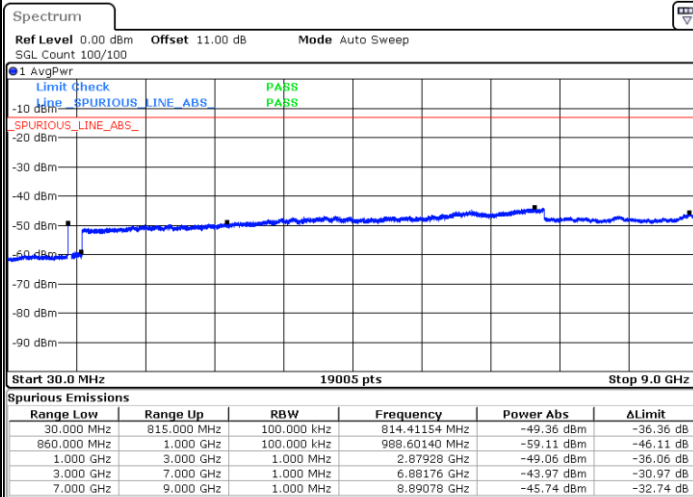
Date: 15 JUN 2020 11:28:29



Date: 15 JUN 2020 11:23:46

Lowest Channel / FullIRB

N/A



Date: 15 JUN 2020 11:29:26

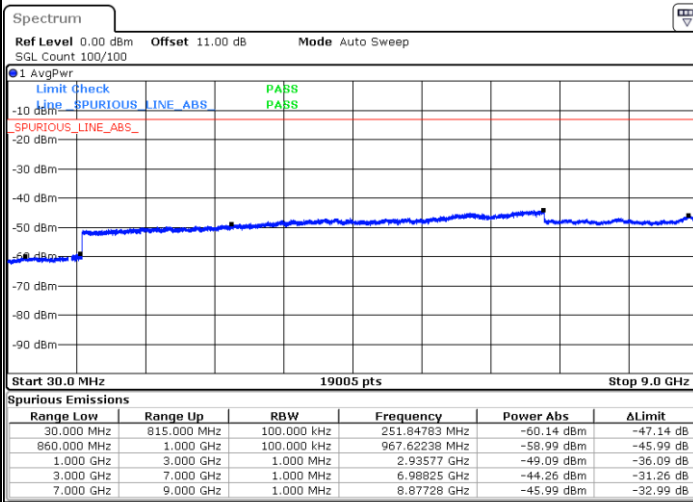


LTE Band 5B / 10MHz+5MHz

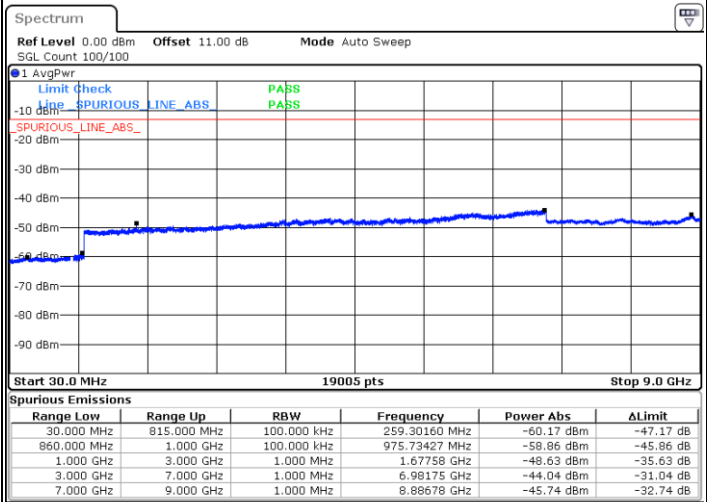
64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB49 and 1RB0



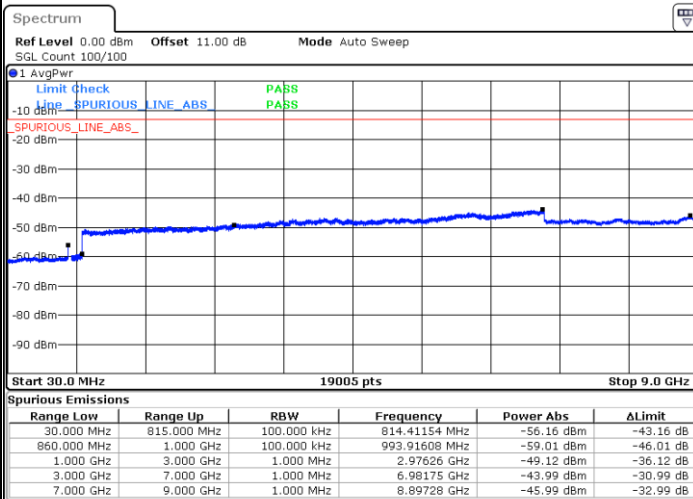
Date: 15 JUN 2020 17:40:39



Date: 15 JUN 2020 17:45:23

Middle Channel / FullIRB

N/A



Date: 15 JUN 2020 17:39:42

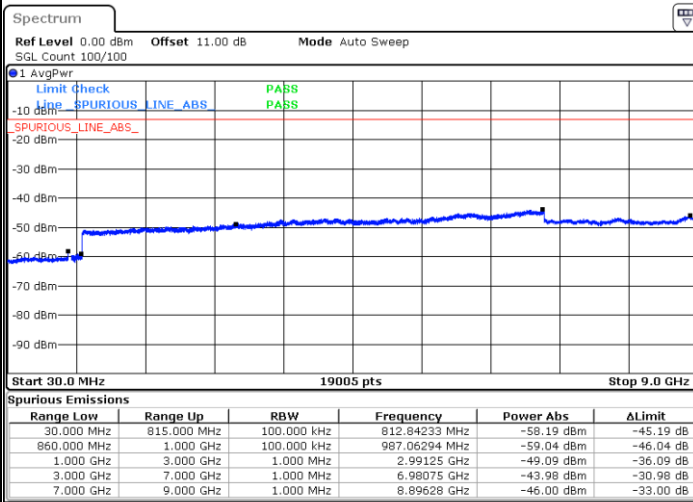


LTE Band 5B / 10MHz+5MHz

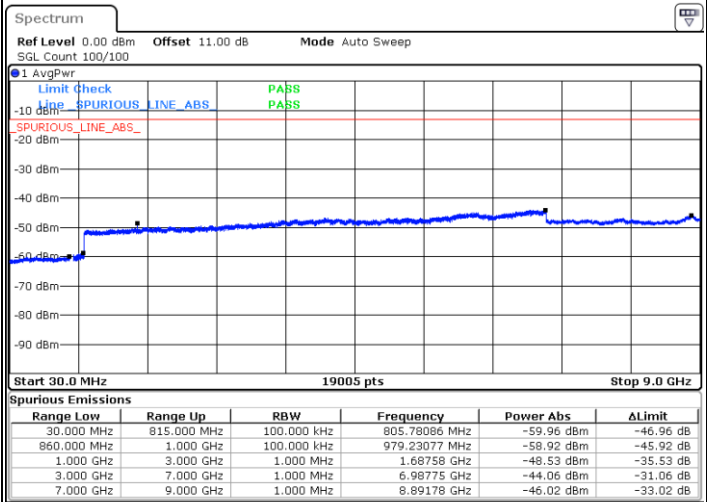
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB49 and 1RB0



