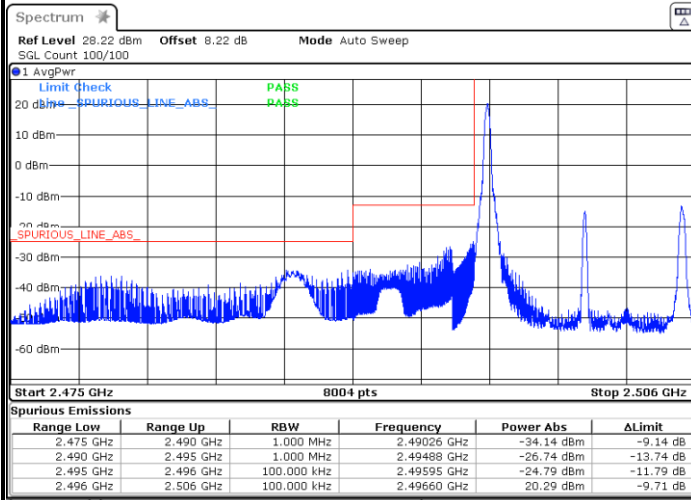


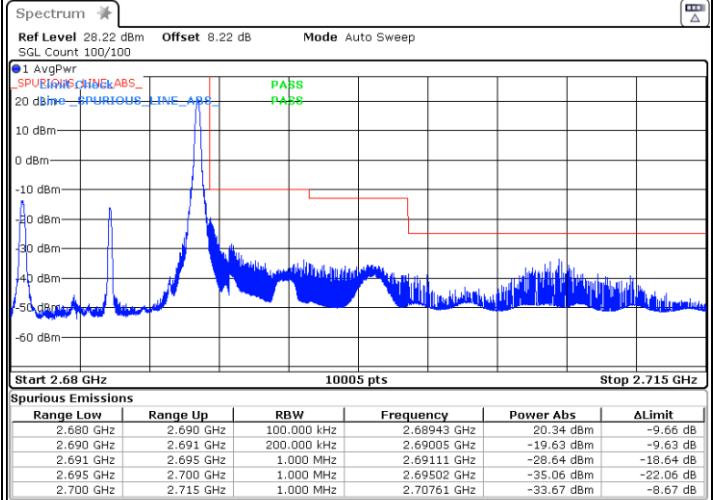


LTE Band 41 / 10MHz / QPSK

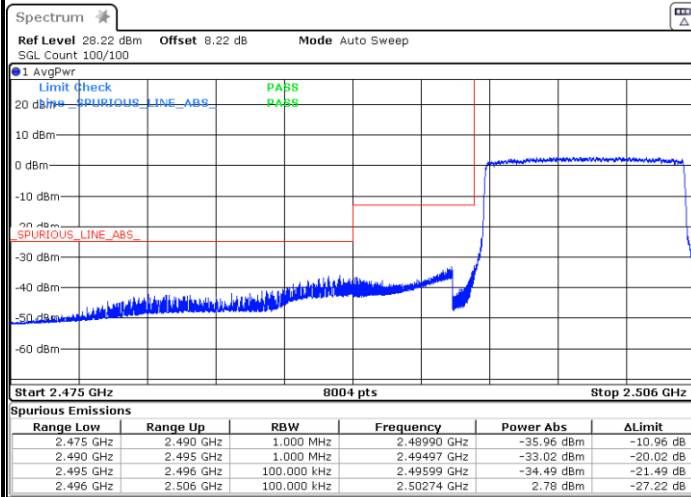
Lowest Band Edge / 1 RB



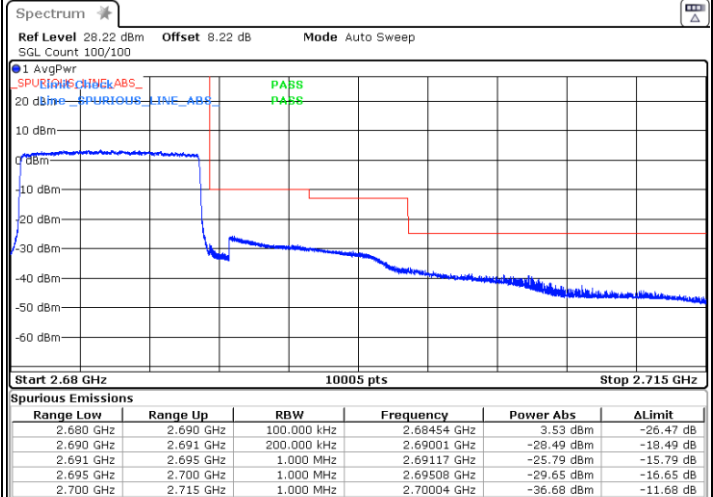
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



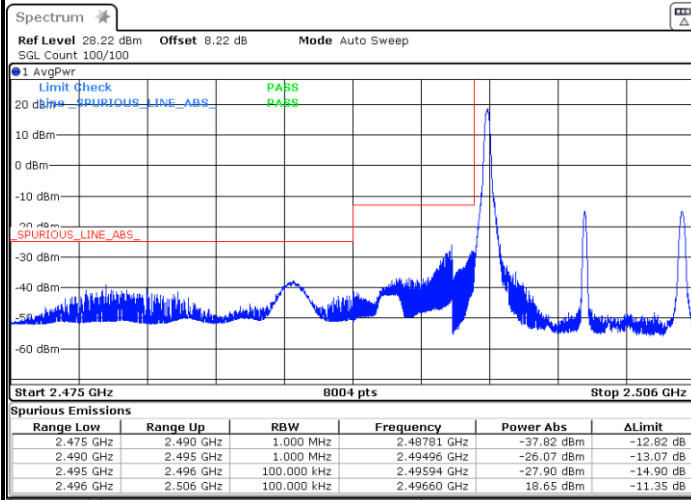
Highest Band Edge / Full RB



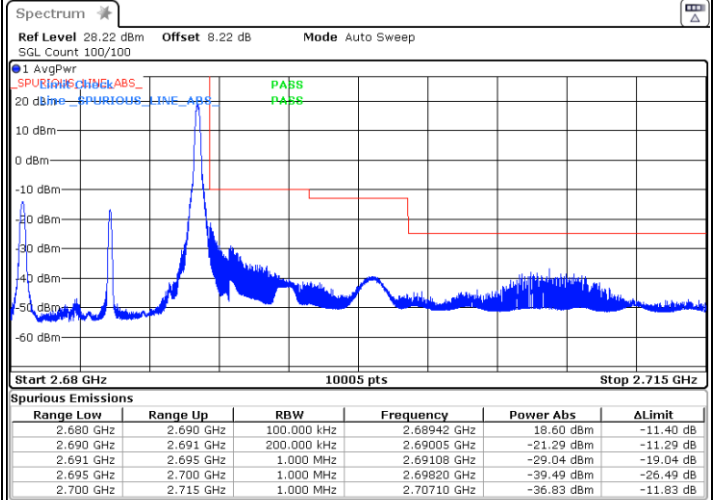


LTE Band 41 / 10MHz / 16QAM

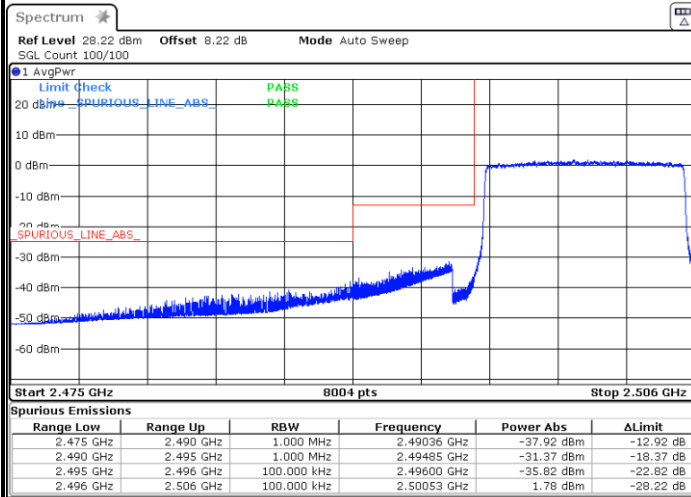
Lowest Band Edge / 1 RB



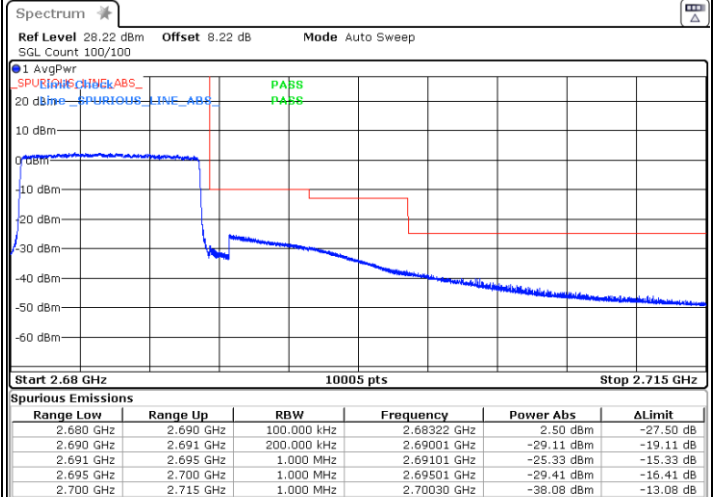
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



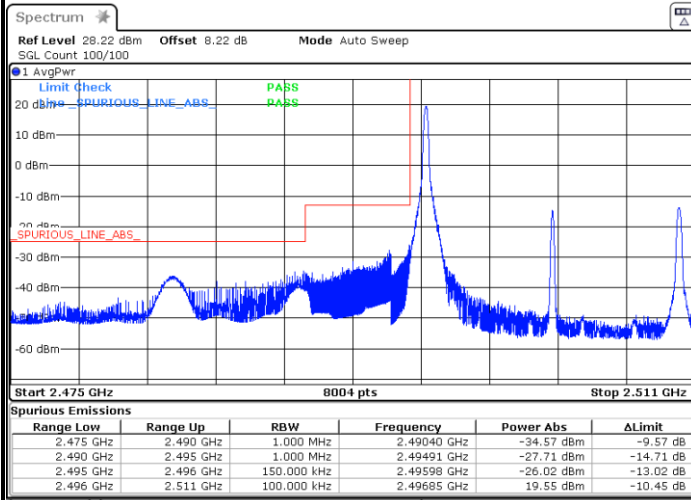
Highest Band Edge / Full RB



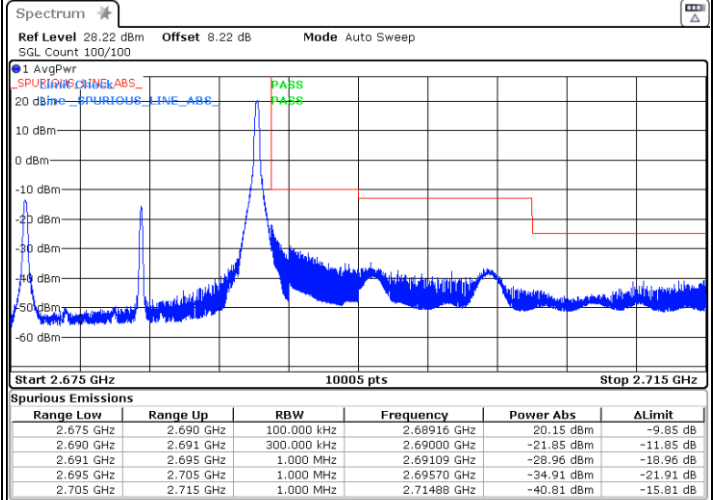


LTE Band 41 / 15MHz / QPSK

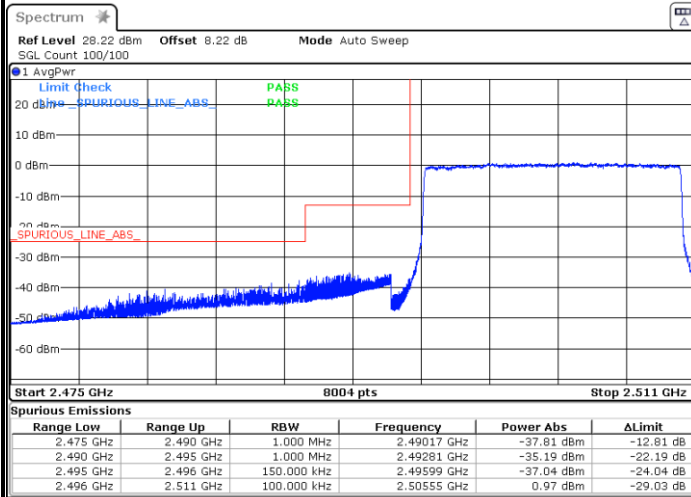
Lowest Band Edge / 1 RB



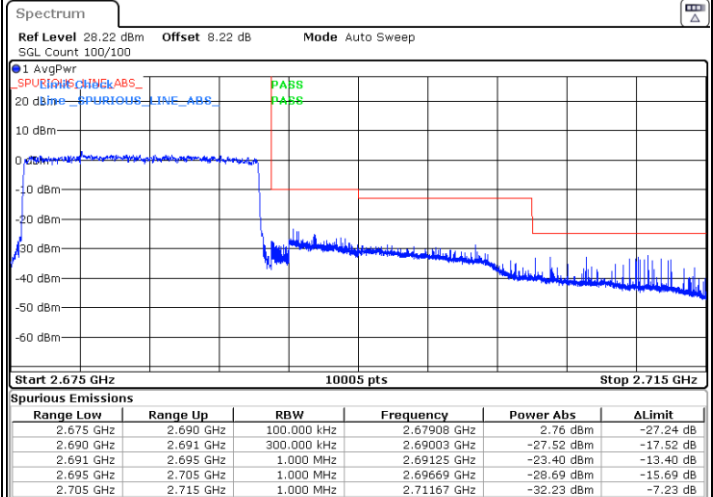
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



