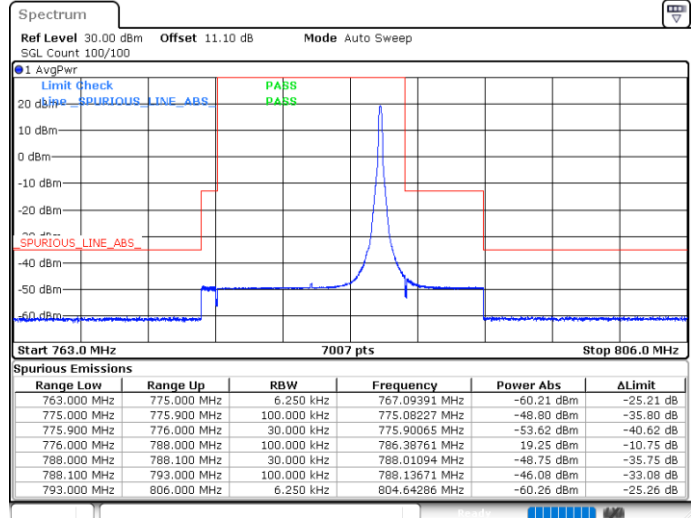
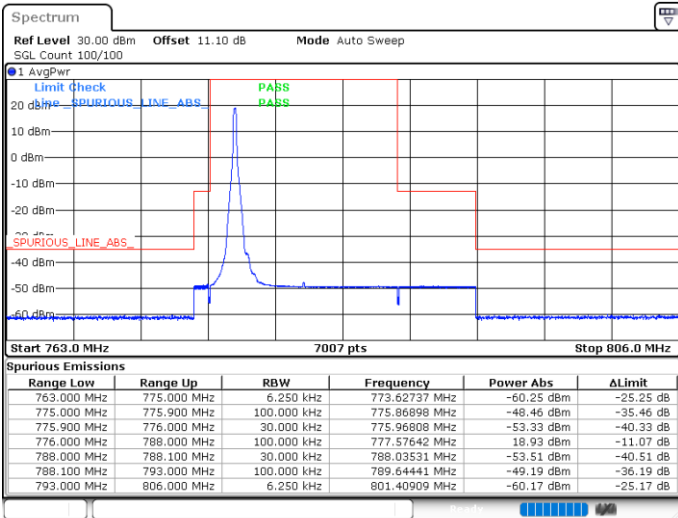




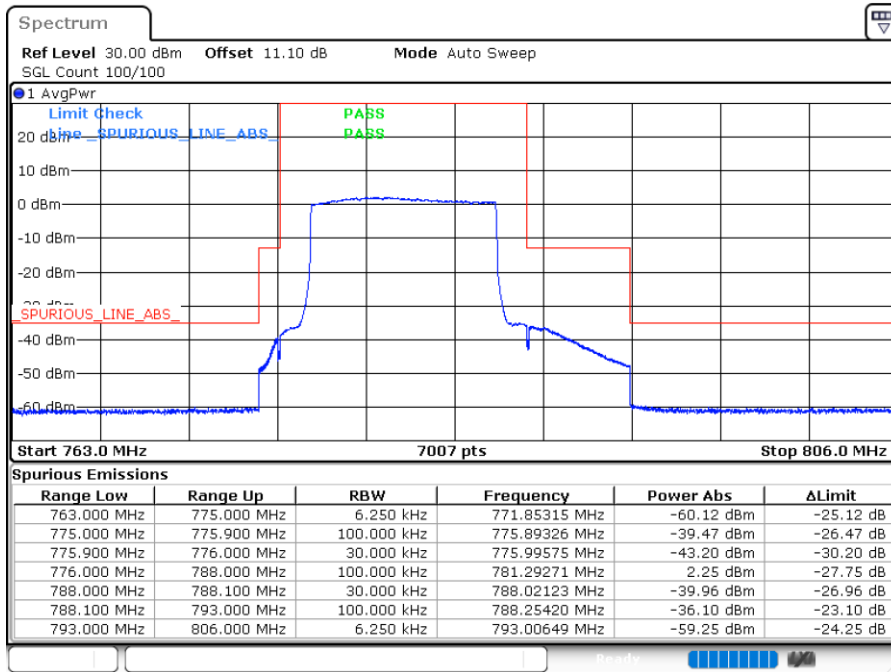
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Band Edge / Full RB

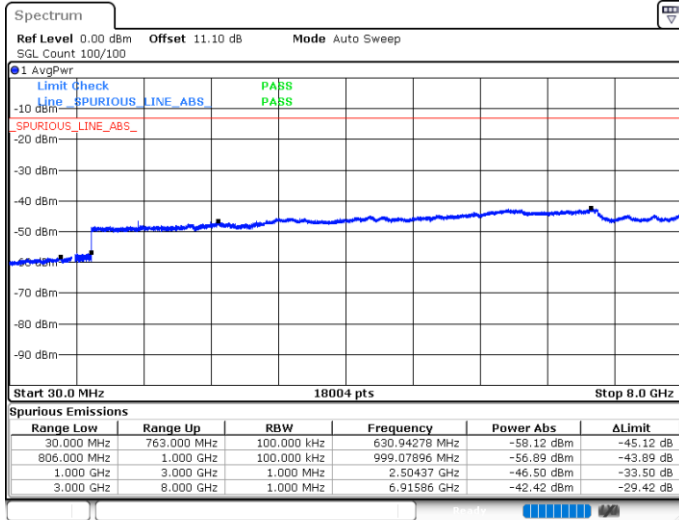




# Conducted Spurious Emission

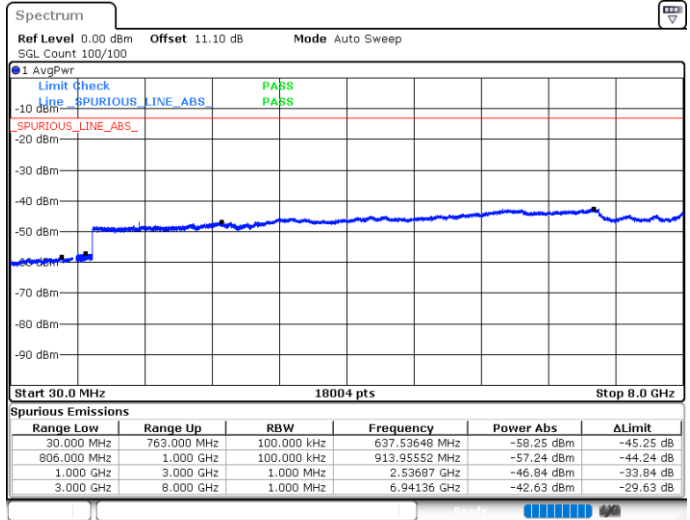
## LTE Band 13 / 5MHz

### Lowest Channel / QPSK



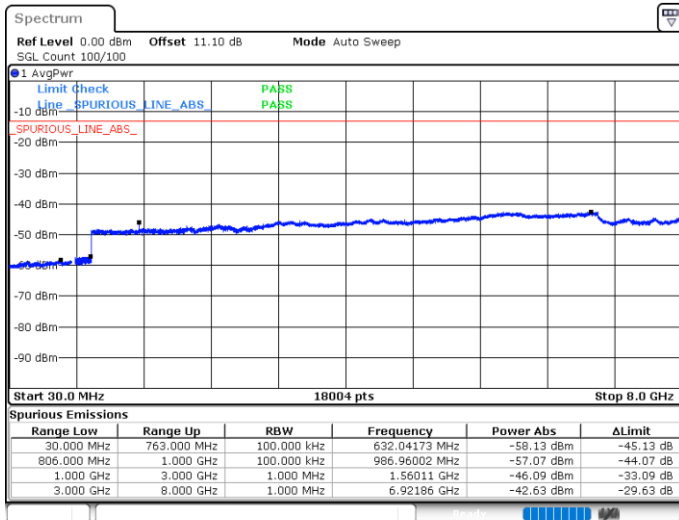
Date: 25.MAY.2020 02:12:15

### Lowest Channel / 16QAM



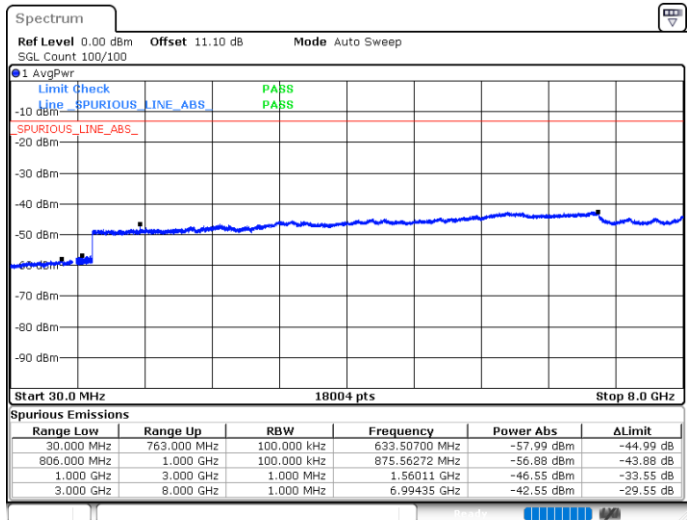
Date: 25.MAY.2020 02:12:55

### Middle Channel / QPSK



Date: 25.MAY.2020 02:14:13

### Middle Channel / 16QAM

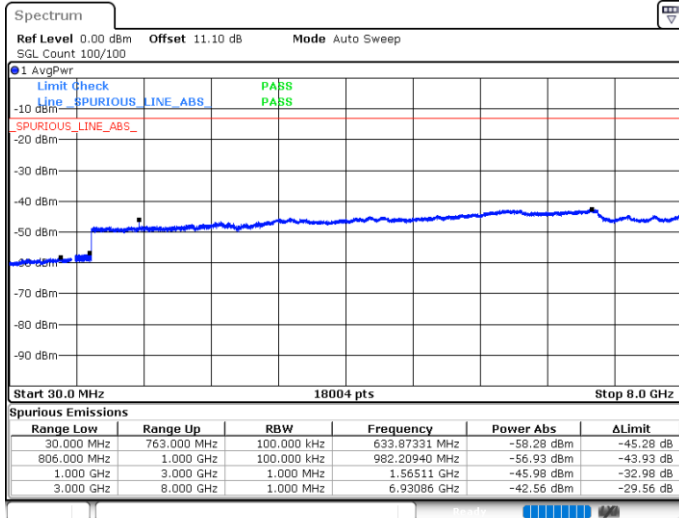


Date: 25.MAY.2020 02:13:34



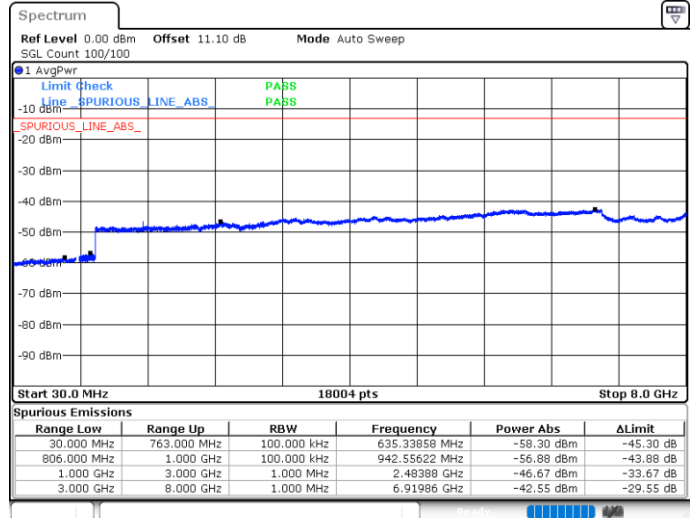
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 25.MAY.2020 02:23:06

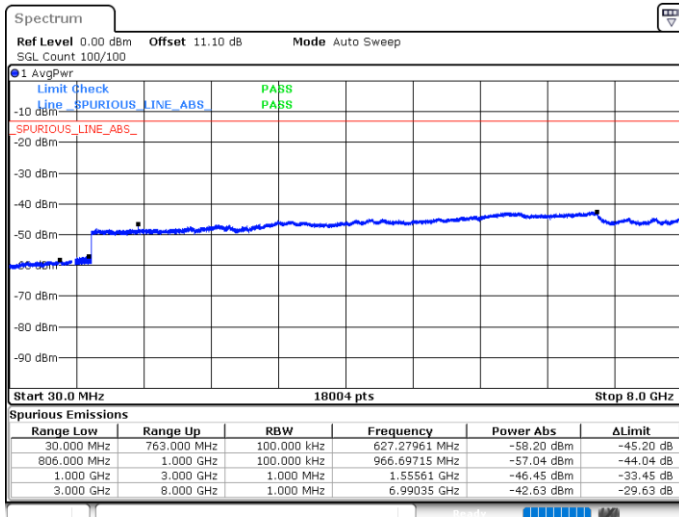
Highest Channel / 16QAM



Date: 25.MAY.2020 02:23:46

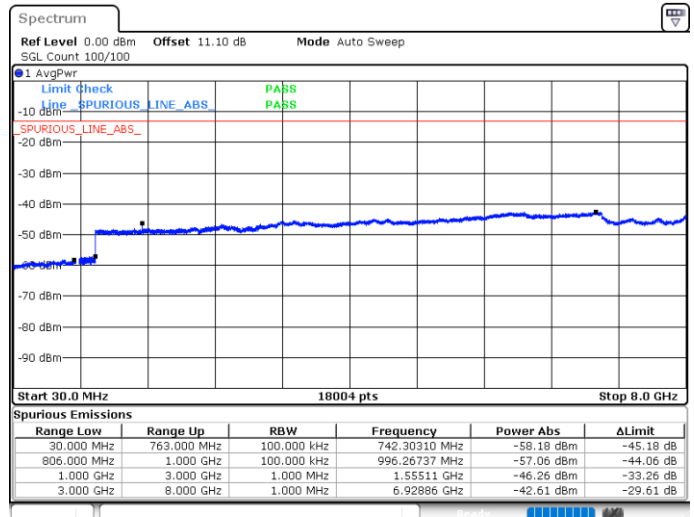
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 25.MAY.2020 02:45:38

