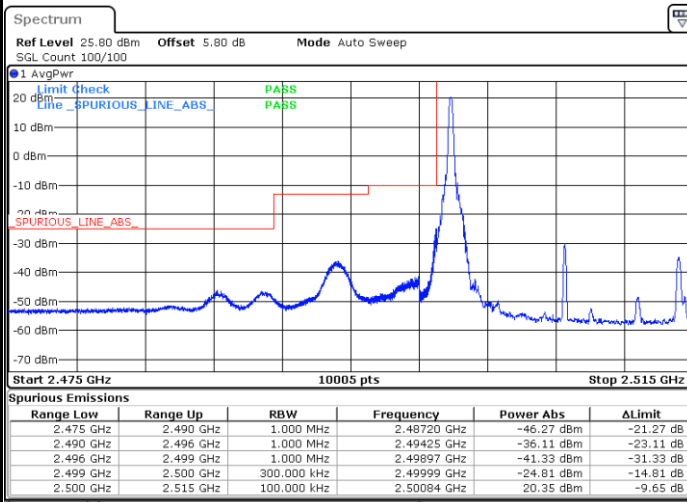




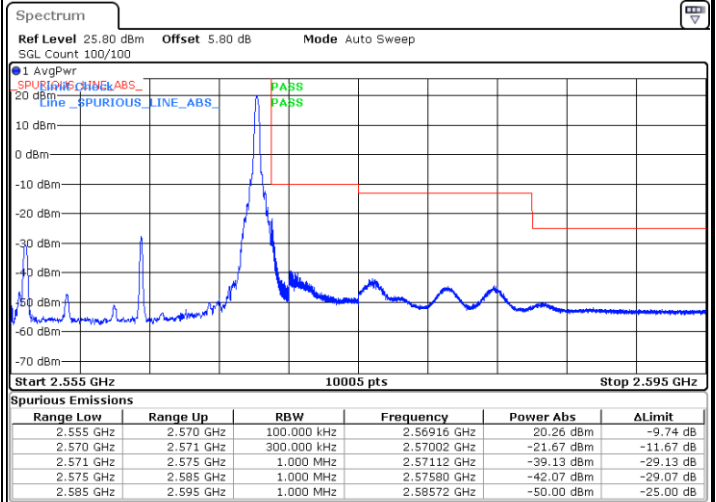
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



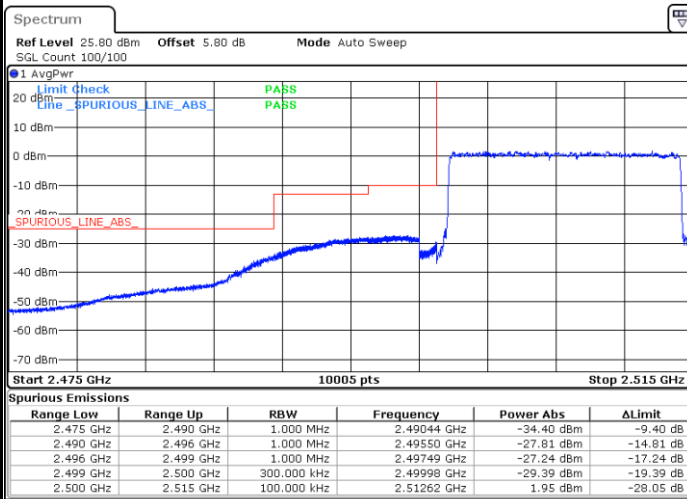
Date: 18.MAY.2020 20:33:41

Highest Band Edge / 1 RB



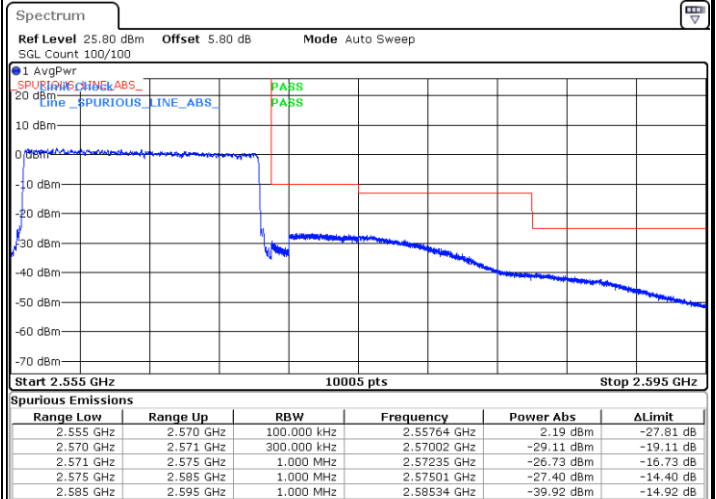
Date: 18.MAY.2020 20:35:58

Lowest Band Edge / Full RB



Date: 18.MAY.2020 20:32:32

Highest Band Edge / Full RB

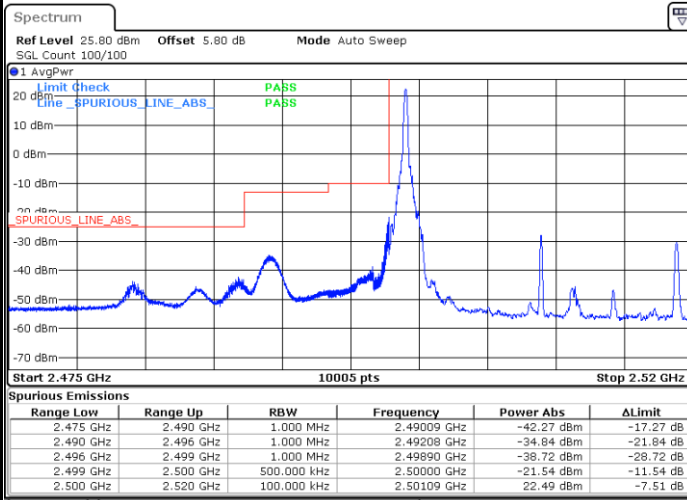


Date: 18.MAY.2020 20:34:50



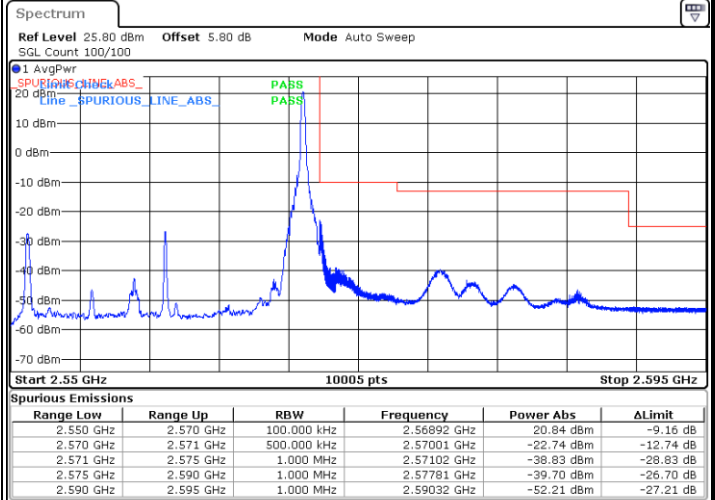
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



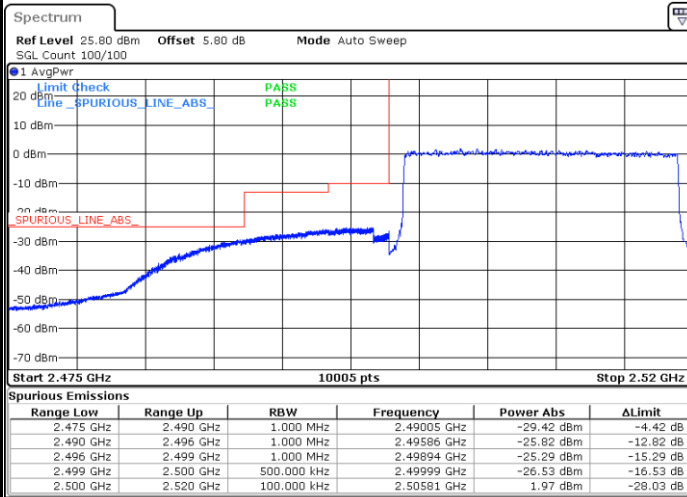
Date: 18.MAY.2020 20:00:12

Highest Band Edge / 1 RB



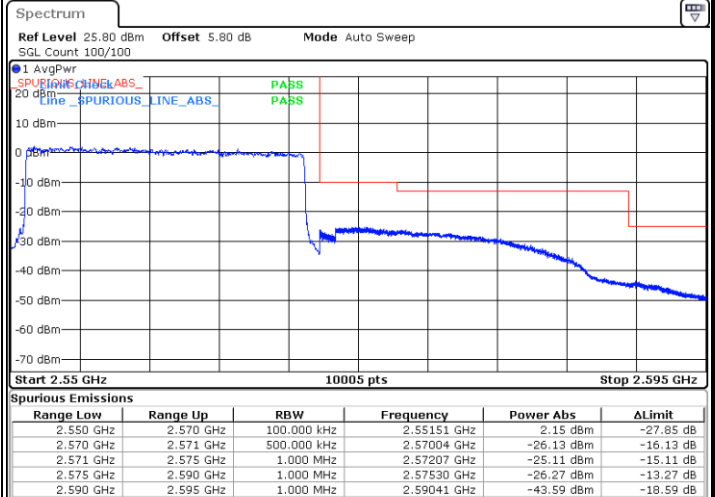
Date: 18.MAY.2020 20:08:14

Lowest Band Edge / Full RB



Date: 18.MAY.2020 20:03:40

Highest Band Edge / Full RB

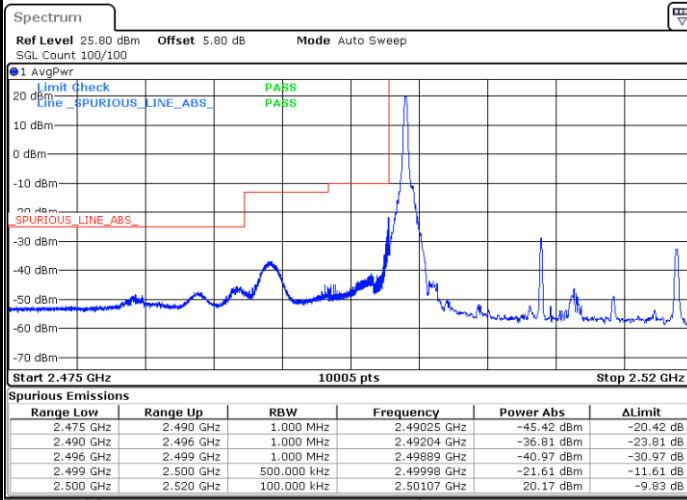


Date: 18.MAY.2020 20:04:48



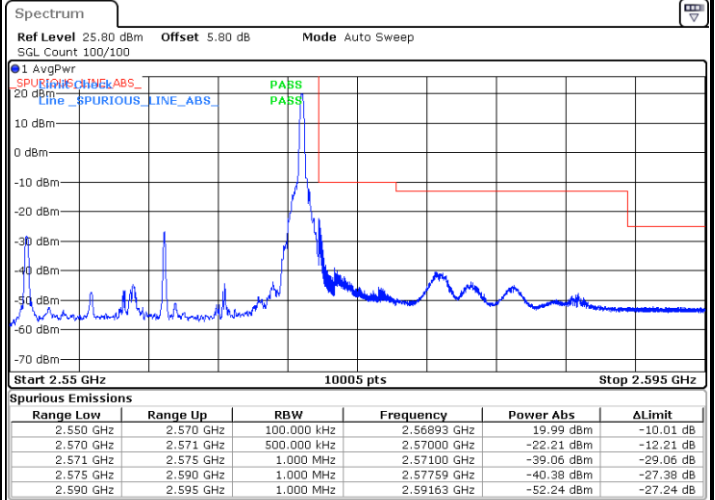
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



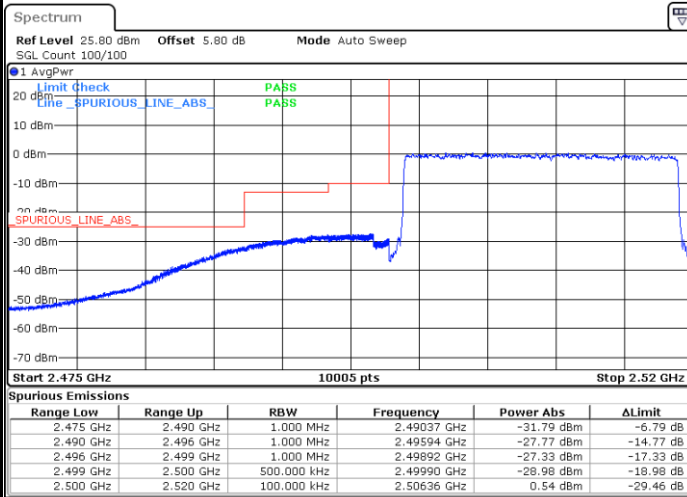
Date: 18.MAY.2020 20:01:22

Highest Band Edge / 1RB



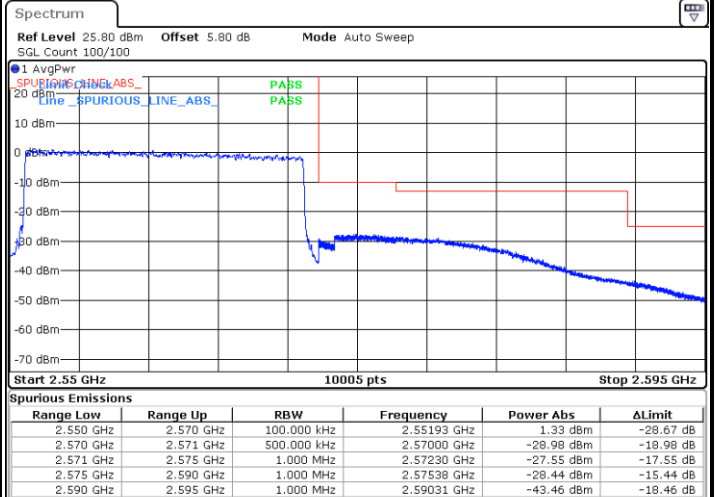
Date: 18.MAY.2020 20:07:05

Lowest Band Edge / Full RB



Date: 18.MAY.2020 20:02:31

Highest Band Edge / Full RB



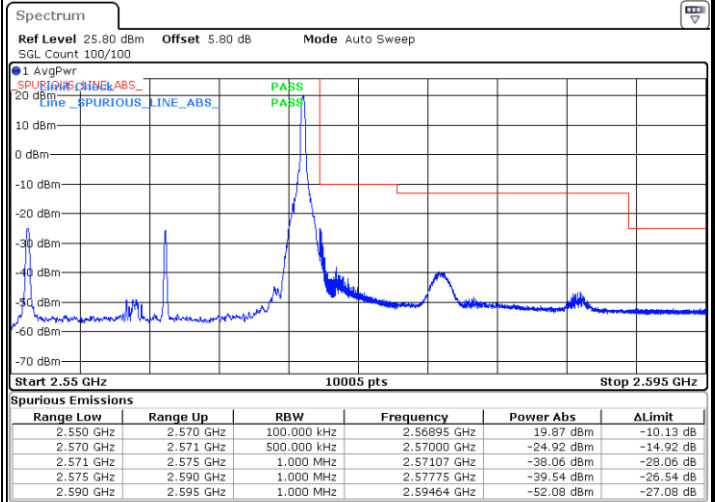
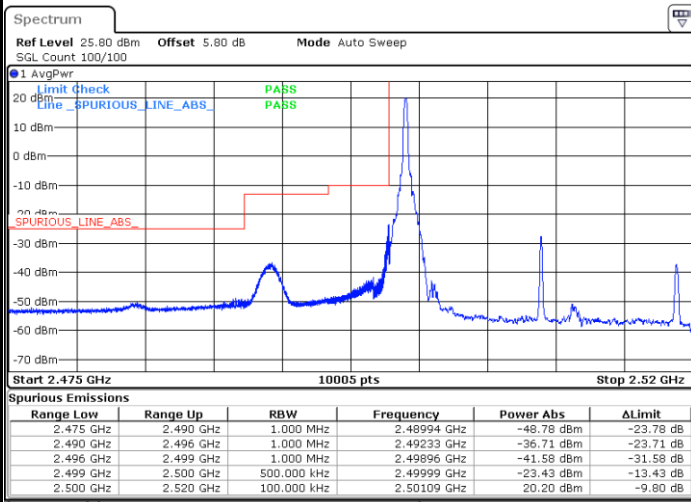
Date: 18.MAY.2020 20:05:57