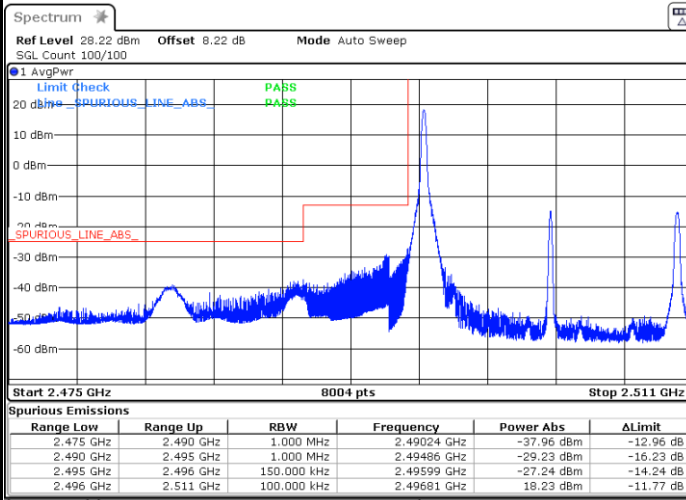
Highest Band Edge / Full RB



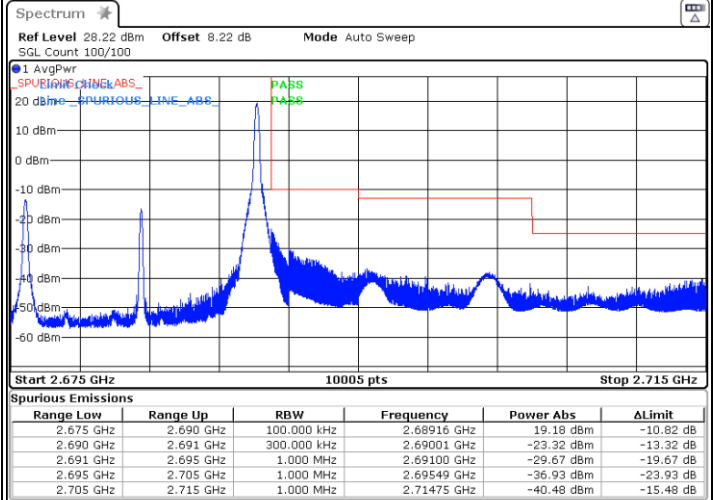


LTE Band 41 / 15MHz / 16QAM

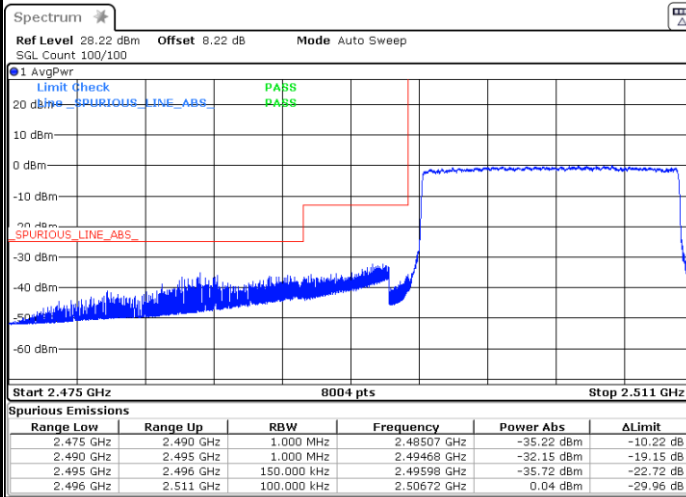
Lowest Band Edge / 1 RB



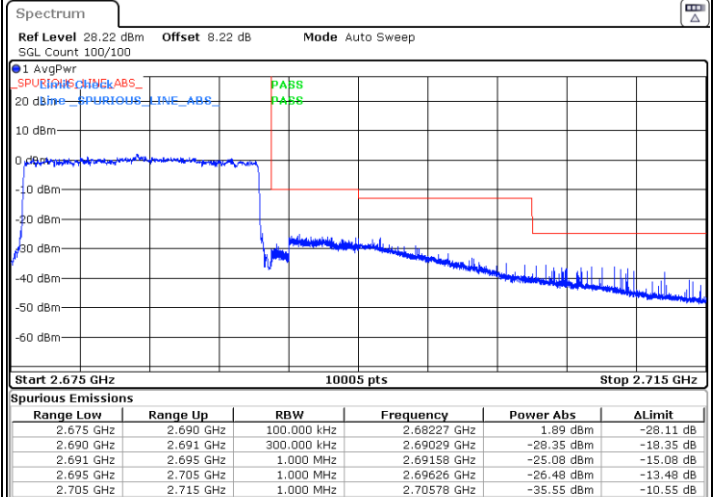
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



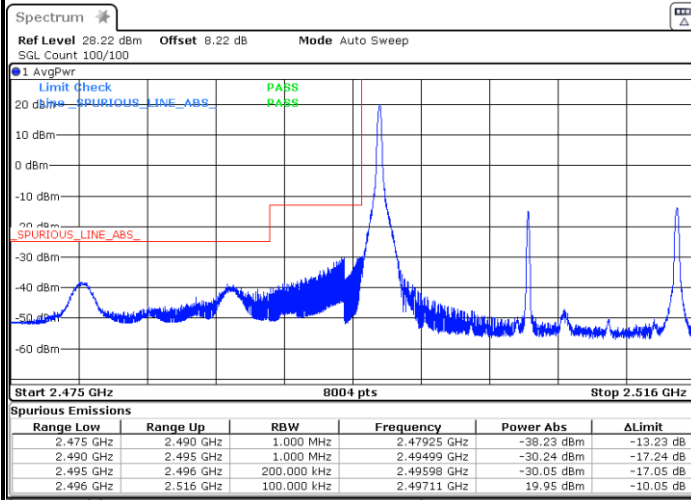
Highest Band Edge / Full RB



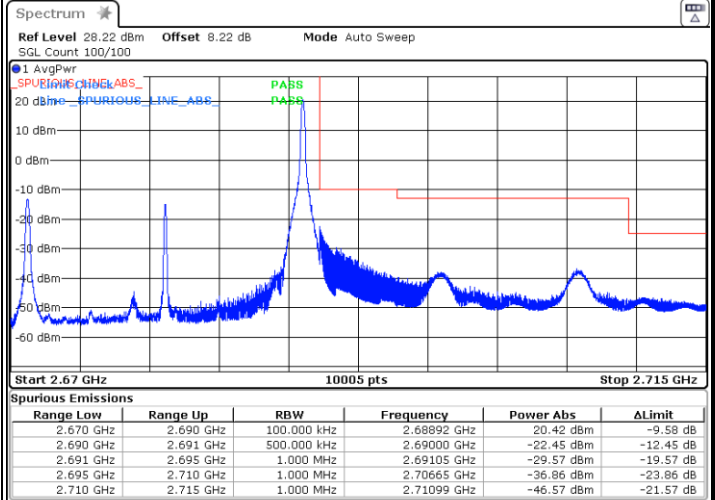


LTE Band 41 / 20MHz / QPSK

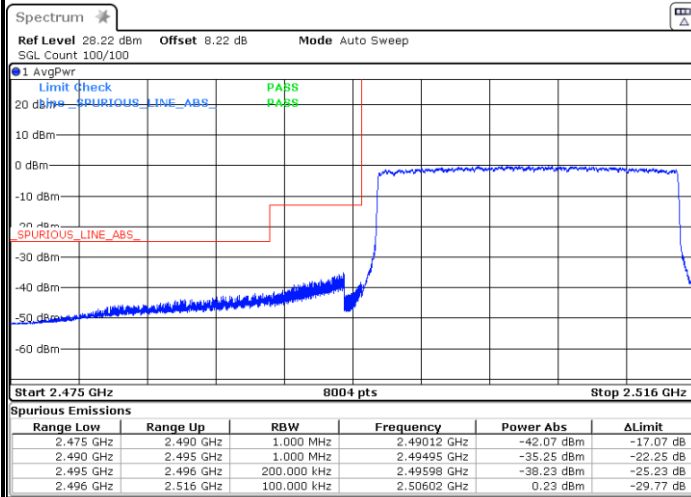
Lowest Band Edge / 1 RB



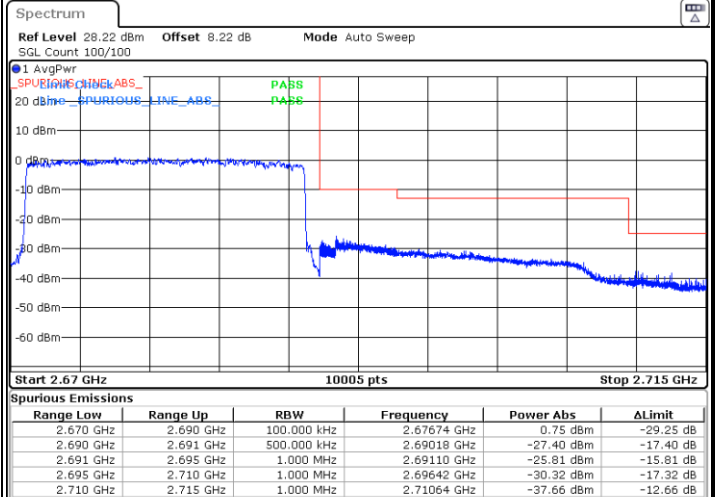
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



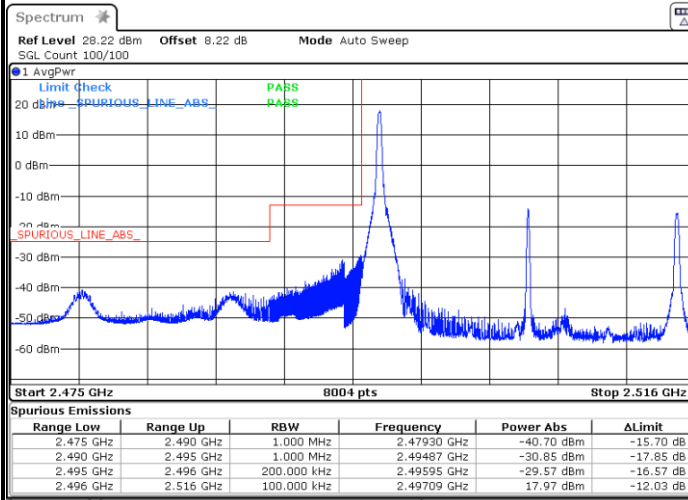
Highest Band Edge / Full RB



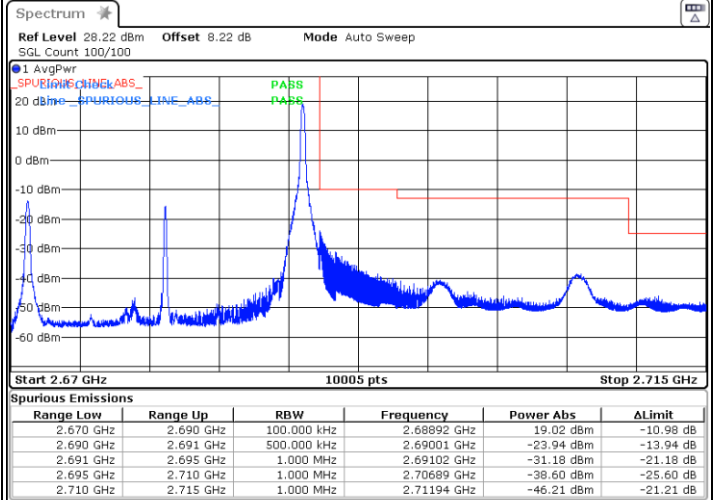


LTE Band 41 / 20MHz / 16QAM

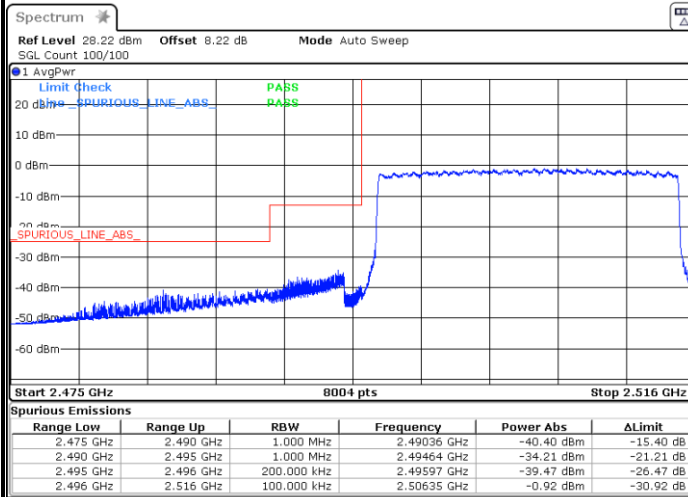
Lowest Band Edge / 1 RB



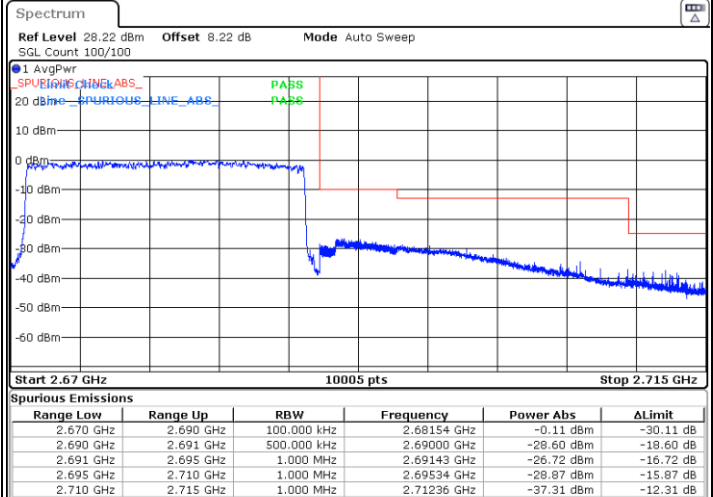
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

