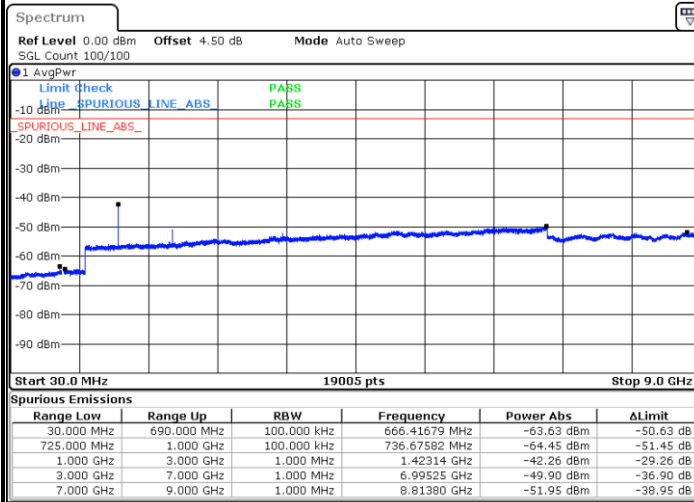




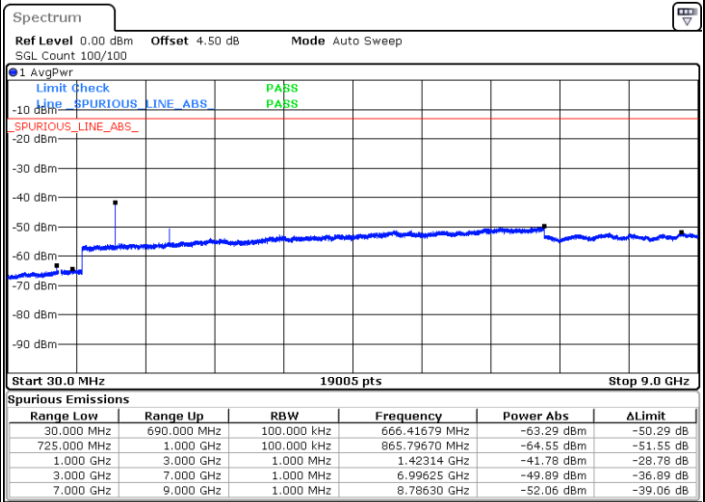
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 2 APR 2020 17:28:27

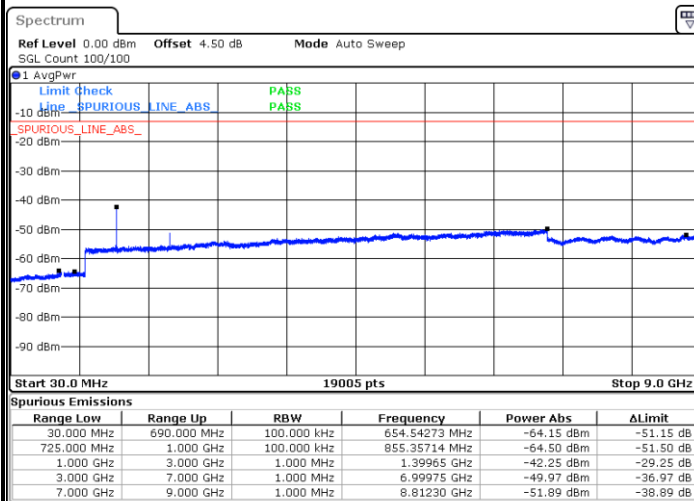
Highest Channel / 16QAM



Date: 2 APR 2020 17:28:55

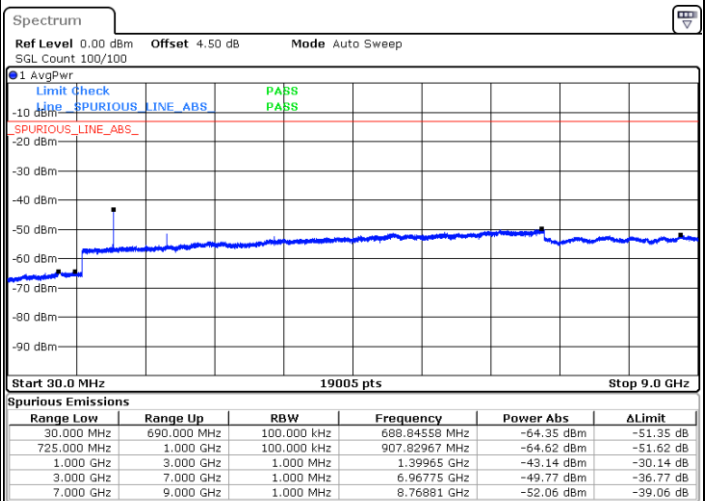
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 2 APR 2020 17:56:07

Lowest Channel / 16QAM

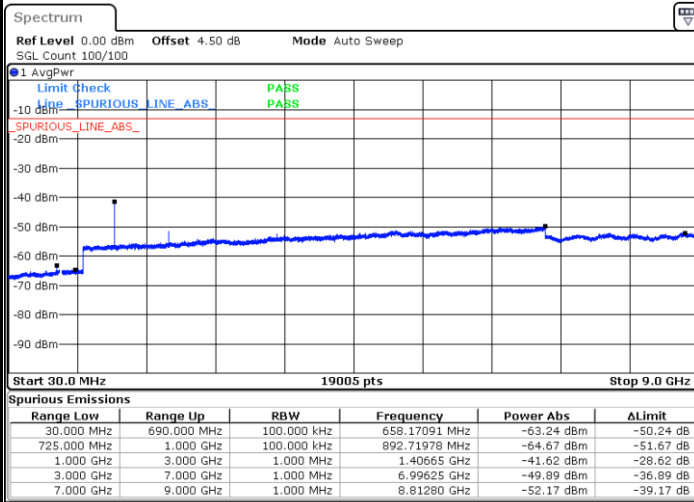


Date: 2 APR 2020 17:57:01



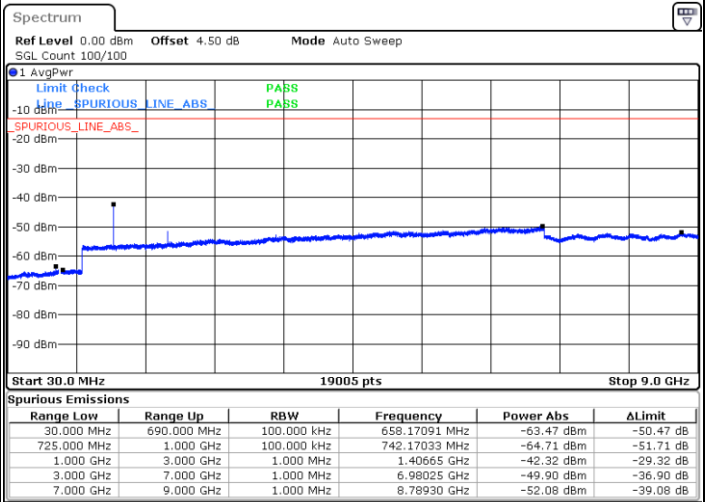
LTE Band 12 / 10MHz

Middle Channel / QPSK



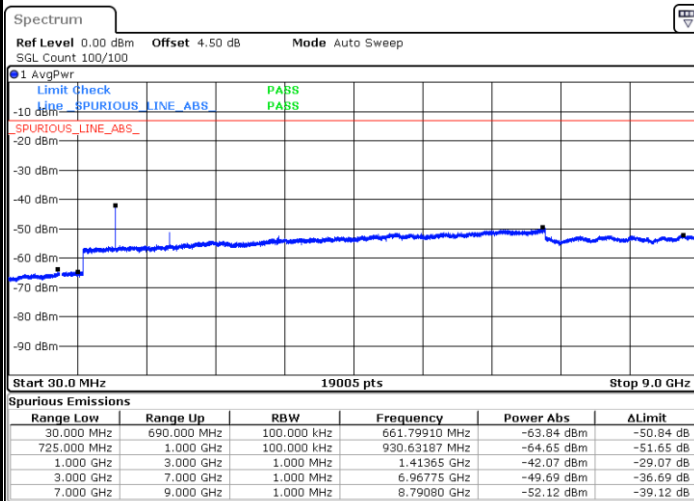
Date: 2 APR 2020 18:00:38

Middle Channel / 16QAM



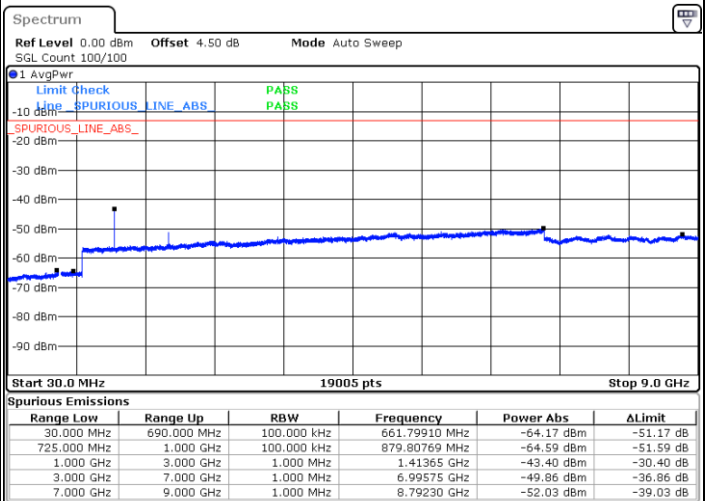
Date: 2 APR 2020 17:59:44

Highest Channel / QPSK



Date: 2 APR 2020 18:01:33

Highest Channel / 16QAM

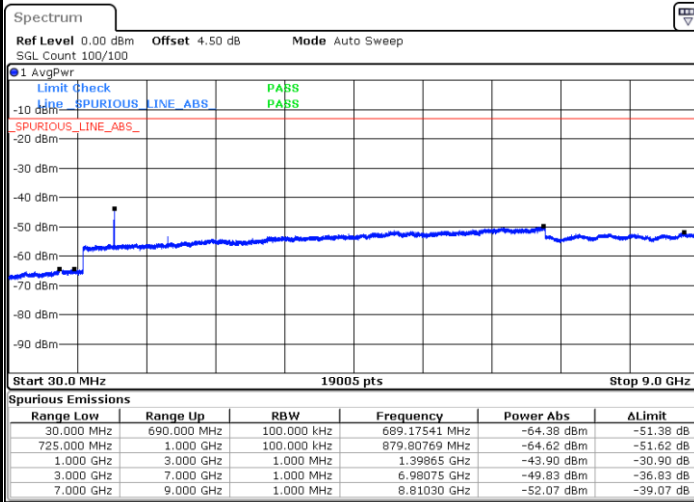


Date: 2 APR 2020 18:02:27



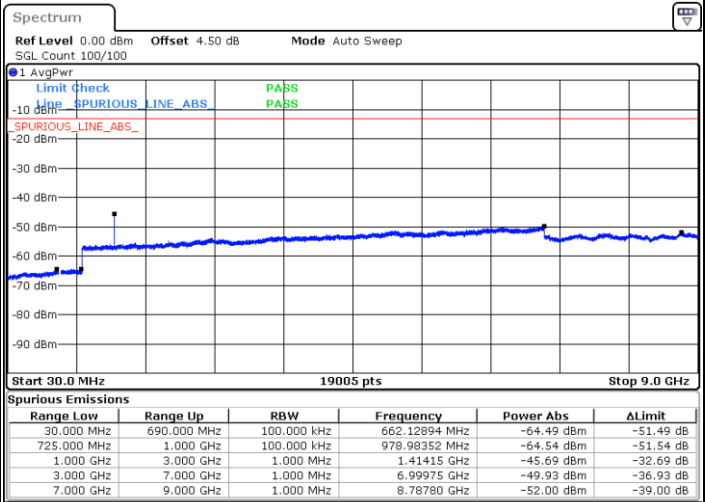
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



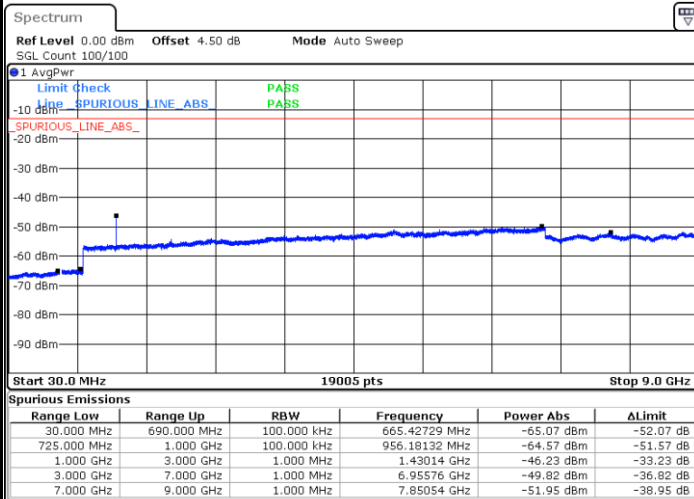
Date: 2 APR 2020 16:47:02

Middle Channel / 64QAM



Date: 2 APR 2020 16:48:44

Highest Channel / 64QAM

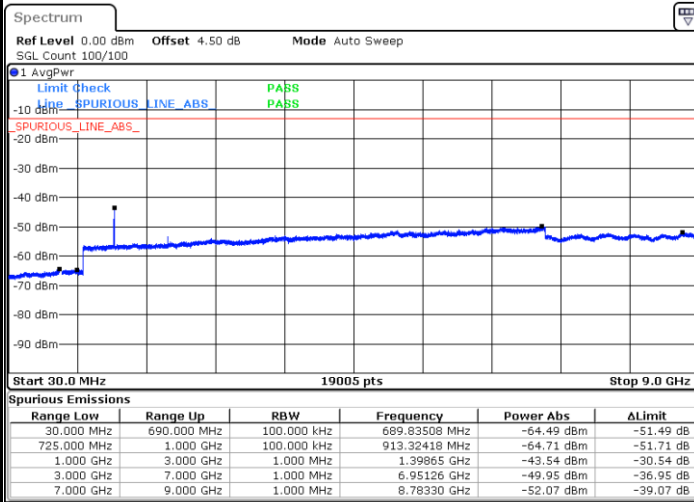


Date: 2 APR 2020 16:54:45



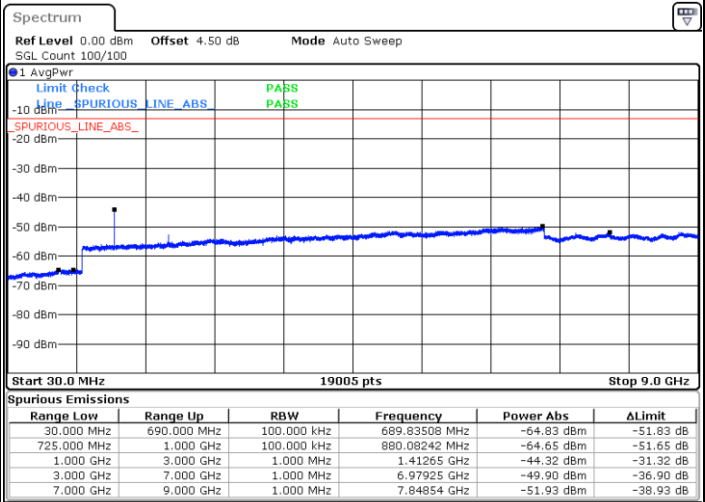
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



