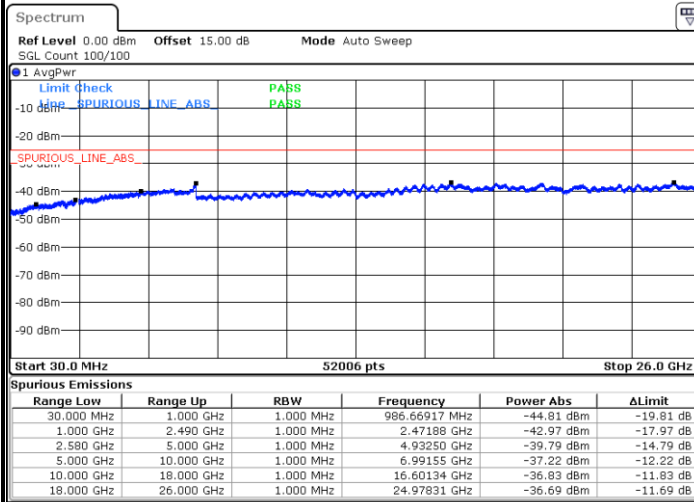




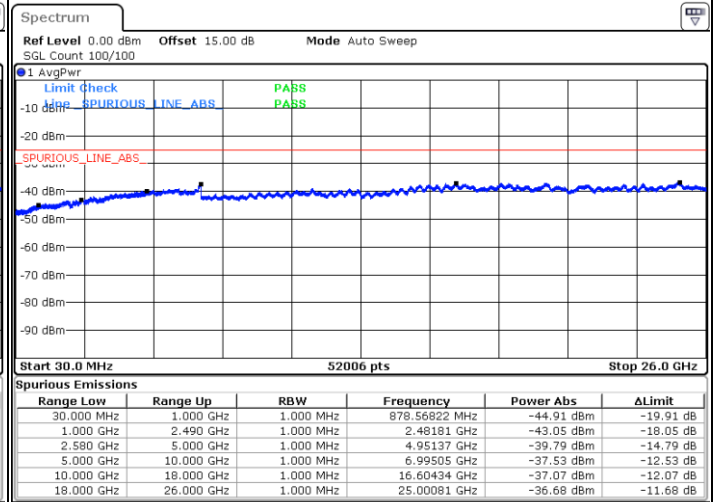
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 6.FEB.2021 17:01:49

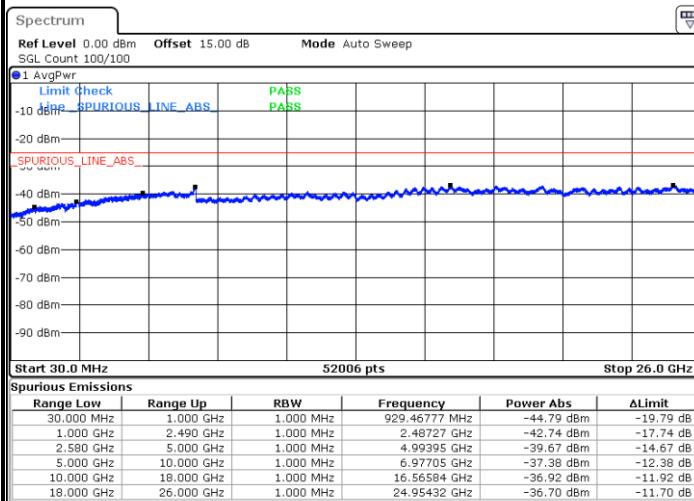
Highest Channel / 16QAM



Date: 6.FEB.2021 18:16:11

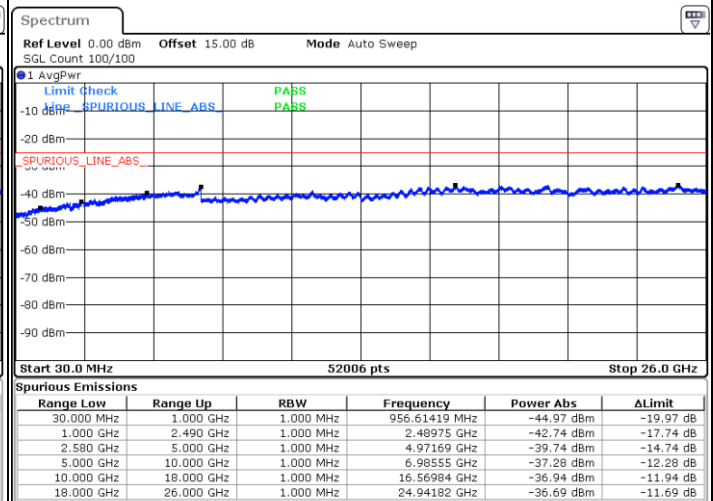
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 6.FEB.2021 17:09:05

