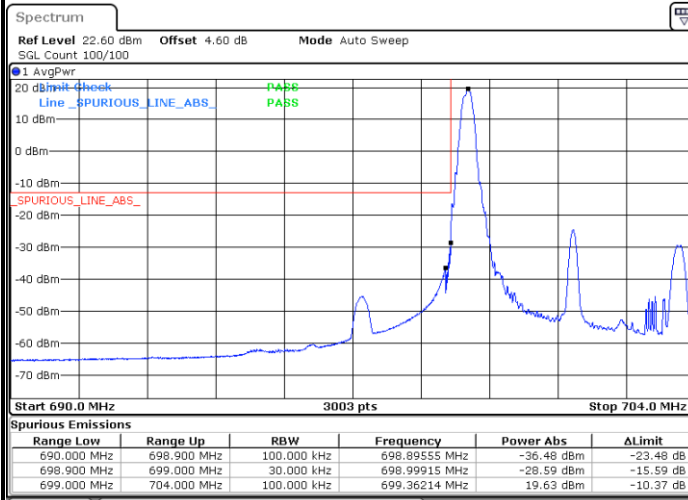


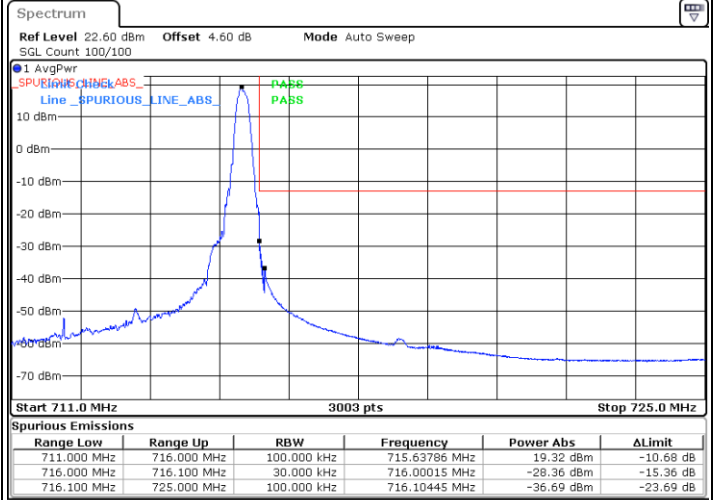


LTE Band 12 / 5MHz / 64QAM

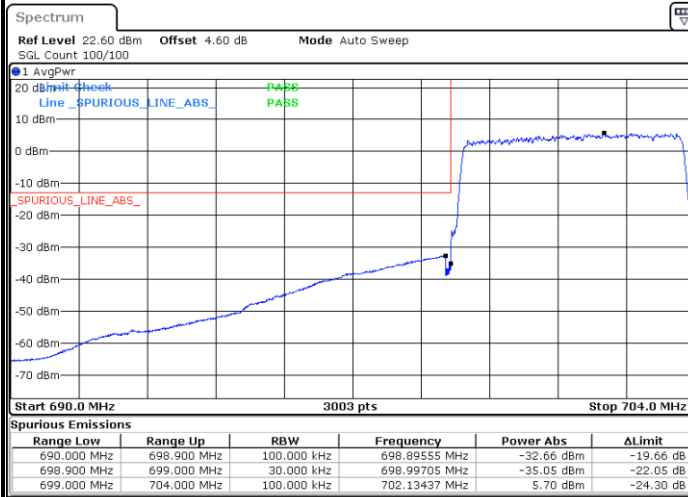
Lowest Band Edge / 1RB



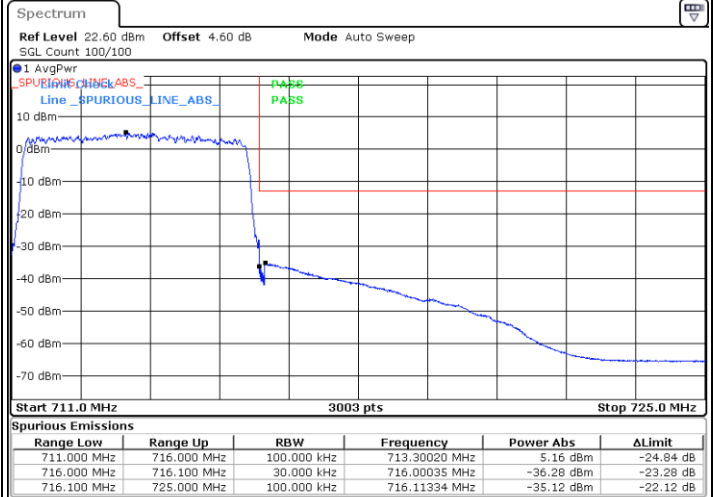
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



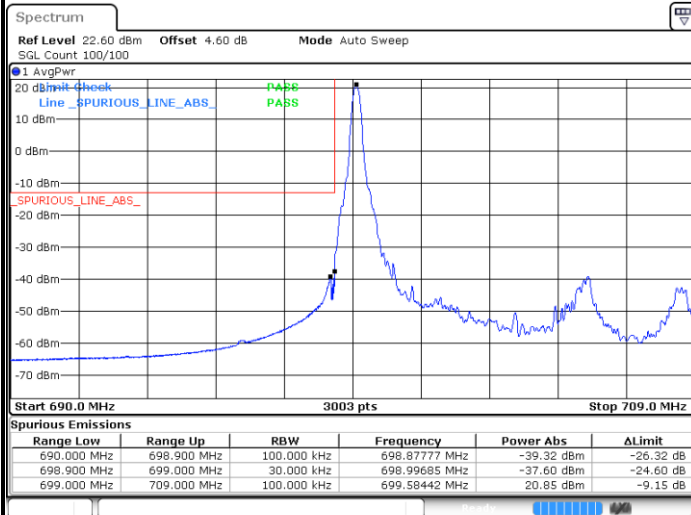
Highest Band Edge / Full RB



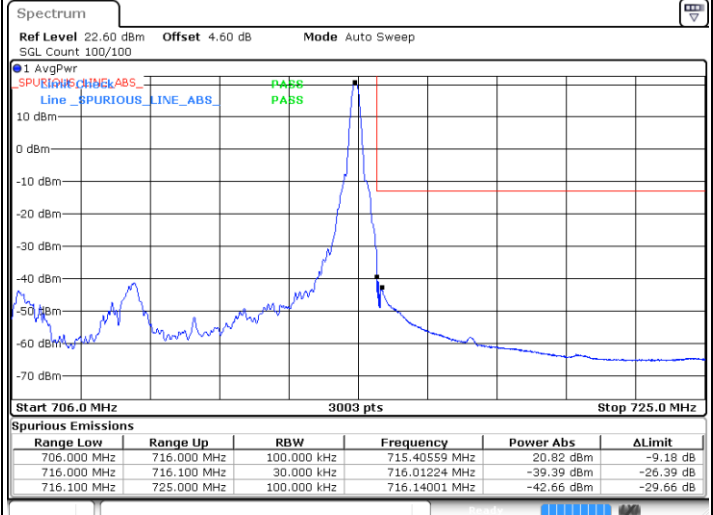


LTE Band 12 / 10MHz / QPSK

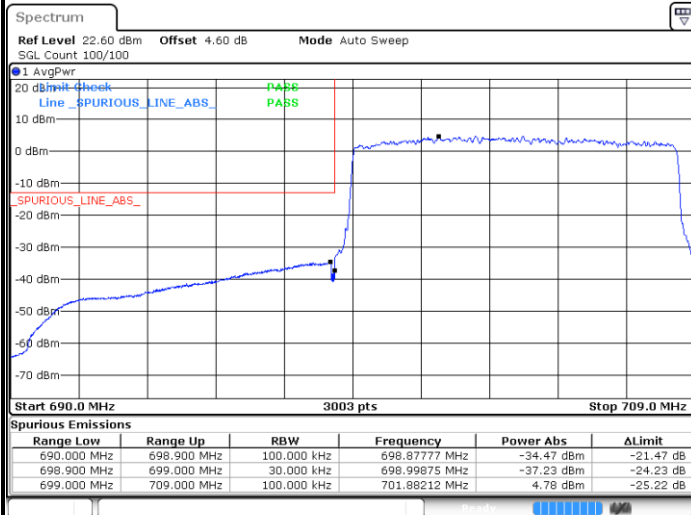
Lowest Band Edge / 1 RB



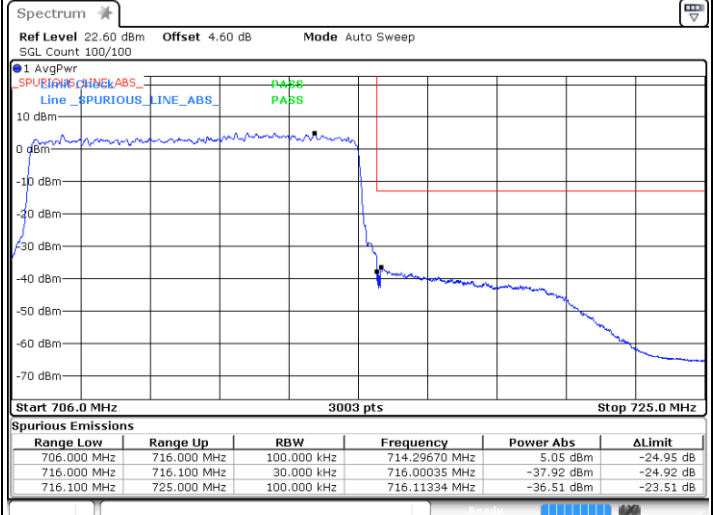
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



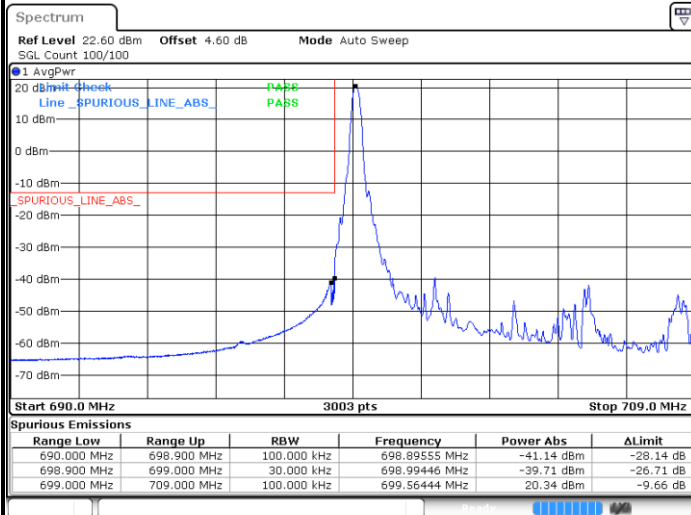
Highest Band Edge / Full RB



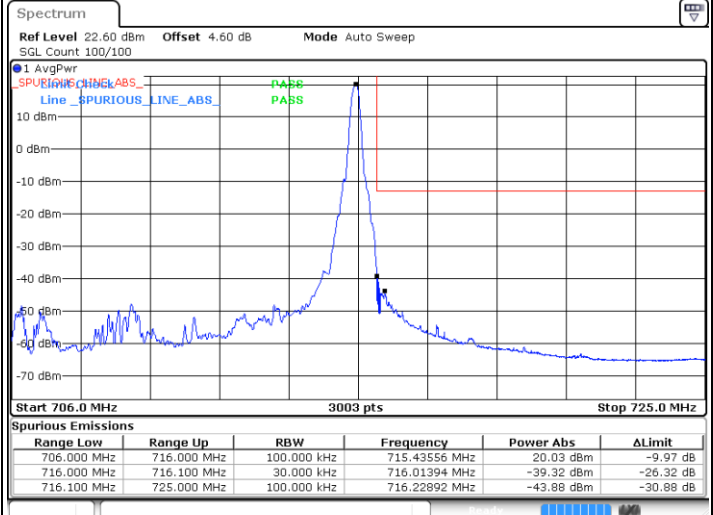


LTE Band 12 / 10MHz / 16QAM

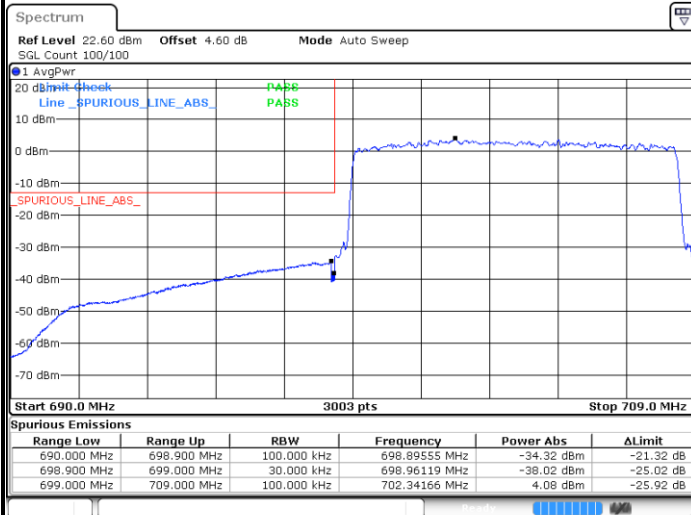
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



