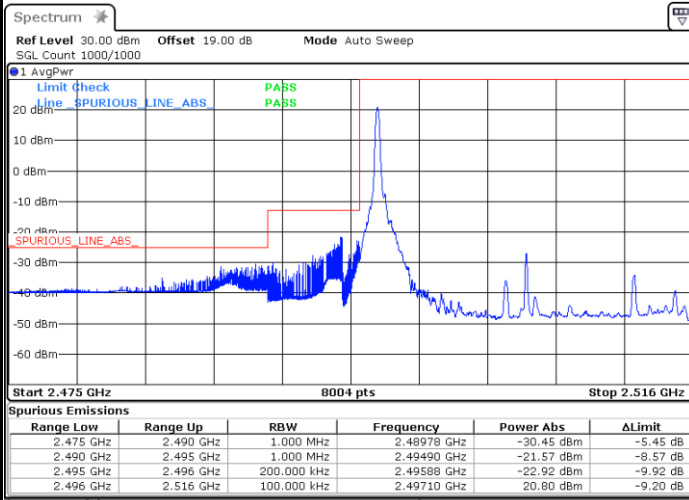


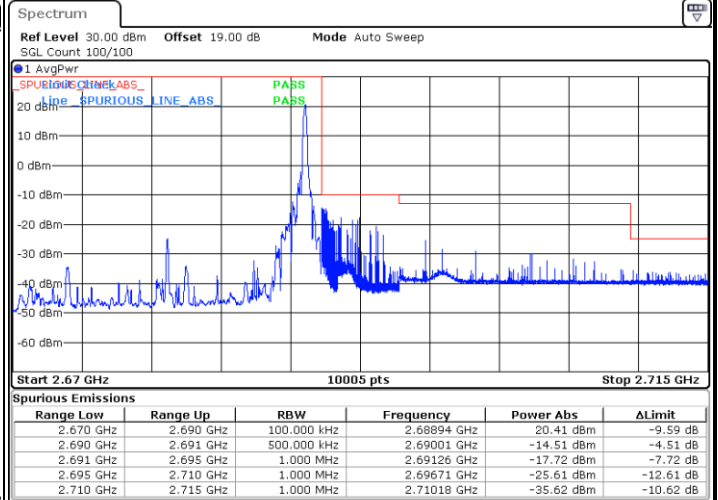


LTE Band 41 / 20MHz / 64QAM

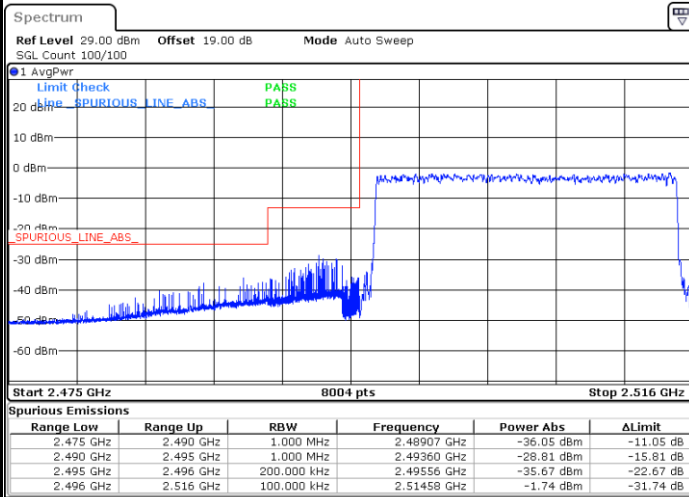
Lowest Band Edge / 1 RB



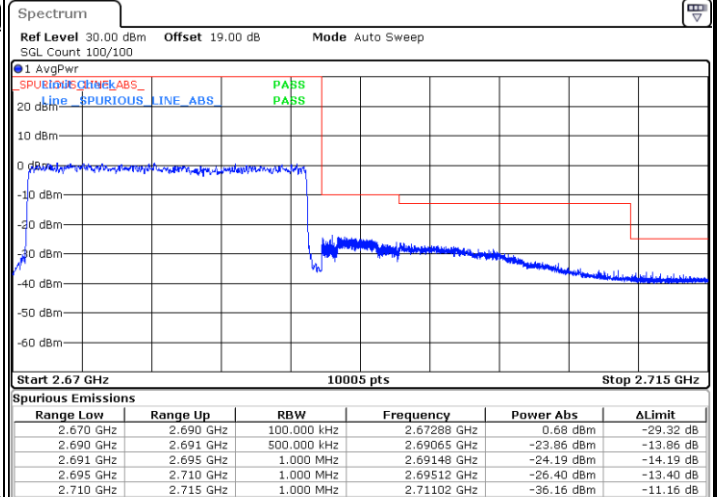
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



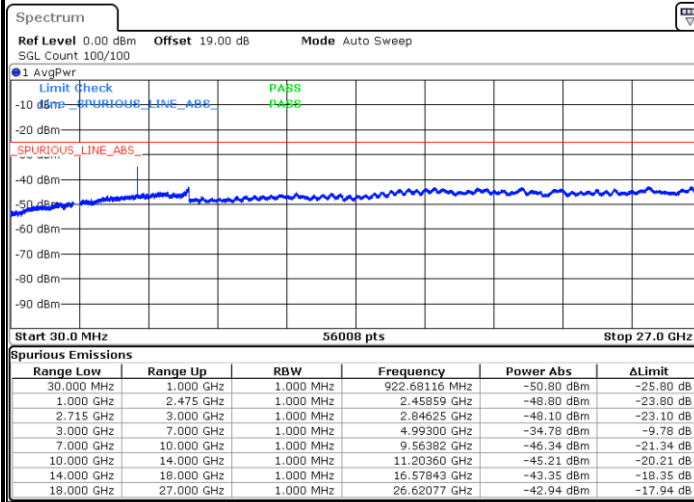


Conducted Spurious Emission



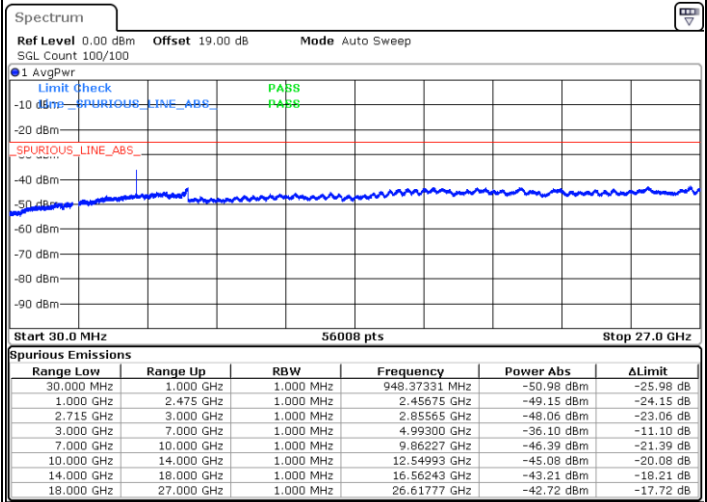
LTE Band 41 / 5MHz

Lowest Channel / QPSK



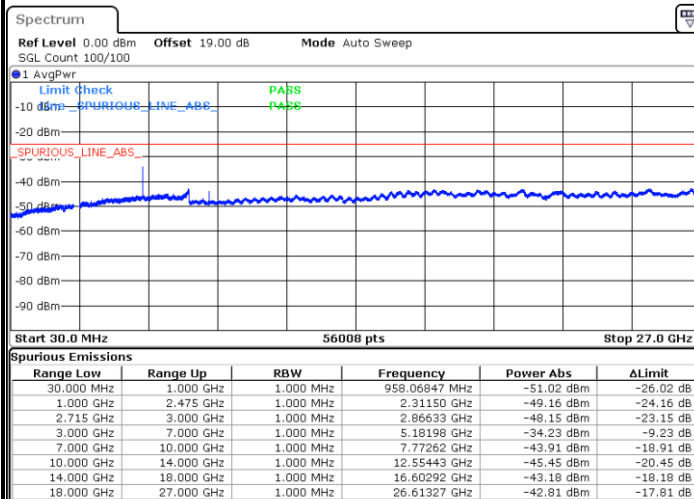
Date: 20.DEC.2020 20:41:51

Lowest Channel / 16QAM



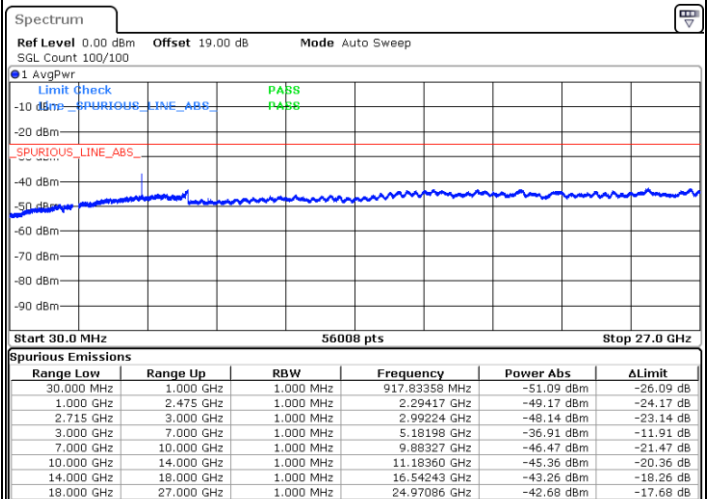
Date: 20.DEC.2020 20:32:51

Middle Channel / QPSK



Date: 20.DEC.2020 20:44:07

Middle Channel / 16QAM

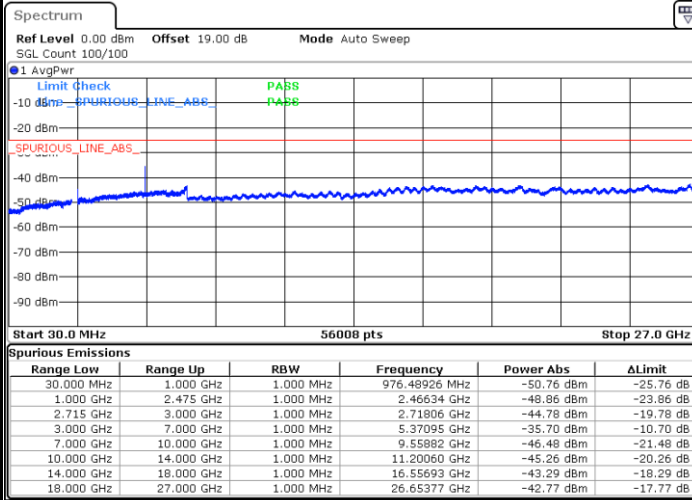


Date: 20.DEC.2020 20:45:51



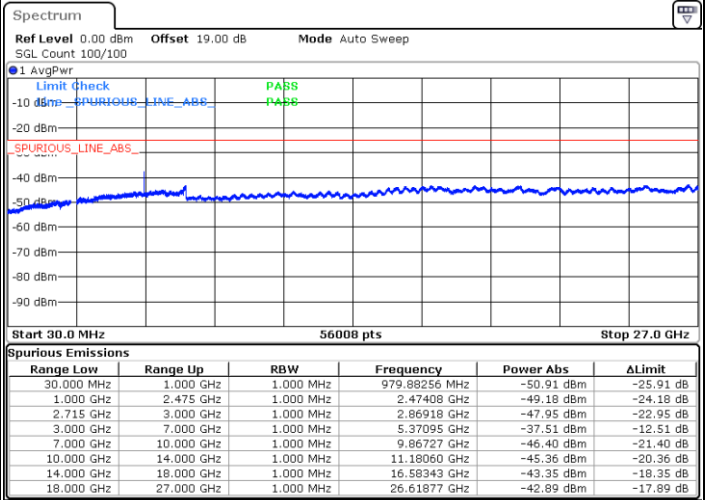
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 20.DEC.2020 20:55:07

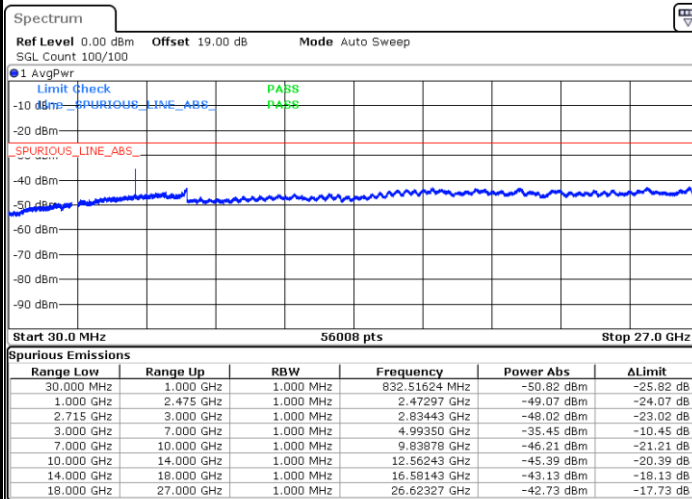
Highest Channel / 16QAM



Date: 20.DEC.2020 20:51:49

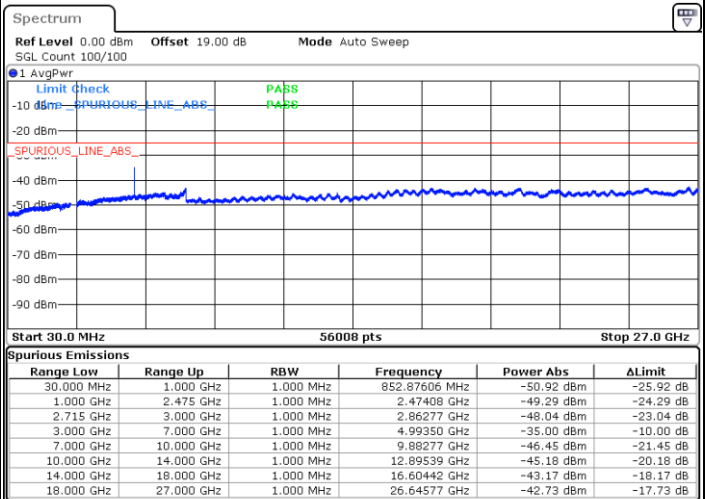
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 20.DEC.2020 22:00:15