Lowest Channel / 16QAM

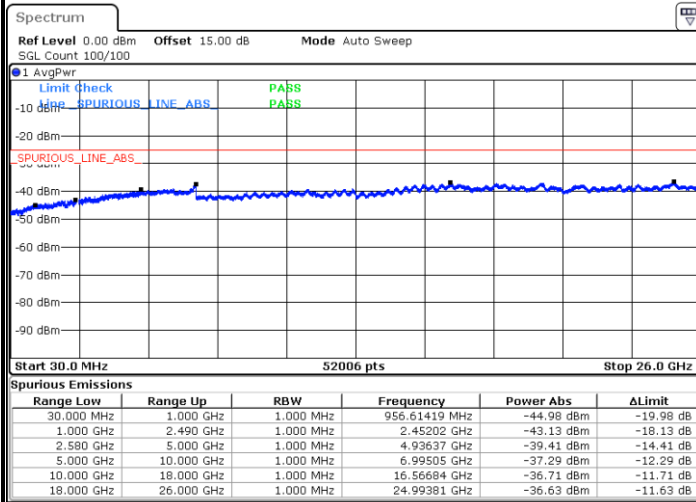


Date: 6.FEB.2021 18:19:49



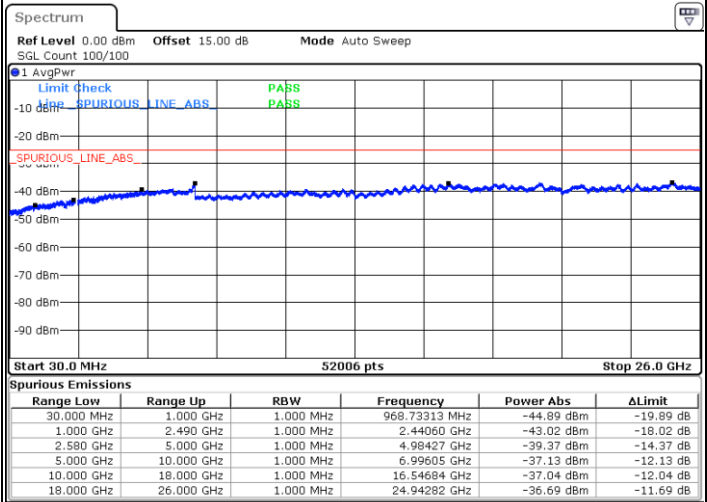
LTE Band 7 / 10MHz

Middle Channel / QPSK



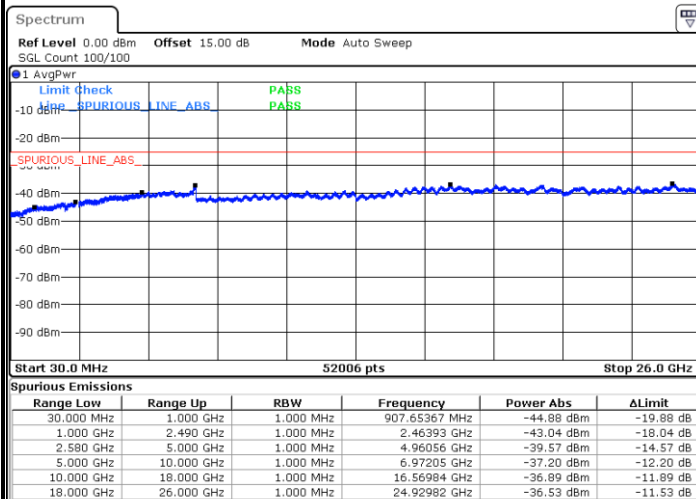
Date: 6.FEB.2021 17:11:48

Middle Channel / 16QAM



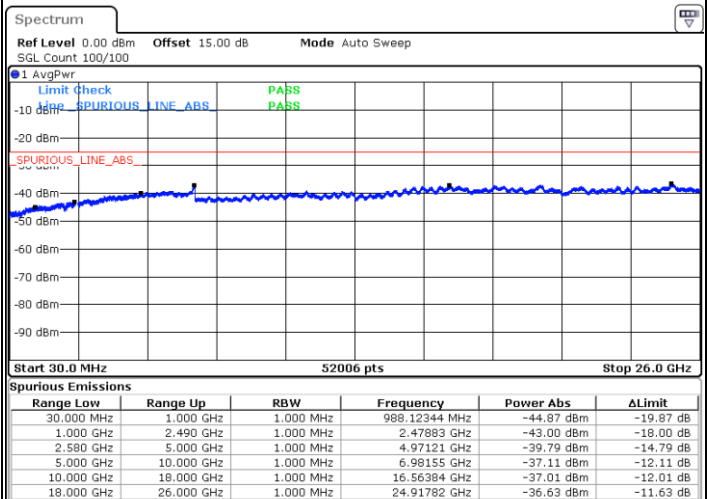
Date: 6.FEB.2021 18:21:10

Highest Channel / QPSK



Date: 6.FEB.2021 17:19:03

Highest Channel / 16QAM

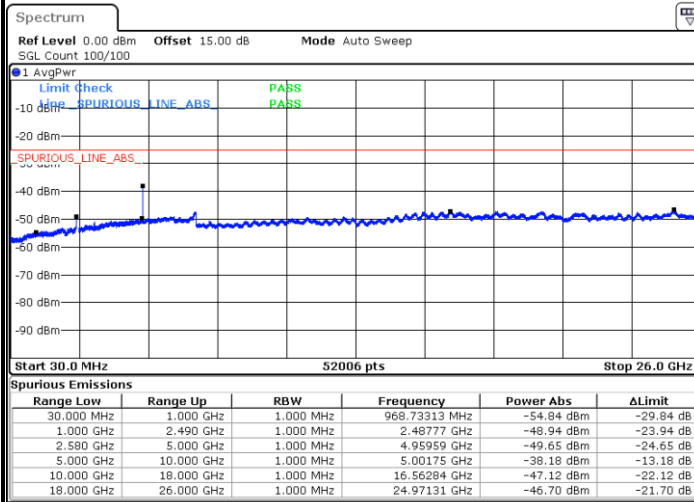


Date: 6.FEB.2021 18:24:47



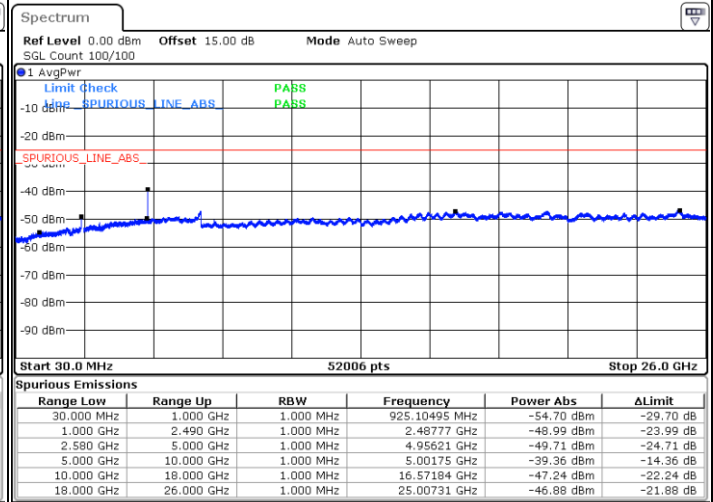
LTE Band 7 / 15MHz

Lowest Channel / QPSK



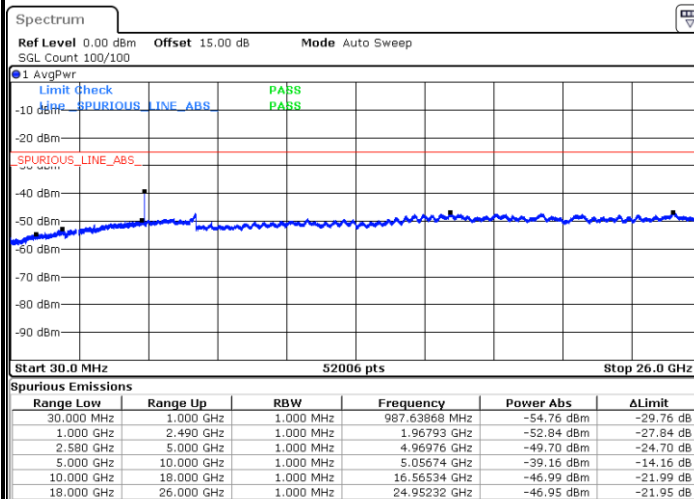
Date: 6.FEB.2021 17:26:20

Lowest Channel / 16QAM



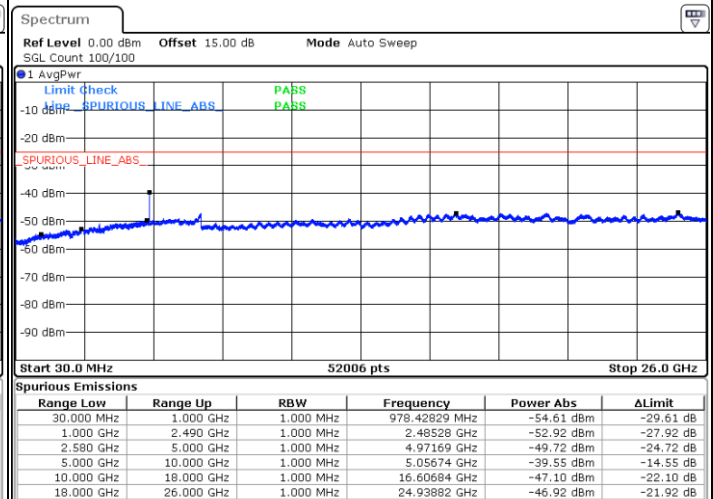
Date: 6.FEB.2021 17:27:17

Middle Channel / QPSK



Date: 6.FEB.2021 17:29:04

Middle Channel / 16QAM

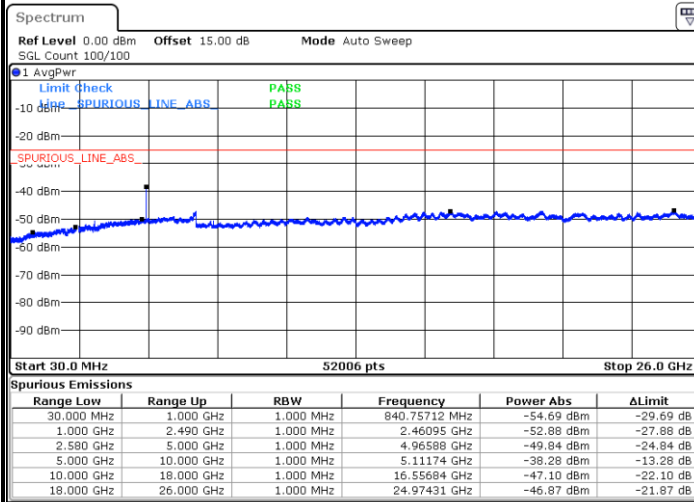


Date: 6.FEB.2021 17:30:00



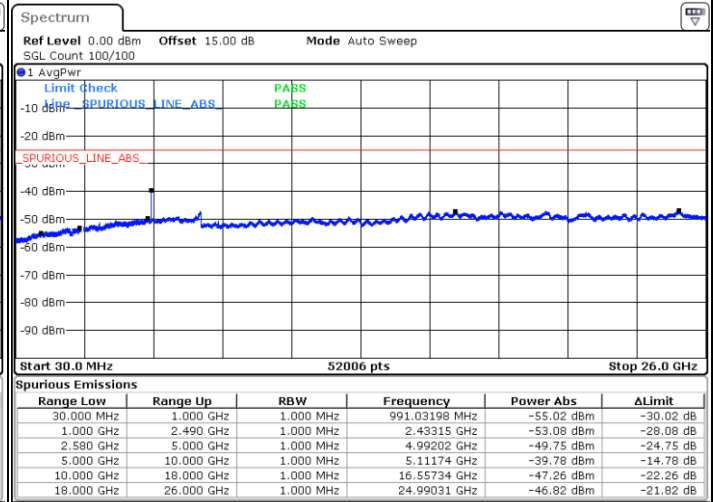
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 6.FEB.2021 17:39:14

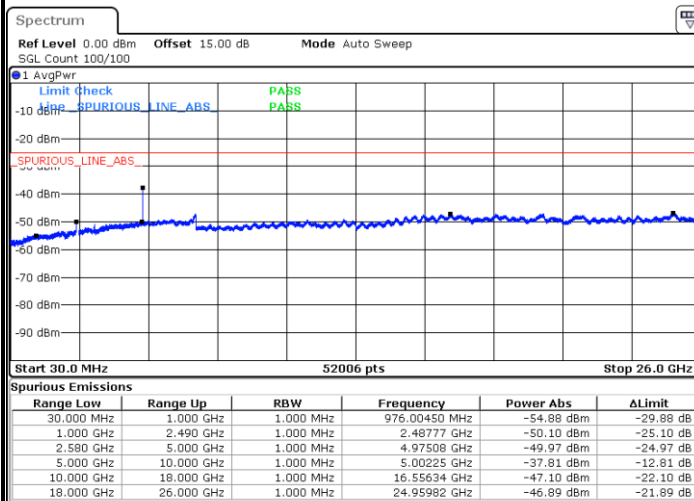
Highest Channel / 16QAM



Date: 6.FEB.2021 17:40:27

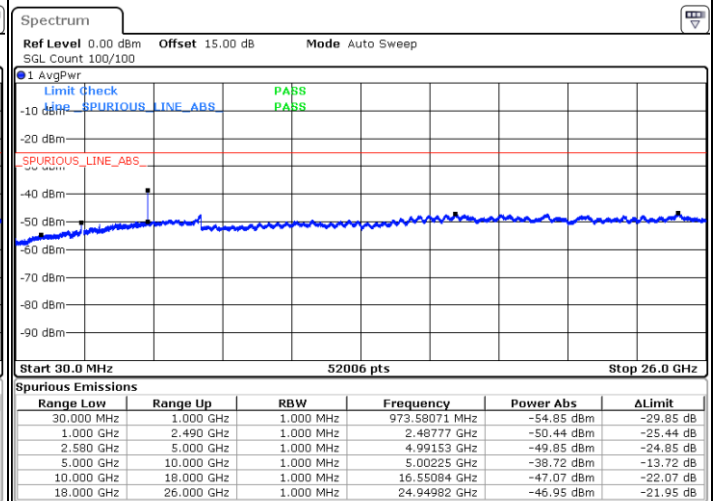
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 6.FEB.2021 17:47:31

Lowest Channel / 16QAM

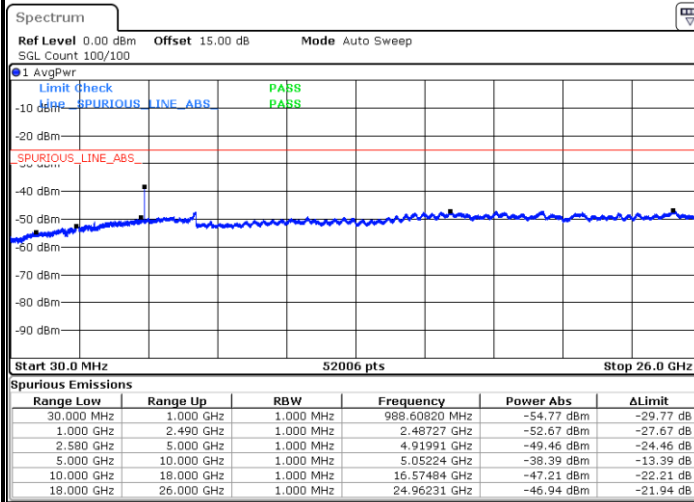


Date: 6.FEB.2021 17:48:28



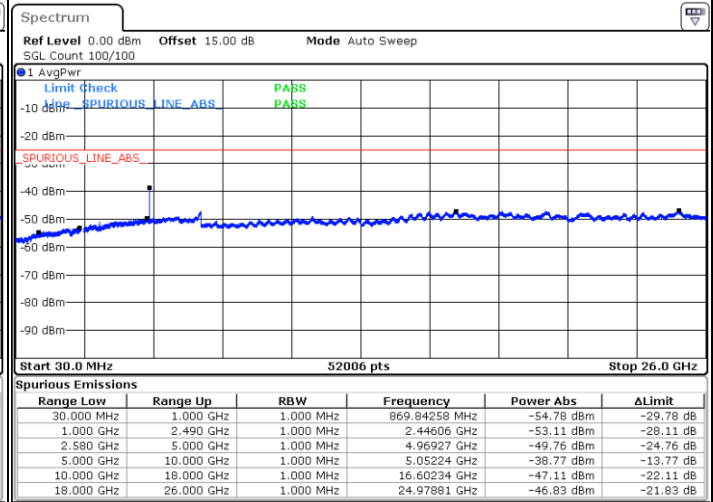
LTE Band 7 / 20MHz

Middle Channel / QPSK



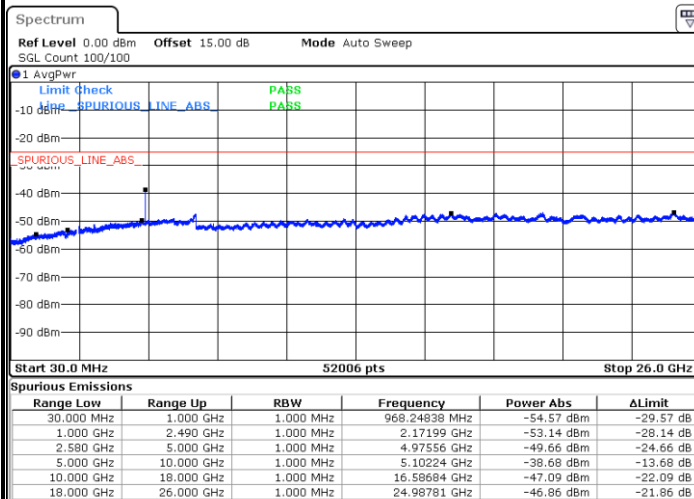
Date: 6.FEB.2021 17:50:14

Middle Channel / 16QAM



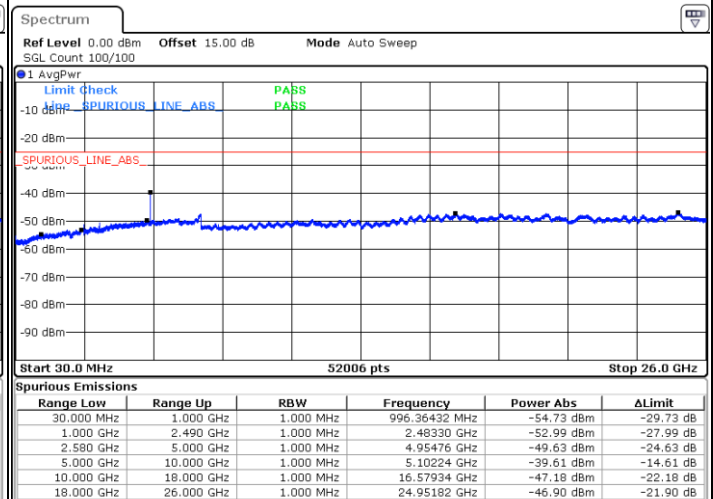
Date: 6.FEB.2021 17:51:10

Highest Channel / QPSK



Date: 6.FEB.2021 17:57:29

Highest Channel / 16QAM

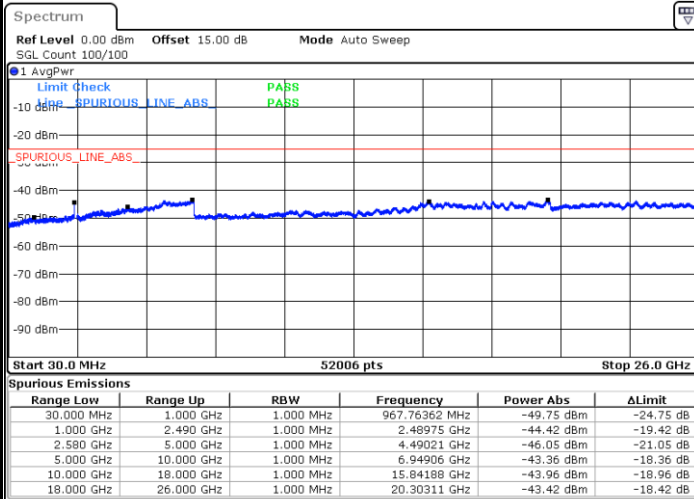


Date: 6.FEB.2021 17:58:25



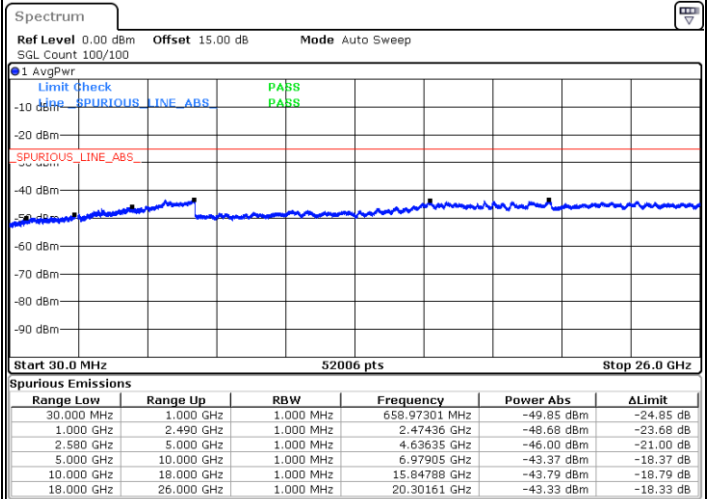
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



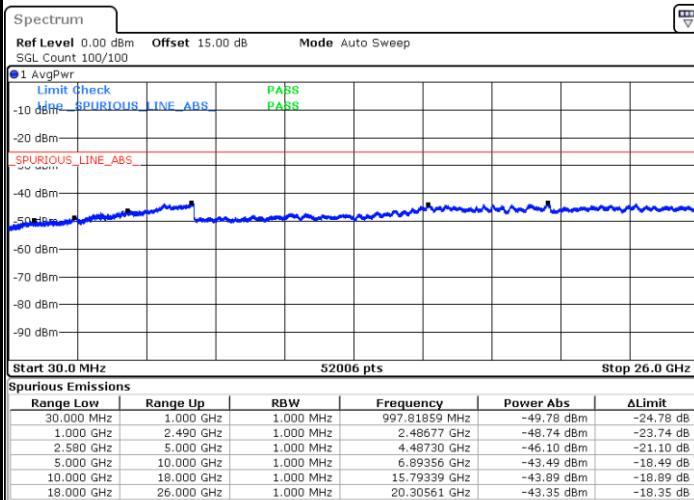
Date: 7.FEB.2021 09:02:32

Middle Channel / 64QAM



Date: 7.FEB.2021 09:04:58

Highest Channel / 64QAM

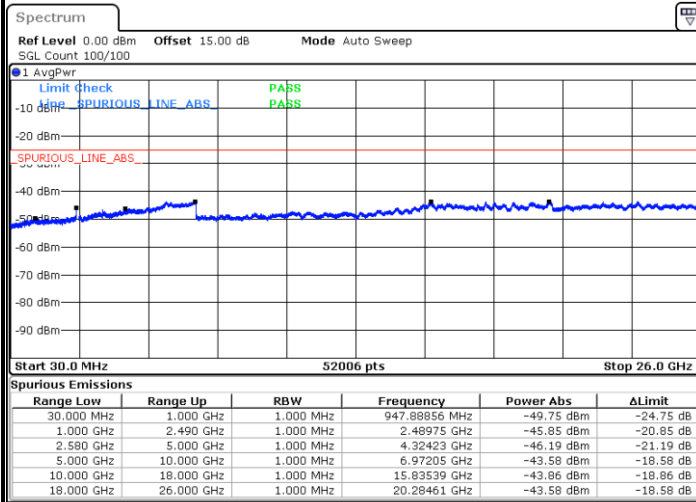


Date: 7.FEB.2021 09:20:43



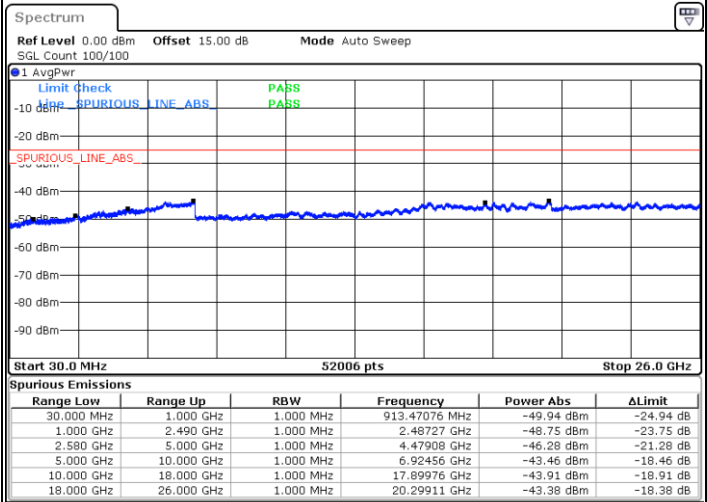
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



