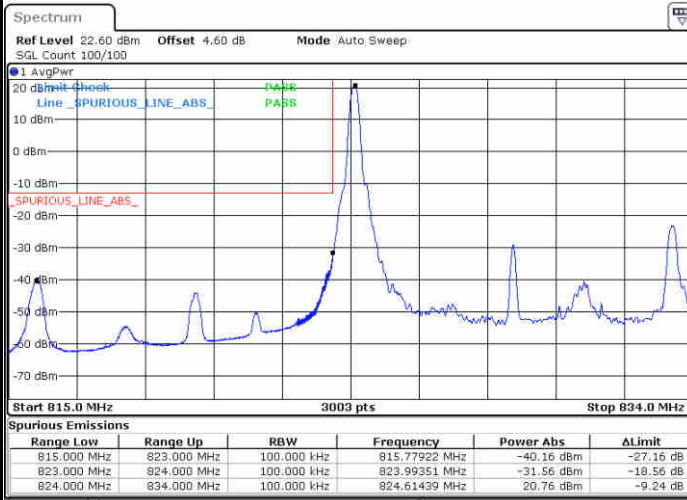




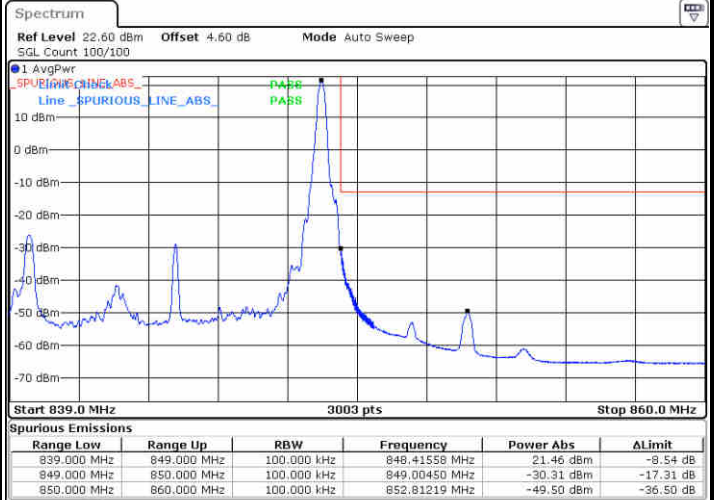
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



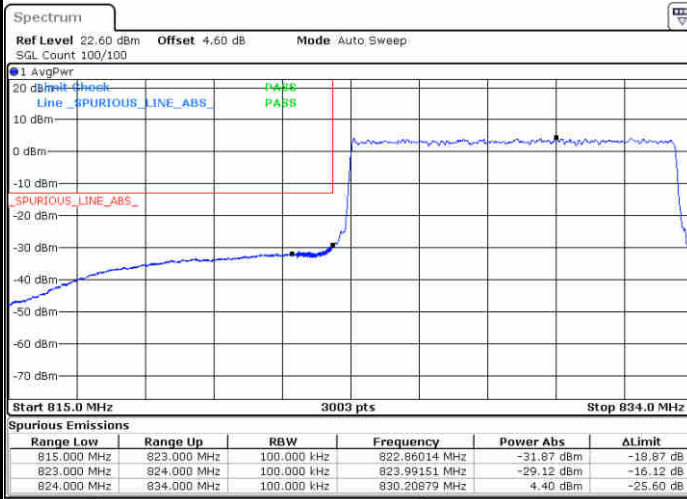
Date: 7 MAR 2020 15:45:17

Highest Band Edge / 1 RB



Date: 7 MAR 2020 15:54:01

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:48:41

Highest Band Edge / Full RB

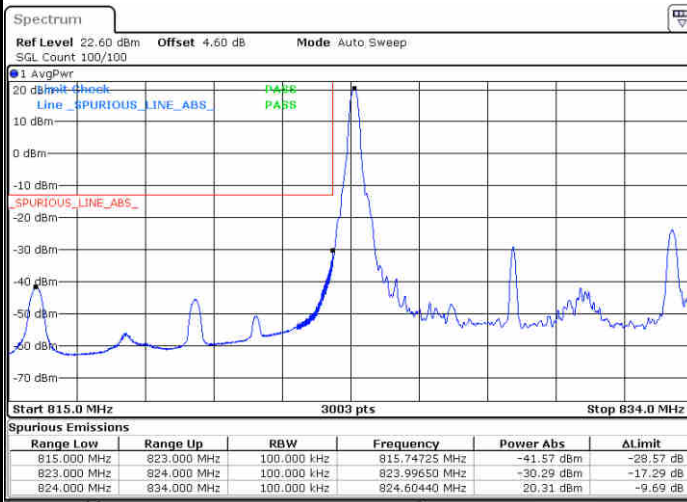


Date: 7 MAR 2020 15:50:12



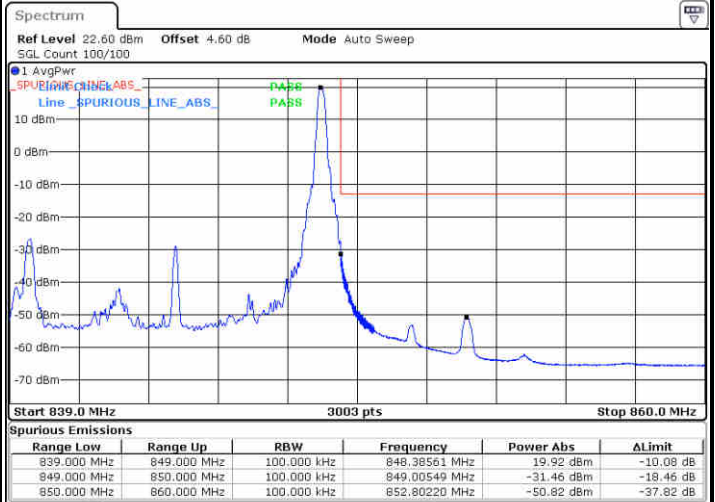
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



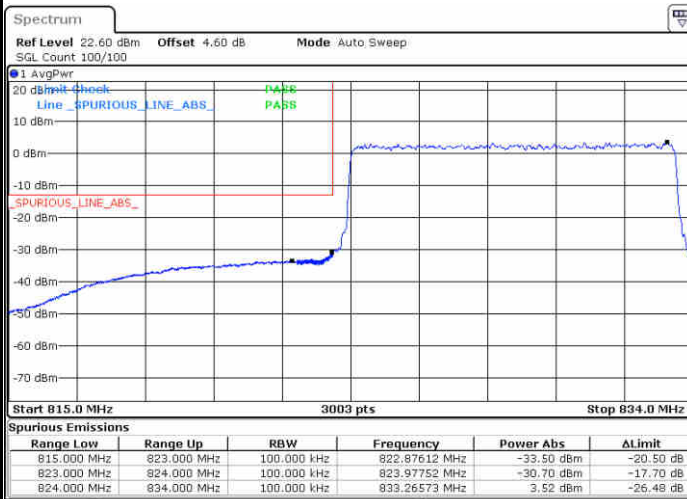
Date: 7 MAR 2020 15:45:52

Highest Band Edge / 1 RB



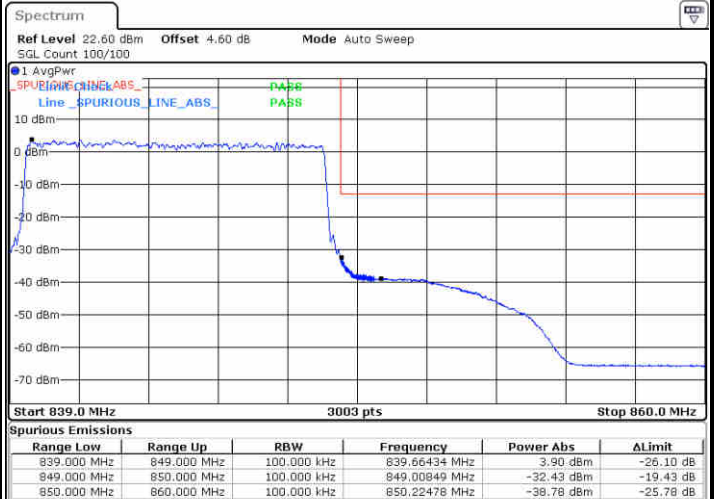
Date: 7 MAR 2020 15:53:15

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:48:05

Highest Band Edge / Full RB

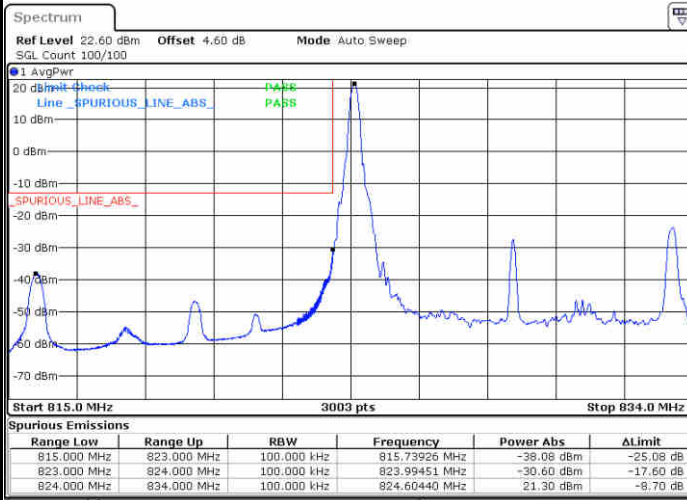


Date: 7 MAR 2020 15:51:17



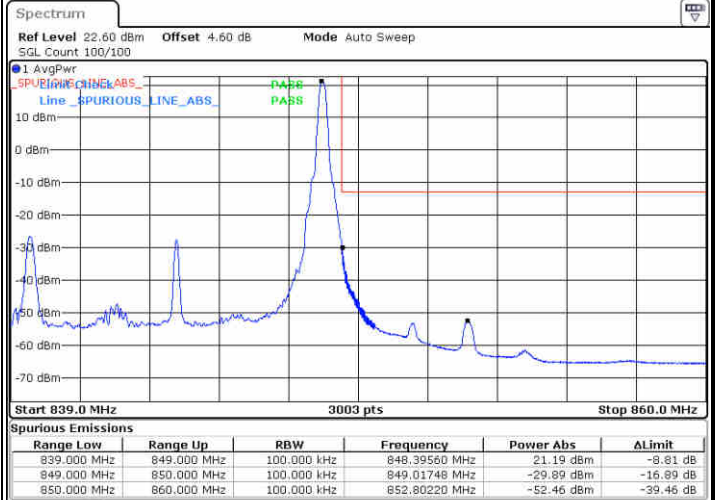
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



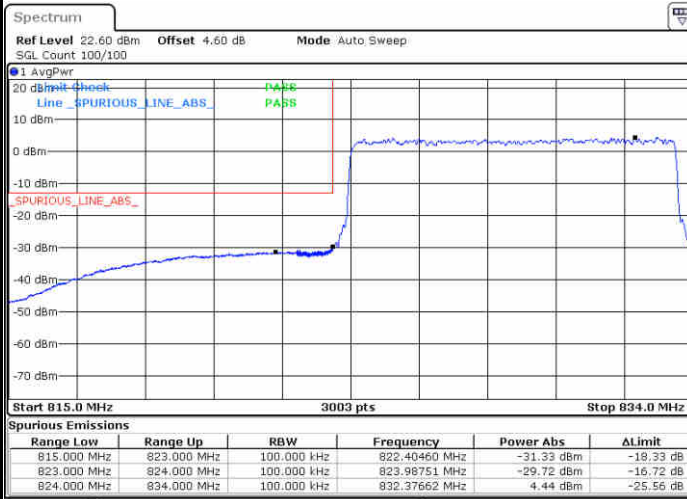
Date: 7 MAR 2020 15:46:29

Highest Band Edge / 1 RB



Date: 7 MAR 2020 15:52:39

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:47:20

Highest Band Edge / Full RB

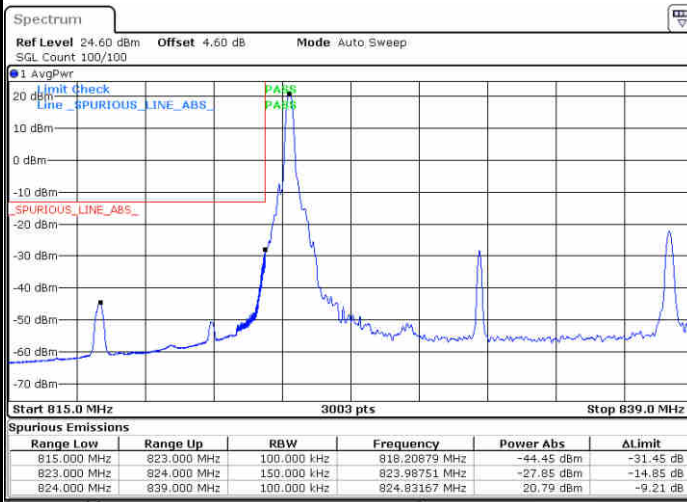


Date: 7 MAR 2020 15:51:55



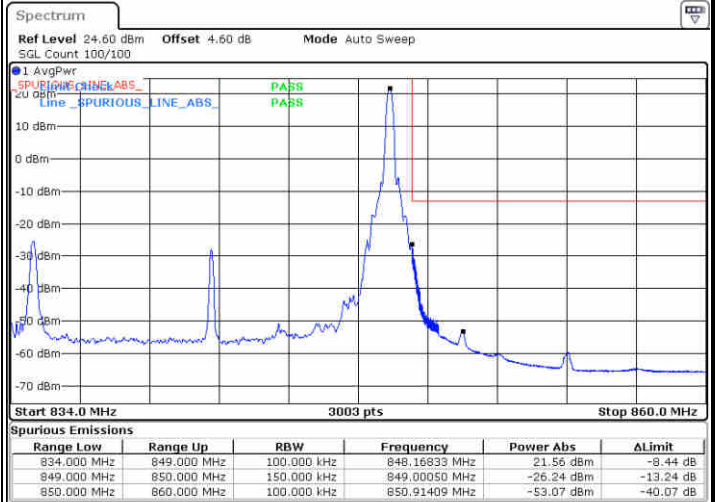
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



