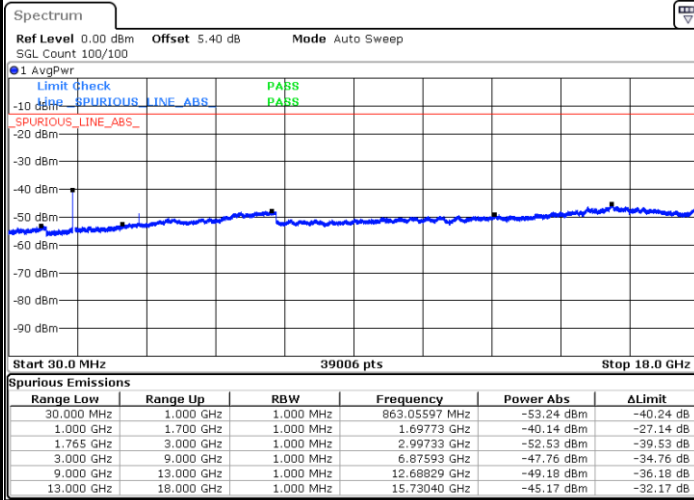




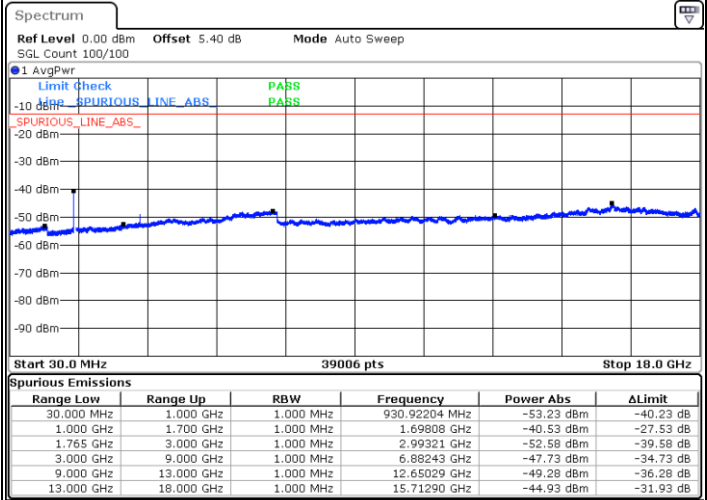
LTE Band 4 / 15MHz

Lowest Channel / QPSK



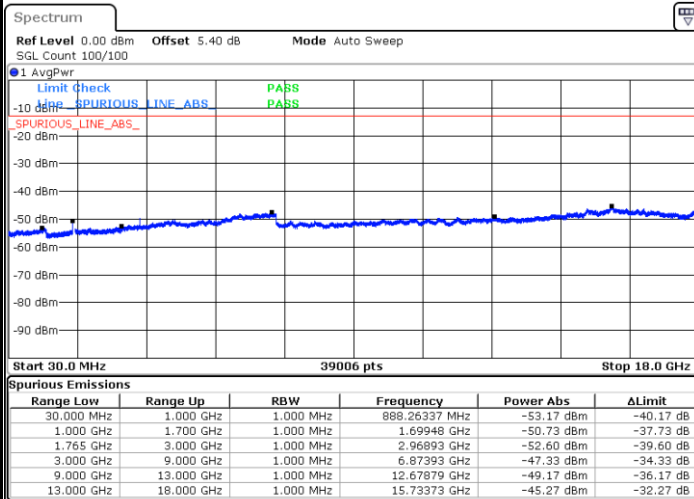
Date: 6 DEC. 2019 07:53:31

Lowest Channel / 16QAM



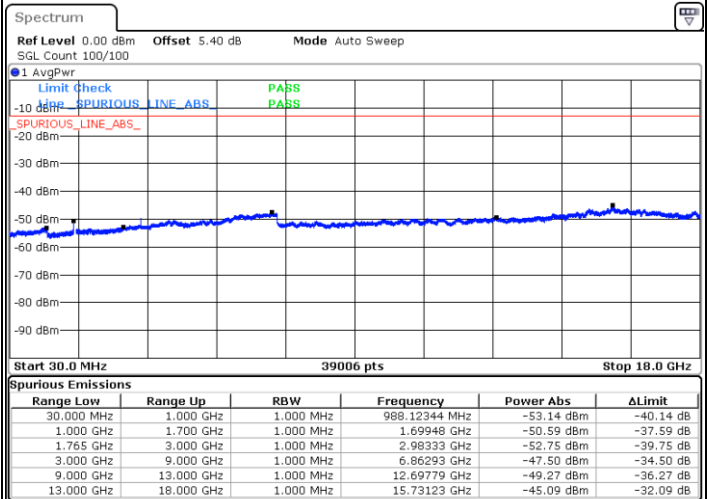
Date: 6 DEC. 2019 07:54:26

Middle Channel / QPSK



Date: 6 DEC. 2019 07:56:01

Middle Channel / 16QAM

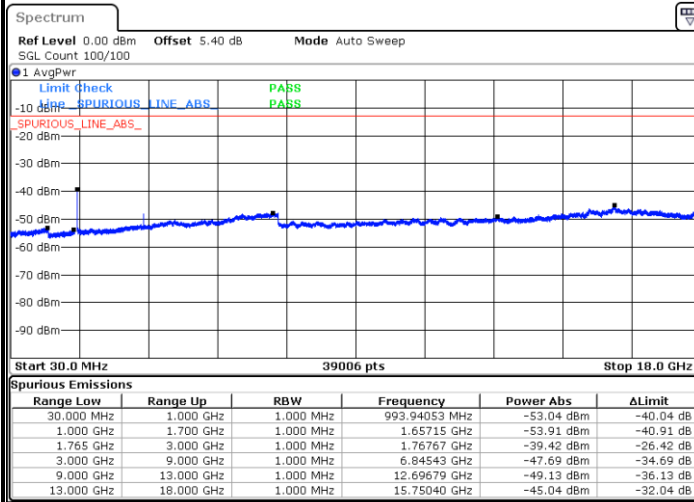


Date: 6 DEC. 2019 07:56:55



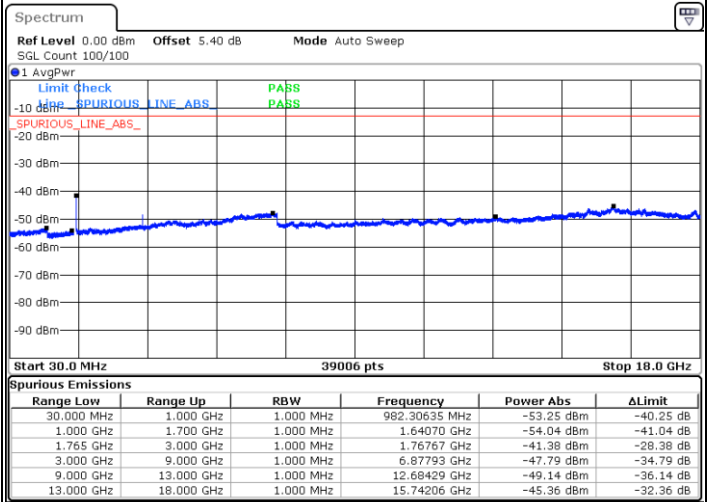
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 6 DEC. 2019 08:03:00

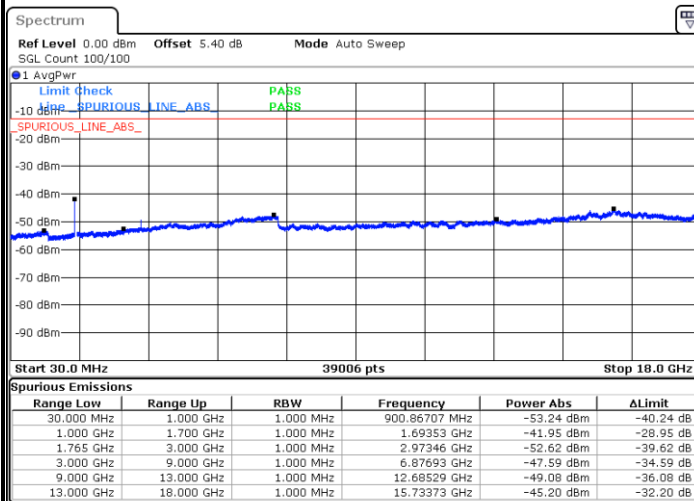
Highest Channel / 16QAM



Date: 6 DEC. 2019 08:03:54

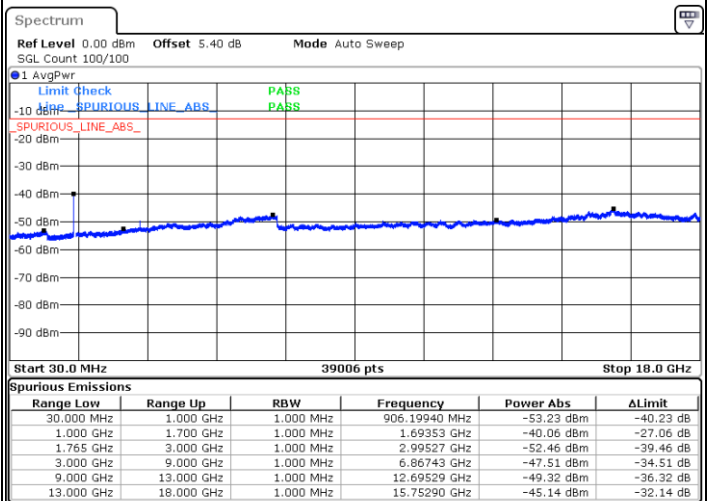
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 6 DEC. 2019 08:09:59

Lowest Channel / 16QAM

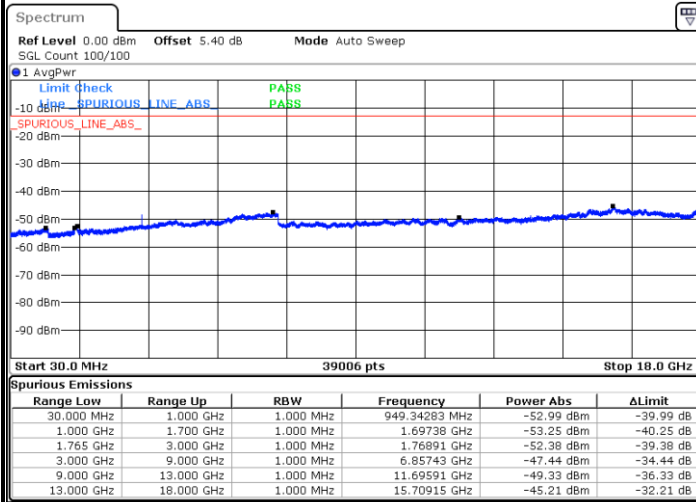


Date: 6 DEC. 2019 08:10:53



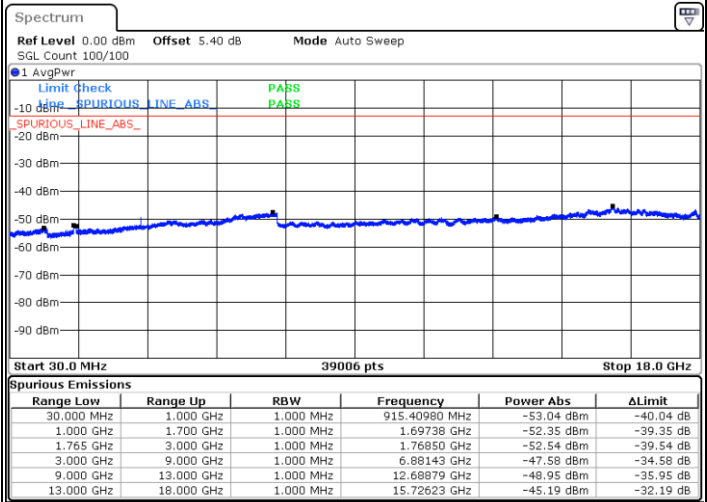
LTE Band 4 / 20MHz

Middle Channel / QPSK



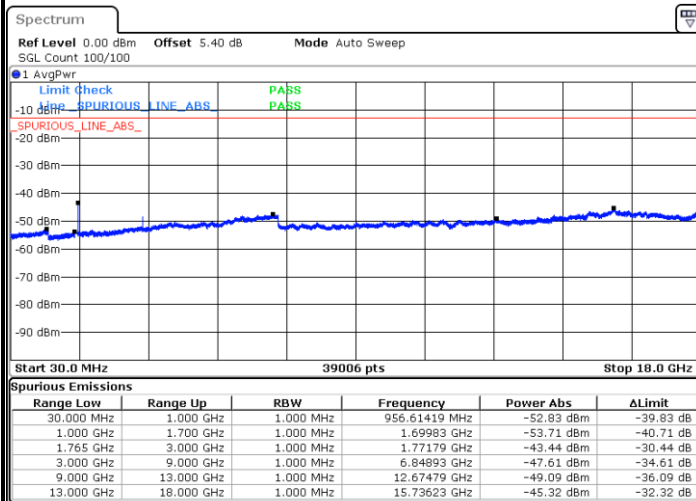
Date: 6 DEC. 2019 08:12:28

Middle Channel / 16QAM



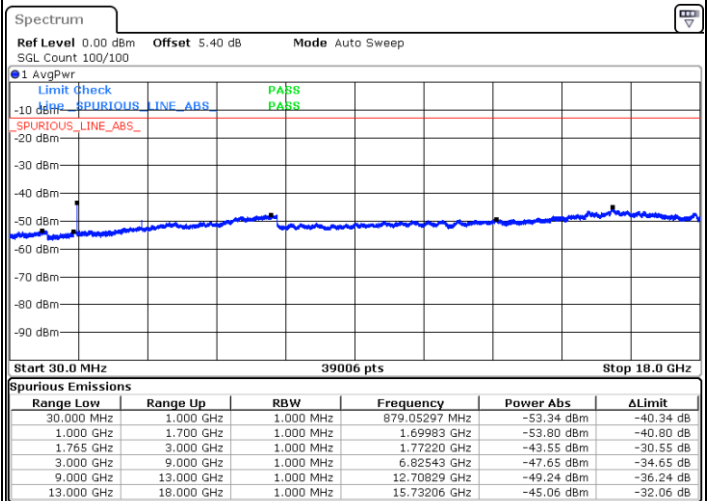
Date: 6 DEC. 2019 08:13:22

Highest Channel / QPSK



Date: 6 DEC. 2019 08:19:26

Highest Channel / 16QAM



Date: 6 DEC. 2019 08:20:21

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

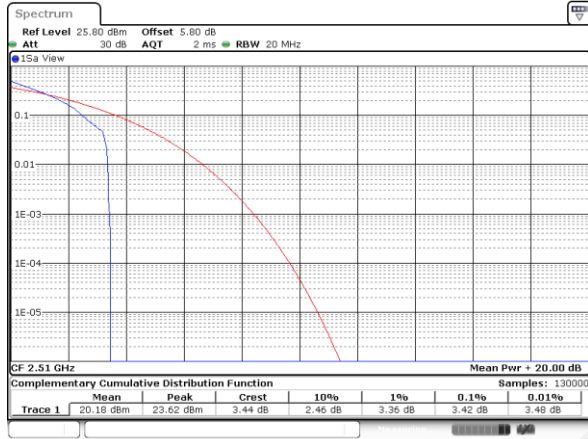
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.52	5.13	5.91	PASS
Middle CH	3.57	4.52	5.04	5.88	
Highest CH	3.51	4.70	4.75	5.91	