Middle Channel / 16QAM



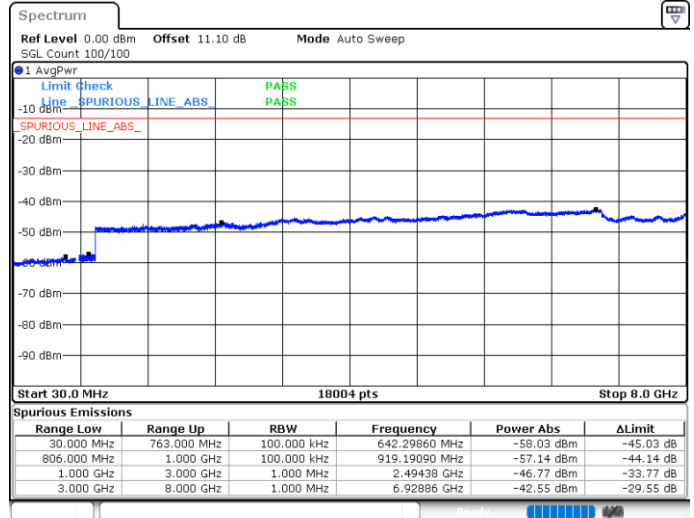
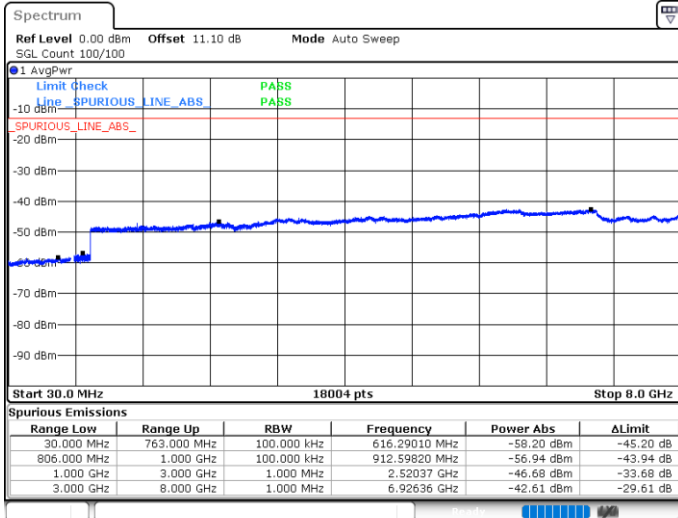
Date: 25.MAY.2020 02:44:58



LTE Band 13 / 5MHz

Lowest Channel / 64QAM

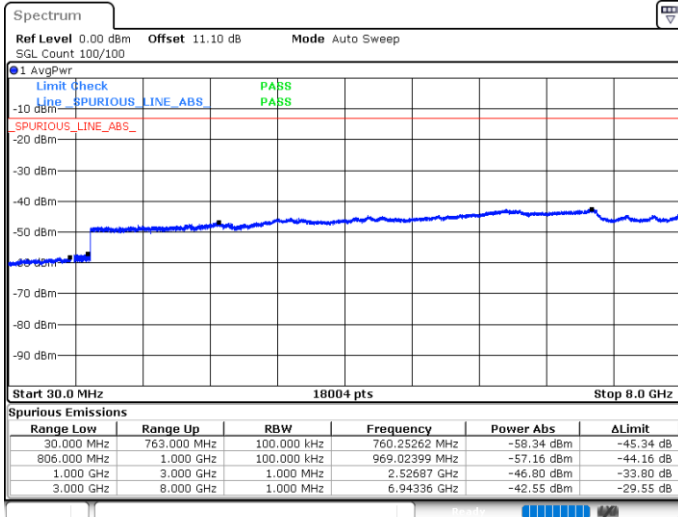
Middle Channel / 64QAM



Date: 25.MAY.2020 02:28:10

Date: 25.MAY.2020 02:28:50

Highest Channel / 64QAM

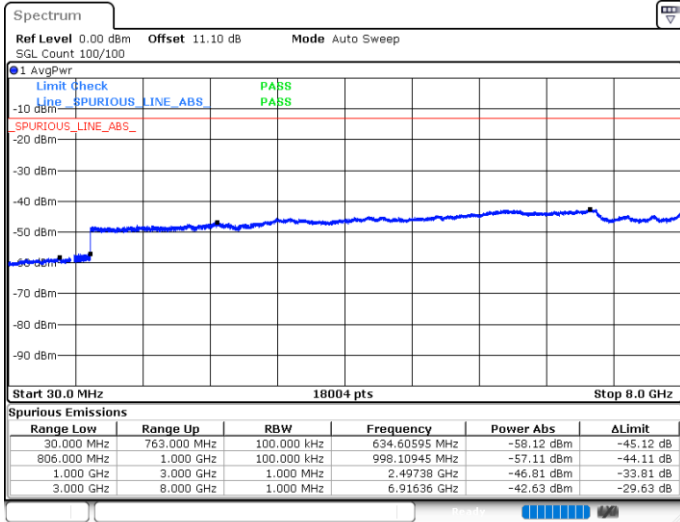


Date: 25.MAY.2020 02:33:36



LTE Band 13 / 10MHz

Middle Channel / 64QAM



Date: 25.MAY.2020 02:51:38



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0169	
30	Normal Voltage	0.0184	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0060	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0050	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0059	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 25

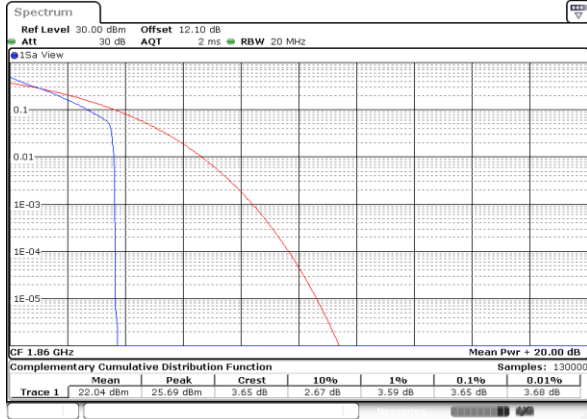
## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	5.04	5.16	6.00	PASS
Middle CH	3.65	5.13	5.33	6.00	
Highest CH	3.51	5.13	4.90	6.06	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.80	6.55	-	-	PASS
Middle CH	6.87	6.52	-	-	
Highest CH	6.49	6.64	-	-	



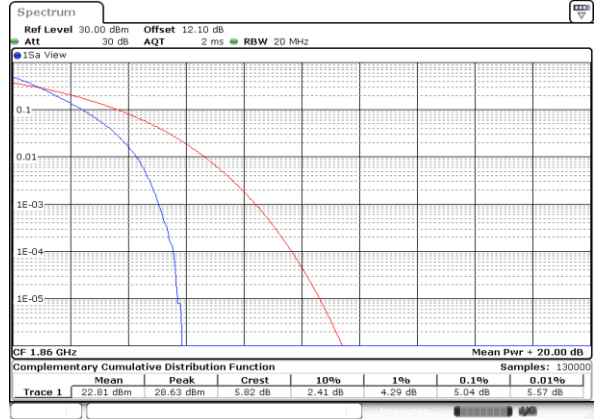
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



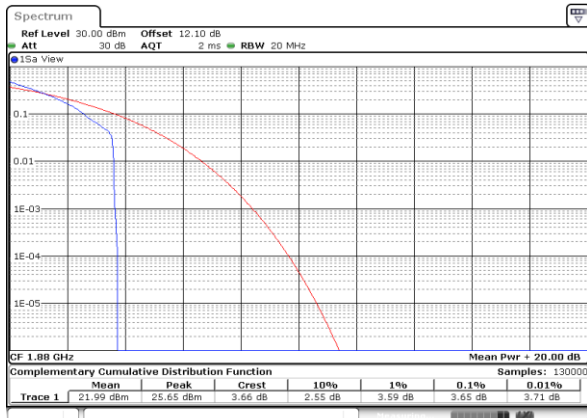
Date: 25.MAY.2020 07:10:56

Lowest Channel / Full RB



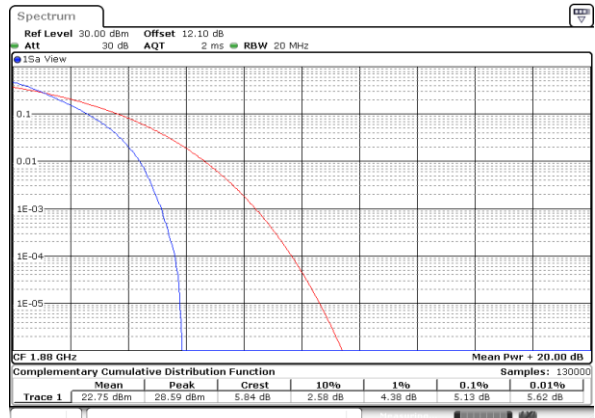
Date: 25.MAY.2020 07:11:06

Middle Channel / 1RB



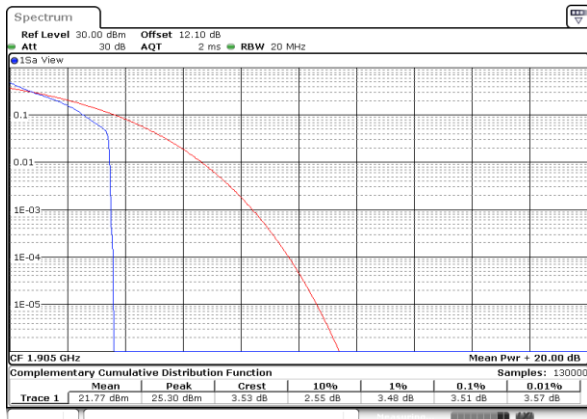
Date: 25.MAY.2020 07:11:36

Middle Channel / Full RB



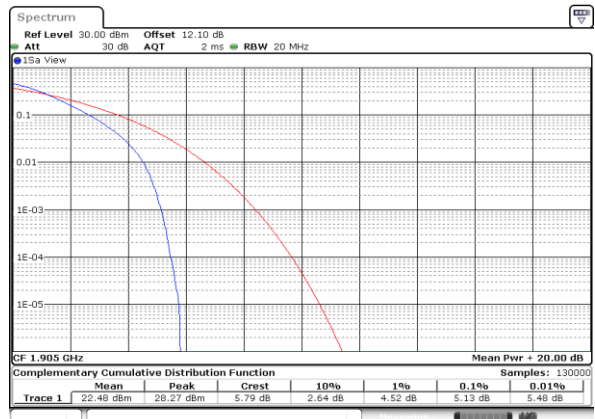
Date: 25.MAY.2020 07:11:46

Highest Channel / 1RB



Date: 25.MAY.2020 07:12:17

Highest Channel / Full RB



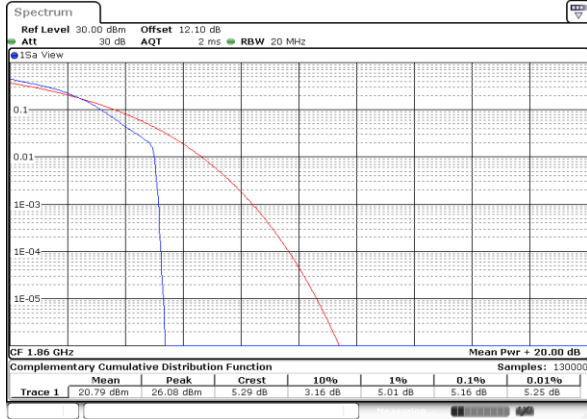
Date: 25.MAY.2020 07:12:27





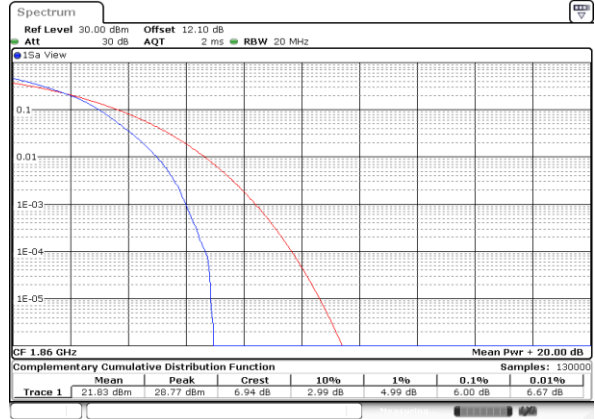
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



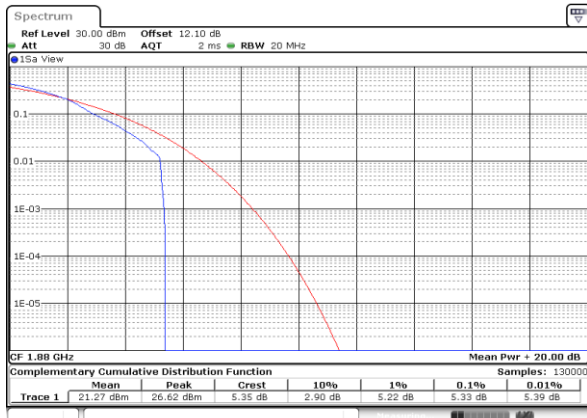
Date: 25.MAY.2020 07:10:36

Lowest Channel / Full RB



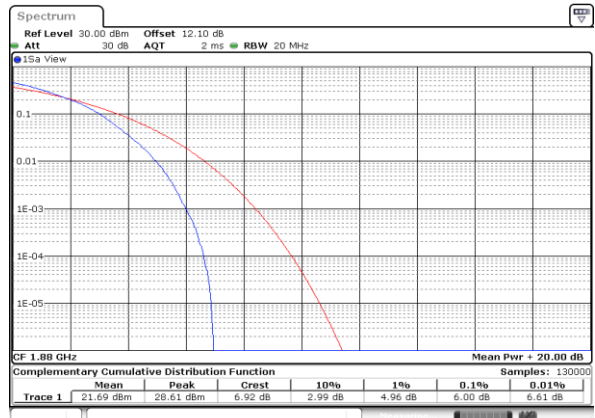
Date: 25.MAY.2020 07:10:46

Middle Channel / 1RB



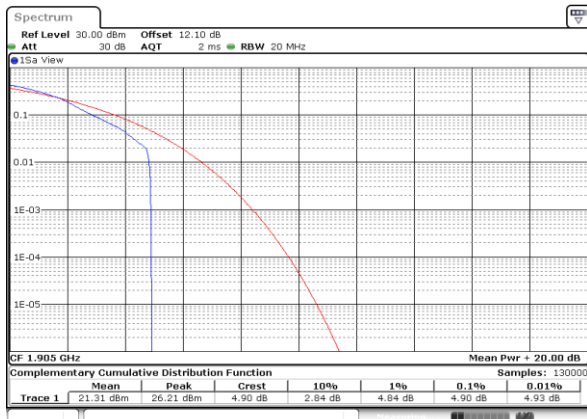
Date: 25.MAY.2020 07:11:16

Middle Channel / Full RB



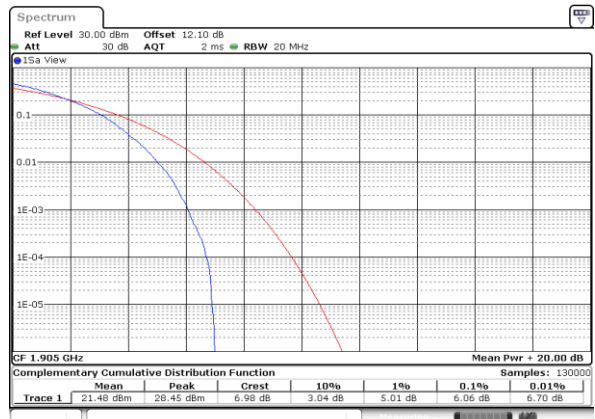
Date: 25.MAY.2020 07:11:26

Highest Channel / 1RB



Date: 25.MAY.2020 07:11:57

Highest Channel / Full RB



Date: 25.MAY.2020 07:12:07



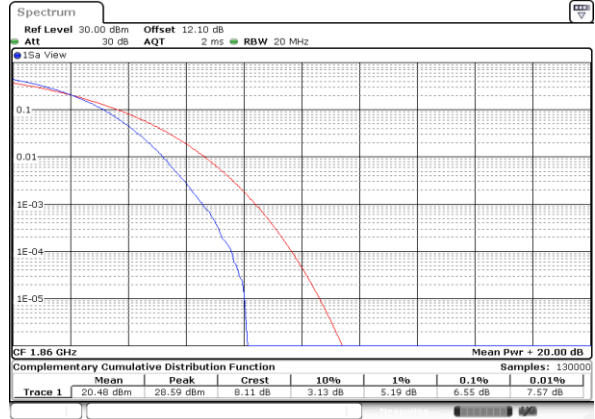
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



