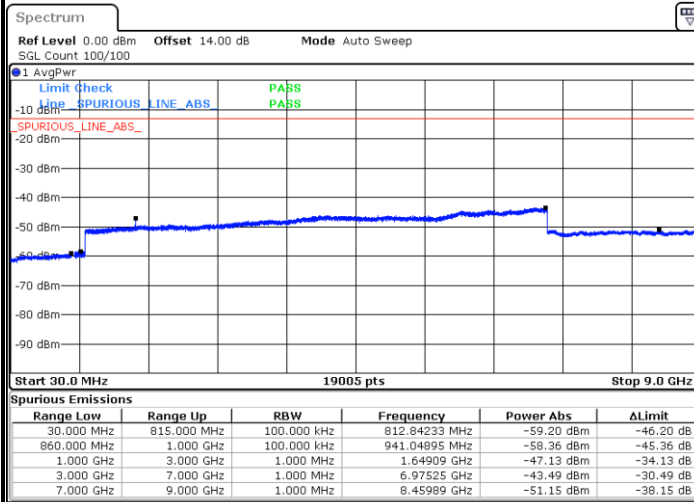




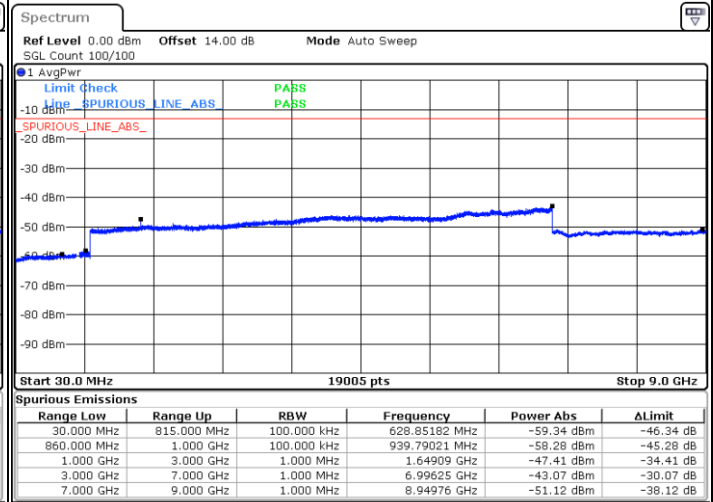
LTE Band 26 / 5MHz

Lowest Channel / QPSK



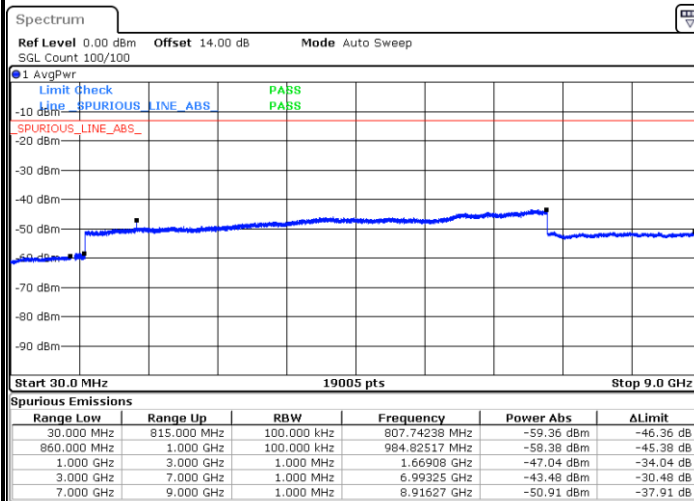
Date: 18 DEC 2021 01:47:34

Lowest Channel / 16QAM



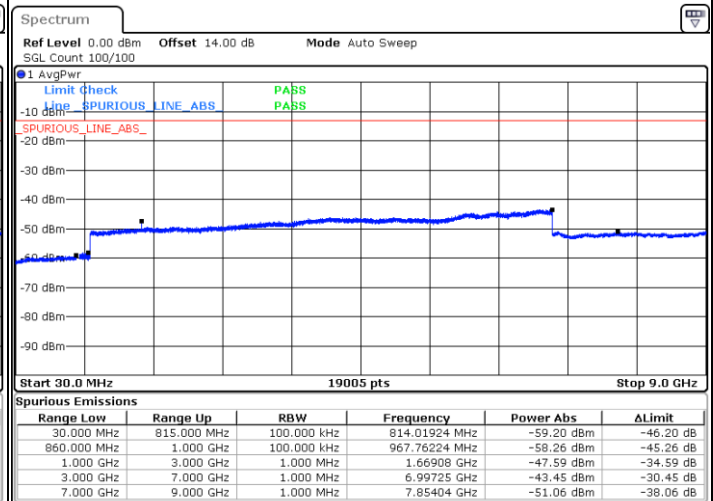
Date: 18 DEC 2021 01:48:48

Middle Channel / QPSK



Date: 18 DEC 2021 01:50:46

Middle Channel / 16QAM

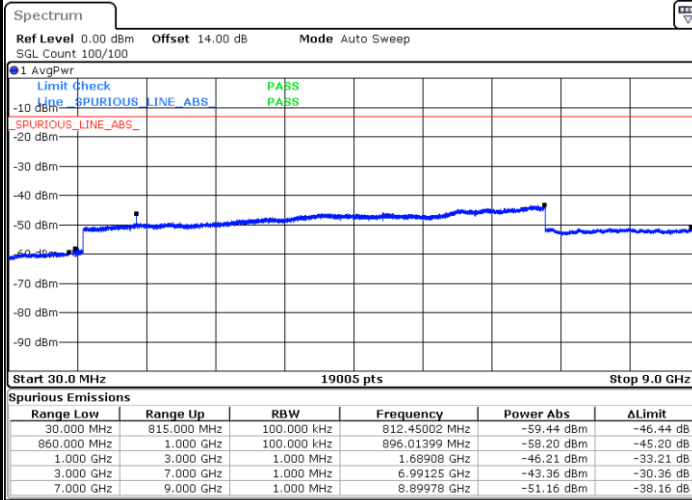


Date: 18 DEC 2021 01:52:00



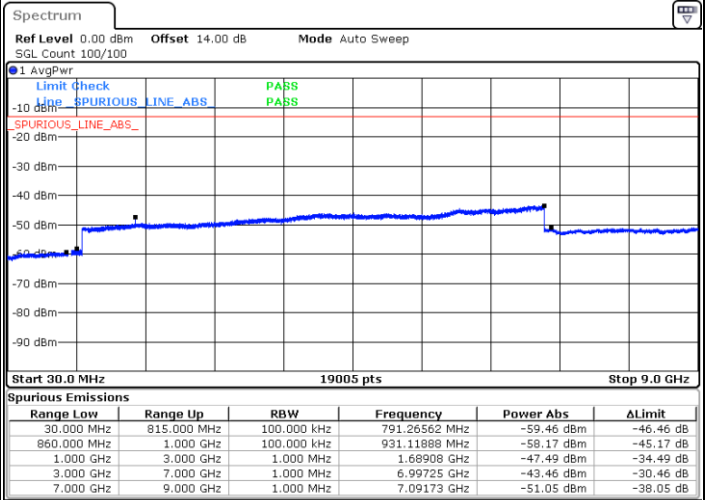
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 18 DEC 2021 02:01:13

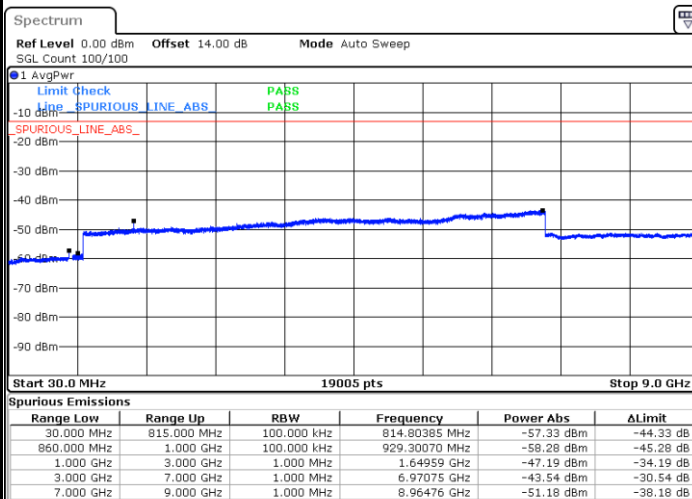
Highest Channel / 16QAM



Date: 18 DEC 2021 02:02:27

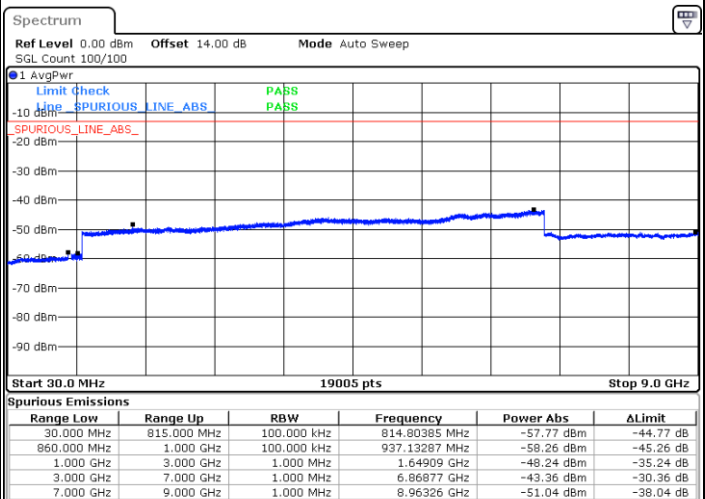
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 18 DEC 2021 02:11:40