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

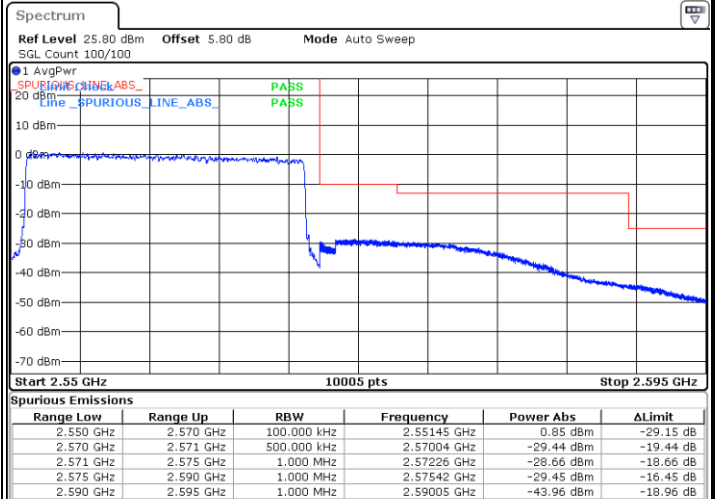
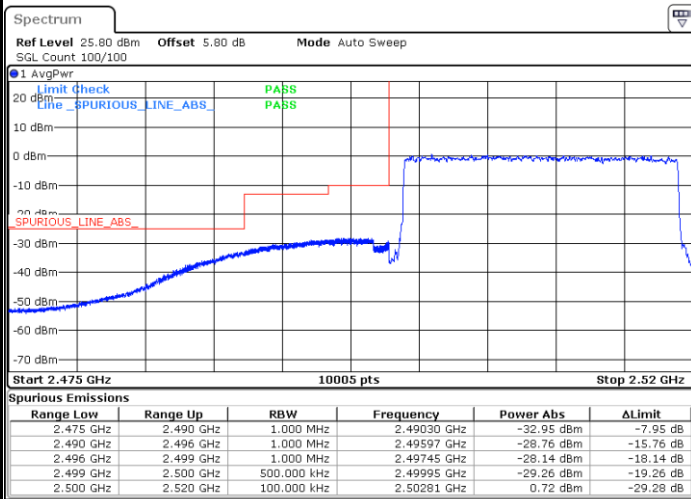


Date: 18.MAY.2020 21:32:26

Date: 18.MAY.2020 21:32:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

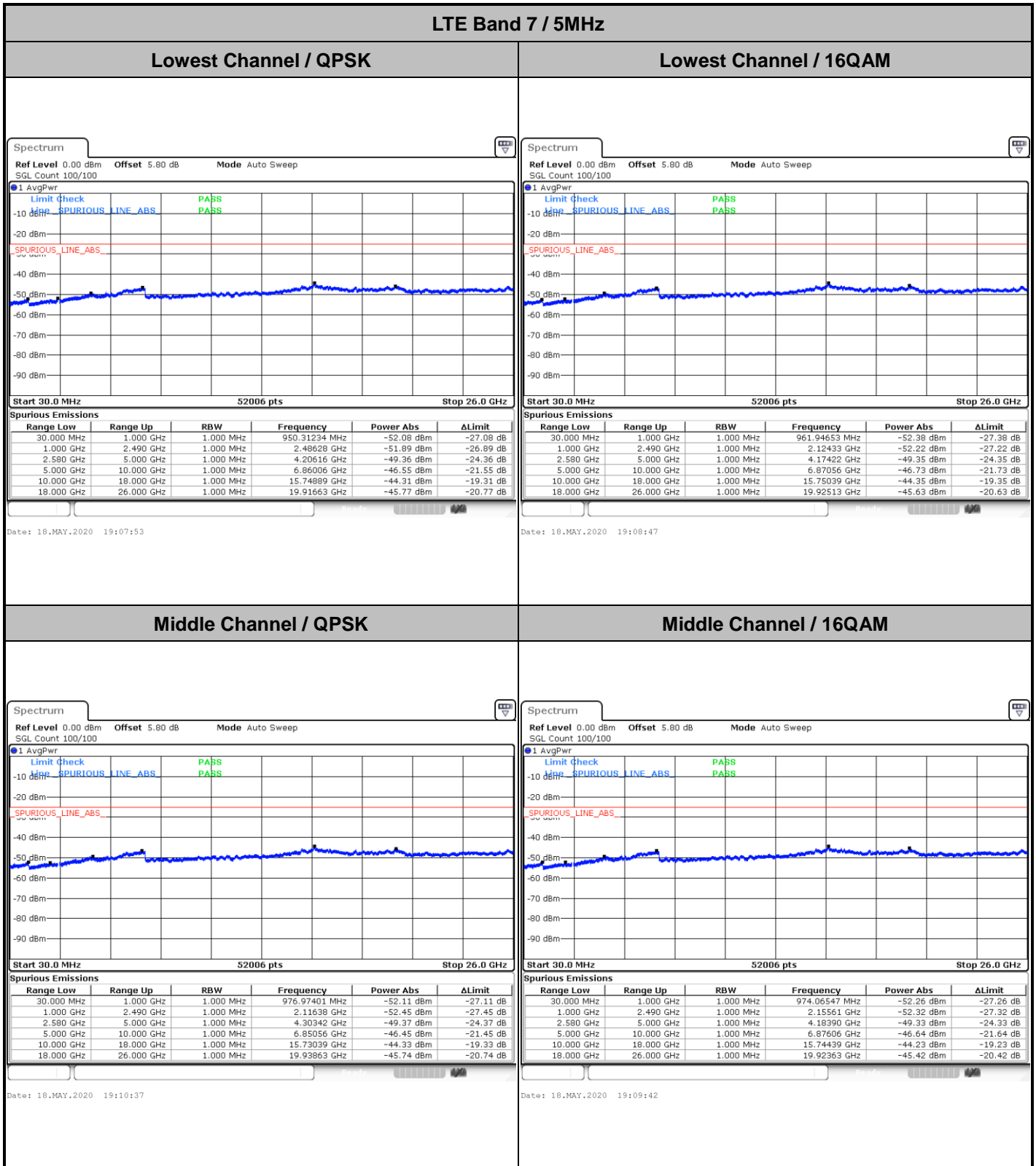


Date: 18.MAY.2020 21:26:17

Date: 18.MAY.2020 21:30:27



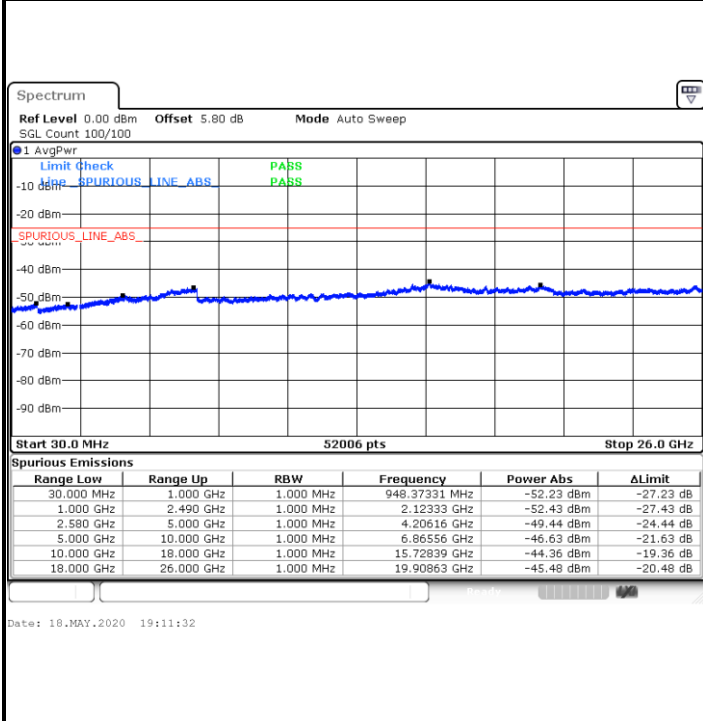
# Conducted Spurious Emission



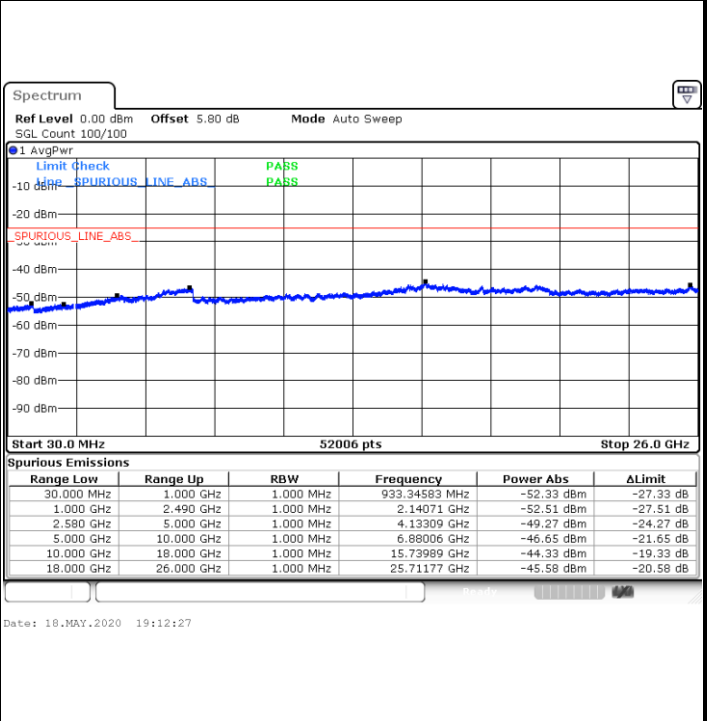


LTE Band 7 / 5MHz

Highest Channel / QPSK

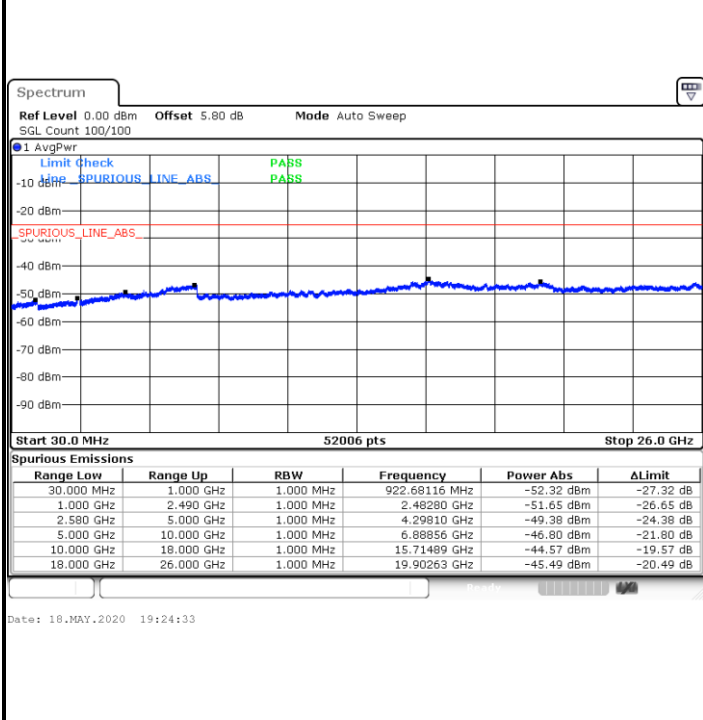


Highest Channel / 16QAM

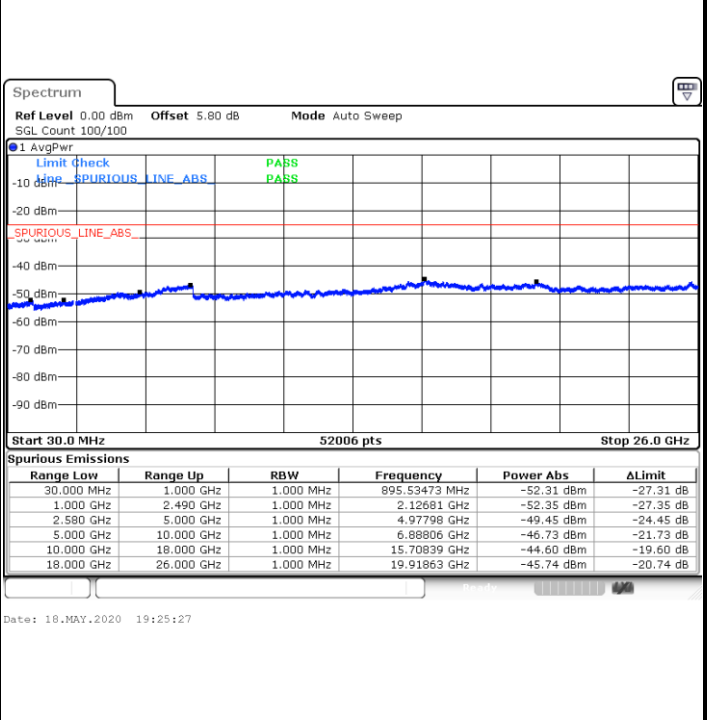


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

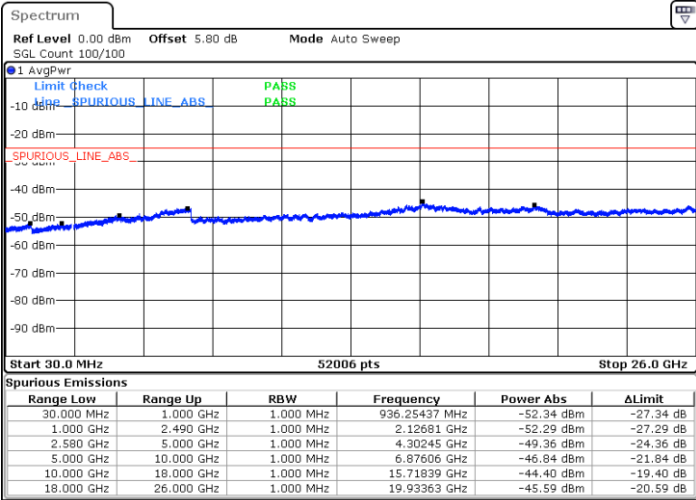




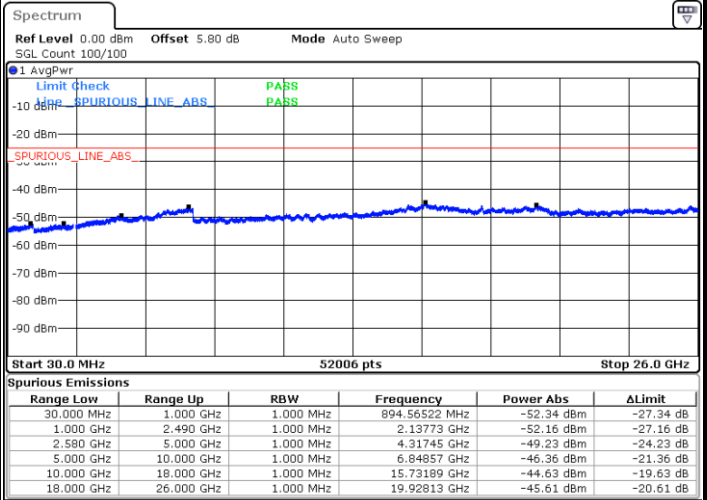
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