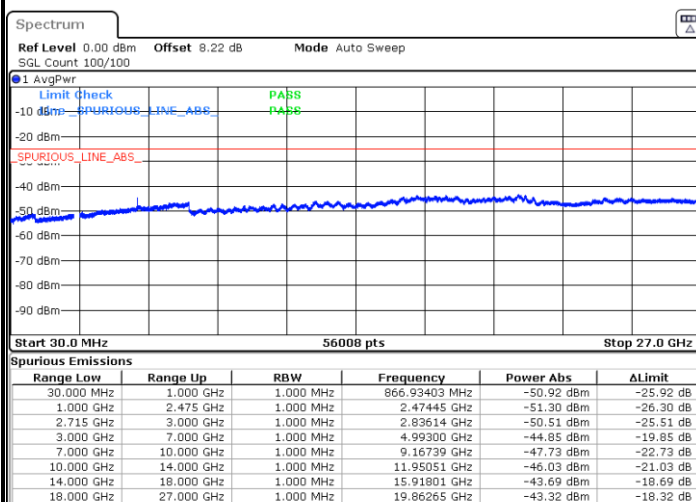




Conducted Spurious Emission

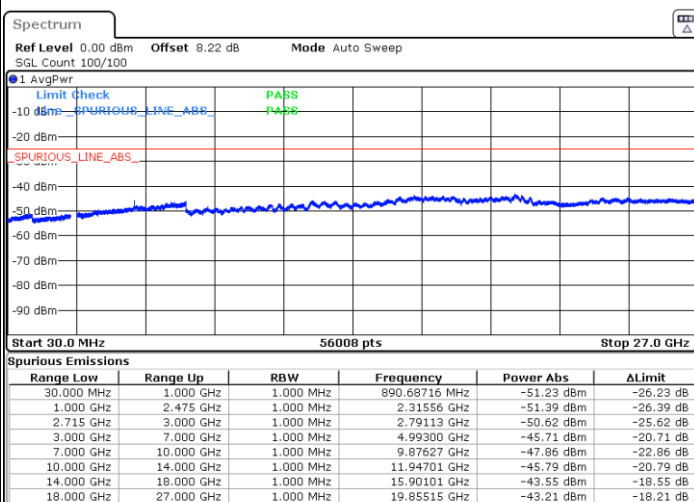
LTE Band 41 / 5MHz

Lowest Channel / QPSK



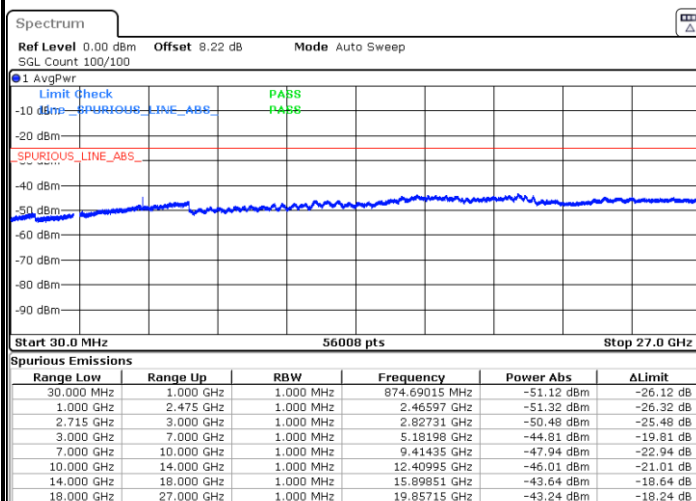
Date: 3 DEC. 2019 15:13:34

Lowest Channel / 16QAM



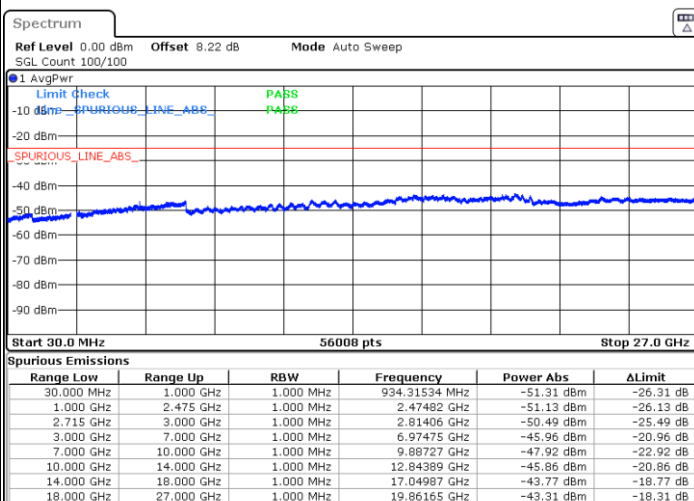
Date: 3 DEC. 2019 15:14:28

Middle Channel / QPSK



Date: 3 DEC. 2019 15:15:23

Middle Channel / 16QAM

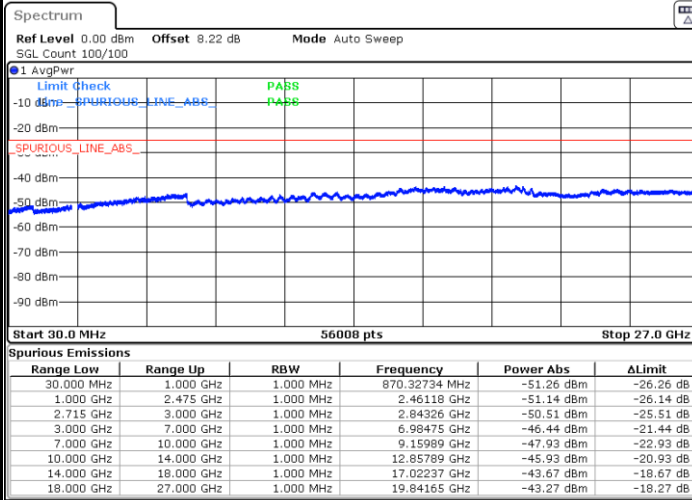


Date: 3 DEC. 2019 15:16:17



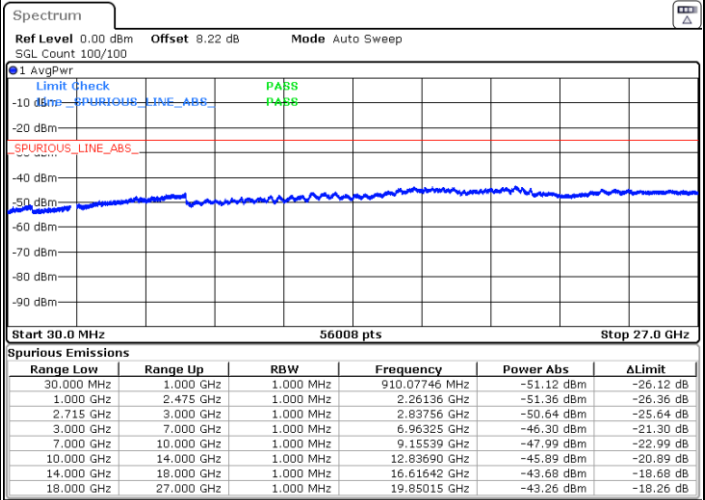
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 3 DEC. 2019 15:21:43

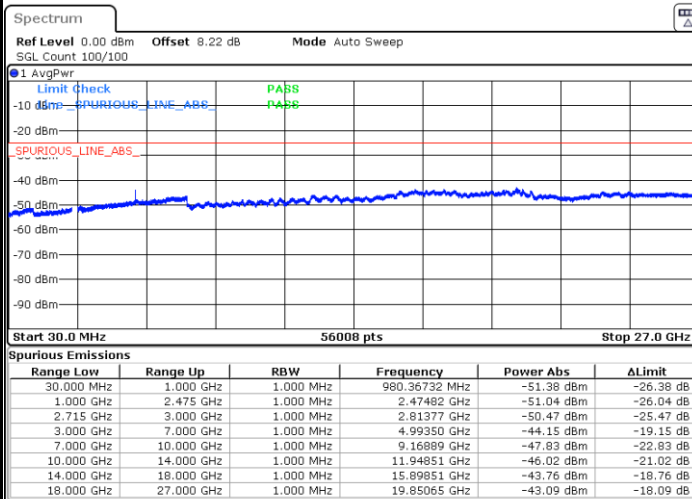
Highest Channel / 16QAM



Date: 3 DEC. 2019 15:22:38

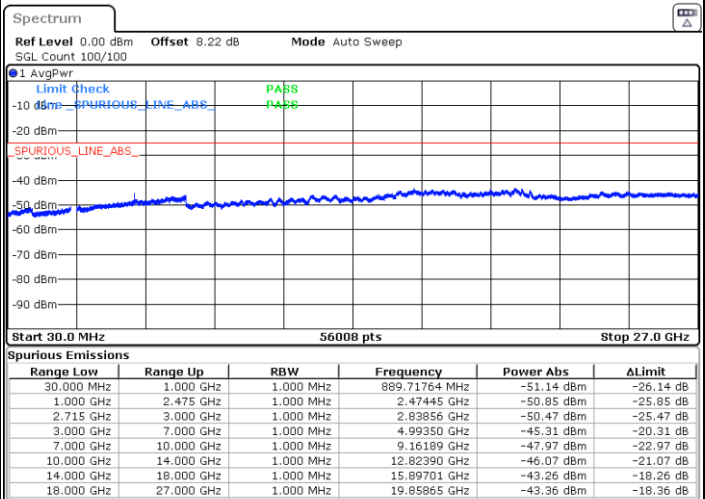
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 3 DEC. 2019 15:30:00

