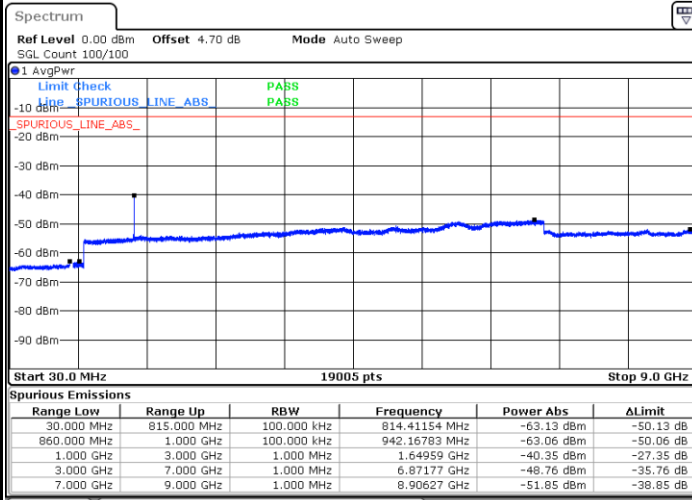


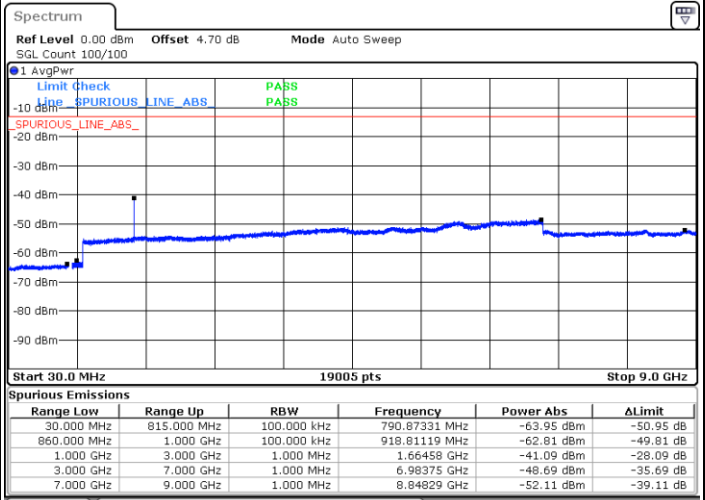


LTE Band 5 / 10MHz

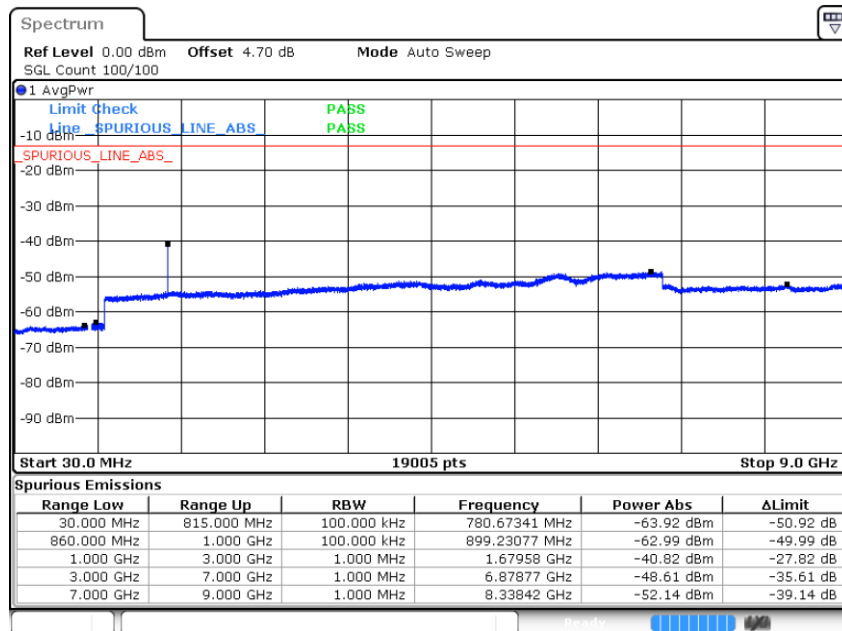
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0016	

Note: Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V



LTE Band 41

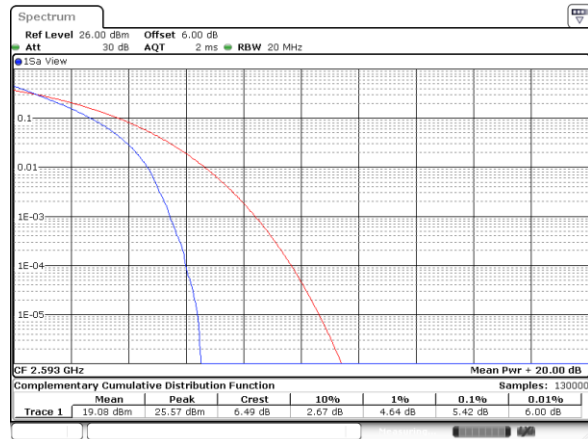
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.42	6.41	7.04	PASS

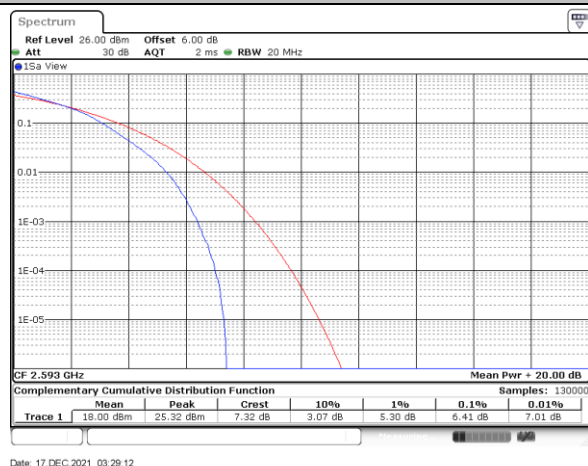


LTE Band 41 / 20MHz

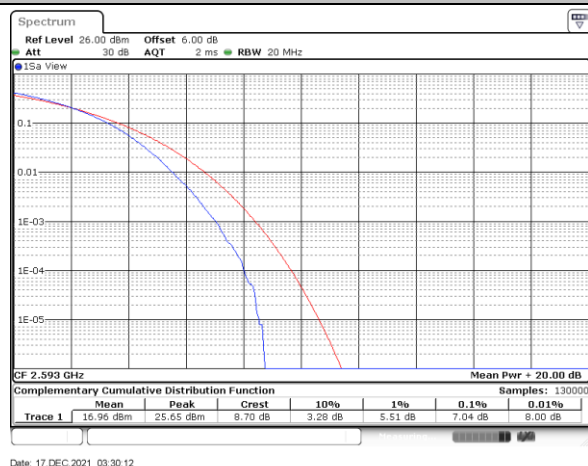
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM

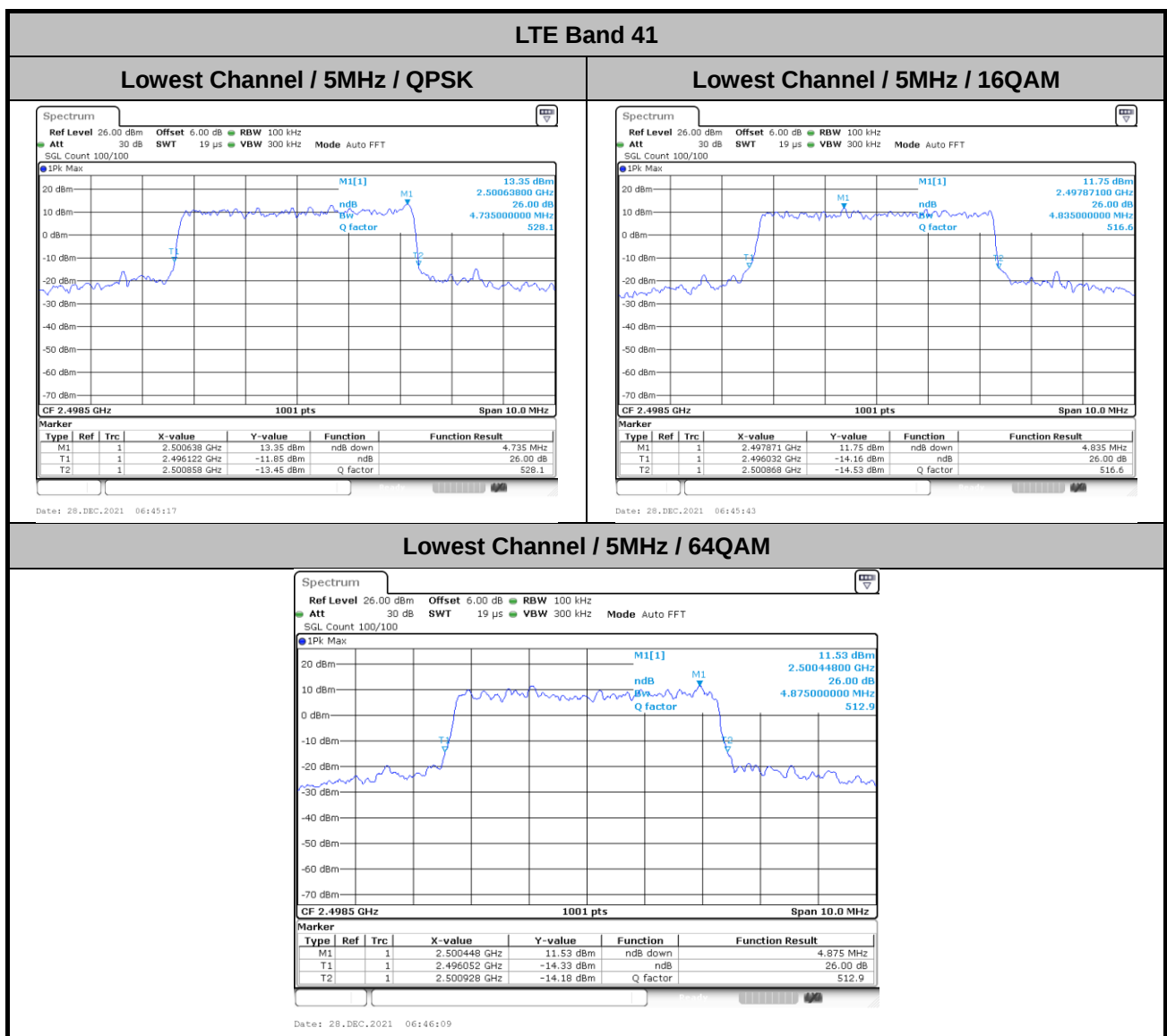


Middle Channel / Full RB / 64QAM



26dB Bandwidth

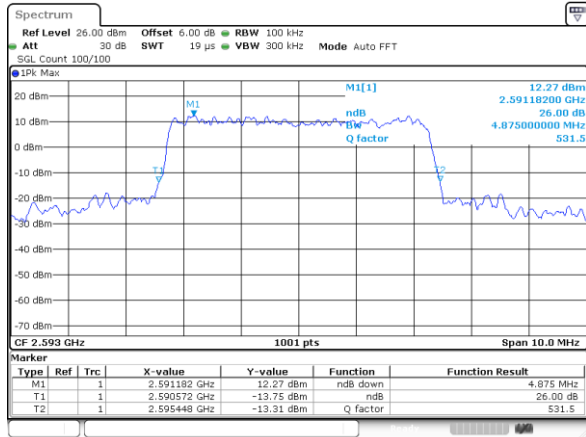
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.74	4.84	4.88
Middle CH	4.88	4.82	4.93
Highest CH	4.95	4.90	4.87



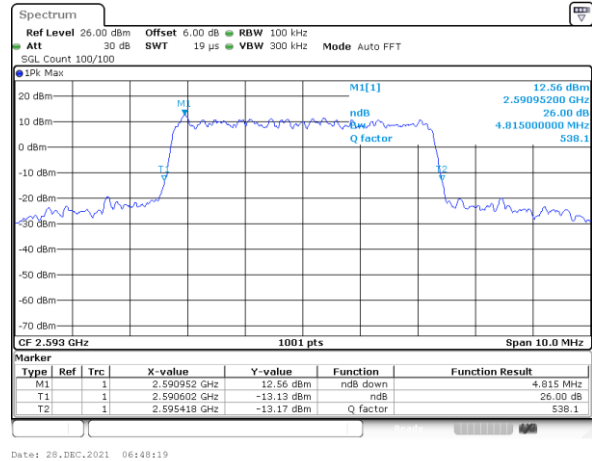


LTE Band 41

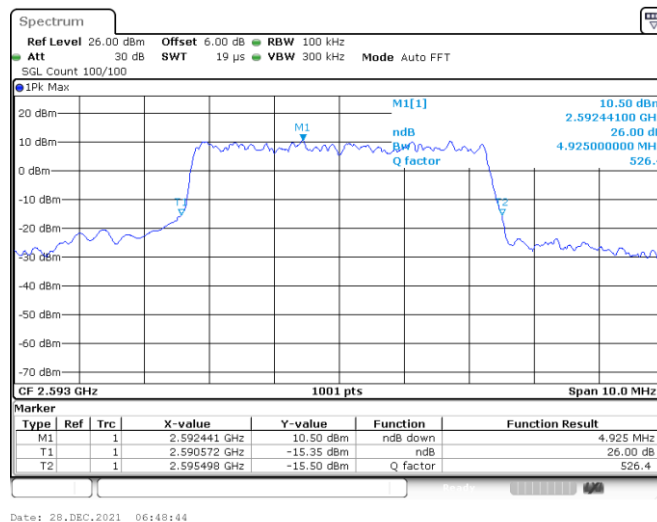
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



