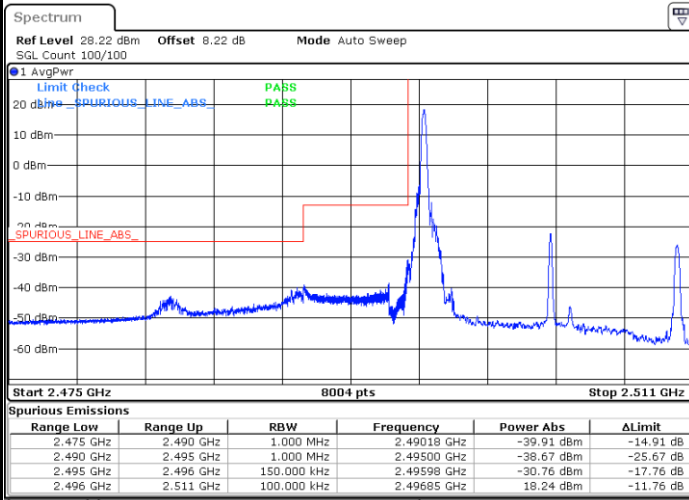


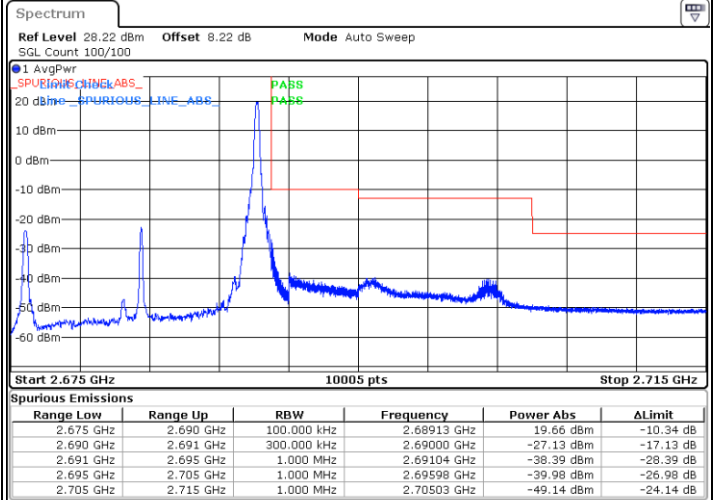


LTE Band 41 / 15MHz / 64QAM

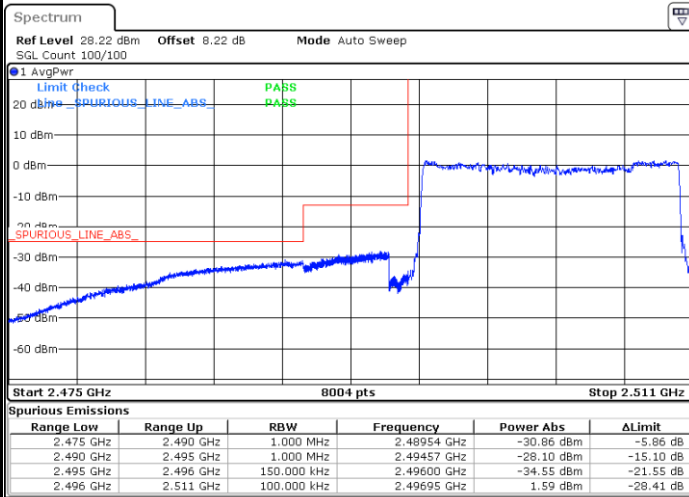
Lowest Band Edge / 1 RB



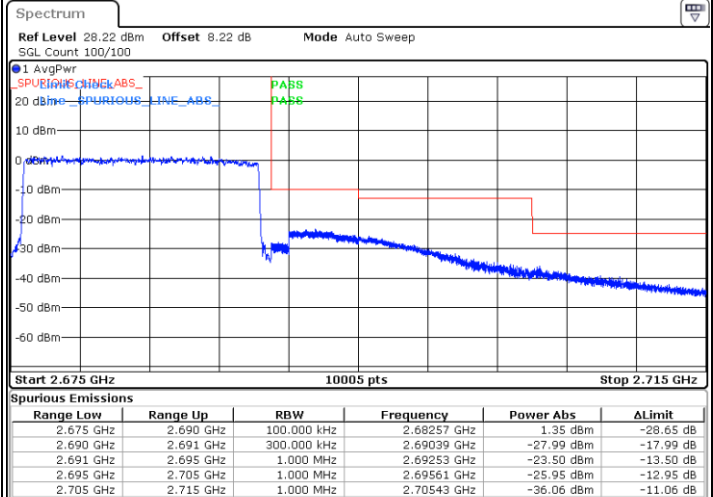
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



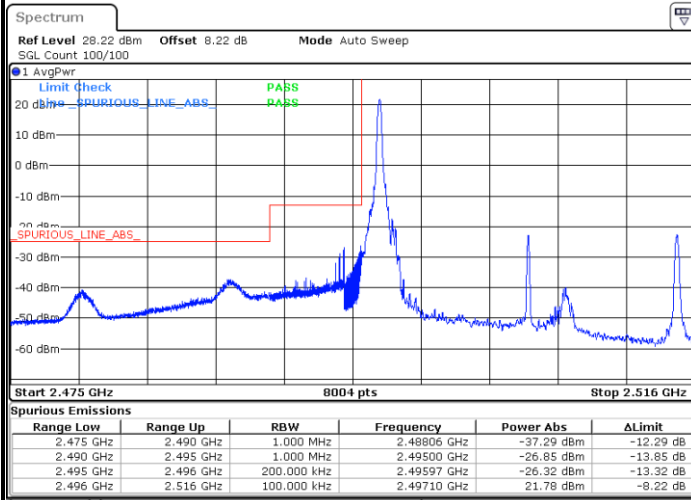
Highest Band Edge / Full RB



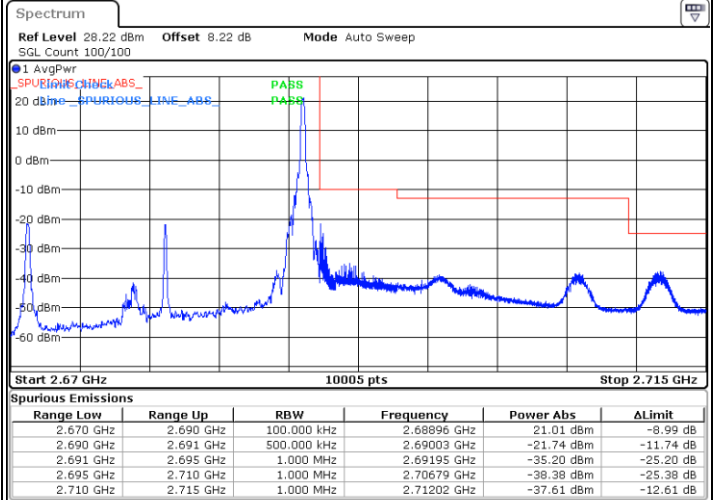


LTE Band 41 / 20MHz / QPSK

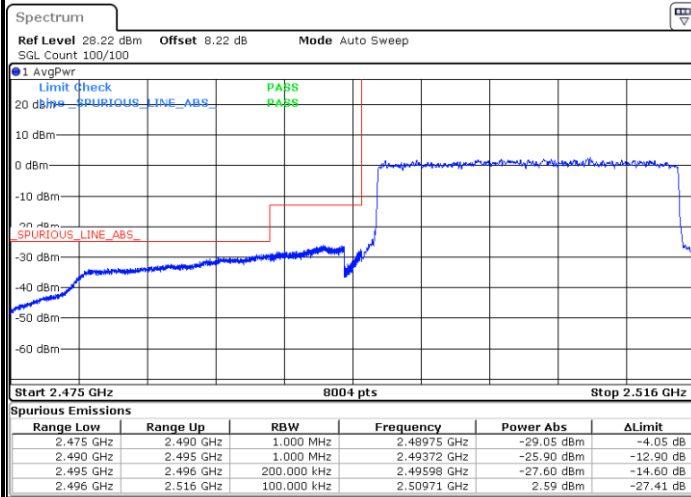
Lowest Band Edge / 1 RB



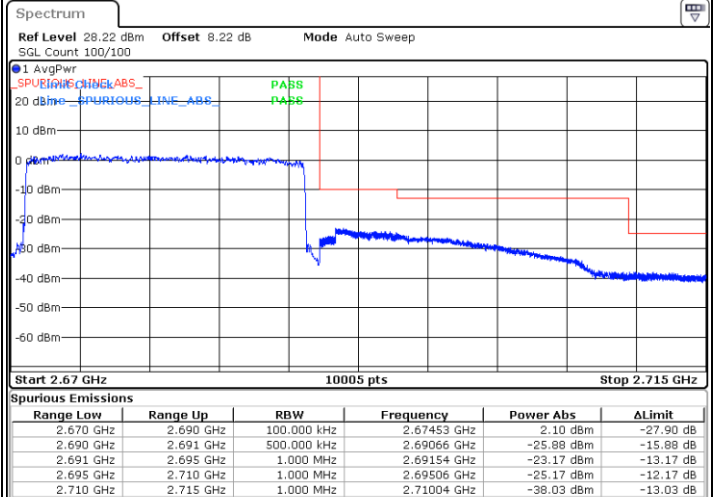
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



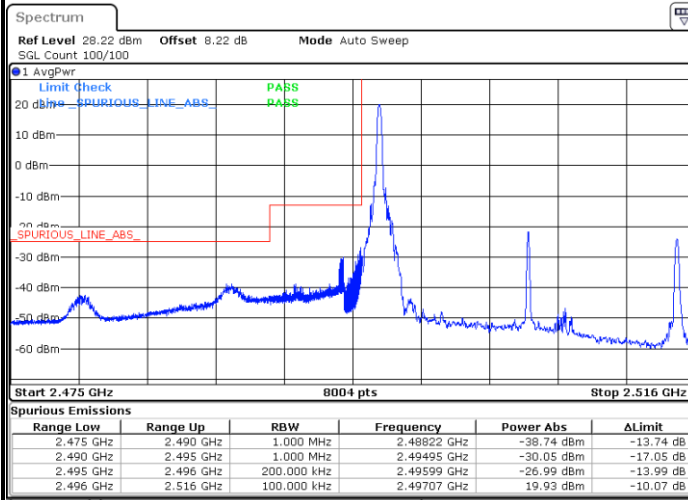
Highest Band Edge / Full RB





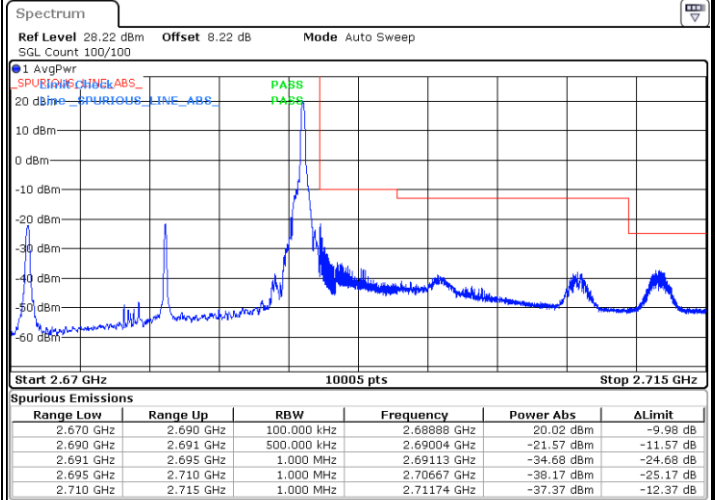
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