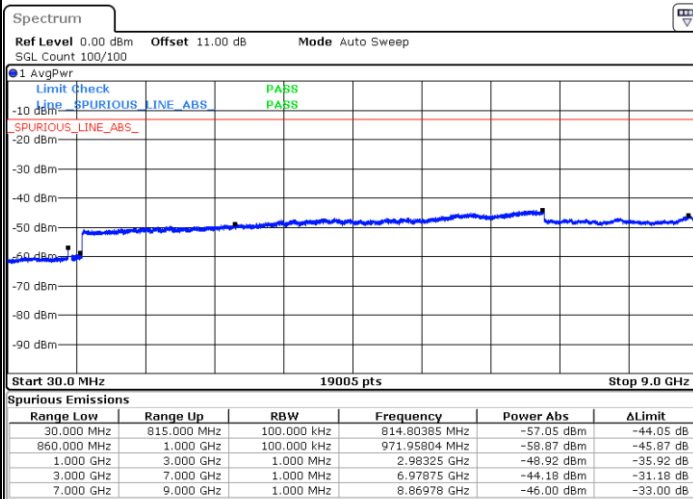
Date: 15 JUN 2020 18:14:23



Date: 15 JUN 2020 18:13:27

Highest Channel / FullIRB

N/A



Date: 15 JUN 2020 18:19:07

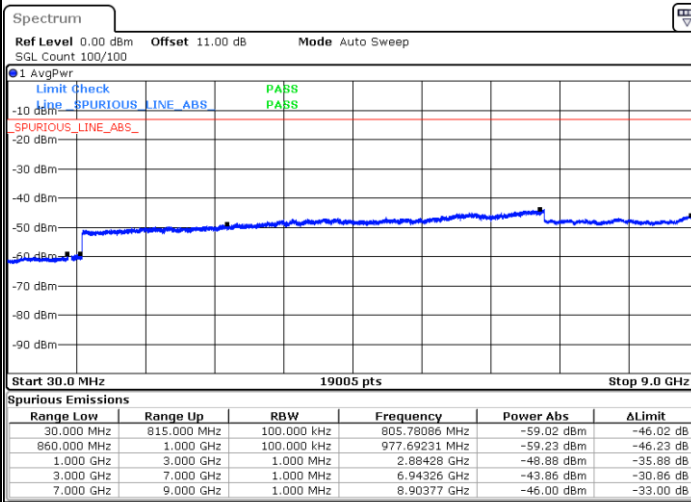


LTE Band 5B / 10MHz+10MHz

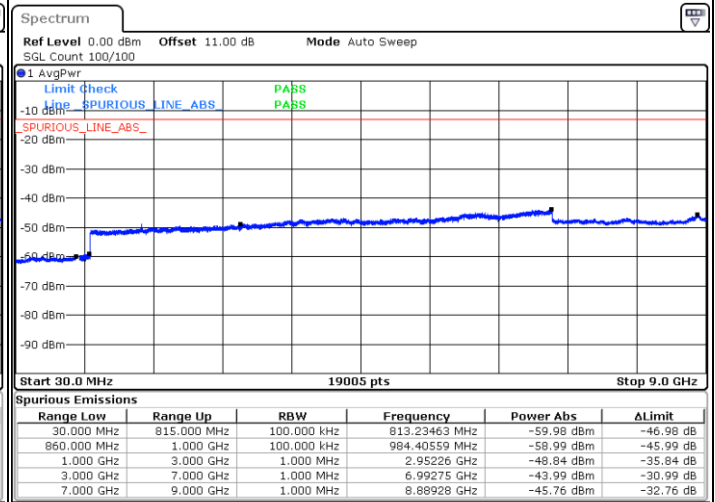
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



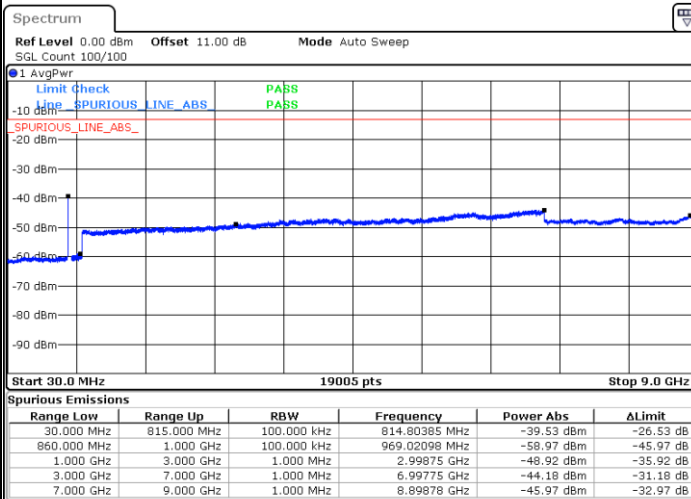
Date: 15 JUN 2020 14:04:35



Date: 15 JUN 2020 13:59:54

Lowest Channel / FullIRB

N/A



Date: 15 JUN 2020 14:05:31

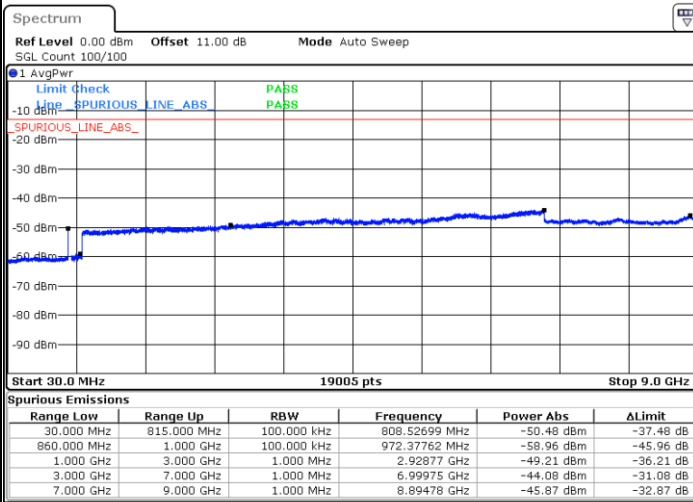


LTE Band 5B / 10MHz+10MHz

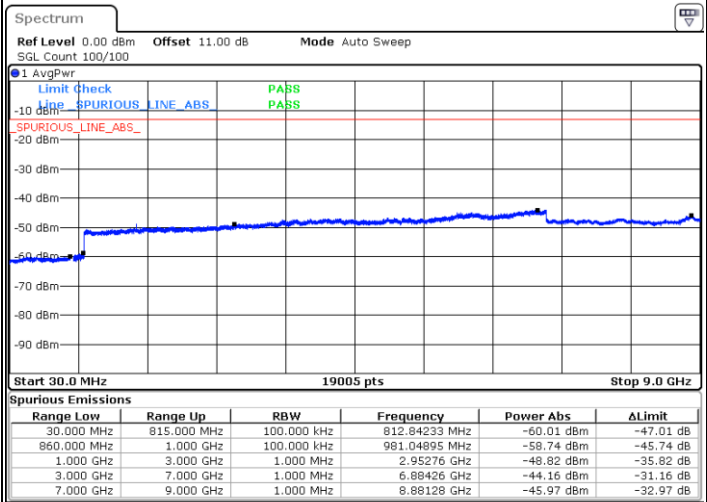
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