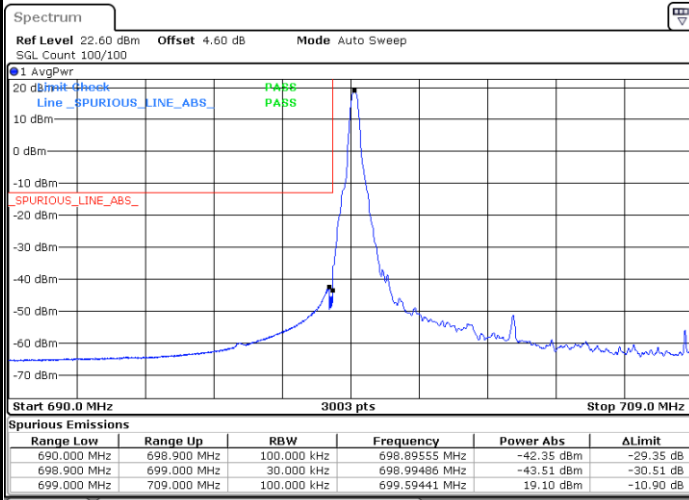
Highest Band Edge / Full RB



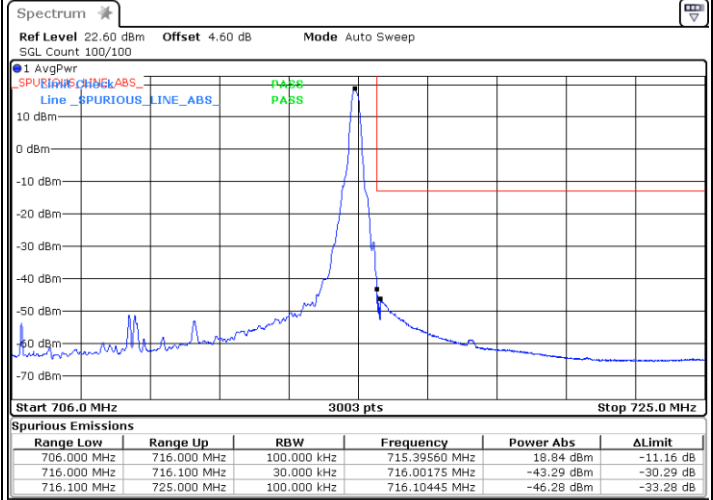


LTE Band 12 / 10MHz / 64QAM

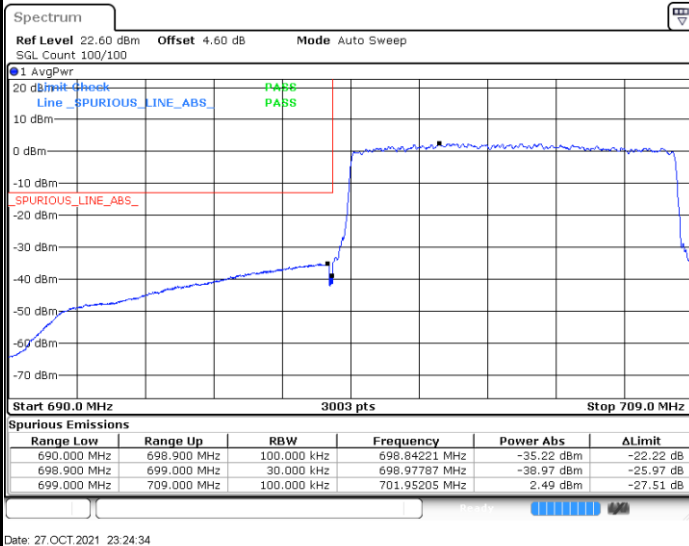
Lowest Band Edge / 1 RB



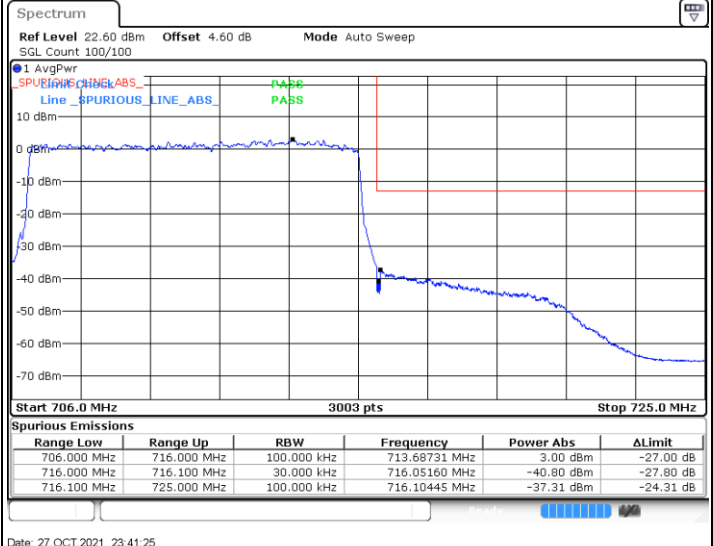
Highest Band Edge / 1 RB

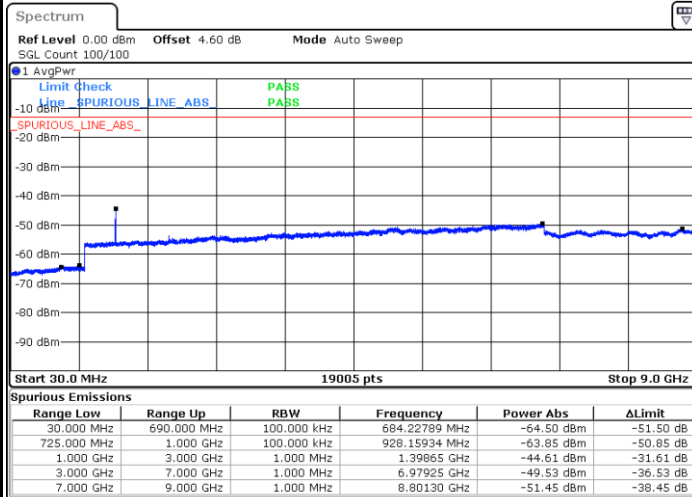


Lowest Band Edge / Full RB

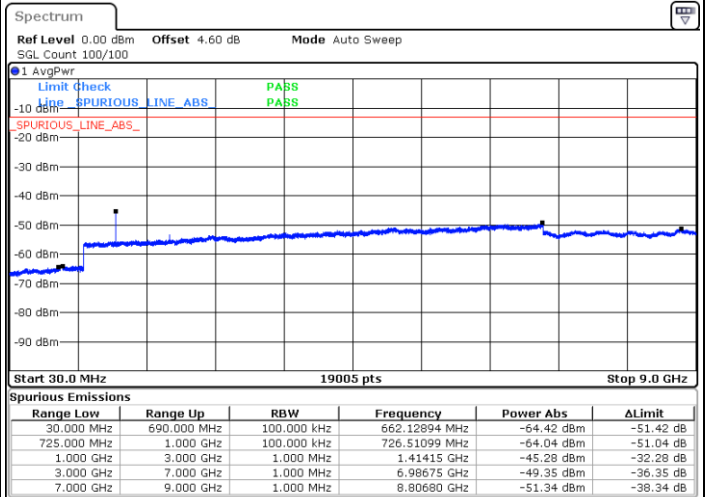


Highest Band Edge / Full RB

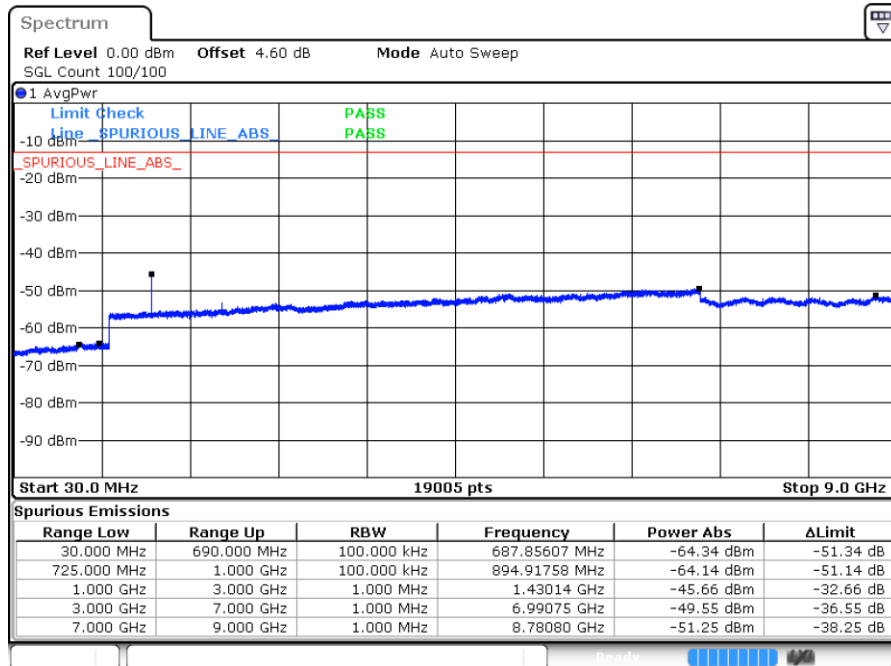


**Conducted Spurious Emission****LTE Band 12 / 1.4MHz****Lowest Channel / QPSK**

Date: 27.OCT.2021 22:06:03

Middle Channel / QPSK

Date: 27.OCT.2021 22:03:46

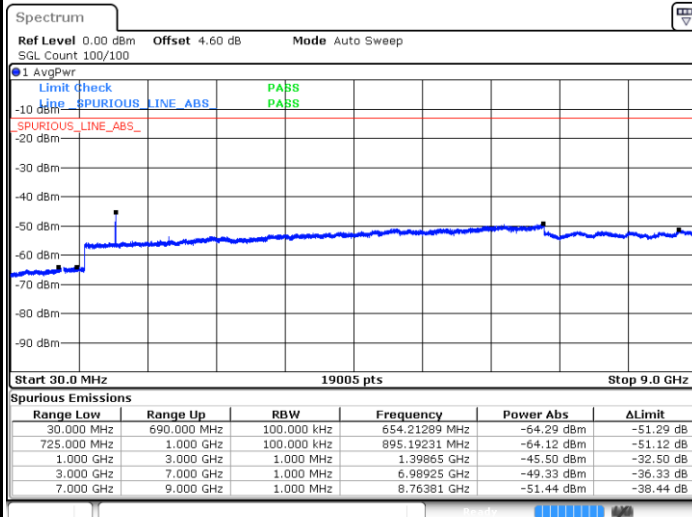
Highest Channel / QPSK

Date: 27.OCT.2021 22:06:53



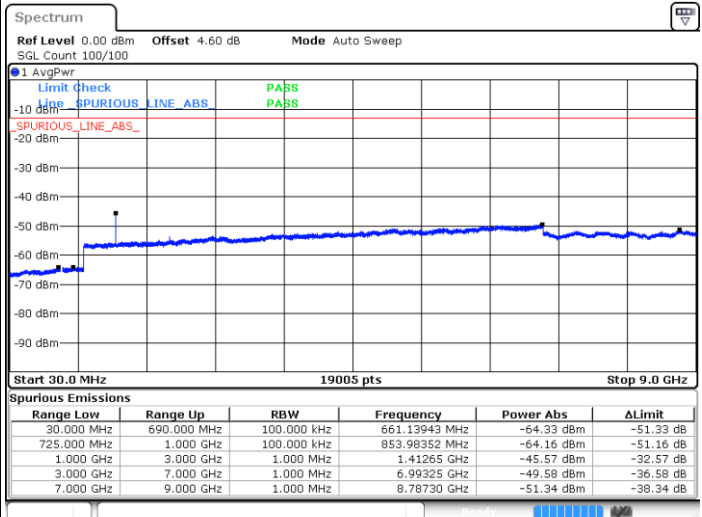
LTE Band 12 / 3MHz

Lowest Channel / QPSK



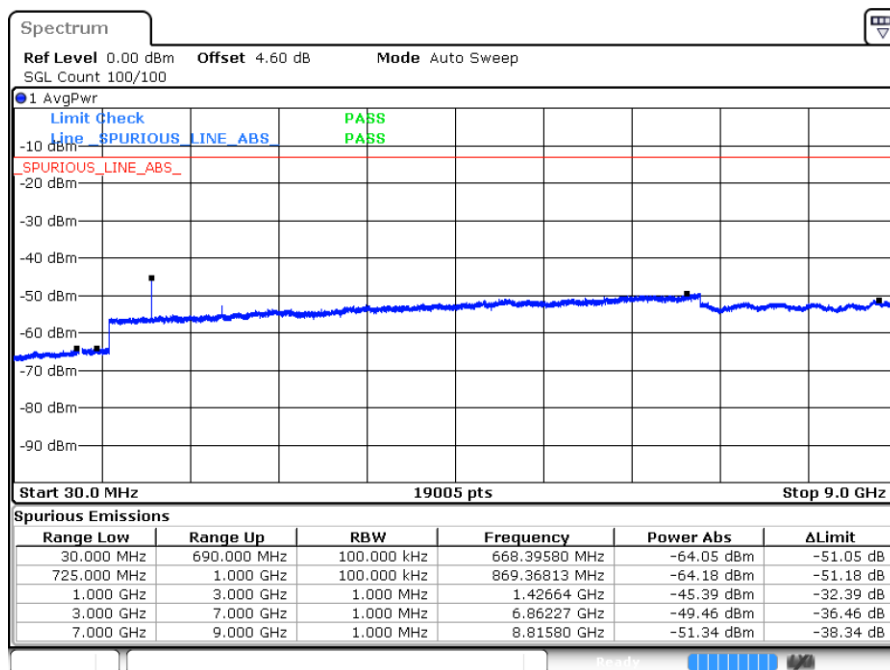
Date: 27.OCT.2021 22:22:02

Middle Channel / QPSK



Date: 27.OCT.2021 22:30:39

Highest Channel / QPSK

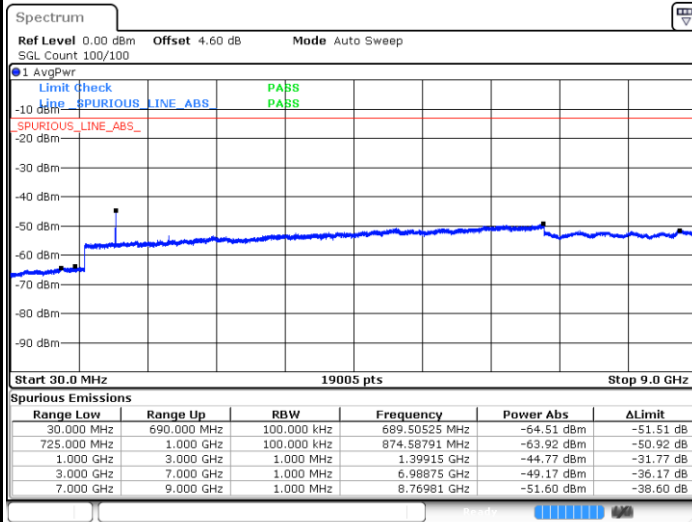


Date: 27.OCT.2021 22:31:18



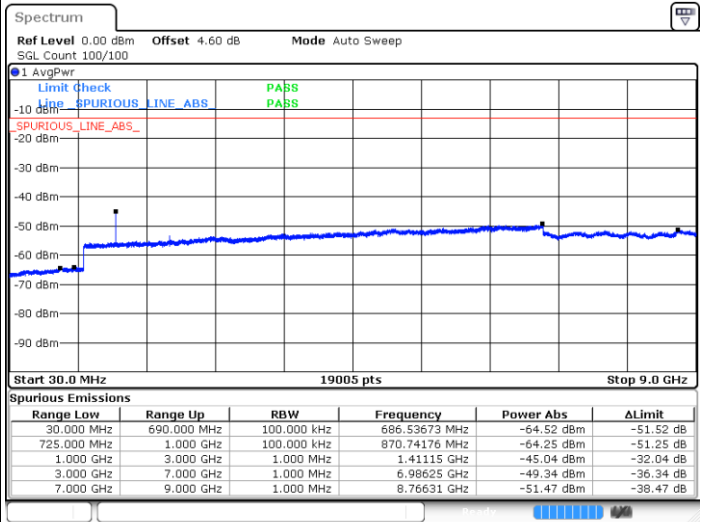
LTE Band 12 / 5MHz

Lowest Channel / QPSK



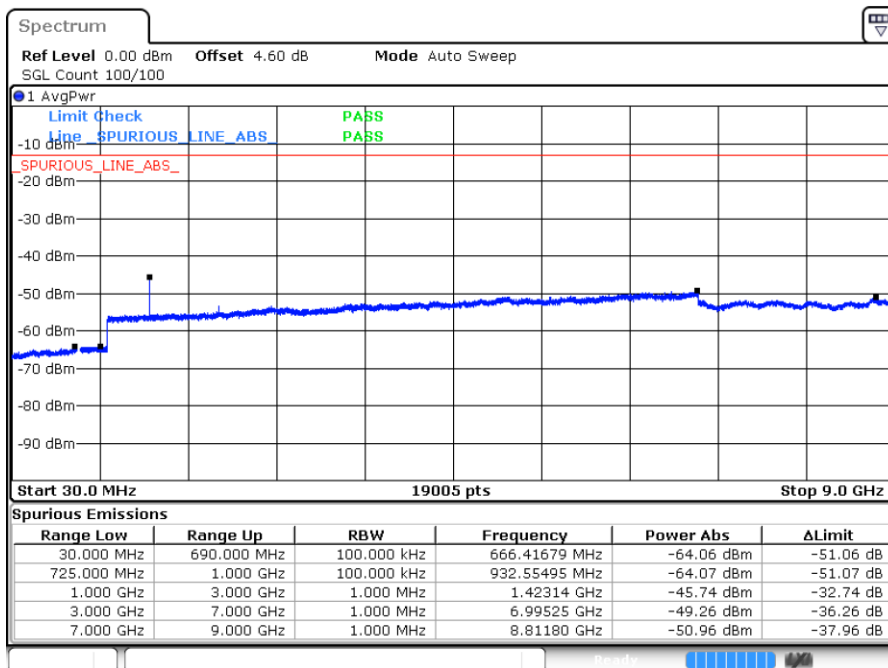
Date: 27.OCT.2021 22:44:20

Middle Channel / QPSK



Date: 27.OCT.2021 22:51:56

Highest Channel / QPSK

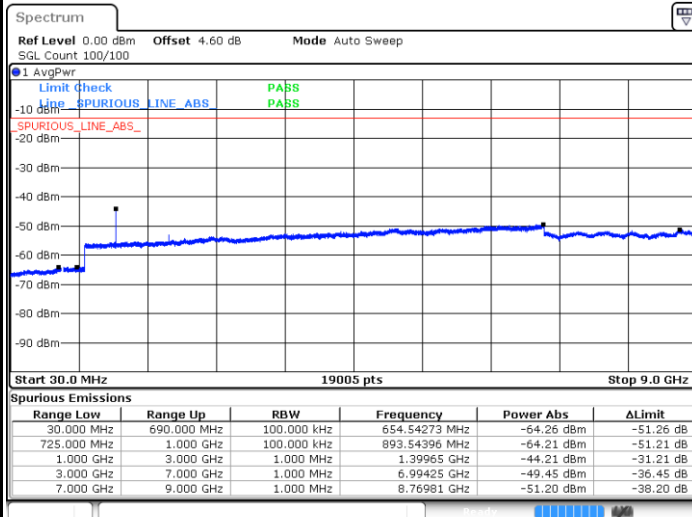


Date: 27.OCT.2021 22:52:35



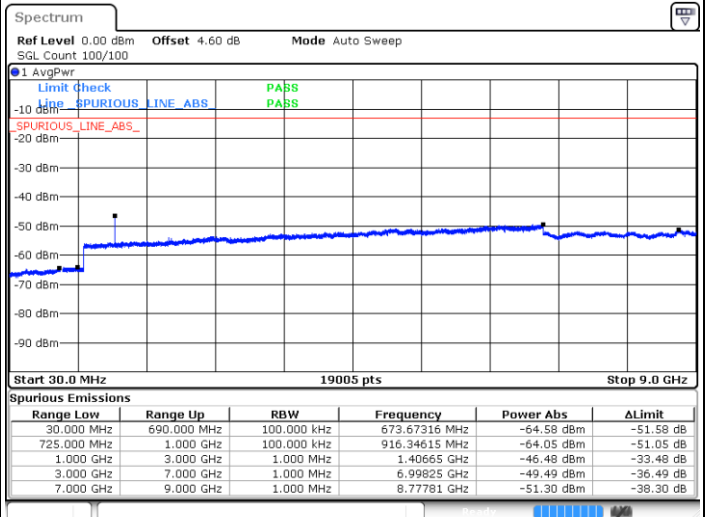
LTE Band 12 / 10MHz

Lowest Channel / QPSK



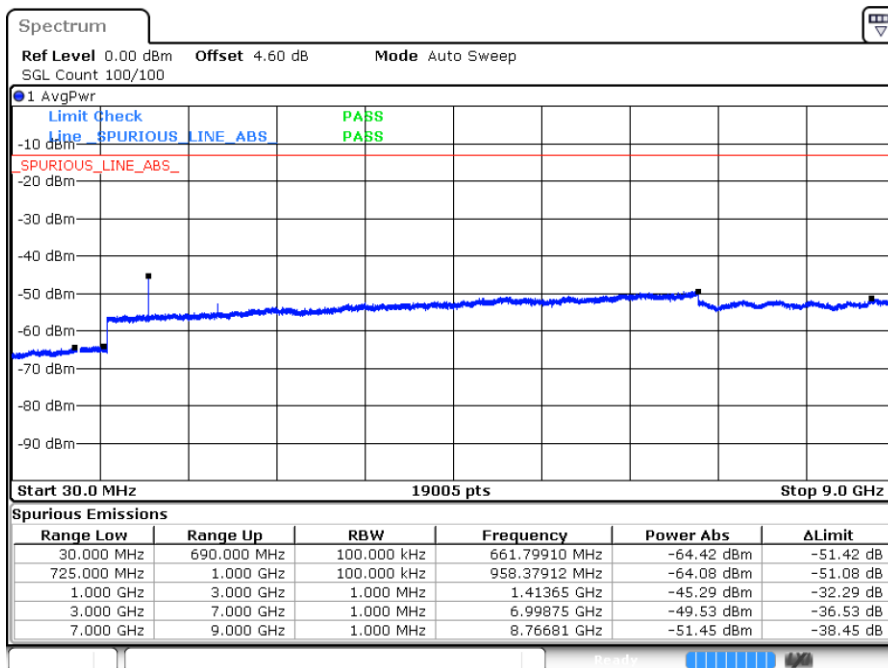
Date: 27.OCT.2021 23:17:57

Middle Channel / QPSK



Date: 27.OCT.2021 23:29:48

Highest Channel / QPSK



Date: 27.OCT.2021 23:35:02

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



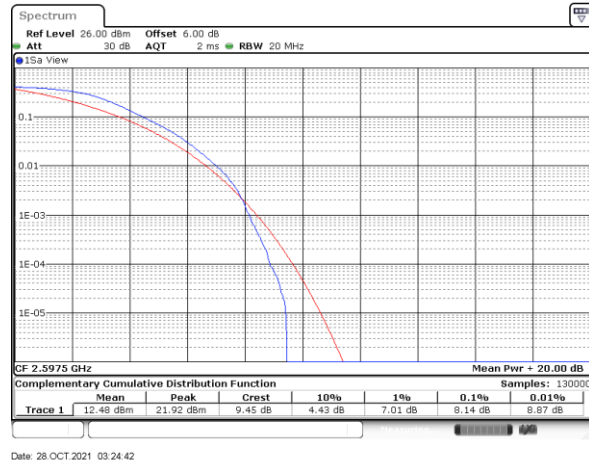
LTE Band 41

Peak-to-Average Ratio

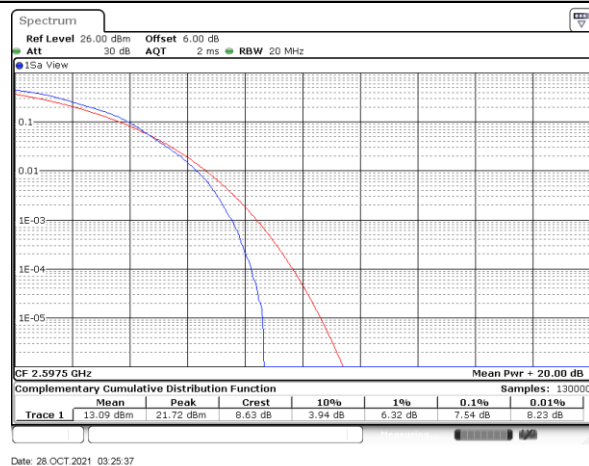
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	8.14	7.54	7.22	PASS

LTE Band 41 / 20MHz

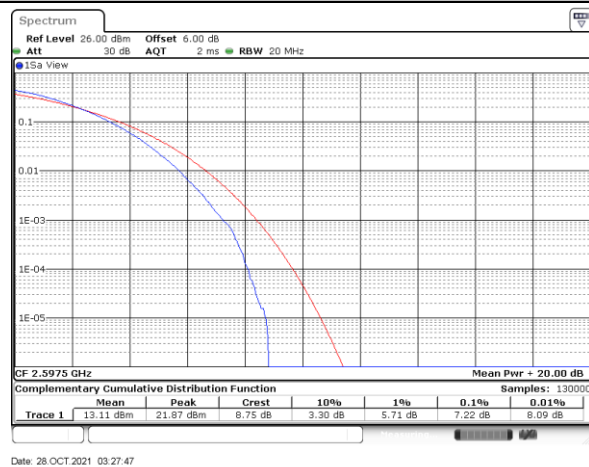
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM

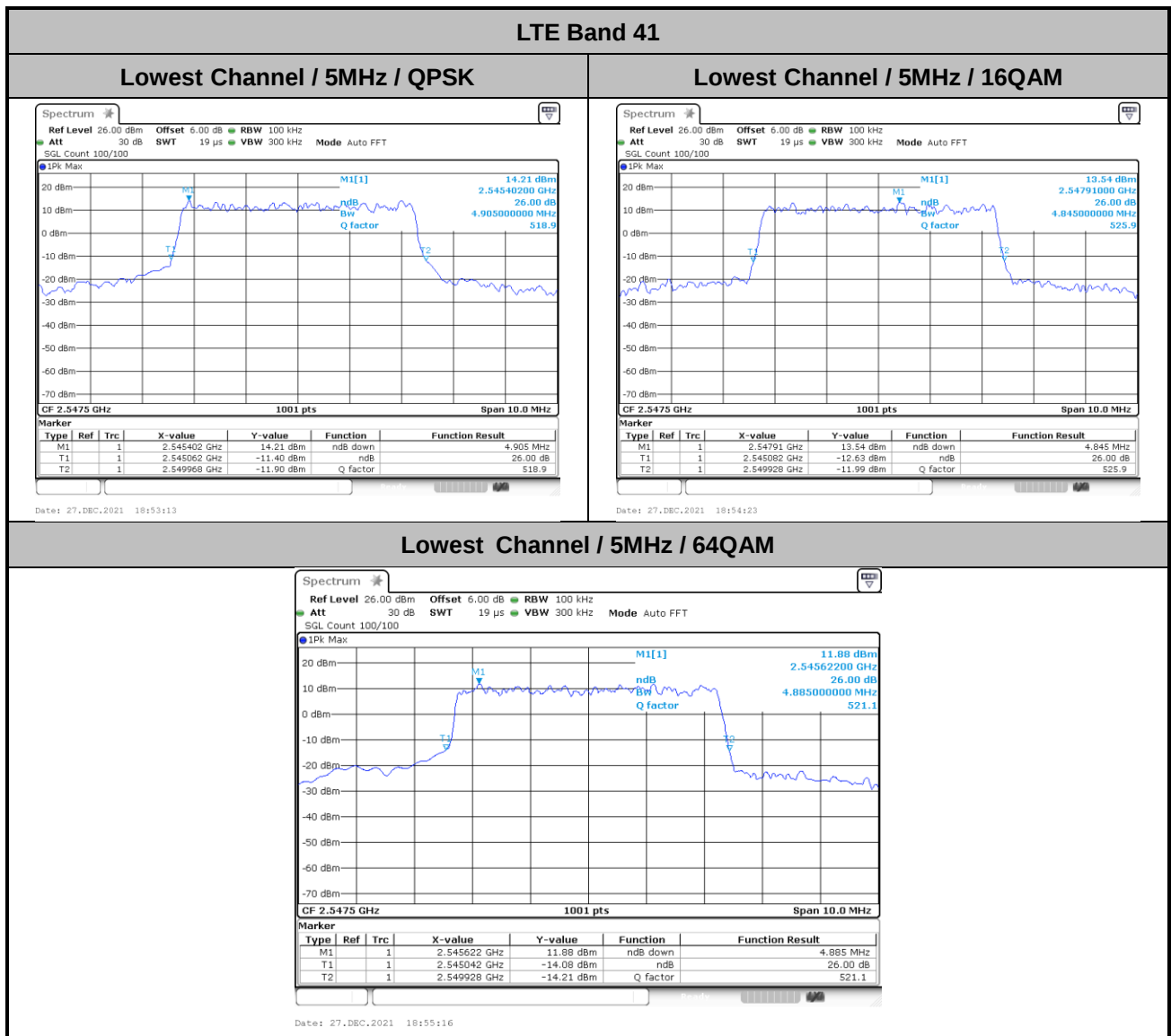


Middle Channel / Full RB / 64QAM



26dB Bandwidth

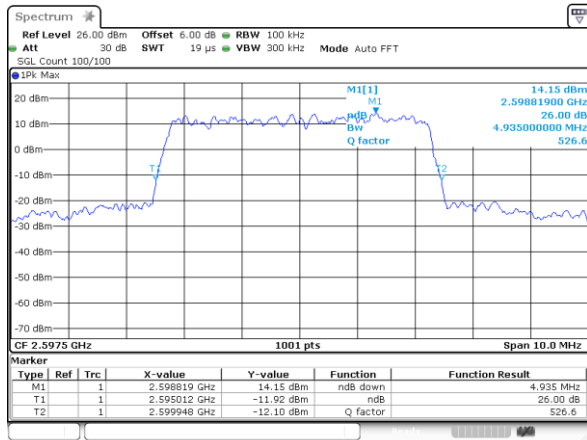
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	5 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.905	4.845	4.885
Middle CH	4.935	4.885	4.895
Highest CH	4.825	4.875	4.885