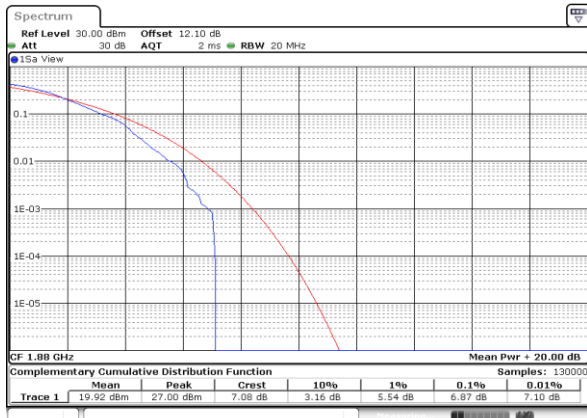
Date: 25.MAY.2020 07:09:36

Lowest Channel / Full RB



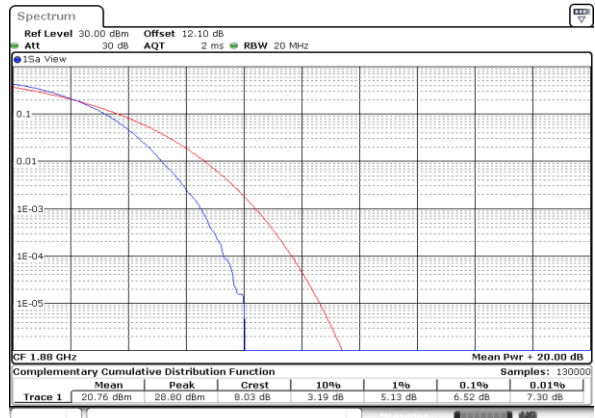
Date: 25.MAY.2020 07:10:46

Middle Channel / 1RB



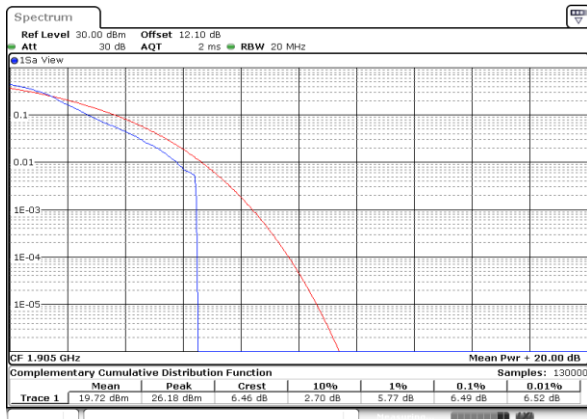
Date: 25.MAY.2020 07:10:56

Middle Channel / Full RB



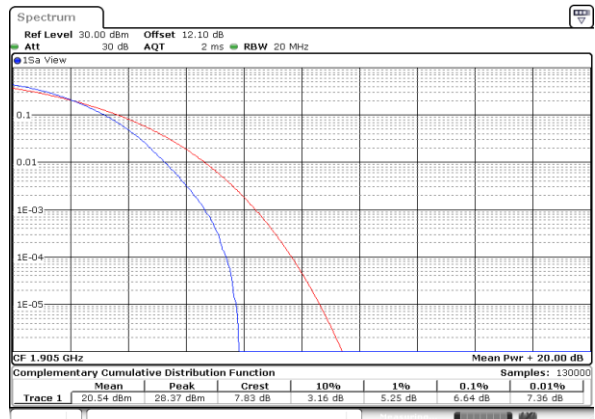
Date: 25.MAY.2020 07:11:06

Highest Channel / 1RB



Date: 25.MAY.2020 07:10:16

Highest Channel / Full RB



Date: 25.MAY.2020 07:10:26



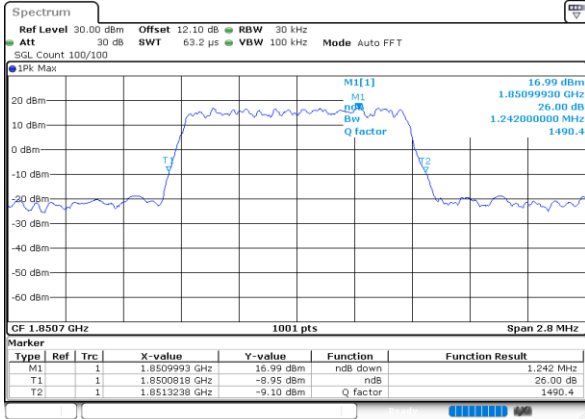
**26dB Bandwidth**

Mode	LTE Band 25 : 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	1.24	1.23	2.96	2.99	4.90	4.92	9.71	9.89	14.21	14.27	18.78	19.18
Middle CH	1.22	1.21	3.02	3.02	4.87	4.84	9.73	9.87	14.45	14.27	19.22	18.78
Highest CH	1.23	1.23	3.00	3.01	4.87	4.78	9.63	9.83	14.30	14.57	18.70	18.86
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.03	-	4.89	-	9.71	-	14.57	-	18.94	-
Middle CH	1.23	-	3.00	-	4.96	-	9.63	-	14.39	-	18.94	-
Highest CH	1.24	-	3.02	-	4.97	-	9.69	-	14.48	-	18.94	-



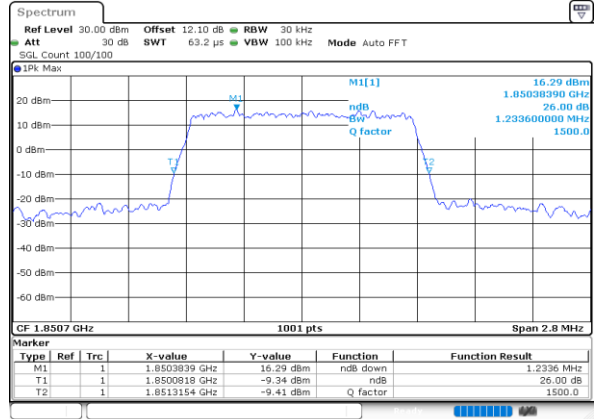
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



