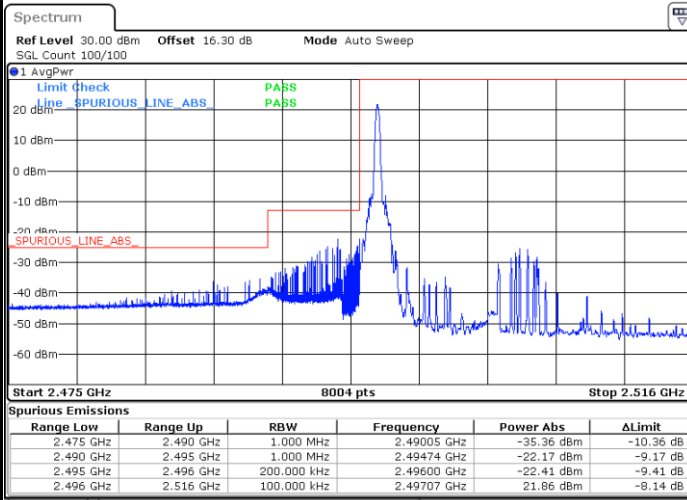




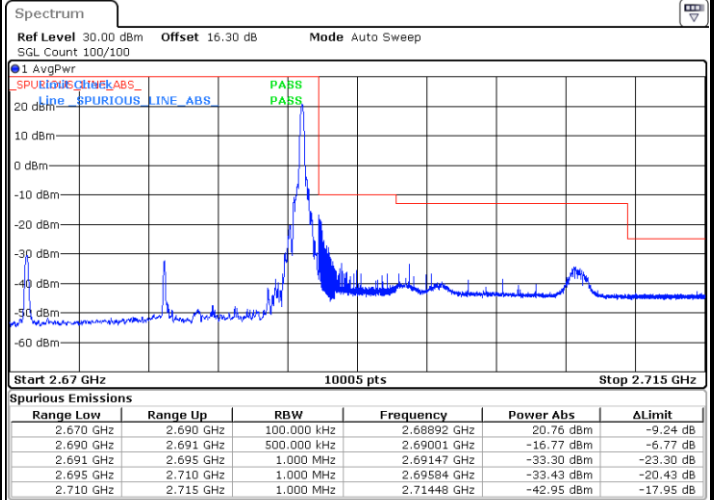
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



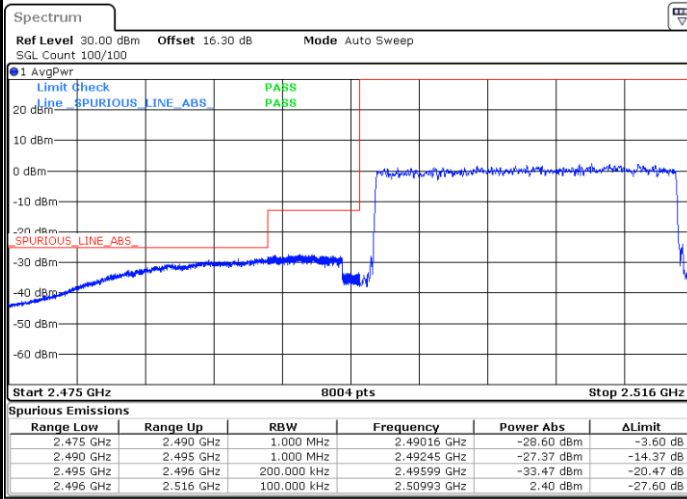
Date: 12 DEC 2020 16:00:46

Highest Band Edge / 1 RB



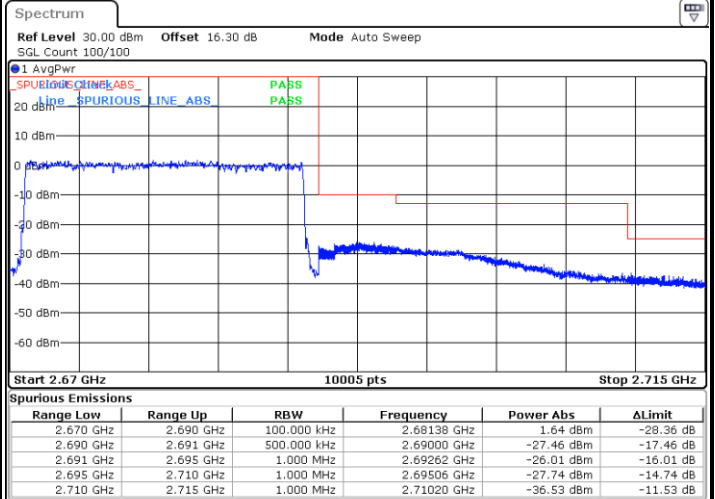
Date: 12 DEC 2020 16:07:00

Lowest Band Edge / Full RB



Date: 12 DEC 2020 16:01:13

Highest Band Edge / Full RB

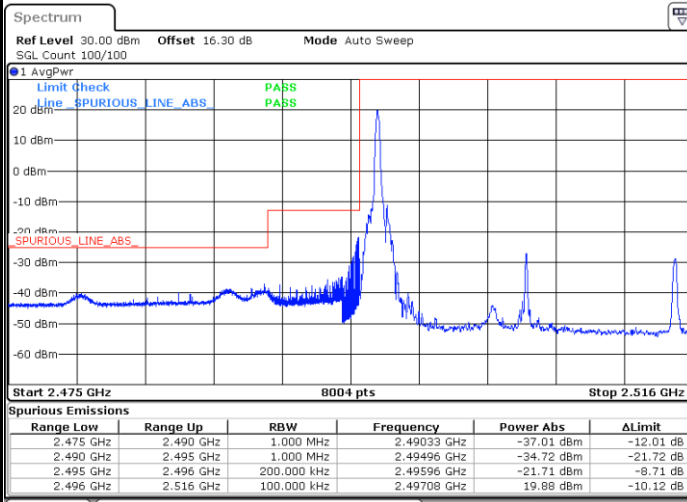


Date: 12 DEC 2020 16:07:26



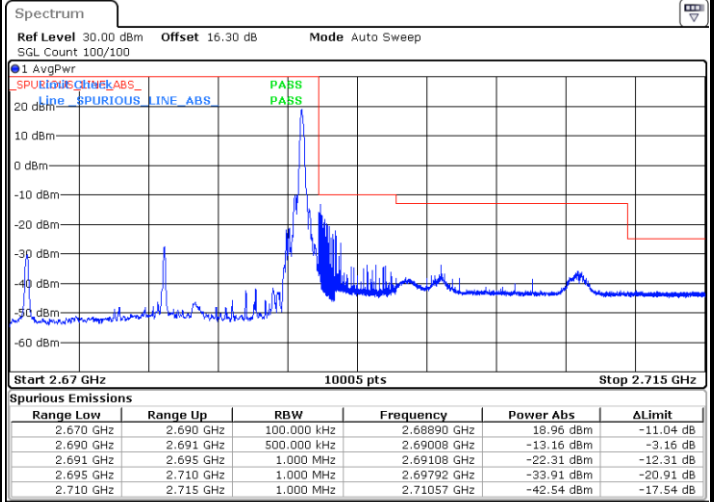
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