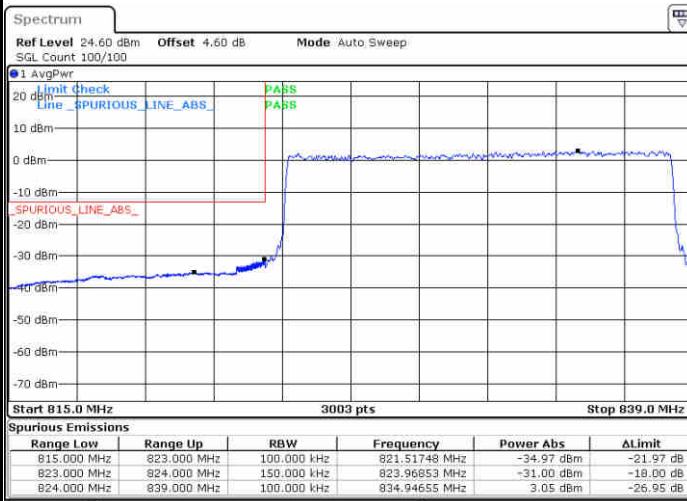
Date: 7 MAR 2020 15:55:01

Highest Band Edge / 1 RB



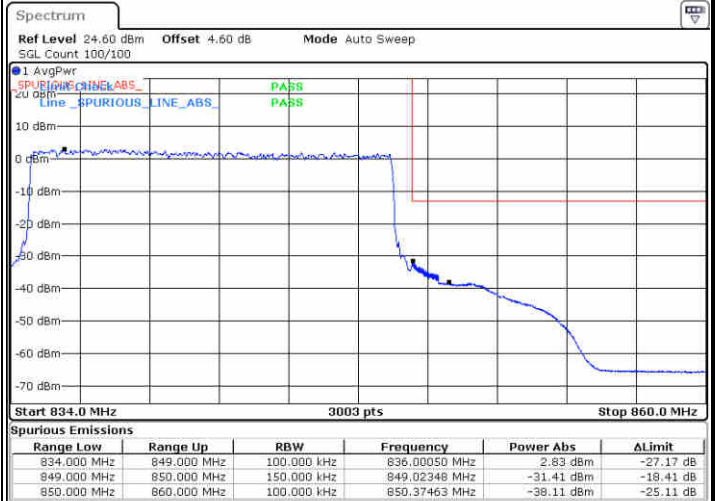
Date: 7 MAR 2020 16:03:04

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:58:13

Highest Band Edge / Full RB

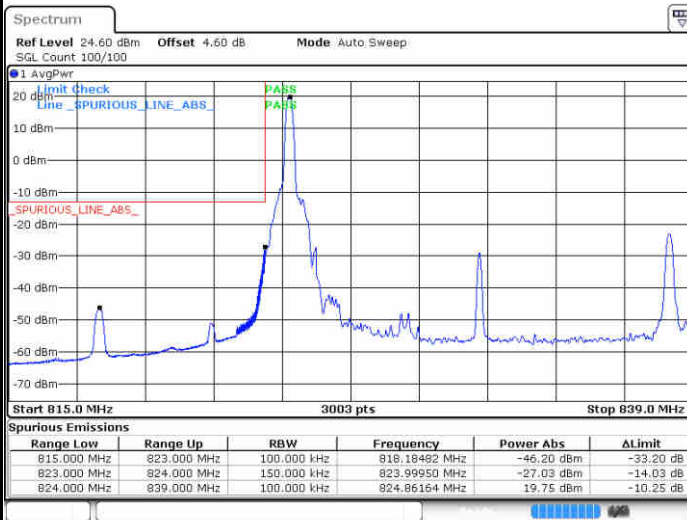


Date: 7 MAR 2020 15:59:07



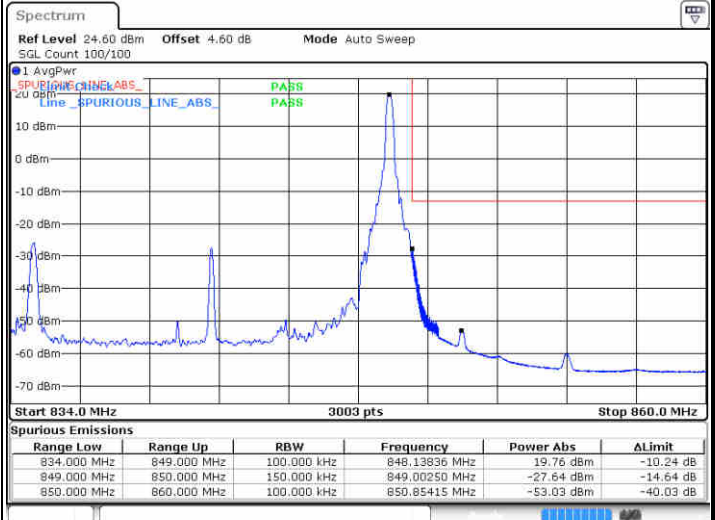
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



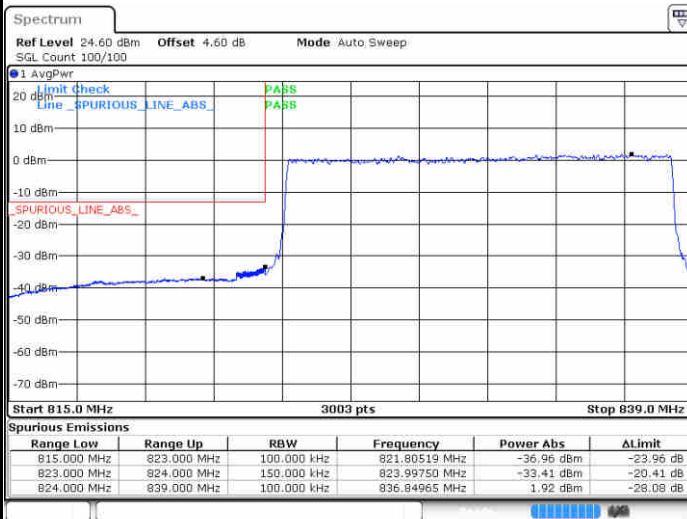
Date: 7 MAR 2020 15:55:35

Highest Band Edge / 1 RB



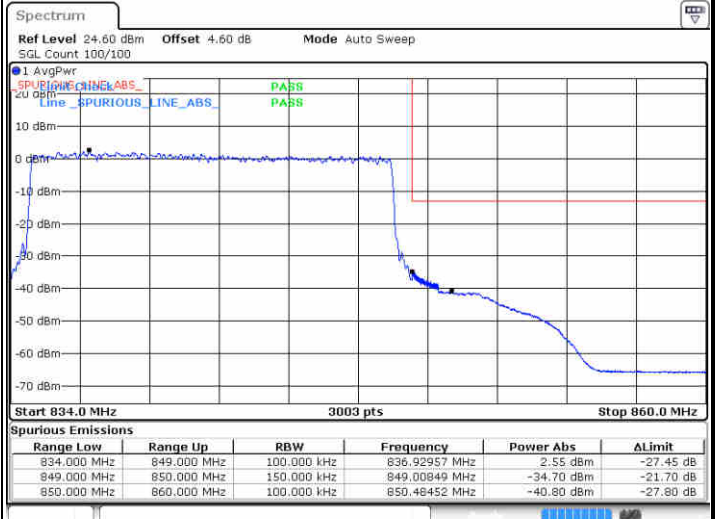
Date: 7 MAR 2020 16:02:25

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:57:35

Highest Band Edge / Full RB

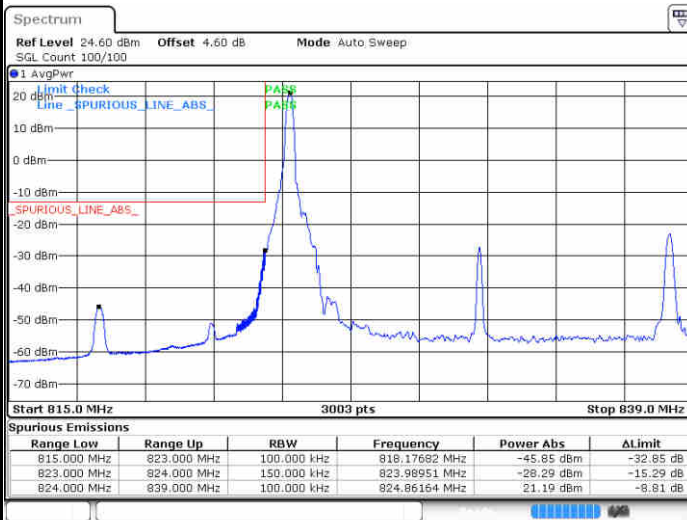


Date: 7 MAR 2020 16:00:08



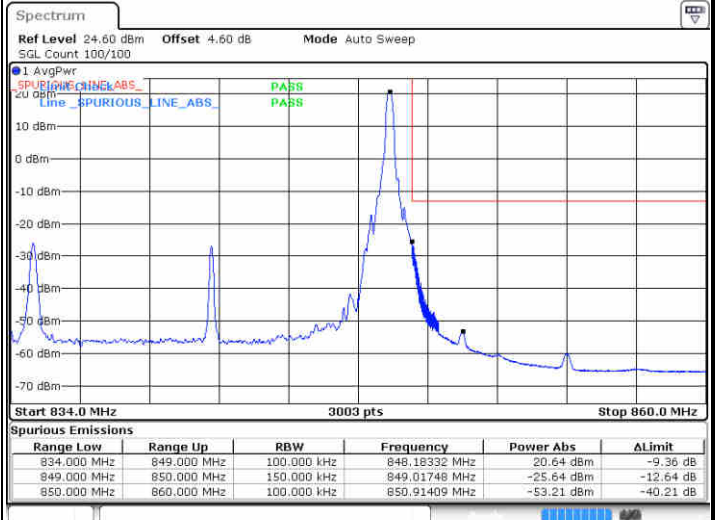
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