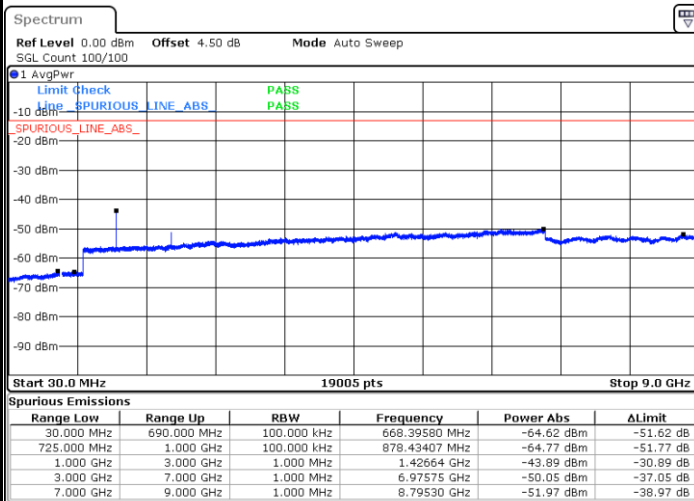
Date: 2 APR 2020 17:02:59

Middle Channel / 64QAM



Date: 2 APR 2020 17:05:47

Highest Channel / 64QAM

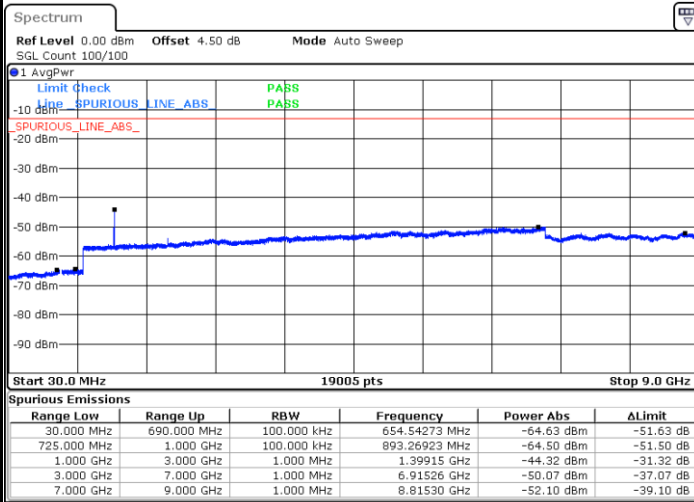


Date: 2 APR 2020 17:11:06



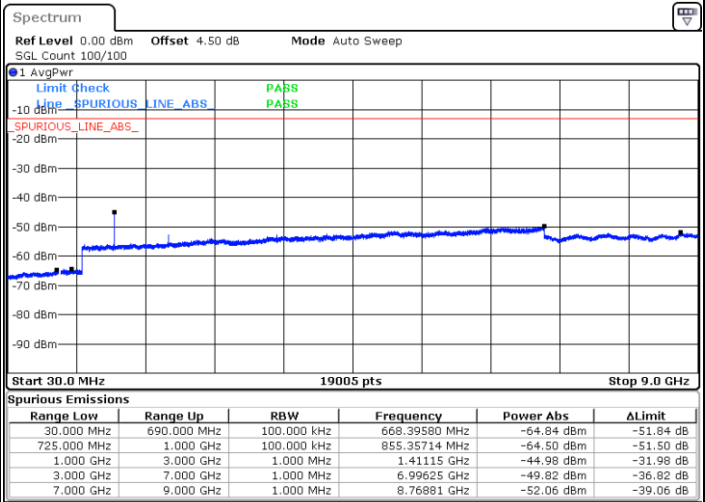
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



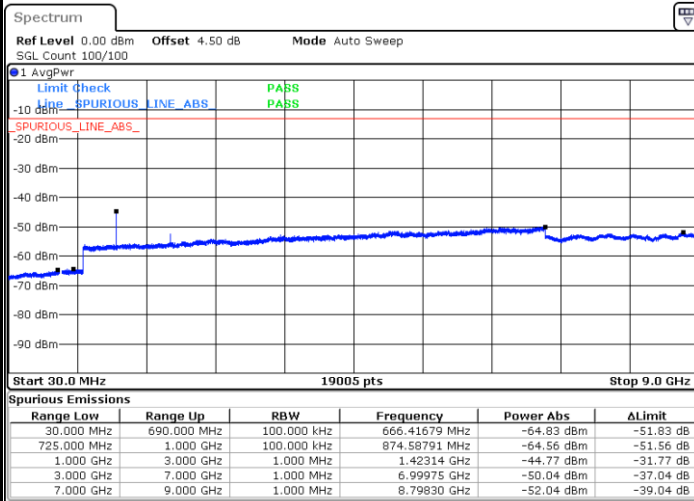
Date: 2 APR 2020 17:22:01

Middle Channel / 64QAM



Date: 2 APR 2020 17:23:20

Highest Channel / 64QAM

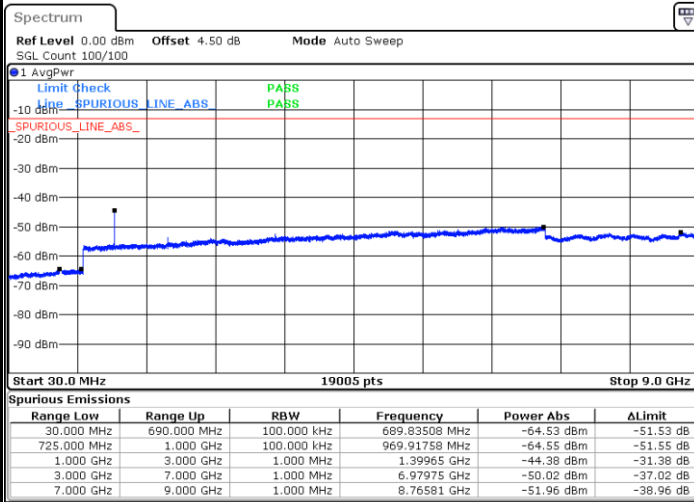


Date: 2 APR 2020 17:29:23



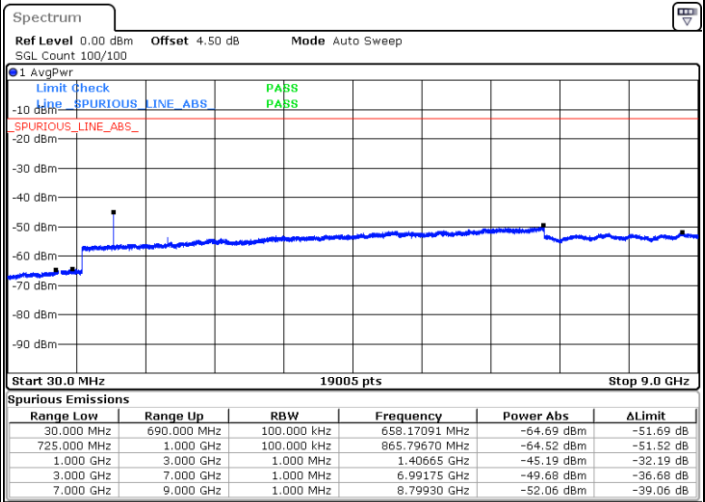
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



