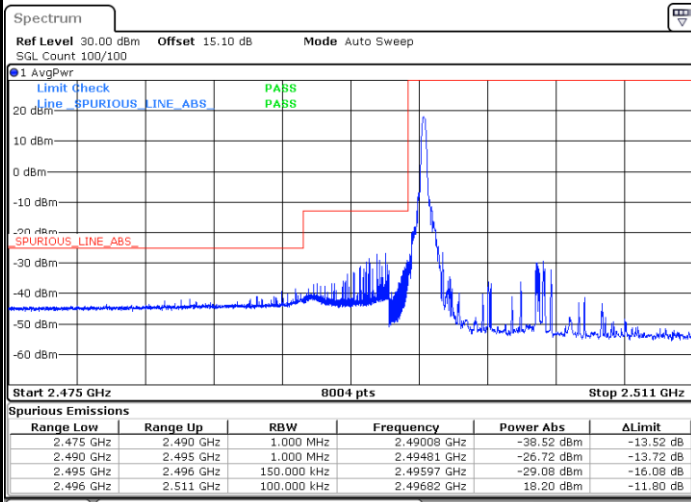




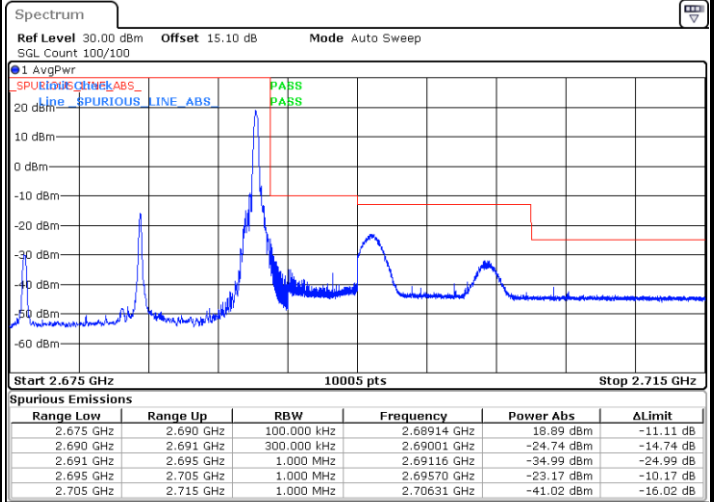
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



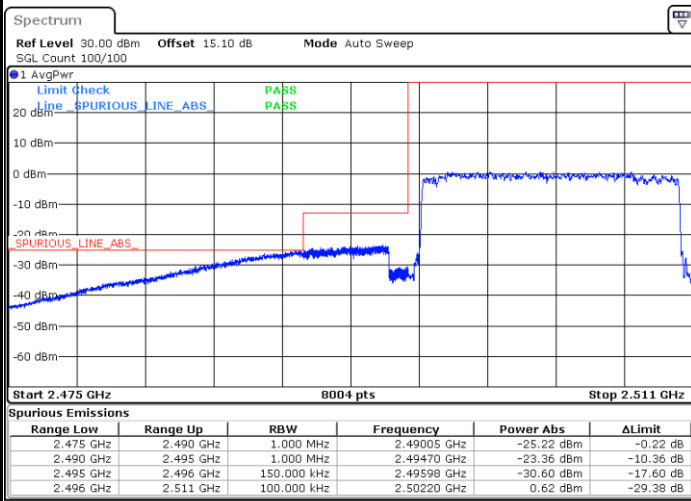
Date: 5 MAR 2020 14:53:15

Highest Band Edge / 1 RB



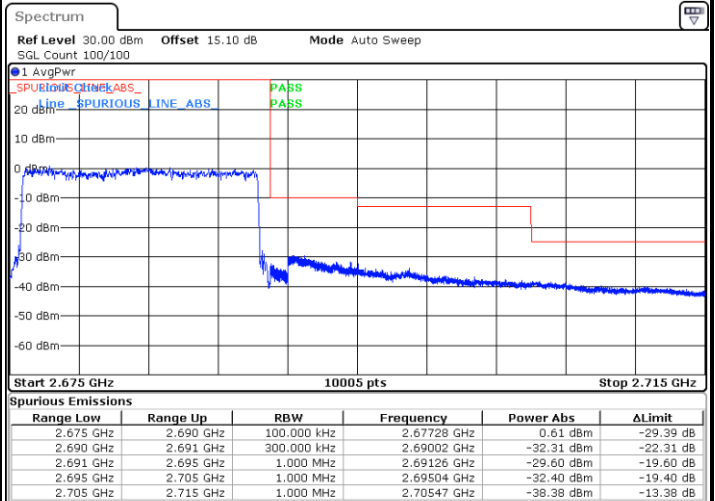
Date: 5 MAR 2020 14:55:55

Lowest Band Edge / Full RB



Date: 5 MAR 2020 14:54:35

Highest Band Edge / Full RB

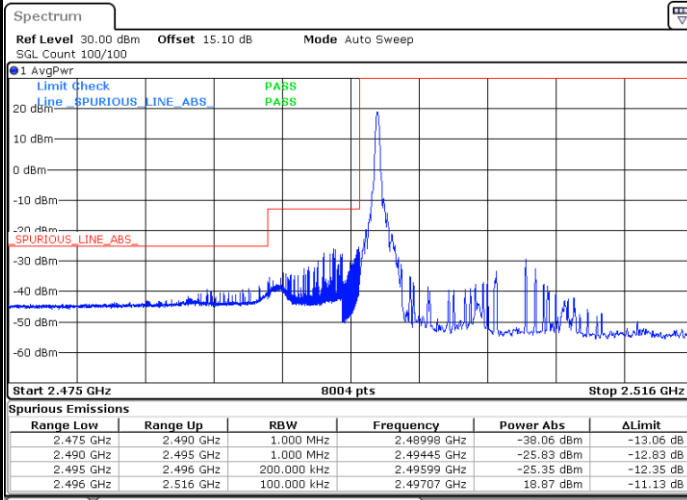


Date: 5 MAR 2020 14:57:15



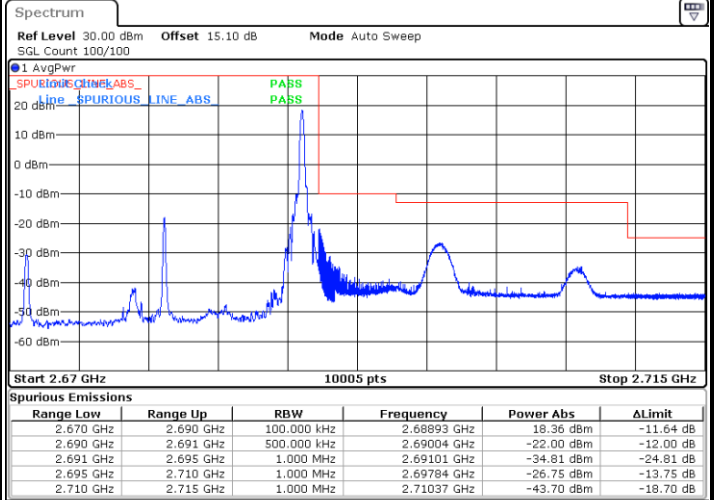
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



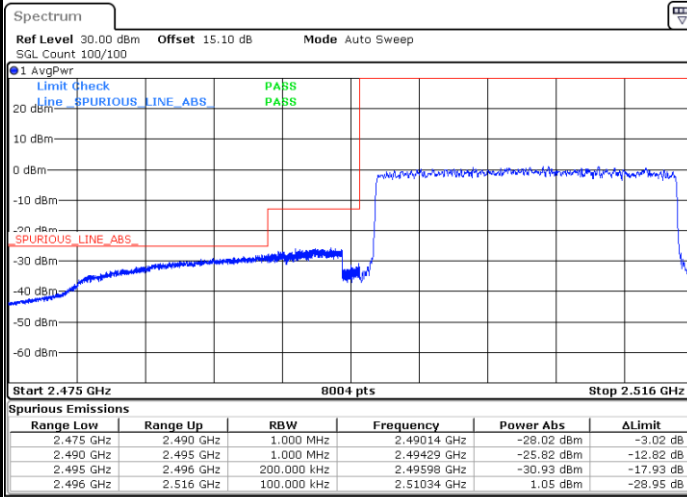
Date: 5 MAR 2020 15:09:16

Highest Band Edge / 1 RB



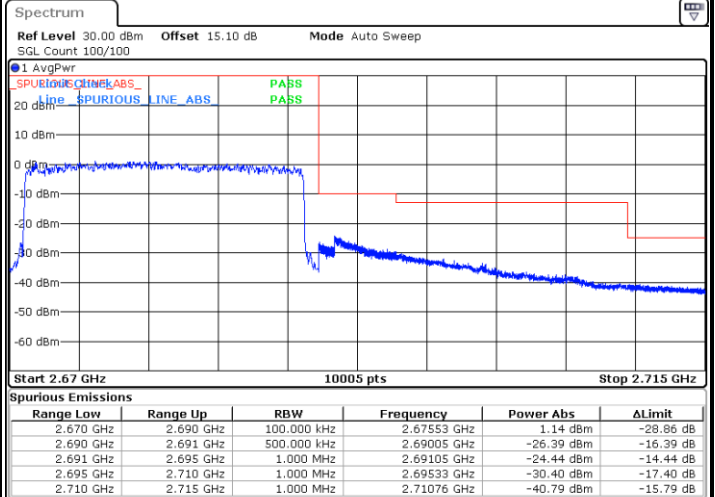
Date: 5 MAR 2020 15:14:38

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:11:57

Highest Band Edge / Full RB

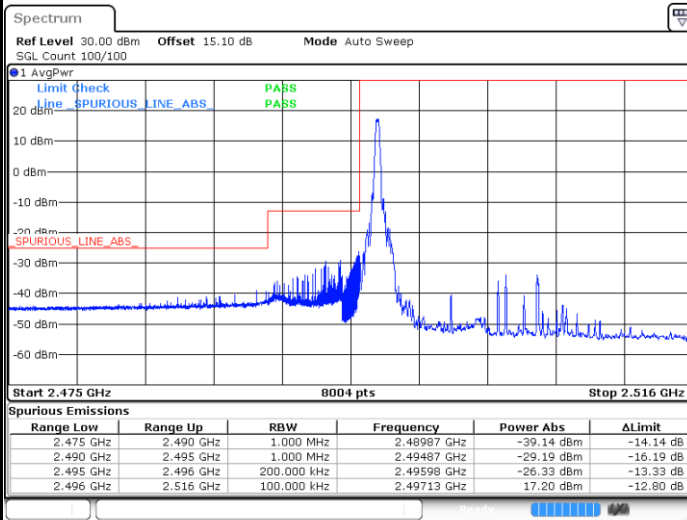


Date: 5 MAR 2020 15:18:36



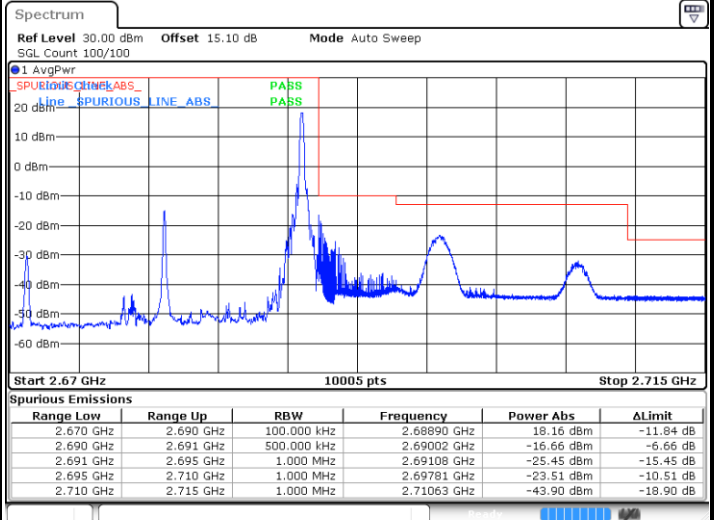
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