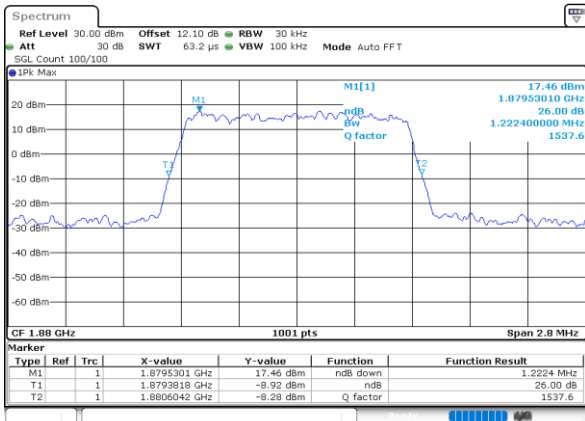
Date: 25.MAY.2020 04:56:35

Lowest Channel / 1.4MHz / 16QAM



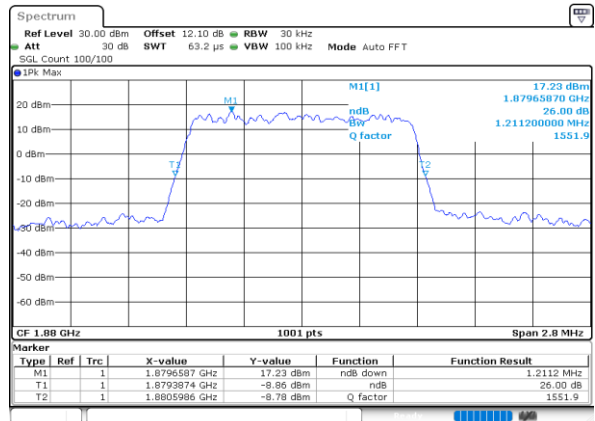
Date: 25.MAY.2020 04:56:46

Middle Channel / 1.4MHz / QPSK



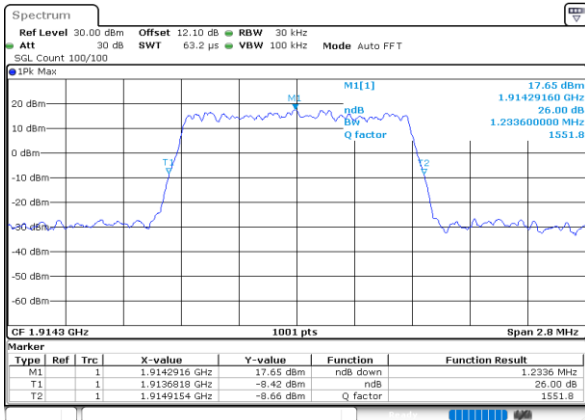
Date: 25.MAY.2020 05:02:57

Middle Channel / 1.4MHz / 16QAM



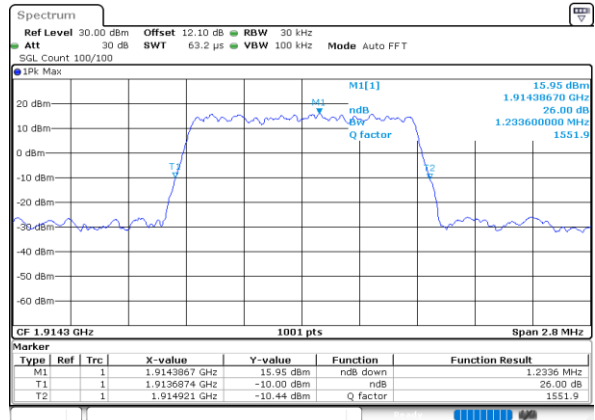
Date: 25.MAY.2020 05:03:09

1.24Highest Channel / 1.4MHz / QPSK



Date: 25.MAY.2020 05:05:19

Highest Channel / 1.4MHz / 16QAM

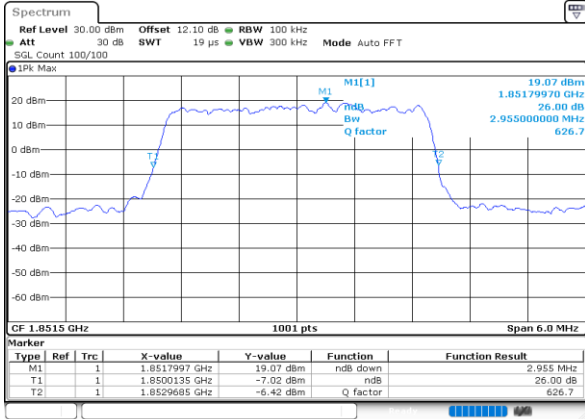


Date: 25.MAY.2020 05:05:07



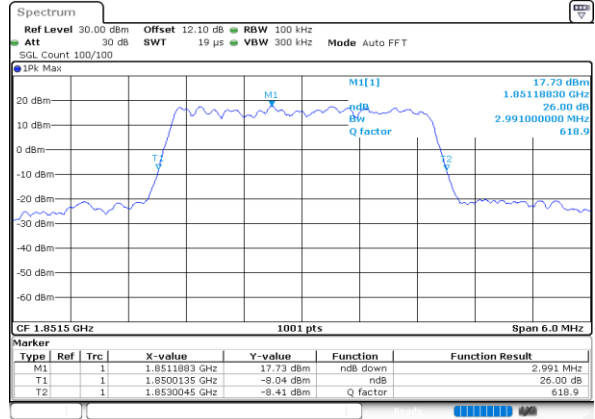
LTE Band 25

Lowest Channel / 3MHz / QPSK



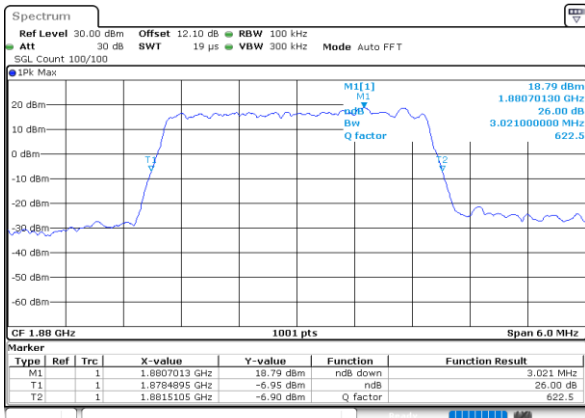
Date: 25.MAY.2020 05:26:37

Lowest Channel / 3MHz / 16QAM



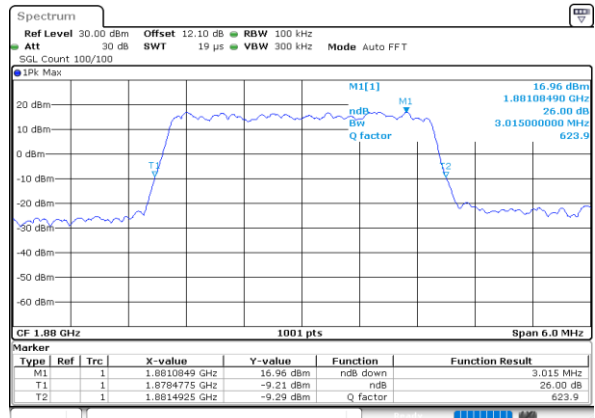
Date: 25.MAY.2020 05:12:49

Middle Channel / 3MHz / QPSK



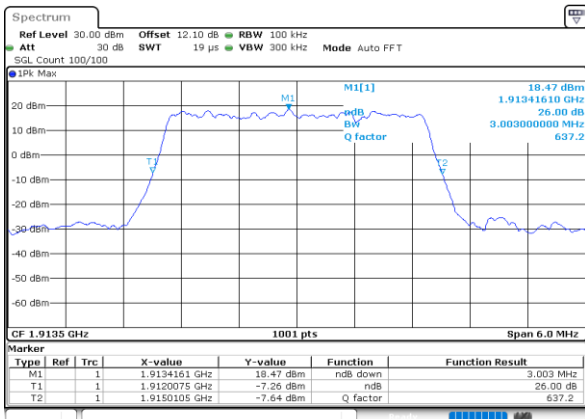
Date: 25.MAY.2020 05:13:47

Middle Channel / 3MHz / 16QAM



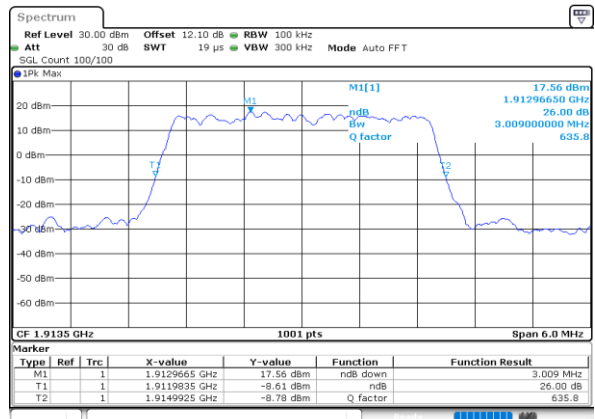
Date: 25.MAY.2020 05:13:59

Highest Channel / 3MHz / QPSK



Date: 25.MAY.2020 05:15:09

Highest Channel / 3MHz / 16QAM

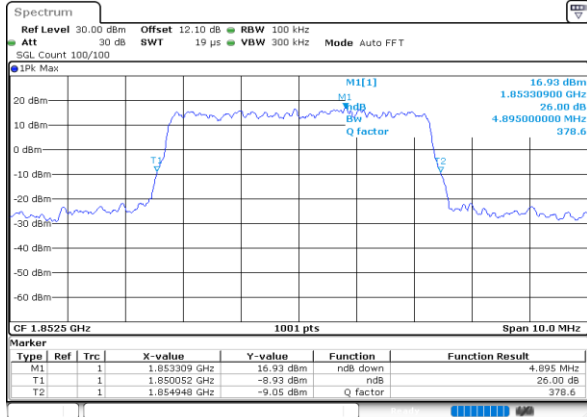


Date: 25.MAY.2020 05:14:57



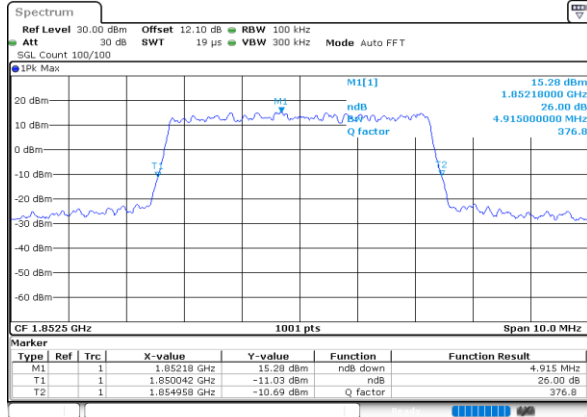
LTE Band 25

Lowest Channel / 5MHz / QPSK



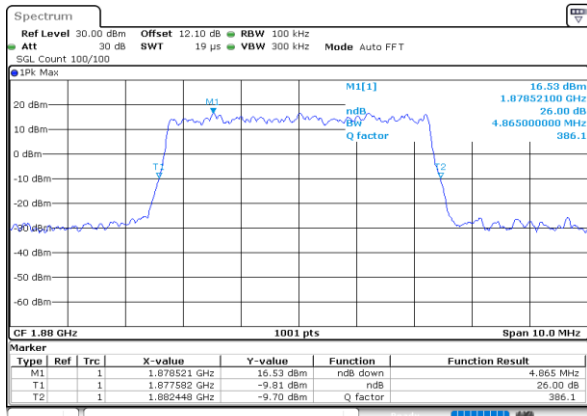
Date: 25.MAY.2020 05:41:07

Lowest Channel / 5MHz / 16QAM



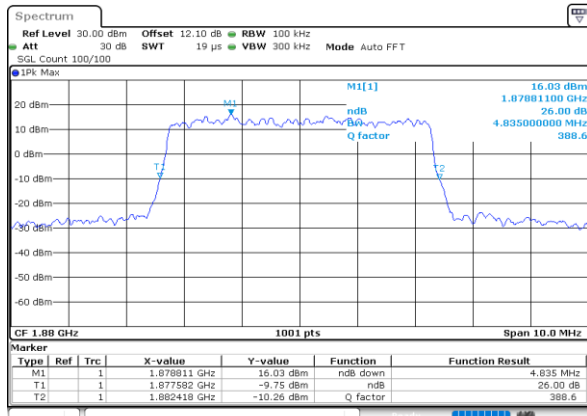
Date: 25.MAY.2020 05:41:19

Middle Channel / 5MHz / QPSK



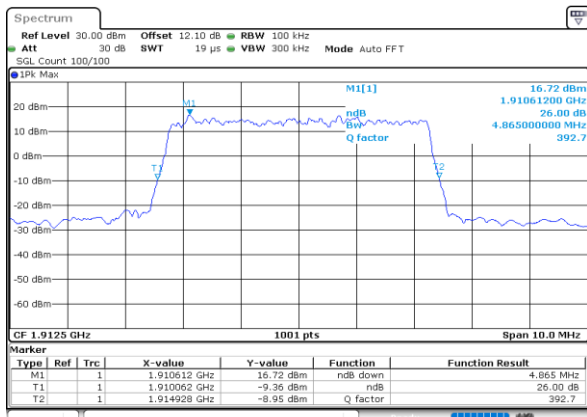
Date: 25.MAY.2020 05:47:17

Middle Channel / 5MHz / 16QAM



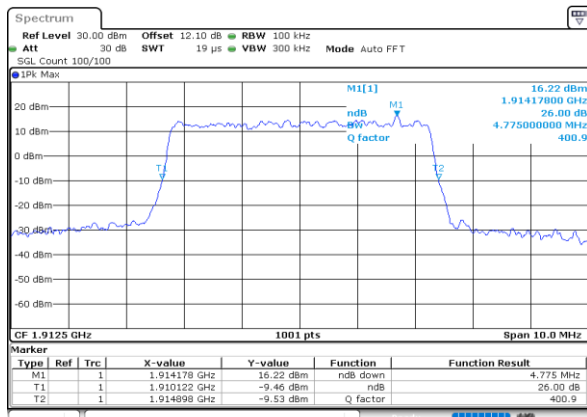
Date: 25.MAY.2020 05:47:29

Highest Channel / 5MHz / QPSK



Date: 25.MAY.2020 05:49:40

Highest Channel / 5MHz / 16QAM

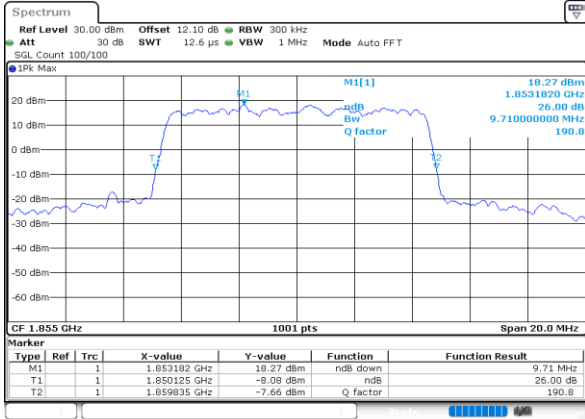


Date: 25.MAY.2020 05:49:28



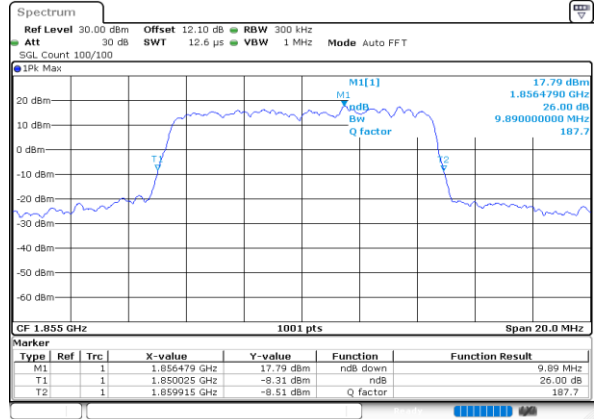
LTE Band 25

Lowest Channel / 10MHz / QPSK