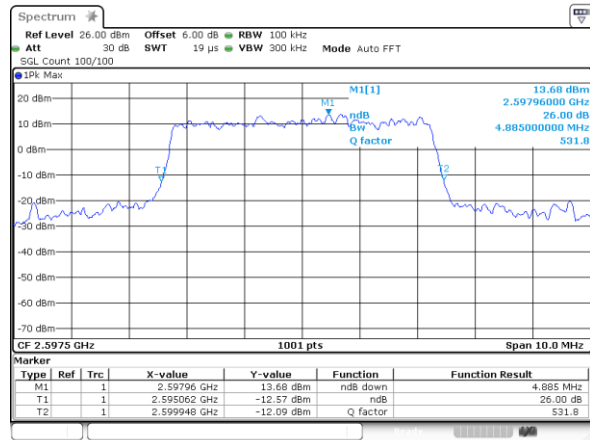
LTE Band 41

Middle Channel / 5MHz / QPSK



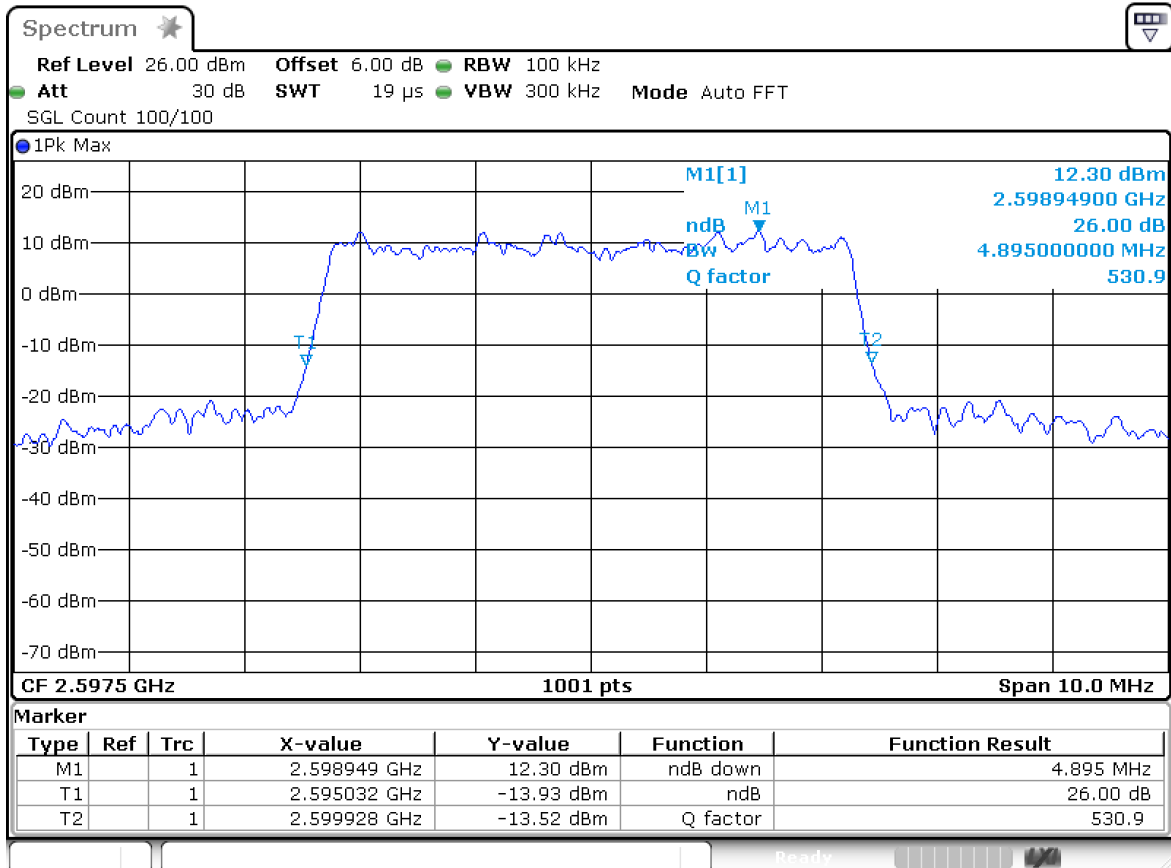
Date: 27.DEC.2021 18:59:43

Middle Channel / 5MHz / 16QAM



Date: 27.DEC.2021 18:58:27

Middle Channel / 5MHz / 64QAM

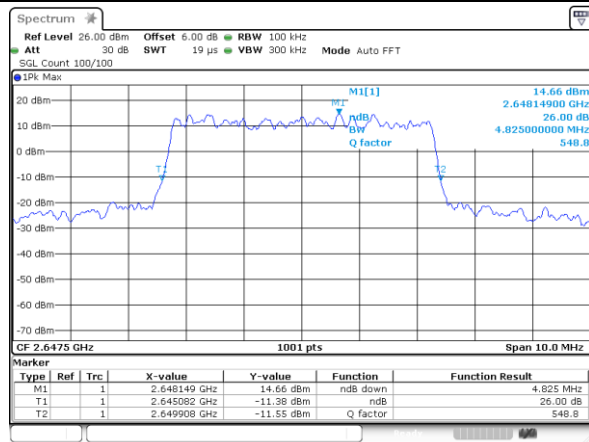


Date: 27.DEC.2021 18:57:10



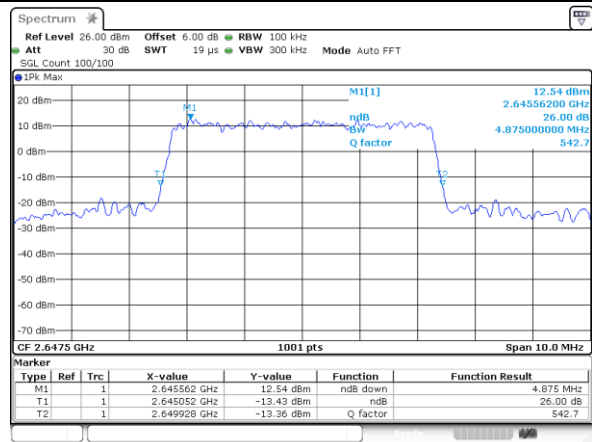
LTE Band 41

Highest Channel / 5MHz / QPSK



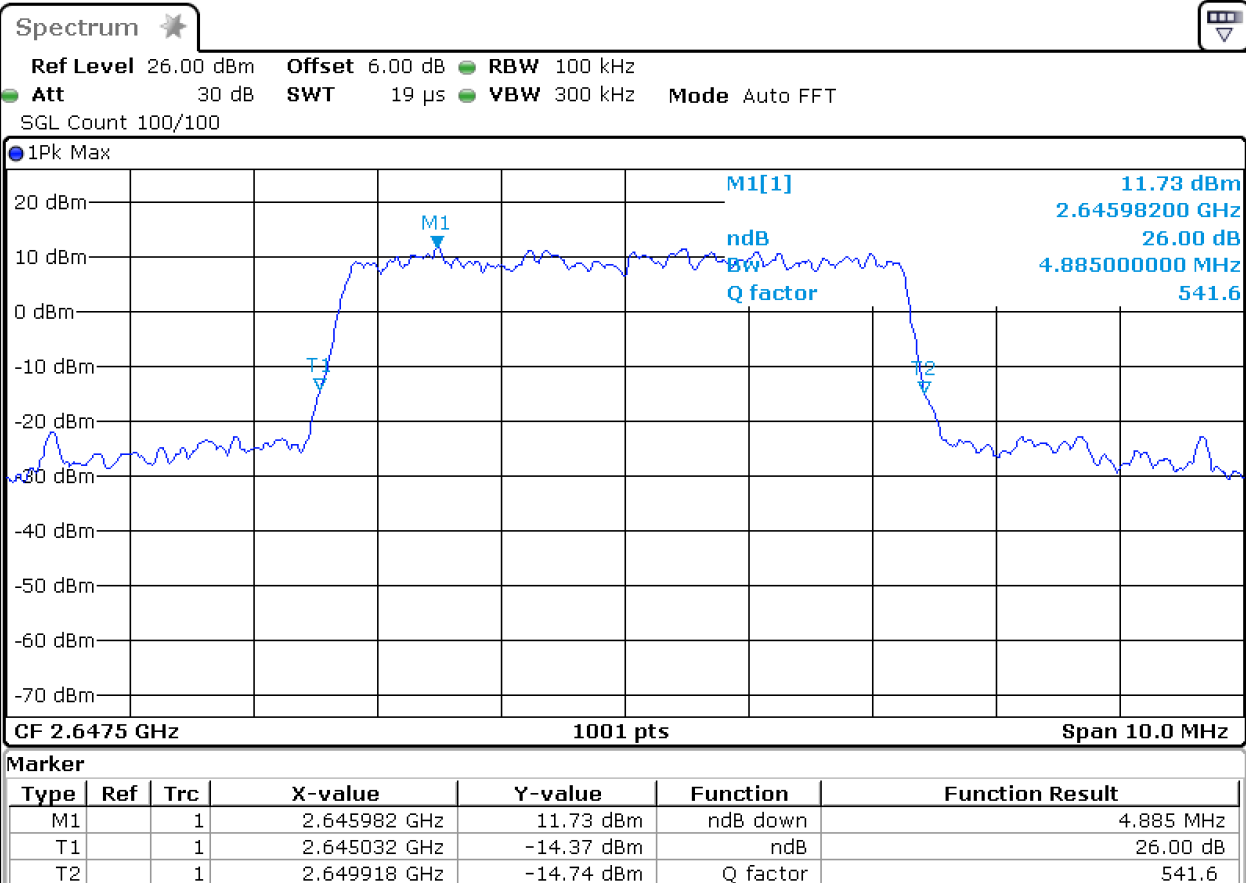
Date: 27.DEC.2021 19:14:16

Highest Channel / 5MHz / 16QAM



Date: 27.DEC.2021 19:15:44

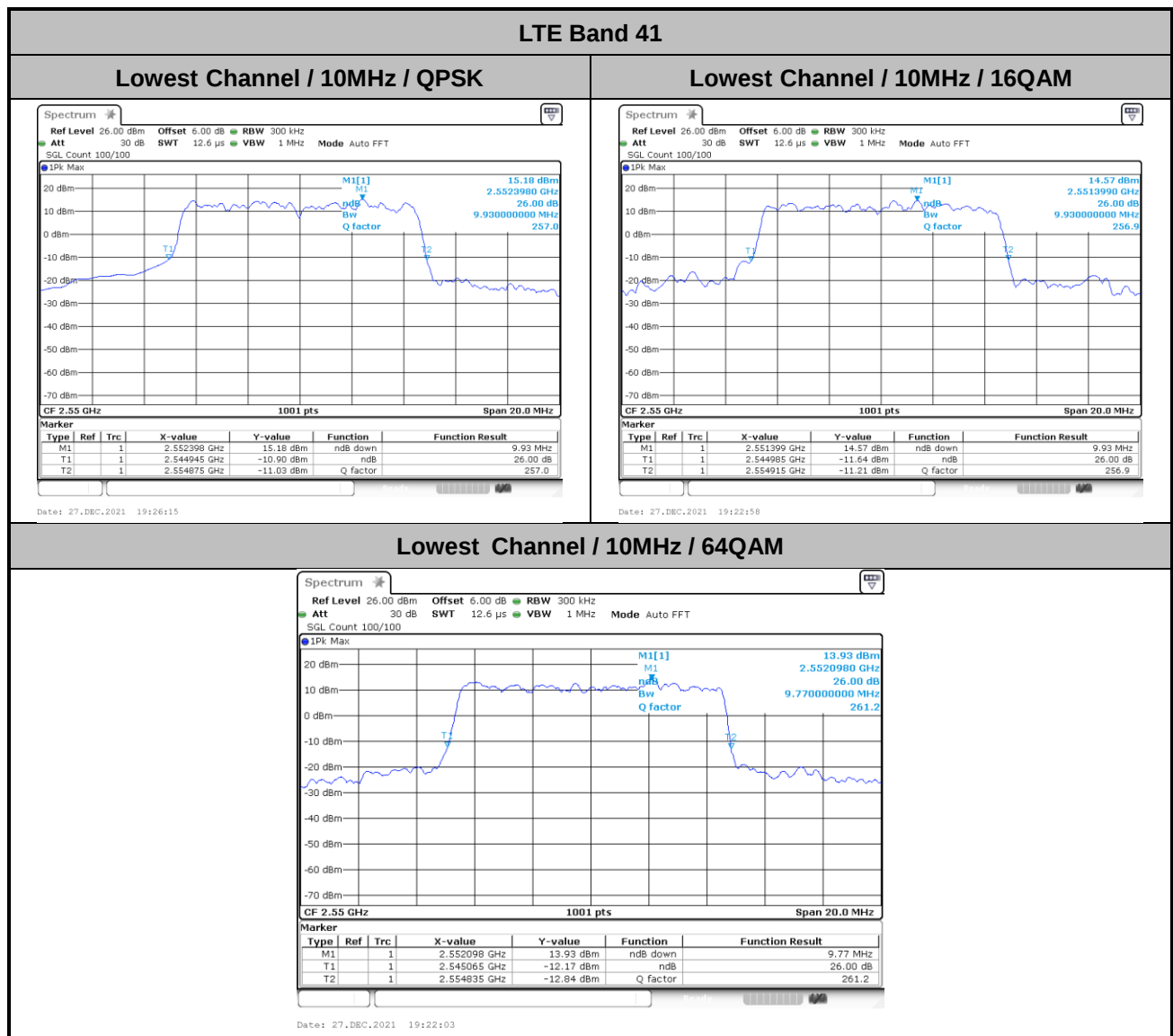
Highest Channel / 5MHz / 64QAM



Date: 27.DEC.2021 19:16:45



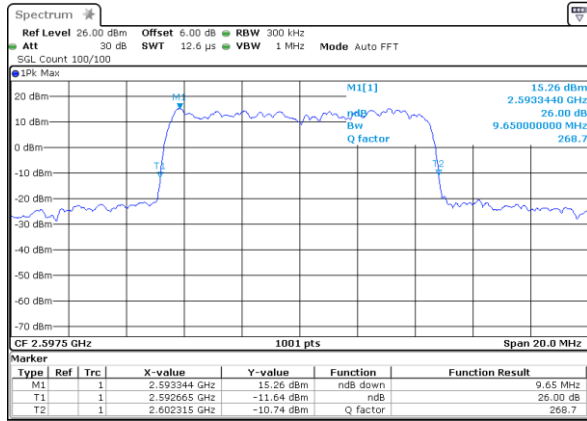
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	10 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	9.93	9.93	9.77
Middle CH	9.65	9.87	9.81
Highest CH	9.91	9.65	9.87





