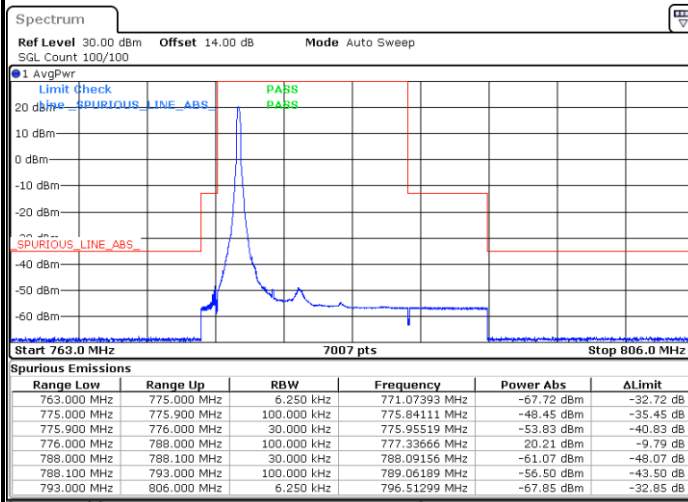


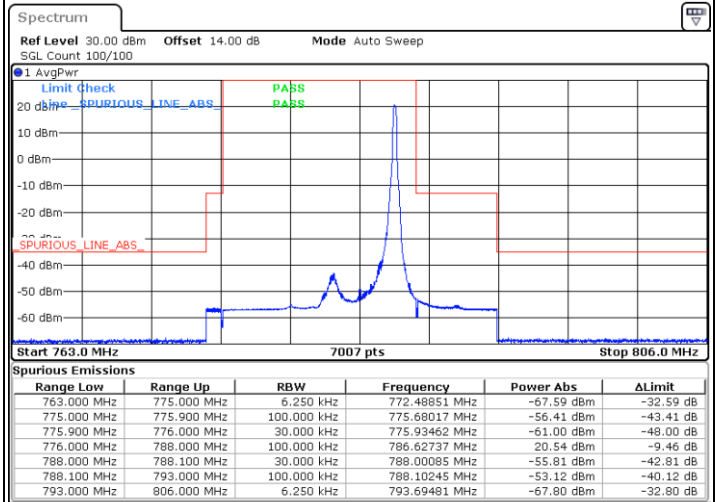


LTE Band 13 / 5MHz / 16QAM

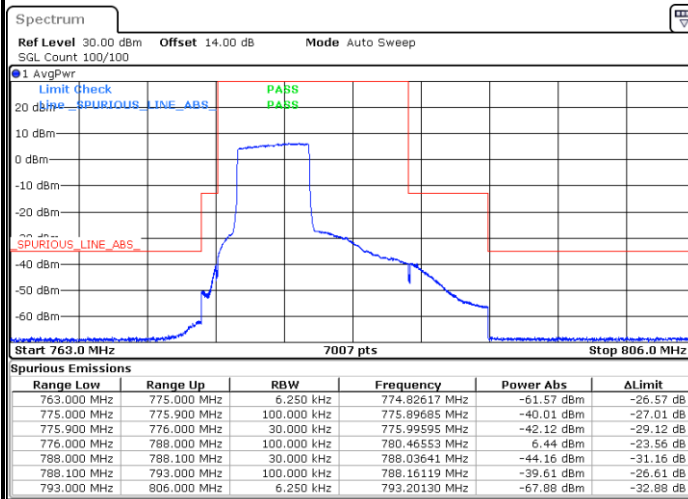
Lowest Band Edge / 1 RB



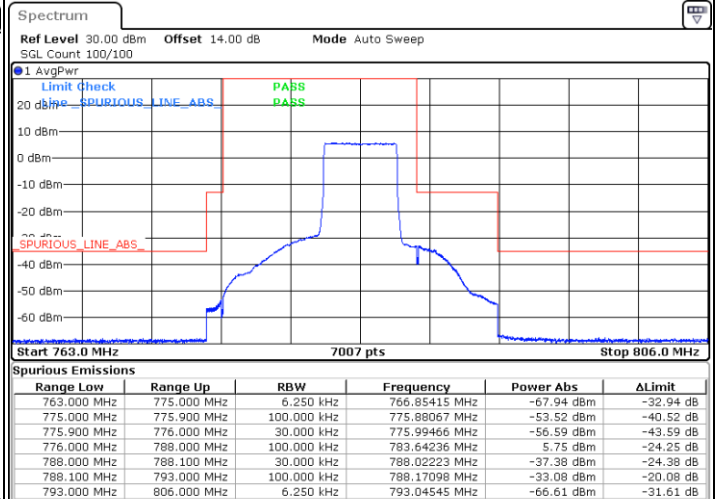
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



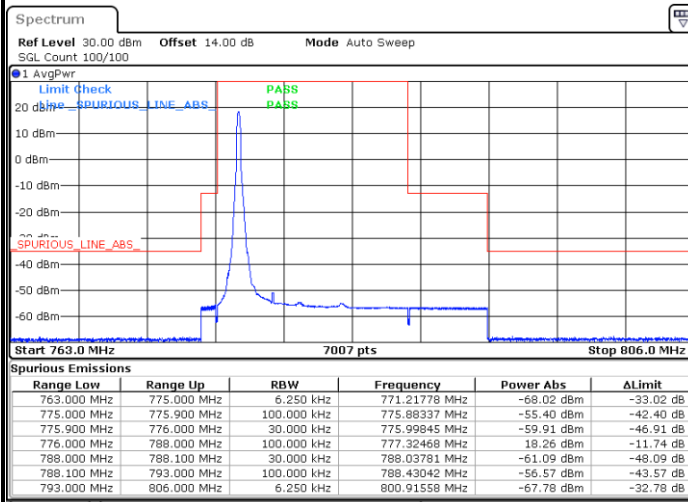
Highest Band Edge / Full RB





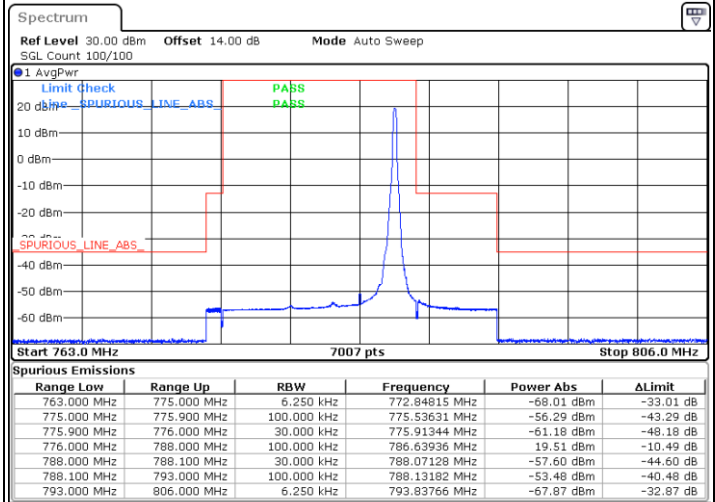
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



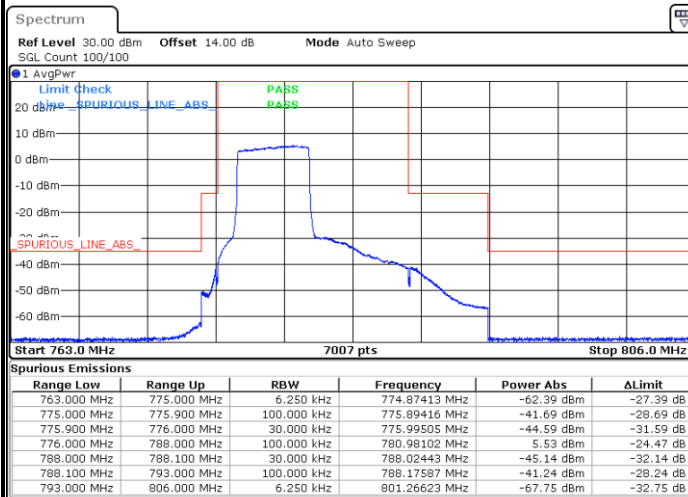
Date: 30.NOV.2020 17:42:19

Highest Band Edge / 1 RB



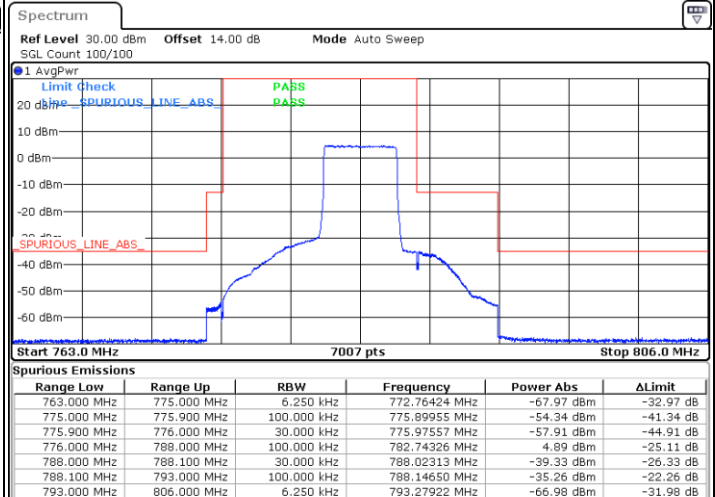
Date: 30.NOV.2020 18:10:52

Lowest Band Edge / Full RB



Date: 30.NOV.2020 17:40:18

Highest Band Edge / Full RB

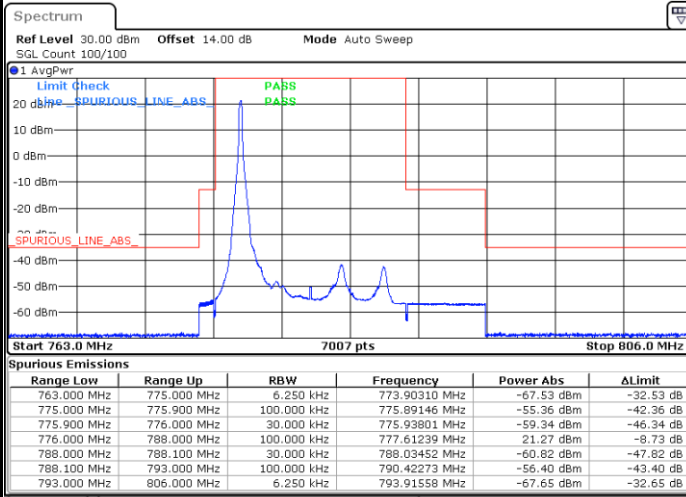


Date: 30.NOV.2020 17:59:03



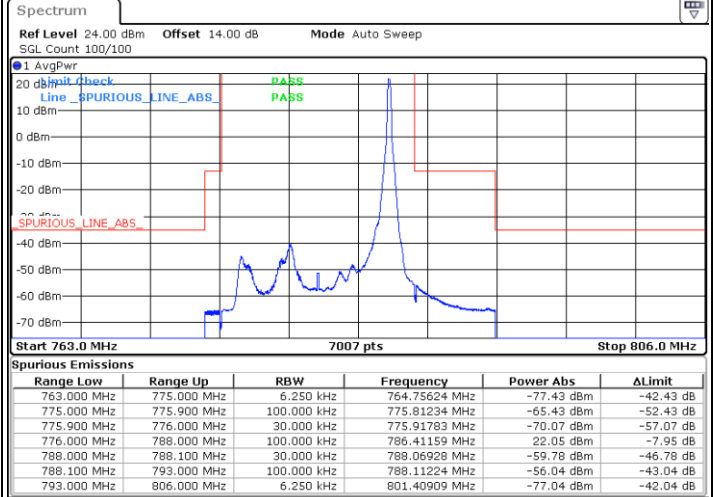
LTE Band 13 / 10MHz / QPSK

Band Edge / 1 RB



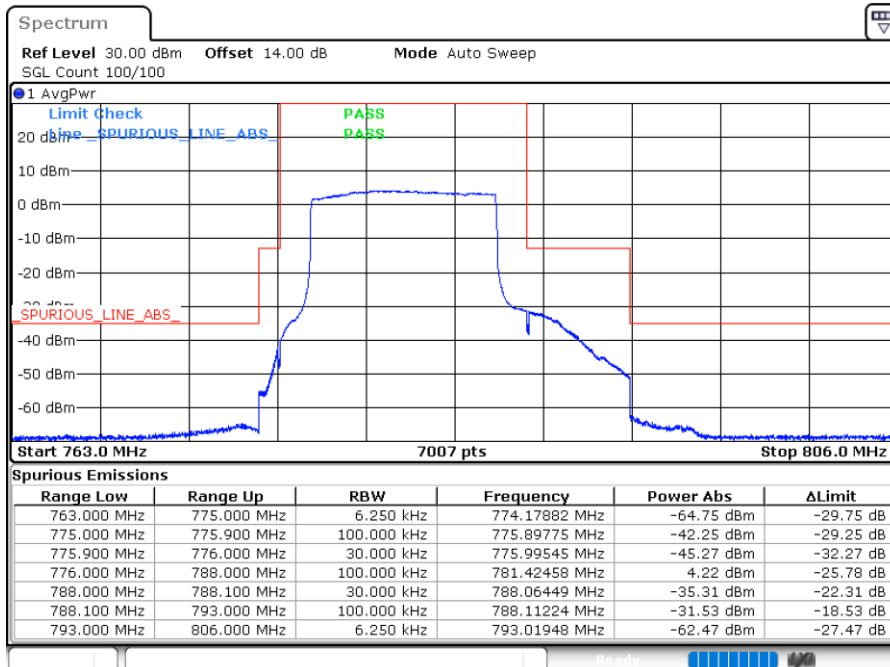
Date: 30.NOV.2020 18:46:20

Band Edge / 1 RB



Date: 1.DEC.2020 15:45:33

Band Edge / Full RB

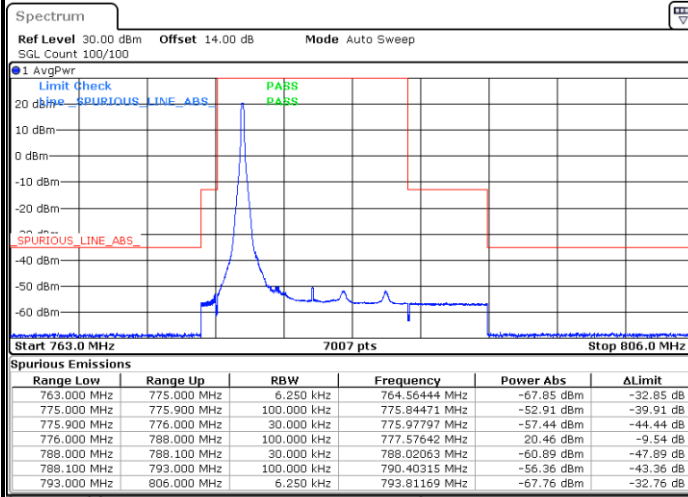


Date: 30.NOV.2020 18:13:54



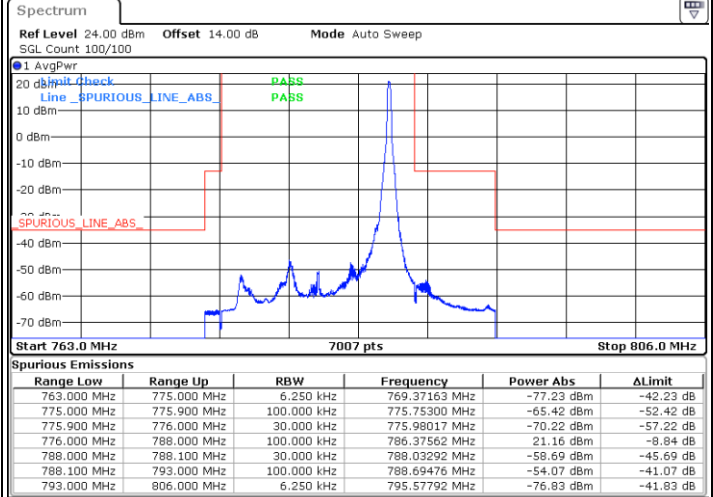
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