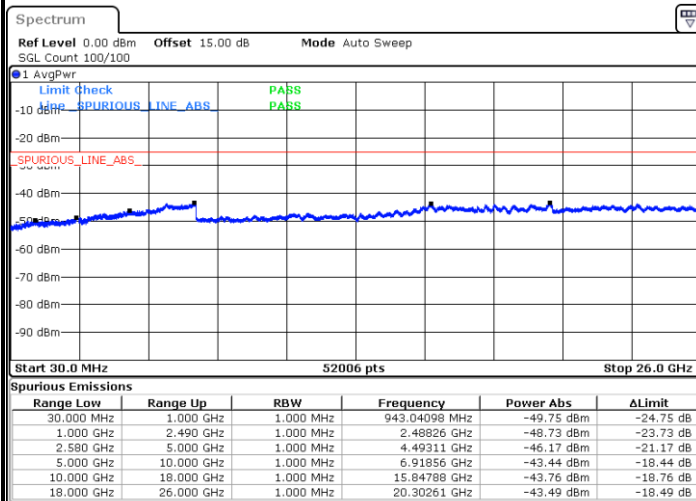
Date: 7.FEB.2021 09:28:03

Middle Channel / 64QAM



Date: 7.FEB.2021 09:29:15

Highest Channel / 64QAM

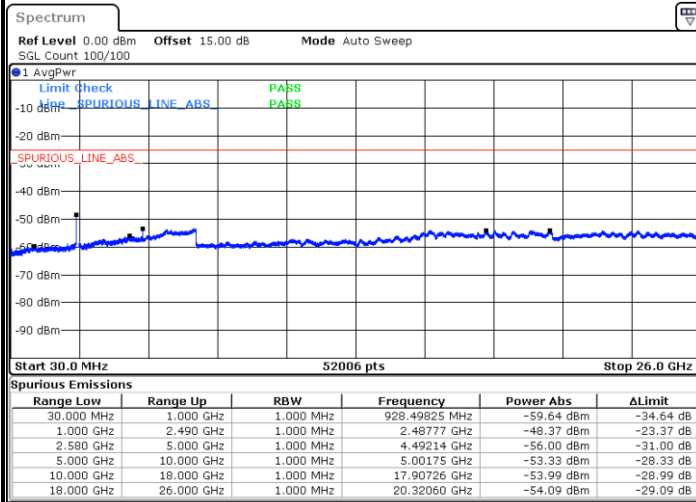


Date: 7.FEB.2021 09:31:39



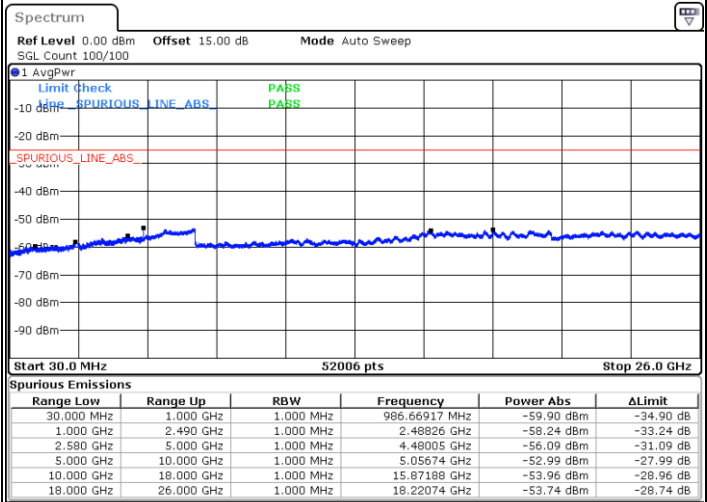
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



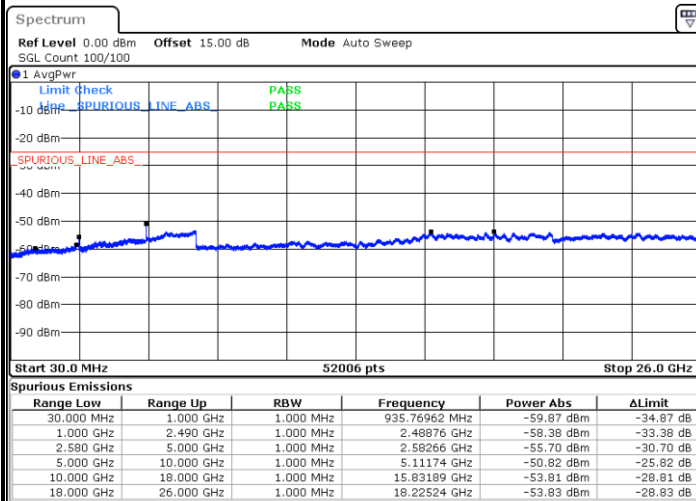
Date: 7.FEB.2021 09:38:24

Middle Channel / 64QAM



Date: 7.FEB.2021 09:40:35

Highest Channel / 64QAM

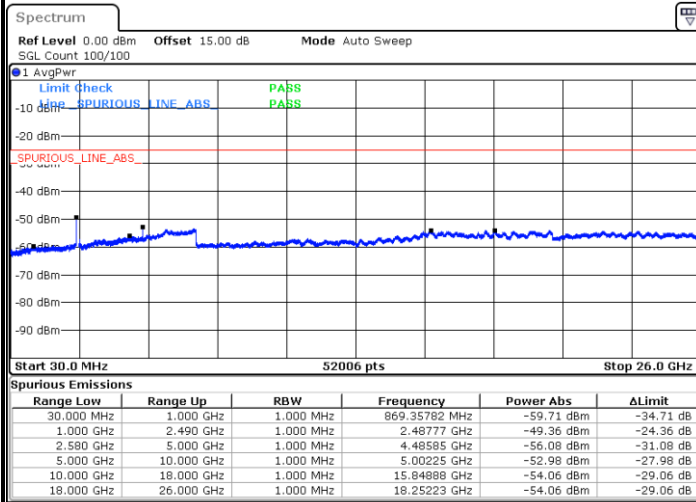


Date: 7.FEB.2021 09:44:55



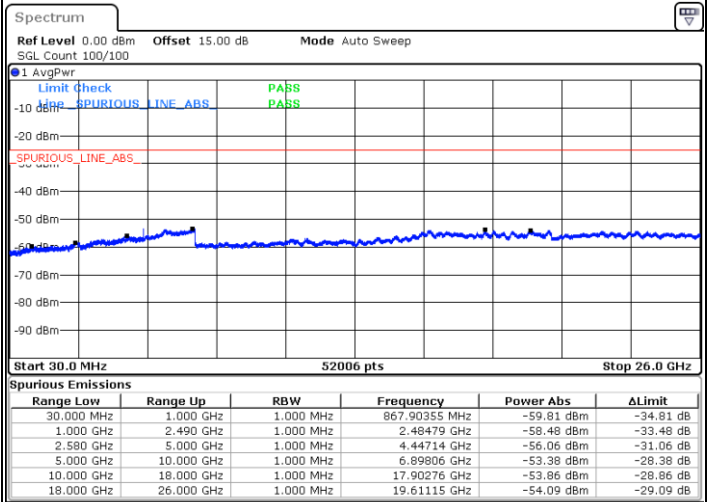
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



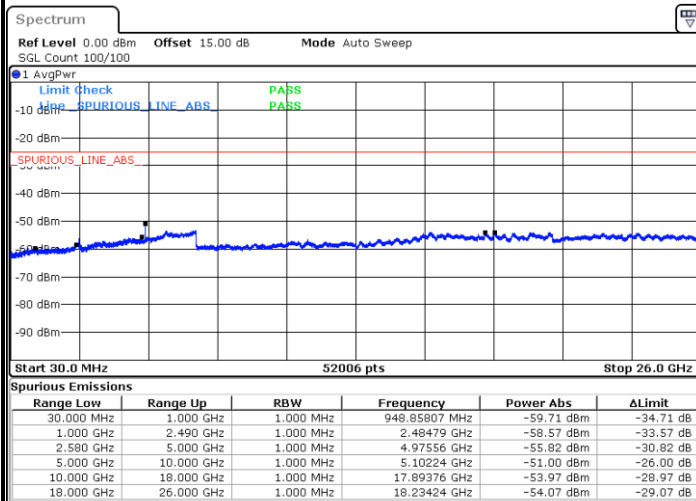
Date: 7.FEB.2021 10:00:26

Middle Channel / 64QAM



Date: 7.FEB.2021 10:01:35

Highest Channel / 64QAM



Date: 7.FEB.2021 10:04:32

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	0.0011	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

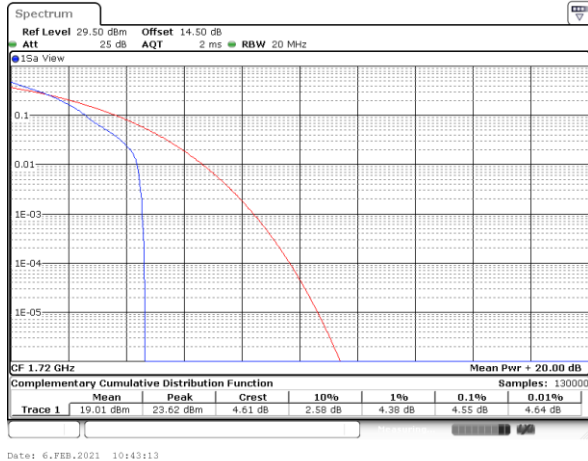
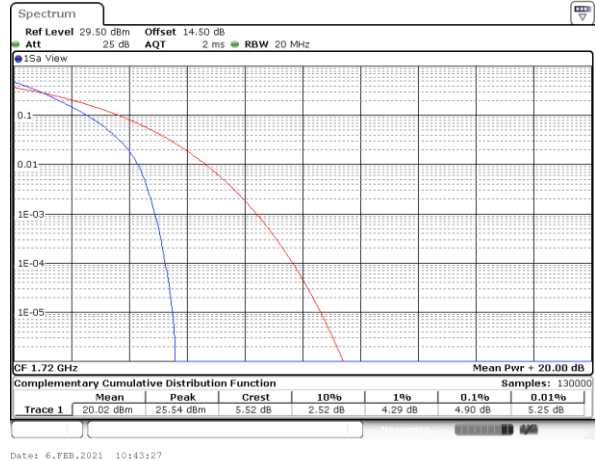
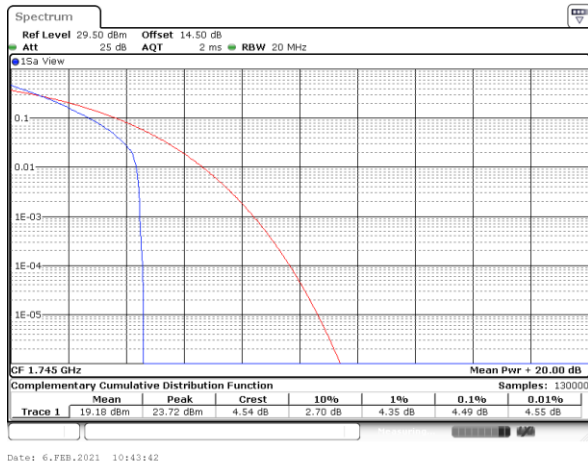
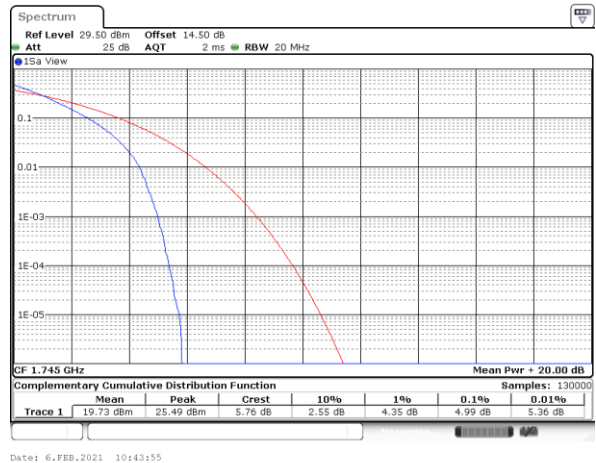
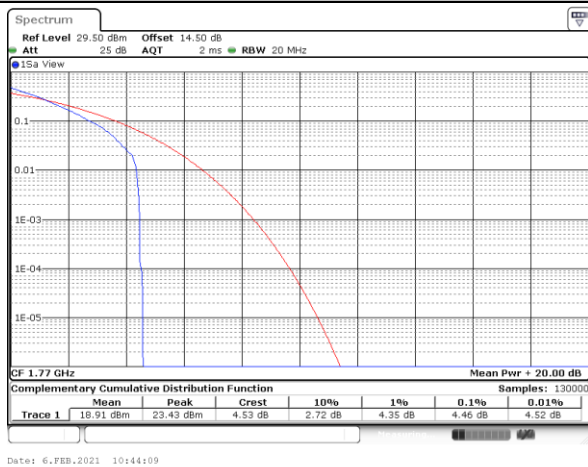
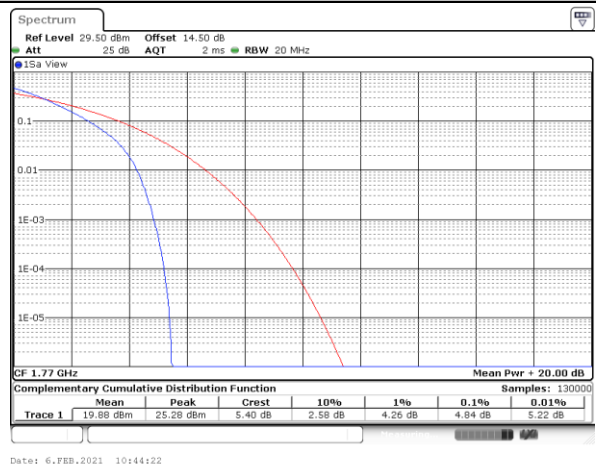
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