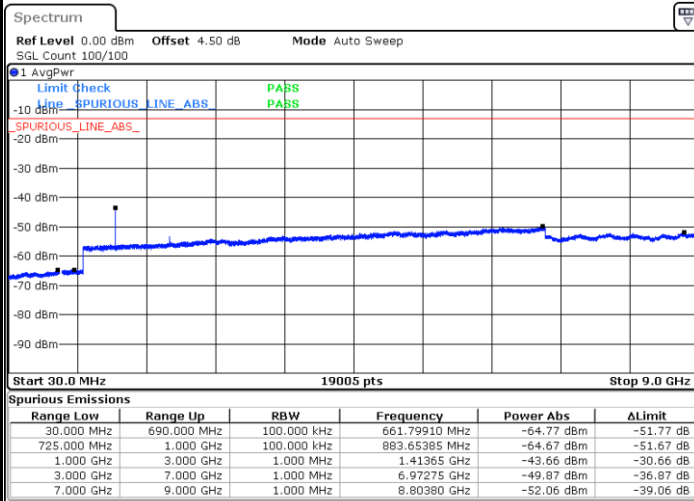
Date: 2 APR 2020 17:57:55

Middle Channel / 64QAM



Date: 2 APR 2020 17:58:50

Highest Channel / 64QAM

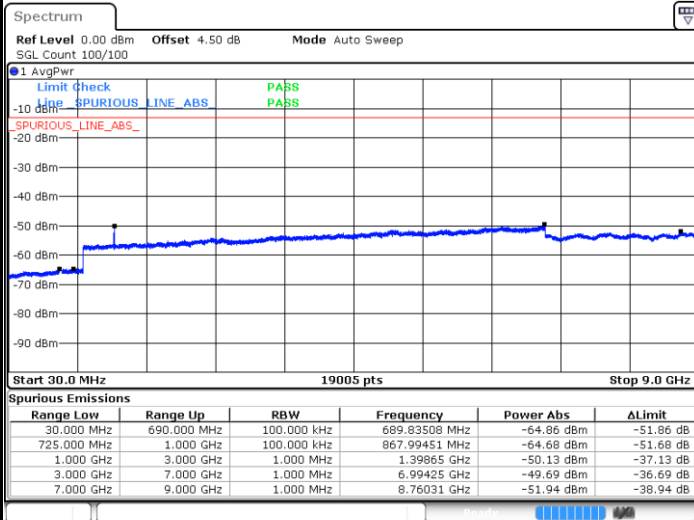


Date: 2 APR 2020 18:03:22



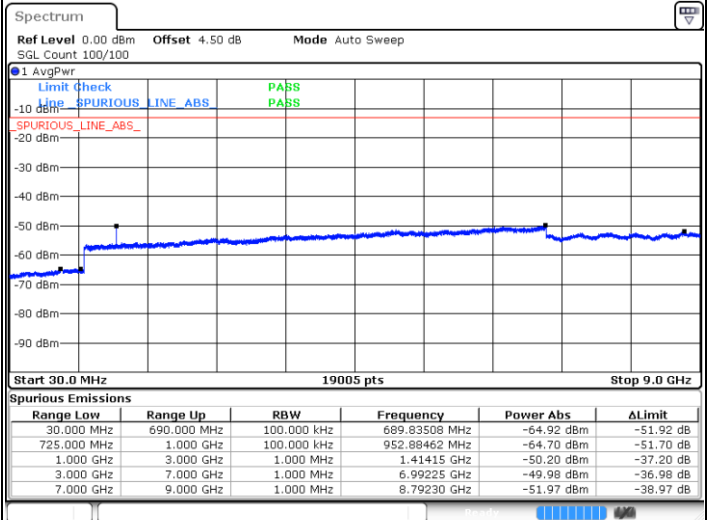
LTE Band 12 / 1.4MHz

Lowest Channel / 256QAM



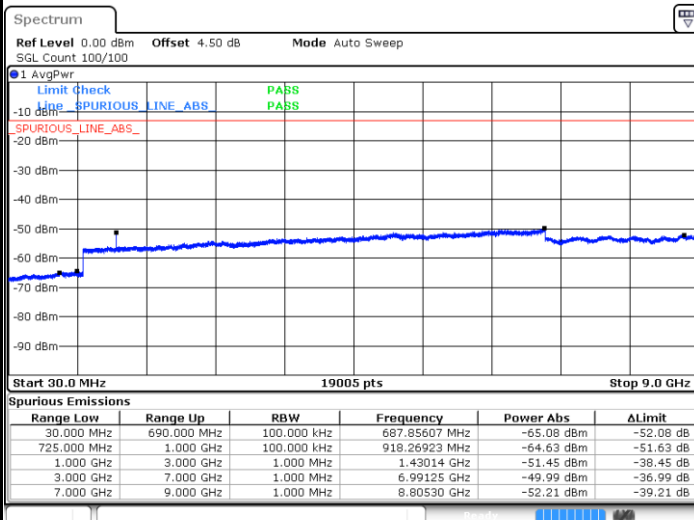
Date: 9 APR 2020 16:47:17

Middle Channel / 256QAM



Date: 9 APR 2020 16:50:12

Highest Channel / 256QAM

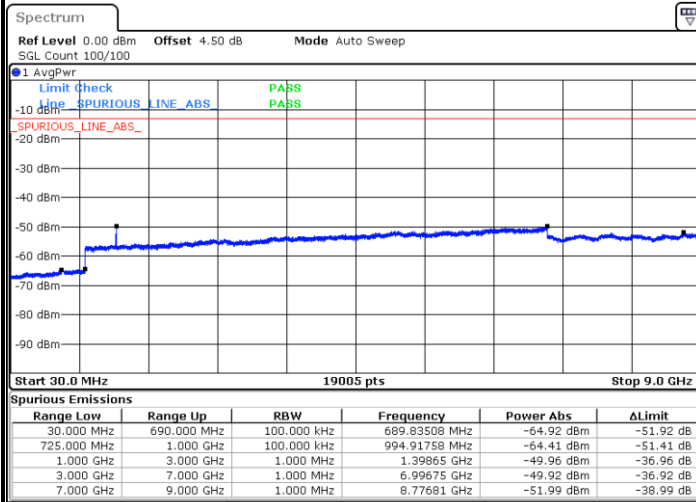


Date: 9 APR 2020 16:52:41



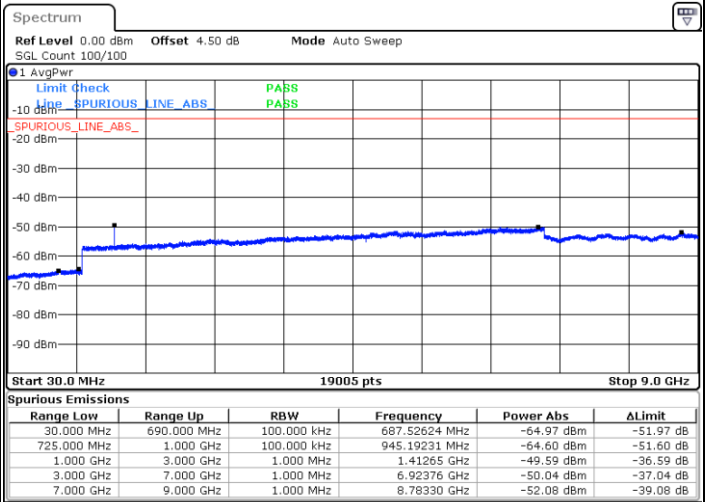
LTE Band 12 / 3MHz

Lowest Channel / 256QAM



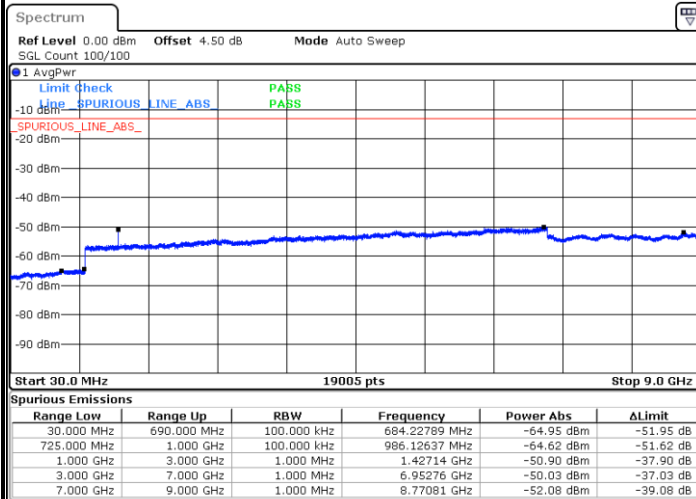
Date: 9 APR 2020 16:56:37

Middle Channel / 256QAM



Date: 9 APR 2020 16:58:38

Highest Channel / 256QAM

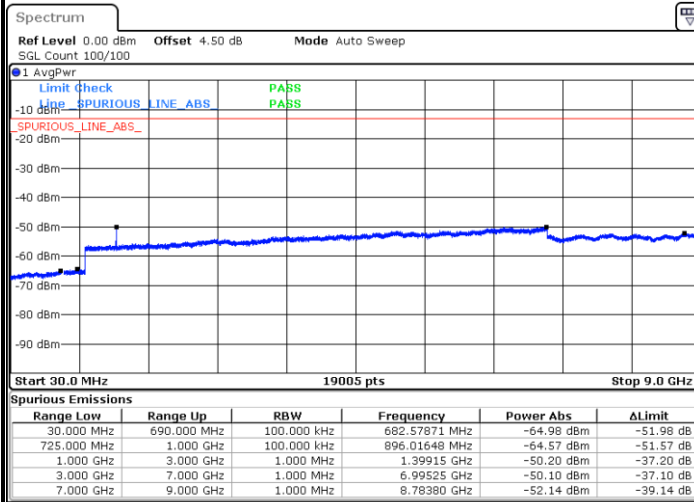


Date: 9 APR 2020 17:01:22



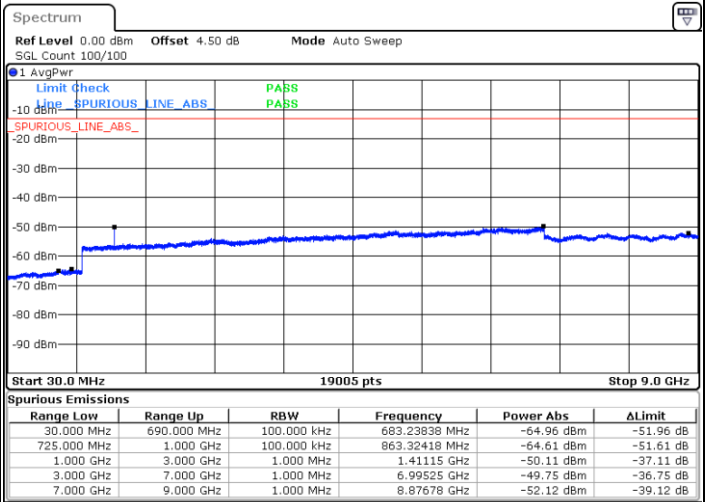
LTE Band 12 / 5MHz

Lowest Channel / 256QAM



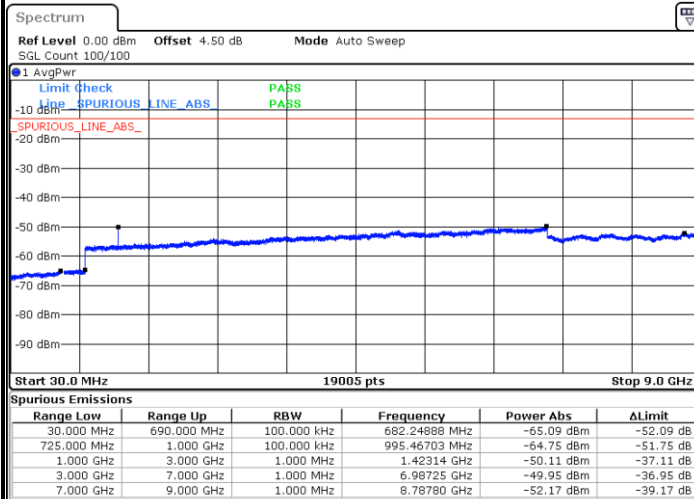
Date: 9 APR 2020 17:05:29

Middle Channel / 256QAM



Date: 9 APR 2020 17:07:34

Highest Channel / 256QAM AM

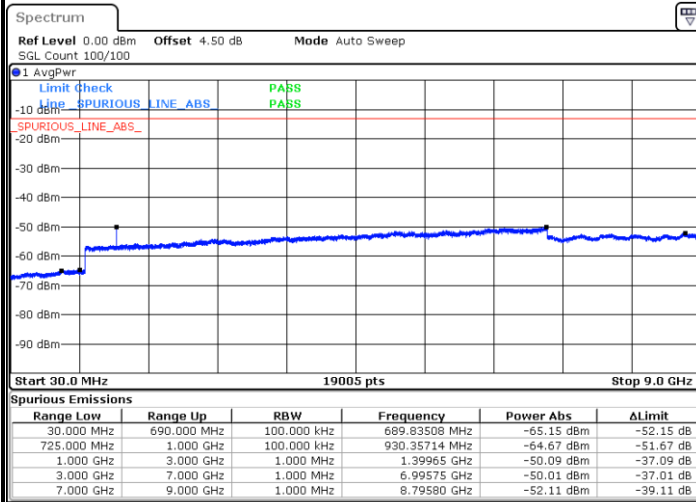


Date: 9 APR 2020 17:10:12



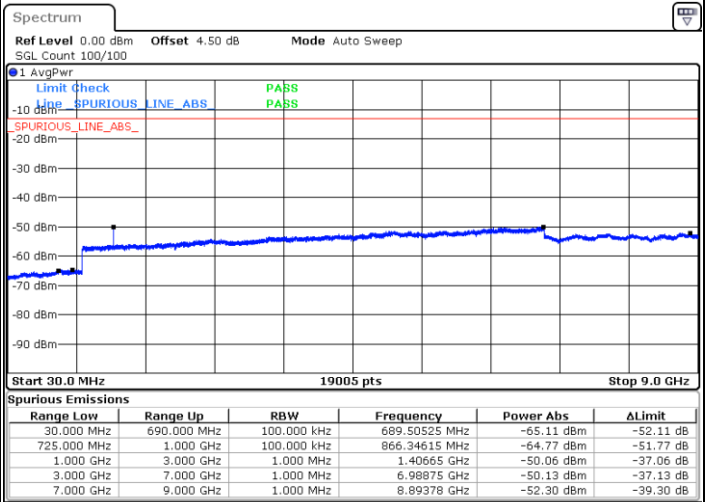
LTE Band 12 / 10MHz

Lowest Channel / 256QAM



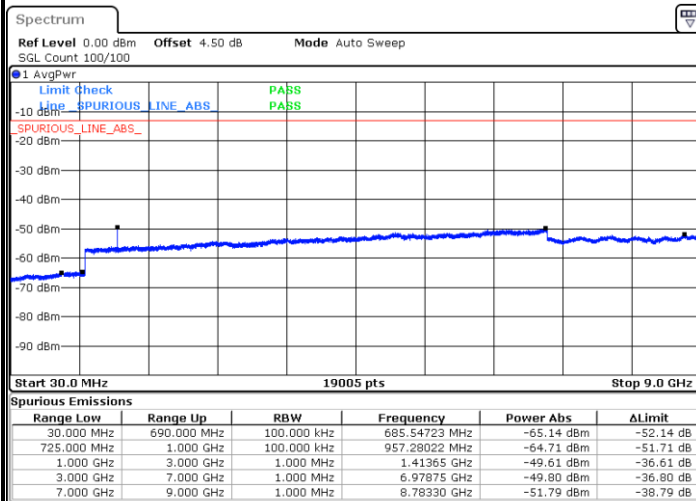
Date: 9 APR 2020 17:16:47

Middle Channel / 256QAM



Date: 9 APR 2020 17:19:11

Highest Channel / 256QAM



Date: 9 APR 2020 17:21:59

A3.6. Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0052	

Note:

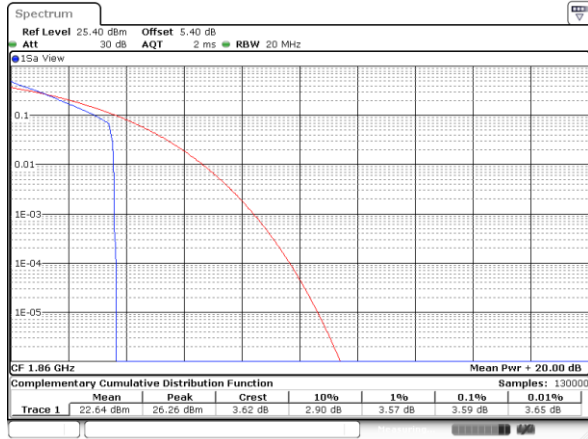
1. Normal Voltage =110 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =120 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



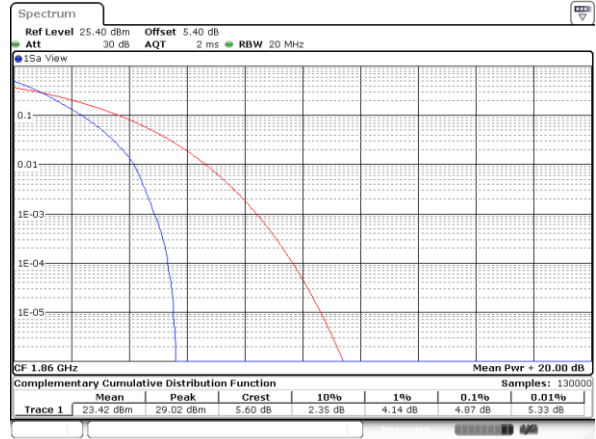
A4. LTE Band 25

A4.1. Peak-to-Average Ratio

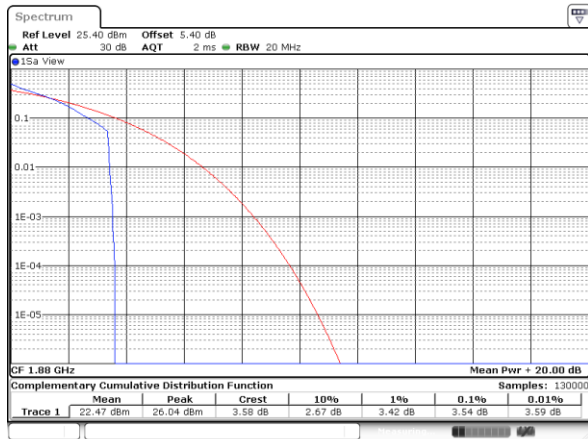
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.87	5.39	5.88	PASS
Middle CH	3.54	4.99	4.99	5.91	
Highest CH	3.54	5.13	5.16	6.03	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.61	6.38	6.52	6.46	PASS
Middle CH	6.35	6.49	6.29	6.43	
Highest CH	6.78	6.52	6.87	6.52	