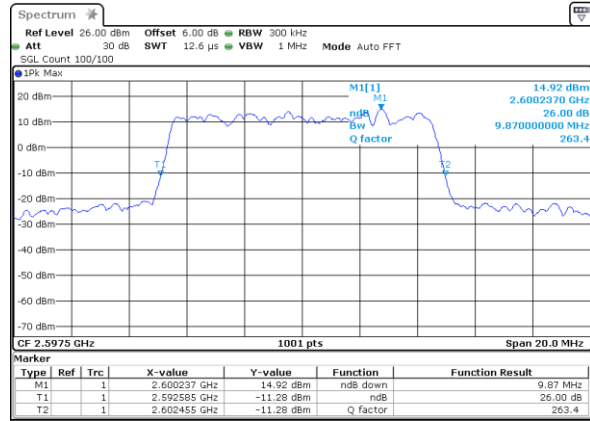
LTE Band 41

Middle Channel / 10MHz / QPSK



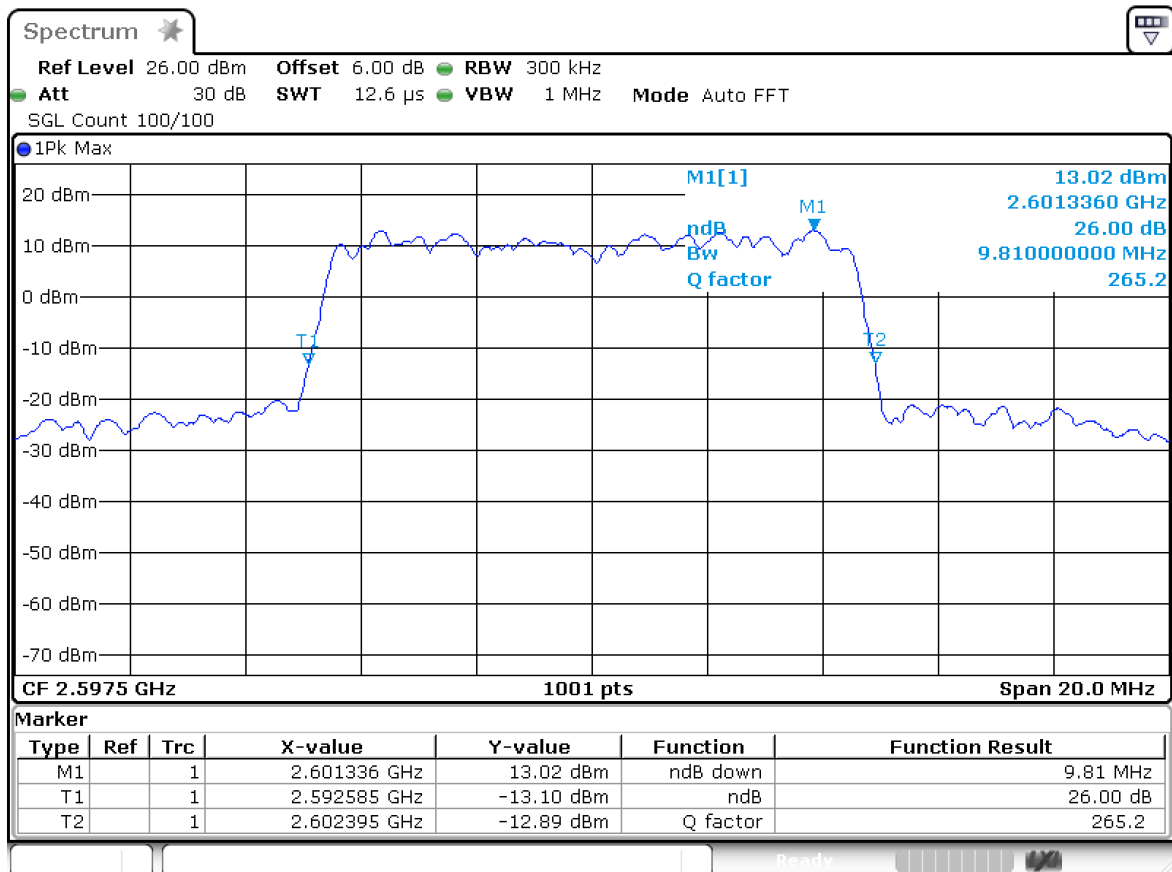
Date: 27.DEC.2021 19:33:52

Middle Channel / 10MHz / 16QAM



Date: 27.DEC.2021 19:35:05

Middle Channel / 10MHz / 64QAM

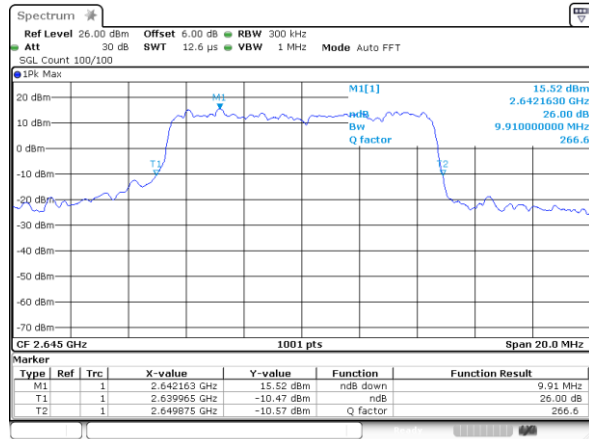


Date: 27.DEC.2021 19:35:52



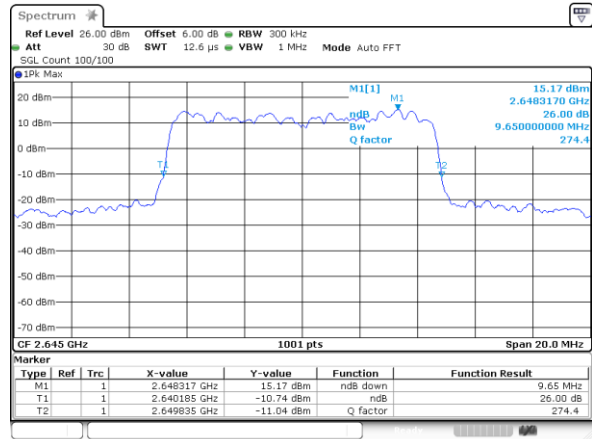
LTE Band 41

Highest Channel / 10MHz / QPSK



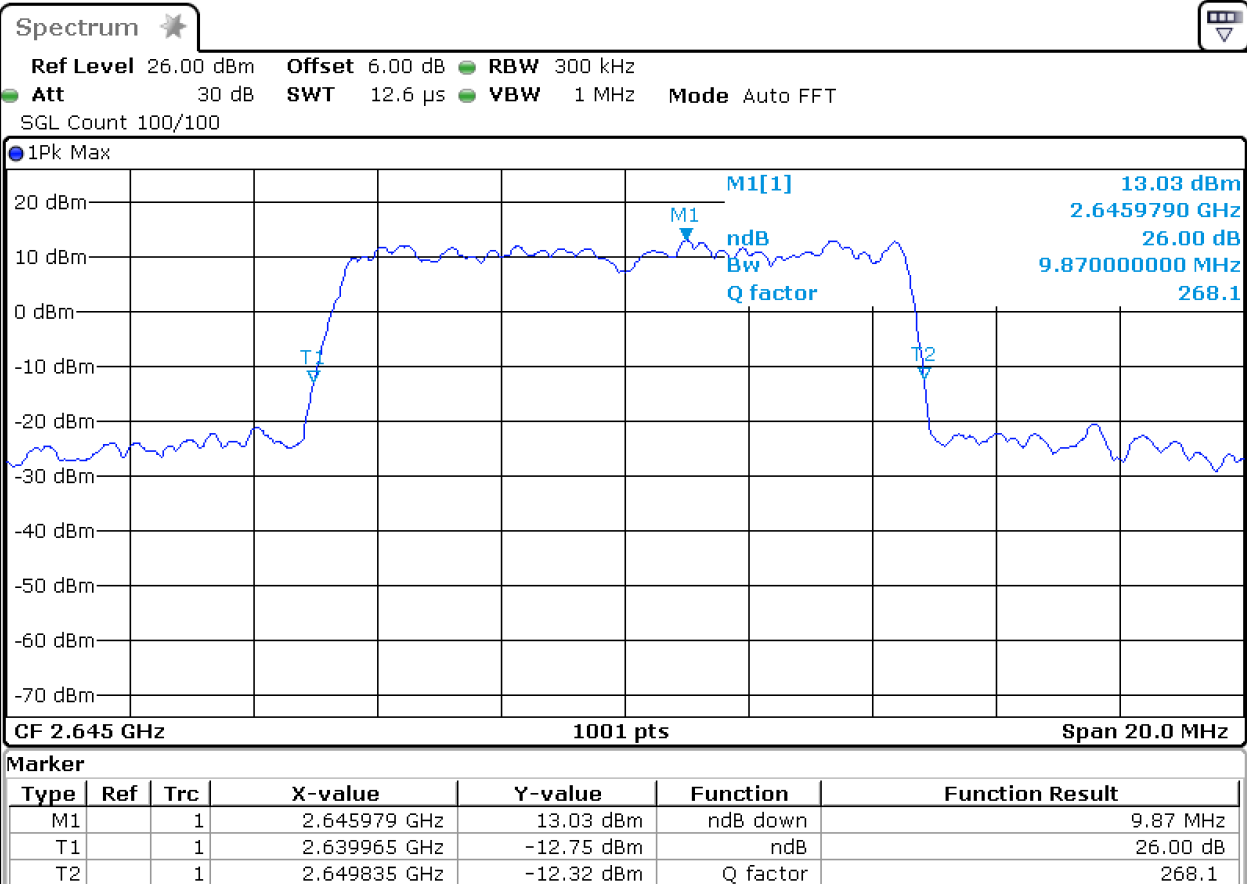
Date: 27.DEC.2021 19:39:18

Highest Channel / 10MHz / 16QAM



Date: 27.DEC.2021 19:37:58

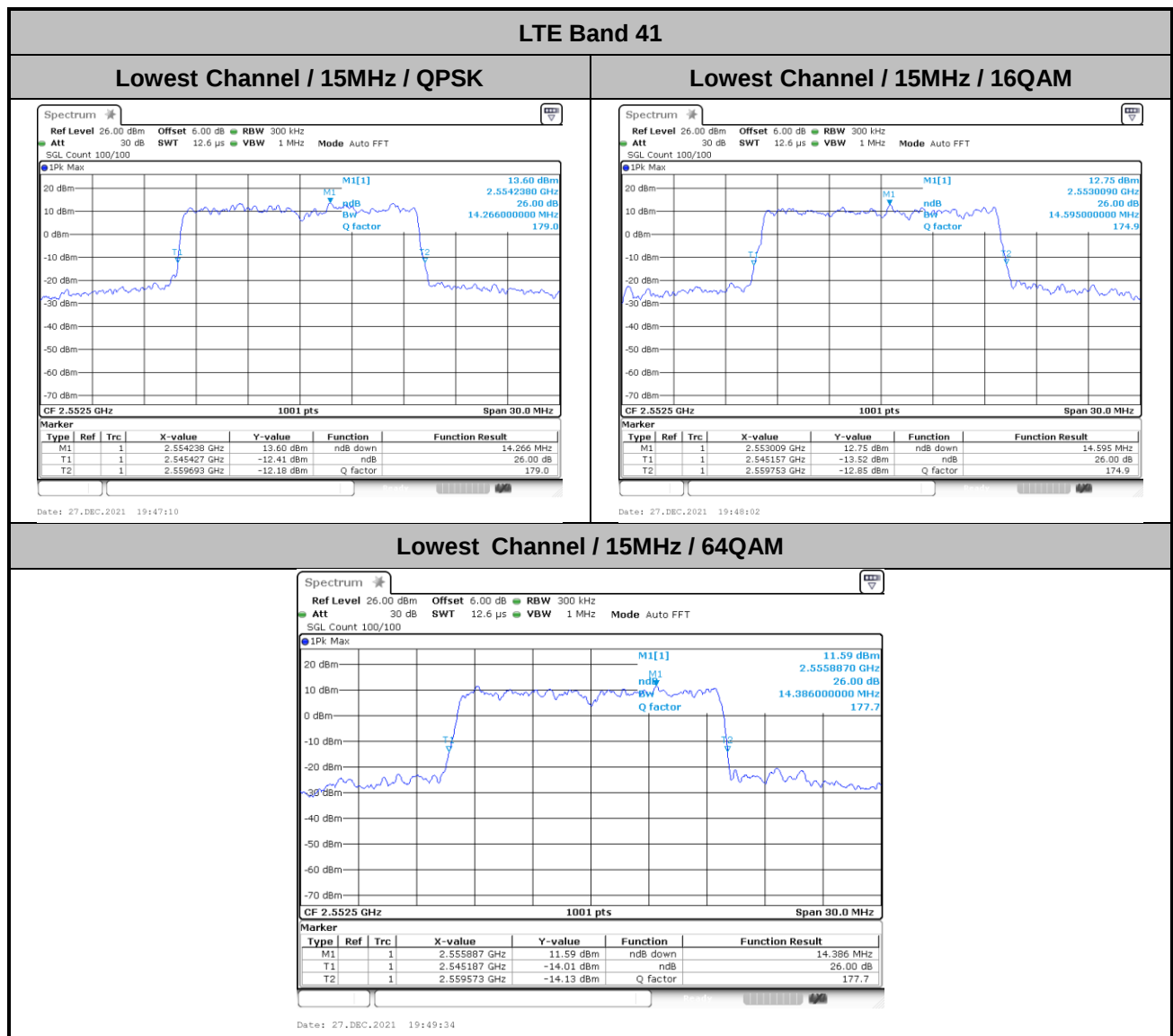
Highest Channel / 10MHz / 64QAM



Date: 27.DEC.2021 19:37:04



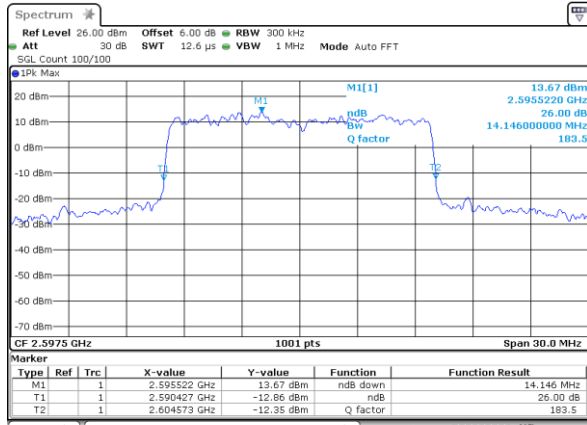
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	15 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	14.266	14.595	14.386
Middle CH	14.146	14.625	14.146
Highest CH	14.176	14.356	14.446