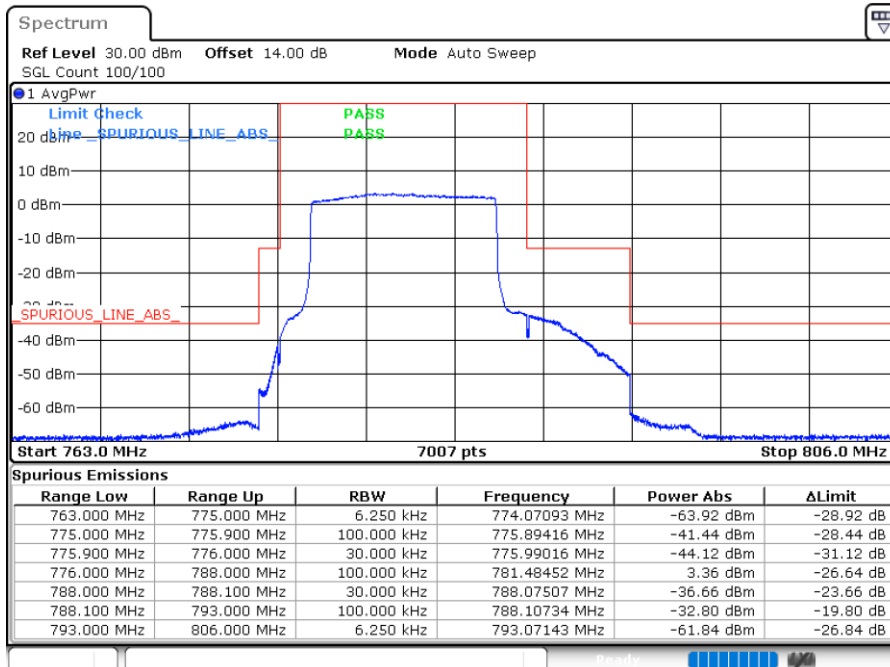
Date: 30.NOV.2020 18:38:55

Highest Band Edge / 1 RB



Date: 1.DEC.2020 15:47:10

Band Edge / Full RB

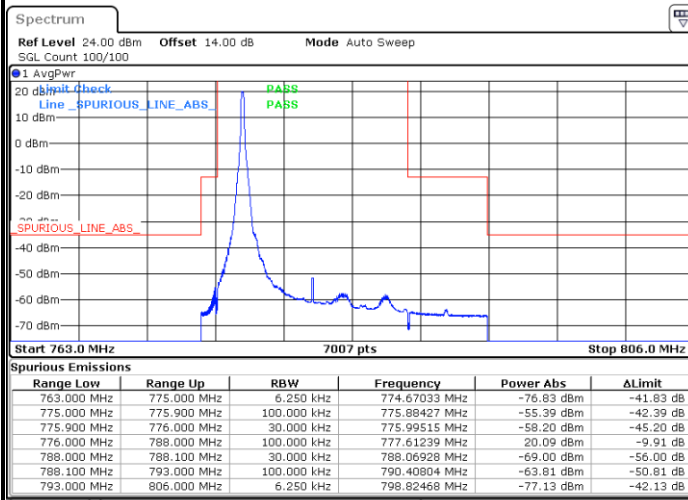


Date: 30.NOV.2020 18:16:07



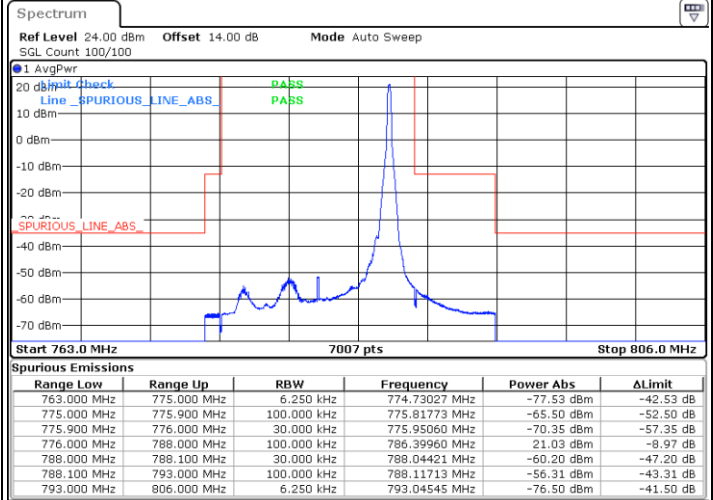
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



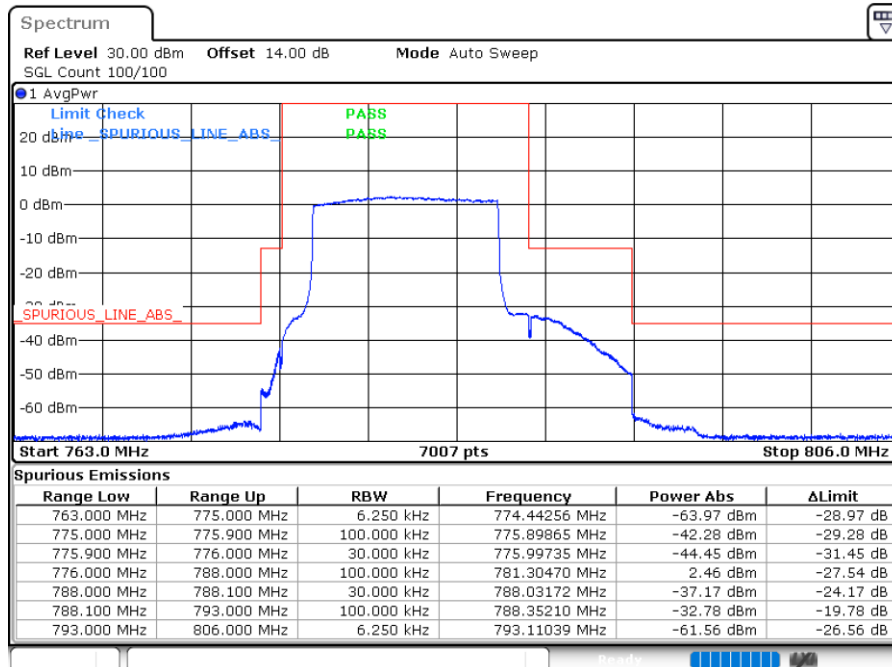
Date: 1.DEC.2020 16:08:11

Highest Band Edge / 1 RB



Date: 1.DEC.2020 15:51:04

Band Edge / Full RB



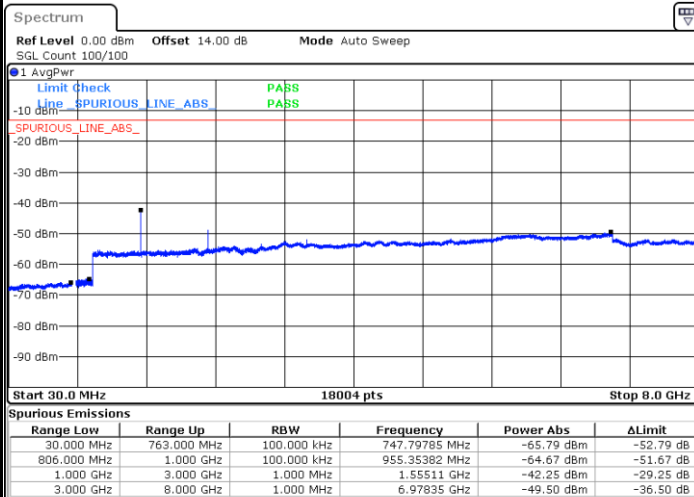
Date: 30.NOV.2020 18:19:11



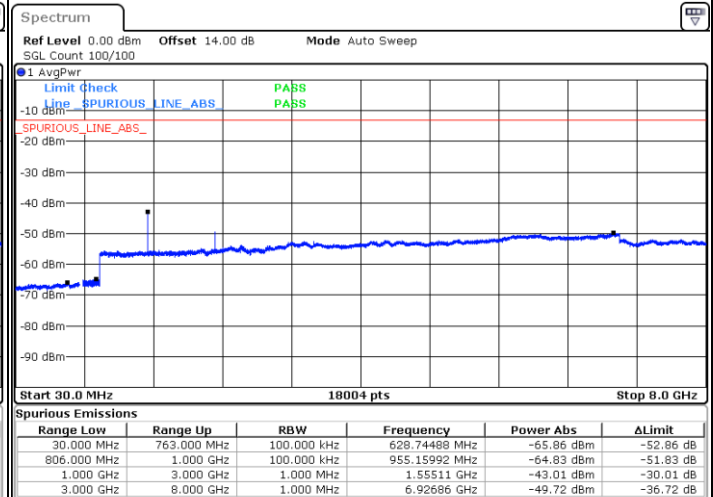
Conducted Spurious Emission

LTE Band 13 / 5MHz

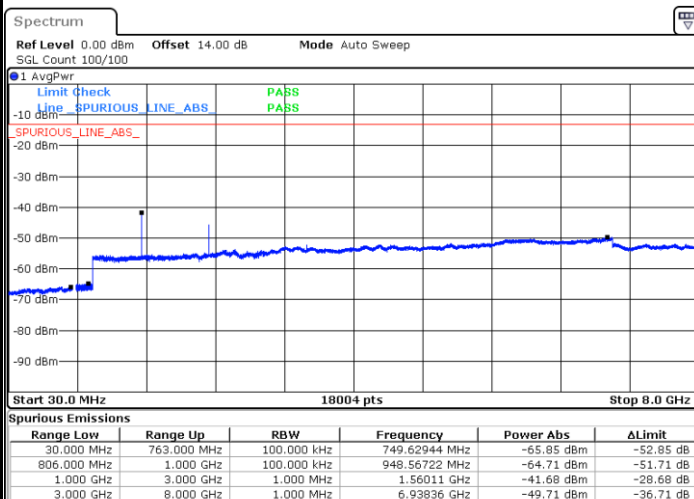
Lowest Channel / QPSK



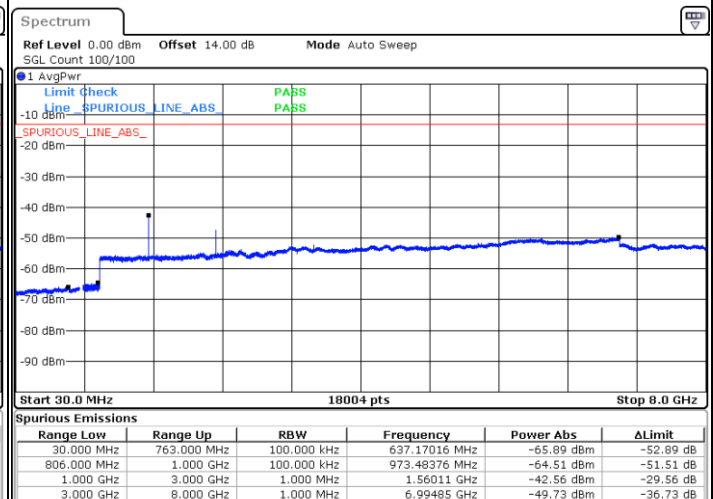
Lowest Channel / 16QAM



Middle Channel / QPSK



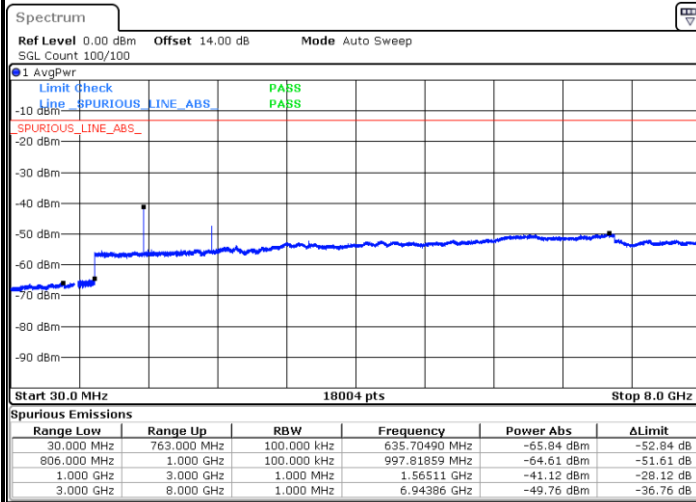
Middle Channel / 16QAM





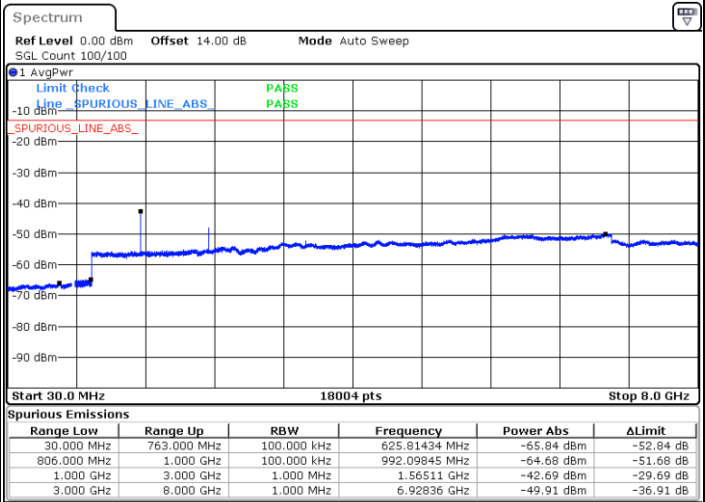
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 30.NOV.2020 18:02:40