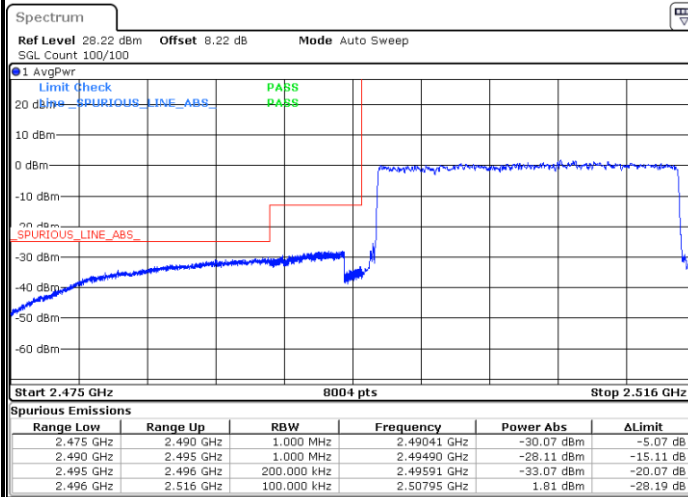
Date: 16 JAN 2020 13:06:33

Highest Band Edge / 1 RB



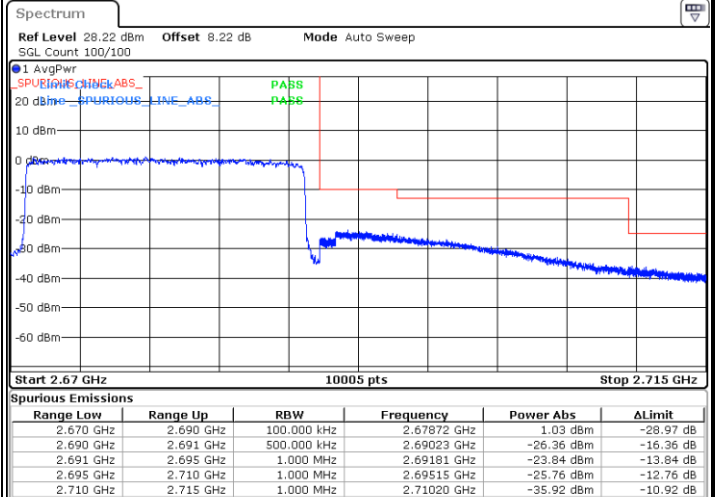
Date: 16 JAN 2020 13:14:44

Lowest Band Edge / Full RB



Date: 16 JAN 2020 13:08:49

Highest Band Edge / Full RB

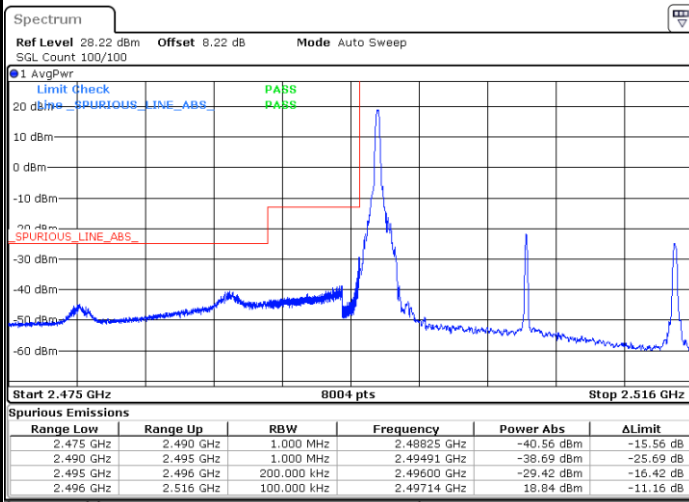


Date: 16 JAN 2020 13:15:52

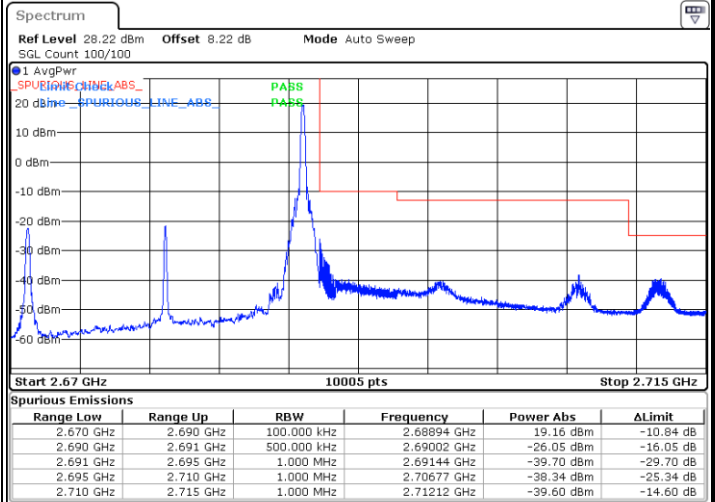


LTE Band 41 / 20MHz / 64QAM

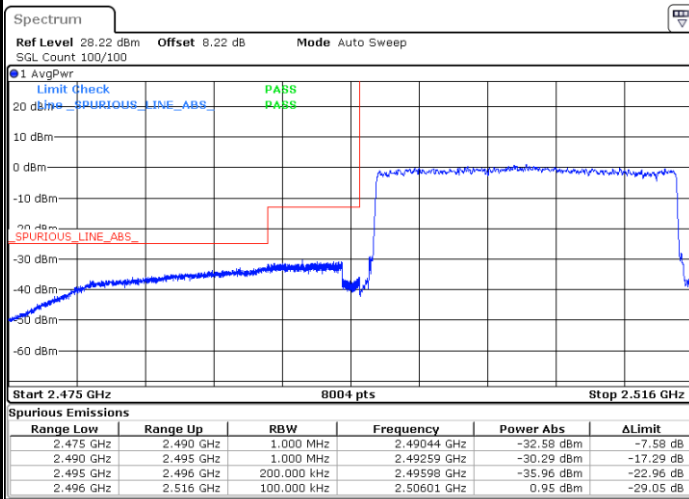
Lowest Band Edge / 1 RB



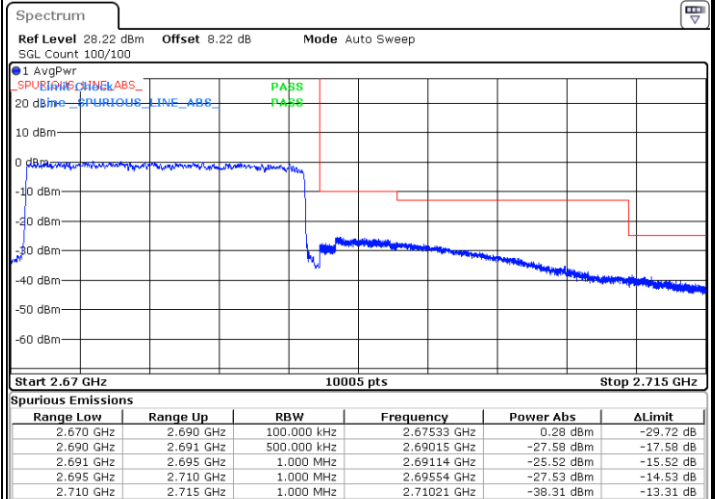
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

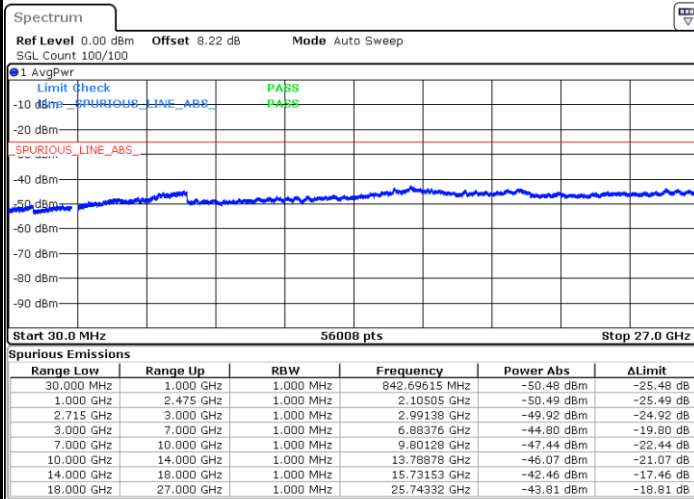




Conducted Spurious Emission

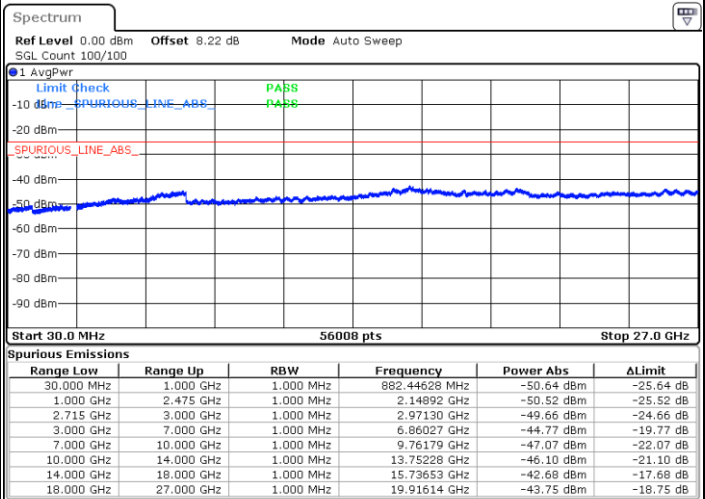
LTE Band 41 / 5MHz

Lowest Channel / QPSK



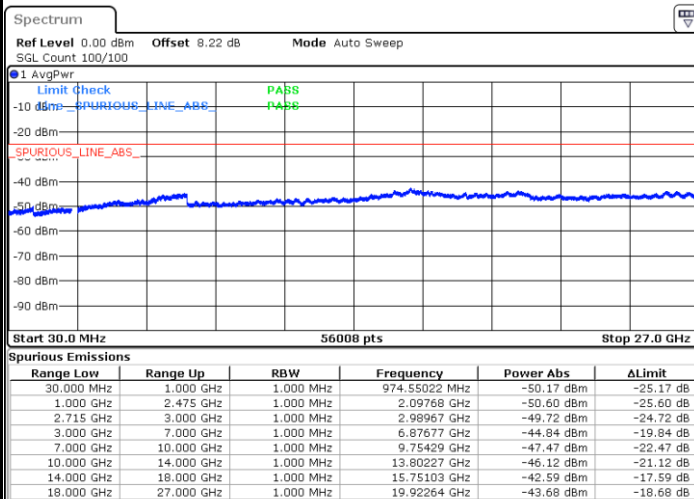
Date: 16 JAN 2020 12:26:08

Lowest Channel / 16QAM



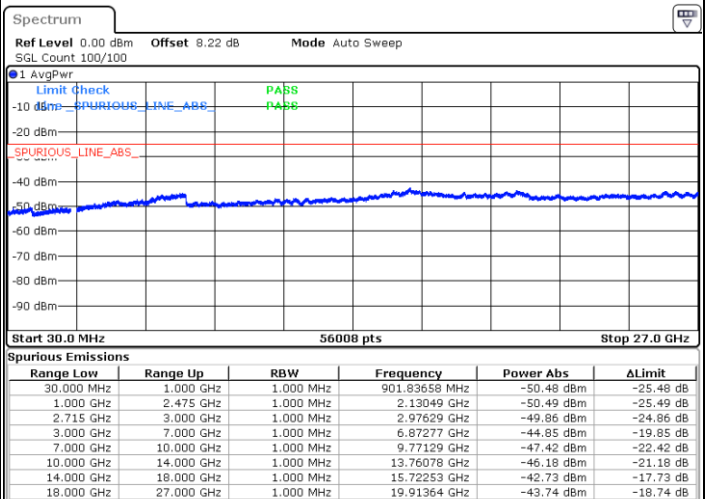
Date: 16 JAN 2020 12:27:02

Middle Channel / QPSK



Date: 16 JAN 2020 12:27:57

Middle Channel / 16QAM

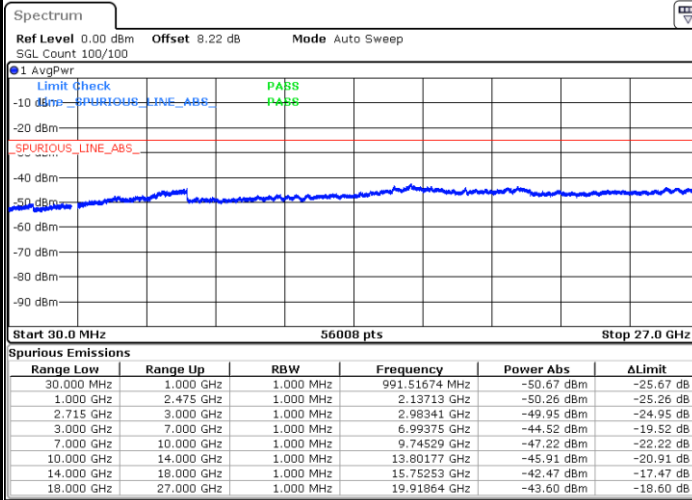


Date: 16 JAN 2020 12:28:52



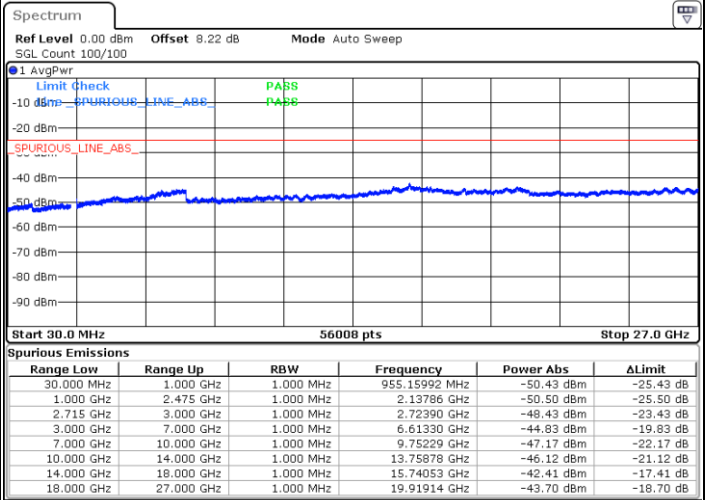
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 16 JAN 2020 12:34:18