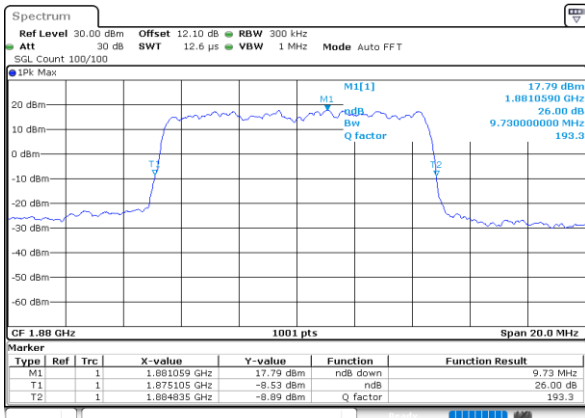
Date: 25.MAY.2020 06:02:52

Lowest Channel / 10MHz / 16QAM



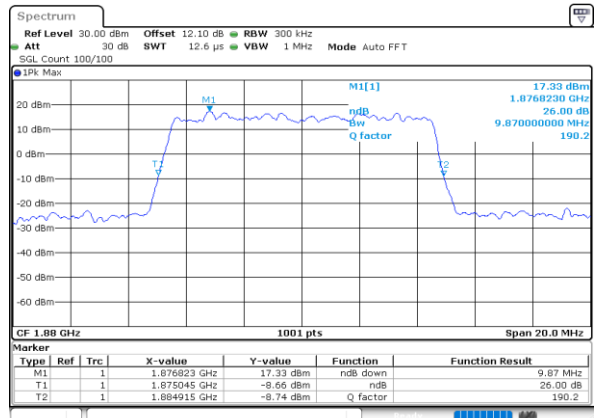
Date: 25.MAY.2020 06:10:04

Middle Channel / 10MHz / QPSK



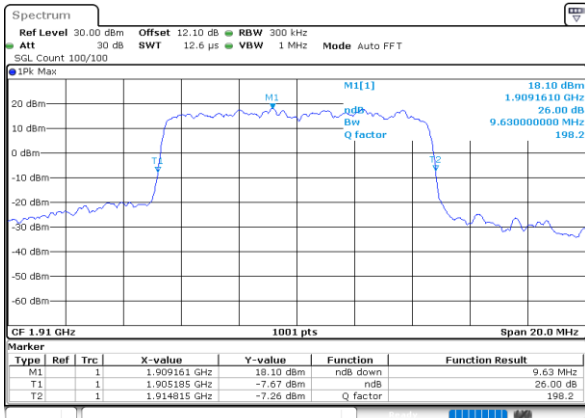
Date: 25.MAY.2020 06:10:02

Middle Channel / 10MHz / 16QAM



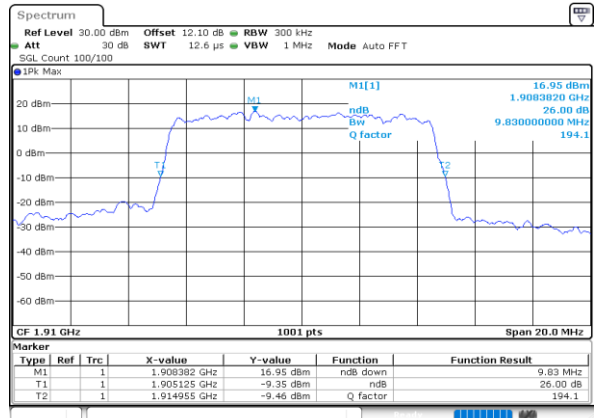
Date: 25.MAY.2020 06:10:14

Highest Channel / 10MHz / QPSK



Date: 25.MAY.2020 06:11:25

Highest Channel / 10MHz / 16QAM

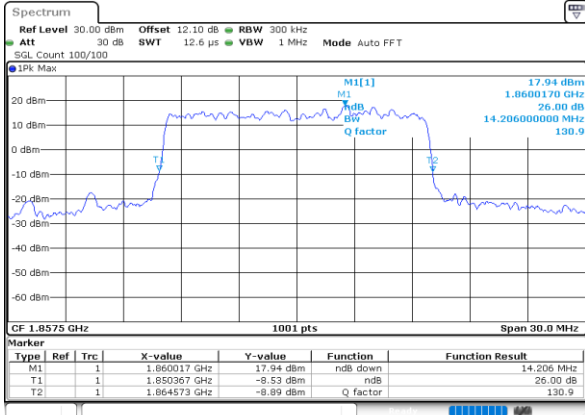


Date: 25.MAY.2020 06:11:13



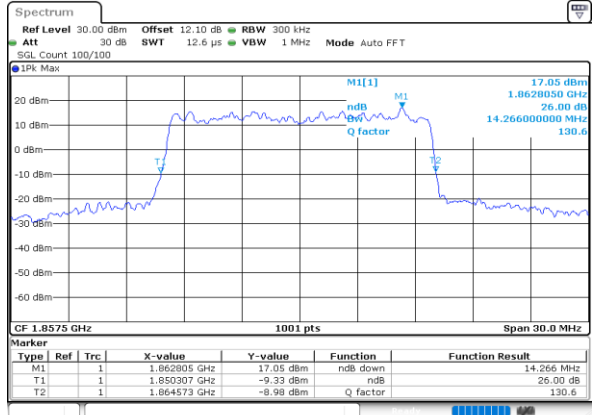
LTE Band 25

Lowest Channel / 15MHz / QPSK



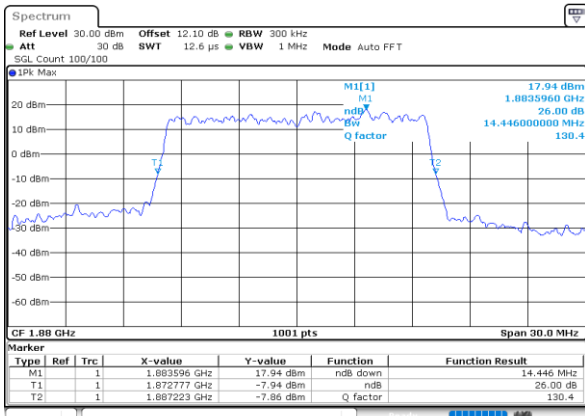
Date: 25.MAY.2020 06:36:32

Lowest Channel / 15MHz / 16QAM



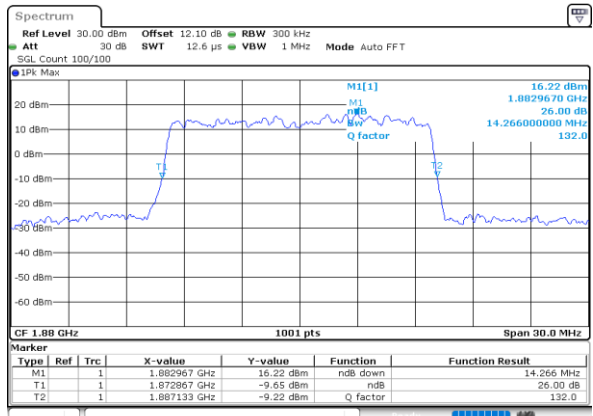
Date: 25.MAY.2020 06:13:44

Middle Channel / 15MHz / QPSK



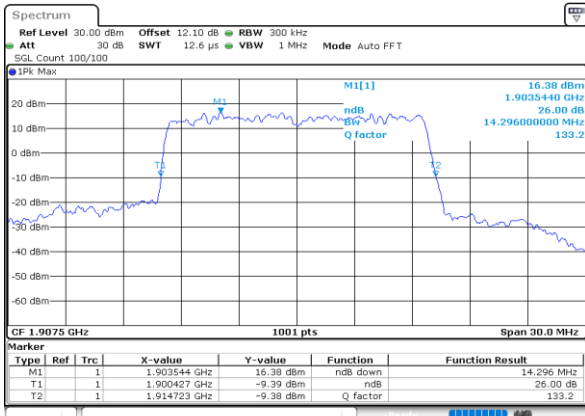
Date: 25.MAY.2020 06:41:23

Middle Channel / 15MHz / 16QAM



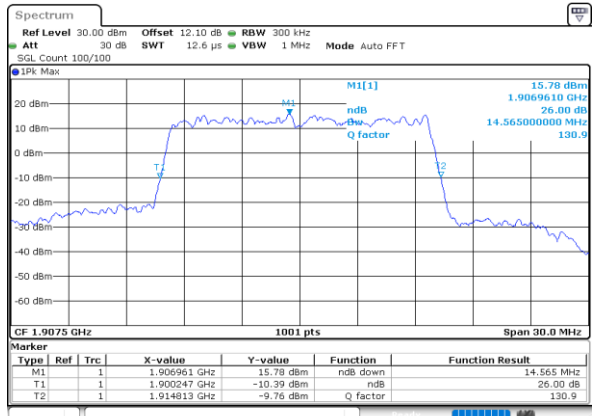
Date: 25.MAY.2020 06:41:35

Highest Channel / 15MHz / QPSK



Date: 25.MAY.2020 06:43:45

Highest Channel / 15MHz / 16QAM



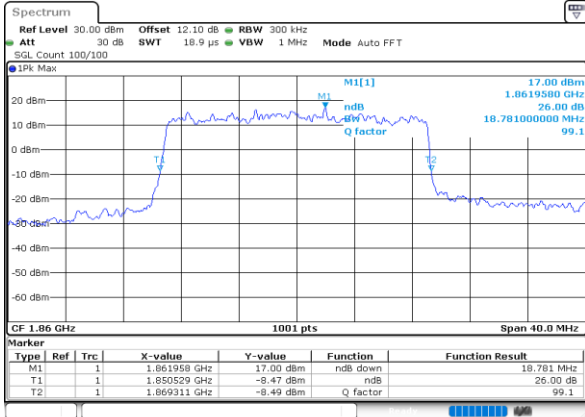
Date: 25.MAY.2020 06:43:33





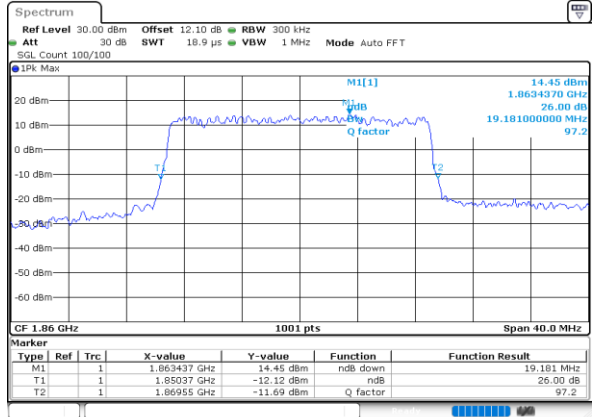
LTE Band 25

Lowest Channel / 20MHz / QPSK



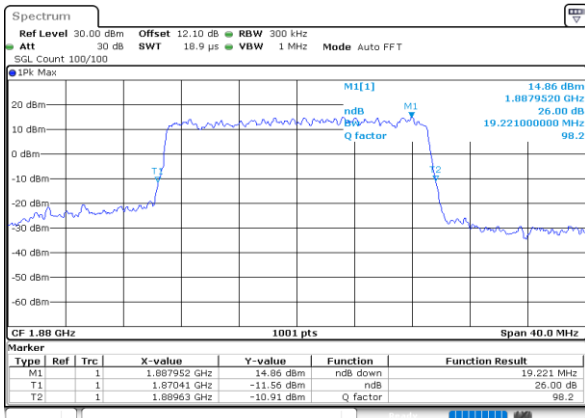
Date: 25.MAY.2020 06:48:40

Lowest Channel / 20MHz / 16QAM



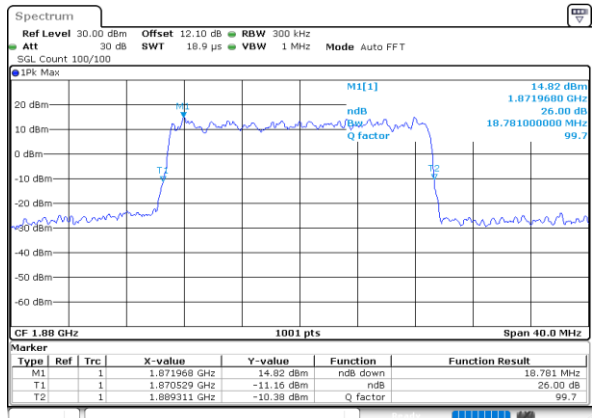
Date: 25.MAY.2020 06:48:52

Middle Channel / 20MHz / QPSK



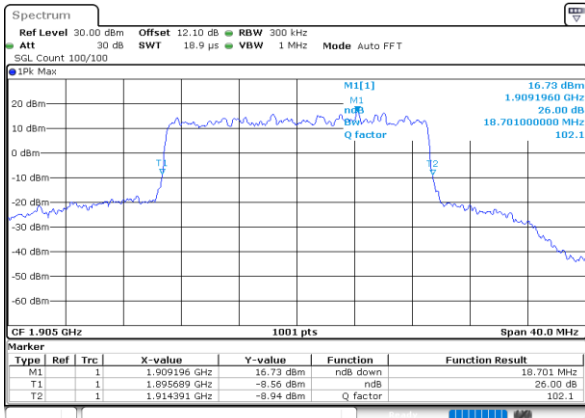
Date: 25.MAY.2020 06:53:30

Middle Channel / 20MHz / 16QAM



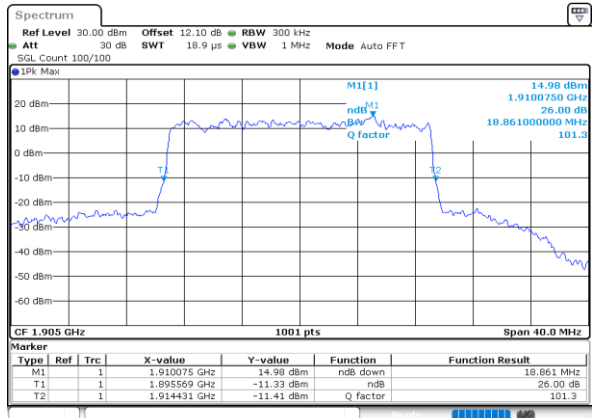
Date: 25.MAY.2020 06:53:42

Highest Channel / 20MHz / QPSK



Date: 25.MAY.2020 06:55:52

Highest Channel / 20MHz / 16QAM

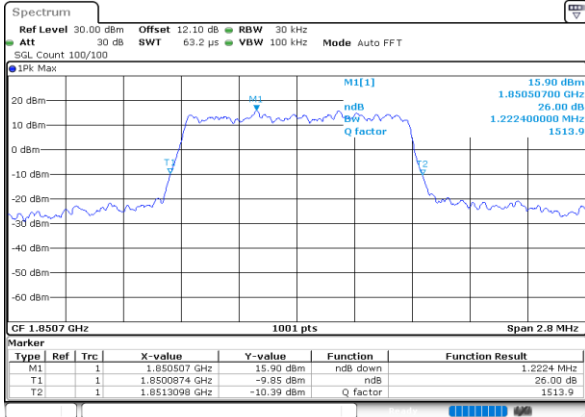


Date: 25.MAY.2020 06:55:40



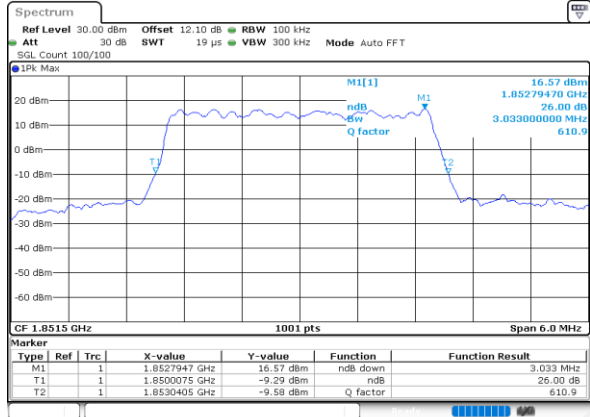
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