Lowest Channel / 16QAM

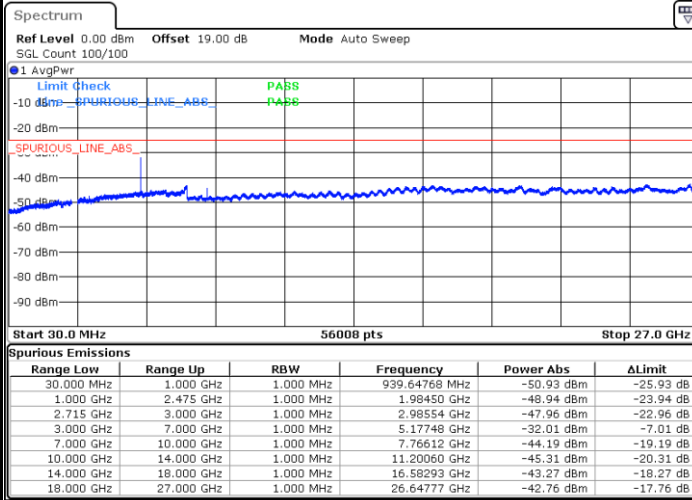


Date: 20.DEC.2020 21:56:44



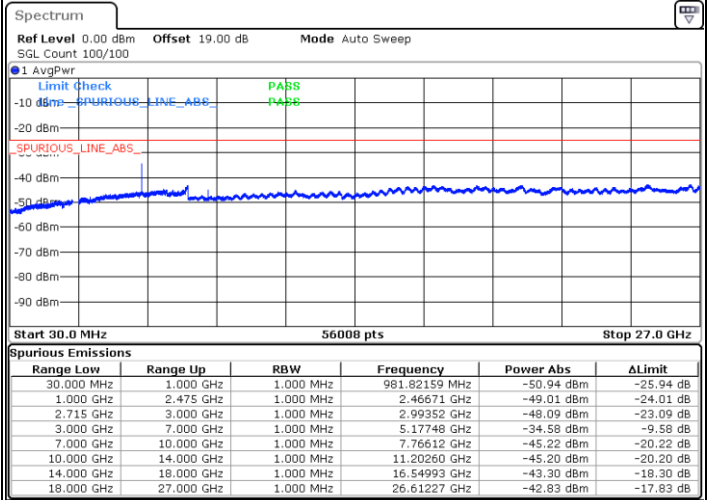
LTE Band 41 / 10MHz

Middle Channel / QPSK



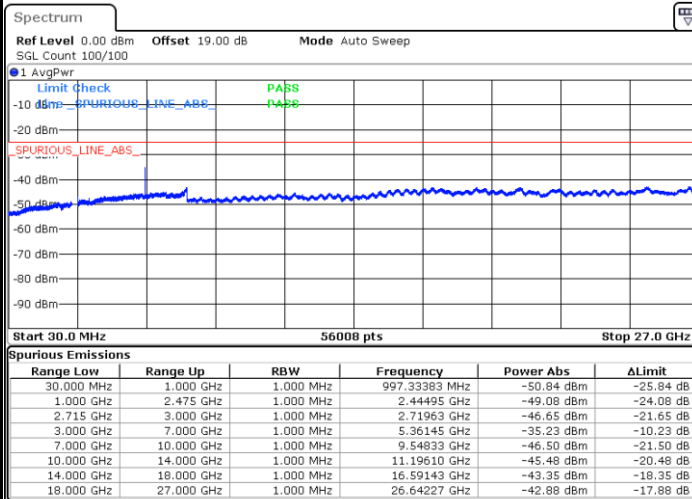
Date: 20.DEC.2020 22:07:56

Middle Channel / 16QAM



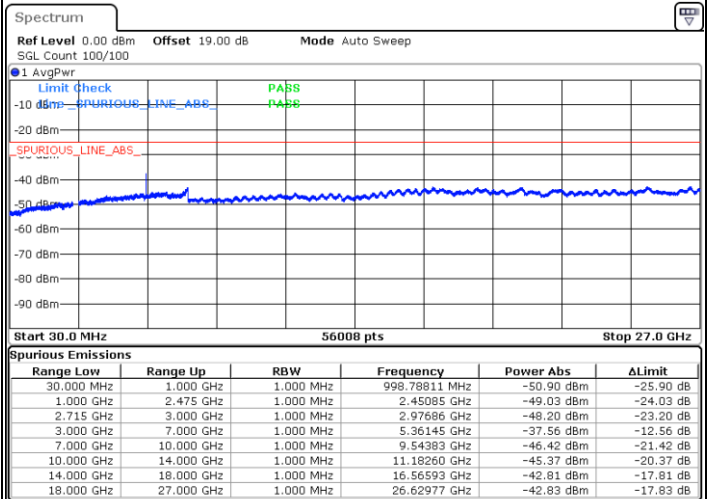
Date: 20.DEC.2020 22:09:24

Highest Channel / QPSK



Date: 20.DEC.2020 22:27:27

Highest Channel / 16QAM

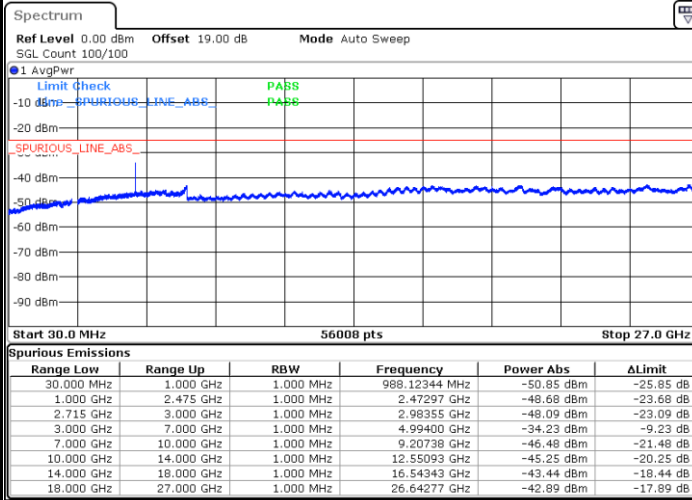


Date: 20.DEC.2020 22:14:31



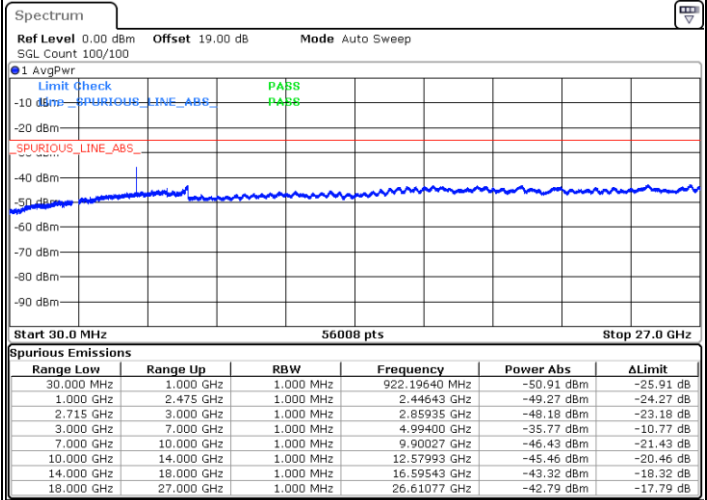
LTE Band 41 / 15MHz

Lowest Channel / QPSK



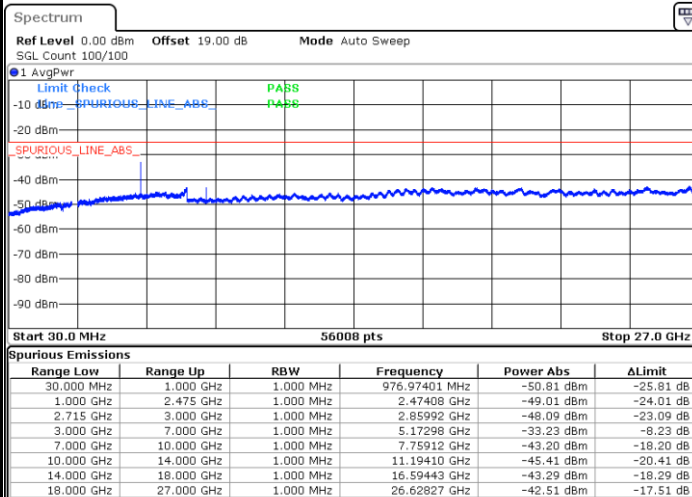
Date: 20.DEC.2020 23:51:15

Lowest Channel / 16QAM



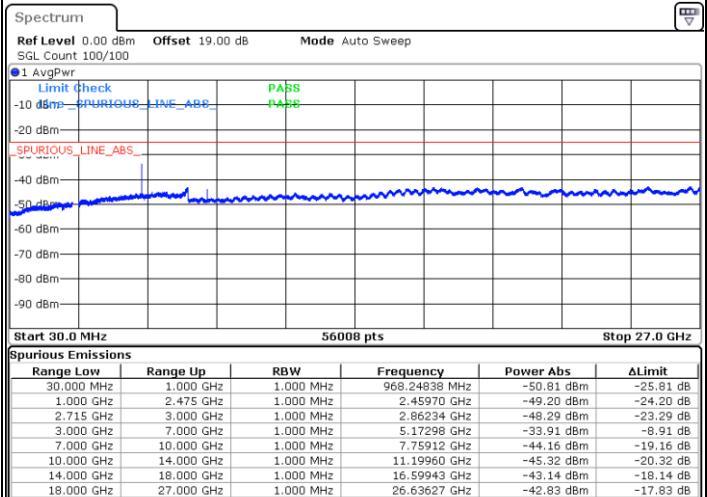
Date: 20.DEC.2020 23:47:12

Middle Channel / QPSK



Date: 20.DEC.2020 23:53:16

Middle Channel / 16QAM

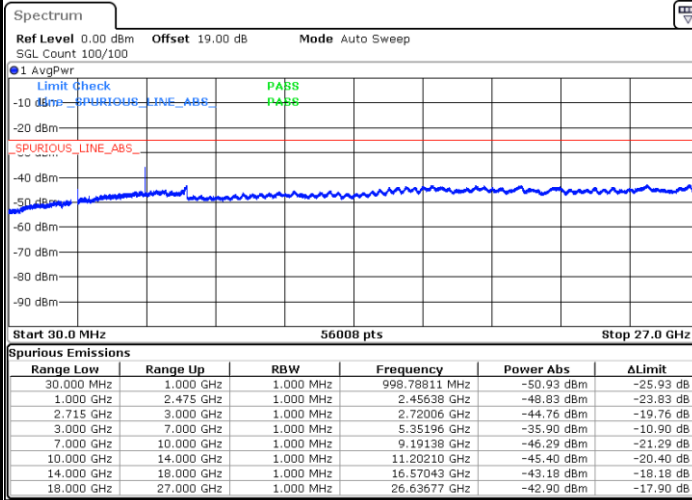


Date: 20.DEC.2020 23:55:17



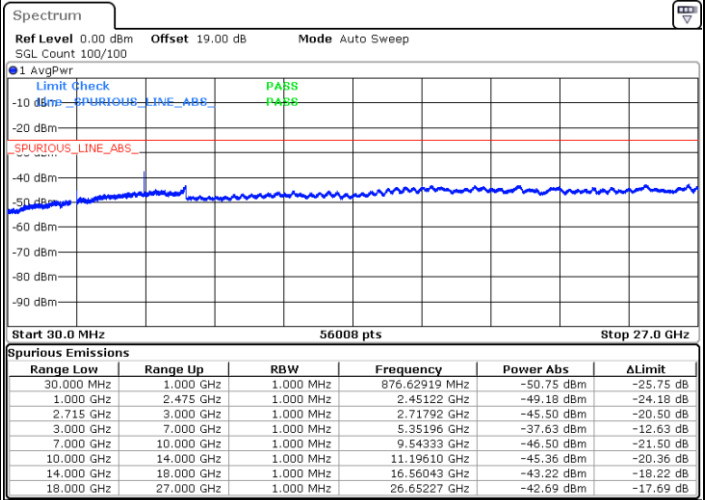
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 21.DEC.2020 00:02:29

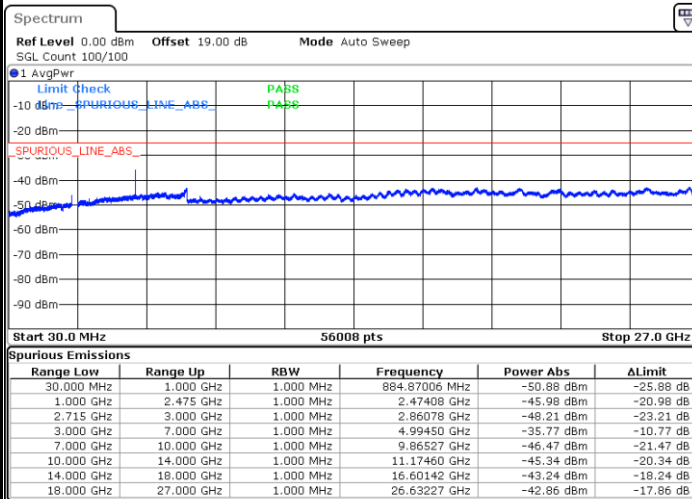
Highest Channel / 16QAM



Date: 21.DEC.2020 00:00:53

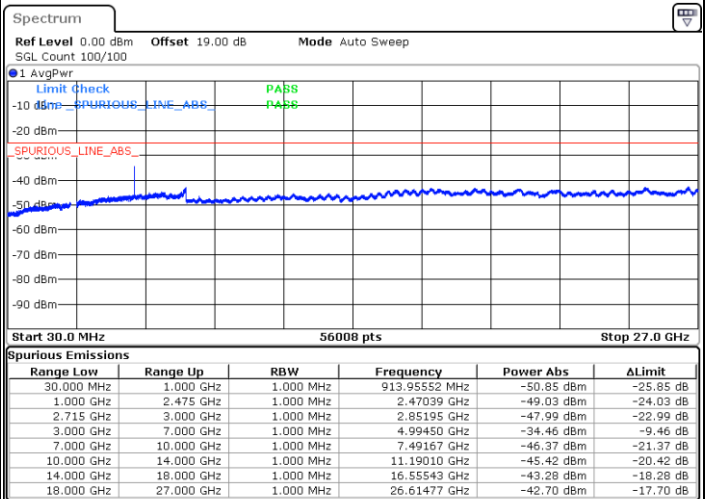
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 21.DEC.2020 01:21:13