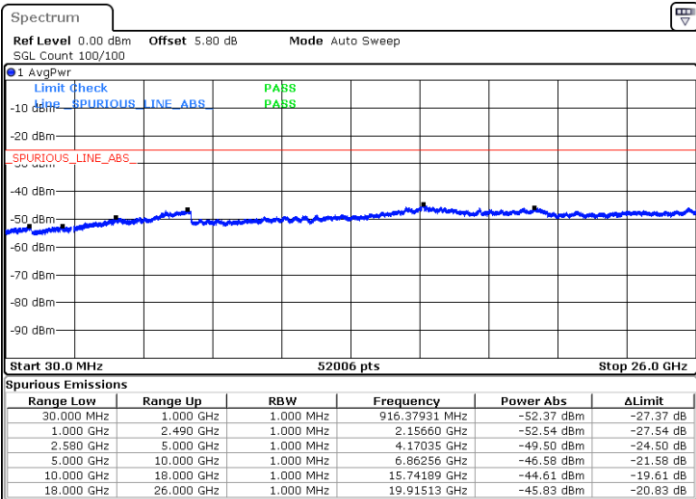
Date: 18.MAY.2020 19:27:17



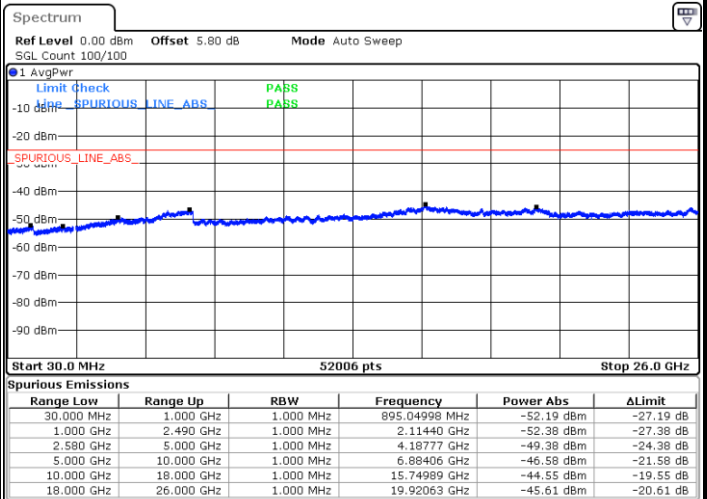
Date: 18.MAY.2020 19:26:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18.MAY.2020 19:28:12



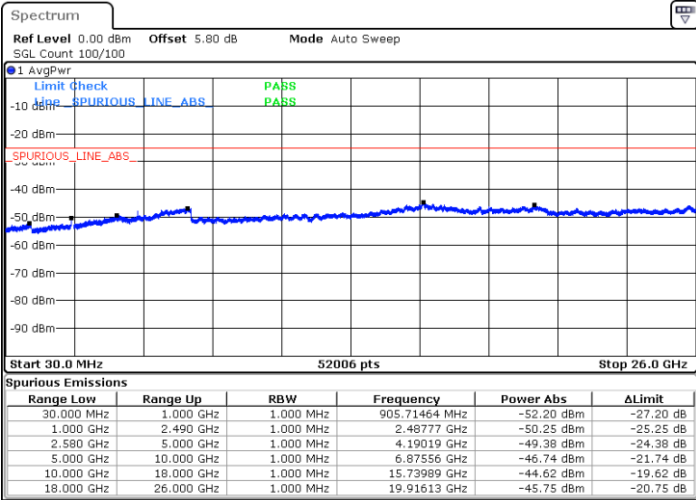
Date: 18.MAY.2020 19:29:06



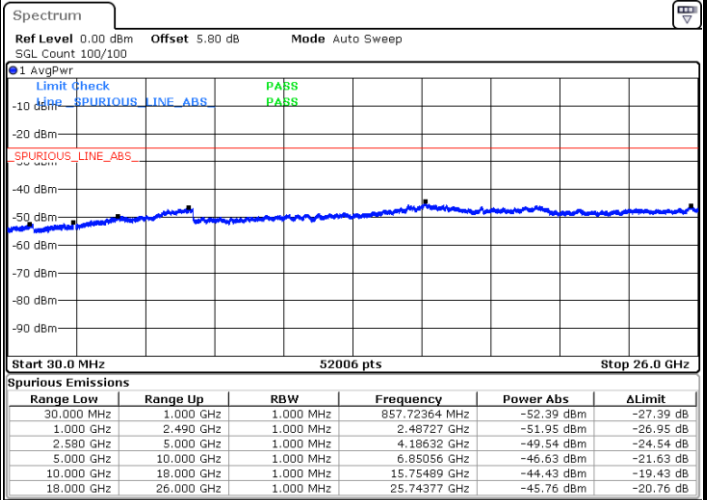
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



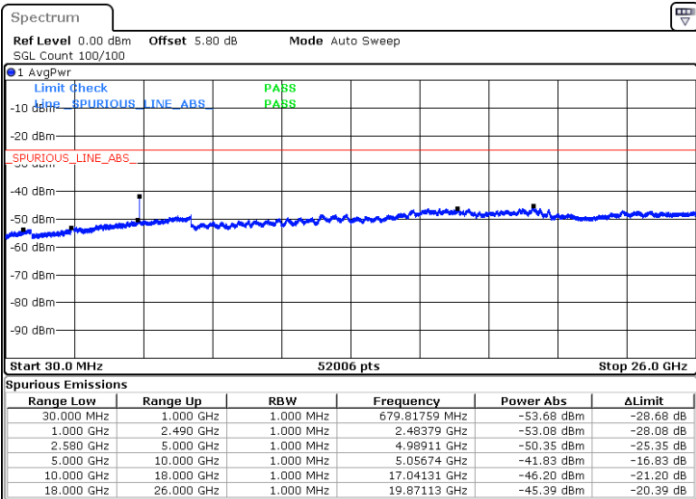
Date: 18.MAY.2020 19:41:14



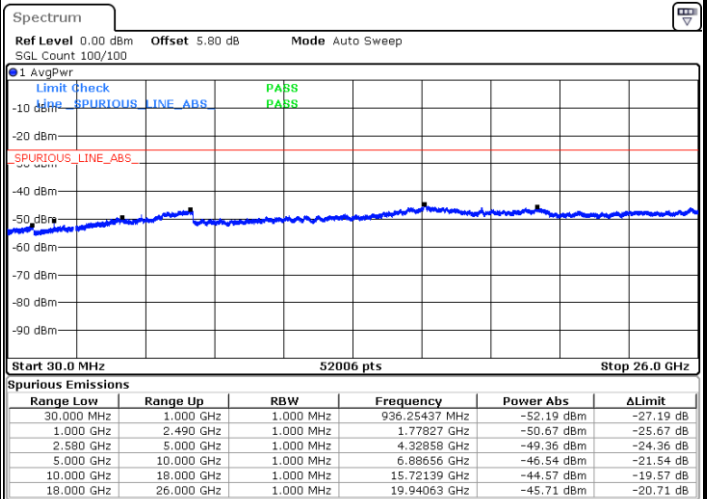
Date: 18.MAY.2020 19:42:09

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 18.MAY.2020 22:25:28



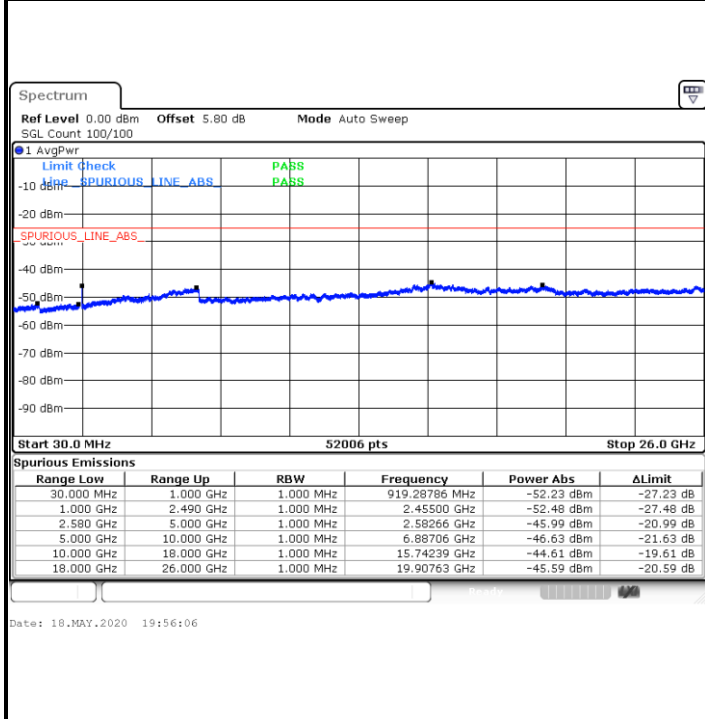
Date: 18.MAY.2020 19:54:17



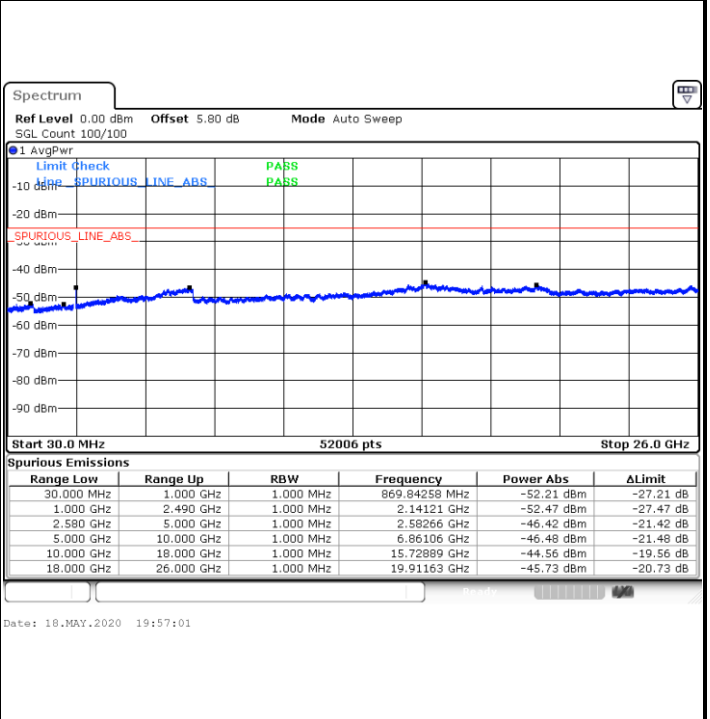


LTE Band 7 / 15MHz

Highest Channel / QPSK

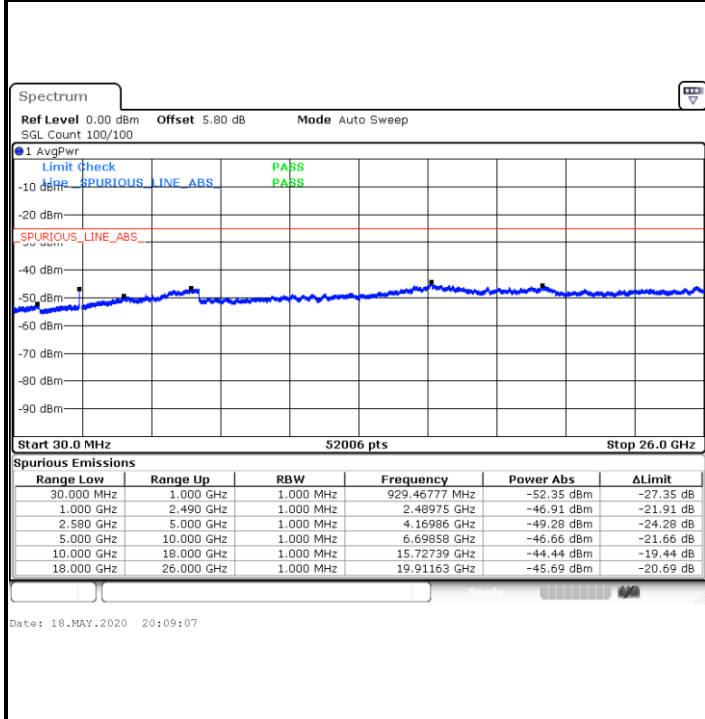


Highest Channel / 16QAM

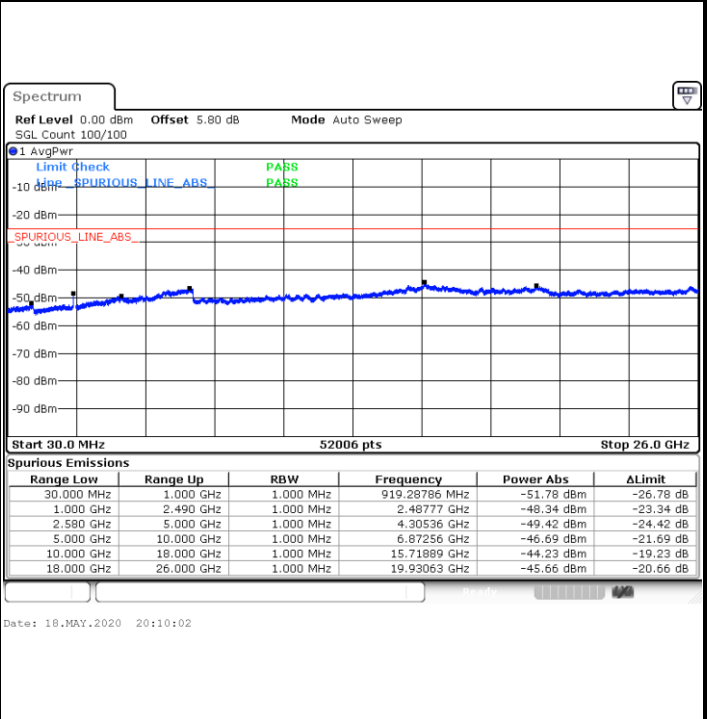


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

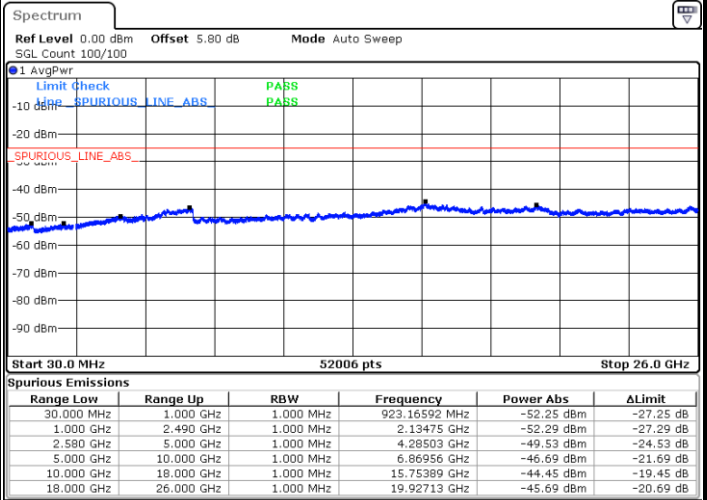
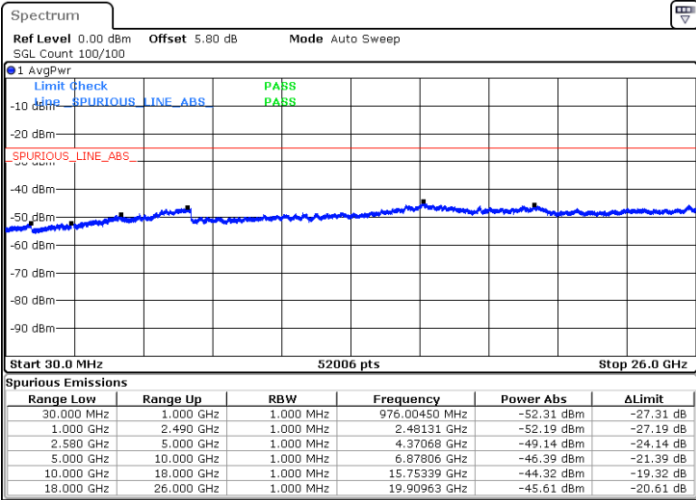