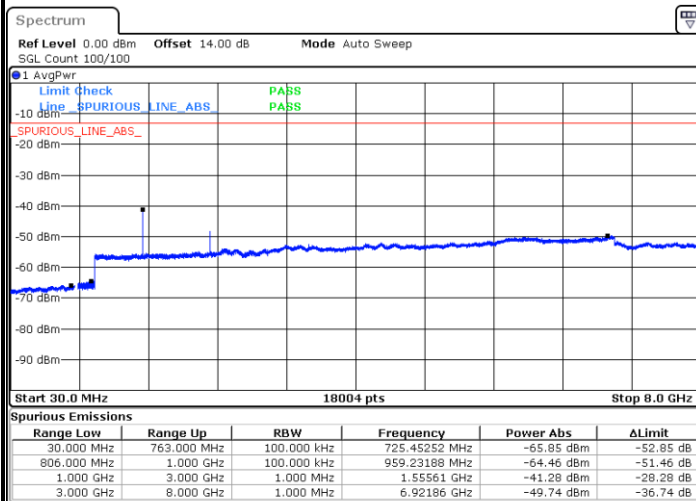
Highest Channel / 16QAM



Date: 30.NOV.2020 18:02:00

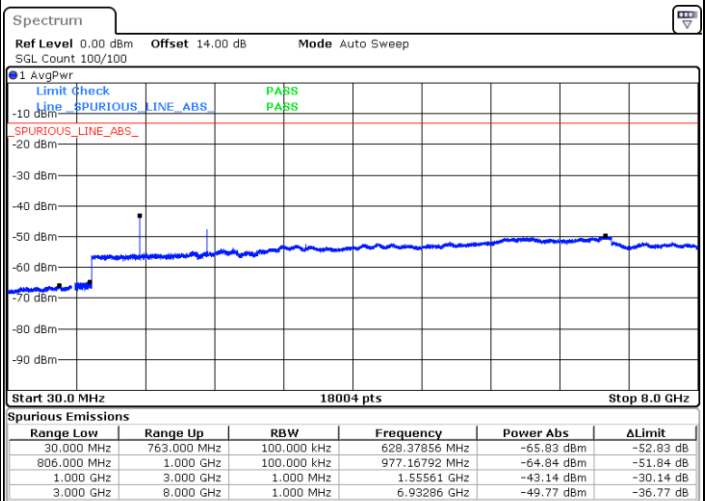
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30.NOV.2020 18:22:51

Middle Channel / 16QAM

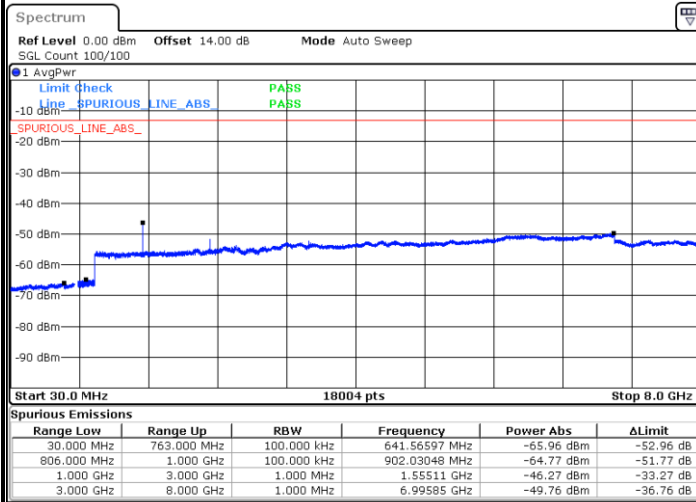


Date: 30.NOV.2020 18:21:22



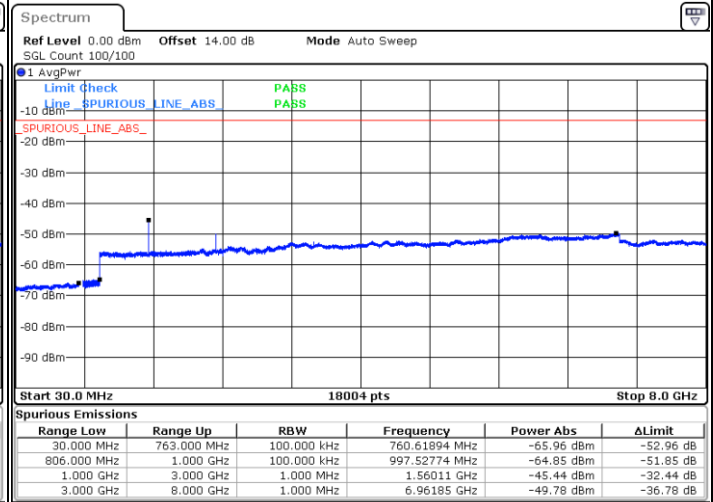
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



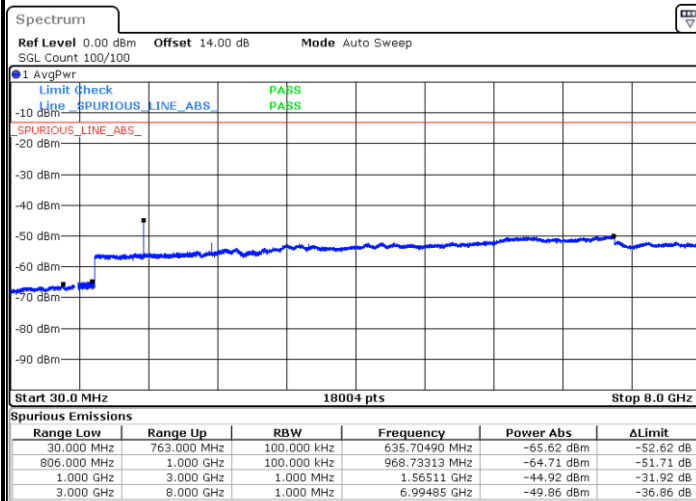
Date: 30.NOV.2020 17:43:06

Middle Channel / 64QAM

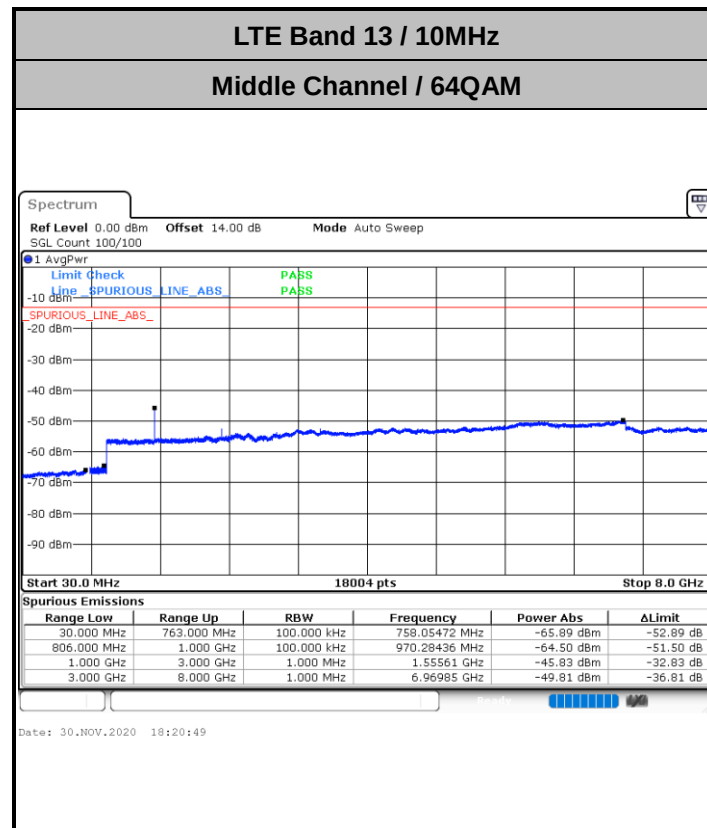


Date: 30.NOV.2020 17:49:33

Highest Channel / 64QAM



Date: 30.NOV.2020 18:01:17



**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	0.0006	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0224	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0235	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

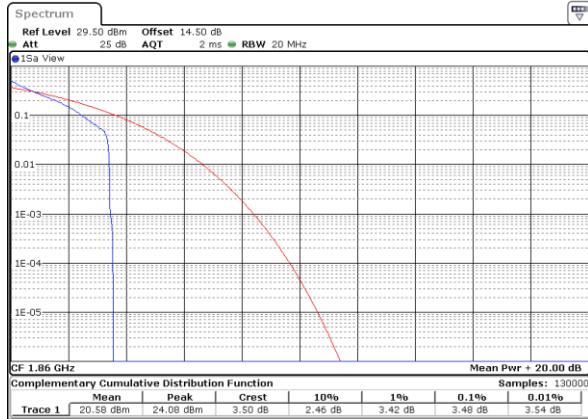
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.84	5.39	5.88	PASS
Middle CH	3.59	5.01	5.39	5.94	
Highest CH	3.54	5.19	5.13	6.00	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.39	5.86	-	-	PASS
Middle CH	5.22	5.88	-	-	
Highest CH	5.36	6.03	-	-	