Lowest Channel / 16QAM

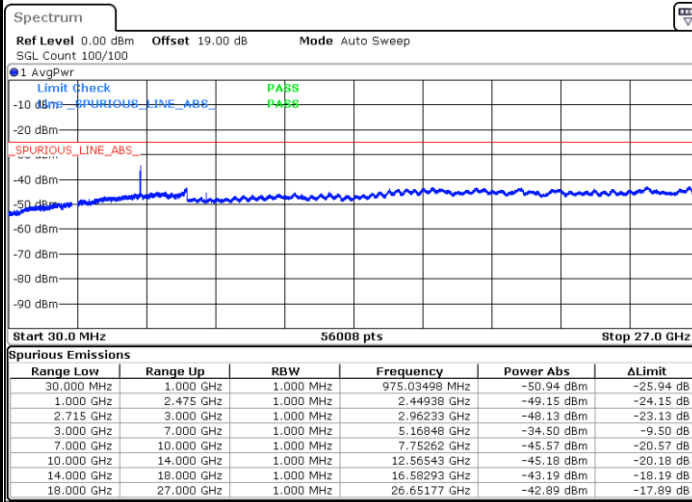


Date: 21.DEC.2020 01:18:21



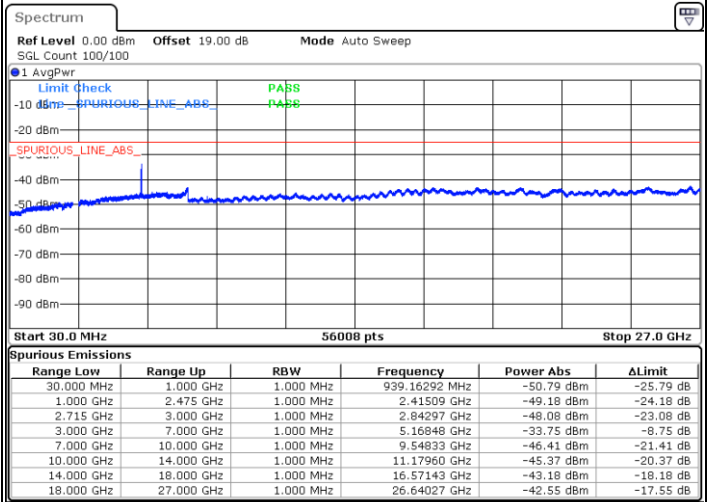
LTE Band 41 / 20MHz

Middle Channel / QPSK



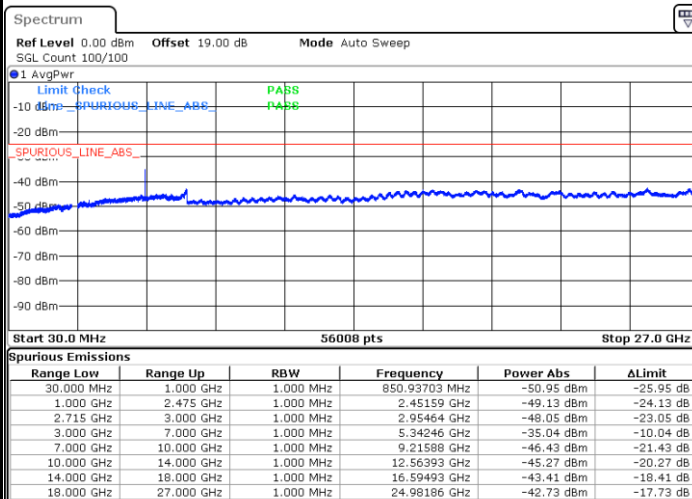
Date: 21.DEC.2020 01:25:43

Middle Channel / 16QAM



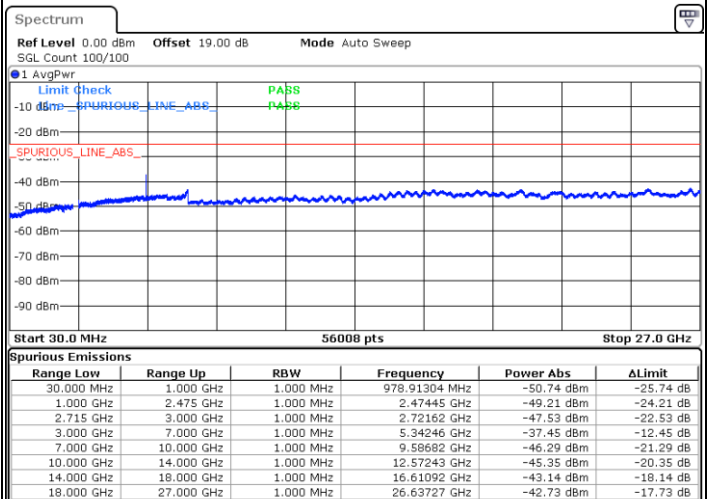
Date: 21.DEC.2020 01:27:05

Highest Channel / QPSK



Date: 21.DEC.2020 01:33:02

Highest Channel / 16QAM

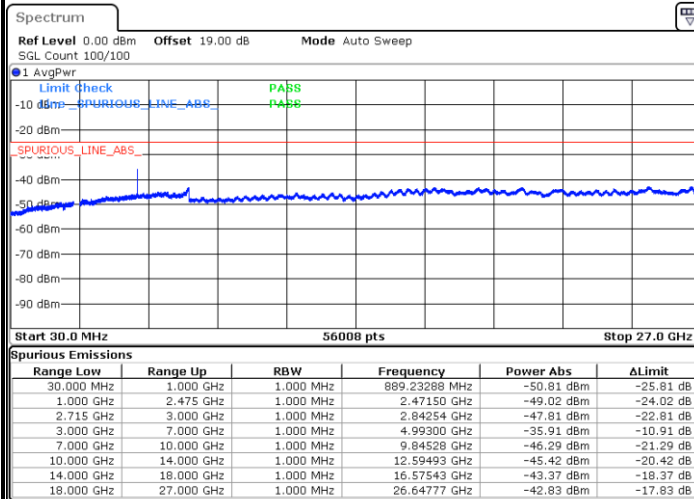


Date: 21.DEC.2020 01:31:38



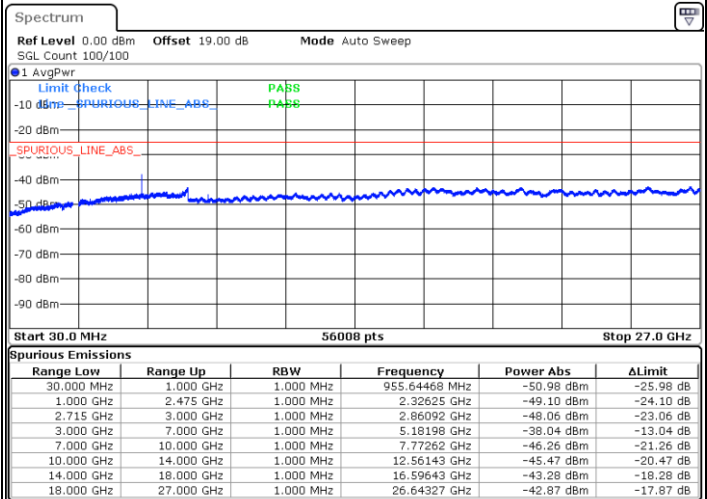
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



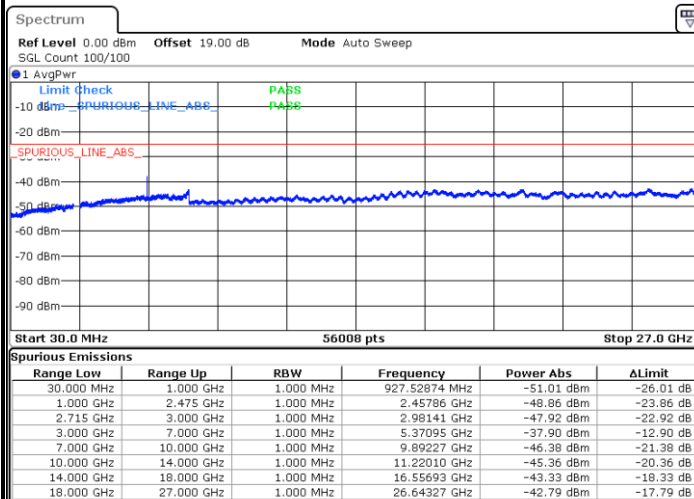
Date: 20.DEC.2020 19:57:26

Middle Channel / 64QAM



Date: 20.DEC.2020 20:47:21

Highest Channel / 64QAM

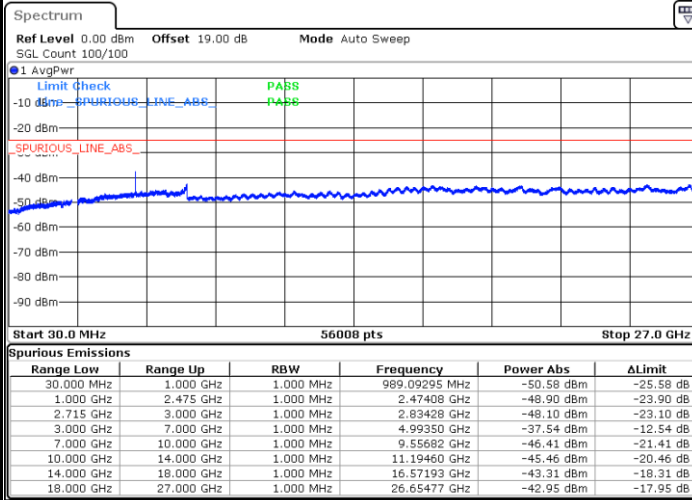


Date: 20.DEC.2020 20:50:24



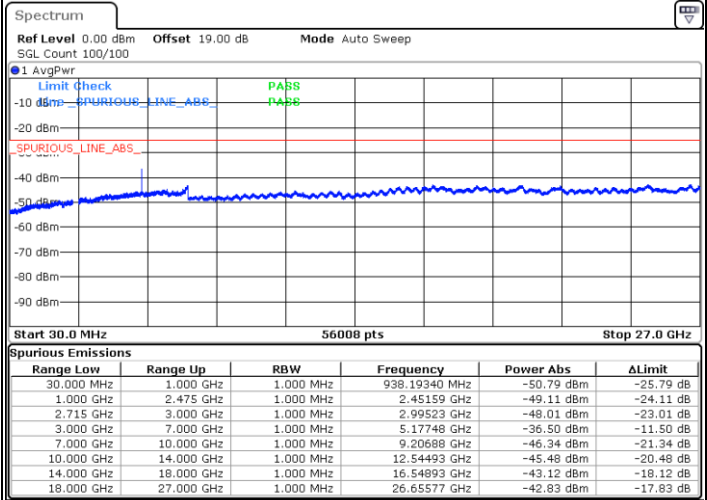
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



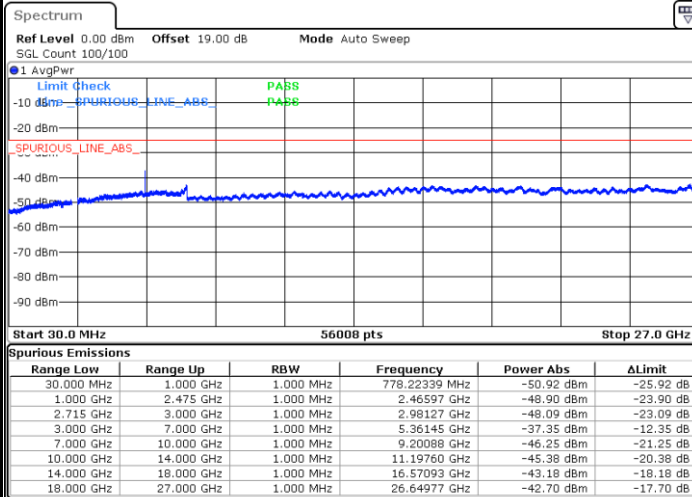
Date: 20.DEC.2020 21:52:35

Middle Channel / 64QAM



Date: 20.DEC.2020 22:10:48

Highest Channel / 64QAM

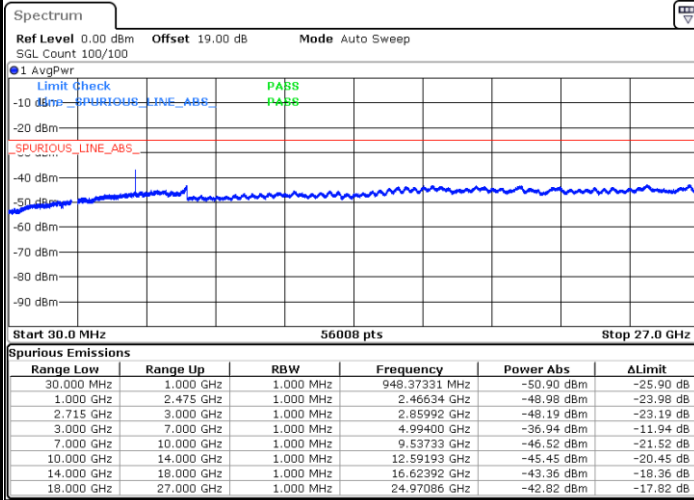


Date: 20.DEC.2020 22:12:57



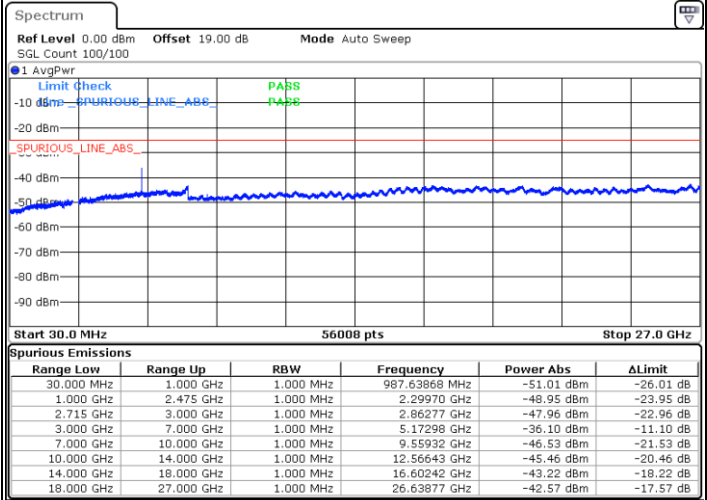
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