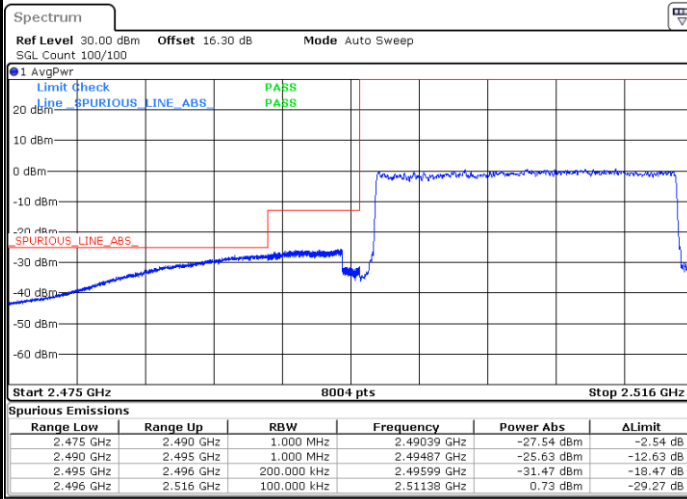
Date: 1 JAN 2021 18:56:46

Highest Band Edge / 1 RB



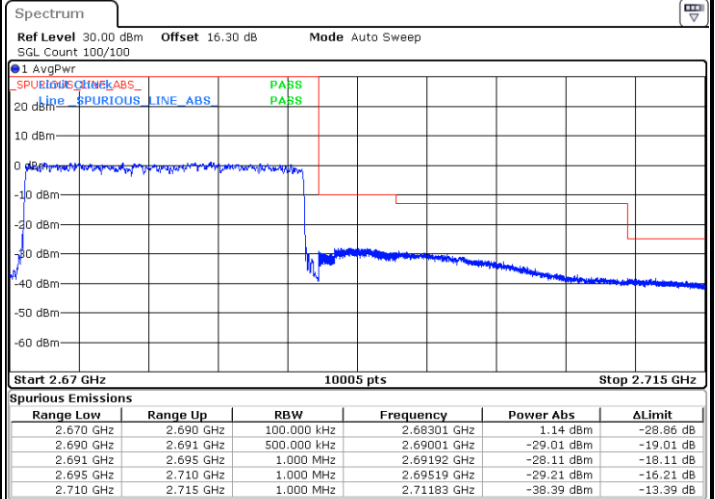
Date: 1 JAN 2021 18:59:00

Lowest Band Edge / Full RB



Date: 1 JAN 2021 18:55:55

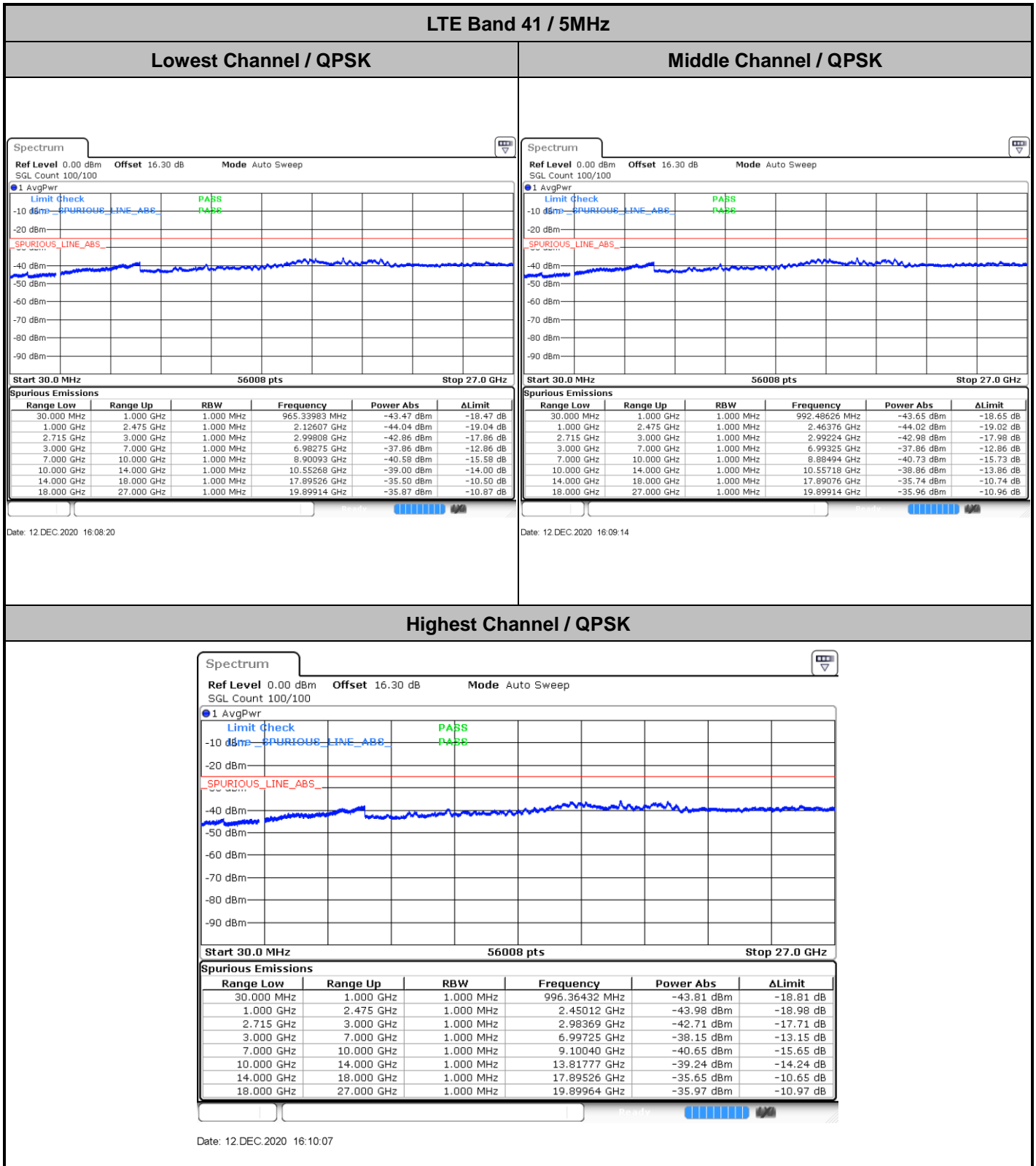
Highest Band Edge / Full RB



Date: 1 JAN 2021 19:00:21



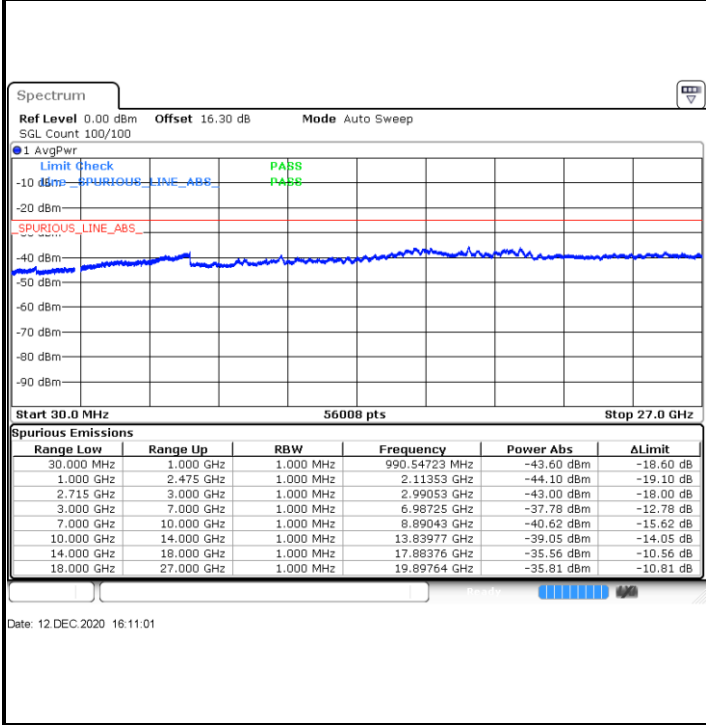
# Conducted Spurious Emission



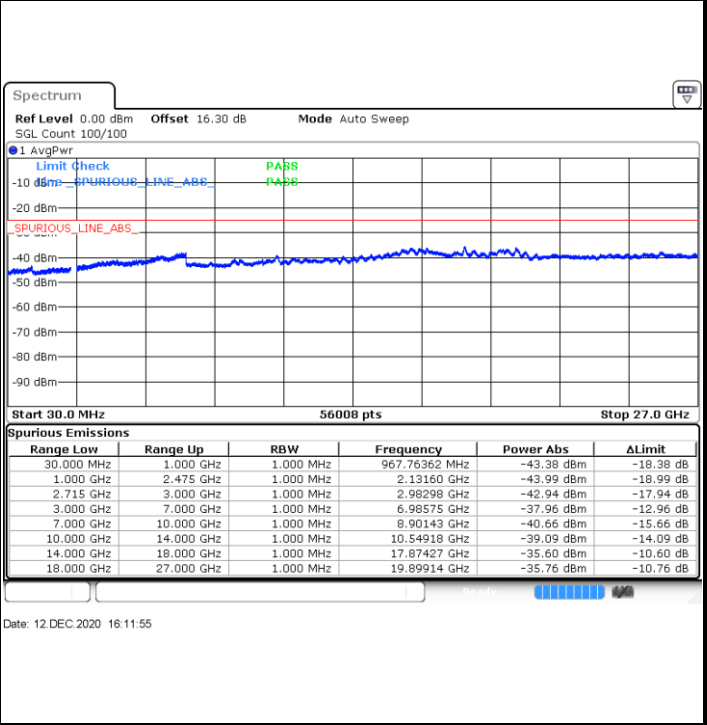


**LTE Band 41 / 10MHz**

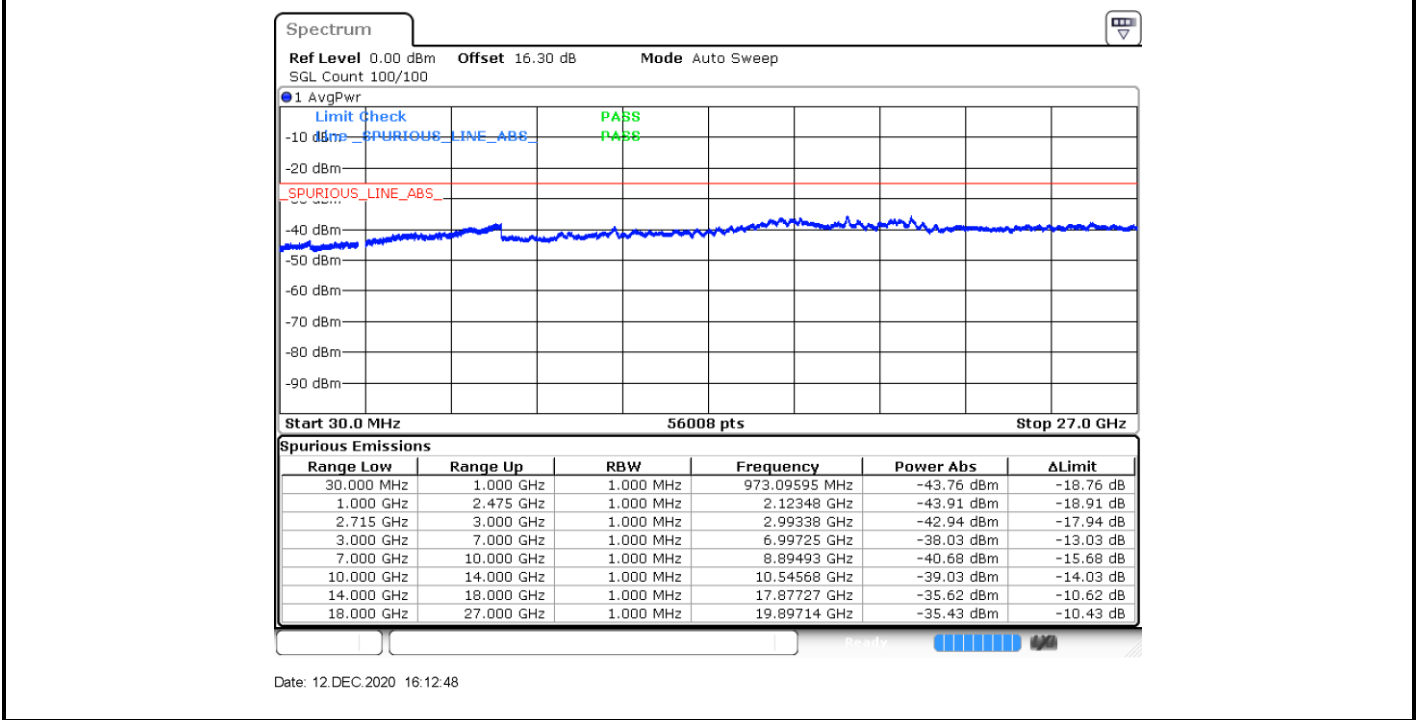
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



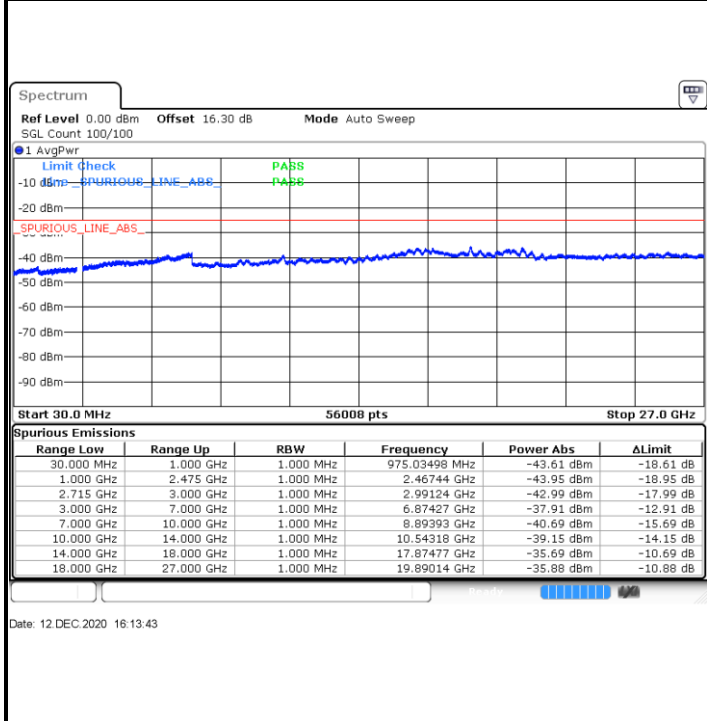
**Highest Channel / QPSK**



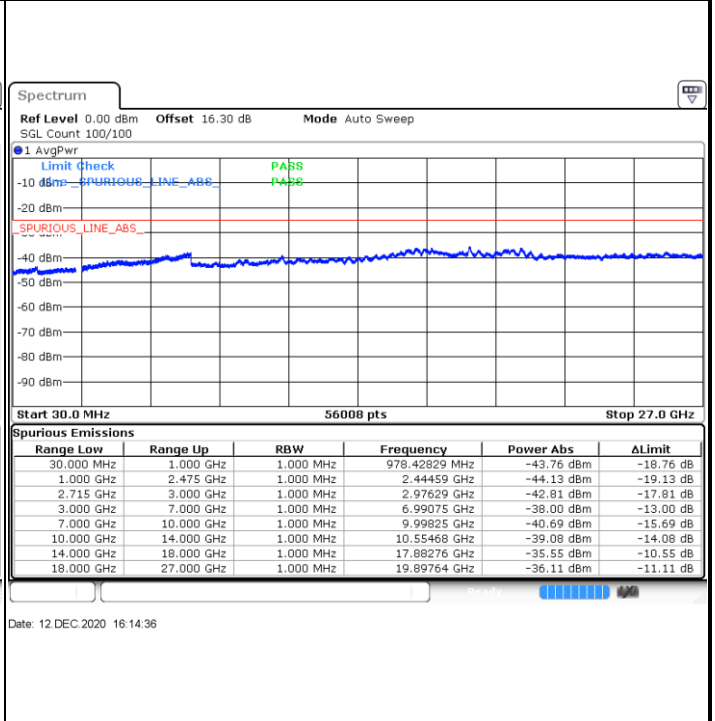


**LTE Band 41 / 15MHz**

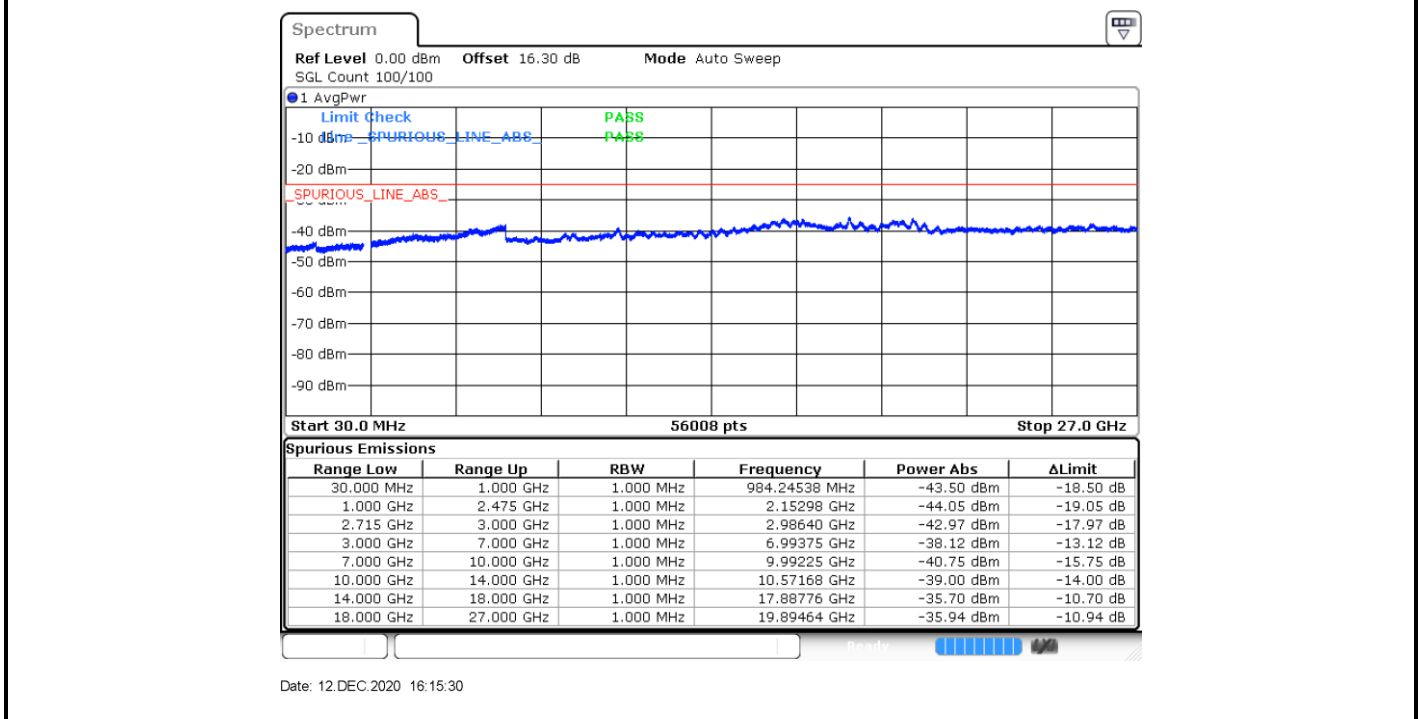
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