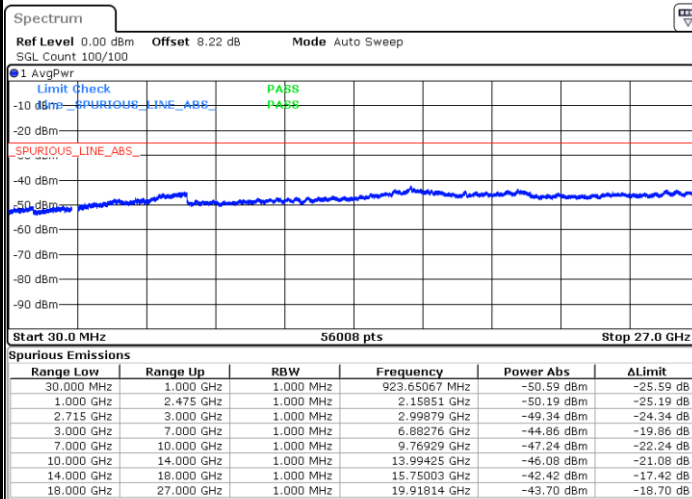
Highest Channel / 16QAM



Date: 16 JAN 2020 12:35:13

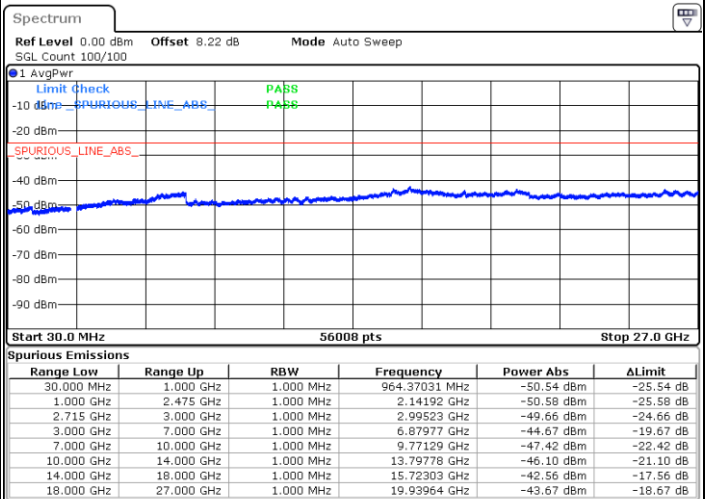
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 16 JAN 2020 12:40:40