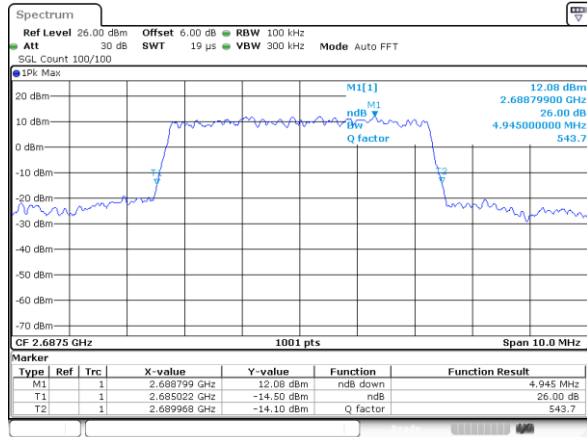
Middle Channel / 5MHz / 64QAM





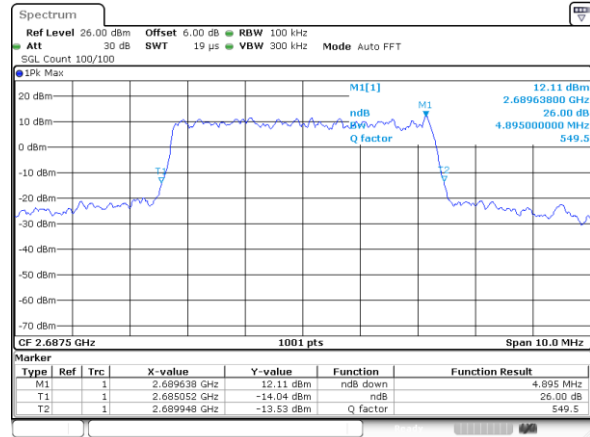
LTE Band 41

Highest Channel / 5MHz / QPSK



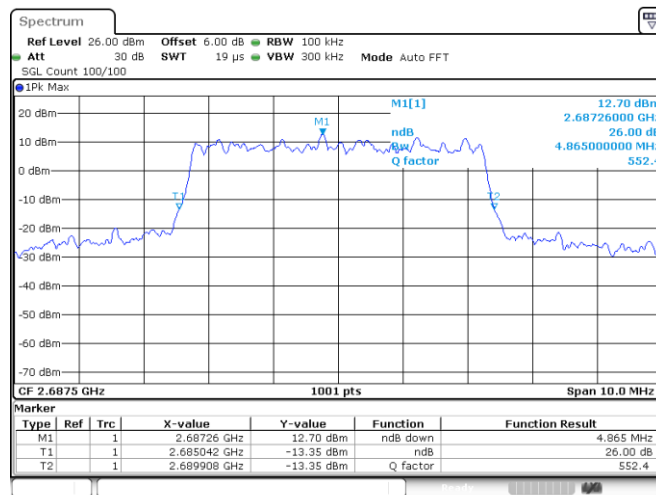
Date: 28.DEC.2021 06:50:27

Highest Channel / 5MHz / 16QAM



Date: 28.DEC.2021 06:50:53

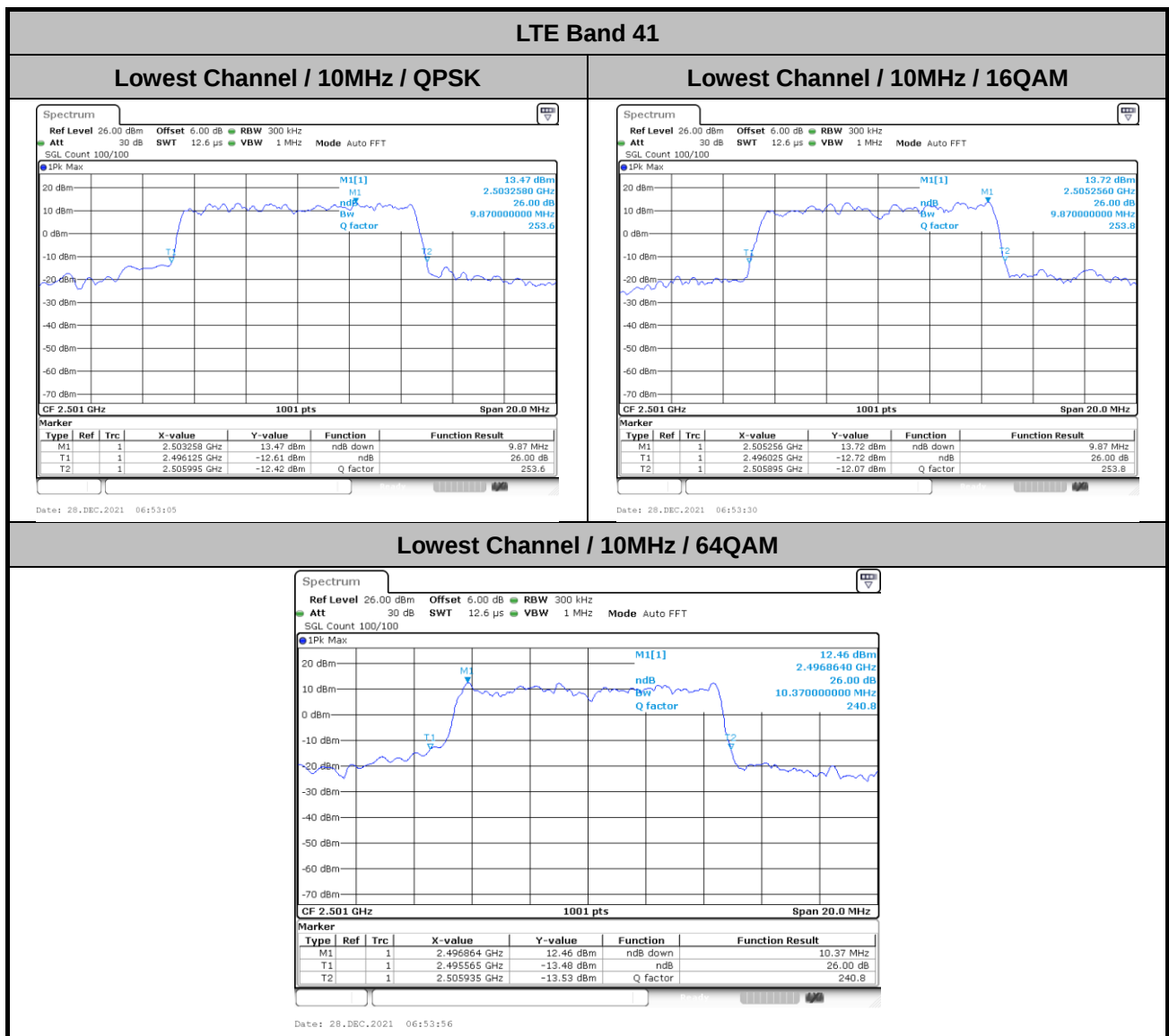
Highest Channel / 5MHz / 64QAM



Date: 28.DEC.2021 06:51:19



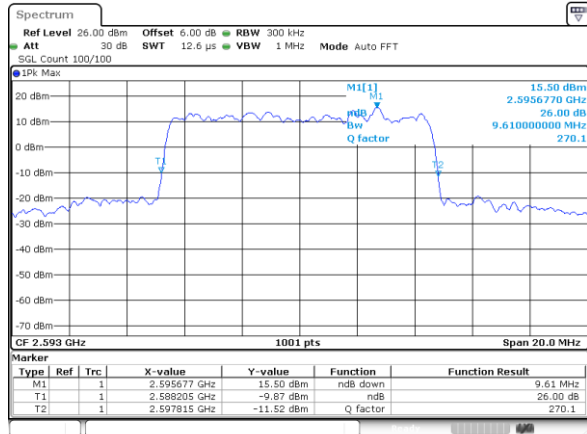
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	9.87	9.87	10.37
Middle CH	9.61	9.67	9.63
Highest CH	9.75	9.71	10.25



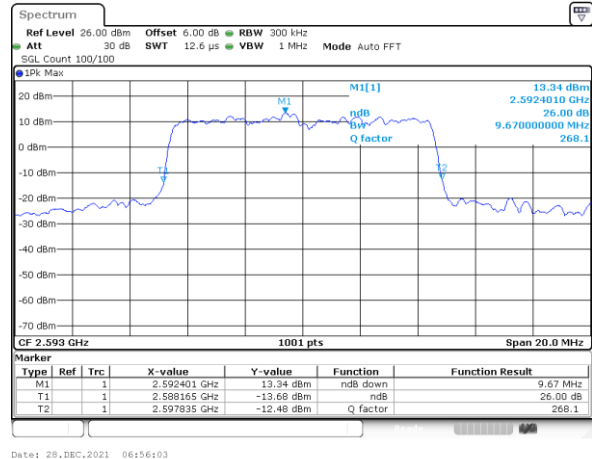


LTE Band 41

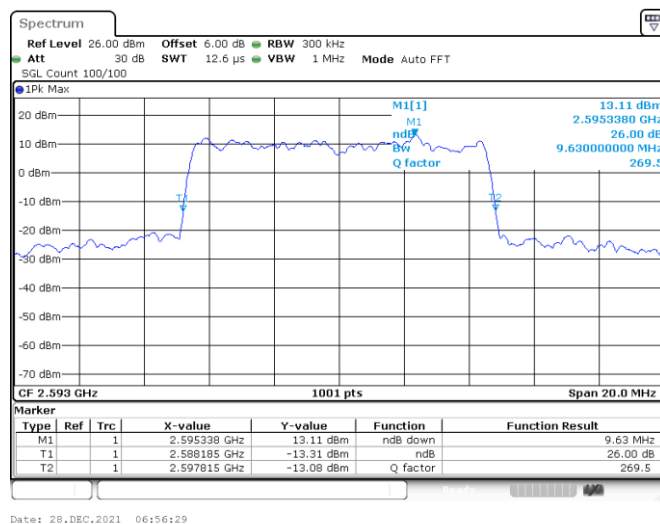
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



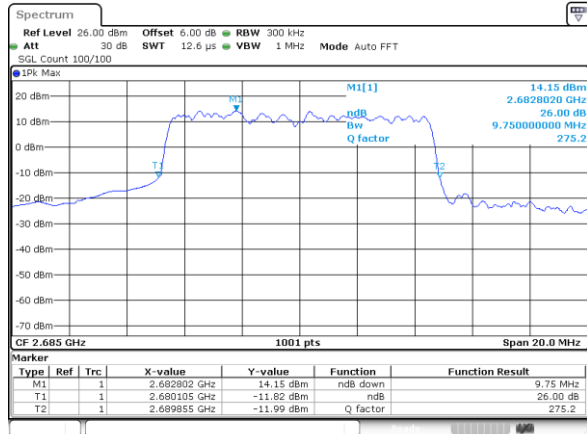
Middle Channel / 10MHz / 64QAM



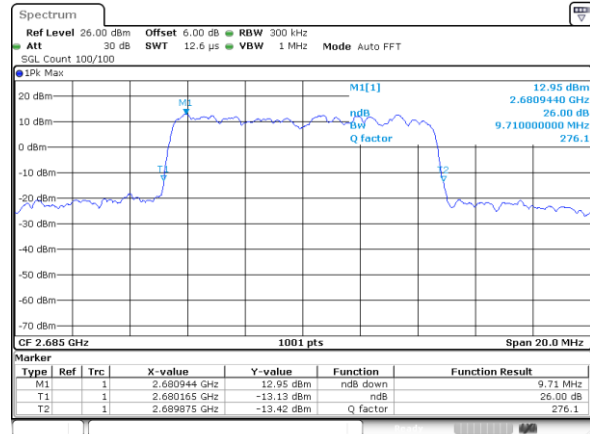


LTE Band 41

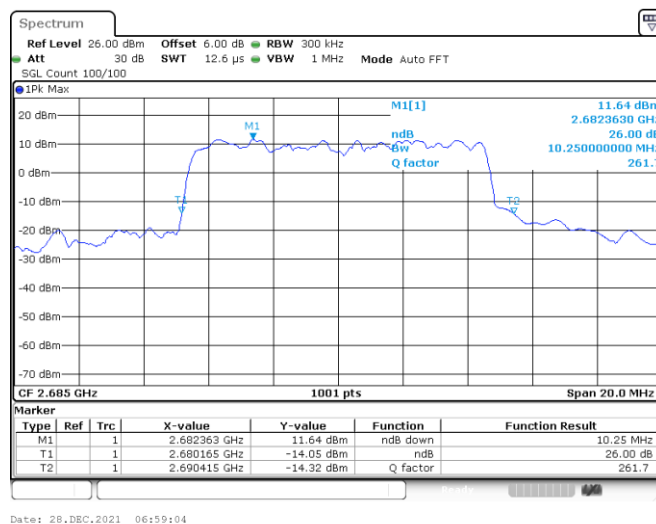
Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

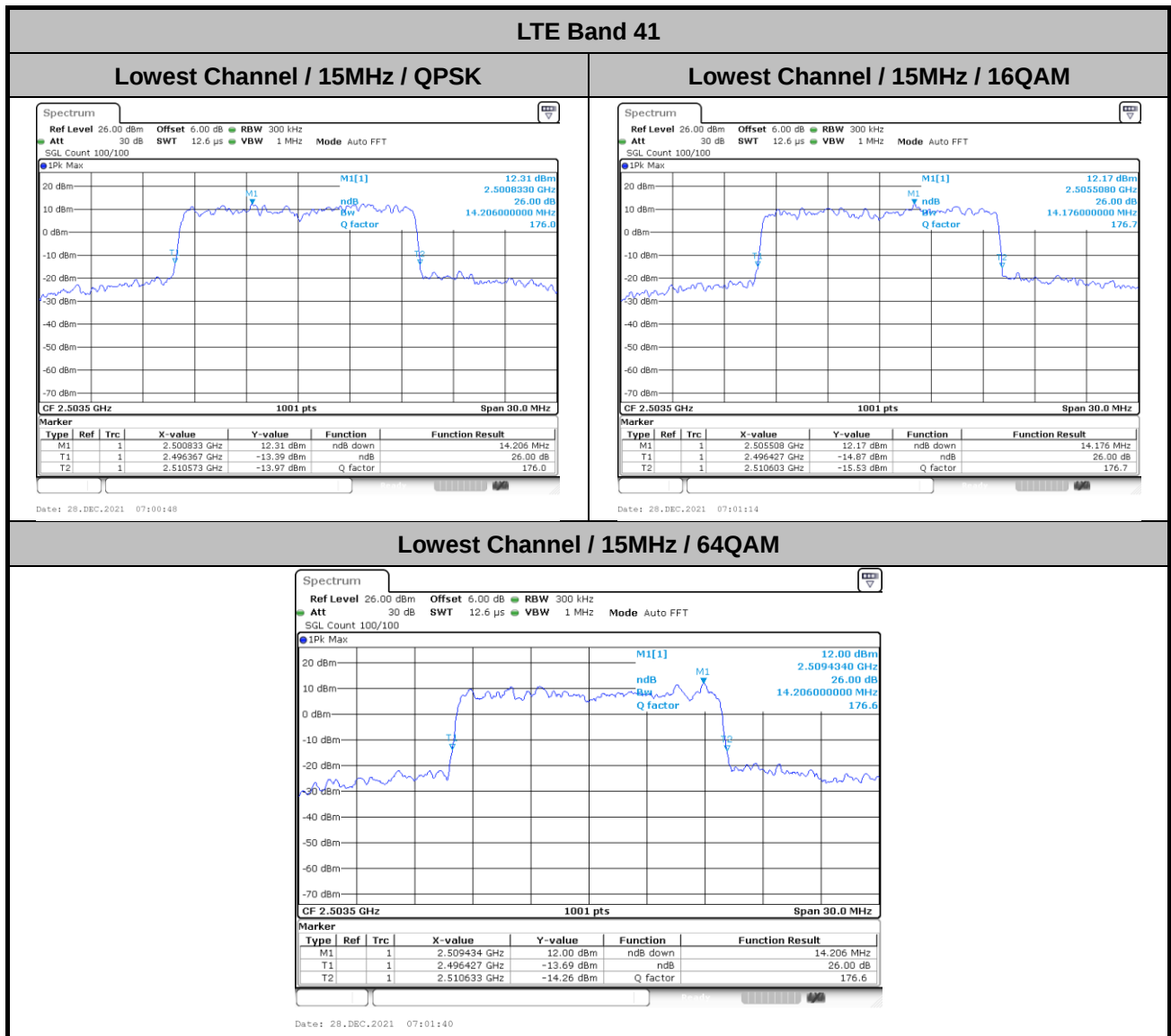


Highest Channel / 10MHz / 64QAM





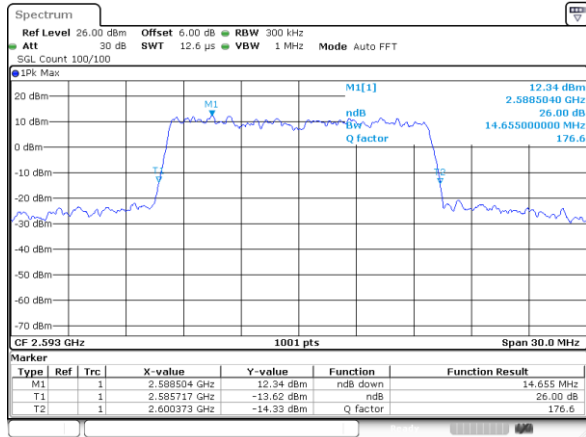
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	15MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	14.21	14.18	14.21
Middle CH	14.66	14.24	14.45
Highest CH	14.39	14.21	14.72