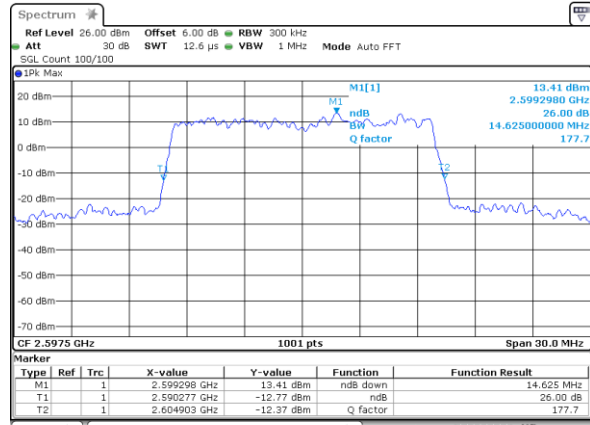
LTE Band 41

Middle Channel / 15MHz / QPSK



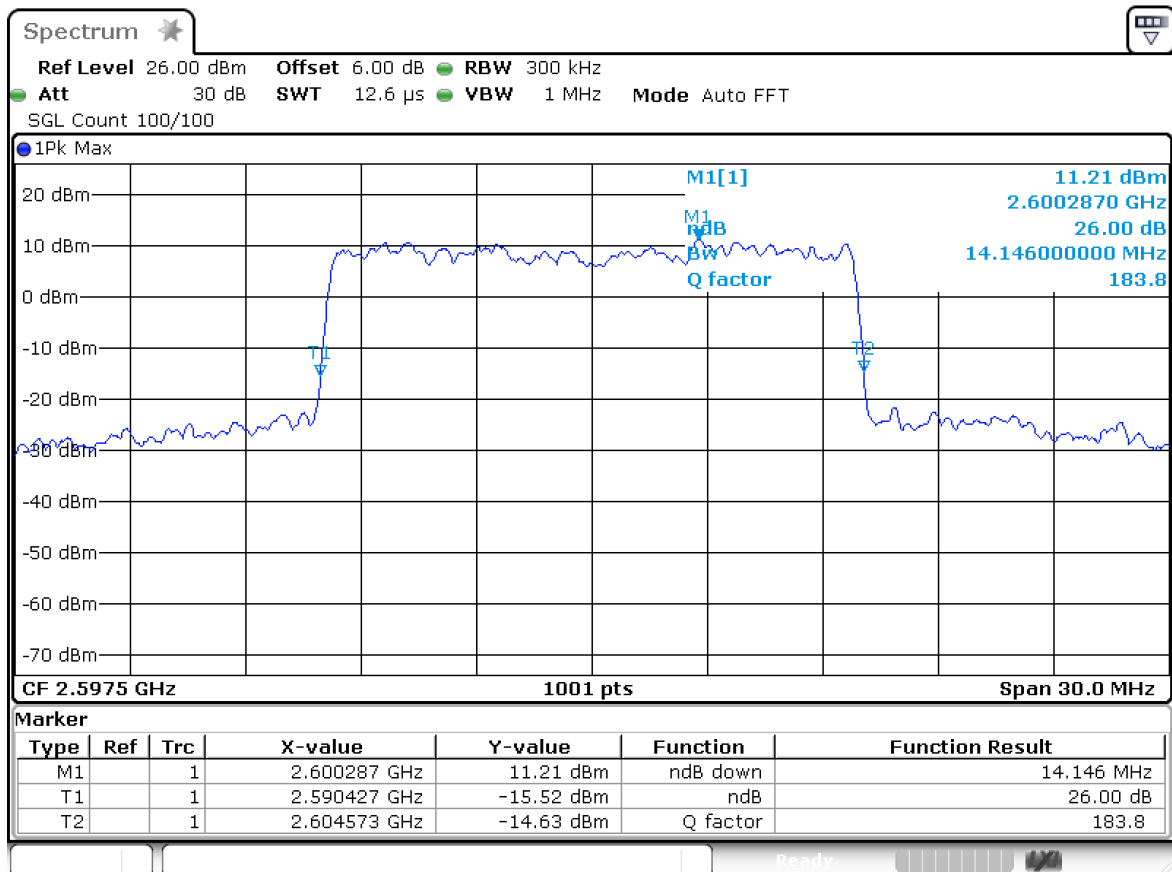
Date: 27.DEC.2021 19:52:25

Middle Channel / 15MHz / 16QAM



Date: 27.DEC.2021 19:51:39

Middle Channel / 15MHz / 64QAM

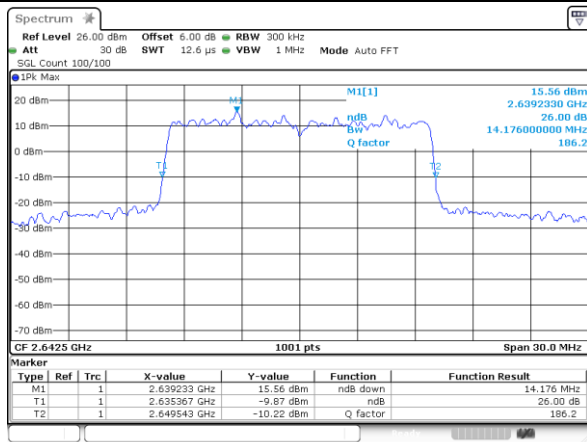


Date: 27.DEC.2021 19:50:36



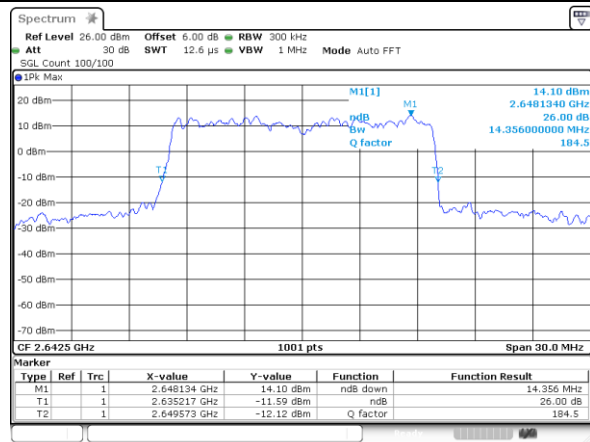
LTE Band 41

Highest Channel / 15MHz / QPSK



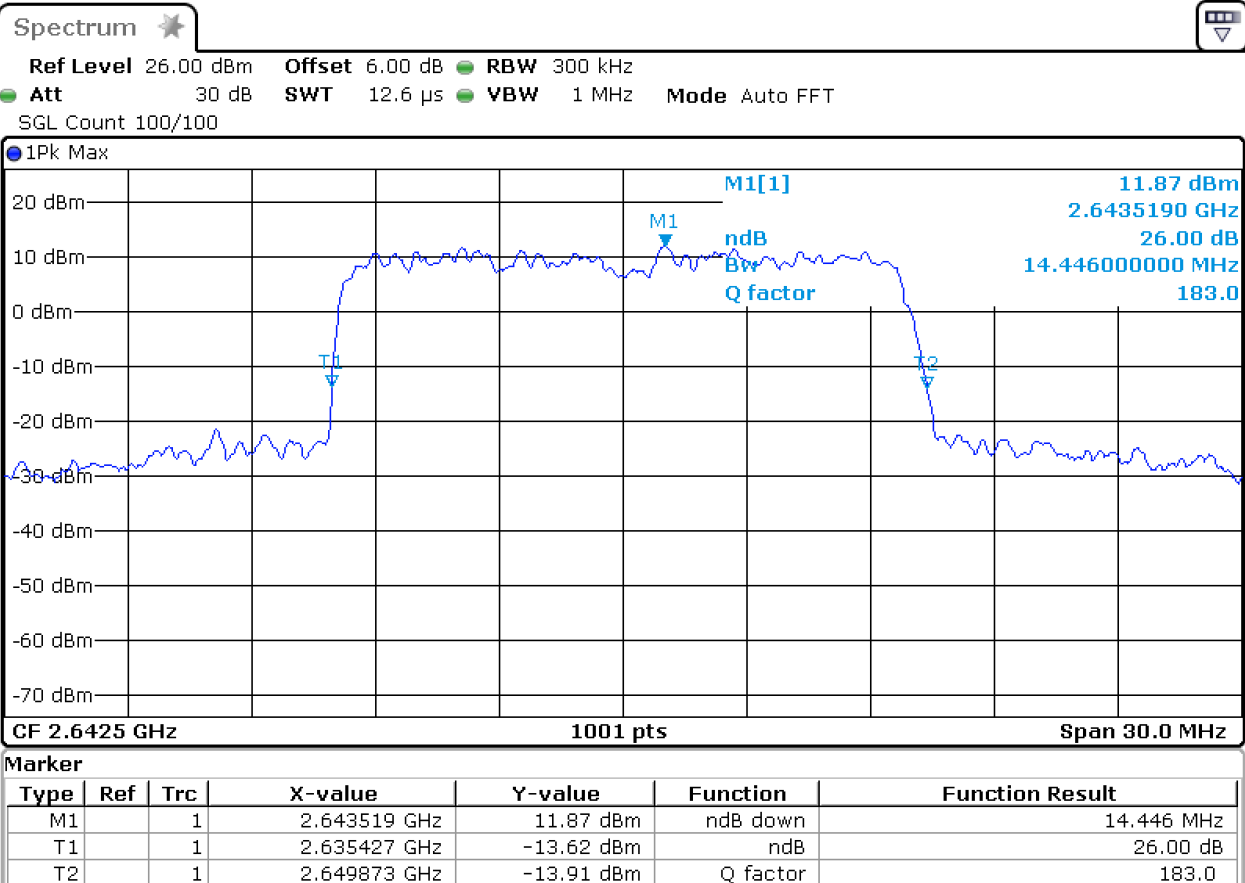
Date: 27.DEC.2021 19:53:34

Highest Channel / 15MHz / 16QAM



Date: 27.DEC.2021 19:54:17

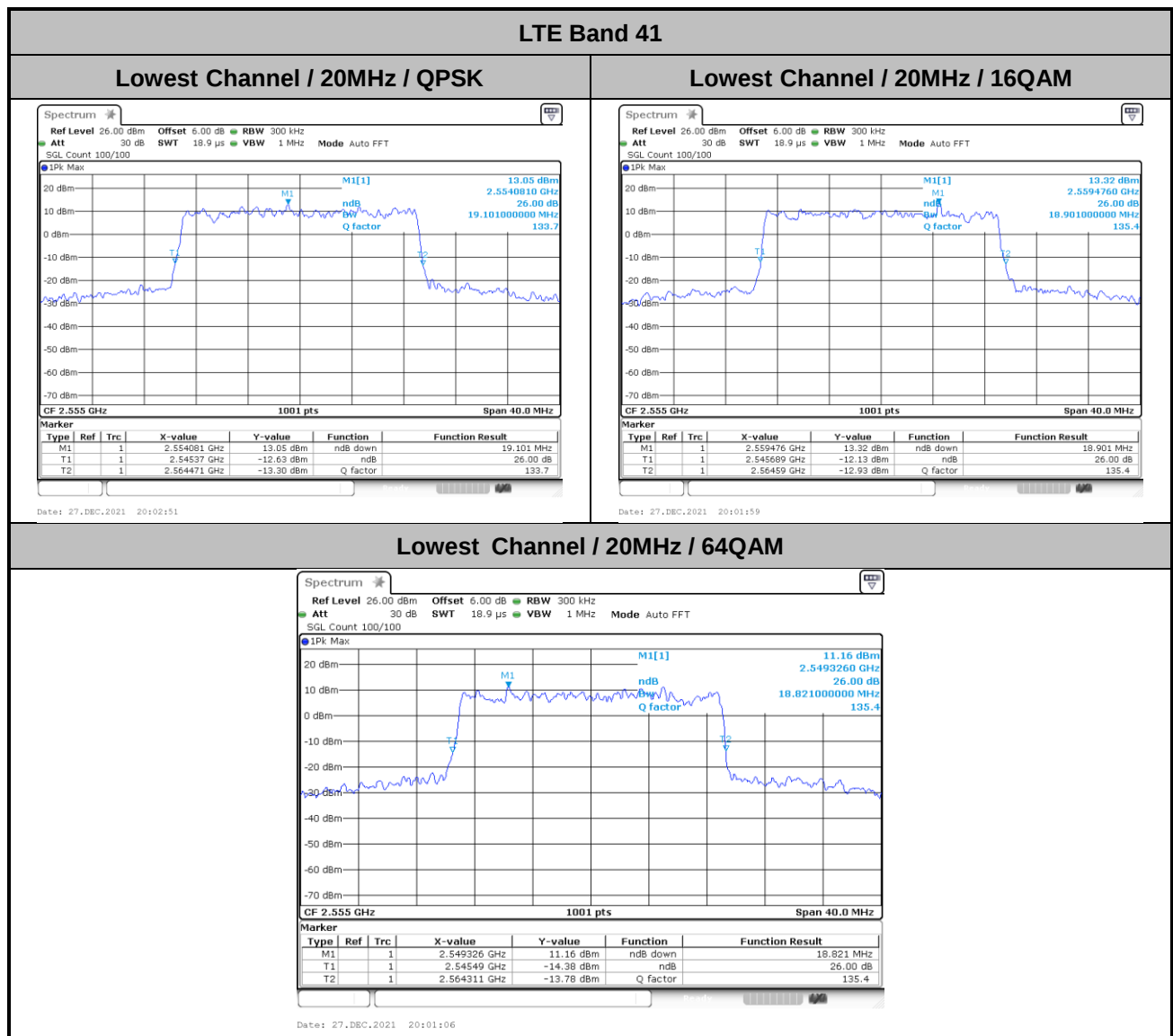
Highest Channel / 15MHz / 64QAM



Date: 27.DEC.2021 19:55:58



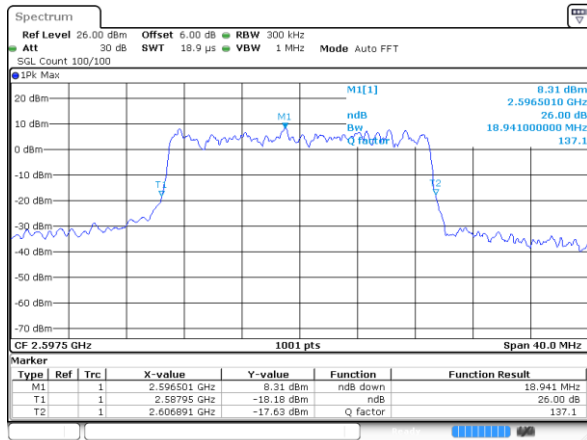
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	20 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	19.101	18.901	18.821
Middle CH	18.941	19.101	18.941
Highest CH	18.941	19.021	19.021



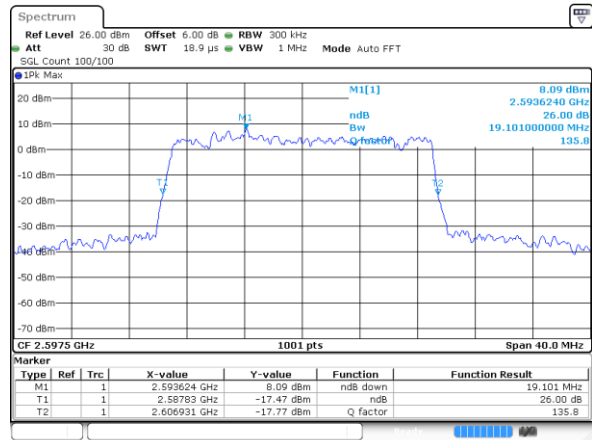


LTE Band 41

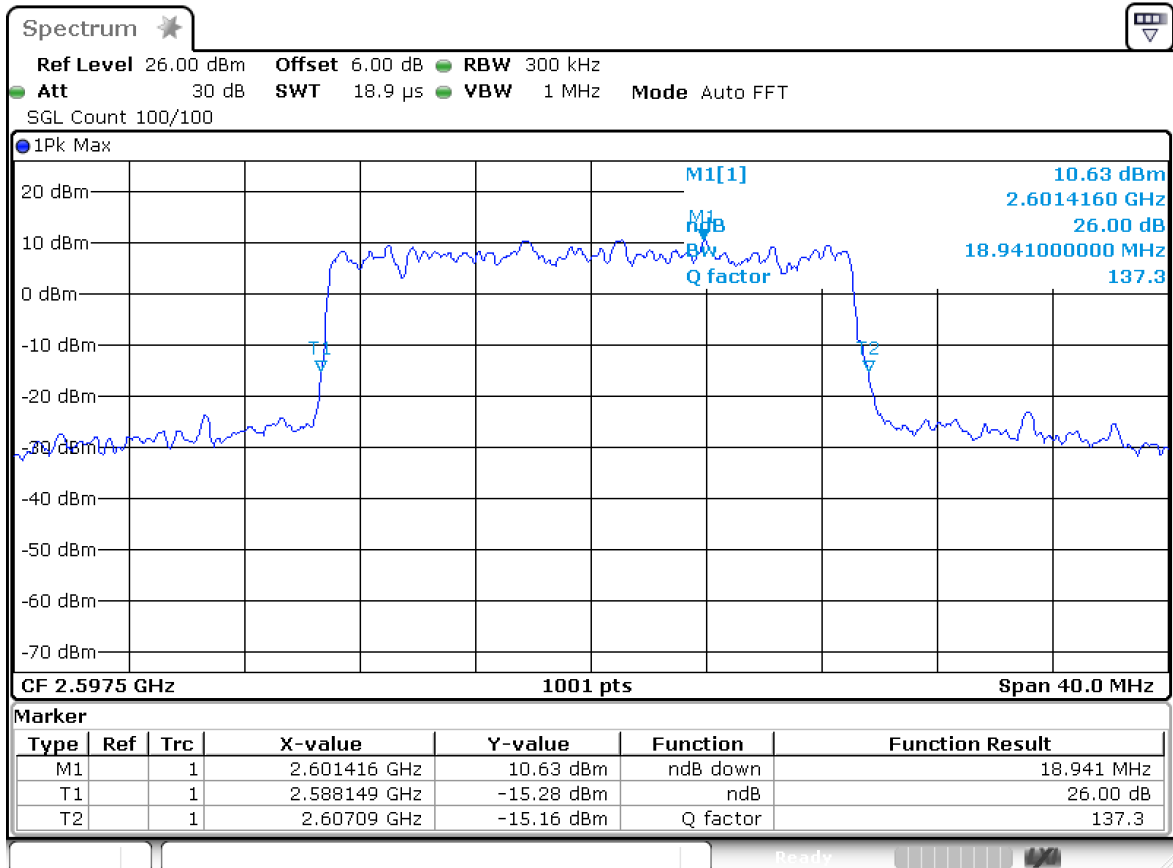
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



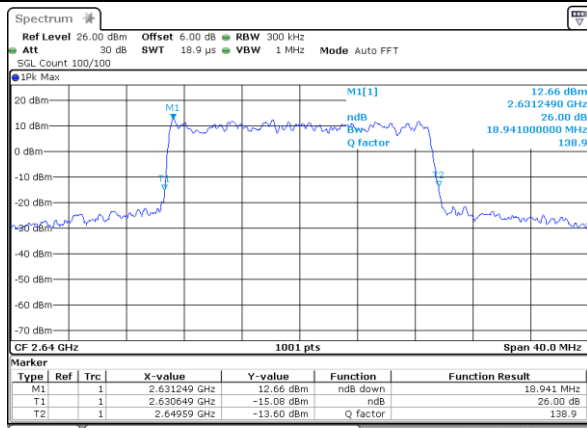
Middle Channel / 20MHz / 64QAM





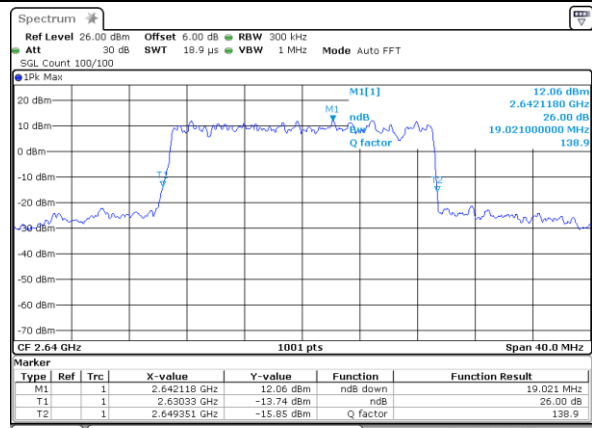
LTE Band 41

Highest Channel / 20MHz / QPSK



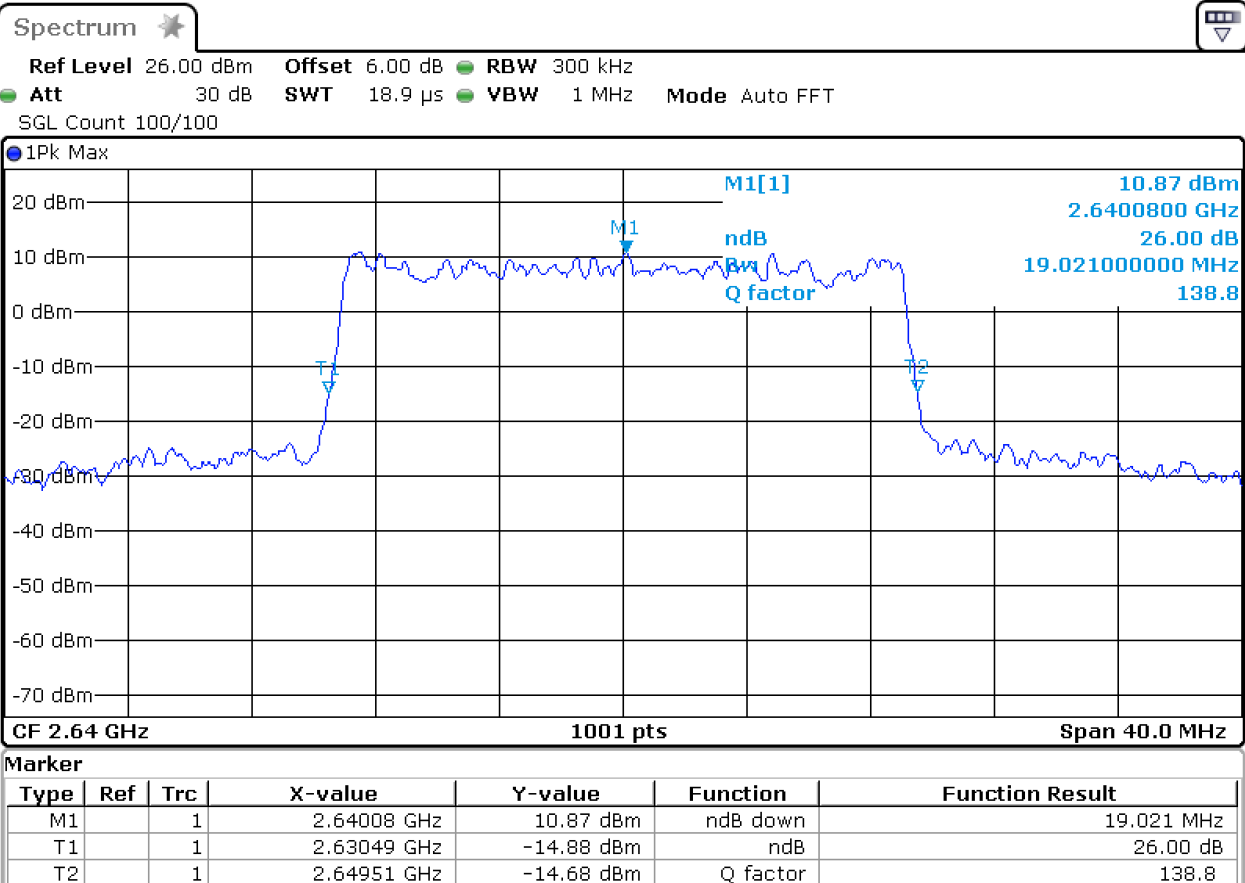
Date: 27.DEC.2021 20:11:14

Highest Channel / 20MHz / 16QAM



Date: 27.DEC.2021 20:12:23

Highest Channel / 20MHz / 64QAM

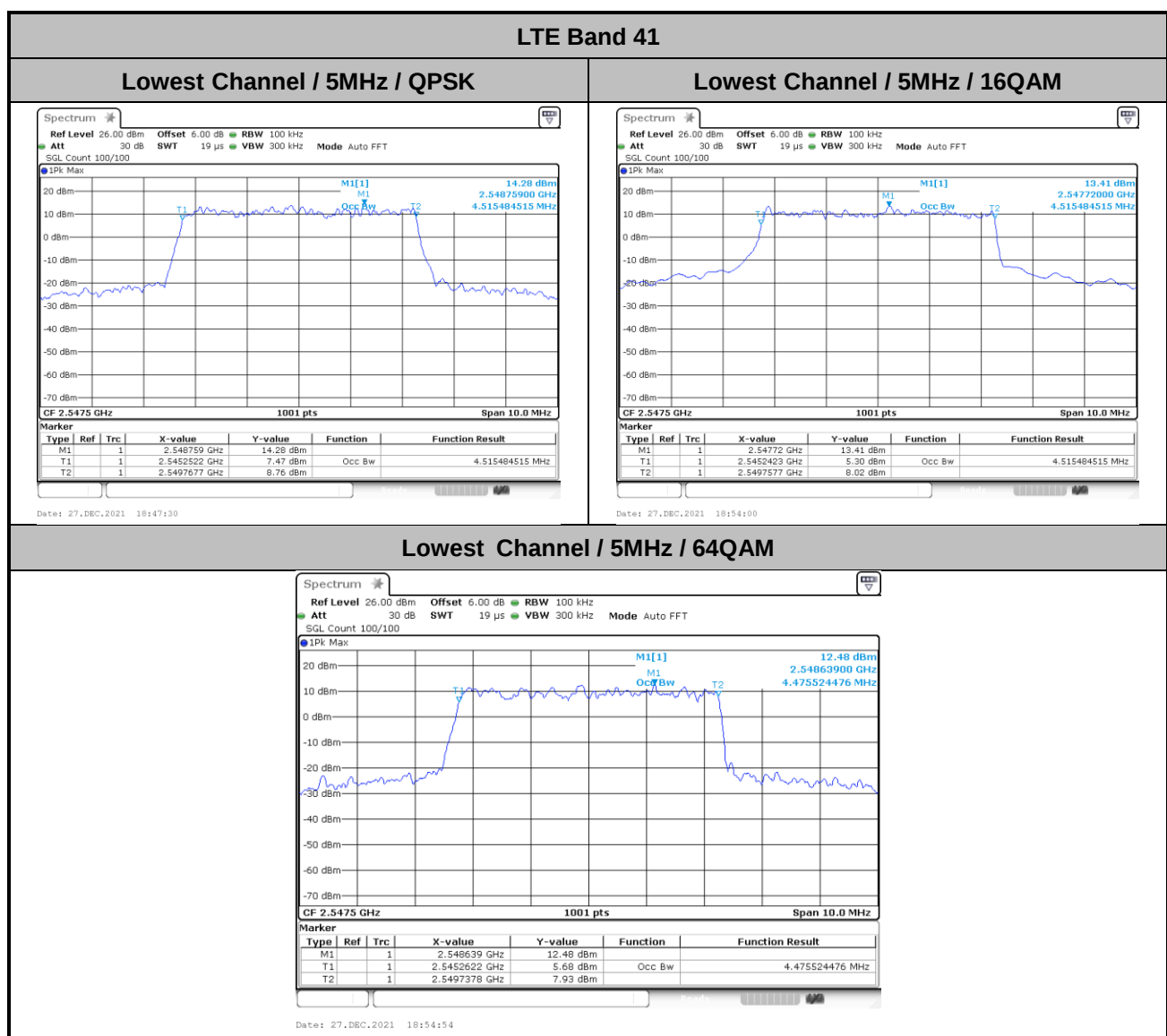


Date: 27.DEC.2021 20:13:41



Occupied Bandwidth

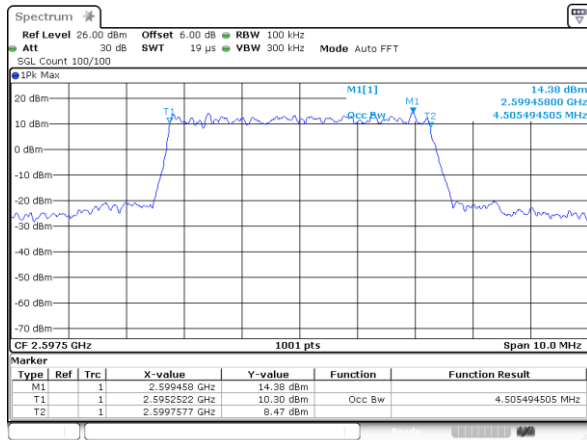
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	5 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.52	4.52	4.48
Middle CH	4.51	4.50	4.51
Highest CH	4.51	4.48	4.50