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

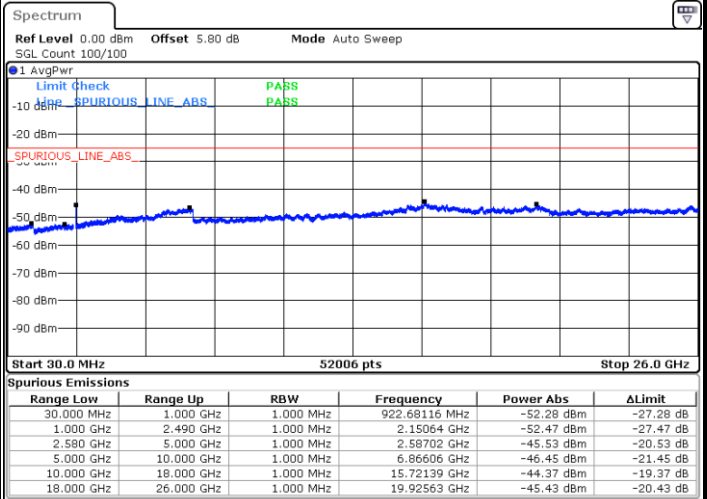
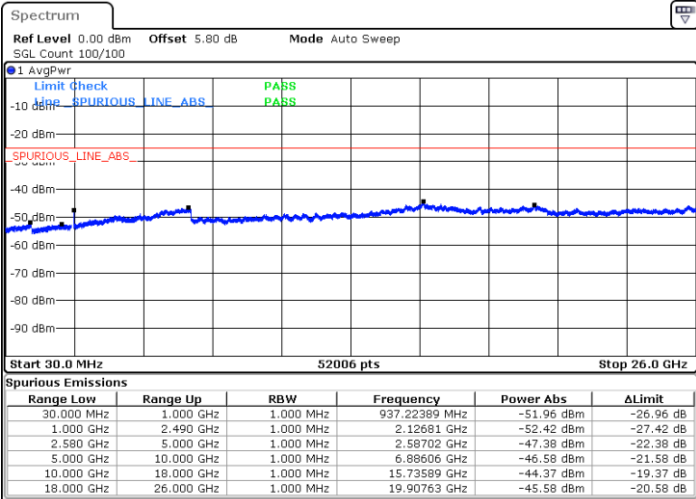


Date: 18.MAY.2020 20:11:52

Date: 18.MAY.2020 20:10:57

Highest Channel / QPSK

Highest Channel / 16QAM



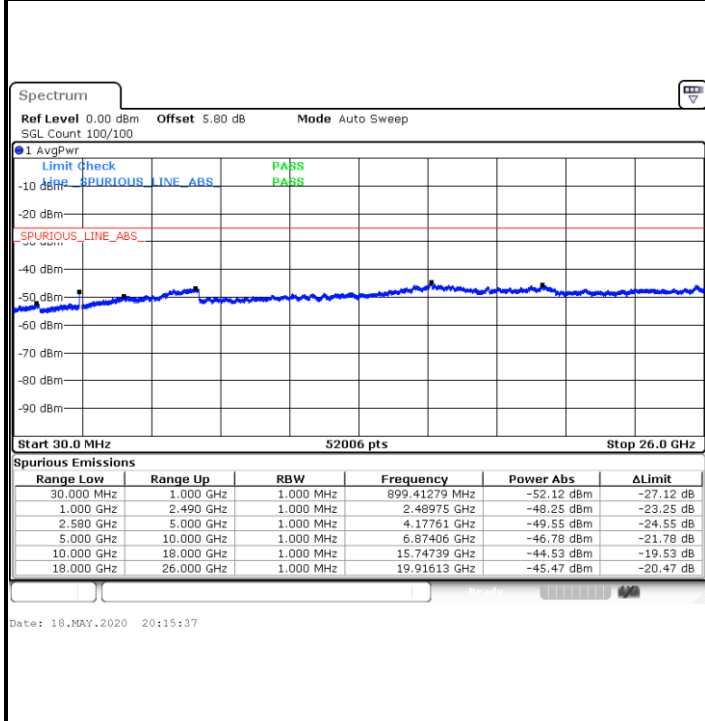
Date: 18.MAY.2020 20:12:46

Date: 18.MAY.2020 20:13:41

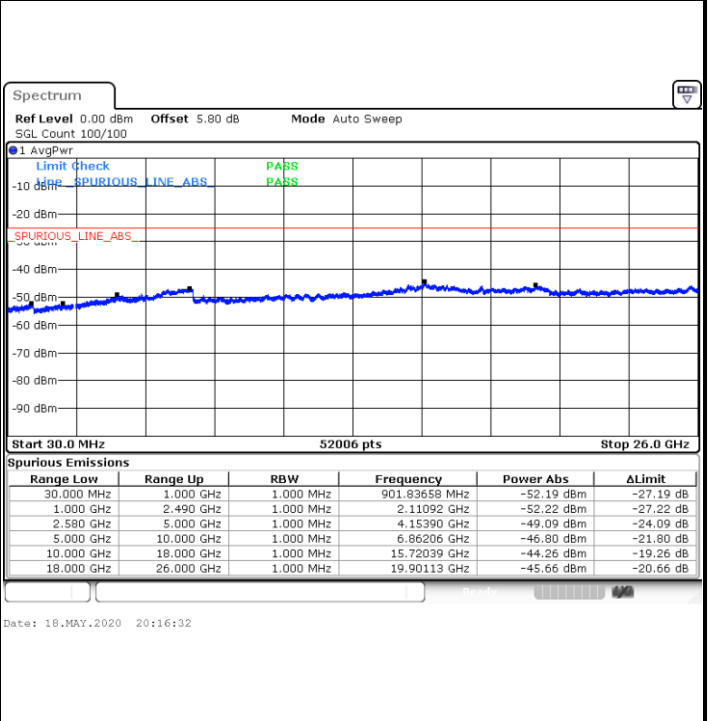


**LTE Band 7 / 5MHz**

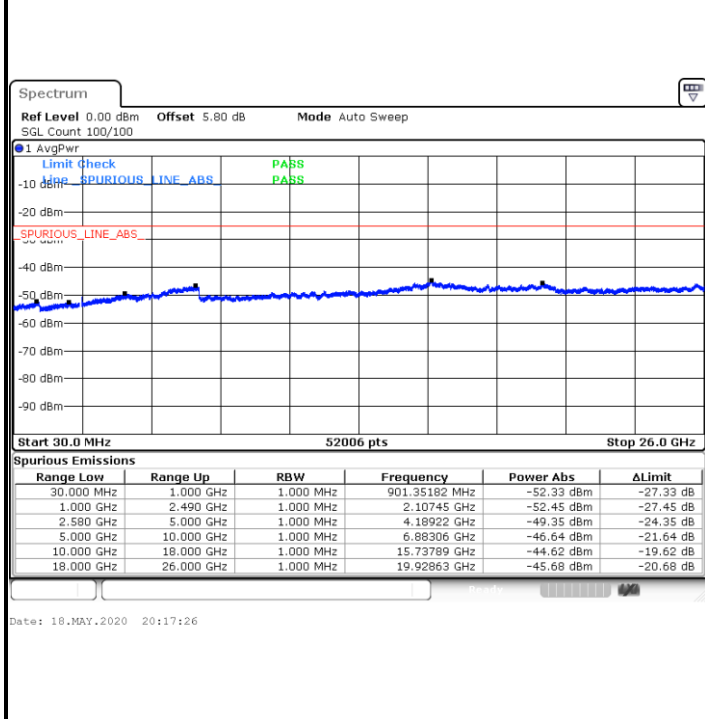
**Lowest Channel / 64QAM**



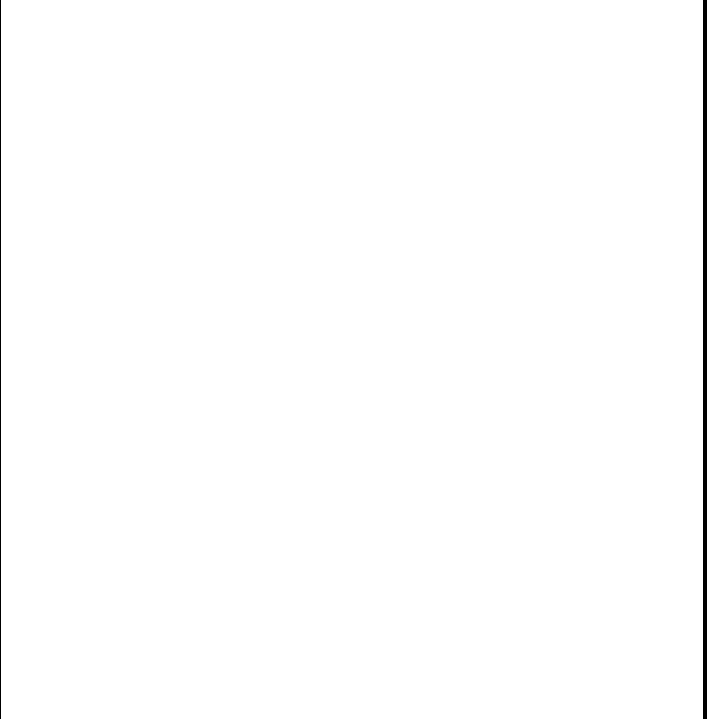
**Middle Channel / 64QAM**



**Highest Channel / 64QAM**



**Highest Channel / 64QAM**

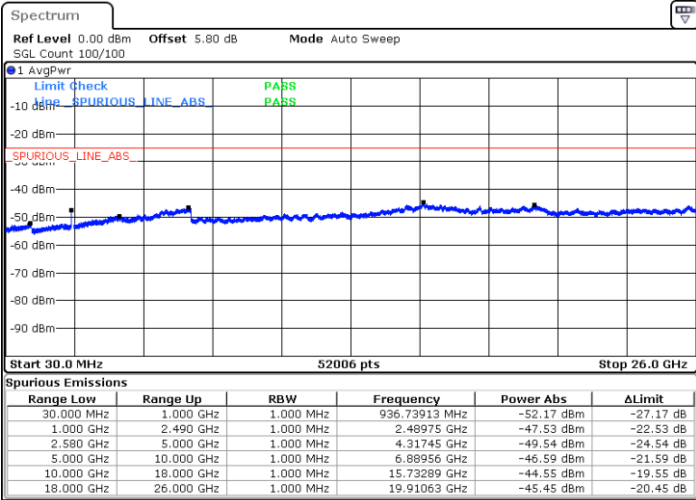




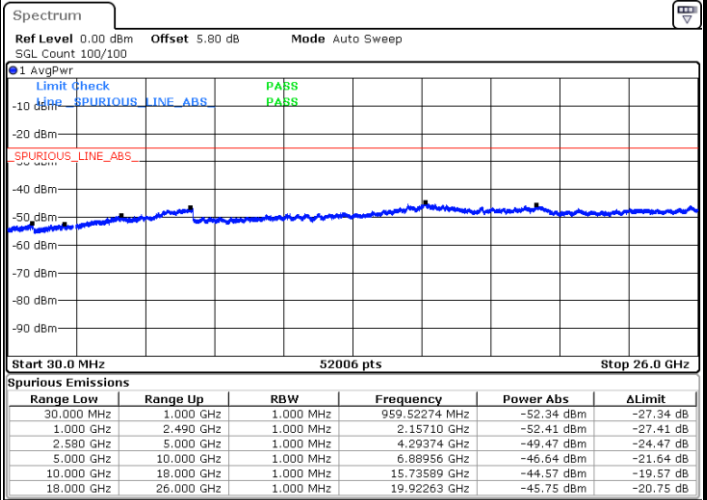
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

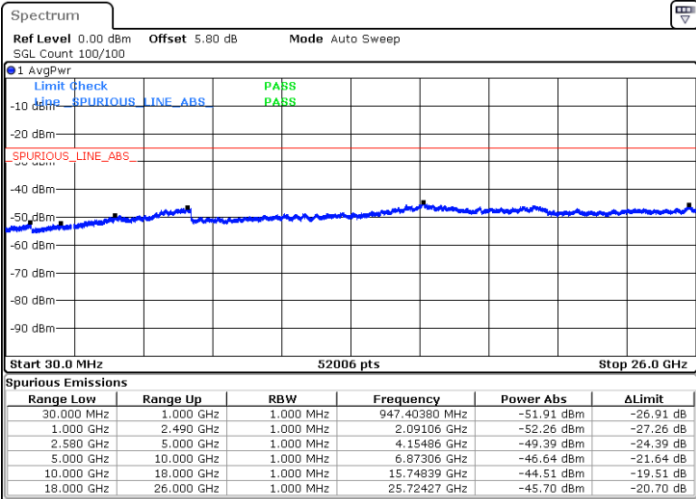


Date: 18.MAY.2020 20:23:57



Date: 18.MAY.2020 20:24:52

Highest Channel / 64QAM



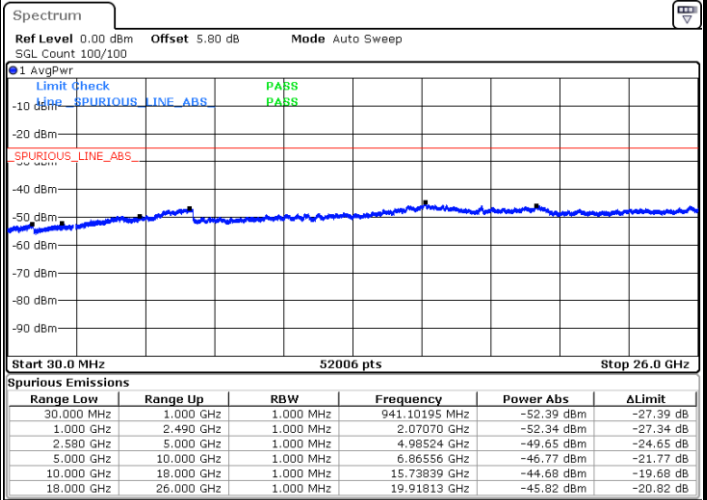
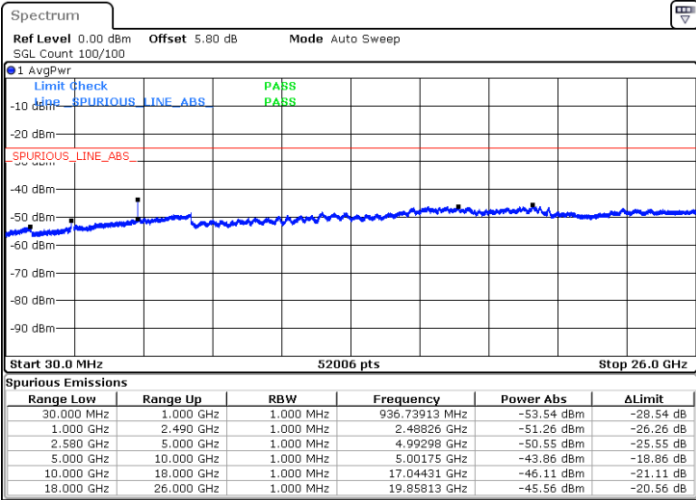
Date: 18.MAY.2020 20:25:47