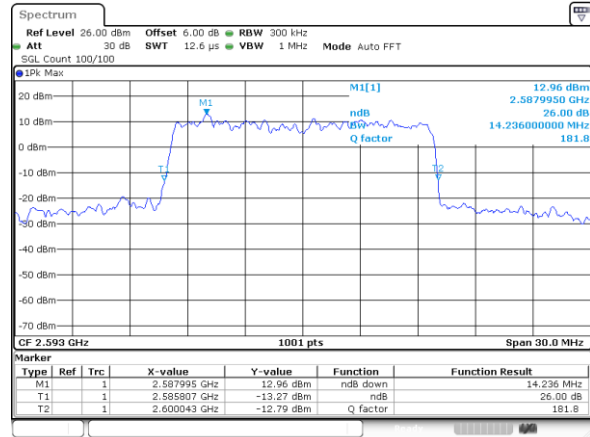
LTE Band 41

Middle Channel / 15MHz / QPSK



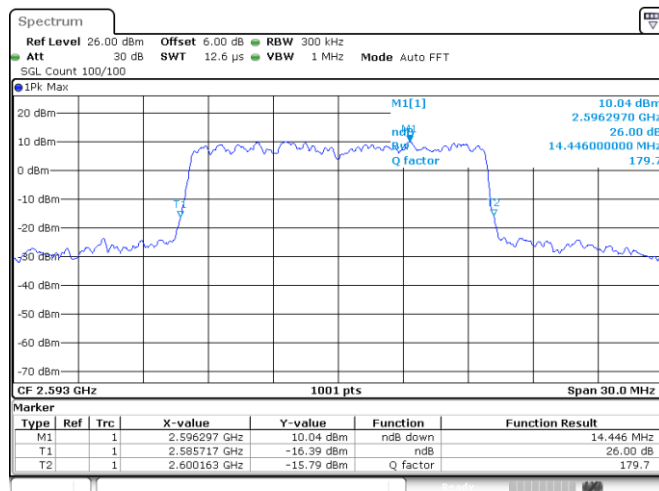
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Middle Channel / 15MHz / 16QAM



Date: 28.DEC.2021 07:03:47

Middle Channel / 15MHz / 64QAM

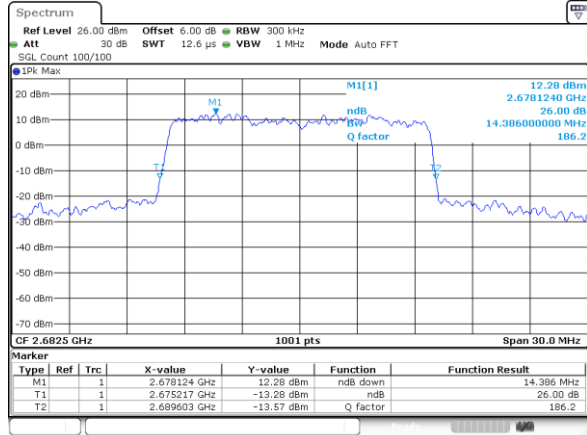


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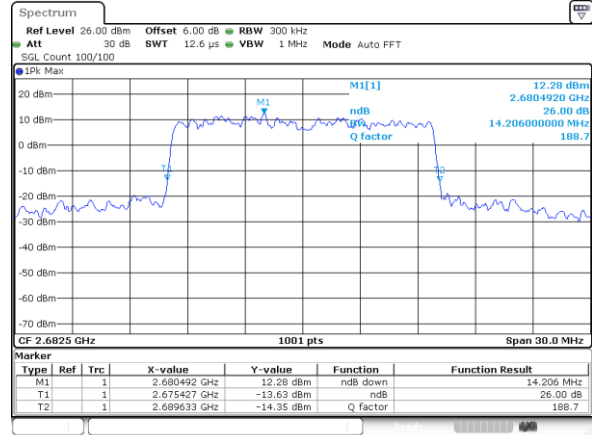


LTE Band 41

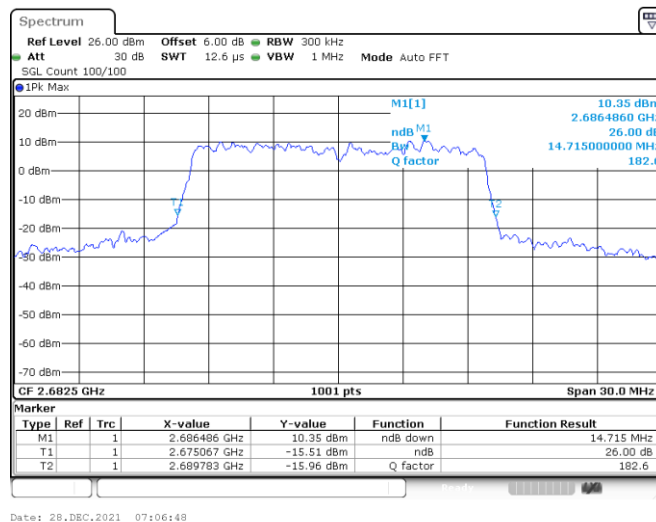
Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

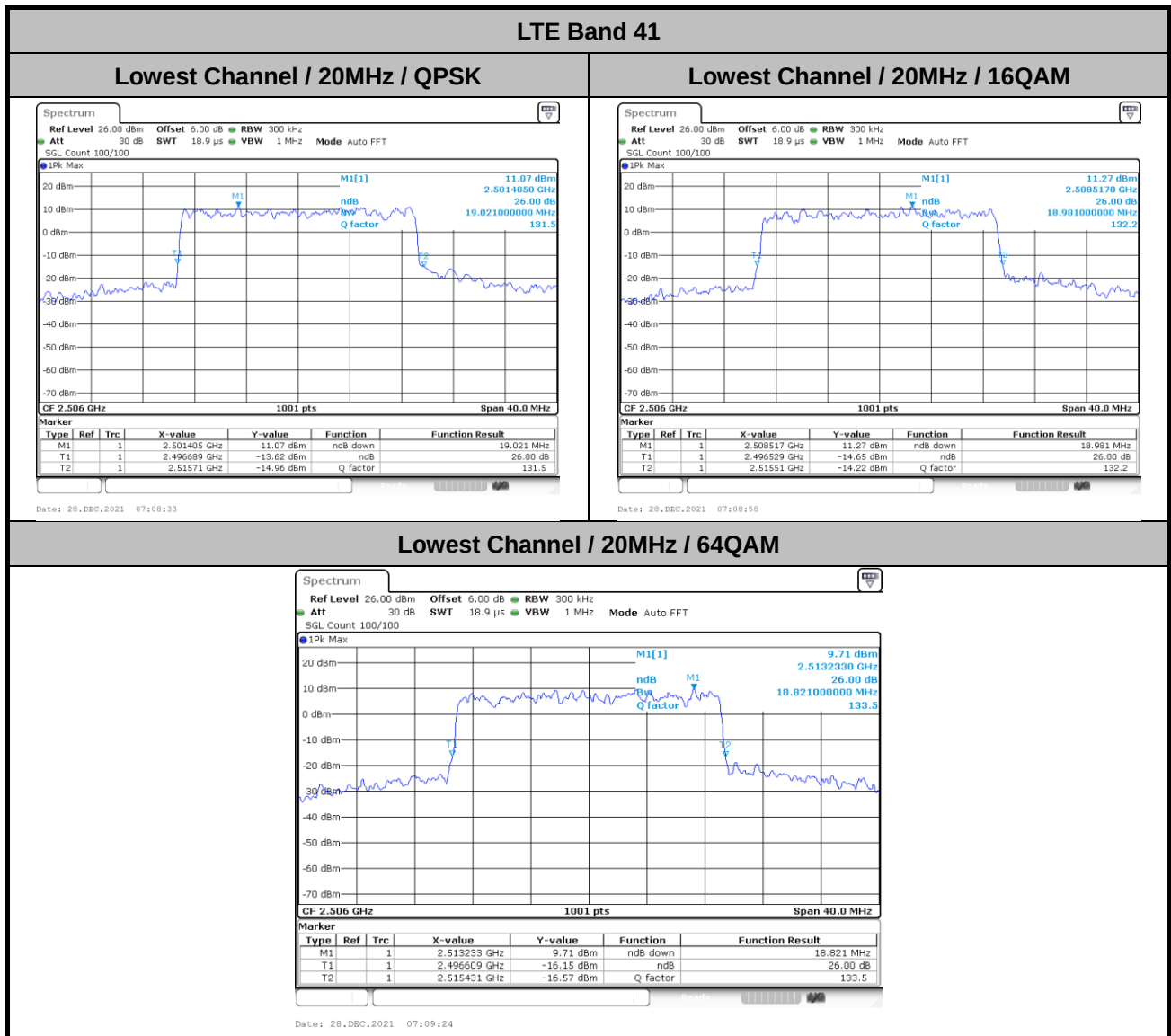


Highest Channel / 15MHz / 64QAM





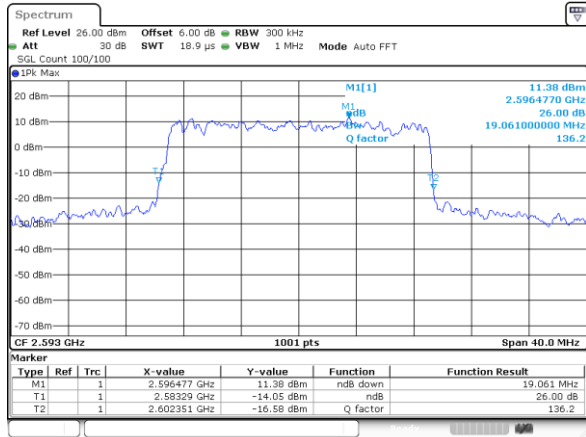
Mode	LTE Band 41 : 26dB BW(MHz)		
BW	20MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	19.02	18.98	18.82
Middle CH	19.06	19.02	18.74
Highest CH	18.78	19.14	18.82



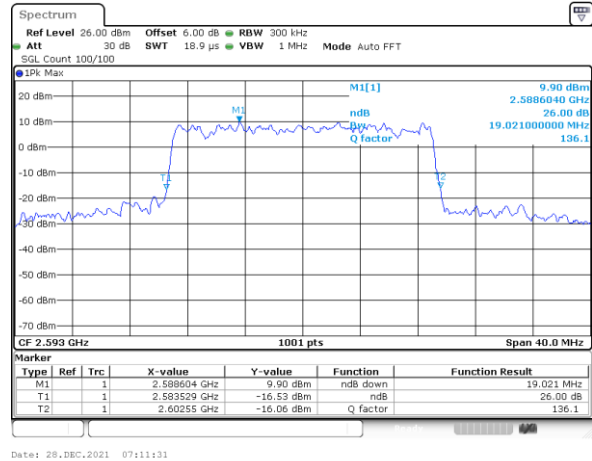


LTE Band 41

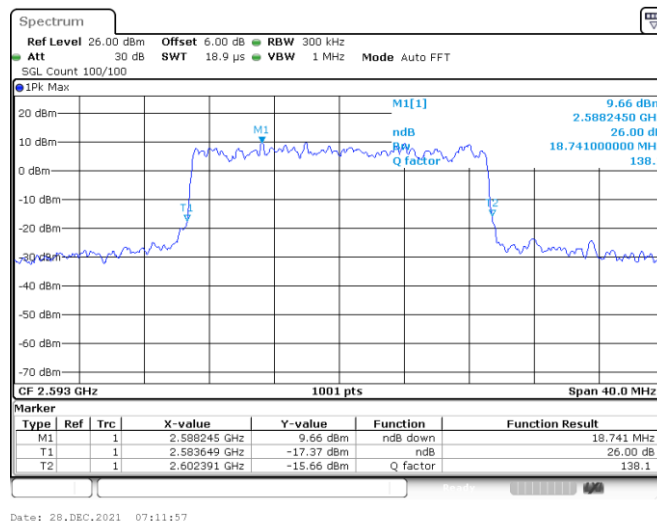
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



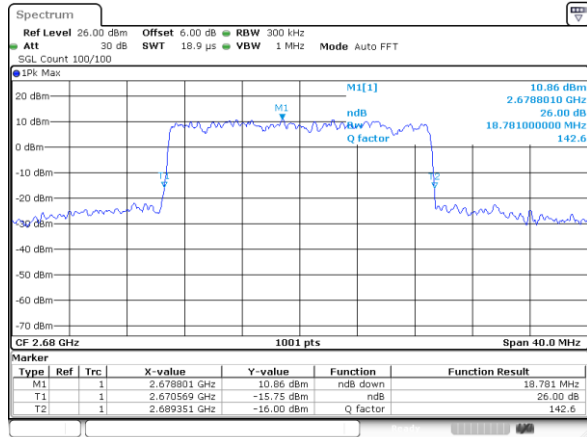
Middle Channel / 20MHz / 64QAM



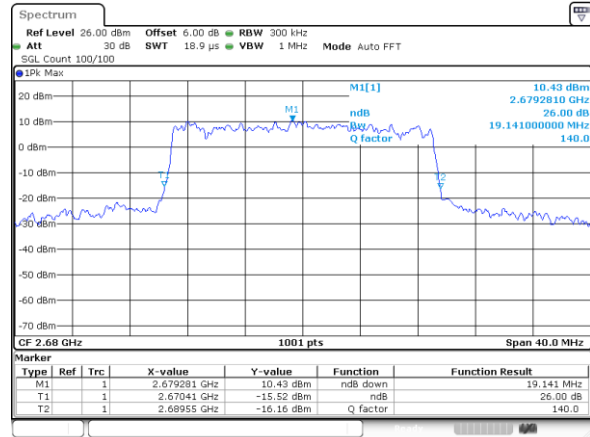


LTE Band 41

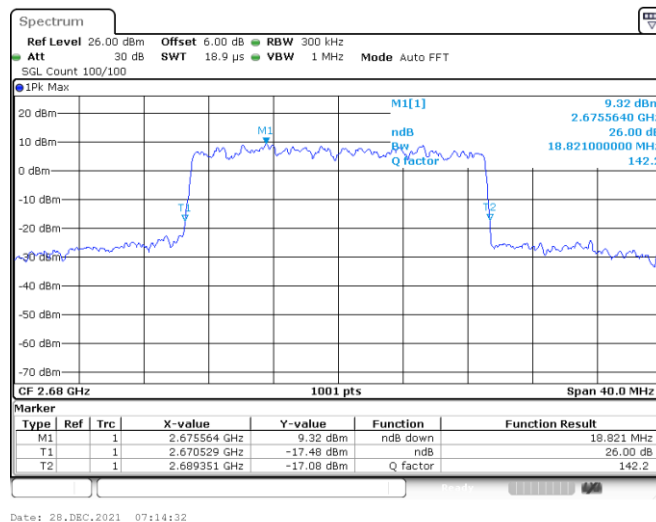
Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