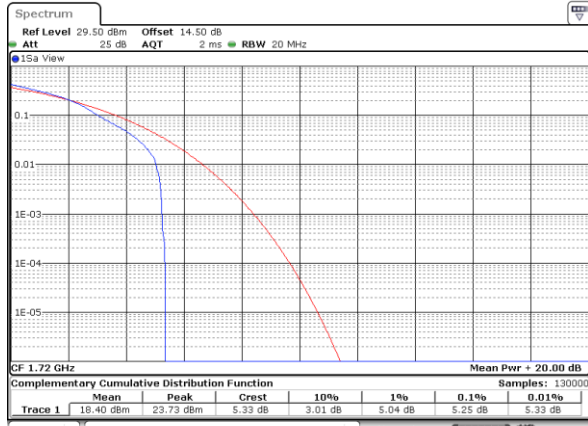
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	4.90	5.25	6.00	PASS
Middle CH	4.49	4.99	5.19	6.06	
Highest CH	4.46	4.84	4.96	5.94	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.45	5.97	-	-	PASS
Middle CH	5.42	6.00	-	-	
Highest CH	5.16	5.91	-	-	

LTE Band 66 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


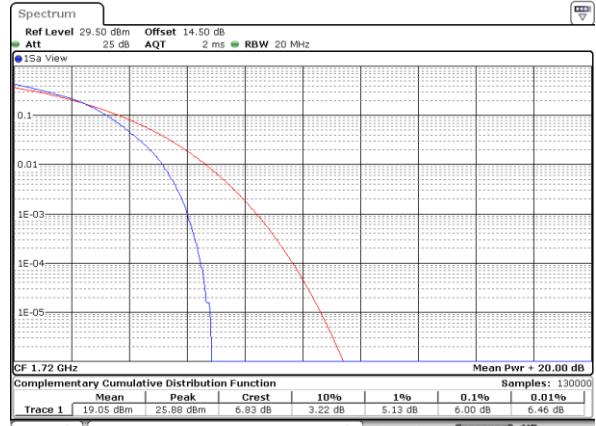


LTE Band 66 / 20MHz / 16QAM

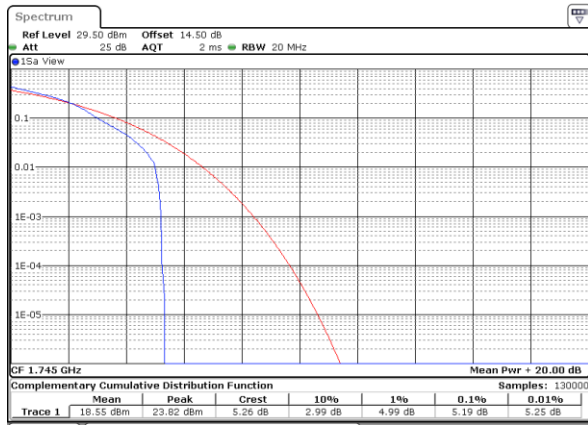
Lowest Channel / 1RB



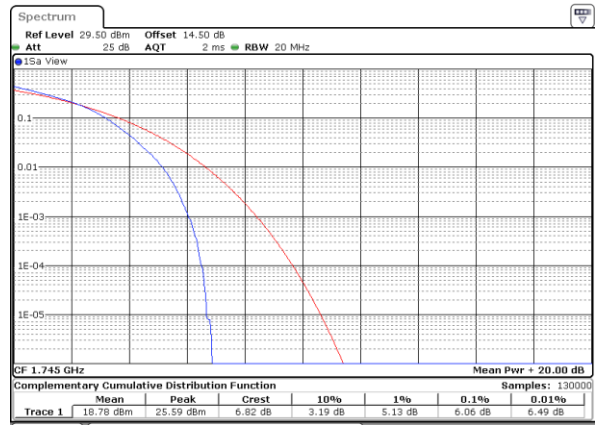
Lowest Channel / Full RB



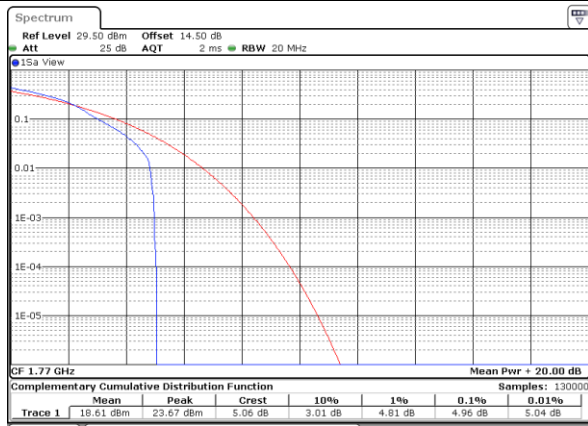
Middle Channel / 1RB



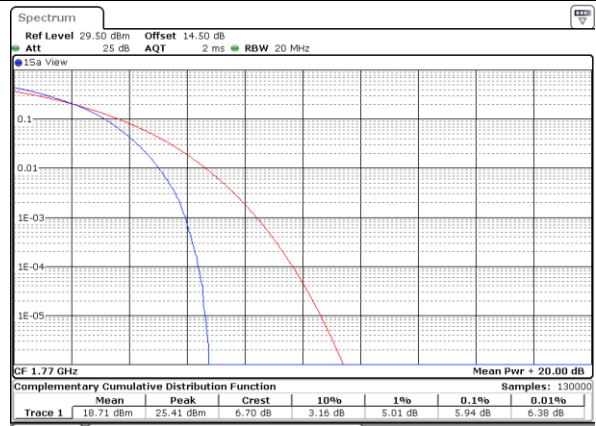
Middle Channel / Full RB

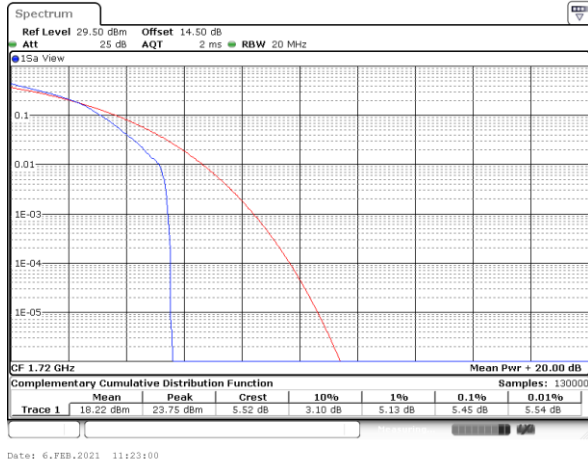
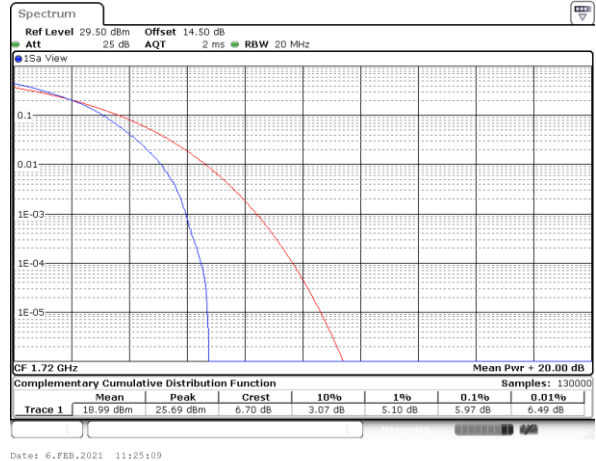
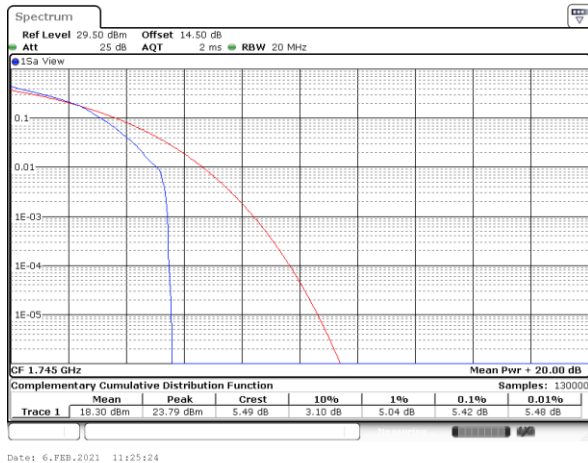
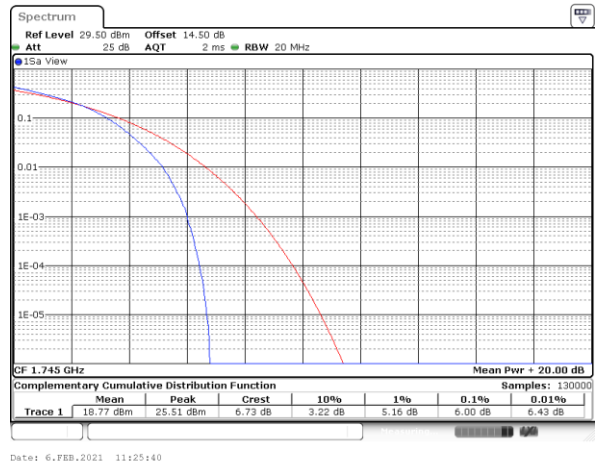
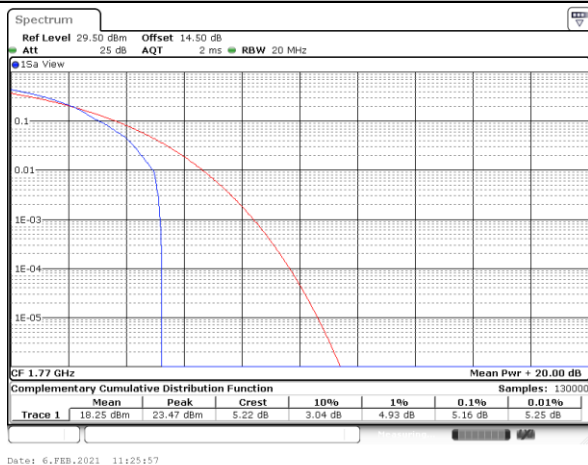
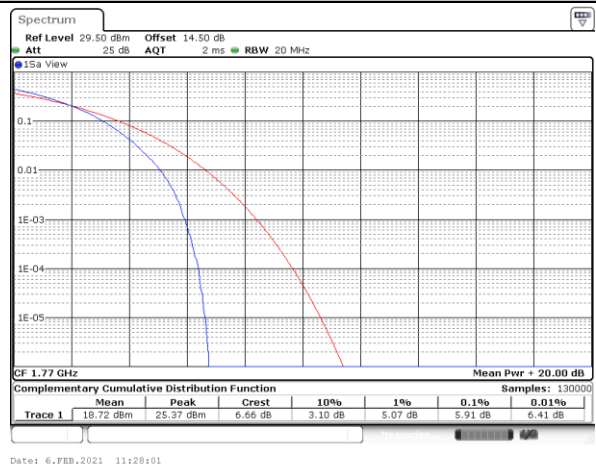


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 66 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


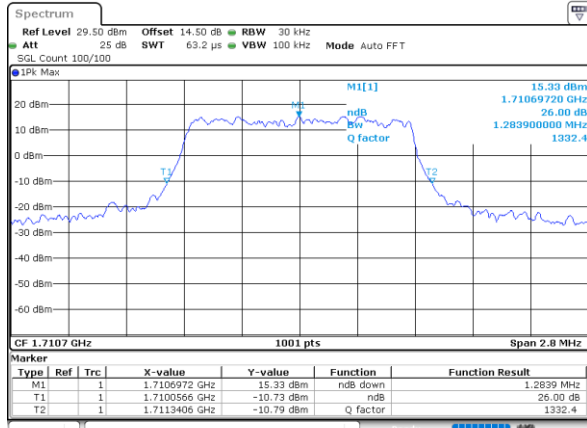
**26dB Bandwidth**

Mode	LTE Band 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	1.27	2.93	3.02	4.96	4.93	9.87	9.85	14.66	14.27	19.06	18.78
Middle CH	1.26	1.26	3.02	2.95	4.93	4.93	9.81	9.87	14.36	14.33	19.22	19.14
Highest CH	1.25	1.30	2.99	3.05	4.94	4.88	9.87	9.93	14.27	14.24	19.10	18.86
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.28	-	3.04	-	4.96	-	9.61	-	14.24	-	18.98	-
Middle CH	1.28	-	3.05	-	4.91	-	9.87	-	14.45	-	19.26	-
Highest CH	1.26	-	3.02	-	4.78	-	9.83	-	14.39	-	18.98	-



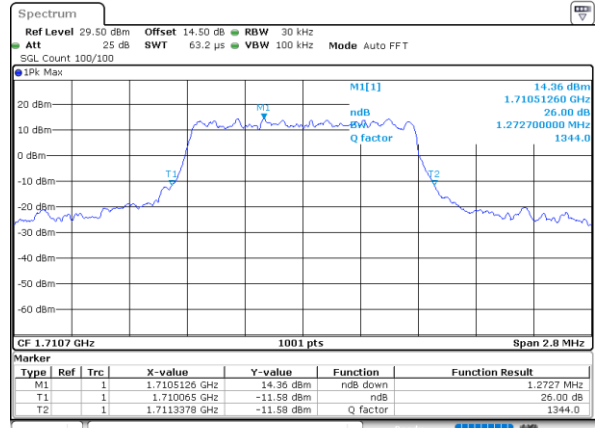
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