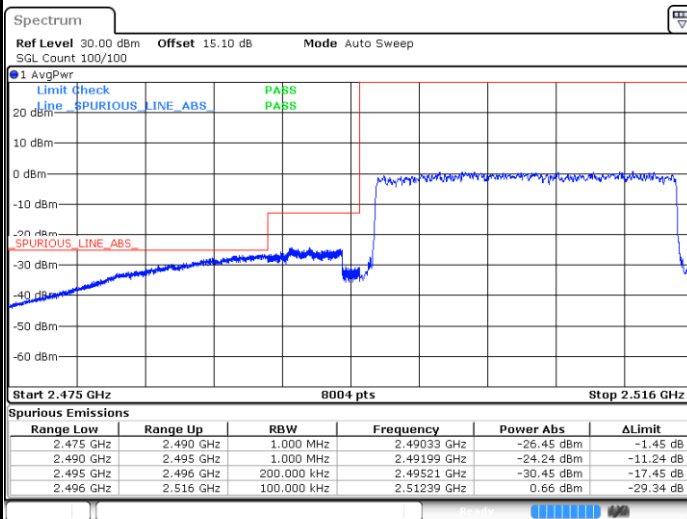
Date: 5 MAR 2020 15:10:36

Highest Band Edge / 1 RB



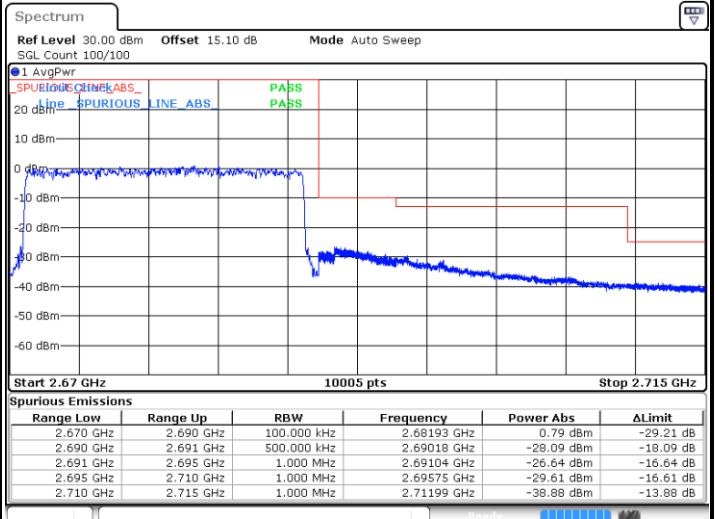
Date: 5 MAR 2020 15:15:57

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:13:17

Highest Band Edge / Full RB

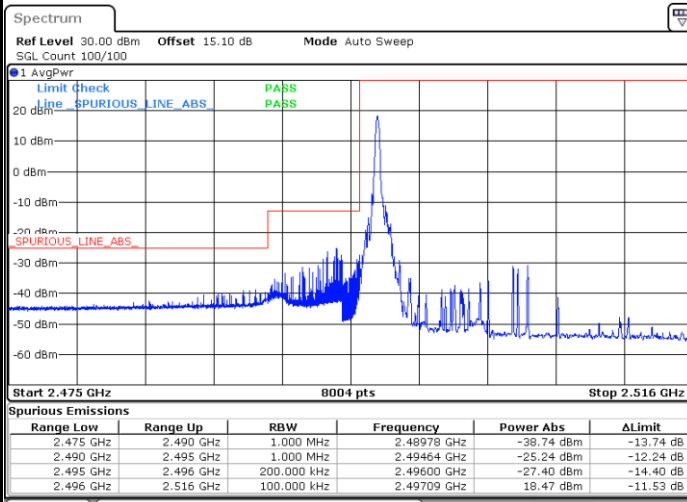


Date: 5 MAR 2020 15:17:17



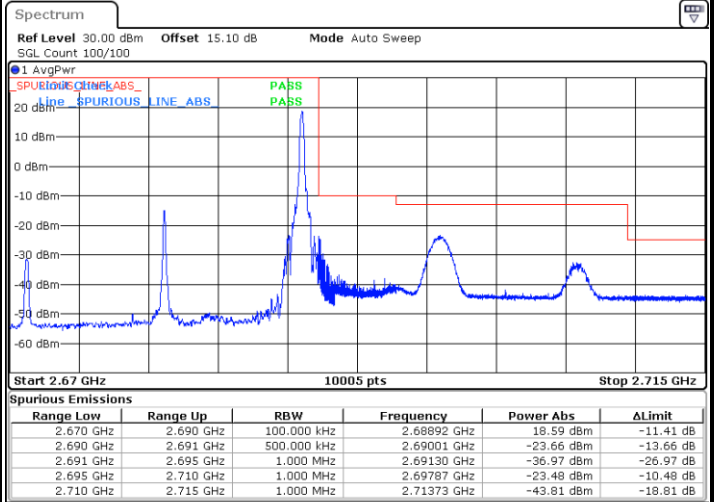
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



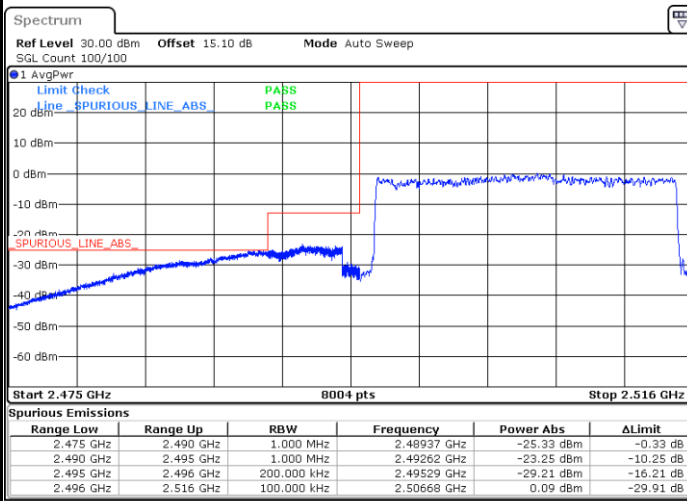
Date: 5 MAR 2020 15:19:56

Highest Band Edge / 1 RB



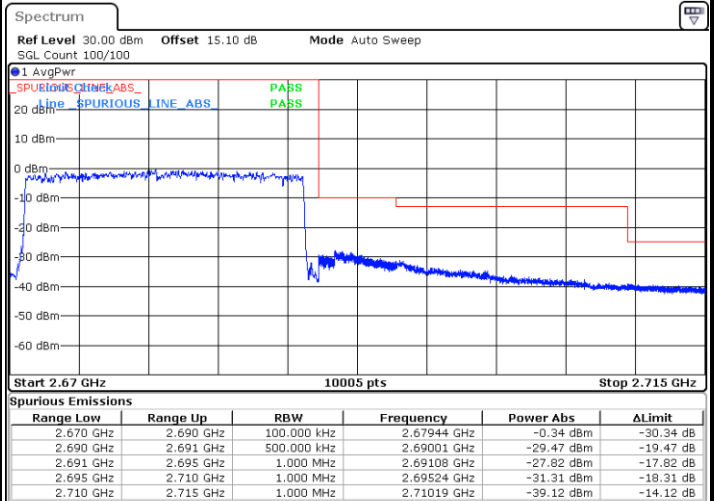
Date: 5 MAR 2020 15:22:37

Lowest Band Edge / Full RB



Date: 5 MAR 2020 15:21:17

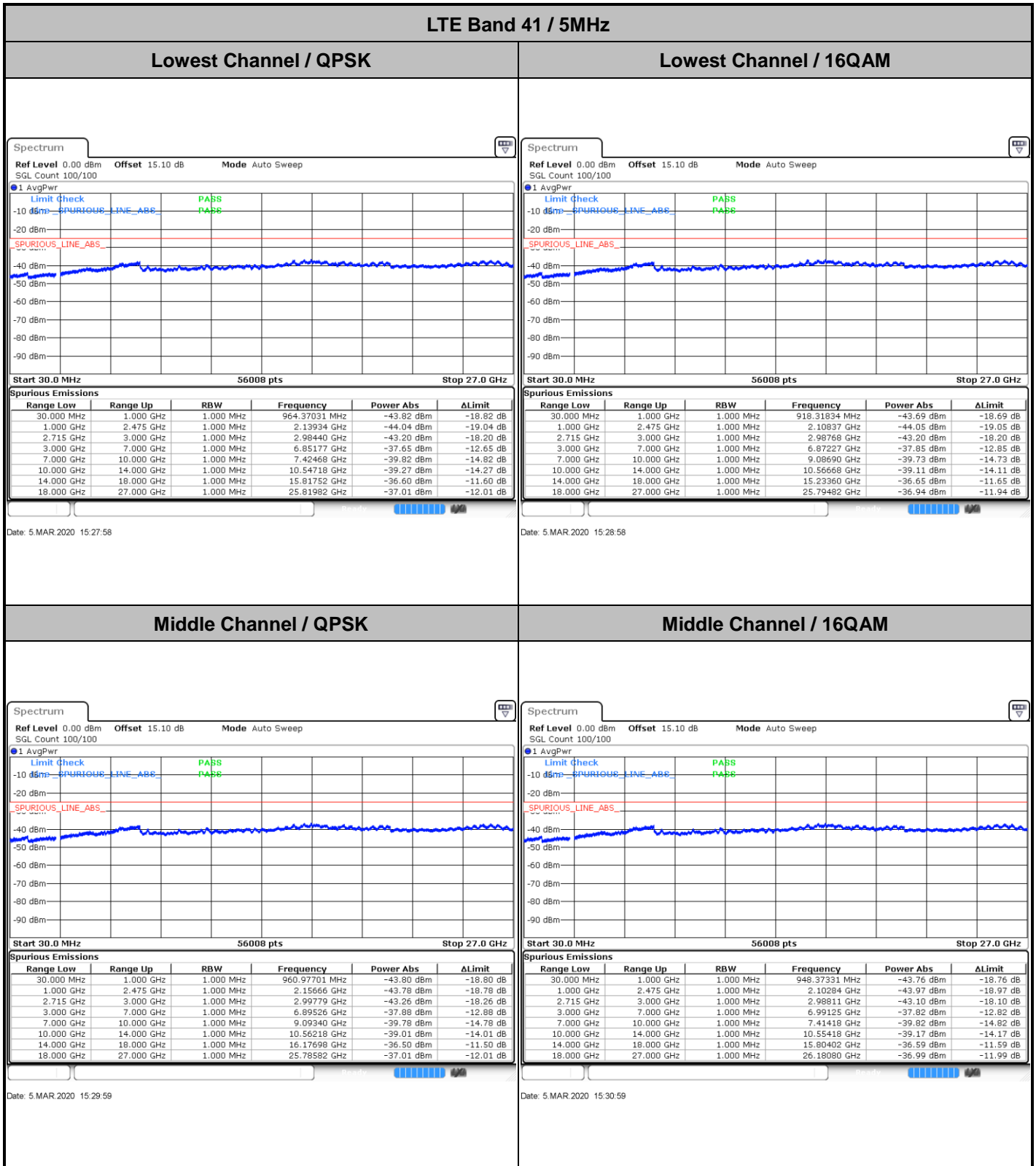
Highest Band Edge / Full RB



Date: 5 MAR 2020 15:23:56



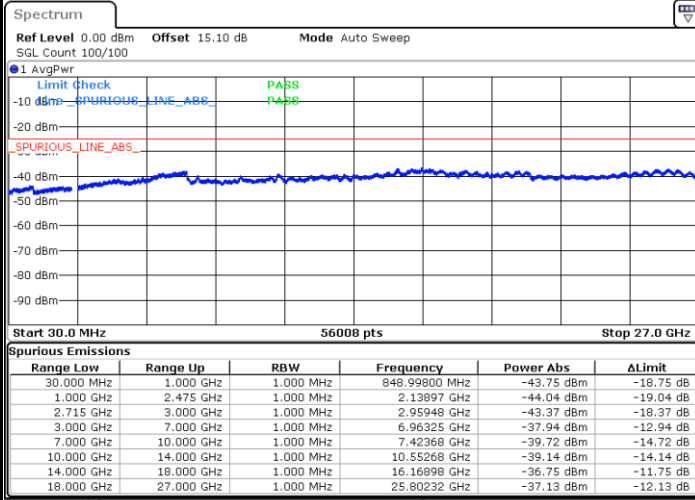
# Conducted Spurious Emission





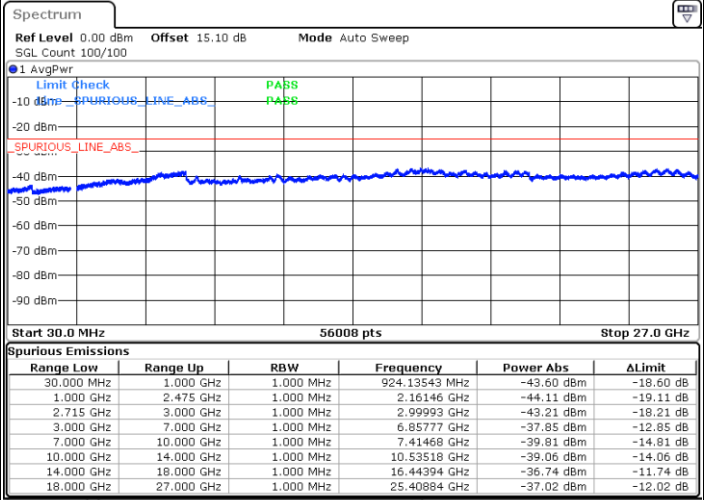
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 5 MAR 2020 15:31:59