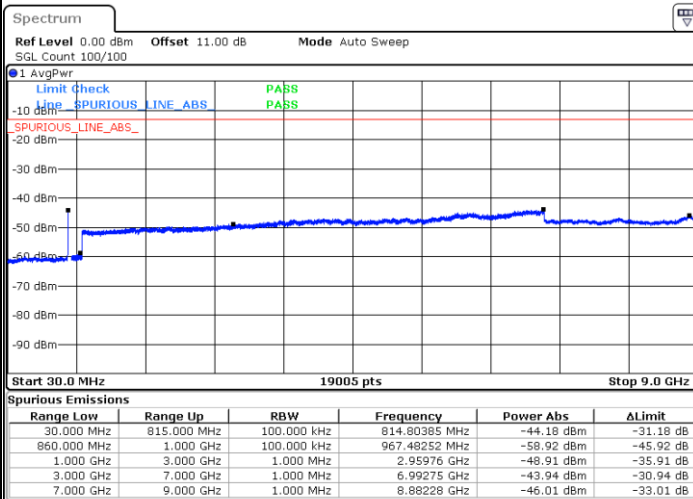
Date: 15 JUN 2020 18:38:24



Date: 15 JUN 2020 18:43:08

Middle Channel / FullIRB

N/A



Date: 15 JUN 2020 18:37:27

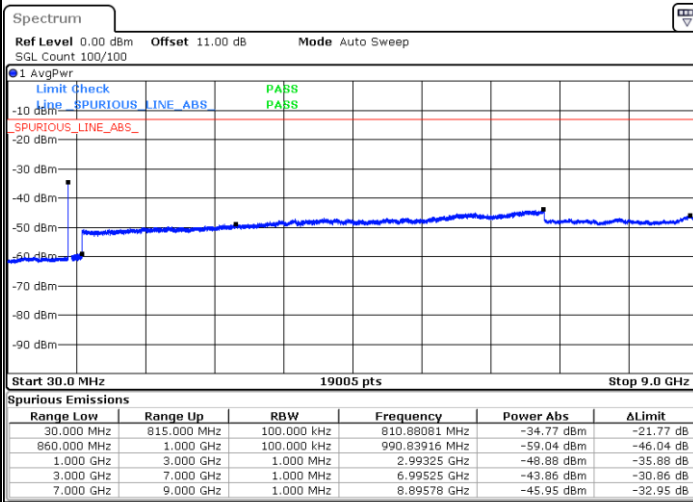


LTE Band 5B / 10MHz+10MHz

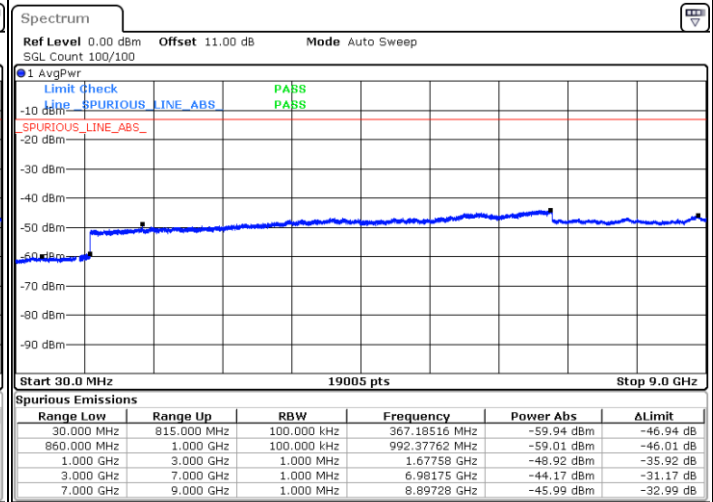
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



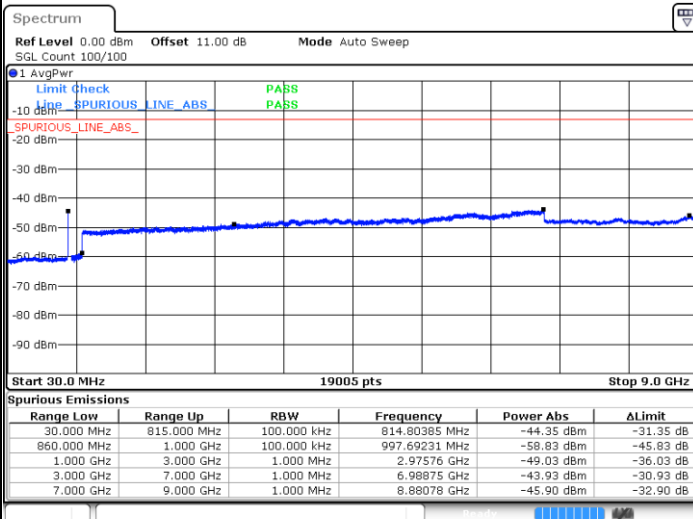
Date: 15 JUN 2020 19:15:43



Date: 15 JUN 2020 19:14:47

Highest Channel / FullIRB

N/A



Date: 15 JUN 2020 19:20:27



LTE Band 7

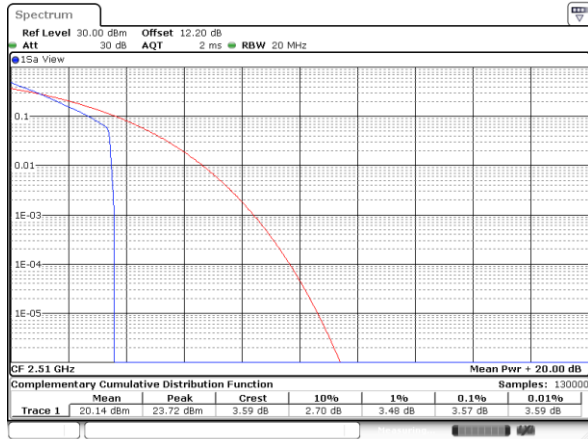
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	5.04	5.36	5.88	PASS
Middle CH	3.48	5.07	4.35	5.97	
Highest CH	3.68	4.93	5.16	5.91	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.64	6.43	-	-	PASS
Middle CH	6.93	6.43	-	-	
Highest CH	6.84	6.55	-	-	