LTE Band 25 / 20MHz / QPSK
Lowest Channel / 1RB


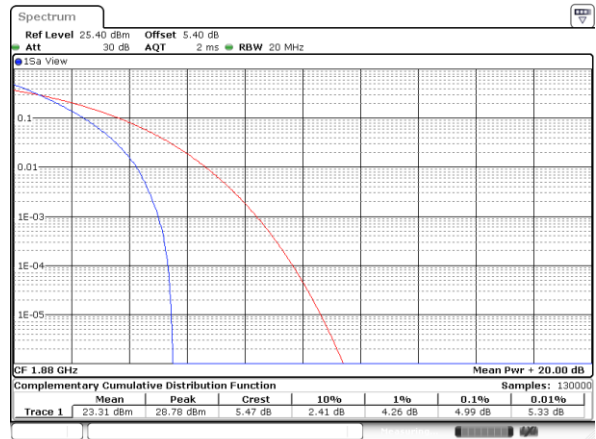
Date: 3 APR 2020 00:56:14

Lowest Channel / Full RB


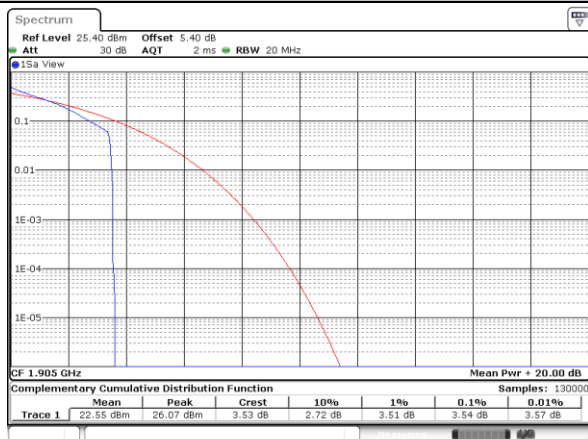
Date: 3 APR 2020 00:57:03

Middle Channel / 1RB


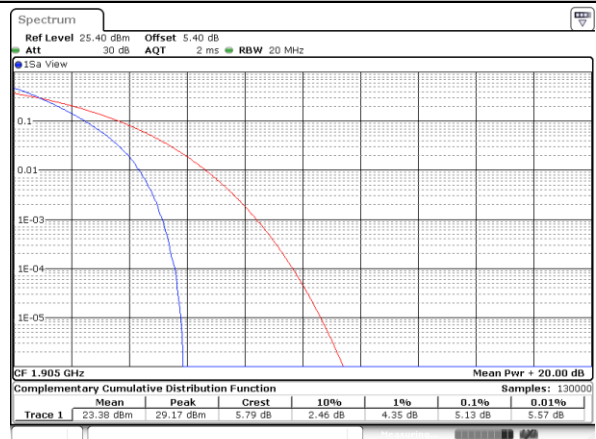
Date: 3 APR 2020 00:57:58

Middle Channel / Full RB


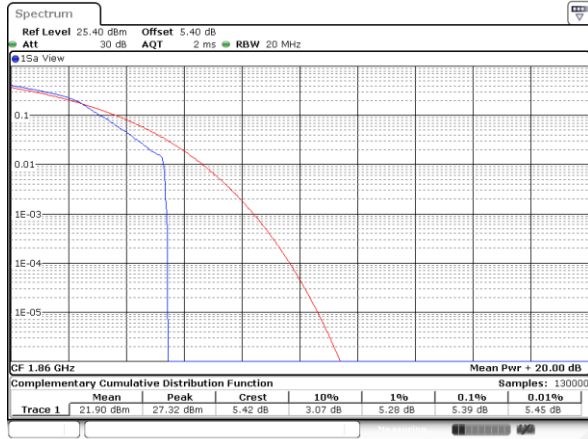
Date: 3 APR 2020 00:57:13

Highest Channel / 1RB


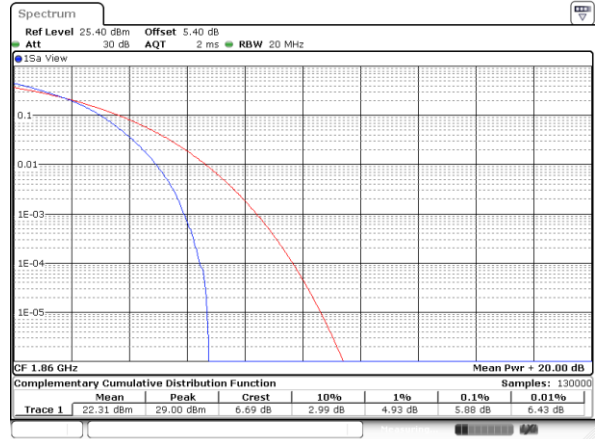
Date: 3 APR 2020 00:58:07

Highest Channel / Full RB


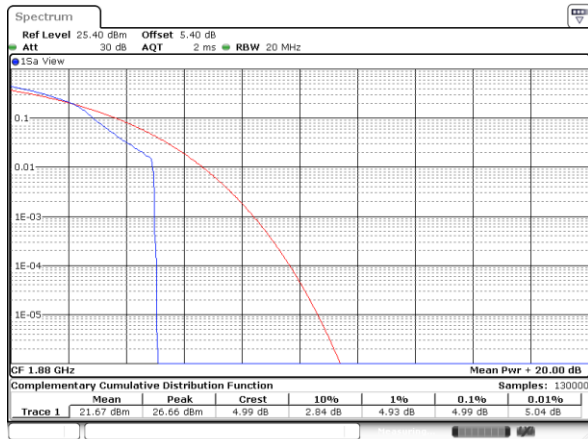
Date: 3 APR 2020 00:58:52

LTE Band 25 / 20MHz / 16QAM
Lowest Channel / 1RB


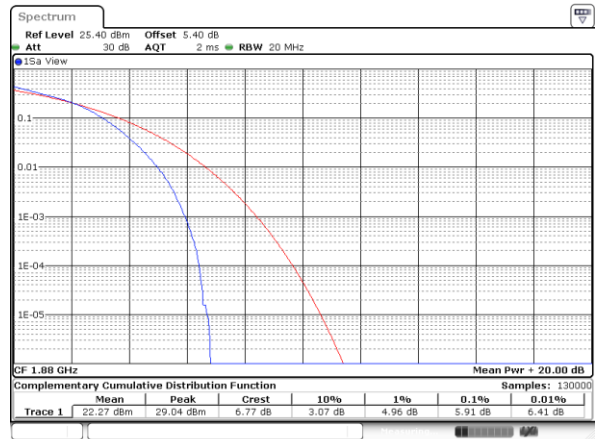
Date: 3 APR 2020 00:56:23

Lowest Channel / Full RB


Date: 3 APR 2020 00:56:54

Middle Channel / 1RB


Date: 3 APR 2020 00:57:49

Middle Channel / Full RB


Date: 3 APR 2020 00:57:22

Highest Channel / 1RB


Date: 3 APR 2020 00:58:16

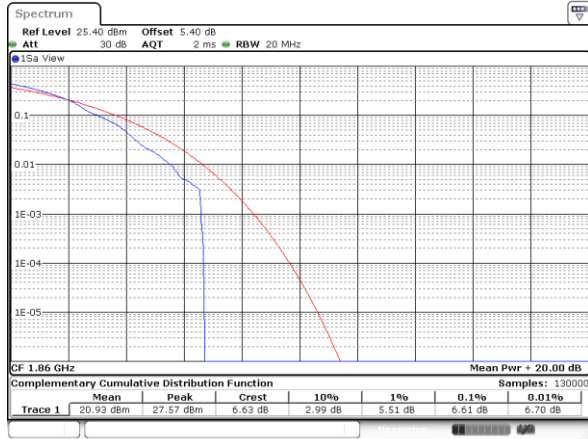
Highest Channel / Full RB


Date: 3 APR 2020 00:58:43

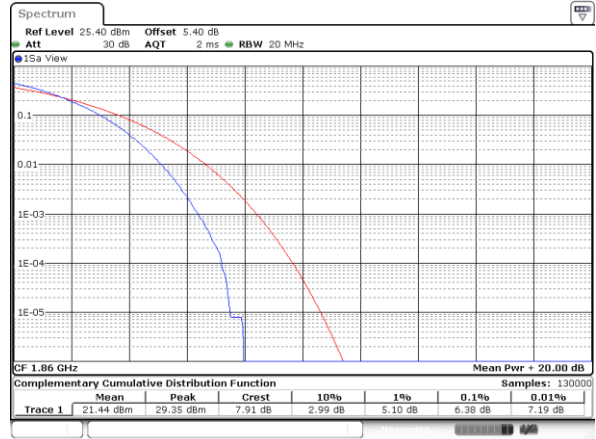


LTE Band 25 / 20MHz / 64QAM

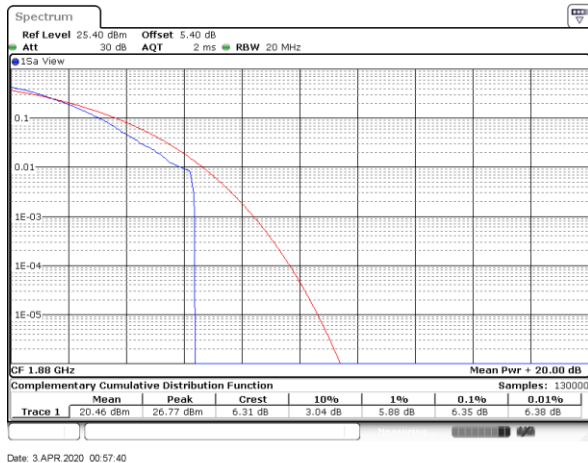
Lowest Channel / 1RB



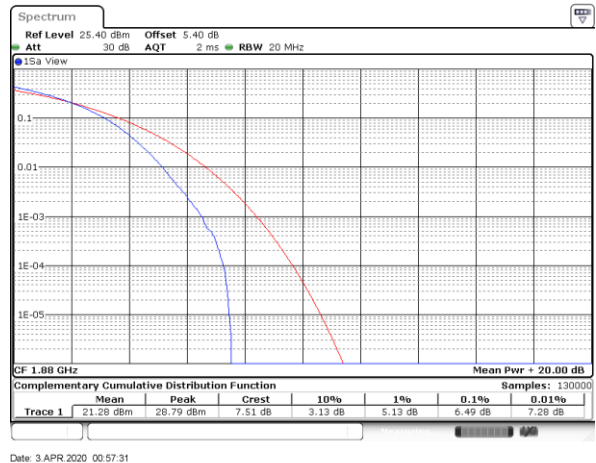
Lowest Channel / Full RB



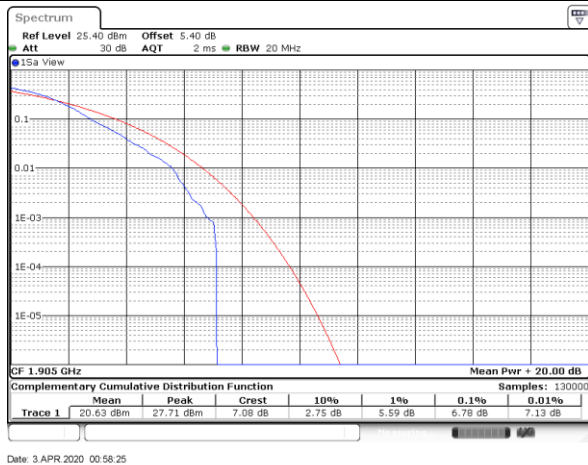
Middle Channel / 1RB



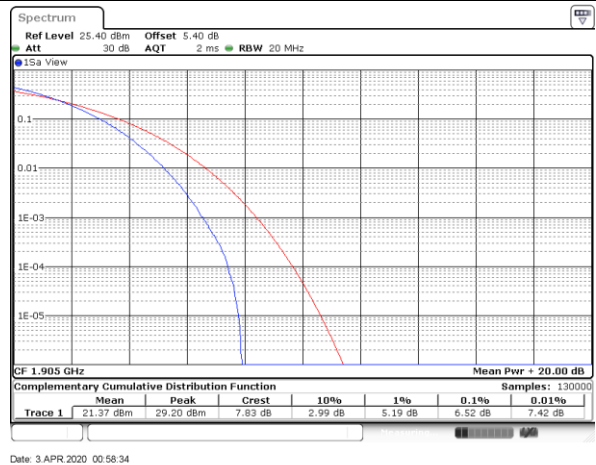
Middle Channel / Full RB



Highest Channel / 1RB



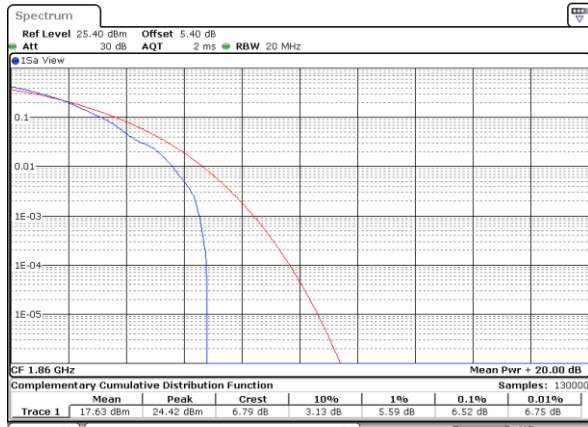
Highest Channel / Full RB



LTE Band 25 / 20MHz / 256QAM

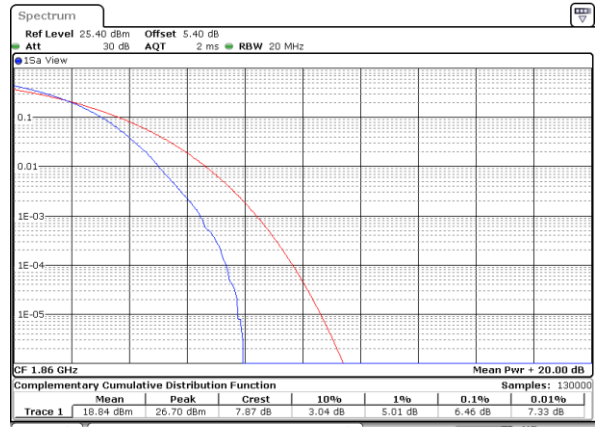


Lowest Channel / 1RB



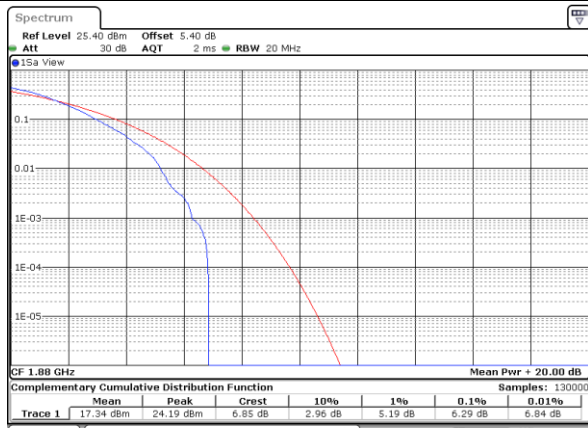
Date: 8 APR 2020 02:50:42

Lowest Channel / Full RB



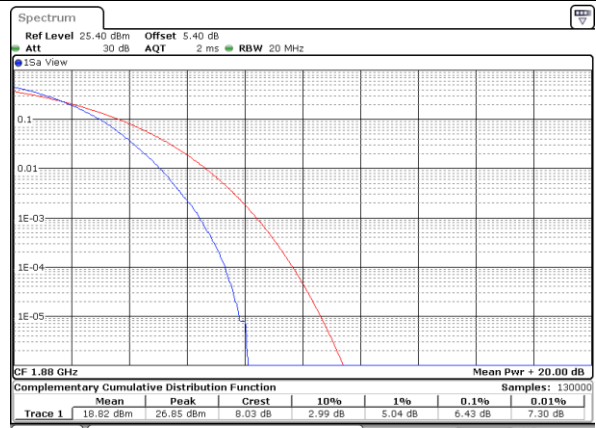
Date: 8 APR 2020 02:51:14

Middle Channel / 1RB



Date: 8 APR 2020 02:52:12

Middle Channel / Full RB



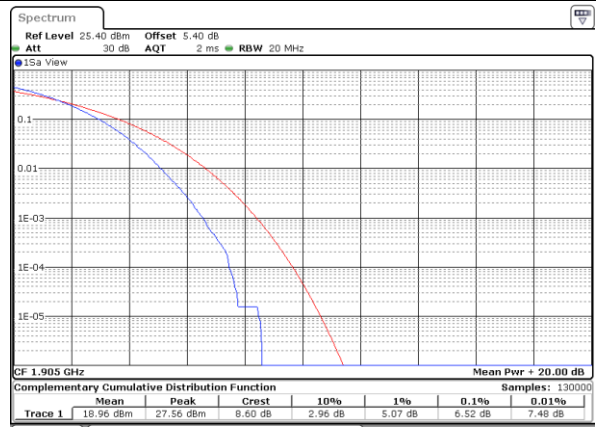
Date: 8 APR 2020 02:51:40

Highest Channel / 1RB



Date: 8 APR 2020 02:53:42

Highest Channel / Full RB



Date: 8 APR 2020 02:55:42



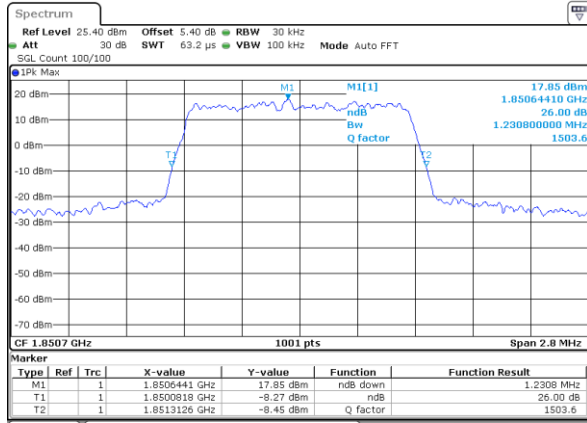
A4.2. 26dB Bandwidth

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	1.23	1.24	2.99	3.02	4.89	4.89	9.63	9.81	14.39	14.42	20.22	20.26
Middle CH	1.22	1.22	3.02	3.03	4.85	4.92	9.63	9.79	14.27	14.45	20.26	20.26
Highest CH	1.20	1.24	2.99	2.99	4.89	4.84	9.85	9.73	14.15	14.39	20.54	20.30
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Lowest CH	1.23	1.23	3.05	3.01	4.93	4.96	9.79	9.85	14.45	14.54	20.10	20.10
Middle CH	1.24	1.24	3.06	3.05	4.91	4.88	9.81	9.71	14.48	14.33	20.38	20.26
Highest CH	1.24	1.26	3.01	2.96	4.90	4.88	9.81	9.73	14.54	14.24	20.34	20.22



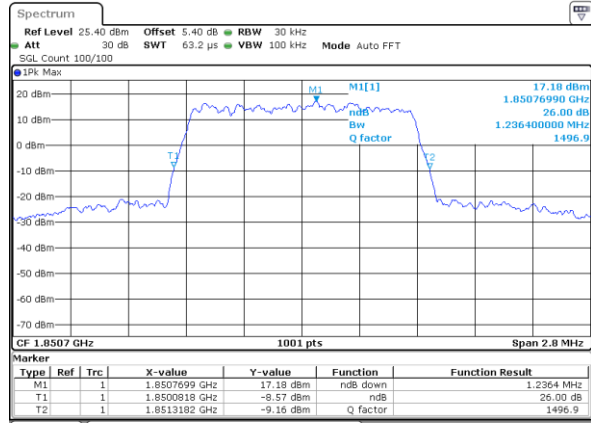
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