Lowest Channel / 16QAM

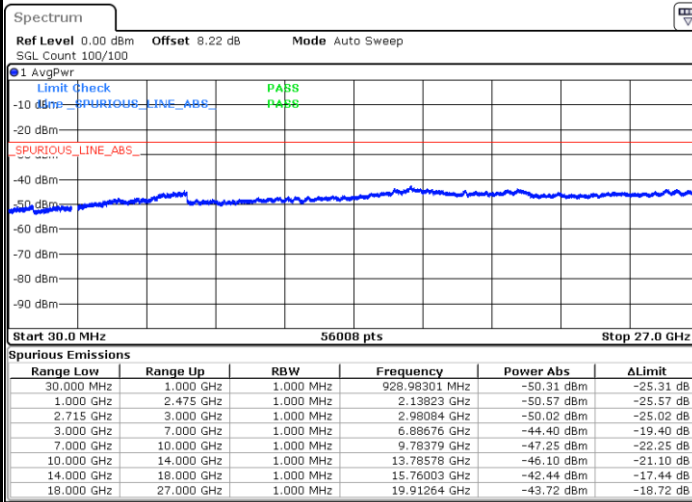


Date: 16 JAN 2020 12:41:34



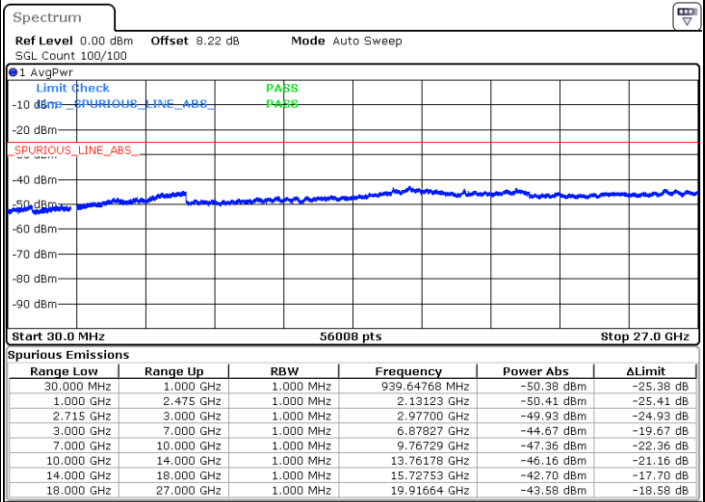
LTE Band 41 / 10MHz

Middle Channel / QPSK



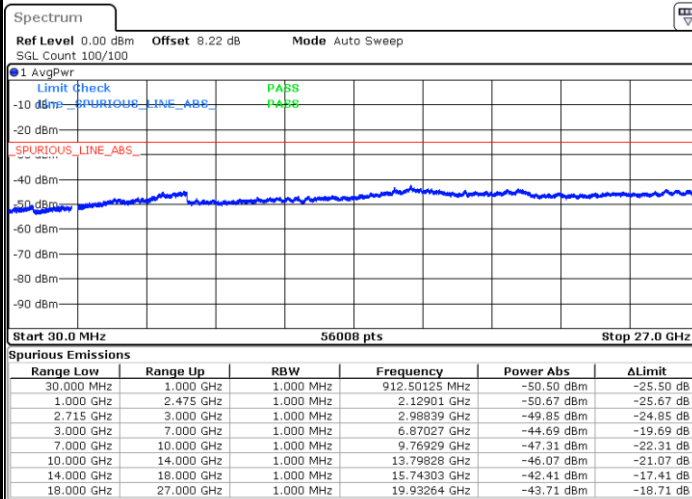
Date: 16 JAN 2020 12:42:29

Middle Channel / 16QAM



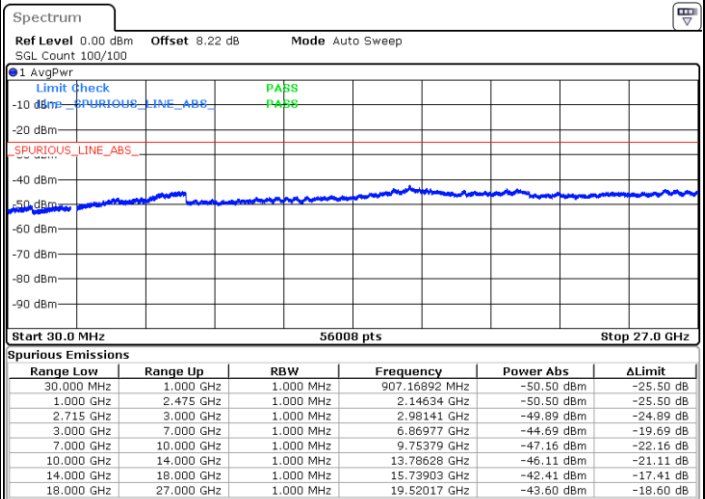
Date: 16 JAN 2020 12:43:23

Highest Channel / QPSK



Date: 16 JAN 2020 12:48:50

Highest Channel / 16QAM

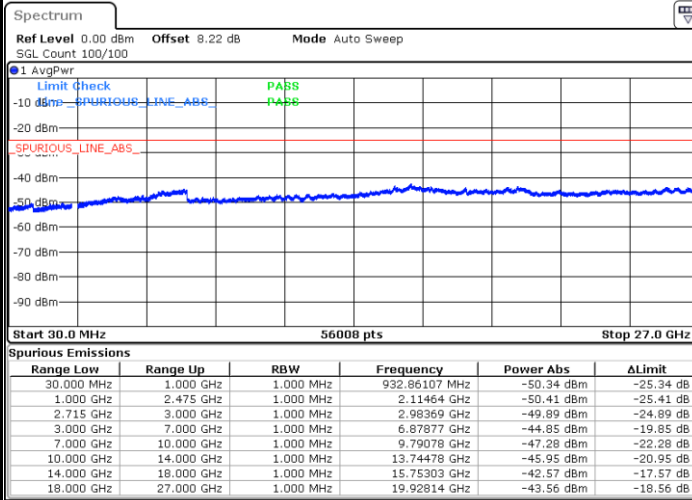


Date: 16 JAN 2020 12:49:45



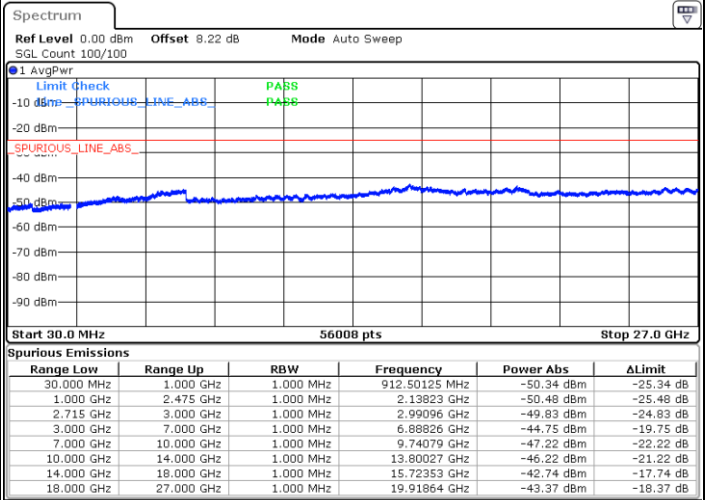
LTE Band 41 / 15MHz

Lowest Channel / QPSK



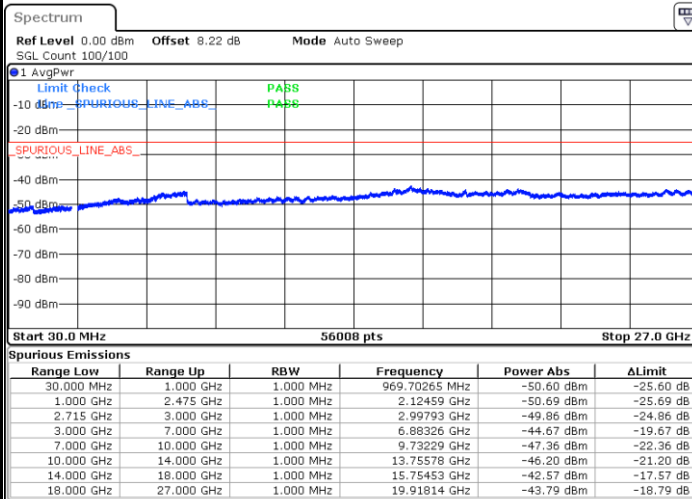
Date: 16 JAN 2020 12:55:11

Lowest Channel / 16QAM



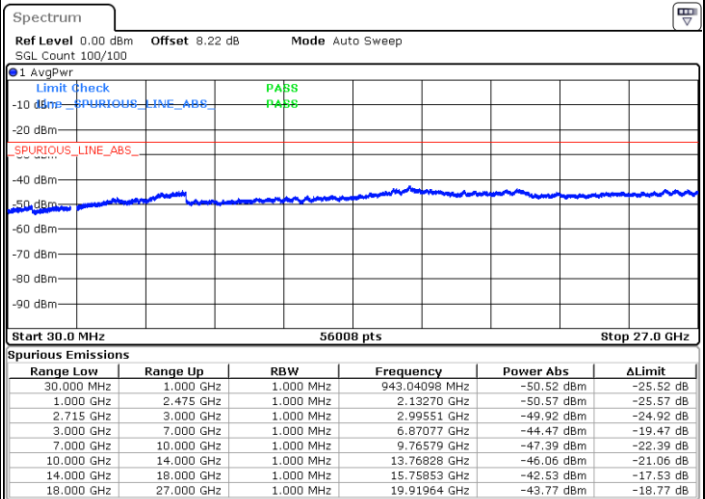
Date: 16 JAN 2020 12:56:06

Middle Channel / QPSK



Date: 16 JAN 2020 12:57:00

Middle Channel / 16QAM

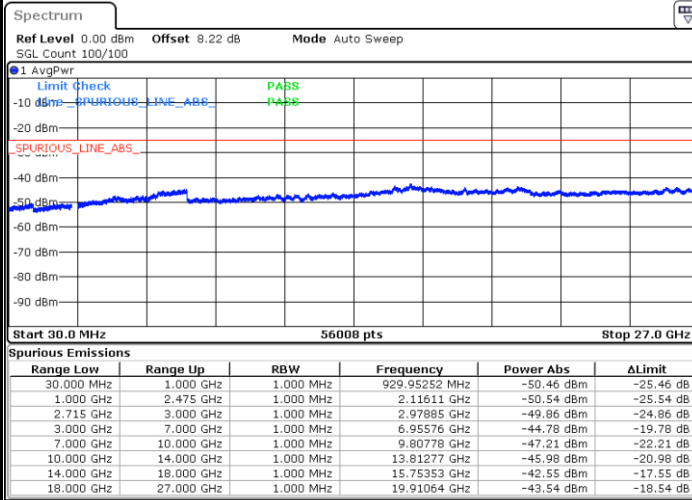


Date: 16 JAN 2020 12:57:55



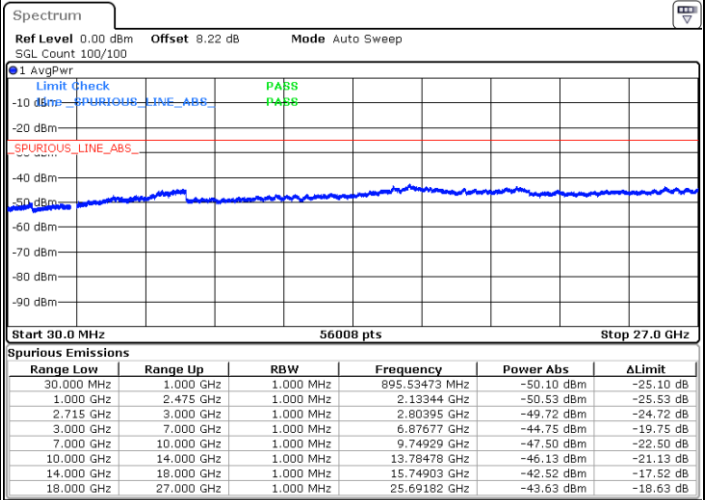
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 16 JAN 2020 13:03:22

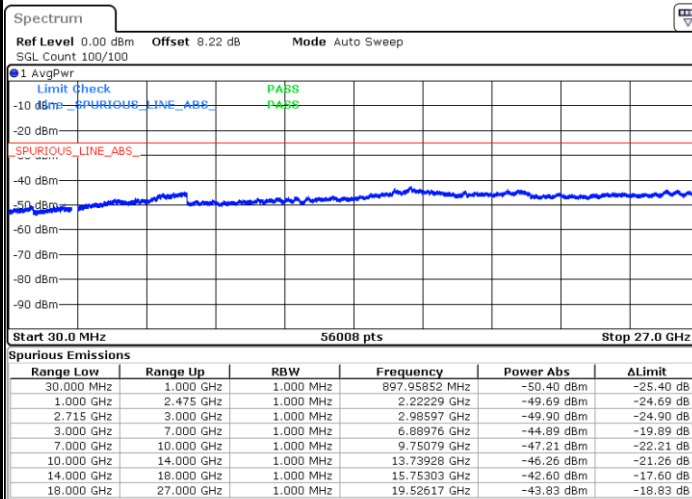
Highest Channel / 16QAM



Date: 16 JAN 2020 13:04:16

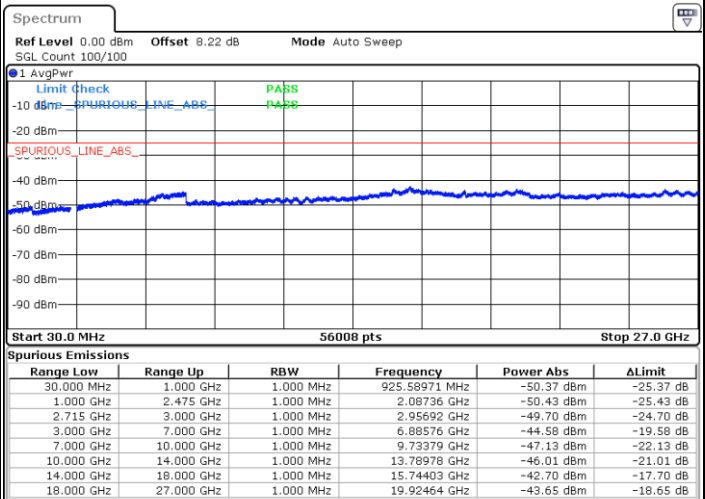
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 16 JAN 2020 13:09:43

Lowest Channel / 16QAM

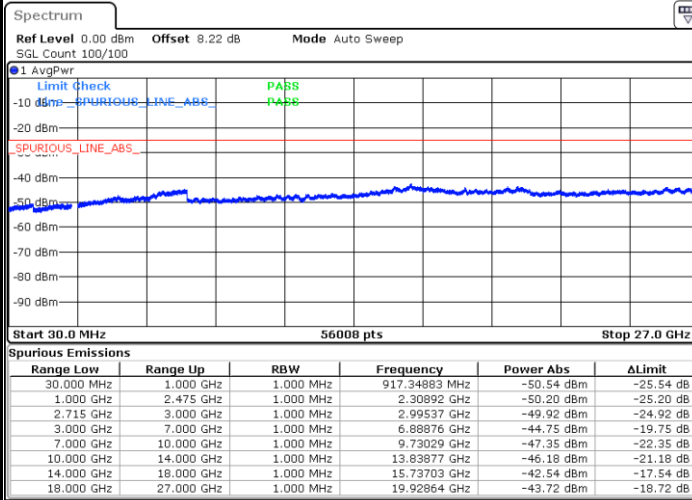


Date: 16 JAN 2020 13:10:37



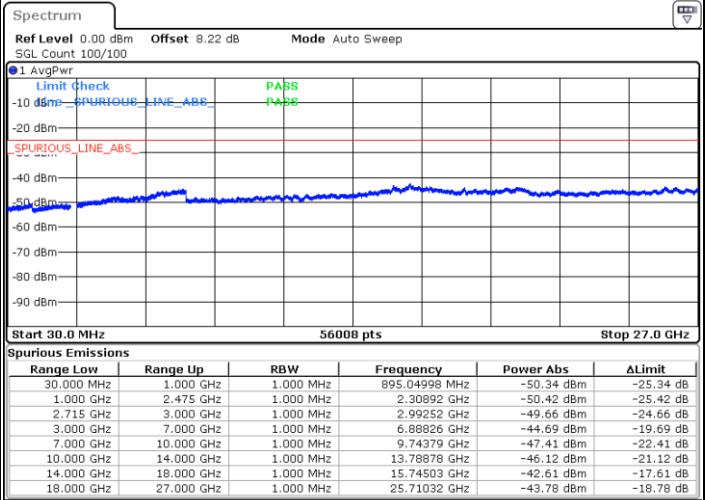
LTE Band 41 / 20MHz

Middle Channel / QPSK



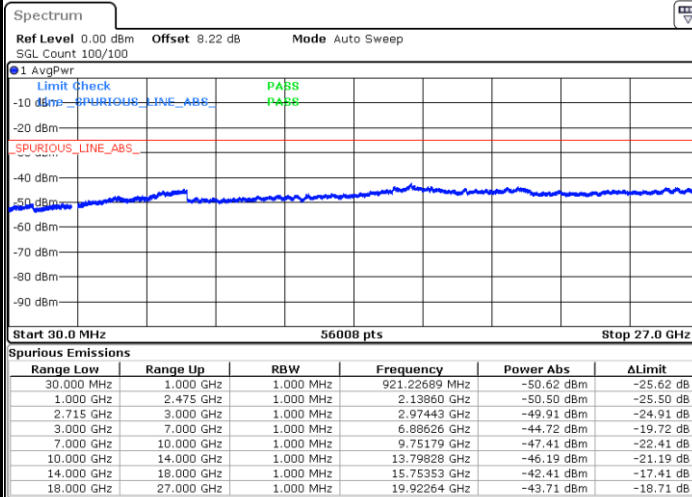
Date: 16 JAN 2020 13:11:32

Middle Channel / 16QAM



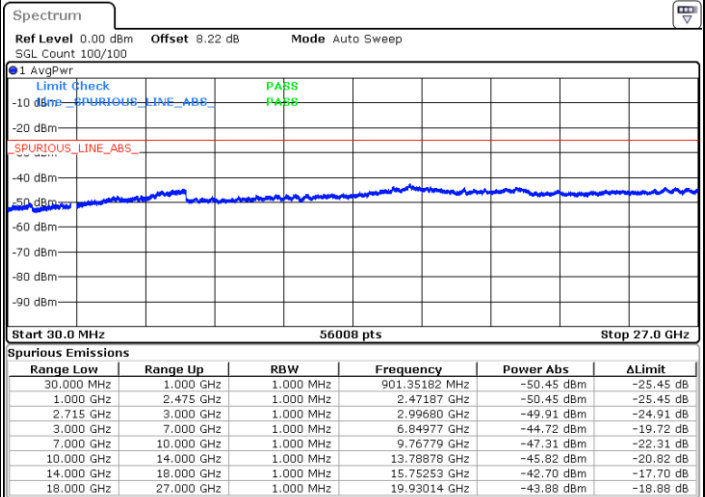
Date: 16 JAN 2020 13:12:27

Highest Channel / QPSK



Date: 16 JAN 2020 13:17:53

Highest Channel / 16QAM

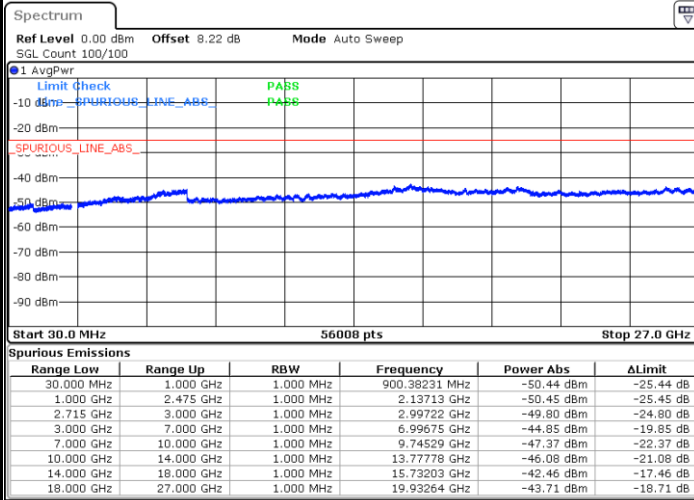


Date: 16 JAN 2020 13:18:48



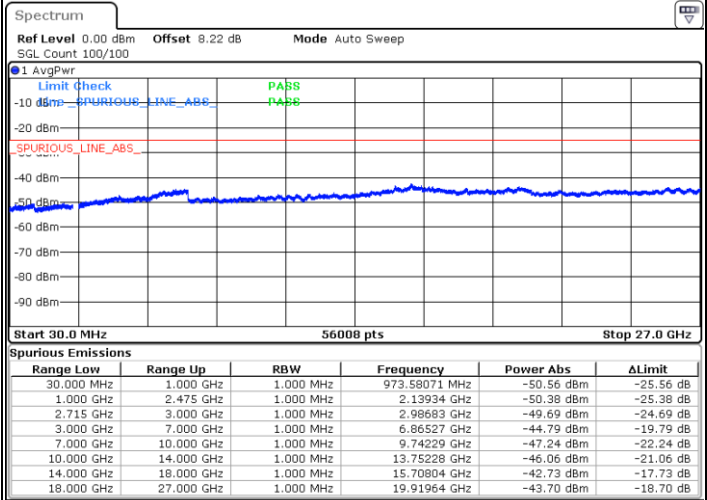
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