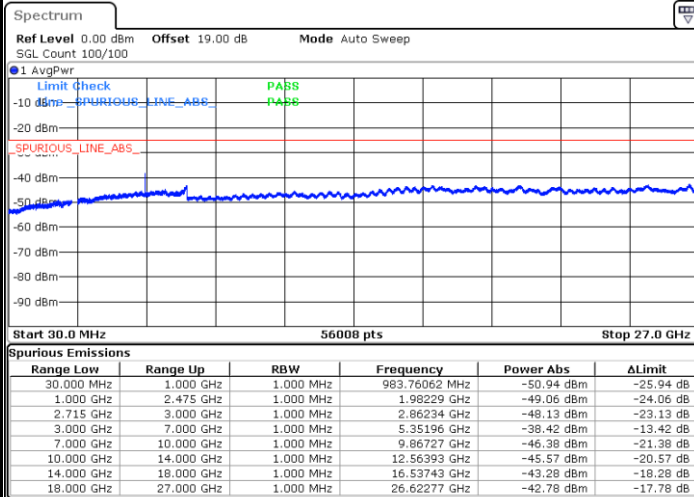
Date: 20.DEC.2020 23:43:35

Middle Channel / 64QAM



Date: 20.DEC.2020 23:56:46

Highest Channel / 64QAM

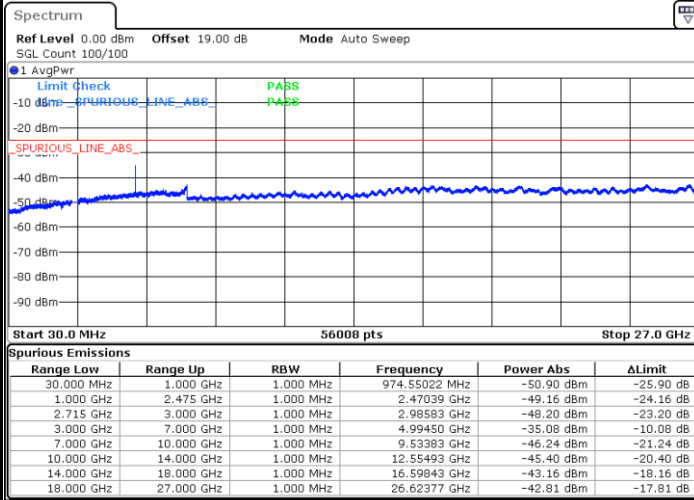


Date: 20.DEC.2020 23:59:23



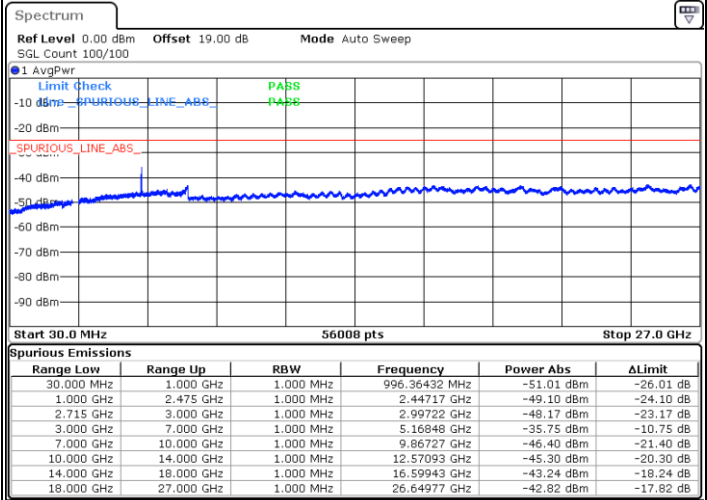
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



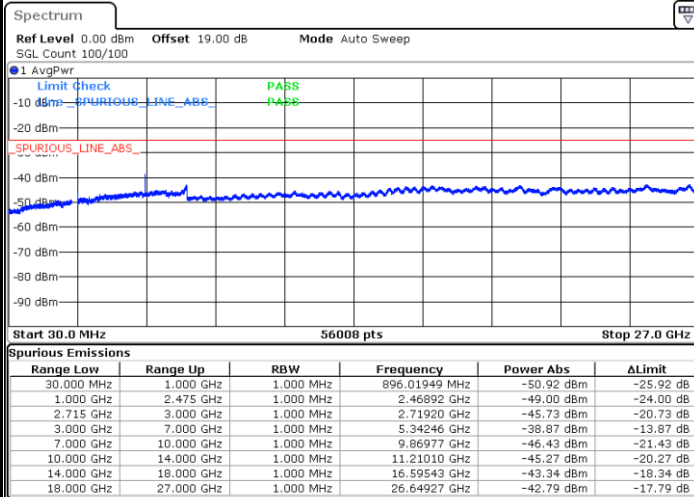
Date: 21.DEC.2020 01:15:26

Middle Channel / 64QAM



Date: 21.DEC.2020 01:28:29

Highest Channel / 64QAM



Date: 21.DEC.2020 01:30:17

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0089	
-10	Normal Voltage	0.0076	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

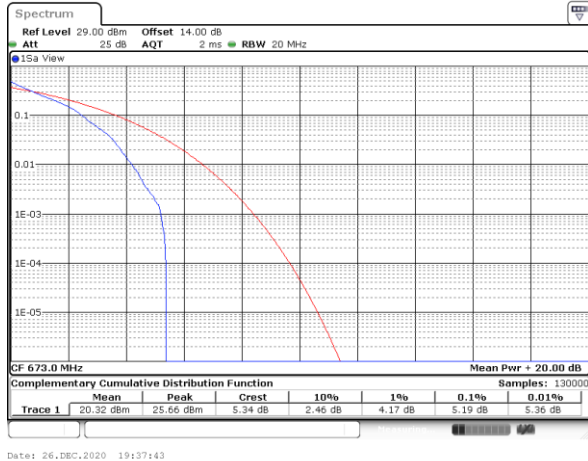
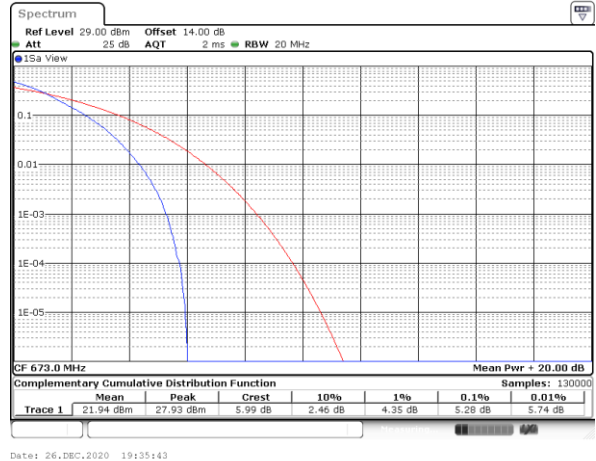
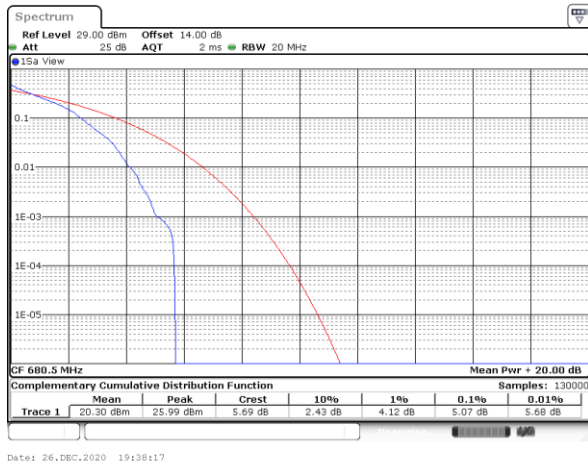
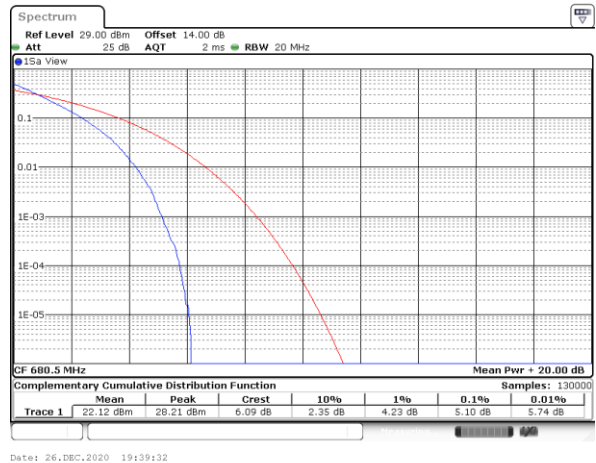
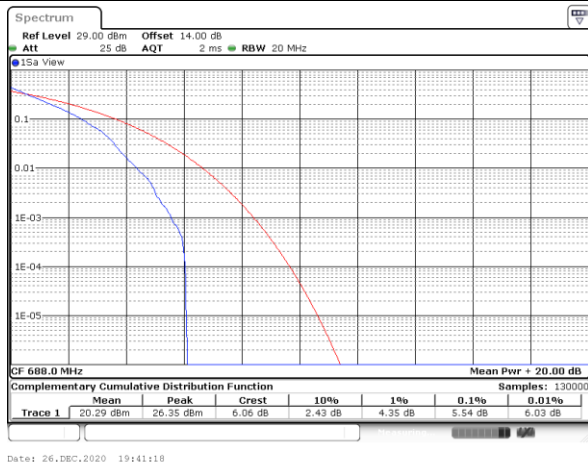
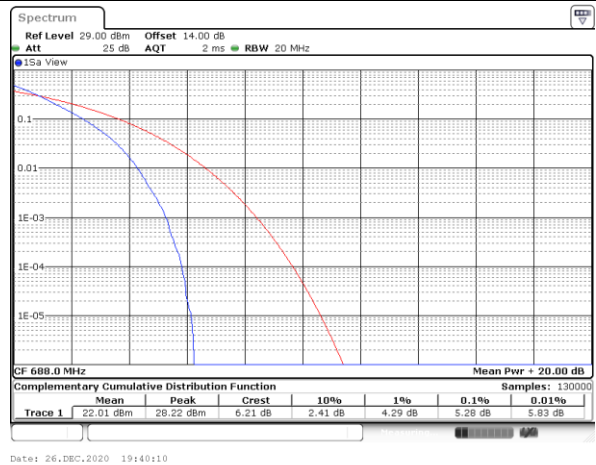
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

Peak-to-Average Ratio

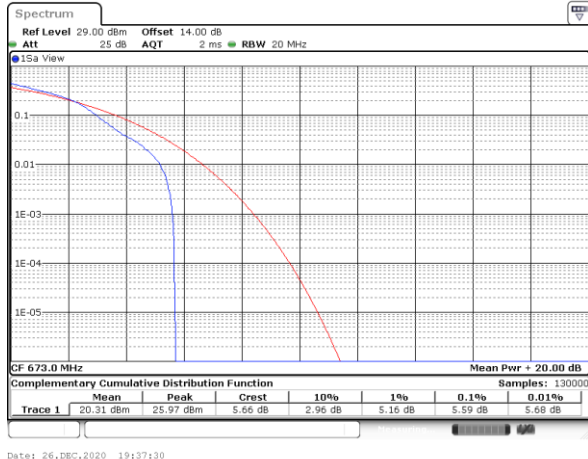
Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.28	5.59	6.03	PASS
Middle CH	5.07	5.10	6.20	5.86	
Highest CH	5.54	5.28	6.03	6.06	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.42	6.09	-	-	PASS
Middle CH	6.29	5.94	-	-	
Highest CH	6.26	6.17	-	-	