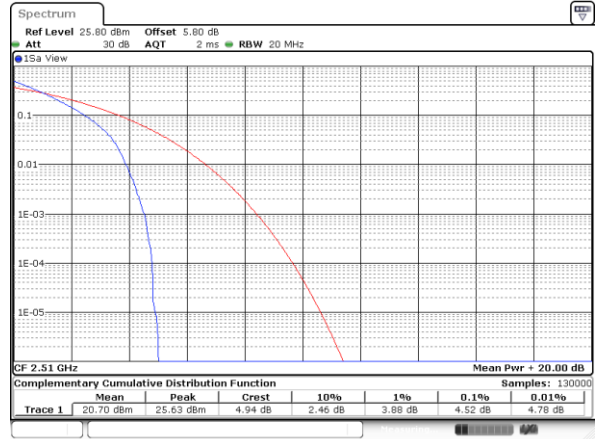


LTE Band 7 / 20MHz / QPSK

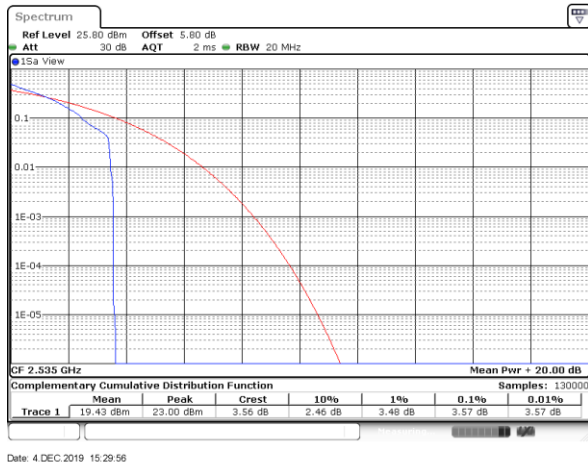
Lowest Channel / 1RB



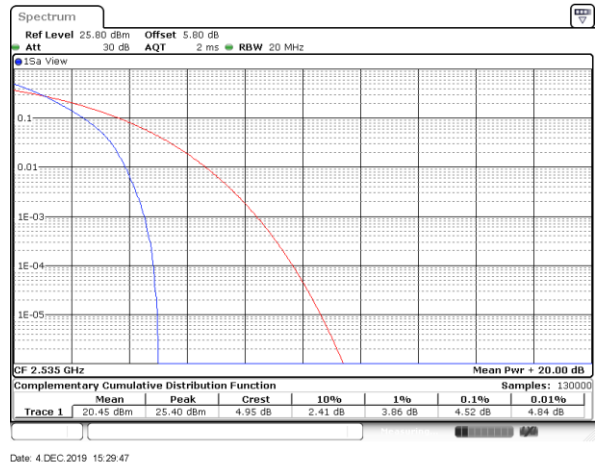
Lowest Channel / Full RB



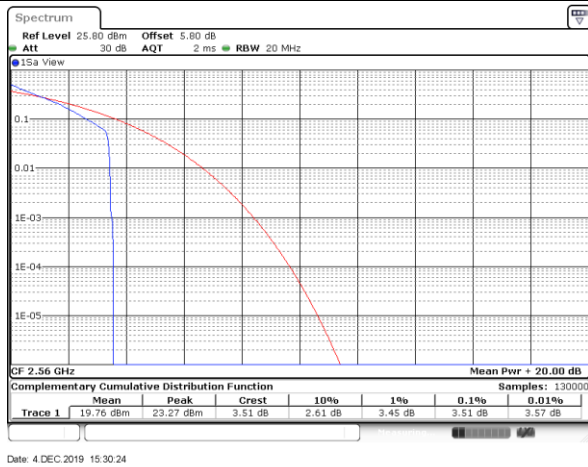
Middle Channel / 1RB



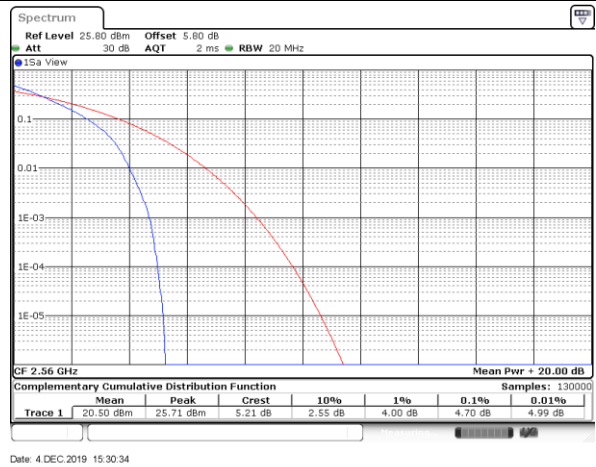
Middle Channel / Full RB



Highest Channel / 1RB



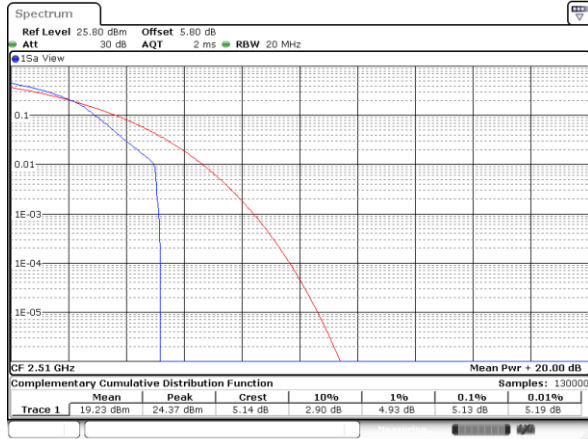
Highest Channel / Full RB



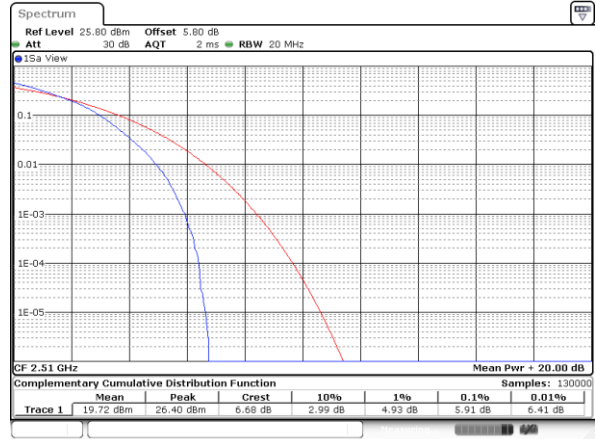


LTE Band 7 / 20MHz / 16QAM

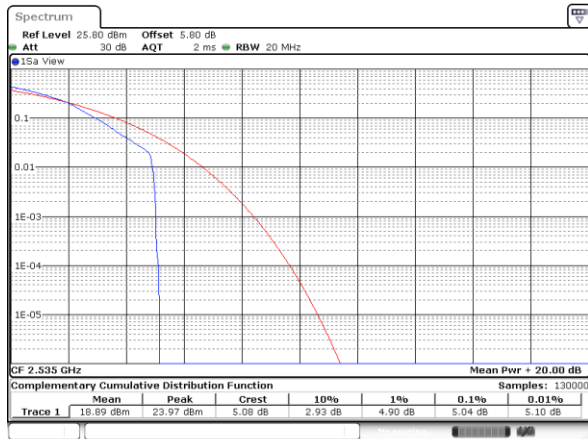
Lowest Channel / 1RB



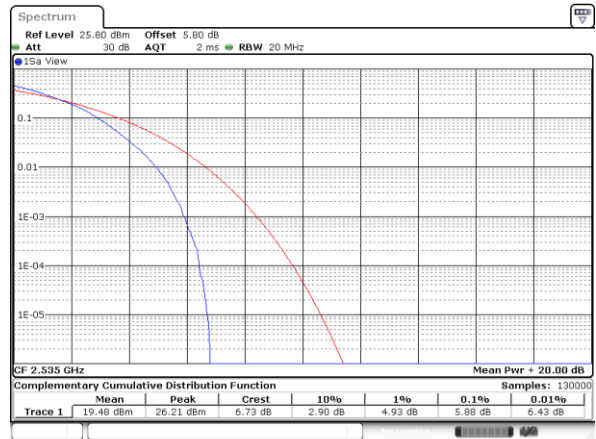
Lowest Channel / Full RB



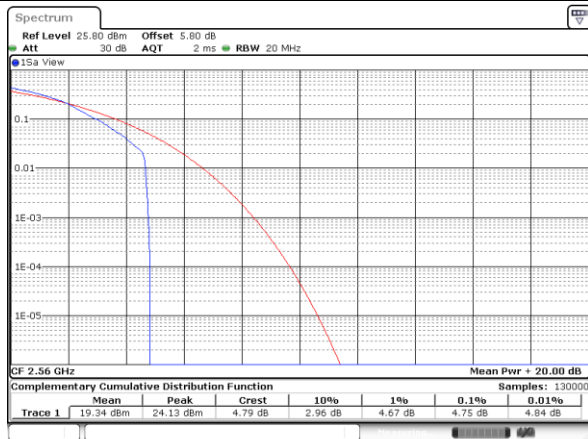
Middle Channel / 1RB



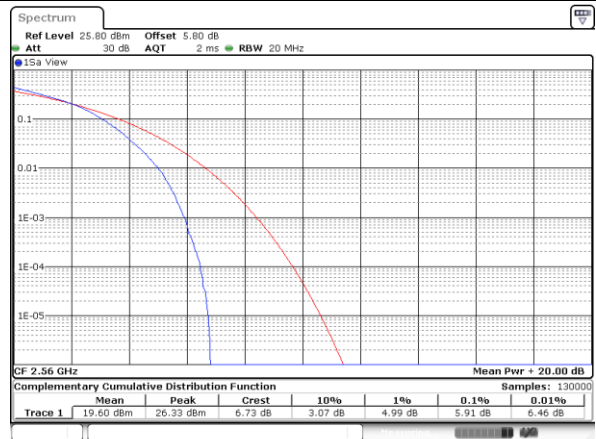
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





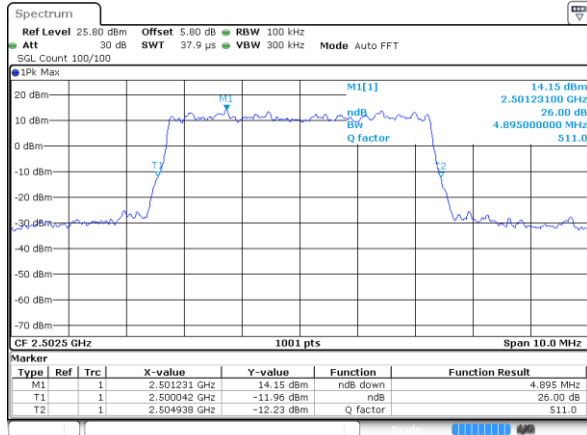
26dB Bandwidth

Mode												
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.895	4.965	9.77	9.71	14.236	14.236	20.1	20.1				
Middle CH	4.985	4.925	9.79	9.79	14.565	14.176	20.14	20.14				
Highest CH	4.915	4.825	9.89	9.73	14.206	14.296	20.1	20.3				