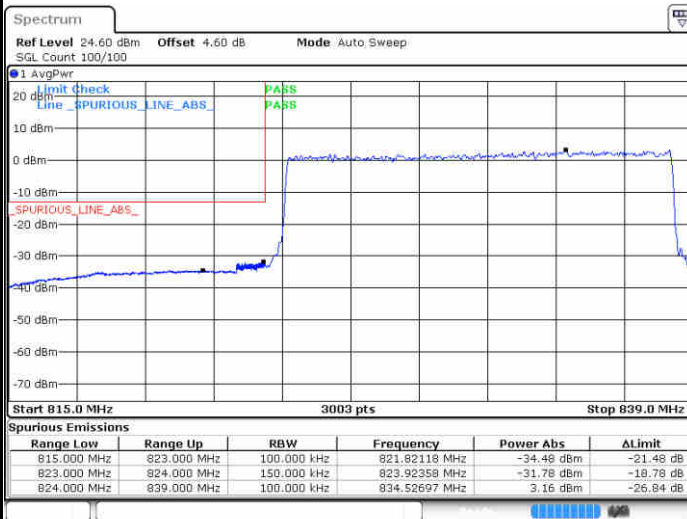
Date: 7 MAR 2020 15:56:25

Highest Band Edge / 1 RB



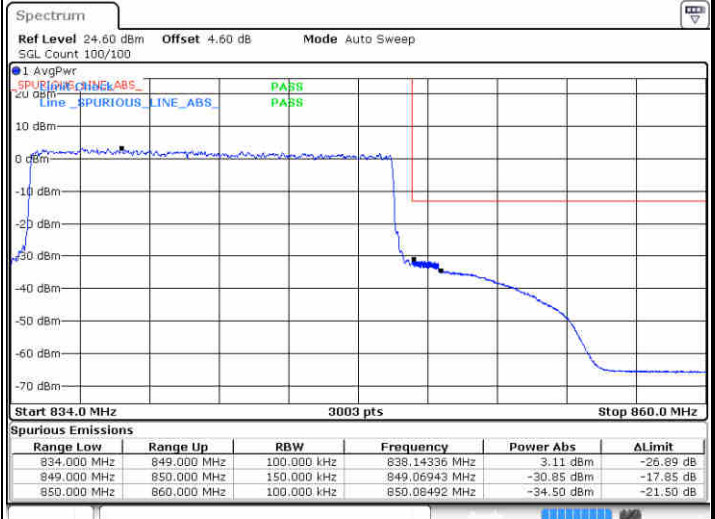
Date: 7 MAR 2020 16:01:38

Lowest Band Edge / Full RB



Date: 7 MAR 2020 15:57:00

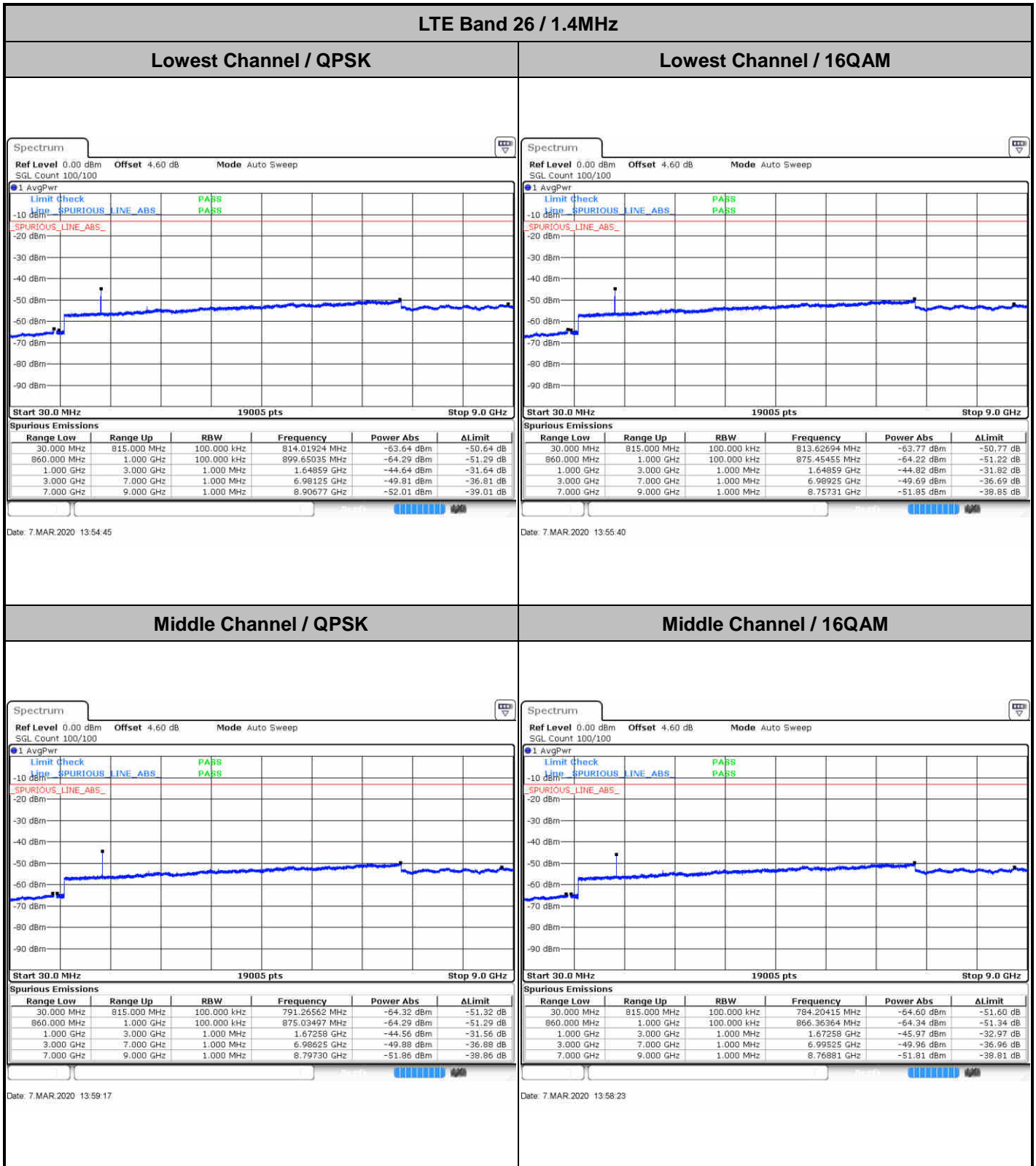
Highest Band Edge / Full RB



Date: 7 MAR 2020 16:00:54



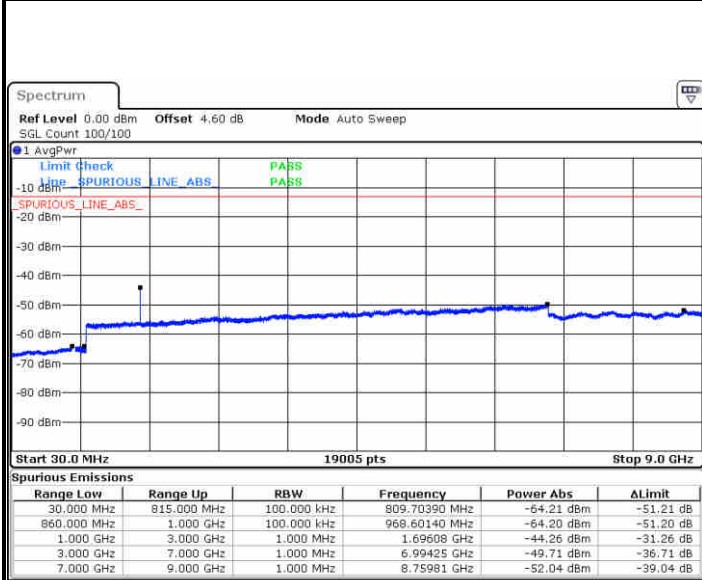
# Conducted Spurious Emission





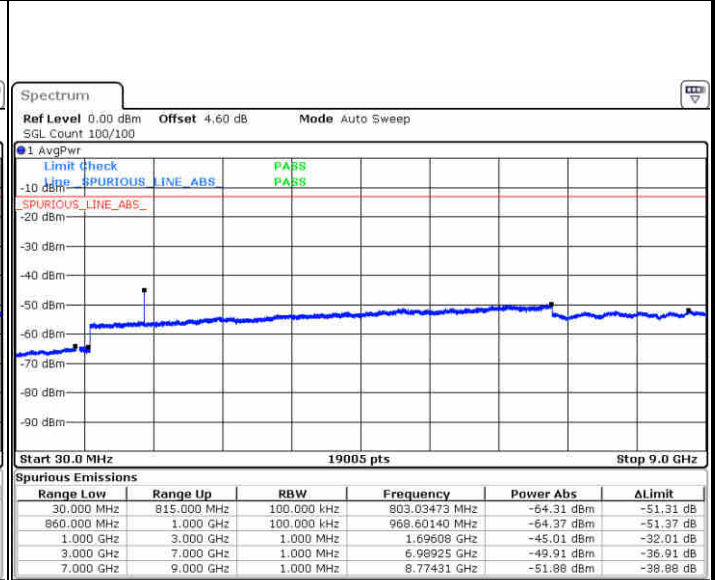
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 7.MAR.2020 14:00:11

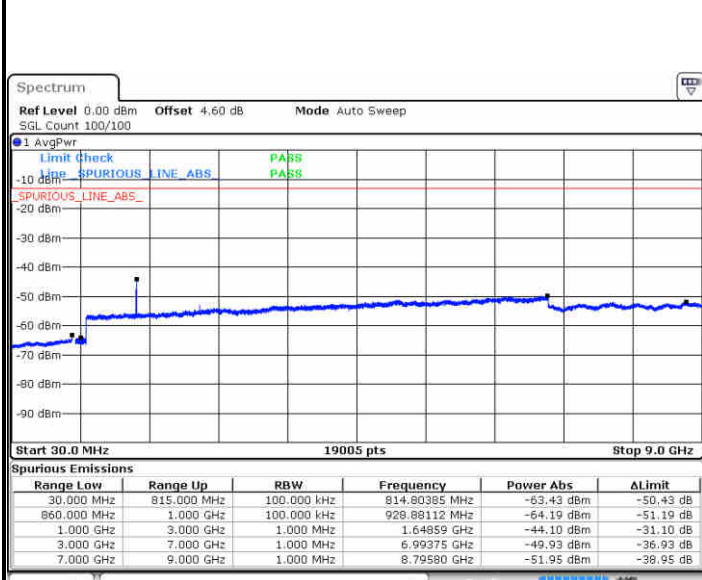
Highest Channel / 16QAM



Date: 7.MAR.2020 14:01:06

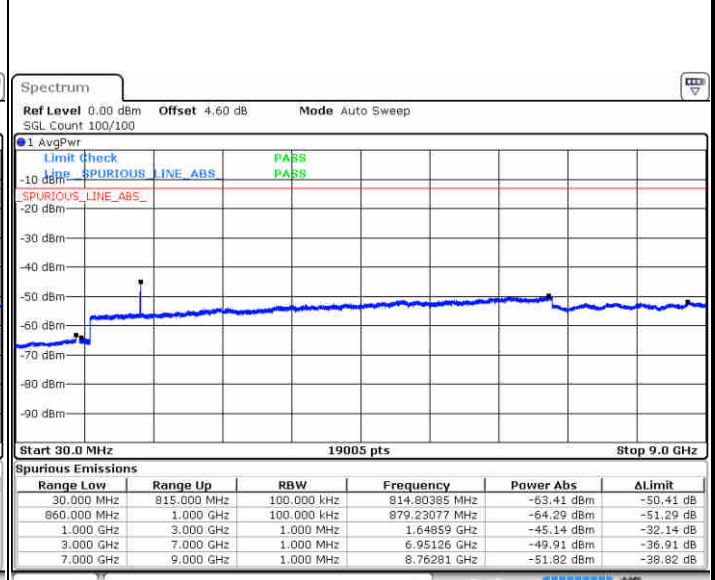
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 7.MAR.2020 14:09:43

Lowest Channel / 16QAM



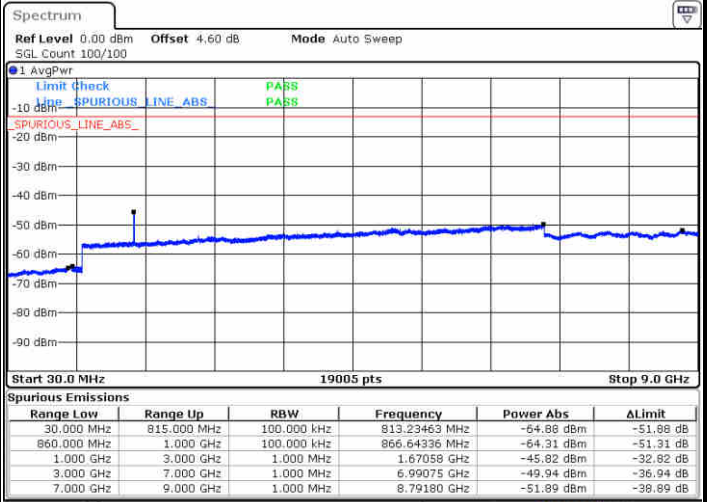
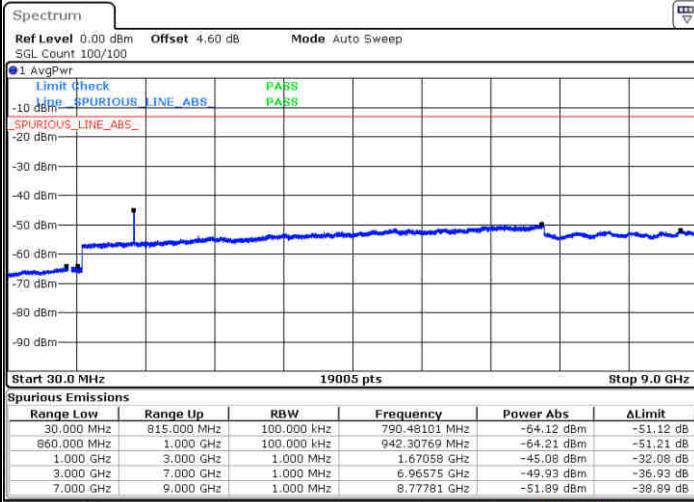
Date: 7.MAR.2020 14:08:49



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

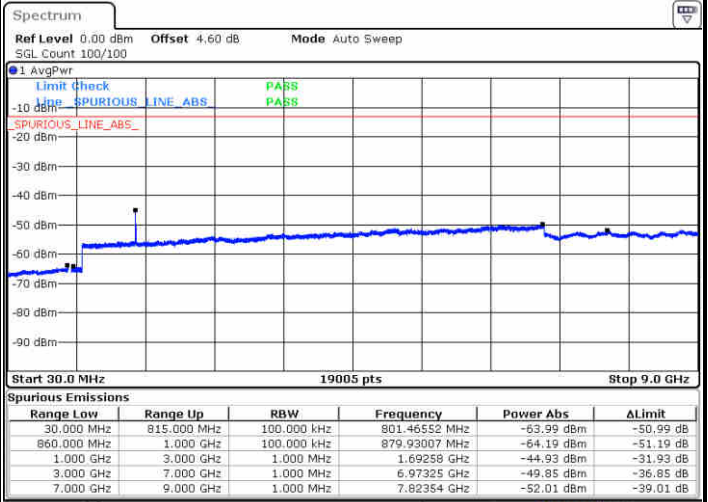
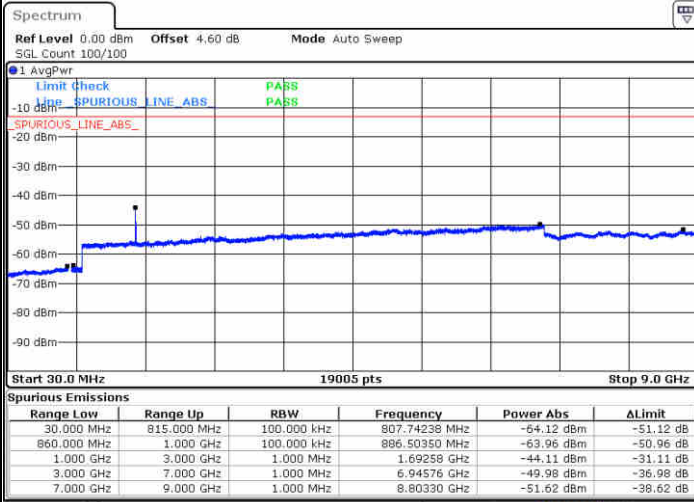