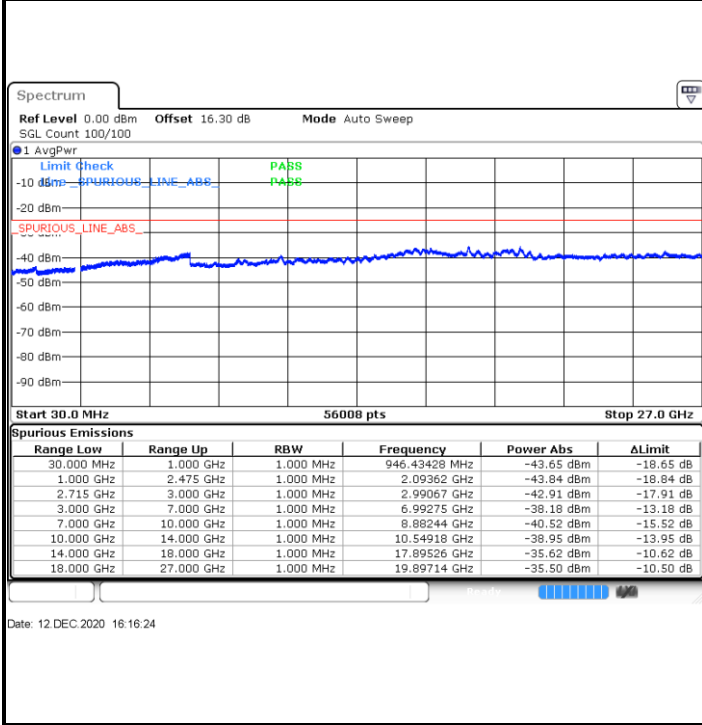
**Highest Channel / QPSK**



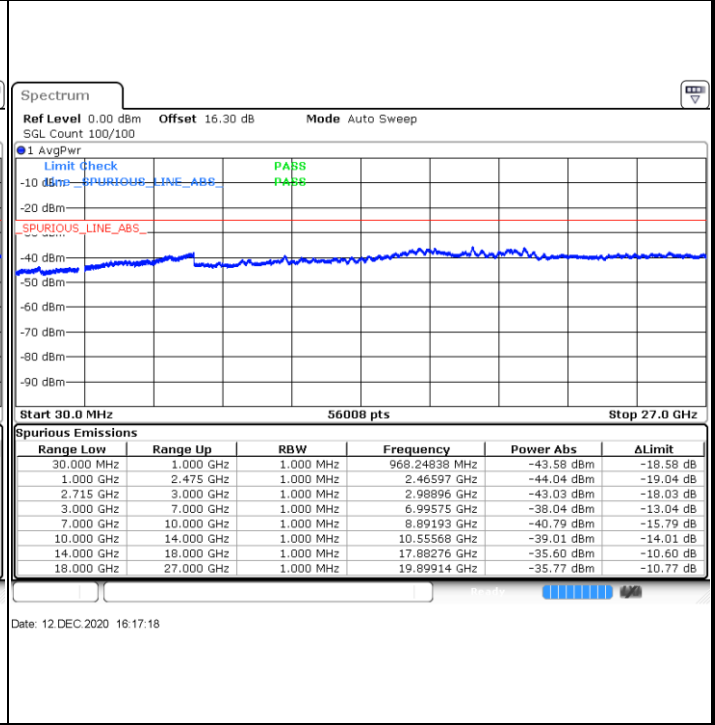


**LTE Band 41 / 20MHz**

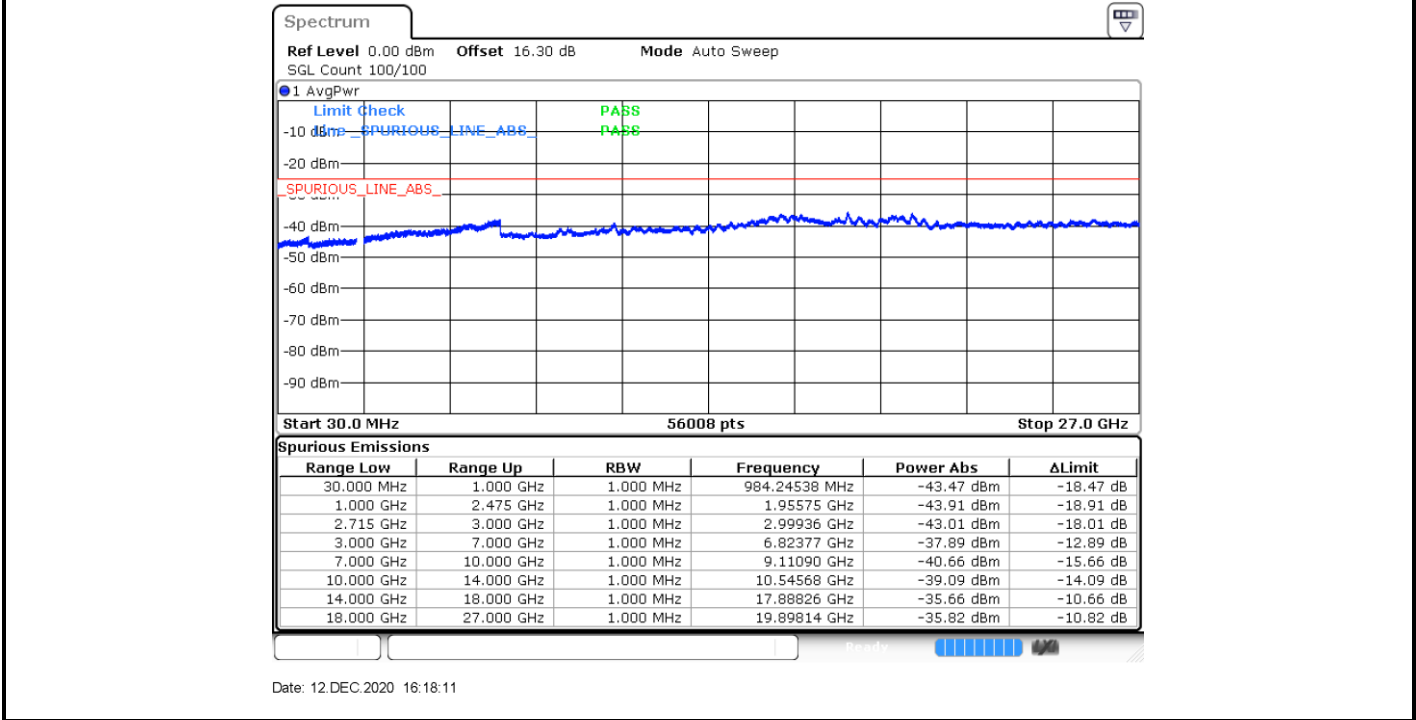
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





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	0.0027	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

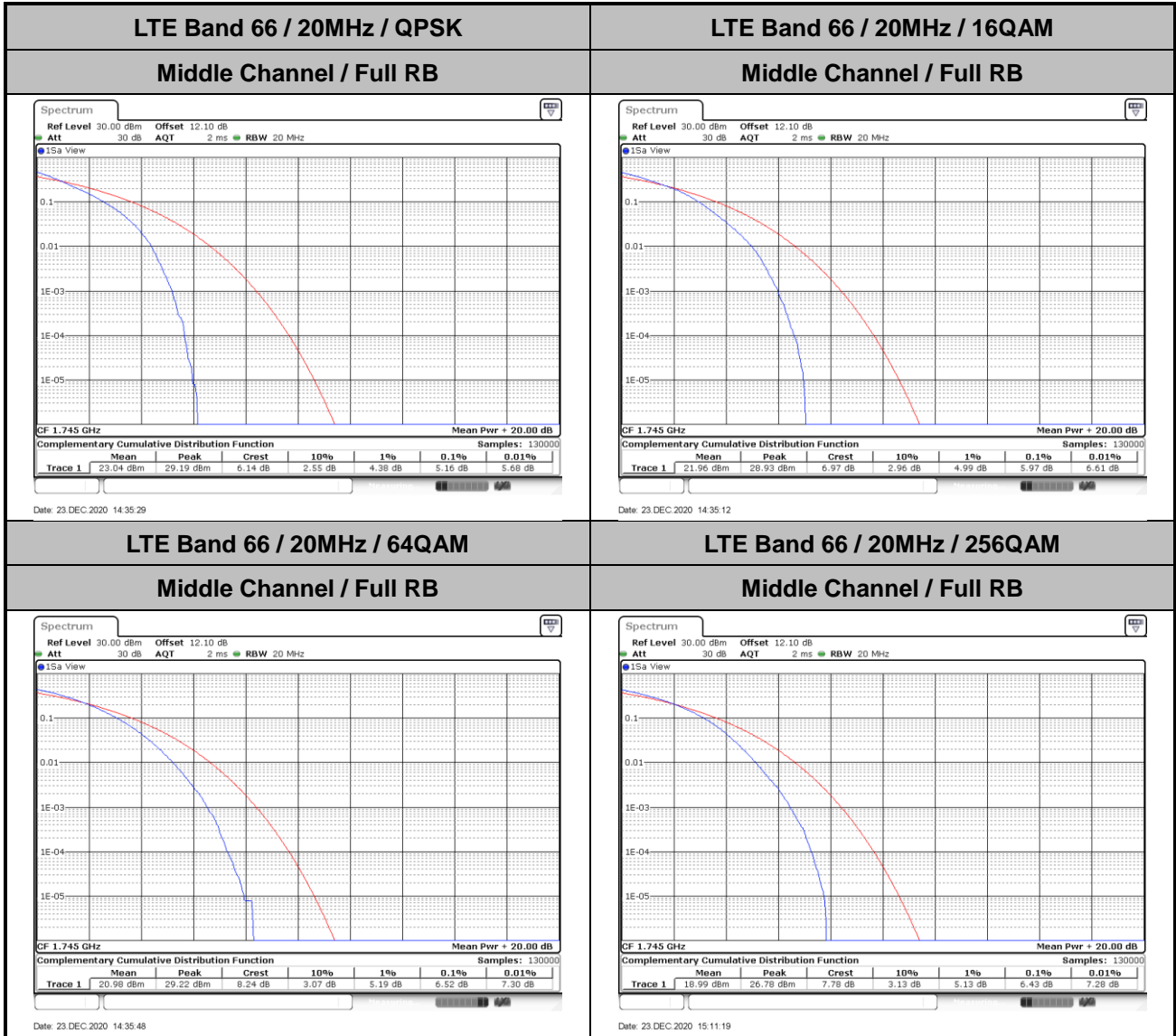


## LTE Band 66

### Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.16	5.97	6.52	6.43	<b>PASS</b>







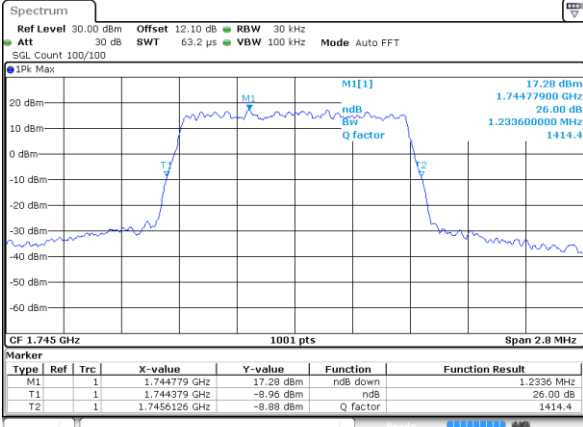
**26dB Bandwidth**

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
Middle CH	1.23	1.23	3.05	3.05	4.90	4.91	9.67	9.79	14.54	14.39	18.82	18.78
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.23	1.22	3.04	3.03	4.88	4.95	9.87	9.81	14.27	14.33	18.94	18.90