Lowest Channel / 16QAM

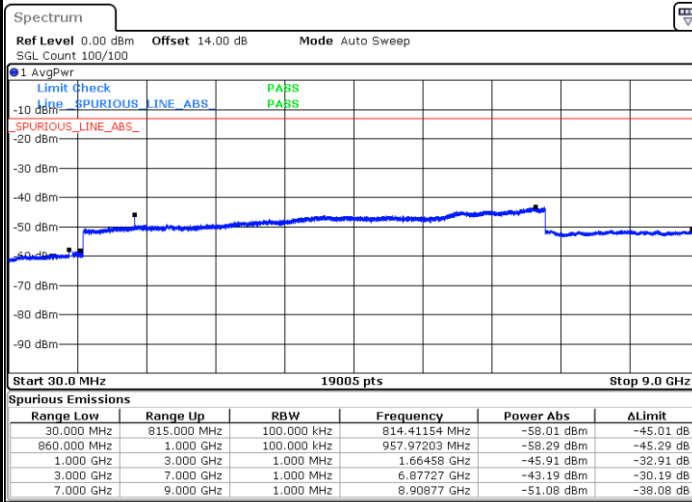


Date: 18 DEC 2021 02:12:54



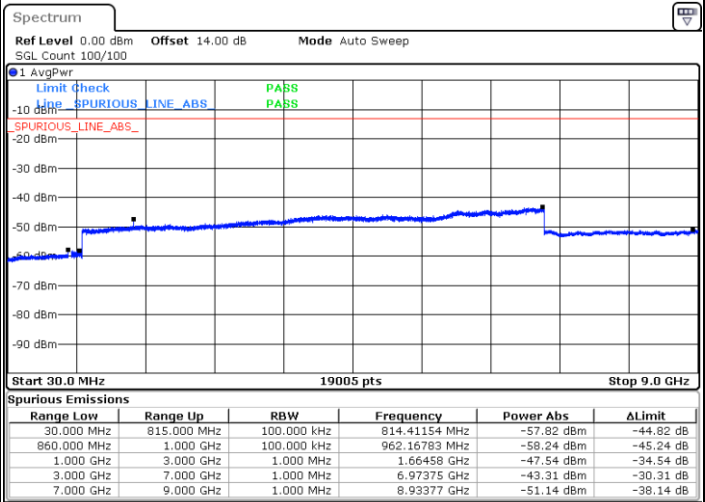
LTE Band 26 / 10MHz

Middle Channel / QPSK



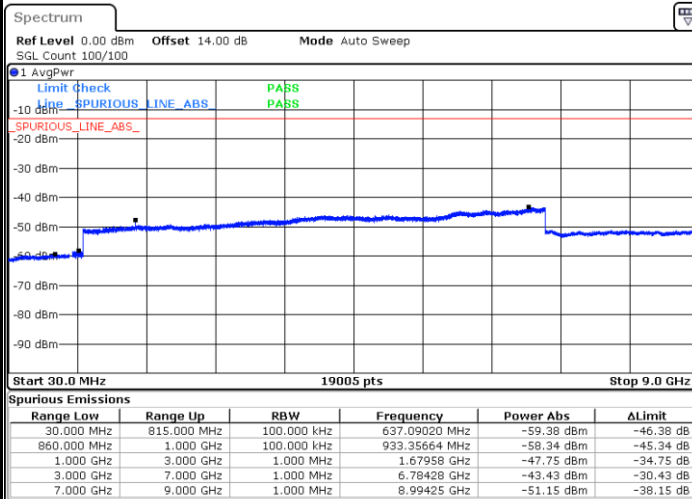
Date: 18 DEC 2021 02:14:51

Middle Channel / 16QAM



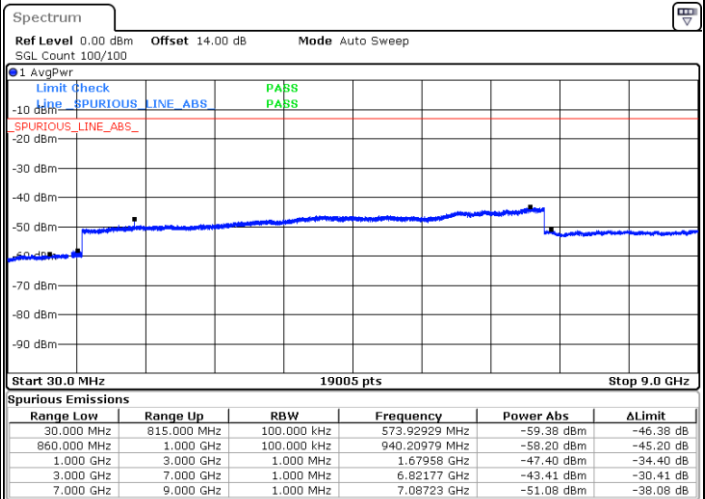
Date: 18 DEC 2021 02:16:05

Highest Channel / QPSK



Date: 18 DEC 2021 02:25:18

Highest Channel / 16QAM

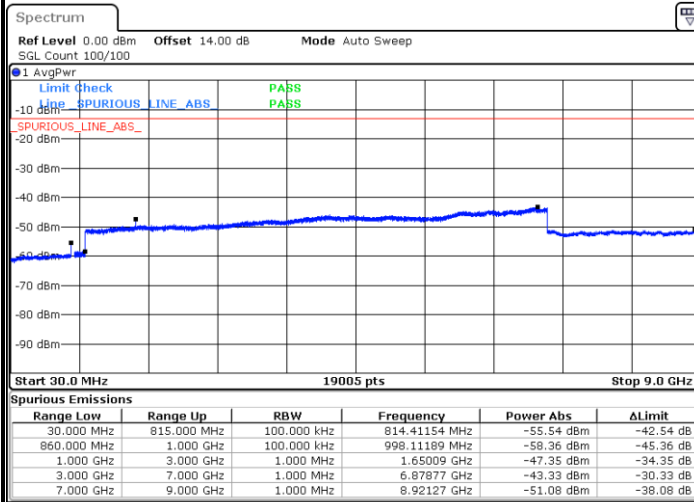


Date: 18 DEC 2021 02:26:32



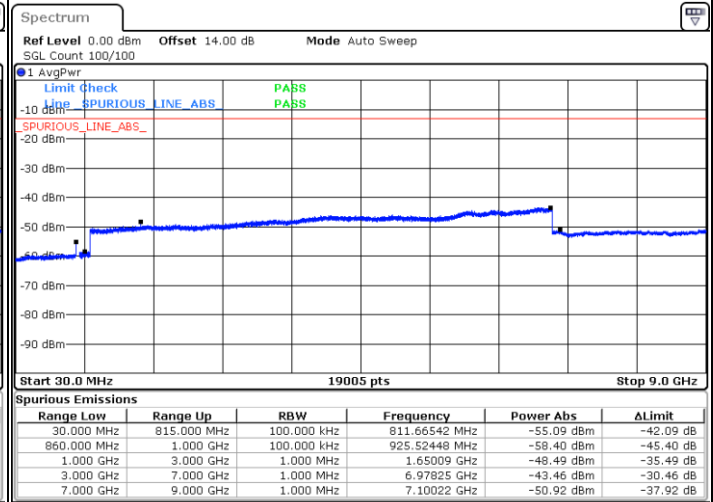
LTE Band 26 / 15MHz

Lowest Channel / QPSK



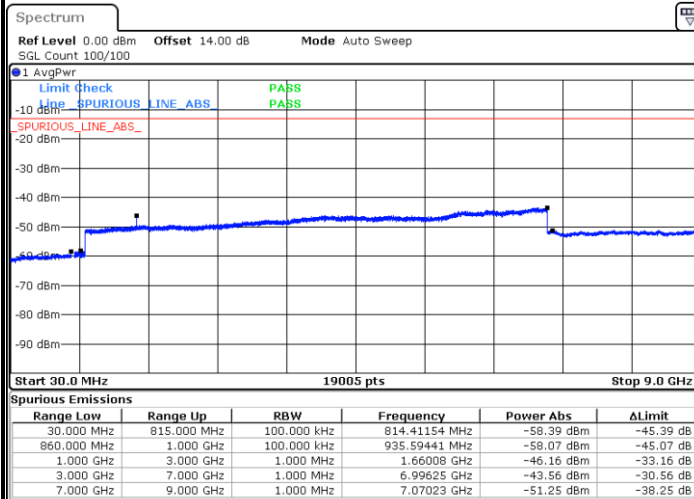
Date: 18 DEC 2021 02:35:45

Lowest Channel / 16QAM



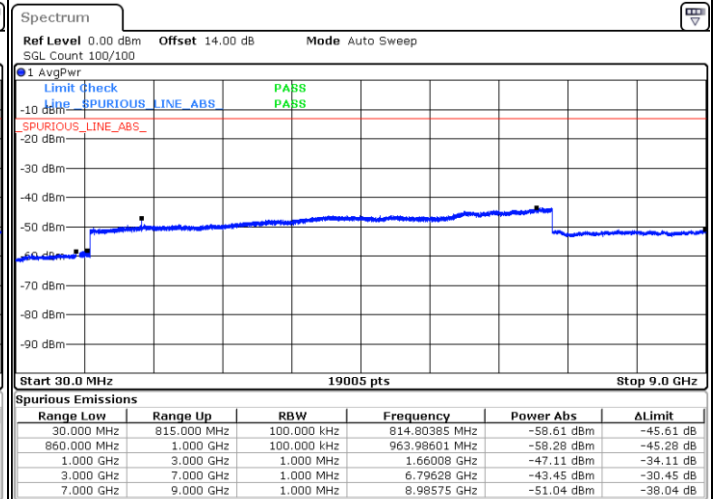
Date: 18 DEC 2021 02:37:00

Middle Channel / QPSK



Date: 18 DEC 2021 02:38:57

Middle Channel / 16QAM

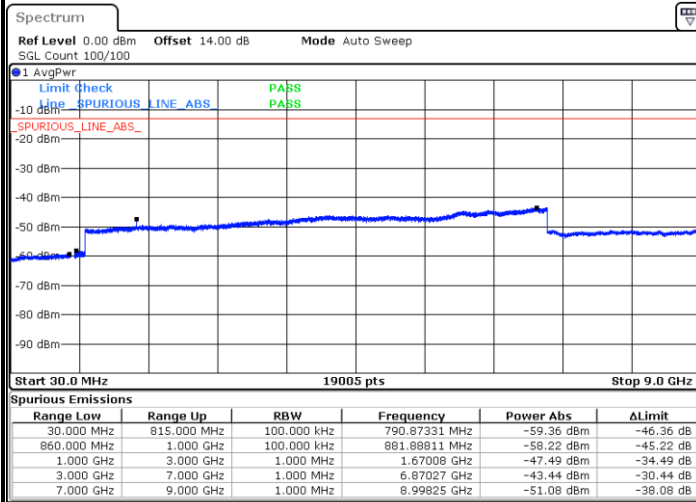


Date: 18 DEC 2021 02:40:11



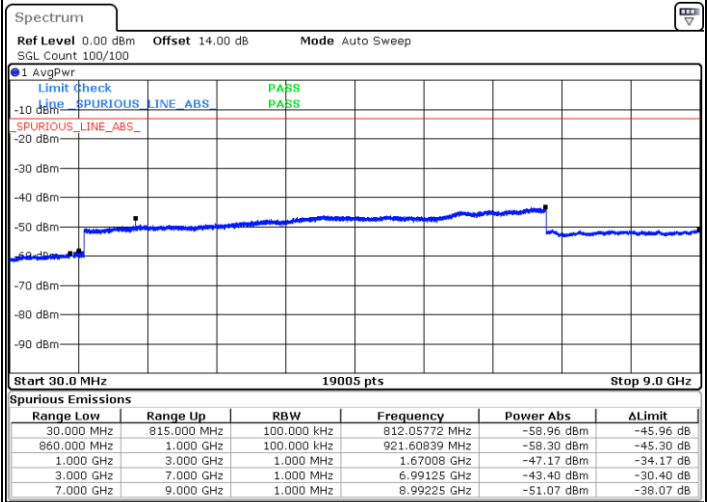
LTE Band 26 / 15MHz

Highest Channel / QPSK



Date: 18 DEC 2021 02:49:25

Highest Channel / 16QAM

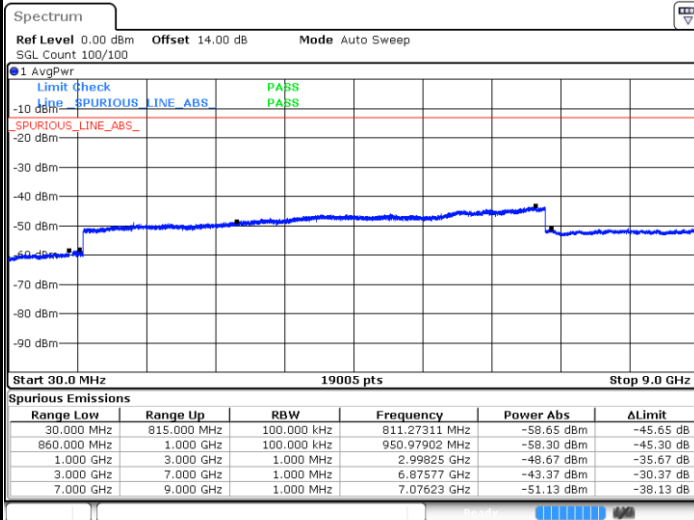


Date: 18 DEC 2021 02:50:39



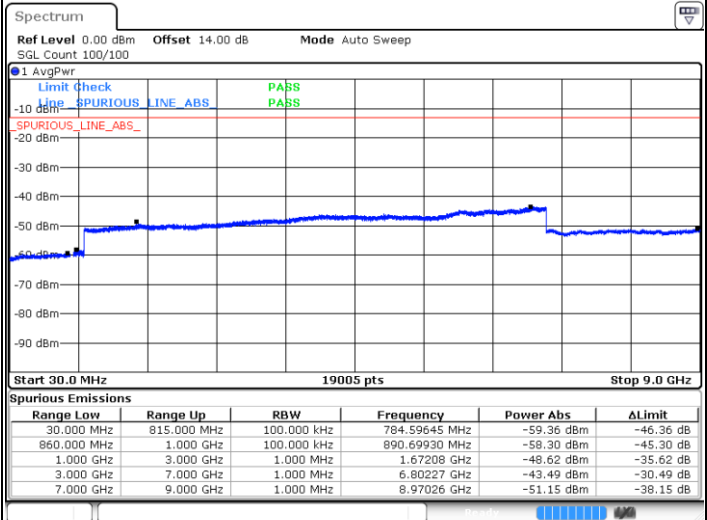
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



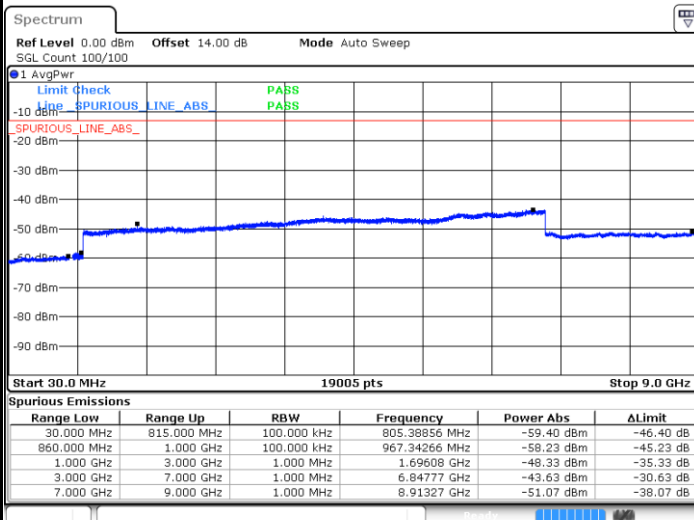
Date: 19 DEC 2021 13:53:20

Middle Channel / 64QAM



Date: 19 DEC 2021 13:55:10

Highest Channel / 64QAM



Date: 19 DEC 2021 14:00:46

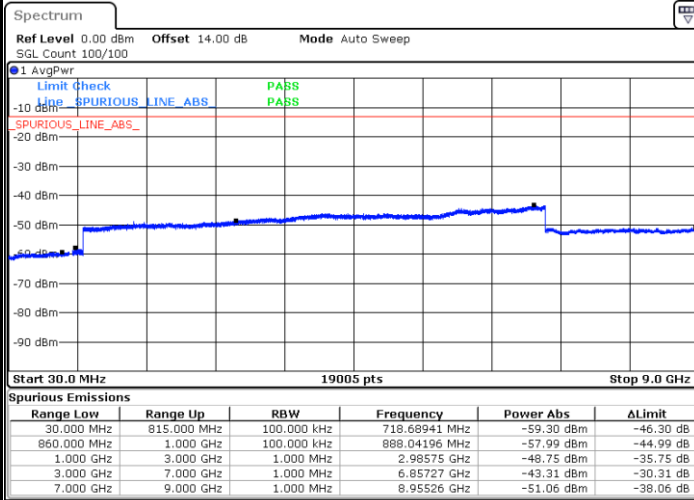
N/A

N/A



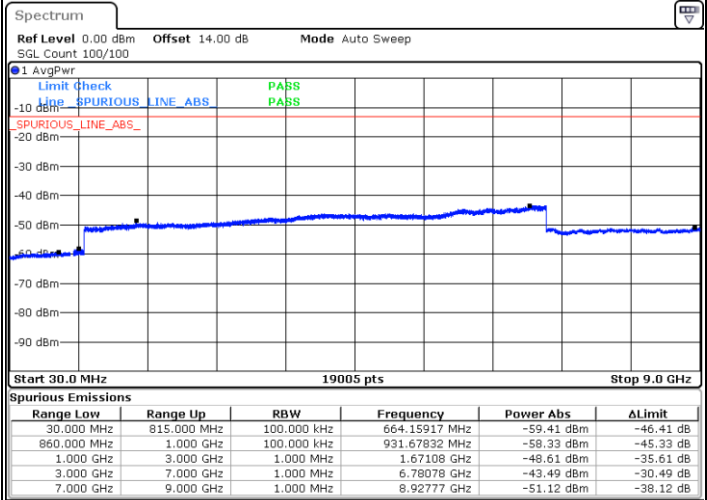
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