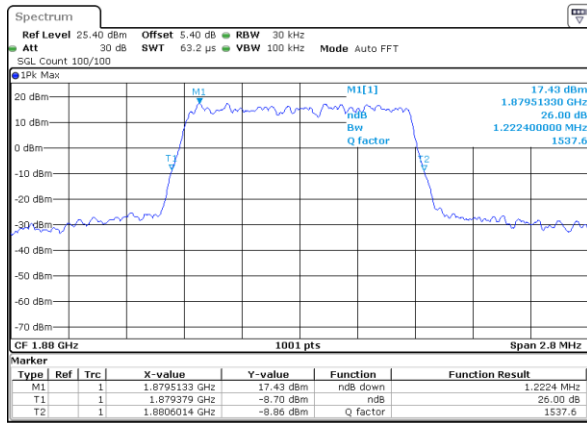
Date: 2 APR 2020 21:52:41

Lowest Channel / 1.4MHz / 16QAM



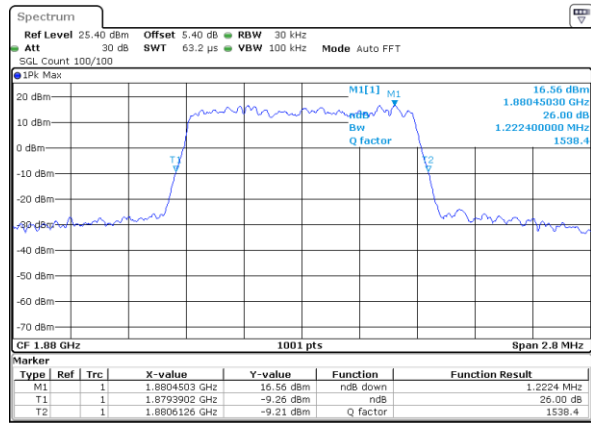
Date: 2 APR 2020 21:53:01

Middle Channel / 1.4MHz / QPSK



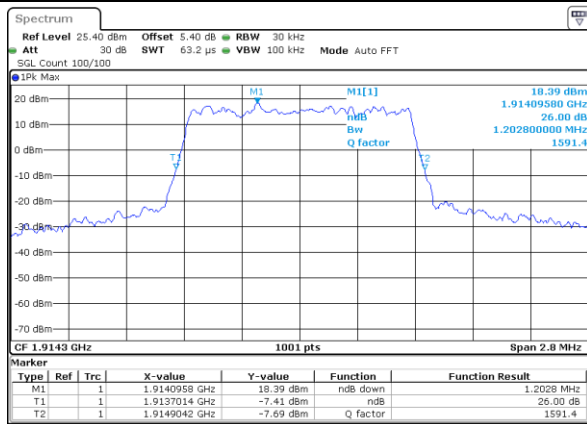
Date: 2 APR 2020 21:53:41

Middle Channel / 1.4MHz / 16QAM



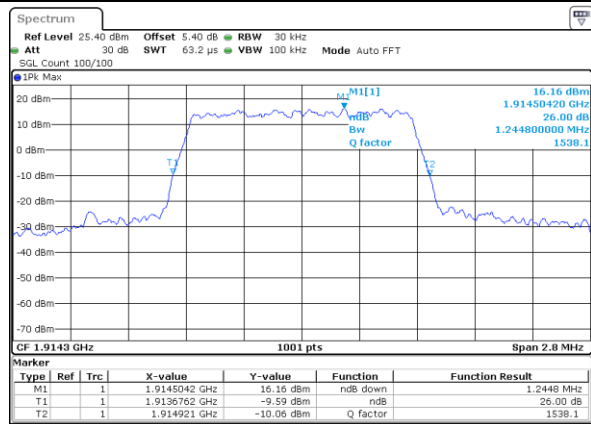
Date: 2 APR 2020 21:54:01

Highest Channel / 1.4MHz / QPSK



Date: 2 APR 2020 21:54:41

Highest Channel / 1.4MHz / 16QAM

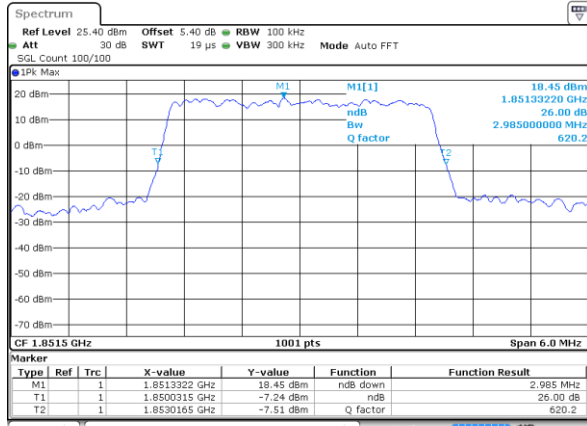


Date: 2 APR 2020 21:55:01



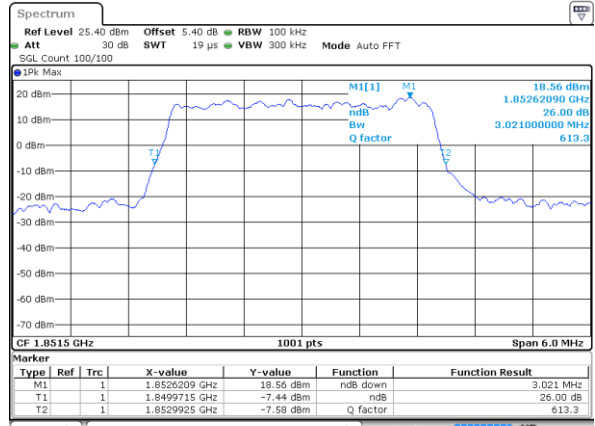
LTE Band 25

Lowest Channel / 3MHz / QPSK



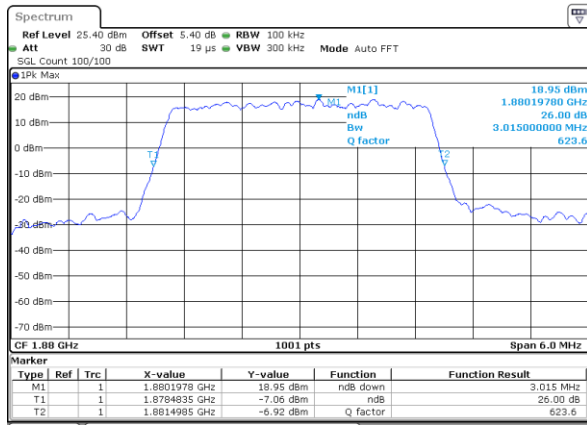
Date: 2 APR 2020 22:38:06

Lowest Channel / 3MHz / 16QAM



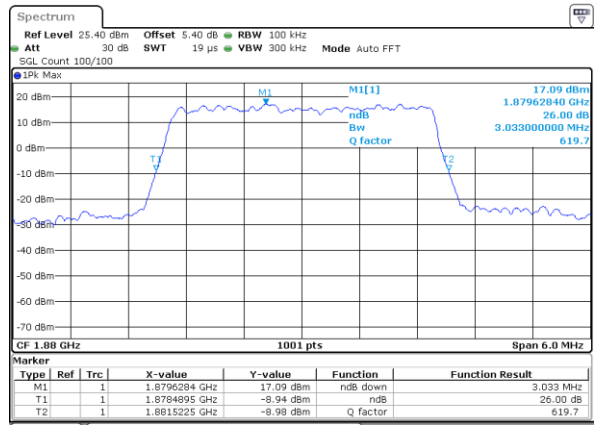
Date: 2 APR 2020 22:38:26

Middle Channel / 3MHz / QPSK



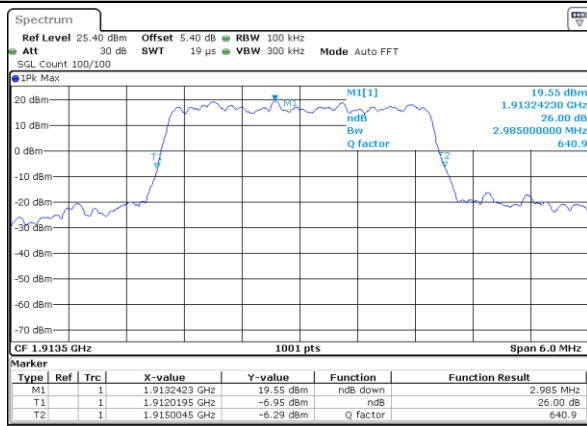
Date: 2 APR 2020 22:39:06

Middle Channel / 3MHz / 16QAM



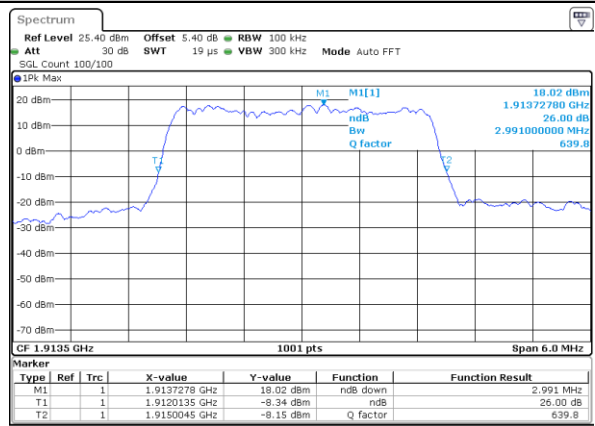
Date: 2 APR 2020 22:39:26

Highest Channel / 3MHz / QPSK



Date: 2 APR 2020 22:40:06

Highest Channel / 3MHz / 16QAM

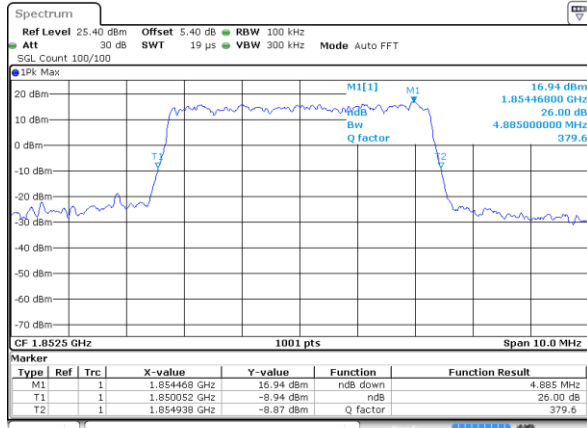


Date: 2 APR 2020 22:40:26



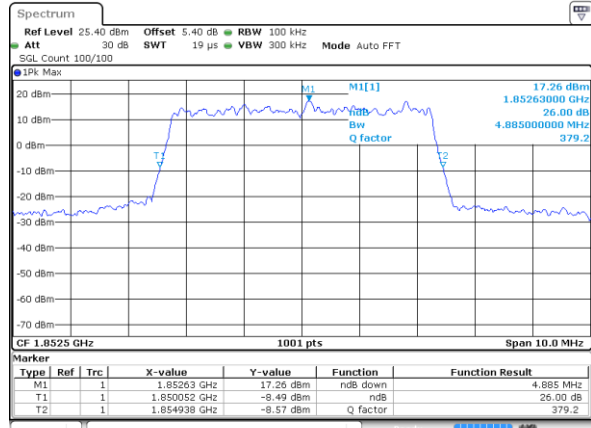
LTE Band 25

Lowest Channel / 5MHz / QPSK



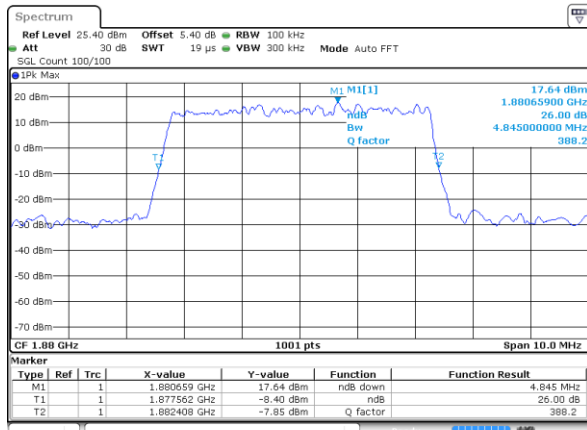
Date: 2 APR 2020 23:02:48

Lowest Channel / 5MHz / 16QAM



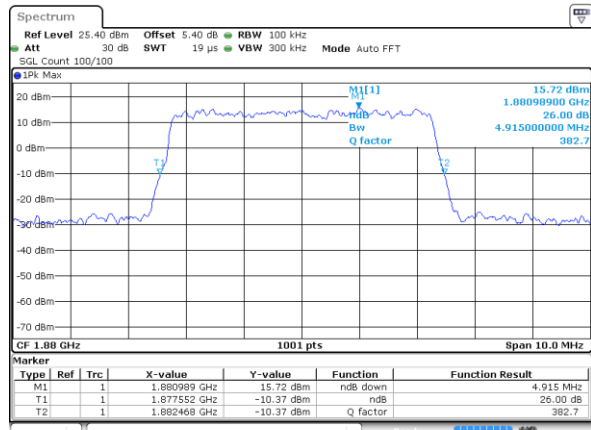