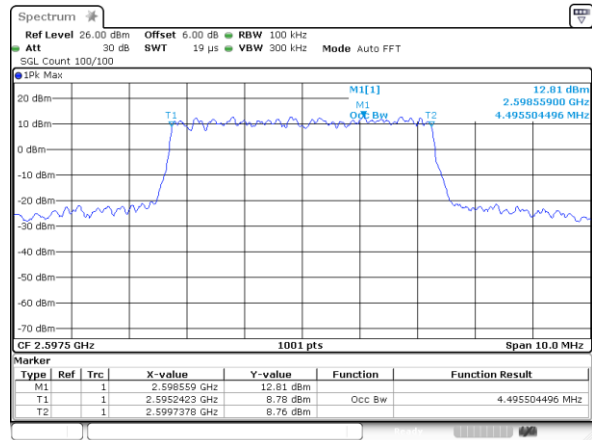
LTE Band 41

Middle Channel / 5MHz / QPSK



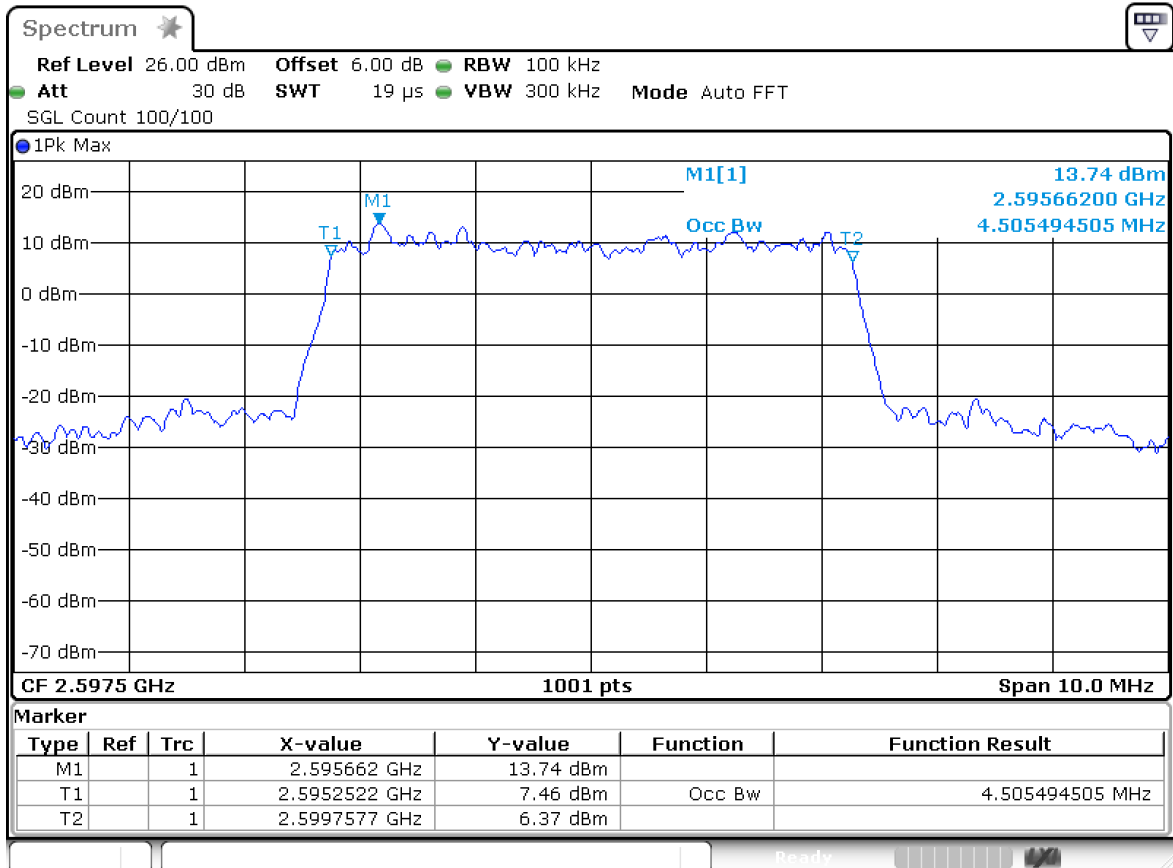
Date: 27.DEC.2021 18:59:15

Middle Channel / 5MHz / 16QAM



Date: 27.DEC.2021 18:57:44

Middle Channel / 5MHz / 64QAM

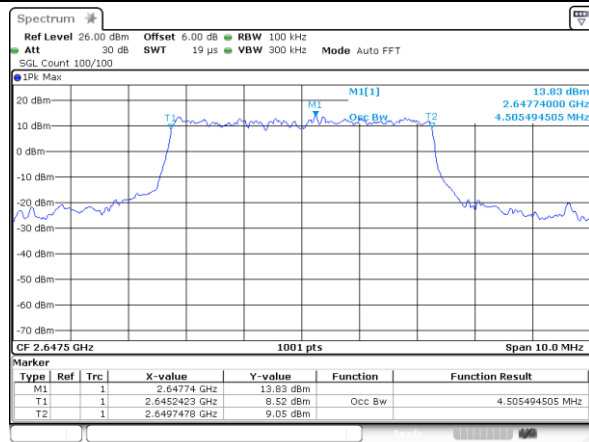


Date: 27.DEC.2021 18:56:46



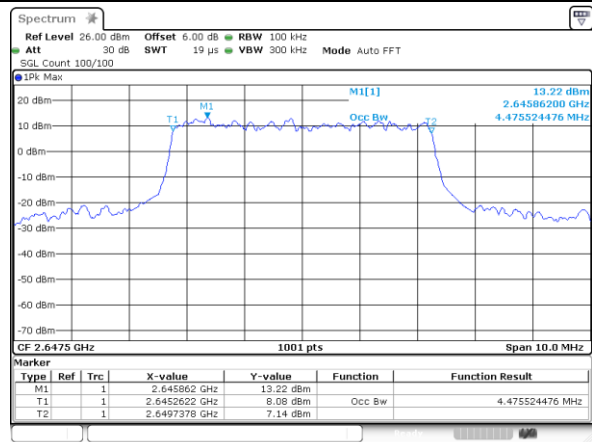
LTE Band 41

Highest Channel / 5MHz / QPSK



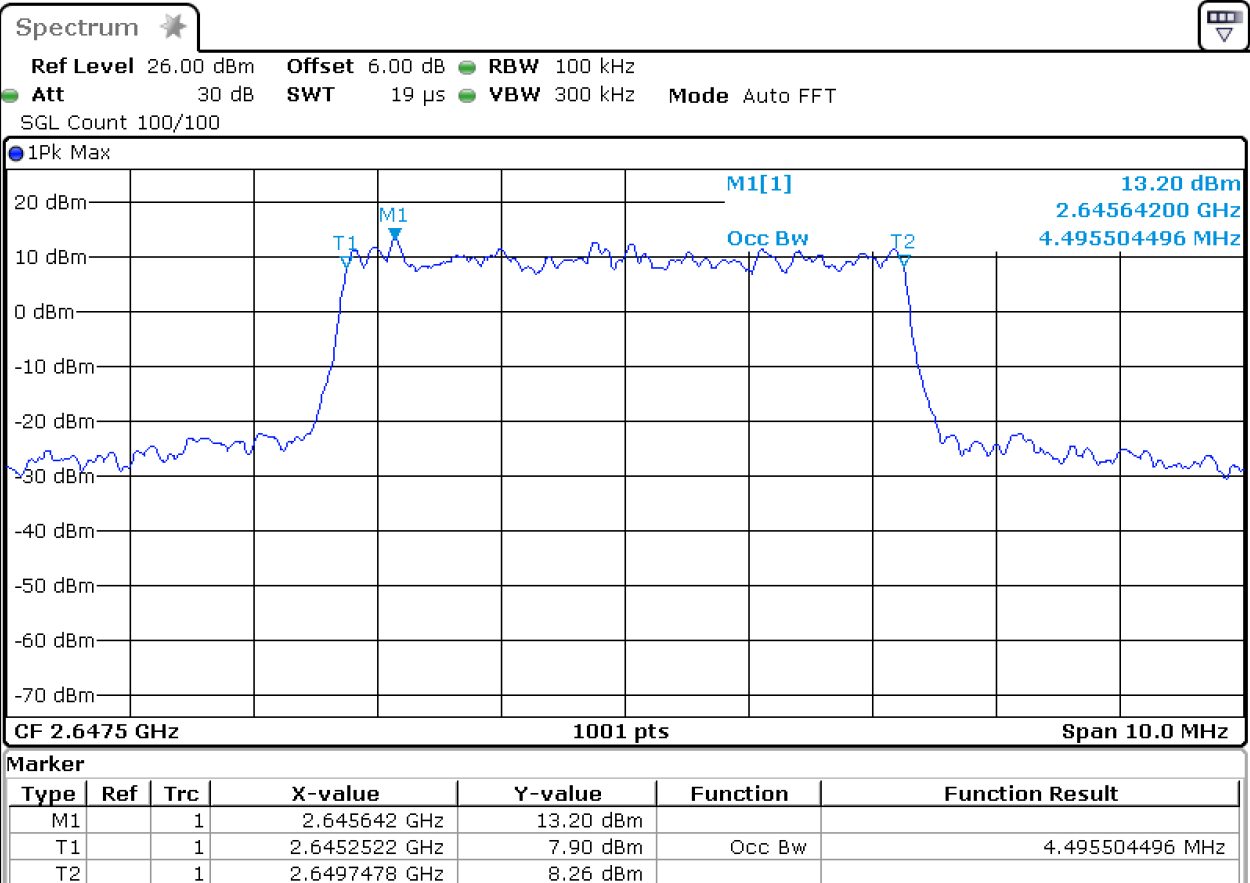
Date: 27.DEC.2021 19:13:47

Highest Channel / 5MHz / 16QAM



Date: 27.DEC.2021 19:15:00

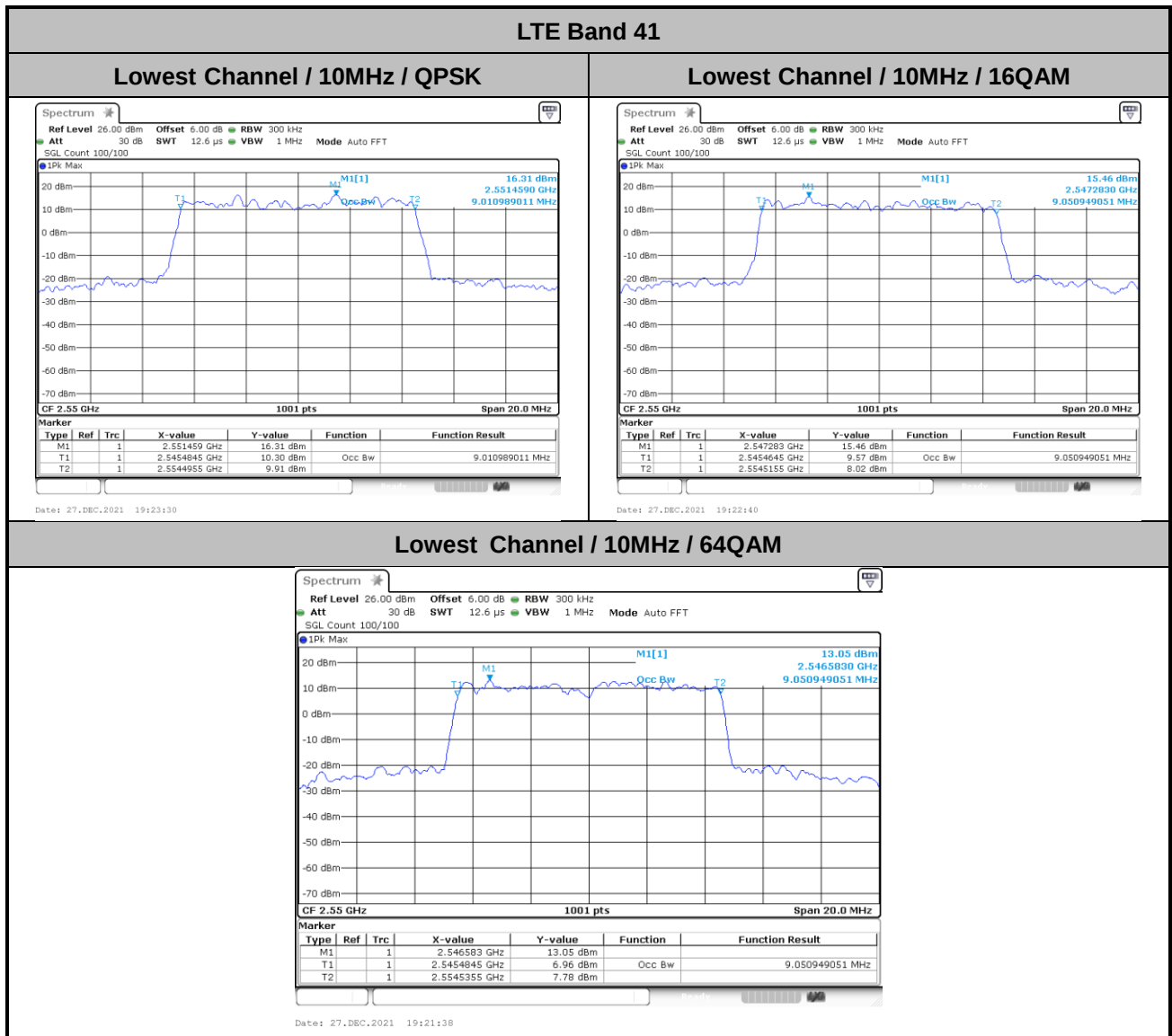
Highest Channel / 5MHz / 64QAM



Date: 27.DEC.2021 19:16:23



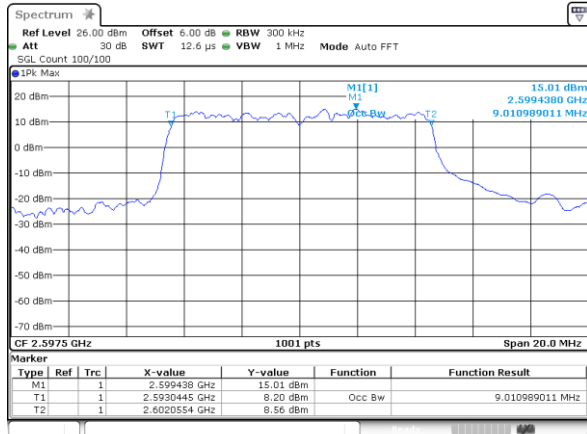
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	10 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	9.01	9.05	9.05
Middle CH	9.01	8.95	9.03
Highest CH	9.05	9.05	9.07





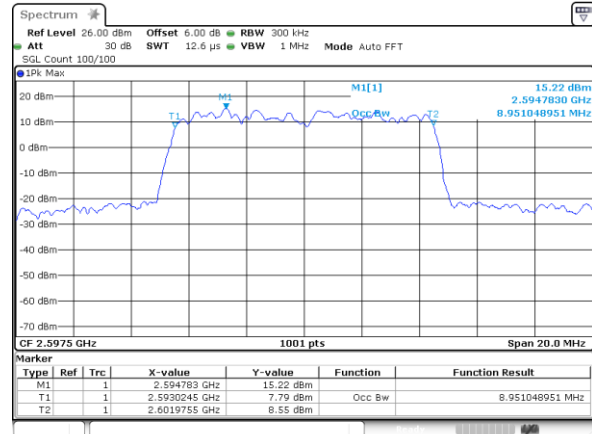
LTE Band 41

Middle Channel / 10MHz / QPSK



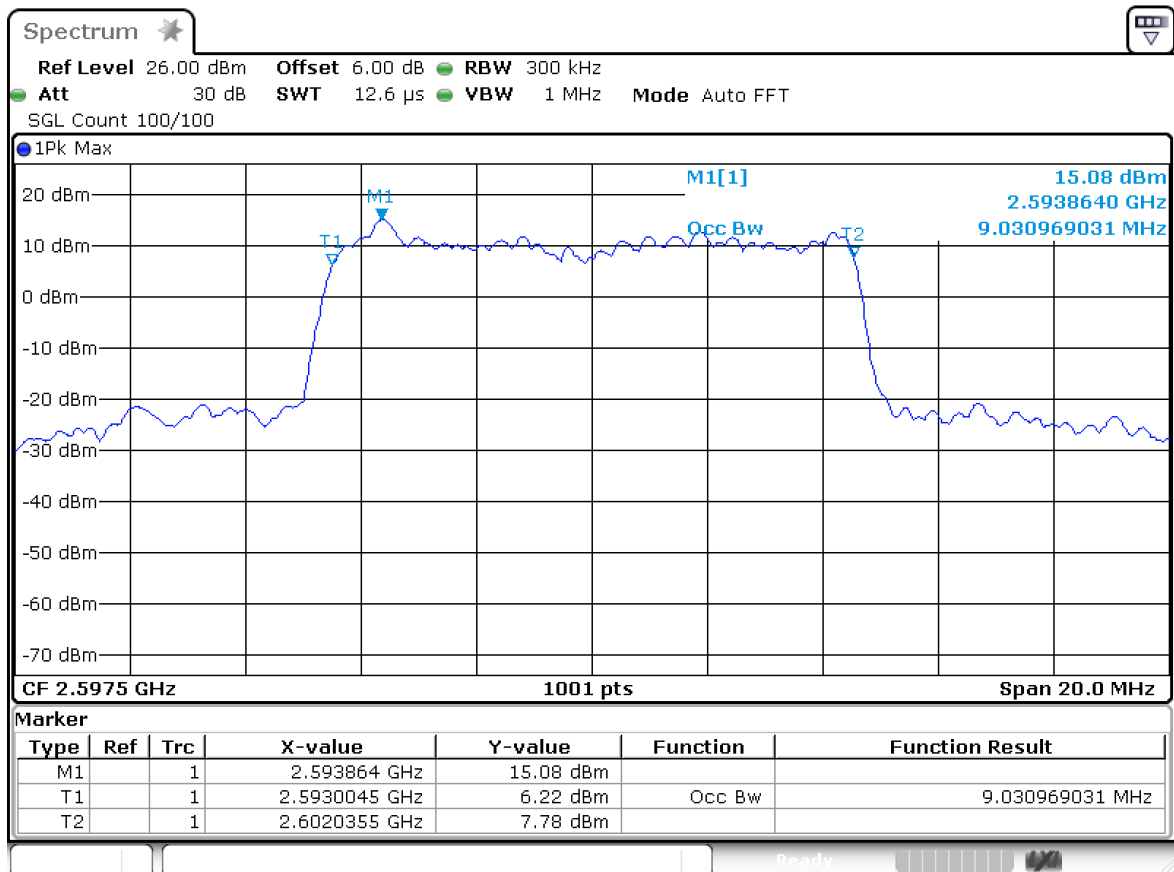
Date: 27.DEC.2021 19:33:27

Middle Channel / 10MHz / 16QAM



Date: 27.DEC.2021 19:34:47

Middle Channel / 10MHz / 64QAM

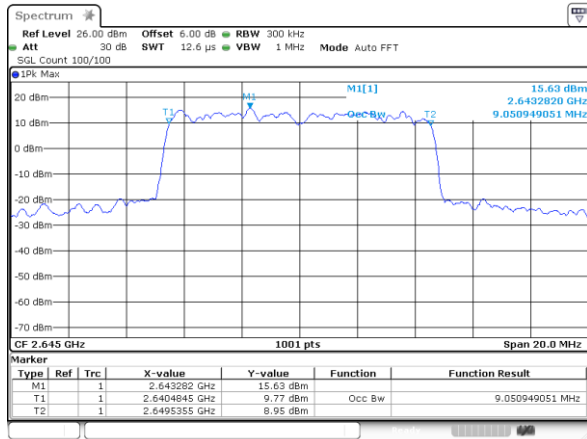


Date: 27.DEC.2021 19:35:33

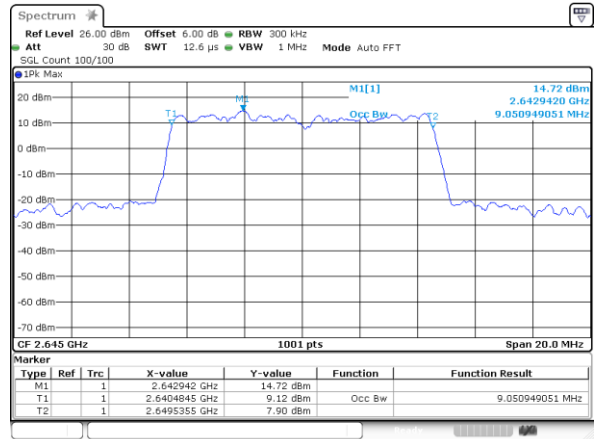


LTE Band 41

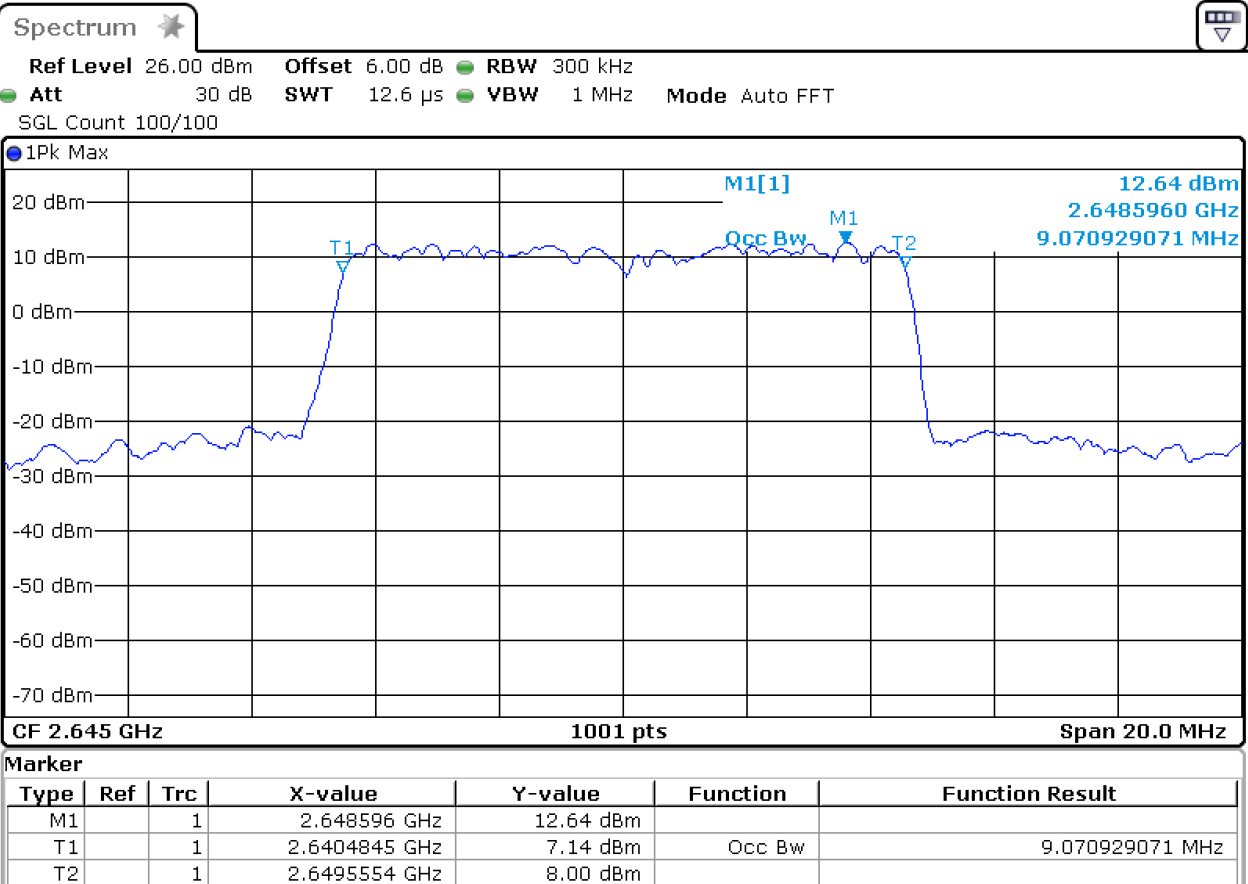
Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