Lowest Channel / 16QAM

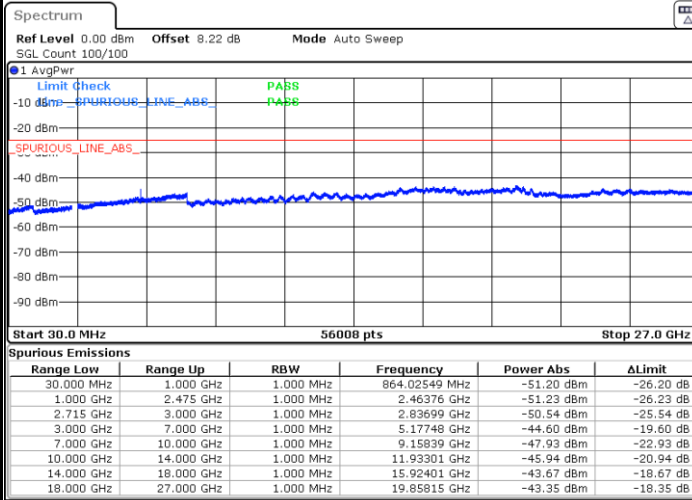


Date: 3 DEC. 2019 15:30:54



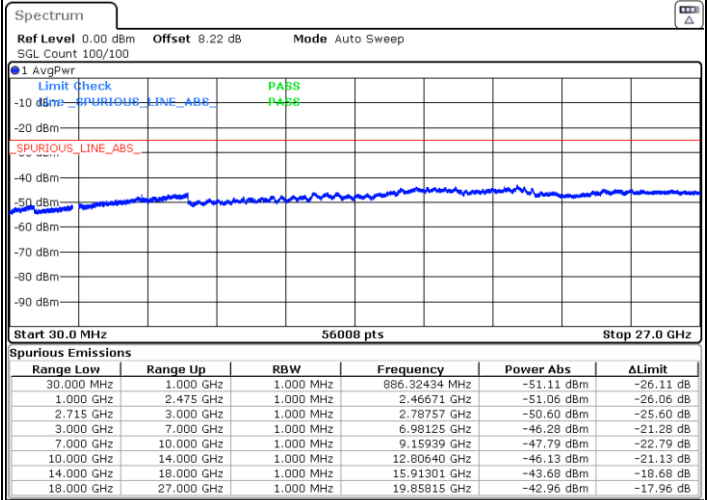
LTE Band 41 / 10MHz

Middle Channel / QPSK



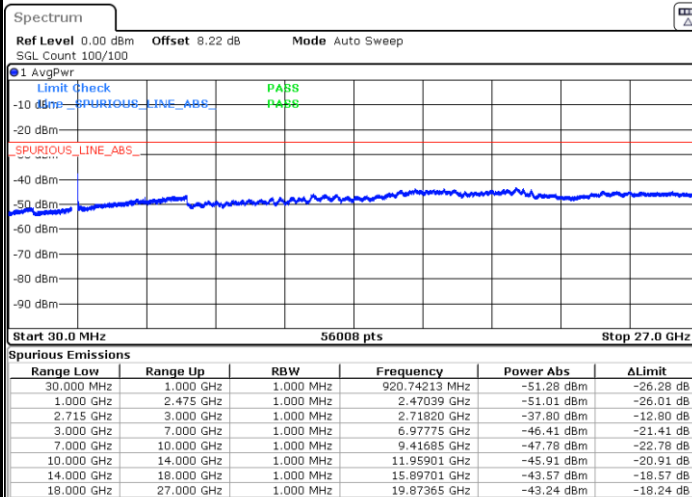
Date: 3 DEC. 2019 15:31:49

Middle Channel / 16QAM



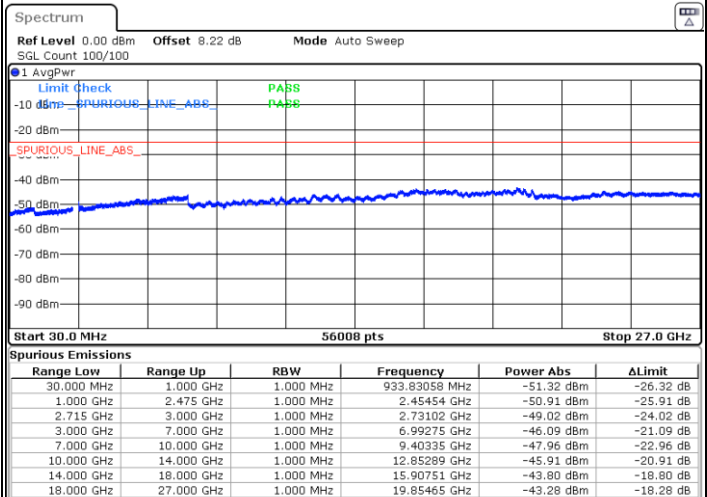
Date: 3 DEC. 2019 15:32:43

Highest Channel / QPSK



Date: 3 DEC. 2019 15:33:38

Highest Channel / 16QAM

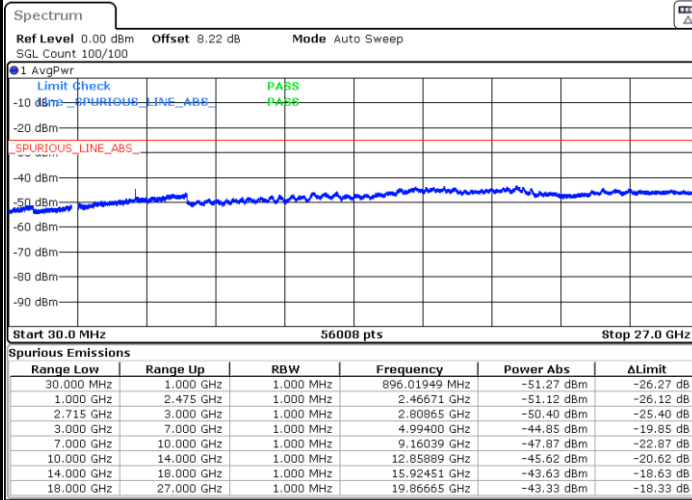


Date: 3 DEC. 2019 15:34:32



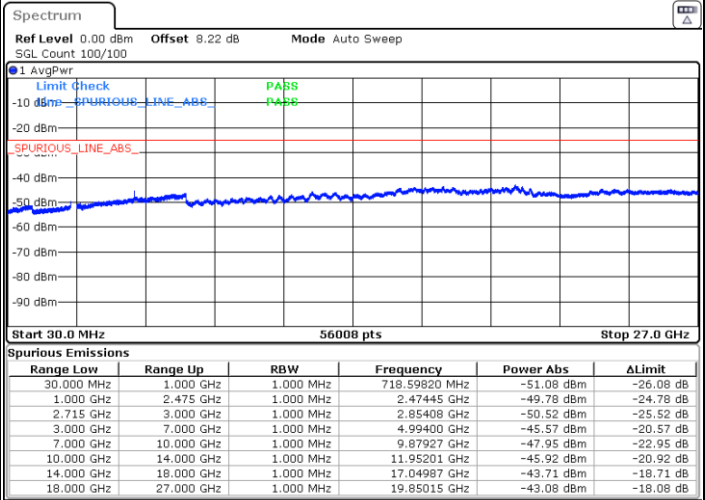
LTE Band 41 / 15MHz

Lowest Channel / QPSK



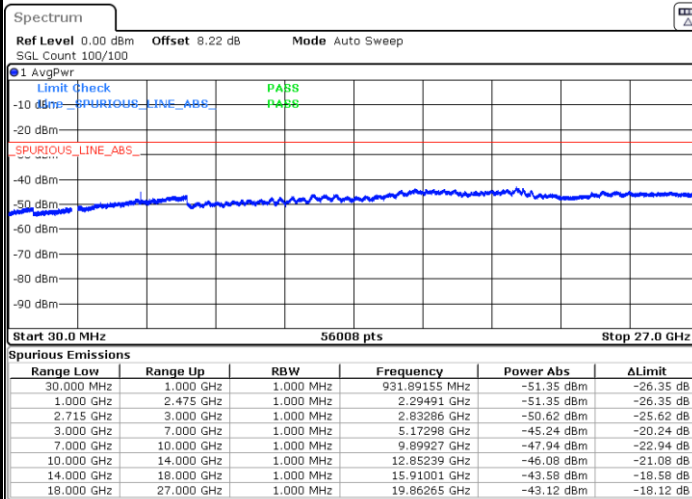
Date: 3 DEC. 2019 15:35:26

Lowest Channel / 16QAM



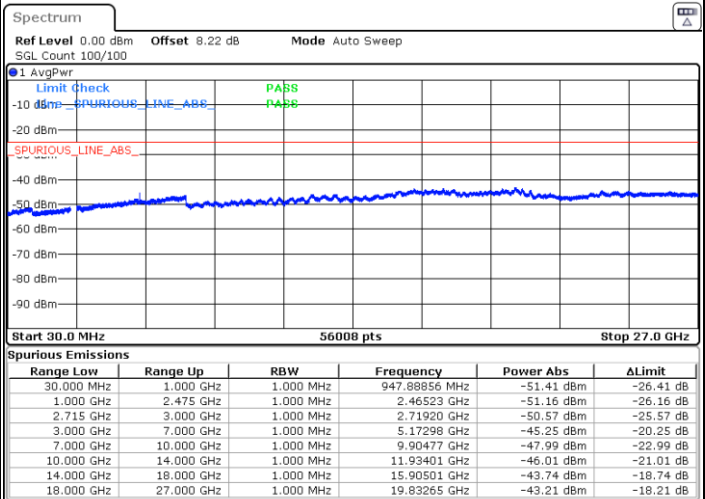
Date: 3 DEC. 2019 15:36:21

Middle Channel / QPSK



Date: 3 DEC. 2019 15:37:15

Middle Channel / 16QAM

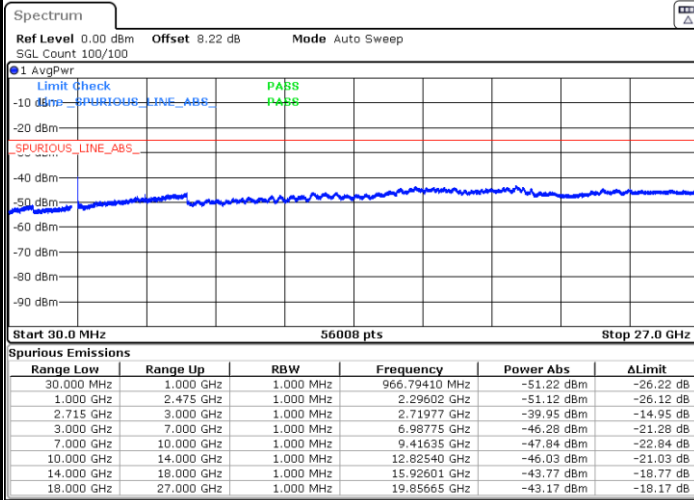


Date: 3 DEC. 2019 15:38:09



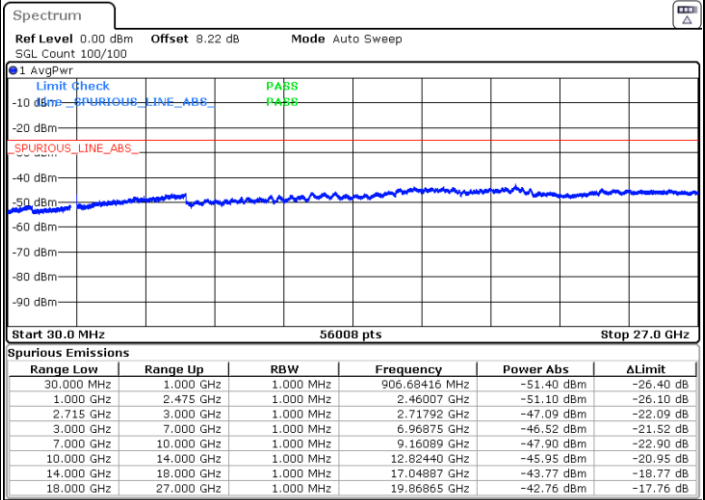
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 3 DEC 2019 15:39:04

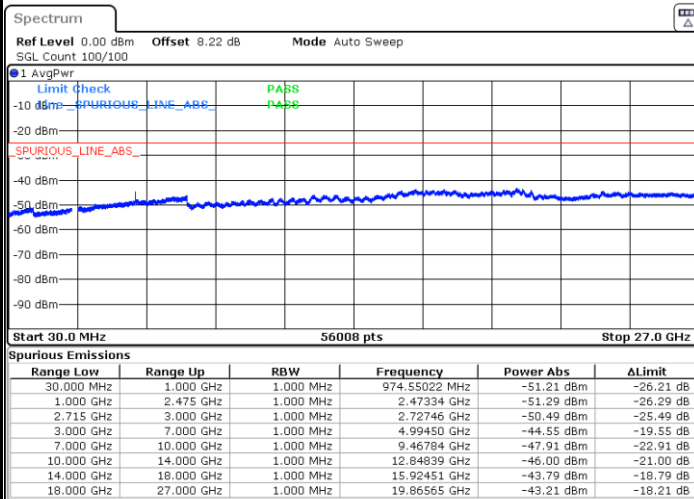
Highest Channel / 16QAM



Date: 3 DEC 2019 15:39:58

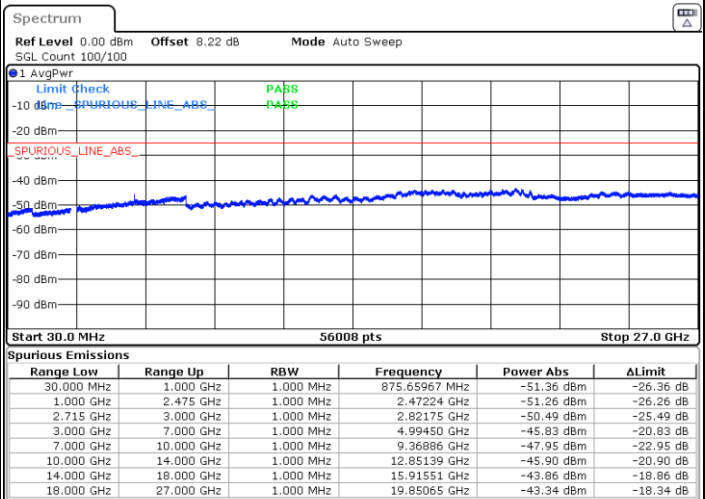
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 3 DEC 2019 15:40:53