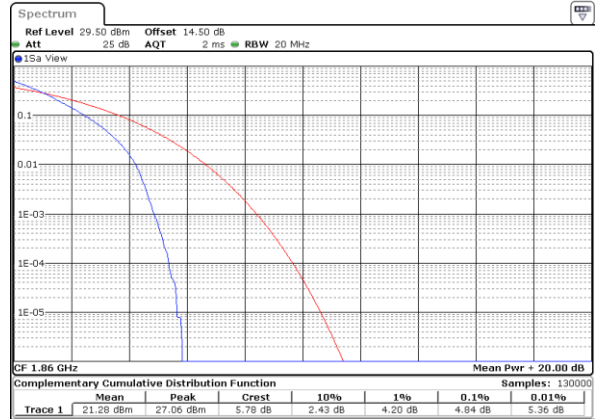


LTE Band 25 / 20MHz / QPSK

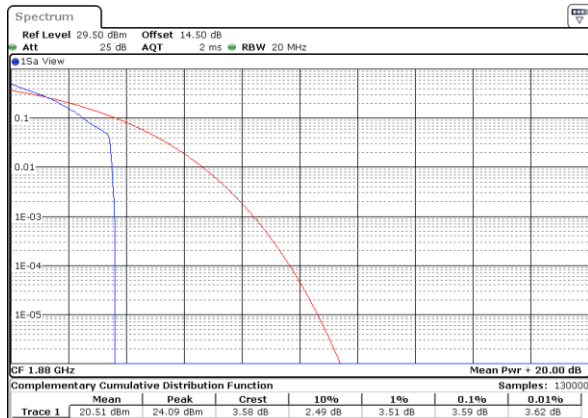
Lowest Channel / 1RB



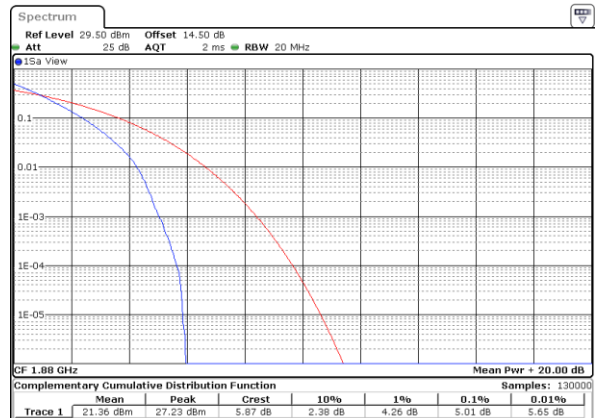
Lowest Channel / Full RB



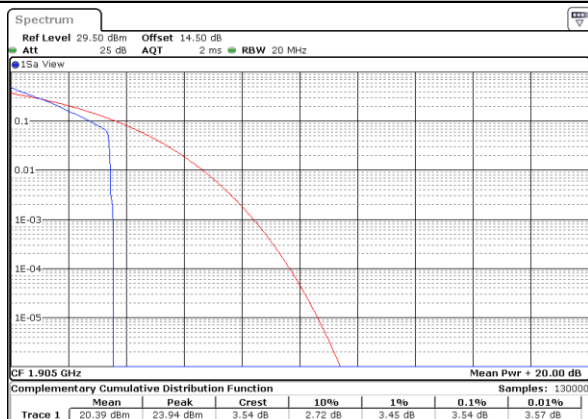
Middle Channel / 1RB



Middle Channel / Full RB

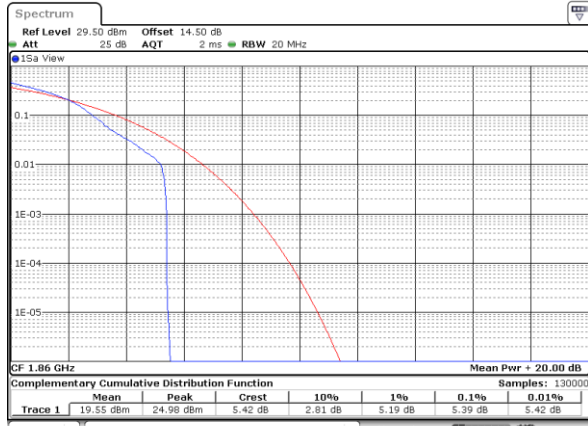


Highest Channel / 1RB

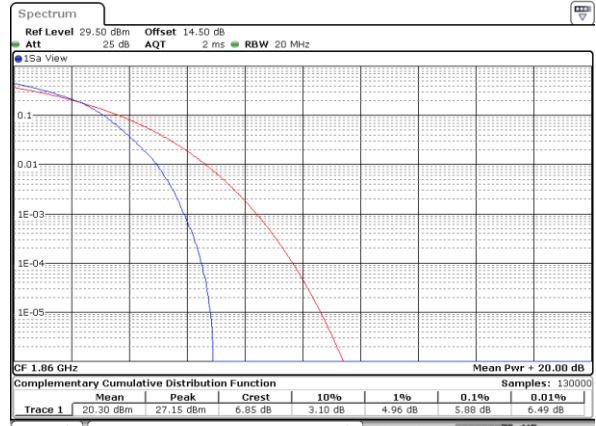


Highest Channel / Full RB

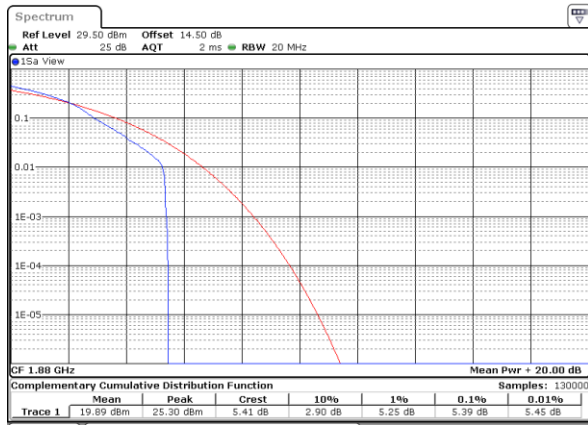


LTE Band 25 / 20MHz / 16QAM
Lowest Channel / 1RB


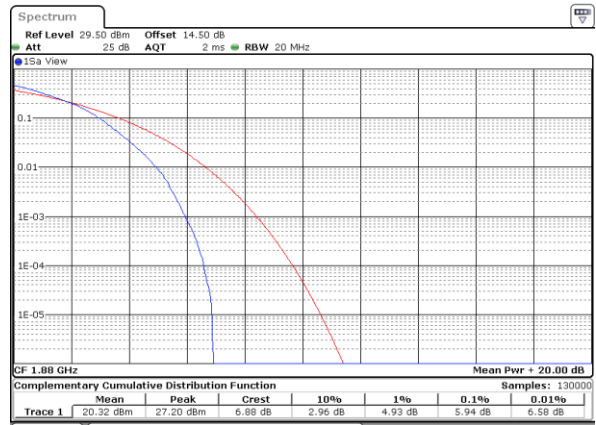
Date: 13.NOV.2020 23:28:10

Lowest Channel / Full RB


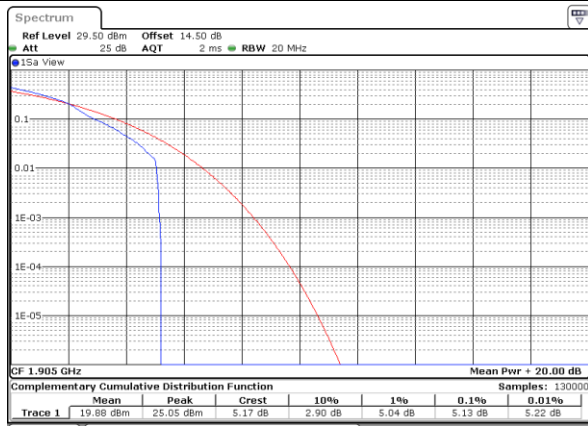
Date: 13.NOV.2020 23:26:19

Middle Channel / 1RB


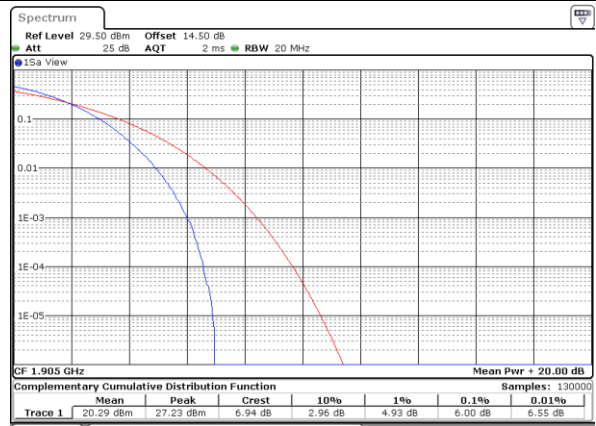
Date: 14.NOV.2020 00:01:50

Middle Channel / Full RB


Date: 14.NOV.2020 00:04:01

Highest Channel / 1RB


Date: 14.NOV.2020 00:10:35

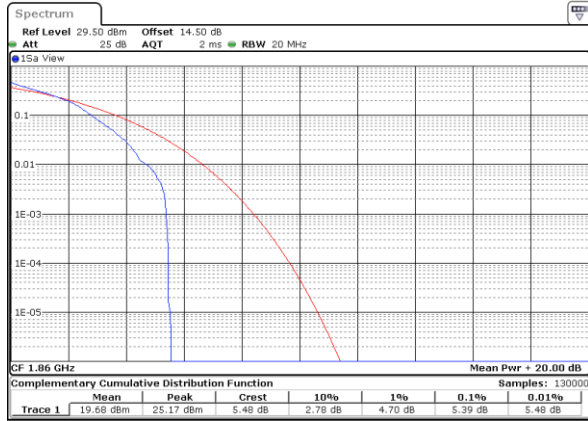
Highest Channel / Full RB


Date: 14.NOV.2020 00:08:19

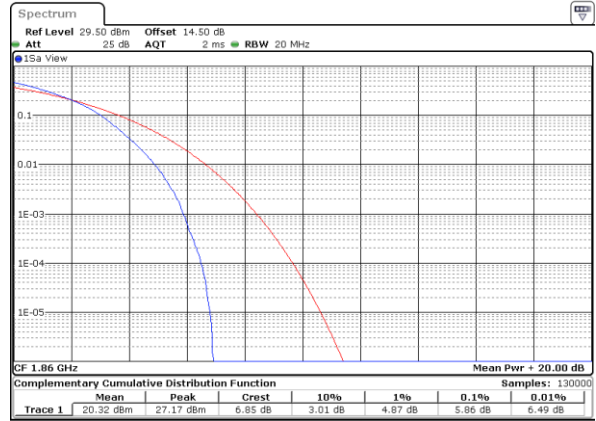


LTE Band 25 / 20MHz / 64QAM

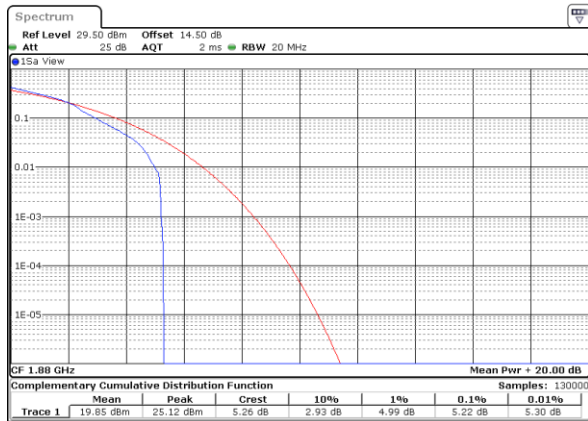
Lowest Channel / 1RB



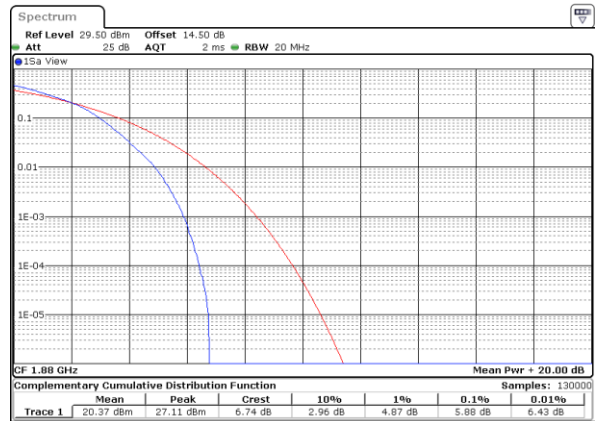
Lowest Channel / Full RB



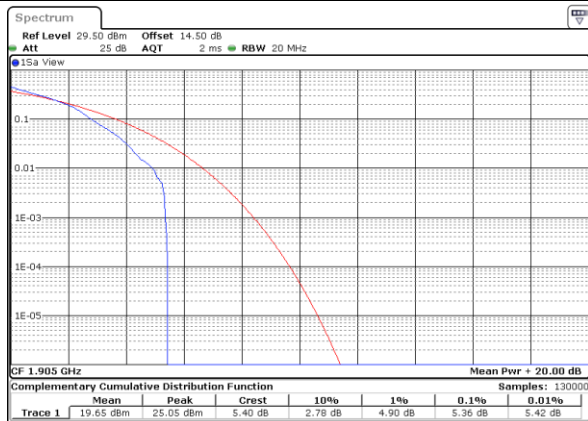
Middle Channel / 1RB



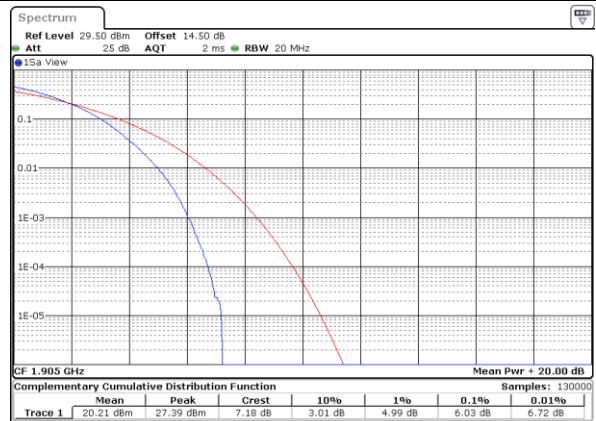
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



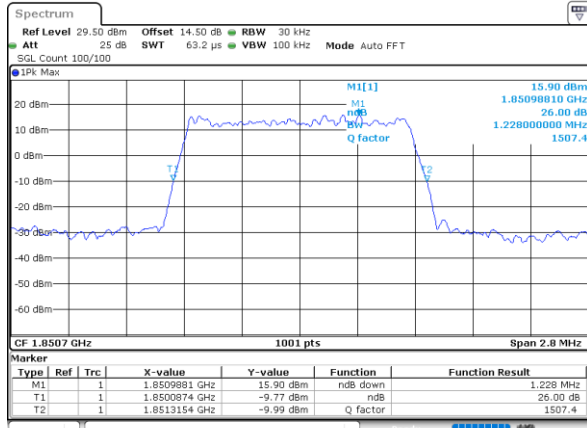
**26dB Bandwidth**

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	1.23	3.00	3.03	4.91	4.82	9.87	9.69	14.36	14.36	18.82	19.26
Middle CH	1.23	1.24	3.02	3.00	4.91	4.95	9.93	9.77	14.21	14.45	19.14	18.66
Highest CH	1.22	1.22	3.03	3.05	4.94	4.84	9.63	9.77	14.24	14.42	18.94	18.98
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.05	-	4.89	-	9.77	-	14.27	-	19.10	-
Middle CH	1.23	-	2.98	-	4.91	-	9.85	-	14.54	-	19.34	-
Highest CH	1.23	-	3.05	-	4.89	-	9.65	-	14.33	-	18.70	-



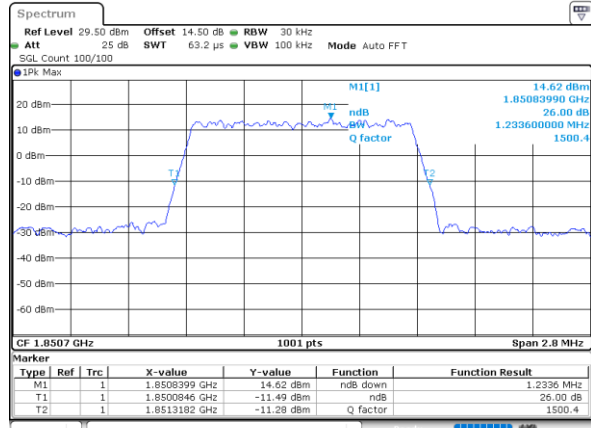
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