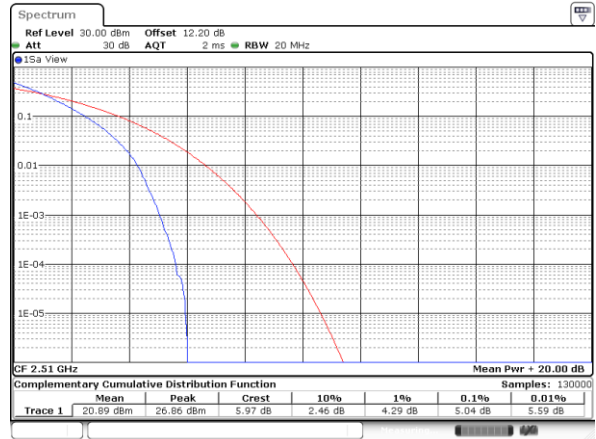


LTE Band 7 / 20MHz / QPSK

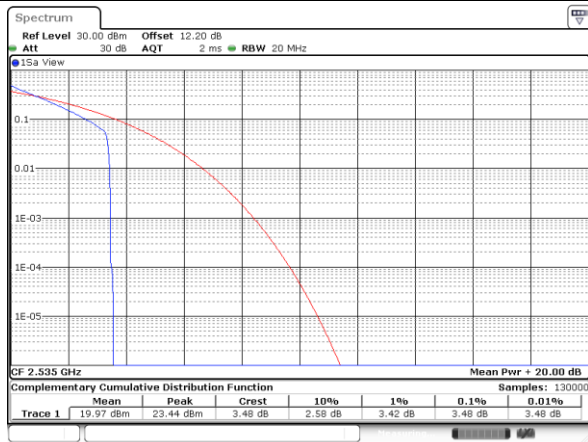
Lowest Channel / 1RB



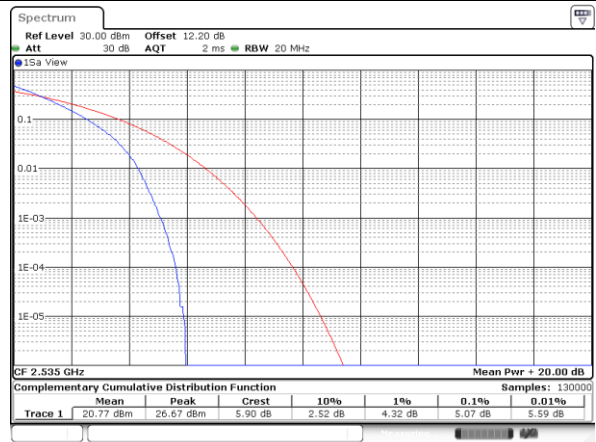
Lowest Channel / Full RB



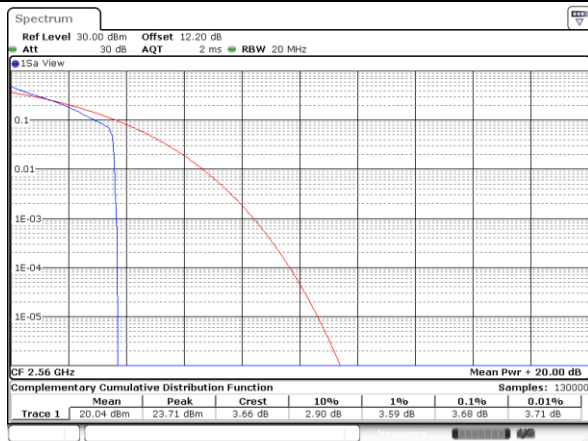
Middle Channel / 1RB



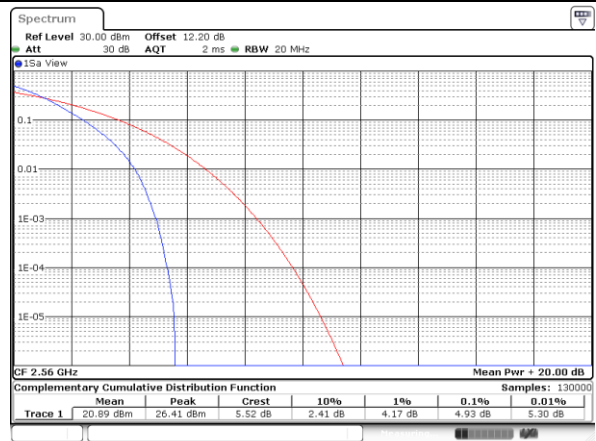
Middle Channel / Full RB



Highest Channel / 1RB



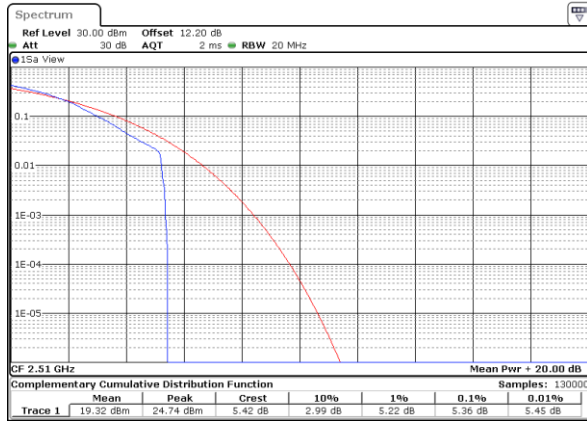
Highest Channel / Full RB



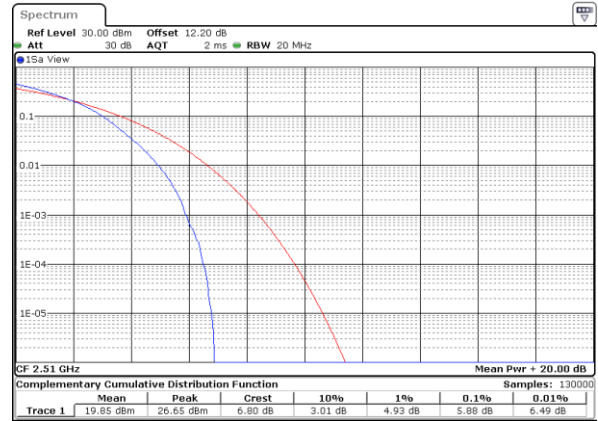


LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



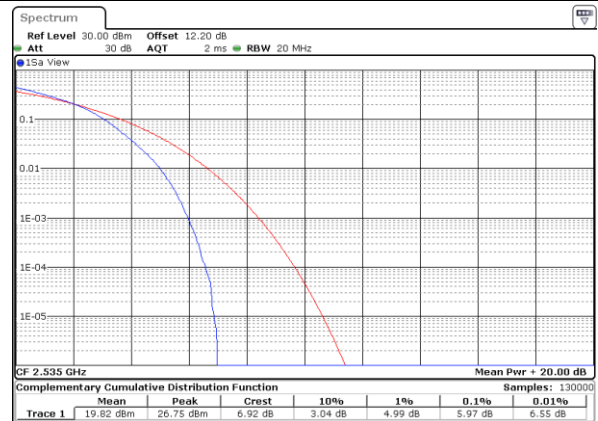
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



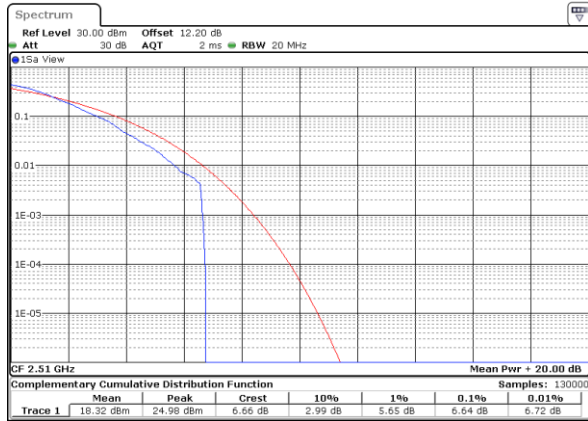
Highest Channel / Full RB



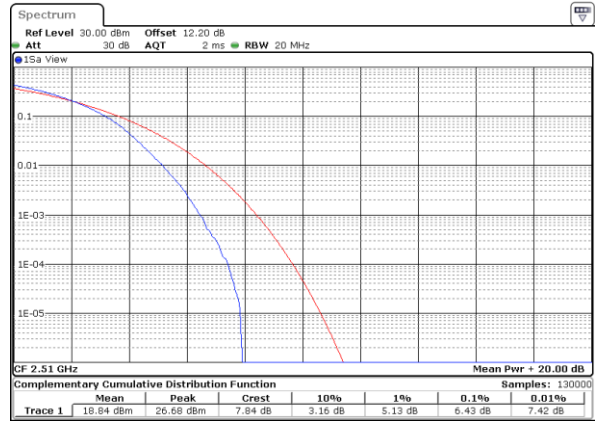


LTE Band 7 / 20MHz / 64QAM

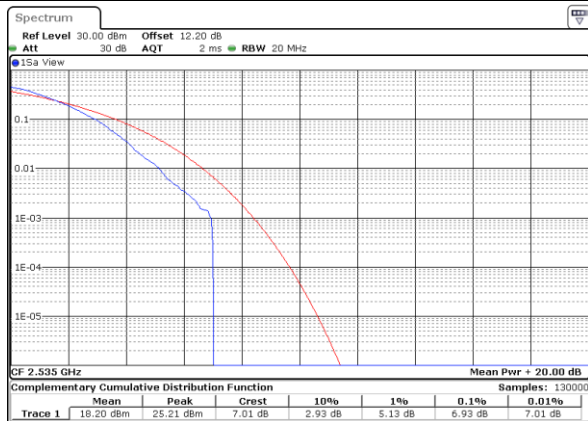
Lowest Channel / 1RB



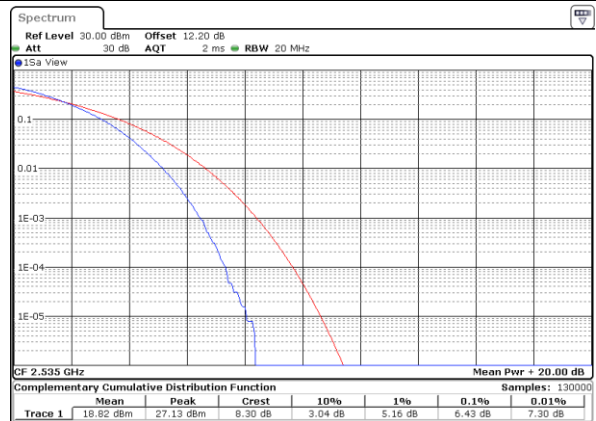
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



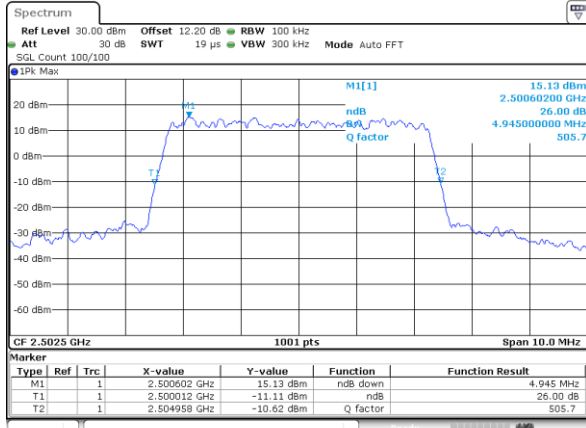
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.95	4.89	9.89	9.67	14.18	14.27	19.38	19.02
Middle CH	-	-	-	-	4.93	4.89	9.63	9.71	14.27	14.24	18.70	18.94
Highest CH	-	-	-	-	4.87	4.97	9.79	9.91	14.33	14.33	18.98	19.06
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.98	-	9.79	-	14.27	-	19.02	-
Middle CH	-	-	-	-	4.86	-	9.87	-	14.36	-	18.90	-
Highest CH	-	-	-	-	4.93	-	9.69	-	14.54	-	18.78	-