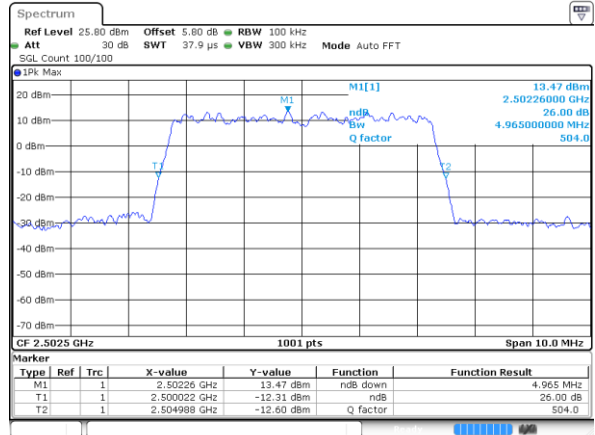
LTE Band 7

Lowest Channel / 5MHz / QPSK



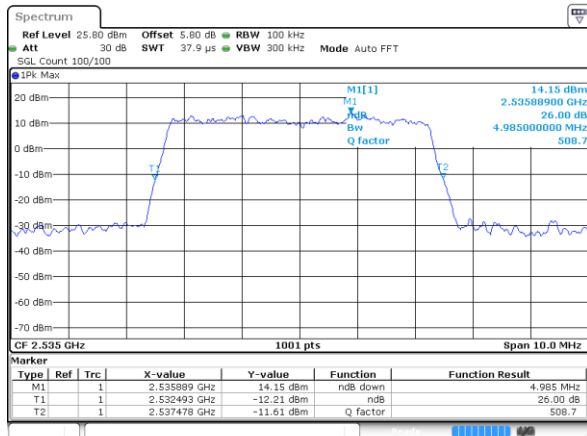
Date: 4 DEC 2019 11:26:37

Lowest Channel / 5MHz / 16QAM



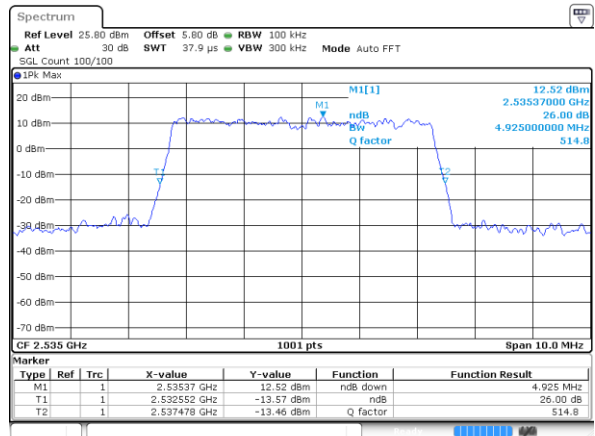
Date: 4 DEC 2019 11:26:57

Middle Channel / 5MHz / QPSK



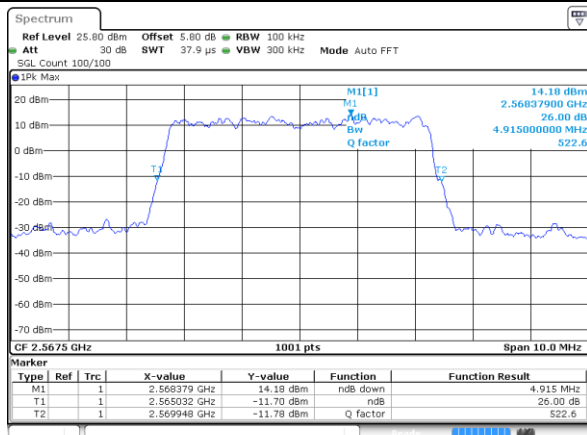
Date: 4 DEC 2019 11:27:36

Middle Channel / 5MHz / 16QAM



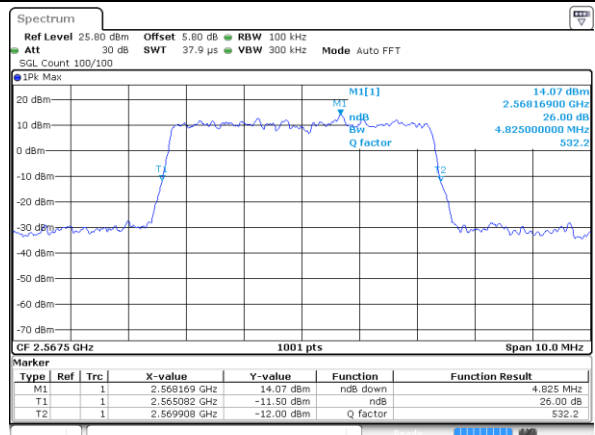
Date: 4 DEC 2019 11:27:16

Highest Channel / 5MHz / QPSK



Date: 4 DEC 2019 11:27:56

Highest Channel / 5MHz / 16QAM

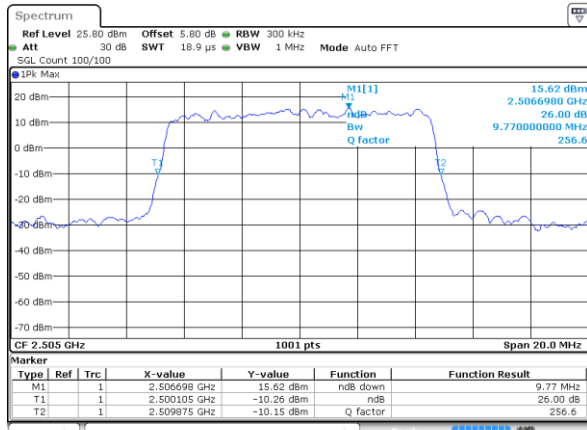


Date: 4 DEC 2019 11:28:16



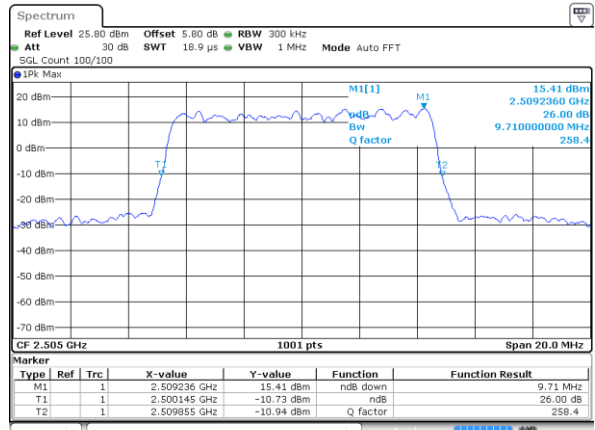
LTE Band 7

Lowest Channel / 10MHz / QPSK



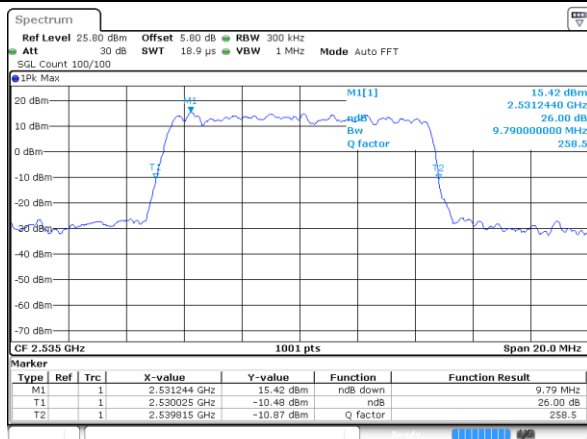
Date: 4 DEC 2019 11:43:07

Lowest Channel / 10MHz / 16QAM



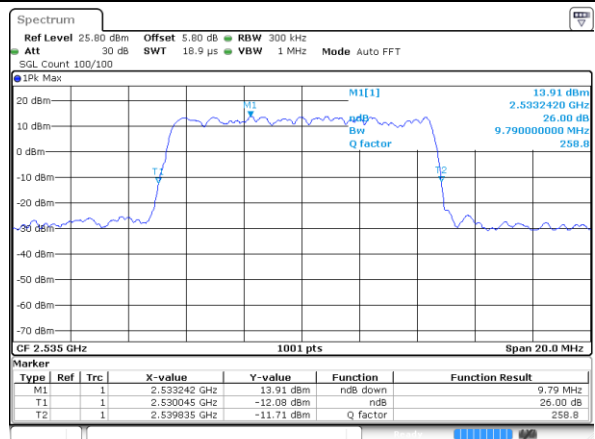
Date: 4 DEC 2019 11:43:27

Middle Channel / 10MHz / QPSK



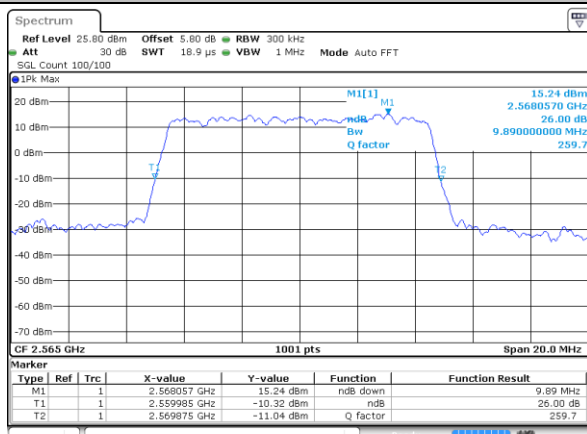
Date: 4 DEC 2019 11:44:07

Middle Channel / 10MHz / 16QAM



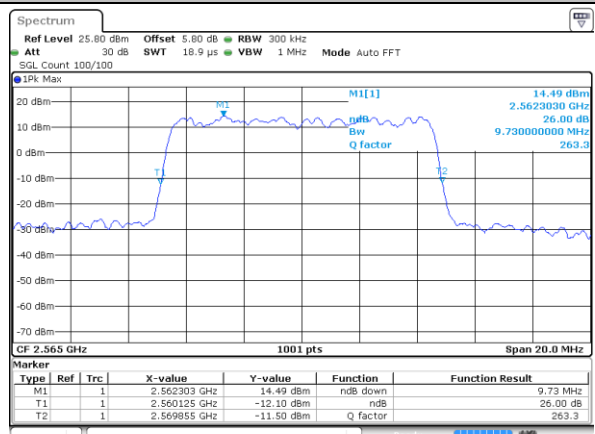
Date: 4 DEC 2019 11:43:47

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 11:44:27

Highest Channel / 10MHz / 16QAM

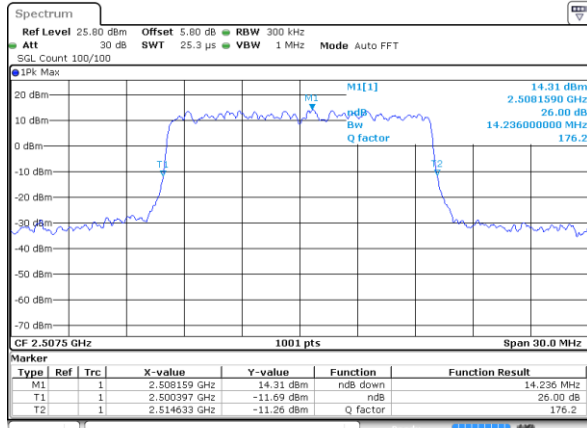


Date: 4 DEC 2019 11:44:47



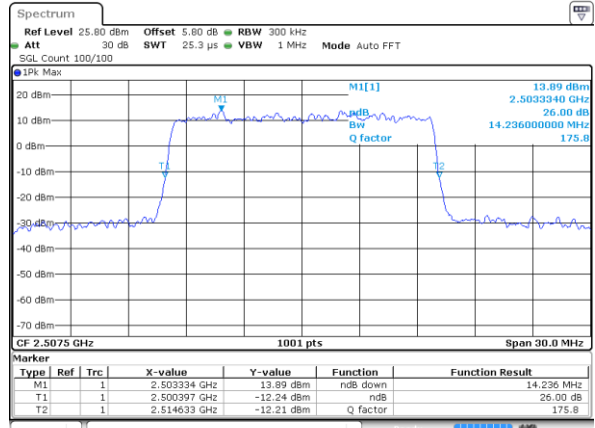
LTE Band 7

Lowest Channel / 15MHz / QPSK



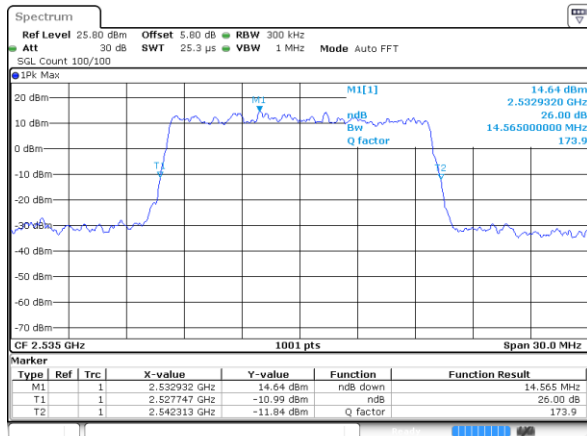
Date: 4 DEC 2019 11:59:57

Lowest Channel / 15MHz / 16QAM



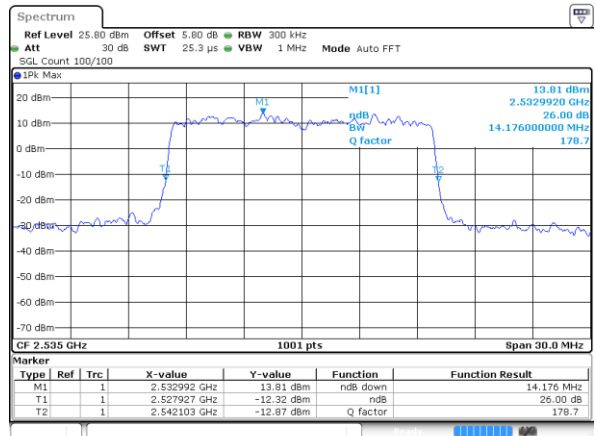
Date: 4 DEC 2019 11:59:37

Middle Channel / 15MHz / QPSK



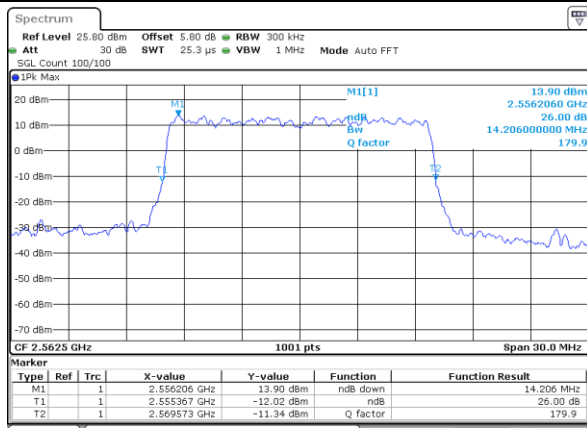
Date: 4 DEC 2019 12:00:17

Middle Channel / 15MHz / 16QAM



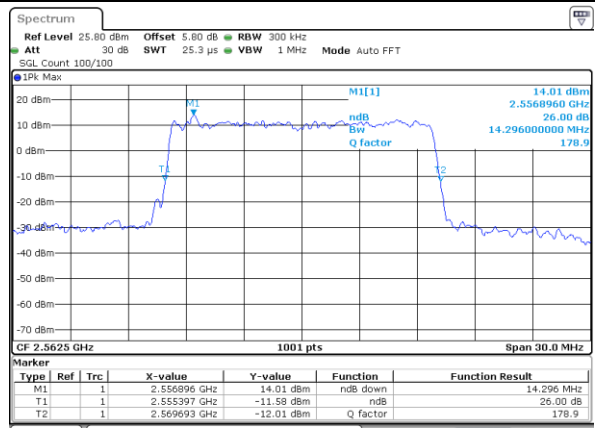