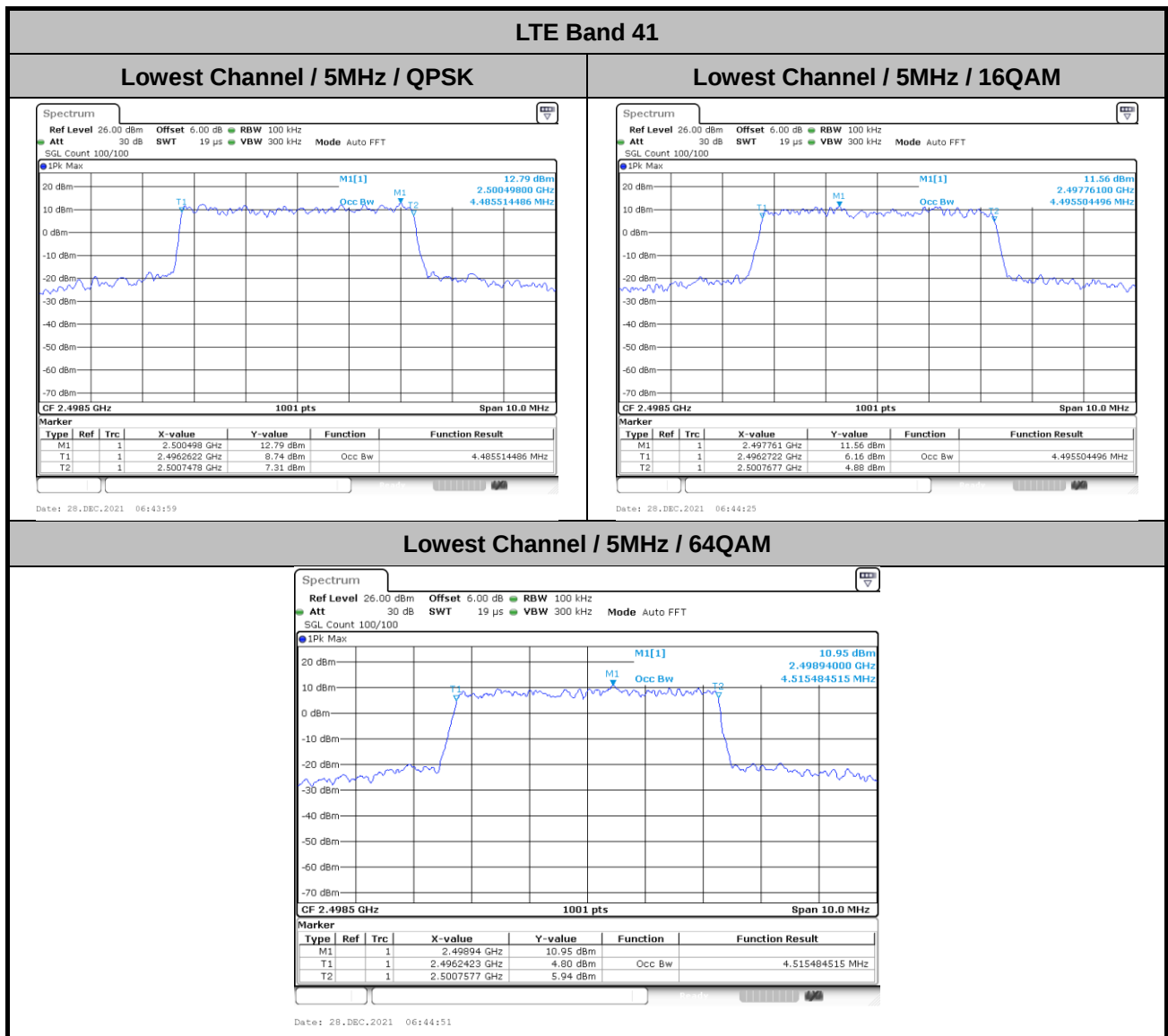


Highest Channel / 20MHz / 64QAM



Occupied Bandwidth

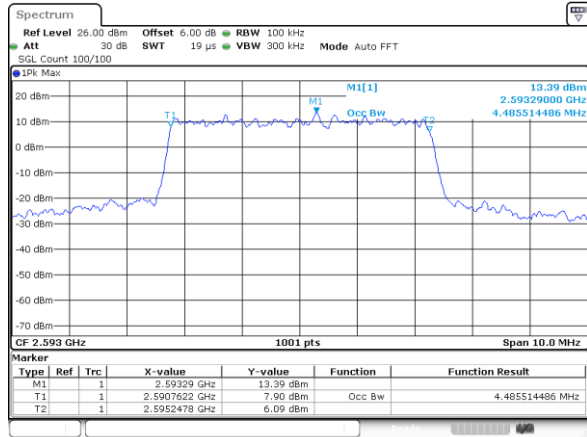
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	5MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	4.49	4.50	4.52
Middle CH	4.49	4.49	4.49
Highest CH	4.49	4.49	4.51



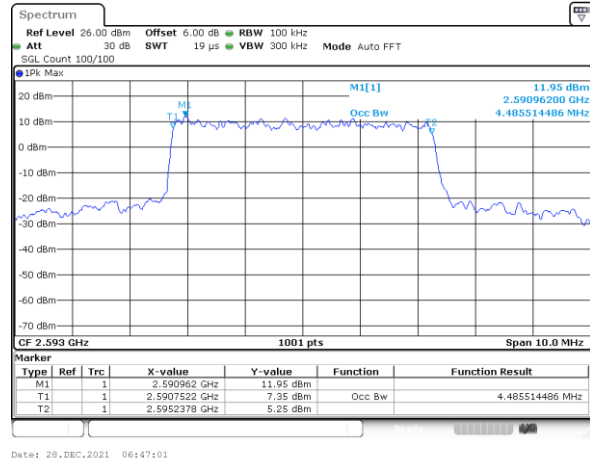


LTE Band 41

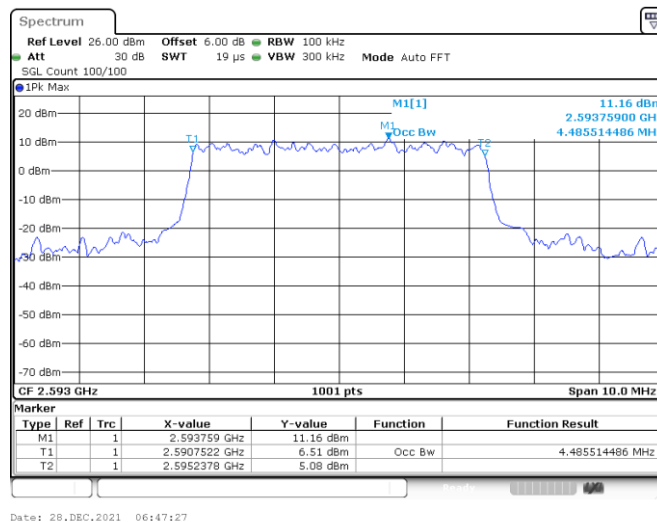
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



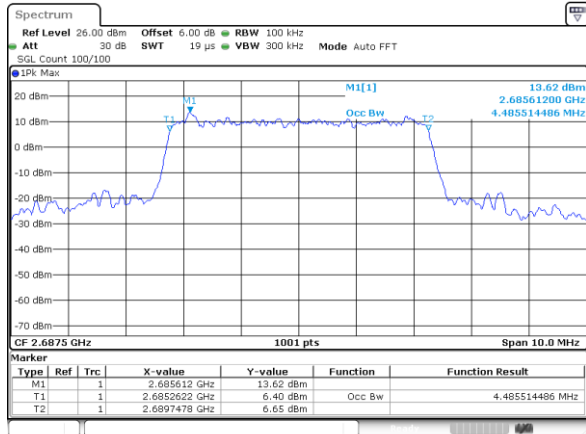
Middle Channel / 5MHz / 64QAM



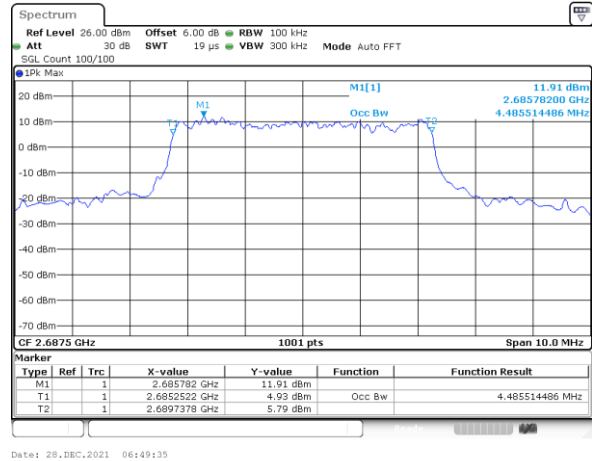


LTE Band 41

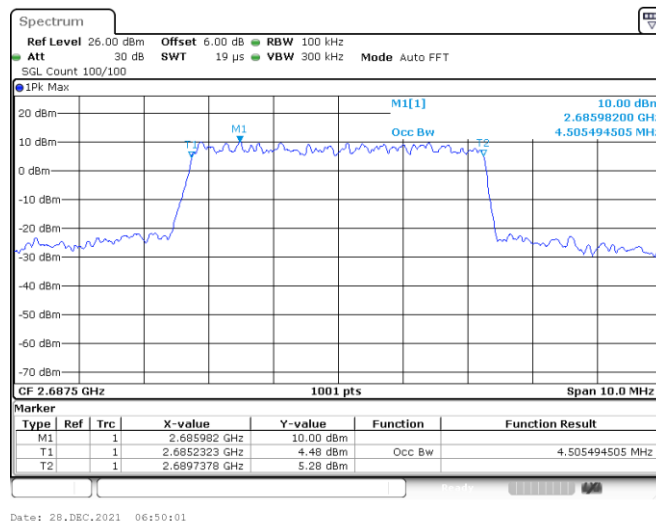
Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

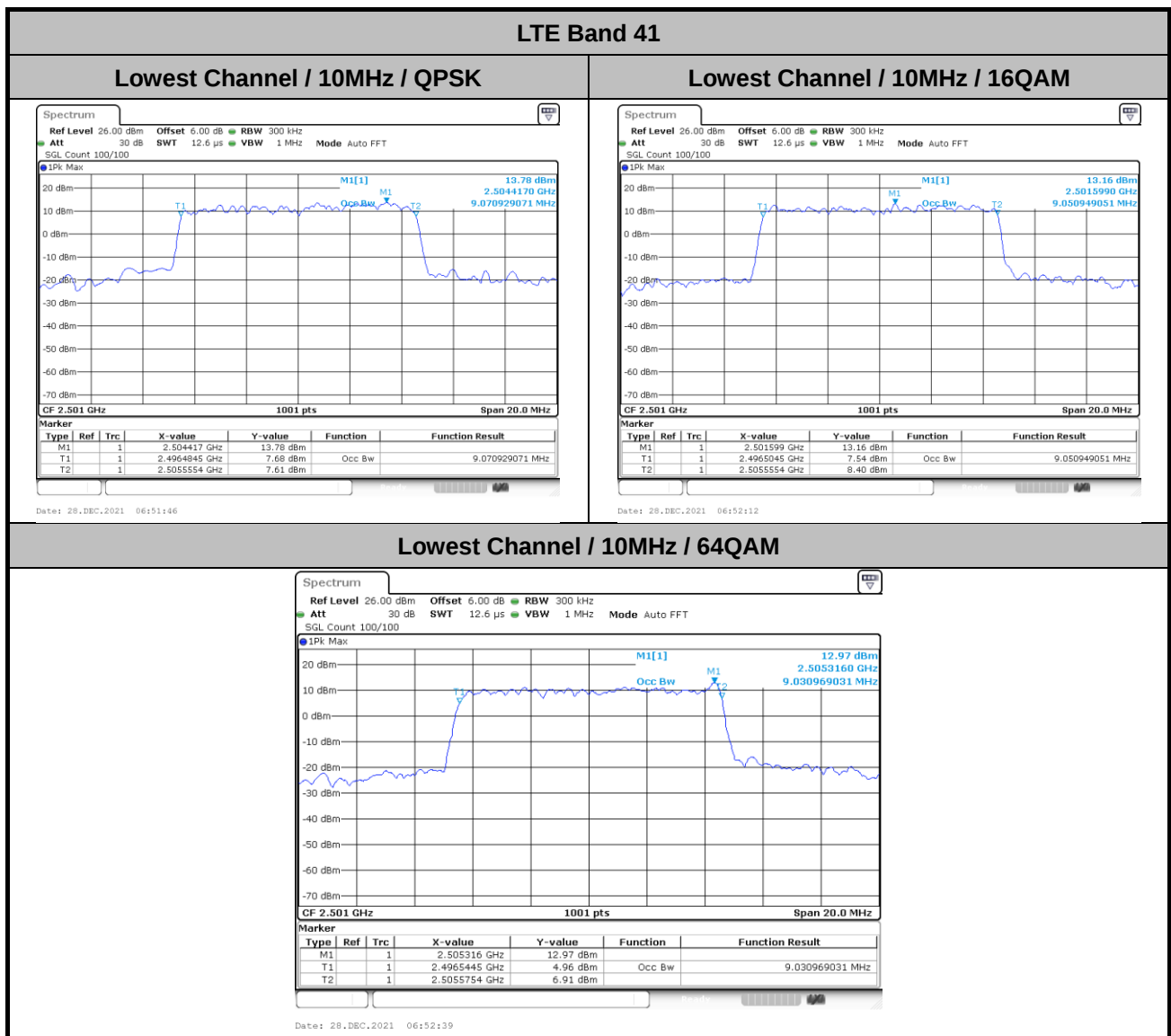


Highest Channel / 5MHz / 64QAM





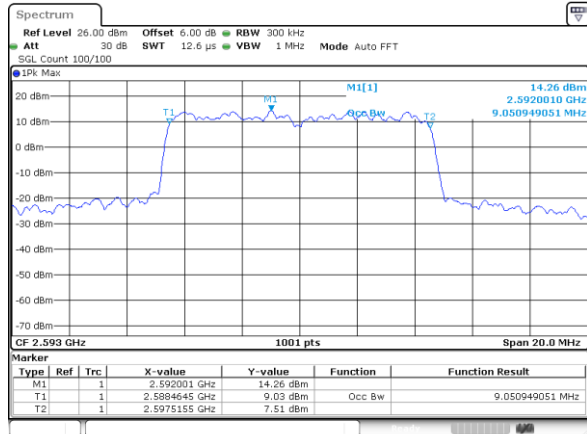
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	10MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	9.07	9.05	9.03
Middle CH	9.05	9.03	9.03
Highest CH	9.01	8.97	9.05