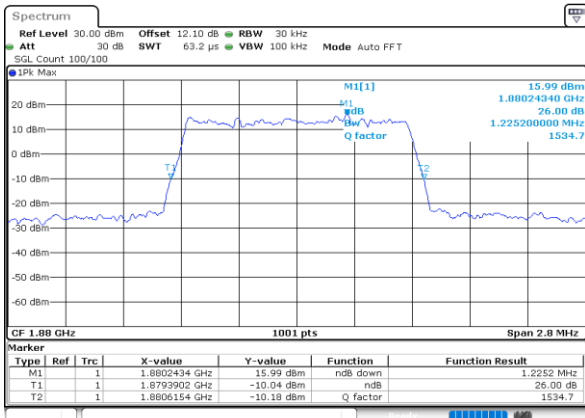
Date: 25.MAY.2020 05:11:35

Lowest Channel / 3MHz / 64QAM



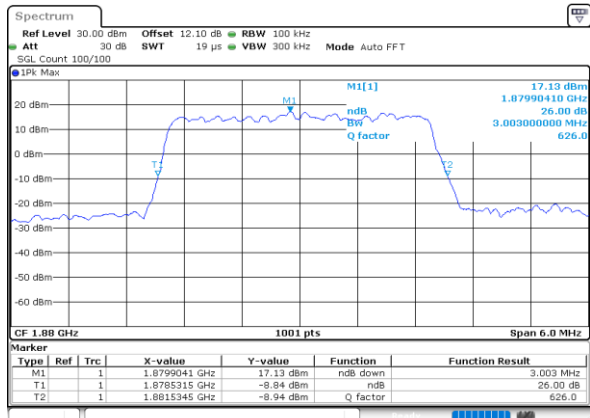
Date: 25.MAY.2020 05:11:11

Middle Channel / 1.4MHz / 64QAM



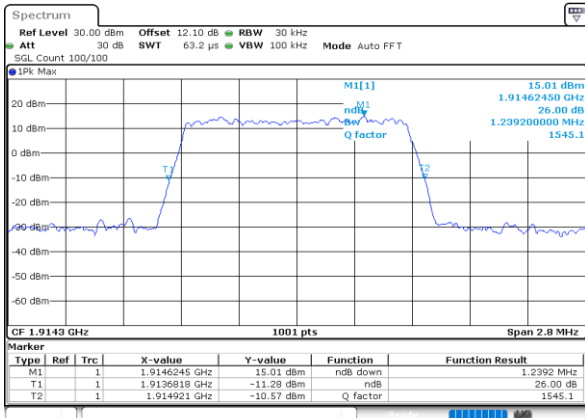
Date: 25.MAY.2020 05:14:46

Middle Channel / 3MHz / 64QAM



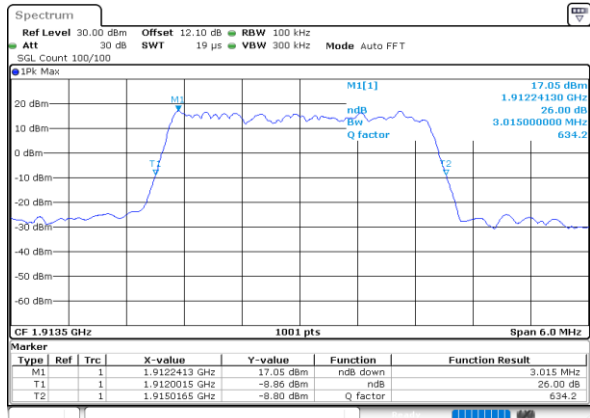
Date: 25.MAY.2020 05:12:16

Highest Channel / 1.4MHz / 64QAM



Date: 25.MAY.2020 05:15:51

Highest Channel / 3MHz / 64QAM

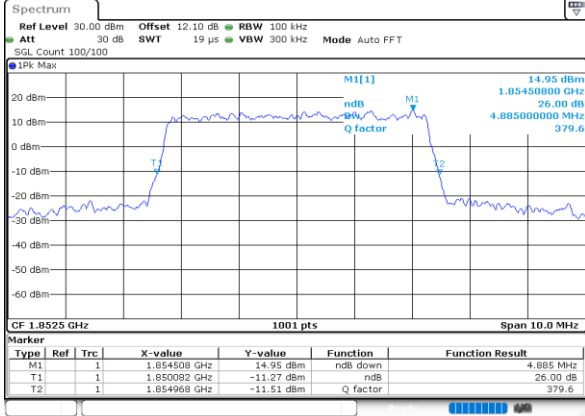


Date: 25.MAY.2020 05:12:120



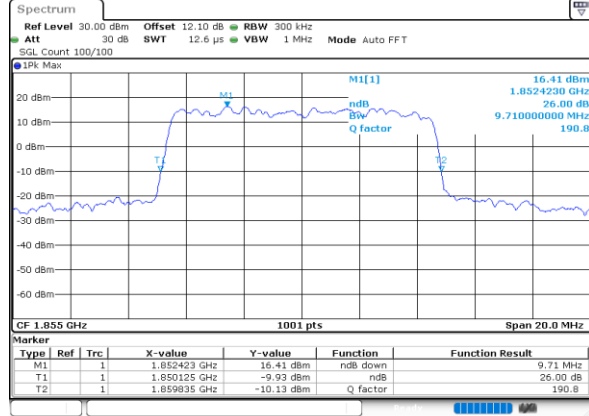
LTE Band 25

Lowest Channel / 5MHz / 64QAM



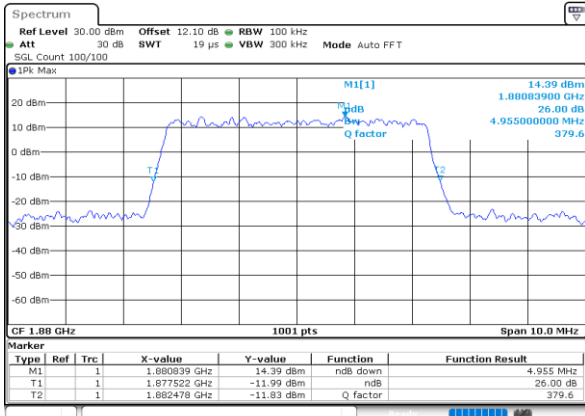
Date: 25.MAY.2020 05:55:25

Lowest Channel / 10MHz / 64QAM



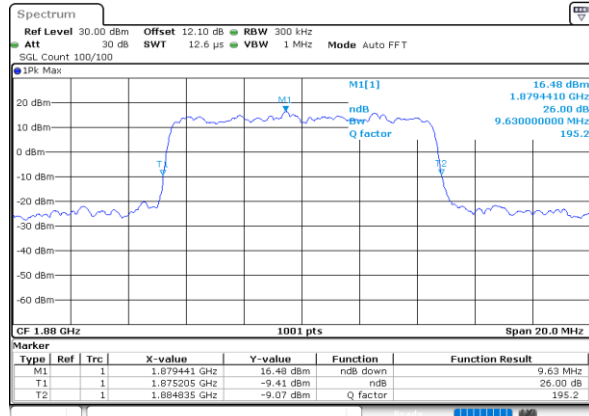
Date: 25.MAY.2020 06:17:10

Middle Channel / 5MHz / 64QAM



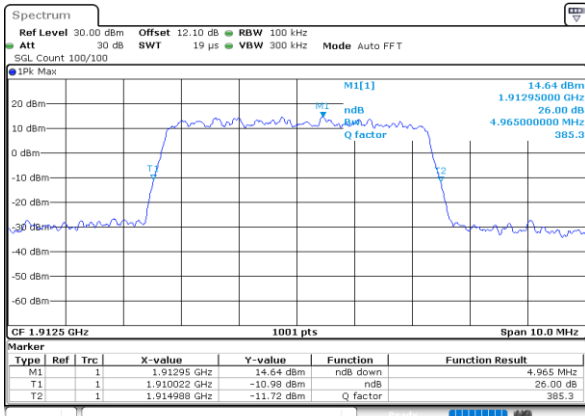
Date: 25.MAY.2020 05:58:30

Middle Channel / 10MHz / 64QAM



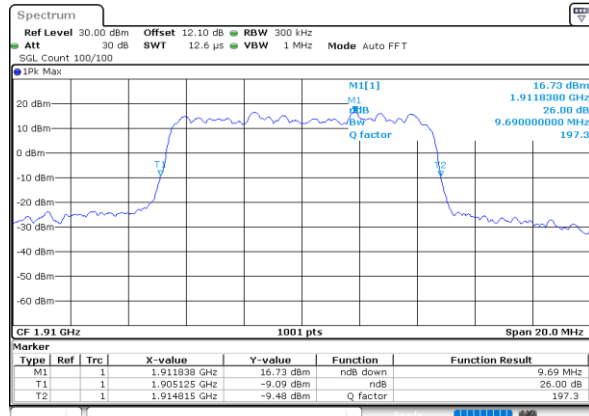
Date: 25.MAY.2020 06:12:15

Highest Channel / 5MHz / 64QAM



Date: 25.MAY.2020 05:59:35

Highest Channel / 10MHz / 64QAM

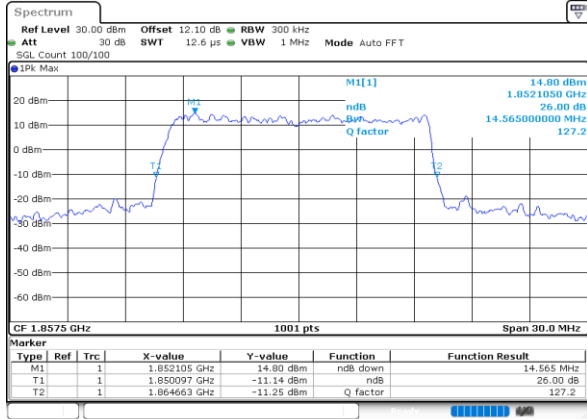


Date: 25.MAY.2020 06:12:10



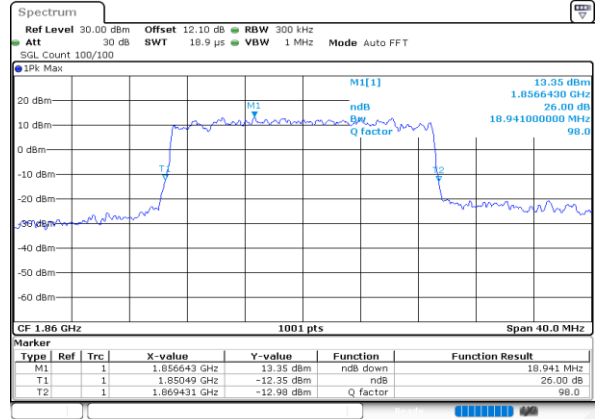
LTE Band 25

Lowest Channel / 15MHz / 64QAM



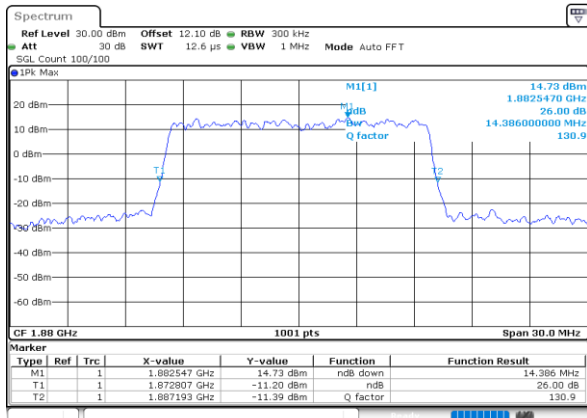
Date: 25.MAY.2020 06:24:25

Lowest Channel / 20MHz / 64QAM



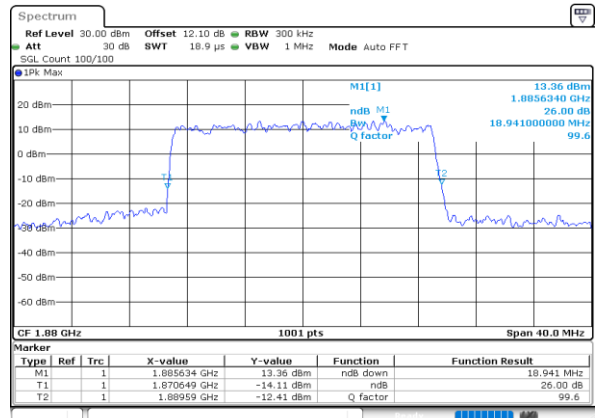
Date: 25.MAY.2020 07:10:112

Middle Channel / 15MHz / 64QAM



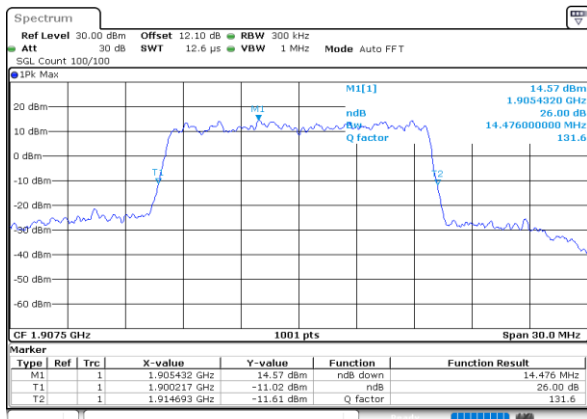
Date: 25.MAY.2020 06:32:43

Middle Channel / 20MHz / 64QAM



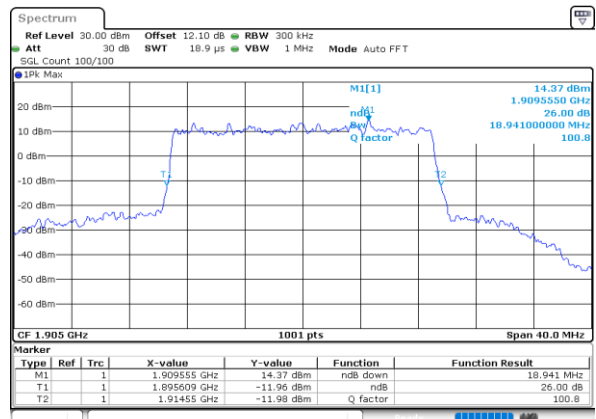
Date: 25.MAY.2020 07:10:138

Highest Channel / 15MHz / 64QAM



Date: 25.MAY.2020 06:33:46

Highest Channel / 20MHz / 64QAM



Date: 25.MAY.2020 07:10:6143



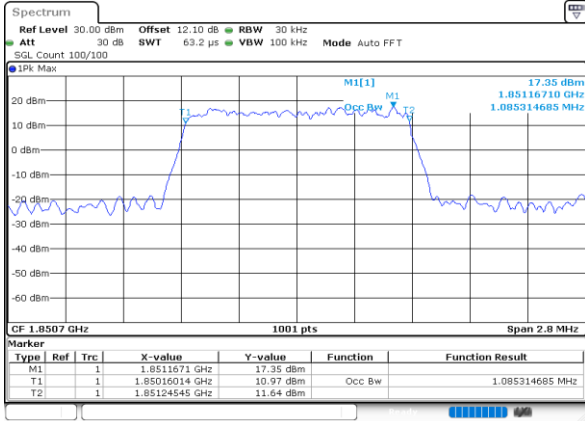
Occupied Bandwidth

Mode	LTE Band 25 : 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	2.74	2.72	4.49	4.49	9.01	8.95	13.46	13.46	17.82	17.82
Middle CH	1.09	1.08	2.72	2.71	4.50	4.48	9.03	9.01	13.37	13.37	17.86	17.90
Highest CH	1.09	1.09	2.72	2.72	4.47	4.48	9.03	8.95	13.40	13.43	17.90	17.86
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.51	-	8.93	-	13.46	-	17.86	-
Middle CH	1.10	-	2.73	-	4.50	-	9.05	-	13.43	-	17.90	-
Highest CH	1.09	-	2.74	-	4.50	-	9.01	-	13.43	-	17.78	-



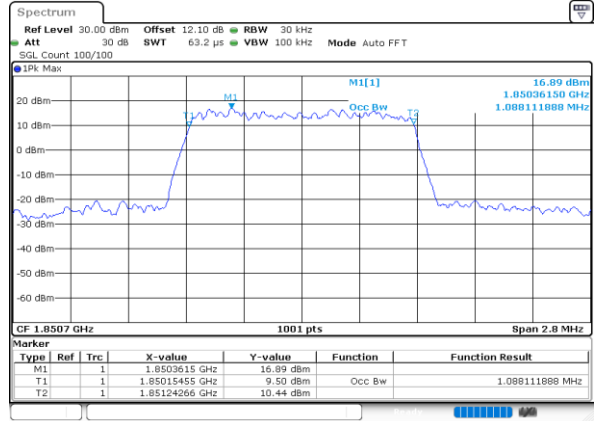
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