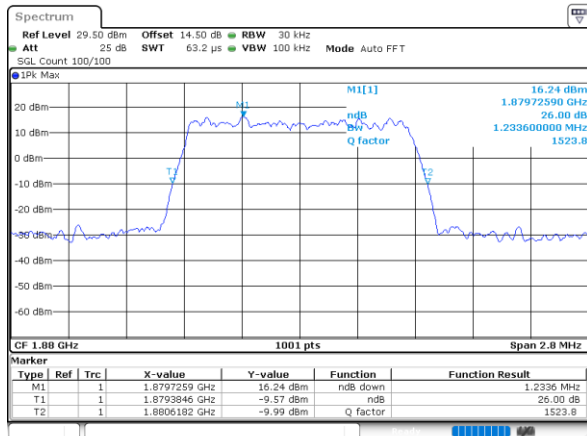
Date: 13,NOV,2020 18:52:23

Lowest Channel / 1.4MHz / 16QAM



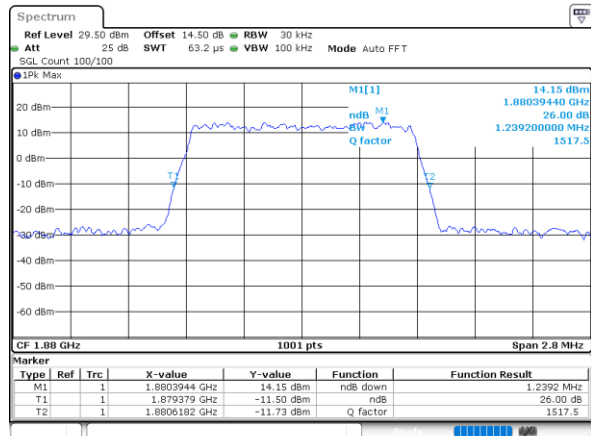
Date: 13,NOV,2020 19:03:37

Middle Channel / 1.4MHz / QPSK



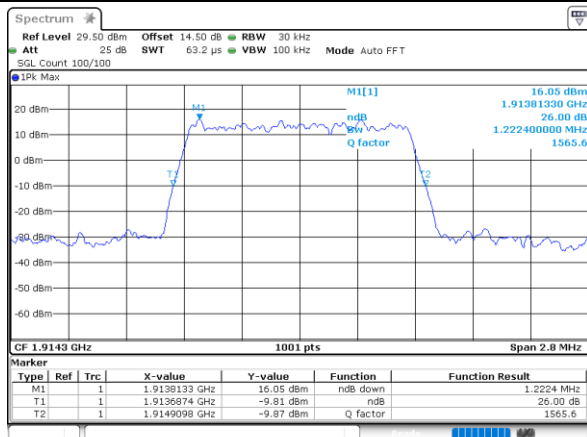
Date: 13,NOV,2020 18:58:45

Middle Channel / 1.4MHz / 16QAM



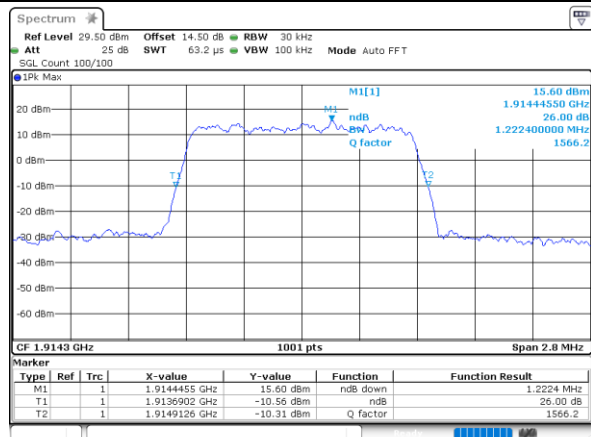
Date: 13,NOV,2020 19:02:27

Highest Channel / 1.4MHz / QPSK



Date: 13,NOV,2020 18:59:33

Highest Channel / 1.4MHz / 16QAM

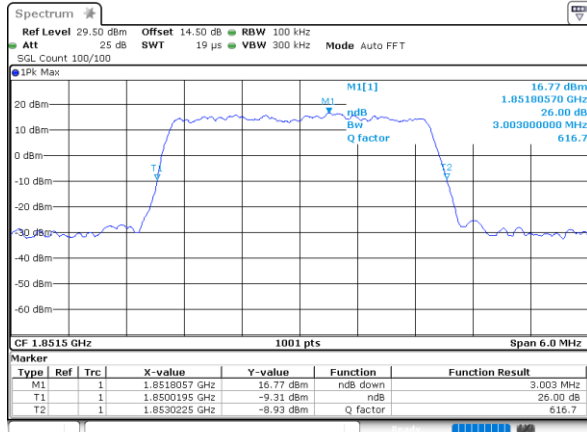


Date: 13,NOV,2020 19:00:23



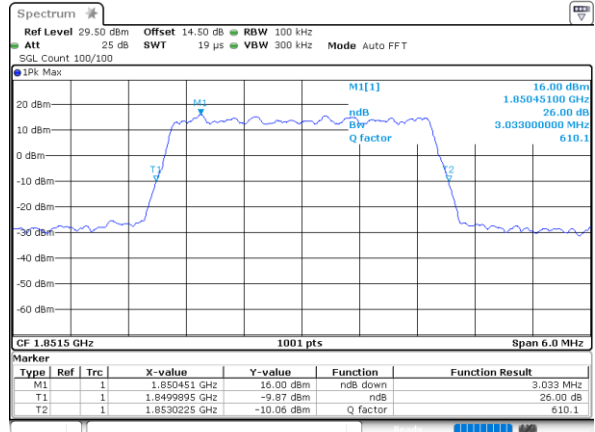
LTE Band 25

Lowest Channel / 3MHz / QPSK



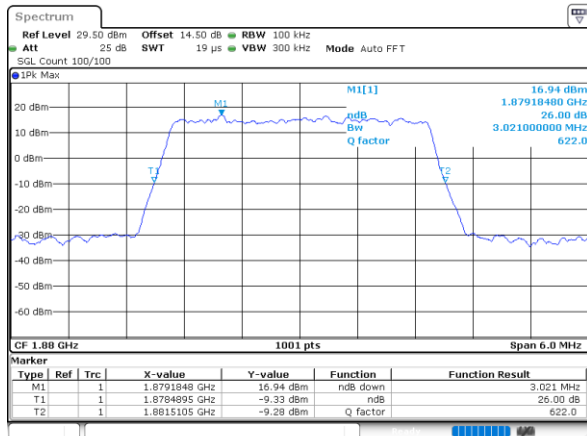
Date: 13.NOV.2020 19:45:30

Lowest Channel / 3MHz / 16QAM



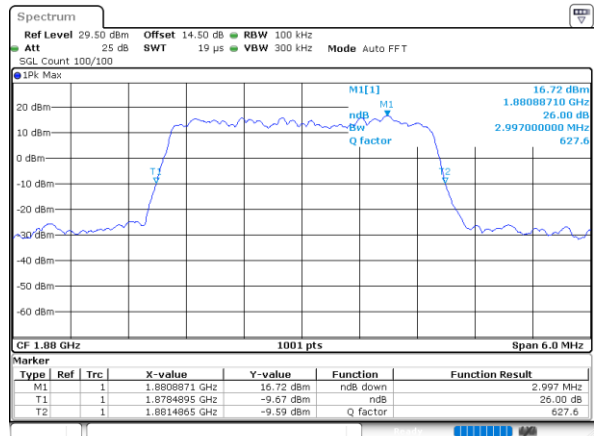
Date: 13.NOV.2020 19:46:05

Middle Channel / 3MHz / QPSK



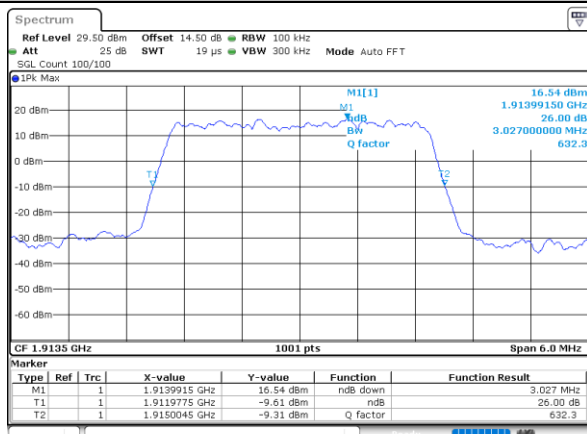
Date: 13.NOV.2020 19:48:27

Middle Channel / 3MHz / 16QAM



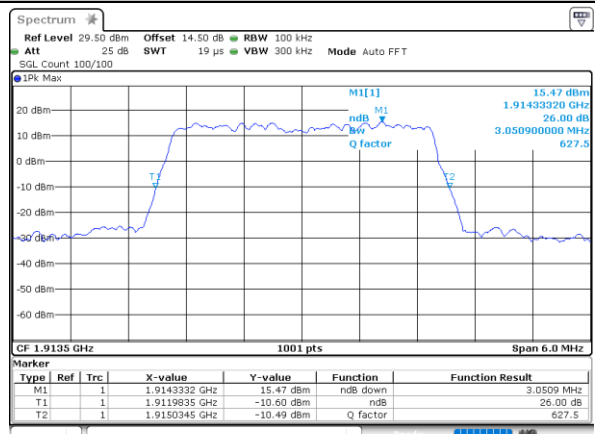
Date: 13.NOV.2020 19:47:50

Highest Channel / 3MHz / QPSK



Date: 13.NOV.2020 19:49:14

Highest Channel / 3MHz / 16QAM

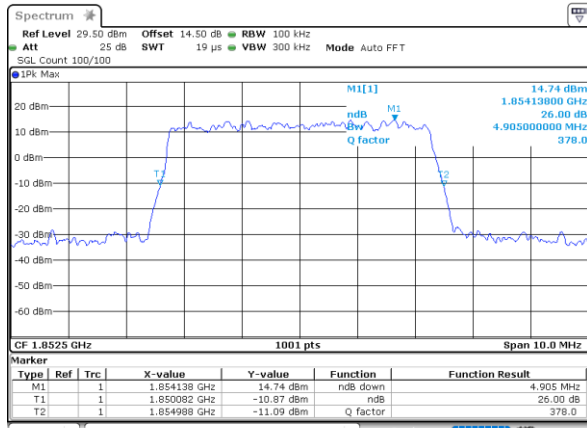


Date: 13.NOV.2020 19:50:06



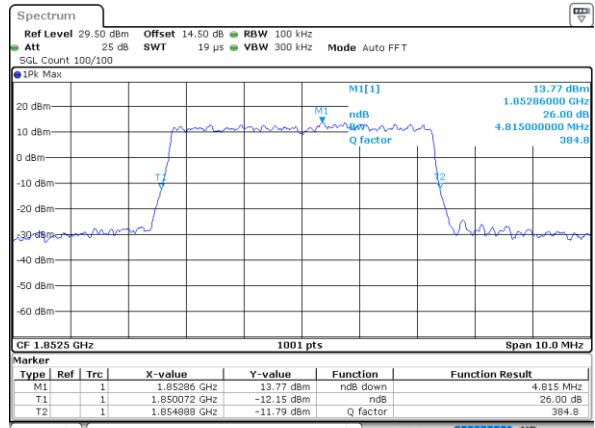
LTE Band 25

Lowest Channel / 5MHz / QPSK



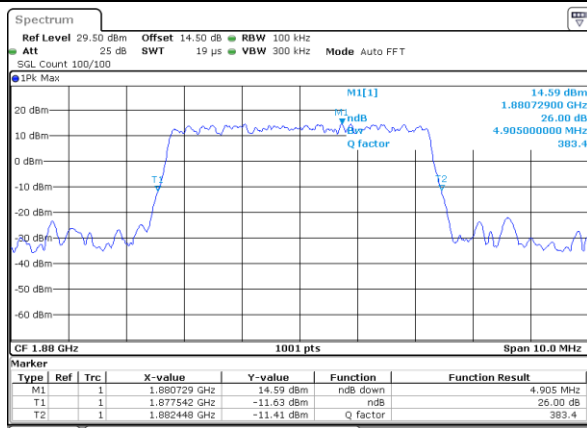
Date: 13,NOV,2020 20:36:44

Lowest Channel / 5MHz / 16QAM



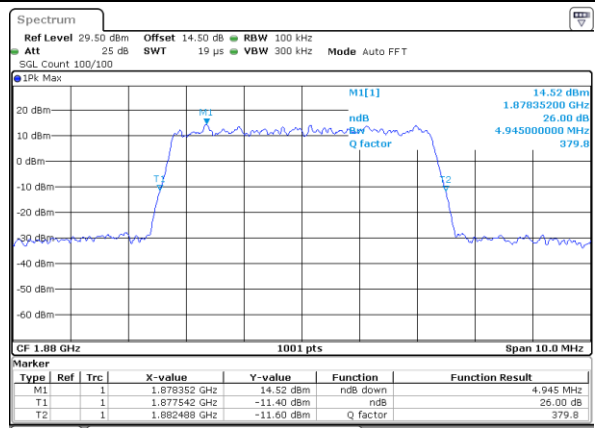
Date: 13,NOV,2020 20:37:17

Middle Channel / 5MHz / QPSK



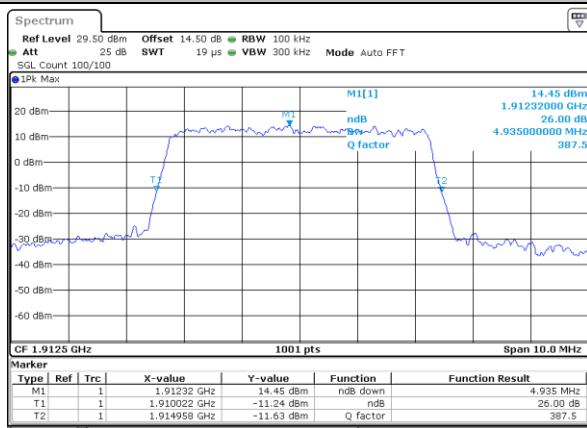
Date: 13,NOV,2020 20:39:55

Middle Channel / 5MHz / 16QAM



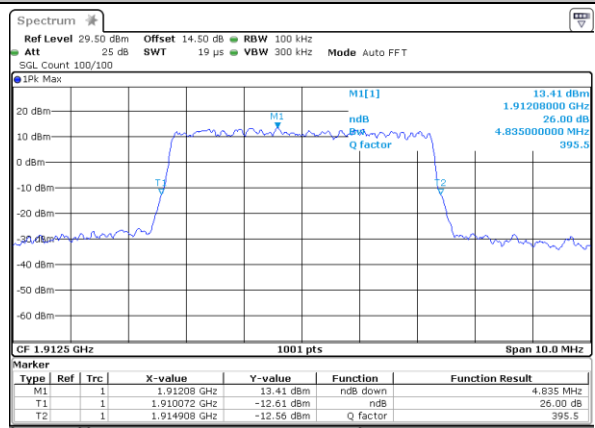
Date: 13,NOV,2020 20:39:27

Highest Channel / 5MHz / QPSK



Date: 13,NOV,2020 20:40:46

Highest Channel / 5MHz / 16QAM

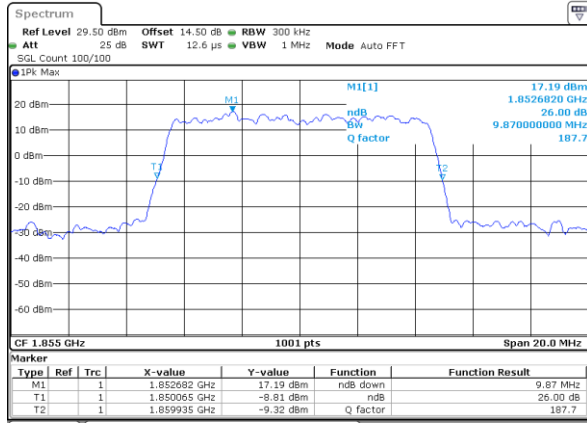


Date: 13,NOV,2020 20:41:25



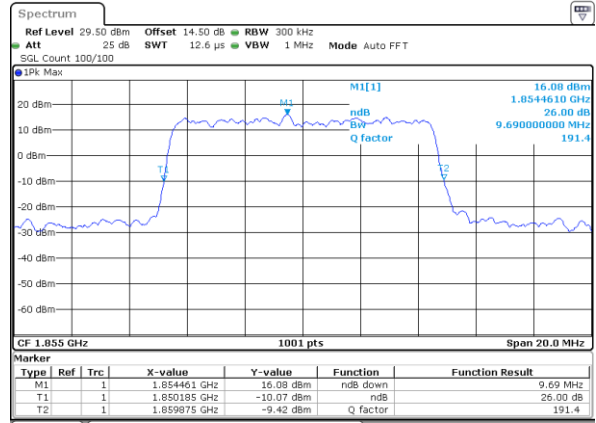
LTE Band 25

Lowest Channel / 10MHz / QPSK



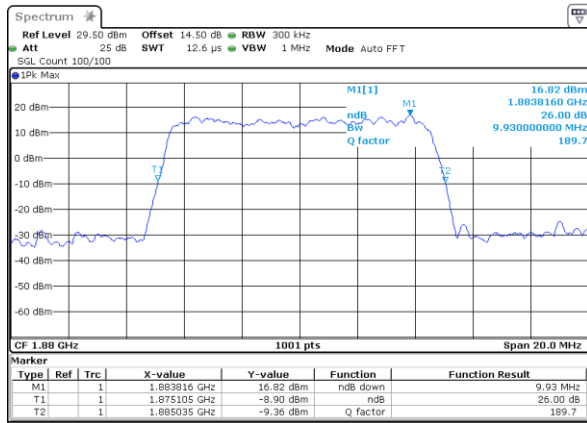
Date: 13,NOV,2020 21:11:45