Lowest Channel / 16QAM

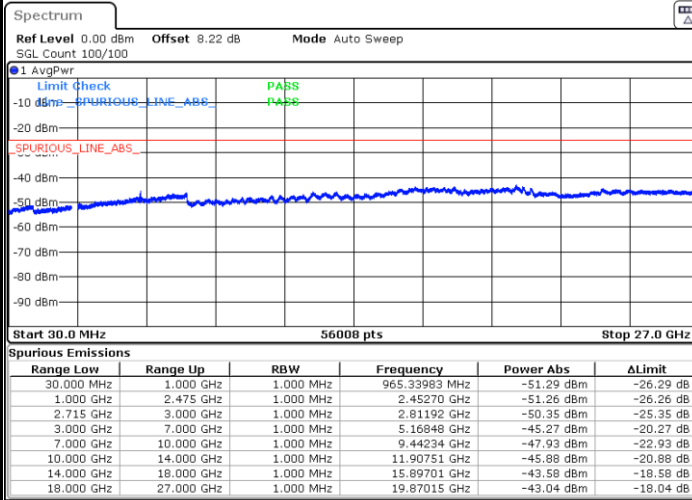


Date: 3 DEC 2019 15:41:47



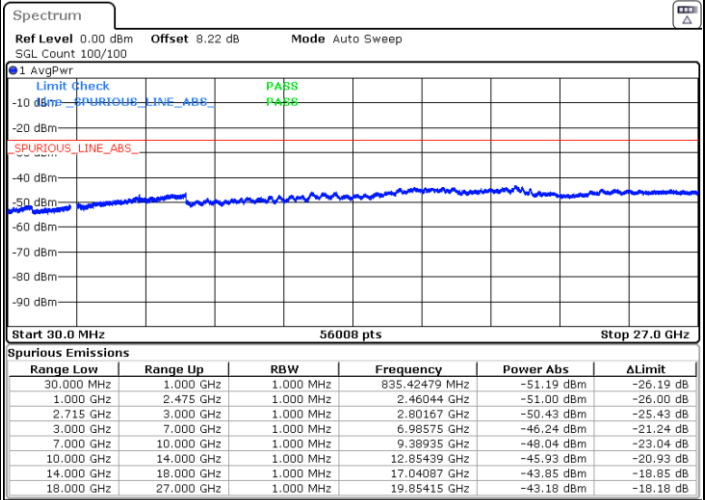
LTE Band 41 / 20MHz

Middle Channel / QPSK



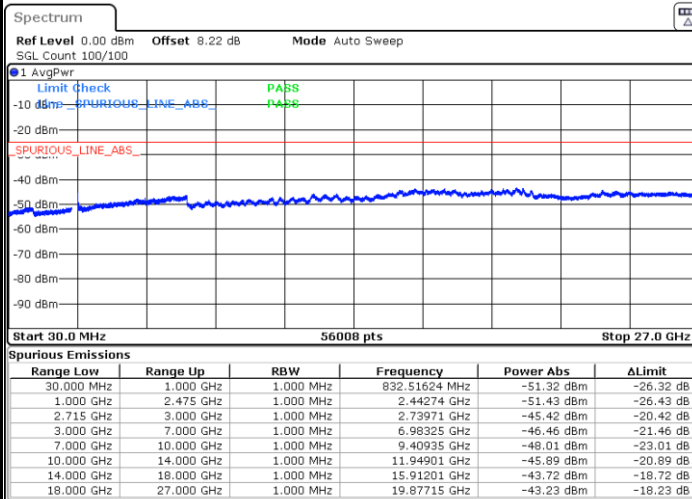
Date: 3 DEC. 2019 15:42:41

Middle Channel / 16QAM



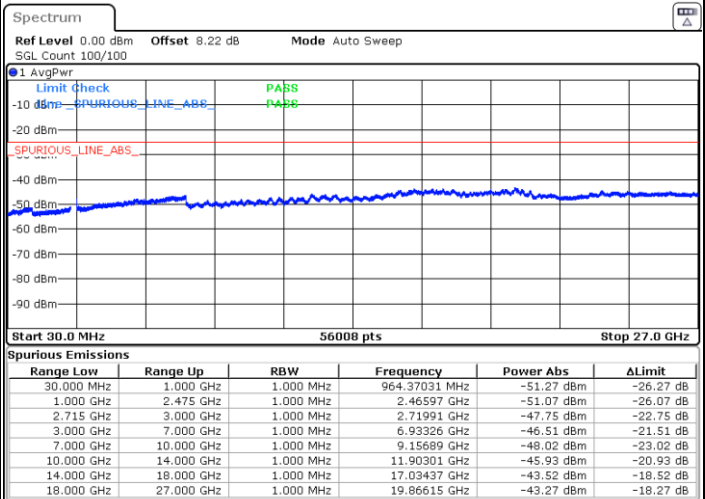
Date: 3 DEC. 2019 15:43:36

Highest Channel / QPSK



Date: 3 DEC. 2019 15:44:30

Highest Channel / 16QAM



Date: 3 DEC. 2019 15:45:25

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	0.0004	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: 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		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.93	4.93	5.45	6.17	PASS
Middle CH	4.87	5.22	5.68	6.20	
Highest CH	4.52	5.22	5.39	6.20	



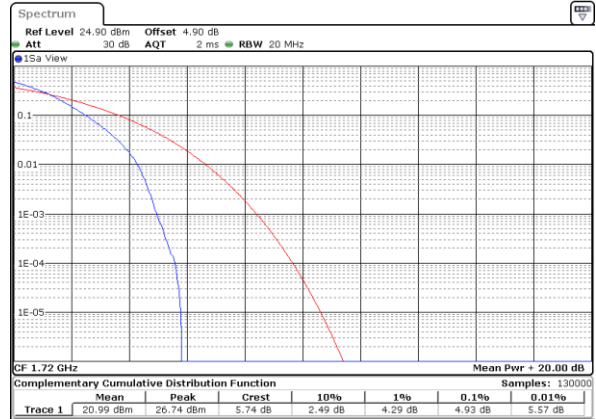
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



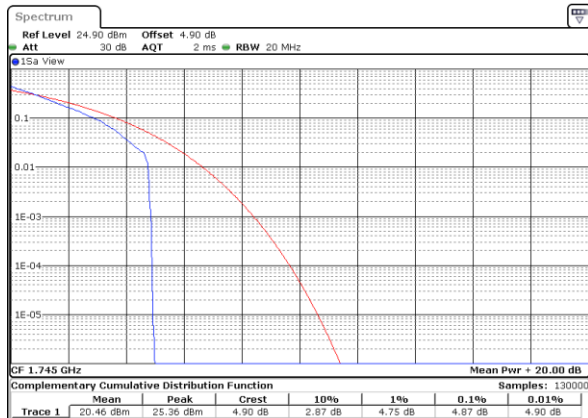
Date: 4 DEC 2019 14:34:49

Lowest Channel / Full RB



Date: 4 DEC 2019 14:19:24

Middle Channel / 1RB



Date: 4 DEC 2019 14:33:33

Middle Channel / Full RB



Date: 4 DEC 2019 14:21:52

Highest Channel / 1RB



Date: 4 DEC 2019 14:29:09

Highest Channel / Full RB

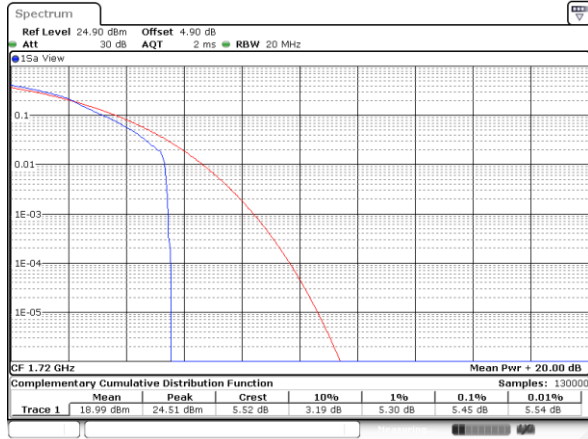


Date: 4 DEC 2019 14:25:08

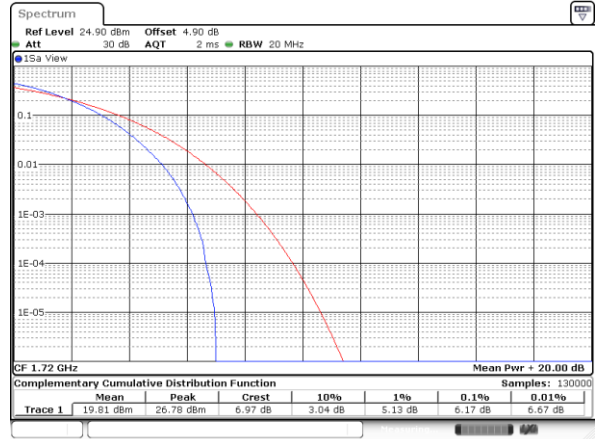


LTE Band 66 / 20MHz / 16QAM

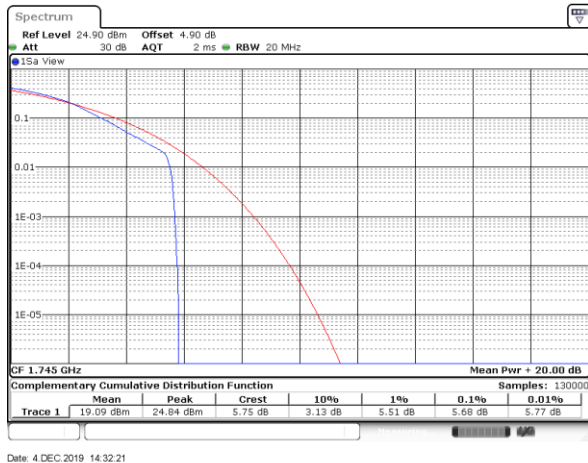
Lowest Channel / 1RB



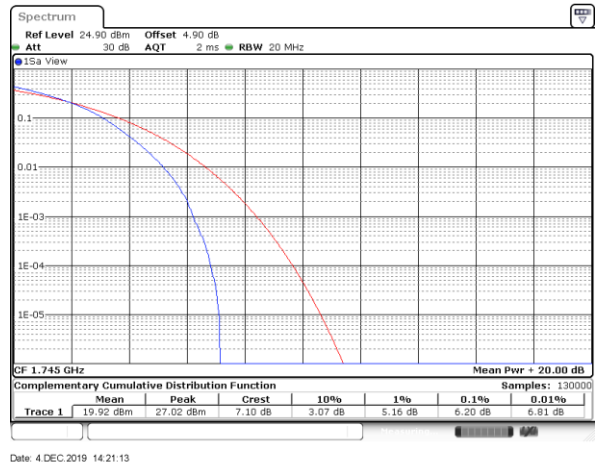
Lowest Channel / Full RB



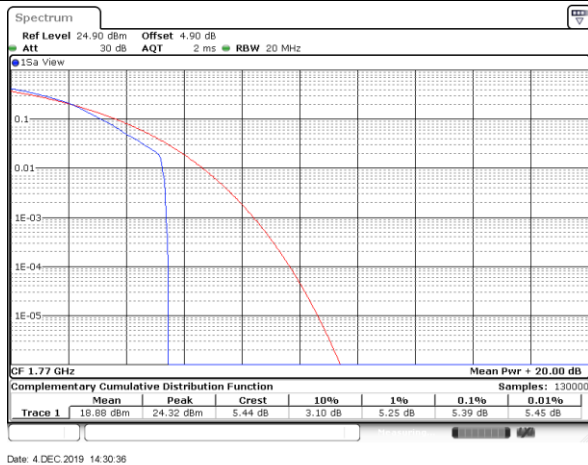
Middle Channel / 1RB



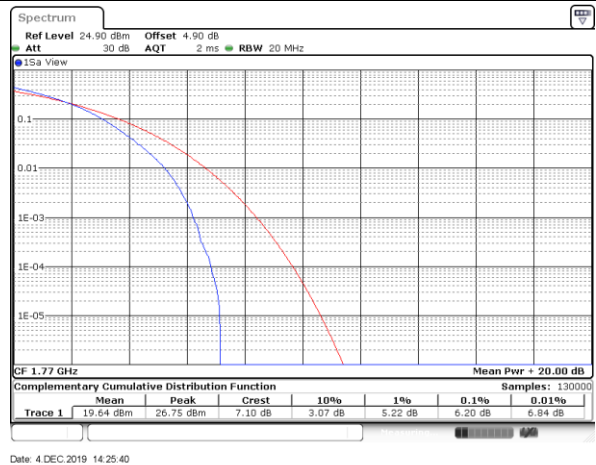
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



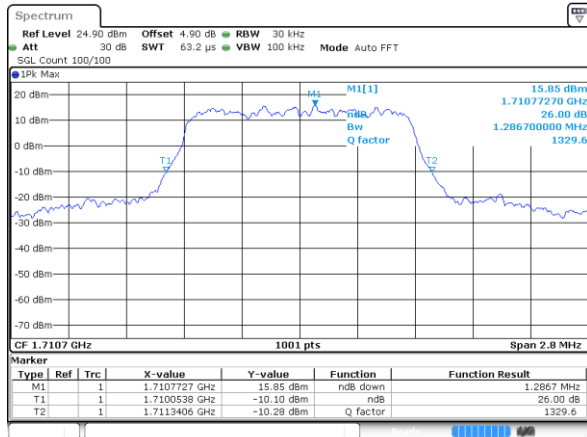
**26dB Bandwidth**

Mode	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
Lowest CH	1.29	1.25	3.00	3.00	4.89	4.84	9.77	9.63	14.21	14.33	20.02	20.22
Middle CH	1.29	1.27	3.02	3.06	4.88	4.91	9.77	9.83	14.51	14.36	20.22	20.18
Highest CH	1.29	1.27	3.02	3.02	4.80	4.87	9.67	9.81	14.24	14.78	20.14	20.18

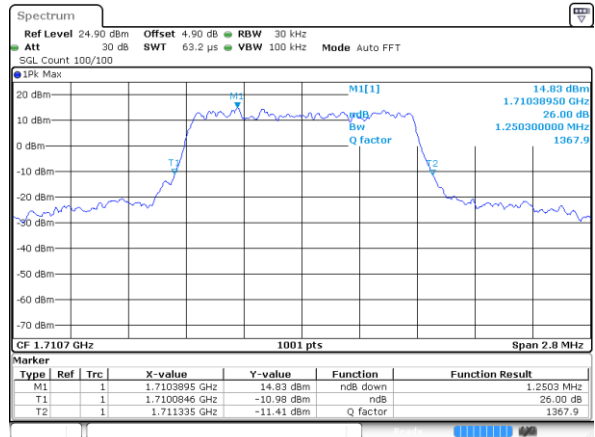


LTE Band 66

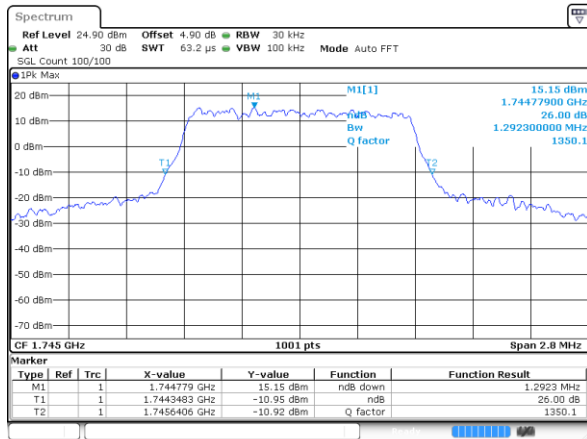
Lowest Channel / 1.4MHz / QPSK



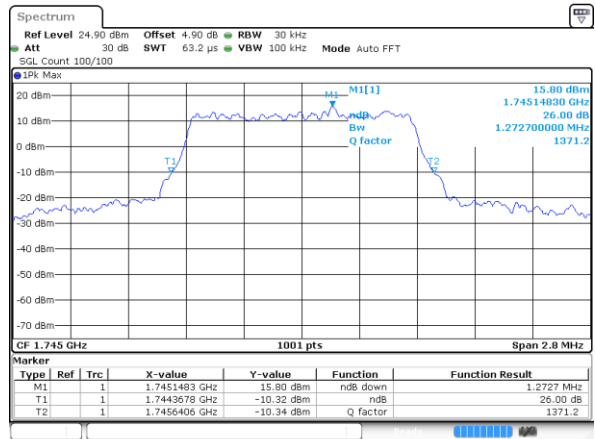
Lowest Channel / 1.4MHz / 16QAM



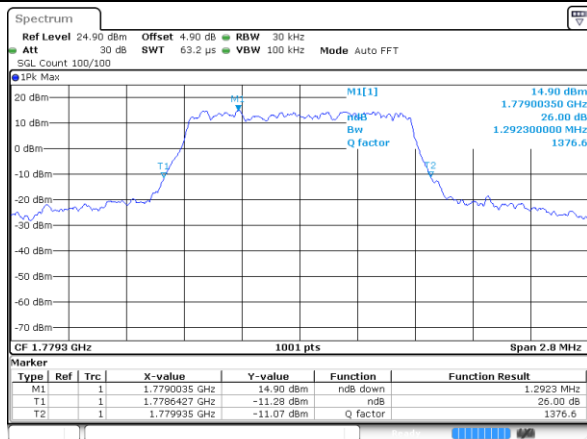
Middle Channel / 1.4MHz / QPSK



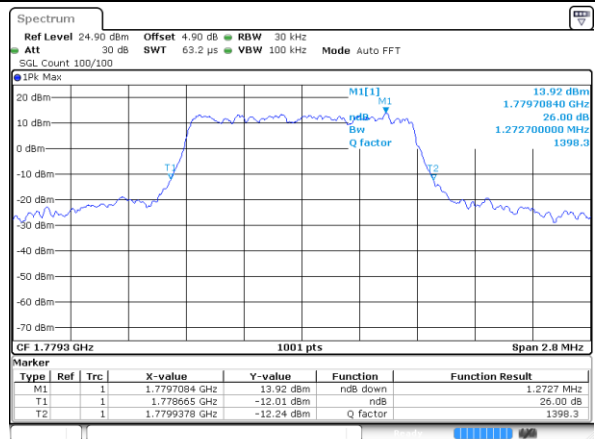
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