LTE Band 7 / 15MHz

Lowest Channel / 64QAM

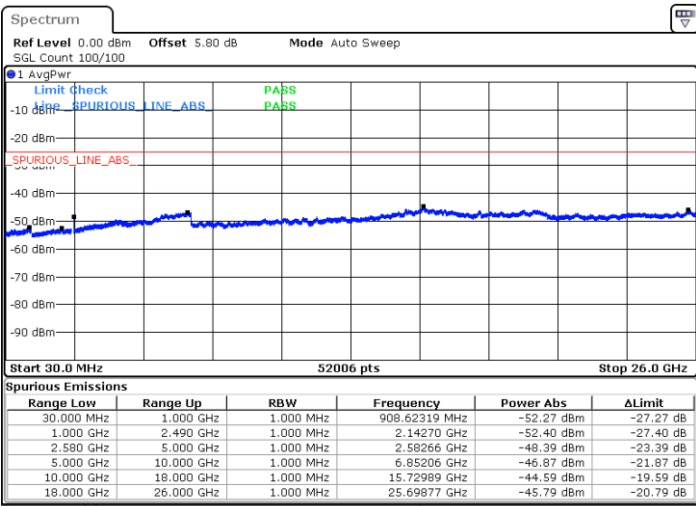
Middle Channel / 64QAM



Date: 18.MAY.2020 22:23:03

Date: 18.MAY.2020 21:16:38

Highest Channel / 64QAM



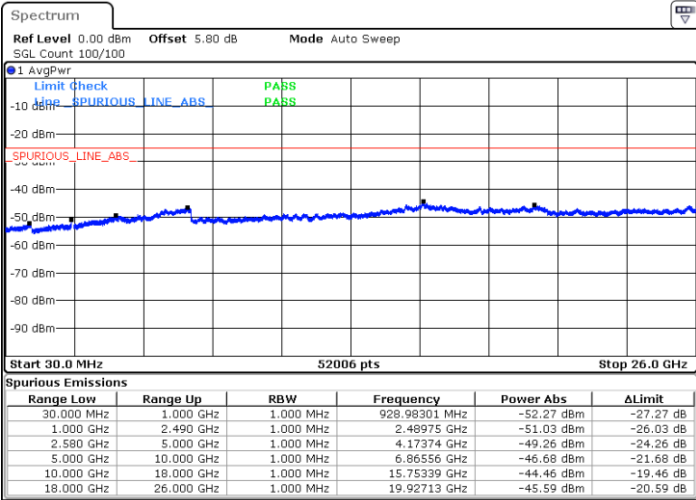
Date: 18.MAY.2020 21:17:39



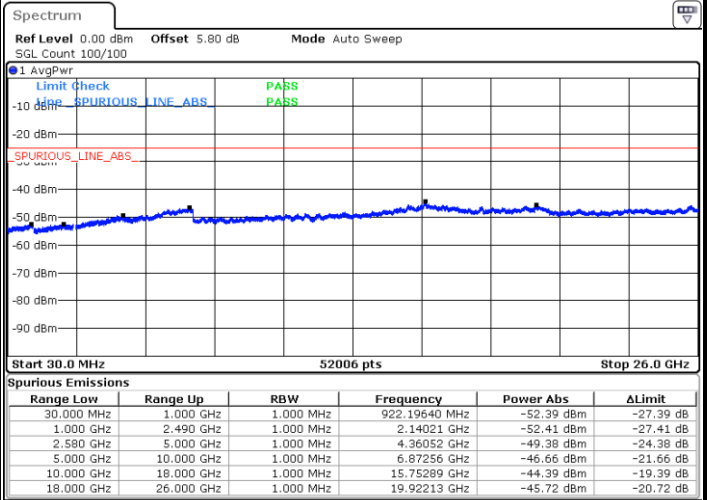
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

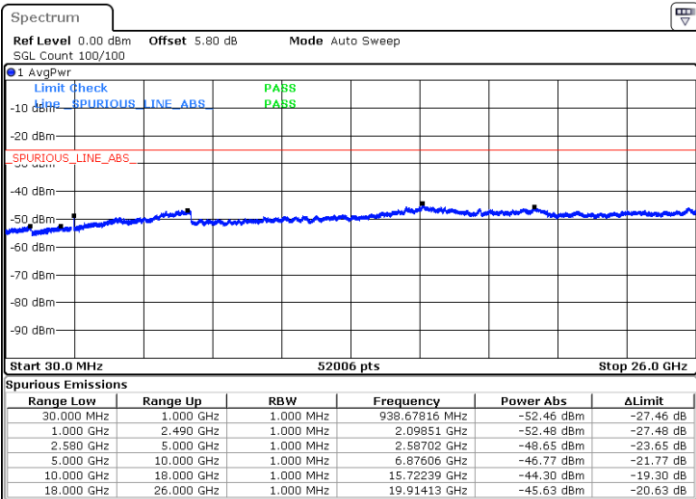


Date: 18.MAY.2020 21:27:29



Date: 18.MAY.2020 21:28:46

Highest Channel / 64QAM



Date: 18.MAY.2020 21:31:18



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	0.0021	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

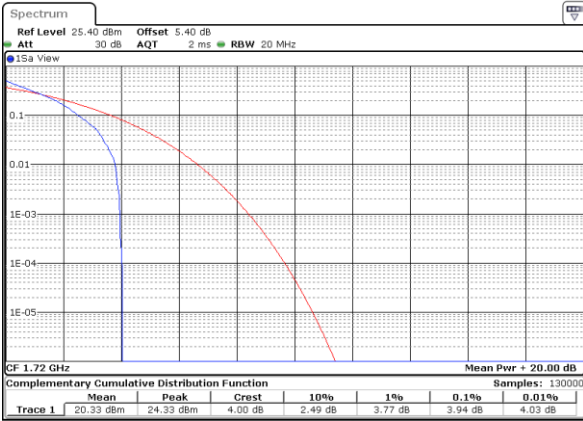
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.94	4.64	4.84	5.62	PASS
Middle CH	3.83	4.43	4.41	5.54	
Highest CH	4.41	4.58	5.07	5.62	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.75	5.68	-	-	PASS
Middle CH	4.61	5.51	-	-	
Highest CH	5.30	5.54	-	-	





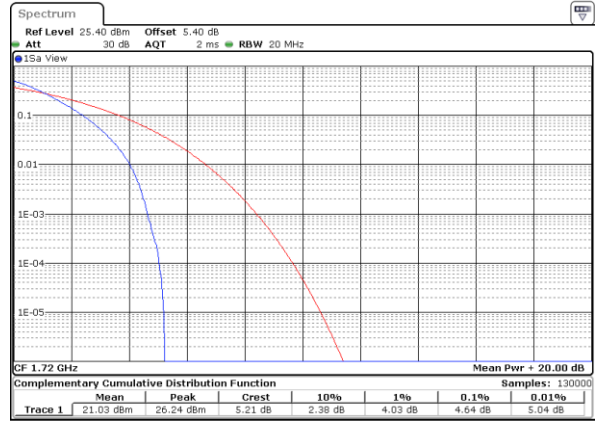
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



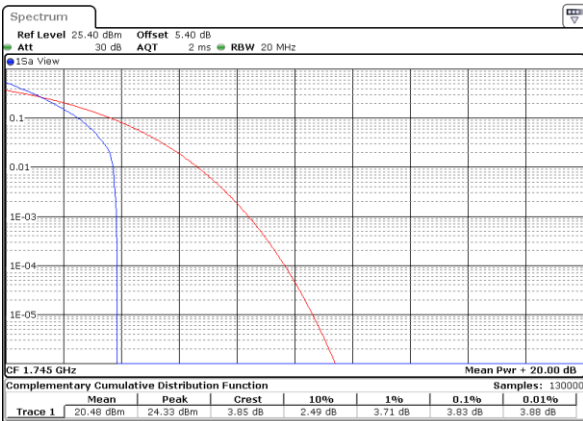
Date: 5 MAY 2020 14:54:53

Lowest Channel / Full RB



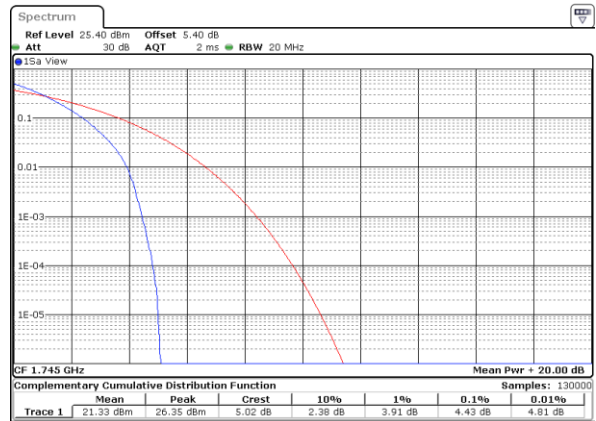
Date: 5 MAY 2020 14:56:47

Middle Channel / 1RB



Date: 5 MAY 2020 14:47:43

Middle Channel / Full RB



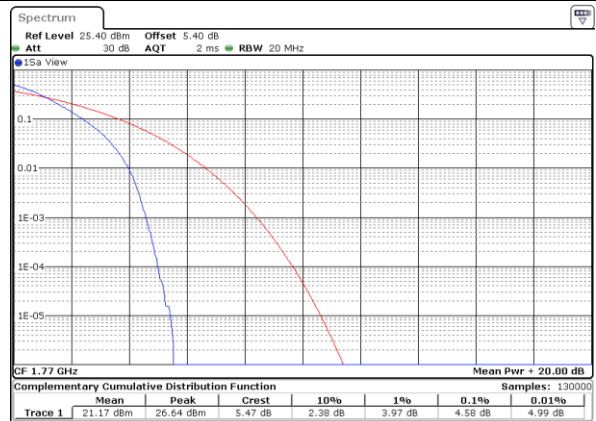
Date: 5 MAY 2020 14:47:08

Highest Channel / 1RB



Date: 5 MAY 2020 15:10:39

Highest Channel / Full RB

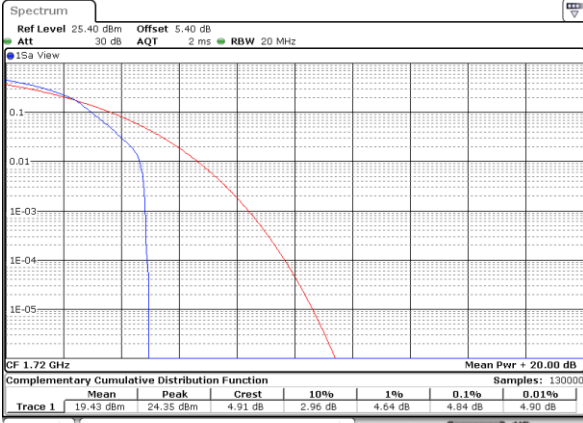


Date: 5 MAY 2020 15:09:03



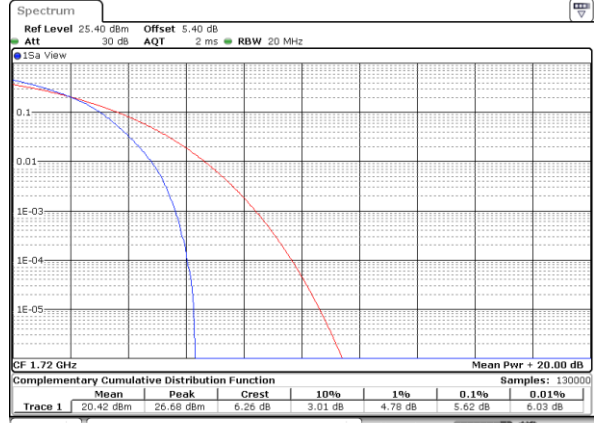
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