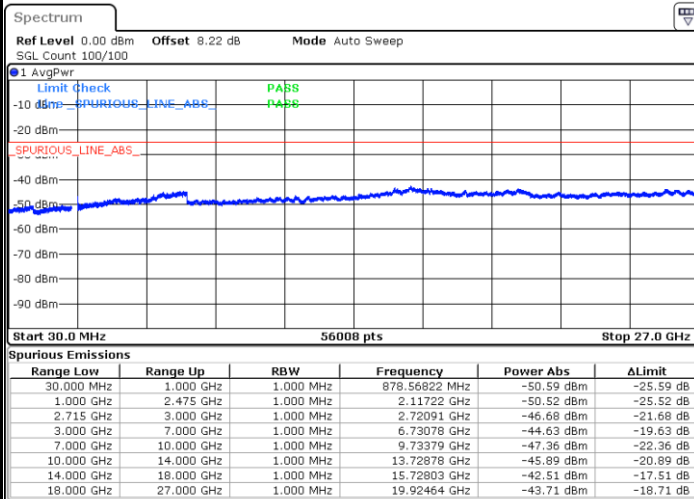
Date: 16 JAN 2020 13:51:43

Middle Channel / 64QAM



Date: 16 JAN 2020 13:52:38

Highest Channel / 64QAM

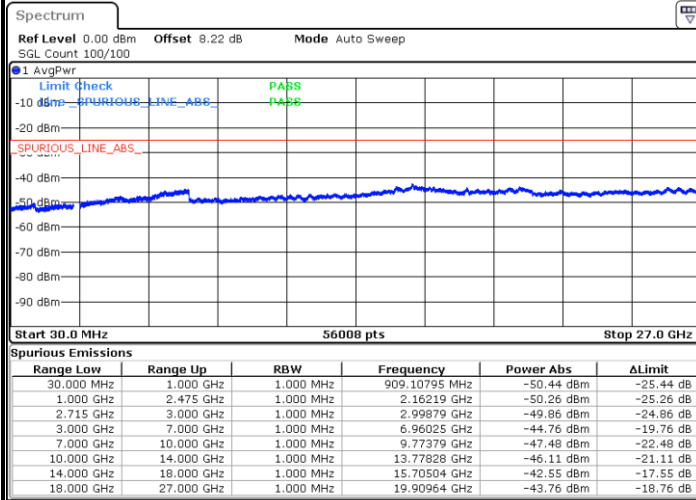


Date: 16 JAN 2020 13:53:32



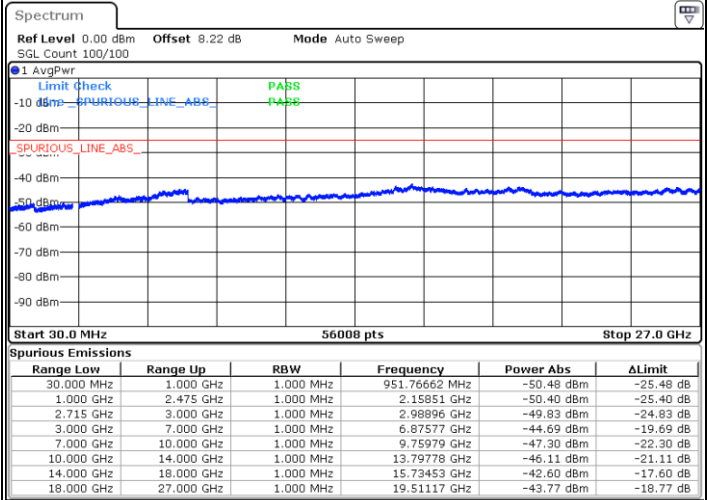
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



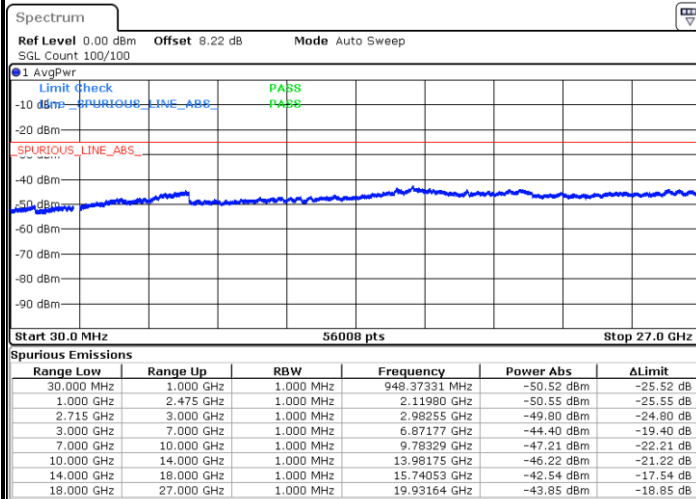
Date: 16 JAN 2020 13:54:27

Middle Channel / 64QAM



Date: 16 JAN 2020 13:55:22

Highest Channel / 64QAM

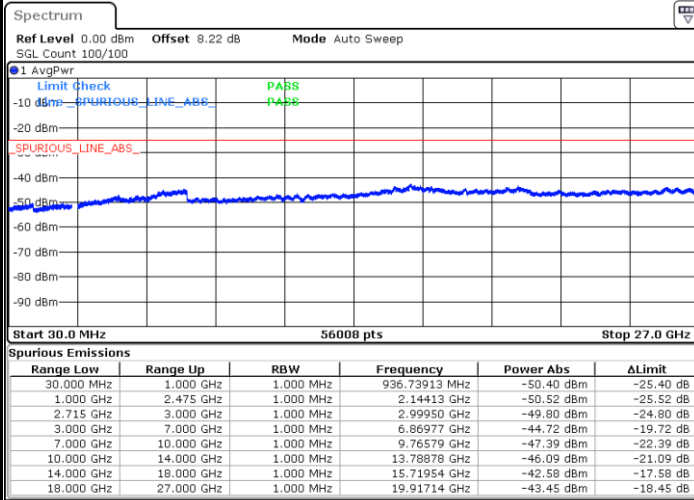


Date: 16 JAN 2020 13:56:16



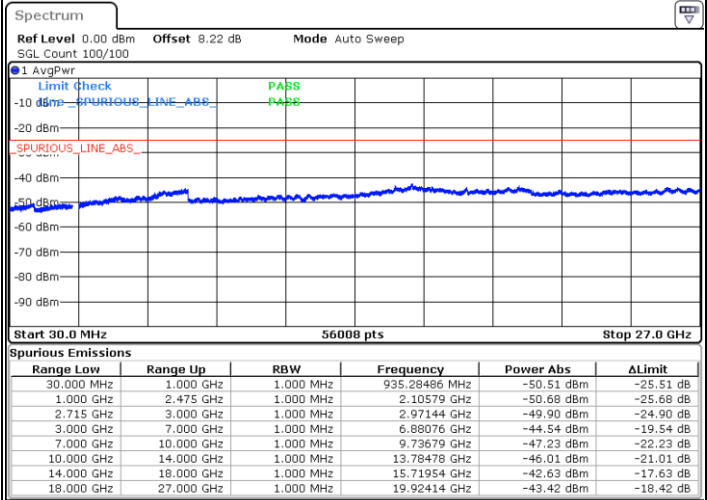
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



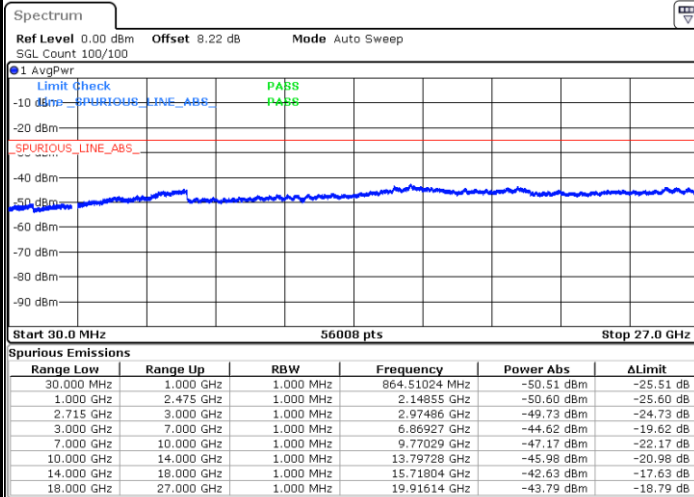
Date: 16 JAN 2020 13:57:11

Middle Channel / 64QAM



Date: 16 JAN 2020 13:58:05

Highest Channel / 64QAM

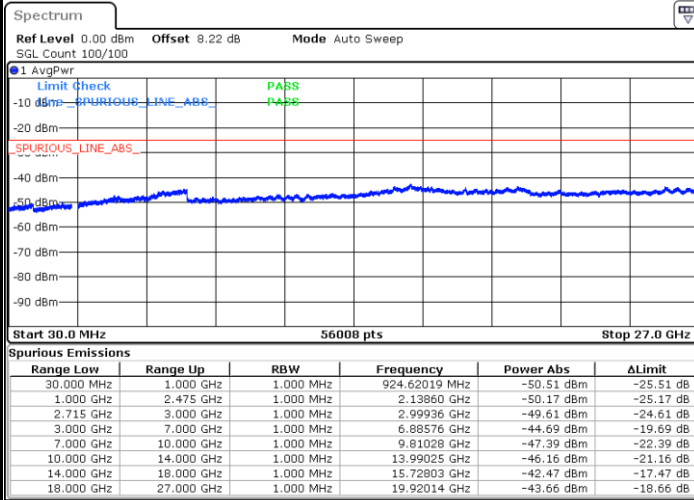


Date: 16 JAN 2020 13:59:00



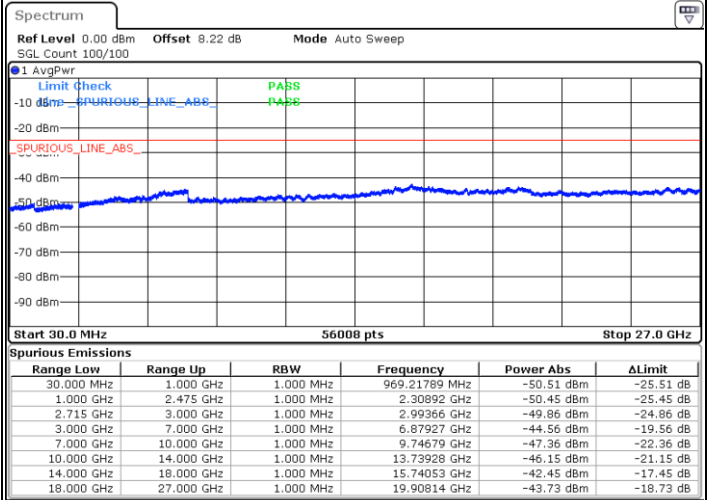
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



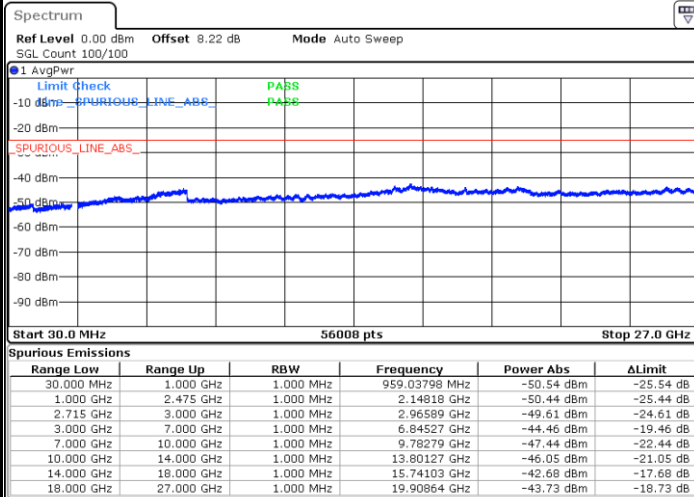
Date: 16 JAN 2020 13:59:55

Middle Channel / 64QAM



Date: 16 JAN 2020 14:00:49

Highest Channel / 64QAM



Date: 16 JAN 2020 14:01:44

**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	0.0010	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

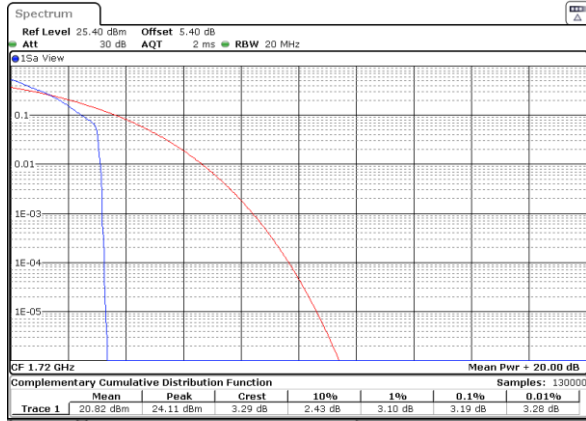
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.19	4.35	4.55	5.65	PASS
Middle CH	3.19	4.43	5.07	5.65	
Highest CH	3.48	4.41	5.04	5.65	
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.00	6.20			PASS
Middle CH	5.59	6.35			
Highest CH	6.43	6.29			