Date: 7.MAR.2020 14:10:38

Date: 7.MAR.2020 14:11:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAR.2020 14:15:09

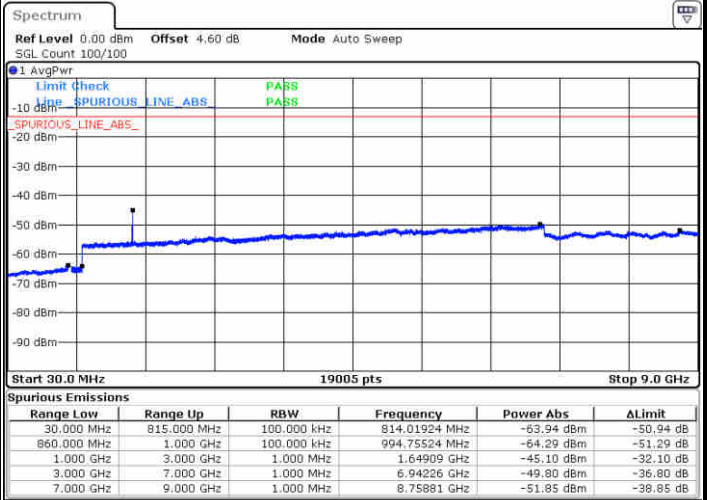
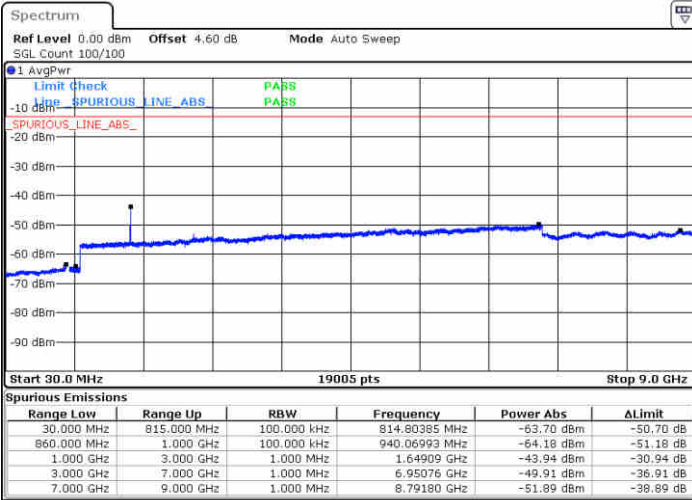
Date: 7.MAR.2020 14:14:15



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

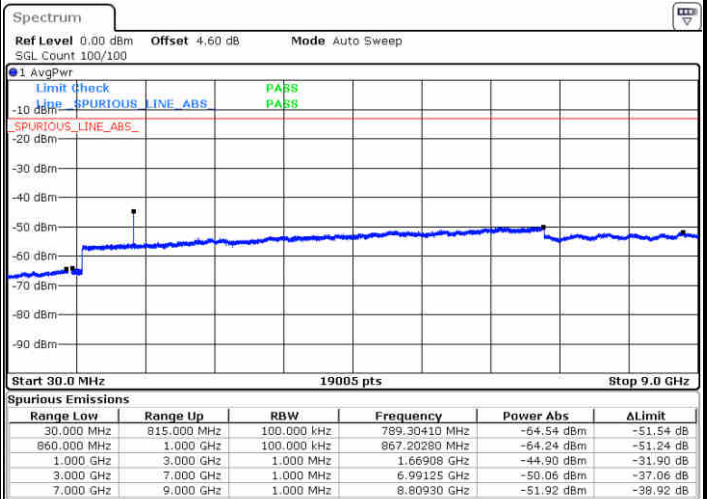
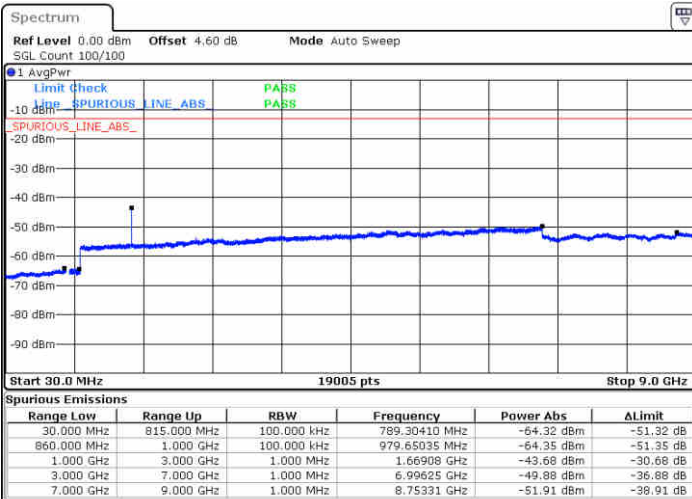


Date: 7.MAR.2020 14:19:04

Date: 7.MAR.2020 14:19:58

Middle Channel / QPSK

Middle Channel / 16QAM



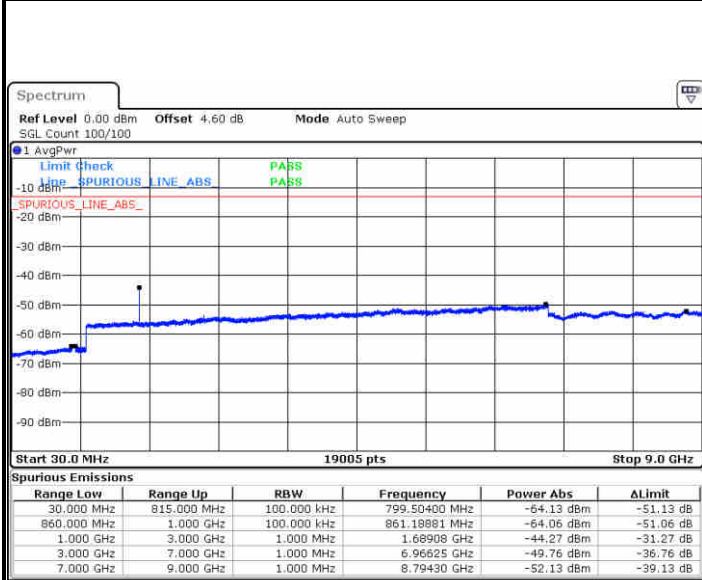
Date: 7.MAR.2020 14:23:36

Date: 7.MAR.2020 14:22:42



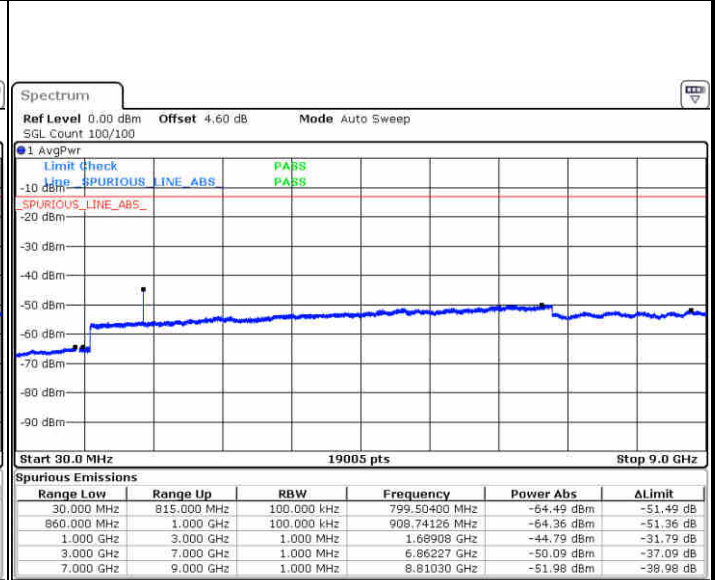
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 7.MAR.2020 14:24:30

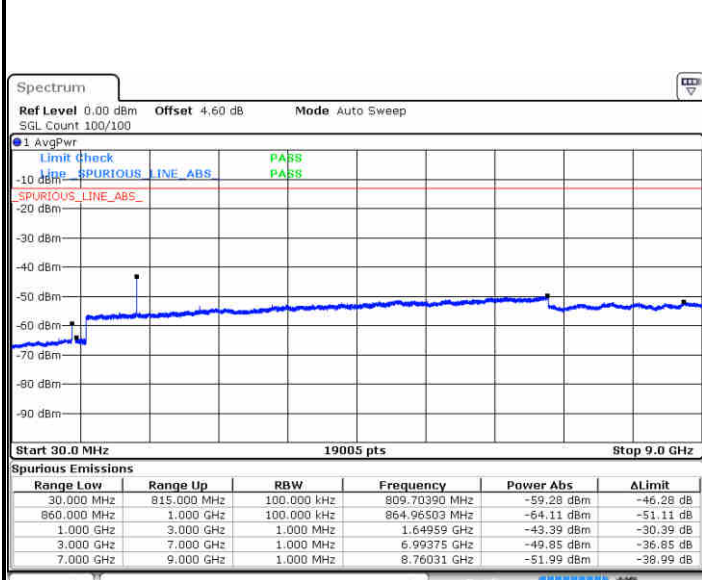
Highest Channel / 16QAM



Date: 7.MAR.2020 14:25:25

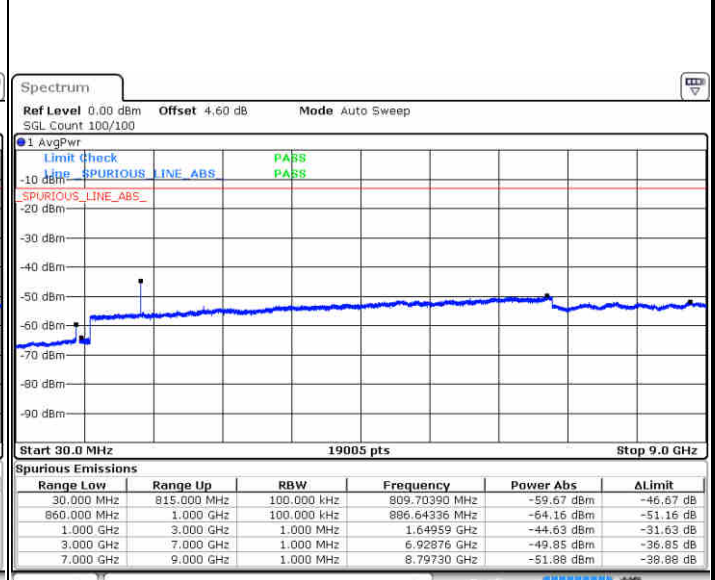
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 7.MAR.2020 14:30:13

Lowest Channel / 16QAM



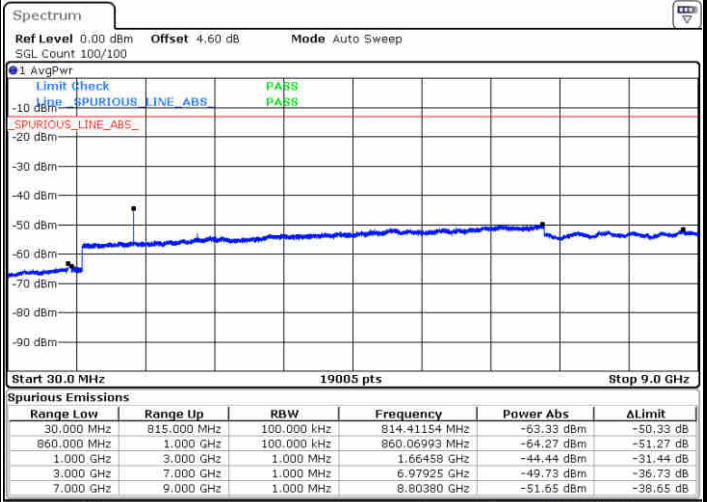
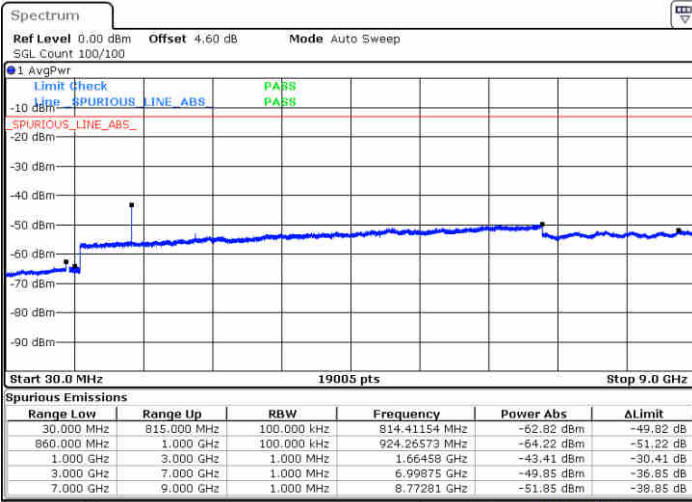
Date: 7.MAR.2020 14:31:08



LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

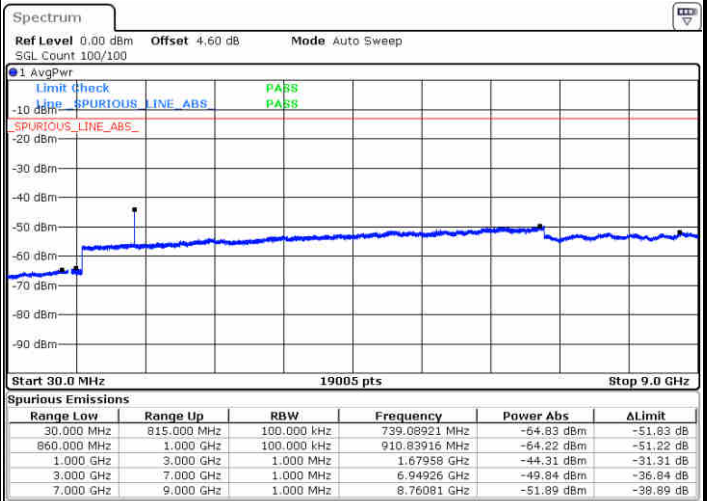
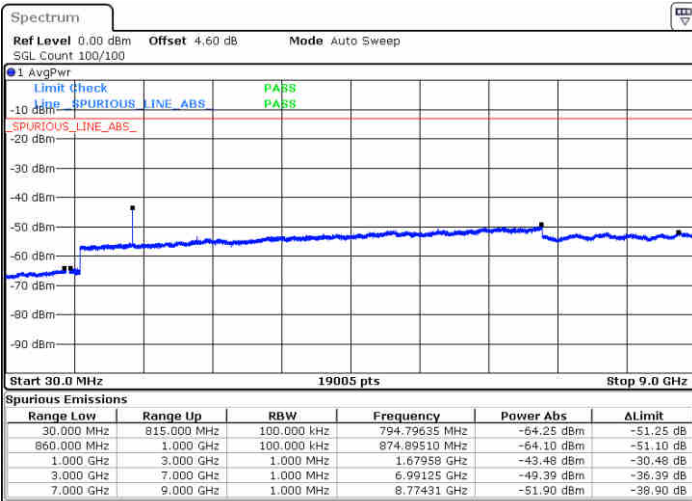


Date: 7.MAR.2020 14:34:45

Date: 7.MAR.2020 14:33:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAR.2020 14:35:40

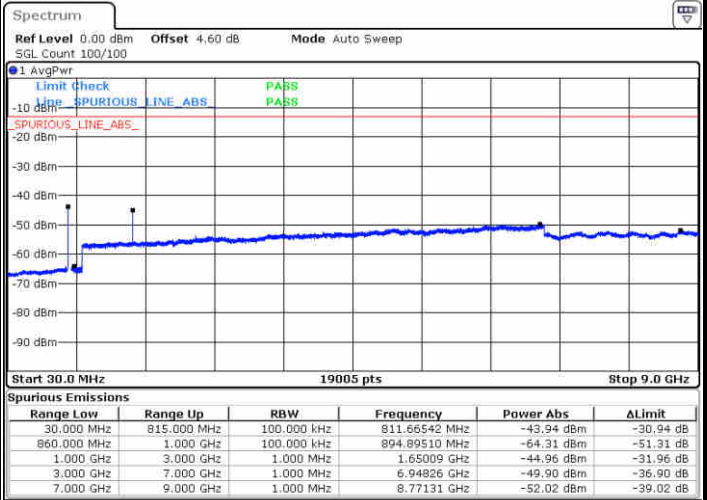
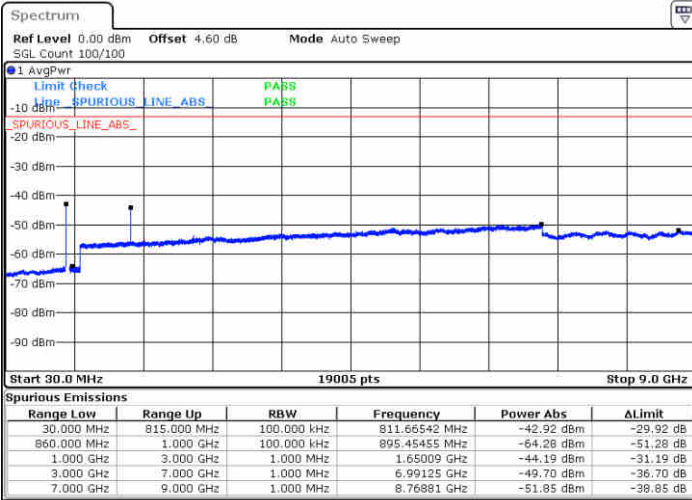
Date: 7.MAR.2020 14:38:34



LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

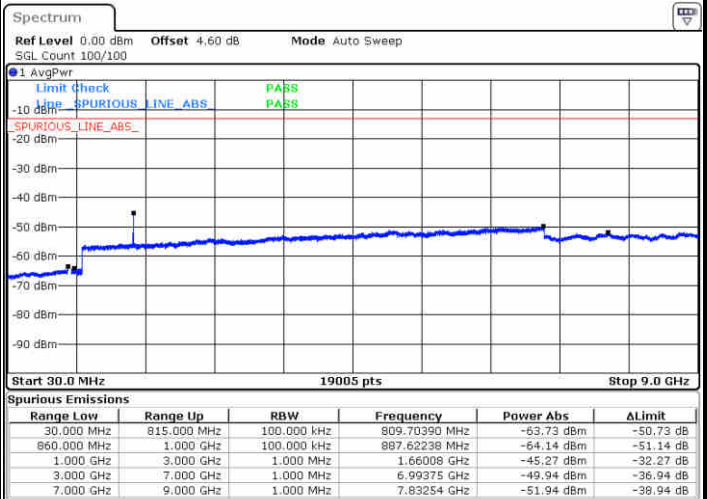
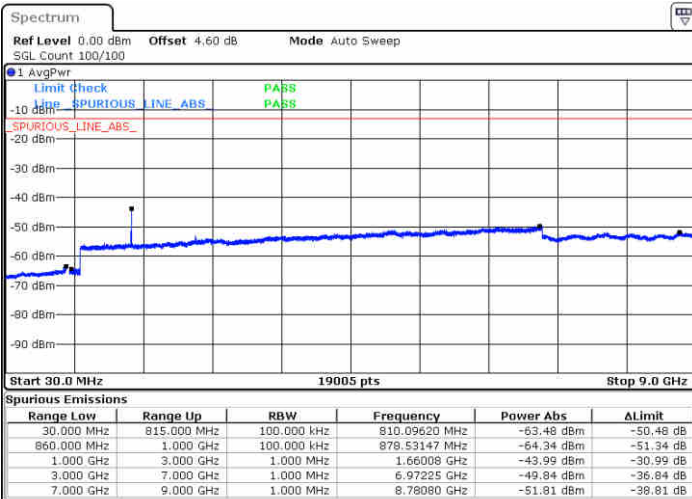


Date: 7.MAR.2020 14:41:23

Date: 7.MAR.2020 14:42:17

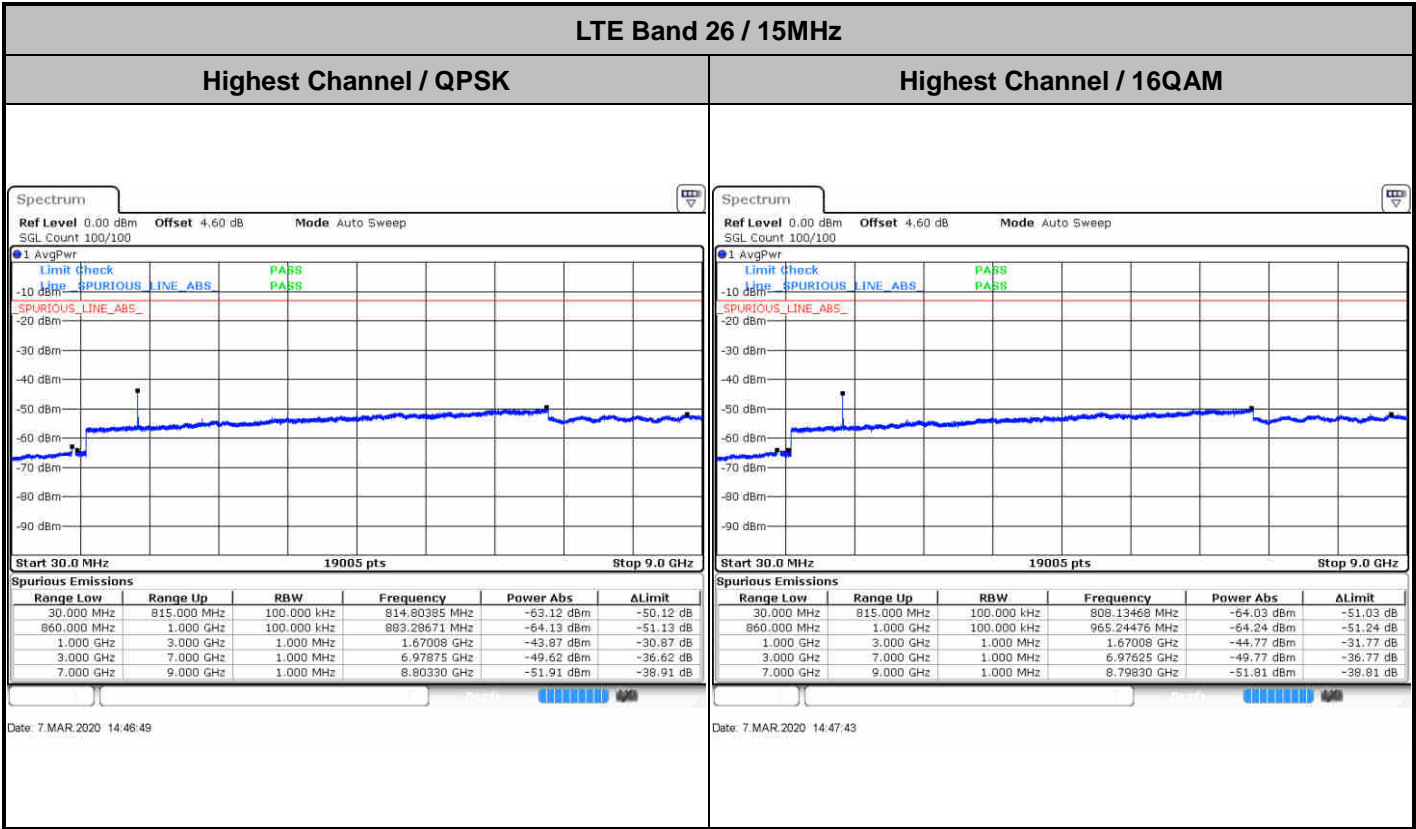
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7.MAR.2020 14:45:54

Date: 7.MAR.2020 14:45:00

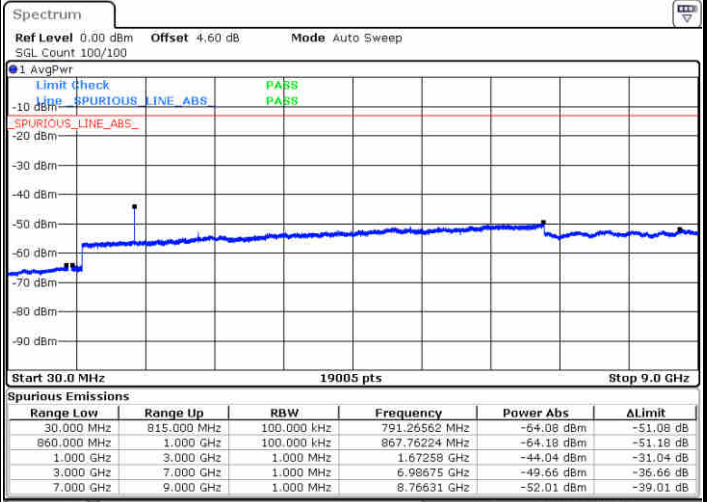
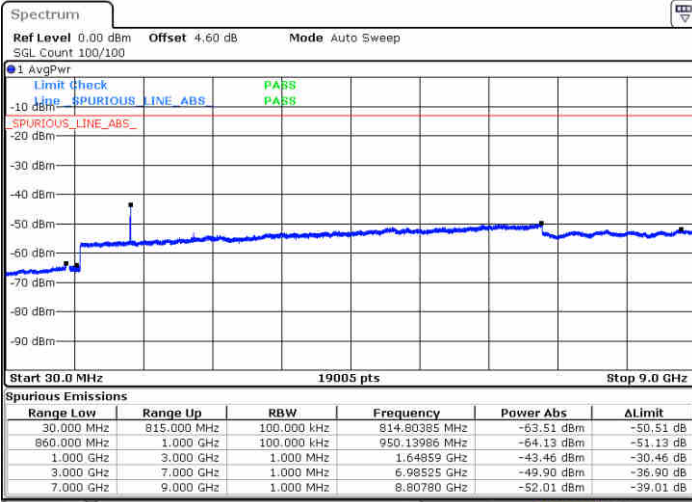




LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

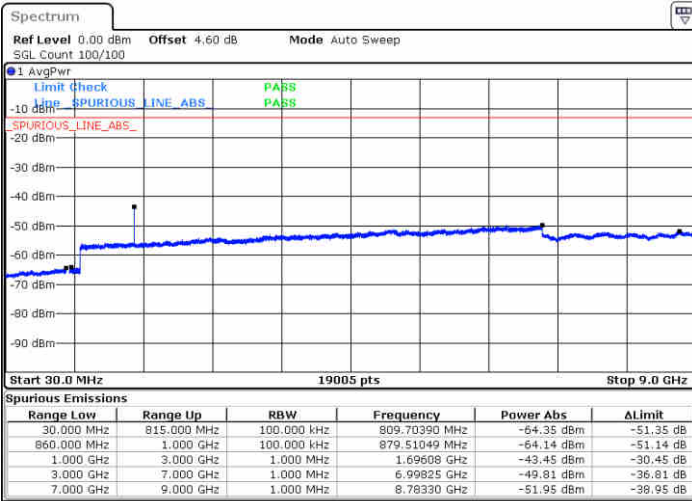
Middle Channel / 64QAM



Date: 7.MAR.2020 13:56:34

Date: 7.MAR.2020 13:57:28

Highest Channel / 64QAM



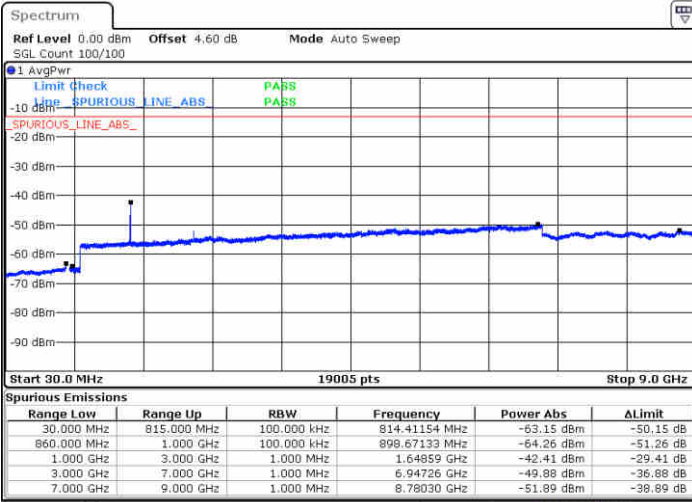
Date: 7.MAR.2020 14:02:00



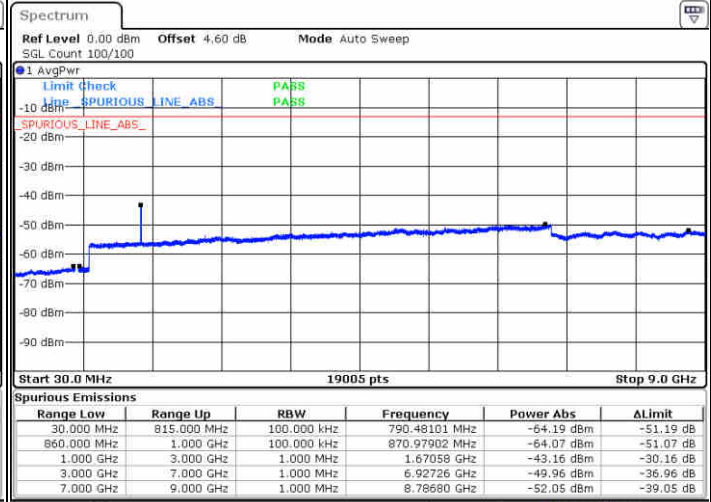
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

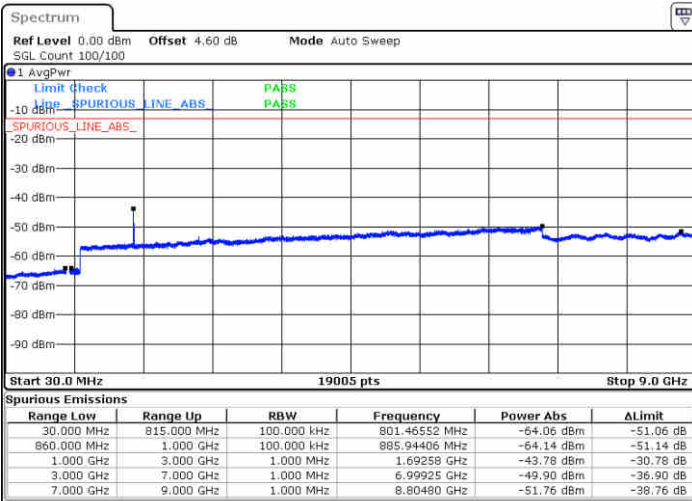


Date: 7.MAR.2020 14:07:54



Date: 7.MAR.2020 14:12:26

Highest Channel / 64QAM



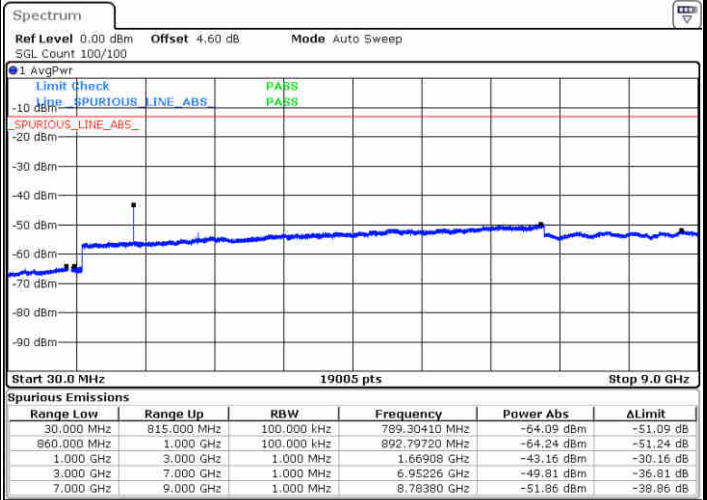
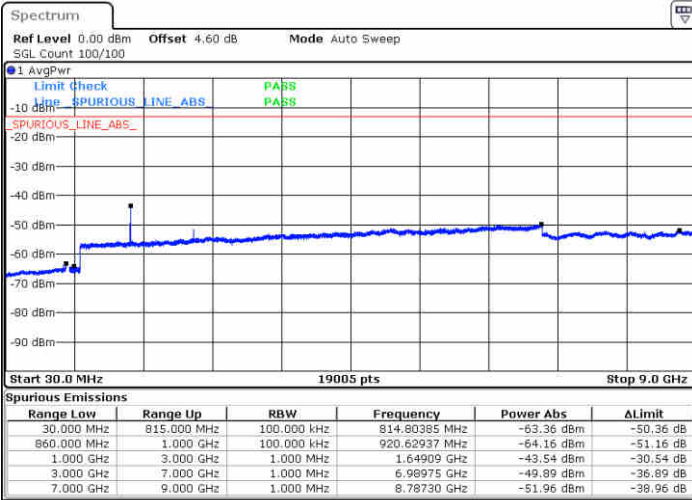
Date: 7.MAR.2020 14:13:21



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

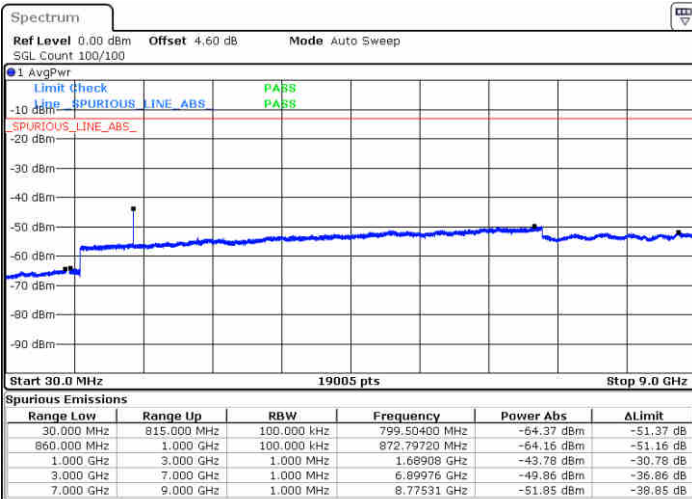
Middle Channel / 64QAM



Date: 7.MAR.2020 14:20:53

Date: 7.MAR.2020 14:21:47

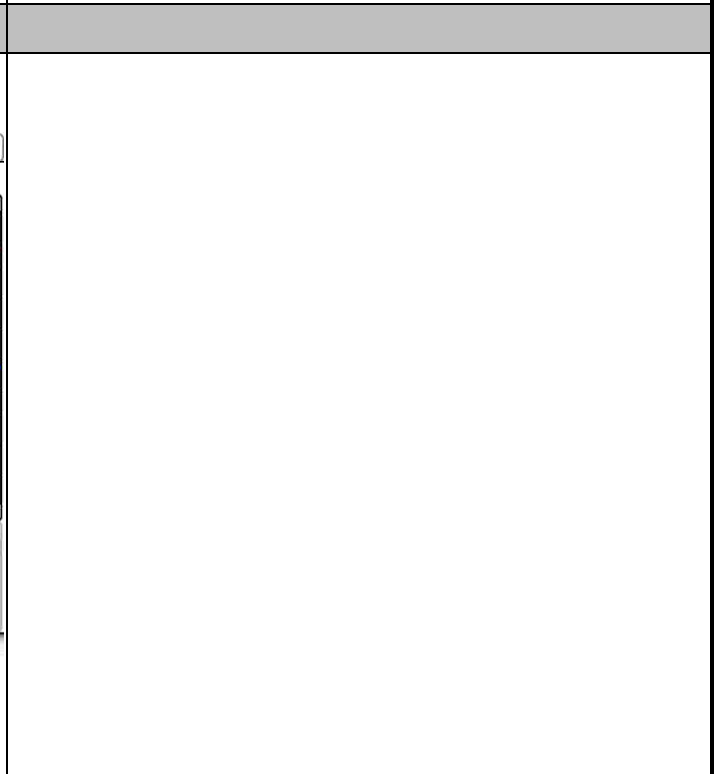
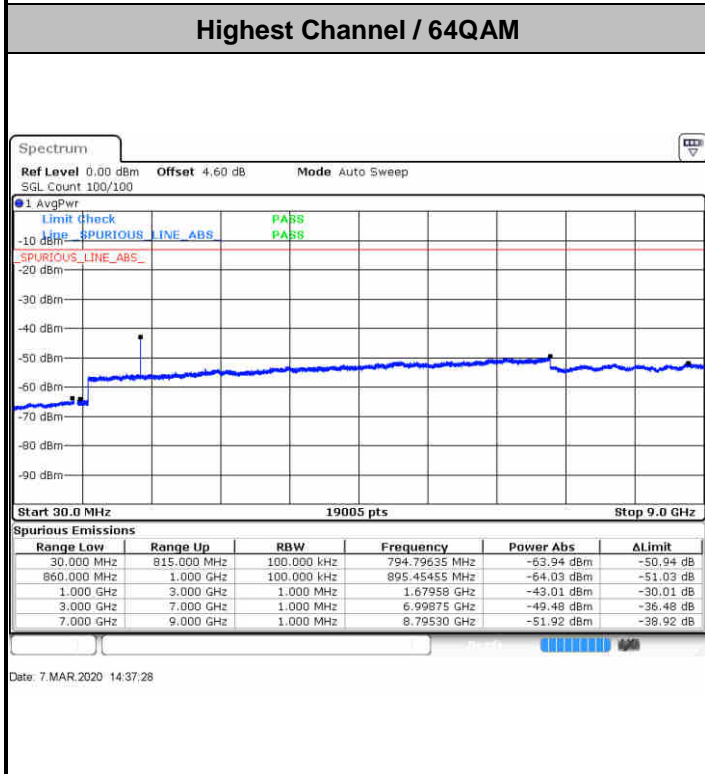
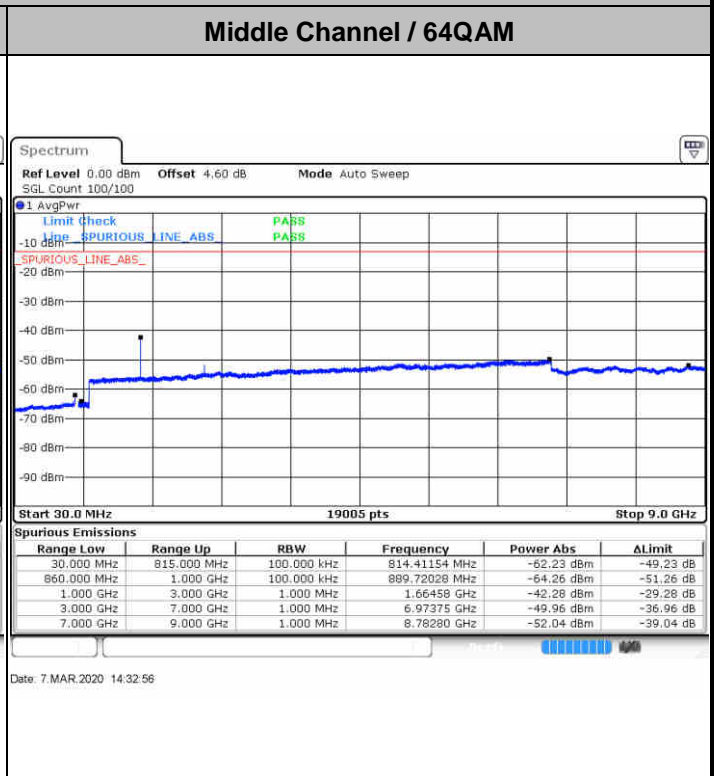
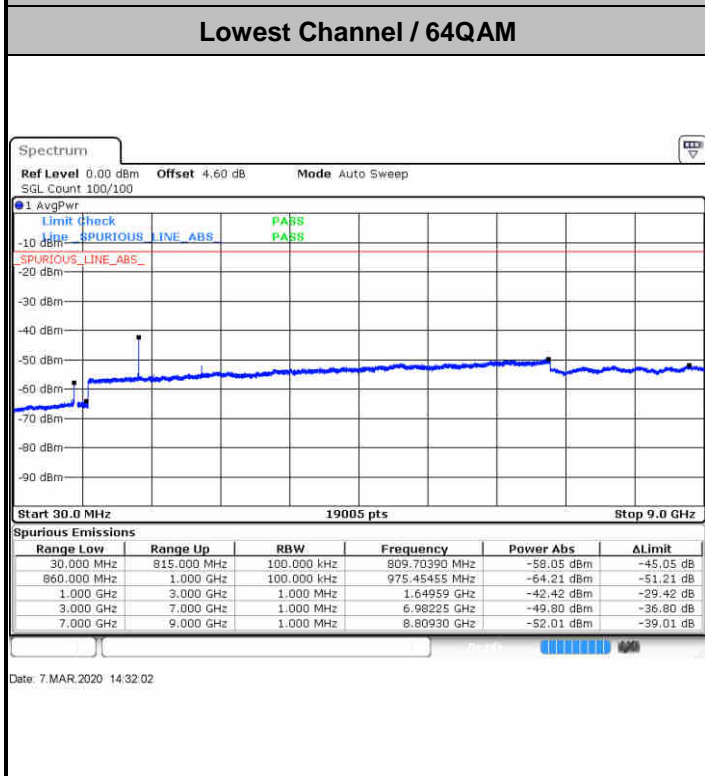
Highest Channel / 64QAM