LTE Band 71 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


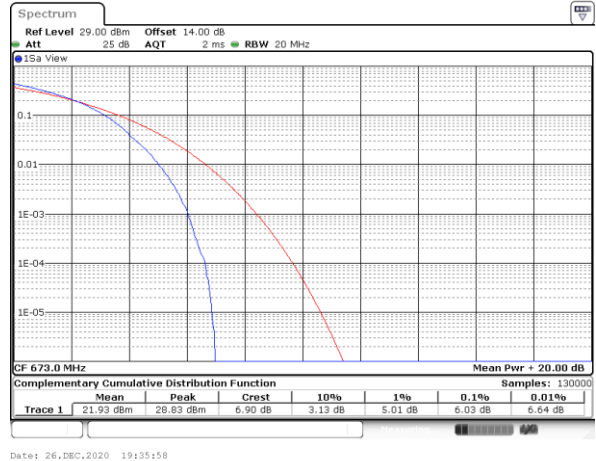


LTE Band 71 / 20MHz / 16QAM

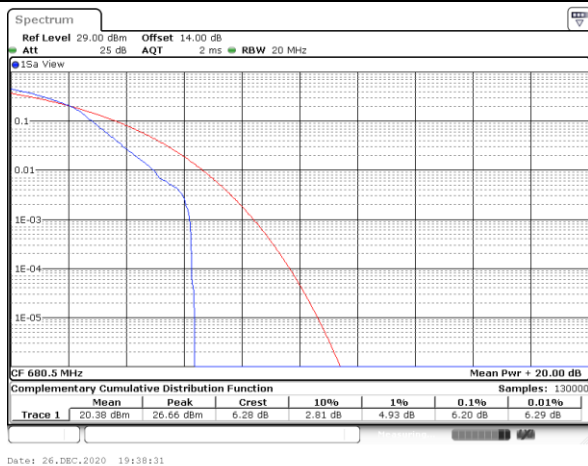
Lowest Channel / 1RB



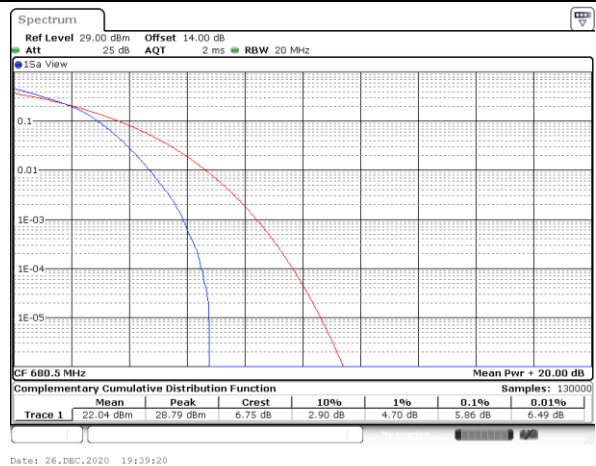
Lowest Channel / Full RB



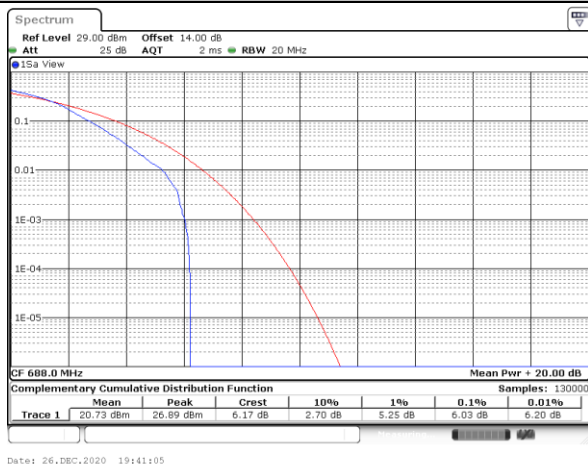
Middle Channel / 1RB



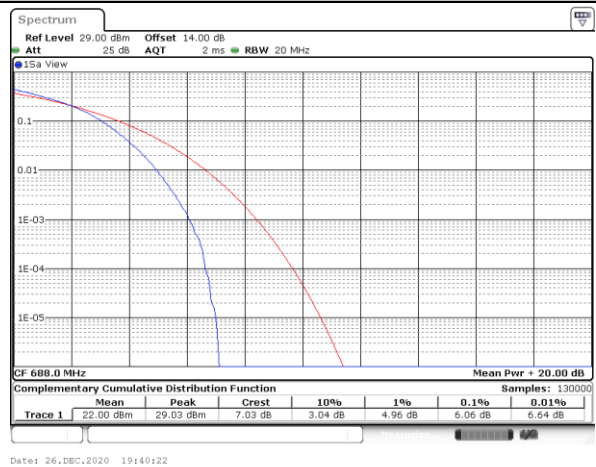
Middle Channel / Full RB

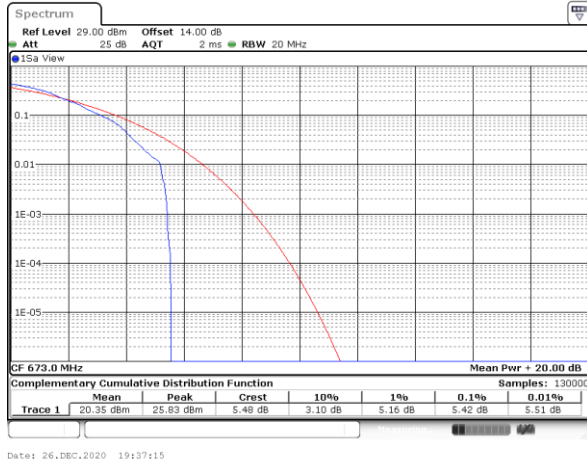
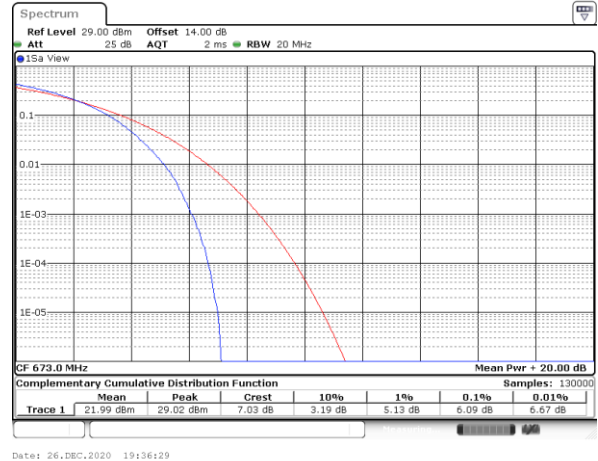
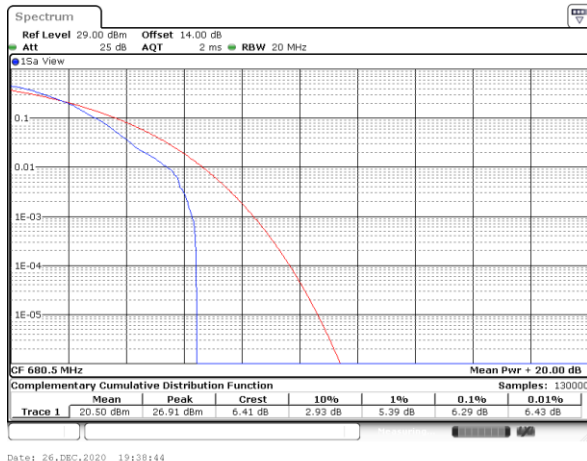
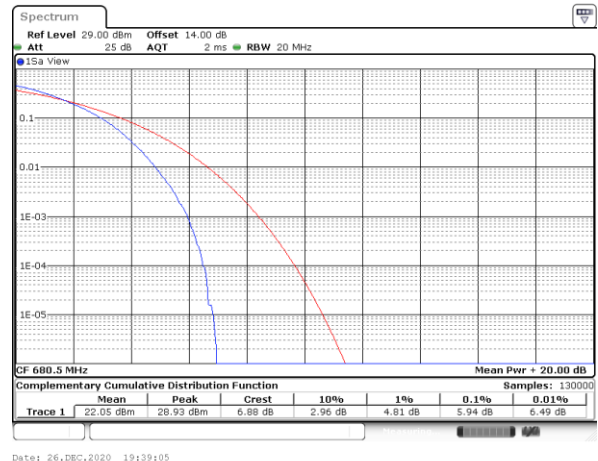
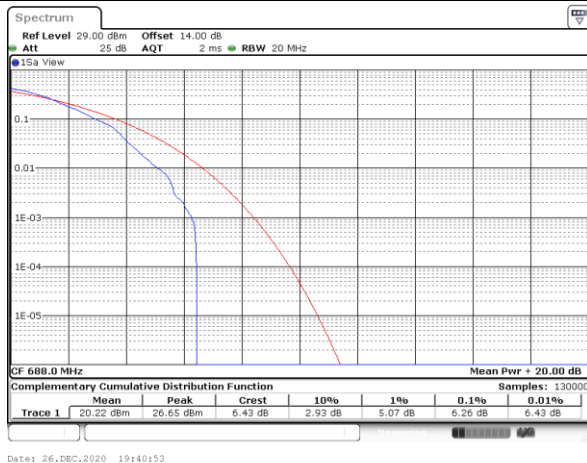
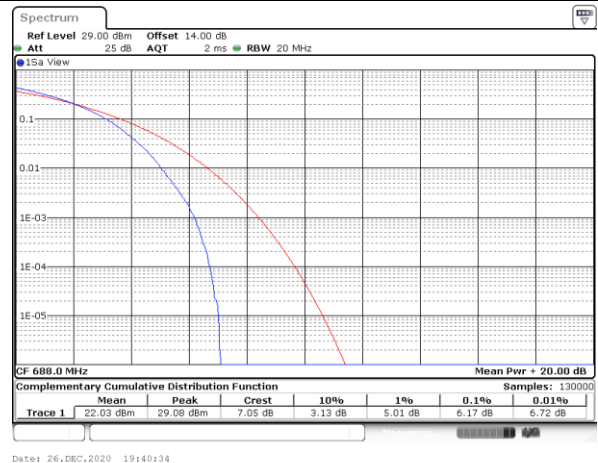


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 71 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


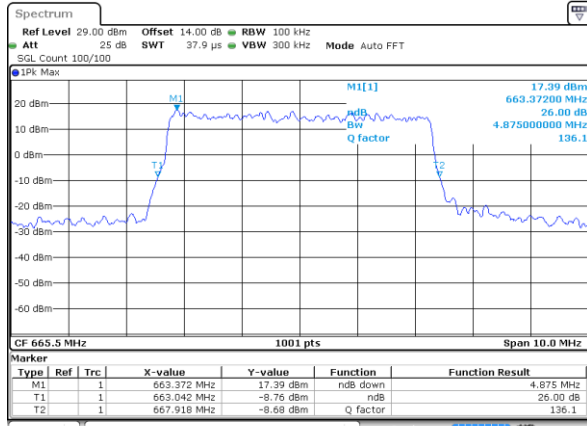
**26dB Bandwidth**

Mode	LTE Band 71 : 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	-	-	-	-	4.88	4.96	9.73	9.71	14.24	14.18	18.82	18.94
Middle CH	-	-	-	-	4.89	4.87	9.83	9.73	14.24	14.51	19.02	18.90
Highest CH	-	-	-	-	4.88	4.87	9.85	9.77	14.39	14.27	18.86	18.86
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	9.81	-	14.24	-	18.98	-
Middle CH	-	-	-	-	4.95	-	9.95	-	14.48	-	18.94	-
Highest CH	-	-	-	-	4.89	-	9.75	-	14.21	-	18.86	-