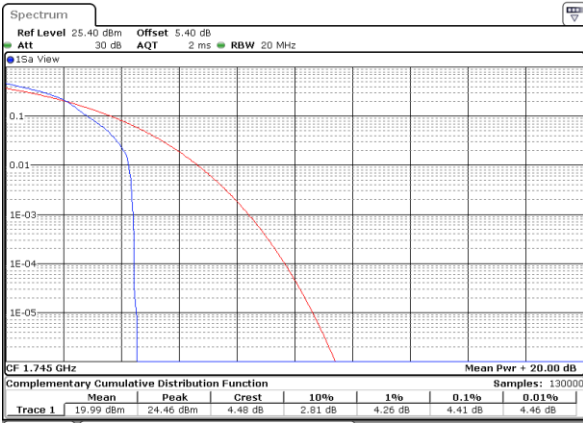
Date: 5 MAY 2020 14:53:30

Lowest Channel / Full RB



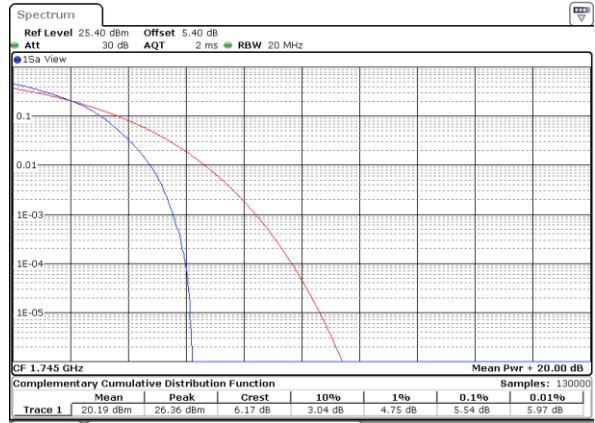
Date: 5 MAY 2020 14:57:36

Middle Channel / 1RB



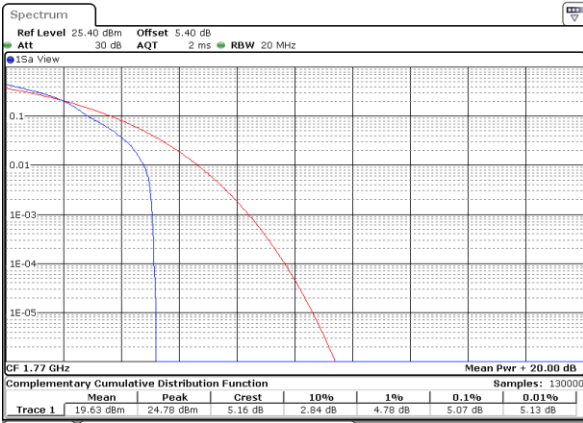
Date: 5 MAY 2020 14:48:45

Middle Channel / Full RB



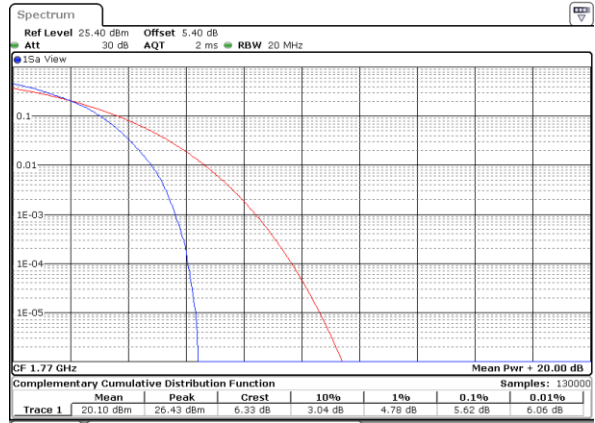
Date: 5 MAY 2020 14:46:27

Highest Channel / 1RB



Date: 5 MAY 2020 15:11:58

Highest Channel / Full RB

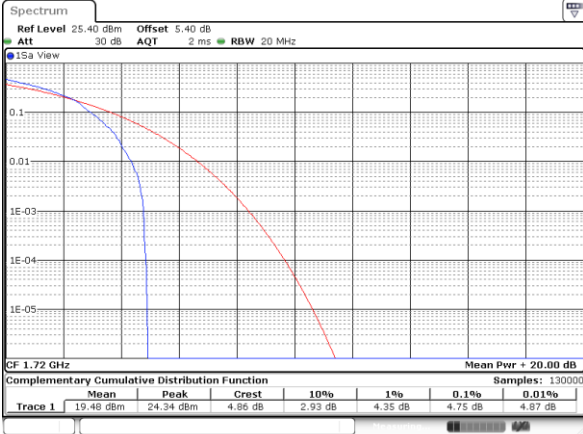


Date: 5 MAY 2020 15:07:41



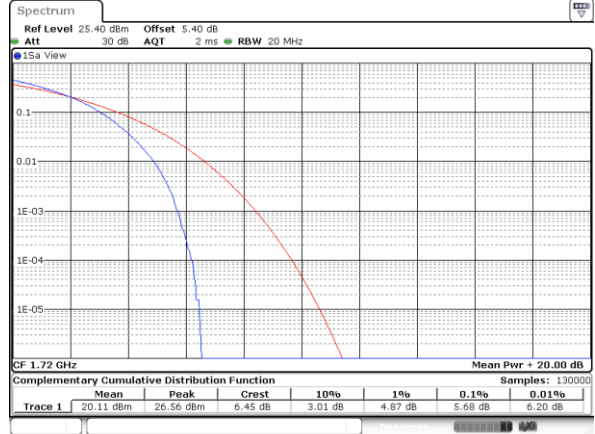
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



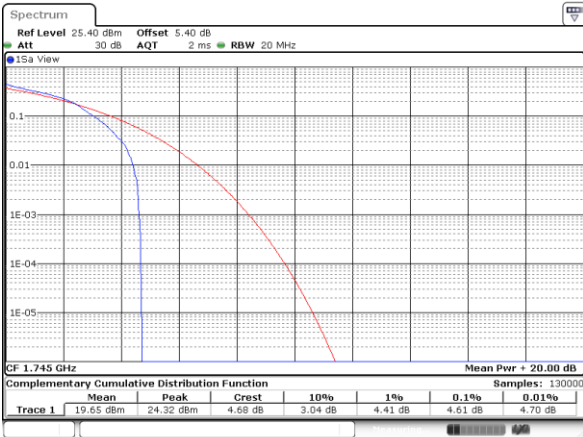
Date: 5 MAY 2020 14:51:26

Lowest Channel / Full RB



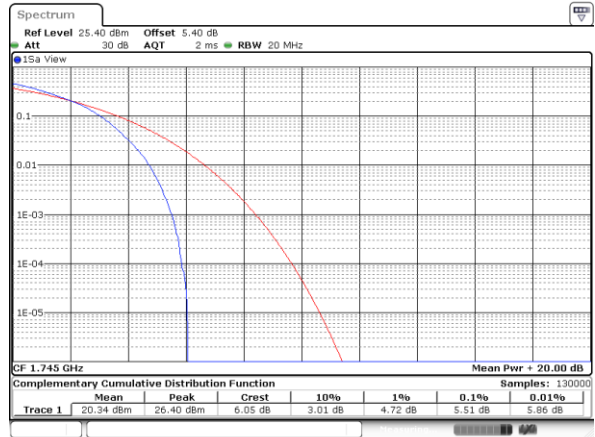
Date: 5 MAY 2020 14:58:32

Middle Channel / 1RB



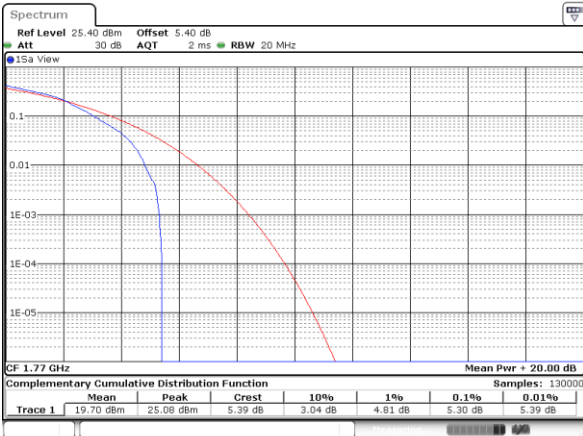
Date: 5 MAY 2020 14:49:48

Middle Channel / Full RB



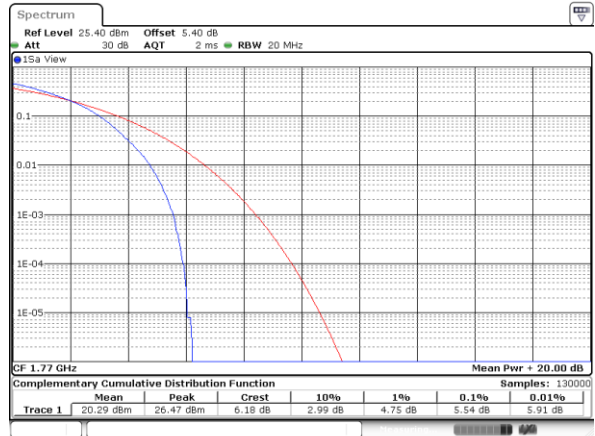
Date: 5 MAY 2020 14:46:47

Highest Channel / 1RB



Date: 5 MAY 2020 15:12:47

Highest Channel / Full RB



Date: 5 MAY 2020 15:02:01



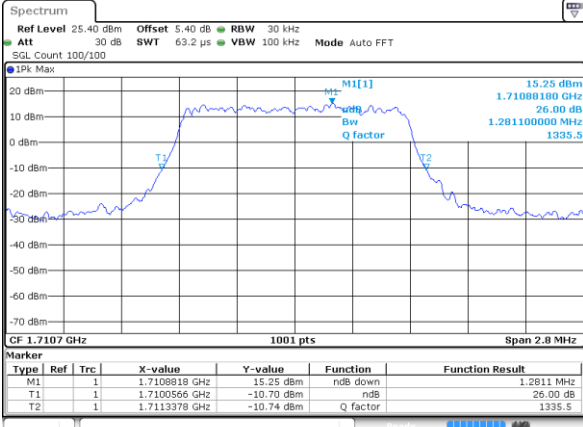
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.28	1.28	3.02	2.97	4.97	4.87	9.79	9.61	14.54	14.30	18.78	19.22
Middle CH	1.28	1.27	3.02	3.05	4.92	4.97	9.79	9.81	14.30	14.42	18.74	18.98
Highest CH	1.30	1.26	3.00	2.99	5.06	4.90	9.81	9.63	14.54	14.12	19.06	18.98
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.29		2.97		4.86		9.83		14.12		19.22	
Middle CH	1.27		3.01		4.91		9.81		14.24		18.98	
Highest CH	1.26		2.99		4.92		9.99		14.51		18.90	



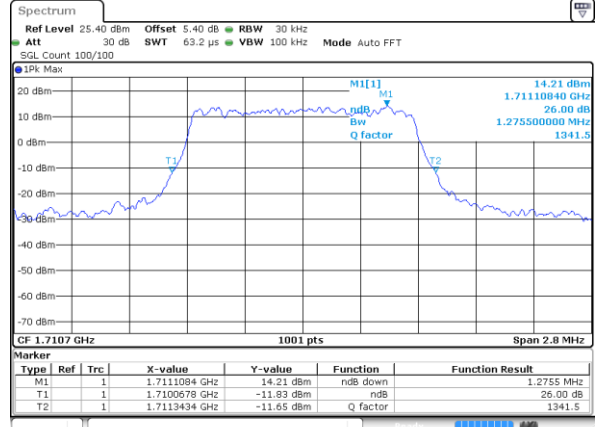
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