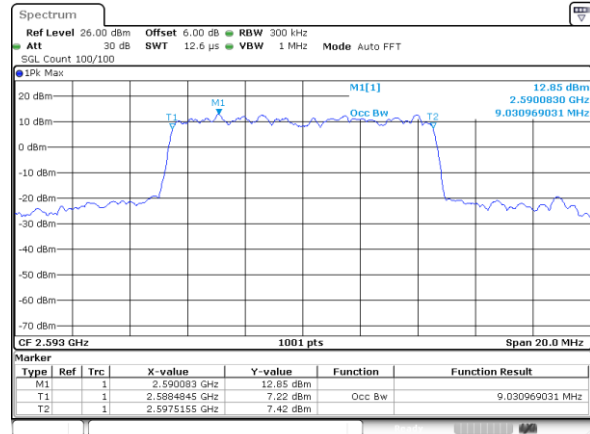
LTE Band 41

Middle Channel / 10MHz / QPSK



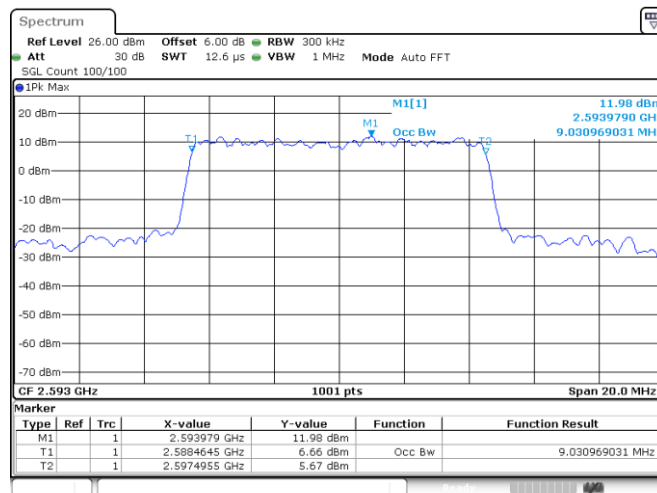
Date: 28.DEC.2021 06:54:22

Middle Channel / 10MHz / 16QAM



Date: 28.DEC.2021 06:54:47

Middle Channel / 10MHz / 64QAM

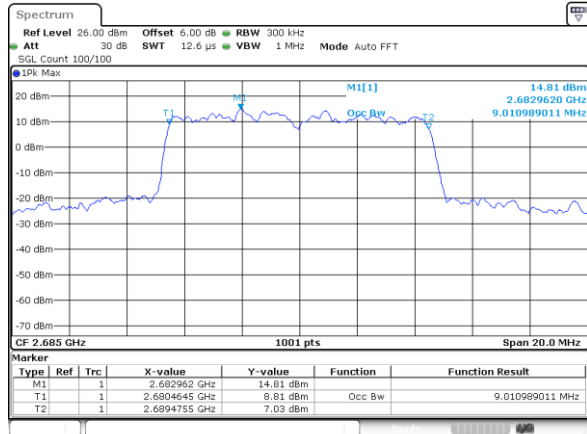


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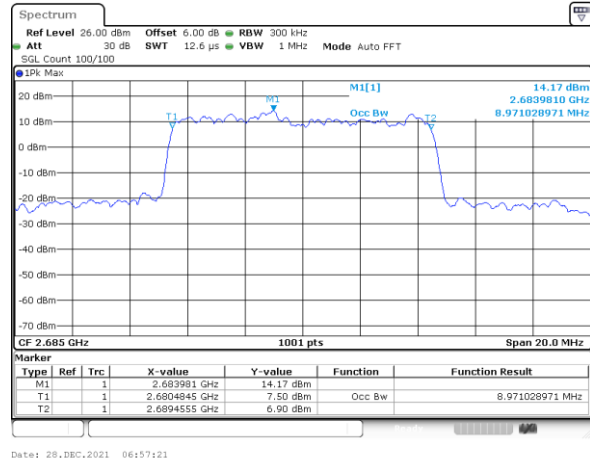


LTE Band 41

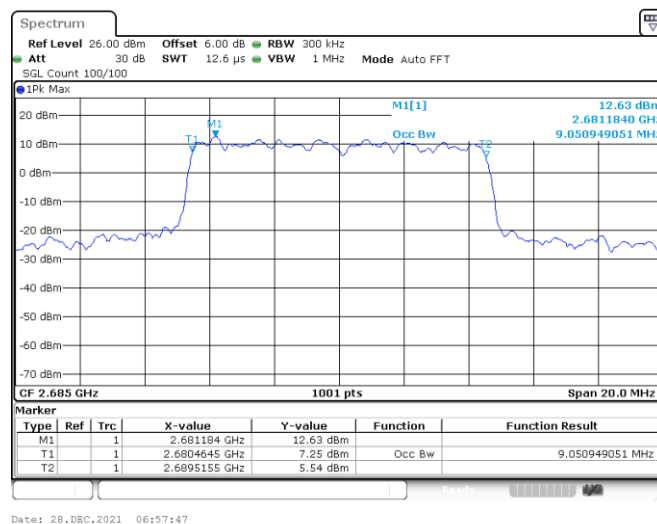
Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

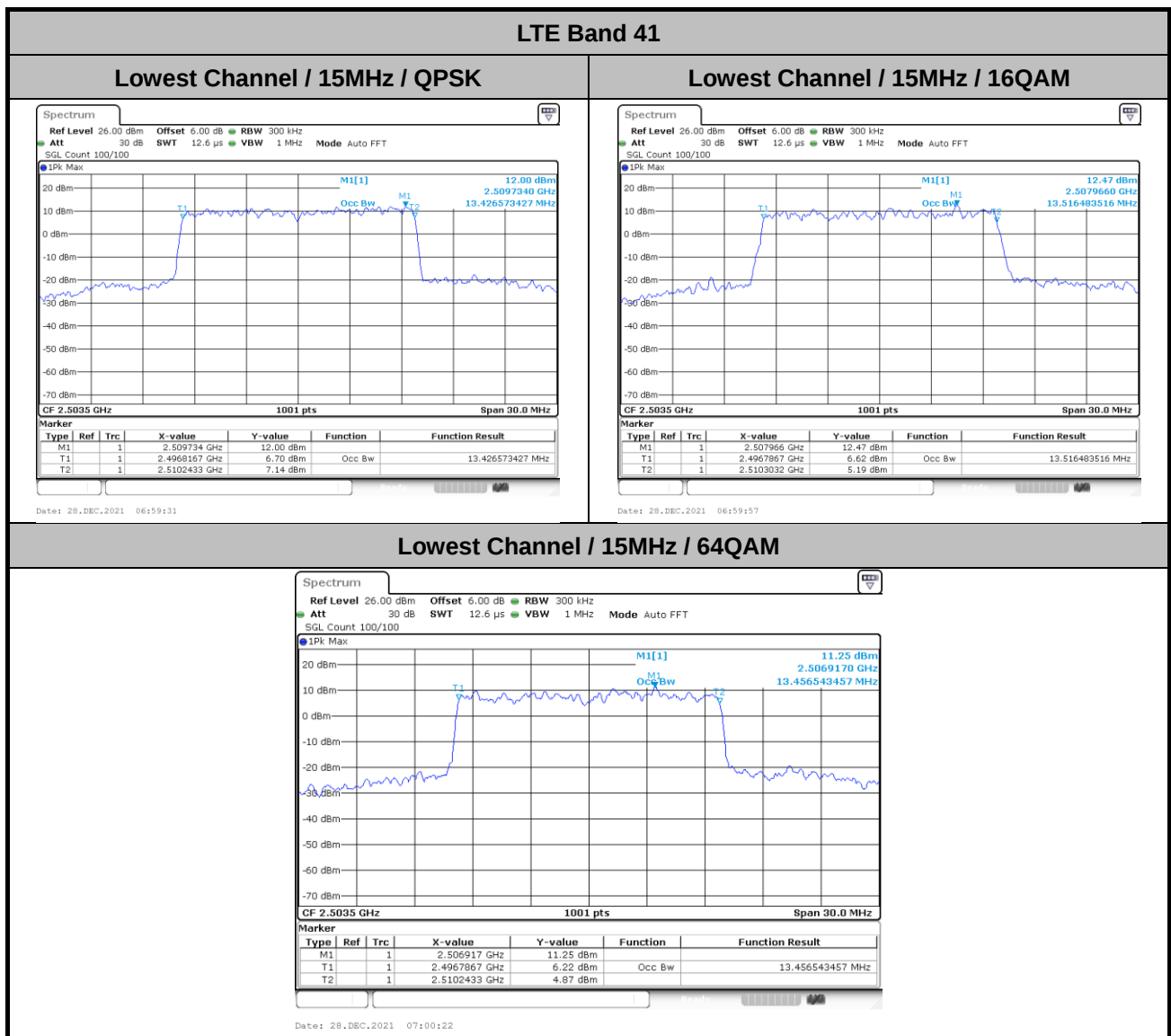


Highest Channel / 10MHz / 64QAM





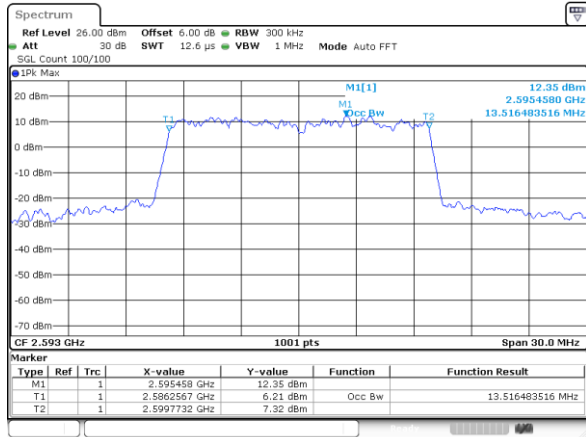
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	15MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	13.43	13.52	13.46
Middle CH	13.52	13.49	13.46
Highest CH	13.52	13.49	13.46



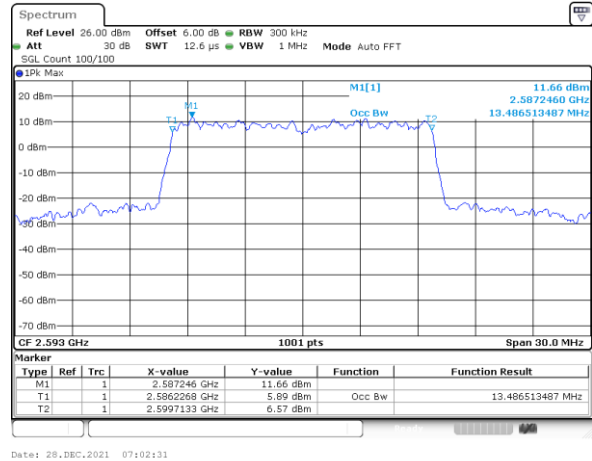


LTE Band 41

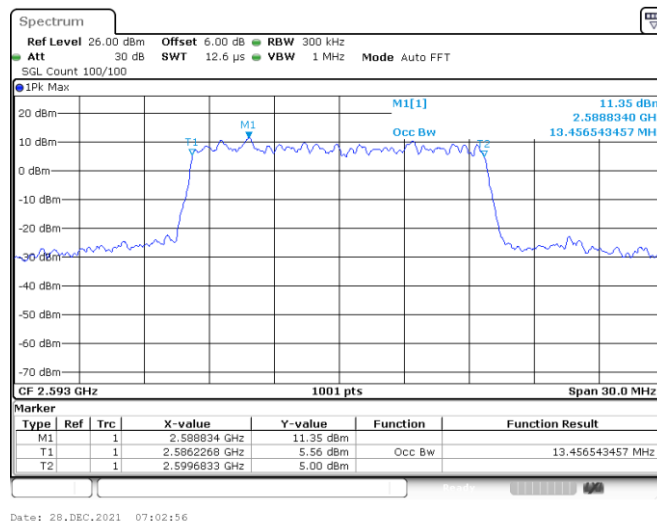
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



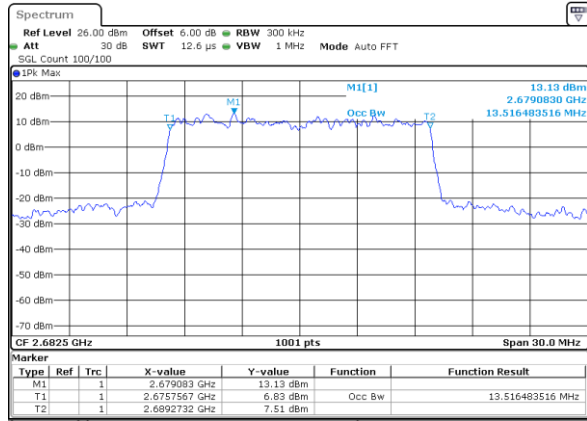
Middle Channel / 15MHz / 64QAM



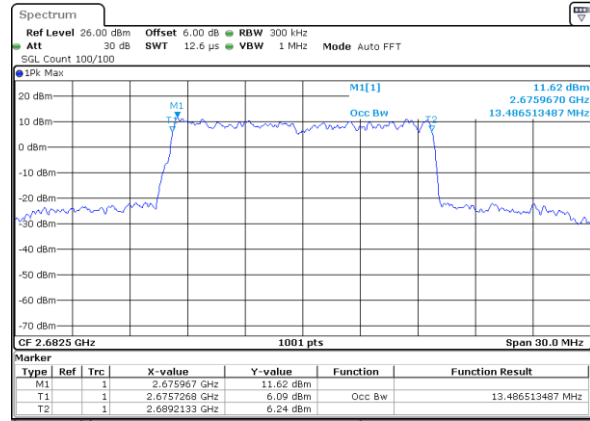


LTE Band 41

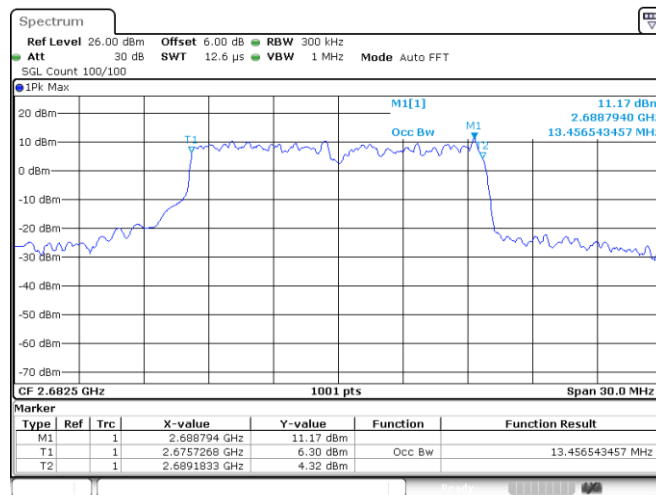
Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