Date: 7.MAR.2020 14:26:19



**LTE Band 26 / 10MHz**

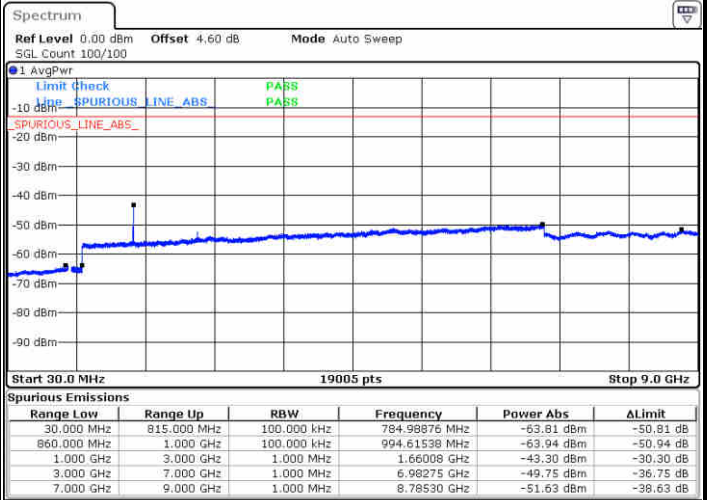
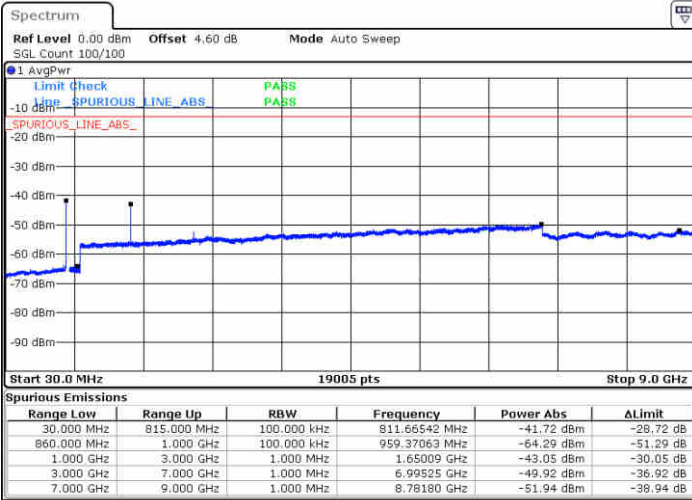




LTE Band 26 / 15MHz

Lowest Channel / 64QAM

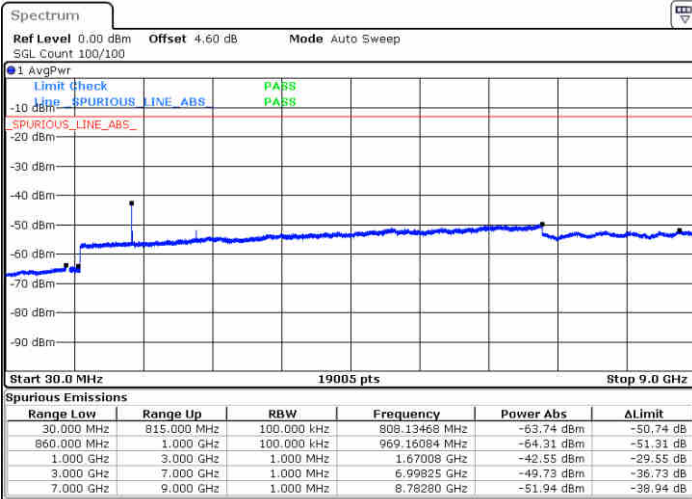
Middle Channel / 64QAM



Date: 7.MAR.2020 14:43:11

Date: 7.MAR.2020 14:44:06

Highest Channel / 64QAM

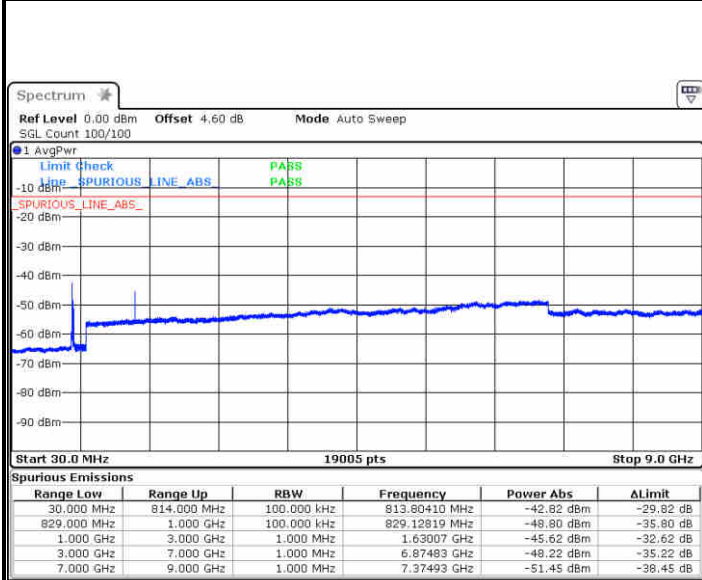


Date: 7.MAR.2020 14:48:38



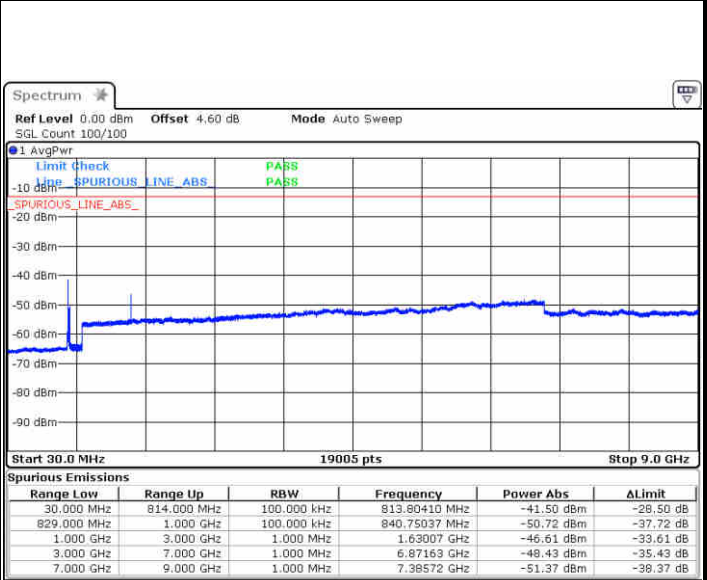
LTE Band 26 / 15MHz

Channel 26765 / QPSK



Date: 17.JAN.2020 19:12:43

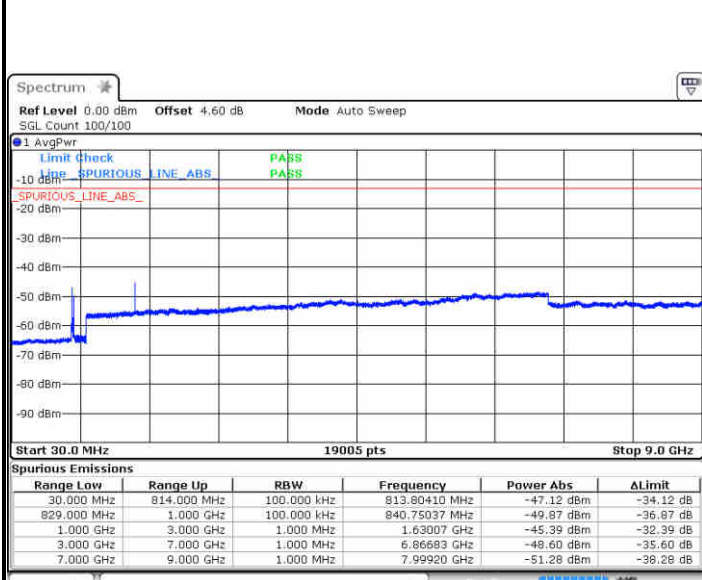
Channel 26765 / 16QAM



Date: 17.JAN.2020 19:13:22

LTE Band 26 / 15MHz

Channel 26765 / 64QAM



Date: 17.JAN.2020 19:14:12



### Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.40 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41

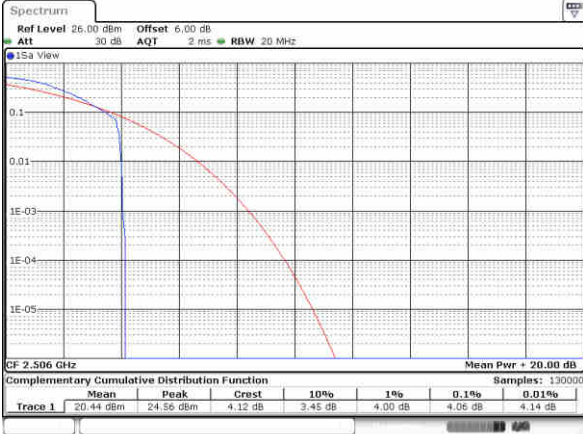
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.06	6.81	6.17	6.99	<b>PASS</b>
Middle CH	3.30	5.22	5.54	6.93	
Highest CH	5.83	4.49	4.64	6.75	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.59	6.84	<b>PASS</b>		
Middle CH	6.43	6.17			
Highest CH	5.10	5.94			



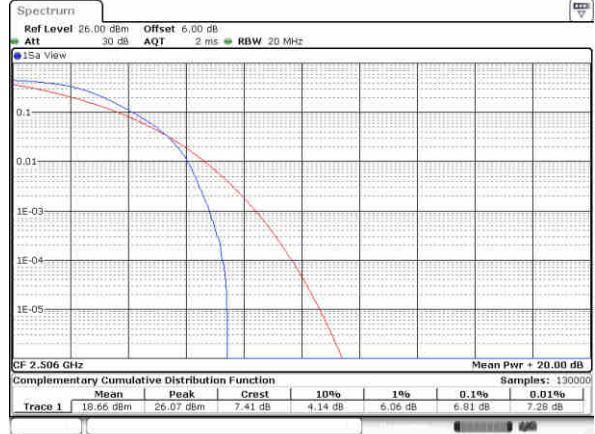
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