Date: 4 DEC 2019 12:00:36

Highest Channel / 15MHz / QPSK



Date: 4 DEC 2019 12:01:16

Highest Channel / 15MHz / 16QAM

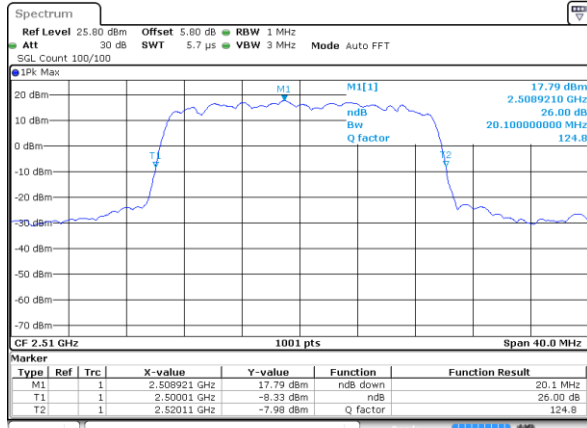


Date: 4 DEC 2019 12:00:56

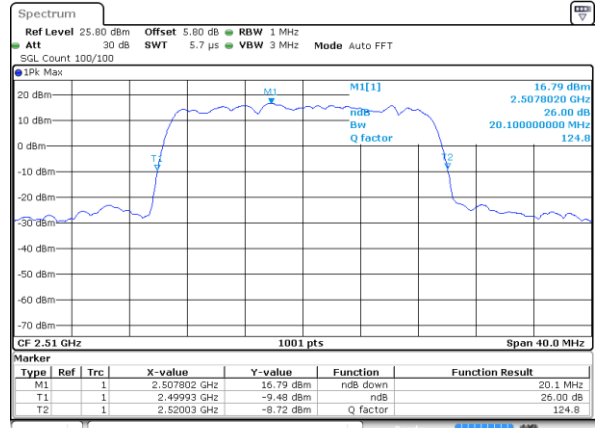


LTE Band 7

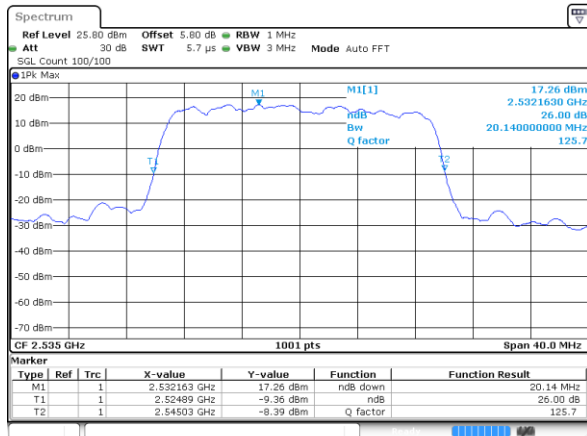
Lowest Channel / 20MHz / QPSK



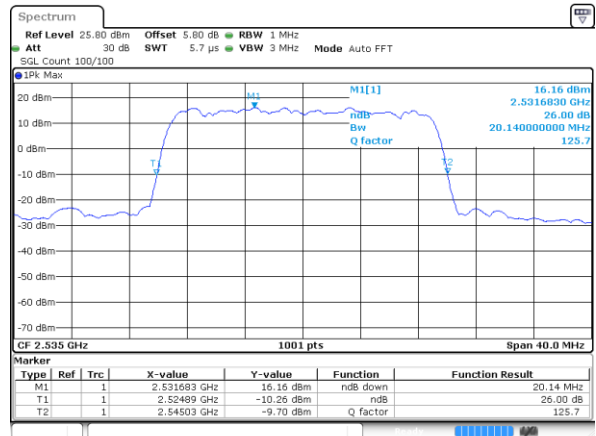
Lowest Channel / 20MHz / 16QAM



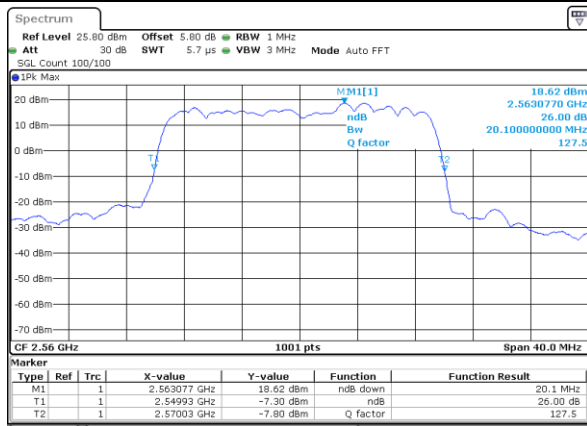
Middle Channel / 20MHz / QPSK



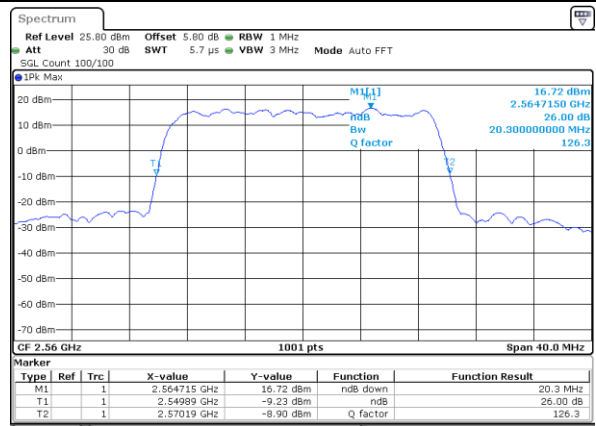
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





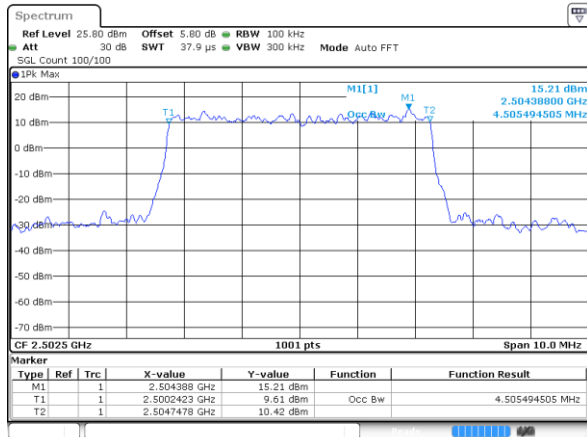
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.51	4.50	9.07	9.03	13.43	13.40	18.34	18.18				
Middle CH	4.51	4.50	9.09	8.99	13.46	13.43	18.38	18.38				
Highest CH	4.48	4.49	9.05	9.01	13.40	13.46	18.26	18.38				

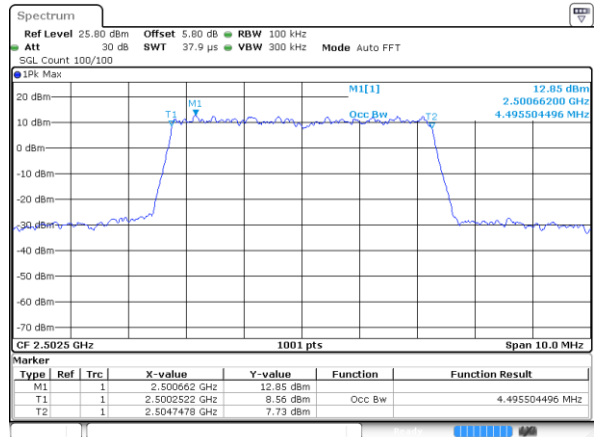


LTE Band 7

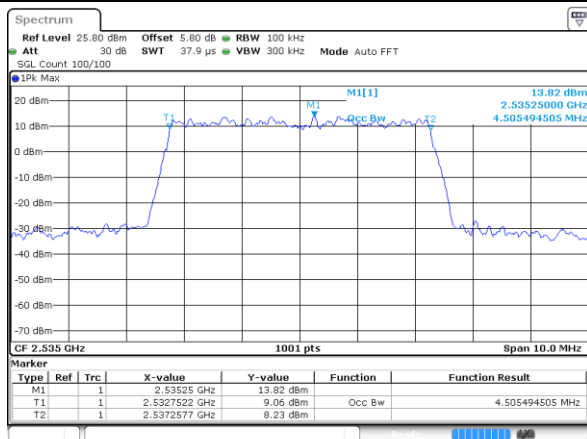
Lowest Channel / 5MHz / QPSK



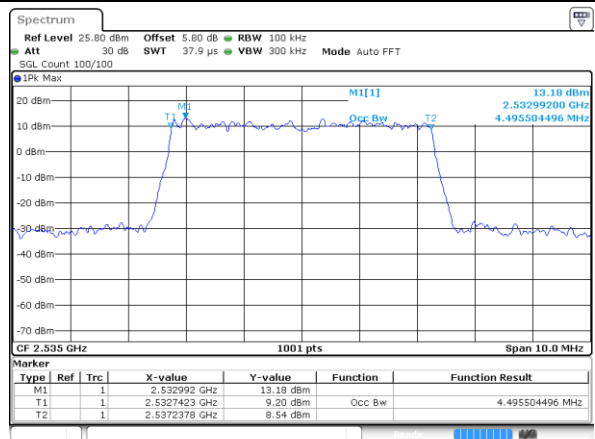
Lowest Channel / 5MHz / 16QAM



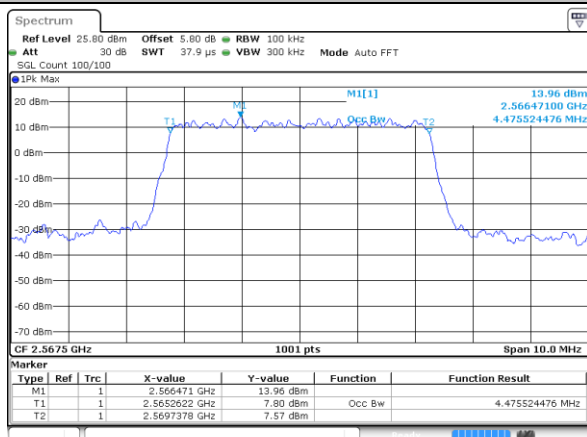
Middle Channel / 5MHz / QPSK



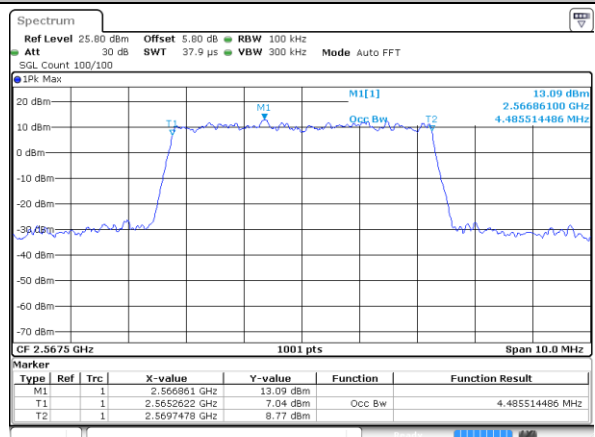
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



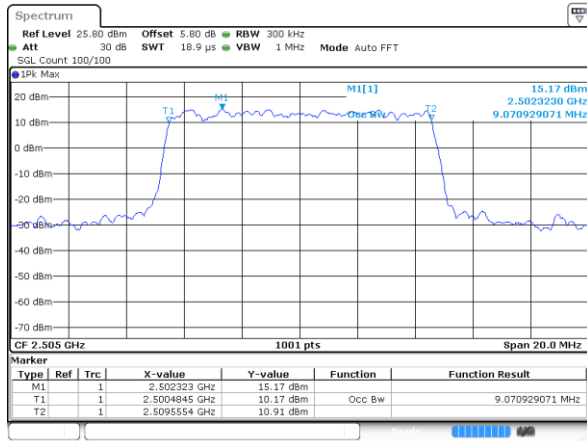
Highest Channel / 5MHz / 16QAM



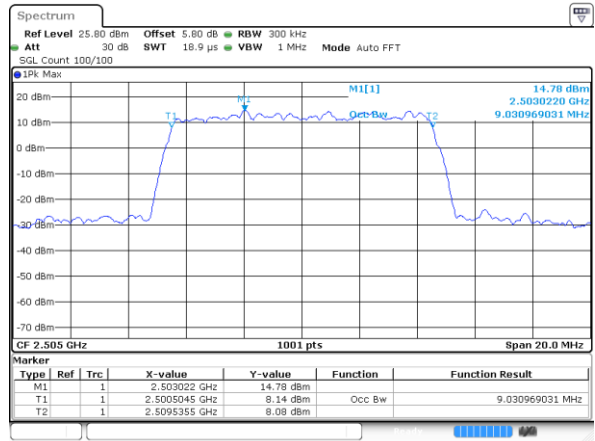


LTE Band 7

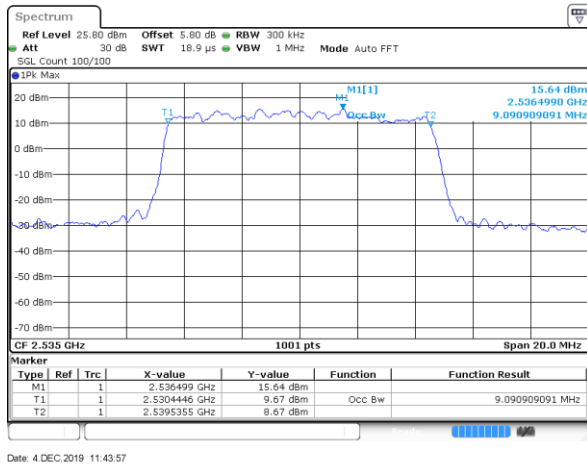
Lowest Channel / 10MHz / QPSK



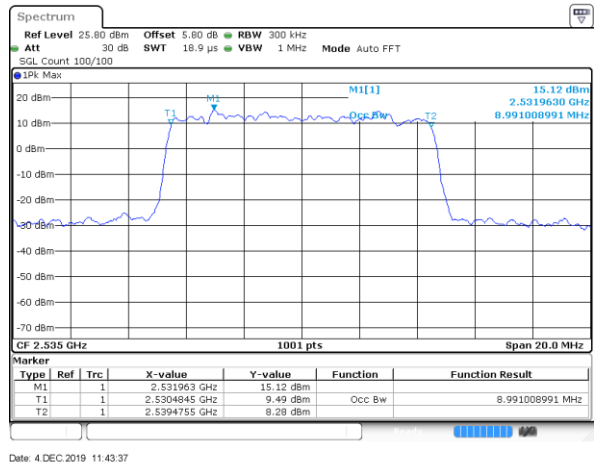
Lowest Channel / 10MHz / 16QAM



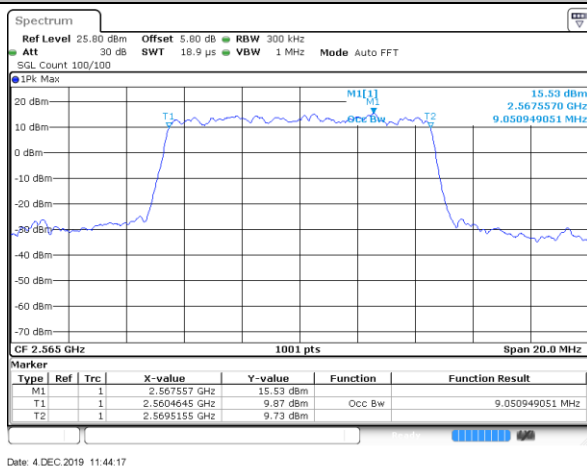
Middle Channel / 10MHz / QPSK



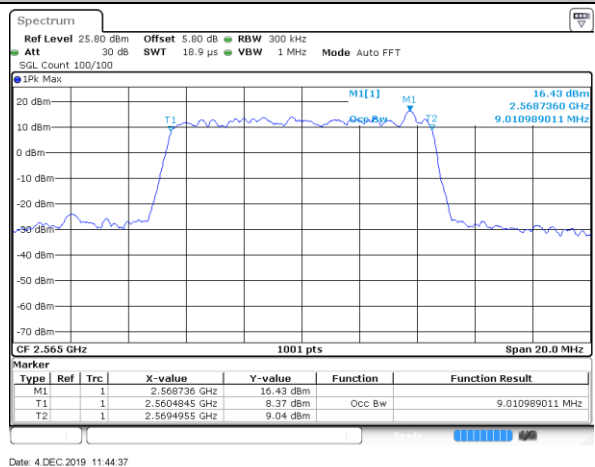
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