Date: 2 APR 2020 23:03:08

Middle Channel / 5MHz / QPSK



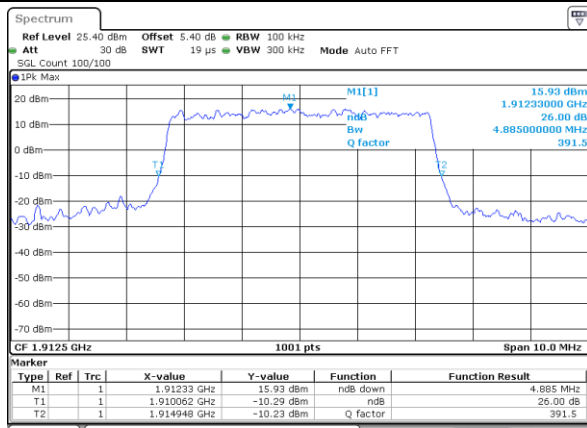
Date: 2 APR 2020 23:16:41

Middle Channel / 5MHz / 16QAM



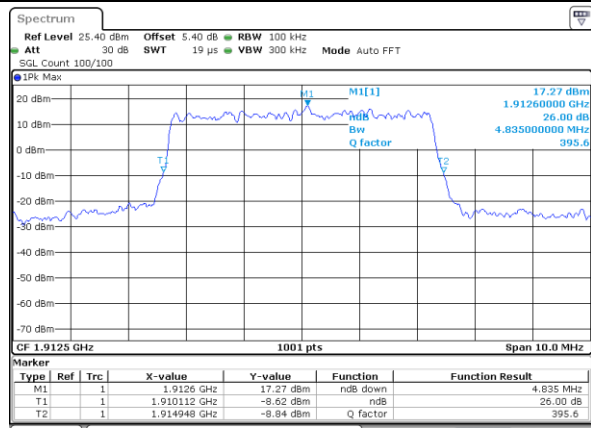
Date: 2 APR 2020 23:16:21

Highest Channel / 5MHz / QPSK



Date: 2 APR 2020 23:17:01

Highest Channel / 5MHz / 16QAM

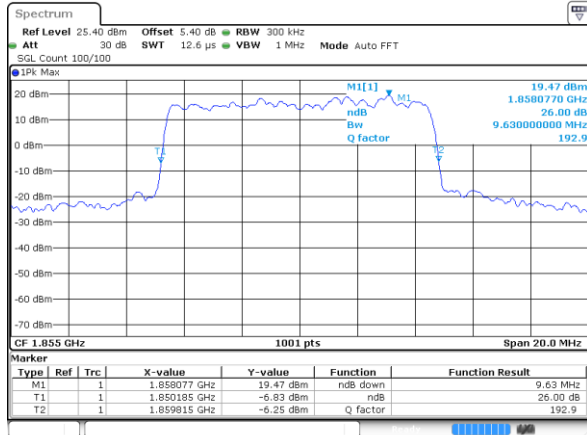


Date: 2 APR 2020 23:17:20



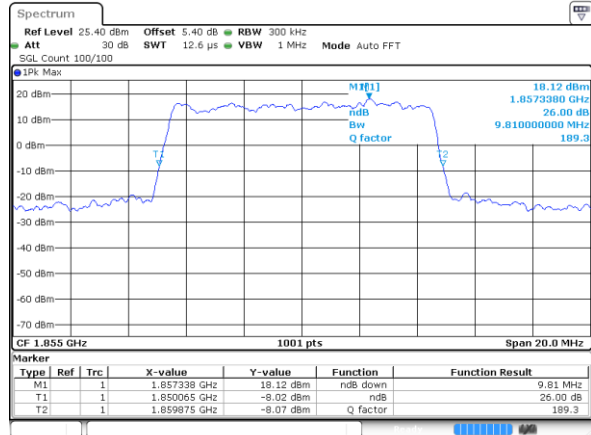
LTE Band 25

Lowest Channel / 10MHz / QPSK



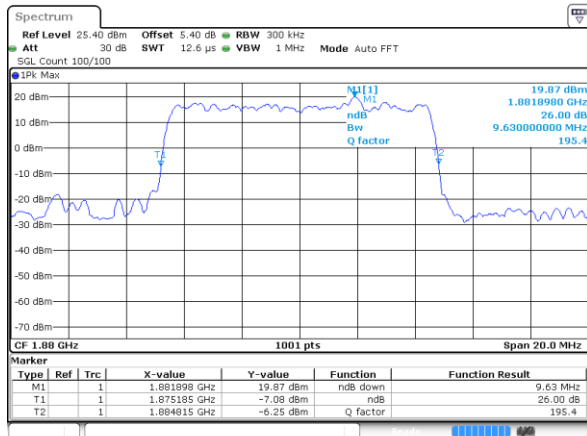
Date: 2 APR 2020 23:27:29

Lowest Channel / 10MHz / 16QAM



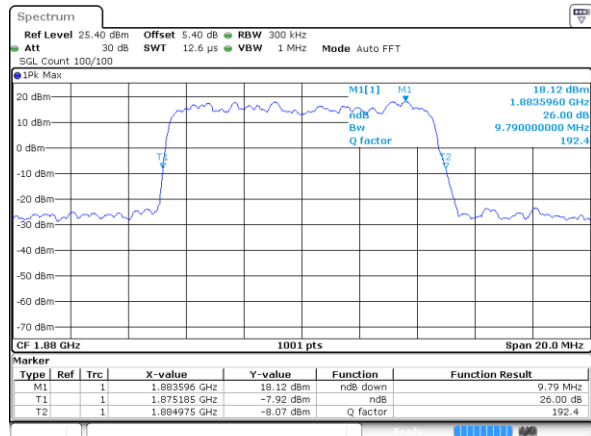
Date: 2 APR 2020 23:27:50

Middle Channel / 10MHz / QPSK



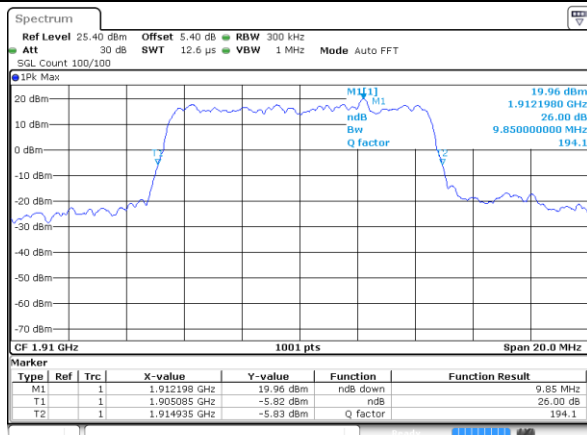
Date: 2 APR 2020 23:41:23

Middle Channel / 10MHz / 16QAM



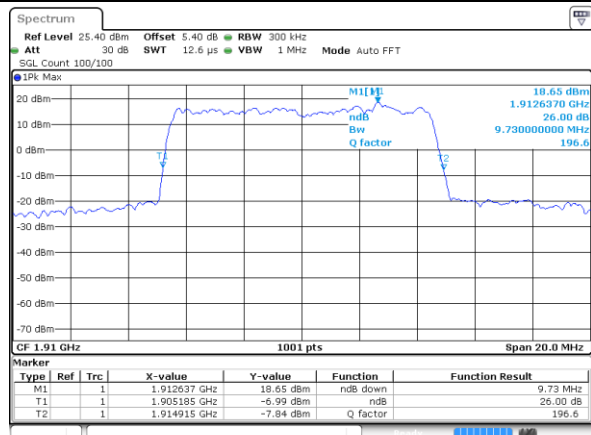
Date: 2 APR 2020 23:41:03

Highest Channel / 10MHz / QPSK



Date: 2 APR 2020 23:41:43

Highest Channel / 10MHz / 16QAM

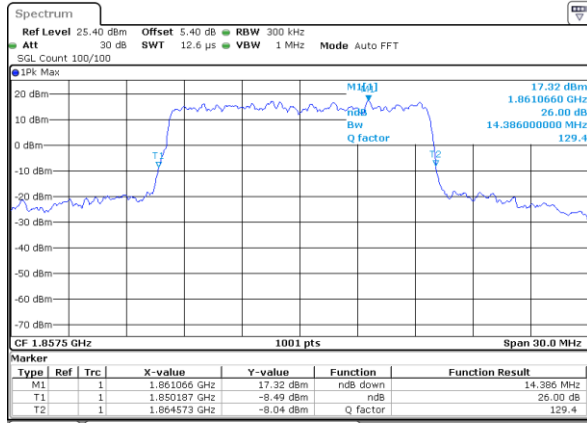


Date: 2 APR 2020 23:42:03

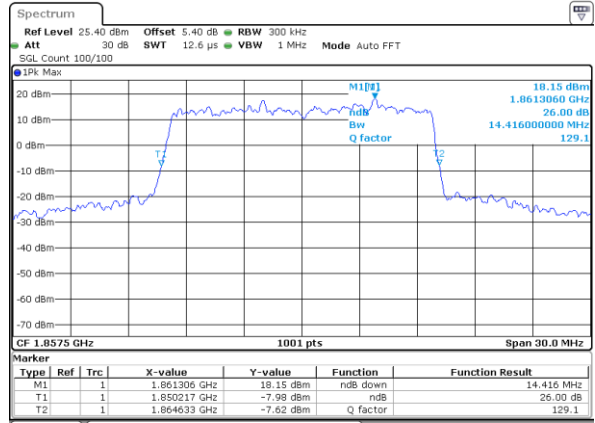


LTE Band 25

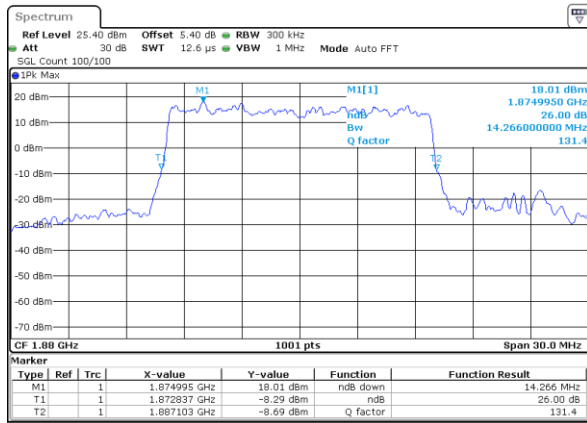
Lowest Channel / 15MHz / QPSK



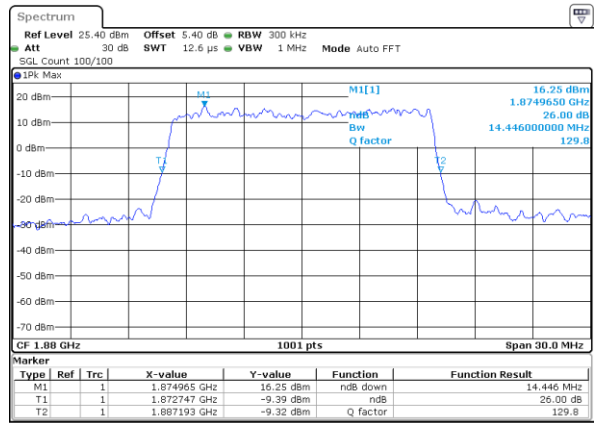
Lowest Channel / 15MHz / 16QAM



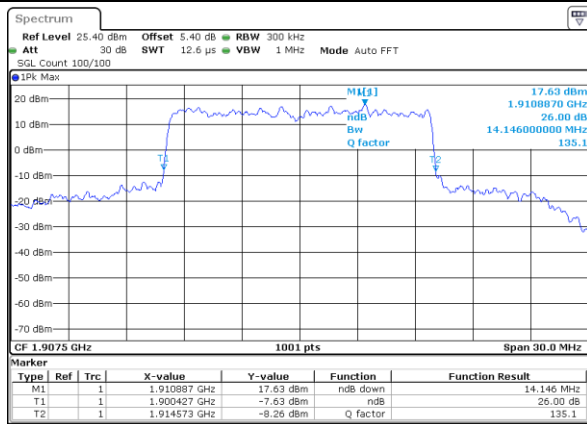
Middle Channel / 15MHz / QPSK



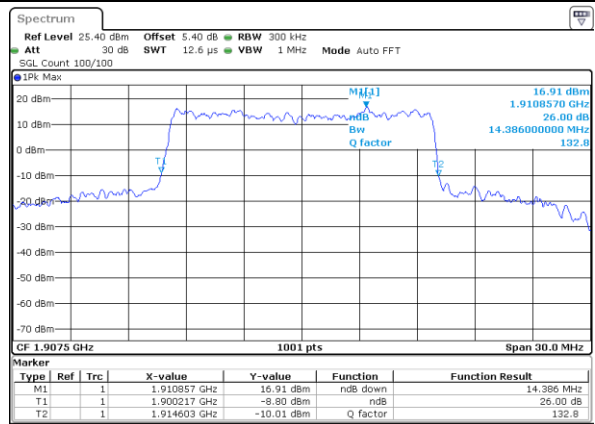
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