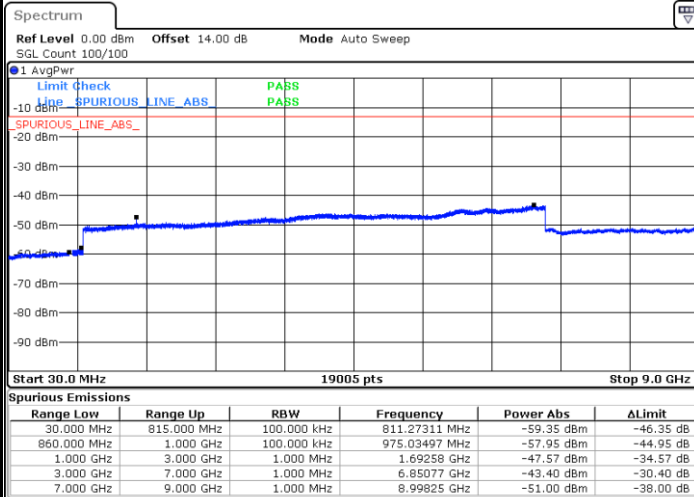
Date: 18 DEC 2021 00:31:17

Middle Channel / 64QAM



Date: 18 DEC 2021 00:32:54

Highest Channel / 64QAM



Date: 18 DEC 2021 00:38:07

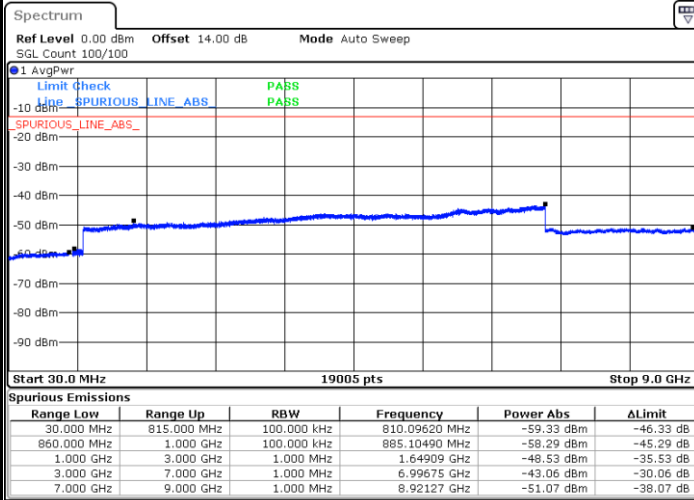
N/A

N/A



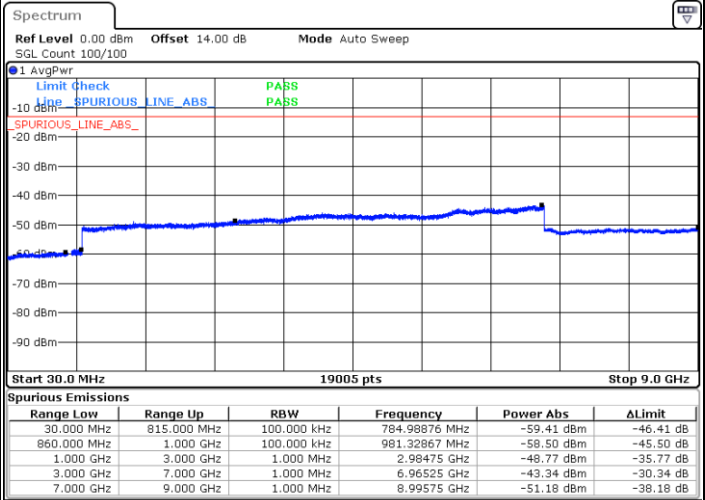
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



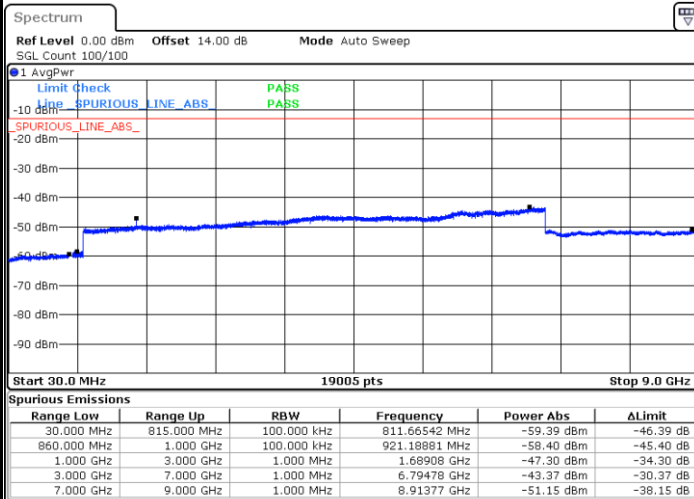
Date: 18 DEC 2021 00:43:20

Middle Channel / 64QAM



Date: 18 DEC 2021 00:44:56

Highest Channel / 64QAM



Date: 18 DEC 2021 00:50:10

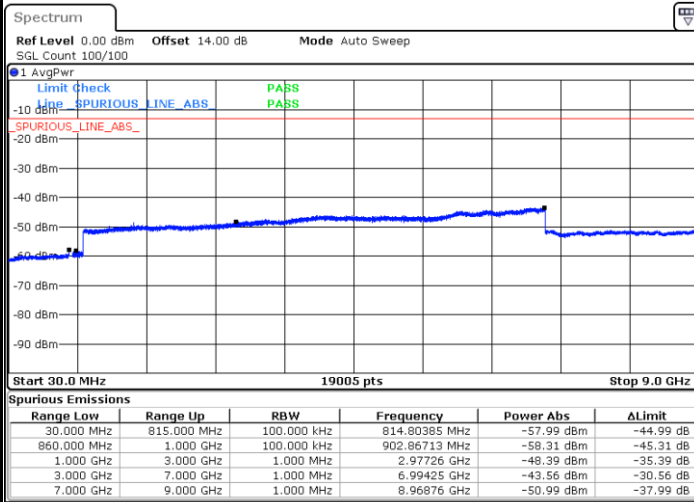
N/A

N/A



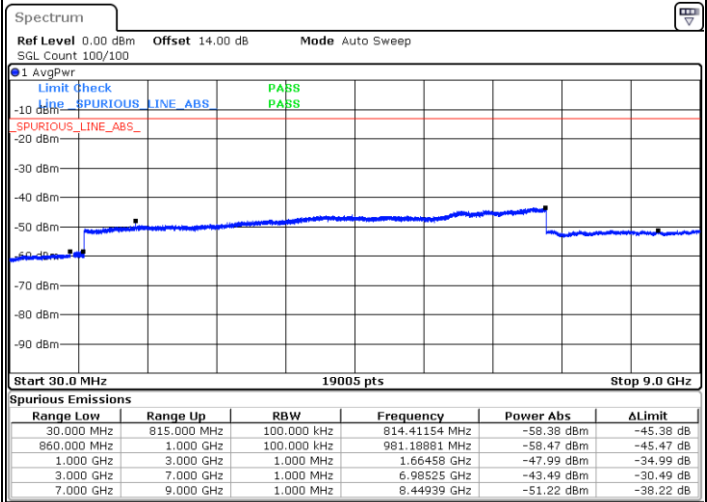
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



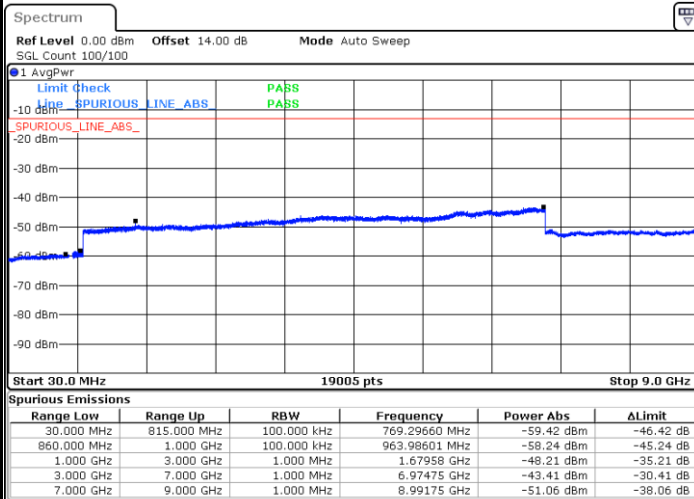
Date: 18 DEC 2021 00:55:23

Middle Channel / 64QAM



Date: 18 DEC 2021 00:56:59

Highest Channel / 64QAM



Date: 18 DEC 2021 01:02:12

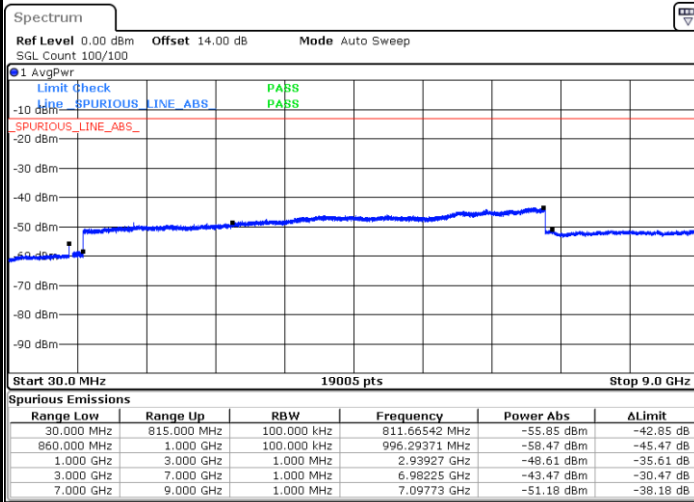
N/A

N/A



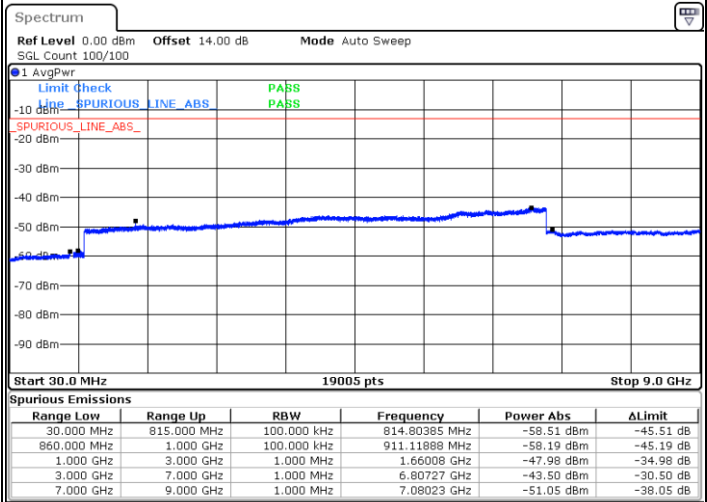
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



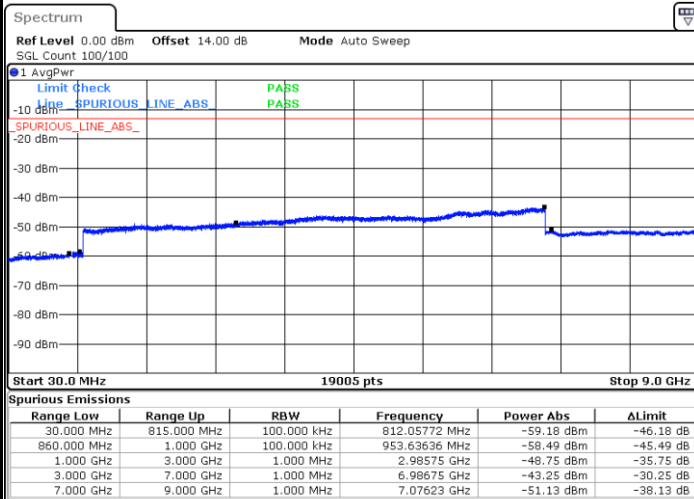
Date: 18 DEC 2021 01:07:26

Middle Channel / 64QAM



Date: 18 DEC 2021 01:09:02

Highest Channel / 64QAM



Date: 18 DEC 2021 01:14:16

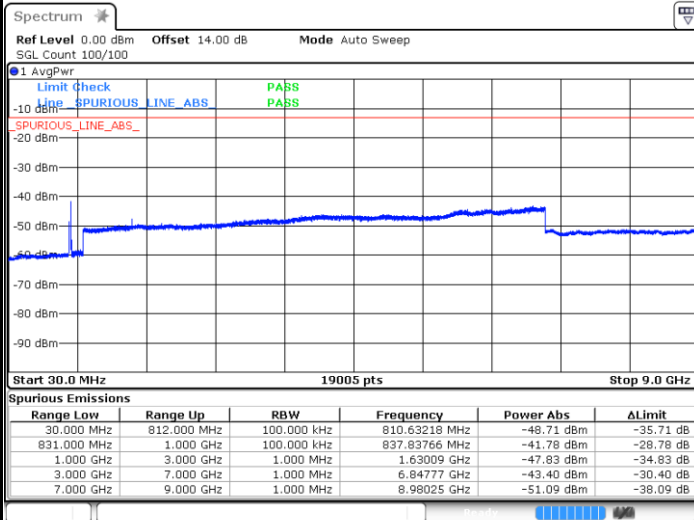
N/A

N/A



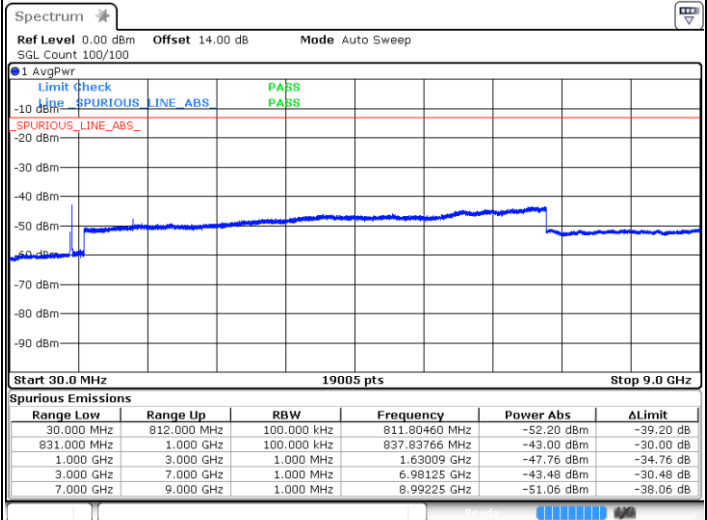
LTE Band 26 / 15MHz

CH26765 / QPSK



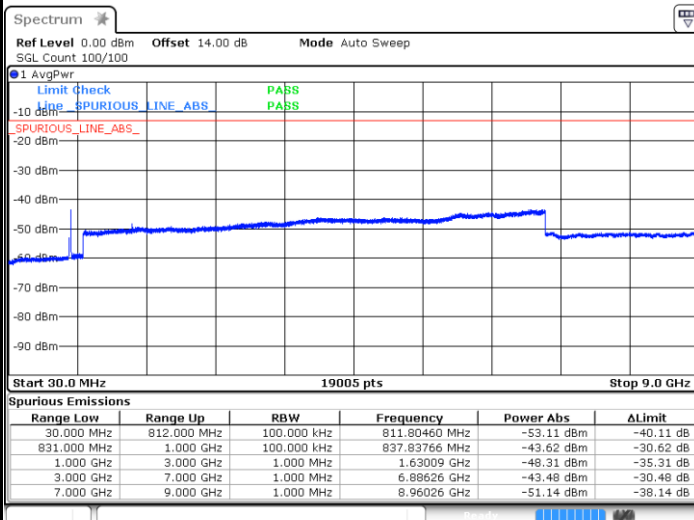
Date: 19 DEC 2021 12:57:22

CH26765 / 16QAM



Date: 19 DEC 2021 12:58:25

CH26765 / 64QAM



Date: 19 DEC 2021 12:59:49

N/A

N/A

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0062	

Note:

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



LTE Band 38

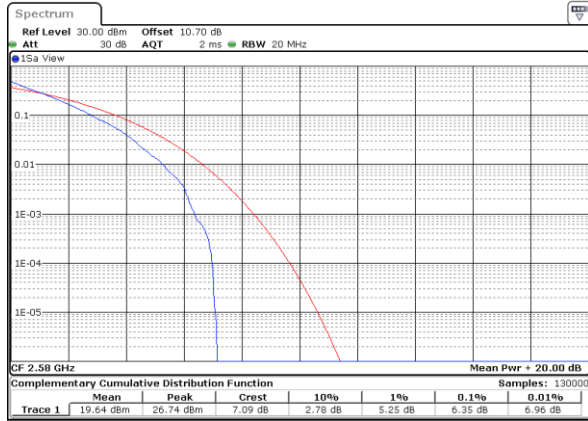
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.35	5.74	6.90	6.52	PASS
Middle CH	6.06	5.68	7.30	6.52	
Highest CH	5.68	5.65	7.30	6.49	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.96	6.58	-	-	PASS
Middle CH	6.64	6.64	-	-	
Highest CH	6.58	6.55	-	-	

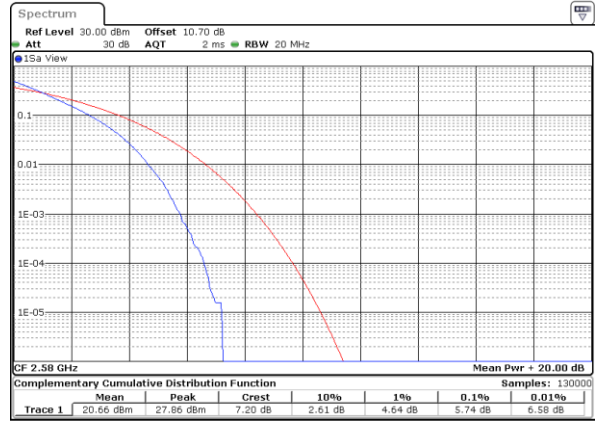


LTE Band 38 / 20MHz / QPSK

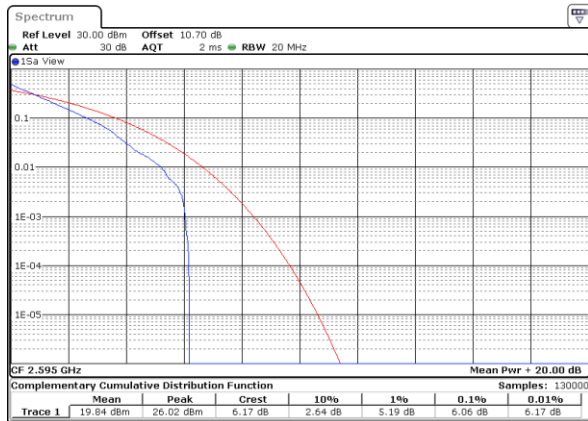
Lowest Channel / 1RB



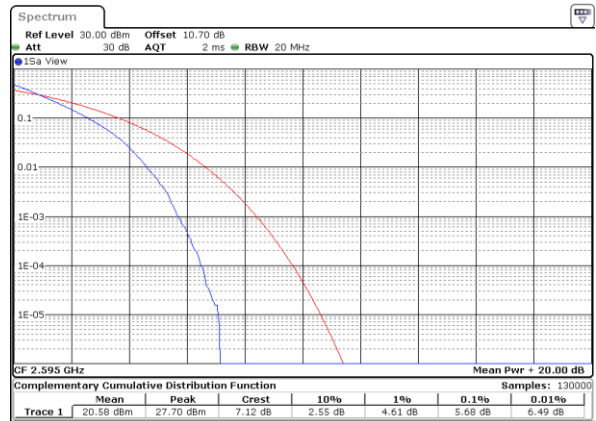
Lowest Channel / Full RB



Middle Channel / 1RB



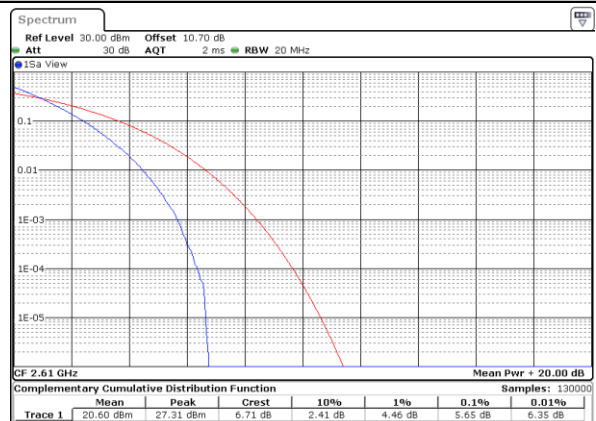
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



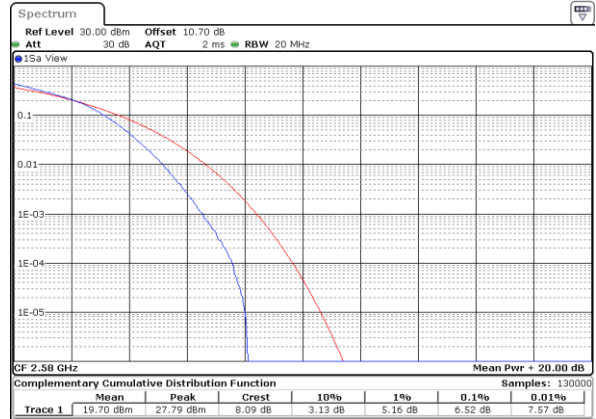


LTE Band 38 / 20MHz / 16QAM

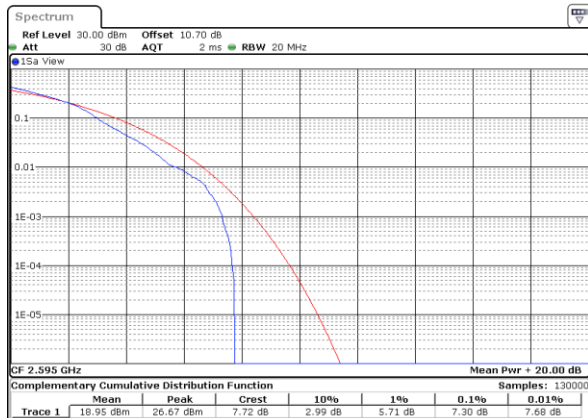
Lowest Channel / 1RB



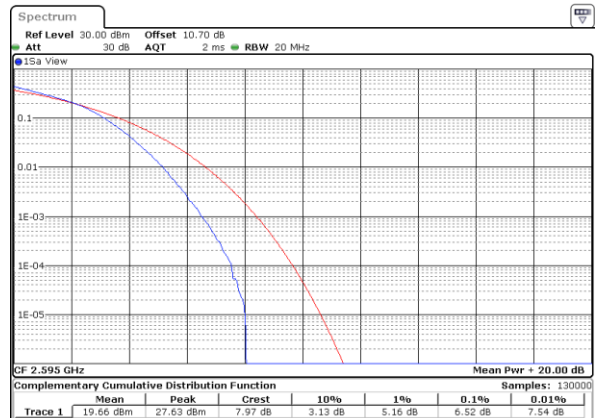
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

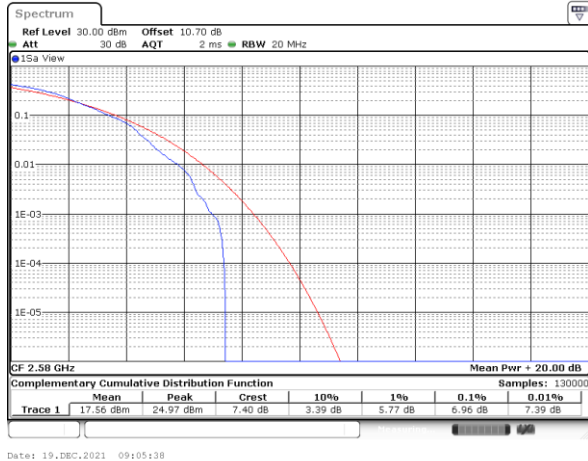
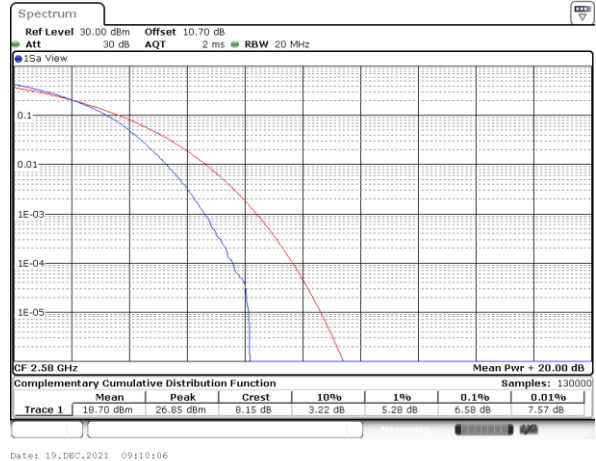
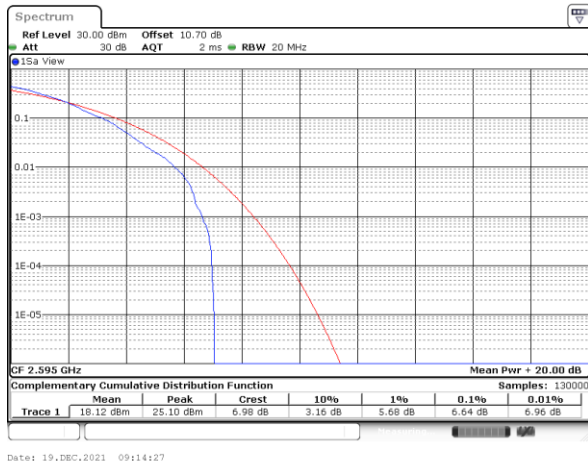
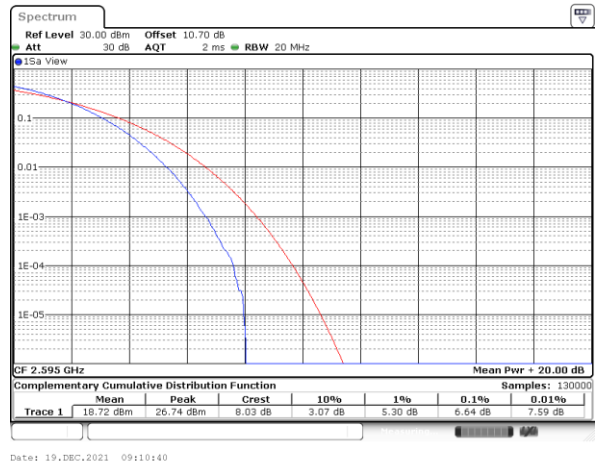
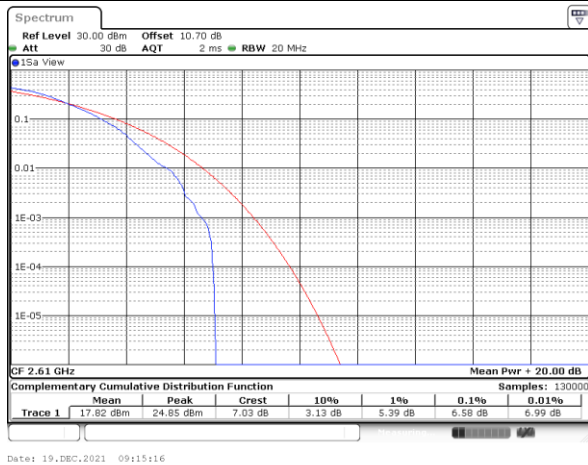
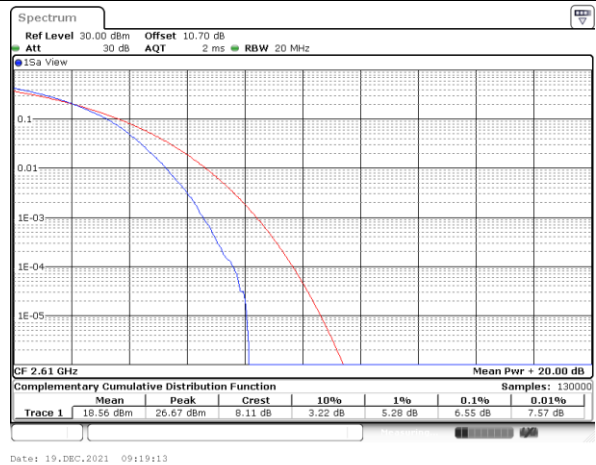


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 38 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


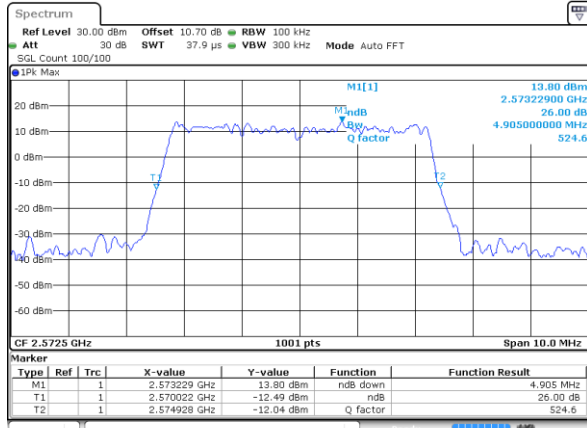
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.91	4.91	9.61	9.71	14.33	14.12	18.82	18.90
Middle CH	-	-	-	-	4.91	4.73	9.81	9.65	14.12	14.63	18.74	18.62
Highest CH	-	-	-	-	4.74	4.88	9.75	9.71	14.15	14.33	18.66	18.62
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.75	-	9.73	-	14.21	-	18.62	-
Middle CH	-	-	-	-	4.72	-	9.79	-	14.21	-	18.62	-
Highest CH	-	-	-	-	4.87	-	9.63	-	14.54	-	18.70	-