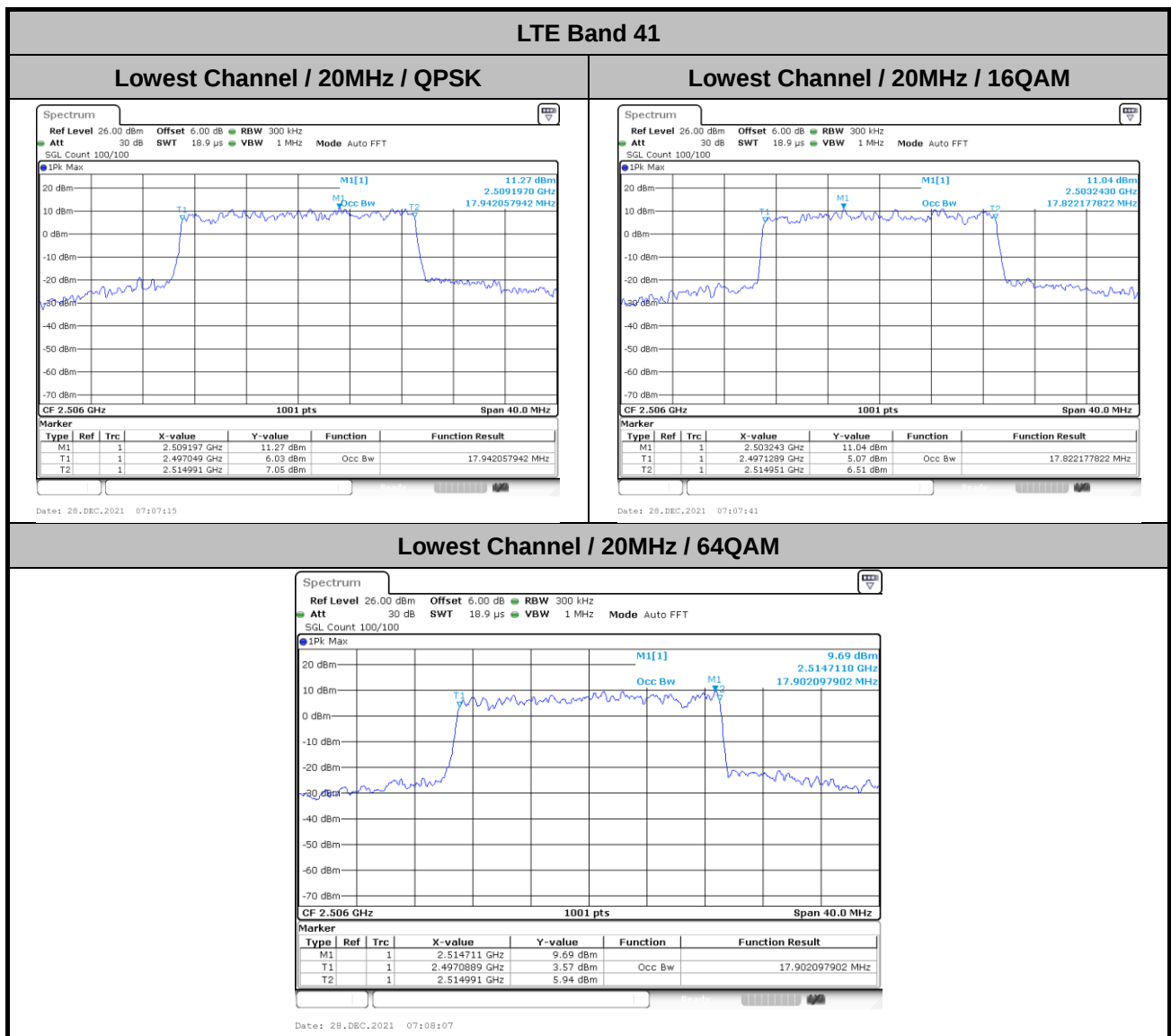


Highest Channel / 15MHz / 64QAM





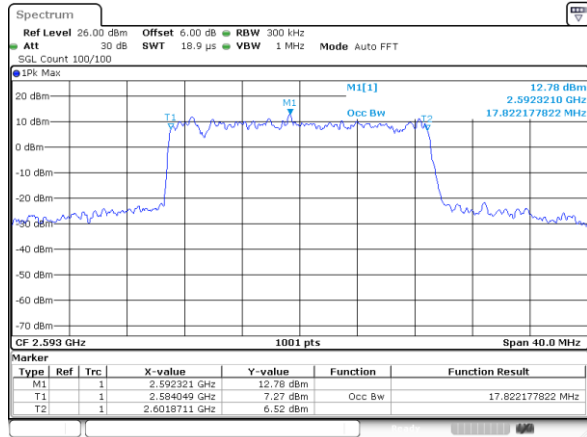
Mode	LTE Band 41 : 99%OBW(MHz)		
BW	20MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	17.94	17.82	17.90
Middle CH	17.82	17.82	17.90
Highest CH	17.94	17.98	17.90



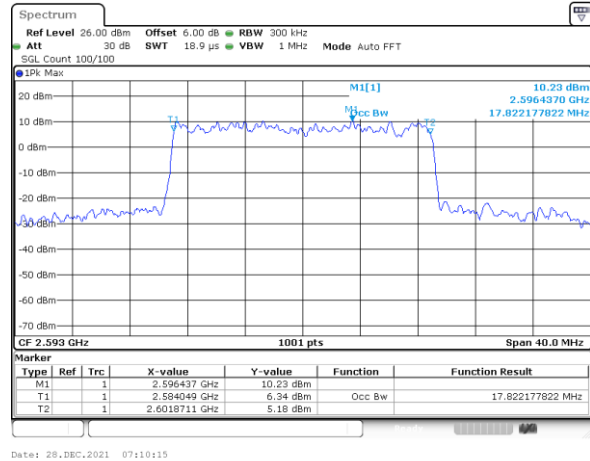


LTE Band 41

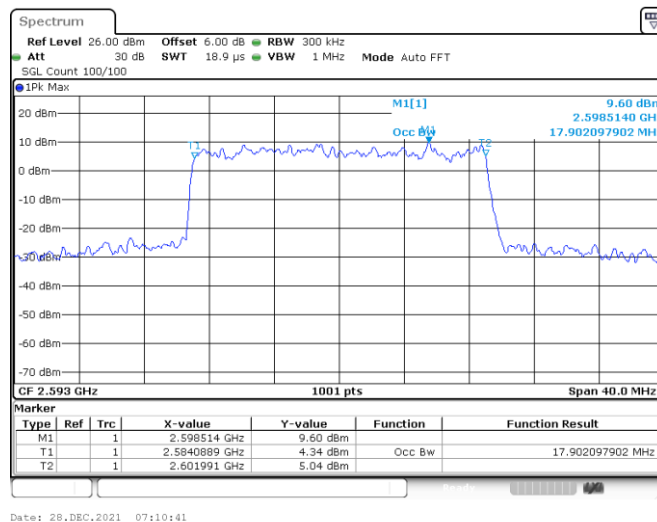
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



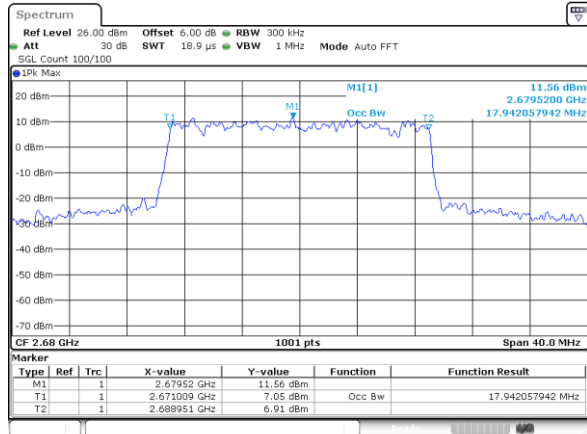
Middle Channel / 20MHz / 64QAM



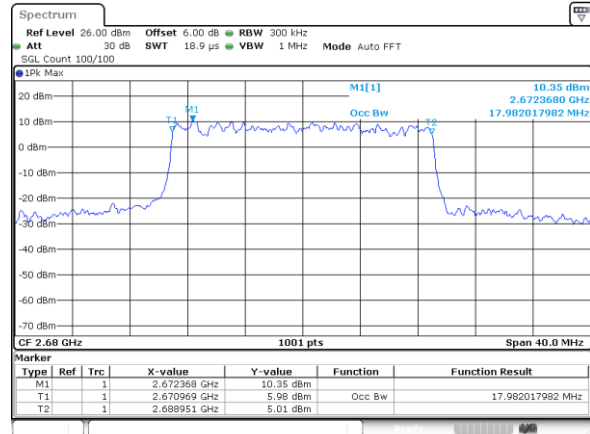


LTE Band 41

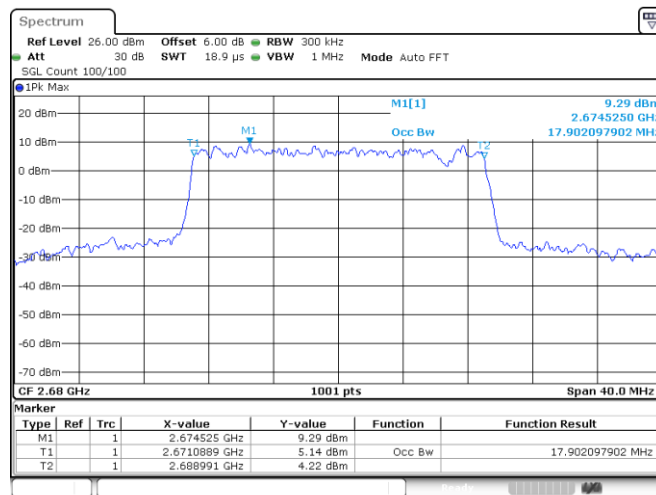
Highest Channel / 20MHz / QPSK

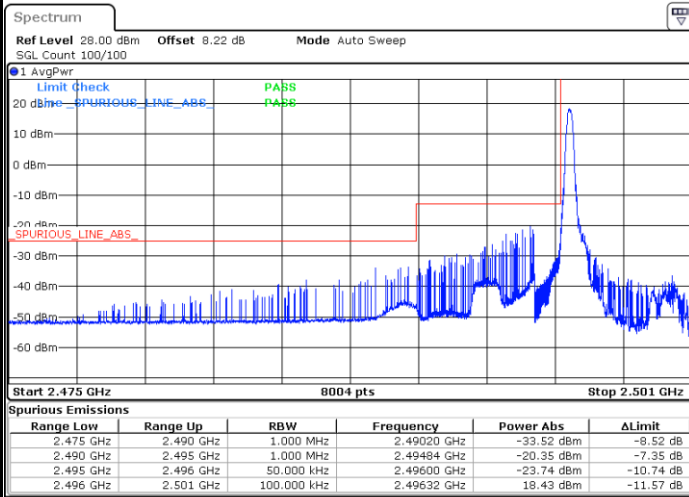
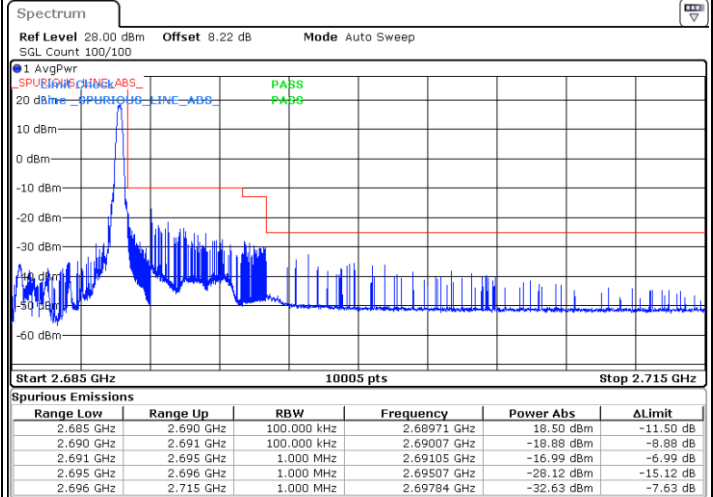
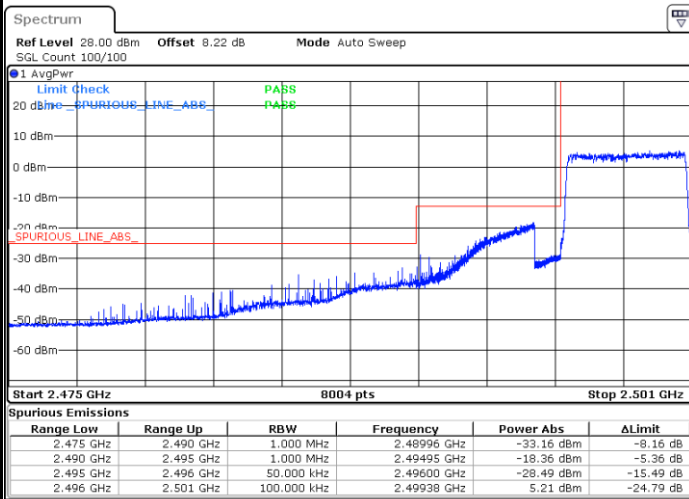
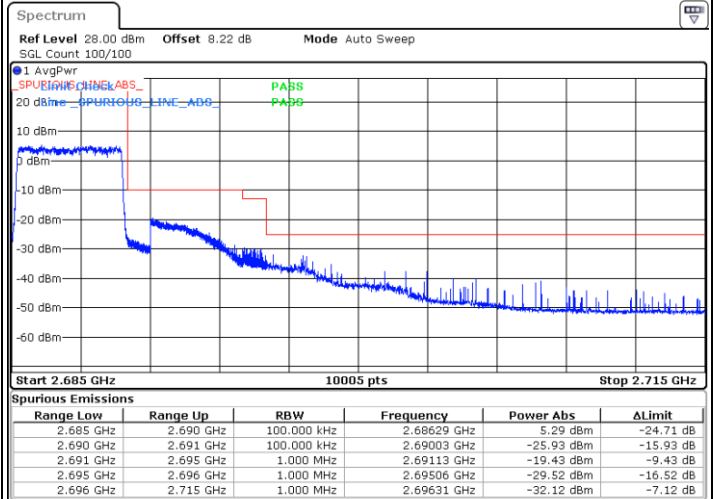


Highest Channel / 20MHz / 16QAM



Highest Channel / 20MHz / 64QAM

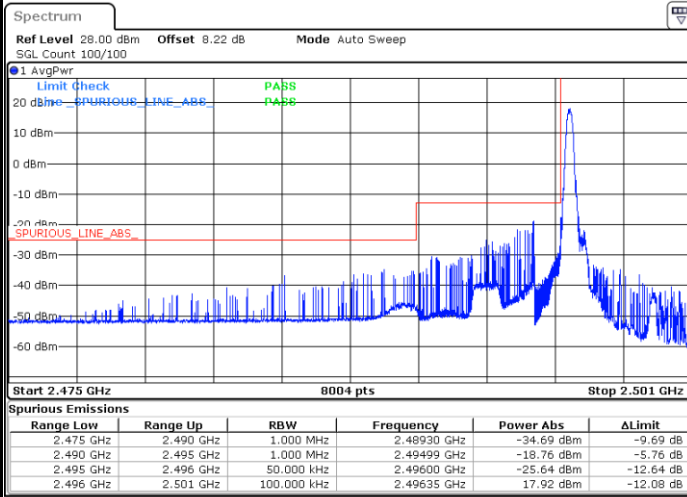


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



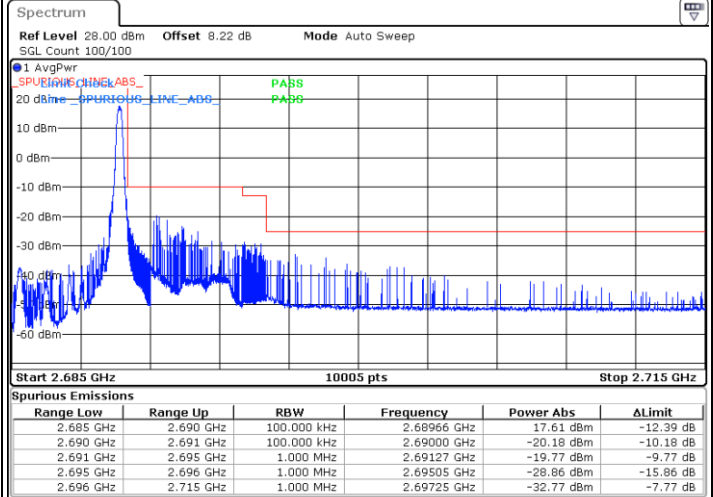
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