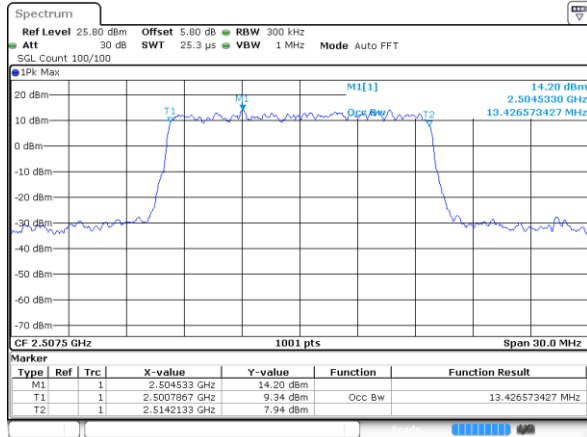
Highest Channel / 10MHz / 16QAM



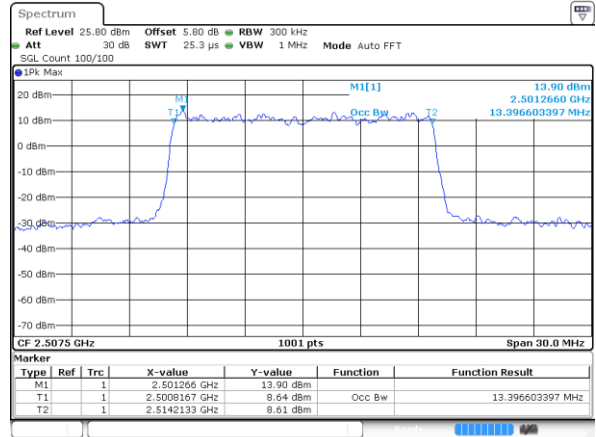


LTE Band 7

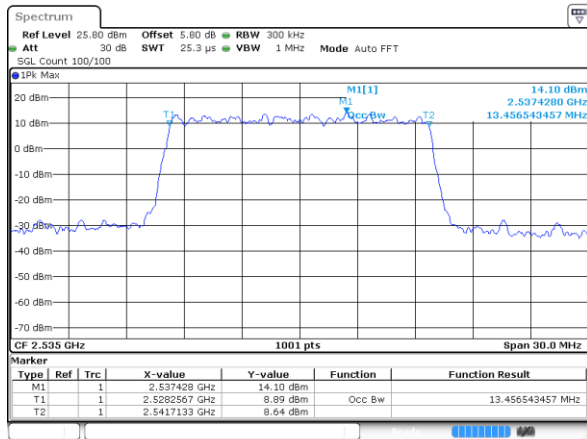
Lowest Channel / 15MHz / QPSK



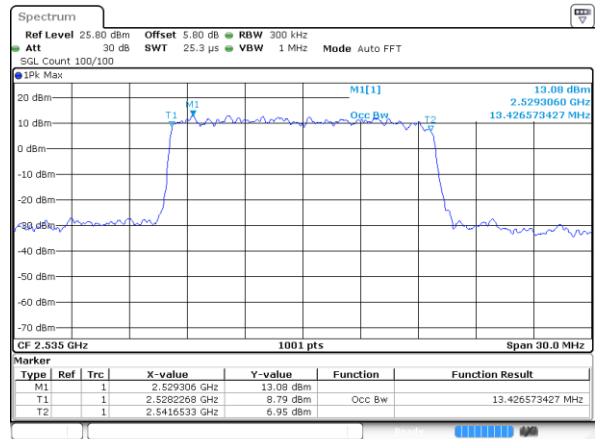
Lowest Channel / 15MHz / 16QAM



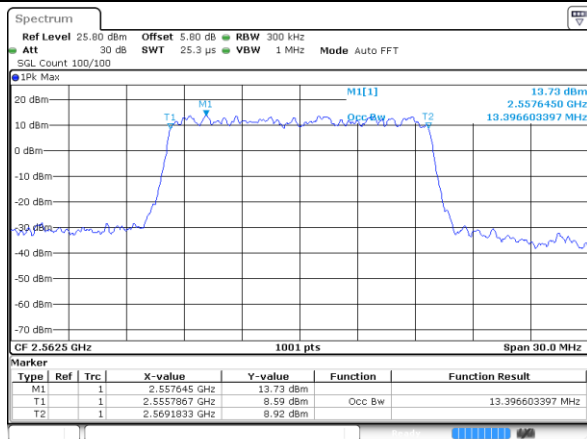
Middle Channel / 15MHz / QPSK



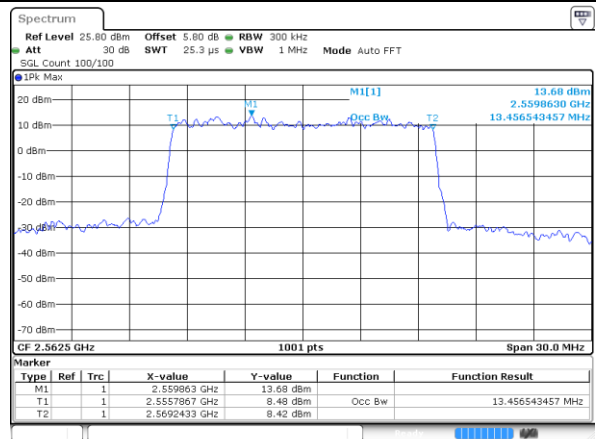
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



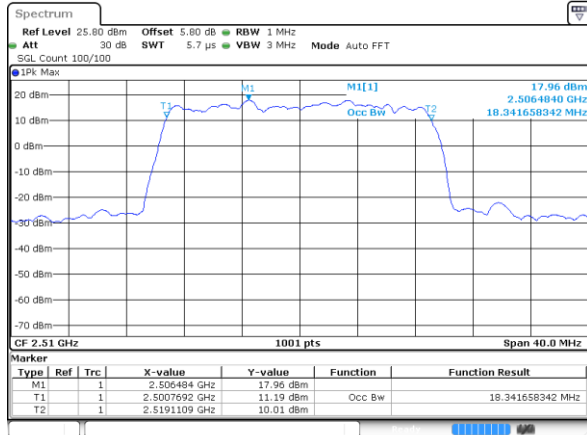
Highest Channel / 15MHz / 16QAM



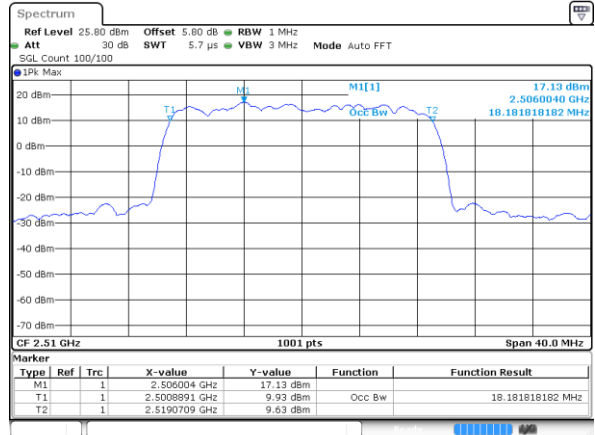


LTE Band 7

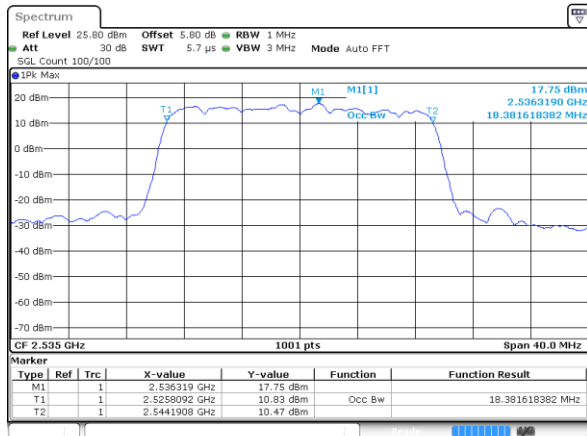
Lowest Channel / 20MHz / QPSK



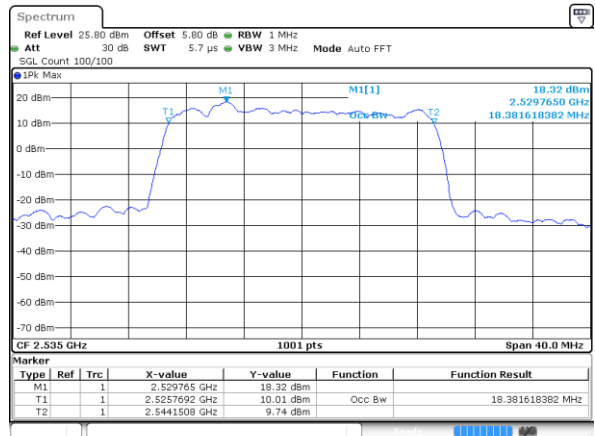
Lowest Channel / 20MHz / 16QAM



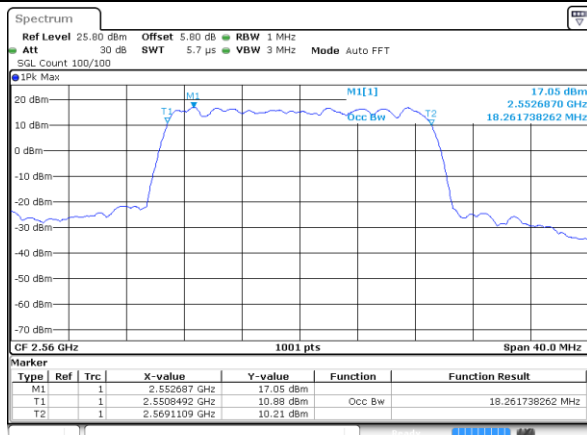
Middle Channel / 20MHz / QPSK



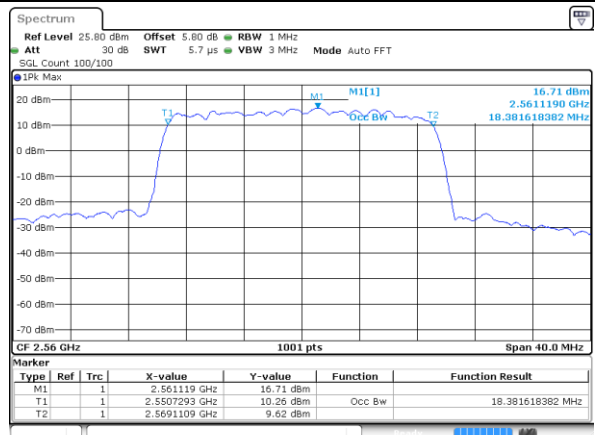
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

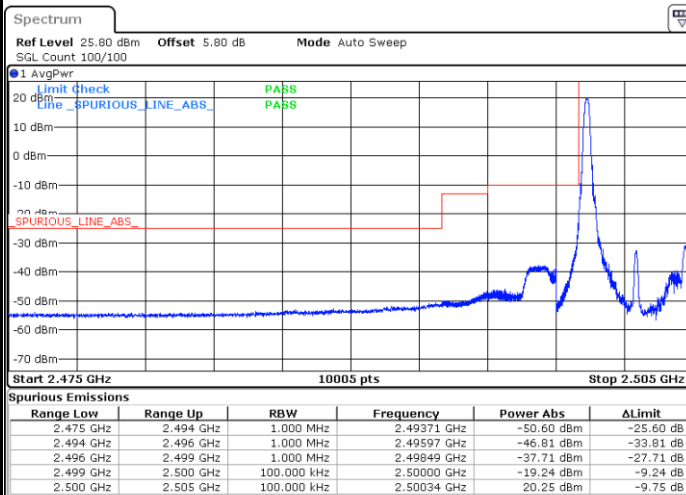




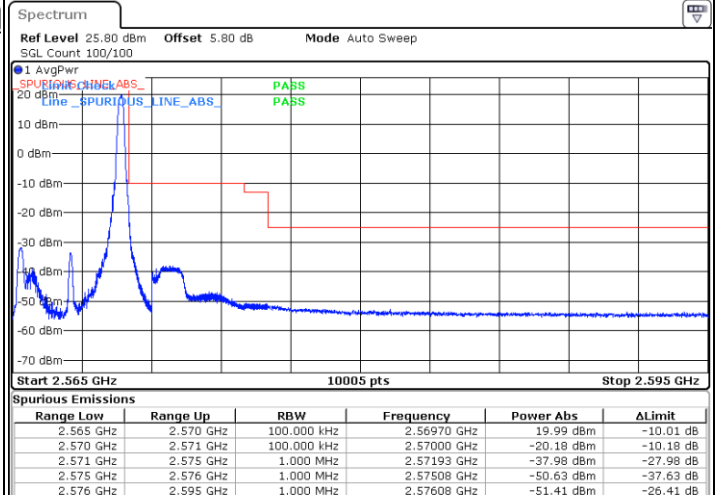
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