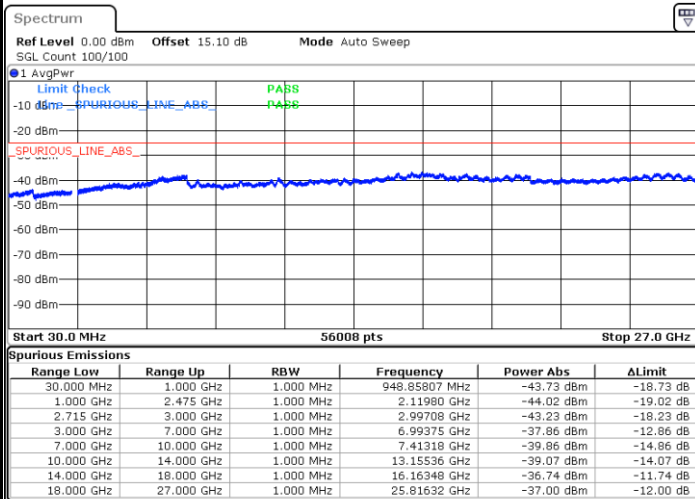
Highest Channel / 16QAM



Date: 5 MAR 2020 15:32:59

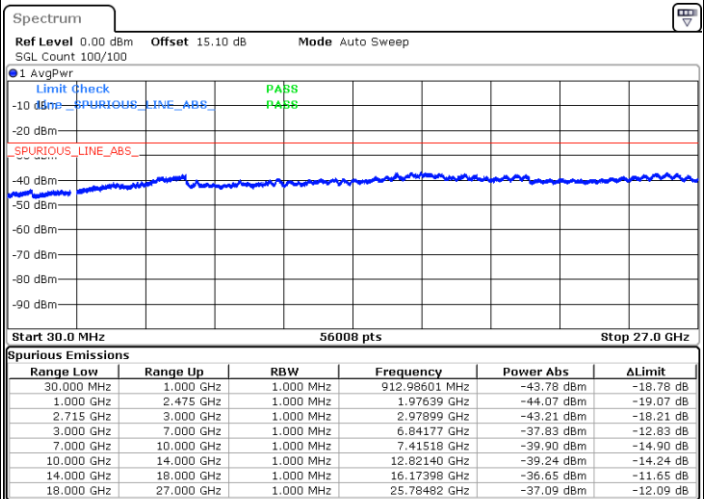
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 5 MAR 2020 15:37:02

Lowest Channel / 16QAM



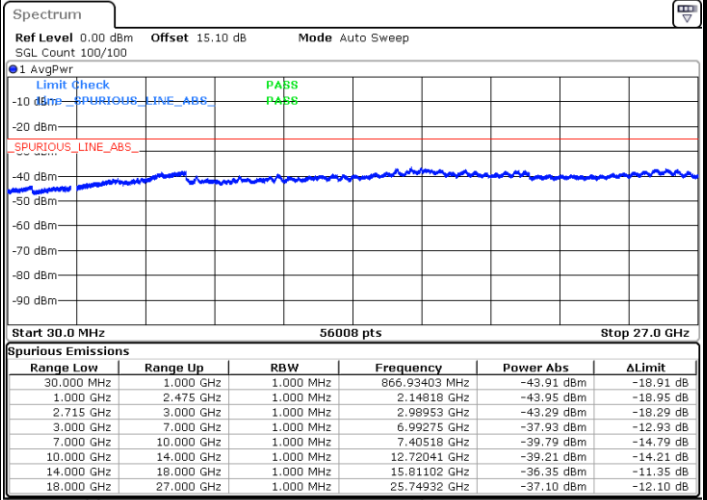
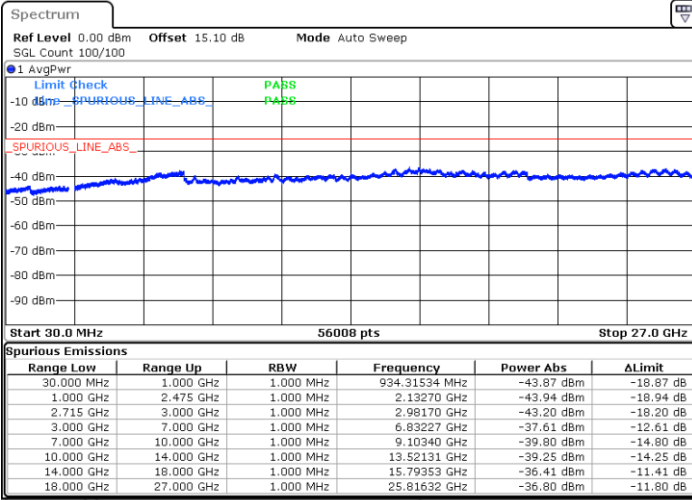
Date: 5 MAR 2020 15:38:02



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

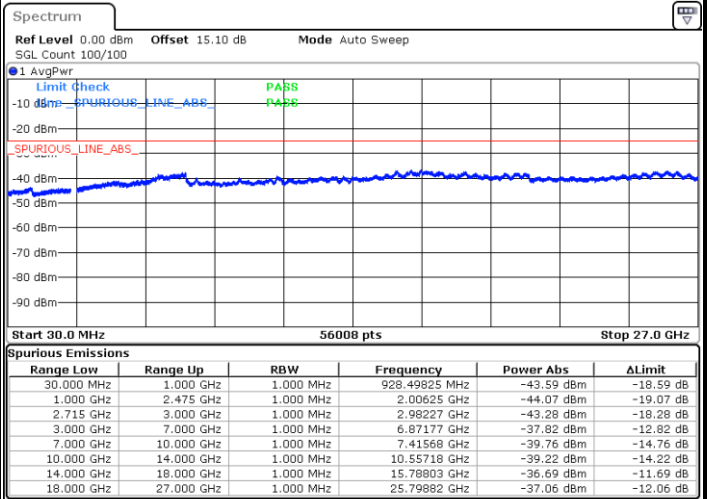
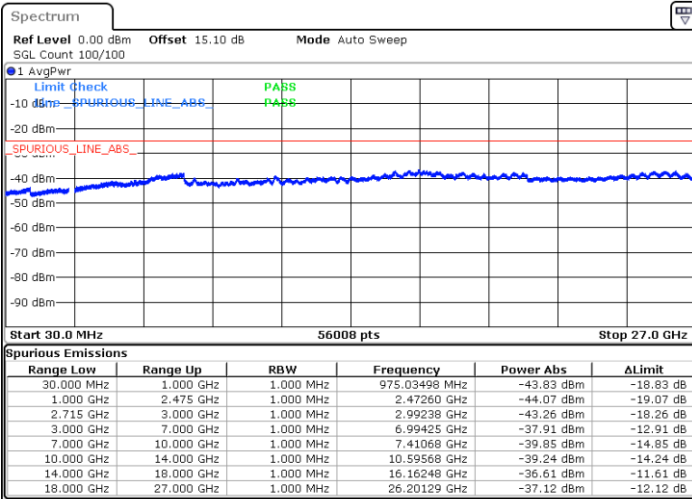


Date: 5 MAR 2020 15:39:02

Date: 5 MAR 2020 15:40:02

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 MAR 2020 15:41:03

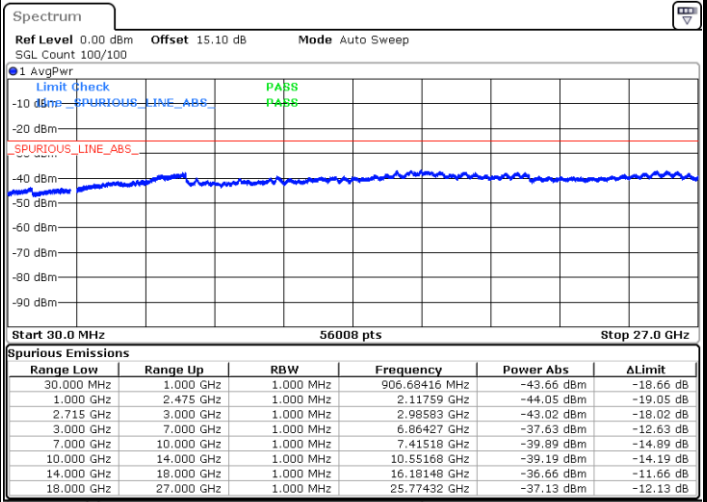
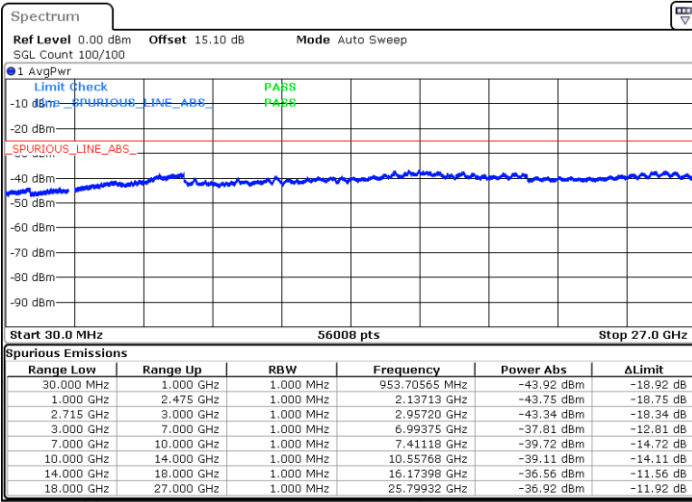
Date: 5 MAR 2020 15:42:03



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

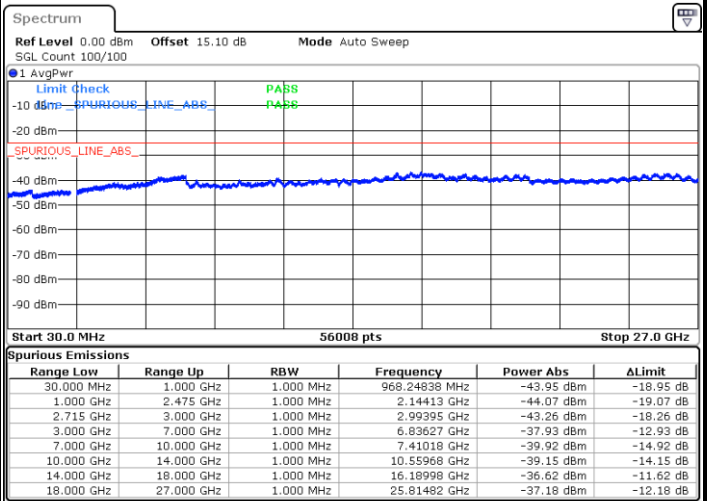
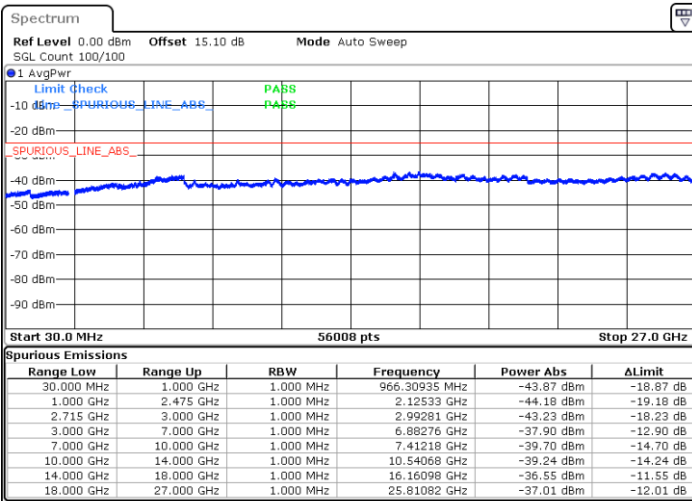


Date: 5 MAR 2020 15:43:04

Date: 5 MAR 2020 15:44:05

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 5 MAR 2020 15:45:05

Date: 5 MAR 2020 15:46:05

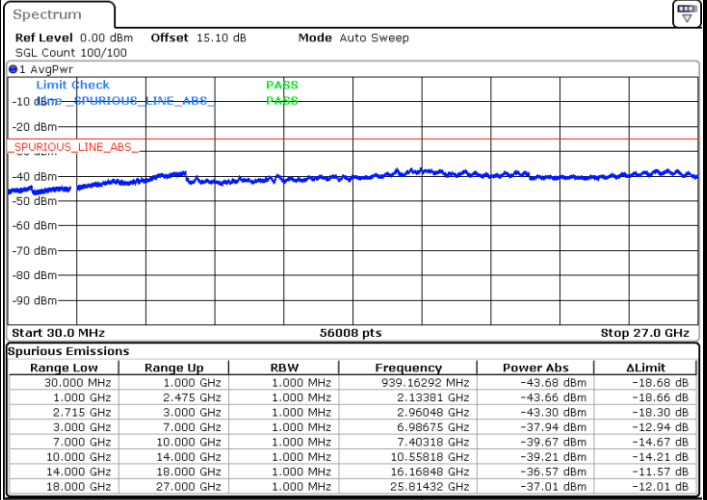
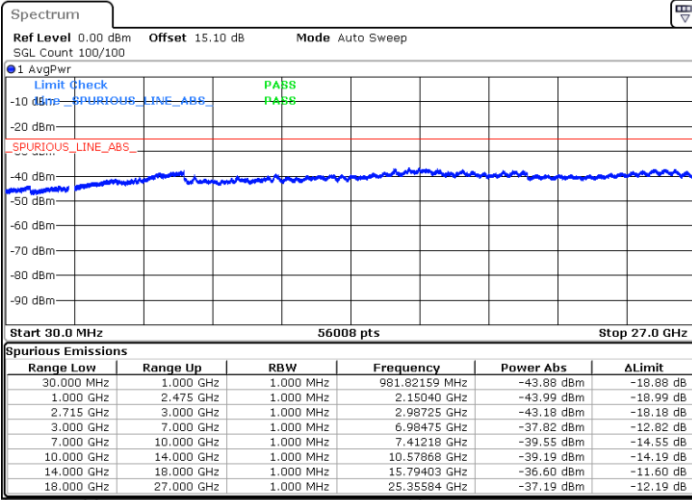




LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



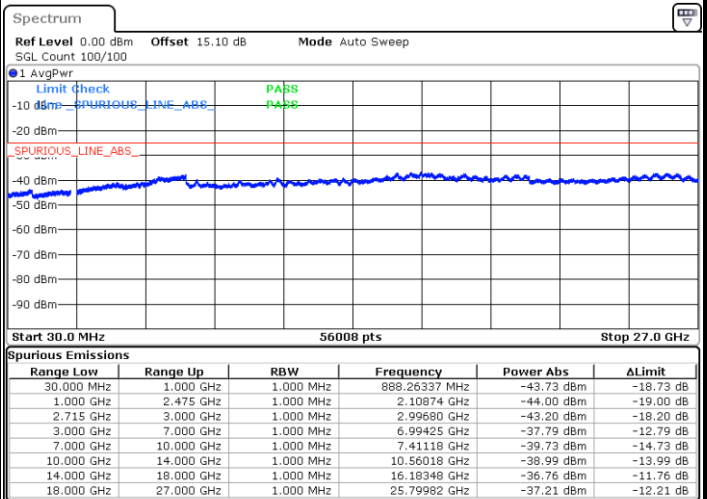
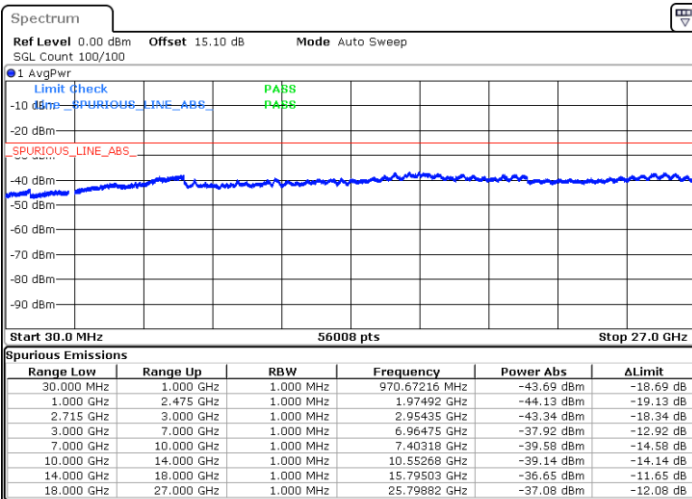
Date: 5 MAR 2020 15:47:05

Date: 5 MAR 2020 15:48:06

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 5 MAR 2020 15:55:09

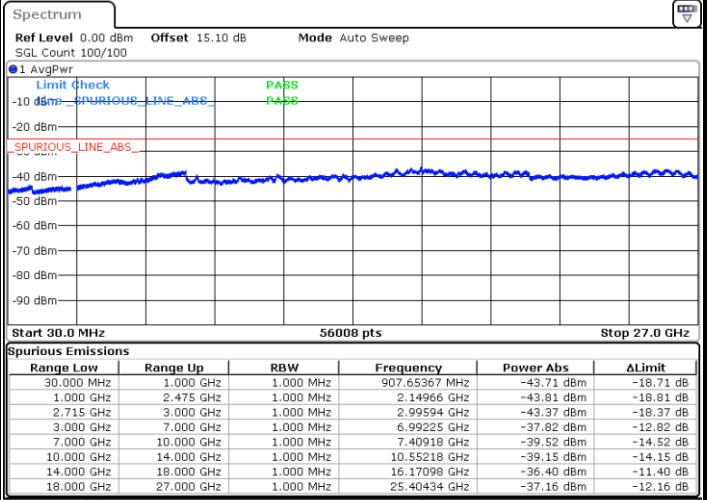
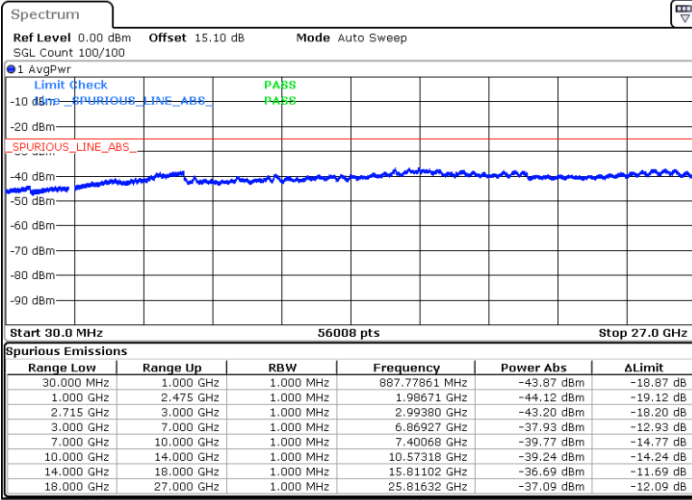
Date: 5 MAR 2020 15:56:10



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

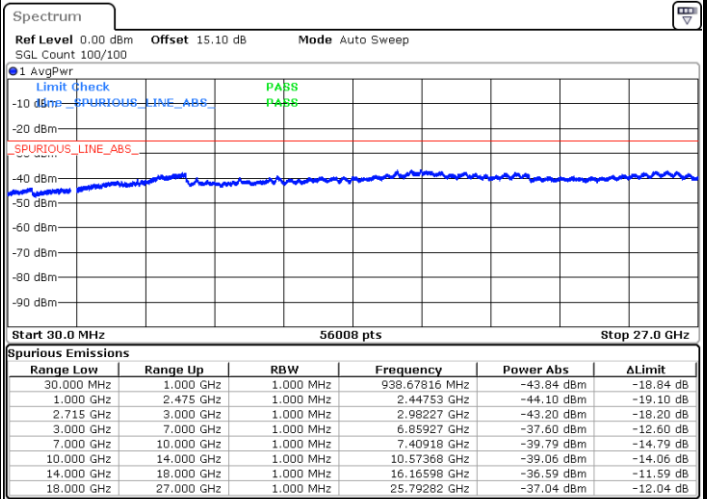
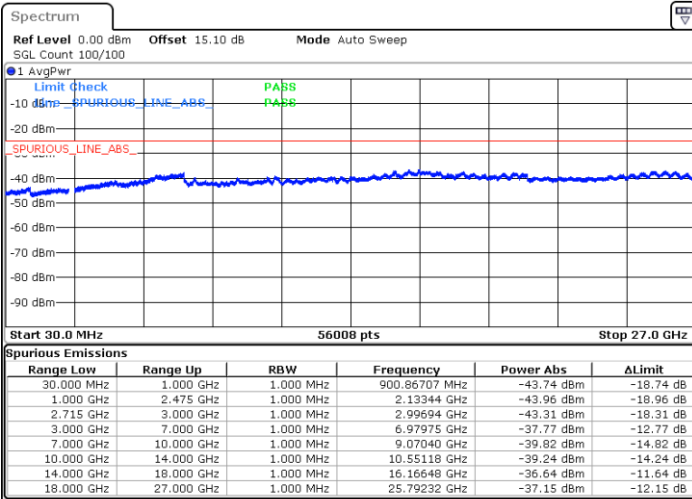


Date: 5 MAR 2020 15:57:10

Date: 5 MAR 2020 15:58:10

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 MAR 2020 15:59:10

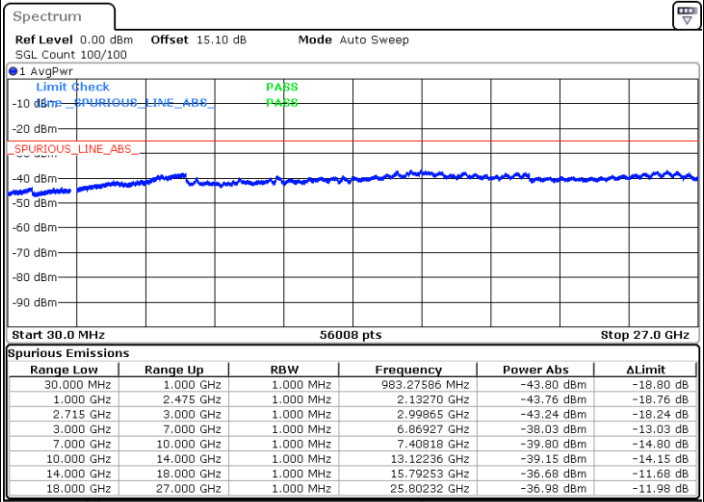
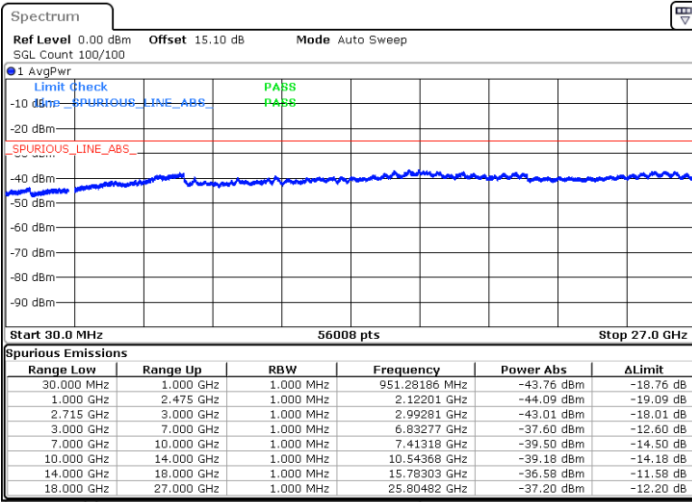
Date: 5 MAR 2020 16:00:11



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

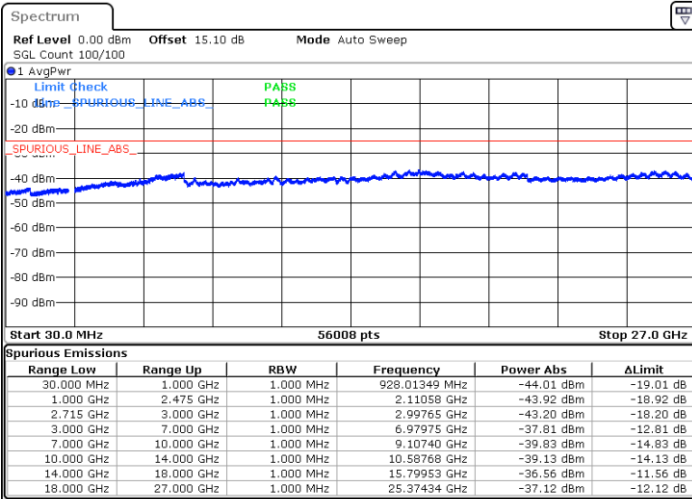
Middle Channel / 64QAM



Date: 5 MAR 2020 15:24:56

Date: 5 MAR 2020 15:25:57

Highest Channel / 64QAM



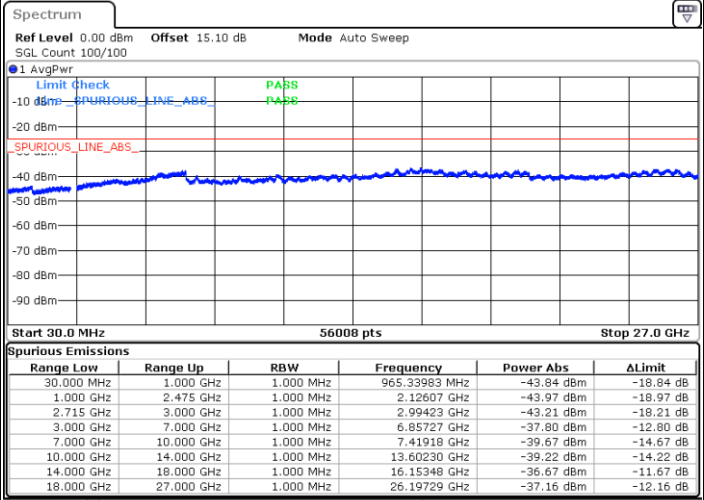
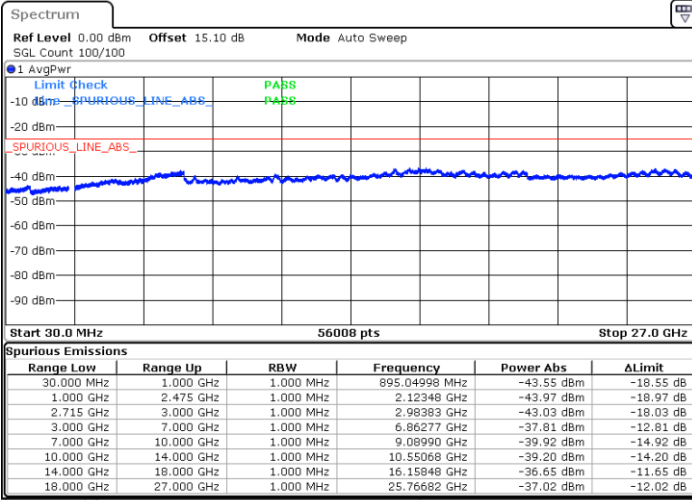
Date: 5 MAR 2020 15:26:57