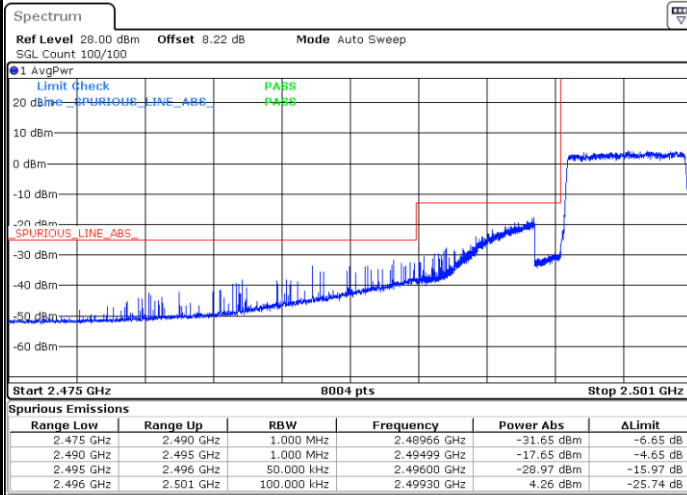
Date: 17 DEC 2021 02:24:05

Highest Band Edge / 1 RB



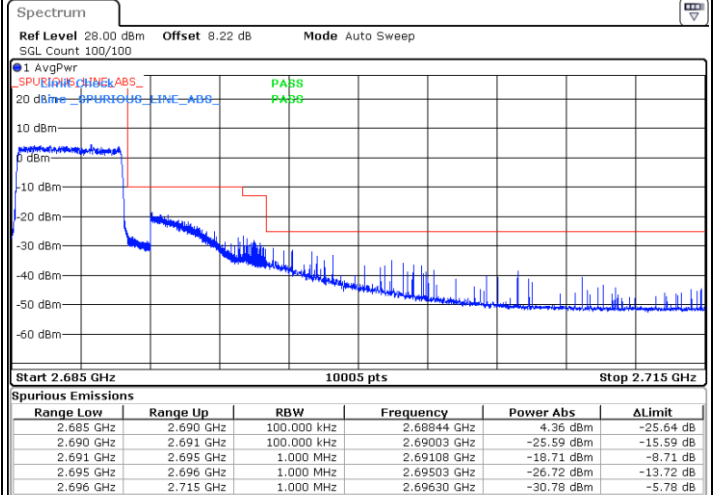
Date: 17 DEC 2021 02:35:52

Lowest Band Edge / Full RB



Date: 17 DEC 2021 02:28:59

Highest Band Edge / Full RB

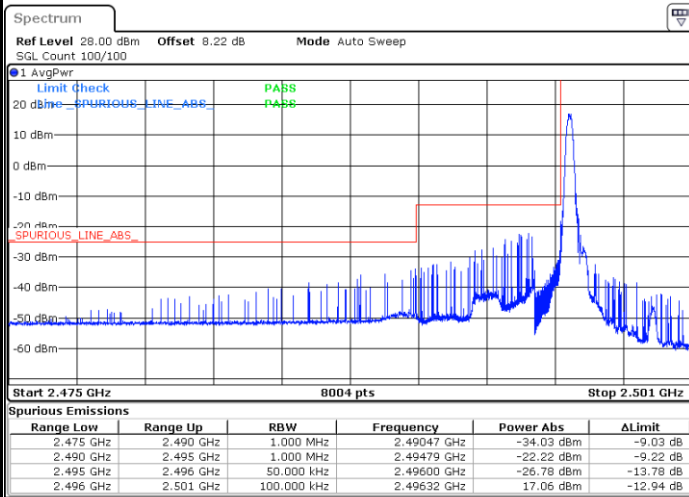


Date: 17 DEC 2021 02:40:46

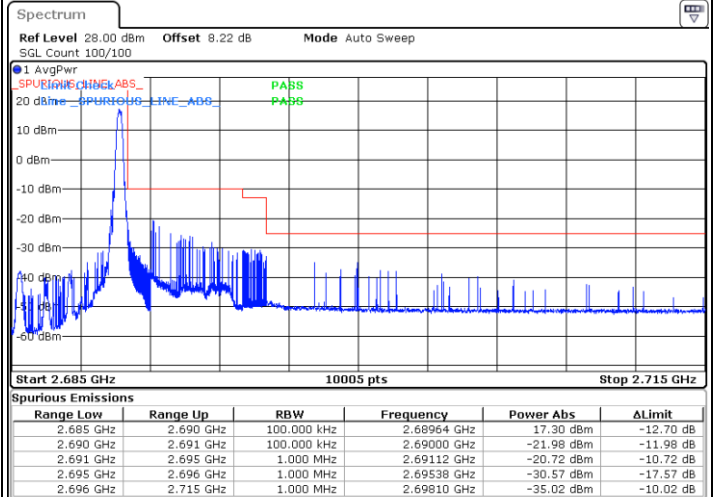


LTE Band 41 / 5MHz / 64QAM

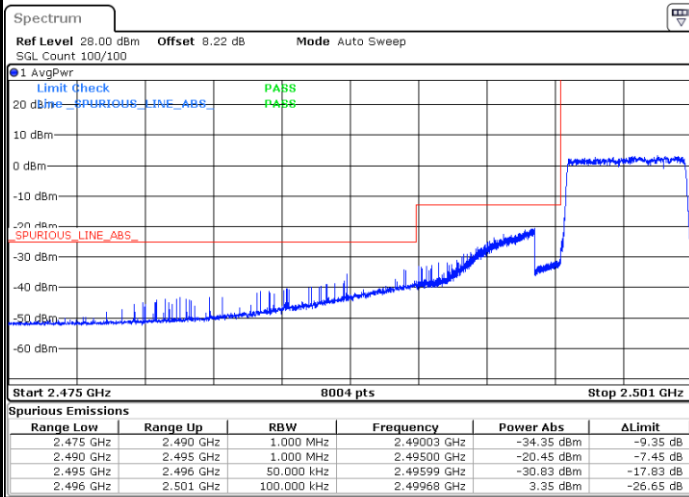
Lowest Band Edge / 1RB



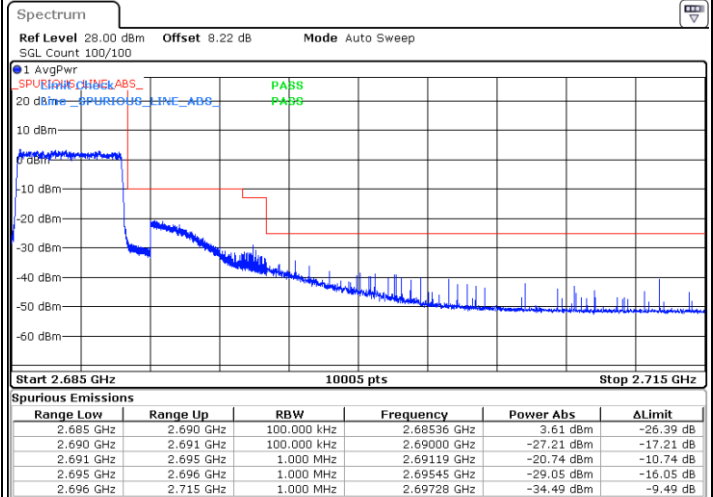
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



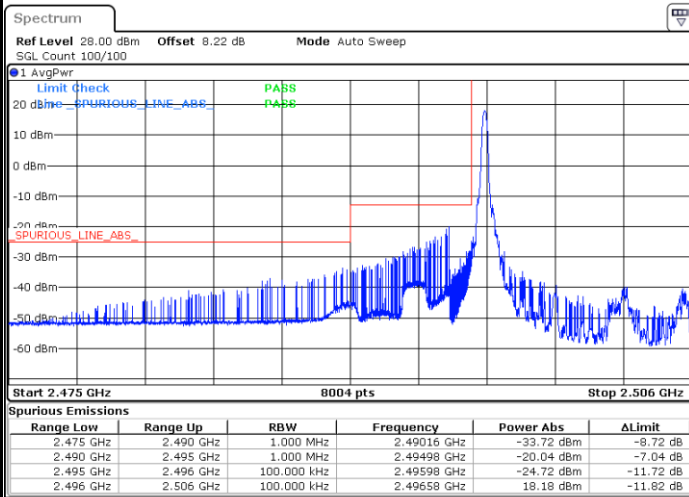
Highest Band Edge / Full RB





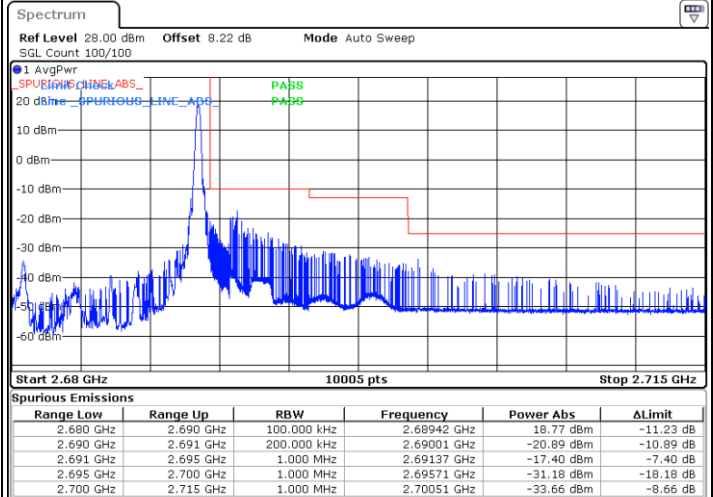
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



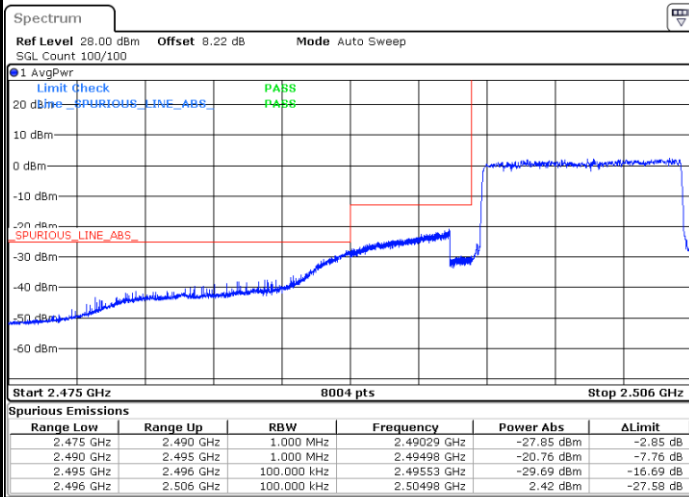
Date: 17 DEC 2021 02:44:52

Highest Band Edge / 1 RB



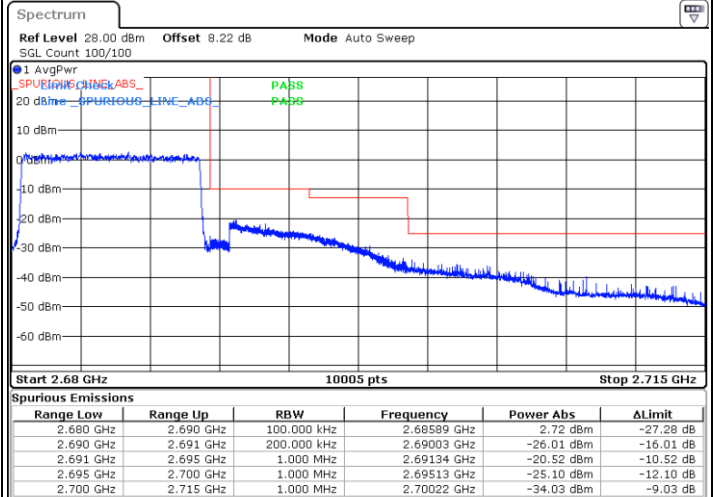
Date: 17 DEC 2021 02:54:52

Lowest Band Edge / Full RB



Date: 17 DEC 2021 02:51:56

Highest Band Edge / Full RB

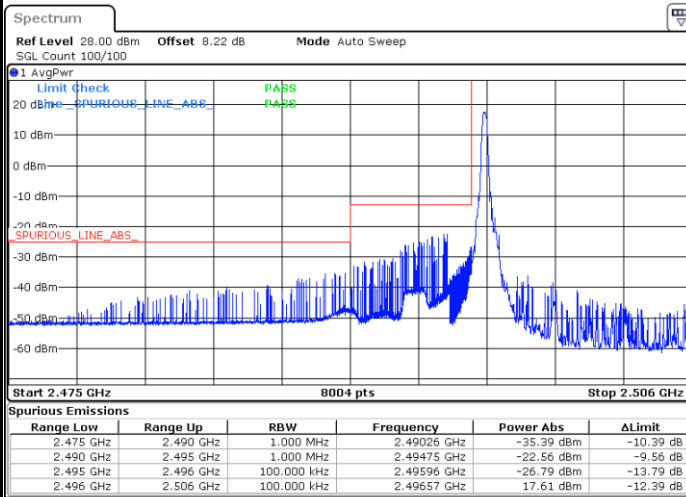


Date: 17 DEC 2021 02:59:32

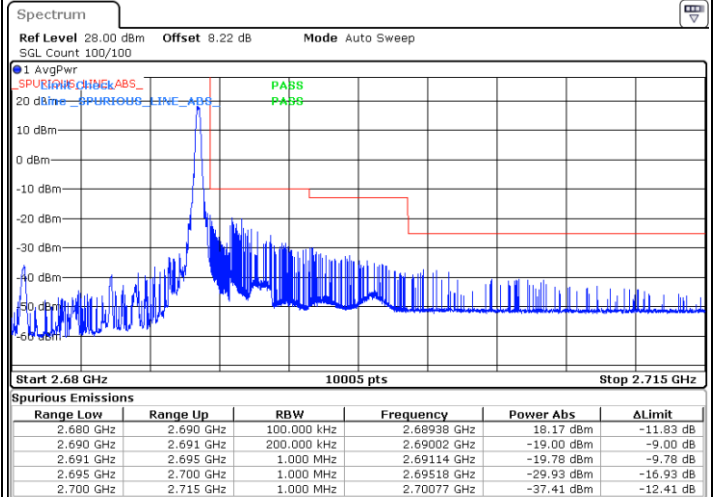


LTE Band 41 / 10MHz / 16QAM

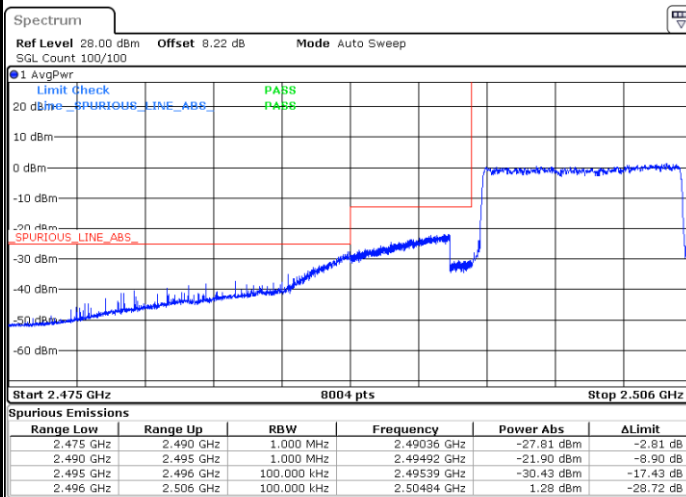
Lowest Band Edge / 1 RB



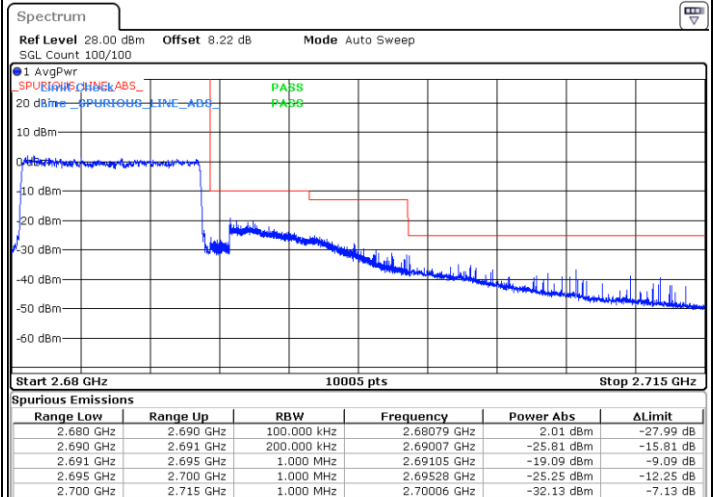
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