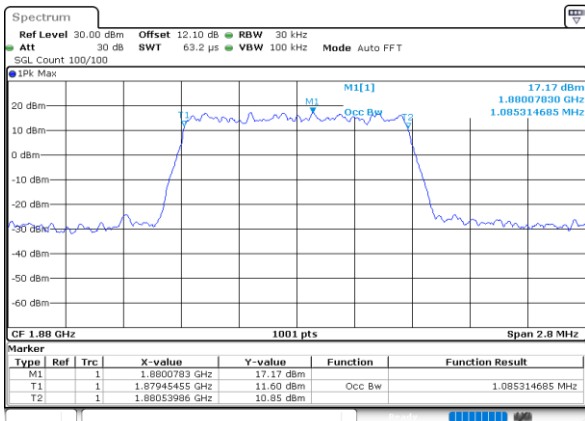
Date: 25.MAY.2020 04:56:11

Lowest Channel / 1.4MHz / 16QAM



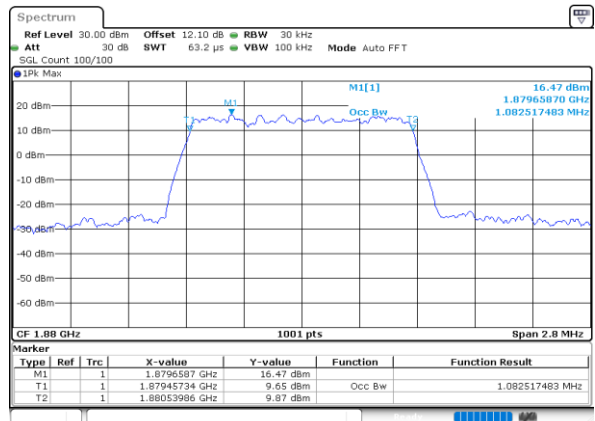
Date: 25.MAY.2020 04:56:23

Middle Channel / 1.4MHz / QPSK



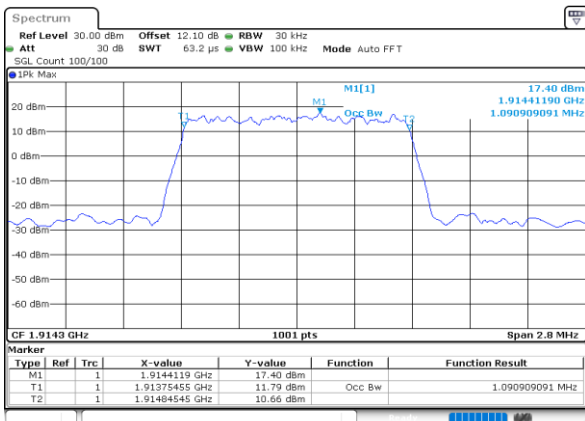
Date: 25.MAY.2020 05:02:33

Middle Channel / 1.4MHz / 16QAM



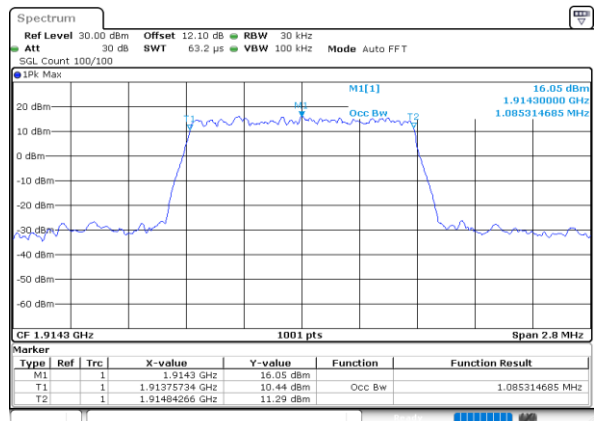
Date: 25.MAY.2020 05:02:45

Highest Channel / 1.4MHz / QPSK



Date: 25.MAY.2020 05:04:44

Highest Channel / 1.4MHz / 16QAM

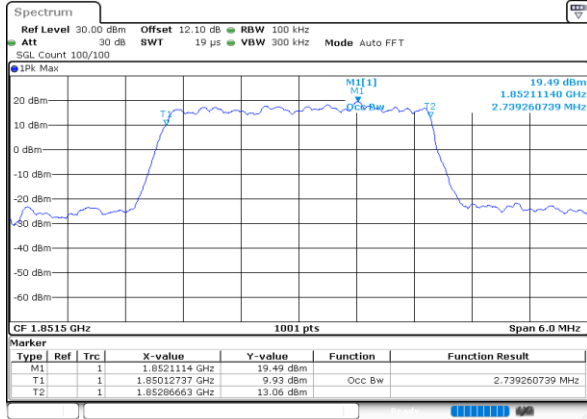


Date: 25.MAY.2020 05:04:55



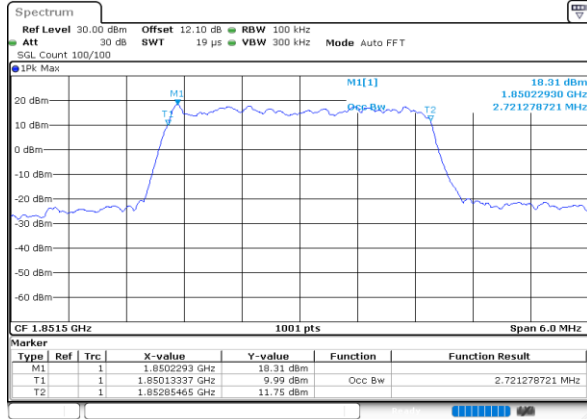
LTE Band 25

Lowest Channel / 3MHz / QPSK



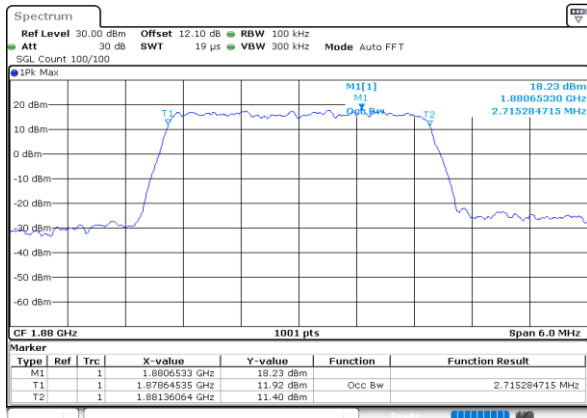
Date: 25.MAY.2020 05:26:13

Lowest Channel / 3MHz / 16QAM



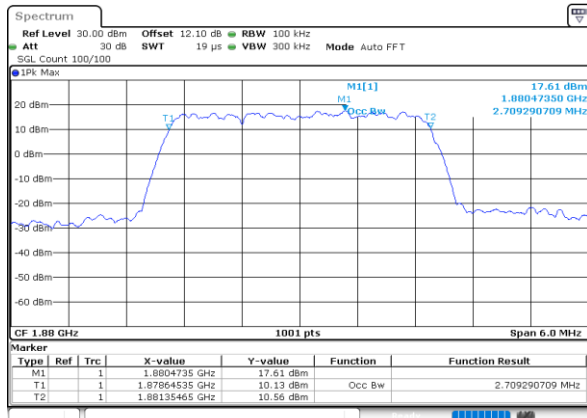
Date: 25.MAY.2020 05:12:25

Middle Channel / 3MHz / QPSK



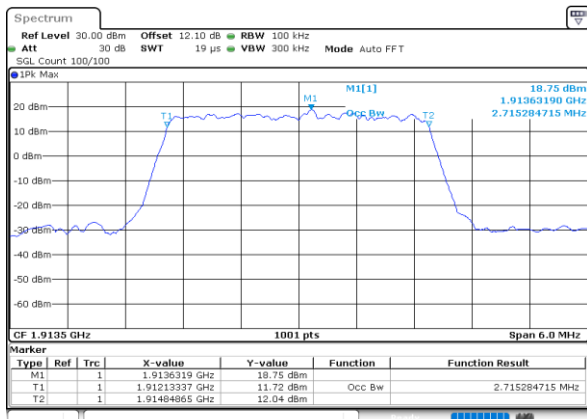
Date: 25.MAY.2020 05:13:23

Middle Channel / 3MHz / 16QAM



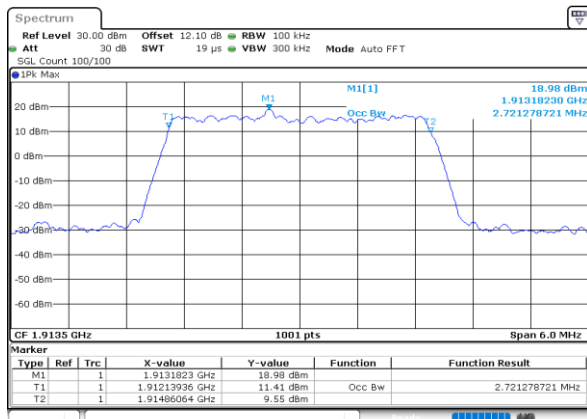
Date: 25.MAY.2020 05:13:25

Highest Channel / 3MHz / QPSK



Date: 25.MAY.2020 05:13:43

Highest Channel / 3MHz / 16QAM

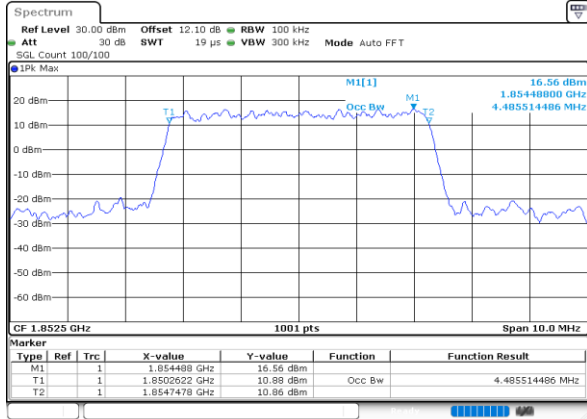


Date: 25.MAY.2020 05:13:45



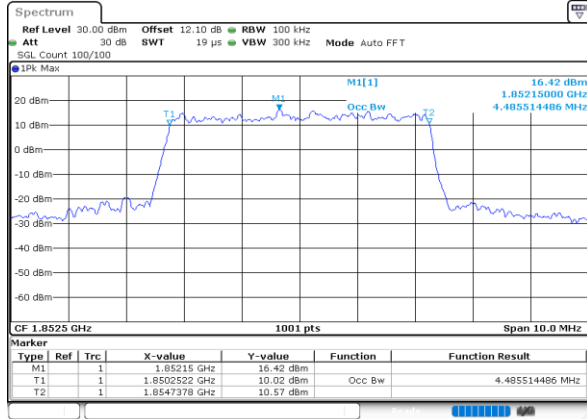
LTE Band 25

Lowest Channel / 5MHz / QPSK



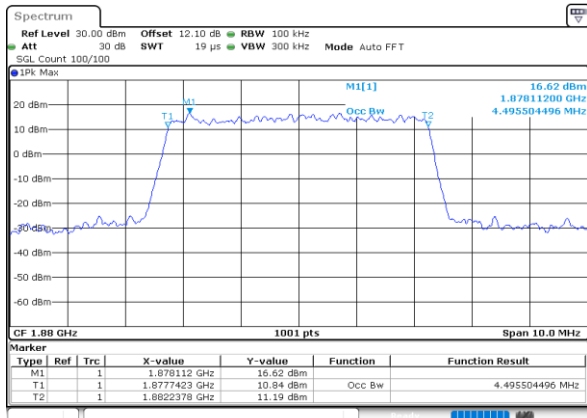
Date: 25.MAY.2020 05:40:43

Lowest Channel / 5MHz / 16QAM



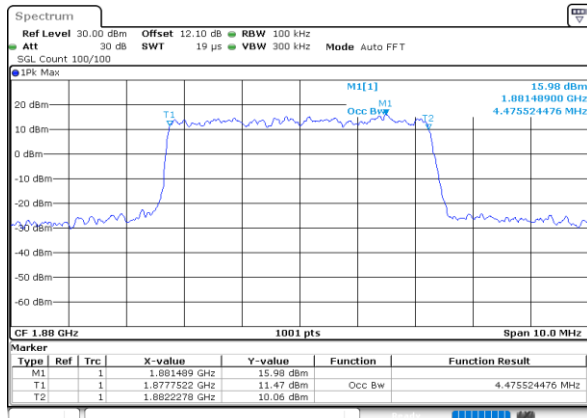
Date: 25.MAY.2020 05:14:56

Middle Channel / 5MHz / QPSK



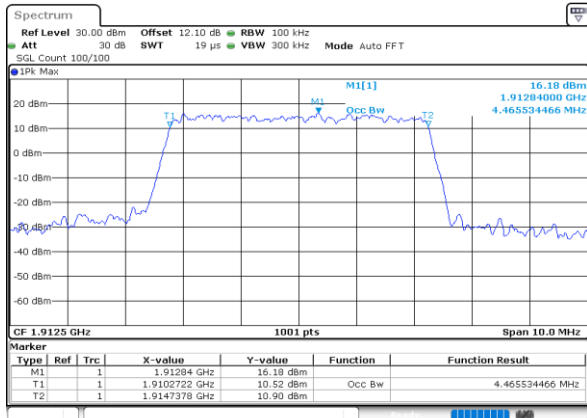
Date: 25.MAY.2020 05:14:53

Middle Channel / 5MHz / 16QAM



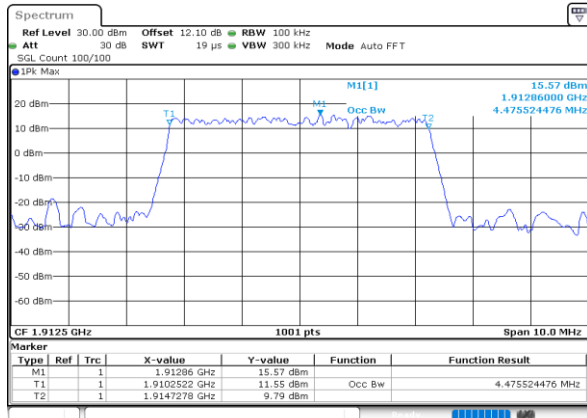
Date: 25.MAY.2020 05:14:106

Highest Channel / 5MHz / QPSK



Date: 25.MAY.2020 05:49:04

Highest Channel / 5MHz / 16QAM



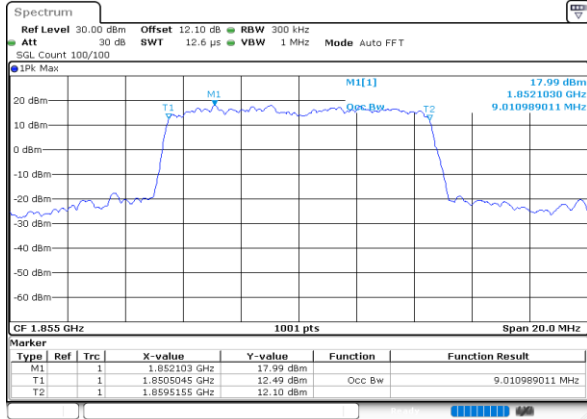
Date: 25.MAY.2020 05:149:16





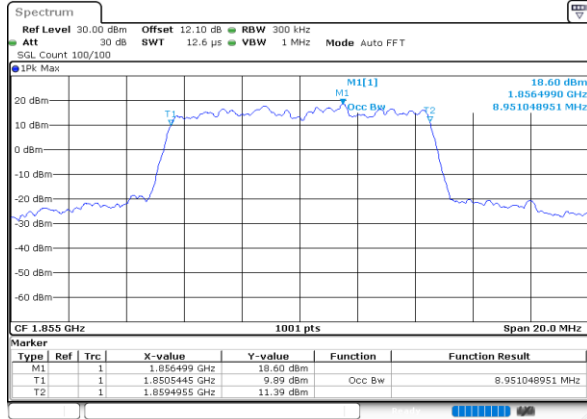