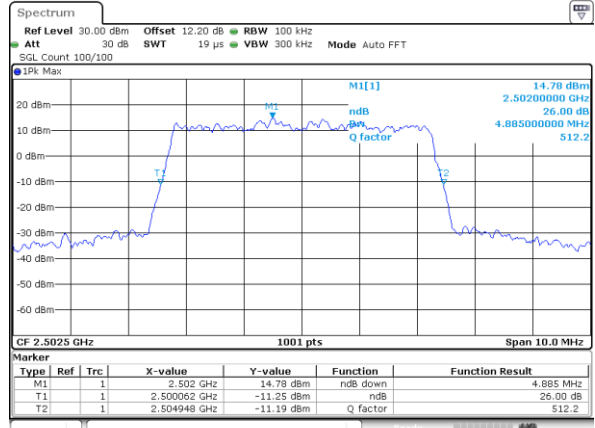
LTE Band 7

Lowest Channel / 5MHz / QPSK



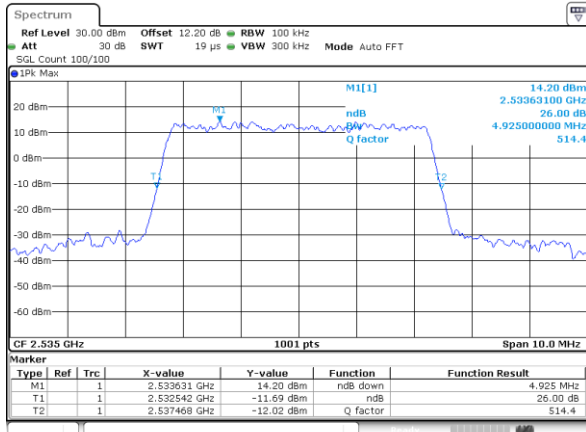
Date: 20.APR.2020 14:10:19

Lowest Channel / 5MHz / 16QAM



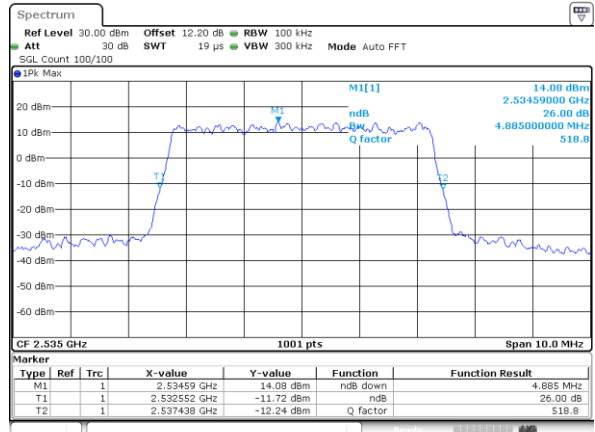
Date: 20.APR.2020 14:10:33

Middle Channel / 5MHz / QPSK



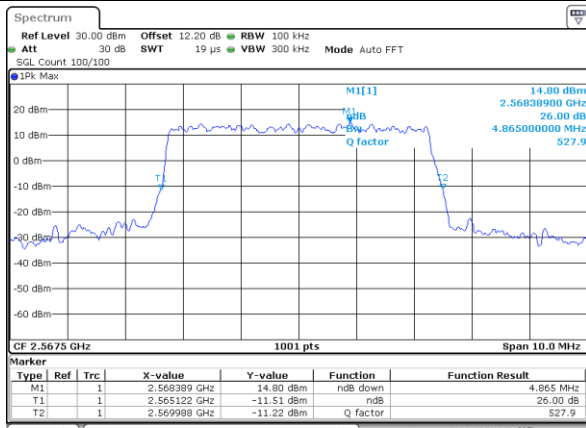
Date: 20.APR.2020 14:15:03

Middle Channel / 5MHz / 16QAM



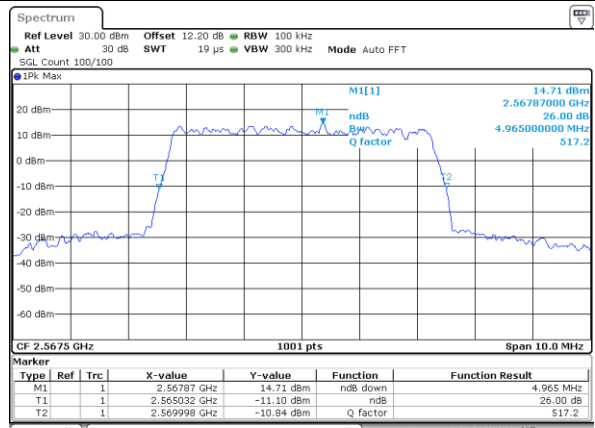
Date: 20.APR.2020 14:15:16

Highest Channel / 5MHz / QPSK



Date: 20.APR.2020 14:17:35

Highest Channel / 5MHz / 16QAM

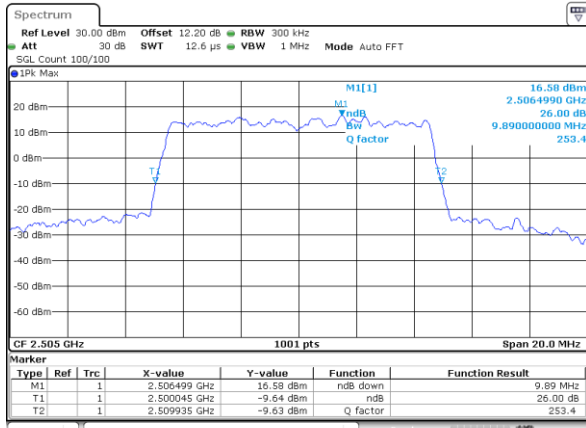


Date: 20.APR.2020 14:17:49



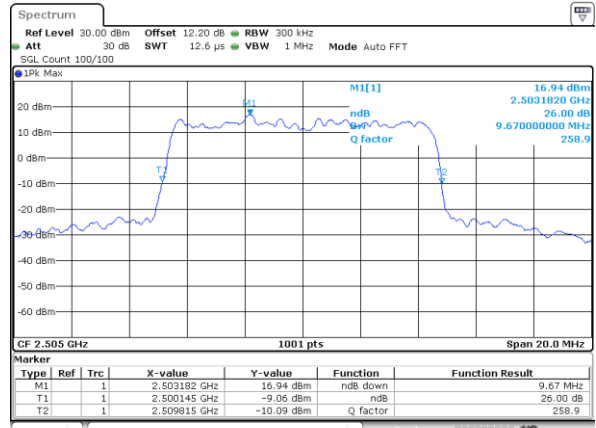
LTE Band 7

Lowest Channel / 10MHz / QPSK



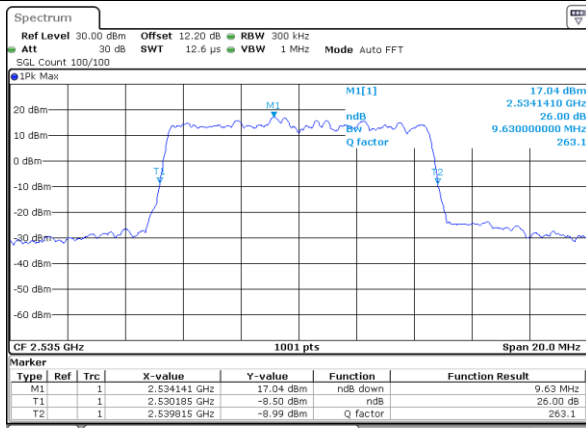
Date: 20.APR.2020 14:28:18

Lowest Channel / 10MHz / 16QAM



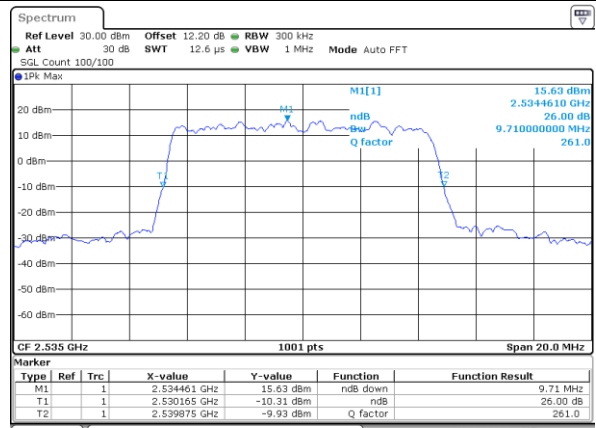
Date: 20.APR.2020 14:28:32

Middle Channel / 10MHz / QPSK



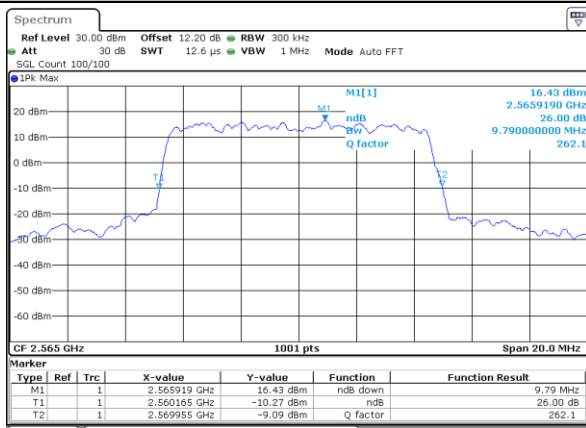