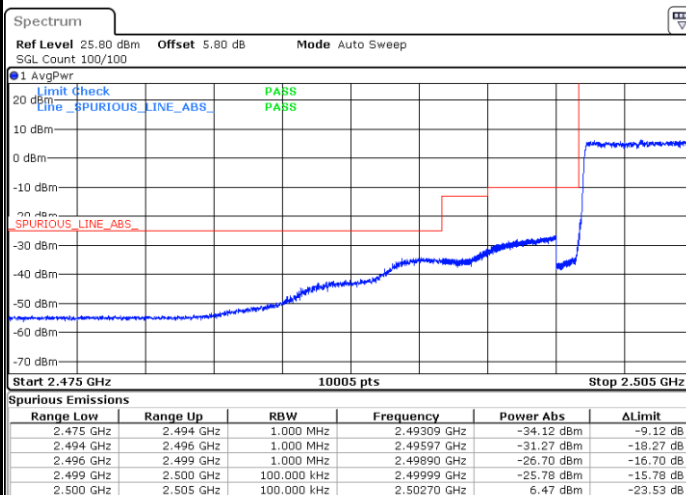
Lowest Band Edge / 1 RB



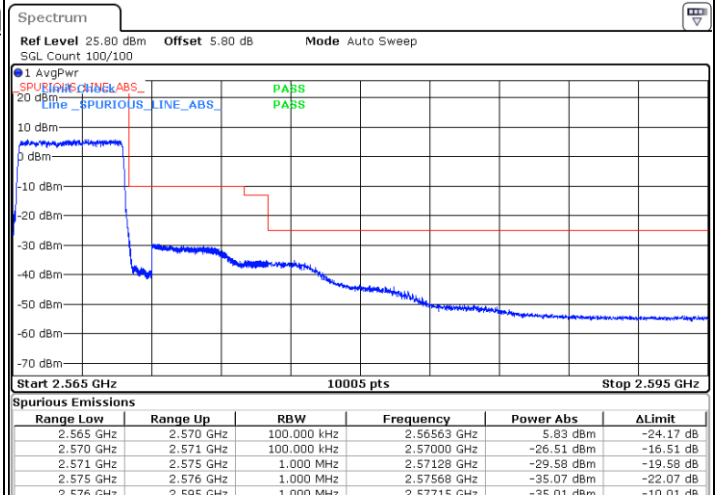
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



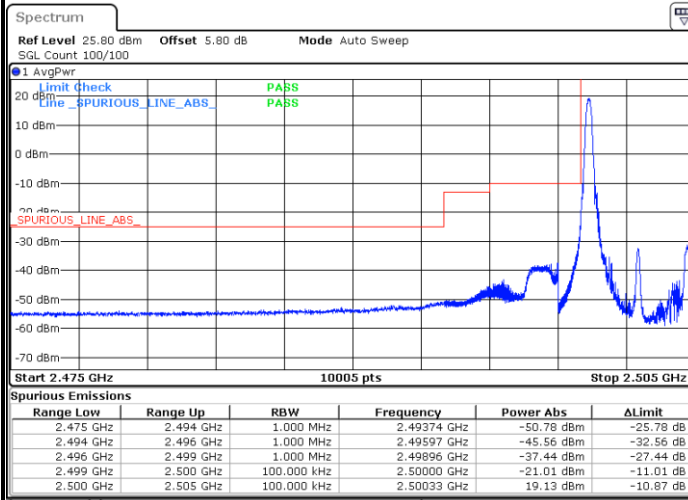
Highest Band Edge / Full RB



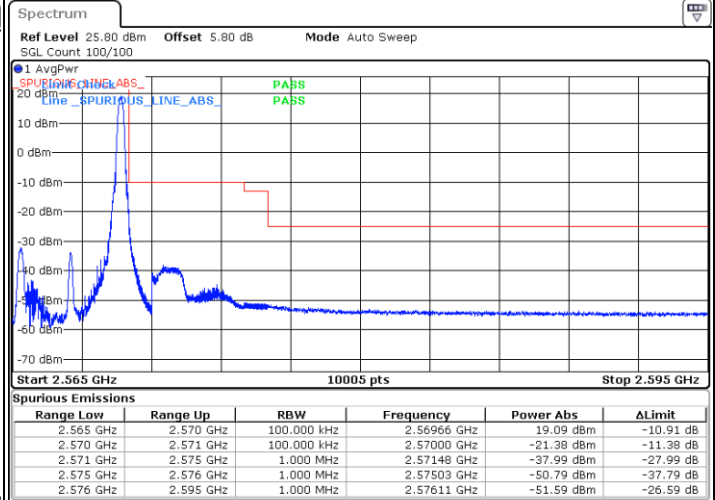


LTE Band 7 / 5MHz / 16QAM

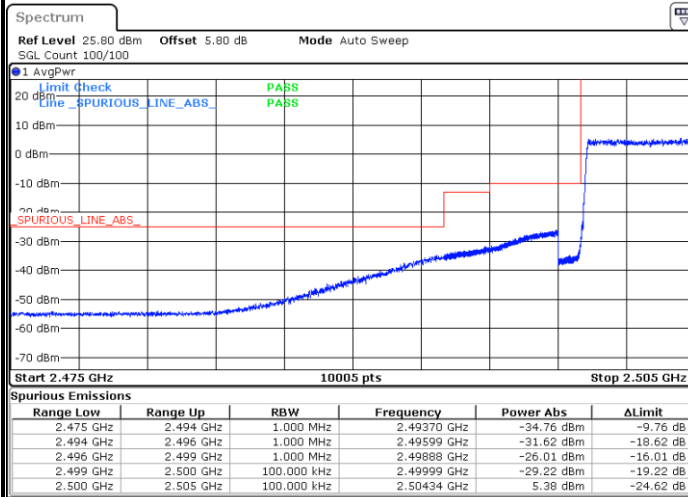
Lowest Band Edge / 1 RB



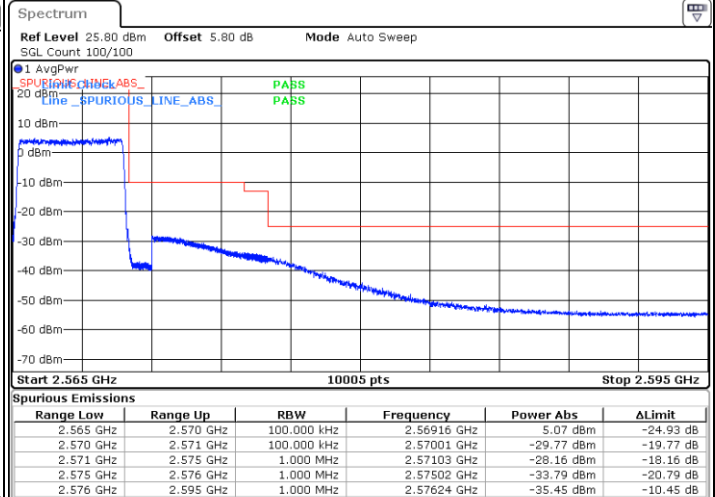
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



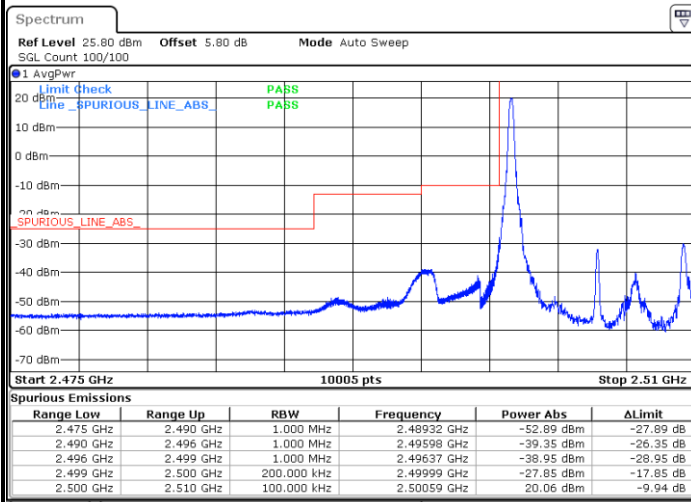
Highest Band Edge / Full RB



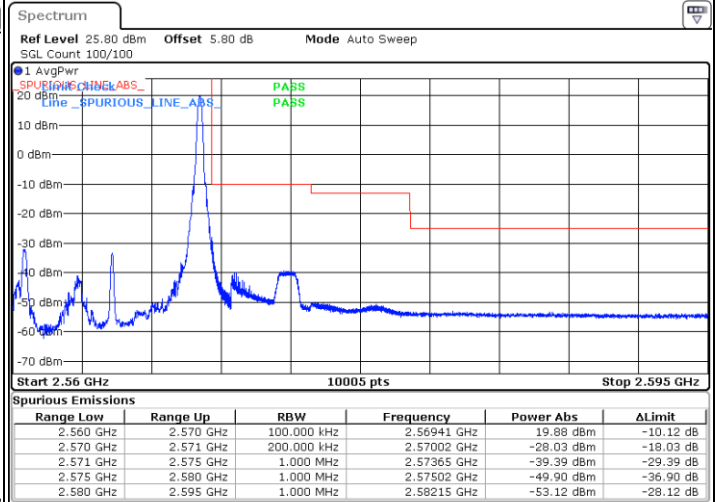


LTE Band 7 / 10MHz / QPSK

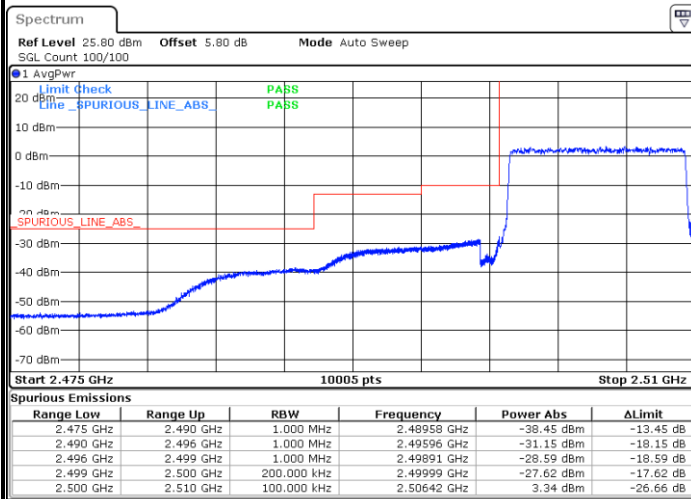
Lowest Band Edge / 1 RB



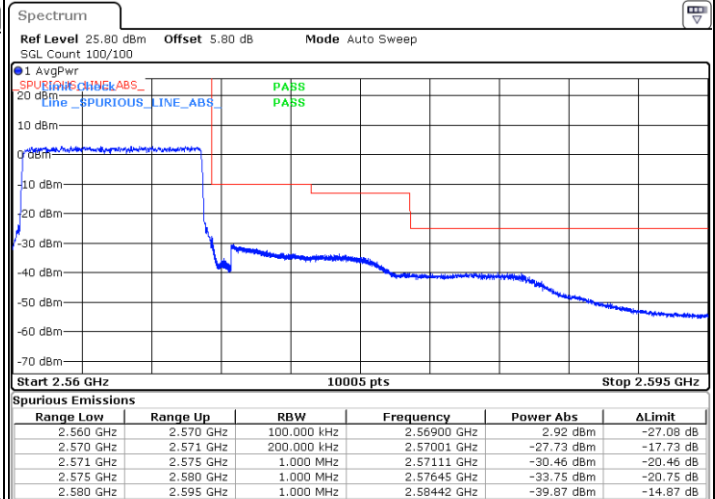
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



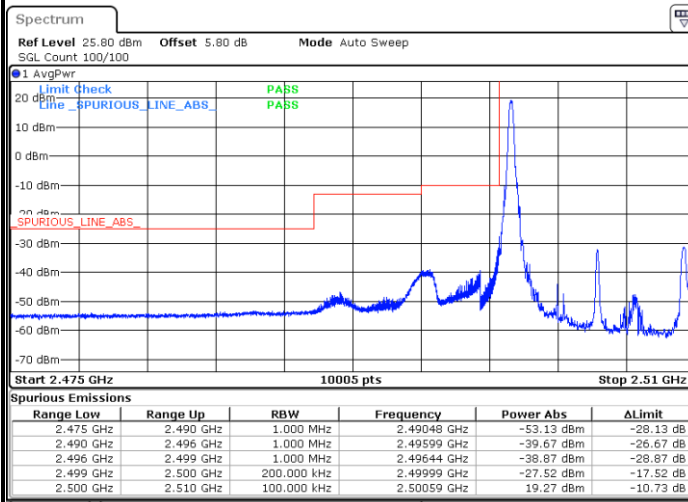
Highest Band Edge / Full RB



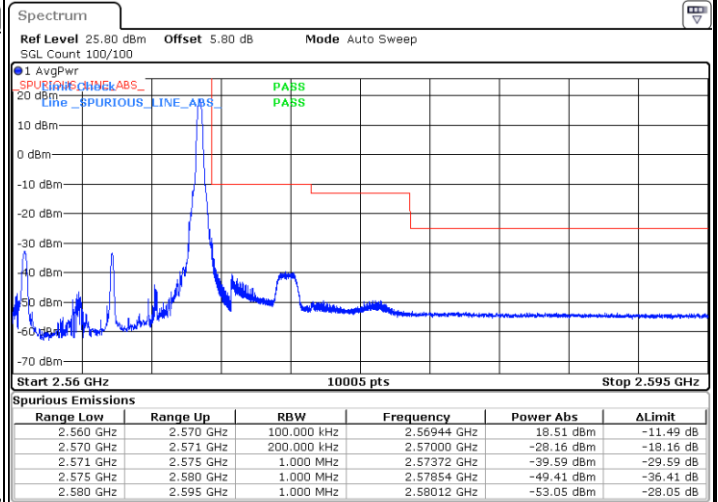


LTE Band 7 / 10MHz / 16QAM

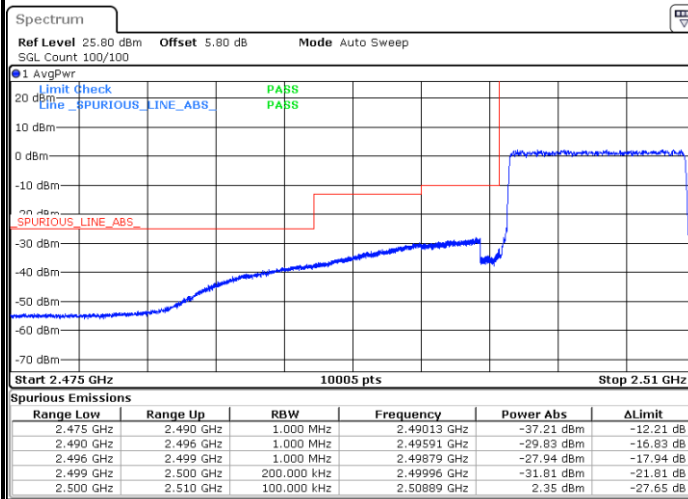
Lowest Band Edge / 1 RB



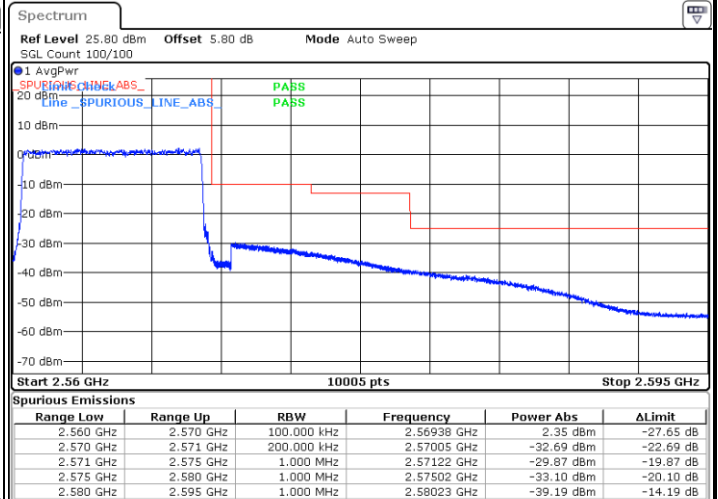
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