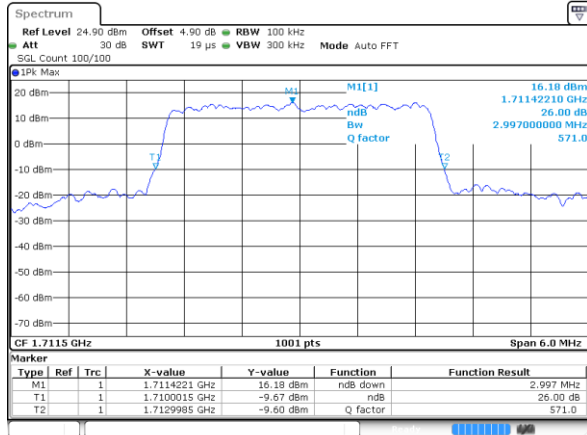
Highest Channel / 1.4MHz / 16QAM



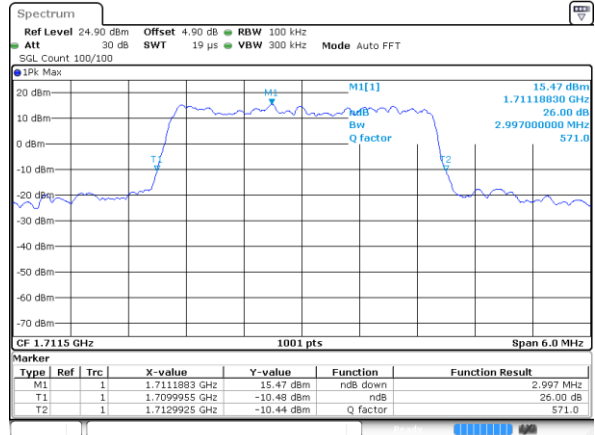


LTE Band 66

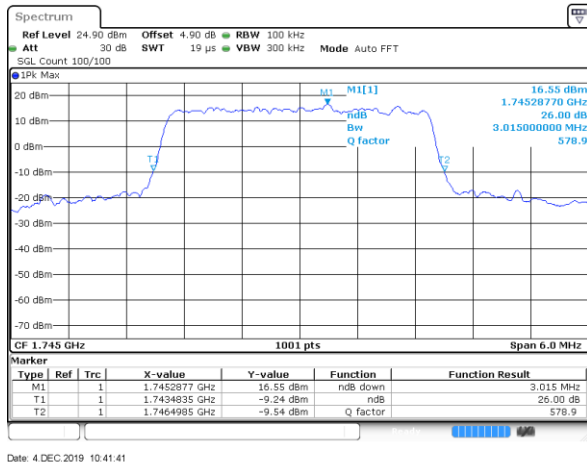
Lowest Channel / 3MHz / QPSK



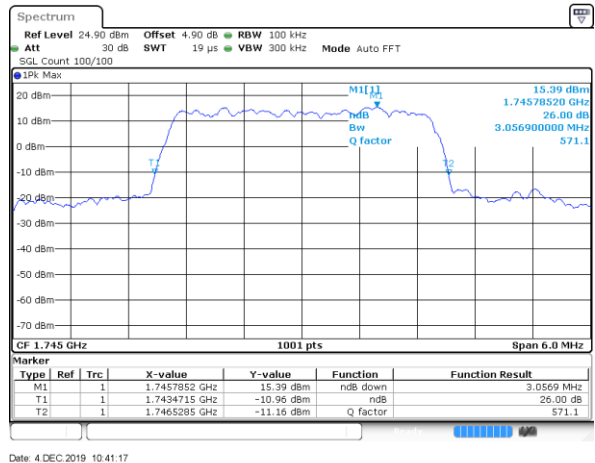
Lowest Channel / 3MHz / 16QAM



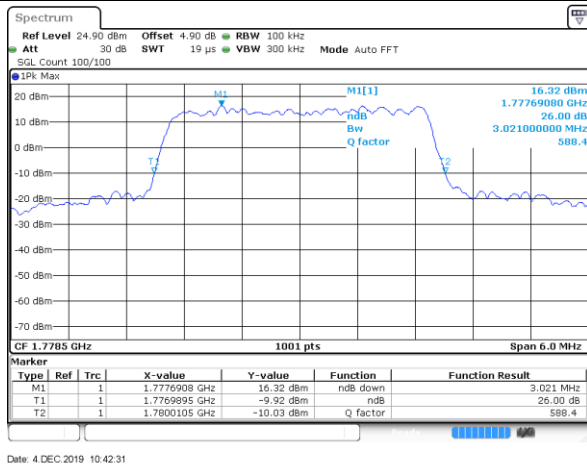
Middle Channel / 3MHz / QPSK



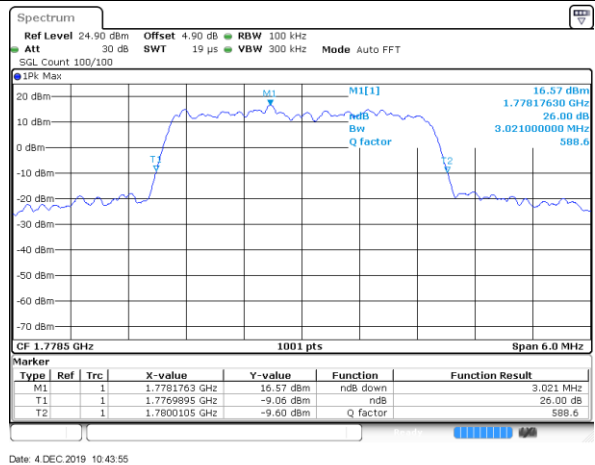
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



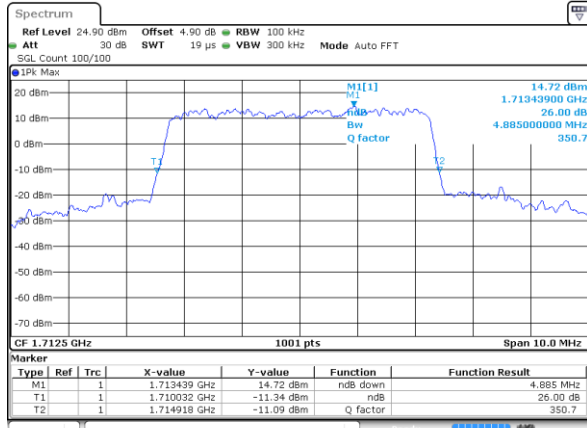
Highest Channel / 3MHz / 16QAM



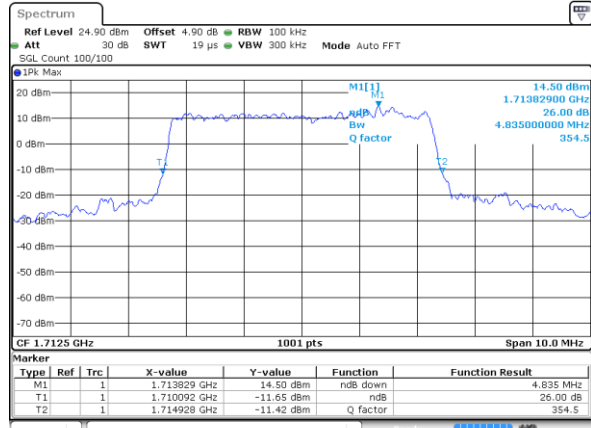


LTE Band 66

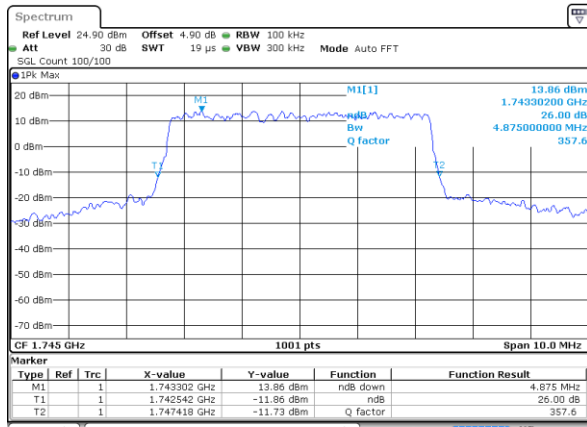
Lowest Channel / 5MHz / QPSK



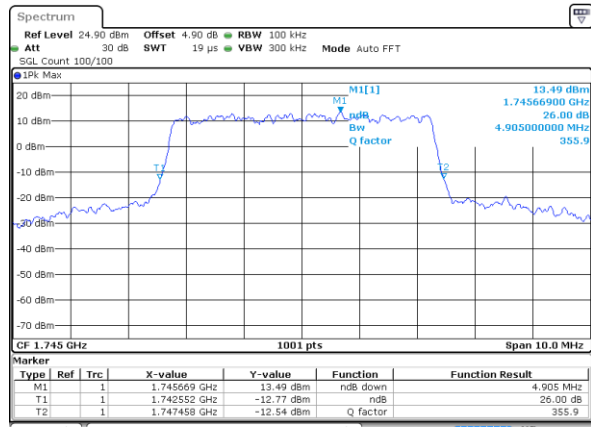
Lowest Channel / 5MHz / 16QAM



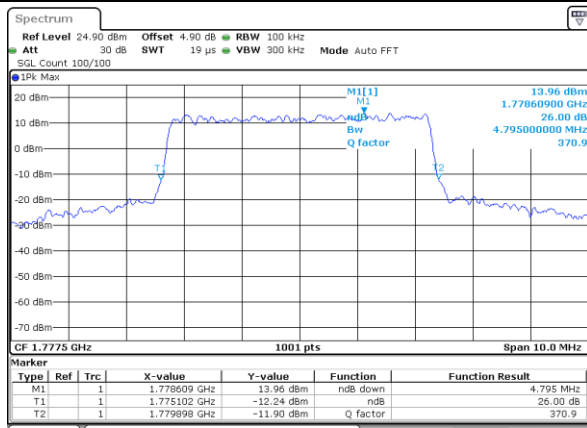
Middle Channel / 5MHz / QPSK



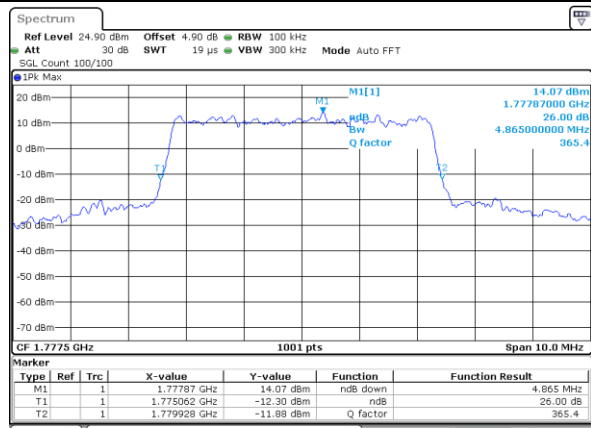
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