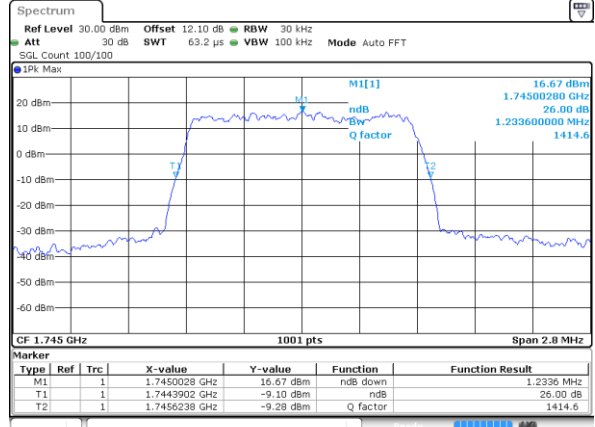
LTE Band 66

Middle Channel / 1.4MHz / QPSK



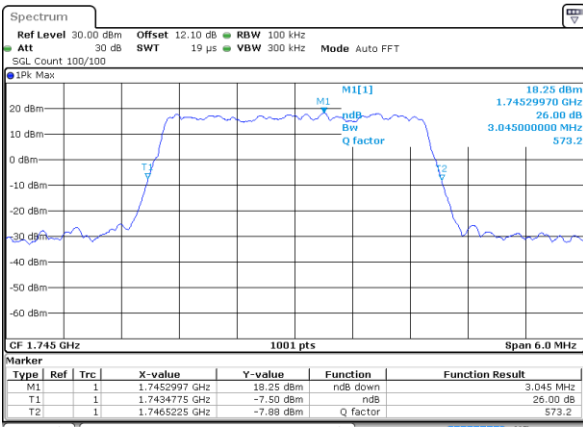
Date: 23 DEC 2020 13:31:16

Middle Channel / 1.4MHz / 16QAM



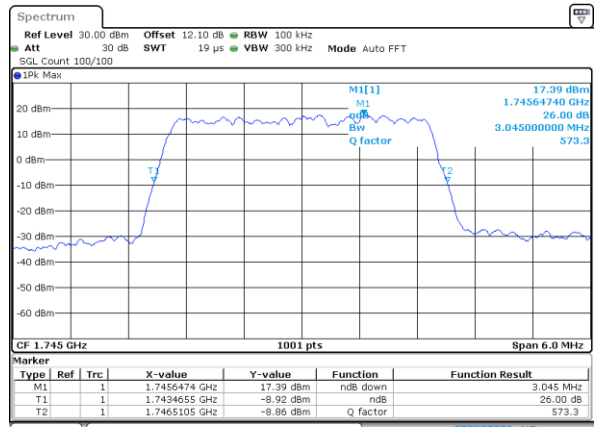
Date: 23 DEC 2020 13:31:30

Middle Channel / 3MHz / QPSK



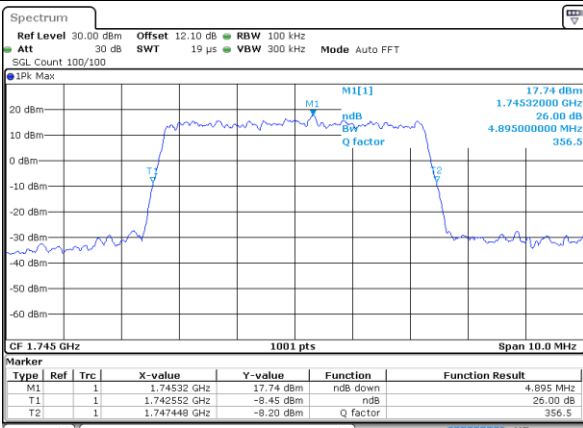
Date: 23 DEC 2020 13:41:21

Middle Channel / 3MHz / 16QAM



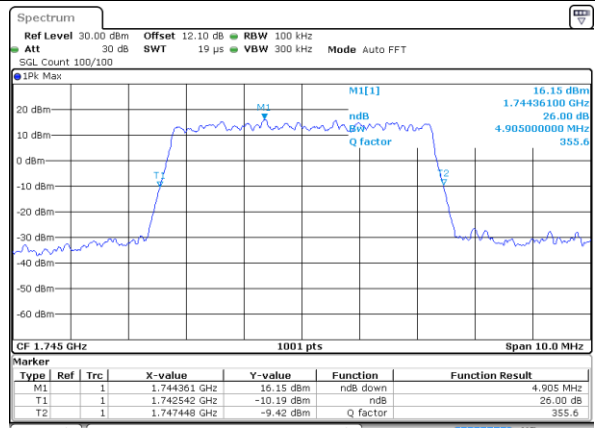
Date: 23 DEC 2020 13:41:36

Middle Channel / 5MHz / QPSK



Date: 23 DEC 2020 14:00:57

Middle Channel / 5MHz / 16QAM

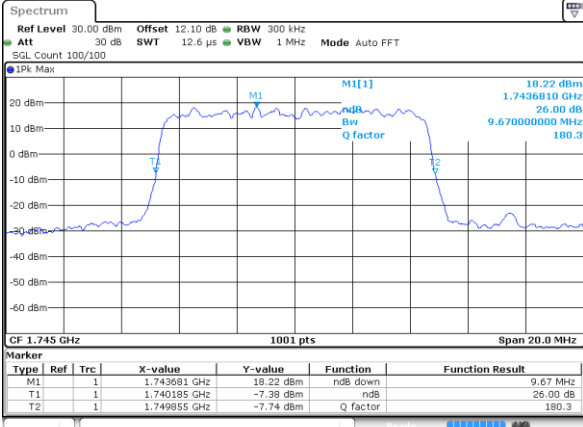


Date: 23 DEC 2020 14:01:11



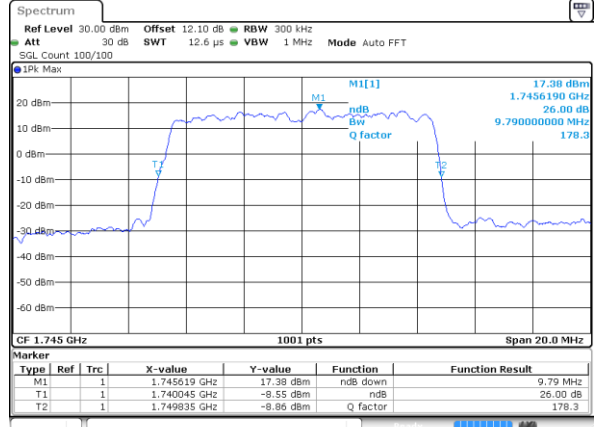
LTE Band 66

Middle Channel / 10MHz / QPSK



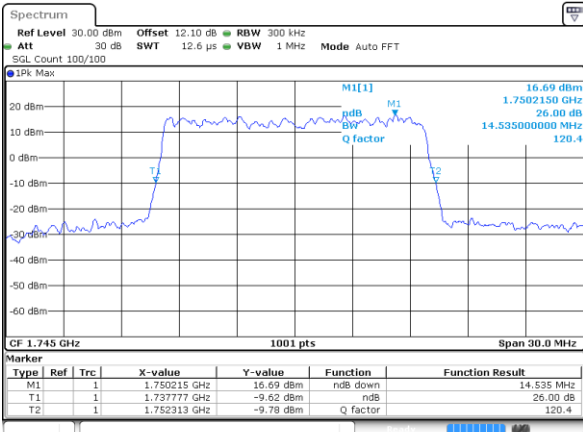
Date: 23 DEC 2020 14:07:56

Middle Channel / 10MHz / 16QAM



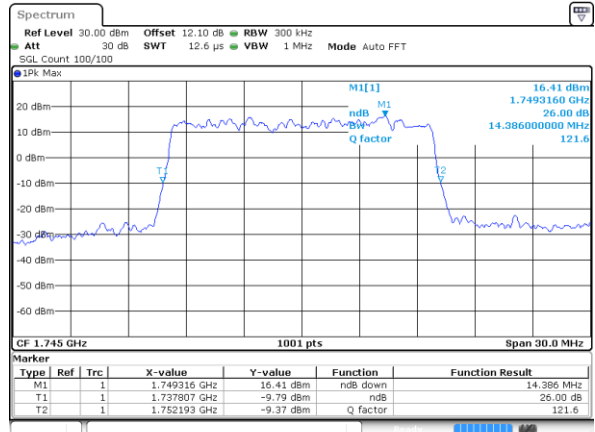
Date: 23 DEC 2020 14:08:10

Middle Channel / 15MHz / QPSK



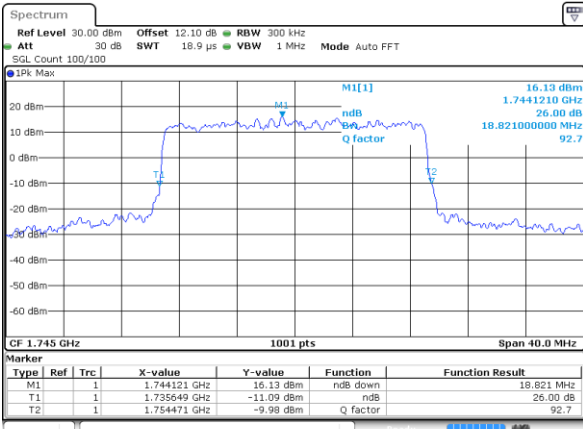
Date: 23 DEC 2020 14:21:22

Middle Channel / 15MHz / 16QAM



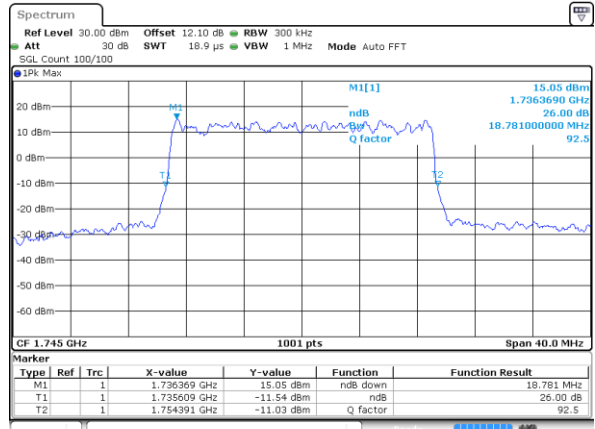
Date: 23 DEC 2020 14:21:37

Middle Channel / 20MHz / QPSK



Date: 23 DEC 2020 14:28:21

Middle Channel / 20MHz / 16QAM

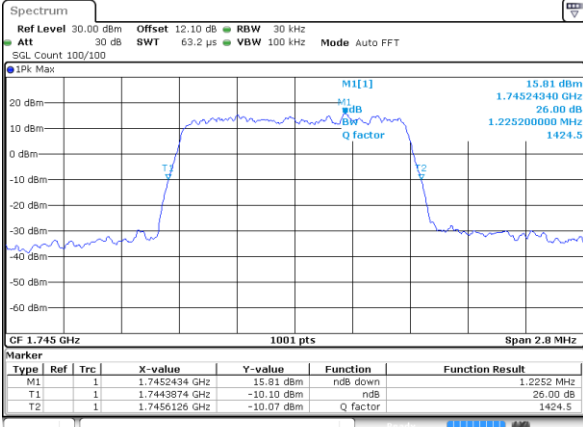


Date: 23 DEC 2020 14:28:36



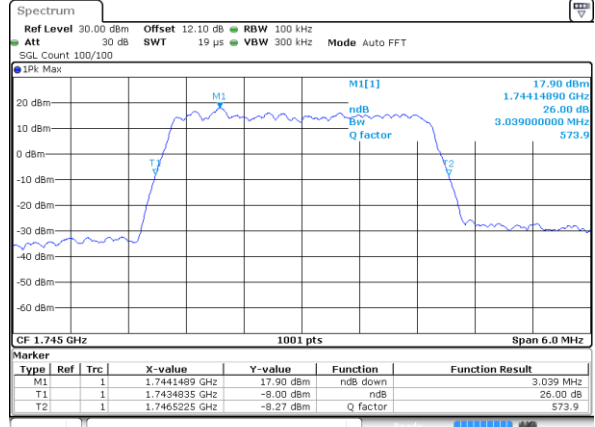
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



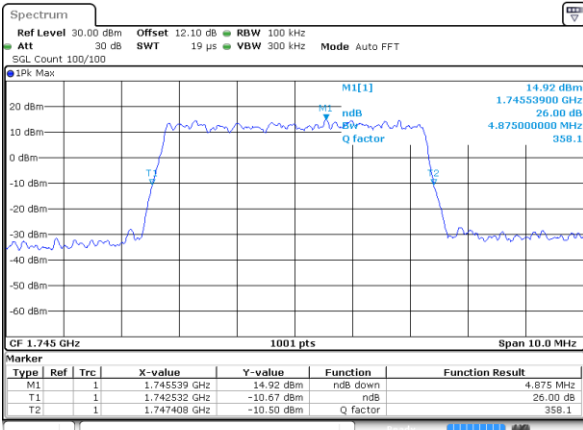
Date: 23 DEC 2020 13:36:18

Middle Channel / 3MHz / 64QAM



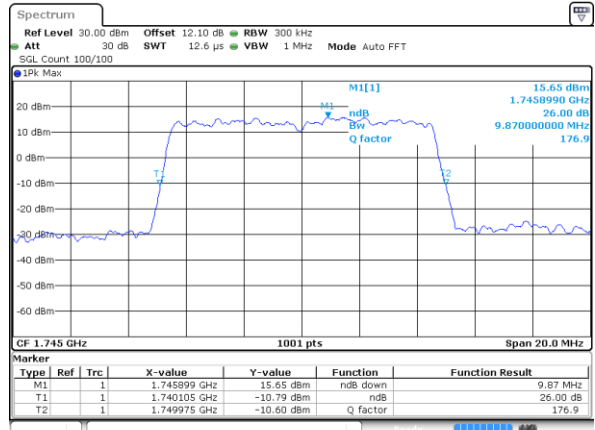
Date: 23 DEC 2020 13:52:33

Middle Channel / 5MHz / 64QAM



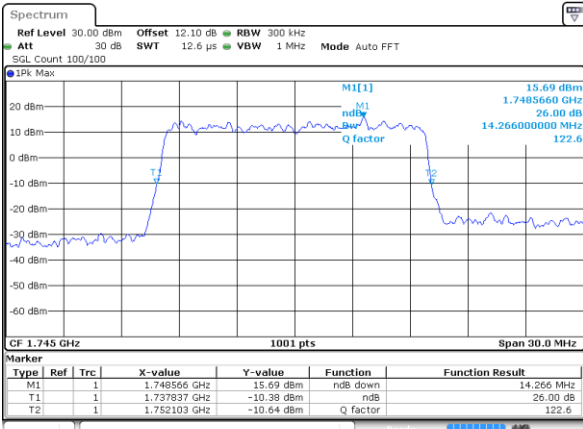
Date: 23 DEC 2020 13:55:55

Middle Channel / 10MHz / 64QAM



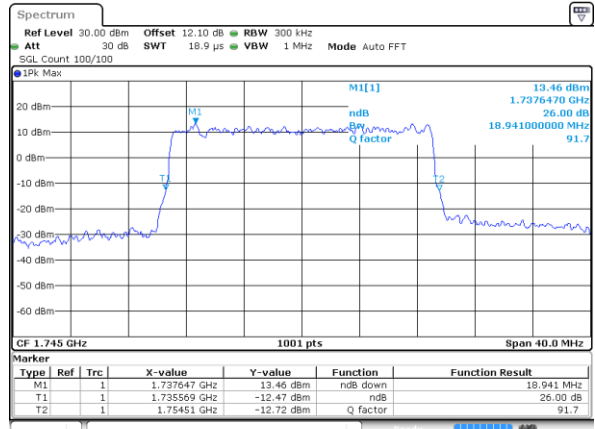
Date: 23 DEC 2020 14:12:58

Middle Channel / 15MHz / 64QAM



Date: 23 DEC 2020 14:16:20

Middle Channel / 20MHz / 64QAM

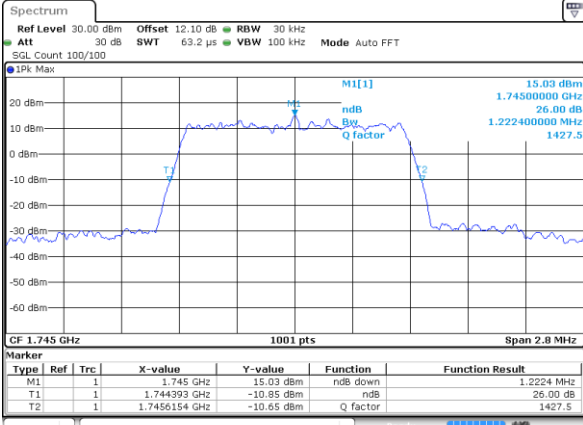


Date: 23 DEC 2020 14:33:24



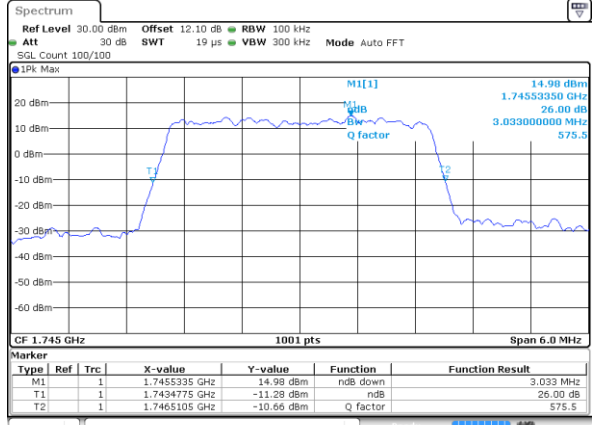
LTE Band 66

Middle Channel / 1.4MHz / 256QAM



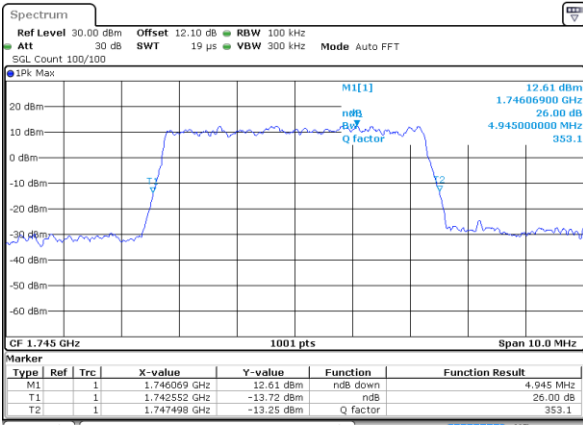
Date: 23 DEC 2020 15:46:14

Middle Channel / 3MHz / 256QAM



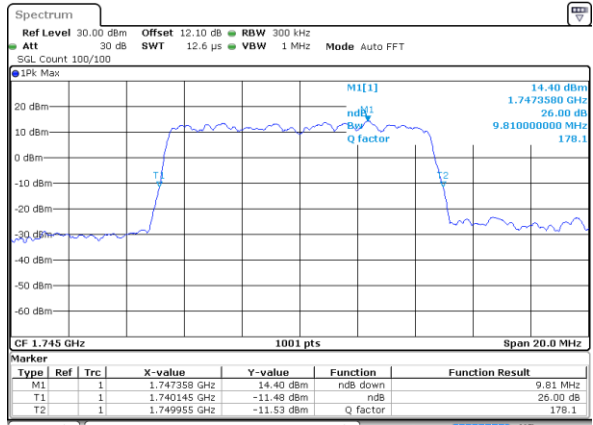
Date: 23 DEC 2020 15:49:05

Middle Channel / 5MHz / 256QAM



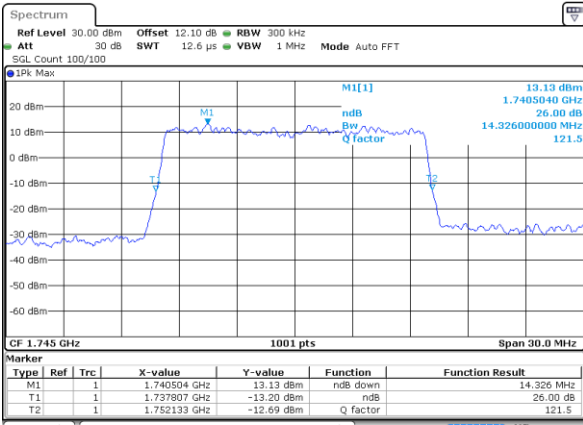
Date: 23 DEC 2020 15:54:27

Middle Channel / 10MHz / 256QAM



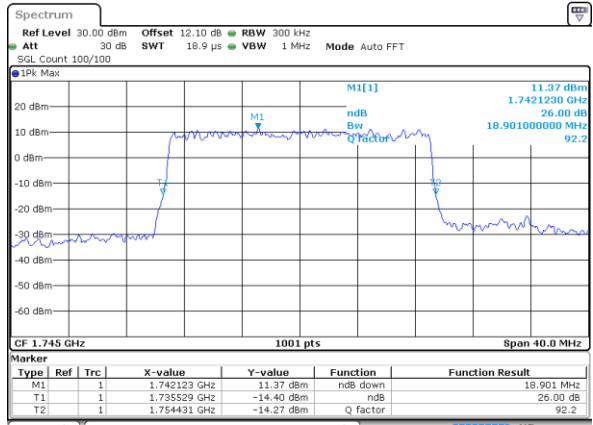
Date: 23 DEC 2020 15:55:19

Middle Channel / 15MHz / 256QAM



Date: 23 DEC 2020 15:55:53

Middle Channel / 20MHz / 256QAM



Date: 23 DEC 2020 15:06:47



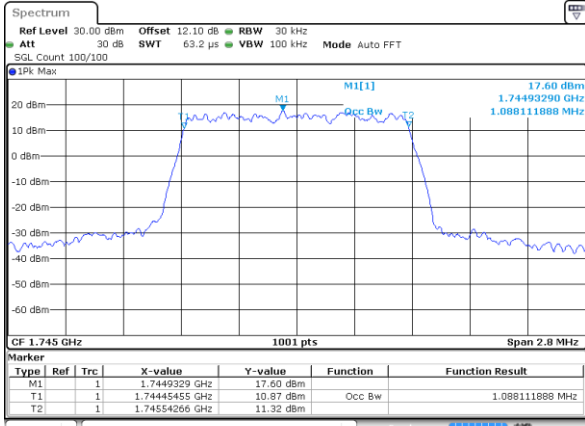
**Occupied Bandwidth**

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
Middle CH	1.09	1.09	2.73	2.74	4.48	4.47	9.05	9.01	13.43	13.46	17.86	17.86
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	1.09	2.72	2.72	4.51	4.47	9.03	8.99	13.46	13.46	17.82	17.90