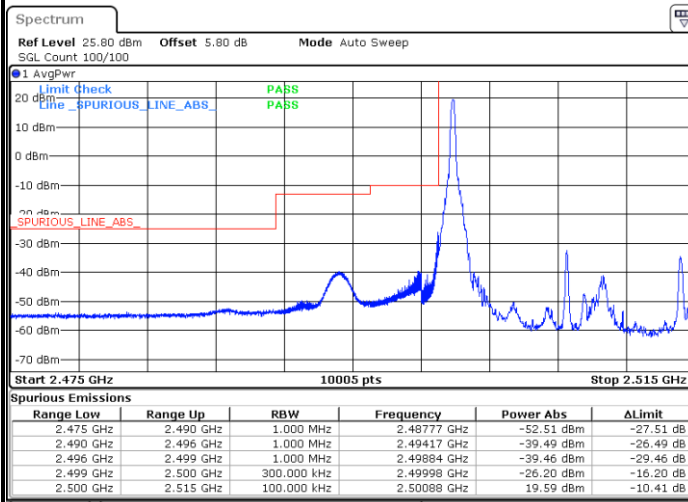
Highest Band Edge / Full RB



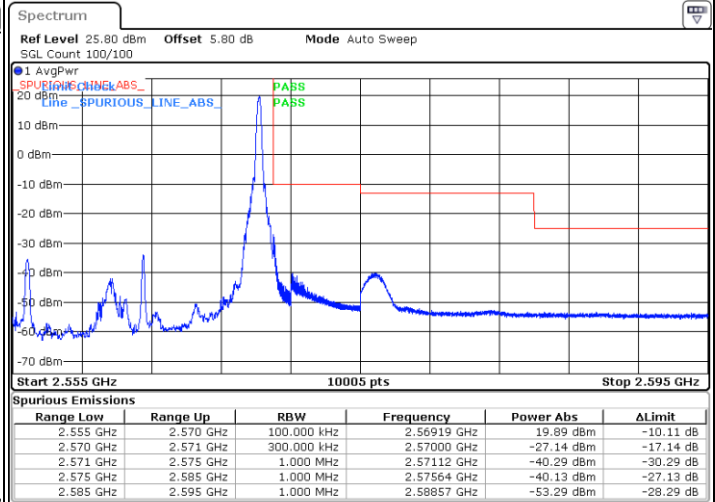


LTE Band 7 / 15MHz / QPSK

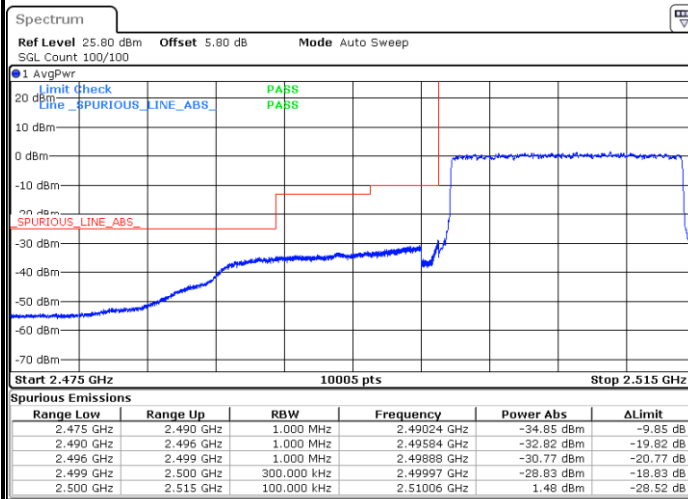
Lowest Band Edge / 1 RB



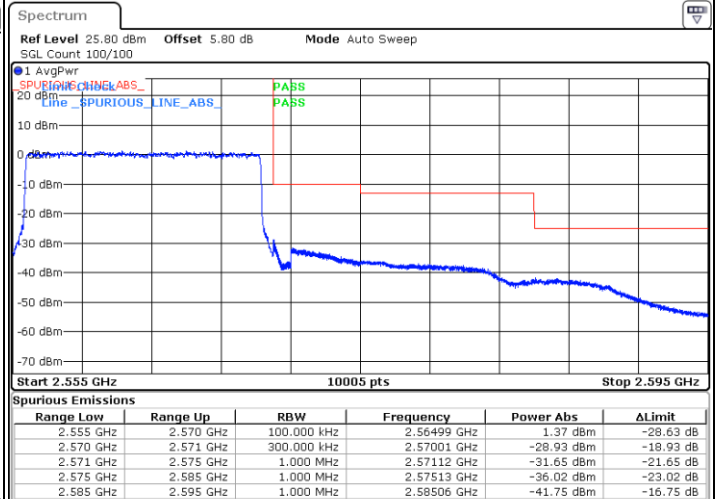
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



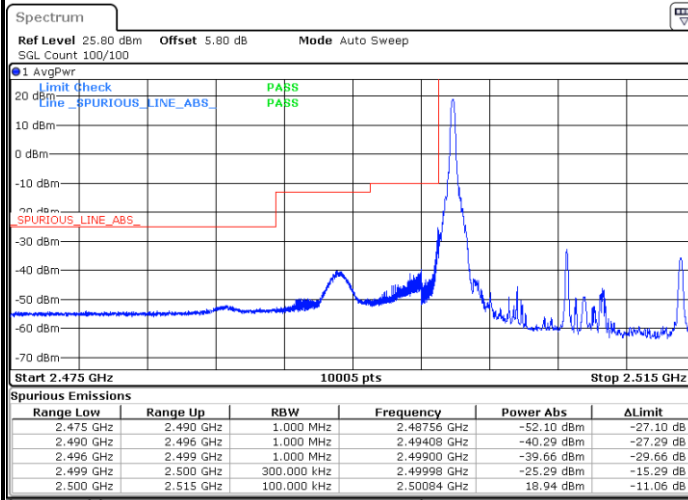
Highest Band Edge / Full RB



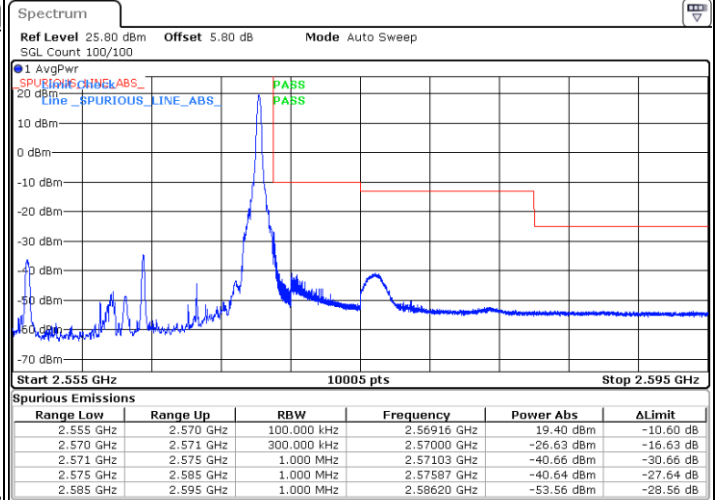


LTE Band 7 / 15MHz / 16QAM

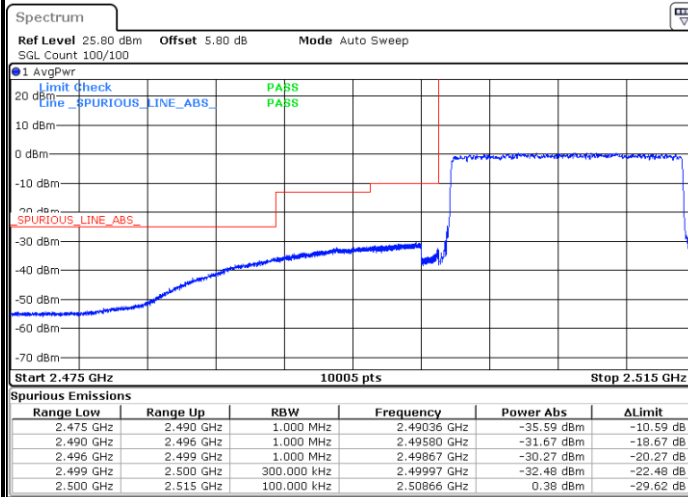
Lowest Band Edge / 1 RB



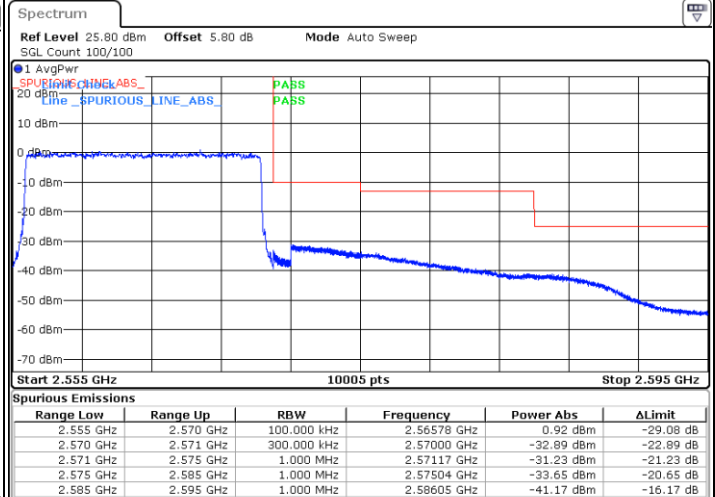
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



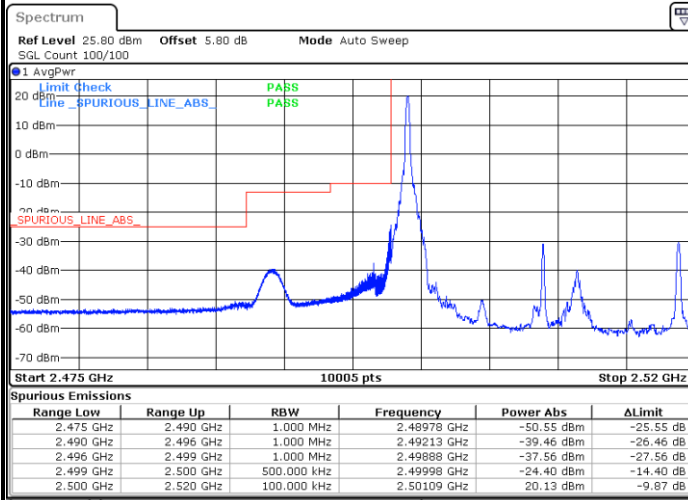
Highest Band Edge / Full RB



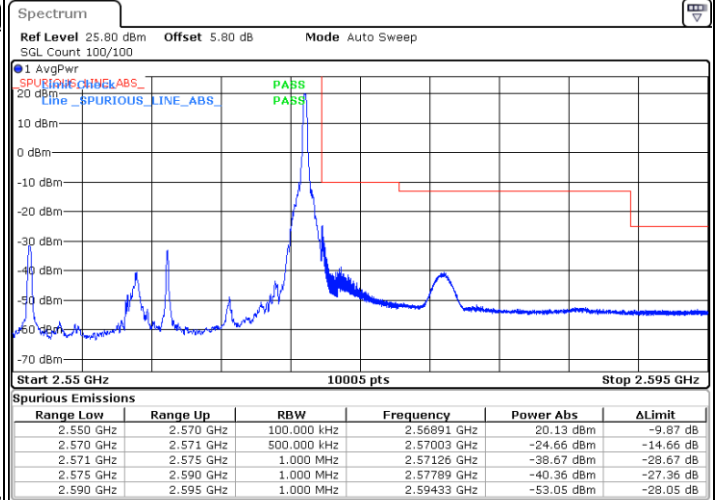


LTE Band 7 / 20MHz / QPSK

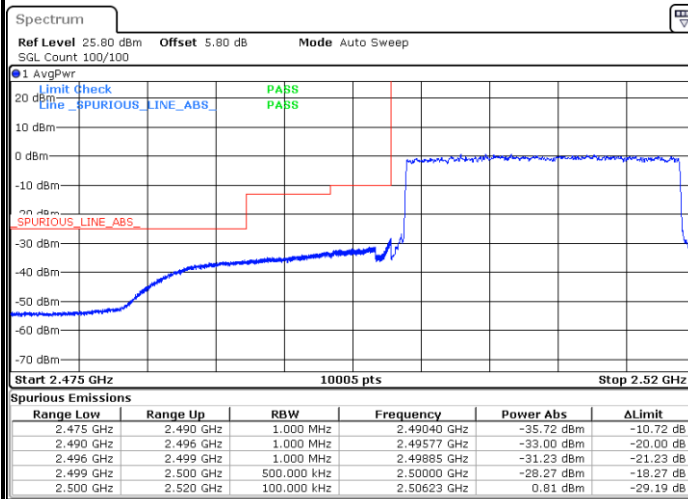
Lowest Band Edge / 1 RB



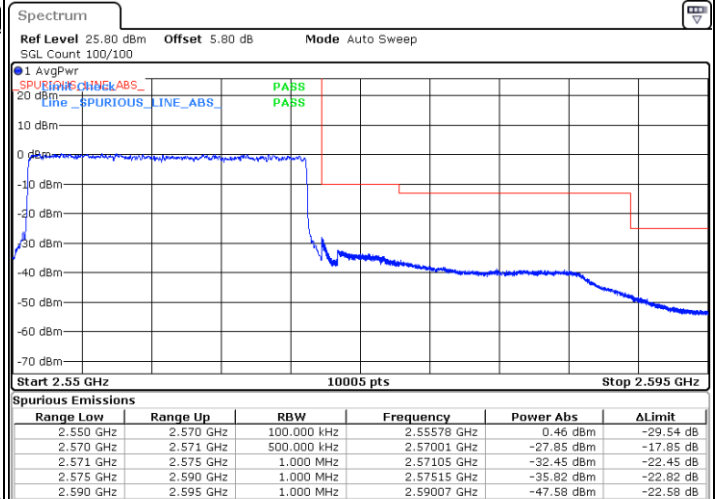
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