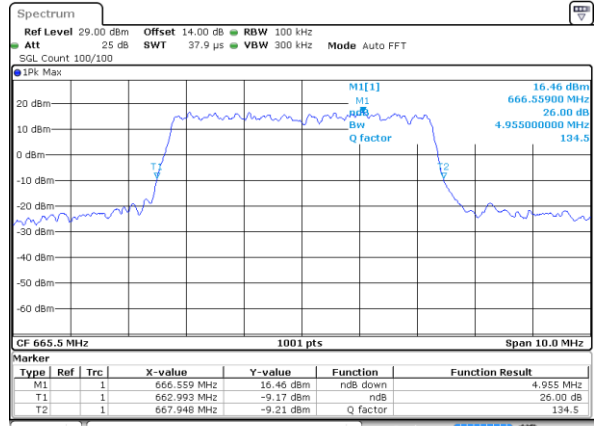
LTE Band 71

Lowest Channel / 5MHz / QPSK



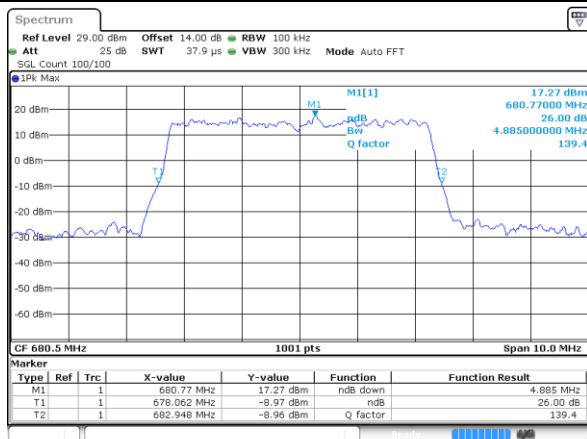
Date: 19 DEC 2020 10:26:50

Lowest Channel / 5MHz / 16QAM



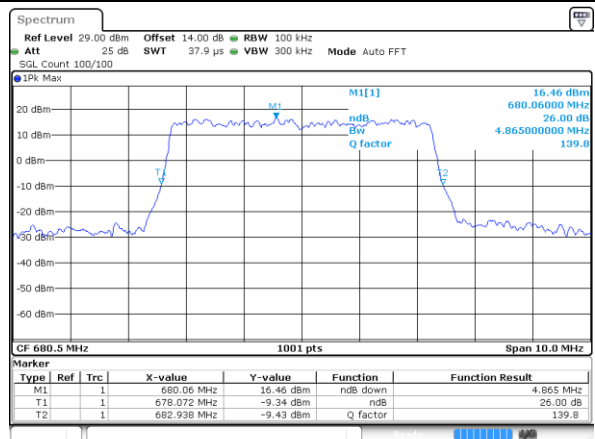
Date: 19 DEC 2020 10:28:19

Middle Channel / 5MHz / QPSK



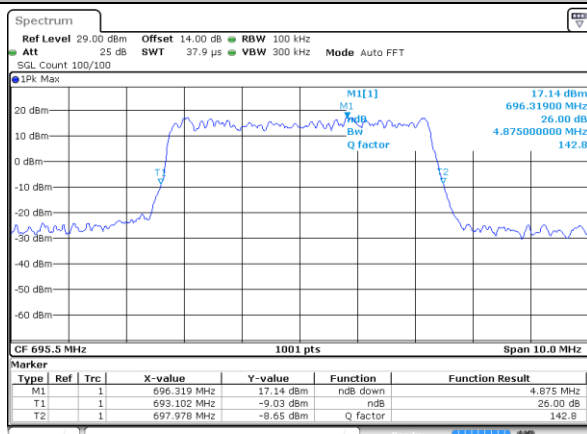
Date: 19 DEC 2020 10:39:17

Middle Channel / 5MHz / 16QAM



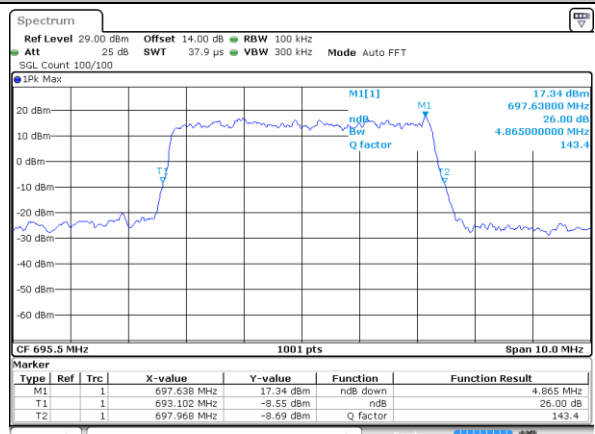
Date: 19 DEC 2020 10:39:00

Highest Channel / 5MHz / QPSK



Date: 19 DEC 2020 10:39:58

Highest Channel / 5MHz / 16QAM

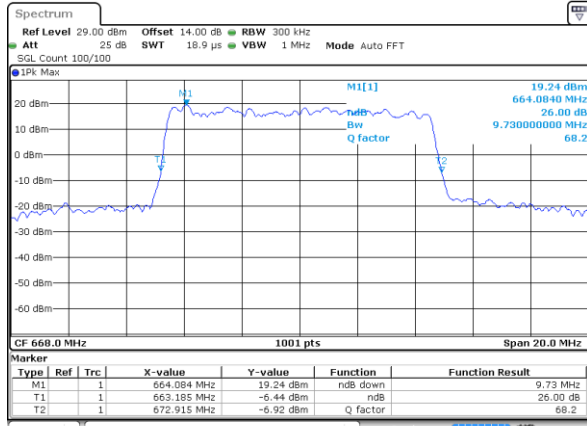


Date: 19 DEC 2020 10:41:01



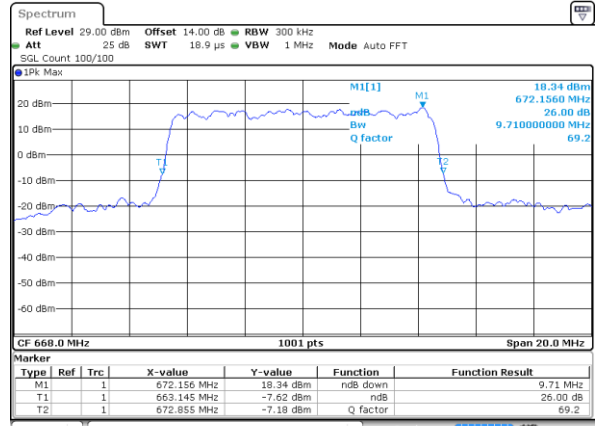
LTE Band 71

Lowest Channel / 10MHz / QPSK



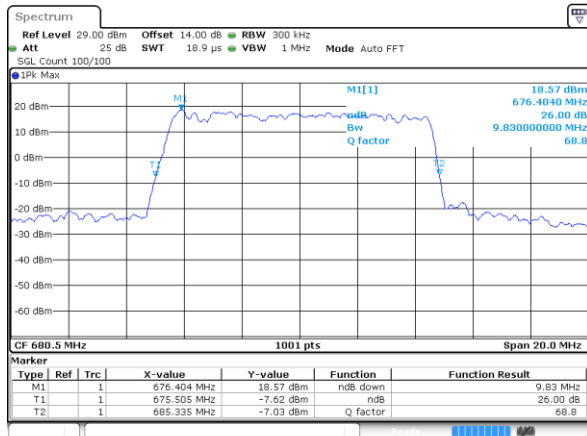
Date: 19 DEC 2020 10:48:31

Lowest Channel / 10MHz / 16QAM



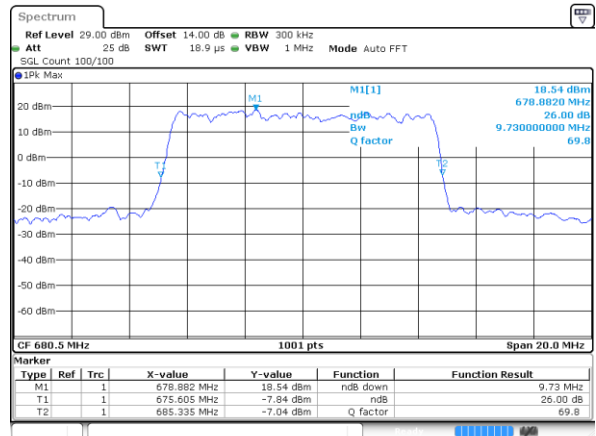
Date: 19 DEC 2020 10:49:27

Middle Channel / 10MHz / QPSK



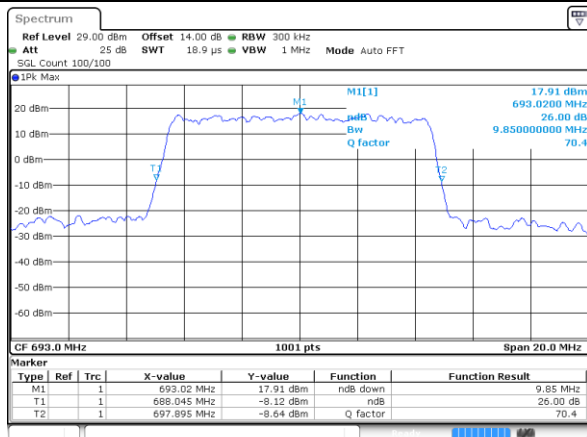
Date: 19 DEC 2020 10:56:12

Middle Channel / 10MHz / 16QAM



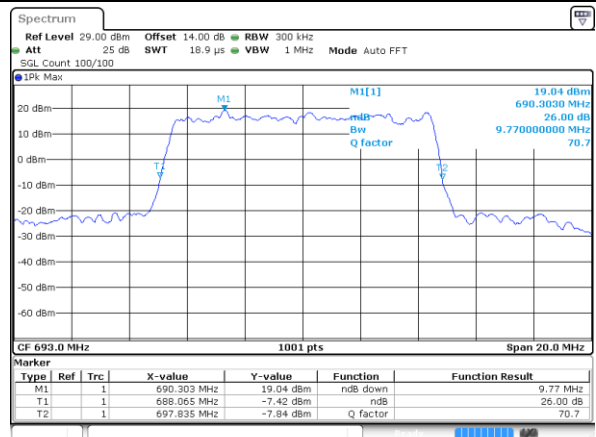
Date: 19 DEC 2020 10:55:50

Highest Channel / 10MHz / QPSK



Date: 19 DEC 2020 10:56:45

Highest Channel / 10MHz / 16QAM

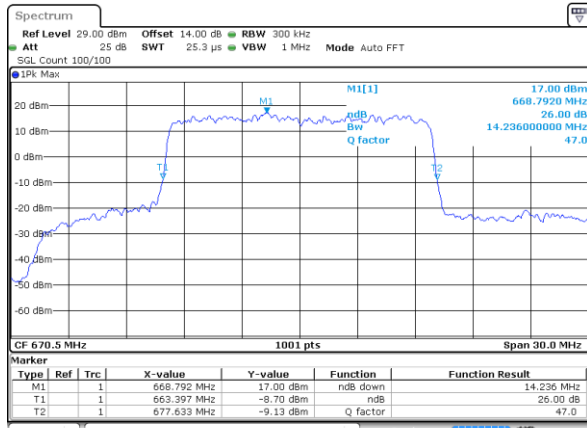


Date: 19 DEC 2020 10:57:38

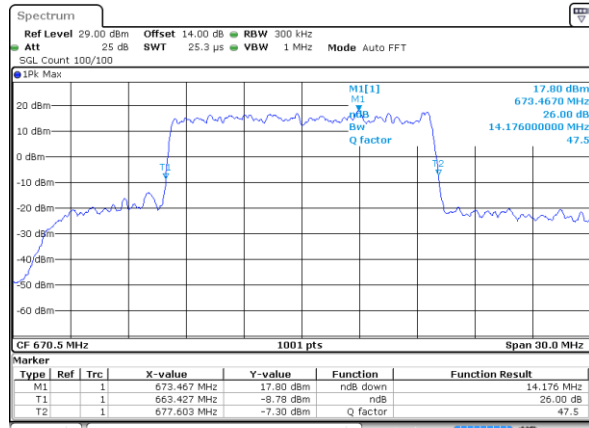


LTE Band 71

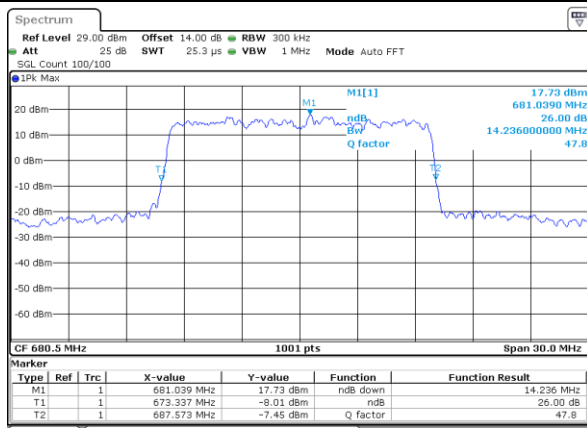
Lowest Channel / 15MHz / QPSK



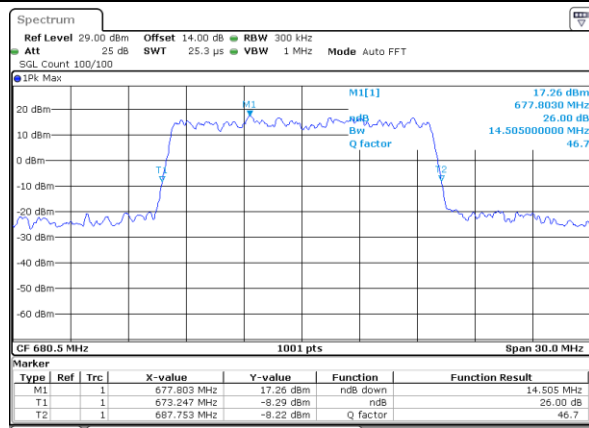
Lowest Channel / 15MHz / 16QAM



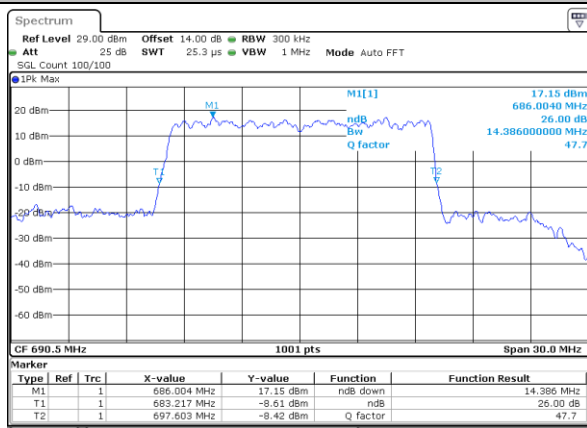
Middle Channel / 15MHz / QPSK



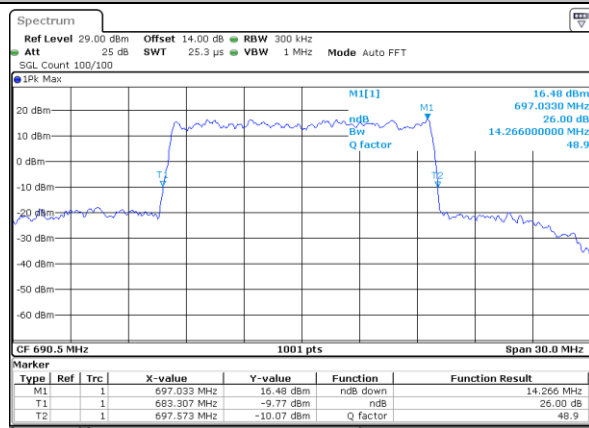
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