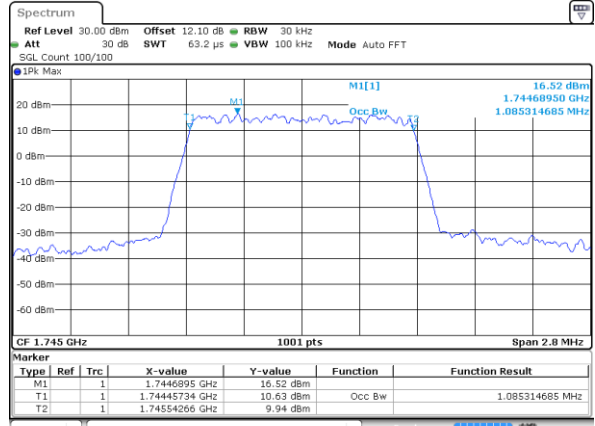
LTE Band 66

Middle Channel / 1.4MHz / QPSK



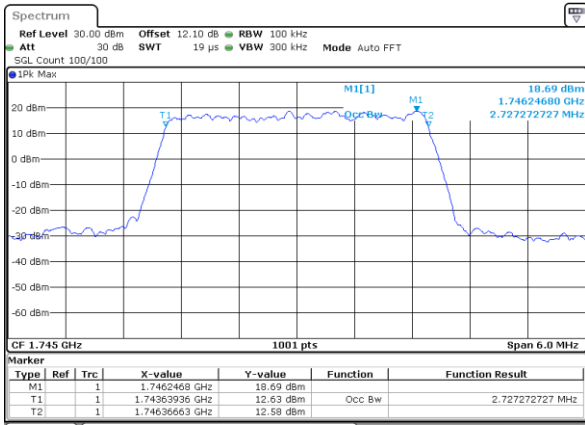
Date: 23 DEC 2020 13:27:26

Middle Channel / 1.4MHz / 16QAM



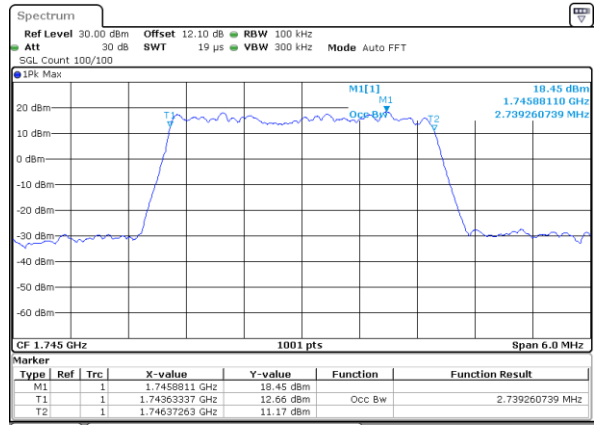
Date: 23 DEC 2020 13:27:41

Middle Channel / 3MHz / QPSK



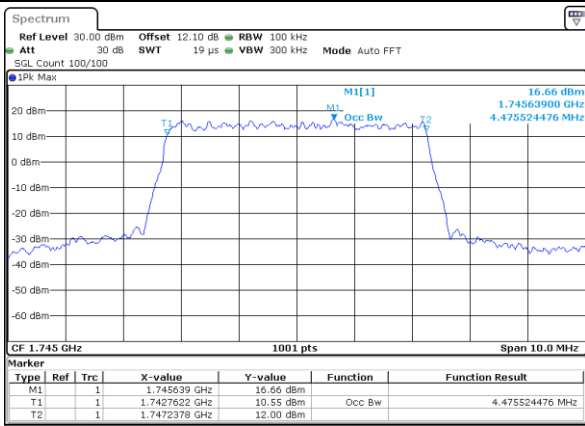
Date: 23 DEC 2020 13:40:52

Middle Channel / 3MHz / 16QAM



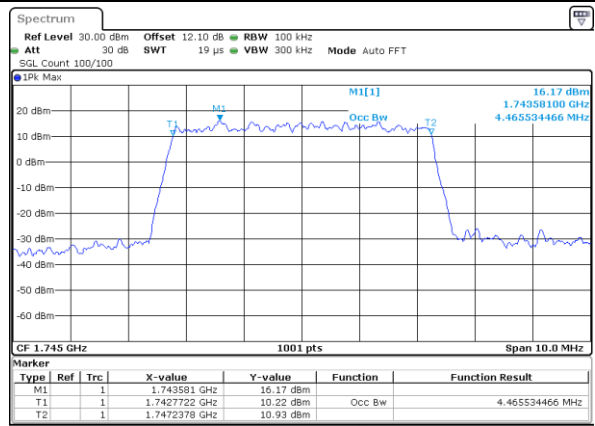
Date: 23 DEC 2020 13:41:07

Middle Channel / 5MHz / QPSK



Date: 23 DEC 2020 14:00:28

Middle Channel / 5MHz / 16QAM



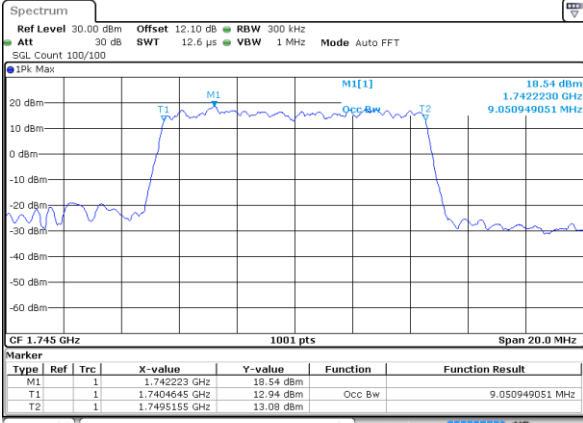
Date: 23 DEC 2020 14:00:42





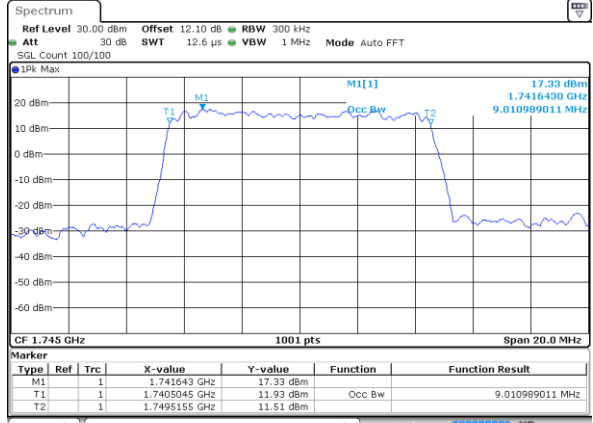
LTE Band 66

Middle Channel / 10MHz / QPSK



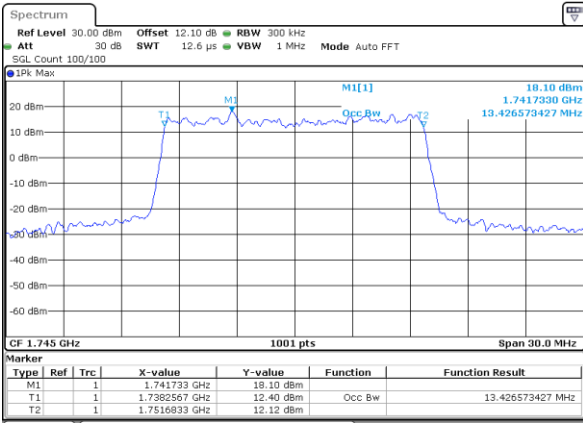
Date: 23 DEC 2020 14:07:27

Middle Channel / 10MHz / 16QAM



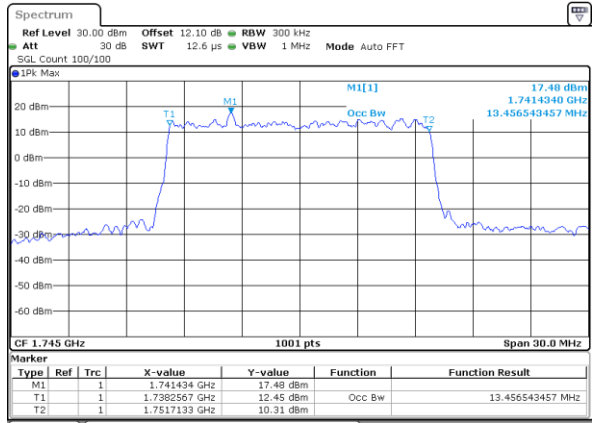
Date: 23 DEC 2020 14:07:41

Middle Channel / 15MHz / QPSK



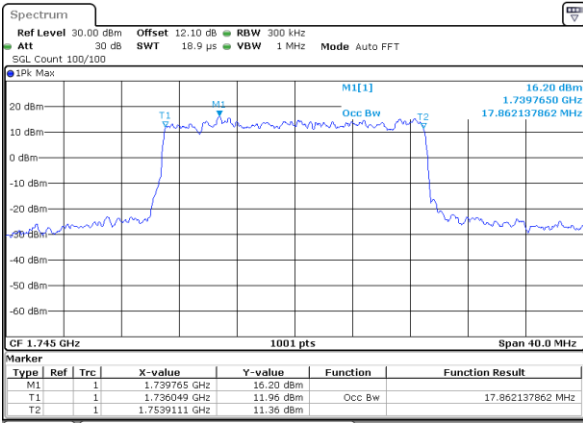
Date: 23 DEC 2020 14:20:53

Middle Channel / 15MHz / 16QAM



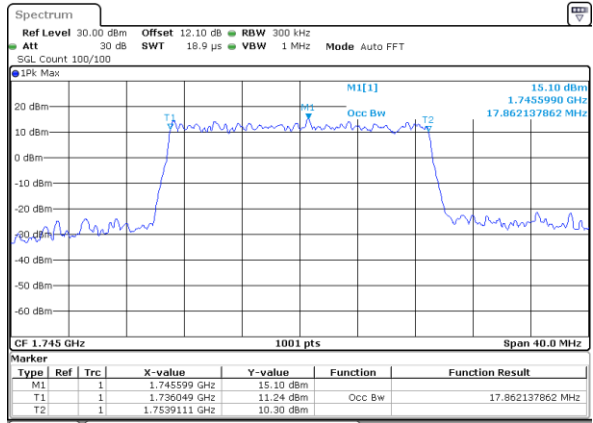
Date: 23 DEC 2020 14:21:08

Middle Channel / 20MHz / QPSK



Date: 23 DEC 2020 14:27:52

Middle Channel / 20MHz / 16QAM

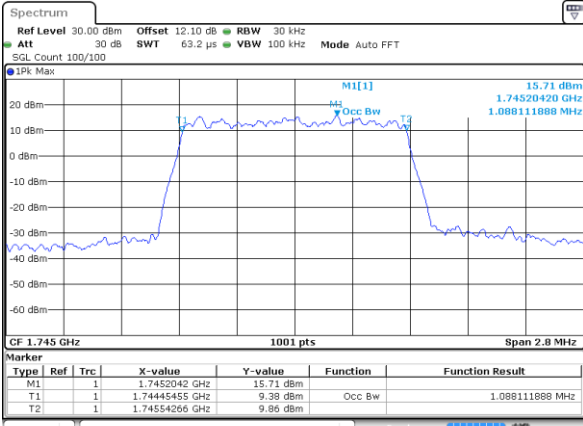


Date: 23 DEC 2020 14:28:07



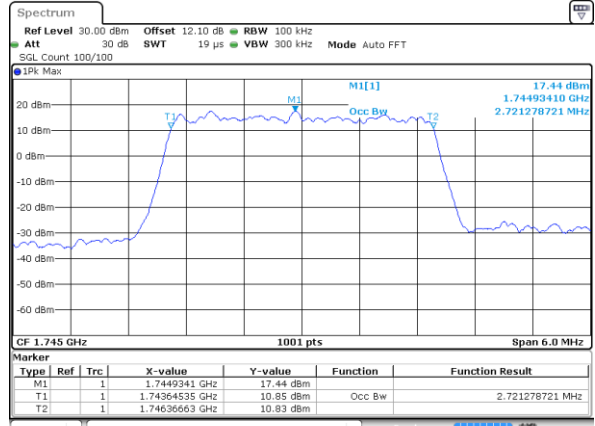
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