Date: 20.APR.2020 14:32:59

Middle Channel / 10MHz / 16QAM



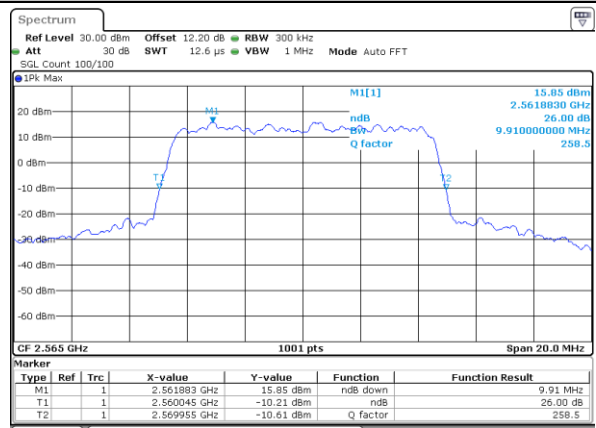
Date: 20.APR.2020 14:33:12

Highest Channel / 10MHz / QPSK



Date: 20.APR.2020 14:35:31

Highest Channel / 10MHz / 16QAM

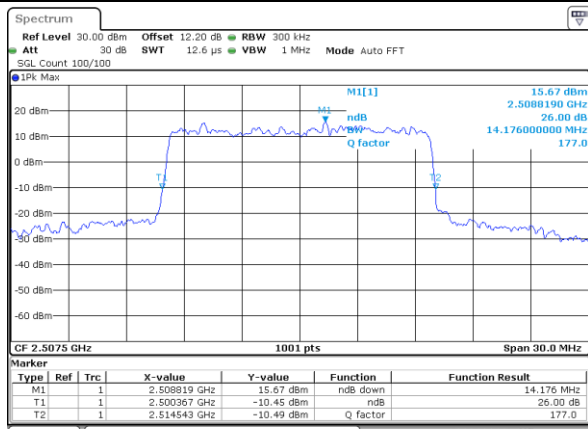


Date: 20.APR.2020 14:35:45



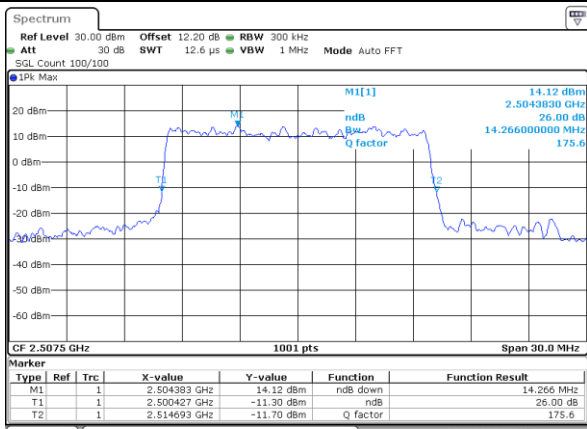
LTE Band 7

Lowest Channel / 15MHz / QPSK



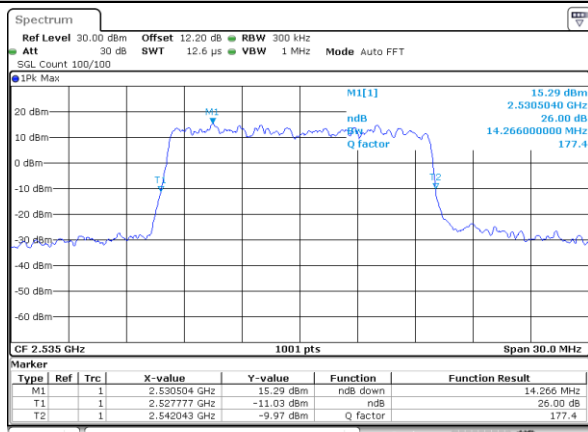
Date: 20.APR.2020 14:46:11

Lowest Channel / 15MHz / 16QAM



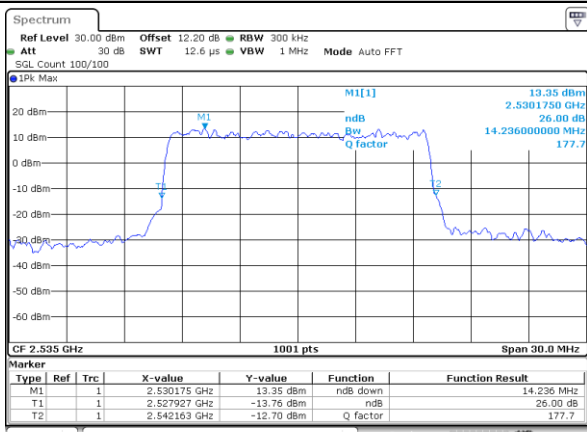
Date: 20.APR.2020 14:46:25

Middle Channel / 15MHz / QPSK



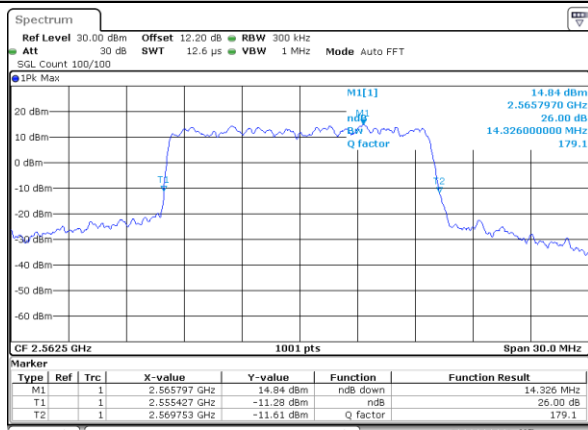
Date: 20.APR.2020 14:50:53

Middle Channel / 15MHz / 16QAM



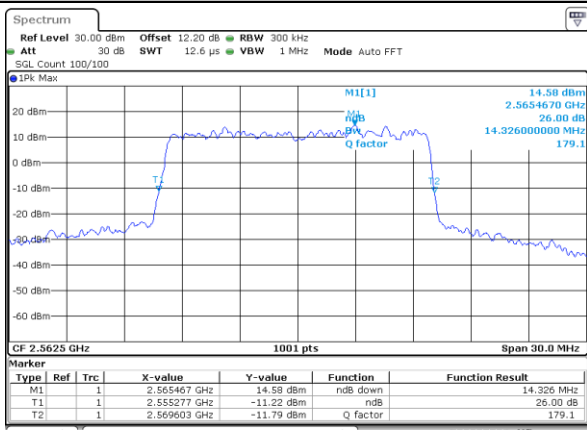
Date: 20.APR.2020 14:51:06

Highest Channel / 15MHz / QPSK



Date: 20.APR.2020 14:53:24

Highest Channel / 15MHz / 16QAM

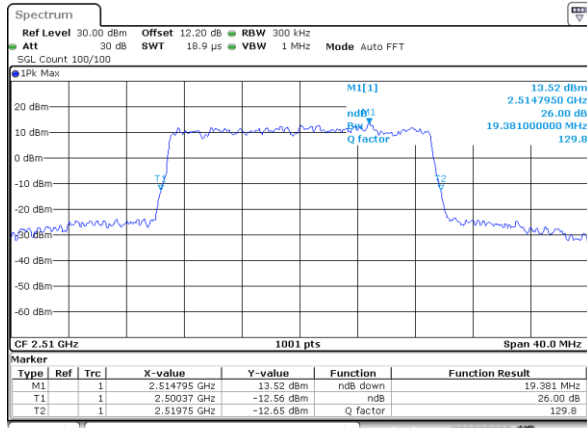


Date: 20.APR.2020 14:53:38



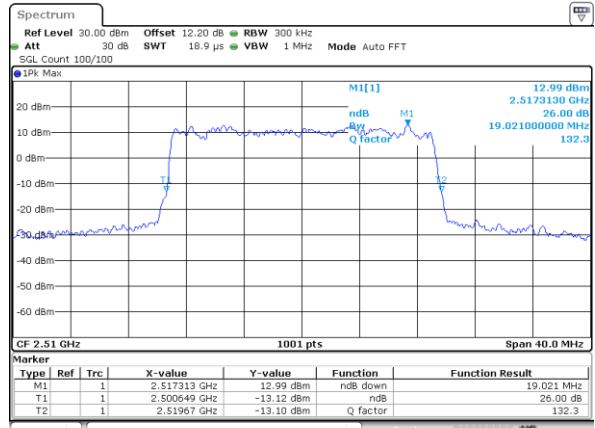