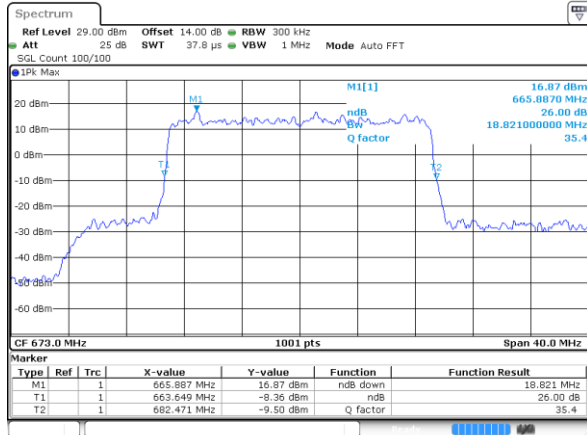
Highest Channel / 15MHz / 16QAM





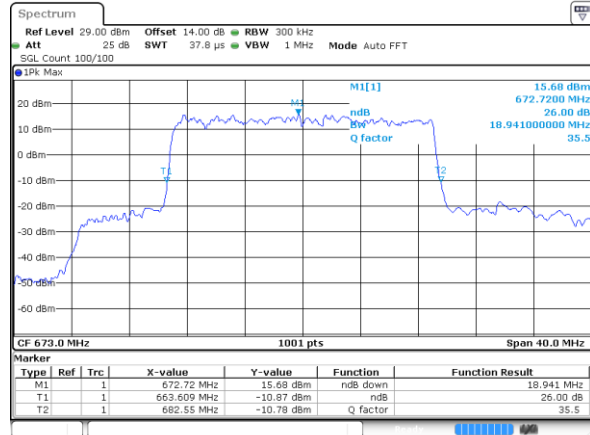
LTE Band 71

Lowest Channel / 20MHz / QPSK



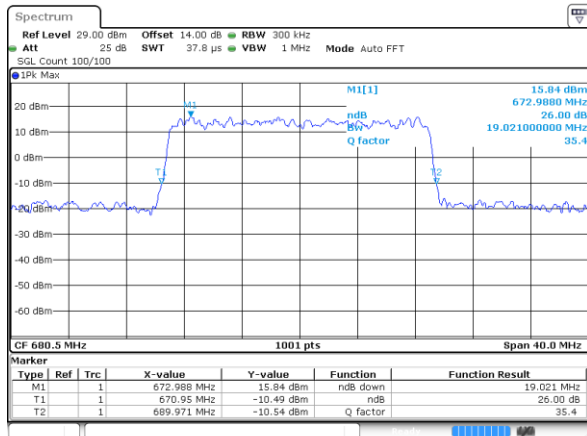
Date: 19 DEC 2020 11:45:32

Lowest Channel / 20MHz / 16QAM



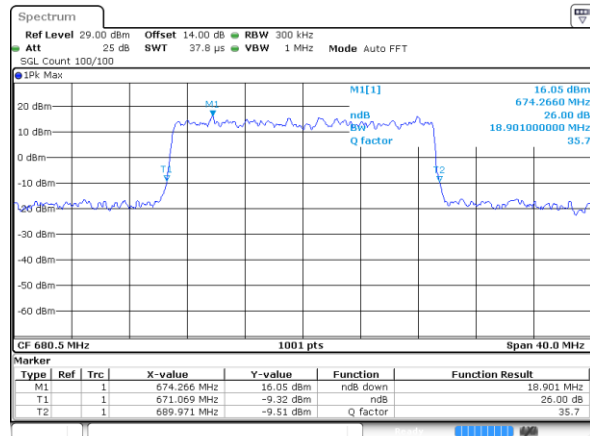
Date: 19 DEC 2020 11:46:44

Middle Channel / 20MHz / QPSK



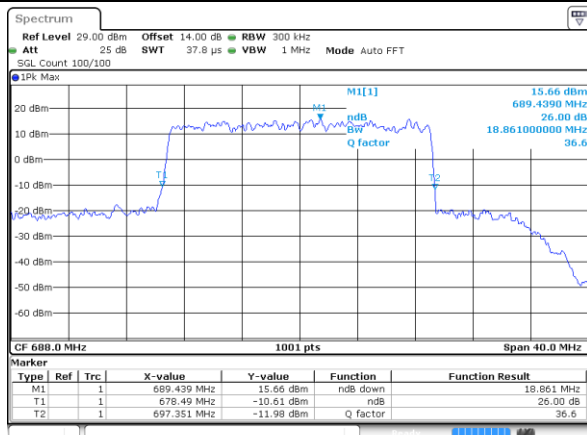
Date: 19 DEC 2020 12:14:18

Middle Channel / 20MHz / 16QAM



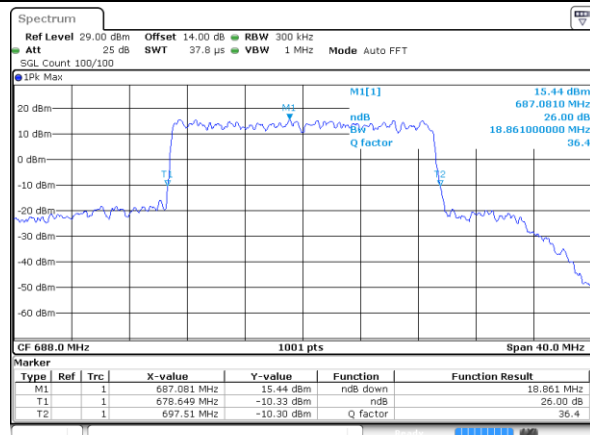
Date: 19 DEC 2020 12:14:00

Highest Channel / 20MHz / QPSK



Date: 19 DEC 2020 12:14:51

Highest Channel / 20MHz / 16QAM

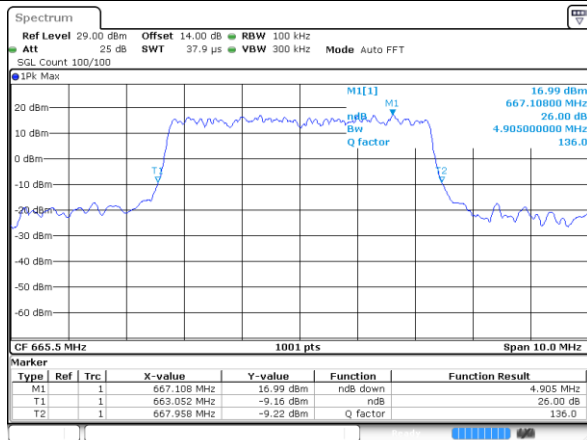


Date: 19 DEC 2020 12:15:45



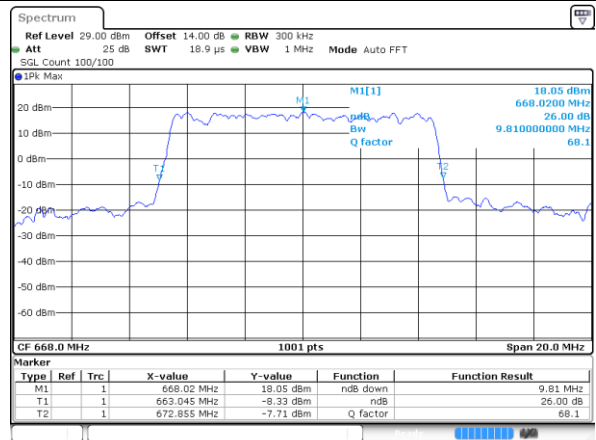
LTE Band 71

Lowest Channel / 5MHz / 64QAM



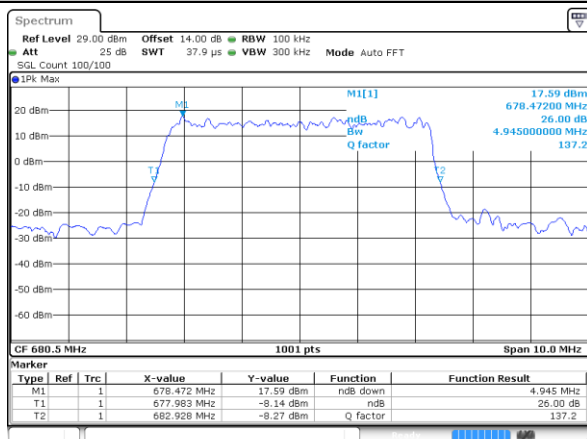
Date: 19 DEC 2020 10:29:20

Lowest Channel / 10MHz / 64QAM



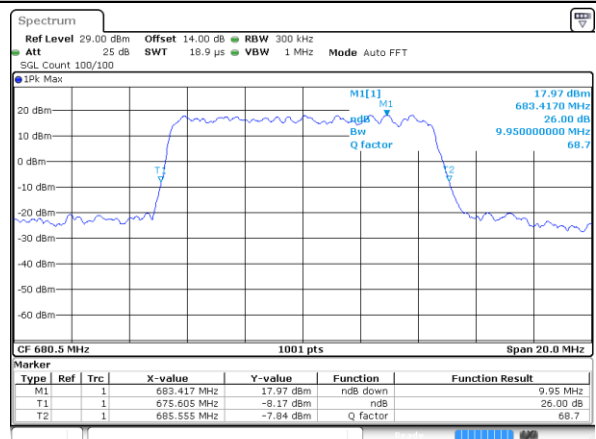
Date: 19 DEC 2020 10:50:16

Middle Channel / 5MHz / 64QAM



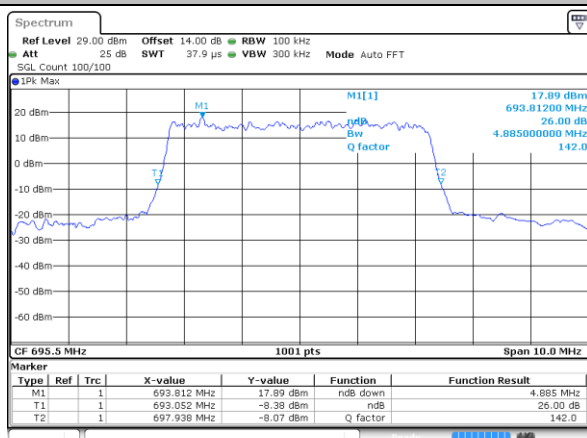
Date: 19 DEC 2020 10:38:41

Middle Channel / 10MHz / 64QAM



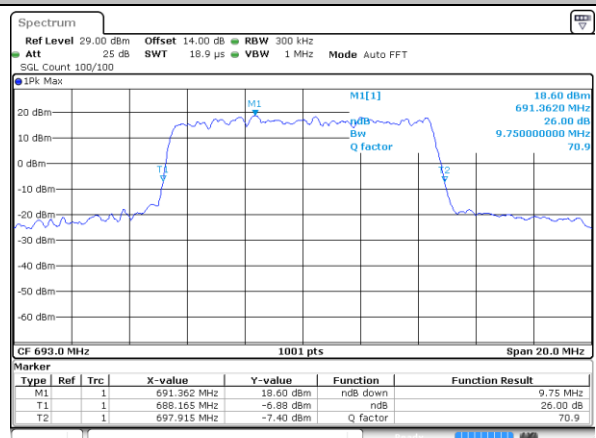
Date: 19 DEC 2020 10:55:33

Highest Channel / 5MHz / 64QAM



Date: 19 DEC 2020 10:42:44

Highest Channel / 10MHz / 64QAM

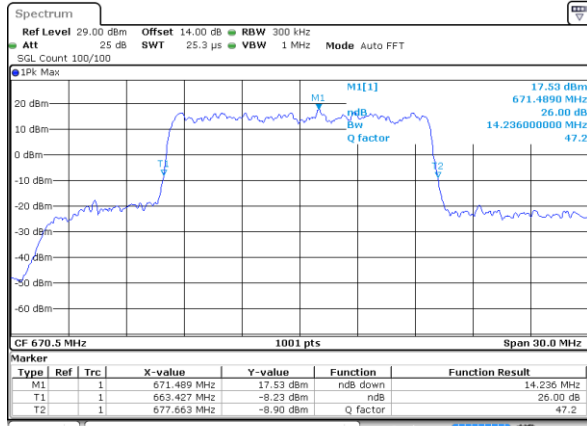


Date: 19 DEC 2020 10:58:37

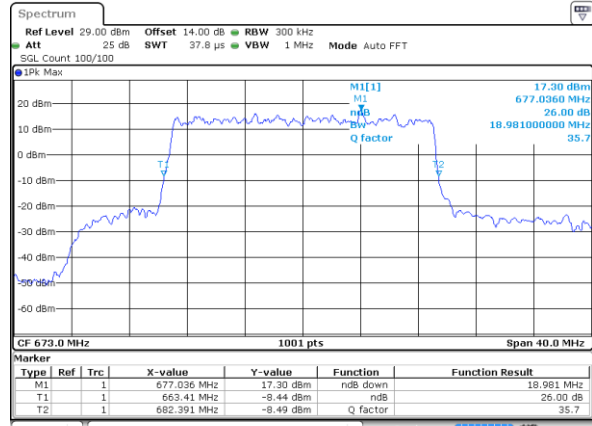


LTE Band 71

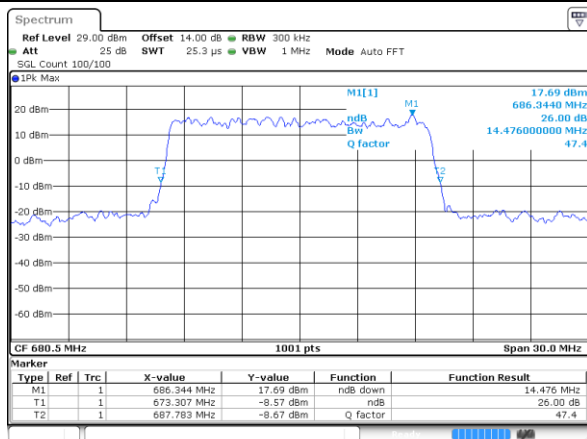
Lowest Channel / 15MHz / 64QAM



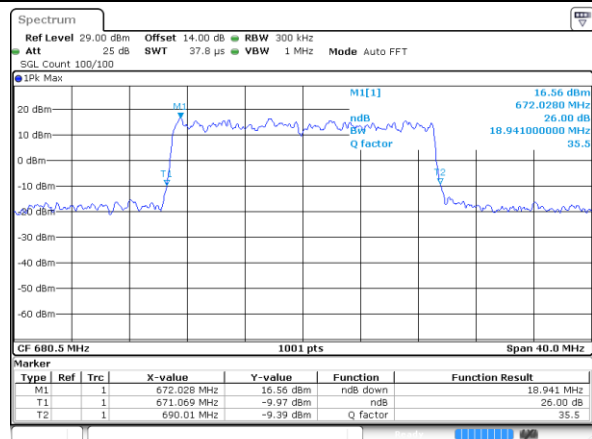
Lowest Channel / 20MHz / 64QAM



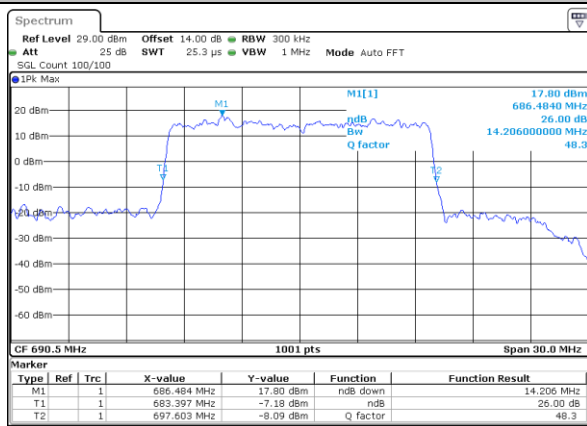
Middle Channel / 15MHz / 64QAM



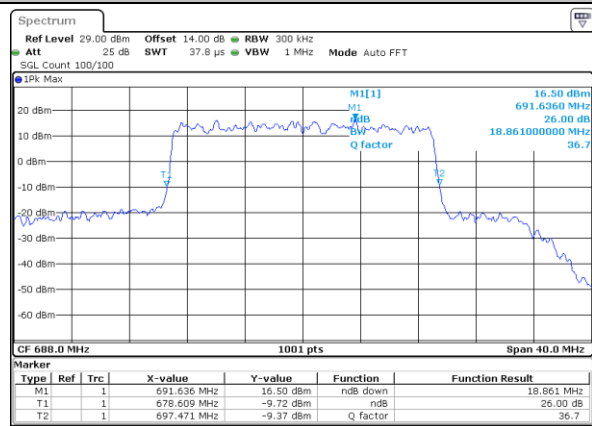
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



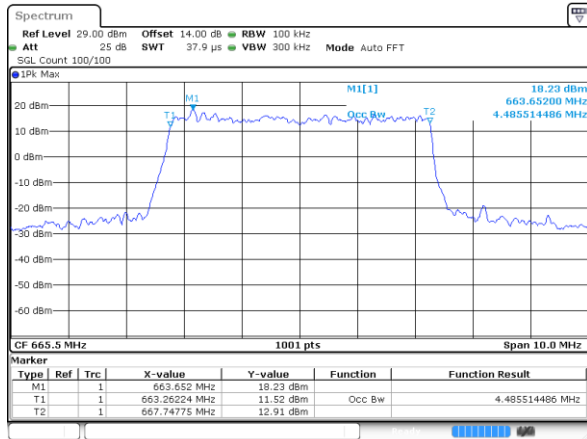
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.49	4.50	9.11	9.05	13.43	13.43	17.94	17.86
Middle CH					4.49	4.47	9.09	9.05	13.46	13.43	17.98	17.90
Highest CH					4.49	4.49	9.01	9.01	13.37	13.43	17.98	17.86
Mode	LTE Band 71 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.48	-	9.01	-	13.52	-	17.90	-
Middle CH					4.49	-	9.03	-	13.46	-	17.94	-
Highest CH					4.50	-	9.03	-	13.34	-	17.90	-