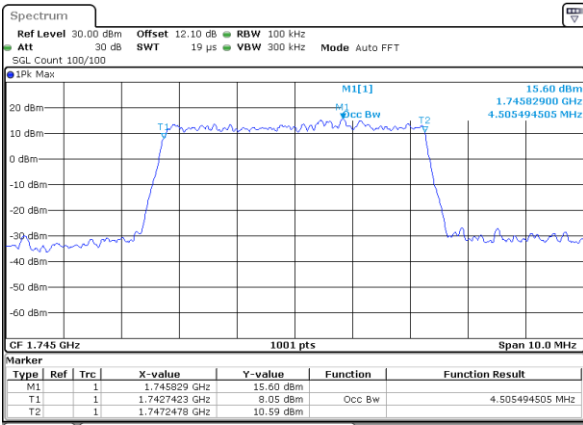
Date: 23 DEC 2020 13:36:03

Middle Channel / 3MHz / 64QAM



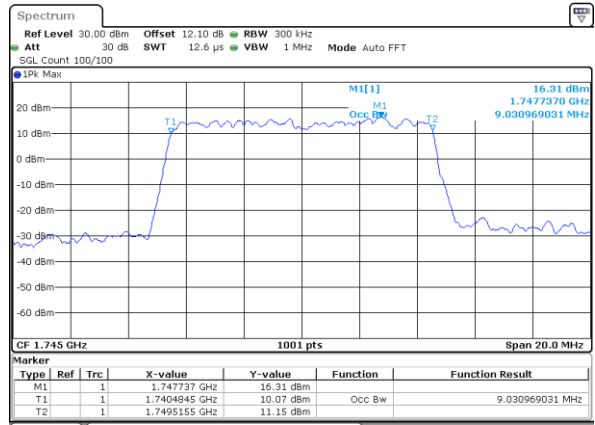
Date: 23 DEC 2020 13:52:19

Middle Channel / 5MHz / 64QAM



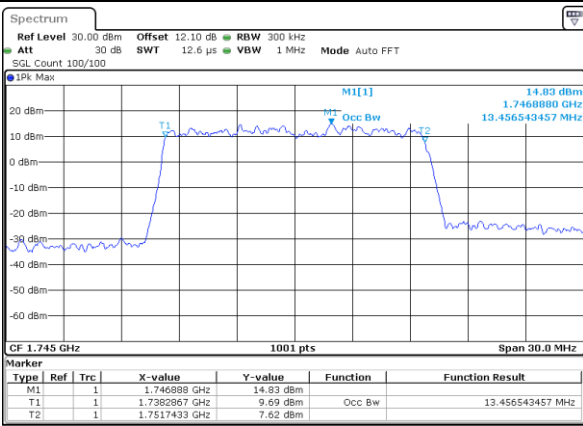
Date: 23 DEC 2020 13:55:40

Middle Channel / 10MHz / 64QAM



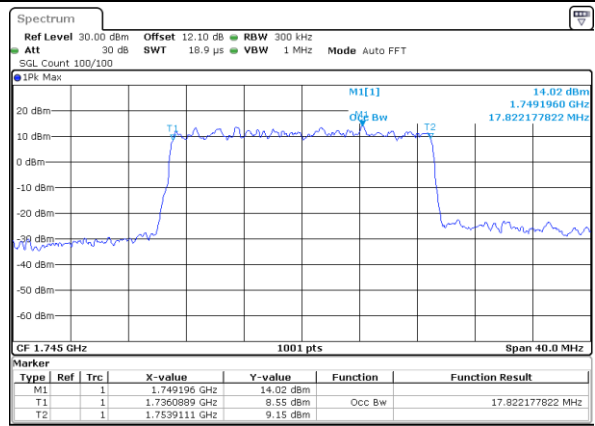
Date: 23 DEC 2020 14:12:44

Middle Channel / 15MHz / 64QAM



Date: 23 DEC 2020 14:16:06

Middle Channel / 20MHz / 64QAM

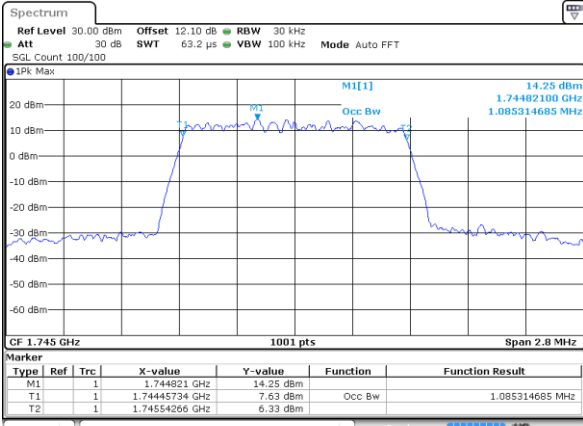


Date: 23 DEC 2020 14:33:10



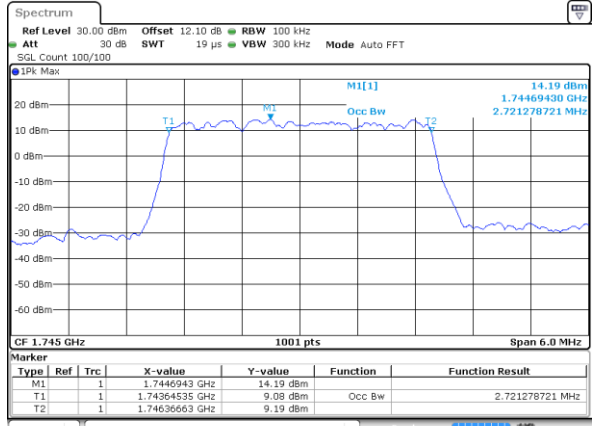
LTE Band 66

Middle Channel / 1.4MHz / 256QAM



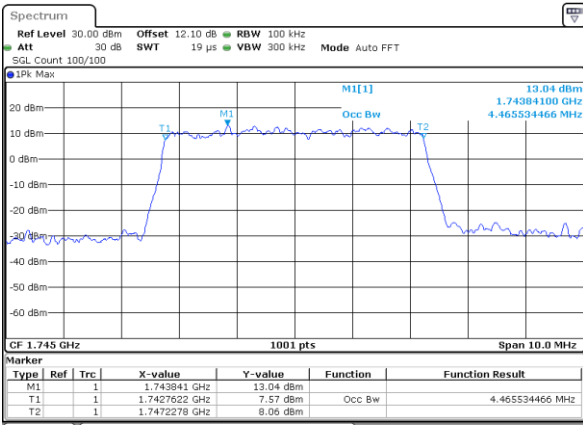
Date: 23 DEC 2020 15:33:13

Middle Channel / 3MHz / 256QAM



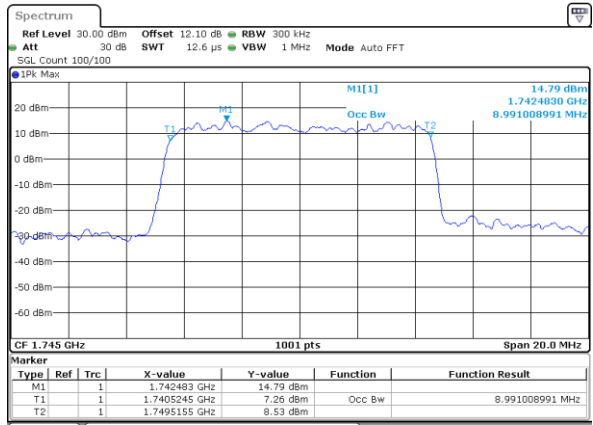
Date: 23 DEC 2020 15:47:34

Middle Channel / 5MHz / 256QAM



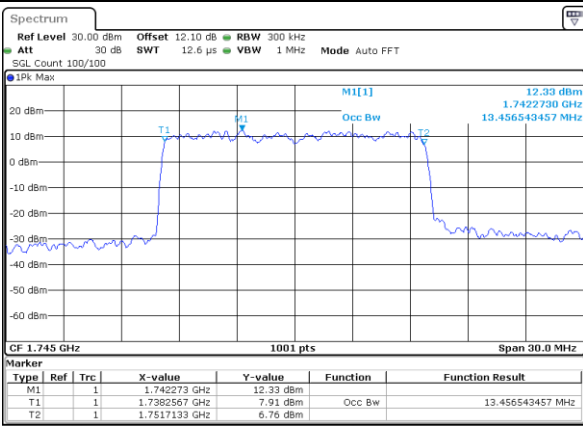
Date: 23 DEC 2020 15:54:10

Middle Channel / 10MHz / 256QAM



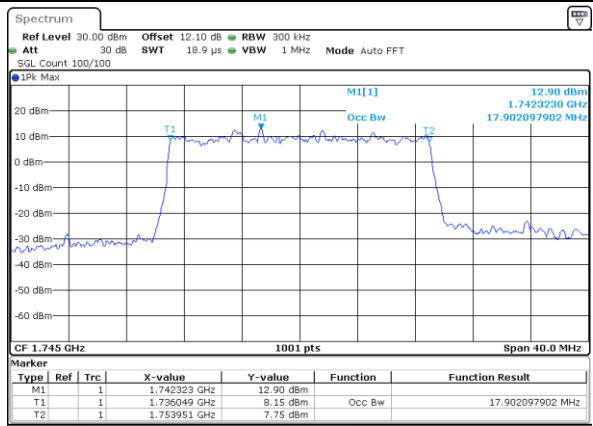
Date: 23 DEC 2020 15:54:59

Middle Channel / 15MHz / 256QAM



Date: 23 DEC 2020 15:56:04

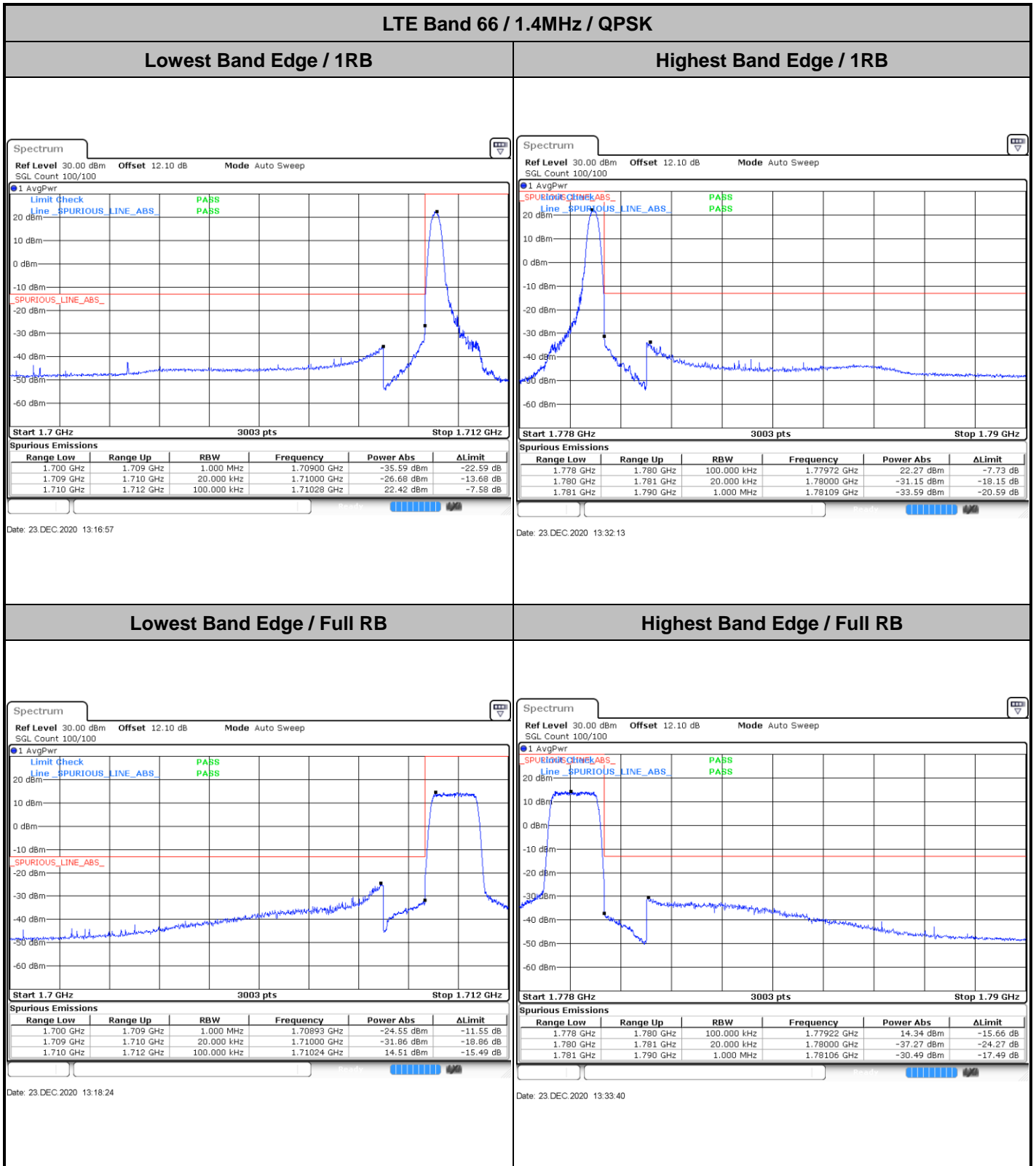
Middle Channel / 20MHz / 256QAM



Date: 23 DEC 2020 15:00:50



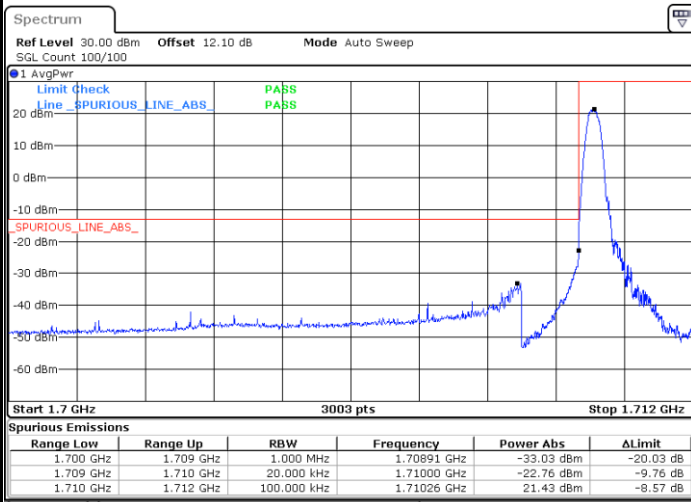
# Conducted Band Edge





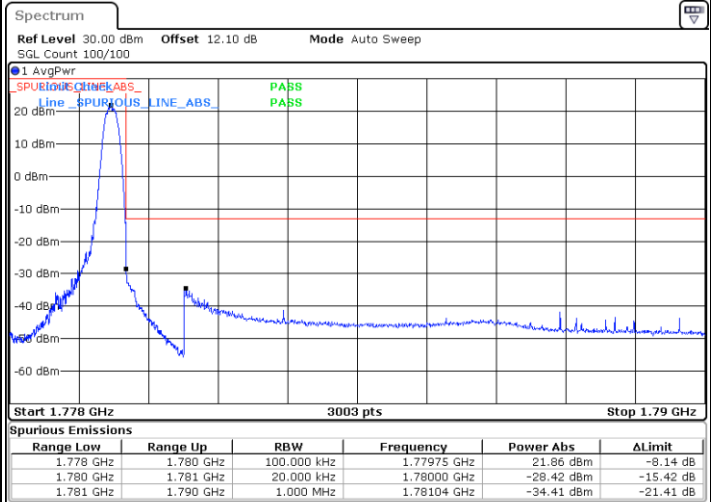
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