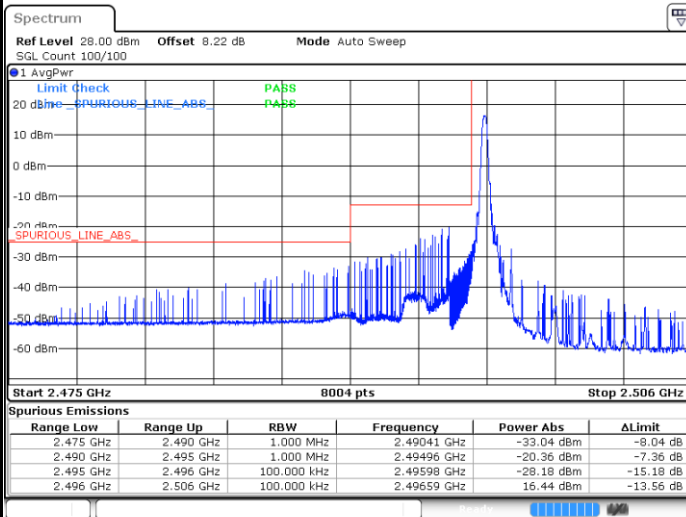
Highest Band Edge / Full RB



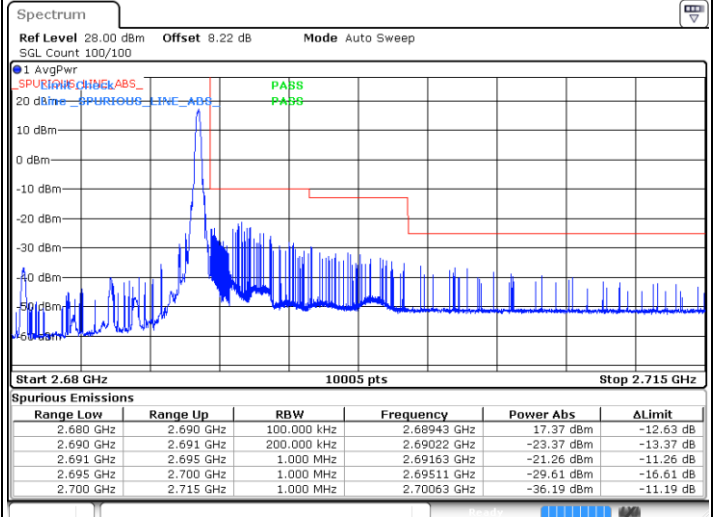


LTE Band 41 / 10MHz / 64QAM

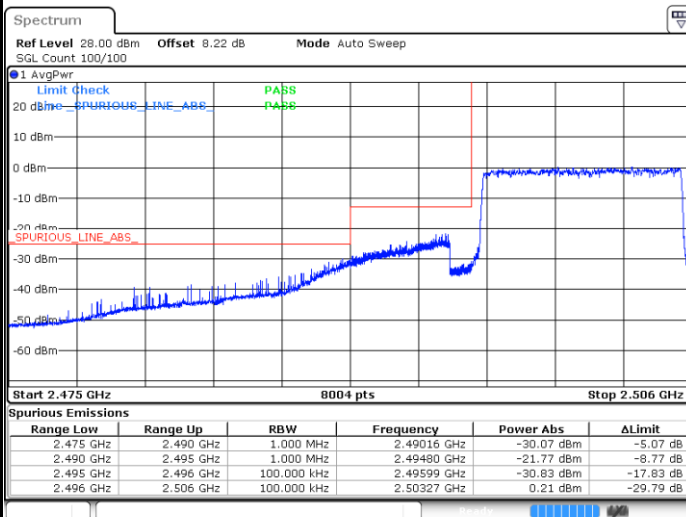
Lowest Band Edge / 1 RB



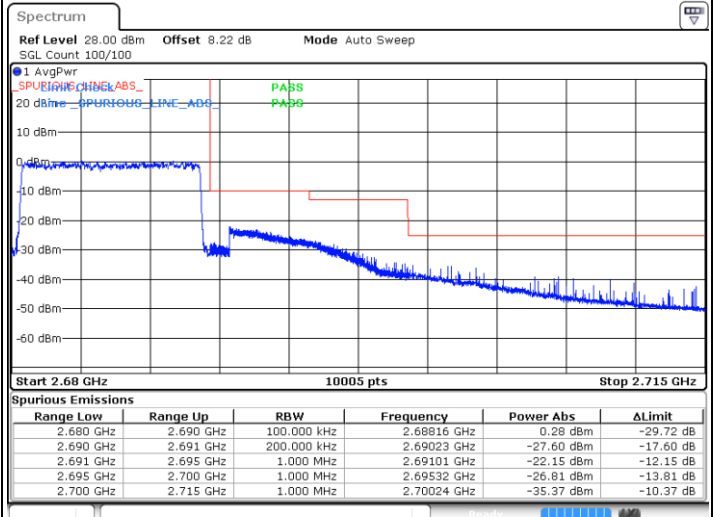
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



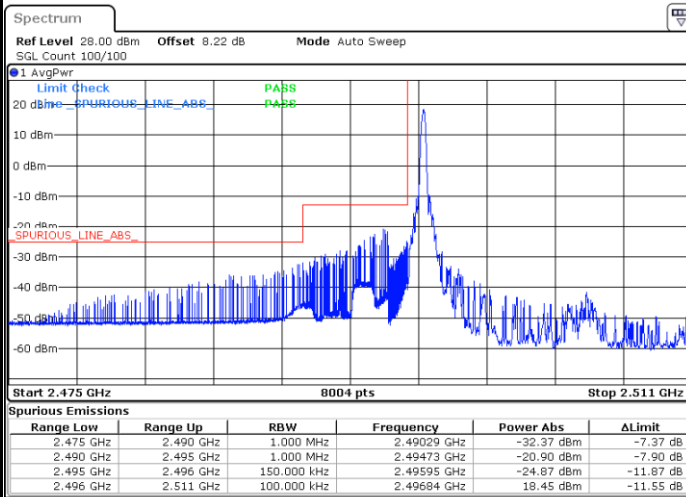
Highest Band Edge / Full RB





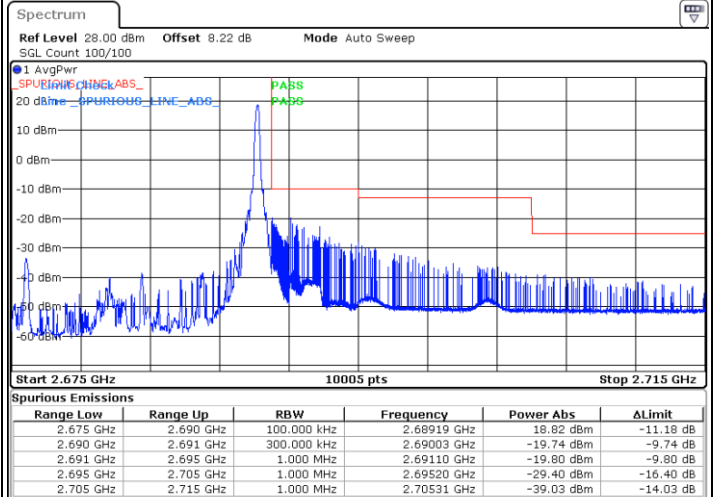
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



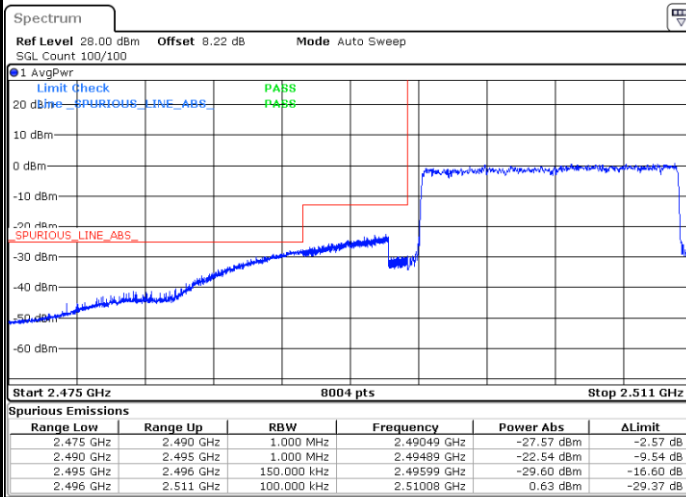
Date: 17 DEC 2021 03:01:19

Highest Band Edge / 1 RB



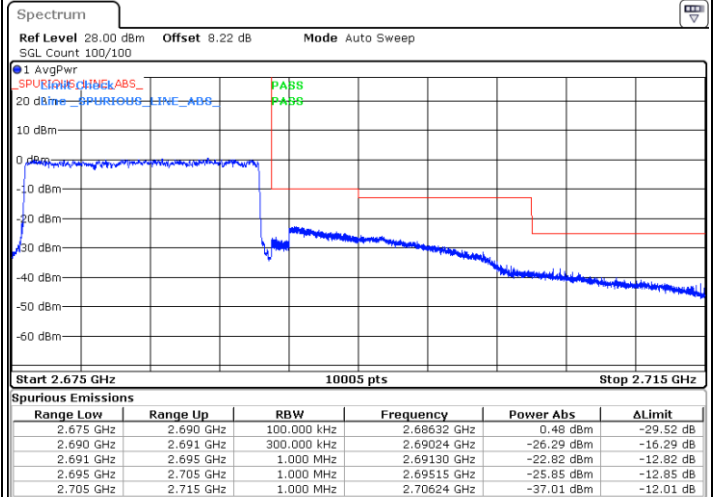
Date: 17 DEC 2021 03:08:58

Lowest Band Edge / Full RB



Date: 17 DEC 2021 03:06:02

Highest Band Edge / Full RB

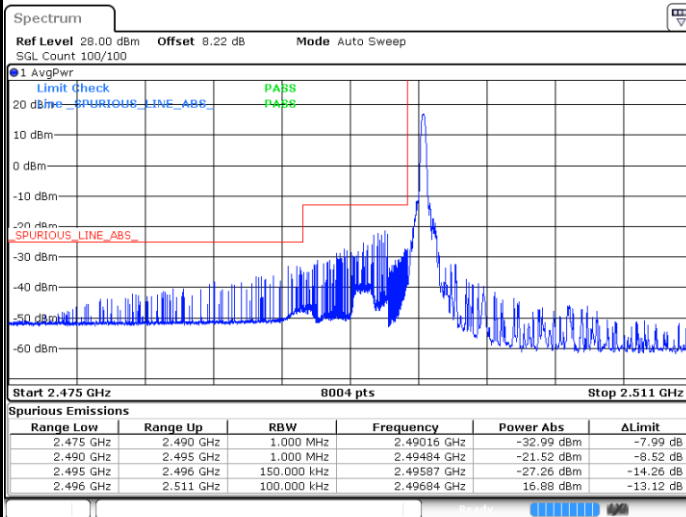


Date: 17 DEC 2021 03:13:39

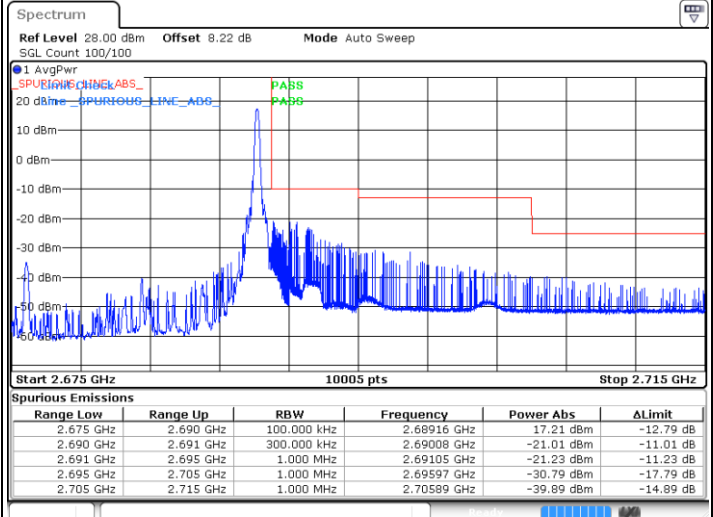


LTE Band 41 / 15MHz / 16QAM

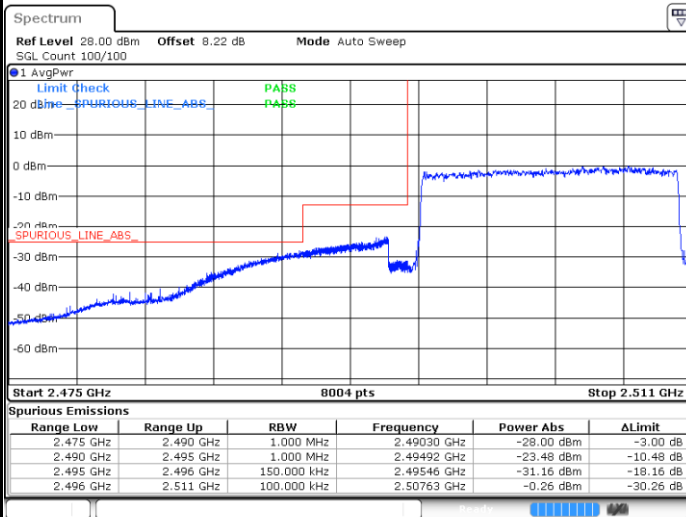
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