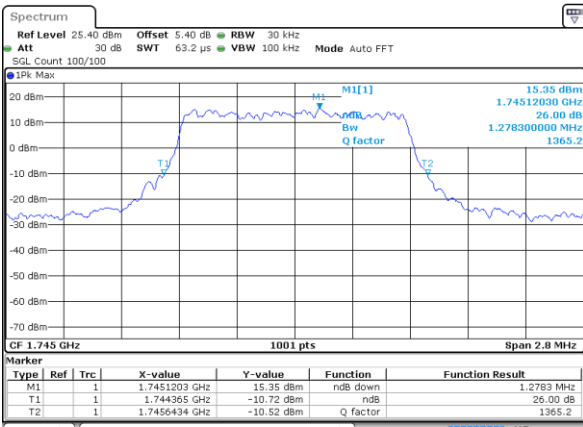
Date: 5 MAY 2020 10:36:22

Lowest Channel / 1.4MHz / 16QAM



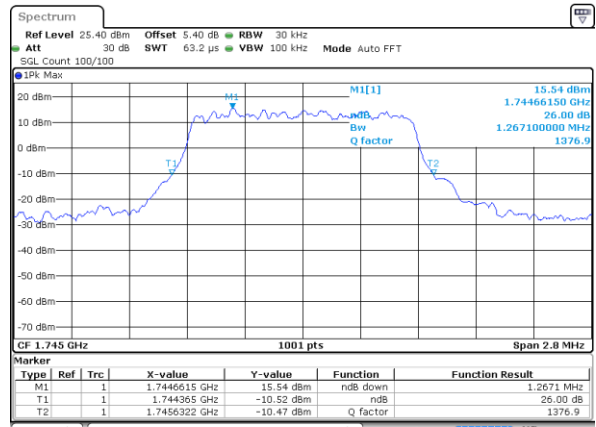
Date: 5 MAY 2020 10:38:33

Middle Channel / 1.4MHz / QPSK



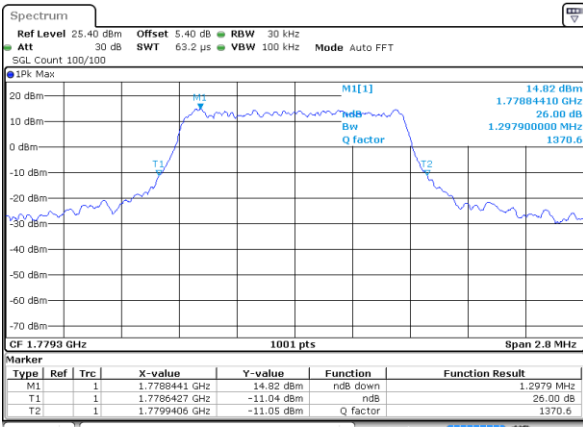
Date: 5 MAY 2020 11:22:21

Middle Channel / 1.4MHz / 16QAM



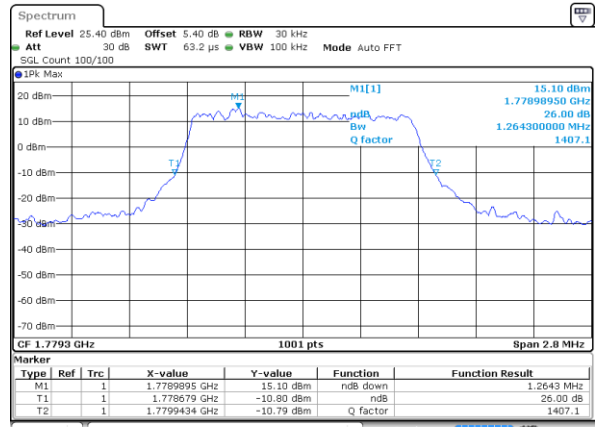
Date: 5 MAY 2020 11:22:51

Highest Channel / 1.4MHz / QPSK



Date: 5 MAY 2020 11:28:56

Highest Channel / 1.4MHz / 16QAM

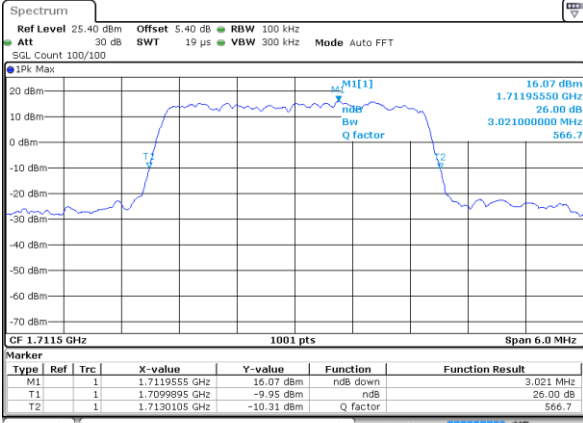


Date: 5 MAY 2020 11:26:40



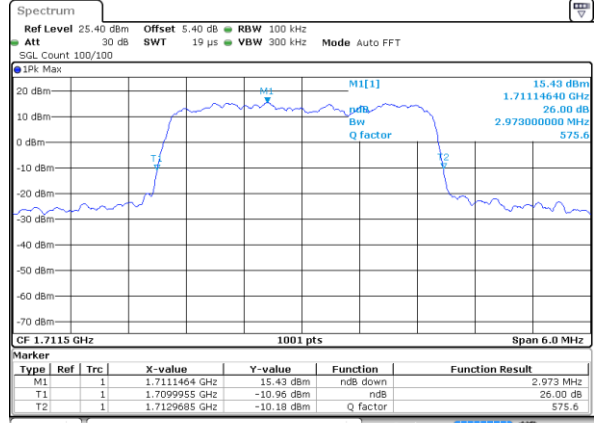
LTE Band 66

Lowest Channel / 3MHz / QPSK



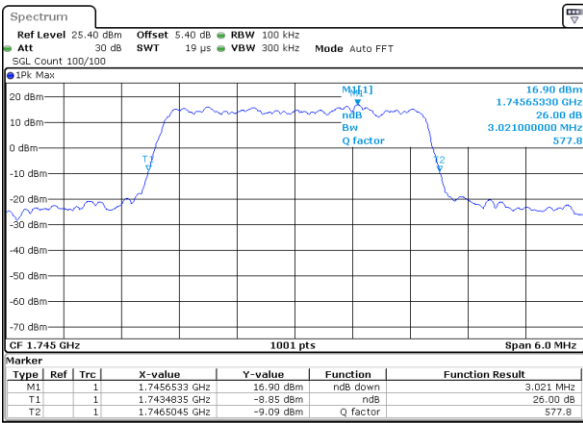
Date: 5 MAY 2020 12:05:42

Lowest Channel / 3MHz / 16QAM



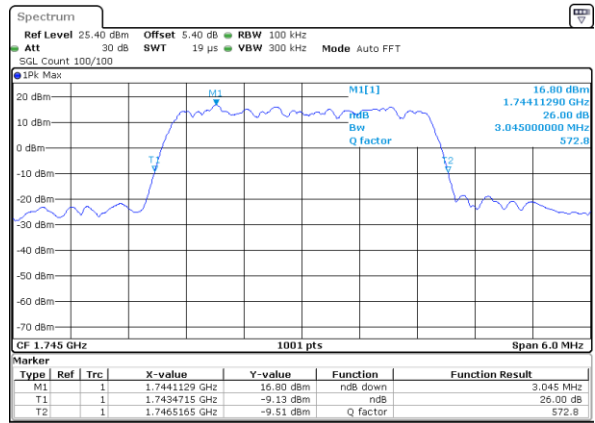
Date: 5 MAY 2020 12:04:11

Middle Channel / 3MHz / QPSK



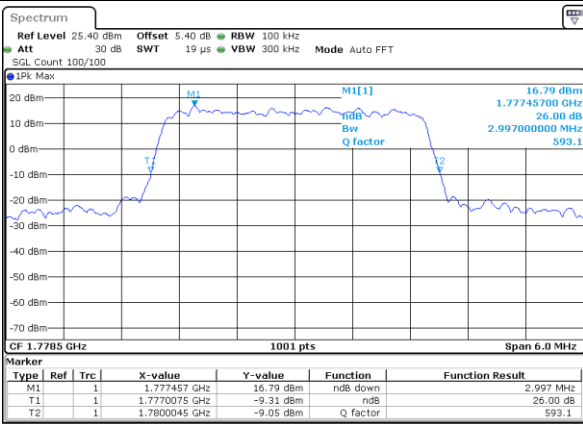
Date: 5 MAY 2020 11:50:20

Middle Channel / 3MHz / 16QAM



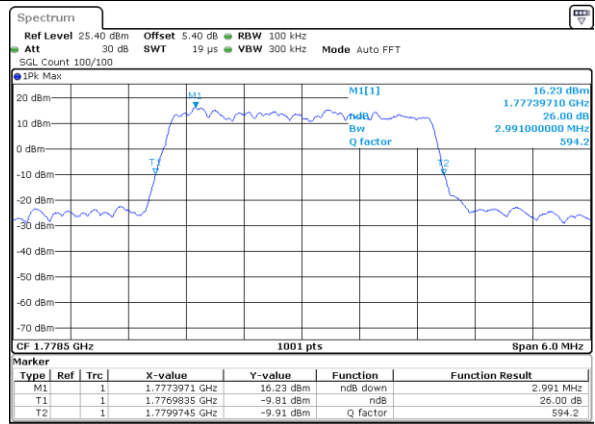
Date: 5 MAY 2020 11:50:51

Highest Channel / 3MHz / QPSK



Date: 5 MAY 2020 12:07:29

Highest Channel / 3MHz / 16QAM

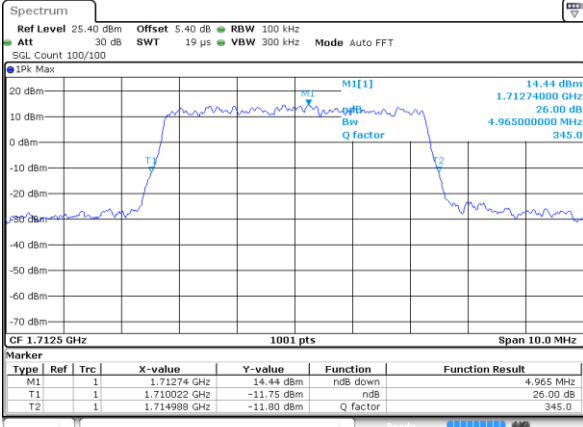


Date: 5 MAY 2020 12:08:41



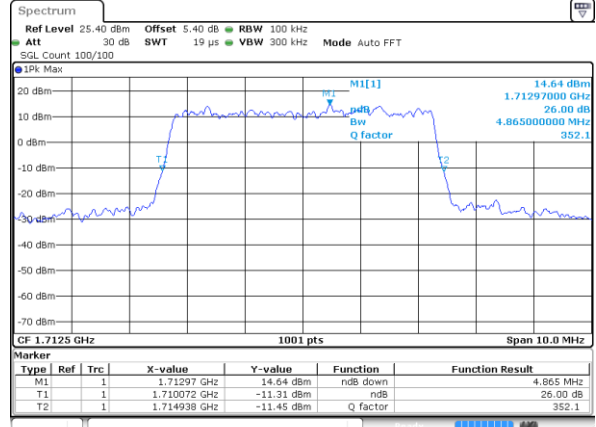
LTE Band 66

Lowest Channel / 5MHz / QPSK



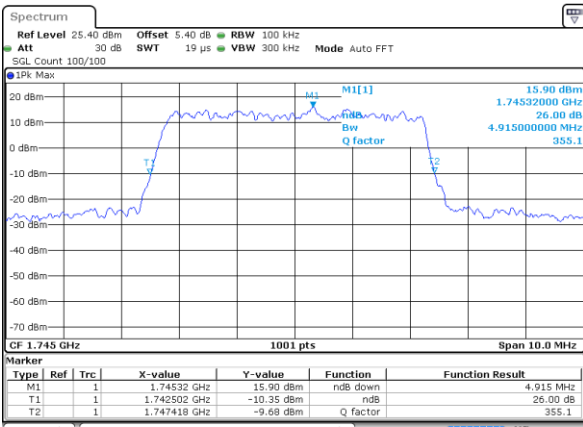
Date: 5 MAY 2020 12:49:49

Lowest Channel / 5MHz / 16QAM



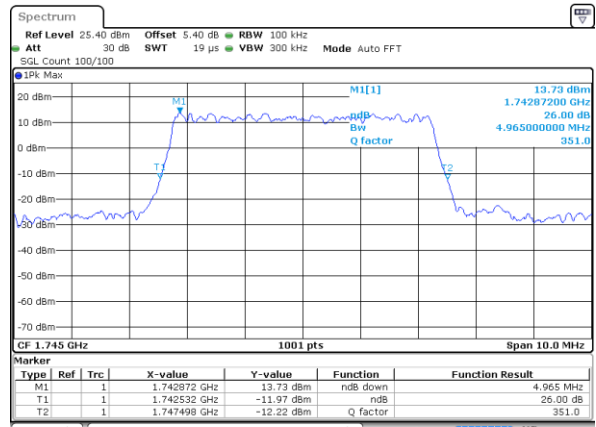
Date: 5 MAY 2020 12:47:16

Middle Channel / 5MHz / QPSK



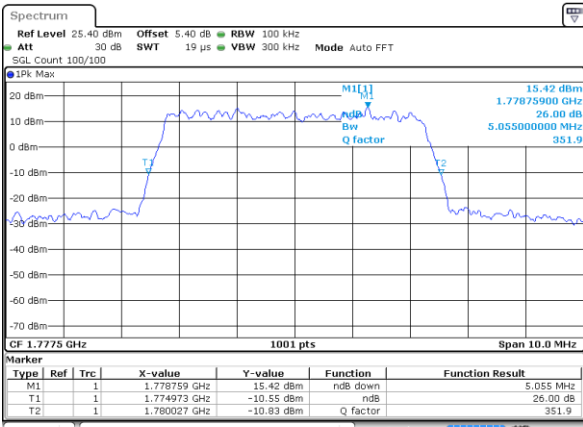
Date: 5 MAY 2020 12:22:58

Middle Channel / 5MHz / 16QAM



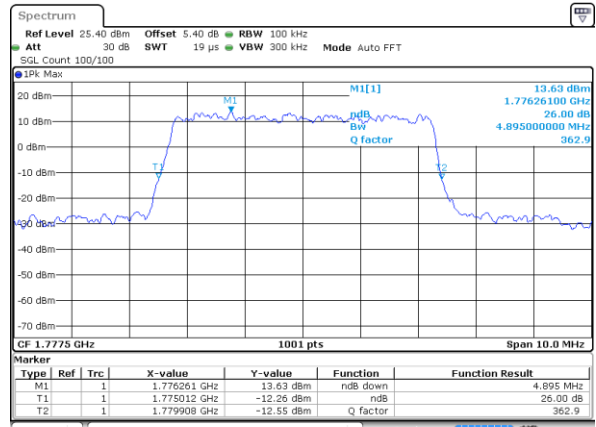
Date: 5 MAY 2020 12:22:28

Highest Channel / 5MHz / QPSK



Date: 5 MAY 2020 12:50:54

Highest Channel / 5MHz / 16QAM

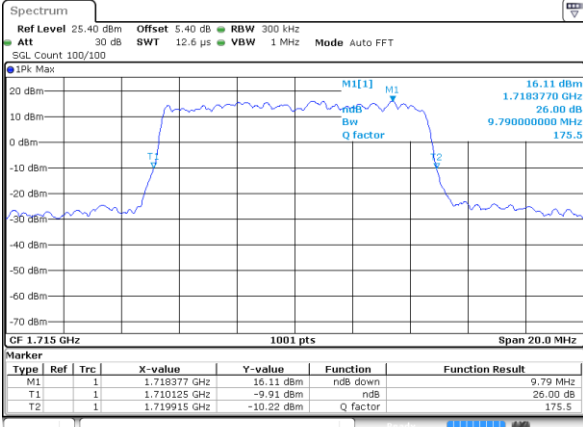


Date: 5 MAY 2020 12:51:40



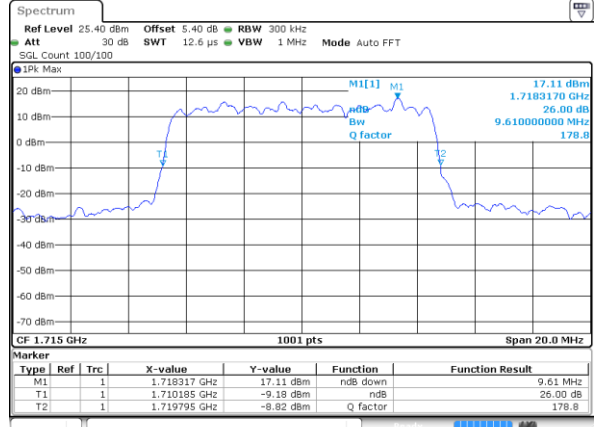
LTE Band 66

Lowest Channel / 10MHz / QPSK



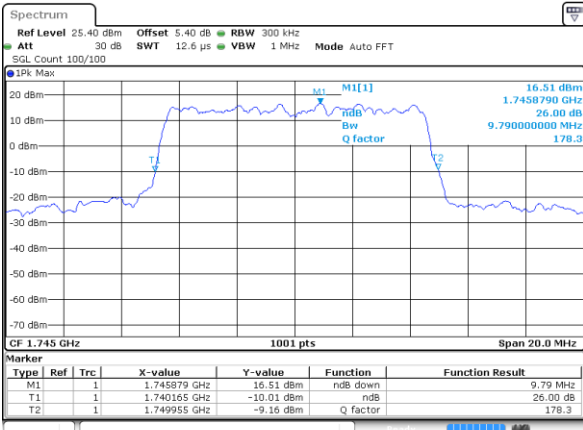
Date: 5 MAY 2020 13:52:14

Lowest Channel / 10MHz / 16QAM



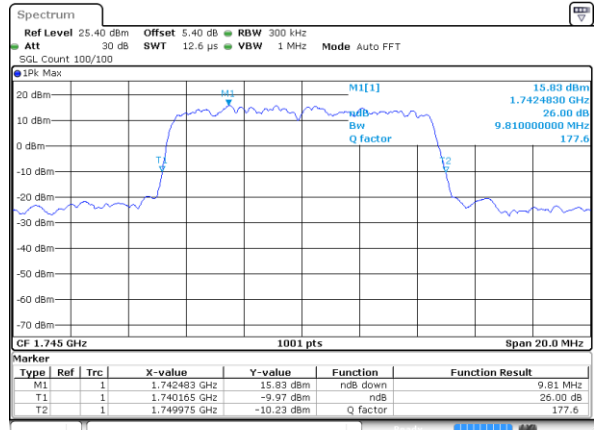
Date: 5 MAY 2020 13:53:09

Middle Channel / 10MHz / QPSK



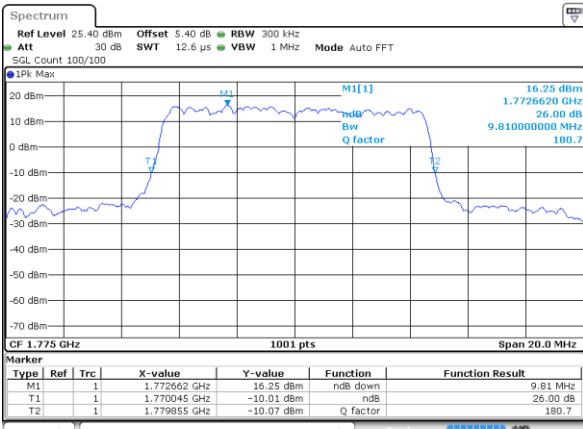
Date: 5 MAY 2020 13:02:40