LTE Band 7

Lowest Channel / 20MHz / QPSK



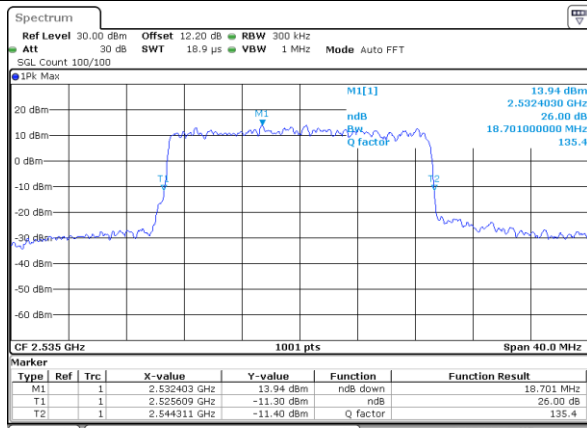
Date: 20.APR.2020 15:04:08

Lowest Channel / 20MHz / 16QAM



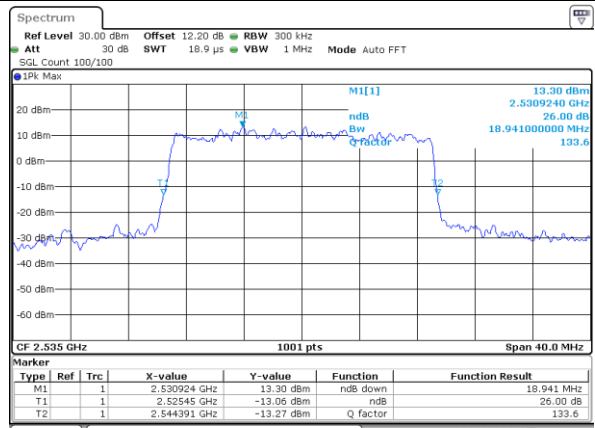
Date: 20.APR.2020 15:04:22

Middle Channel / 20MHz / QPSK



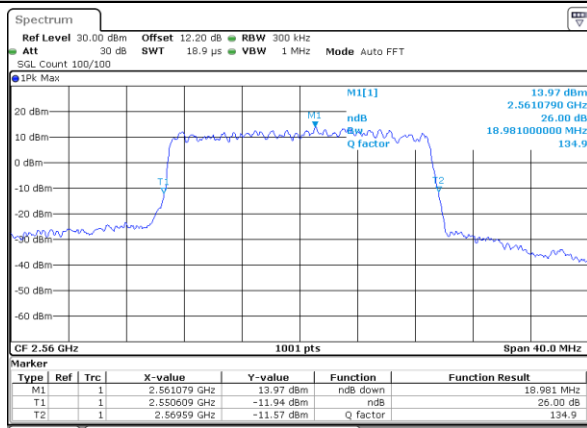
Date: 20.APR.2020 15:08:50

Middle Channel / 20MHz / 16QAM



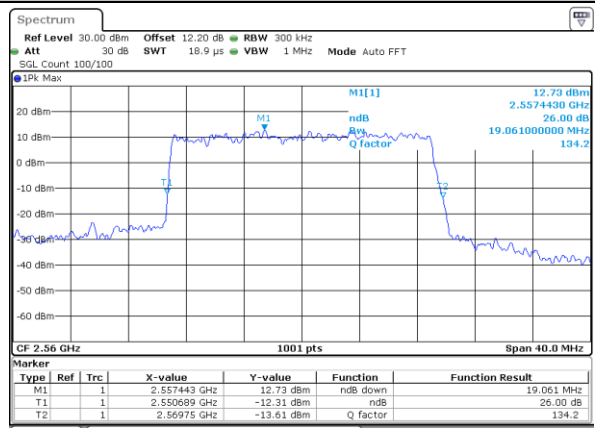
Date: 20.APR.2020 15:09:04

Highest Channel / 20MHz / QPSK



Date: 20.APR.2020 15:11:22

Highest Channel / 20MHz / 16QAM

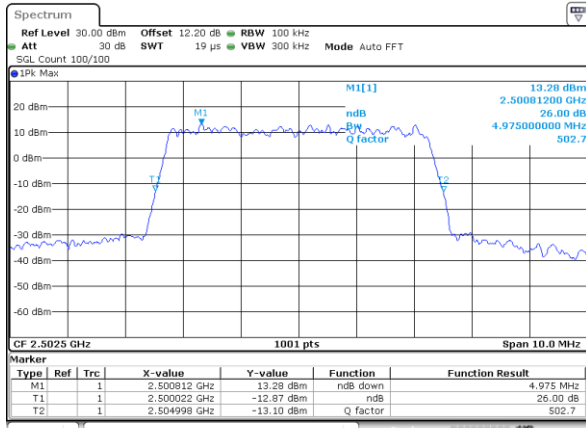


Date: 20.APR.2020 15:11:36



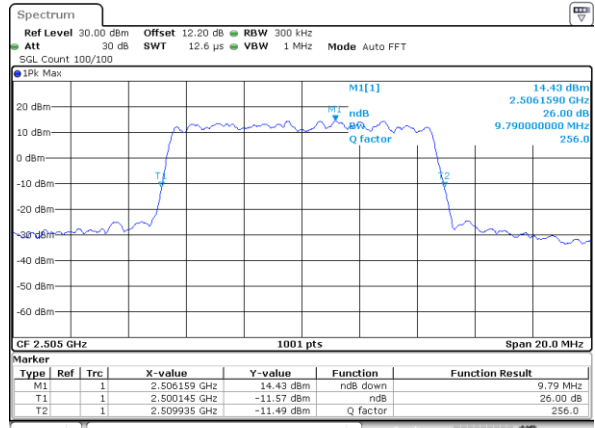
LTE Band 7

Lowest Channel / 5MHz / 64QAM



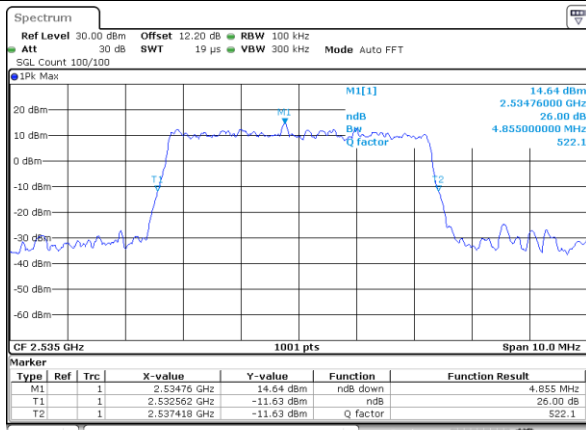
Date: 20.APR.2020 14:22:05

Lowest Channel / 10MHz / 64QAM



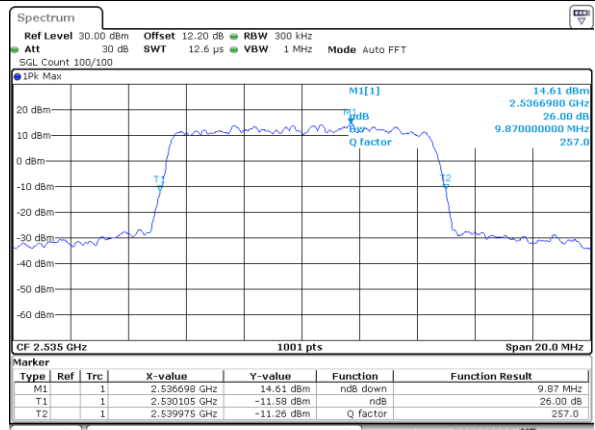
Date: 20.APR.2020 14:40:01

Middle Channel / 5MHz / 64QAM



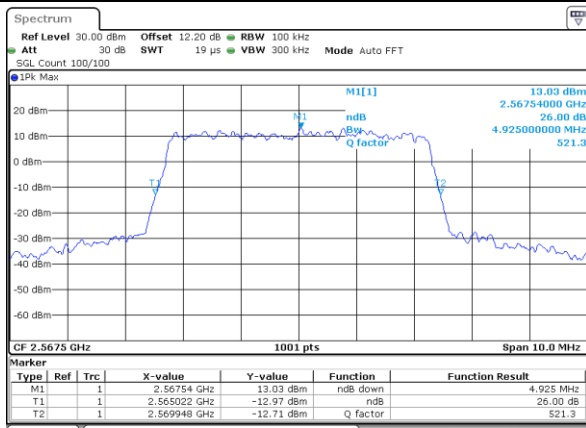
Date: 20.APR.2020 14:24:25

Middle Channel / 10MHz / 64QAM