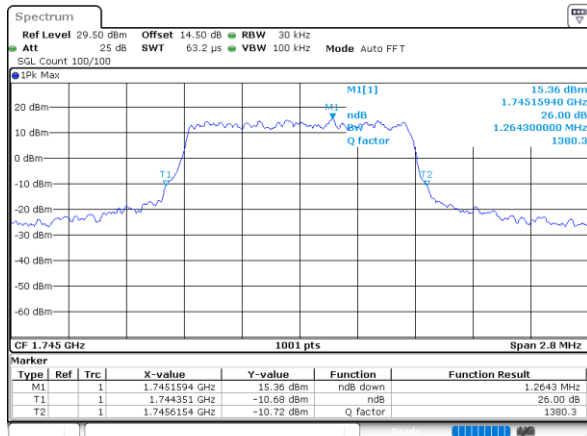
Date: 5.FEB.2021 15:33:37

Lowest Channel / 1.4MHz / 16QAM



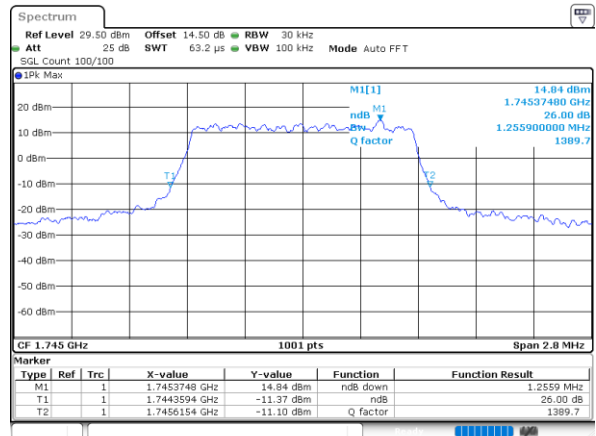
Date: 5.FEB.2021 15:36:34

Middle Channel / 1.4MHz / QPSK



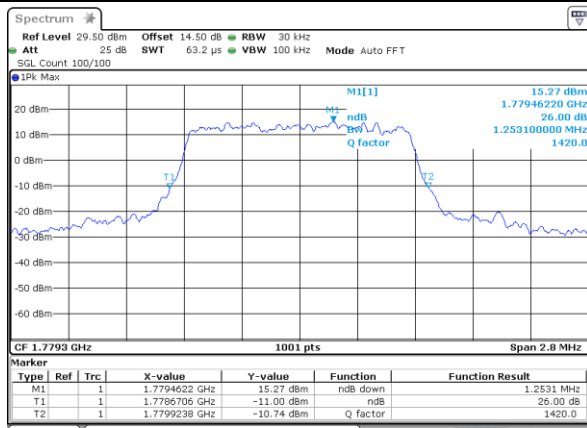
Date: 5.FEB.2021 16:04:45

Middle Channel / 1.4MHz / 16QAM



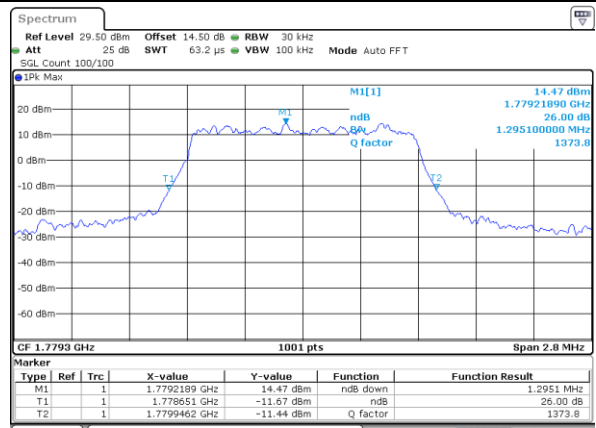
Date: 5.FEB.2021 16:04:58

Highest Channel / 1.4MHz / QPSK



Date: 5.FEB.2021 16:11:11

Highest Channel / 1.4MHz / 16QAM

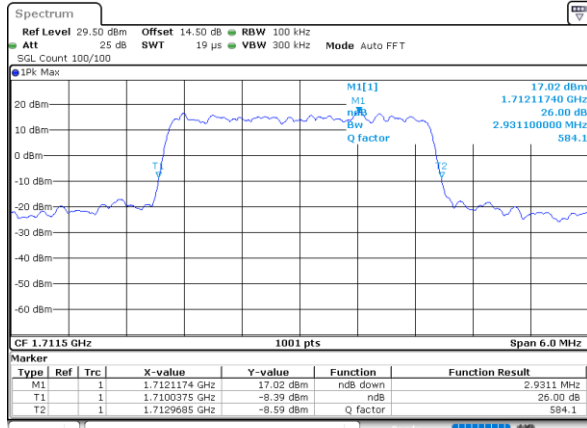


Date: 5.FEB.2021 16:09:24



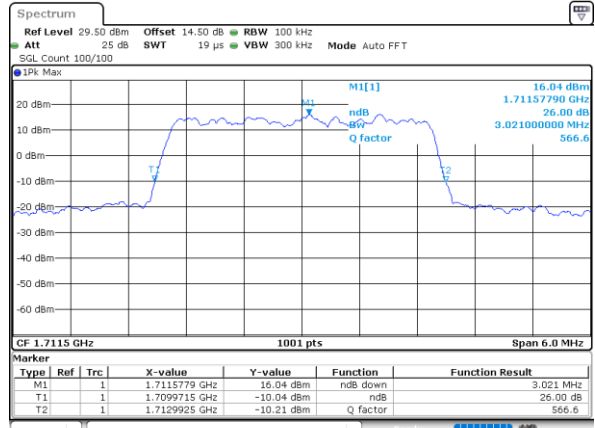
LTE Band 66

Lowest Channel / 3MHz / QPSK



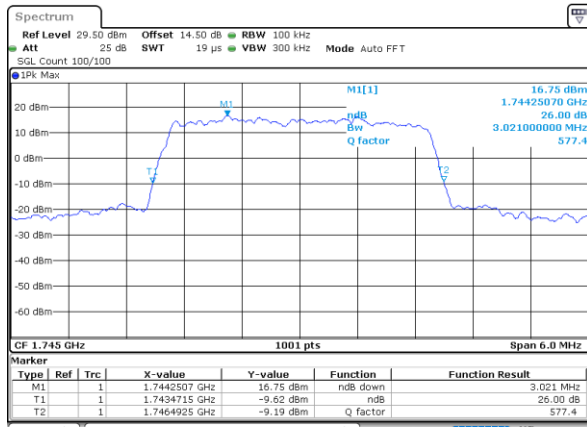
Date: 5.FEB.2021 16:26:48

Lowest Channel / 3MHz / 16QAM



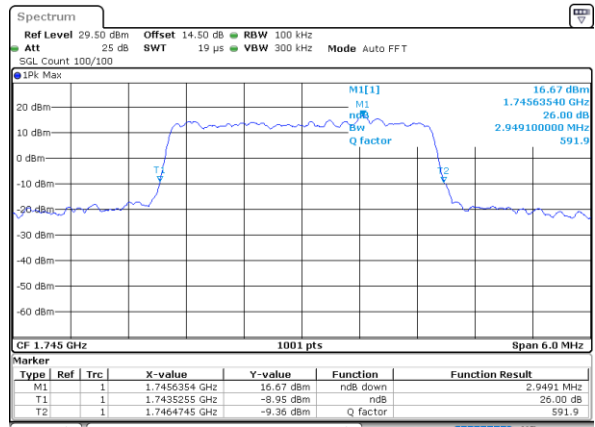
Date: 5.FEB.2021 16:29:21

Middle Channel / 3MHz / QPSK



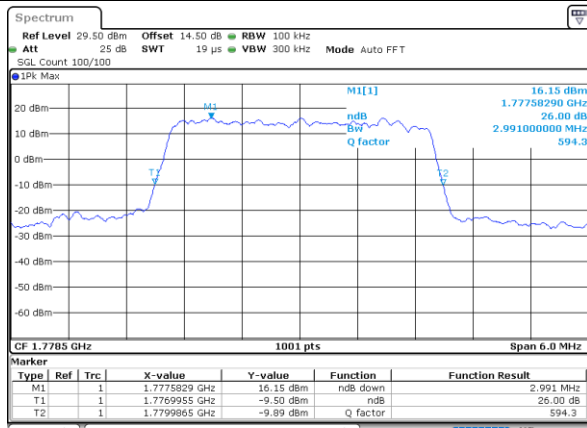
Date: 5.FEB.2021 17:22:07

Middle Channel / 3MHz / 16QAM



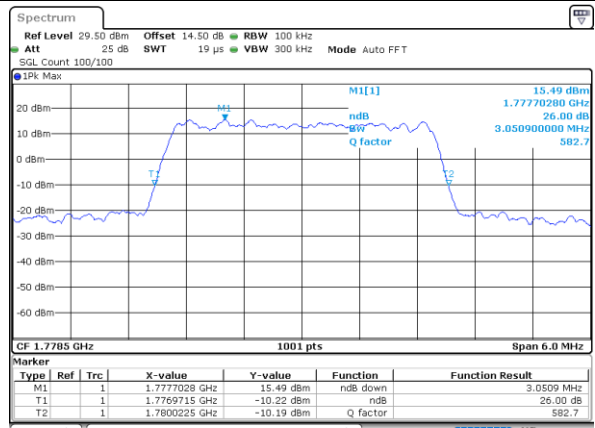
Date: 5.FEB.2021 17:21:55

Highest Channel / 3MHz / QPSK



Date: 5.FEB.2021 17:23:14

Highest Channel / 3MHz / 16QAM

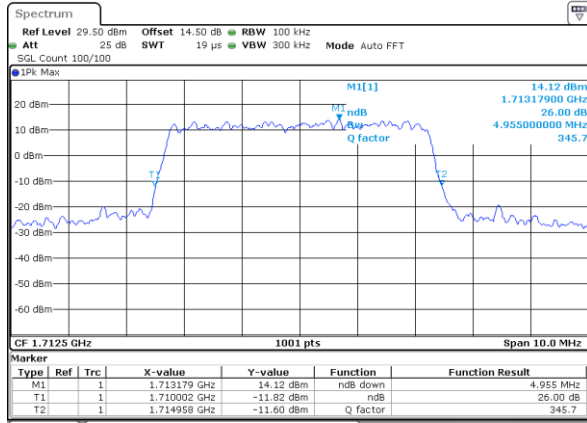


Date: 5.FEB.2021 17:26:45



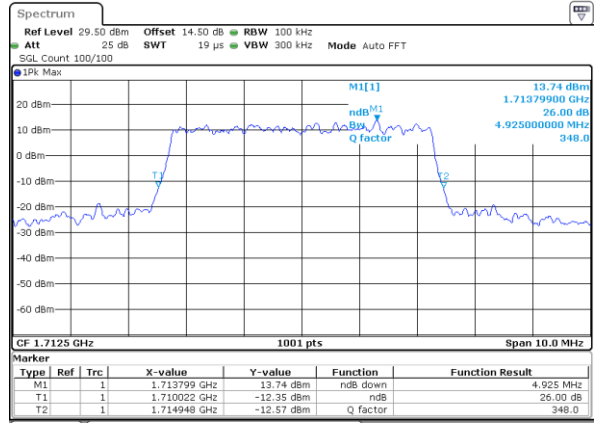
LTE Band 66

Lowest Channel / 5MHz / QPSK



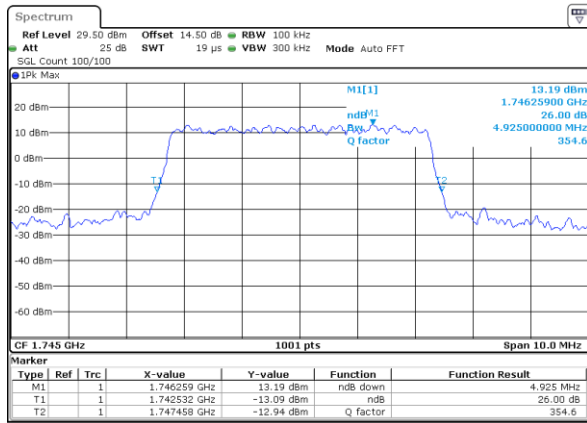
Date: 6.FEB.2021 09:29:36

Lowest Channel / 5MHz / 16QAM



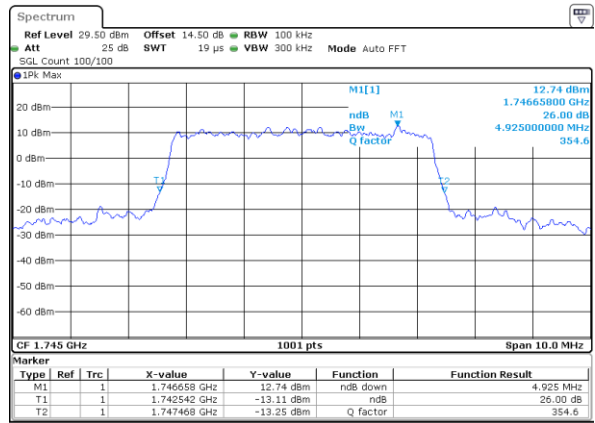
Date: 6.FEB.2021 09:29:49

Middle Channel / 5MHz / QPSK



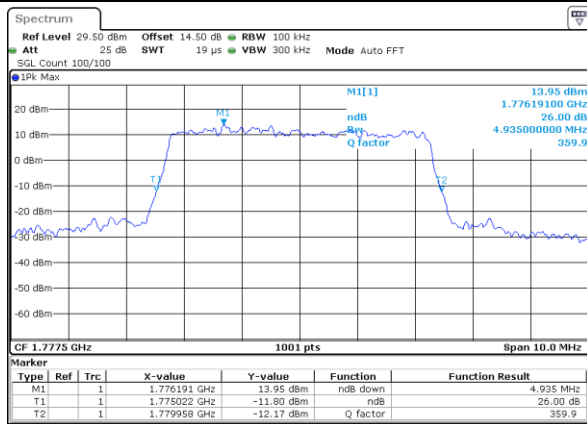
Date: 6.FEB.2021 09:36:55