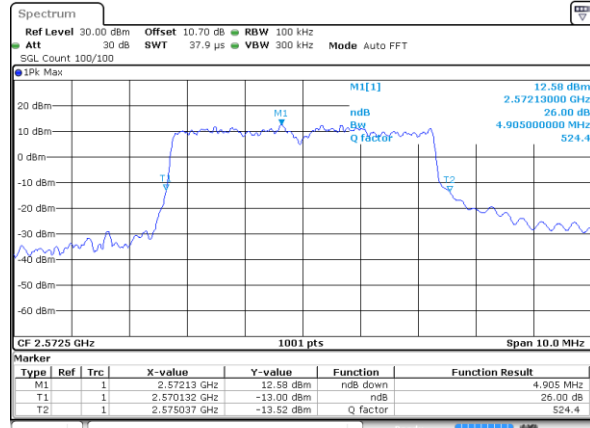


LTE Band 38

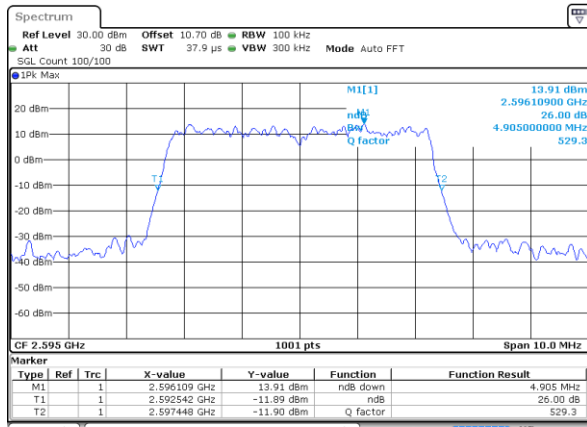
Lowest Channel / 5MHz / QPSK



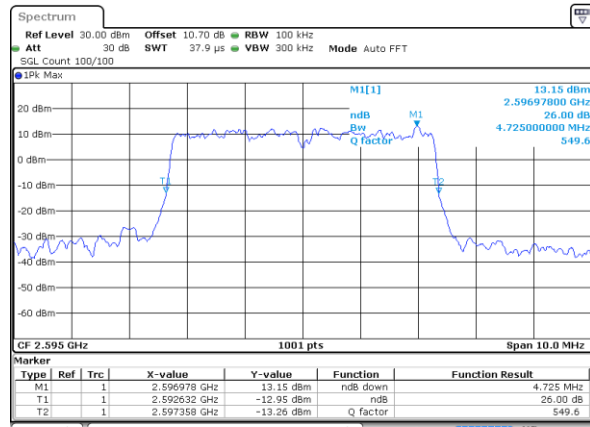
Lowest Channel / 5MHz / 16QAM



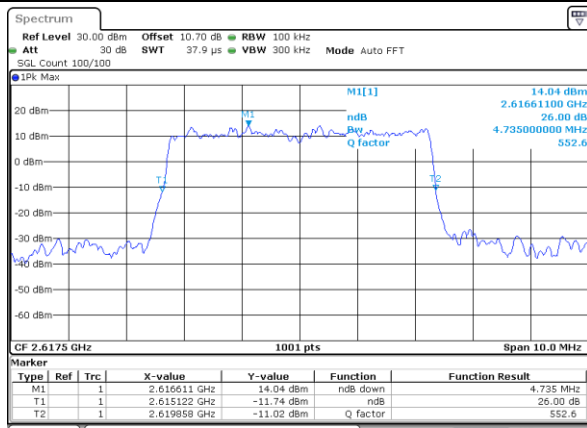
Middle Channel / 5MHz / QPSK



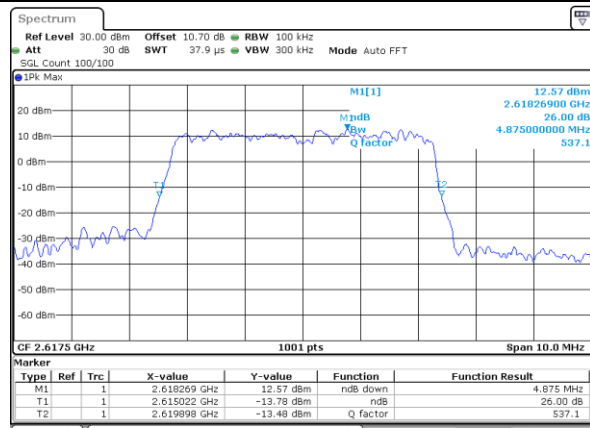
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



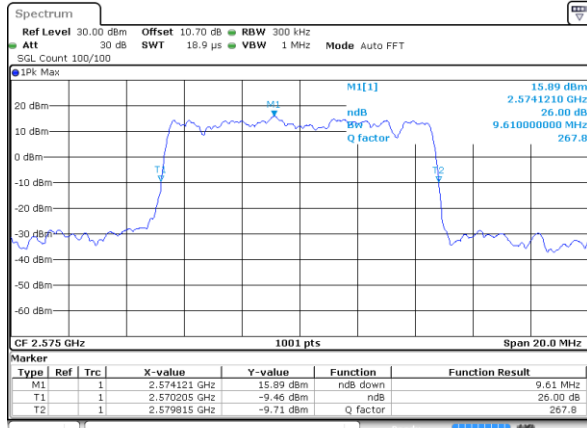
Highest Channel / 5MHz / 16QAM





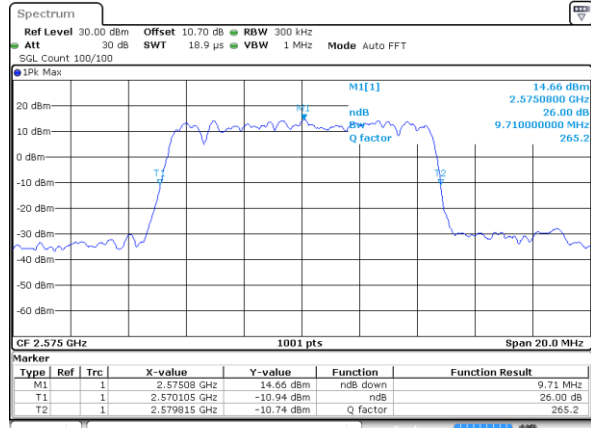
LTE Band 38

Lowest Channel / 10MHz / QPSK



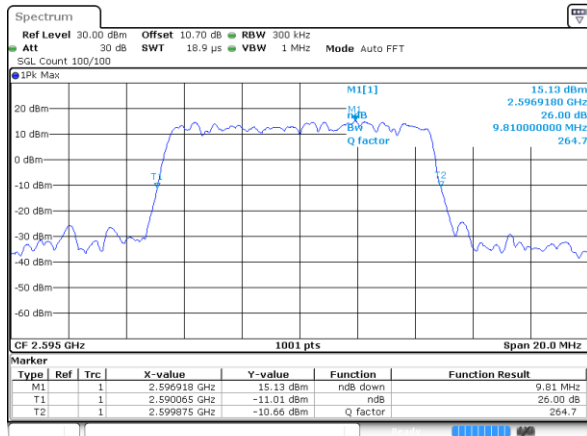
Date: 18 DEC 2021 11:58:55

Lowest Channel / 10MHz / 16QAM



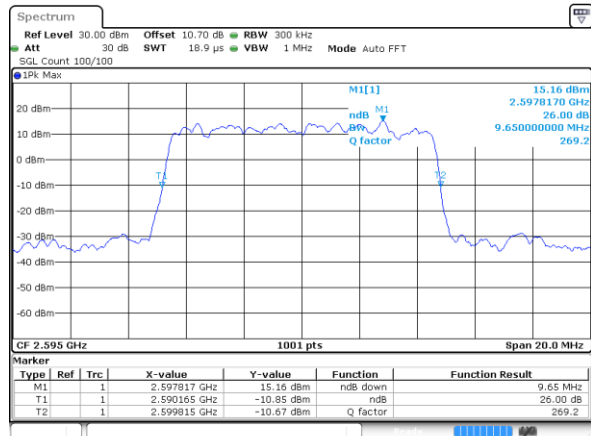
Date: 18 DEC 2021 11:59:20

Middle Channel / 10MHz / QPSK



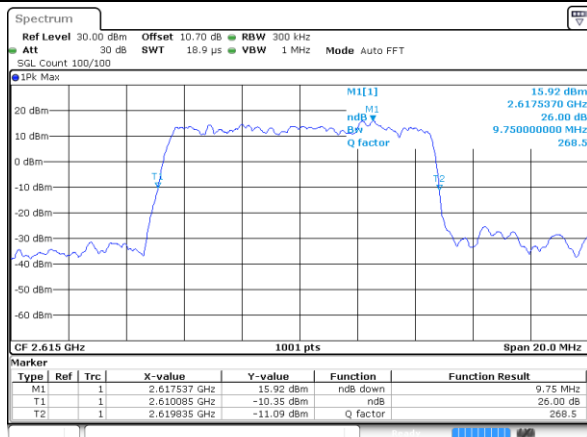
Date: 18 DEC 2021 12:00:33

Middle Channel / 10MHz / 16QAM



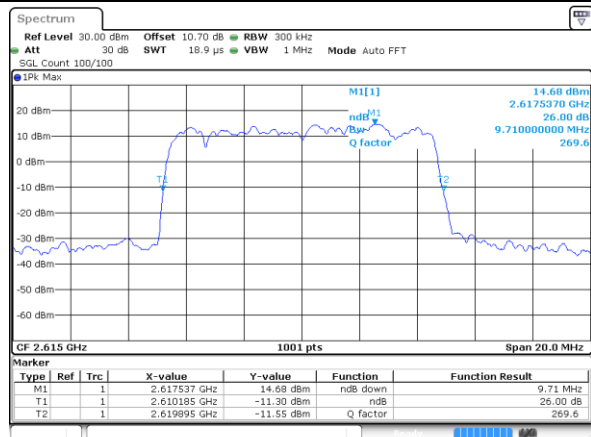
Date: 18 DEC 2021 12:00:57

Highest Channel / 10MHz / QPSK



Date: 18 DEC 2021 12:02:11

Highest Channel / 10MHz / 16QAM

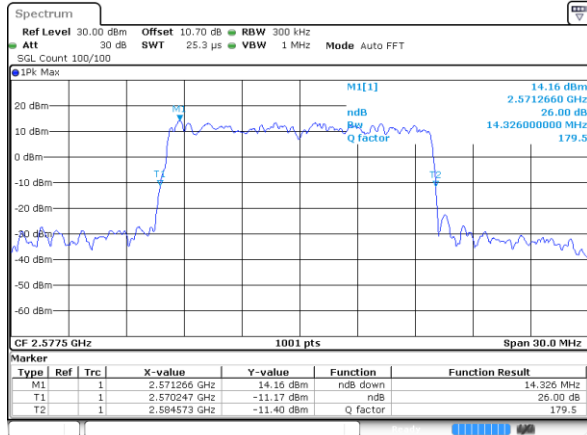


Date: 18 DEC 2021 12:02:35

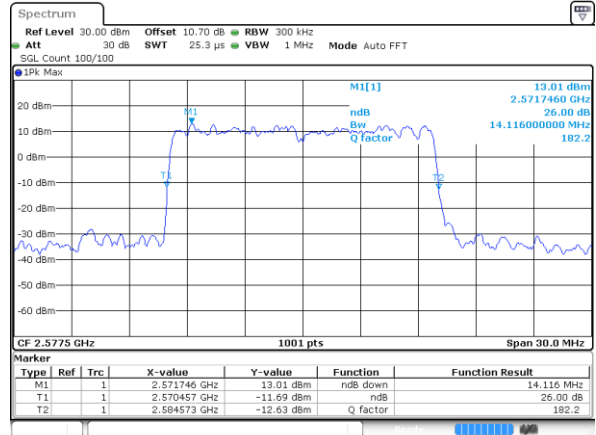


LTE Band 38

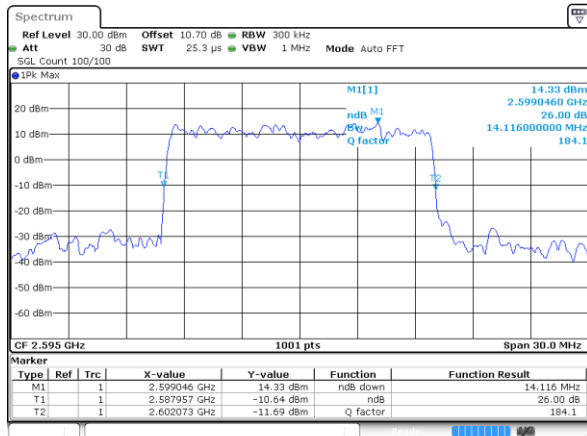
Lowest Channel / 15MHz / QPSK



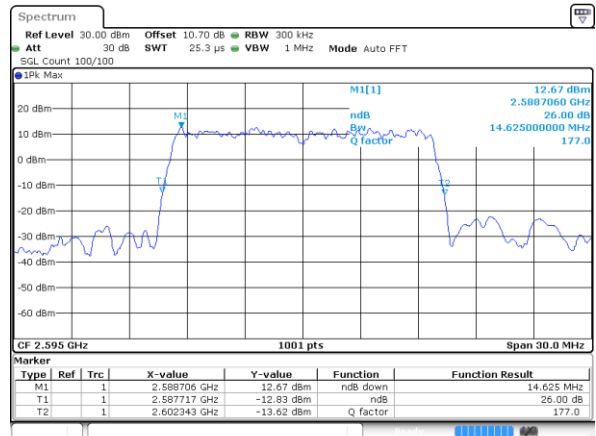
Lowest Channel / 15MHz / 16QAM



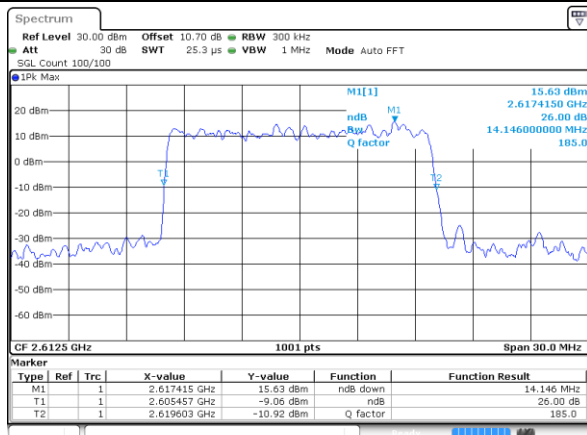
Middle Channel / 15MHz / QPSK



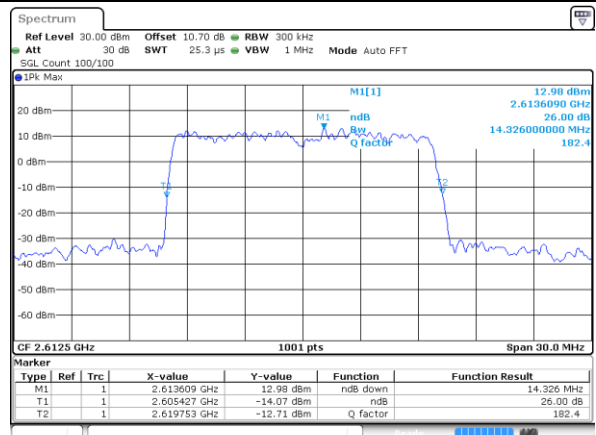
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