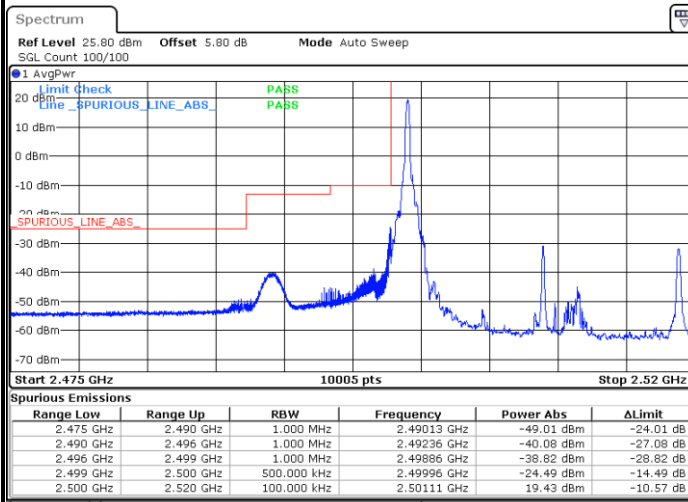
Highest Band Edge / Full RB



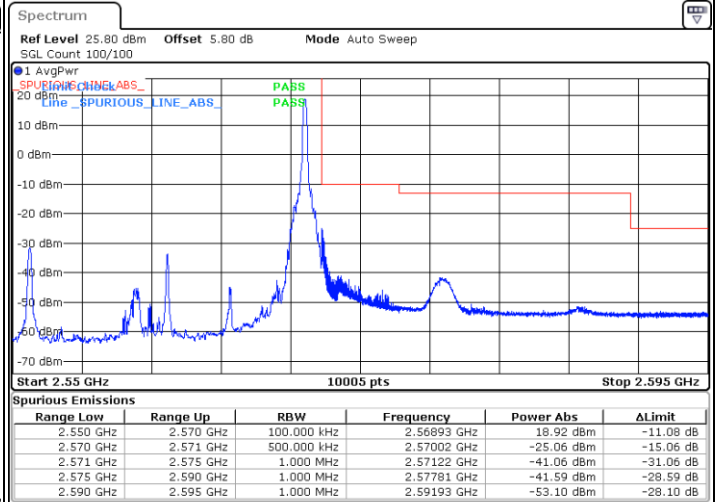


LTE Band 7 / 20MHz / 16QAM

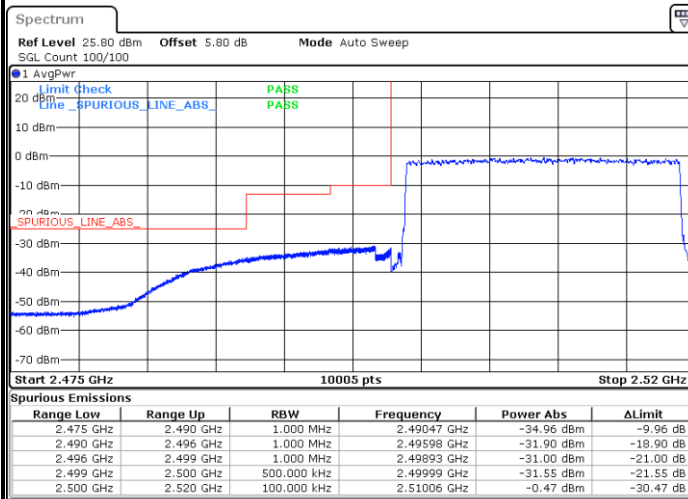
Lowest Band Edge / 1 RB



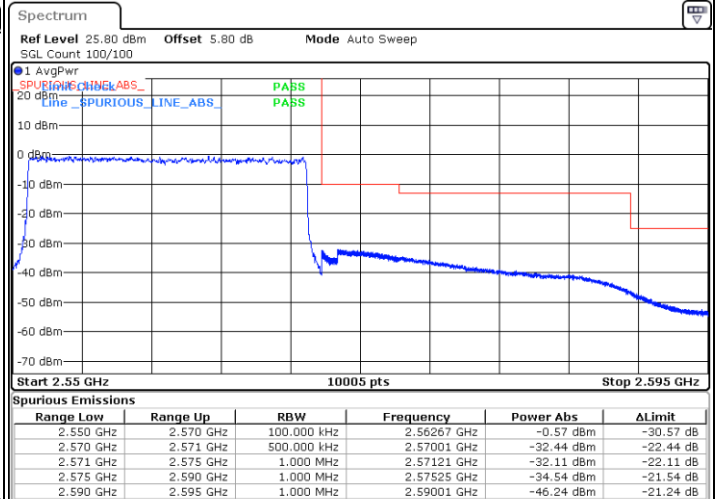
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

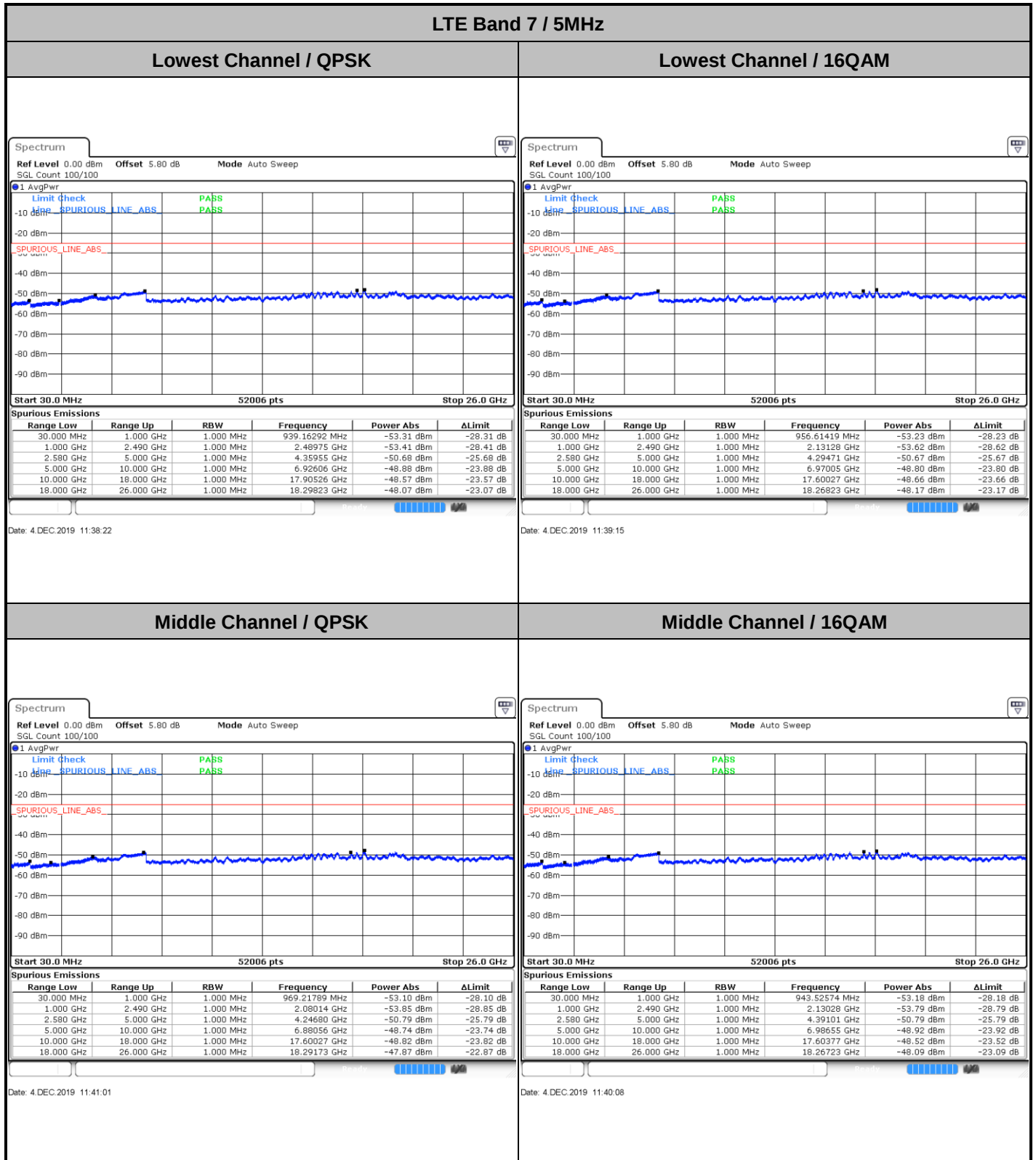


Highest Band Edge / Full RB





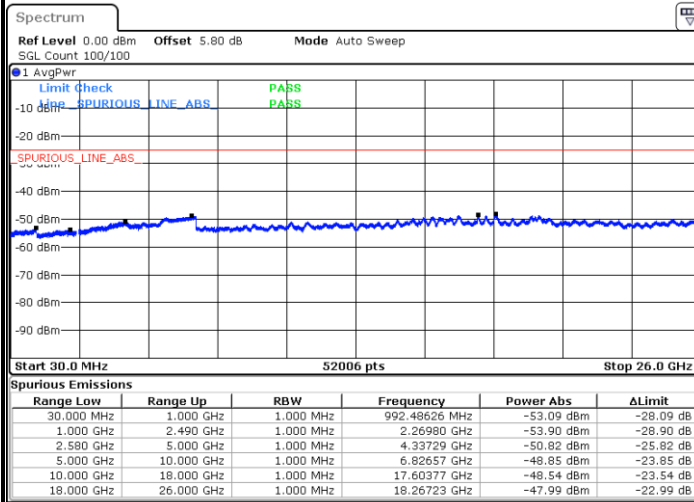
Conducted Spurious Emission





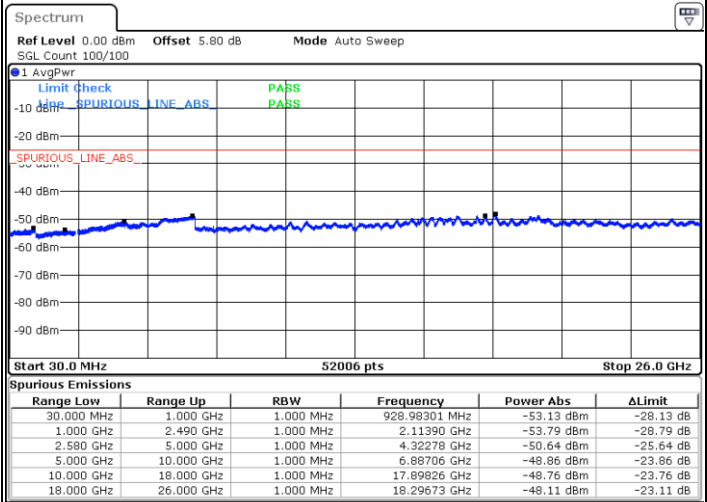
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 4 DEC. 2019 11:41:54

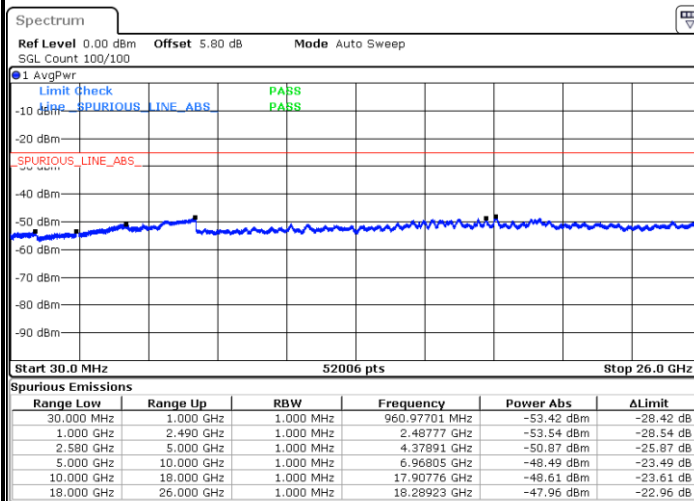
Highest Channel / 16QAM



Date: 4 DEC. 2019 11:42:47

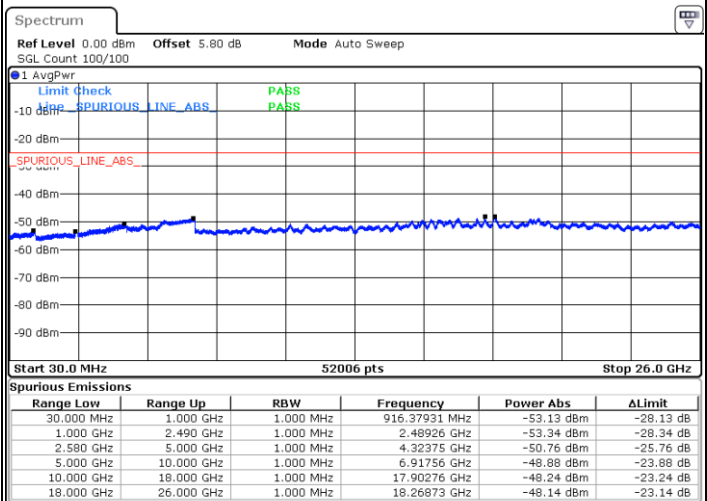
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 4 DEC. 2019 11:54:52

Lowest Channel / 16QAM



Date: 4 DEC. 2019 11:55:45