Lowest Channel / 10MHz / 16QAM



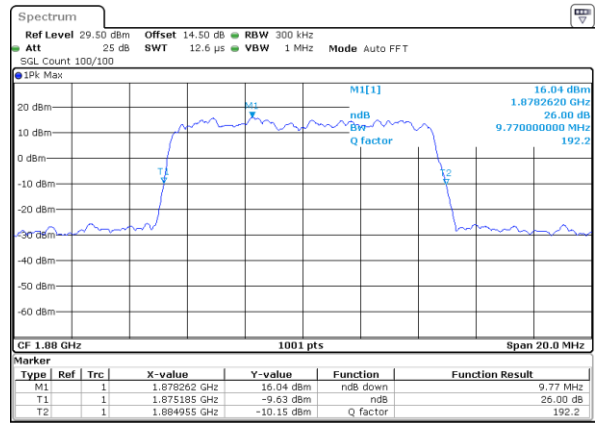
Date: 13,NOV,2020 21:12:34

Middle Channel / 10MHz / QPSK



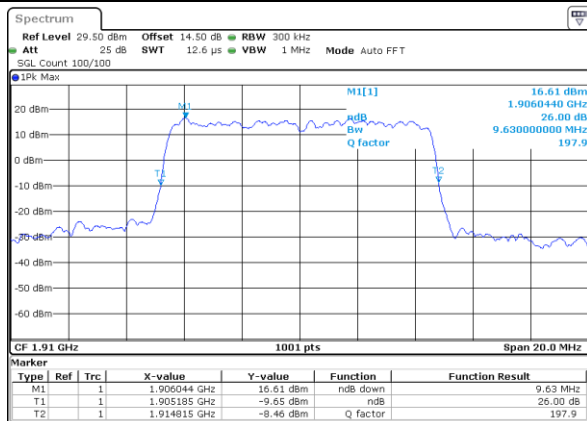
Date: 13,NOV,2020 21:18:10

Middle Channel / 10MHz / 16QAM



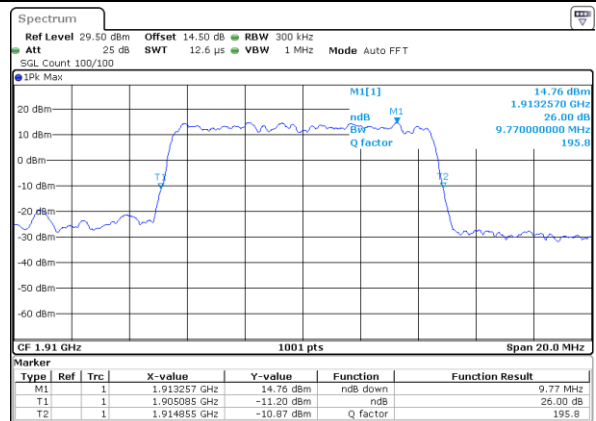
Date: 13,NOV,2020 21:17:04

Highest Channel / 10MHz / QPSK



Date: 13,NOV,2020 21:20:15

Highest Channel / 10MHz / 16QAM

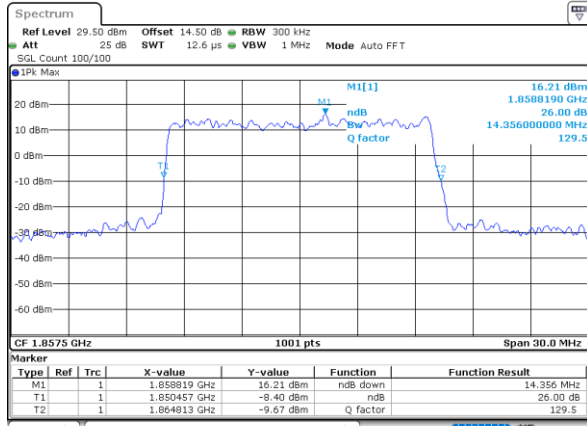


Date: 13,NOV,2020 21:22:18



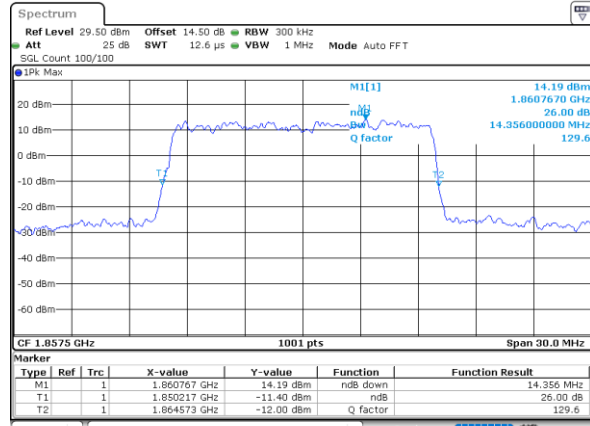
LTE Band 25

Lowest Channel / 15MHz / QPSK



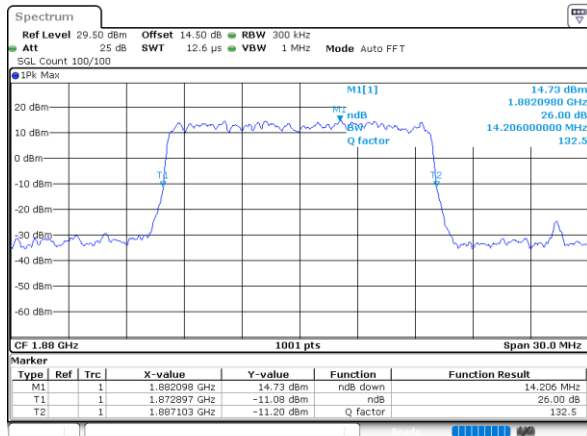
Date: 13,NOV,2020 21:57:29

Lowest Channel / 15MHz / 16QAM



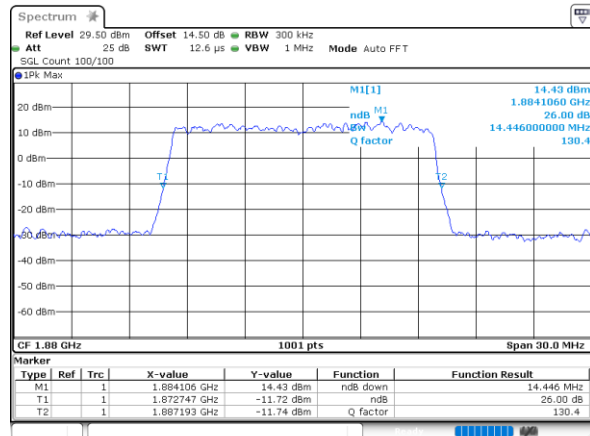
Date: 13,NOV,2020 21:58:49

Middle Channel / 15MHz / QPSK



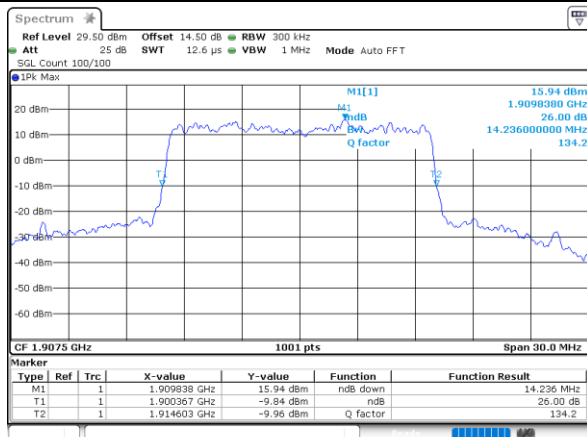
Date: 13,NOV,2020 22:02:32

Middle Channel / 15MHz / 16QAM



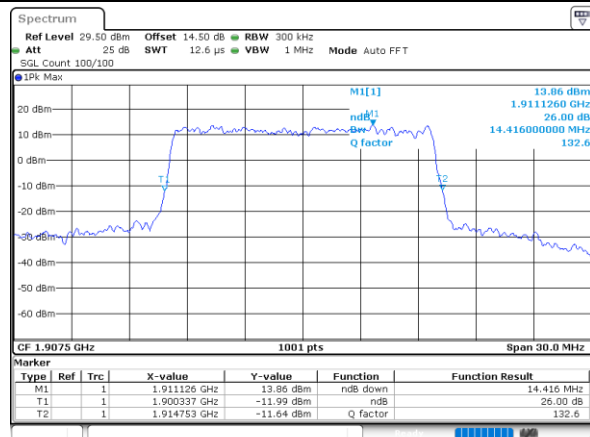
Date: 13,NOV,2020 22:02:00

Highest Channel / 15MHz / QPSK



Date: 13,NOV,2020 22:03:33

Highest Channel / 15MHz / 16QAM

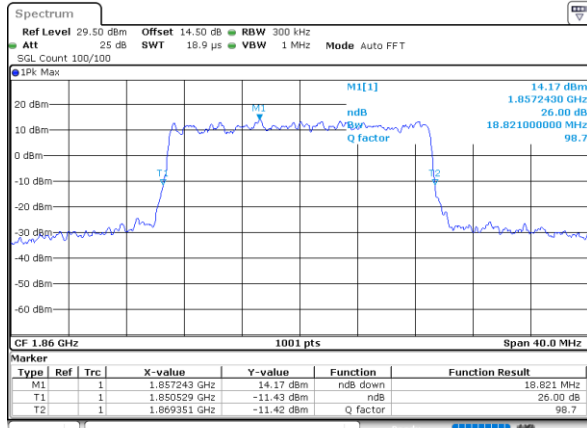


Date: 13,NOV,2020 22:04:16

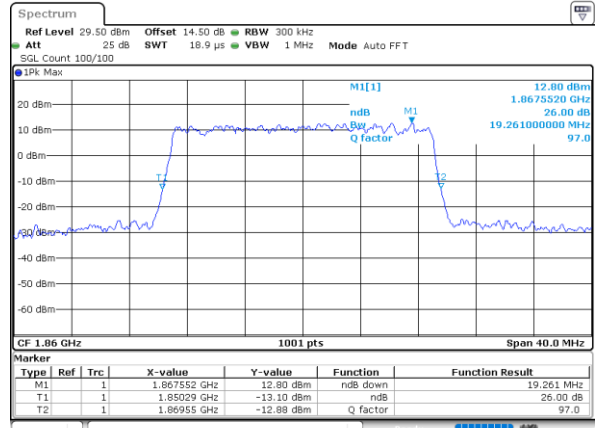


LTE Band 25

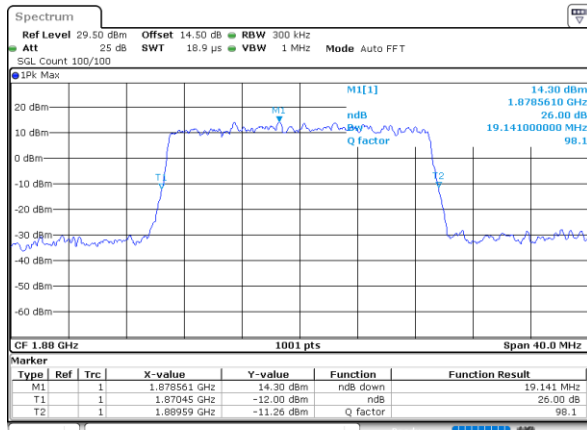
Lowest Channel / 20MHz / QPSK



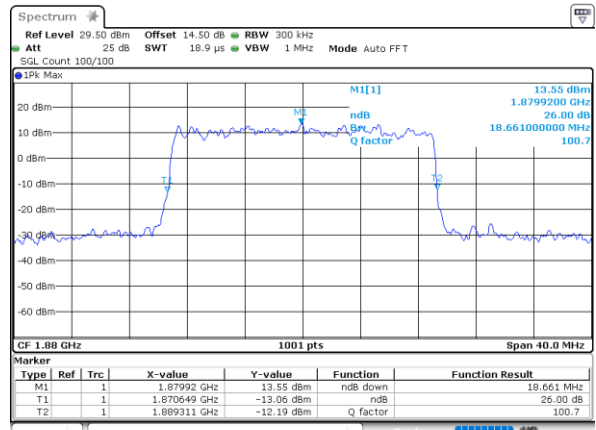
Lowest Channel / 20MHz / 16QAM



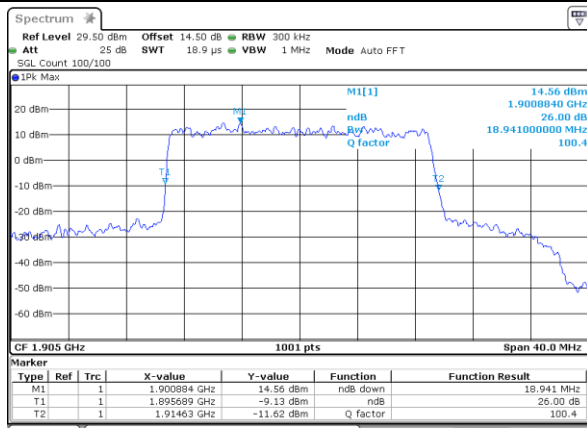
Middle Channel / 20MHz / QPSK



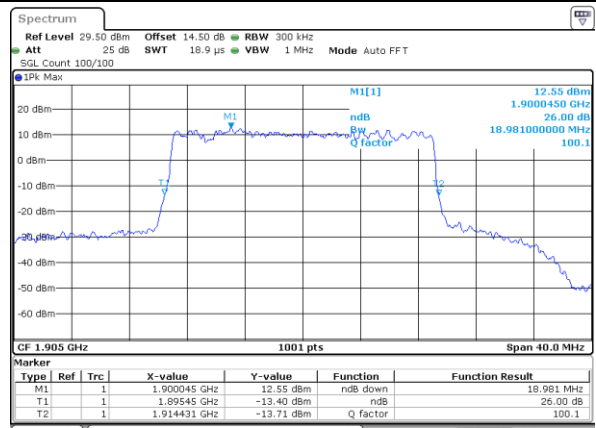
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



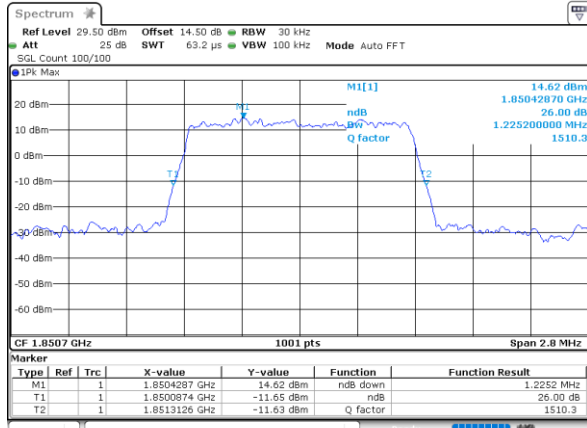
Highest Channel / 20MHz / 16QAM



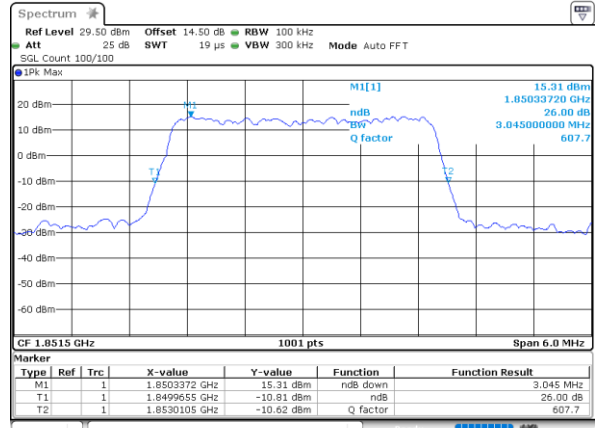


LTE Band 25

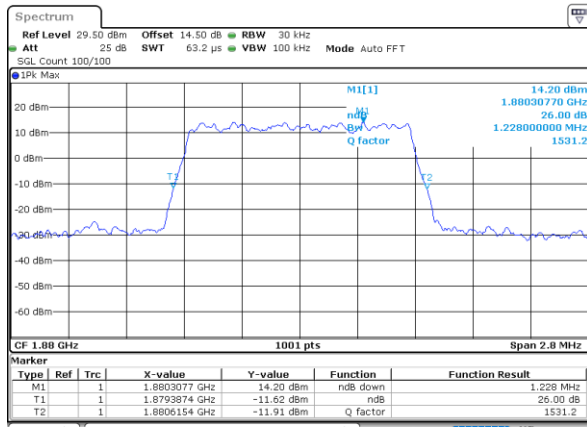
Lowest Channel / 1.4MHz / 64QAM



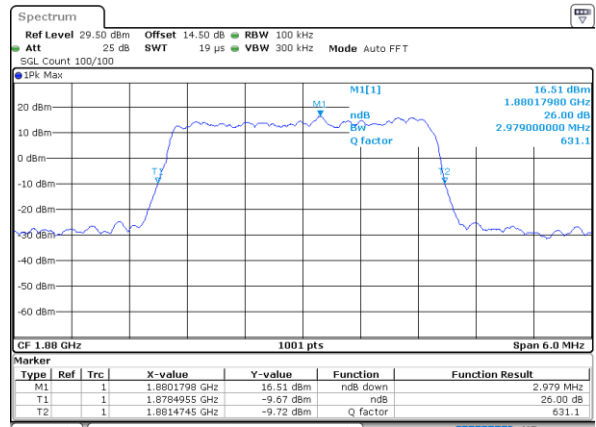
Lowest Channel / 3MHz / 64QAM



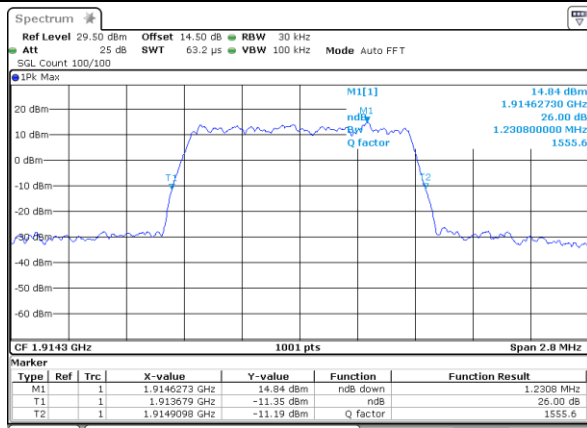
Middle Channel / 1.4MHz / 64QAM



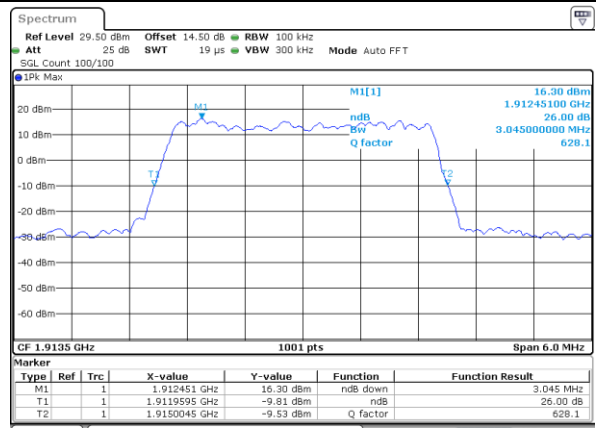
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