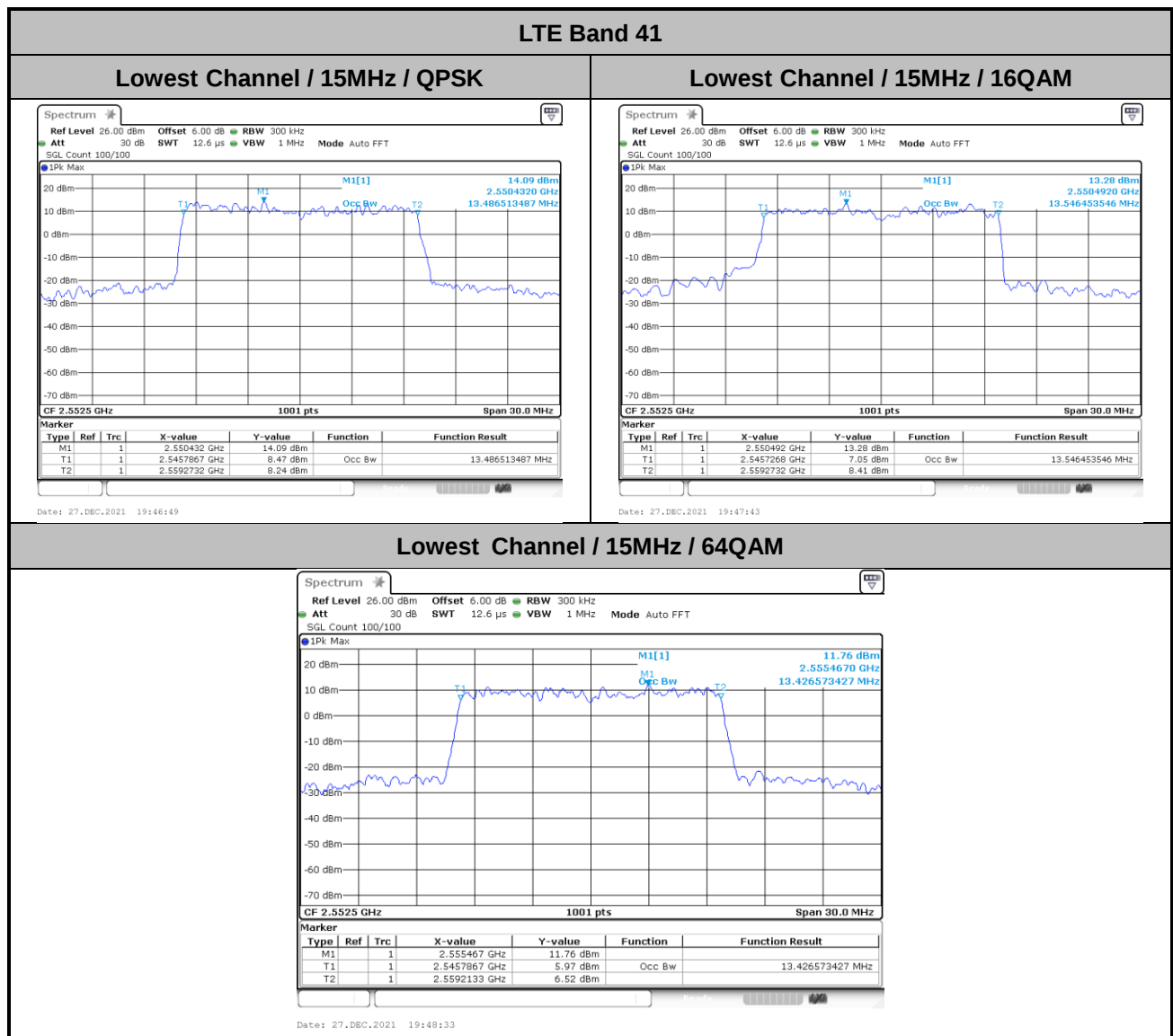
Highest Channel / 10MHz / 64QAM



Date: 27.DEC.2021 19:36:47



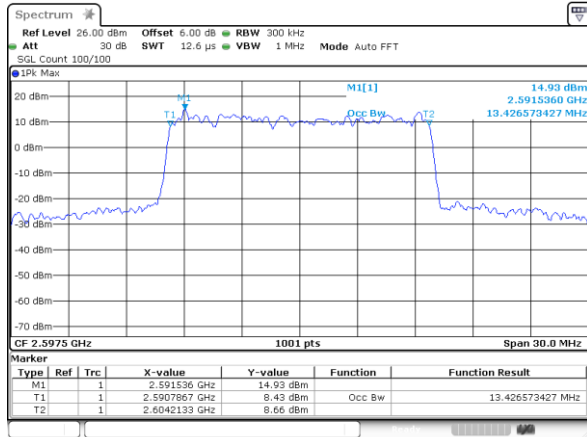
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	15 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	13.49	13.55	13.43
Middle CH	13.43	13.43	13.43
Highest CH	13.40	13.49	13.46





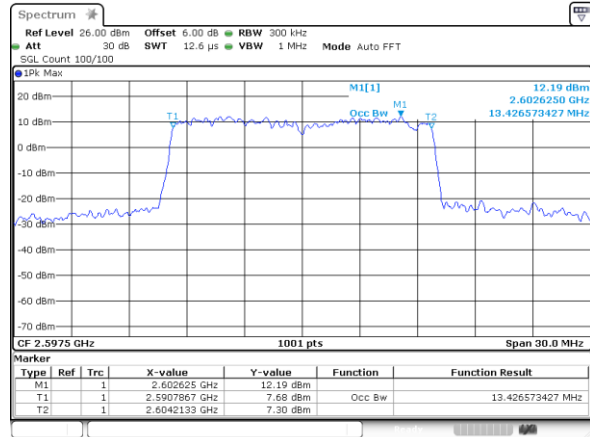
LTE Band 41

Middle Channel / 15MHz / QPSK



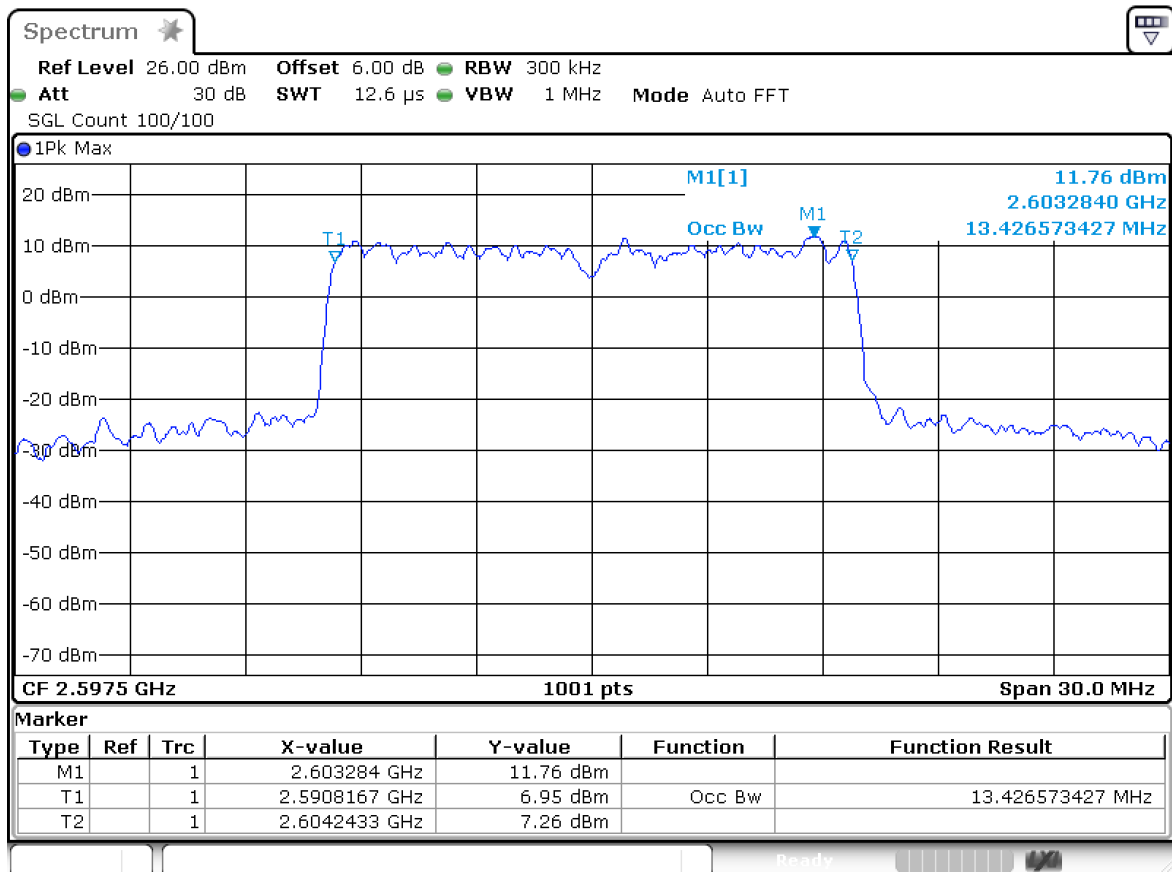
Date: 27.DEC.2021 19:52:07

Middle Channel / 15MHz / 16QAM



Date: 27.DEC.2021 19:51:16

Middle Channel / 15MHz / 64QAM

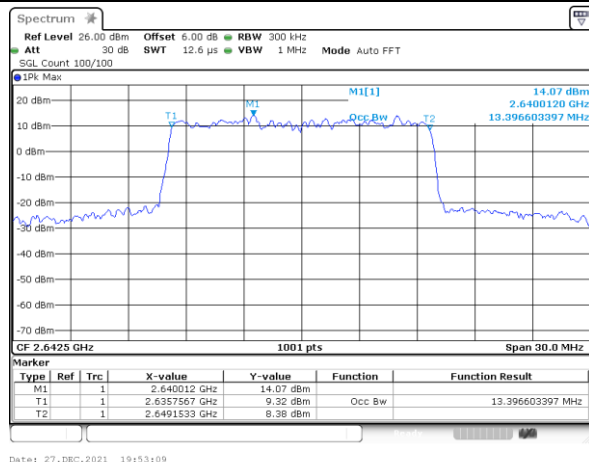


Date: 27.DEC.2021 19:50:19

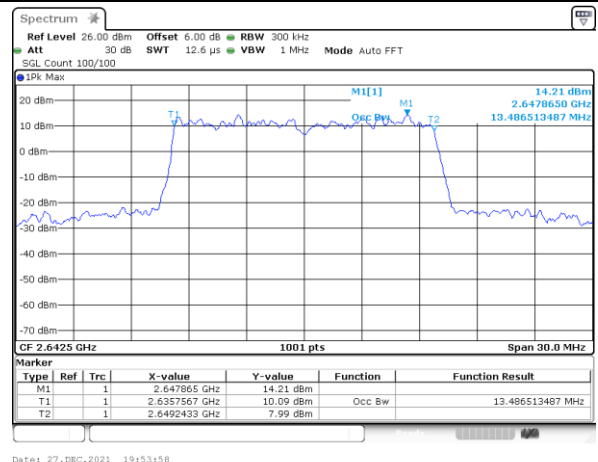


LTE Band 41

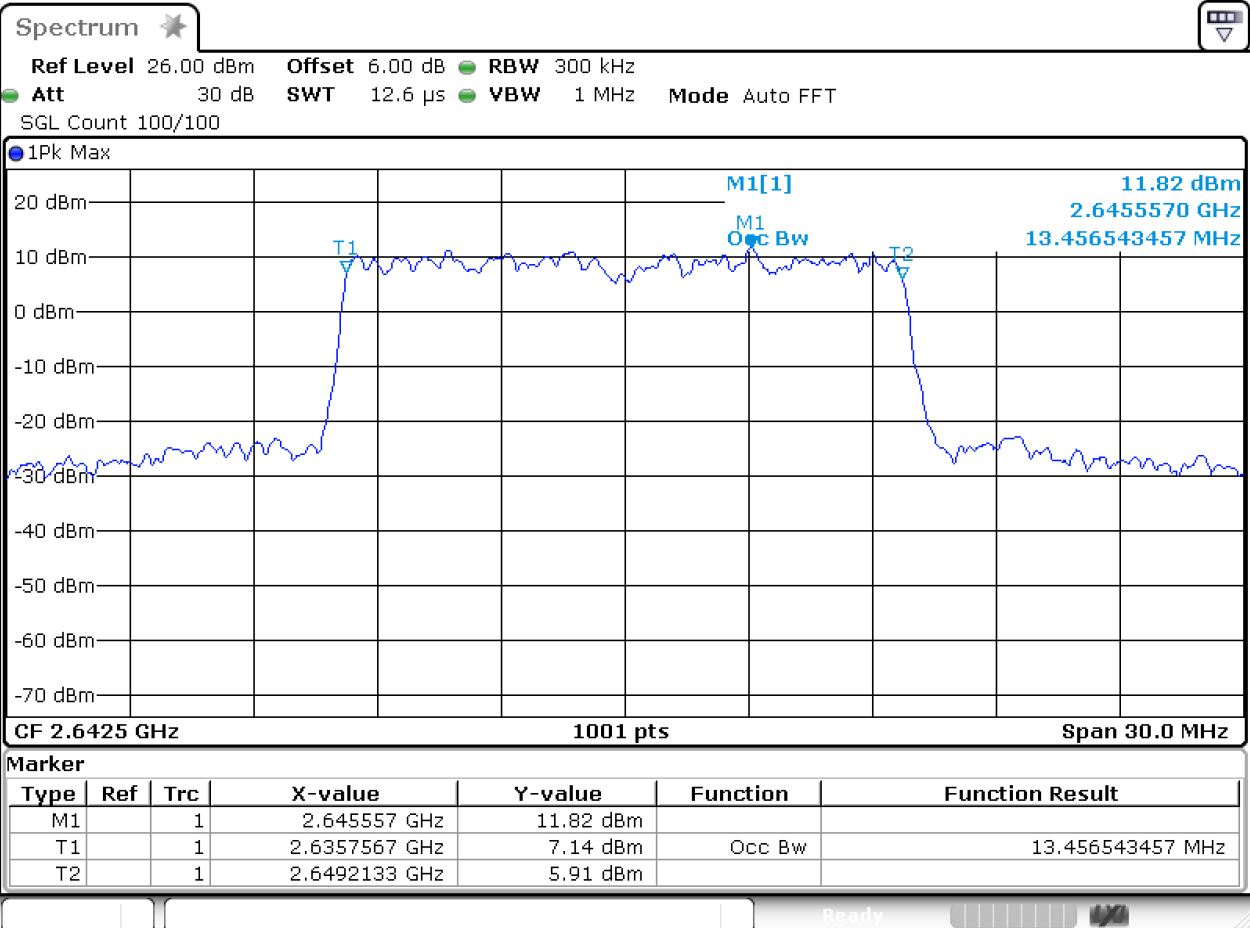
Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM



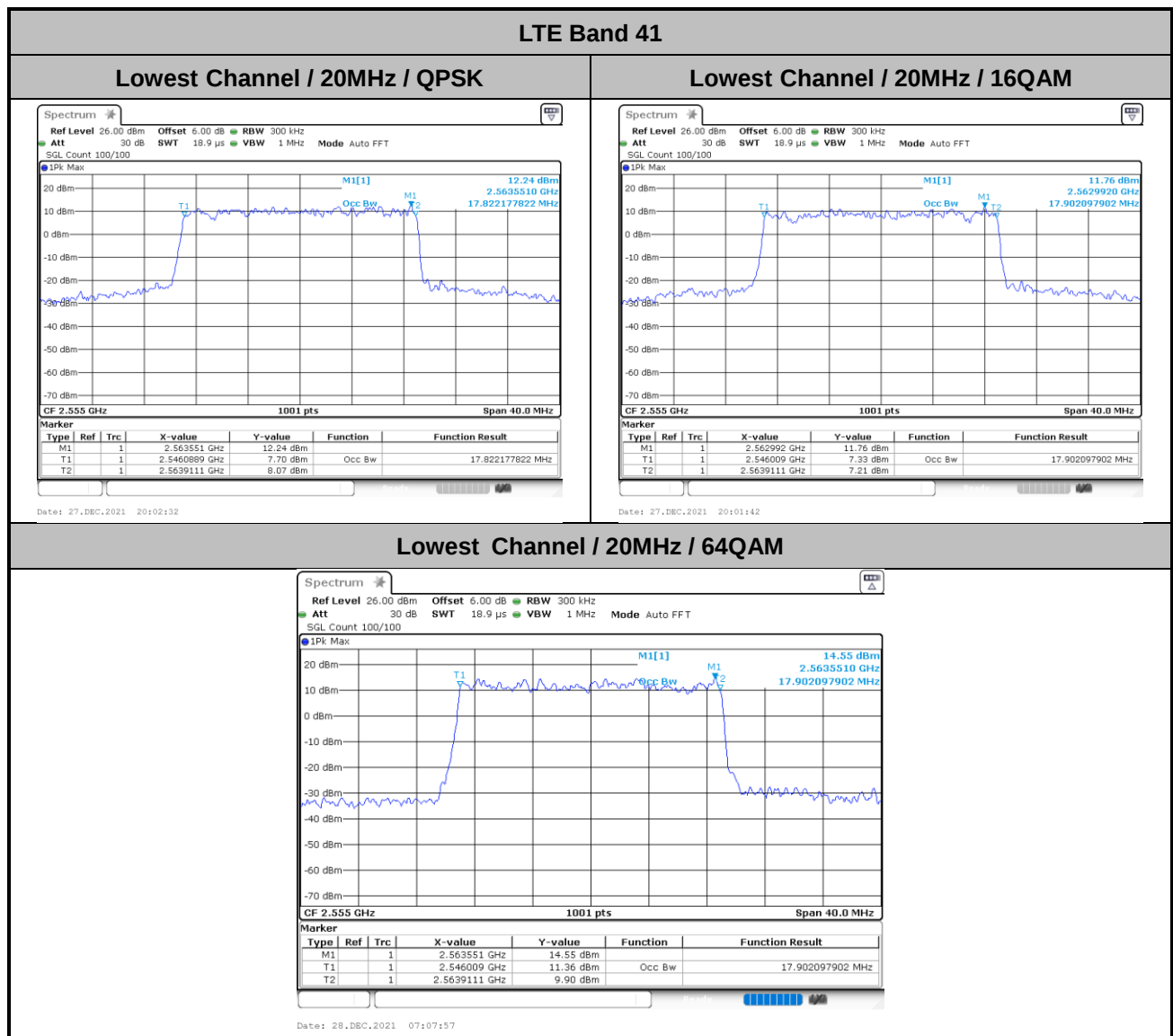
Highest Channel / 15MHz / 64QAM



Date: 27.DEC.2021 19:55:14



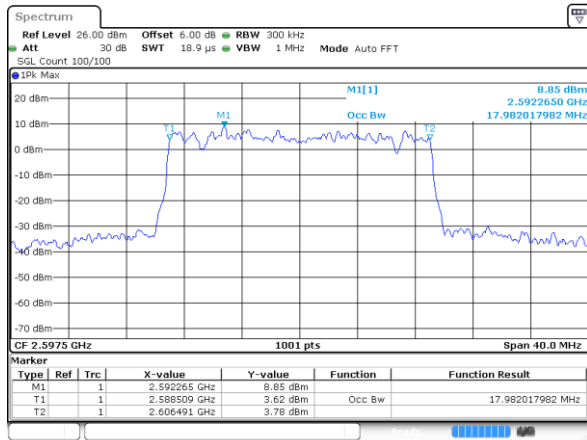
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	20 MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	17.82	17.90	17.90
Middle CH	17.98	17.94	17.98
Highest CH	17.90	17.86	17.86