Middle Channel / 5MHz / 16QAM



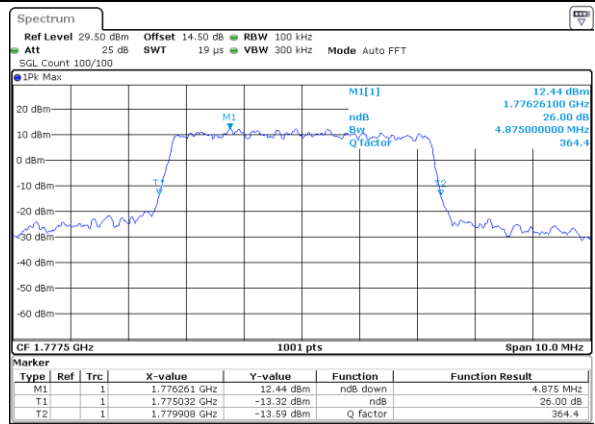
Date: 6.FEB.2021 09:37:08

Highest Channel / 5MHz / QPSK



Date: 6.FEB.2021 09:39:46

Highest Channel / 5MHz / 16QAM

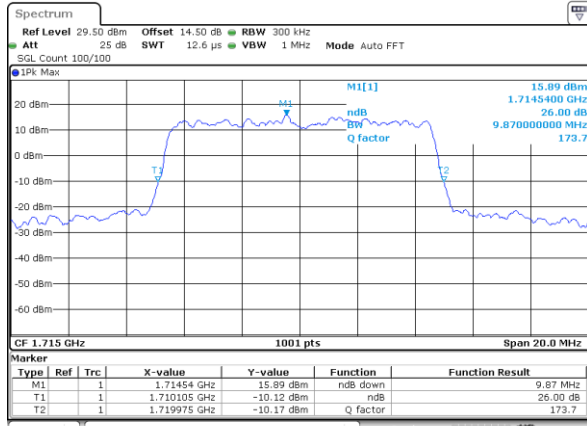


Date: 6.FEB.2021 09:39:59

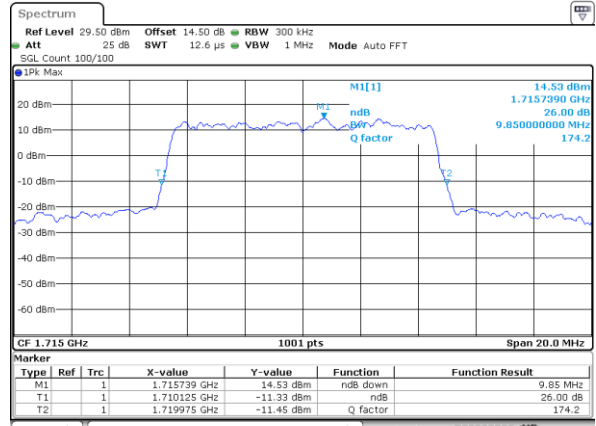


LTE Band 66

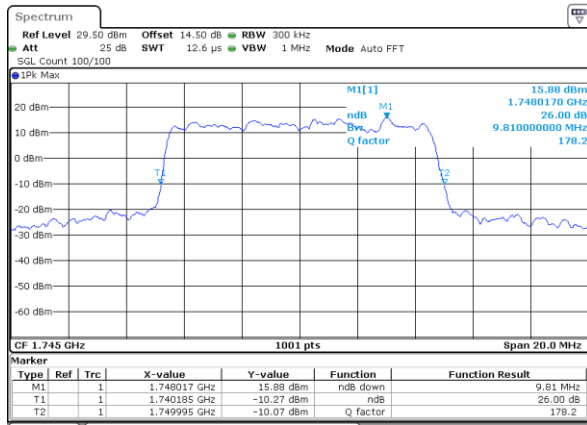
Lowest Channel / 10MHz / QPSK



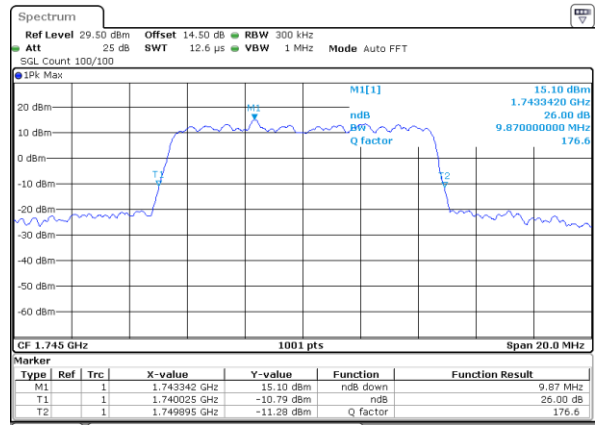
Lowest Channel / 10MHz / 16QAM



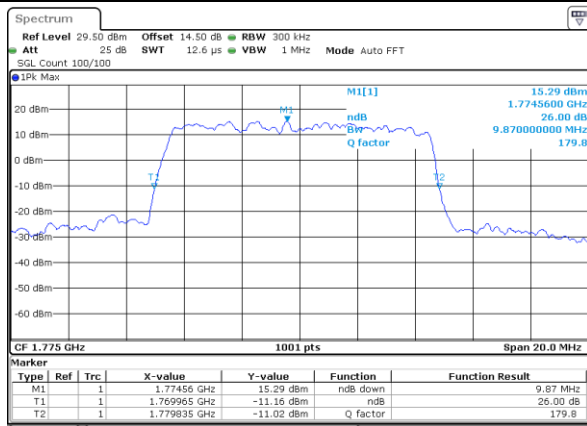
Middle Channel / 10MHz / QPSK



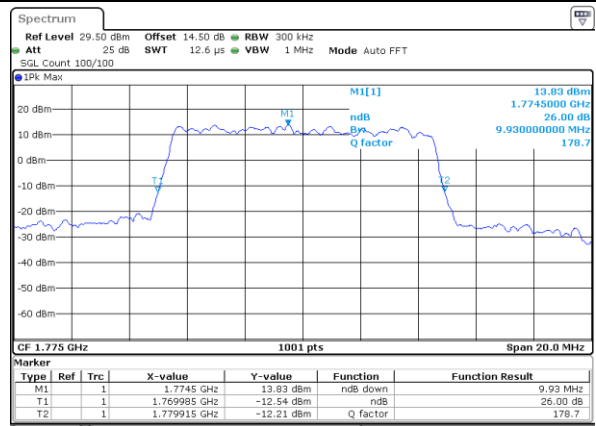
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



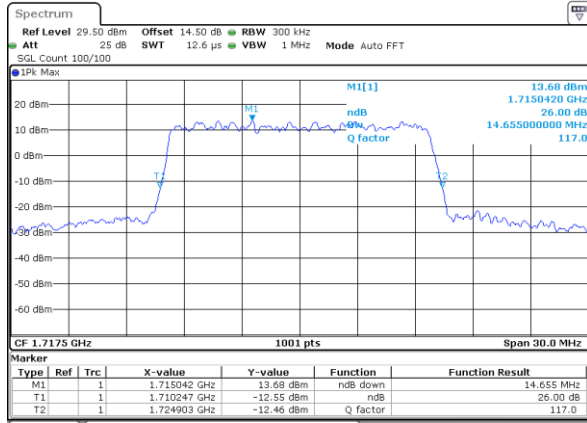
Highest Channel / 10MHz / 16QAM



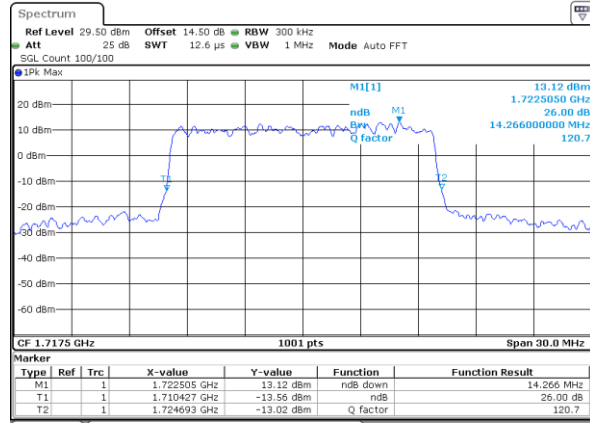


LTE Band 66

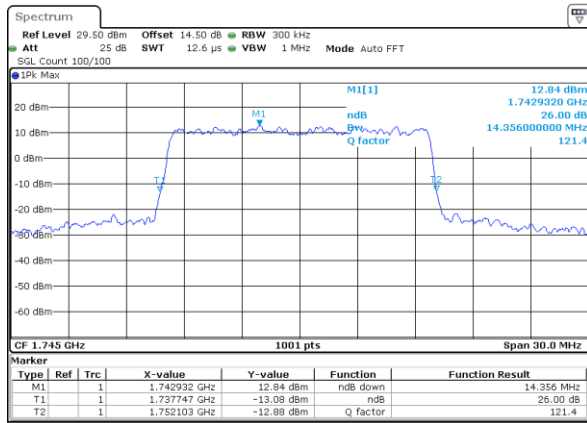
Lowest Channel / 15MHz / QPSK



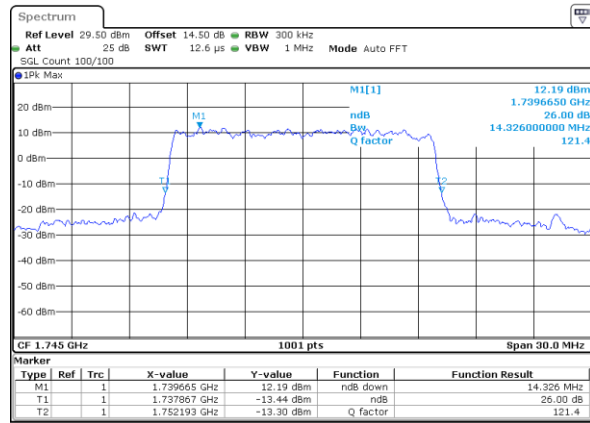
Lowest Channel / 15MHz / 16QAM



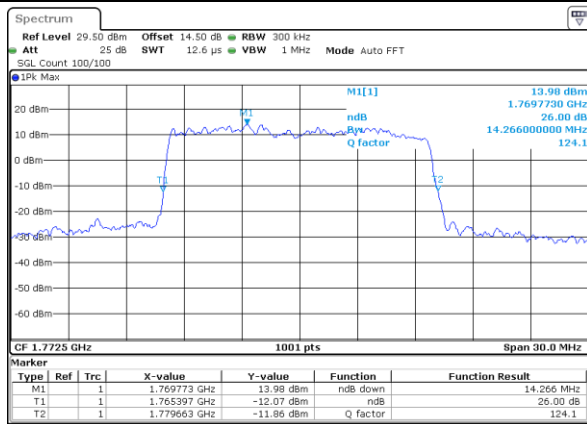
Middle Channel / 15MHz / QPSK



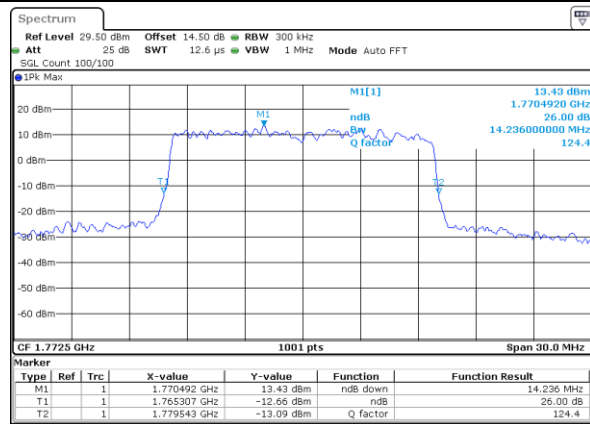
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



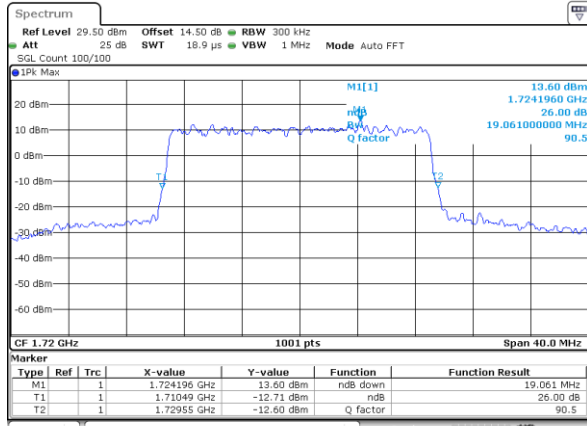
Highest Channel / 15MHz / 16QAM



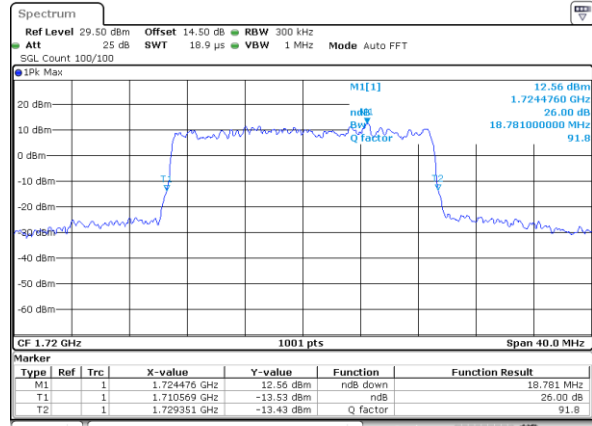


LTE Band 66

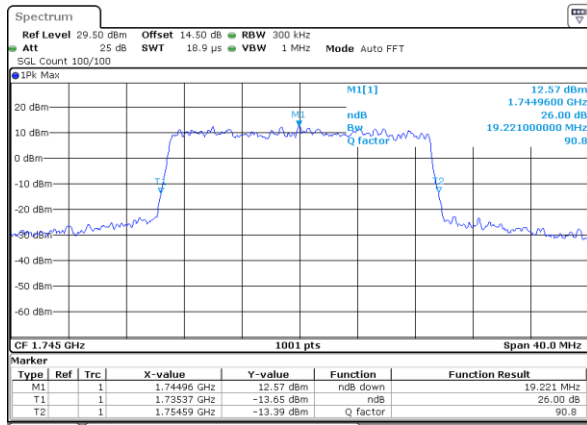
Lowest Channel / 20MHz / QPSK



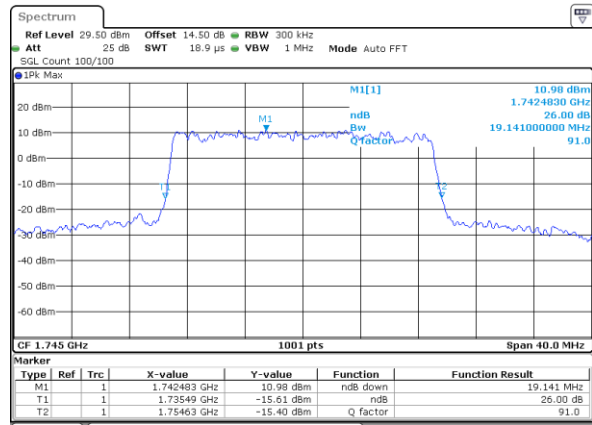
Lowest Channel / 20MHz / 16QAM



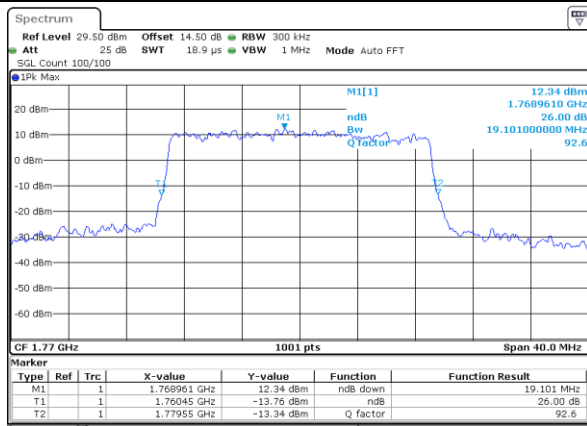
Middle Channel / 20MHz / QPSK



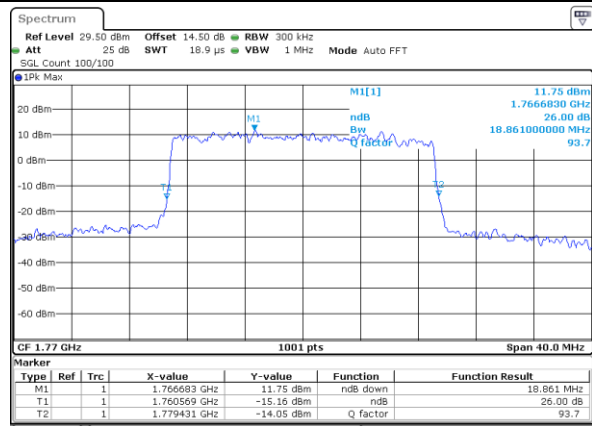
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