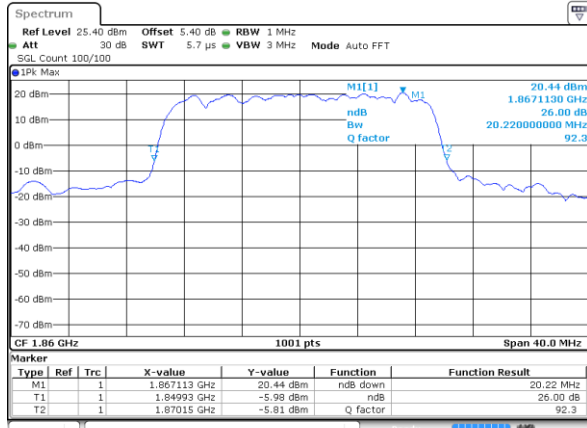
Highest Channel / 15MHz / 16QAM



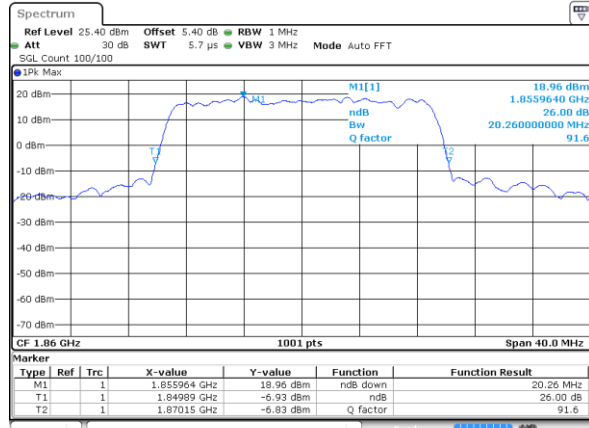


LTE Band 25

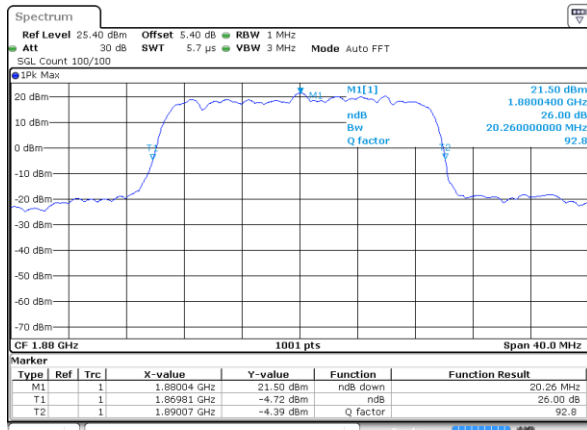
Lowest Channel / 20MHz / QPSK



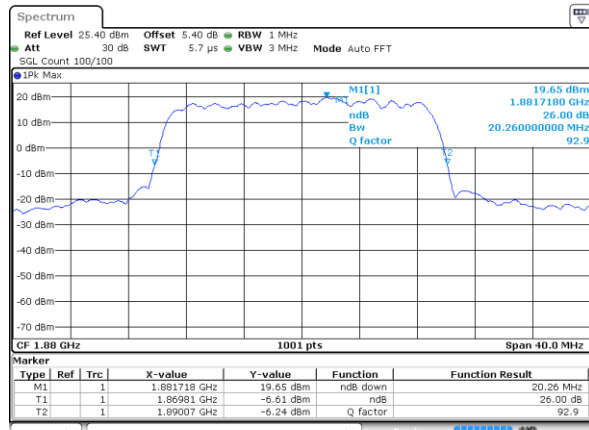
Lowest Channel / 20MHz / 16QAM



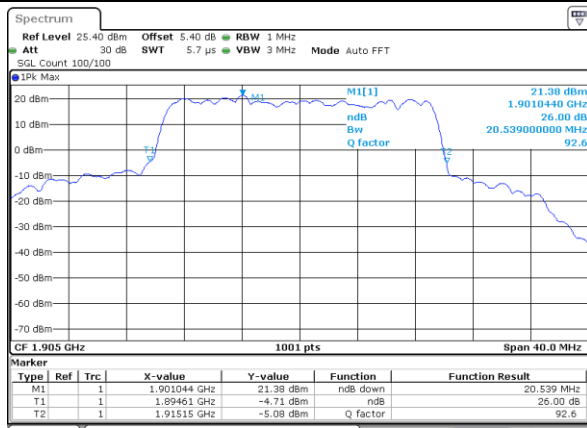
Middle Channel / 20MHz / QPSK



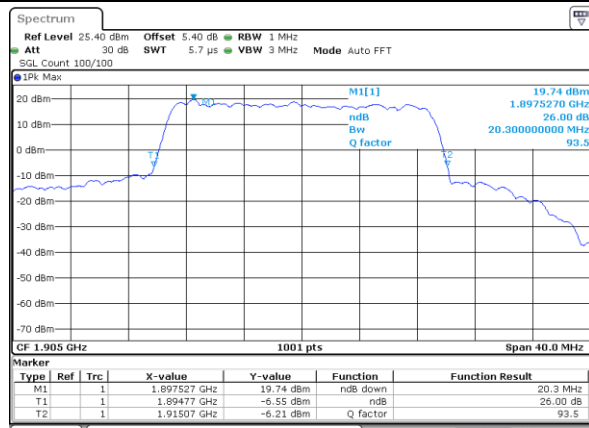
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



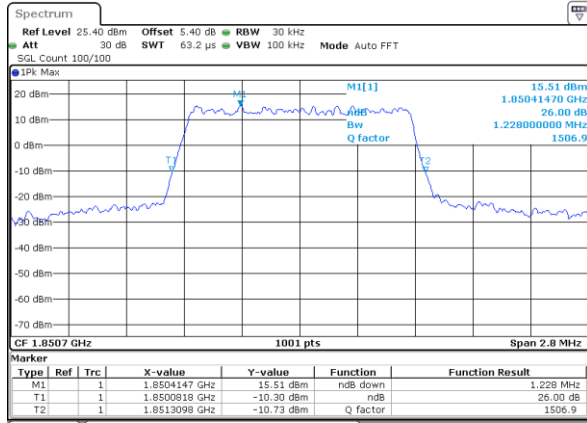
Highest Channel / 20MHz / 16QAM





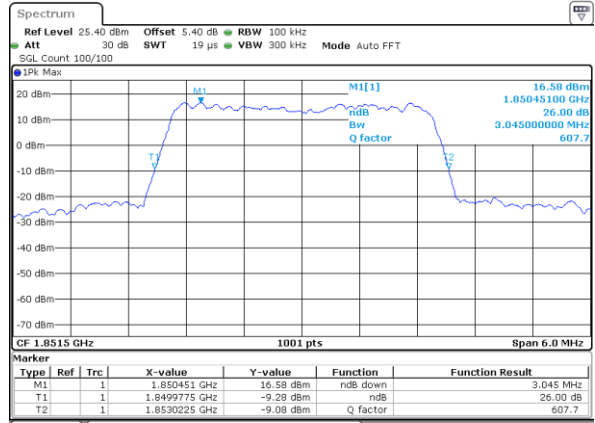
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