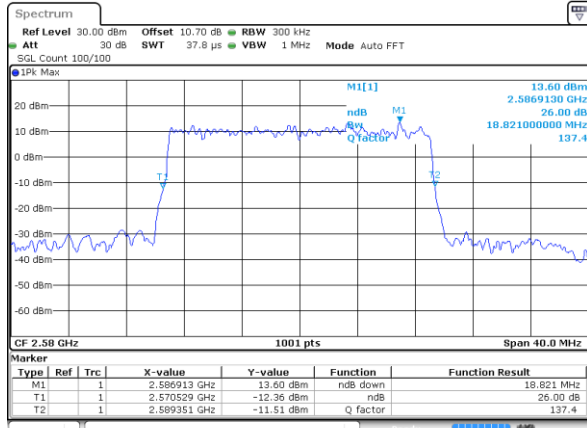
Highest Channel / 15MHz / 16QAM





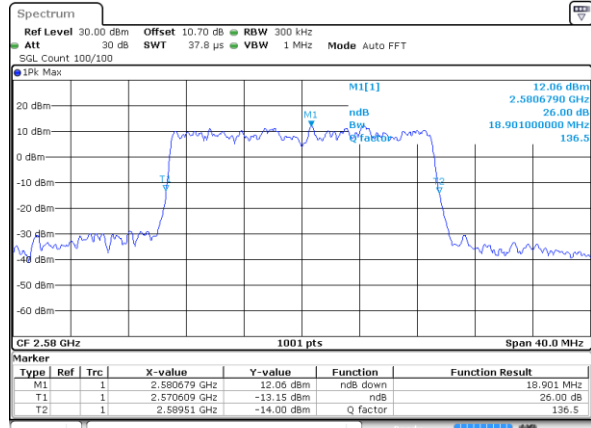
LTE Band 38

Lowest Channel / 20MHz / QPSK



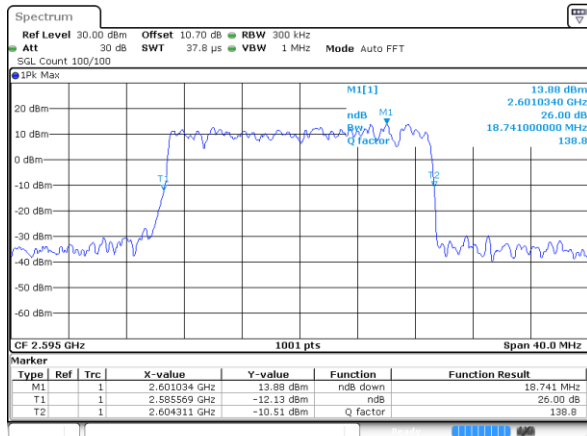
Date: 18 DEC 2021 12:08:46

Lowest Channel / 20MHz / 16QAM



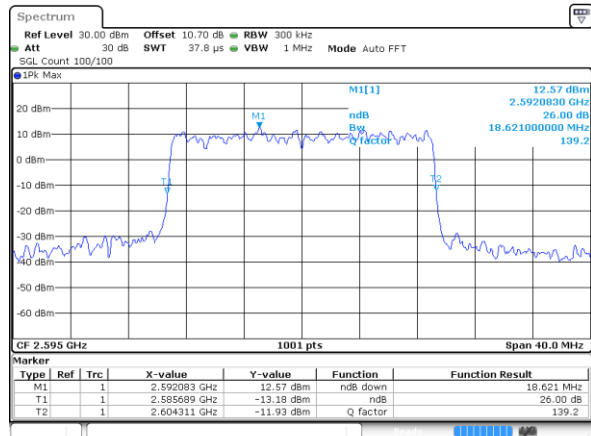
Date: 18 DEC 2021 12:09:10

Middle Channel / 20MHz / QPSK



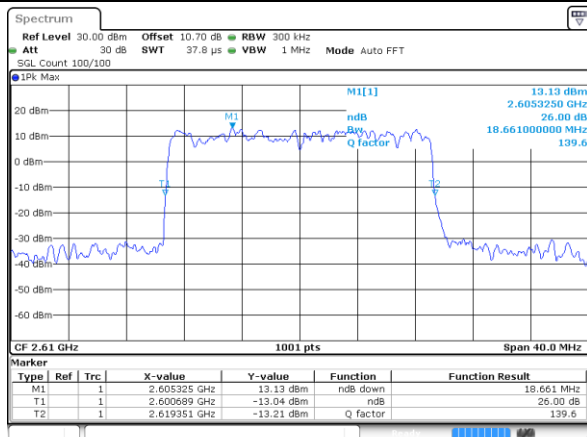
Date: 18 DEC 2021 12:10:23

Middle Channel / 20MHz / 16QAM



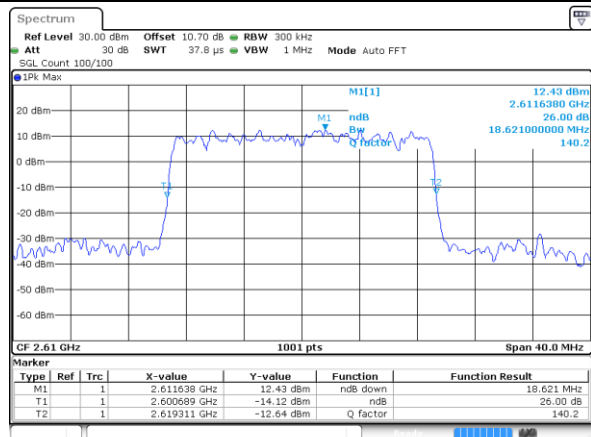
Date: 18 DEC 2021 12:10:47

Highest Channel / 20MHz / QPSK



Date: 18 DEC 2021 12:12:01

Highest Channel / 20MHz / 16QAM

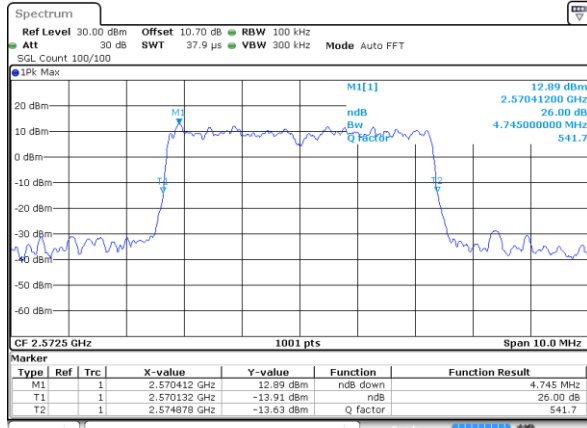


Date: 18 DEC 2021 12:12:26



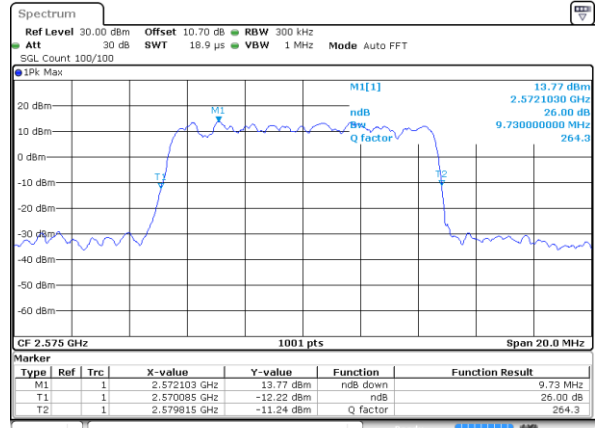
LTE Band 38

Lowest Channel / 5MHz / 64QAM



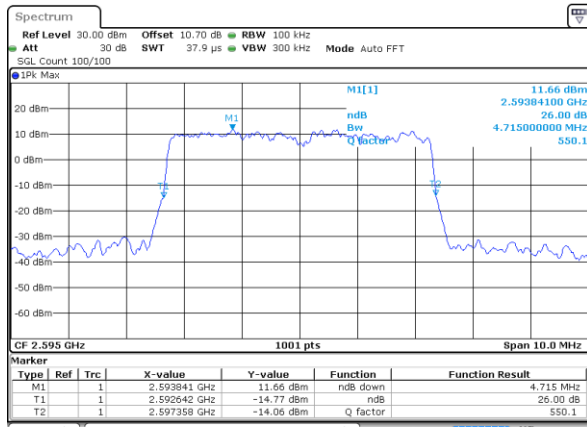
Date: 18 DEC 2021 12:13:07

Lowest Channel / 10MHz / 64QAM



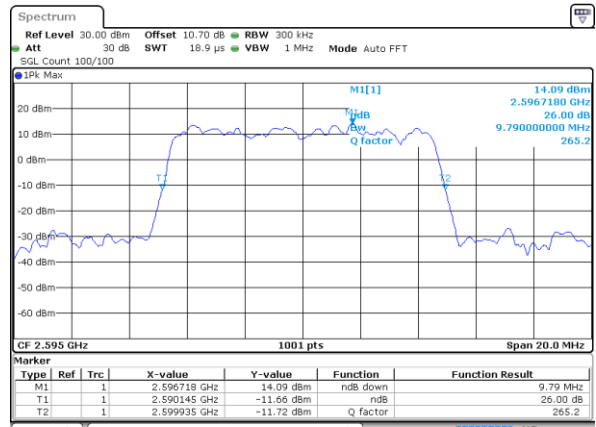
Date: 18 DEC 2021 12:15:06

Middle Channel / 5MHz / 64QAM



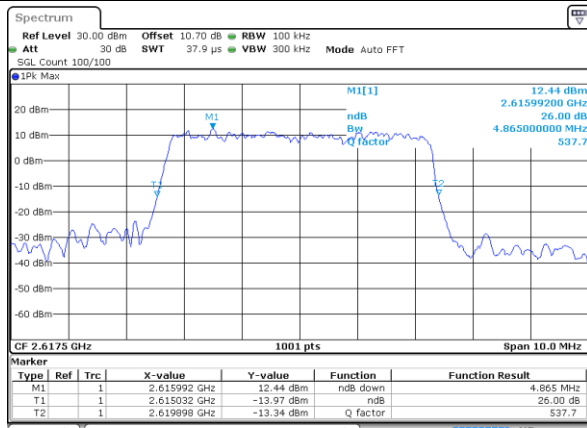
Date: 18 DEC 2021 12:13:46

Middle Channel / 10MHz / 64QAM



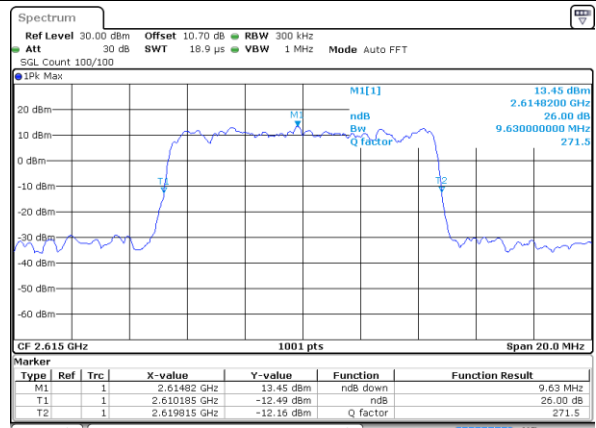
Date: 18 DEC 2021 12:15:45

Highest Channel / 5MHz / 64QAM



Date: 18 DEC 2021 12:14:26

Highest Channel / 10MHz / 64QAM

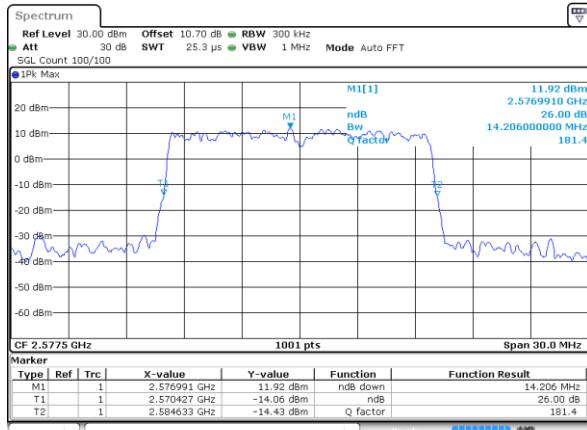


Date: 18 DEC 2021 12:16:25



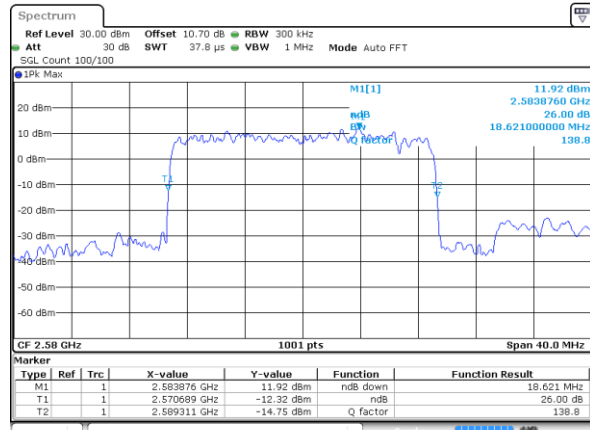
LTE Band 38

Lowest Channel / 15MHz / 64QAM



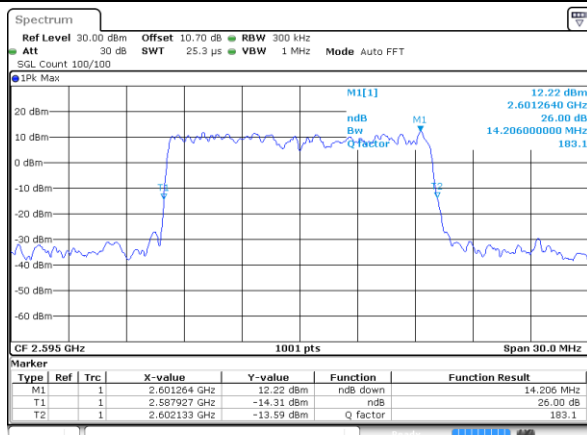
Date: 18 DEC 2021 12:17:05

Lowest Channel / 20MHz / 64QAM



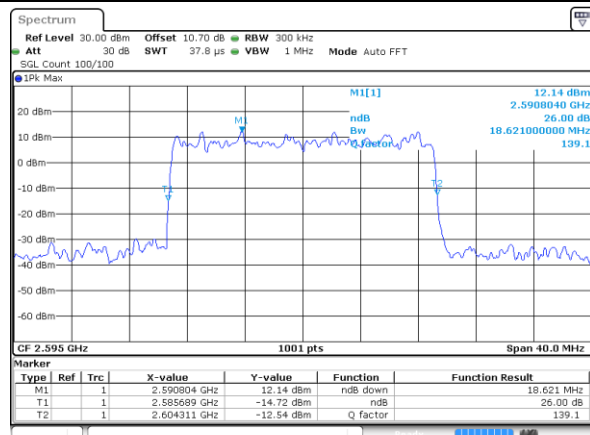
Date: 18 DEC 2021 12:19:05

Middle Channel / 15MHz / 64QAM



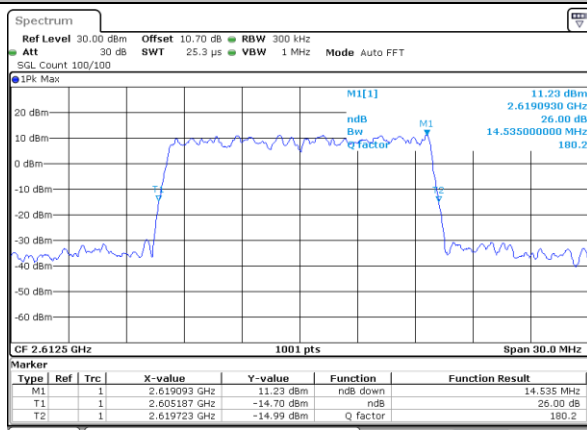
Date: 18 DEC 2021 12:17:45

Middle Channel / 20MHz / 64QAM



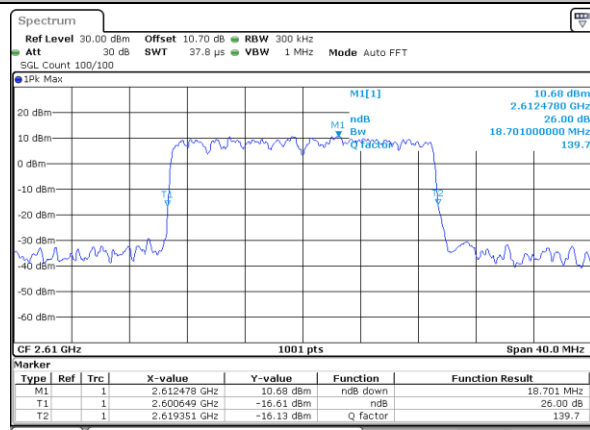
Date: 18 DEC 2021 12:19:45

Highest Channel / 15MHz / 64QAM



Date: 18 DEC 2021 12:18:25

Highest Channel / 20MHz / 64QAM



Date: 18 DEC 2021 12:20:25

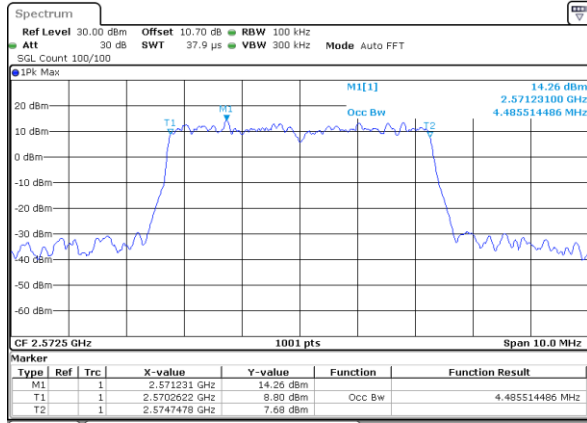
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.49	4.50	9.01	9.01	13.40	13.46	17.90	17.78
Middle CH	-	-	-	-	4.49	4.46	9.03	9.11	13.40	13.46	17.86	17.94
Highest CH	-	-	-	-	4.49	4.49	9.03	9.05	13.43	13.37	17.78	17.86
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	9.03	-	13.37	-	17.82	-
Middle CH	-	-	-	-	4.50	-	8.99	-	13.46	-	17.82	-
Highest CH	-	-	-	-	4.48	-	9.03	-	13.43	-	17.78	-