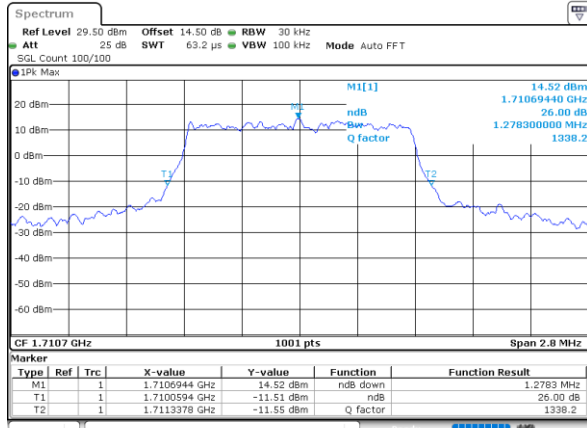
Highest Channel / 20MHz / 16QAM





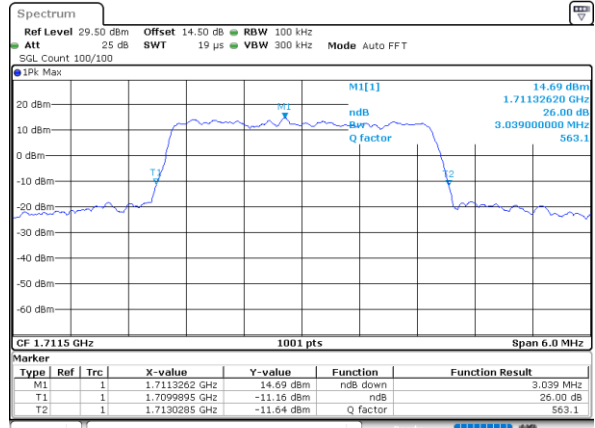
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



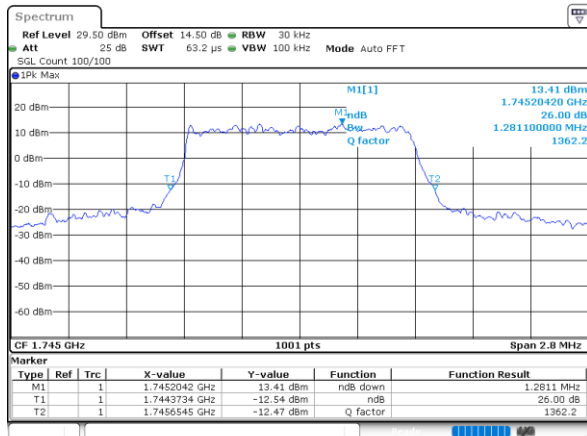
Date: 5.FEB.2021 15:38:03

Lowest Channel / 3MHz / 64QAM



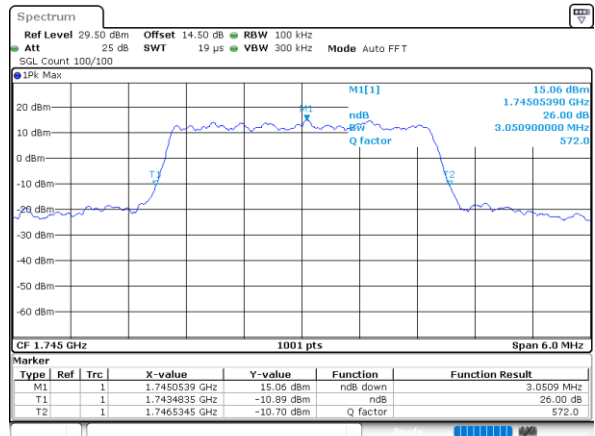
Date: 5.FEB.2021 16:37:48

Middle Channel / 20MHz / 64QAM



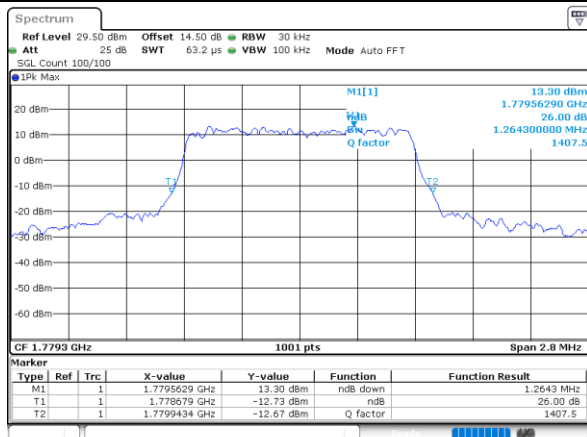
Date: 5.FEB.2021 16:05:14

Middle Channel / 3MHz / 64QAM



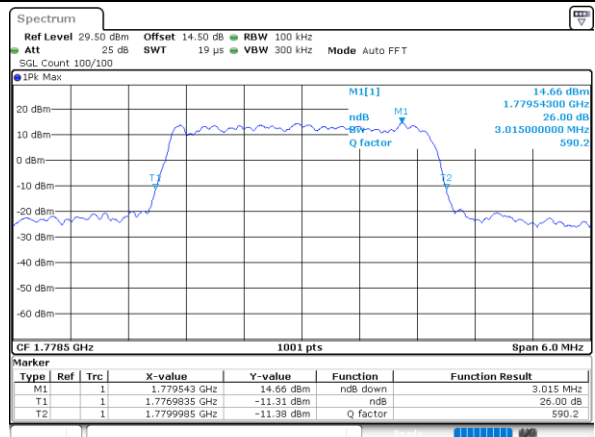
Date: 5.FEB.2021 17:21:44

Highest Channel / 20MHz / 64QAM



Date: 5.FEB.2021 16:05:41

Highest Channel / 3MHz / 64QAM

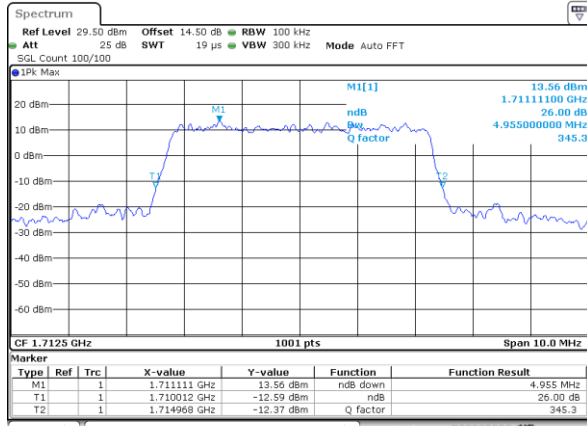


Date: 5.FEB.2021 17:30:42

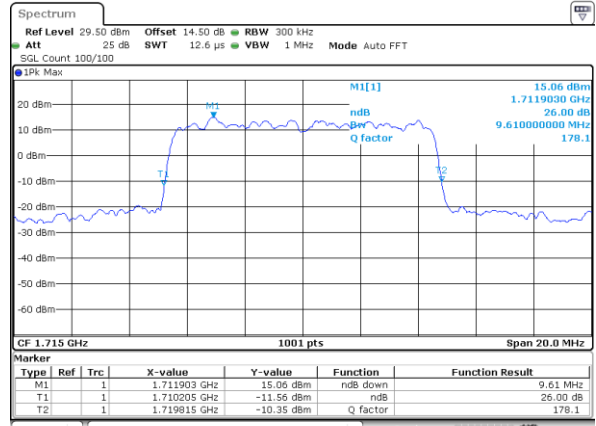


LTE Band 66

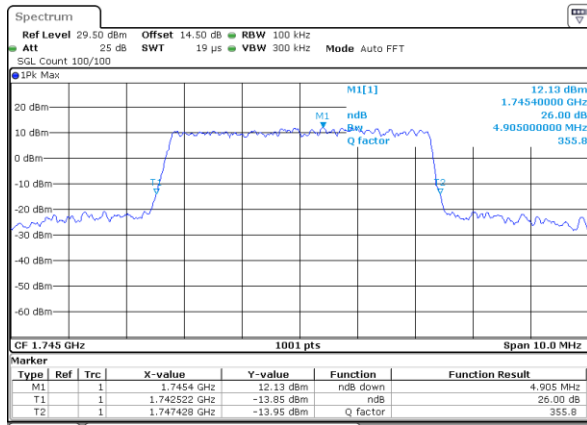
Lowest Channel / 5MHz / 64QAM



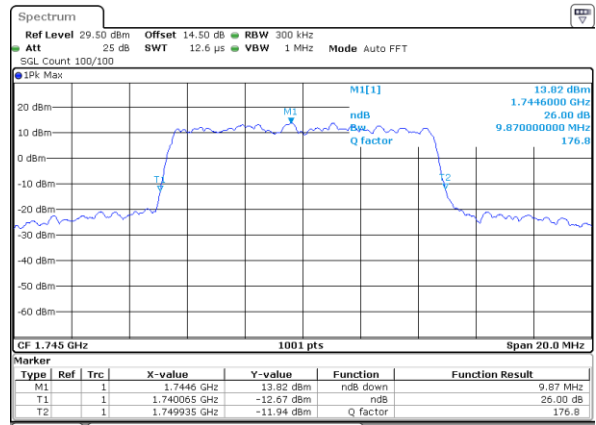
Lowest Channel / 10MHz / 64QAM



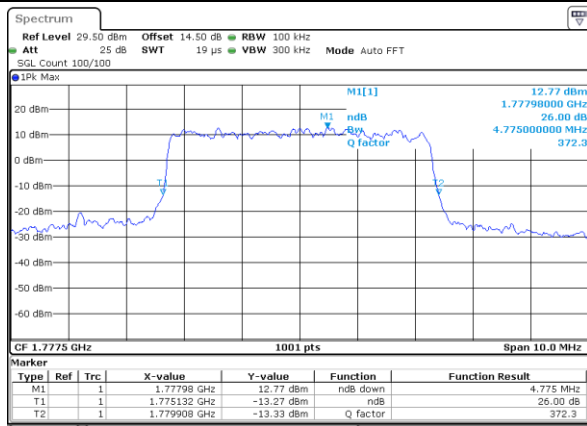
Middle Channel / 5MHz / 64QAM



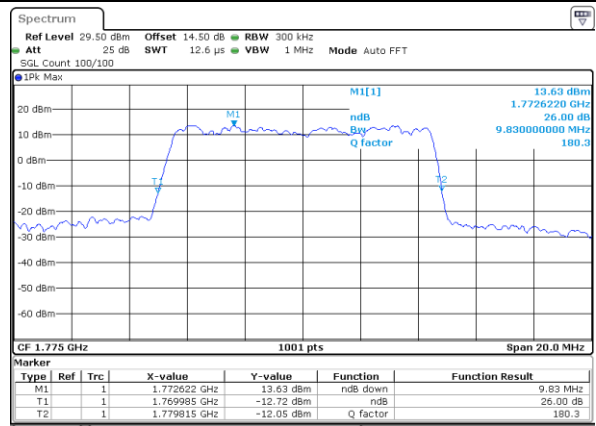
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