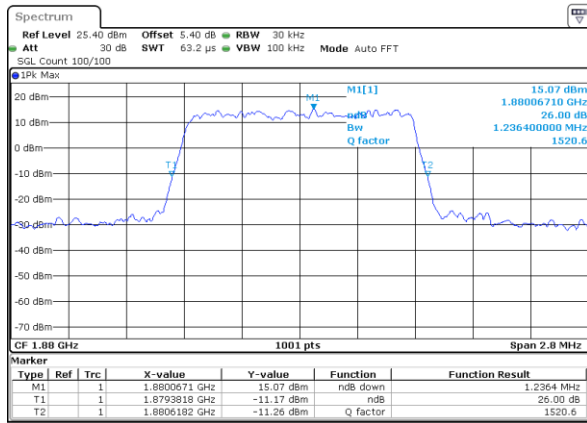
Date: 2 APR 2020 21:53:21

Lowest Channel / 3MHz / 64QAM



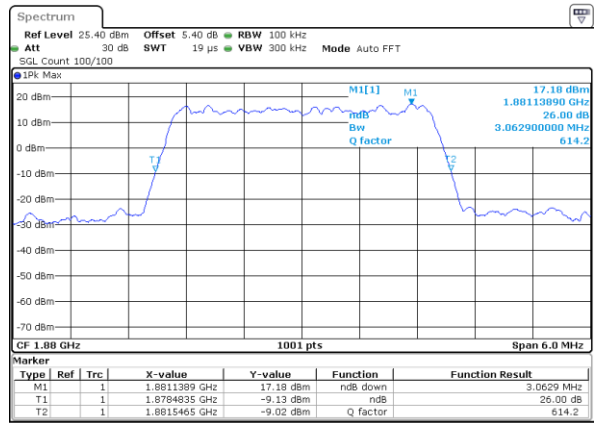
Date: 2 APR 2020 22:38:46

Middle Channel / 1.4MHz / 64QAM



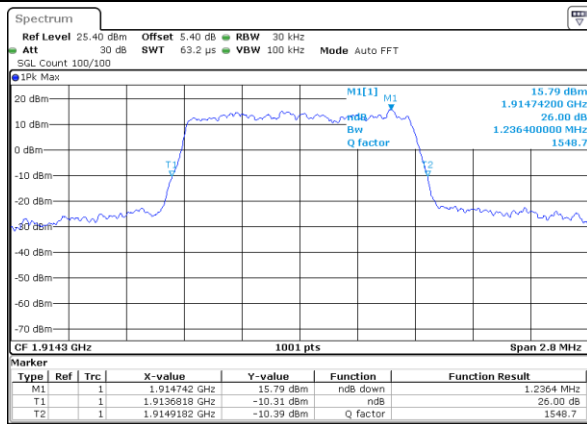
Date: 2 APR 2020 21:54:21

Middle Channel / 3MHz / 64QAM



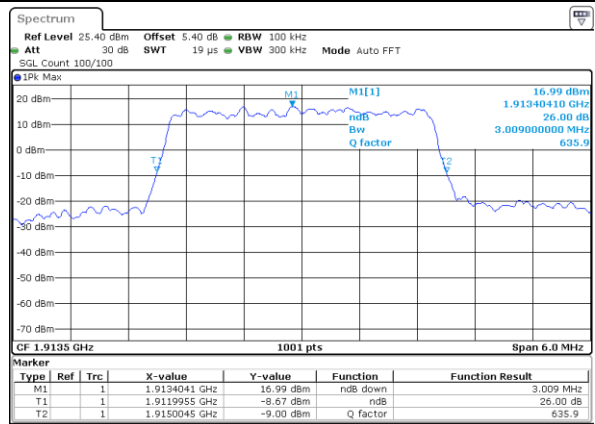
Date: 2 APR 2020 22:39:46

Highest Channel / 1.4MHz / 64QAM



Date: 2 APR 2020 21:55:21

Highest Channel / 3MHz / 64QAM

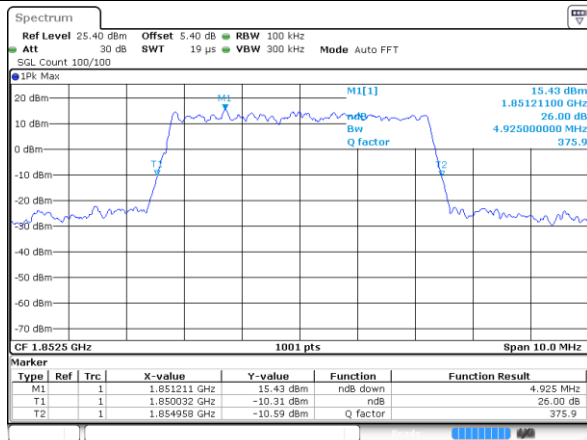


Date: 2 APR 2020 22:40:46



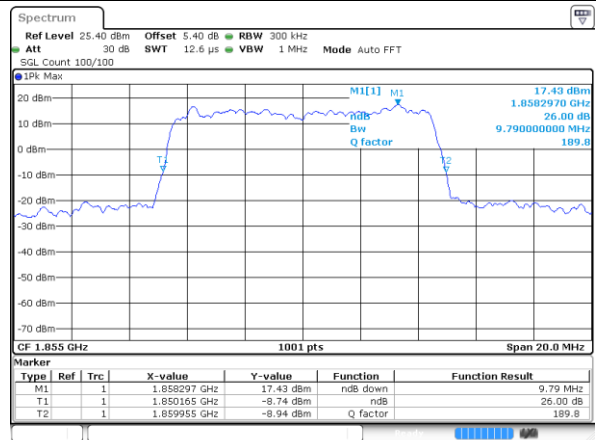
LTE Band 25

Lowest Channel / 5MHz / 64QAM



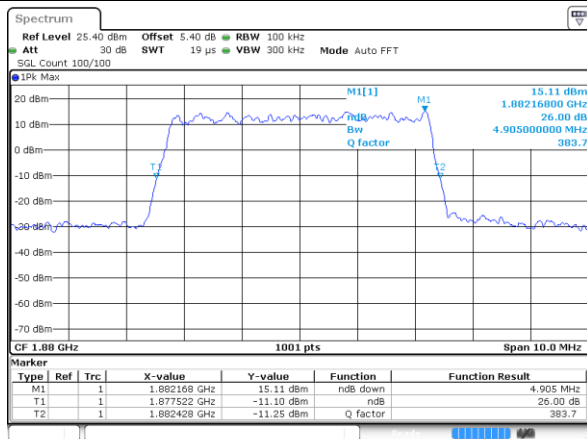
Date: 2 APR 2020 23:03:28

Lowest Channel / 10MHz / 64QAM



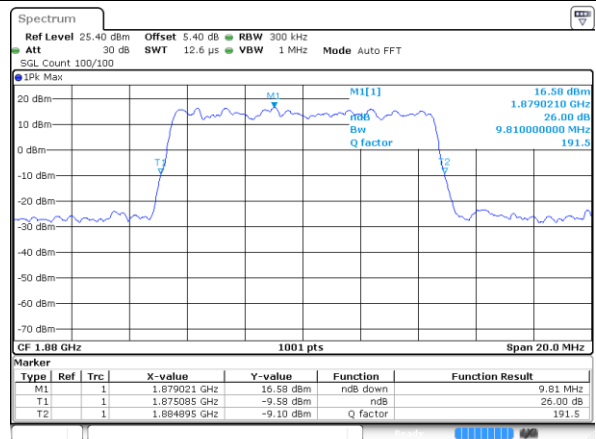
Date: 2 APR 2020 23:28:10

Middle Channel / 5MHz / 64QAM



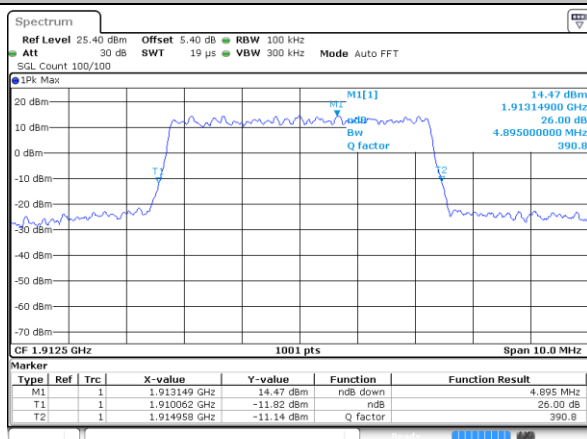
Date: 2 APR 2020 23:16:00

Middle Channel / 10MHz / 64QAM



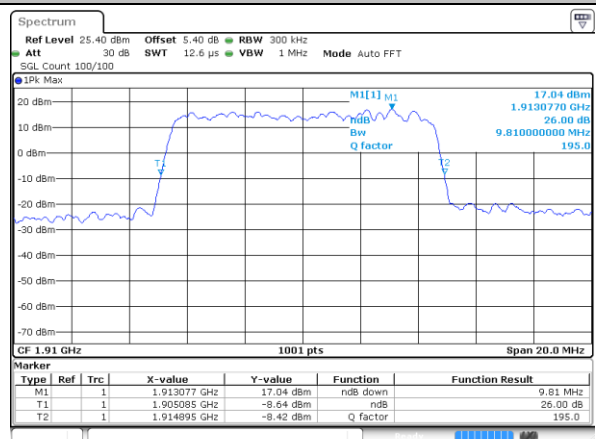
Date: 2 APR 2020 23:40:43

Highest Channel / 5MHz / 64QAM



Date: 2 APR 2020 23:17:41

Highest Channel / 10MHz / 64QAM

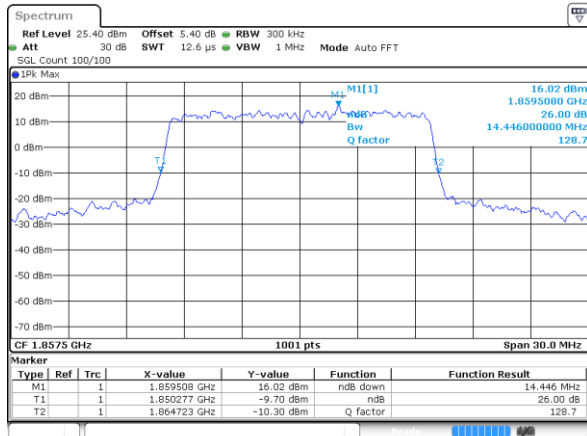


Date: 2 APR 2020 23:42:23

LTE Band 25

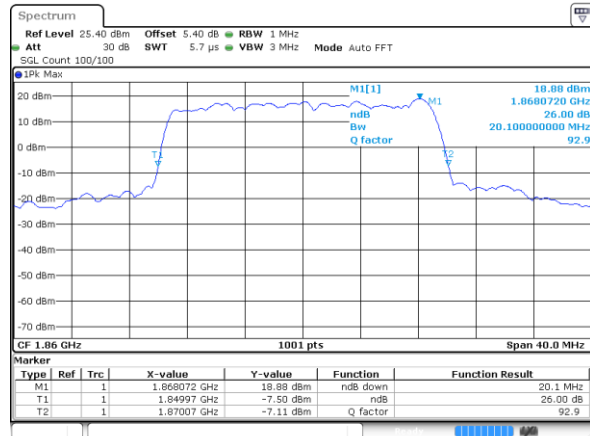


Lowest Channel / 15MHz / 64QAM



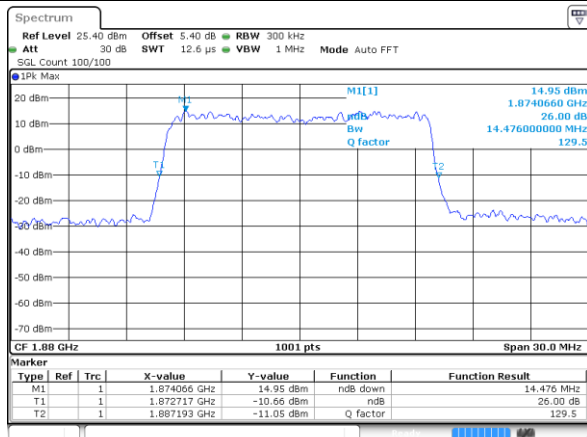
Date: 2 APR 2020 23:52:52

Lowest Channel / 20MHz / 64QAM



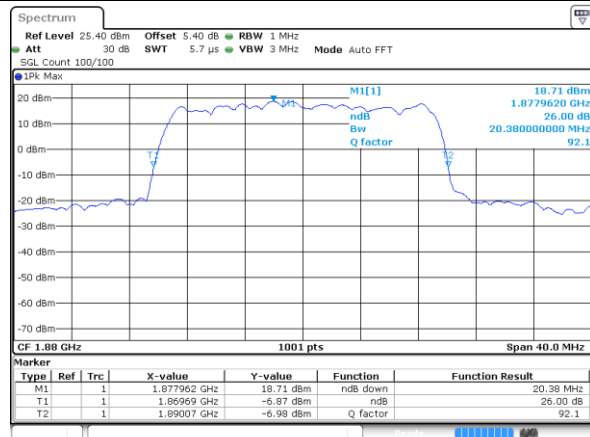
Date: 3 APR 2020 00:18:10

Middle Channel / 15MHz / 64QAM



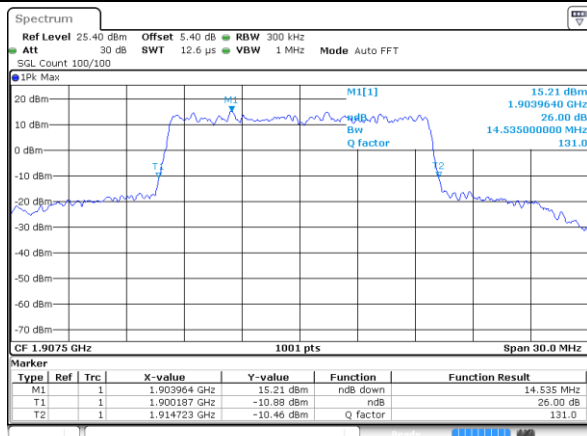
Date: 3 APR 2020 00:05:24

Middle Channel / 20MHz / 64QAM



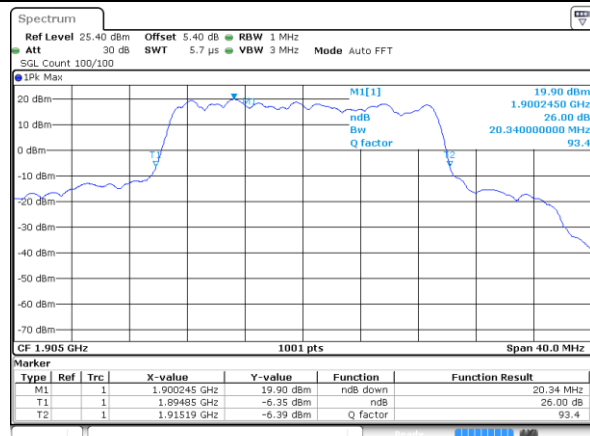
Date: 3 APR 2020 00:43:36

Highest Channel / 15MHz / 64QAM



Date: 3 APR 2020 00:07:05

Highest Channel / 20MHz / 64QAM

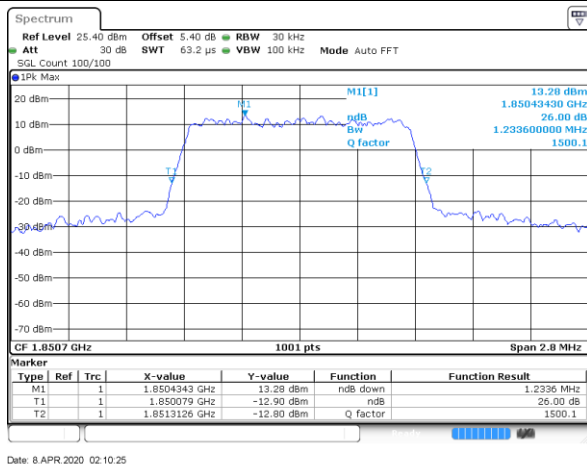


Date: 3 APR 2020 00:45:17

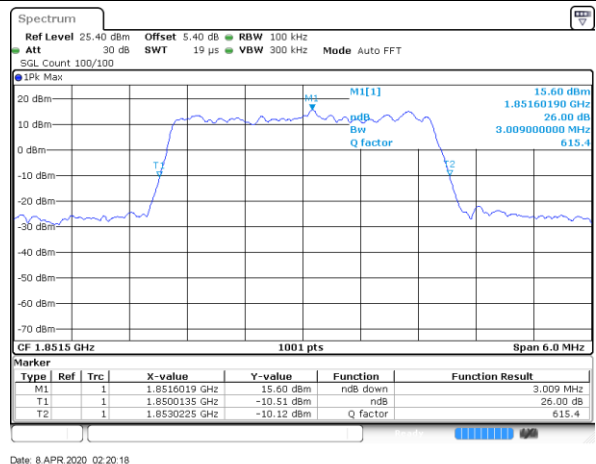
LTE Band 25

Lowest Channel / 1.4MHz / 256QAM

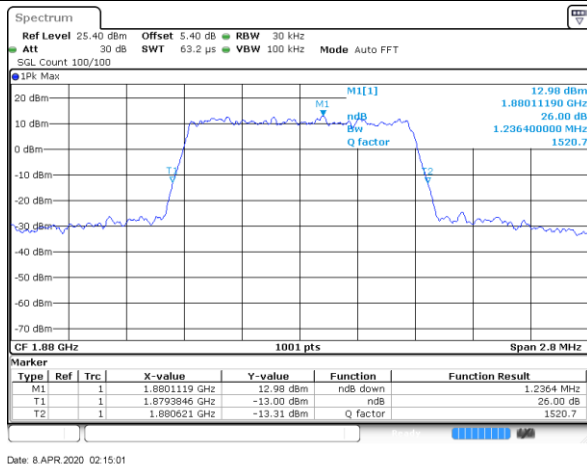
Lowest Channel / 3MHz / 256QAM



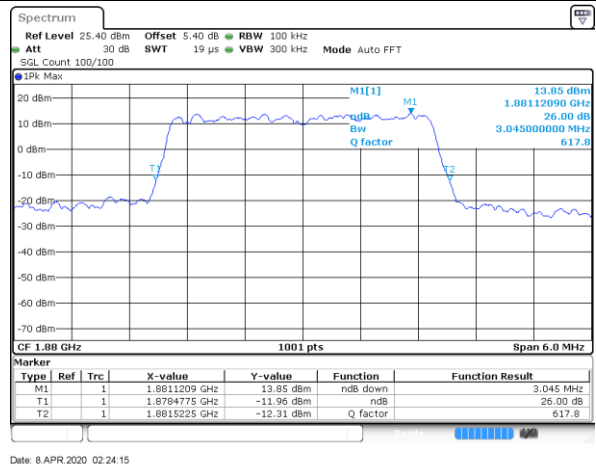
Middle Channel / 1.4MHz / 256QAM



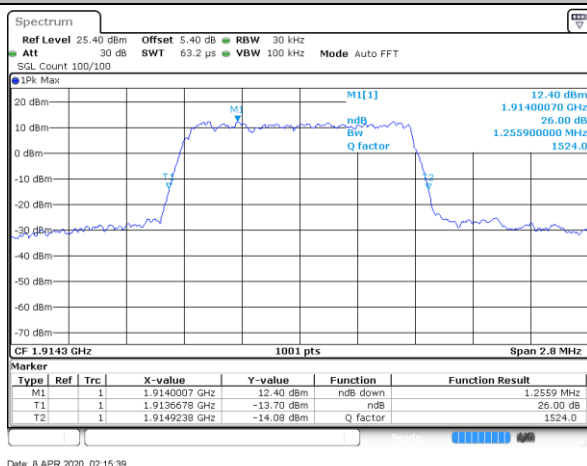
Middle Channel / 3MHz / 256QAM



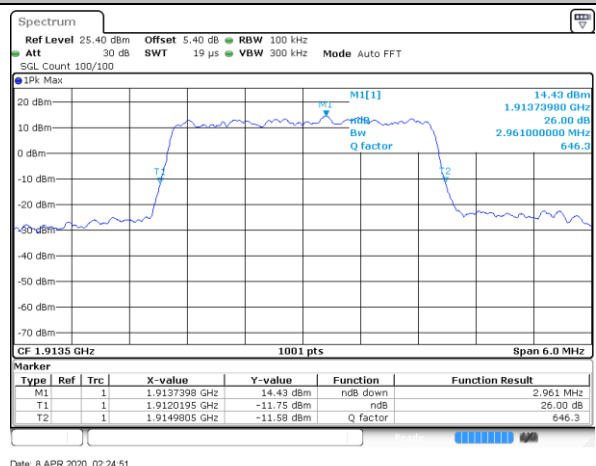
Highest Channel / 1.4MHz / 256QAM



Highest Channel / 3MHz / 256QAM



Lowest Channel / 5MHz / 256QAM



Lowest Channel / 10MHz / 256QAM

LTE Band 25