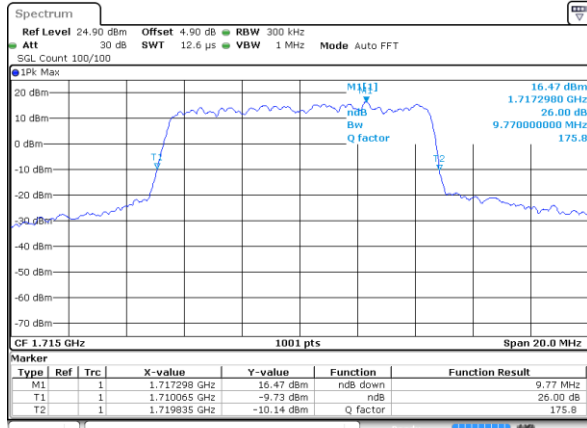
Highest Channel / 5MHz / 16QAM



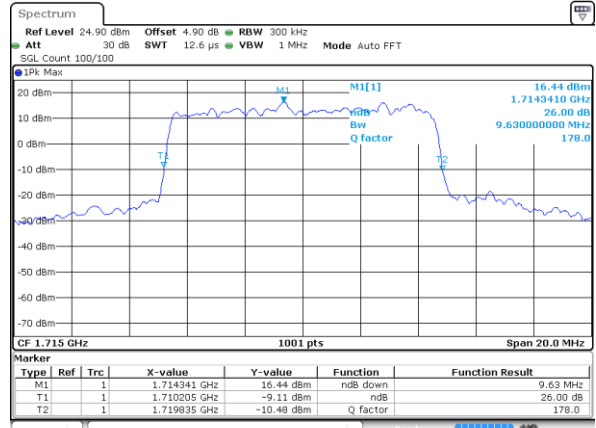


LTE Band 66

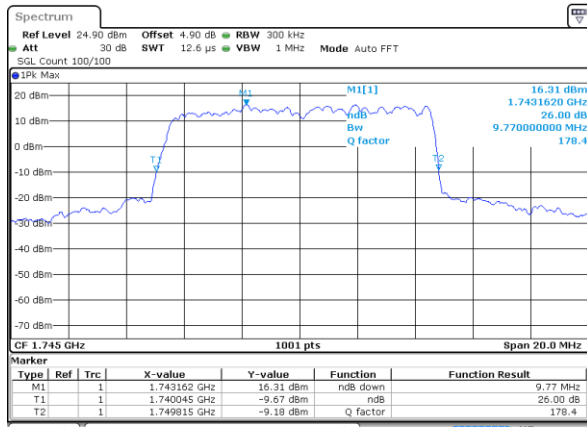
Lowest Channel / 10MHz / QPSK



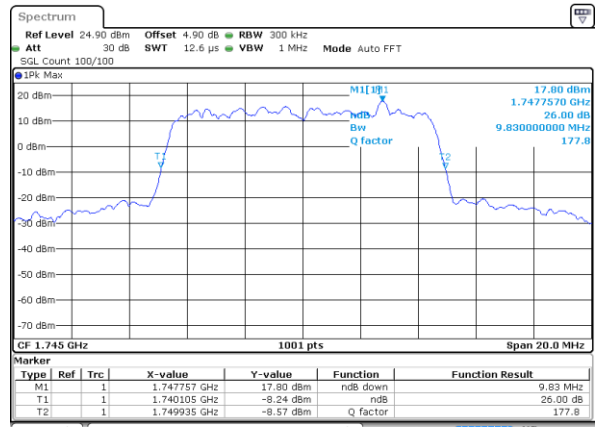
Lowest Channel / 10MHz / 16QAM



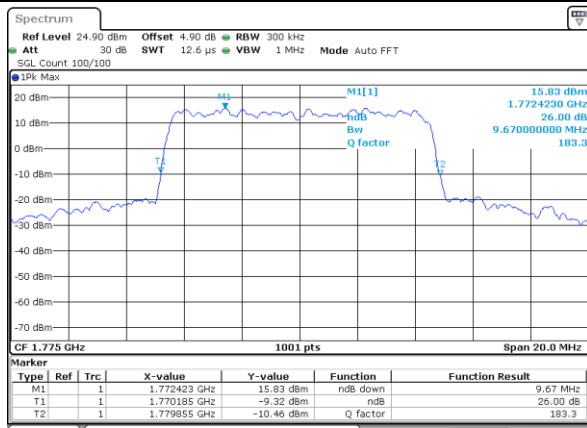
Middle Channel / 10MHz / QPSK



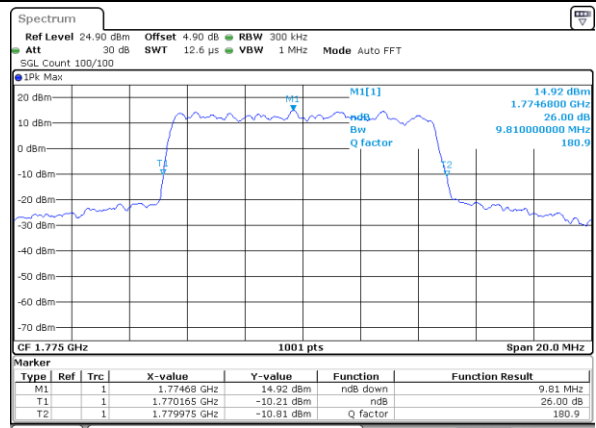
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