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

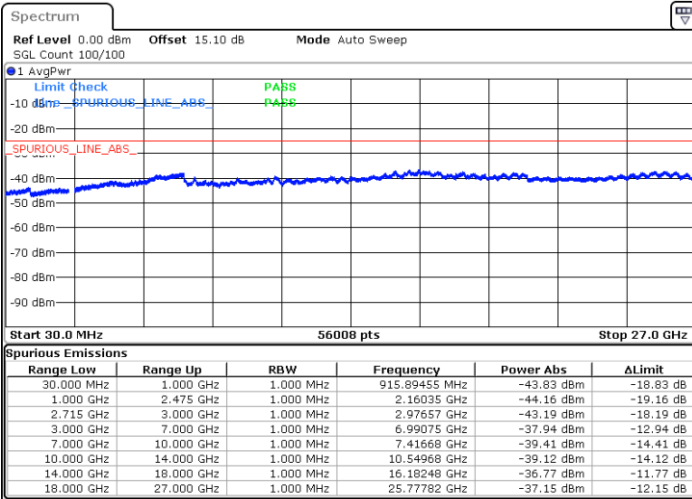
Middle Channel / 64QAM



Date: 5 MAR 2020 15:34:01

Date: 5 MAR 2020 15:35:01

Highest Channel / 64QAM



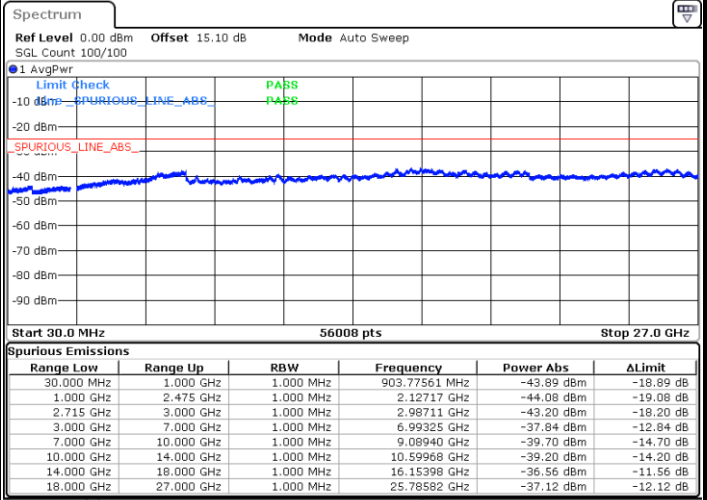
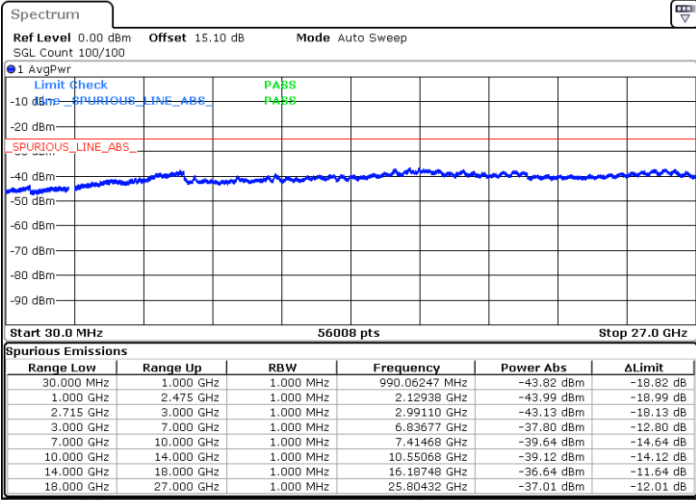
Date: 5 MAR 2020 15:36:01



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

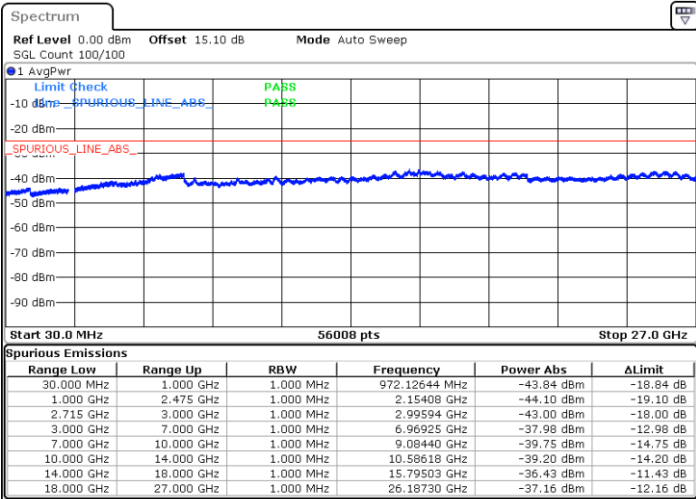
Middle Channel / 64QAM



Date: 5 MAR 2020 15:49:07

Date: 5 MAR 2020 15:50:07

Highest Channel / 64QAM



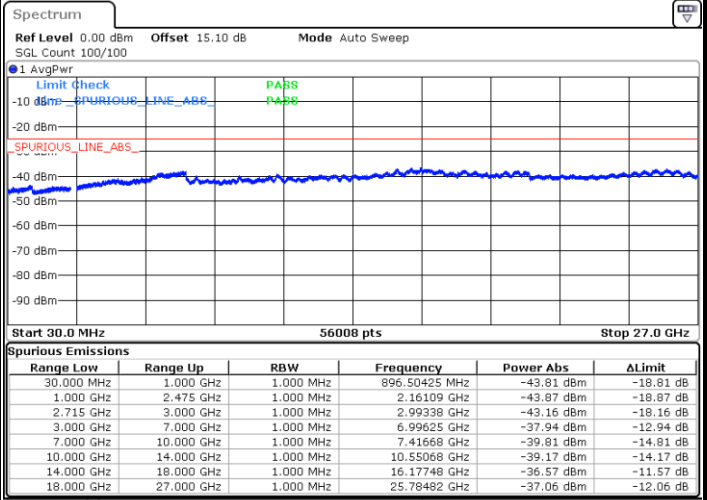
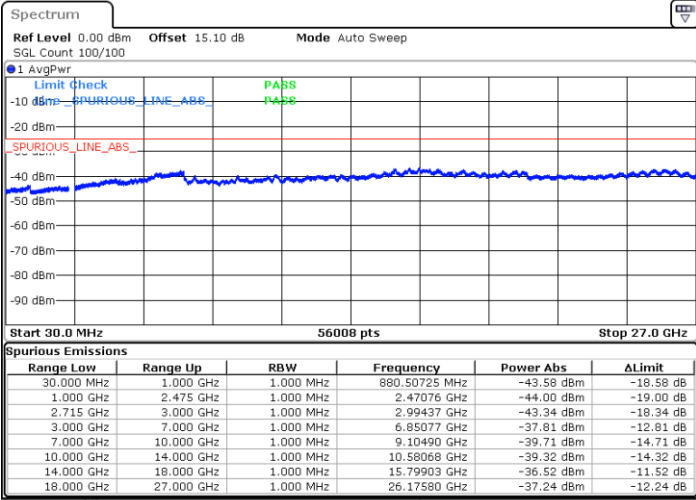
Date: 5 MAR 2020 15:51:07



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

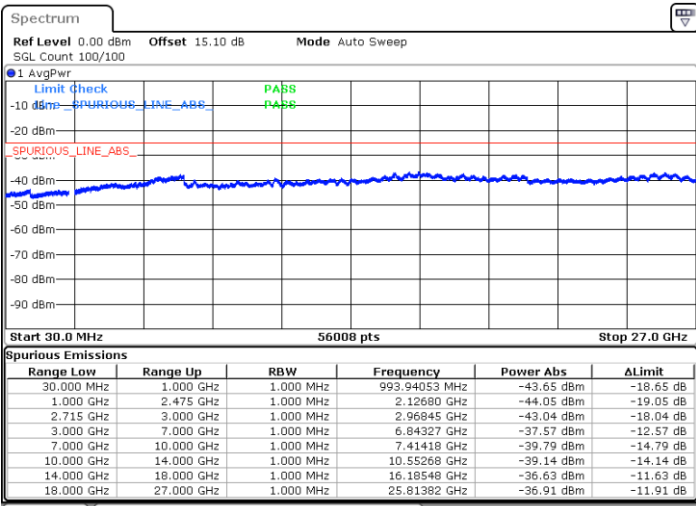
Middle Channel / 64QAM



Date: 5 MAR 2020 15:52:08

Date: 5 MAR 2020 15:53:08

Highest Channel / 64QAM



Date: 5 MAR 2020 15:54:09



**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	0.0124	PASS
40	Normal Voltage	0.0116	
30	Normal Voltage	0.0109	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0102	
0	Normal Voltage	0.0171	
-10	Normal Voltage	0.0130	
-20	Normal Voltage	0.0075	
-30	Normal Voltage	0.0093	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0101	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

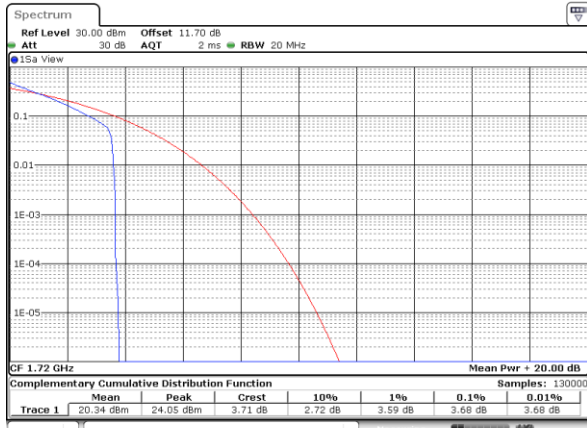
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.68	4.78	4.61	5.80	PASS
Middle CH	3.74	4.93	4.52	5.86	
Highest CH	3.59	4.96	5.16	5.77	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.35	-	-	PASS
Middle CH	6.29	6.49	-	-	
Highest CH	6.64	6.46	-	-	





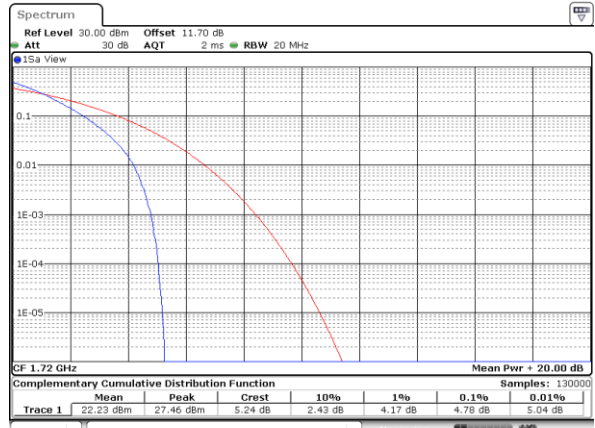
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