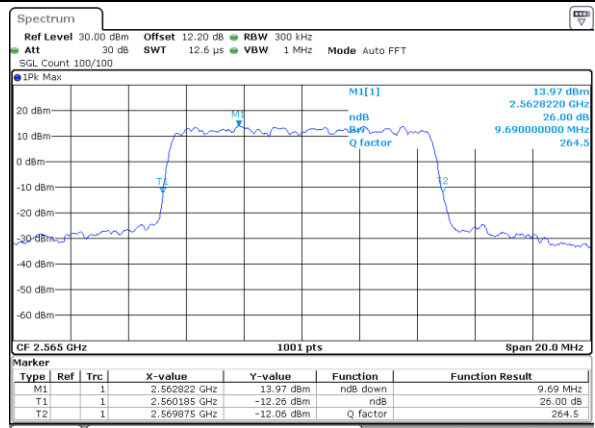
Date: 20.APR.2020 14:42:20

Highest Channel / 5MHz / 64QAM



Date: 20.APR.2020 14:25:42

Highest Channel / 10MHz / 64QAM

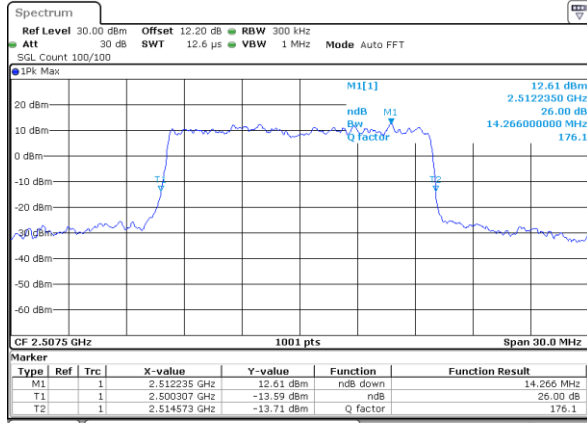


Date: 20.APR.2020 14:43:36

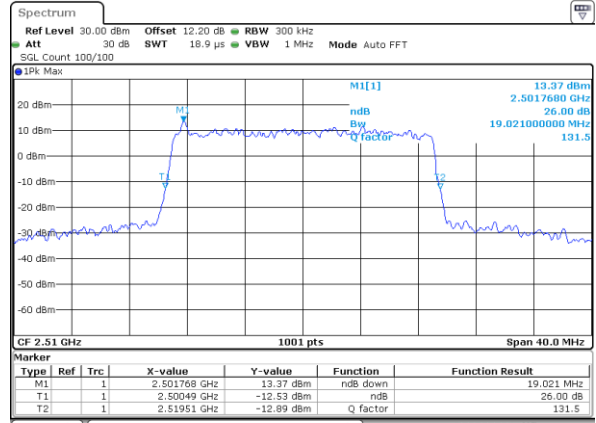


LTE Band 7

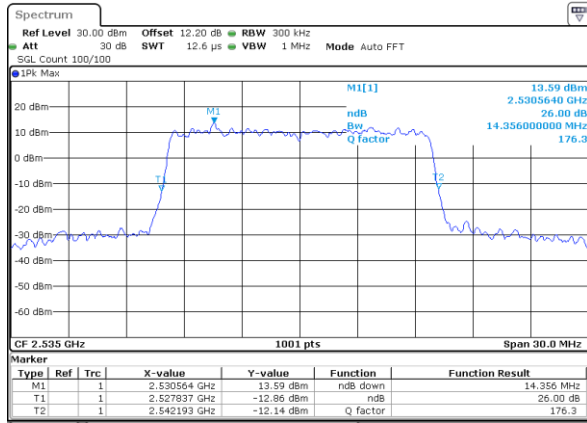
Lowest Channel / 15MHz / 64QAM



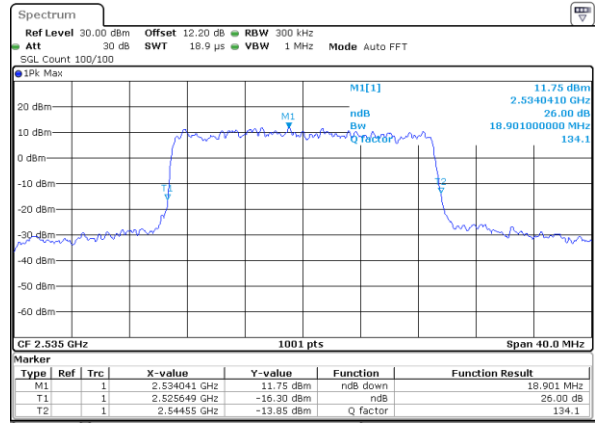
Lowest Channel / 20MHz / 64QAM



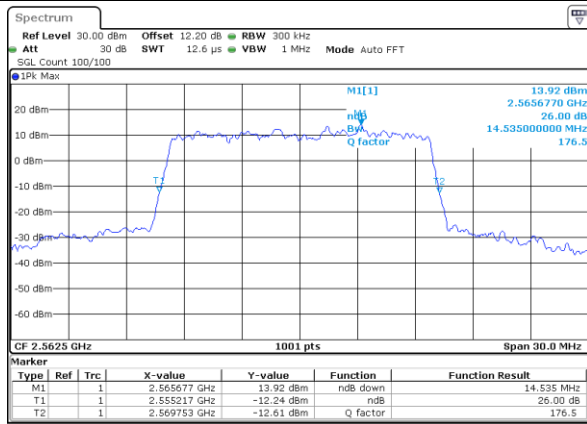
Middle Channel / 15MHz / 64QAM



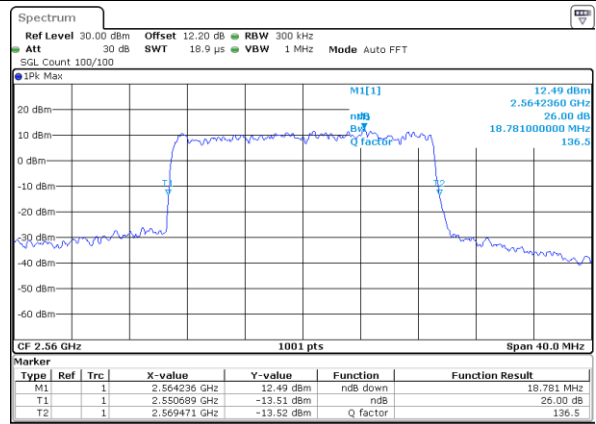
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.49	9.07	9.05	13.43	13.46	17.82	17.90
Middle CH	-	-	-	-	4.50	4.47	9.05	8.99	13.46	13.43	17.82	17.86
Highest CH	-	-	-	-	4.47	4.49	9.01	8.99	13.49	13.43	17.82	17.90
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.54	-	8.99	-	13.46	-	17.90	-
Middle CH	-	-	-	-	4.50	-	8.95	-	13.37	-	17.90	-
Highest CH	-	-	-	-	4.48	-	9.01	-	13.43	-	17.78	-