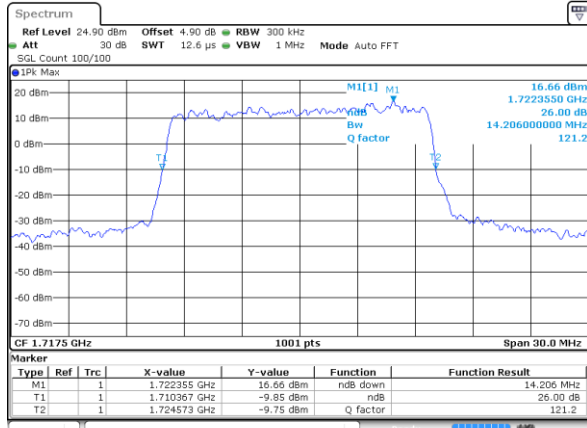
Highest Channel / 10MHz / 16QAM





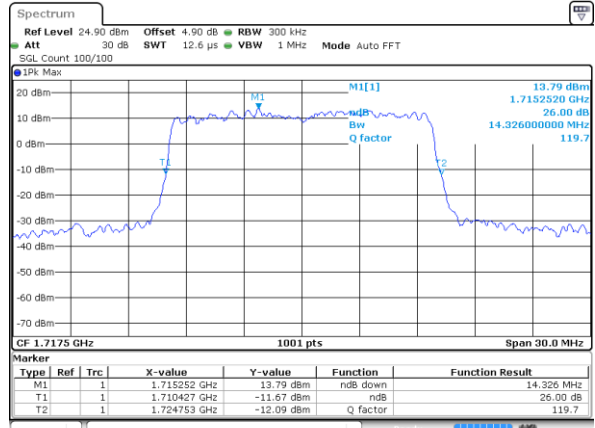
LTE Band 66

Lowest Channel / 15MHz / QPSK



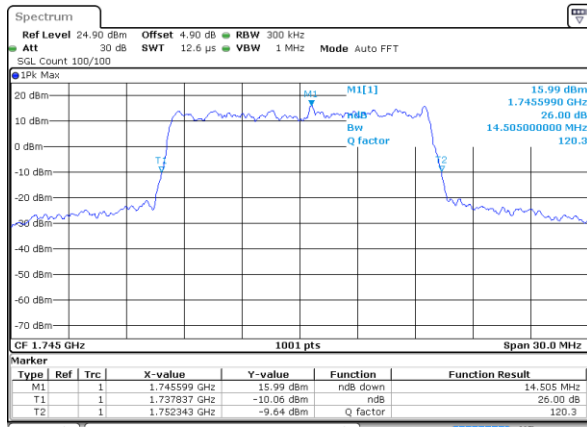
Date: 4 DEC 2019 13:49:59

Lowest Channel / 15MHz / 16QAM



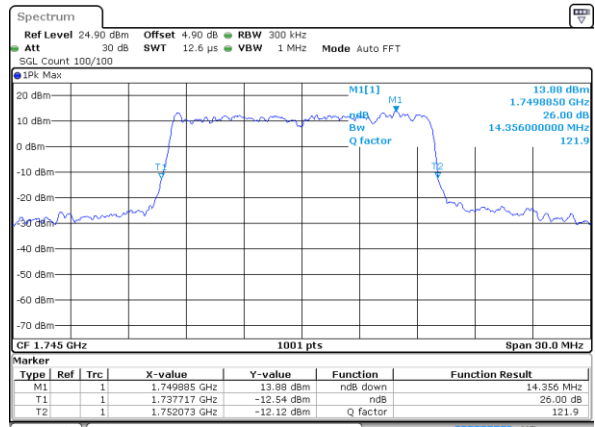
Date: 4 DEC 2019 13:48:58

Middle Channel / 15MHz / QPSK



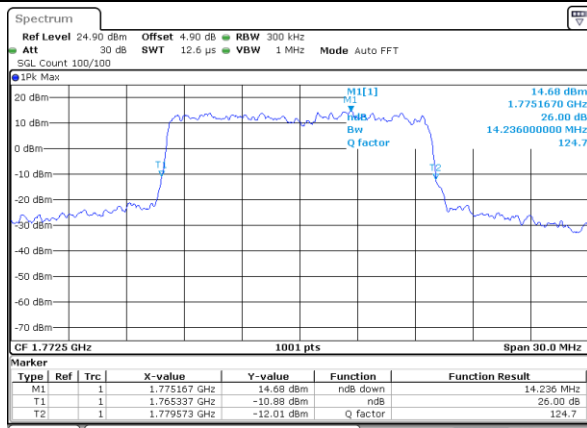
Date: 4 DEC 2019 13:51:18

Middle Channel / 15MHz / 16QAM



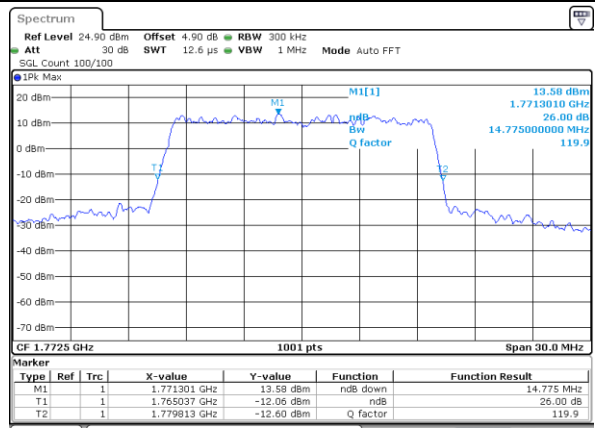
Date: 4 DEC 2019 13:51:42

Highest Channel / 15MHz / QPSK



Date: 4 DEC 2019 13:53:03

Highest Channel / 15MHz / 16QAM

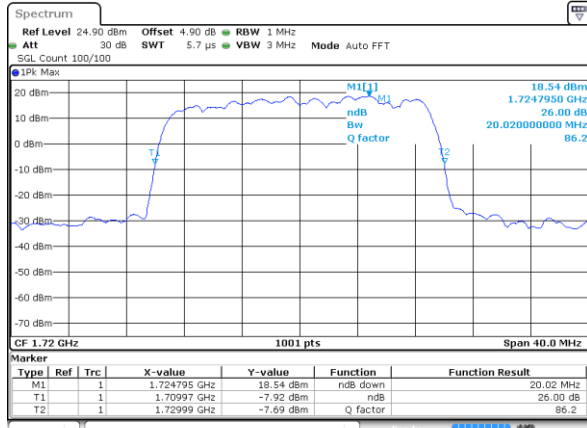


Date: 4 DEC 2019 13:52:27



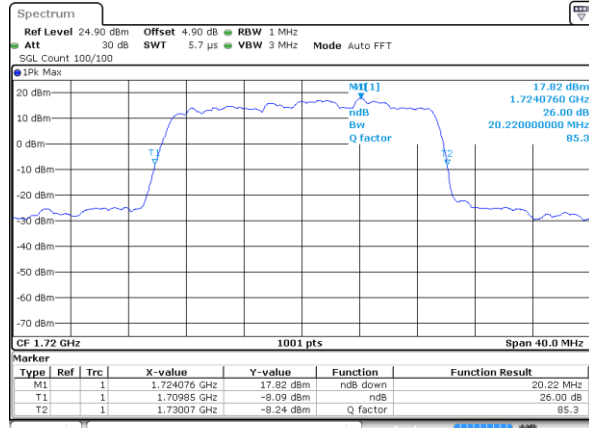
LTE Band 66

Lowest Channel / 20MHz / QPSK



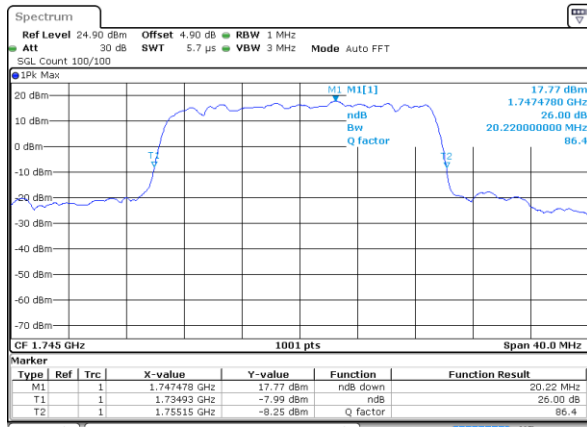
Date: 4 DEC 2019 14:19:05

Lowest Channel / 20MHz / 16QAM



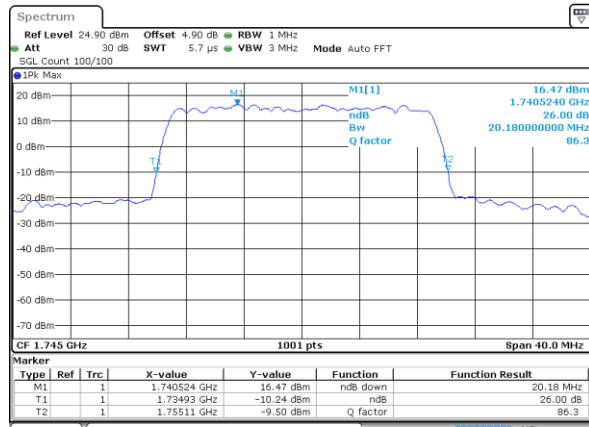
Date: 4 DEC 2019 14:20:00

Middle Channel / 20MHz / QPSK



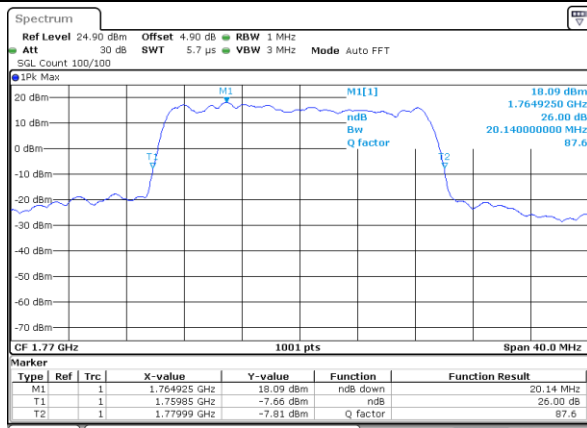
Date: 4 DEC 2019 14:22:05

Middle Channel / 20MHz / 16QAM



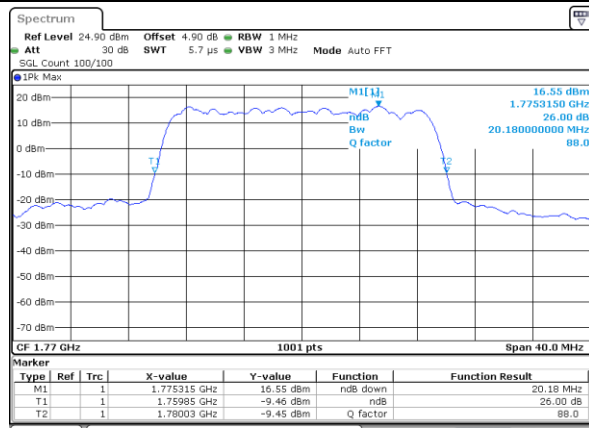
Date: 4 DEC 2019 14:21:26

Highest Channel / 20MHz / QPSK



Date: 4 DEC 2019 14:25:23

Highest Channel / 20MHz / 16QAM



Date: 4 DEC 2019 14:25:55

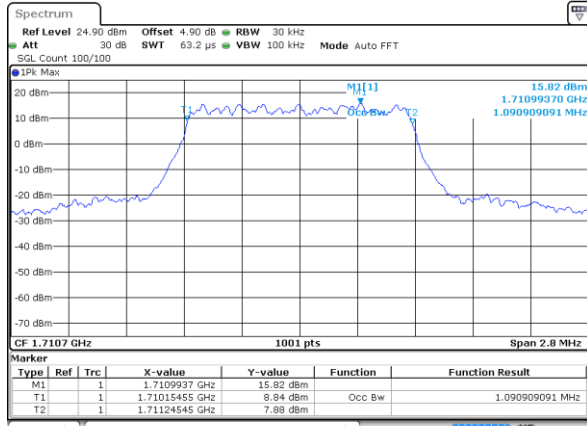
**Occupied Bandwidth**

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
Lowest CH	1.091	1.097	2.721	2.721	4.496	4.505	8.991	8.991	13.397	13.277	18.182	18.102
Middle CH	1.097	1.094	2.727	2.733	4.496	4.486	9.091	9.011	13.457	13.397	18.262	18.262
Highest CH	1.097	1.088	2.727	2.733	4.476	4.496	9.011	9.011	13.397	13.487	18.222	18.422

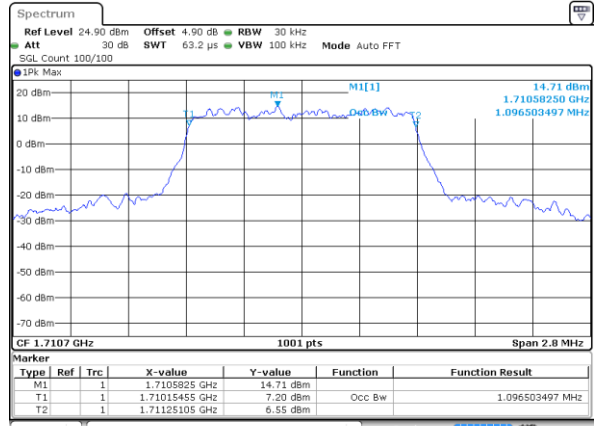


LTE Band 66

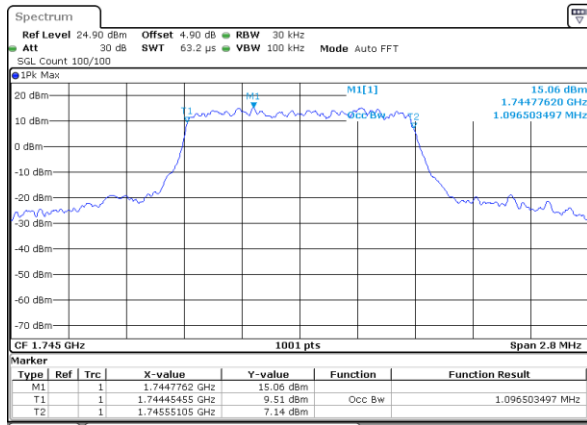
Lowest Channel / 1.4MHz / QPSK



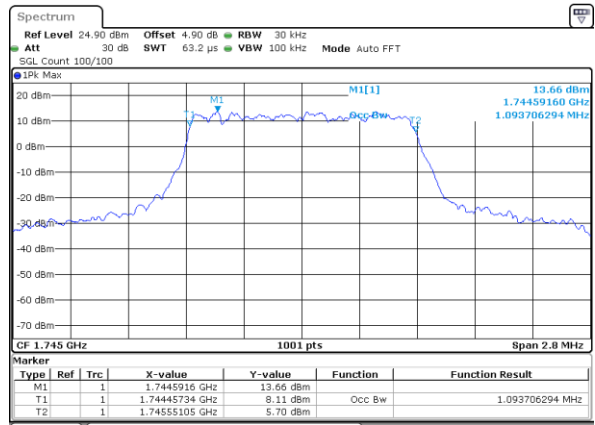
Lowest Channel / 1.4MHz / 16QAM



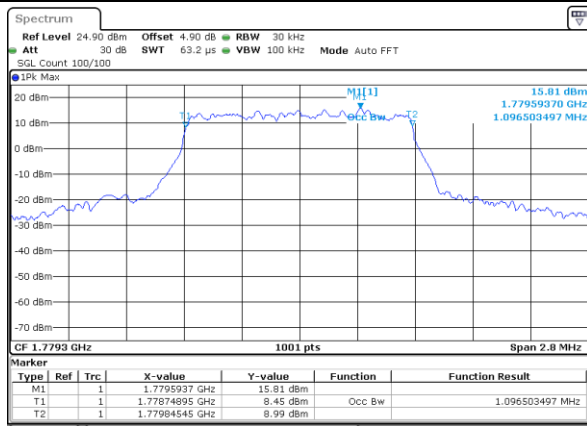
Middle Channel / 1.4MHz / QPSK



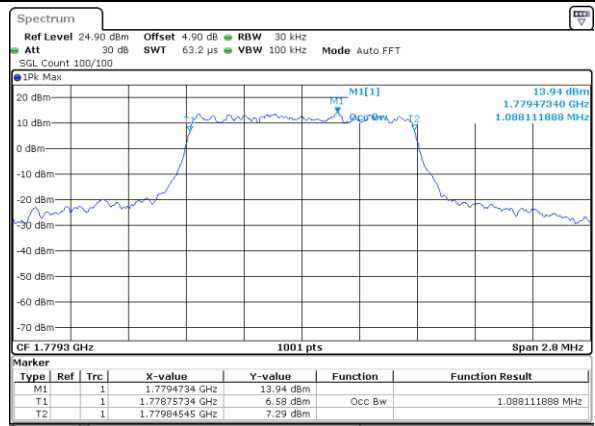
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



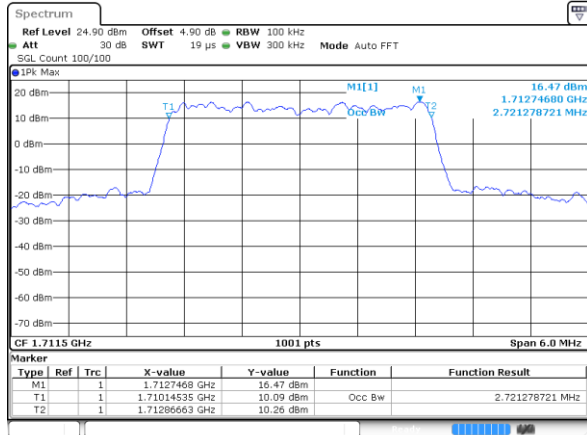
Highest Channel / 1.4MHz / 16QAM





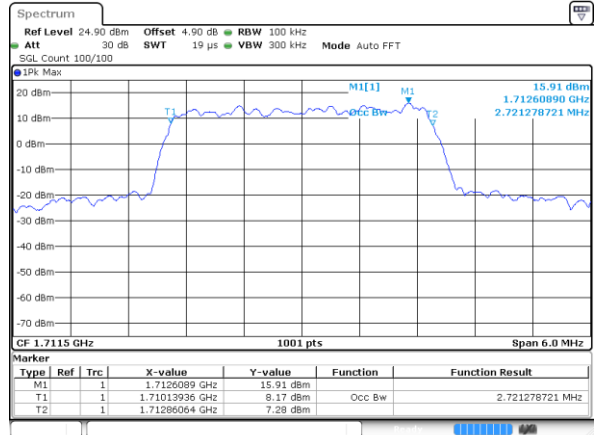
LTE Band 66

Lowest Channel / 3MHz / QPSK



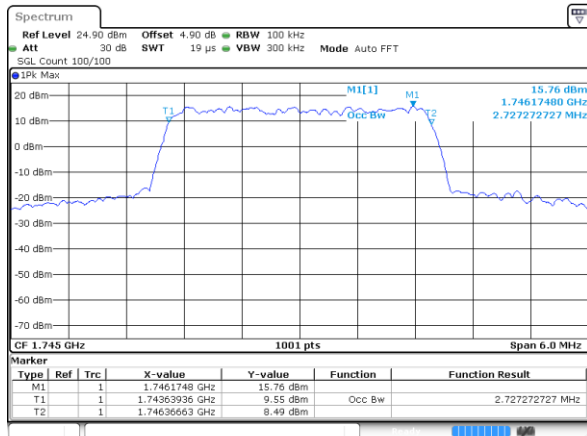
Date: 4 DEC 2019 10:36:13

Lowest Channel / 3MHz / 16QAM



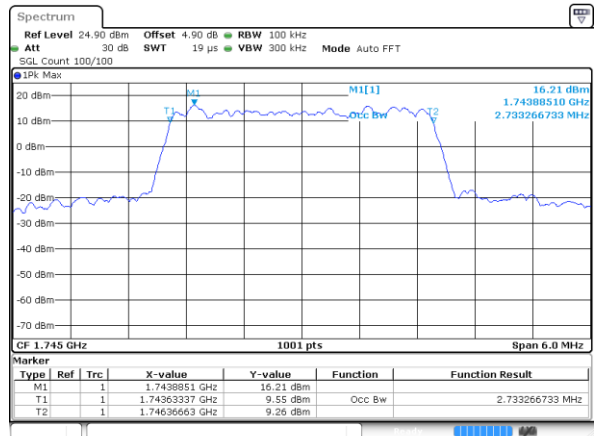
Date: 4 DEC 2019 10:39:32

Middle Channel / 3MHz / QPSK



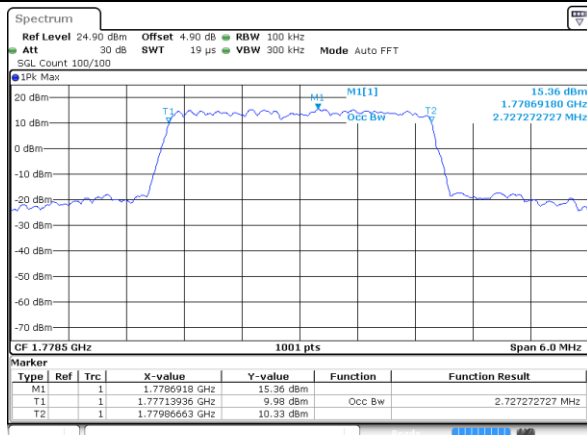
Date: 4 DEC 2019 10:41:35

Middle Channel / 3MHz / 16QAM



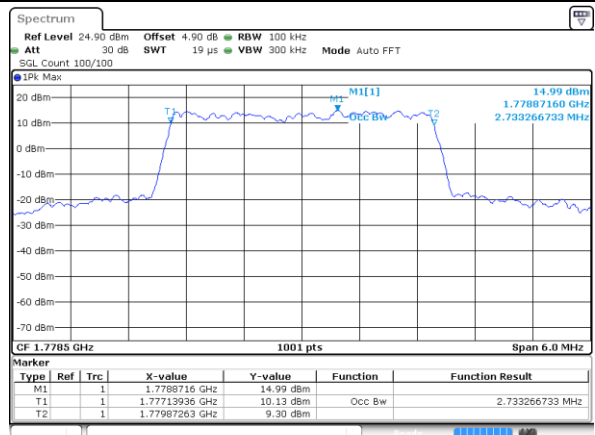
Date: 4 DEC 2019 10:41:10

Highest Channel / 3MHz / QPSK



Date: 4 DEC 2019 10:42:25

Highest Channel / 3MHz / 16QAM



Date: 4 DEC 2019 10:43:46