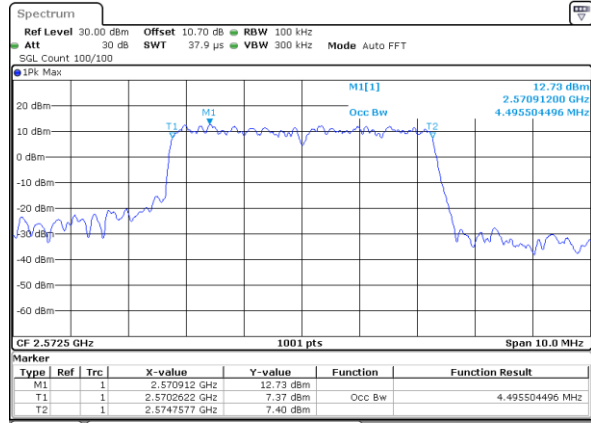
LTE Band 38

Lowest Channel / 5MHz / QPSK



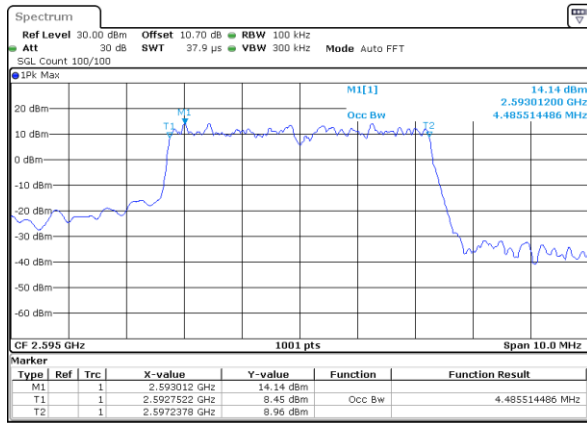
Date: 18 DEC 2021 11:53:11

Lowest Channel / 5MHz / 16QAM



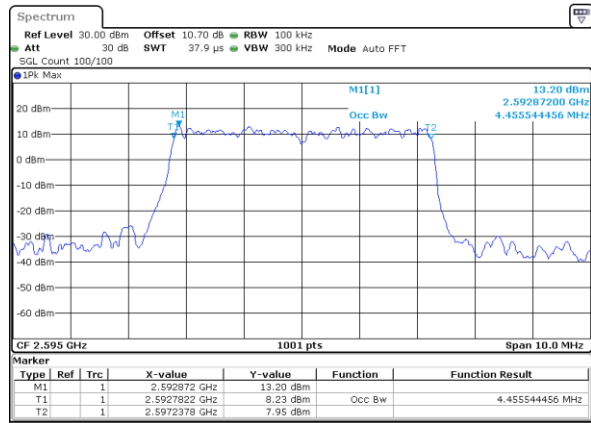
Date: 18 DEC 2021 11:53:36

Middle Channel / 5MHz / QPSK



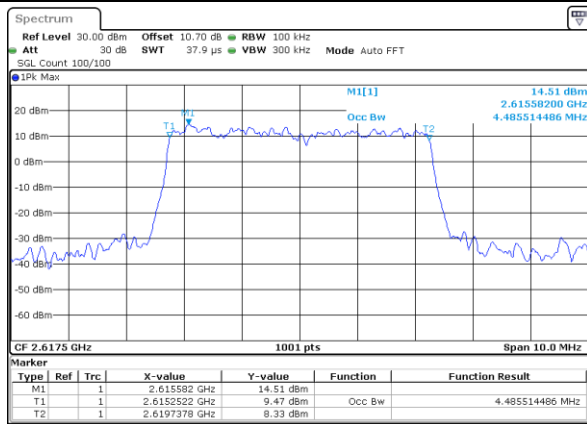
Date: 18 DEC 2021 11:54:50

Middle Channel / 5MHz / 16QAM



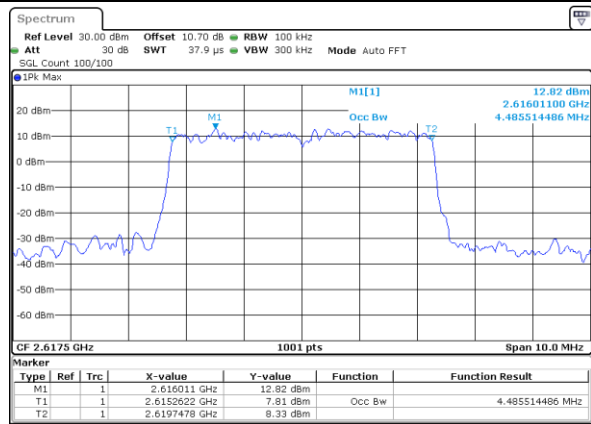
Date: 18 DEC 2021 11:55:14

Highest Channel / 5MHz / QPSK



Date: 18 DEC 2021 11:56:27

Highest Channel / 5MHz / 16QAM

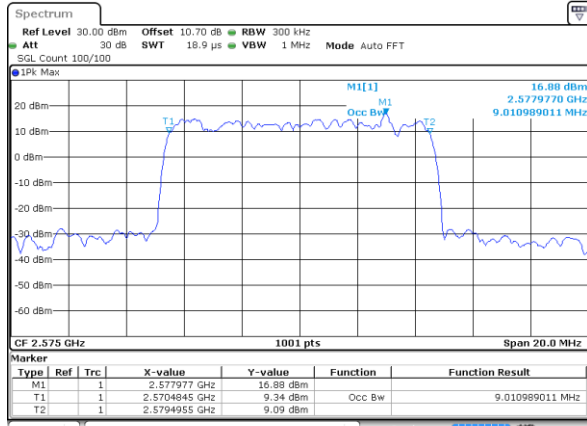


Date: 18 DEC 2021 11:56:51



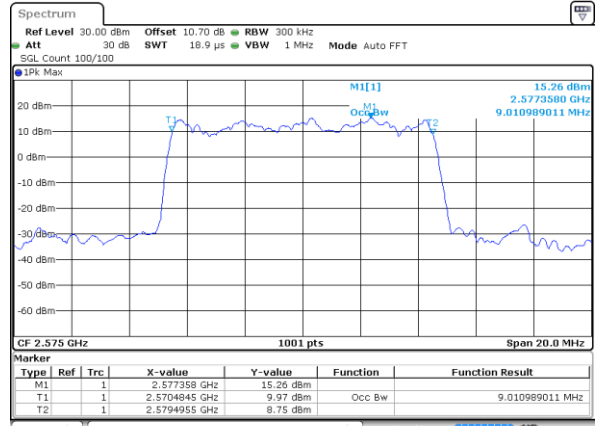
LTE Band 38

Lowest Channel / 10MHz / QPSK



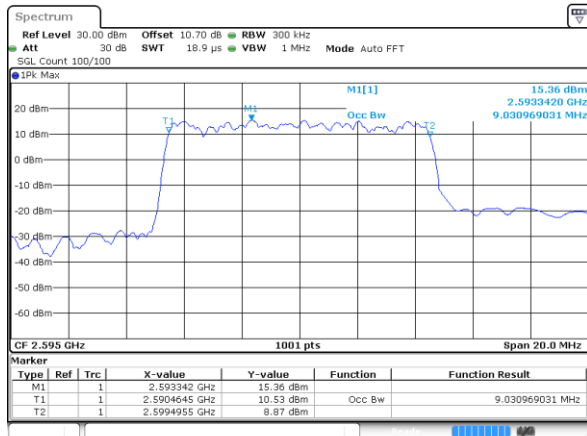
Date: 18 DEC 2021 11:58:05

Lowest Channel / 10MHz / 16QAM



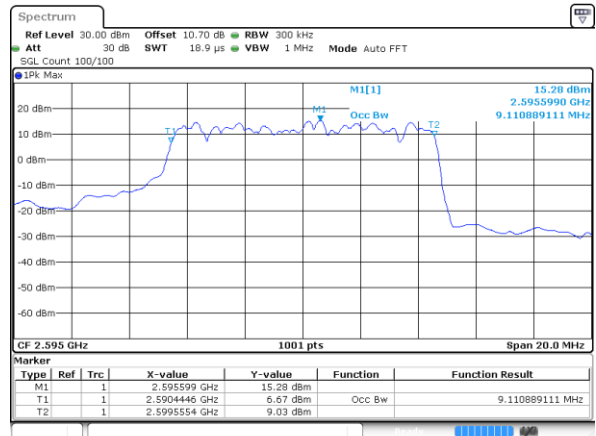
Date: 18 DEC 2021 11:58:30

Middle Channel / 10MHz / QPSK



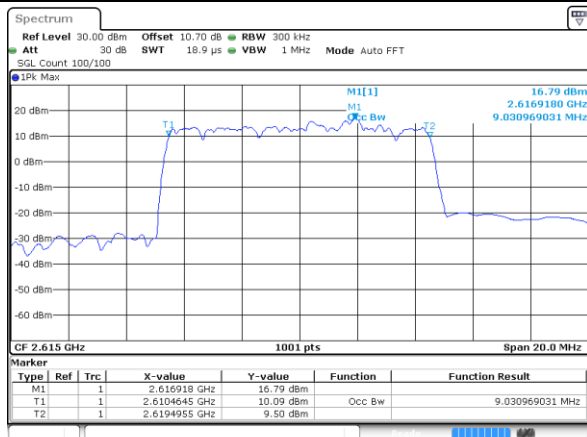
Date: 18 DEC 2021 11:59:44

Middle Channel / 10MHz / 16QAM



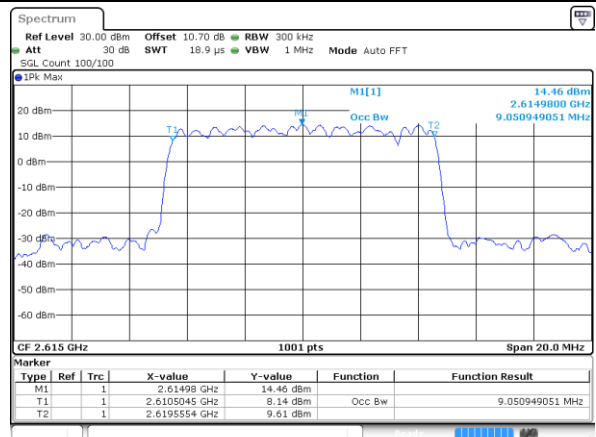
Date: 18 DEC 2021 12:00:08

Highest Channel / 10MHz / QPSK



Date: 18 DEC 2021 12:01:21

Highest Channel / 10MHz / 16QAM

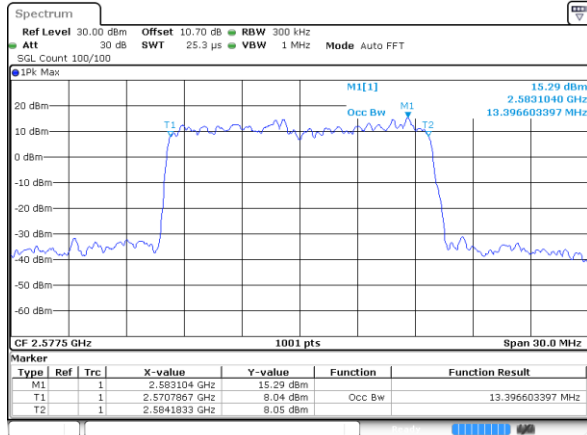


Date: 18 DEC 2021 12:01:46



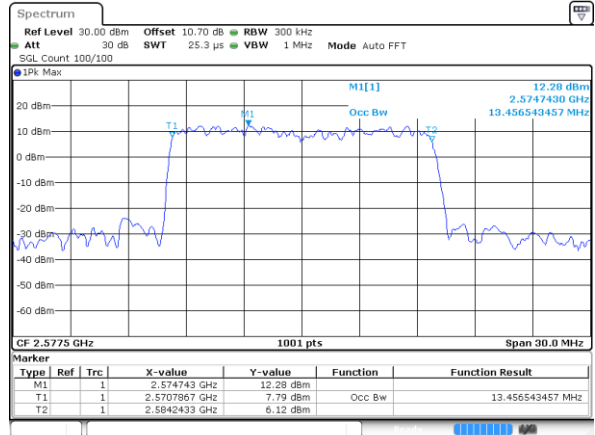
LTE Band 38

Lowest Channel / 15MHz / QPSK



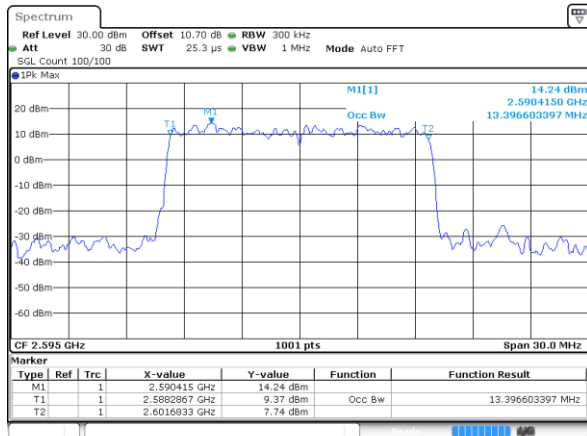
Date: 18 DEC 2021 12:03:01