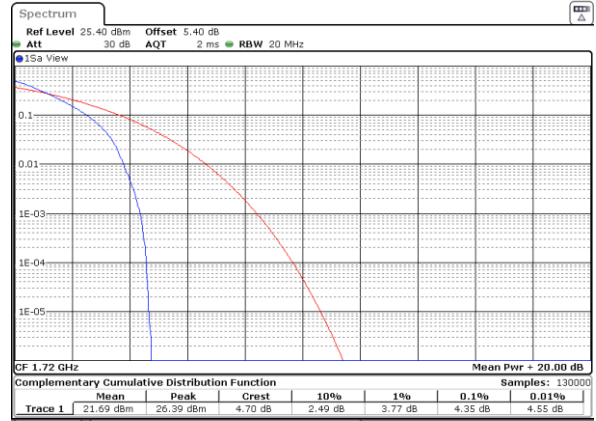


LTE Band 66 / 20MHz / QPSK

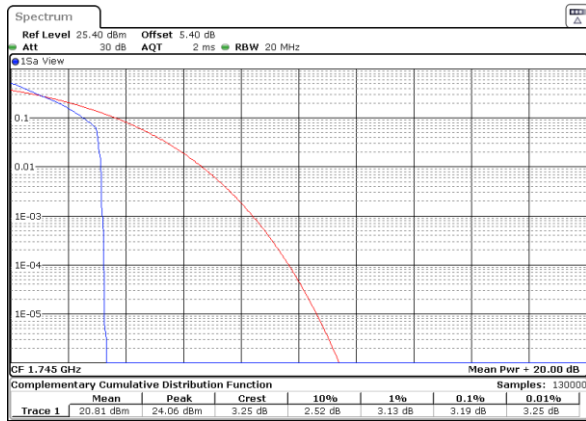
Lowest Channel / 1RB



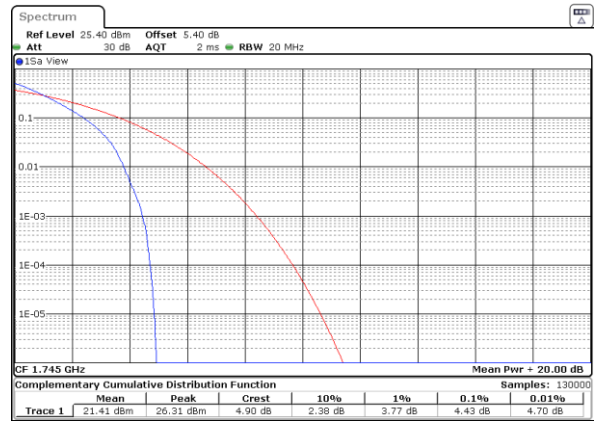
Lowest Channel / Full RB



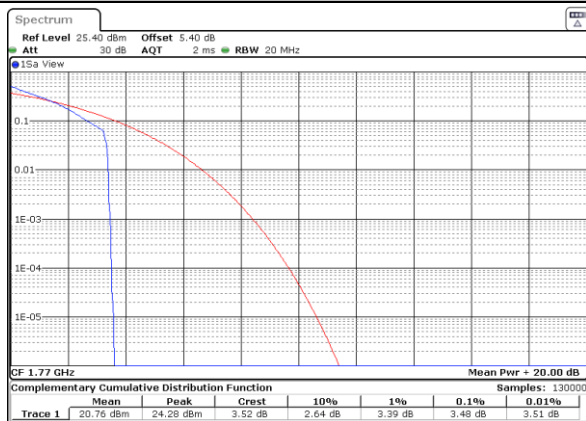
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



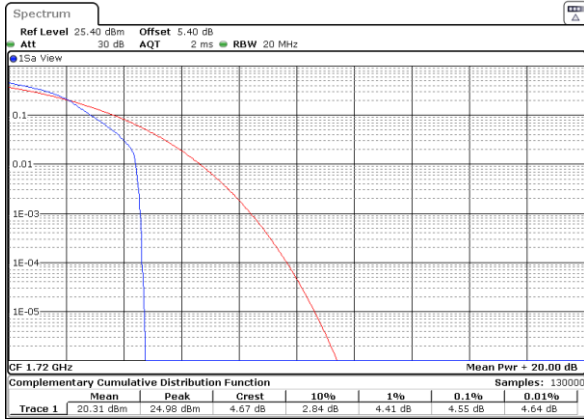
Highest Channel / Full RB



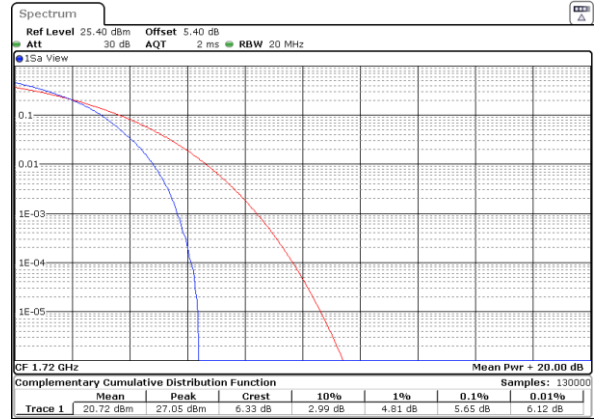


LTE Band 66 / 20MHz / 16QAM

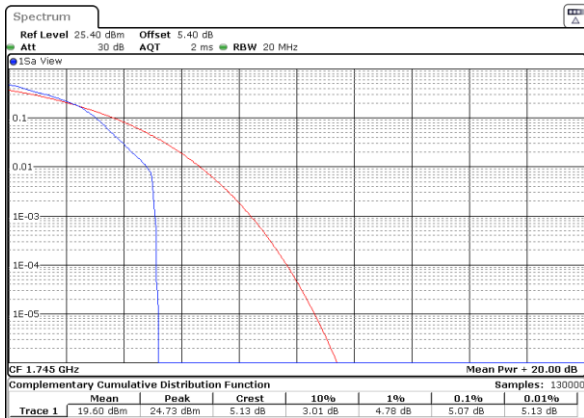
Lowest Channel / 1RB



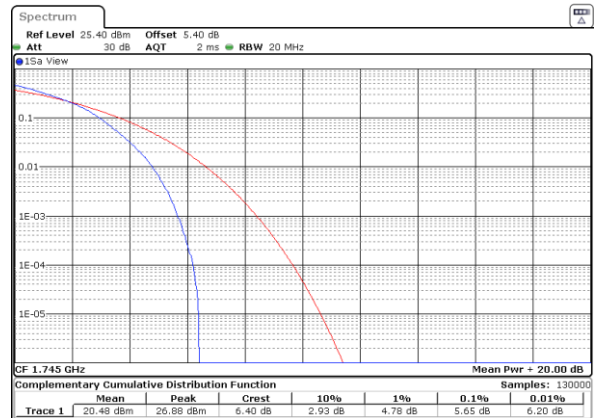
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



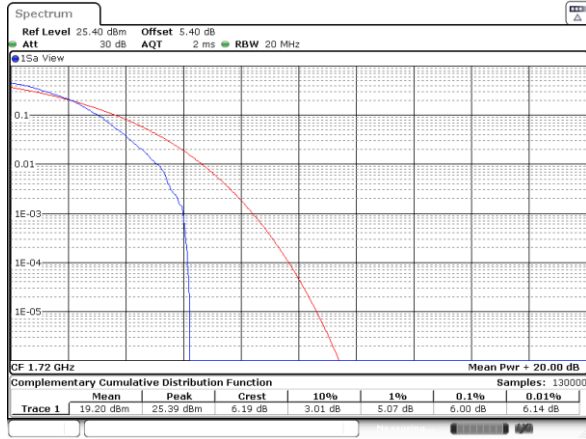
Highest Channel / Full RB



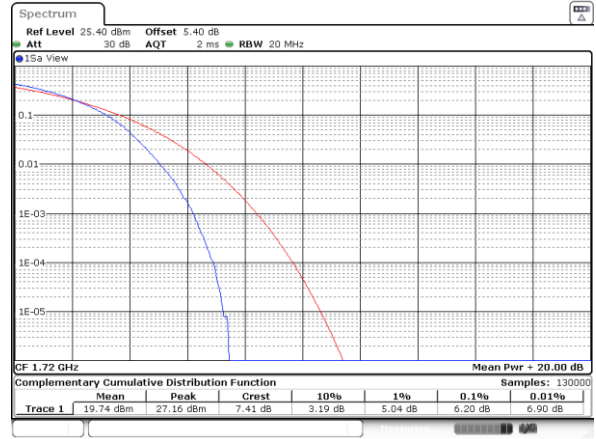


LTE Band 66 / 20MHz / 64QAM

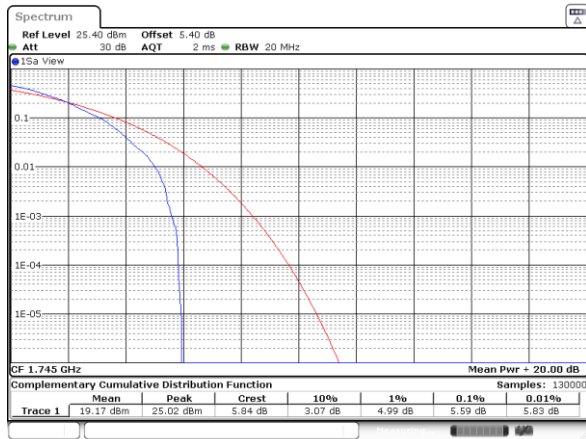
Lowest Channel / 1RB



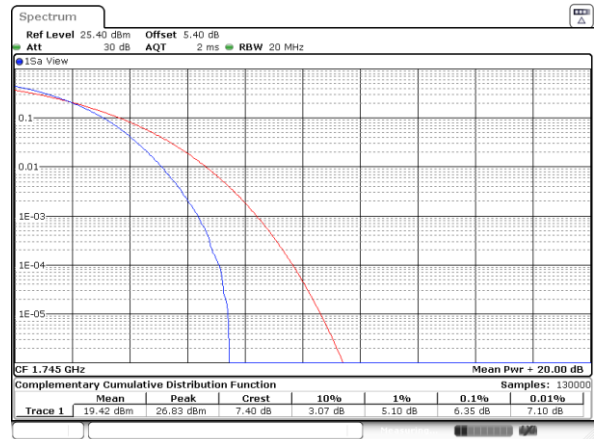
Lowest Channel / Full RB



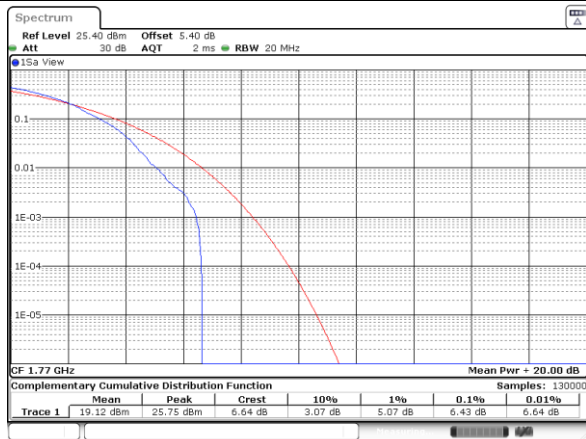
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



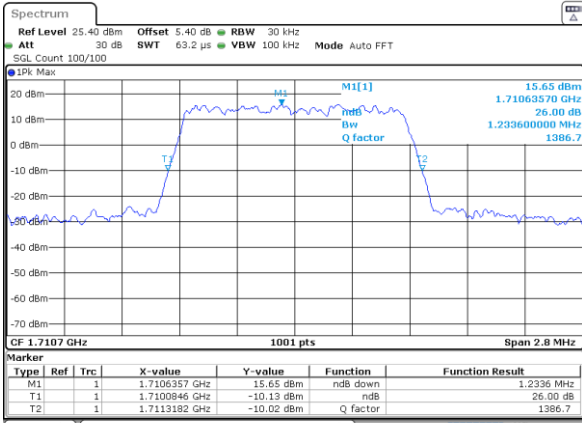
**26dB Bandwidth**

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	1.234	1.228	3.015	3.033	4.975	4.895	9.81	9.89	14.476	14.655	20.14	20.22
Middle CH	1.220	1.228	2.991	3.027	4.855	4.885	9.91	9.71	14.476	14.476	20.18	20.22
Highest CH	1.228	1.225	3.009	3.069	4.845	4.975	9.73	9.71	14.326	14.416	20.06	20.14
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.225		3.003		4.945		9.79		14.446		20.14	
Middle CH	1.228		3.015		4.885		9.77		14.266		20.26	
Highest CH	1.231		3.015		4.835		9.77		14.176		20.18	