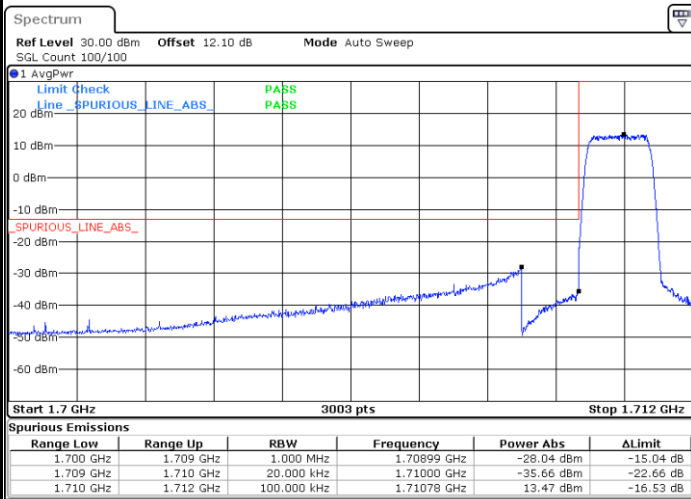
Date: 23 DEC 2020 13:17:40

Highest Band Edge / 1 RB



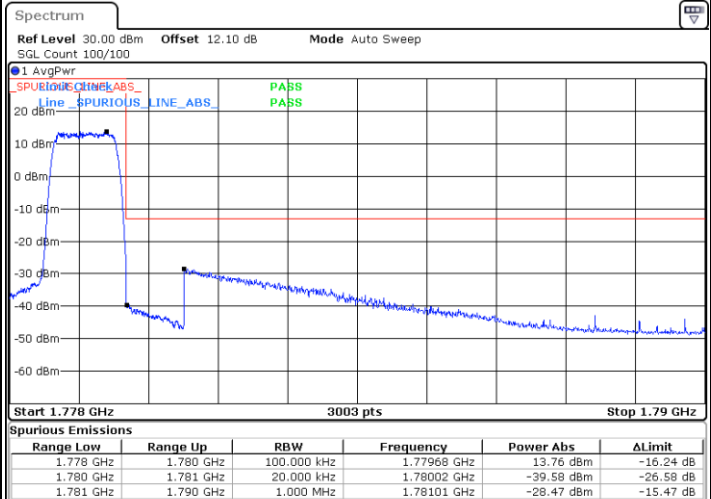
Date: 23 DEC 2020 13:32:57

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:19:07

Highest Band Edge / Full RB

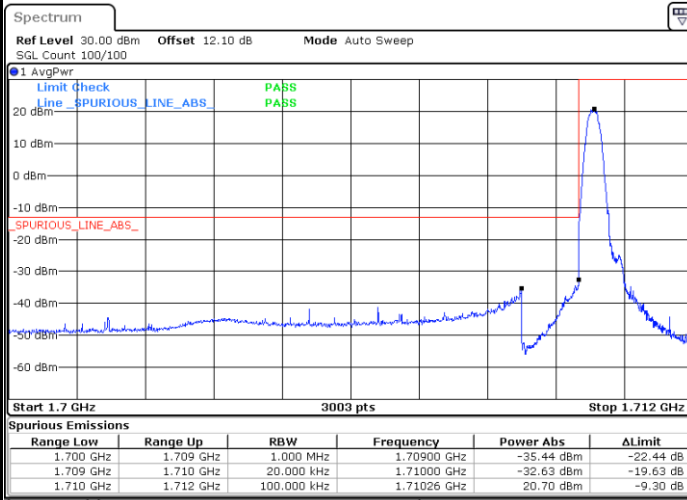


Date: 23 DEC 2020 13:34:23



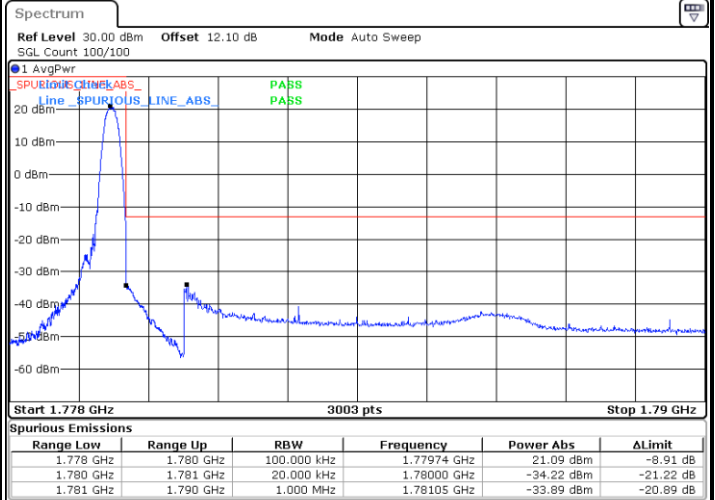
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



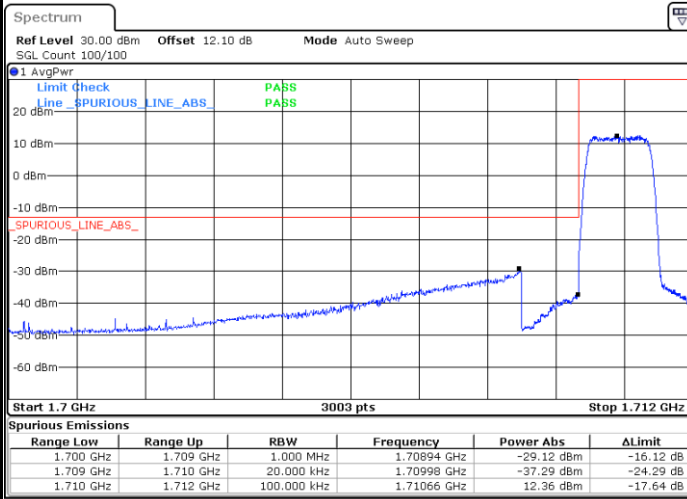
Date: 23 DEC 2020 13:35:06

Highest Band Edge / 1 RB



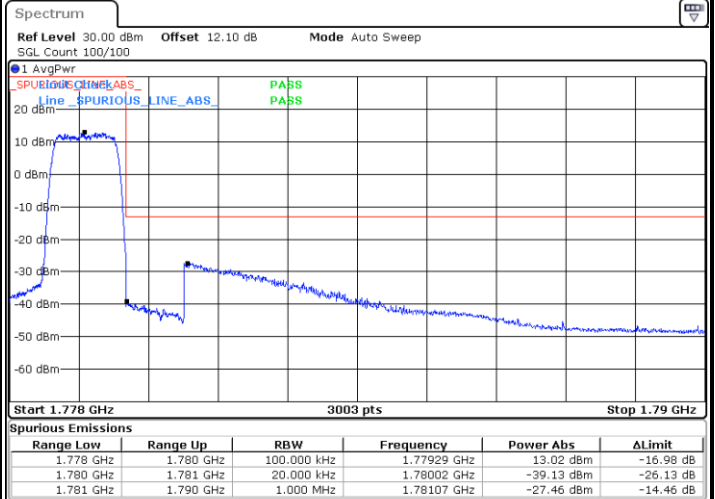
Date: 23 DEC 2020 13:37:01

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:35:49

Highest Band Edge / Full RB

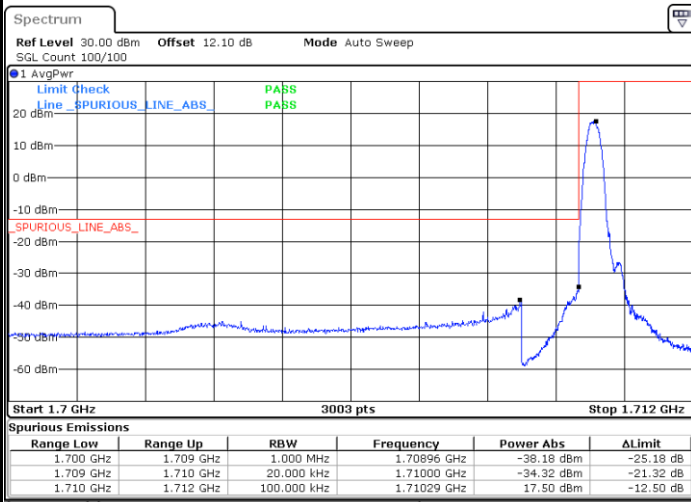


Date: 23 DEC 2020 13:37:45



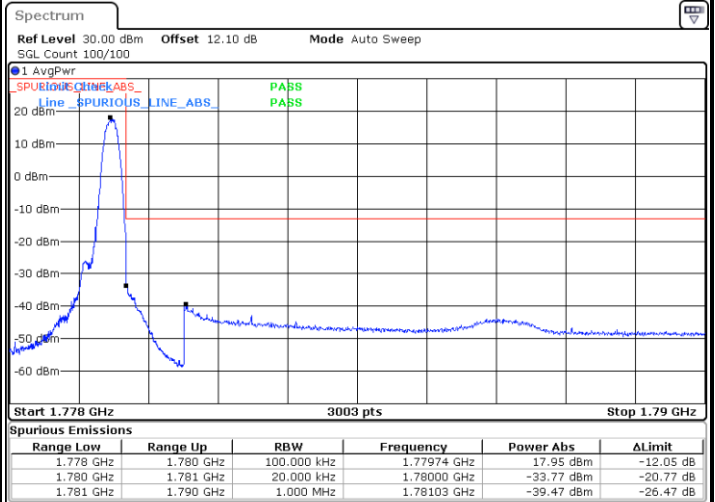
LTE Band 66 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



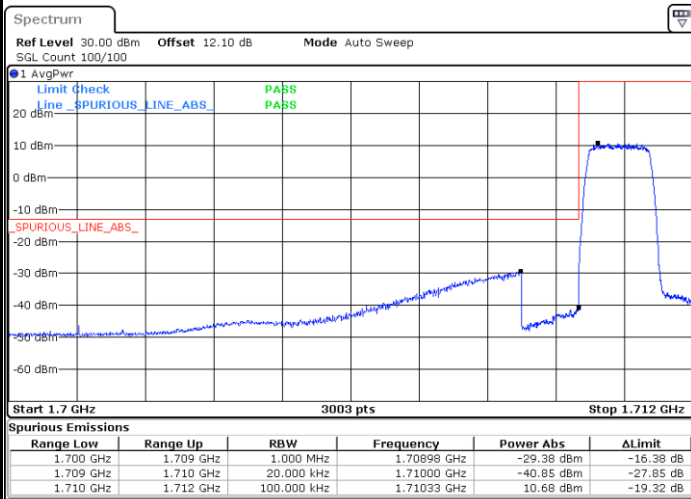
Date: 23 DEC 2020 15:23:55

Highest Band Edge / 1 RB



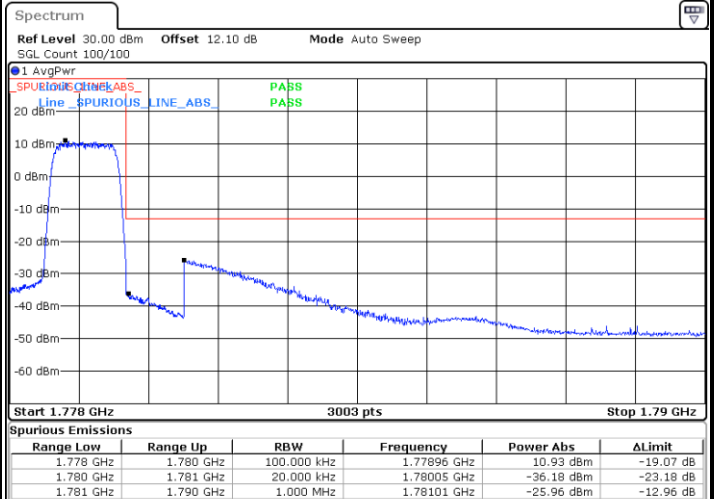
Date: 23 DEC 2020 15:26:10

Lowest Band Edge / Full RB



Date: 23 DEC 2020 15:24:52

Highest Band Edge / Full RB

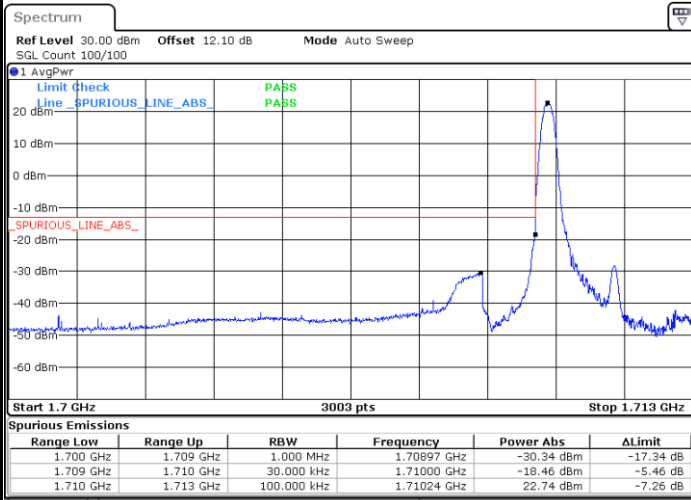


Date: 23 DEC 2020 15:27:10



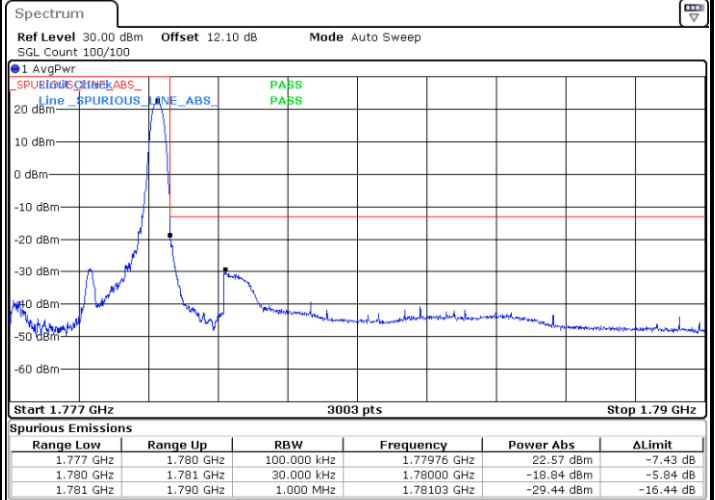
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



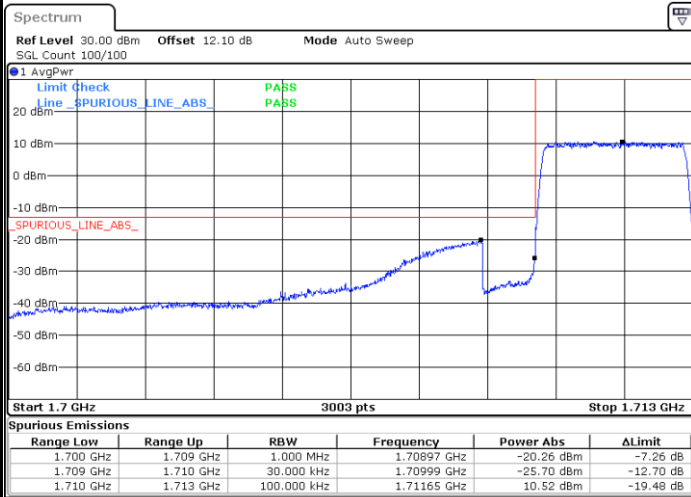
Date: 23 DEC 2020 13:38:28

Highest Band Edge / 1 RB



Date: 23 DEC 2020 13:48:29

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:39:55

Highest Band Edge / Full RB



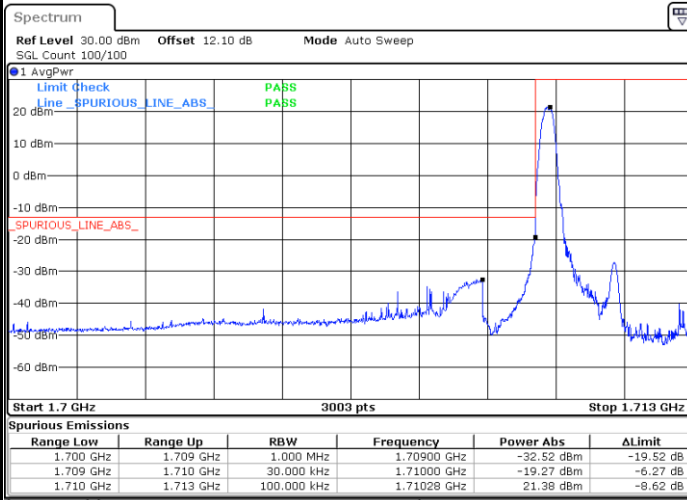
Date: 23 DEC 2020 13:49:55





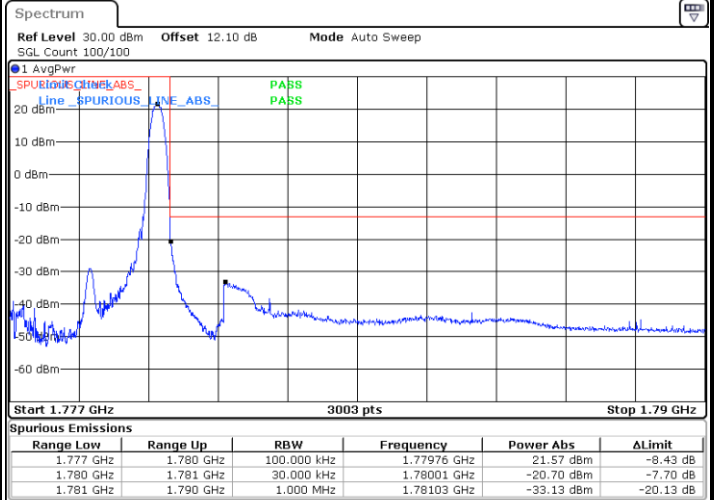
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