Lowest Channel / 15MHz / 16QAM



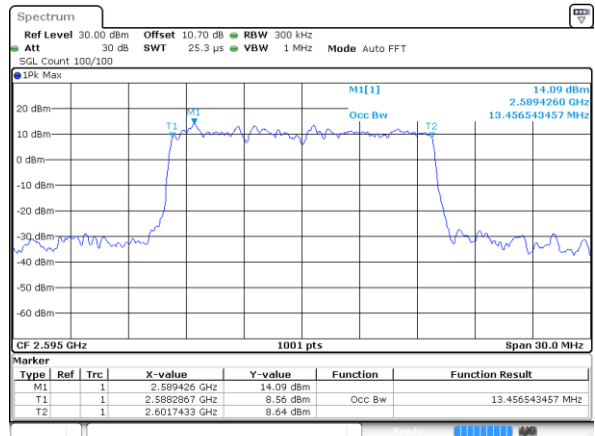
Date: 18 DEC 2021 12:03:25

Middle Channel / 15MHz / QPSK



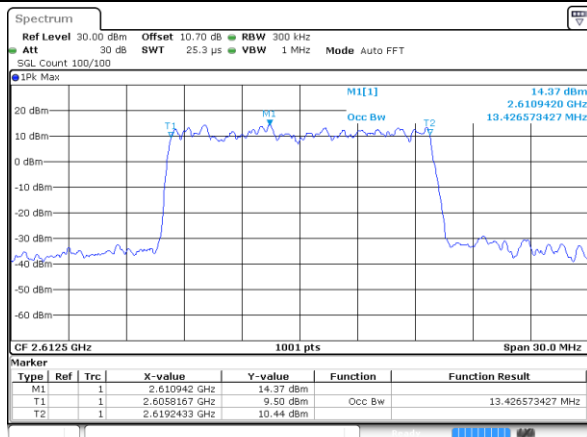
Date: 18 DEC 2021 12:04:39

Middle Channel / 15MHz / 16QAM



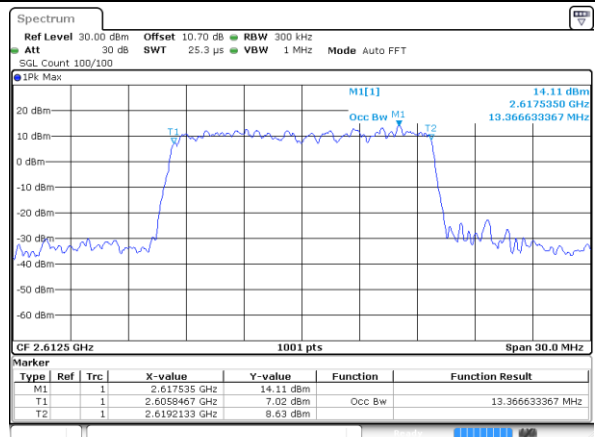
Date: 18 DEC 2021 12:05:03

Highest Channel / 15MHz / QPSK



Date: 18 DEC 2021 12:06:17

Highest Channel / 15MHz / 16QAM

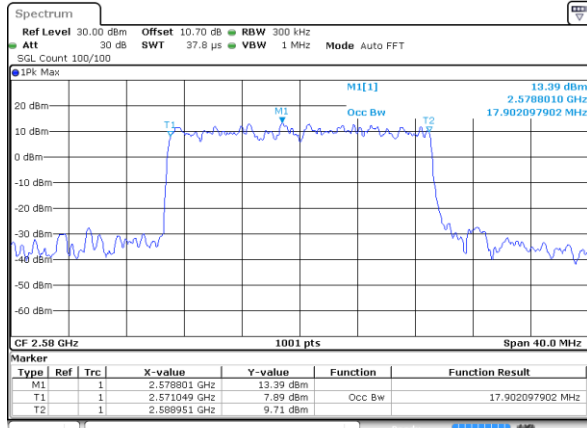


Date: 18 DEC 2021 12:06:41



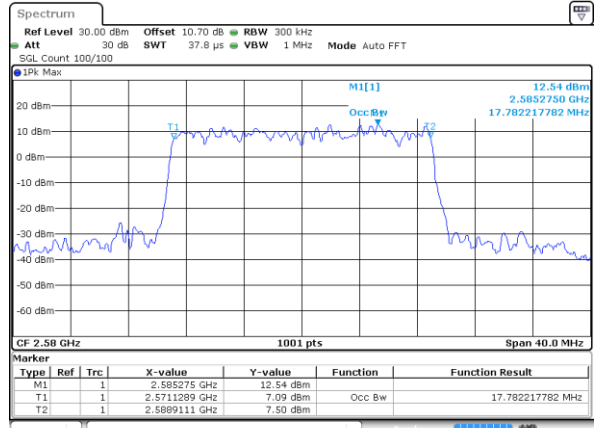
LTE Band 38

Lowest Channel / 20MHz / QPSK



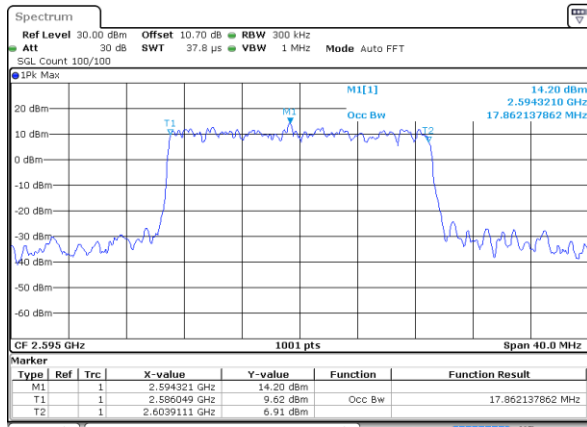
Date: 18 DEC 2021 12:07:56

Lowest Channel / 20MHz / 16QAM



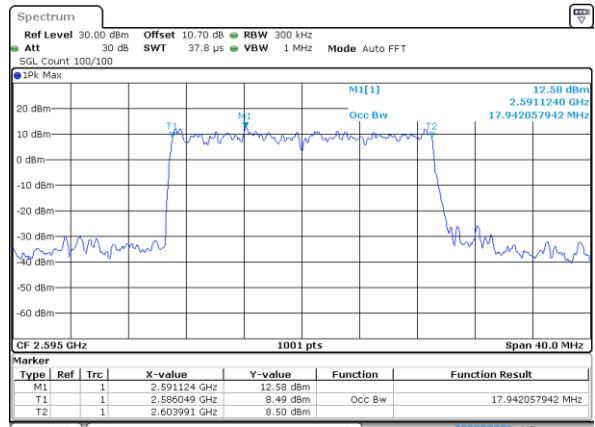
Date: 18 DEC 2021 12:08:21

Middle Channel / 20MHz / QPSK



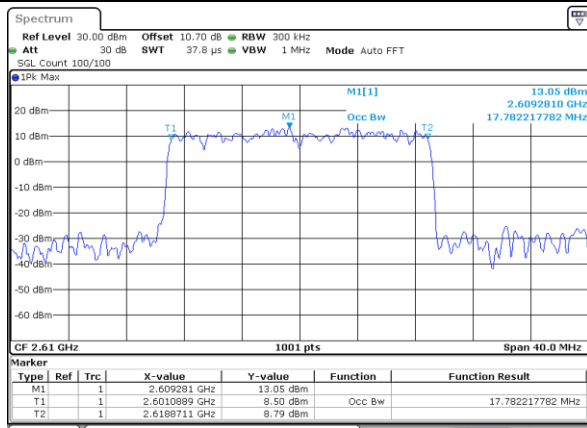
Date: 18 DEC 2021 12:09:35

Middle Channel / 20MHz / 16QAM



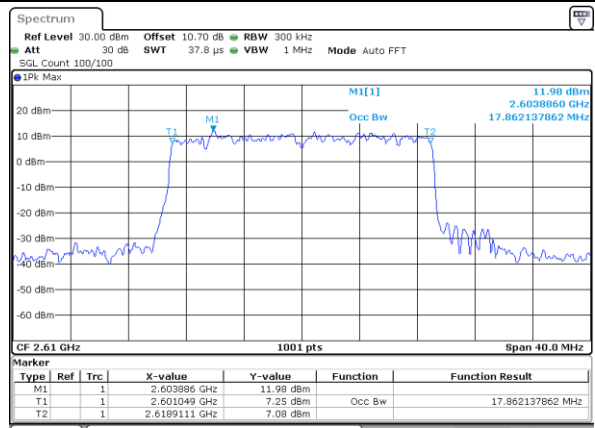
Date: 18 DEC 2021 12:09:59

Highest Channel / 20MHz / QPSK



Date: 18 DEC 2021 12:11:12

Highest Channel / 20MHz / 16QAM

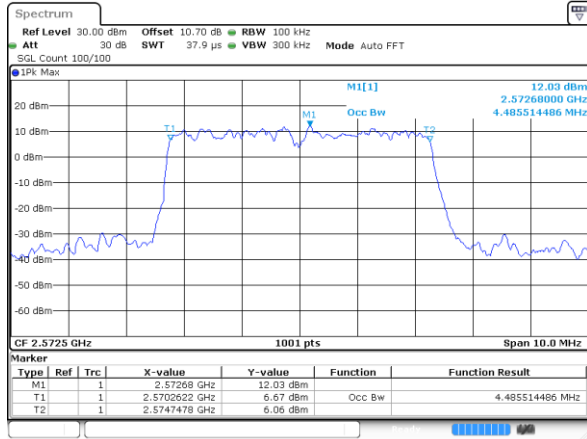


Date: 18 DEC 2021 12:11:37

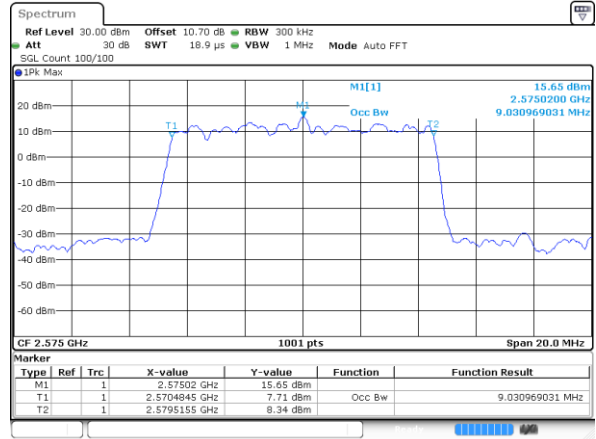


LTE Band 38

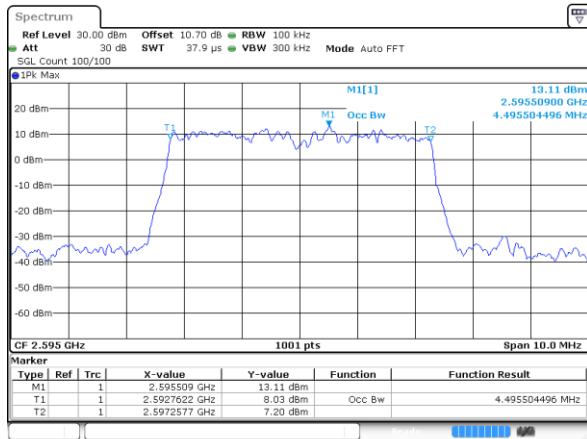
Lowest Channel / 5MHz / 64QAM



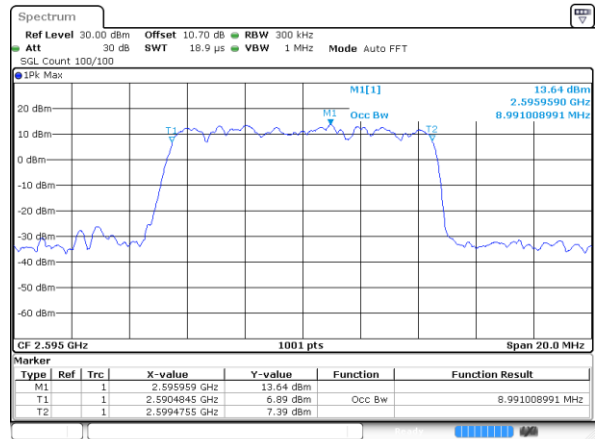
Lowest Channel / 10MHz / 64QAM



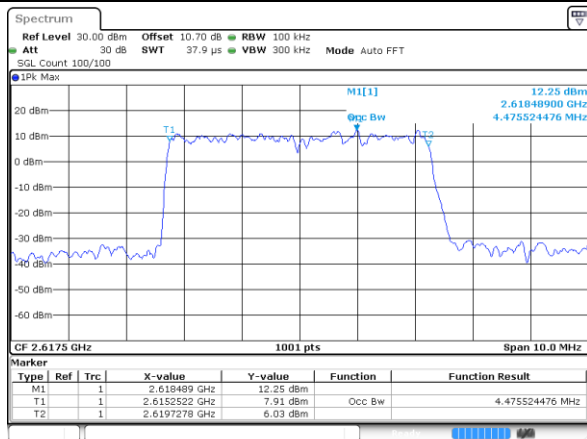
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