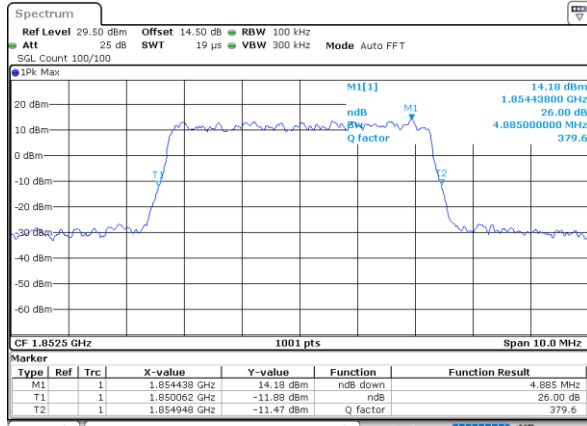
Highest Channel / 3MHz / 64QAM



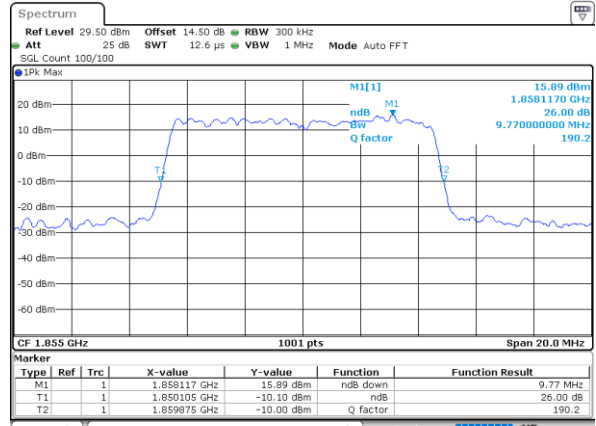


LTE Band 25

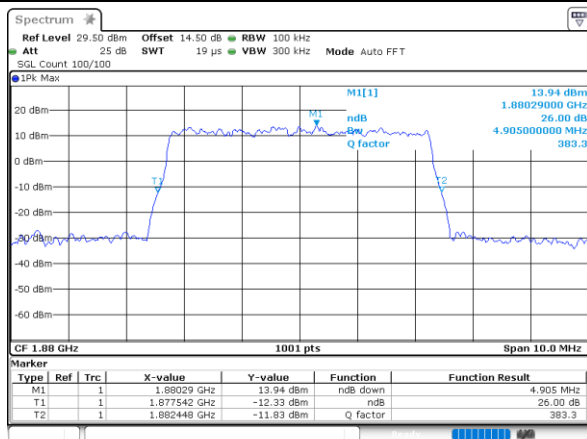
Lowest Channel / 5MHz / 64QAM



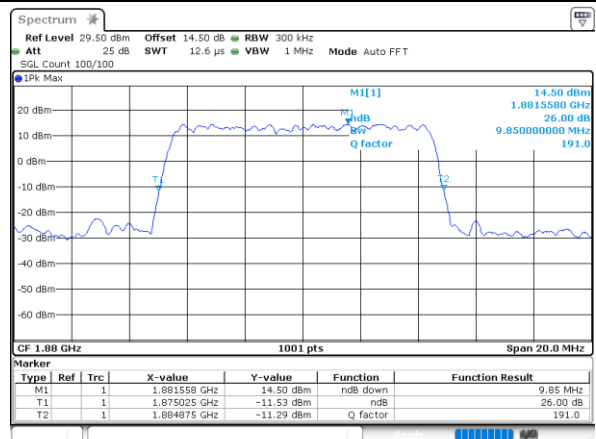
Lowest Channel / 10MHz / 64QAM



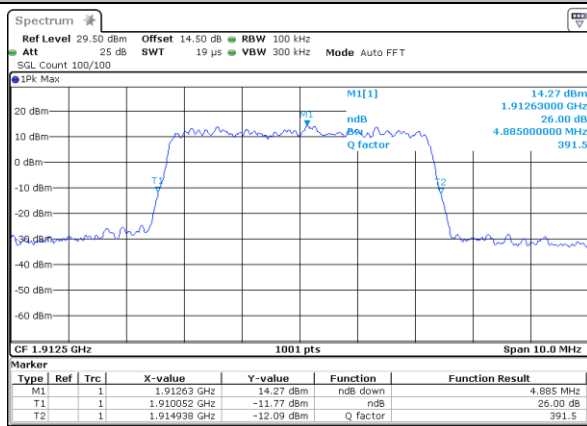
Middle Channel / 5MHz / 64QAM



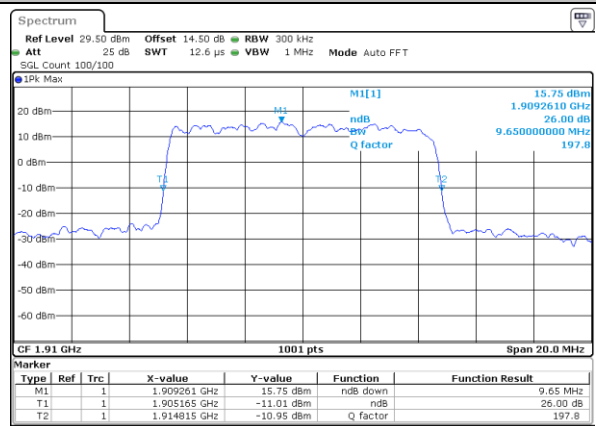
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



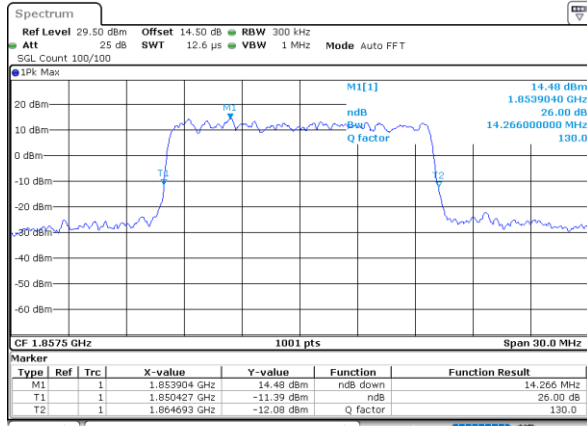
Highest Channel / 10MHz / 64QAM





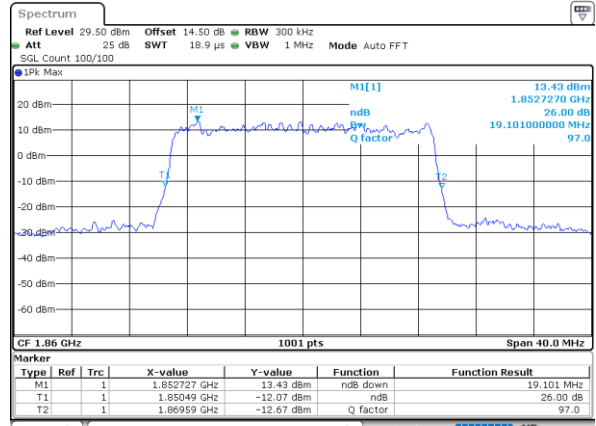
LTE Band 25

Lowest Channel / 15MHz / 64QAM



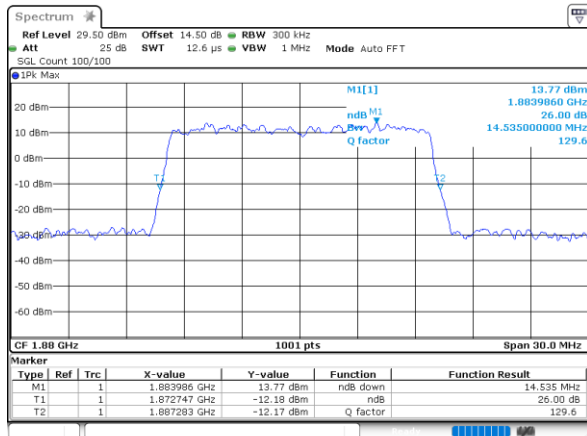
Date: 13,NOV,2020 21:59:44

Lowest Channel / 20MHz / 64QAM



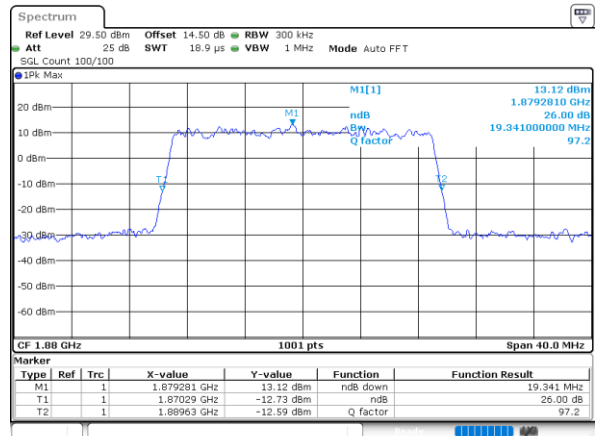
Date: 13,NOV,2020 22:41:25

Middle Channel / 15MHz / 64QAM



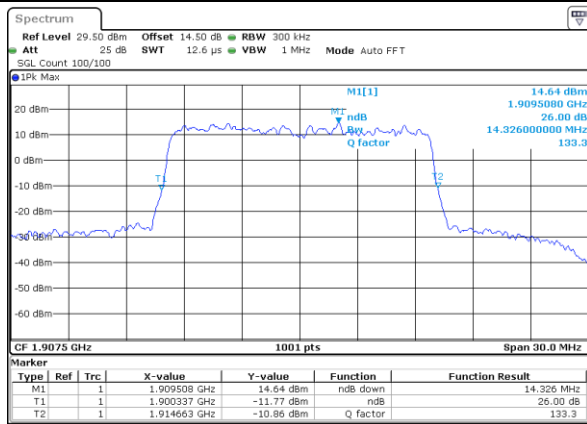
Date: 13,NOV,2020 22:01:13

Middle Channel / 20MHz / 64QAM



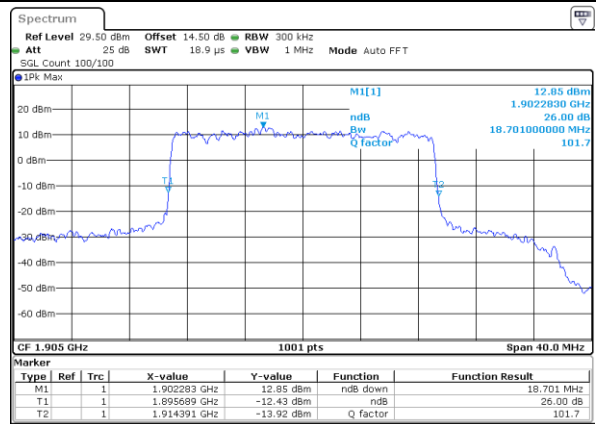
Date: 13,NOV,2020 22:42:59

Highest Channel / 15MHz / 64QAM



Date: 13,NOV,2020 22:05:38

Highest Channel / 20MHz / 64QAM



Date: 13,NOV,2020 22:51:02

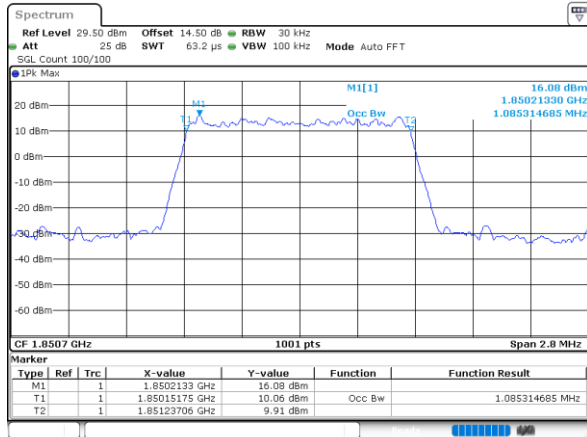
**Occupied Bandwidth**

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	2.72	2.74	4.50	4.49	9.13	9.01	13.43	13.46	17.94	17.78
Middle CH	1.09	1.10	2.73	2.73	4.49	4.50	9.03	8.99	13.43	13.40	17.82	17.90
Highest CH	1.09	1.09	2.74	2.72	4.47	4.47	9.03	8.99	13.43	13.40	17.82	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	-	2.73	-	4.47	-	9.03	-	13.49	-	17.86	-
Middle CH	1.09	-	2.72	-	4.46	-	9.01	-	13.43	-	17.82	-
Highest CH	1.09	-	2.73	-	4.48	-	9.01	-	13.37	-	17.90	-



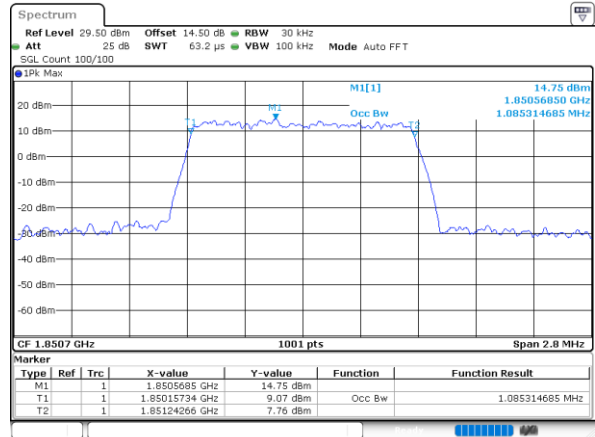
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