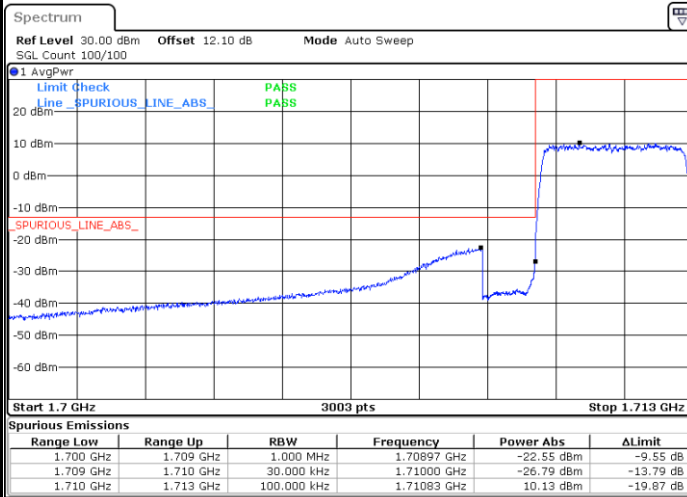
Date: 23 DEC 2020 13:39:12

Highest Band Edge / 1 RB



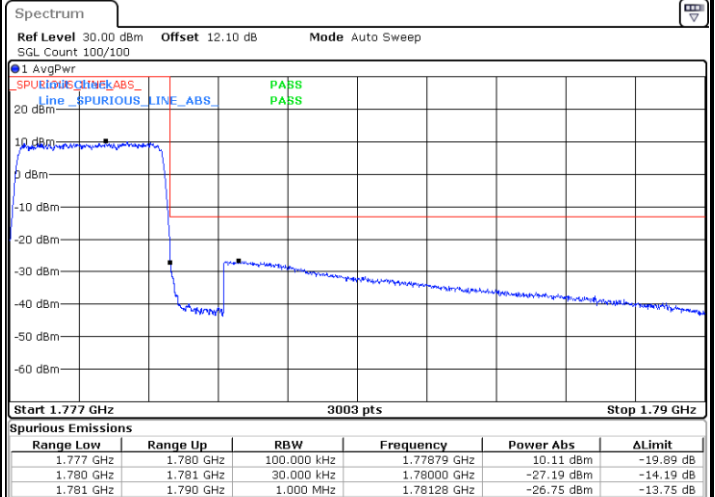
Date: 23 DEC 2020 13:49:12

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:40:38

Highest Band Edge / Full RB

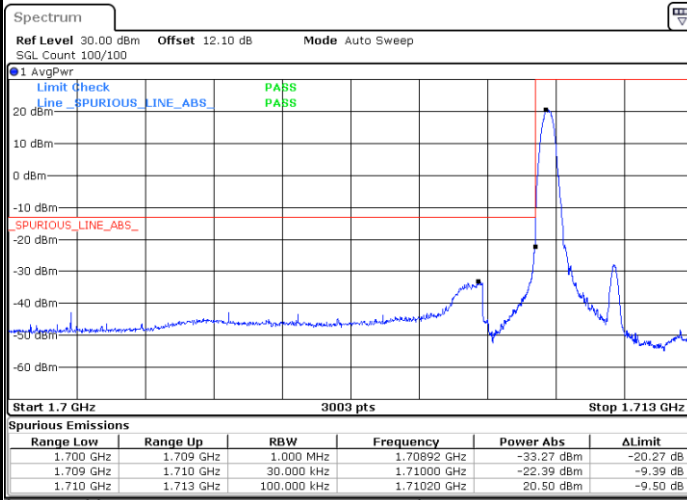


Date: 23 DEC 2020 13:50:38



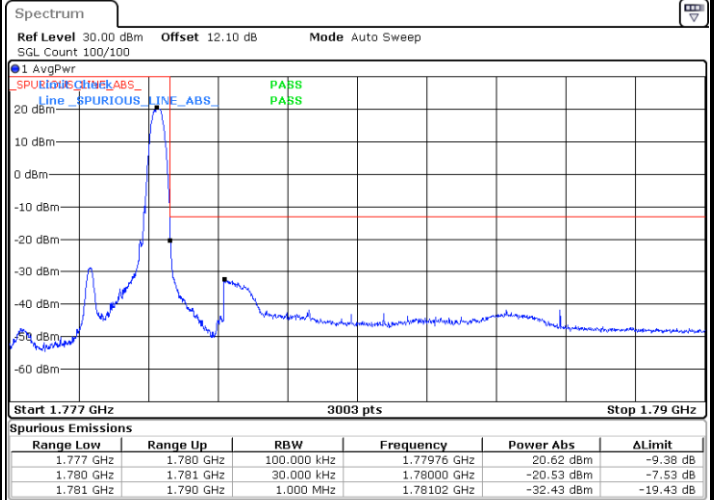
LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



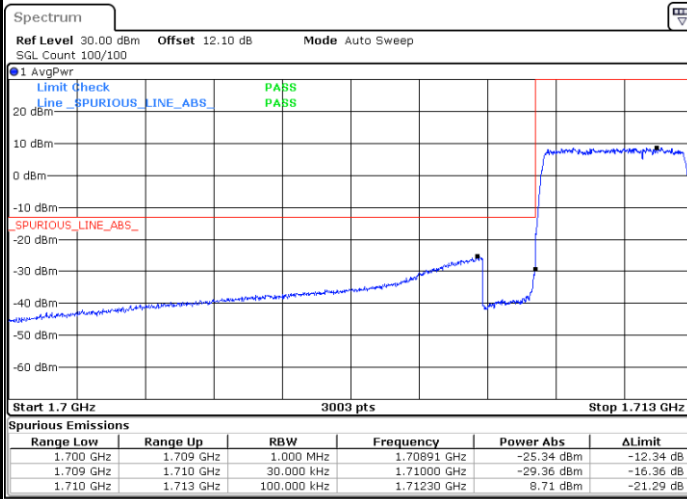
Date: 23 DEC 2020 13:51:21

Highest Band Edge / 1 RB



Date: 23 DEC 2020 13:53:17

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:52:05

Highest Band Edge / Full RB

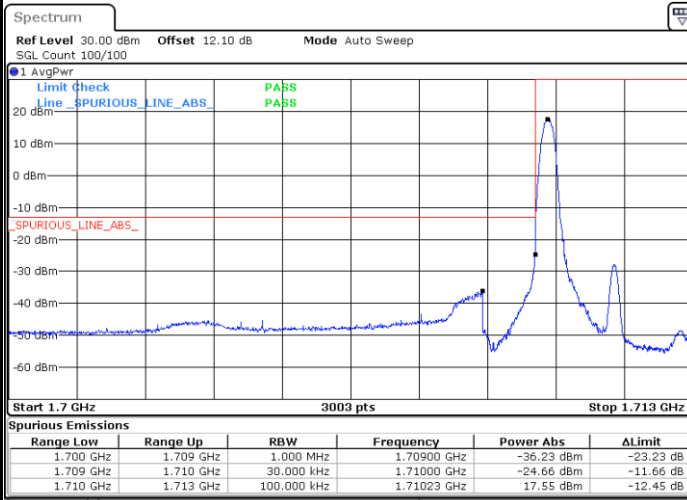


Date: 23 DEC 2020 13:54:00



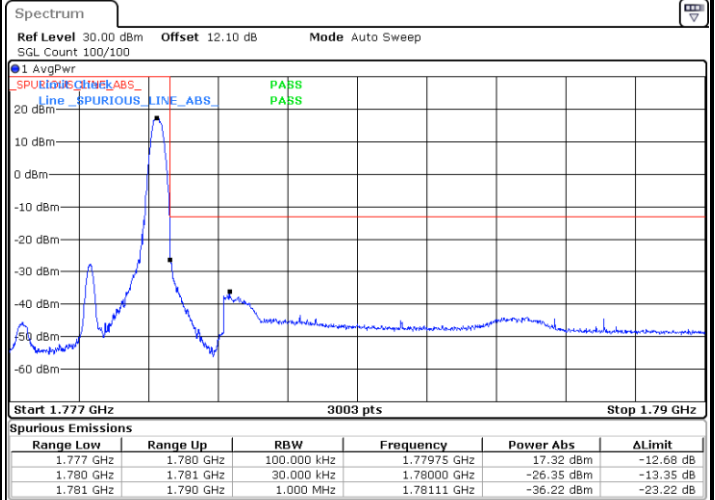
LTE Band 66 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



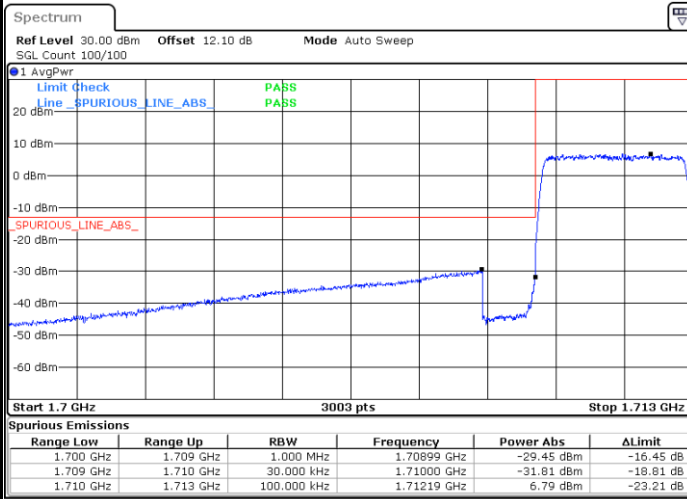
Date: 23 DEC 2020 15:28:07

Highest Band Edge / 1 RB



Date: 23 DEC 2020 15:30:03

Lowest Band Edge / Full RB



Date: 23 DEC 2020 15:29:01

Highest Band Edge / Full RB

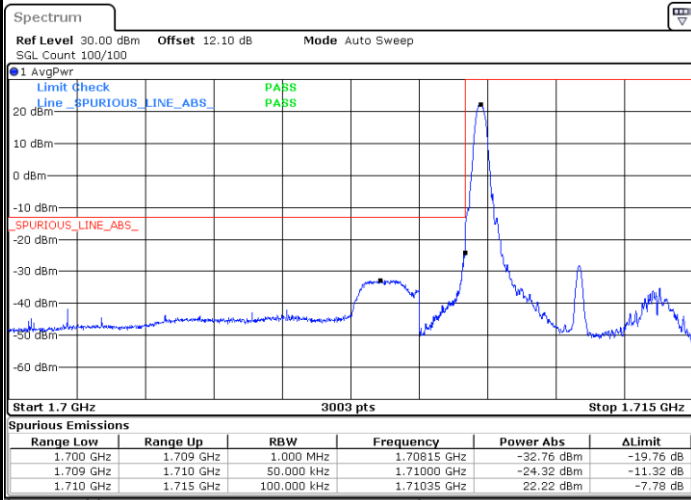


Date: 23 DEC 2020 15:30:56



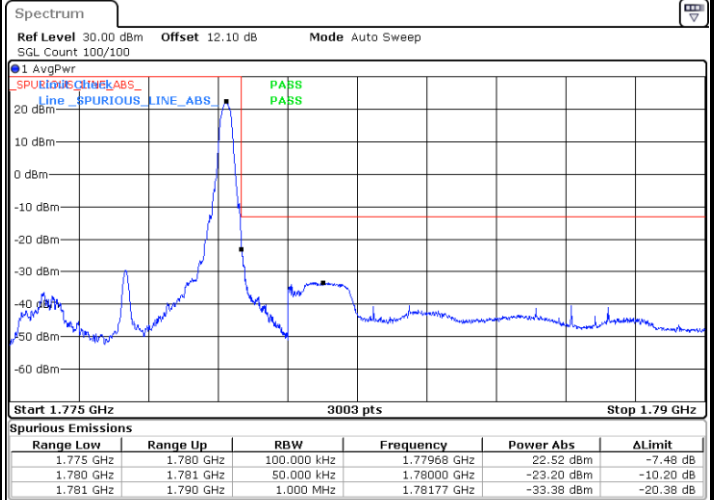
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



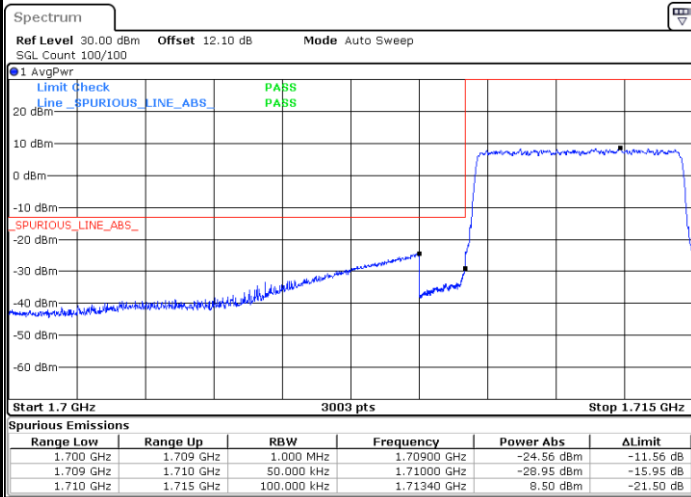
Date: 23 DEC 2020 13:58:04

Highest Band Edge / 1 RB



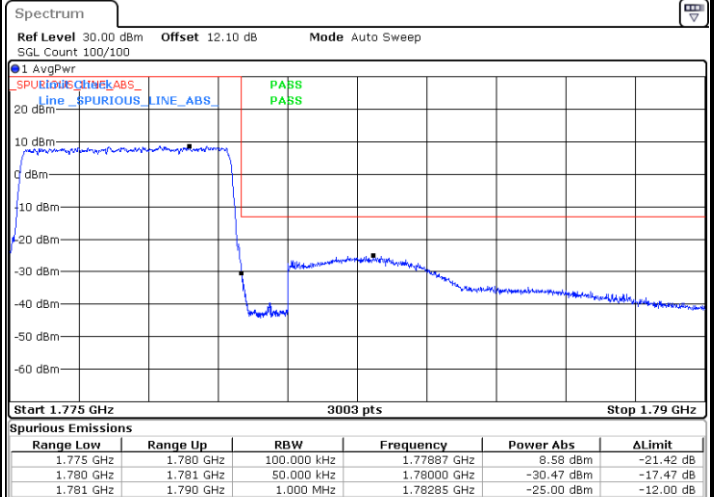
Date: 23 DEC 2020 14:01:55

Lowest Band Edge / Full RB



Date: 23 DEC 2020 13:59:31

Highest Band Edge / Full RB



Date: 23 DEC 2020 14:03:21