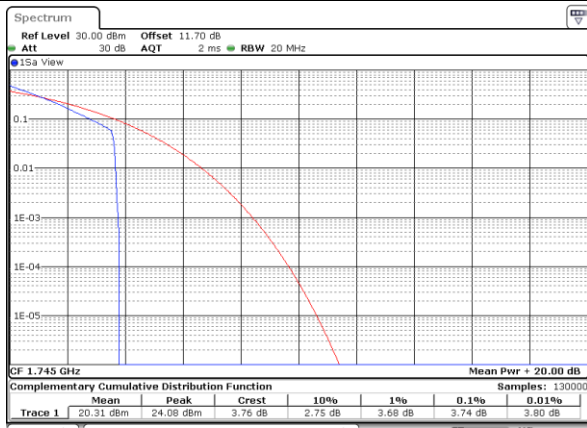
Date: 11.FEB.2020 07:18:01

Lowest Channel / Full RB



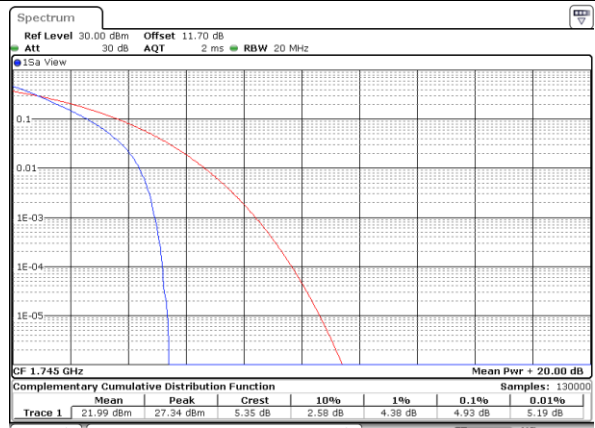
Date: 11.FEB.2020 07:18:15

Middle Channel / 1RB



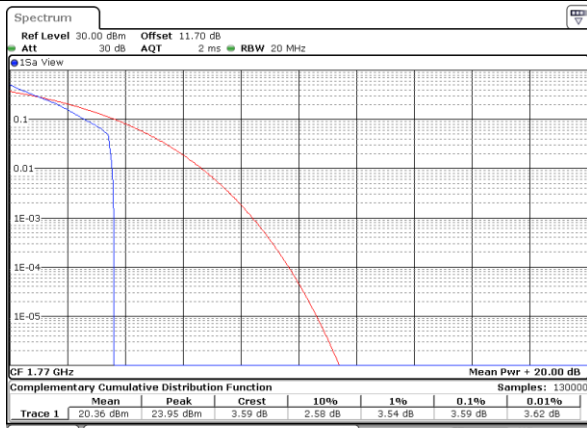
Date: 11.FEB.2020 07:18:28

Middle Channel / Full RB



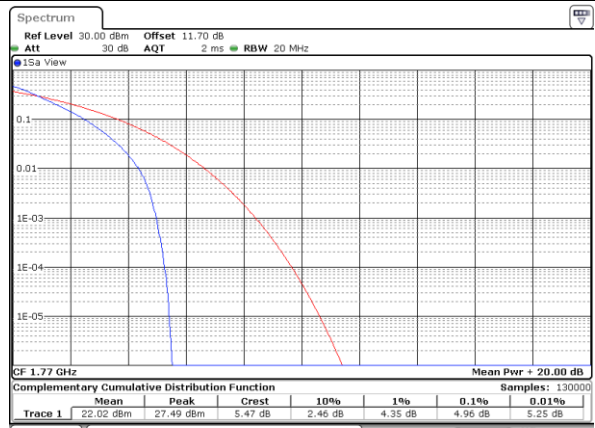
Date: 11.FEB.2020 07:18:42

Highest Channel / 1RB



Date: 11.FEB.2020 07:18:57

Highest Channel / Full RB

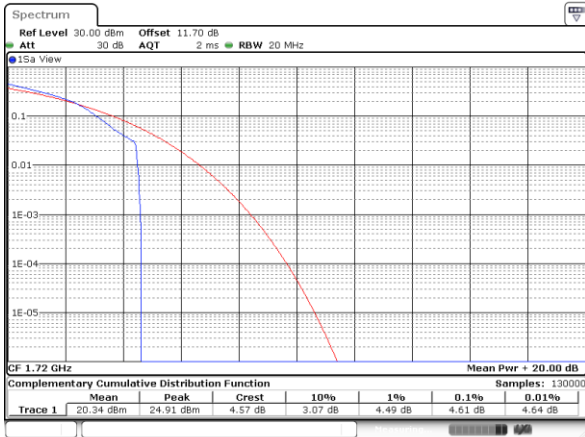


Date: 11.FEB.2020 07:19:11



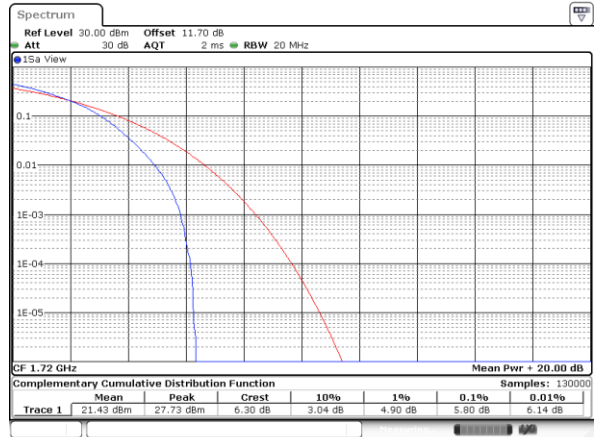
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



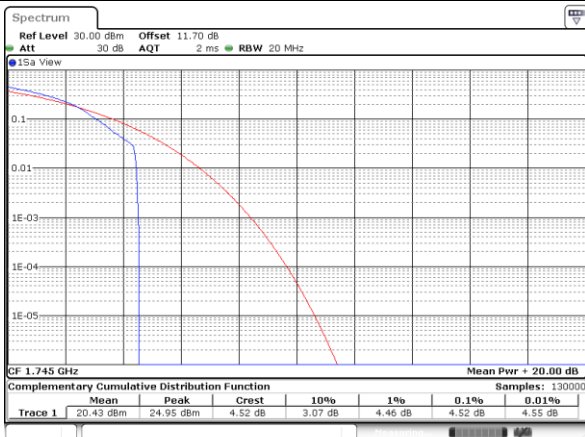
Date: 11.FEB.2020 07:16:33

Lowest Channel / Full RB



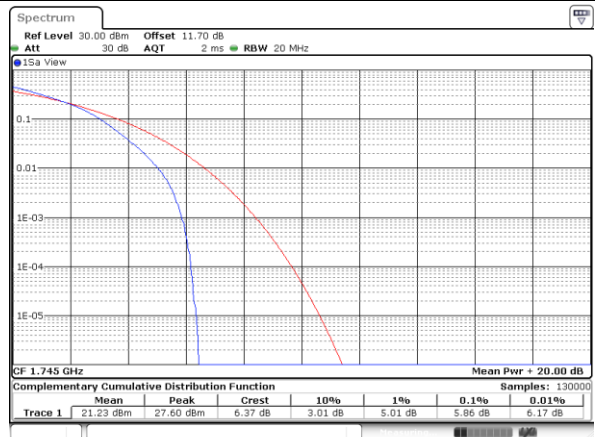
Date: 11.FEB.2020 07:16:48

Middle Channel / 1RB



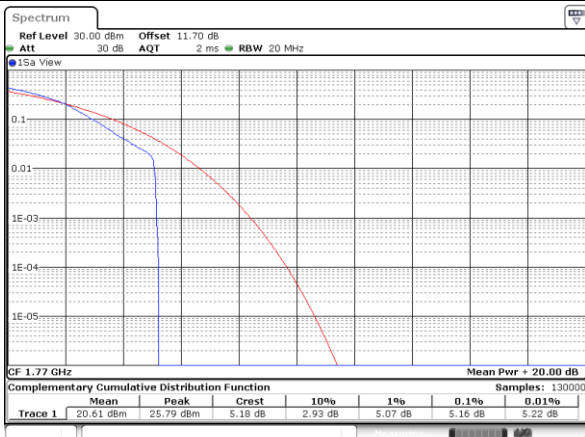
Date: 11.FEB.2020 07:17:03

Middle Channel / Full RB



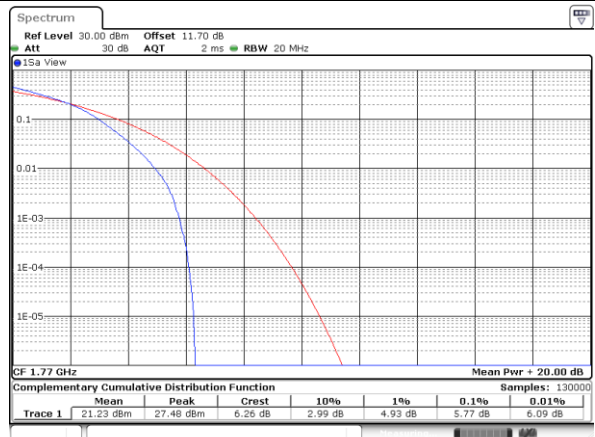
Date: 11.FEB.2020 07:17:18

Highest Channel / 1RB



Date: 11.FEB.2020 07:17:31

Highest Channel / Full RB

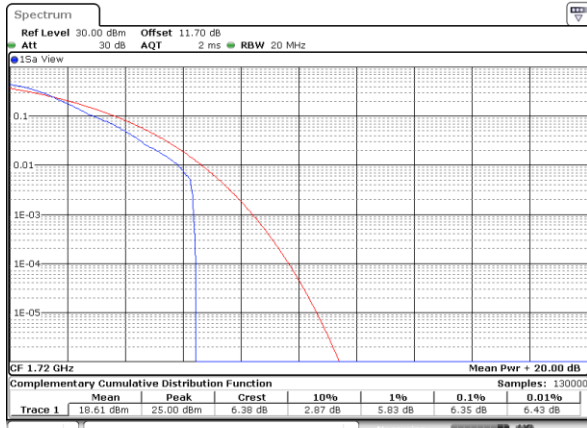


Date: 11.FEB.2020 07:17:47



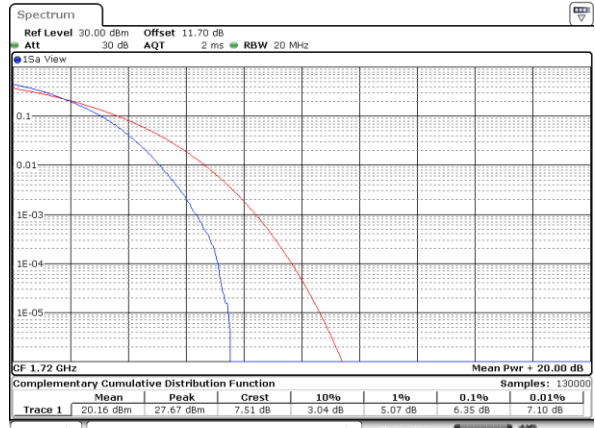
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



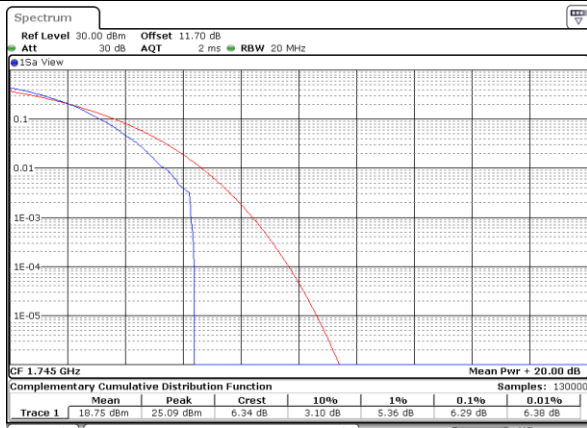
Date: 11.FEB.2020 07:19:26

Lowest Channel / Full RB



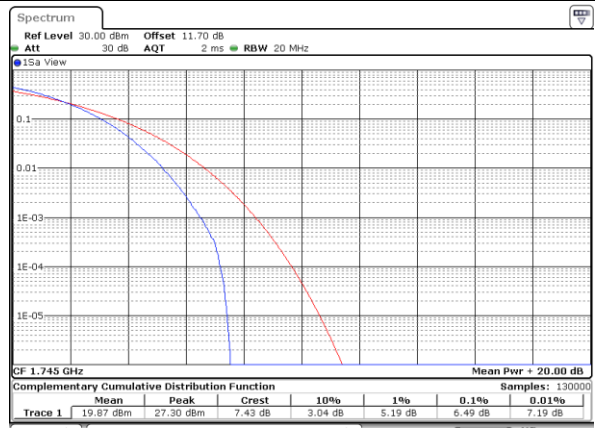
Date: 11.FEB.2020 07:19:40

Middle Channel / 1RB



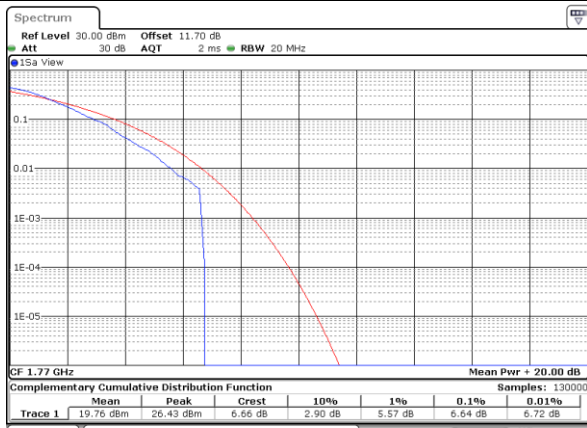
Date: 11.FEB.2020 07:20:58

Middle Channel / Full RB



Date: 11.FEB.2020 07:21:12

Highest Channel / 1RB



Date: 11.FEB.2020 07:21:41

Highest Channel / Full RB



Date: 11.FEB.2020 07:22:00



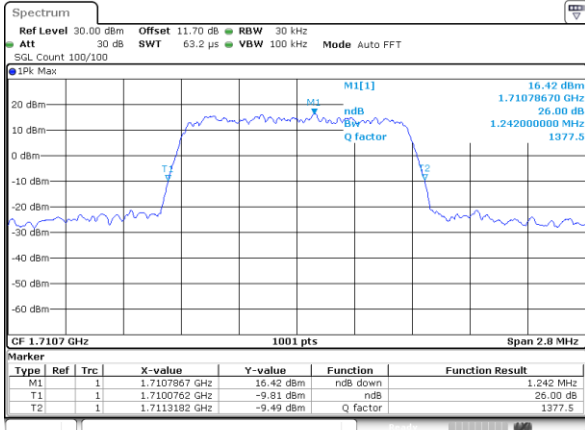
**26dB Bandwidth**

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	1.24	1.23	3.03	3.04	4.95	4.89	9.99	9.87	14.27	14.45	19.02	18.82
Middle CH	1.23	1.23	2.99	3.04	4.88	4.92	9.69	9.65	14.30	14.36	19.06	18.78
Highest CH	1.24	1.23	3.05	3.03	4.83	4.91	9.75	9.79	14.36	14.39	18.94	18.94
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.02	-	4.99	-	9.83	-	14.81	-	18.82	-
Middle CH	1.23	-	3.03	-	4.89	-	9.87	-	14.15	-	18.78	-
Highest CH	1.23	-	2.97	-	4.98	-	9.73	-	14.33	-	18.94	-



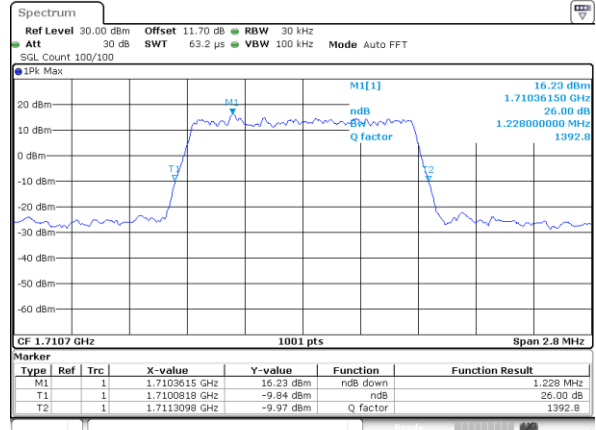
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