LTE Band 25

Lowest Channel / 10MHz / QPSK



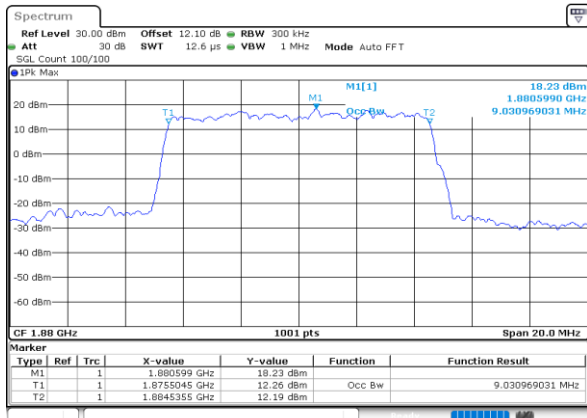
Date: 25.MAY.2020 06:02:28

Lowest Channel / 10MHz / 16QAM



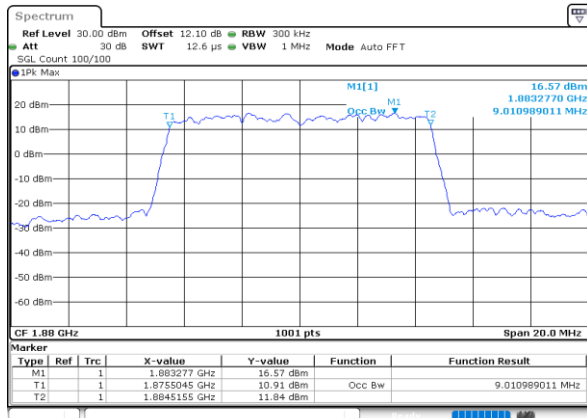
Date: 25.MAY.2020 06:02:40

Middle Channel / 10MHz / QPSK



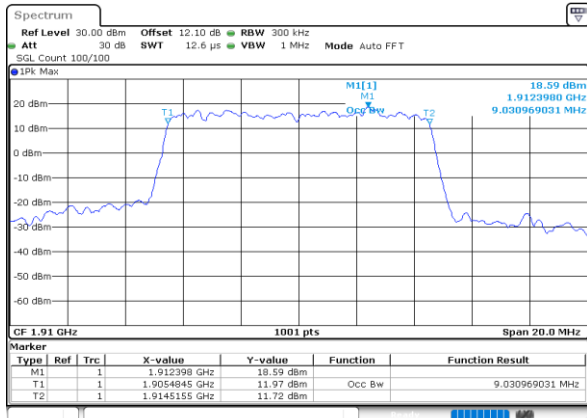
Date: 25.MAY.2020 06:08:38

Middle Channel / 10MHz / 16QAM



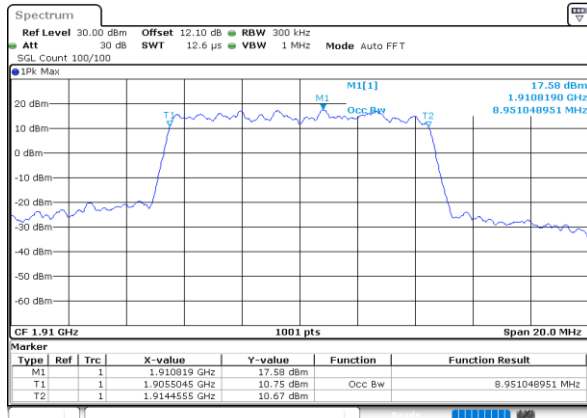
Date: 25.MAY.2020 06:08:50

Highest Channel / 10MHz / QPSK



Date: 25.MAY.2020 06:10:49

Highest Channel / 10MHz / 16QAM

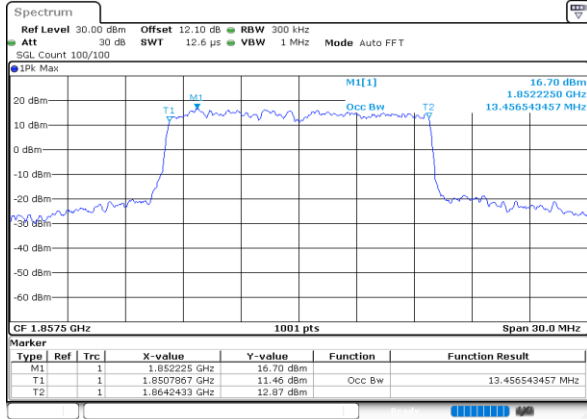


Date: 25.MAY.2020 06:11:01



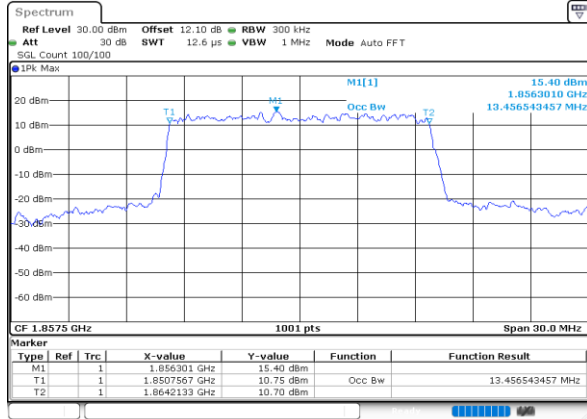
LTE Band 25

Lowest Channel / 15MHz / QPSK



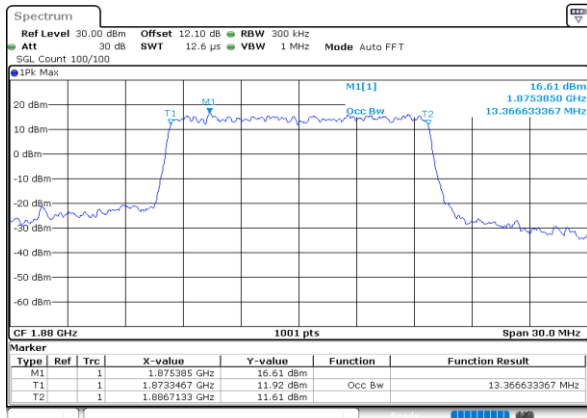
Date: 25.MAY.2020 06:36:08

Lowest Channel / 15MHz / 16QAM



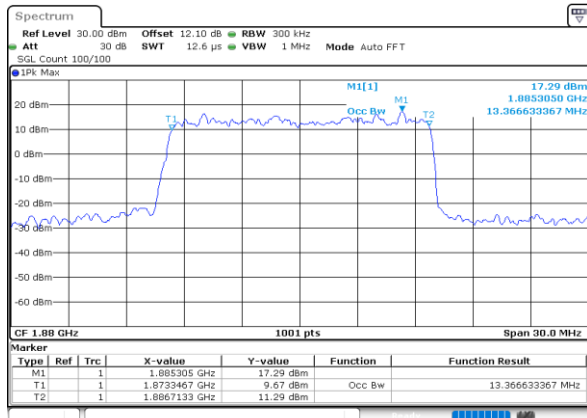
Date: 25.MAY.2020 06:13:6120

Middle Channel / 15MHz / QPSK



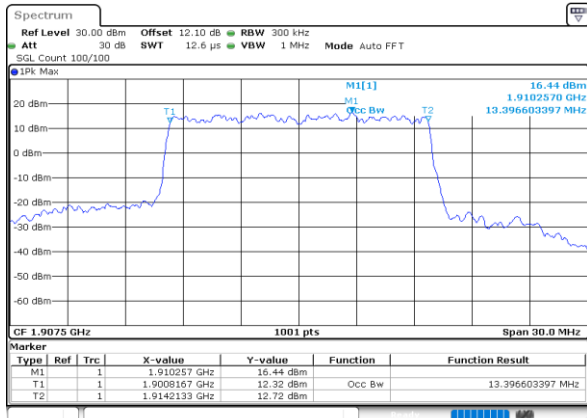
Date: 25.MAY.2020 06:40:59

Middle Channel / 15MHz / 16QAM



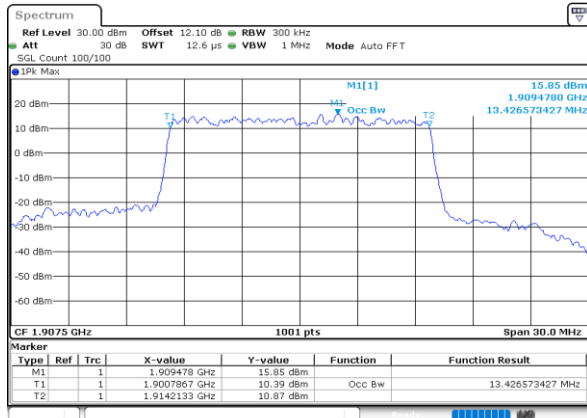
Date: 25.MAY.2020 06:41:111

Highest Channel / 15MHz / QPSK



Date: 25.MAY.2020 06:43:110

Highest Channel / 15MHz / 16QAM

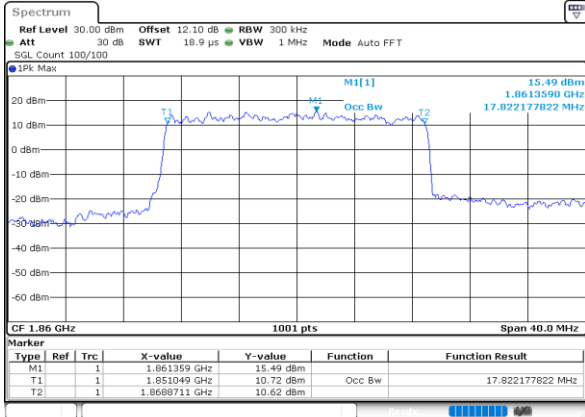


Date: 25.MAY.2020 06:43:121



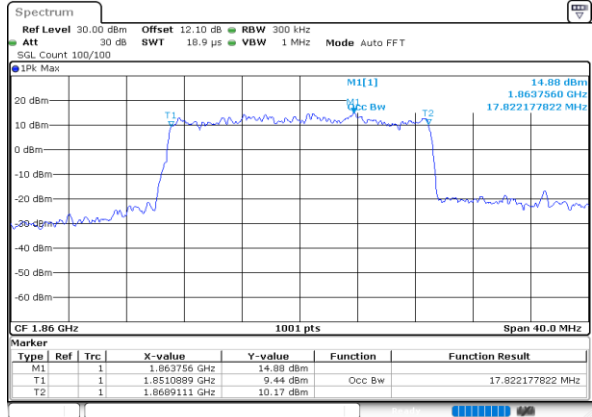
LTE Band 25

Lowest Channel / 20MHz / QPSK



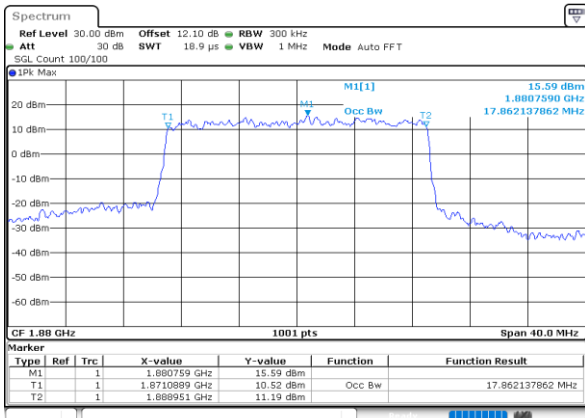
Date: 25.MAY.2020 06:48:16

Lowest Channel / 20MHz / 16QAM



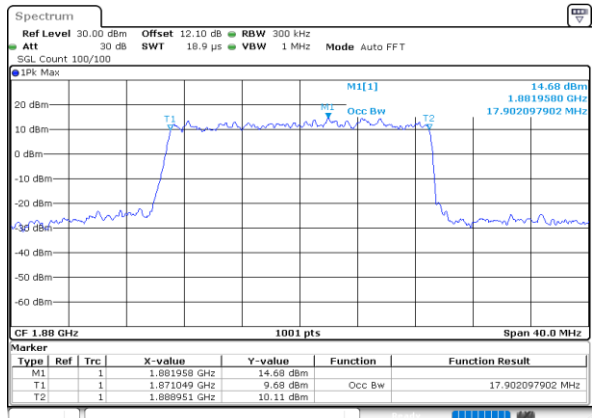
Date: 25.MAY.2020 06:48:28

Middle Channel / 20MHz / QPSK



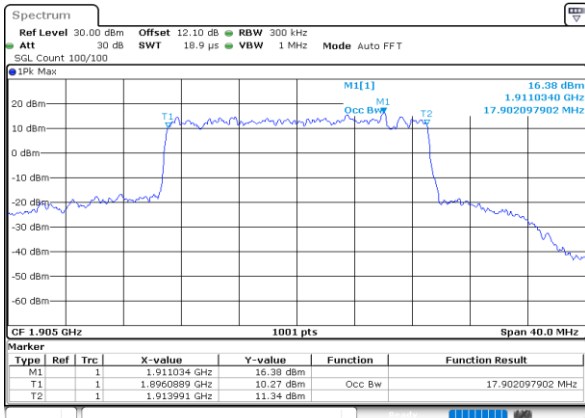
Date: 25.MAY.2020 06:53:06

Middle Channel / 20MHz / 16QAM



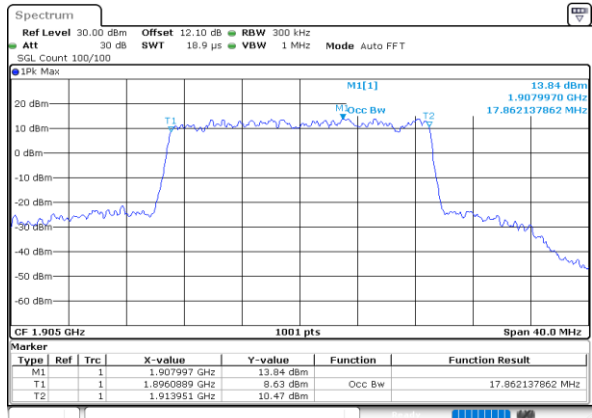
Date: 25.MAY.2020 06:53:18

Highest Channel / 20MHz / QPSK



Date: 25.MAY.2020 06:55:16

Highest Channel / 20MHz / 16QAM



Date: 25.MAY.2020 06:55:28