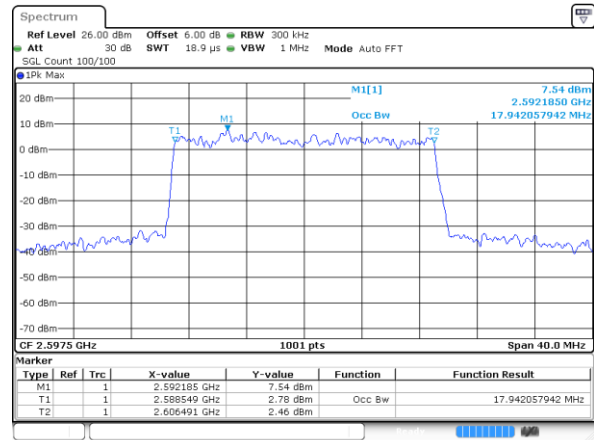


LTE Band 41

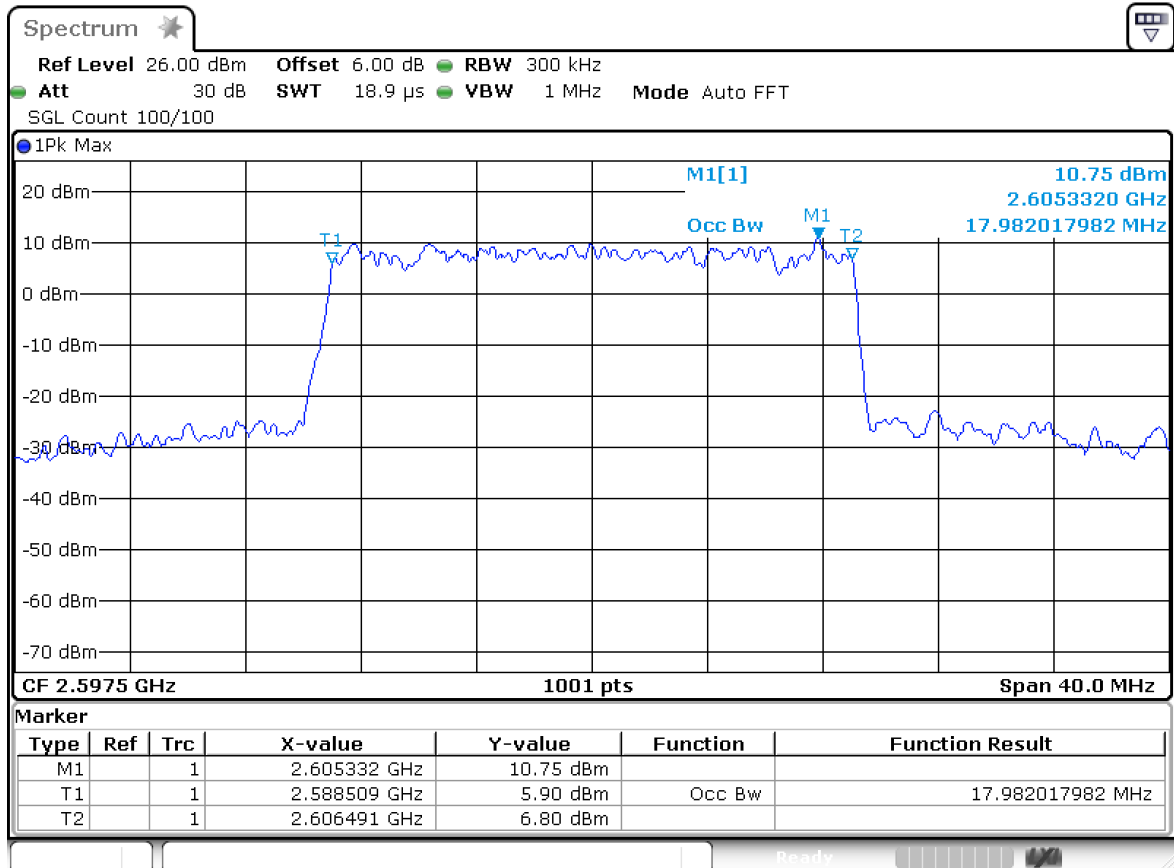
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



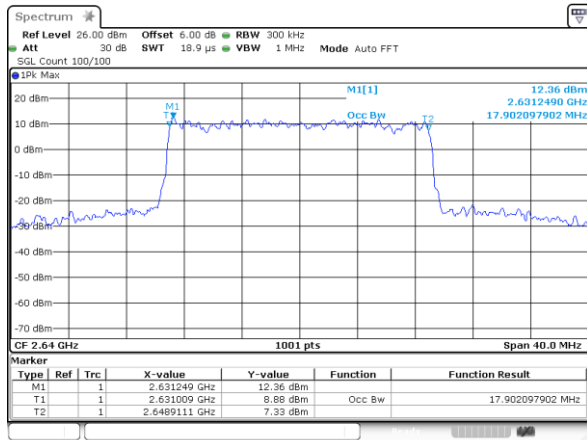
Middle Channel / 20MHz / 64QAM





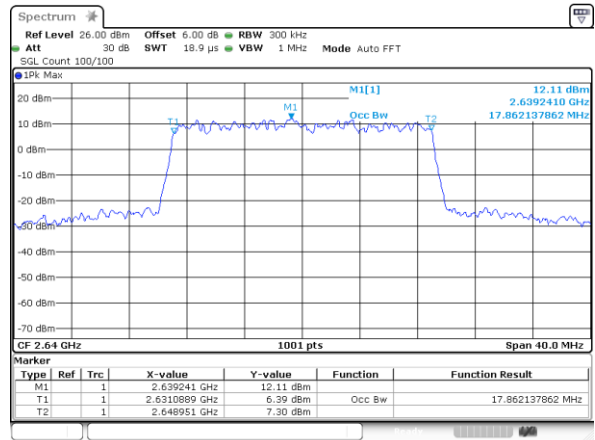
LTE Band 41

Highest Channel / 20MHz / QPSK



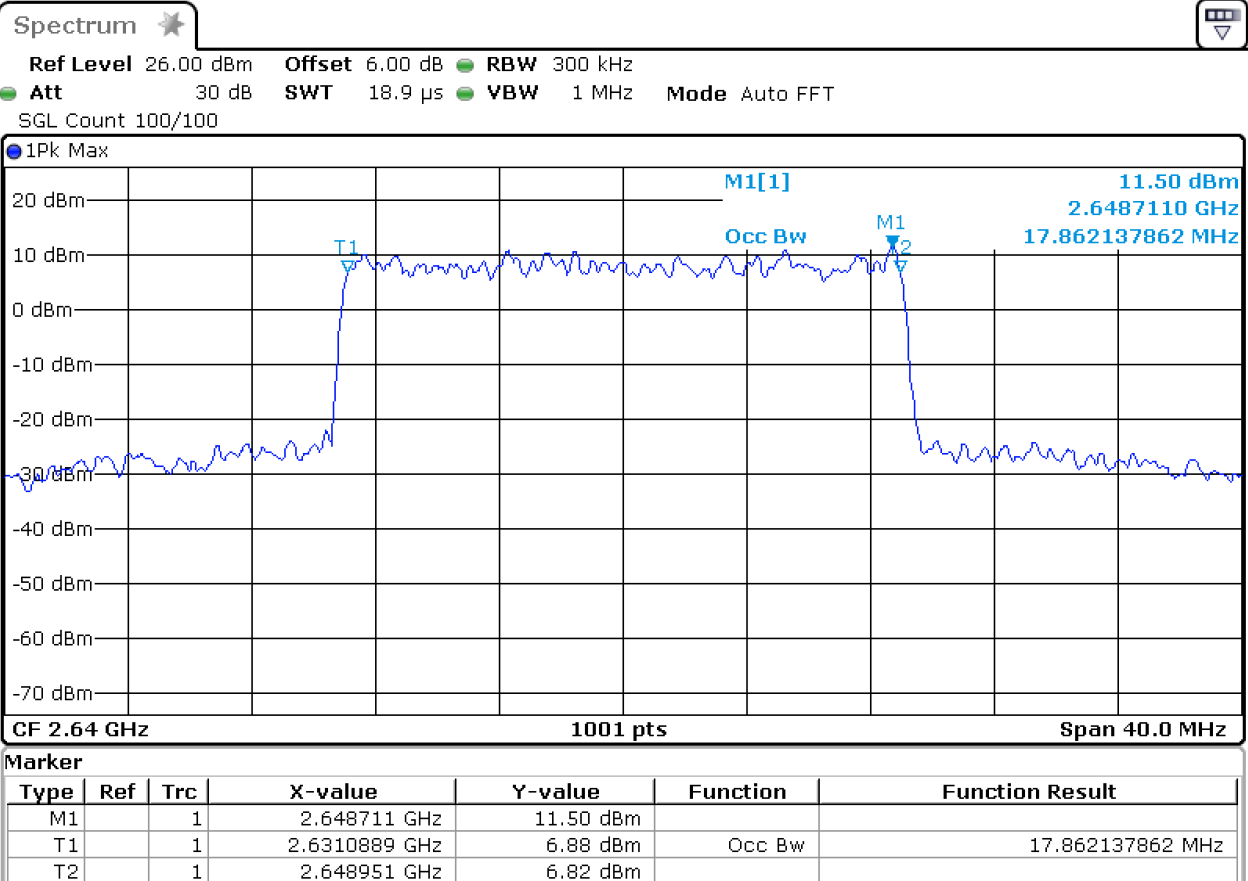
Date: 27.DEC.2021 20:10:42

Highest Channel / 20MHz / 16QAM

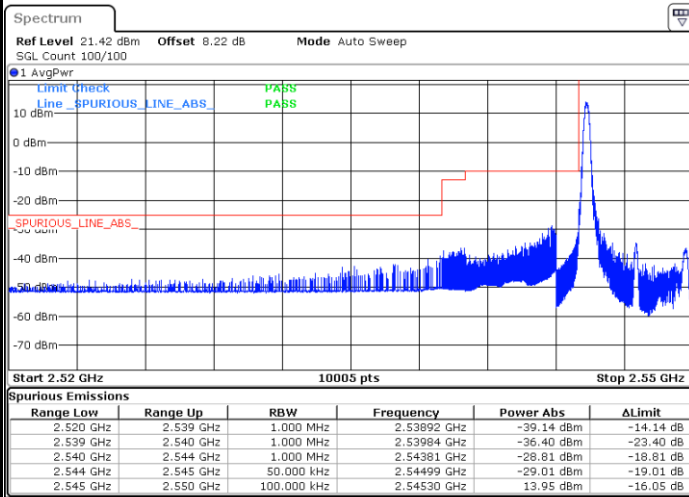
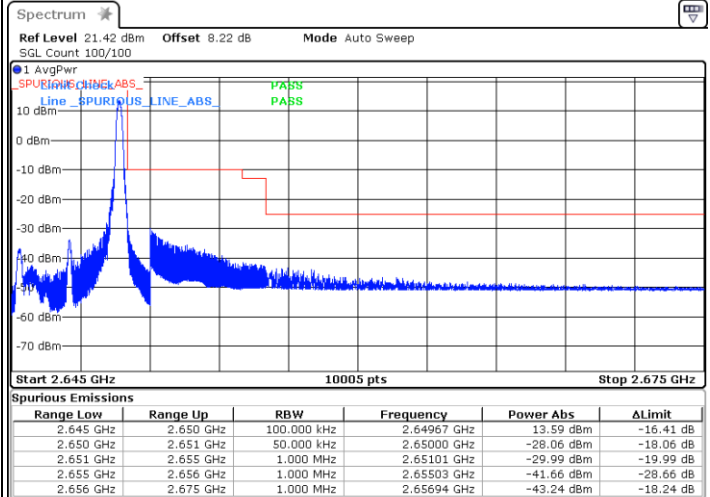
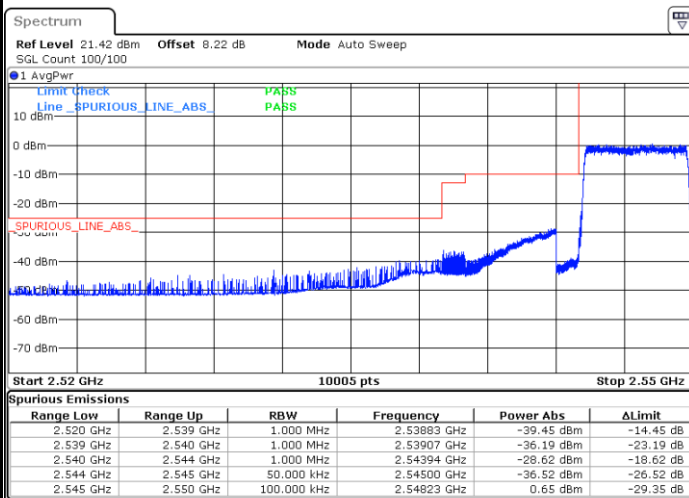
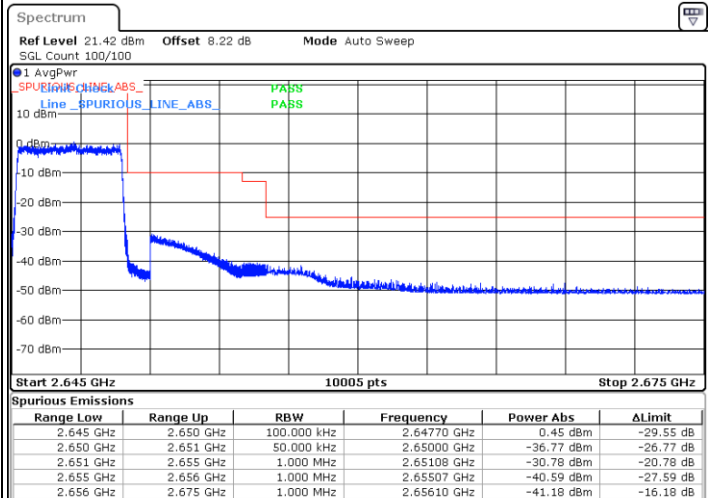


Date: 27.DEC.2021 20:11:49

Highest Channel / 20MHz / 64QAM



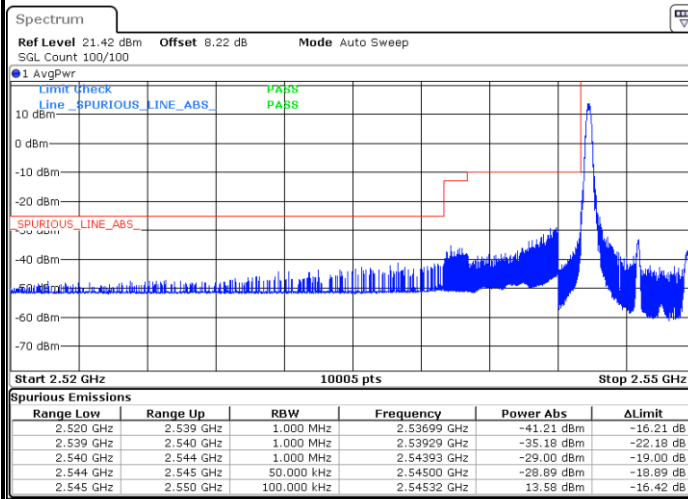
Date: 27.DEC.2021 20:13:23

**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

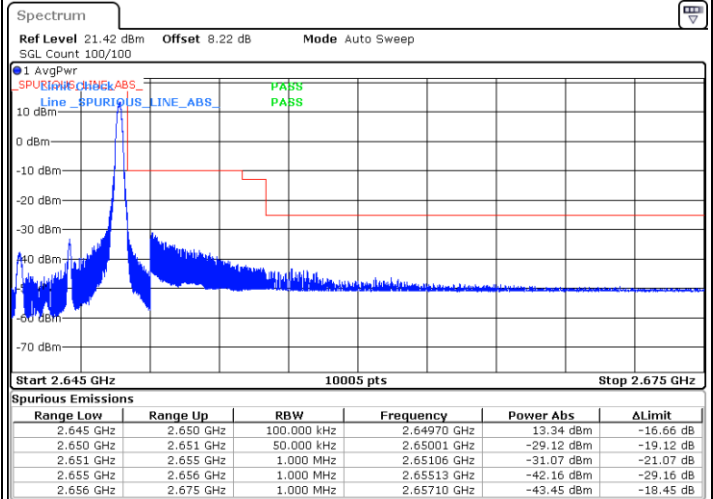


LTE Band 41 / 5MHz / 16QAM

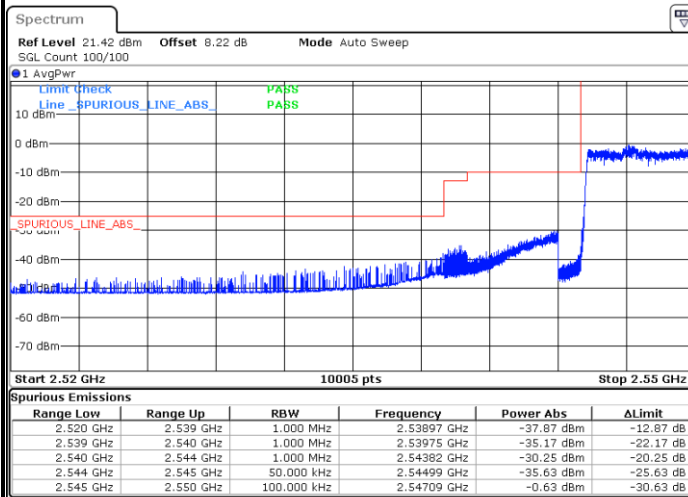
Lowest Band Edge / 1RB



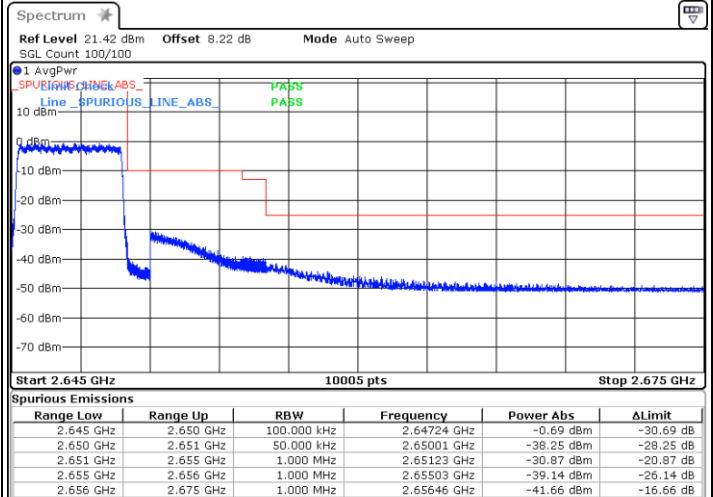
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



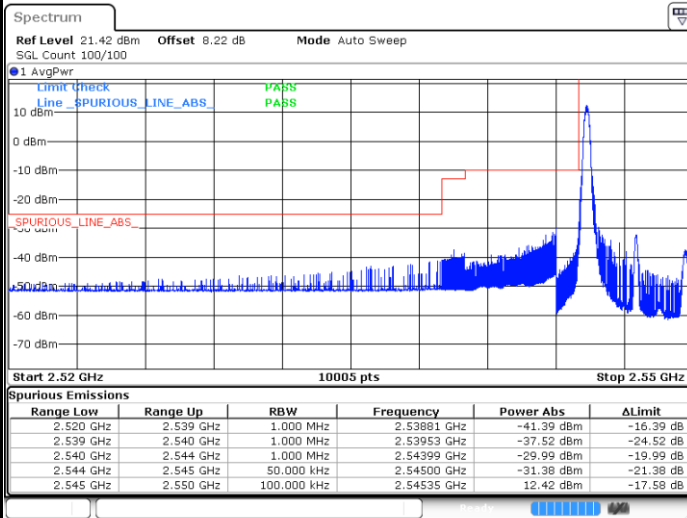
Highest Band Edge / Full RB



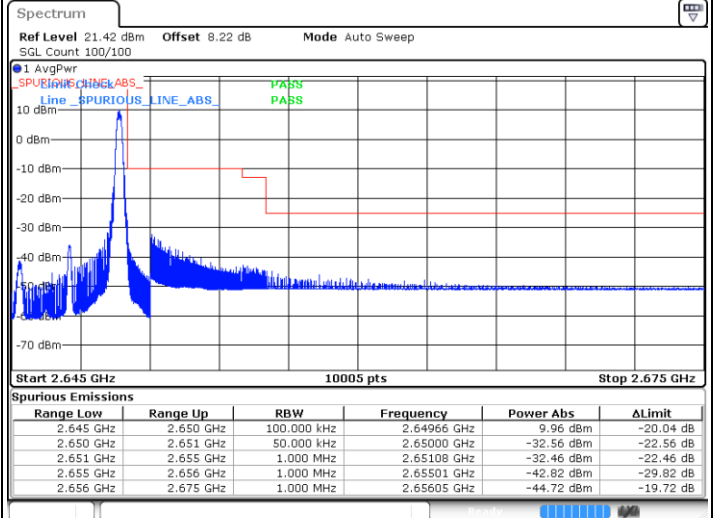


LTE Band 41 / 5MHz / 64QAM

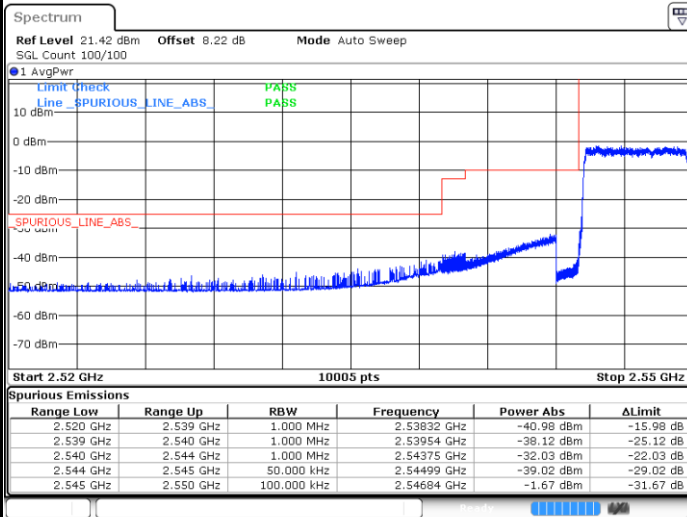
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