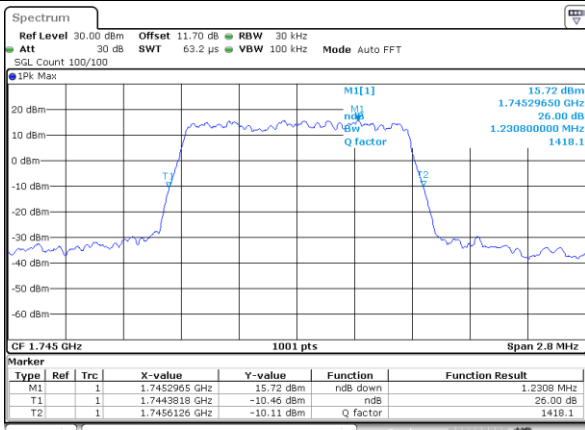
Date: 11.FEB.2020 04:38:39

Lowest Channel / 1.4MHz / 16QAM



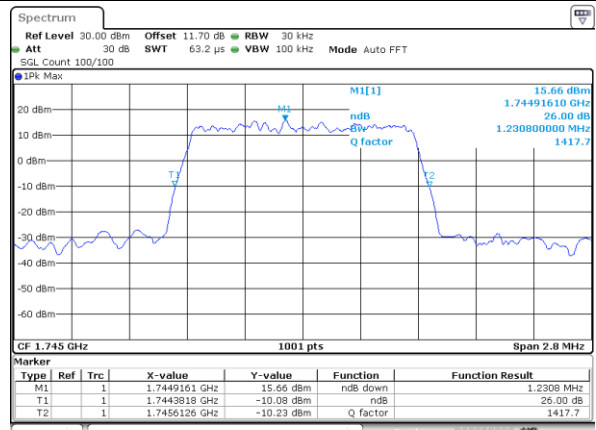
Date: 11.FEB.2020 04:38:52

Middle Channel / 1.4MHz / QPSK



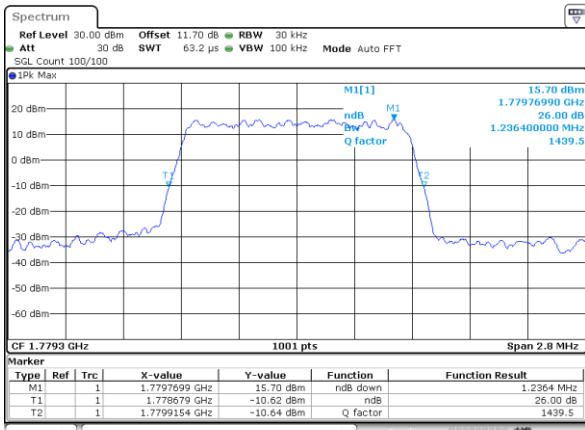
Date: 11.FEB.2020 04:46:06

Middle Channel / 1.4MHz / 16QAM



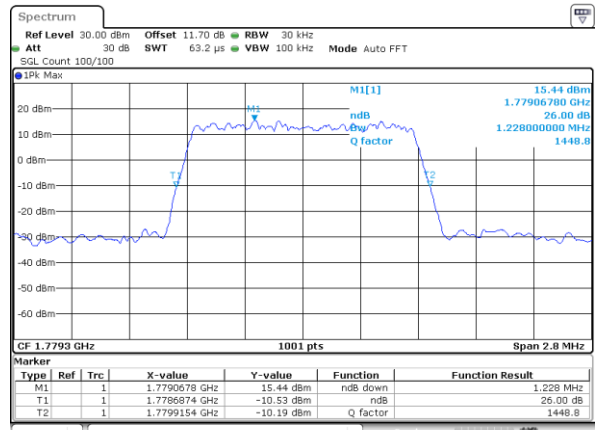
Date: 11.FEB.2020 04:46:20

Highest Channel / 1.4MHz / QPSK



Date: 11.FEB.2020 04:48:48

Highest Channel / 1.4MHz / 16QAM

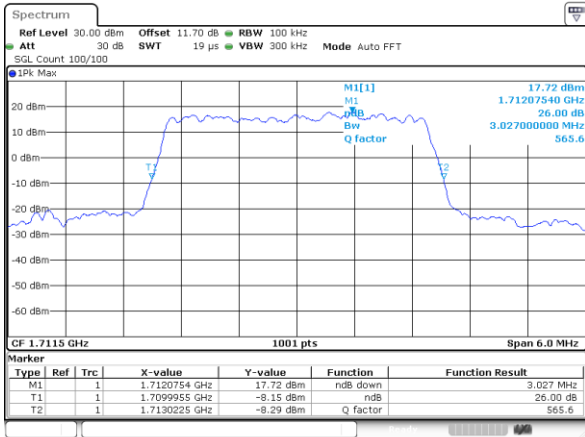


Date: 11.FEB.2020 04:49:02



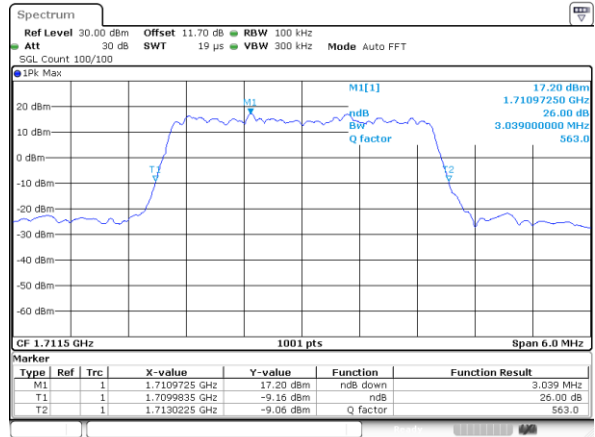
LTE Band 66

Lowest Channel / 3MHz / QPSK



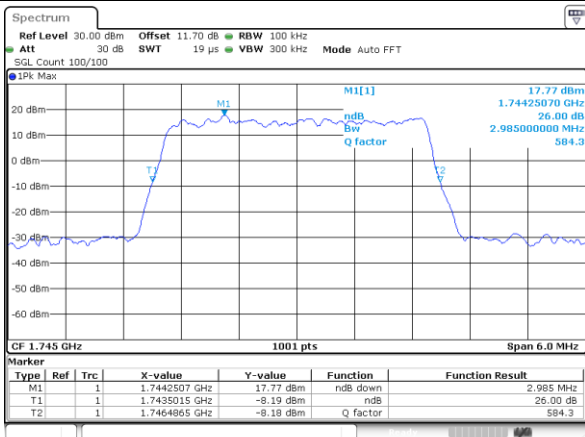
Date: 11.FEB.2020 05:05:03

Lowest Channel / 3MHz / 16QAM



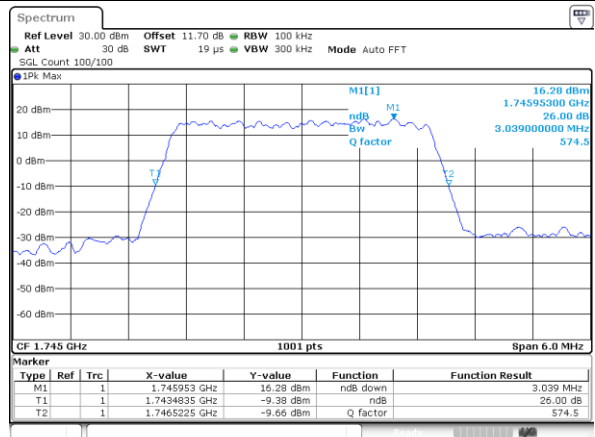
Date: 11.FEB.2020 05:10:17

Middle Channel / 3MHz / QPSK



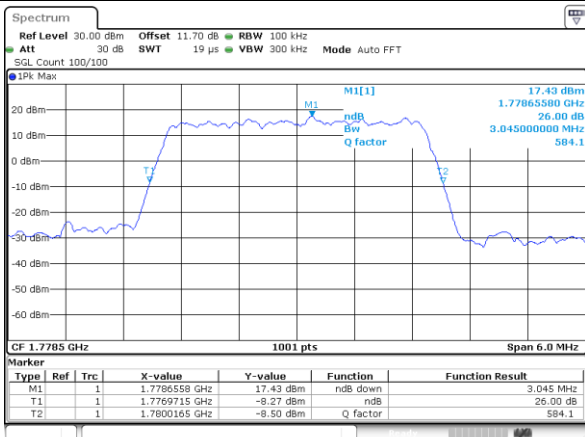
Date: 11.FEB.2020 05:12:29

Middle Channel / 3MHz / 16QAM



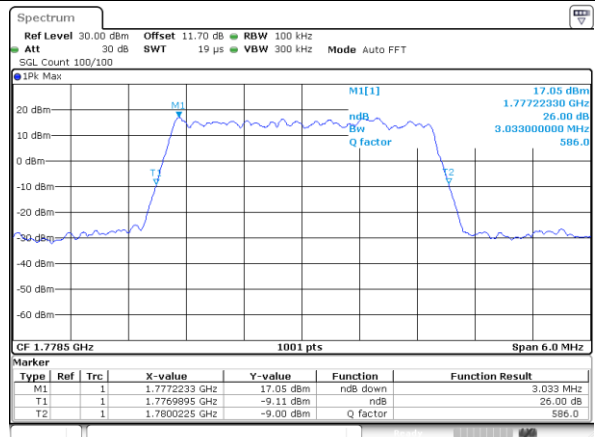
Date: 11.FEB.2020 05:12:43

Highest Channel / 3MHz / QPSK



Date: 11.FEB.2020 05:15:12

Highest Channel / 3MHz / 16QAM

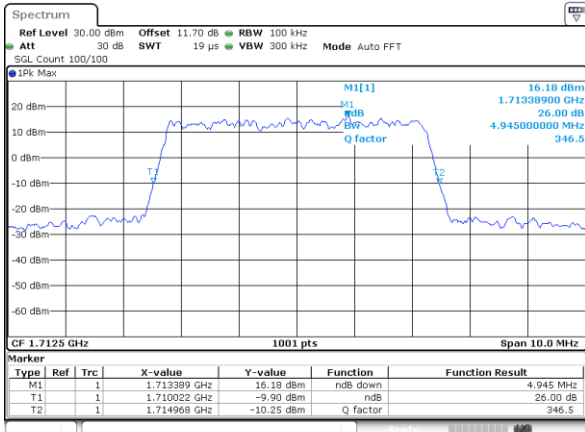


Date: 11.FEB.2020 05:15:25



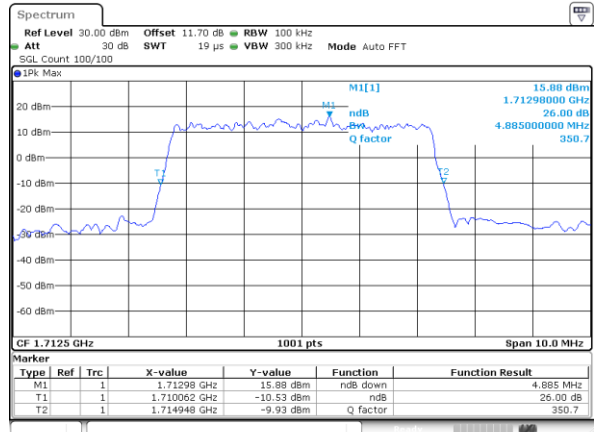
LTE Band 66

Lowest Channel / 5MHz / QPSK



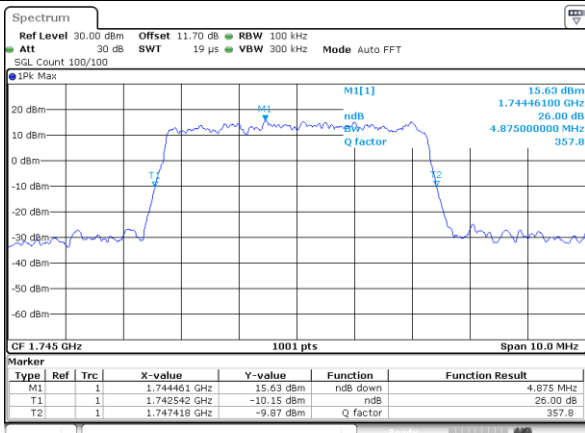
Date: 11.FEB.2020 05:40:13

Lowest Channel / 5MHz / 16QAM



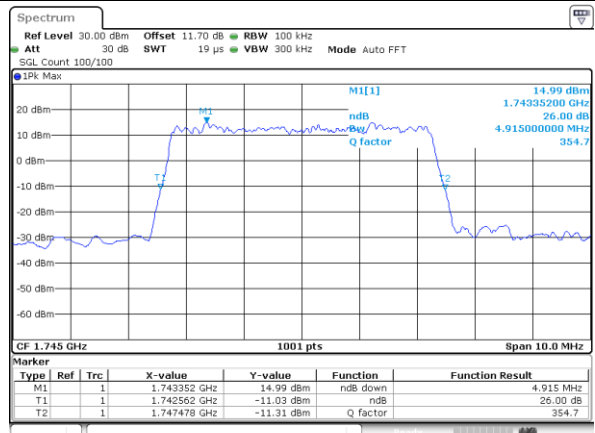
Date: 11.FEB.2020 05:40:27

Middle Channel / 5MHz / QPSK



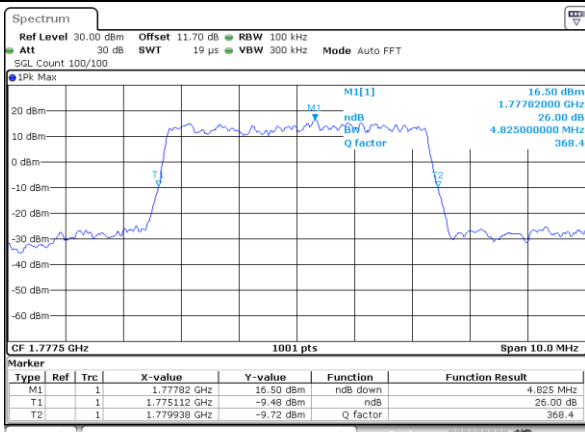
Date: 11.FEB.2020 05:47:40