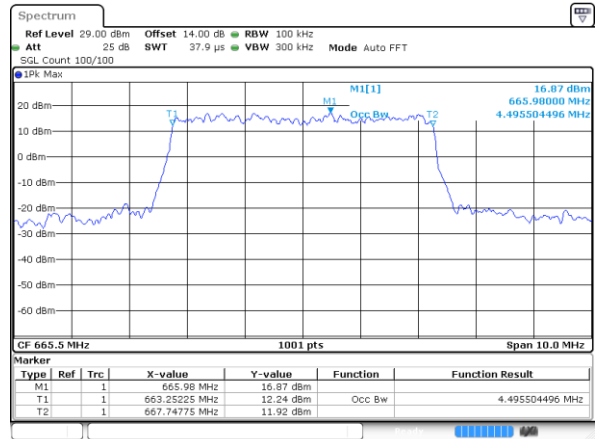


LTE Band 71

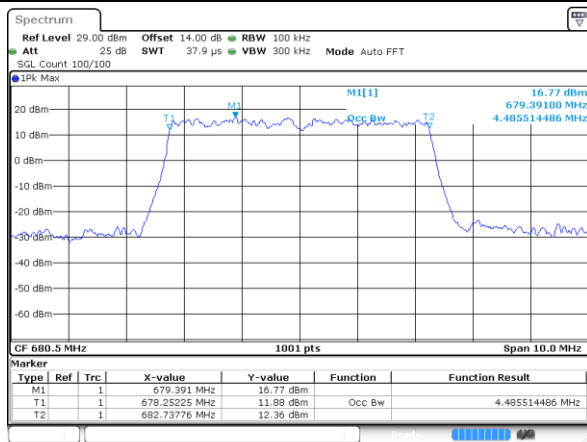
Lowest Channel / 5MHz / QPSK



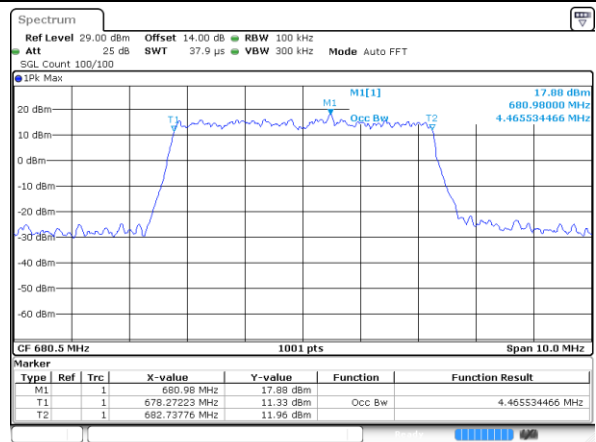
Lowest Channel / 5MHz / 16QAM



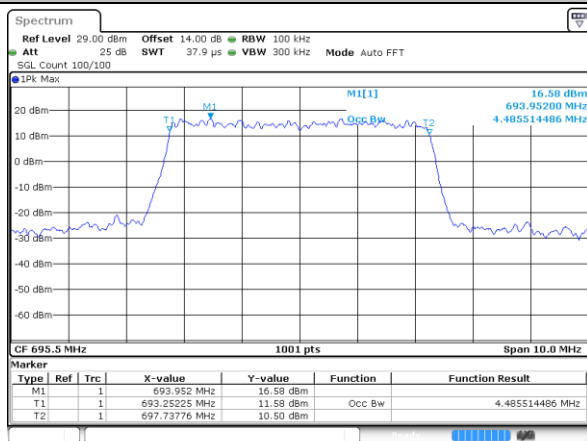
Middle Channel / 5MHz / QPSK



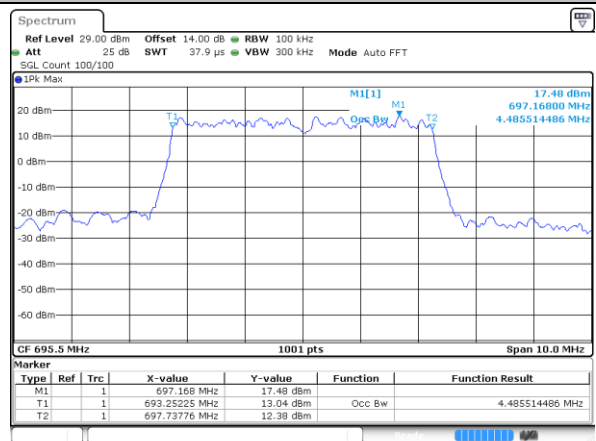
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



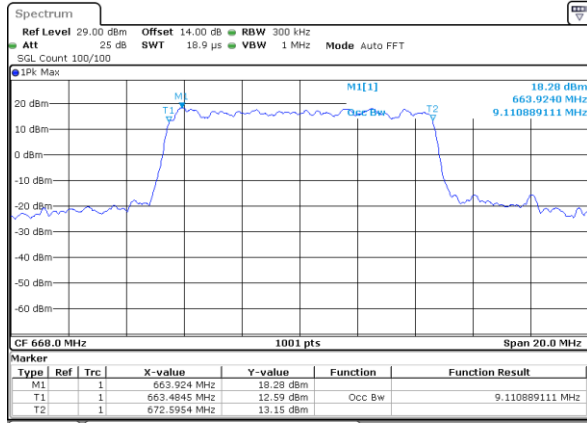
Highest Channel / 5MHz / 16QAM



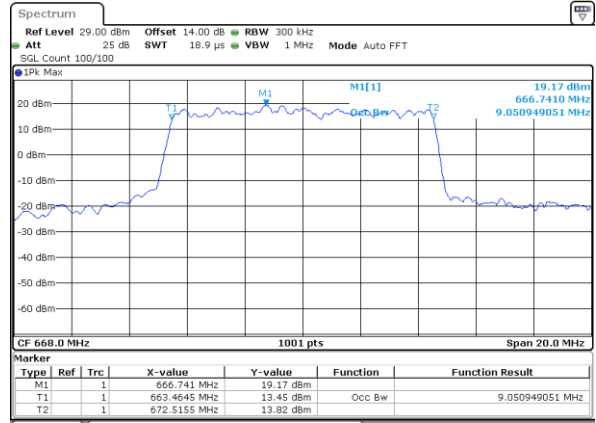


LTE Band 71

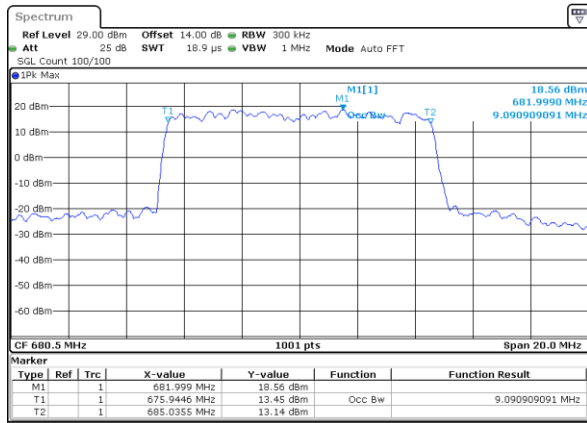
Lowest Channel / 10MHz / QPSK



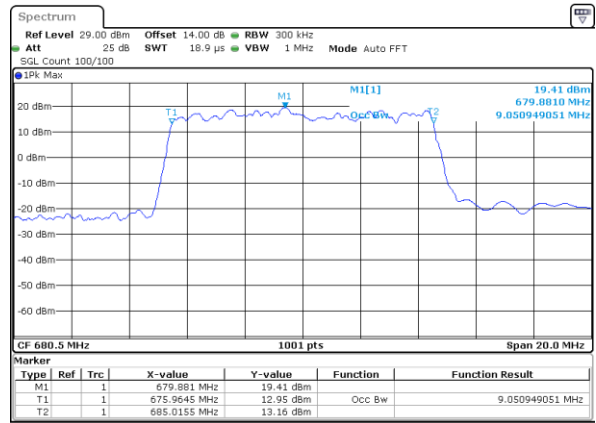
Lowest Channel / 10MHz / 16QAM



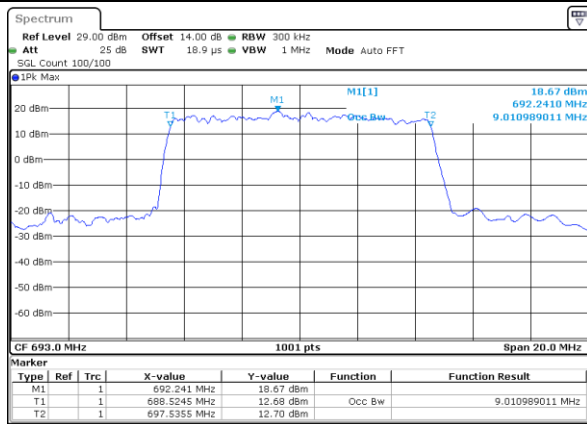
Middle Channel / 10MHz / QPSK



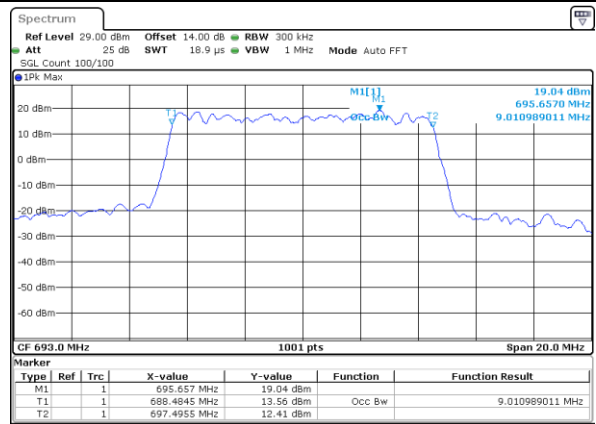
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



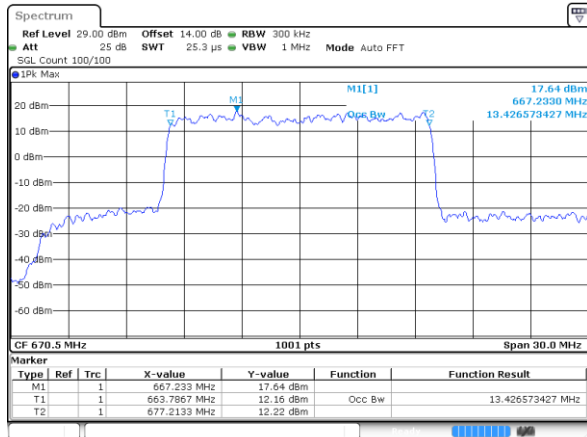
Highest Channel / 10MHz / 16QAM





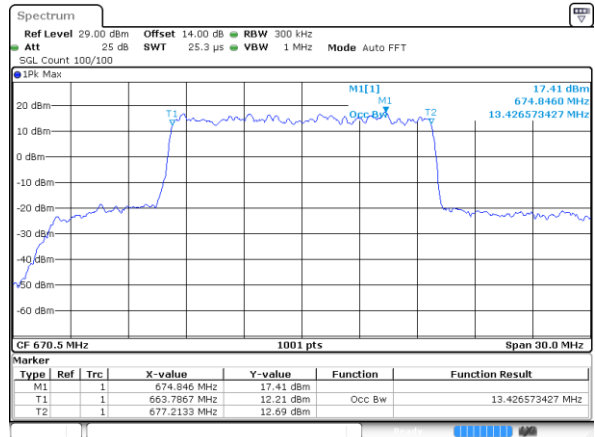
LTE Band 71

Lowest Channel / 15MHz / QPSK



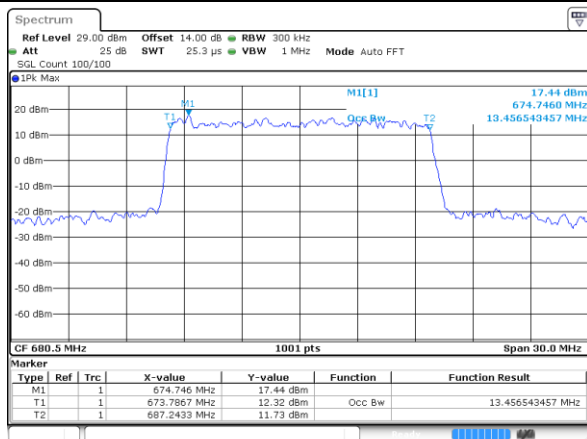
Date: 19 DEC 2020 11:05:17

Lowest Channel / 15MHz / 16QAM



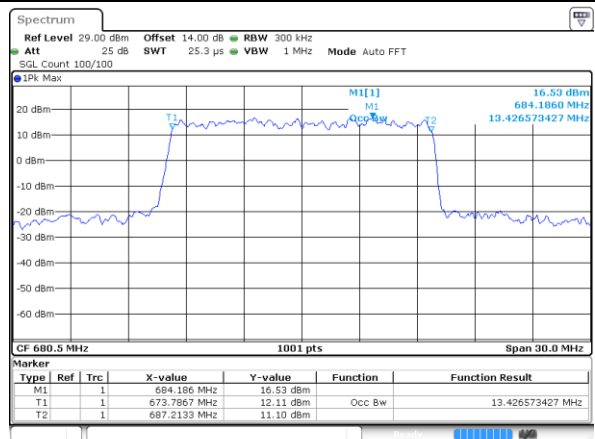
Date: 19 DEC 2020 11:05:29

Middle Channel / 15MHz / QPSK



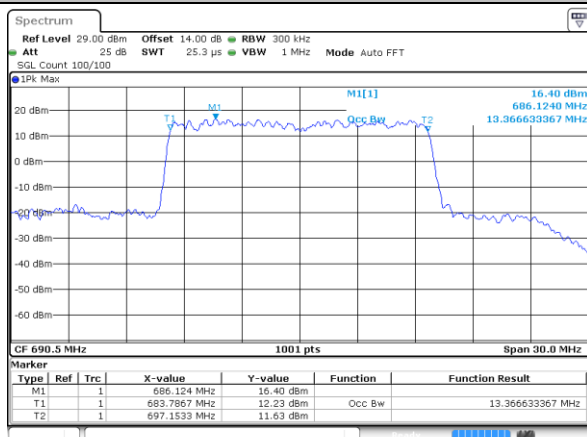
Date: 19 DEC 2020 11:12:34

Middle Channel / 15MHz / 16QAM



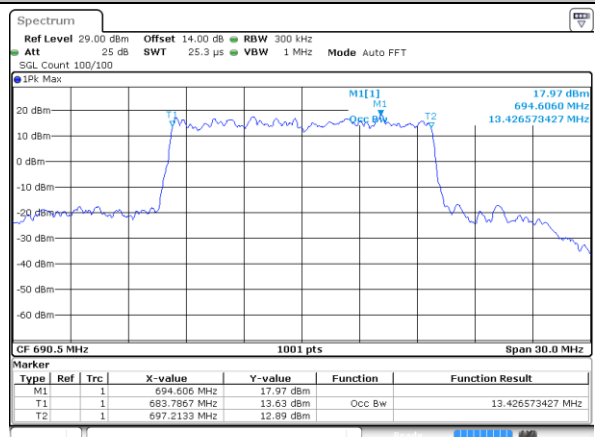
Date: 19 DEC 2020 11:12:16

Highest Channel / 15MHz / QPSK



Date: 19 DEC 2020 11:13:11

Highest Channel / 15MHz / 16QAM



Date: 19 DEC 2020 11:14:02