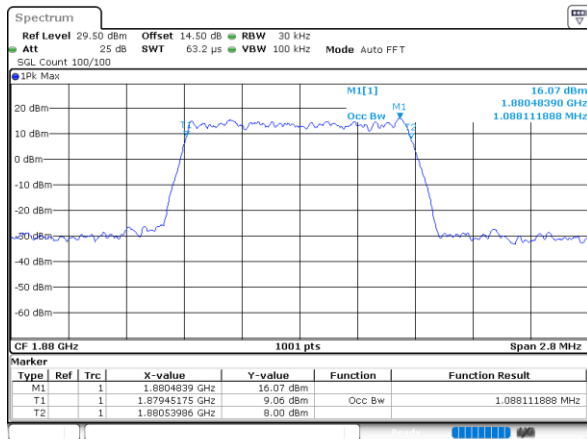
Date: 13.NOV.2020 18:52:07

Lowest Channel / 1.4MHz / 16QAM



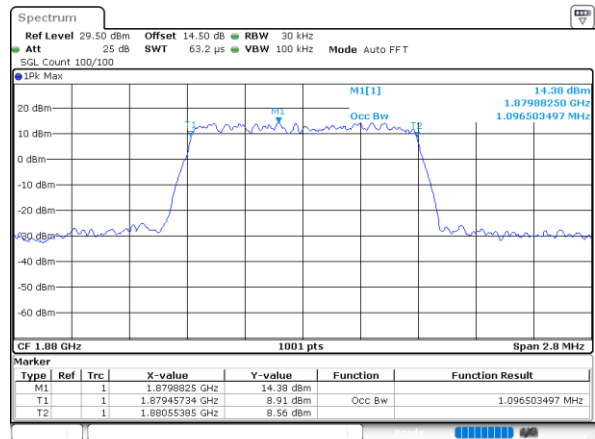
Date: 13.NOV.2020 19:03:27

Middle Channel / 1.4MHz / QPSK



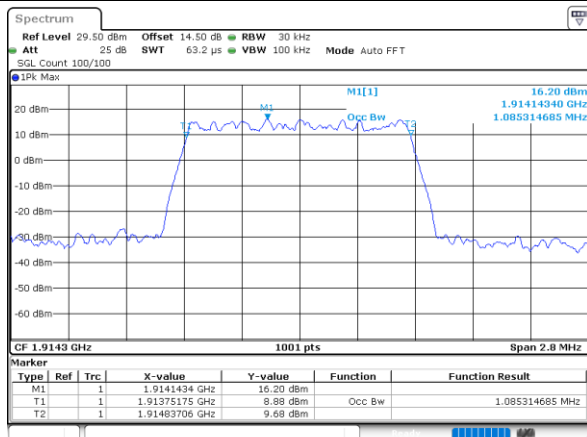
Date: 13.NOV.2020 18:58:33

Middle Channel / 1.4MHz / 16QAM



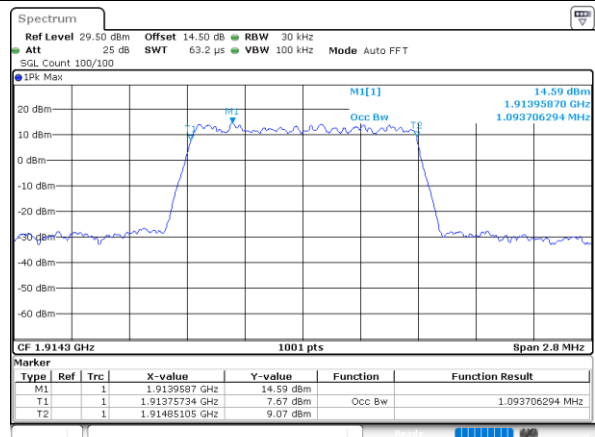
Date: 13.NOV.2020 19:02:17

Highest Channel / 1.4MHz / QPSK



Date: 13.NOV.2020 18:59:22

Highest Channel / 1.4MHz / 16QAM

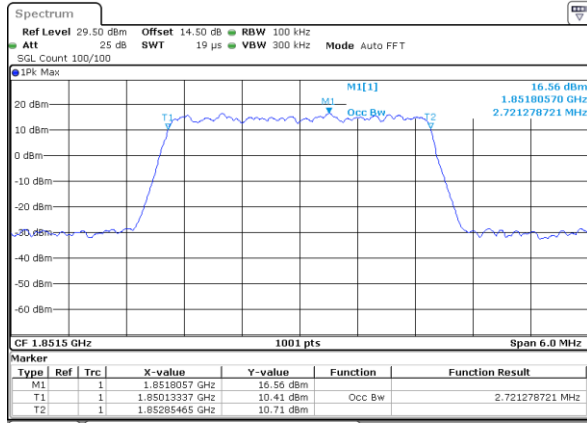


Date: 13.NOV.2020 19:00:12



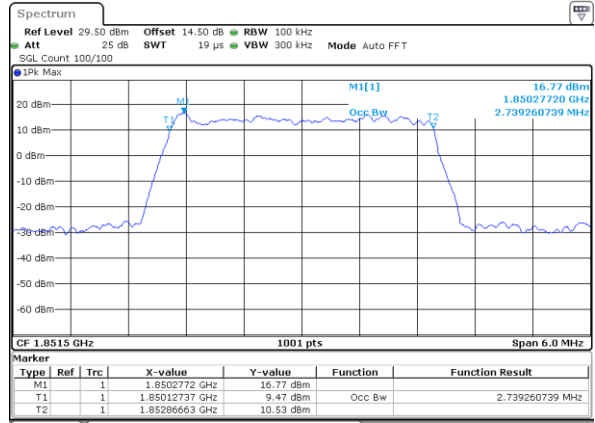
LTE Band 25

Lowest Channel / 3MHz / QPSK



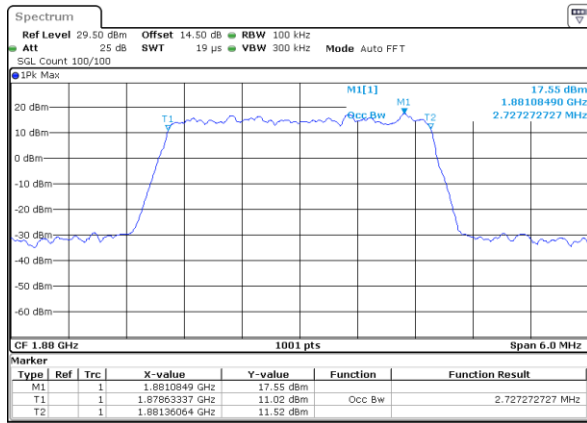
Date: 13,NOV,2020 19:45:16

Lowest Channel / 3MHz / 16QAM



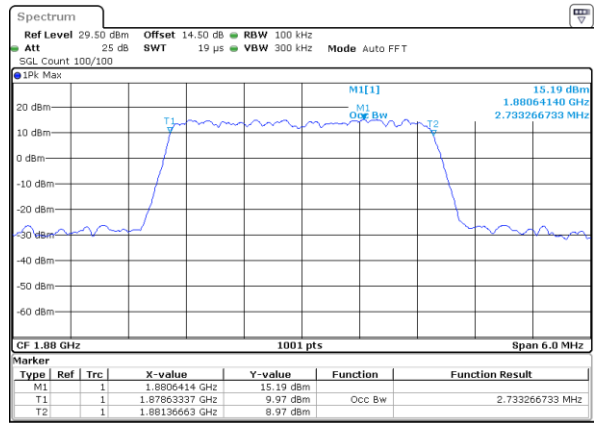
Date: 13,NOV,2020 19:45:54

Middle Channel / 3MHz / QPSK



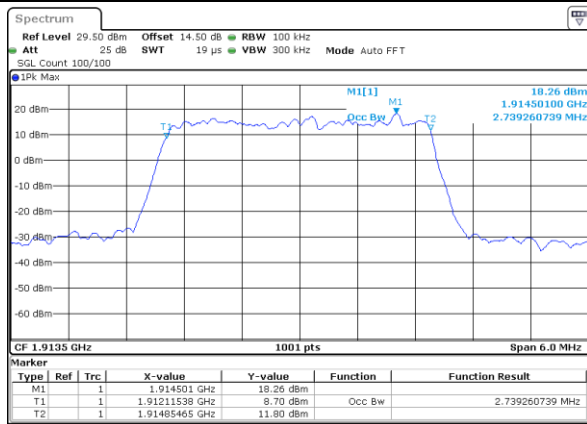
Date: 13,NOV,2020 19:48:15

Middle Channel / 3MHz / 16QAM



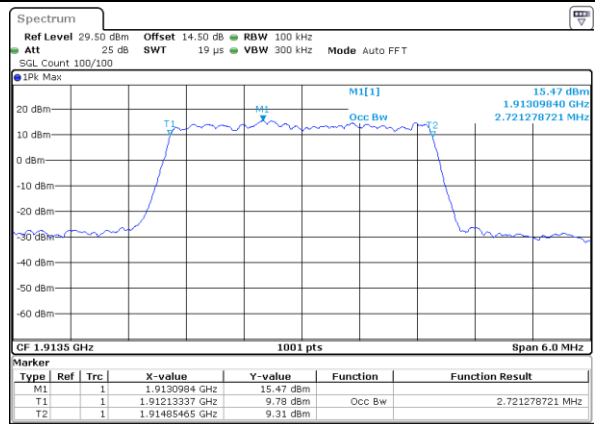
Date: 13,NOV,2020 19:47:38

Highest Channel / 3MHz / QPSK



Date: 13,NOV,2020 19:49:04

Highest Channel / 3MHz / 16QAM

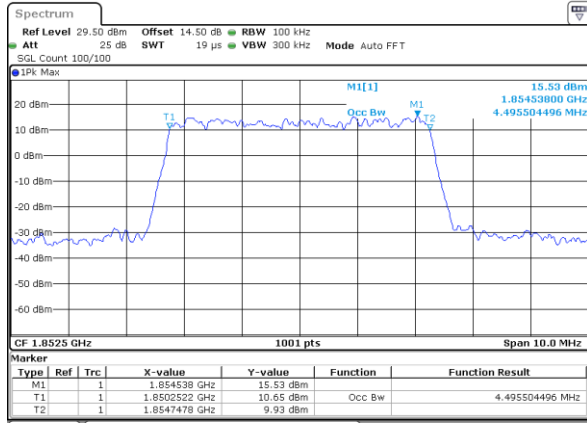


Date: 13,NOV,2020 19:49:43



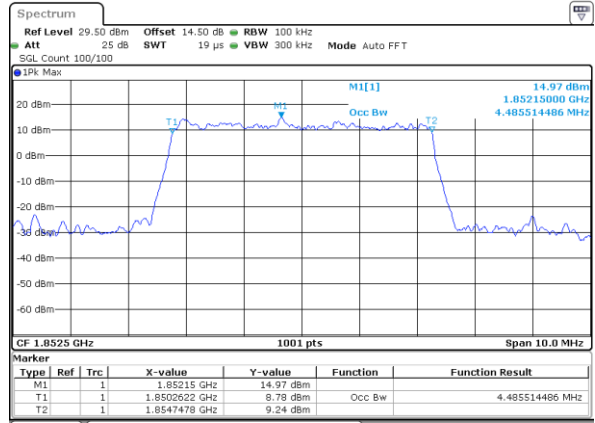
LTE Band 25

Lowest Channel / 5MHz / QPSK



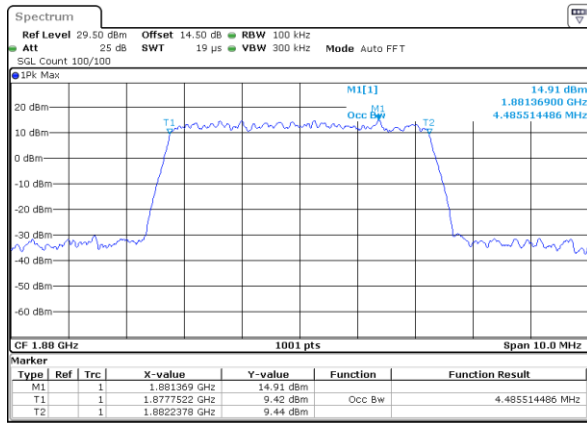
Date: 13,NOV,2020 20:36:31

Lowest Channel / 5MHz / 16QAM



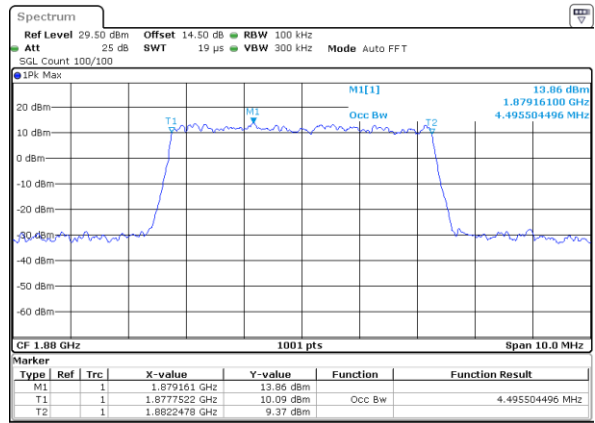
Date: 13,NOV,2020 20:37:07

Middle Channel / 5MHz / QPSK



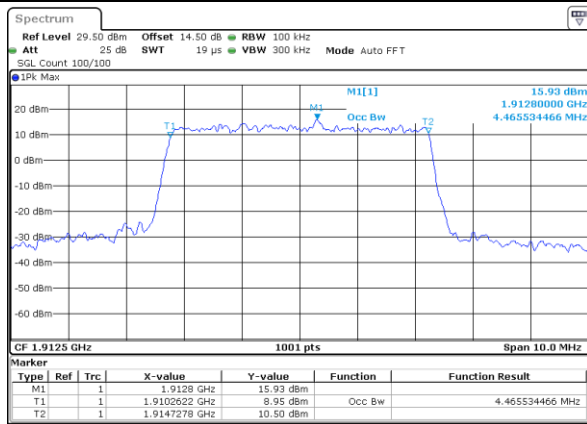
Date: 13,NOV,2020 20:39:43

Middle Channel / 5MHz / 16QAM



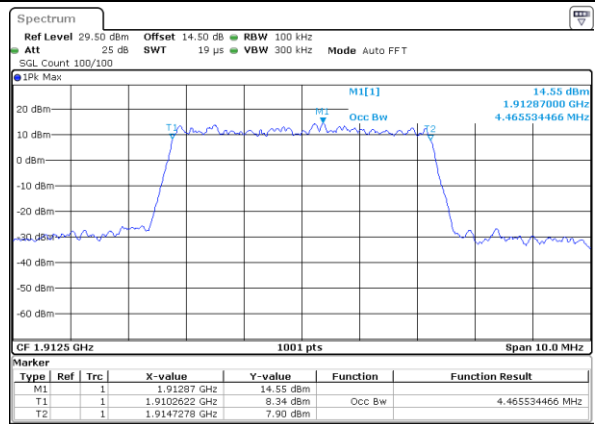
Date: 13,NOV,2020 20:39:07

Highest Channel / 5MHz / QPSK



Date: 13,NOV,2020 20:40:34

Highest Channel / 5MHz / 16QAM



Date: 13,NOV,2020 20:41:10