Middle Channel / 5MHz / 16QAM



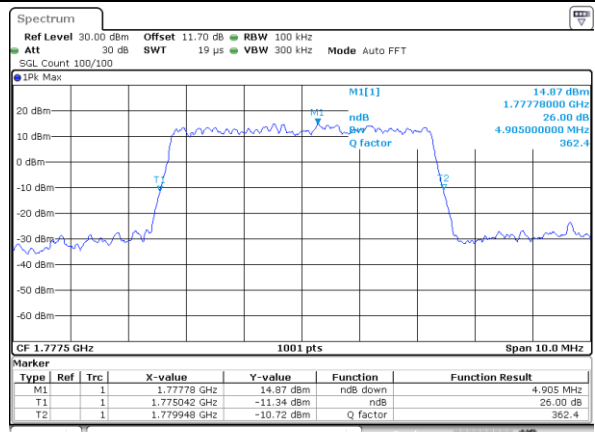
Date: 11.FEB.2020 05:47:53

Highest Channel / 5MHz / QPSK



Date: 11.FEB.2020 05:50:22

Highest Channel / 5MHz / 16QAM

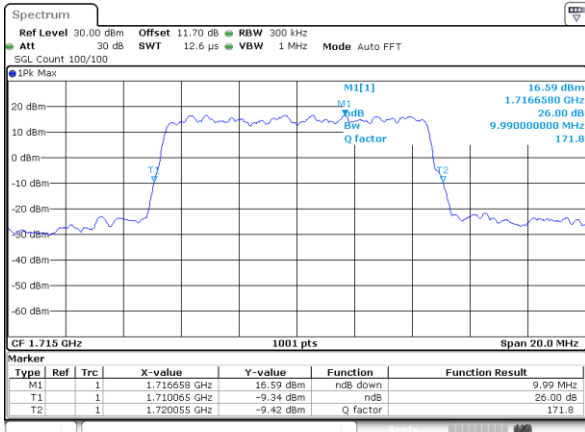


Date: 11.FEB.2020 05:50:36



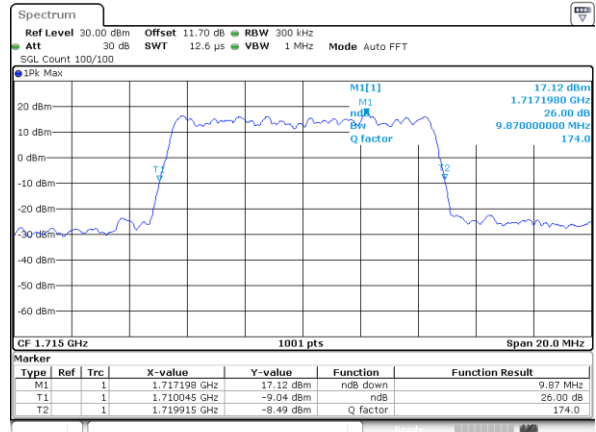
LTE Band 66

Lowest Channel / 10MHz / QPSK



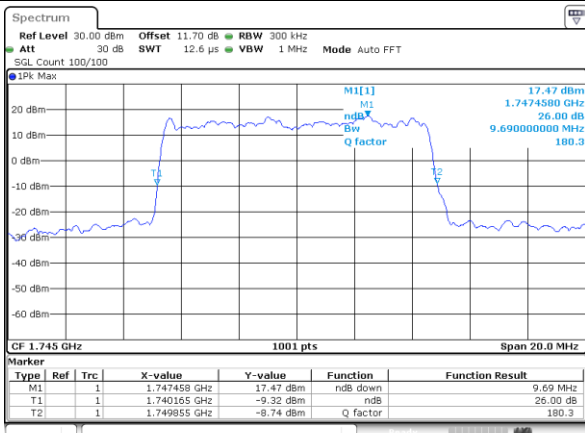
Date: 11.FEB.2020 05:57:49

Lowest Channel / 10MHz / 16QAM



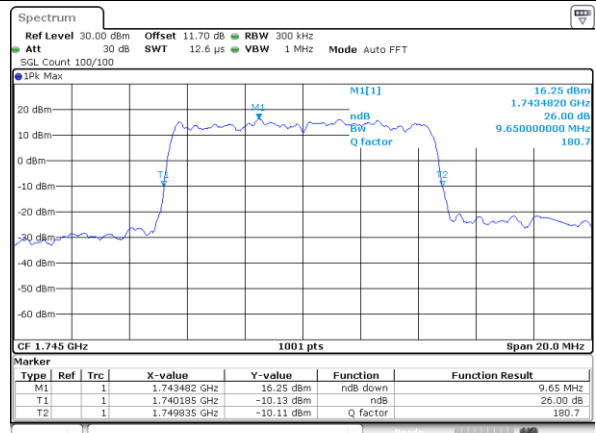
Date: 11.FEB.2020 05:58:03

Middle Channel / 10MHz / QPSK



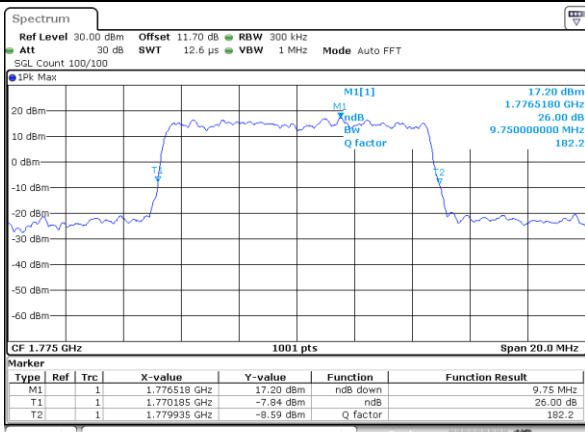
Date: 11.FEB.2020 06:05:16

Middle Channel / 10MHz / 16QAM



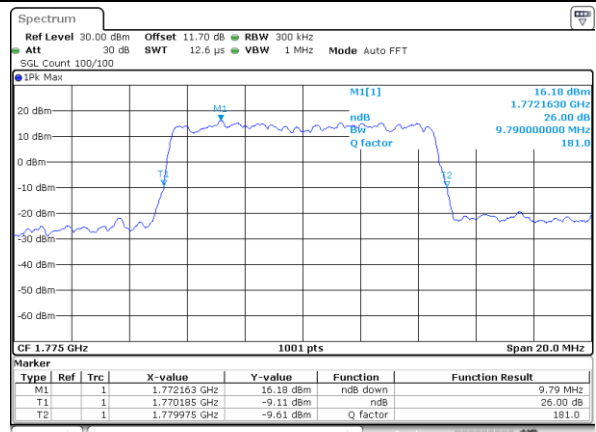
Date: 11.FEB.2020 06:05:30

Highest Channel / 10MHz / QPSK



Date: 11.FEB.2020 06:07:59

Highest Channel / 10MHz / 16QAM



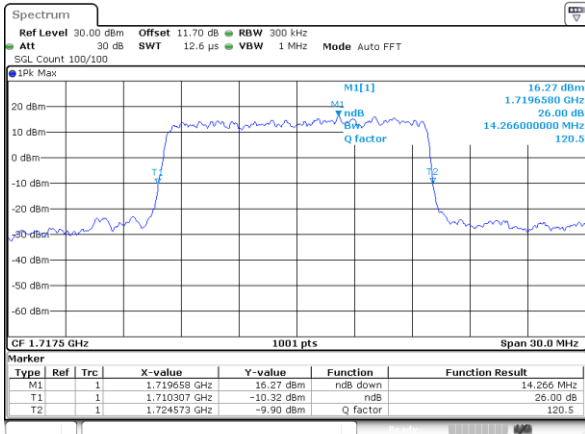
Date: 11.FEB.2020 06:08:12





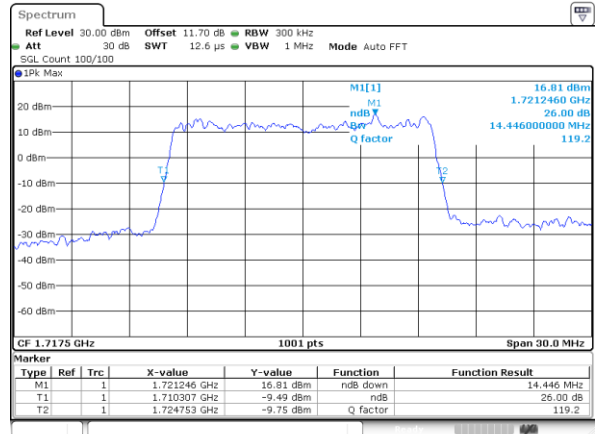
LTE Band 66

Lowest Channel / 15MHz / QPSK



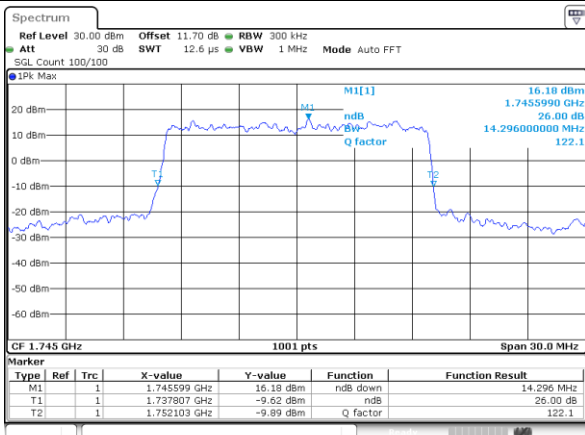
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Lowest Channel / 15MHz / 16QAM



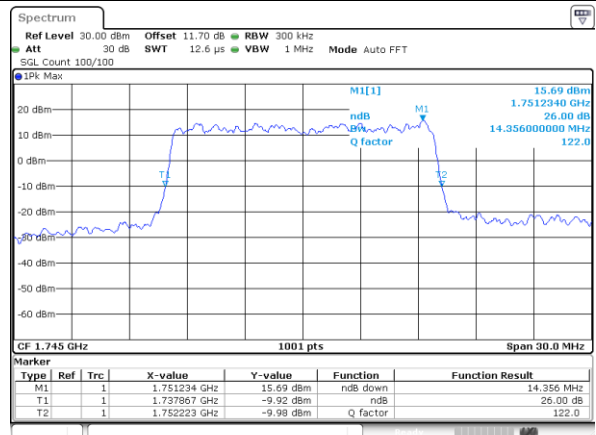
Date: 11.FEB.2020 06:13:14

Middle Channel / 15MHz / QPSK



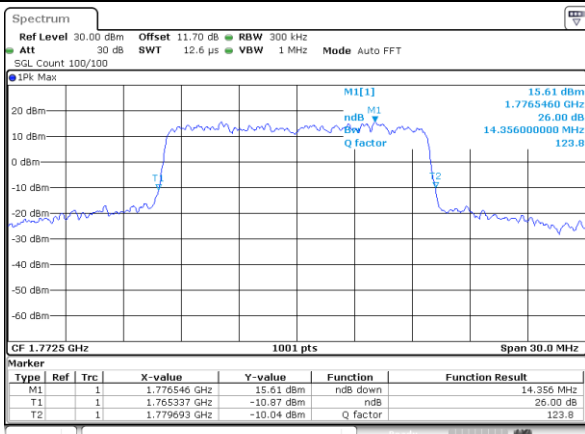
Date: 11.FEB.2020 06:40:27

Middle Channel / 15MHz / 16QAM



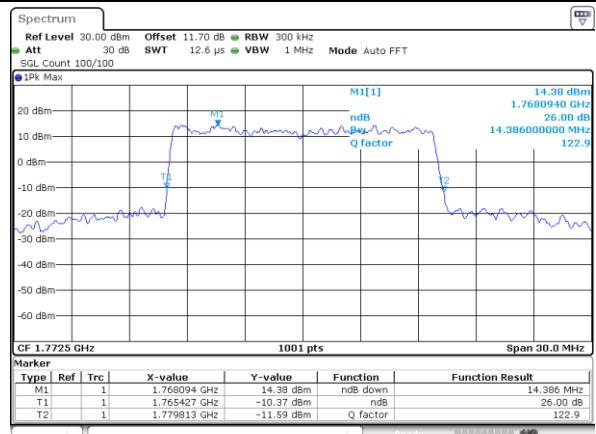
Date: 11.FEB.2020 06:40:41

Highest Channel / 15MHz / QPSK



Date: 11.FEB.2020 06:43:10

Highest Channel / 15MHz / 16QAM



Date: 11.FEB.2020 06:43:24