Middle Channel / 10MHz / 16QAM



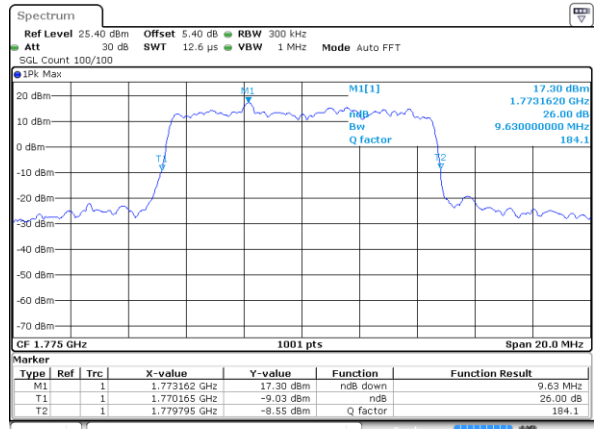
Date: 5 MAY 2020 13:02:11

Highest Channel / 10MHz / QPSK



Date: 5 MAY 2020 13:58:23

Highest Channel / 10MHz / 16QAM



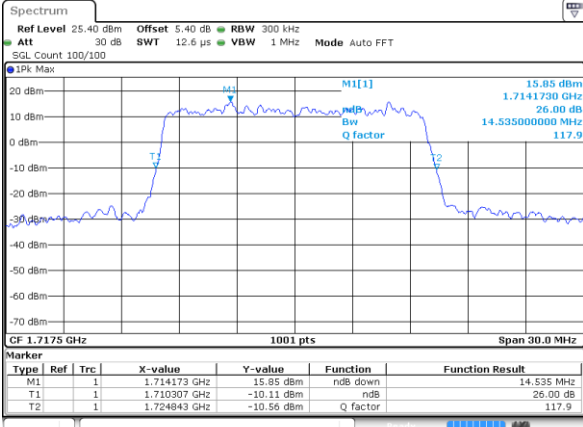
Date: 5 MAY 2020 13:57:47





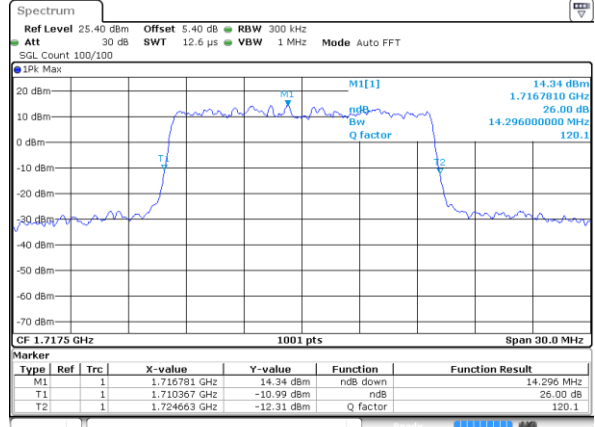
LTE Band 66

Lowest Channel / 15MHz / QPSK



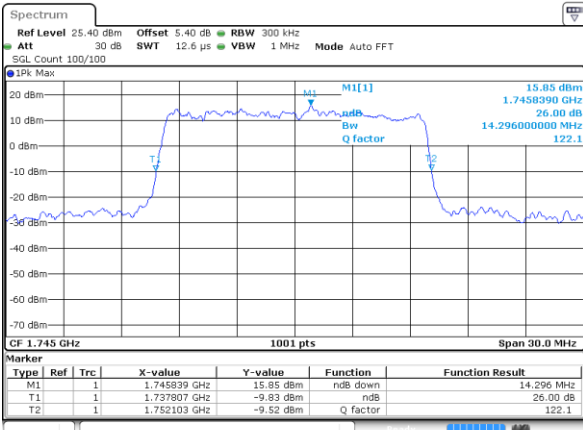
Date: 5 MAY 2020 14:31:27

Lowest Channel / 15MHz / 16QAM



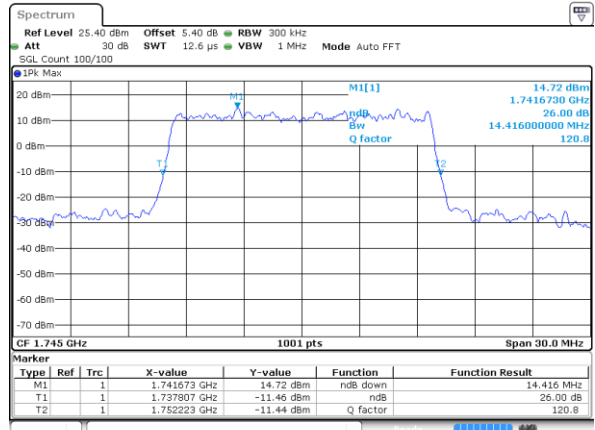
Date: 5 MAY 2020 14:30:48

Middle Channel / 15MHz / QPSK



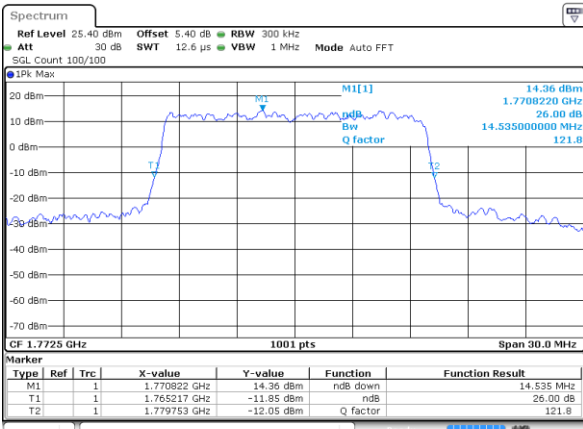
Date: 5 MAY 2020 14:07:43

Middle Channel / 15MHz / 16QAM



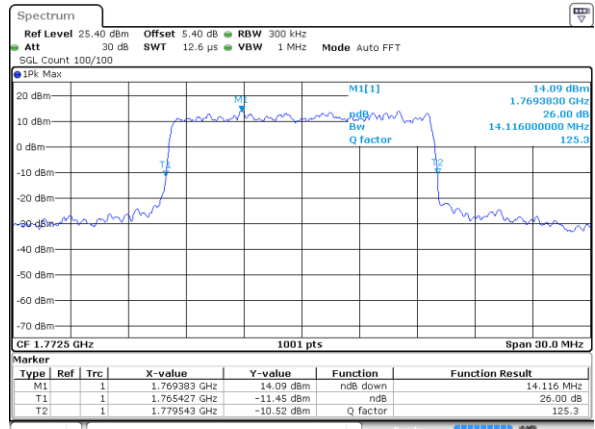
Date: 5 MAY 2020 14:08:13

Highest Channel / 15MHz / QPSK



Date: 5 MAY 2020 14:32:30

Highest Channel / 15MHz / 16QAM

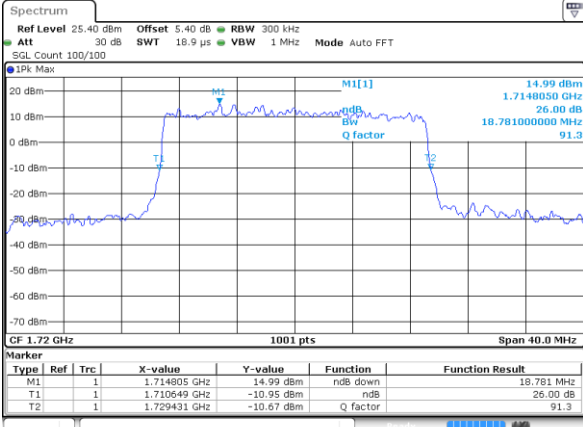


Date: 5 MAY 2020 14:33:12



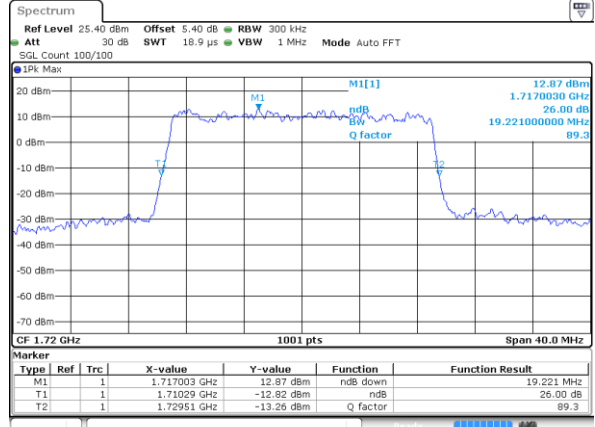
LTE Band 66

Lowest Channel / 20MHz / QPSK



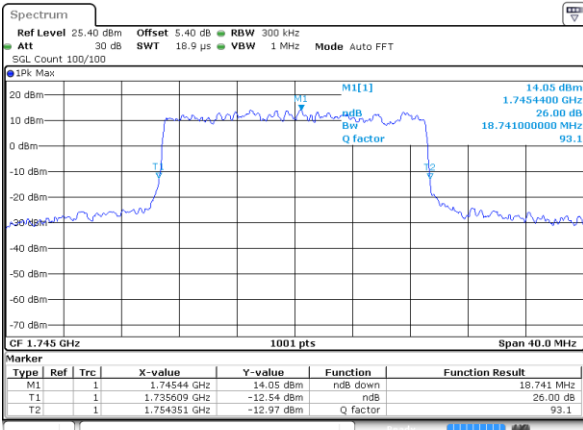
Date: 5 MAY 2020 14:57:08

Lowest Channel / 20MHz / 16QAM



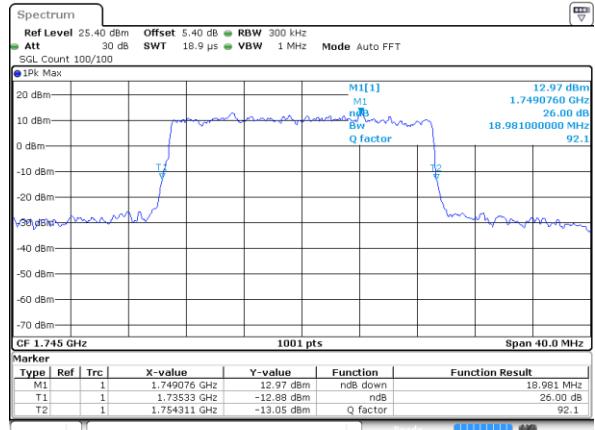
Date: 5 MAY 2020 14:57:50

Middle Channel / 20MHz / QPSK



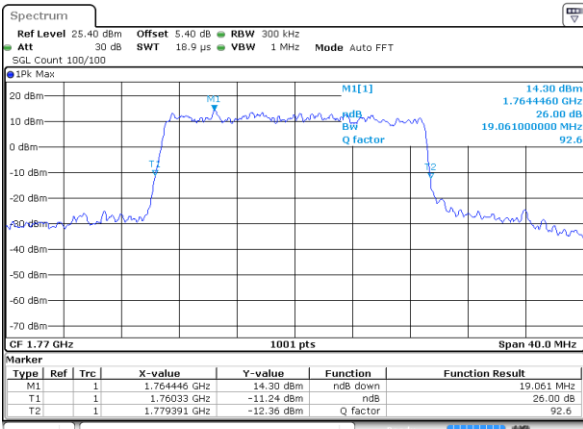
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Middle Channel / 20MHz / 16QAM



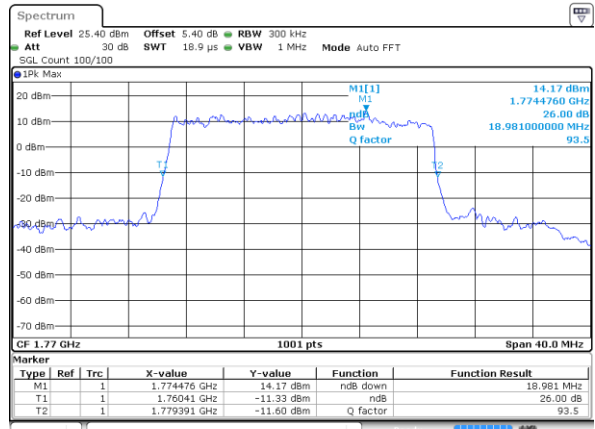
Date: 5 MAY 2020 14:46:20

Highest Channel / 20MHz / QPSK



Date: 5 MAY 2020 15:09:33

Highest Channel / 20MHz / 16QAM

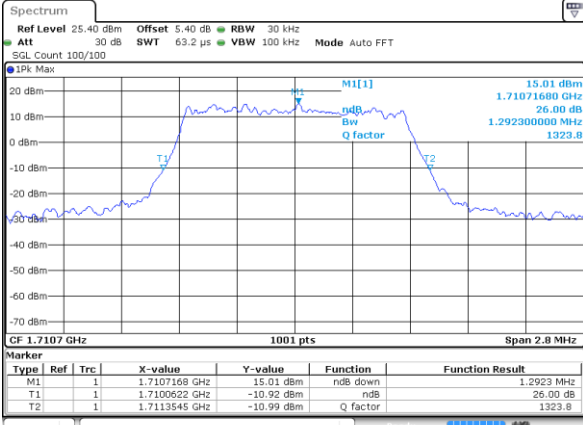


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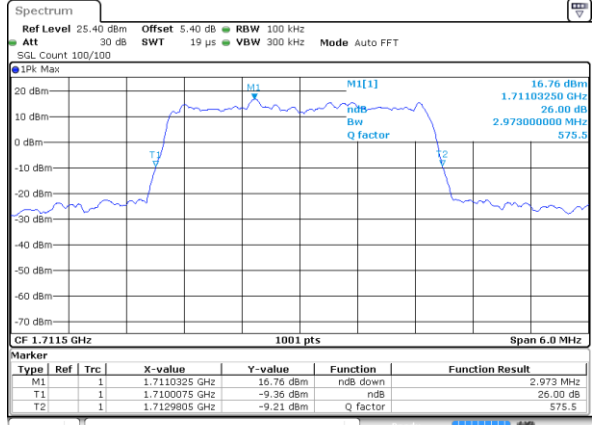
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



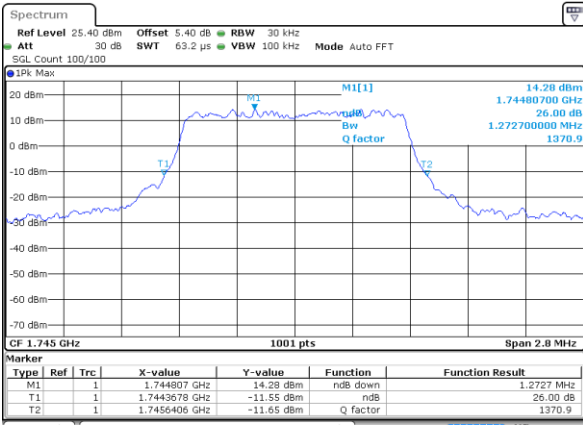
Date: 5 MAY 2020 10:59:41

Lowest Channel / 3MHz / 64QAM



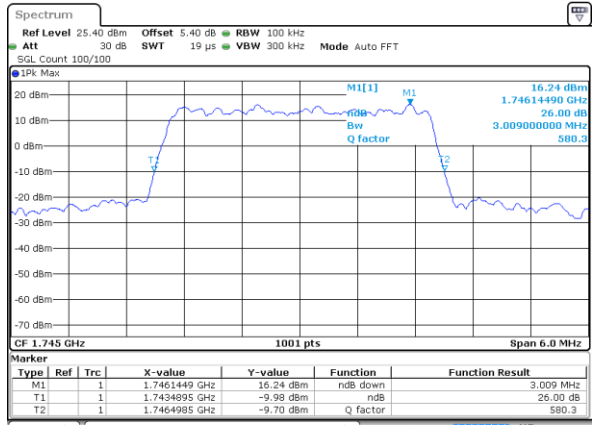
Date: 5 MAY 2020 12:02:26

Middle Channel / 20MHz / 64QAM



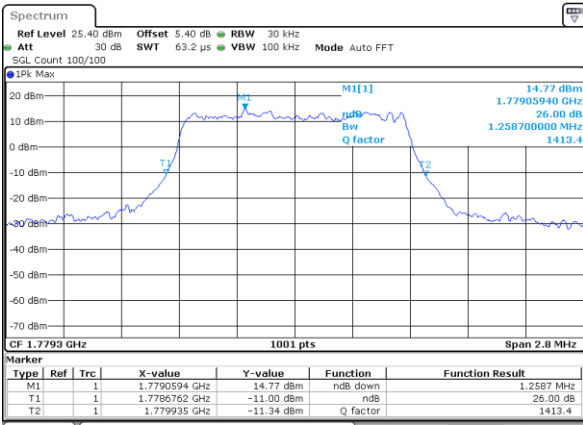
Date: 5 MAY 2020 11:23:36

Middle Channel / 3MHz / 64QAM



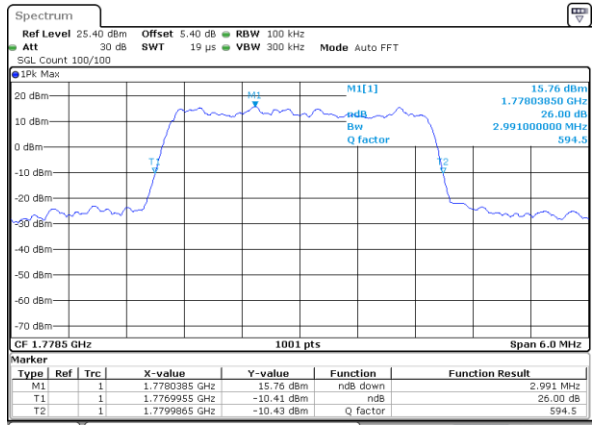
Date: 5 MAY 2020 11:51:18

Highest Channel / 20MHz / 64QAM



Date: 5 MAY 2020 11:24:56

Highest Channel / 3MHz / 64QAM



Date: 5 MAY 2020 12:10:13