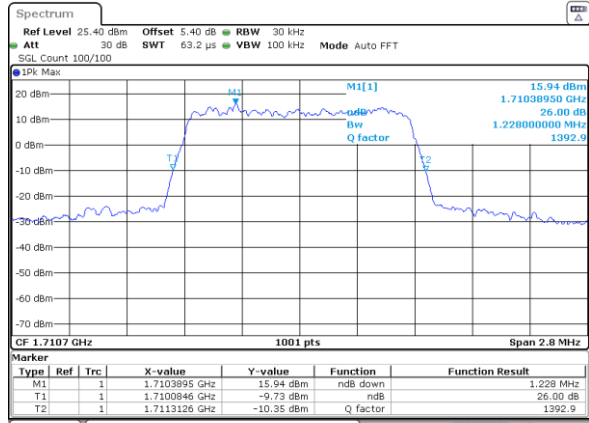
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



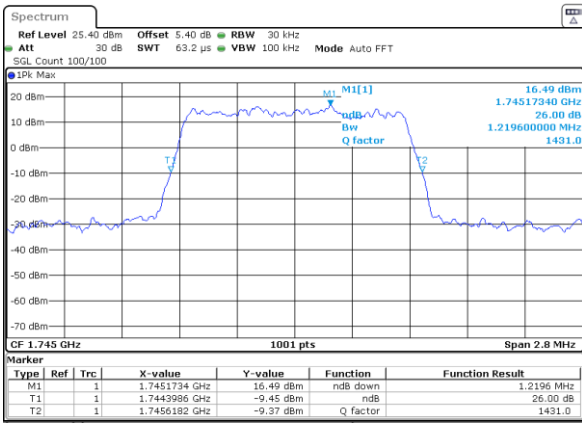
Date: 19 JAN 2020 01:44:55

Lowest Channel / 1.4MHz / 16QAM



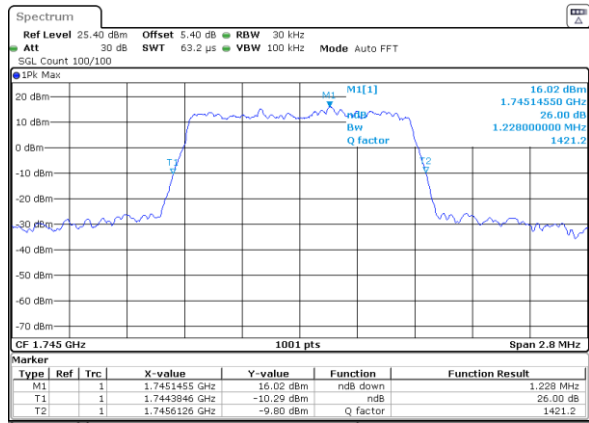
Date: 19 JAN 2020 01:46:34

Middle Channel / 1.4MHz / QPSK



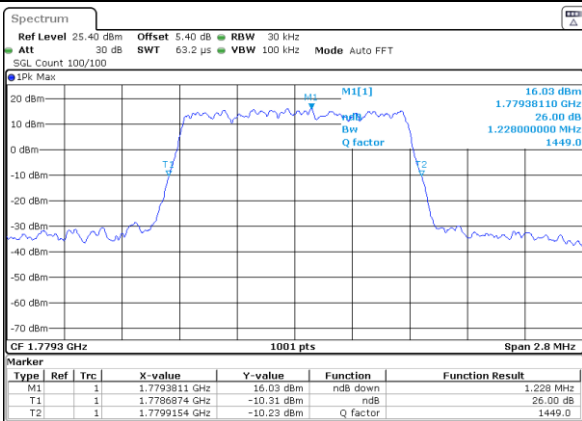
Date: 19 JAN 2020 01:57:37

Middle Channel / 1.4MHz / 16QAM



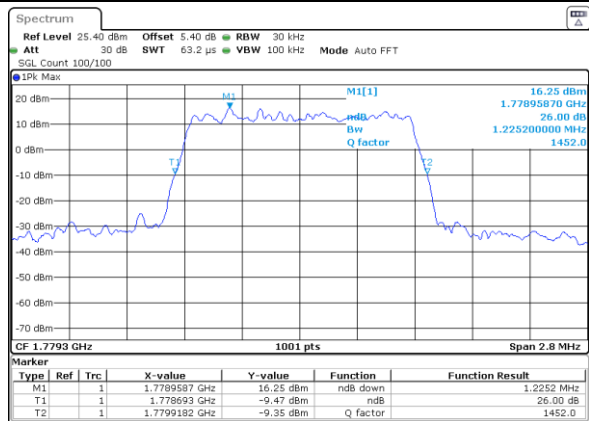
Date: 19 JAN 2020 01:57:21

Highest Channel / 1.4MHz / QPSK



Date: 19 JAN 2020 01:58:05

Highest Channel / 1.4MHz / 16QAM

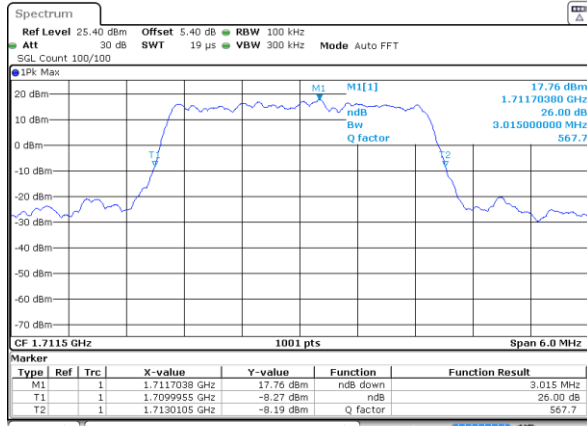


Date: 19 JAN 2020 01:59:26



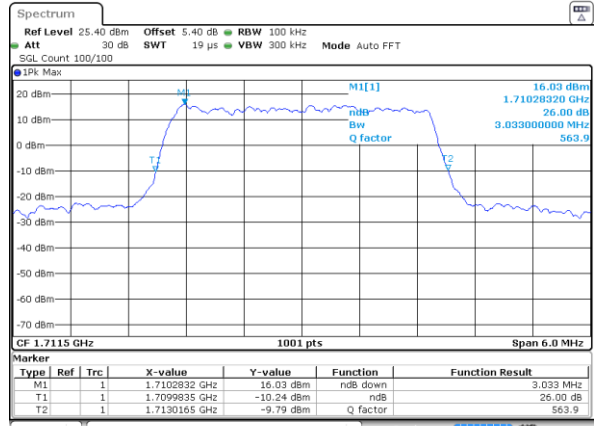
LTE Band 66

Lowest Channel / 3MHz / QPSK



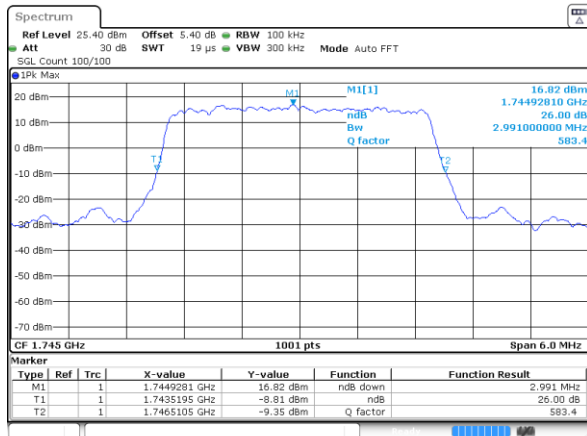
Date: 19 JAN 2020 02:15:52

Lowest Channel / 3MHz / 16QAM



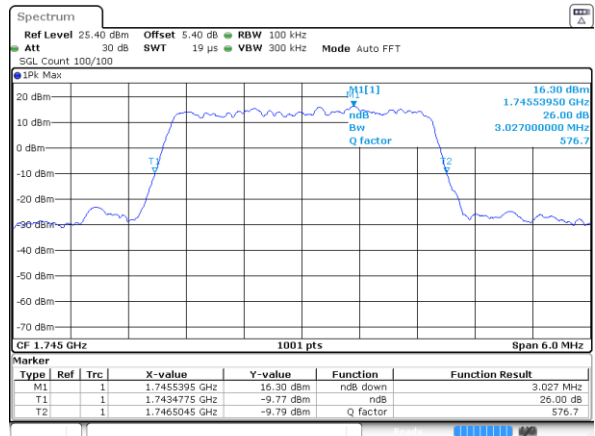
Date: 19 JAN 2020 02:16:52

Middle Channel / 3MHz / QPSK



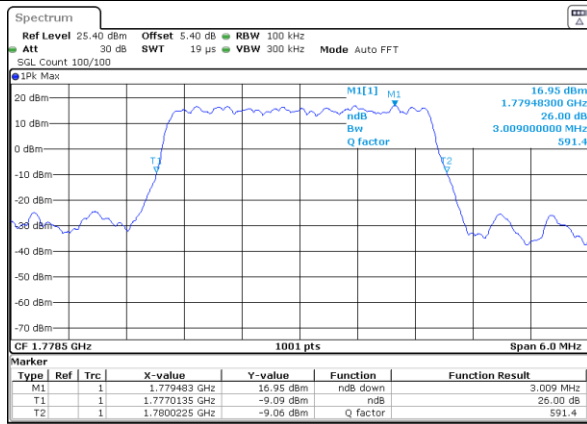
Date: 19 JAN 2020 02:24:27

Middle Channel / 3MHz / 16QAM



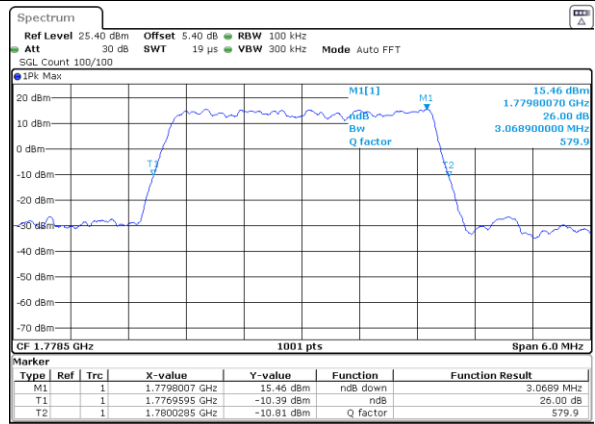
Date: 19 JAN 2020 02:24:44

Highest Channel / 3MHz / QPSK



Date: 19 JAN 2020 02:25:31

Highest Channel / 3MHz / 16QAM

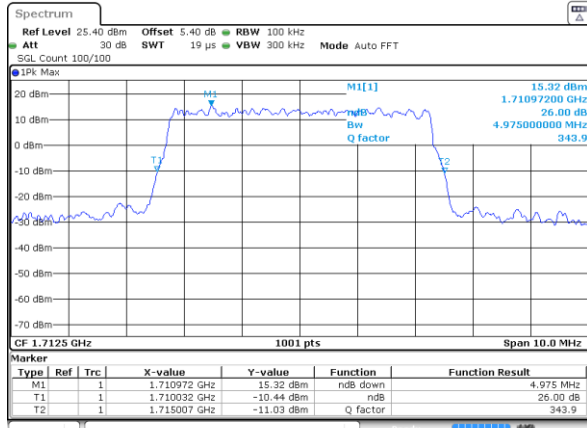


Date: 19 JAN 2020 02:26:19



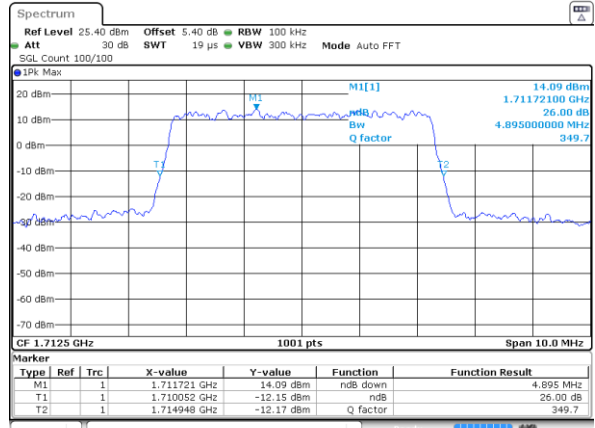
LTE Band 66