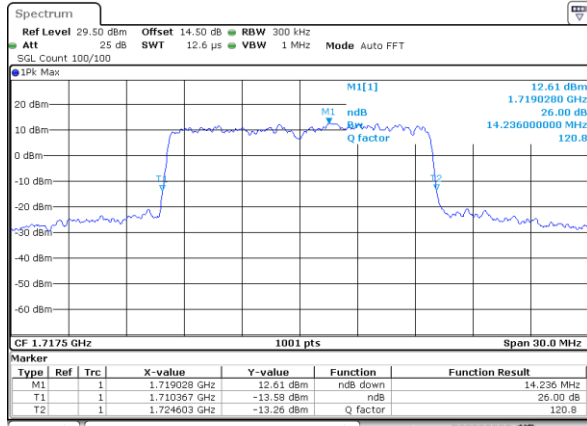
Highest Channel / 10MHz / 64QAM





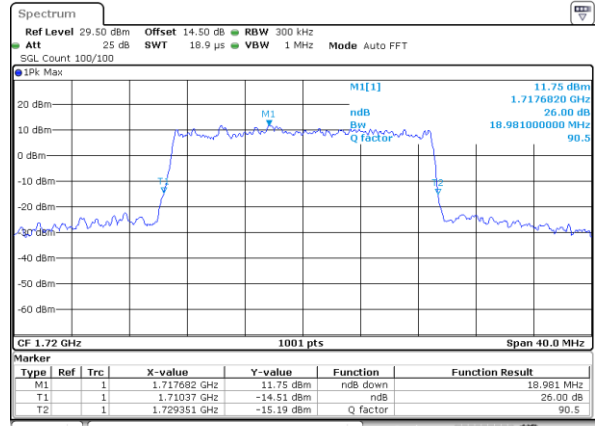
LTE Band 66

Lowest Channel / 15MHz / 64QAM



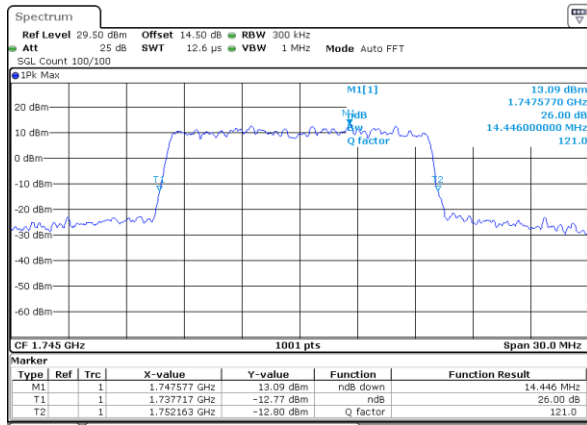
Date: 6.FEB.2021 11:04:27

Lowest Channel / 20MHz / 64QAM



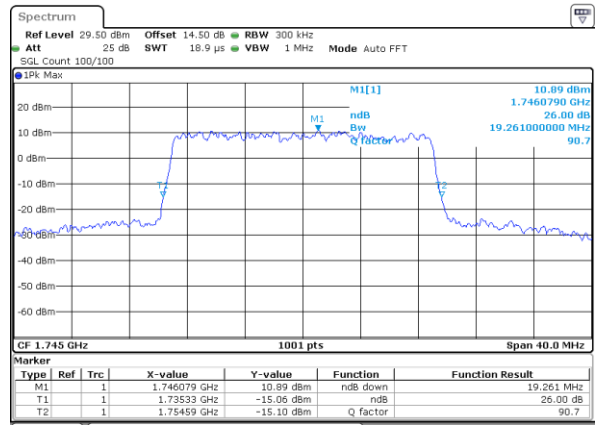
Date: 6.FEB.2021 11:13:13

Middle Channel / 15MHz / 64QAM



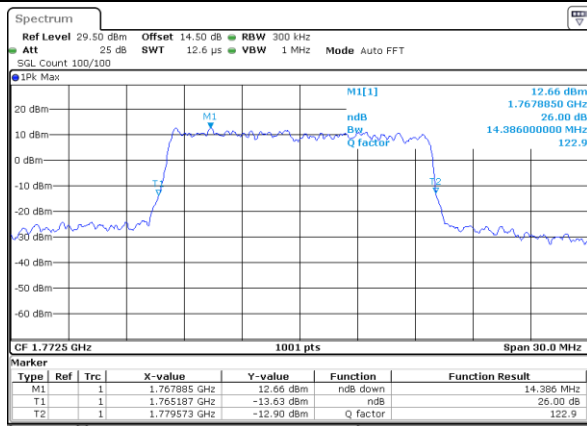
Date: 6.FEB.2021 11:08:06

Middle Channel / 20MHz / 64QAM



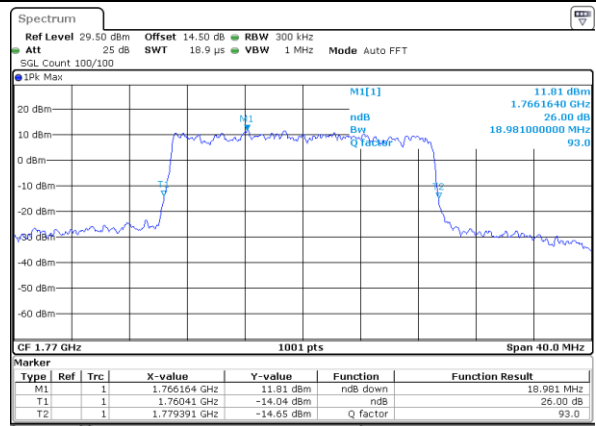
Date: 6.FEB.2021 11:16:54

Highest Channel / 15MHz / 64QAM



Date: 6.FEB.2021 11:09:32

Highest Channel / 20MHz / 64QAM



Date: 6.FEB.2021 11:18:20

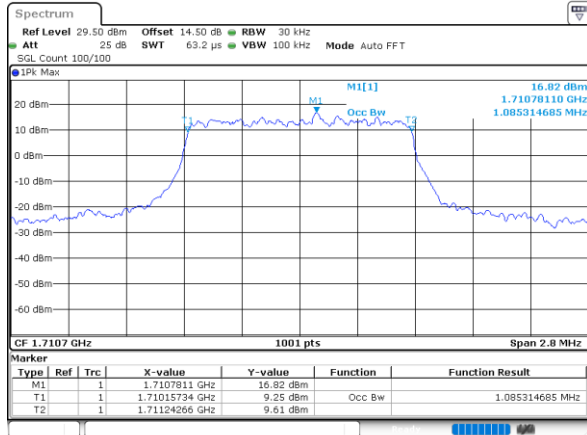
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	2.73	2.74	4.49	4.48	9.01	8.99	13.49	13.40	17.98	17.94
Middle CH	1.09	1.10	2.69	2.72	4.51	4.51	9.03	8.99	13.43	13.43	17.86	17.94
Highest CH	1.09	1.10	2.71	2.72	4.50	4.47	8.99	9.03	13.37	13.40	17.86	17.90
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.73	-	4.50	-	8.93	-	13.49	-	17.86	-
Middle CH	1.10	-	2.73	-	4.50	-	9.05	-	13.40	-	17.82	-
Highest CH	1.09	-	2.72	-	4.50	-	9.07	-	13.31	-	17.82	-

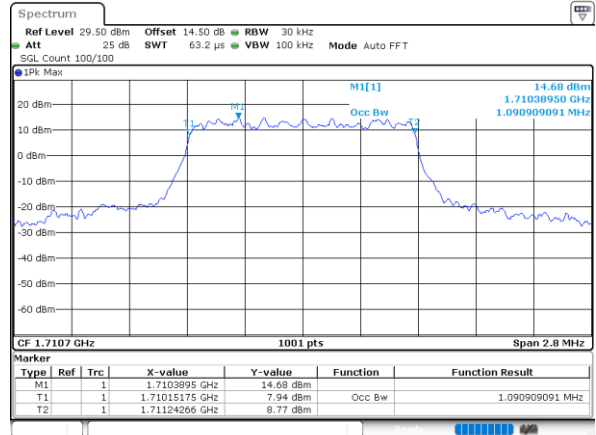


LTE Band 66

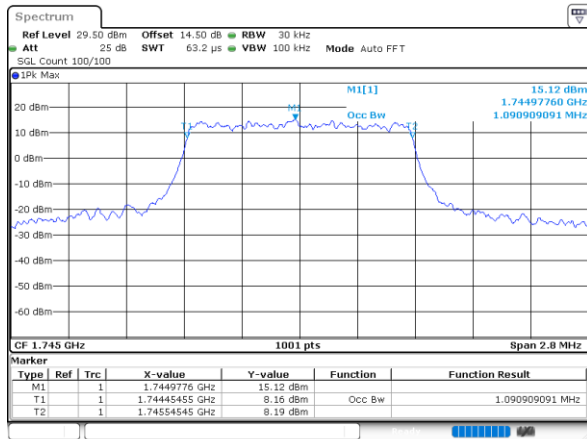
Lowest Channel / 1.4MHz / QPSK



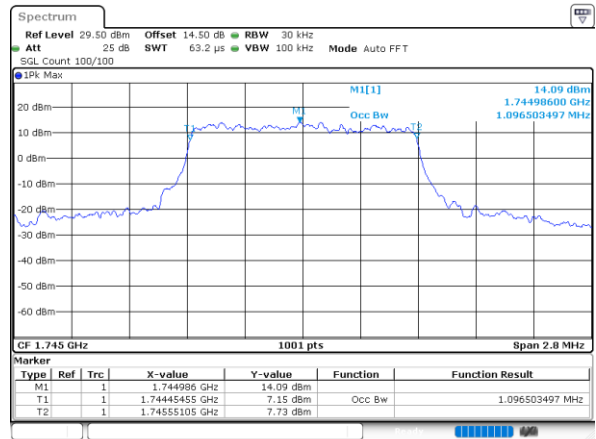
Lowest Channel / 1.4MHz / 16QAM



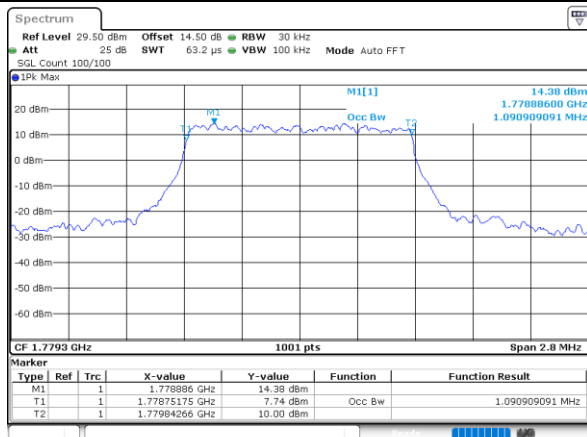
Middle Channel / 1.4MHz / QPSK



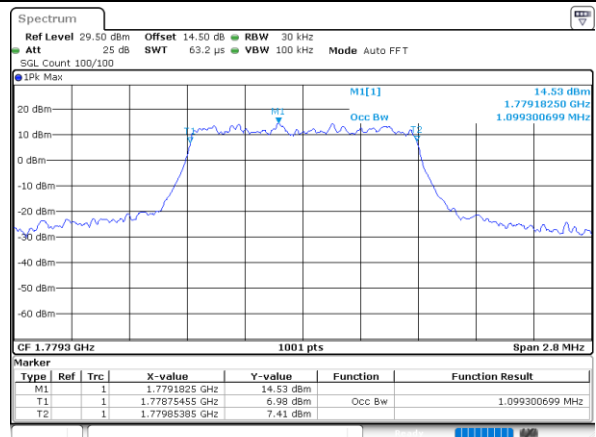
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



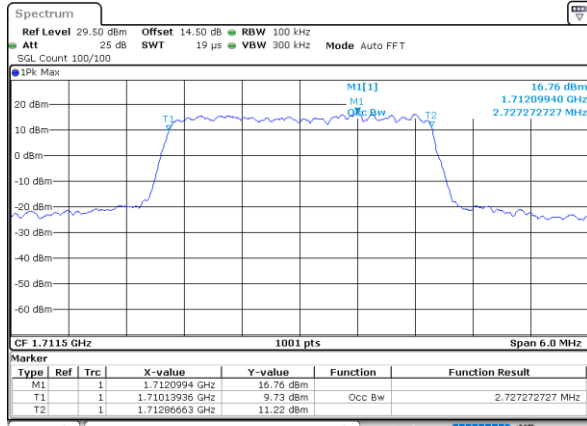
Highest Channel / 1.4MHz / 16QAM





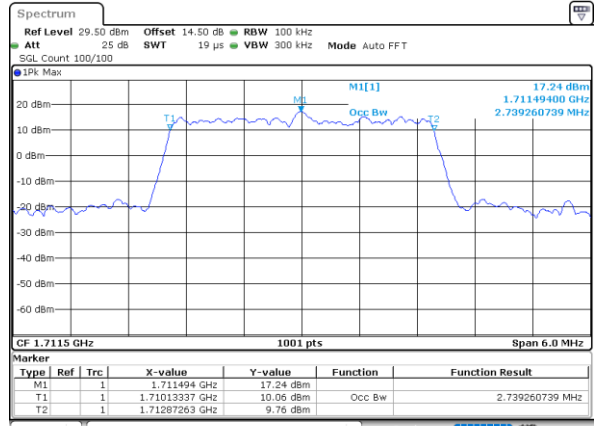
LTE Band 66

Lowest Channel / 3MHz / QPSK



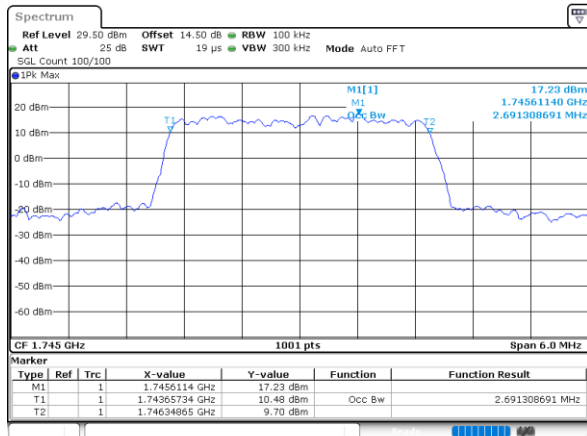
Date: 5.FEB.2021 16:26:43

Lowest Channel / 3MHz / 16QAM



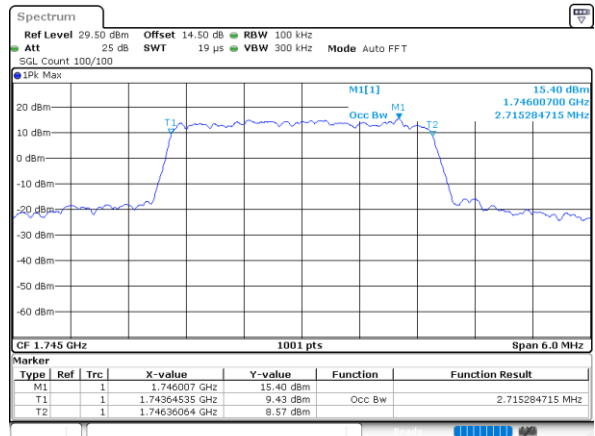
Date: 5.FEB.2021 16:29:16

Middle Channel / 3MHz / QPSK



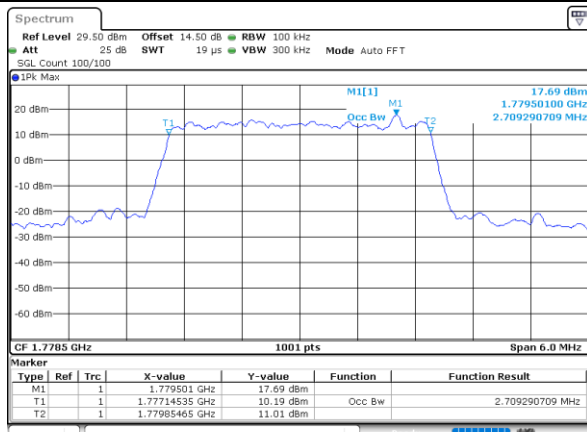
Date: 5.FEB.2021 17:22:02

Middle Channel / 3MHz / 16QAM



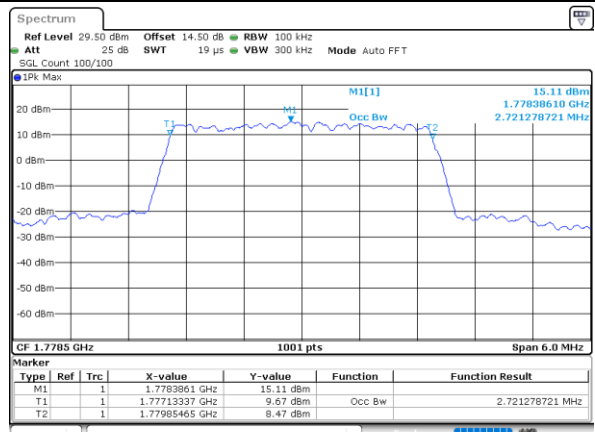
Date: 5.FEB.2021 17:21:51

Highest Channel / 3MHz / QPSK



Date: 5.FEB.2021 17:23:08

Highest Channel / 3MHz / 16QAM



Date: 5.FEB.2021 17:26:40