Lowest Channel / 5MHz / QPSK



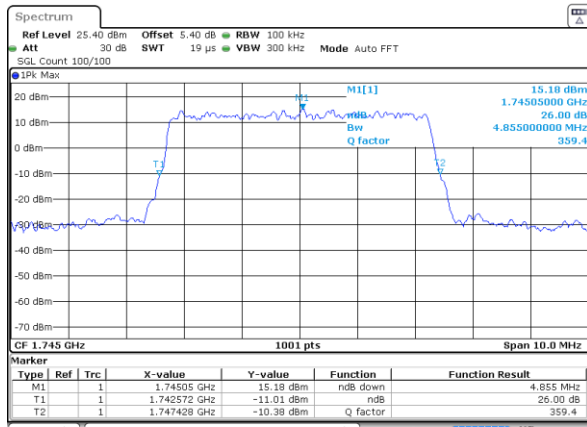
Date: 19 JAN 2020 02:35:45

Lowest Channel / 5MHz / 16QAM



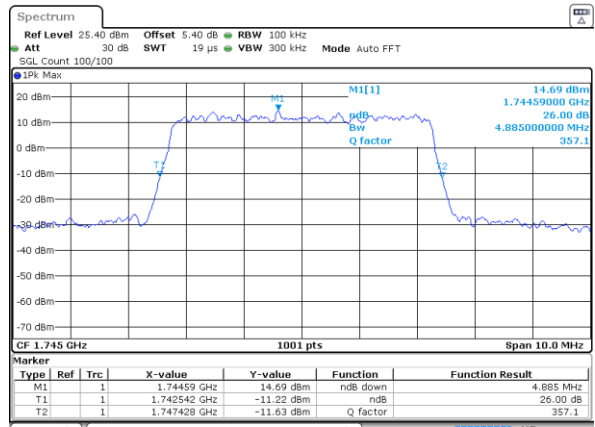
Date: 19 JAN 2020 02:36:19

Middle Channel / 5MHz / QPSK



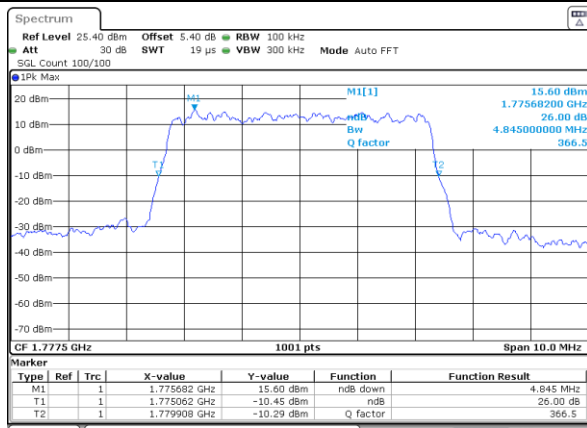
Date: 19 JAN 2020 02:43:10

Middle Channel / 5MHz / 16QAM



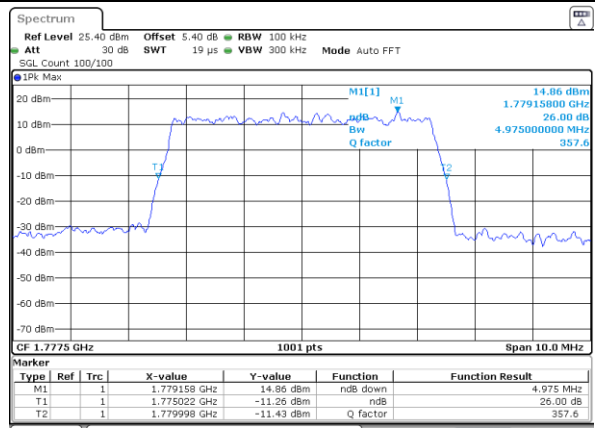
Date: 19 JAN 2020 02:42:56

Highest Channel / 5MHz / QPSK



Date: 19 JAN 2020 02:43:39

Highest Channel / 5MHz / 16QAM

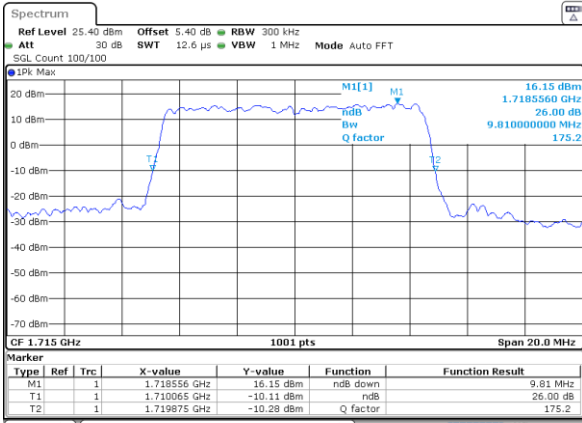


Date: 19 JAN 2020 02:44:23

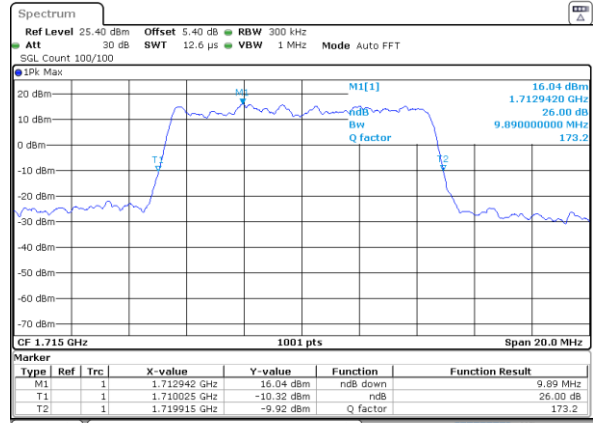


LTE Band 66

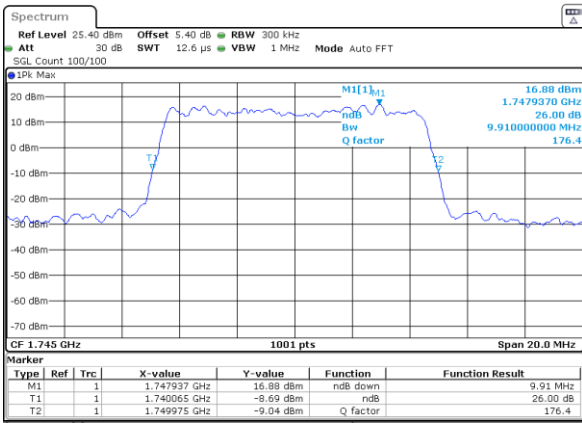
Lowest Channel / 10MHz / QPSK



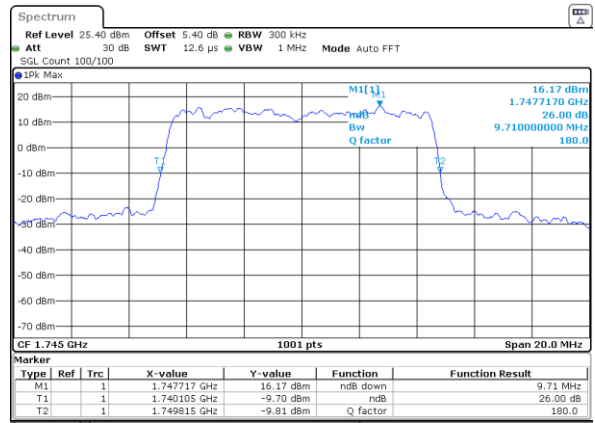
Lowest Channel / 10MHz / 16QAM



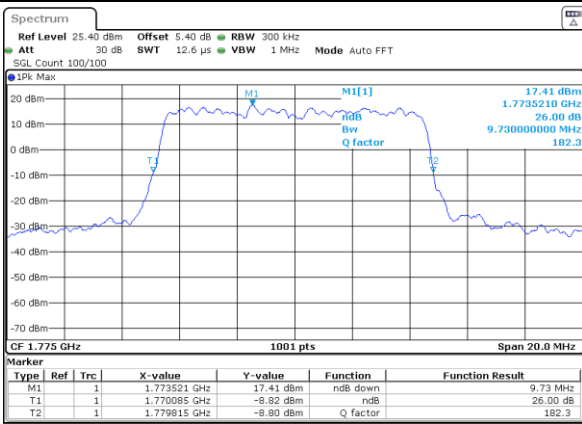
Middle Channel / 10MHz / QPSK



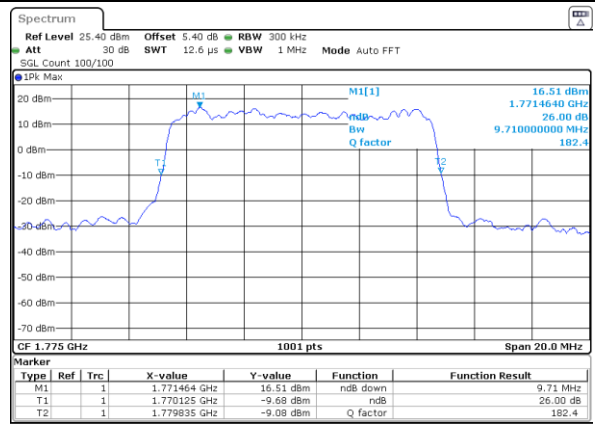
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



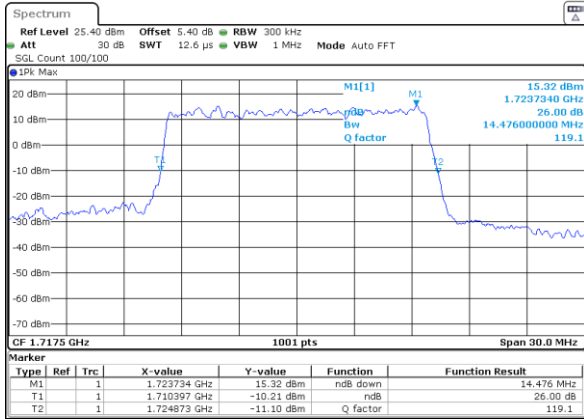
Highest Channel / 10MHz / 16QAM



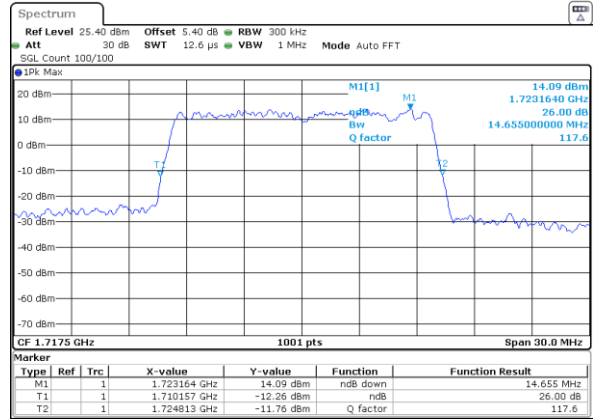


LTE Band 66

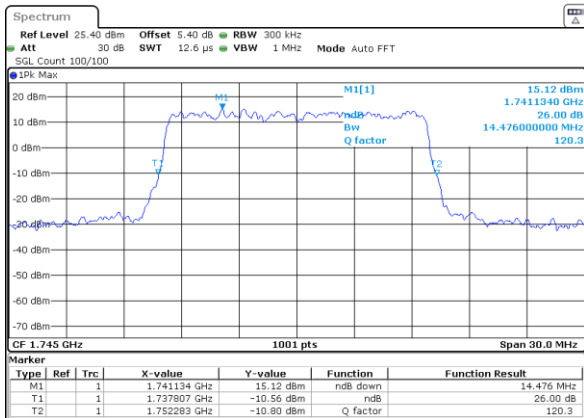
Lowest Channel / 15MHz / QPSK



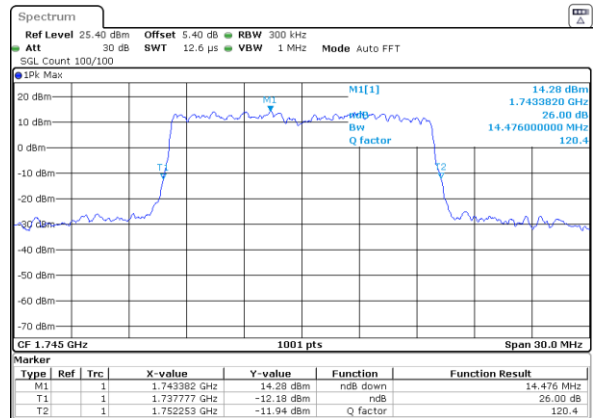
Lowest Channel / 15MHz / 16QAM



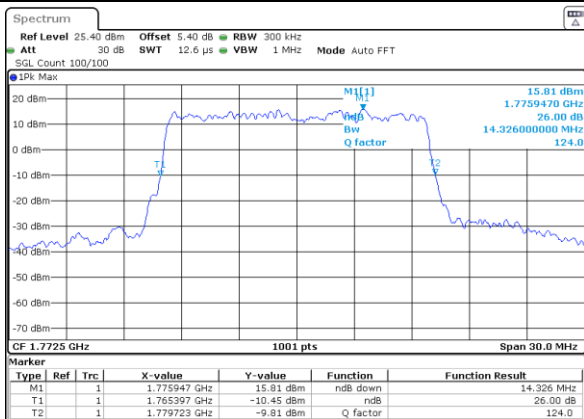
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