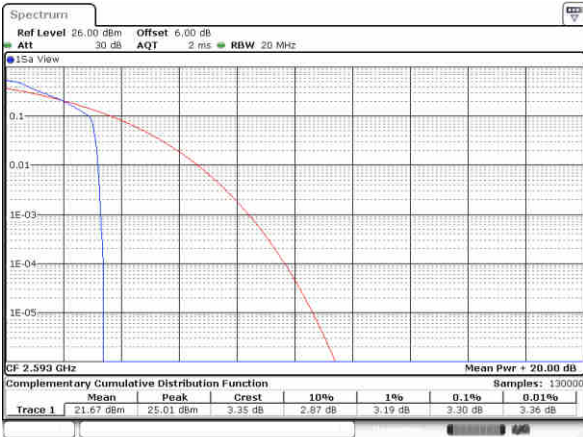
Date: 28 FEB 2020 21:37:52

Lowest Channel / Full RB



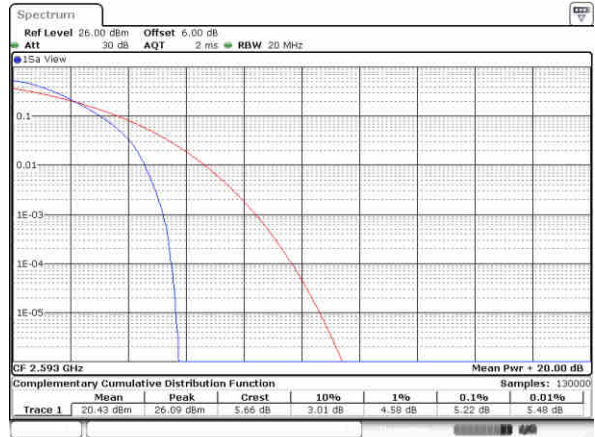
Date: 28 FEB 2020 21:35:38

Middle Channel / 1RB



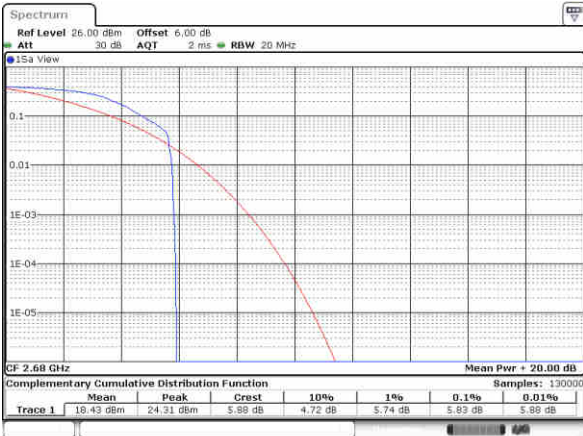
Date: 28 FEB 2020 21:38:49

Middle Channel / Full RB



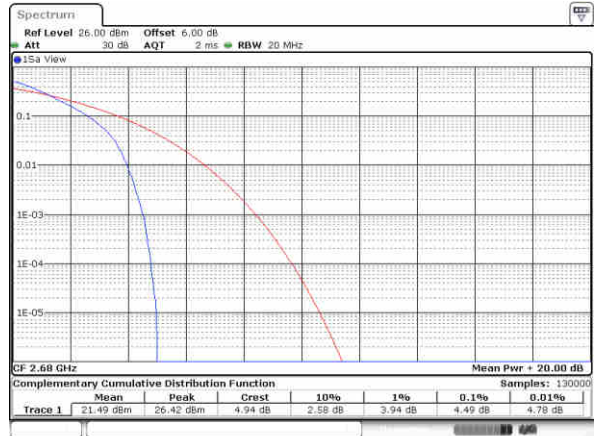
Date: 28 FEB 2020 21:36:21

Highest Channel / 1RB



Date: 28 FEB 2020 21:38:33

Highest Channel / Full RB

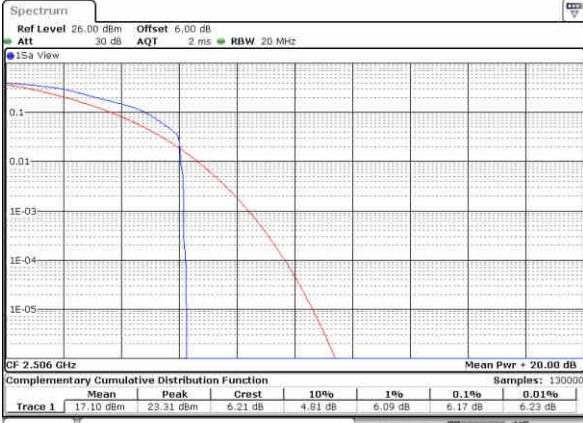


Date: 28 FEB 2020 21:36:58



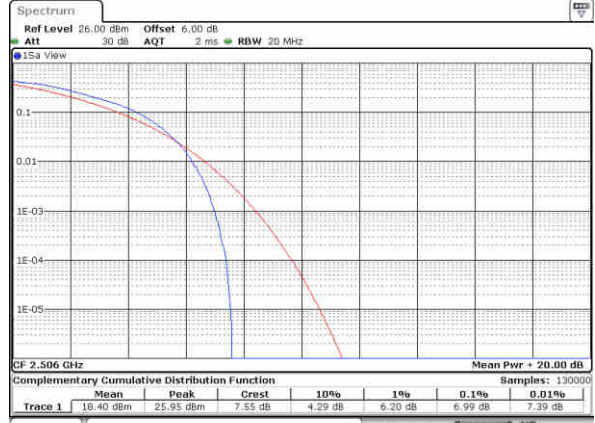
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



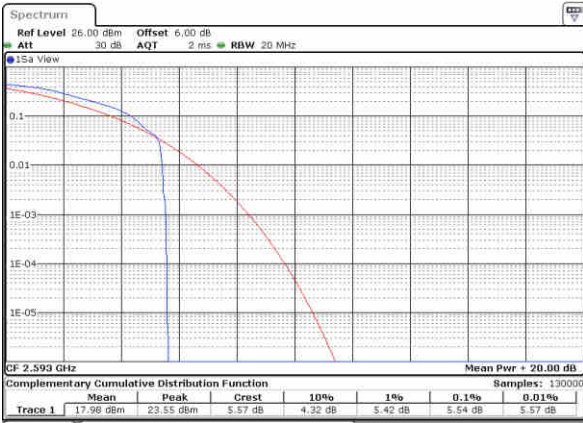
Date: 28 FEB 2020 21:38:02

Lowest Channel / Full RB



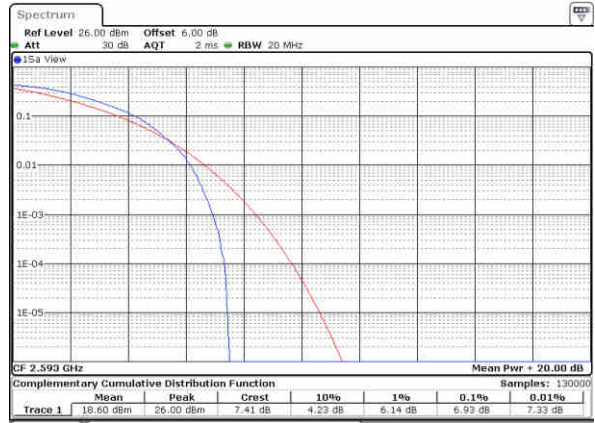
Date: 28 FEB 2020 21:35:57

Middle Channel / 1RB



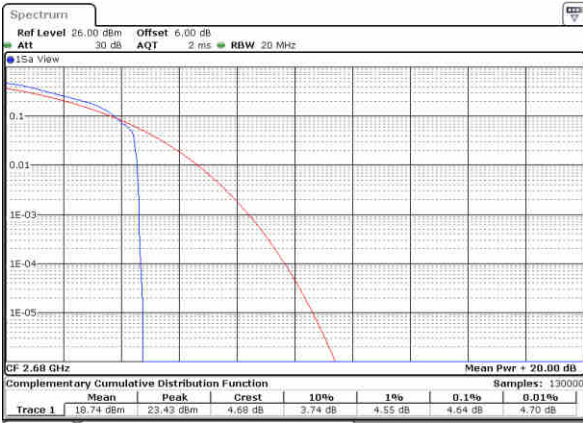
Date: 28 FEB 2020 21:38:58

Middle Channel / Full RB



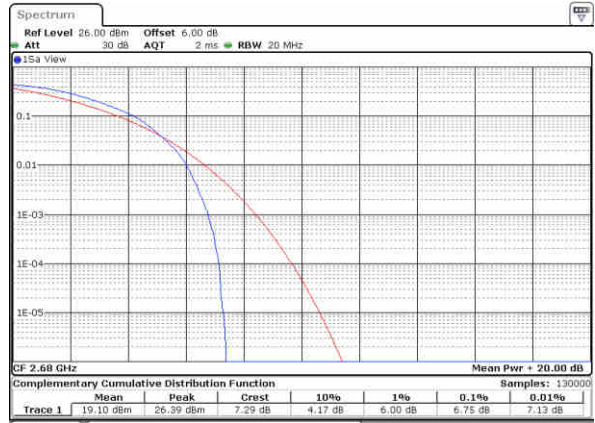
Date: 28 FEB 2020 21:36:34

Highest Channel / 1RB



Date: 28 FEB 2020 21:39:52

Highest Channel / Full RB

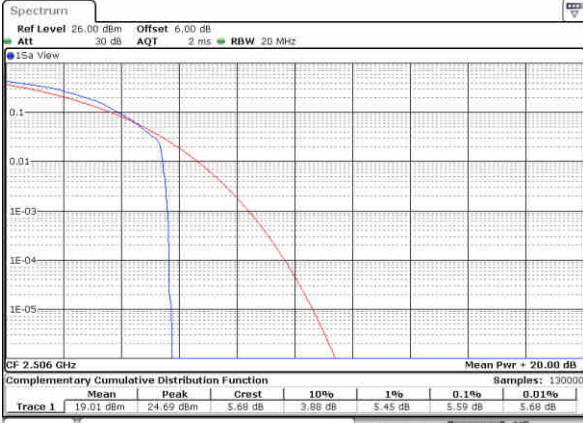


Date: 28 FEB 2020 21:37:22



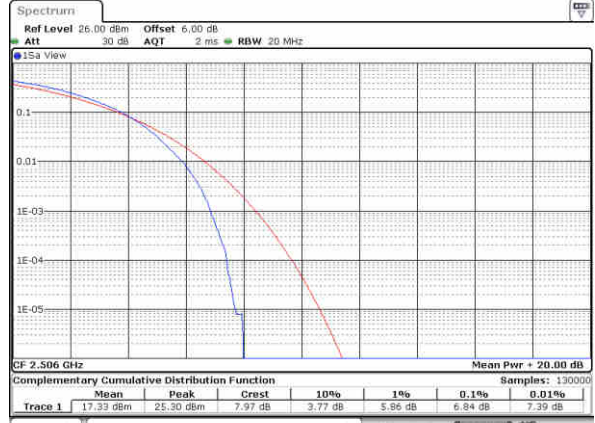
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



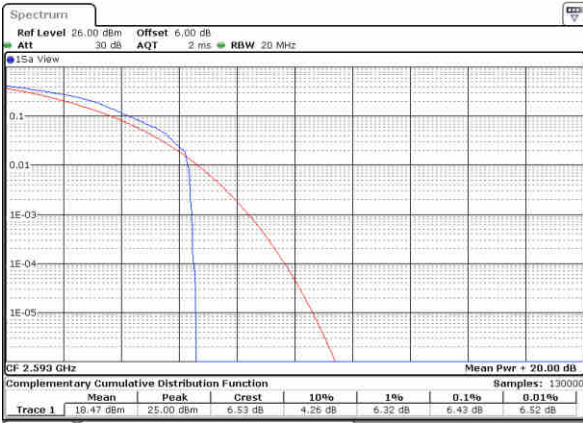
Date: 28 FEB 2020 21:41:10

Lowest Channel / Full RB



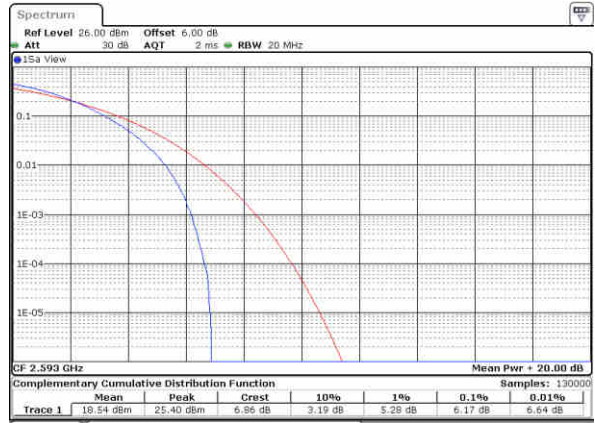
Date: 28 FEB 2020 21:36:11

Middle Channel / 1RB



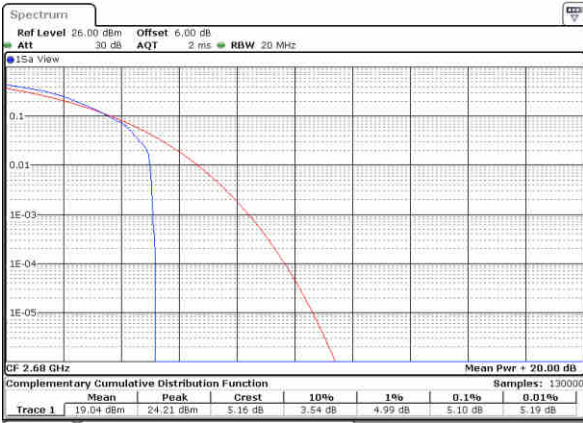
Date: 28 FEB 2020 21:39:16

Middle Channel / Full RB



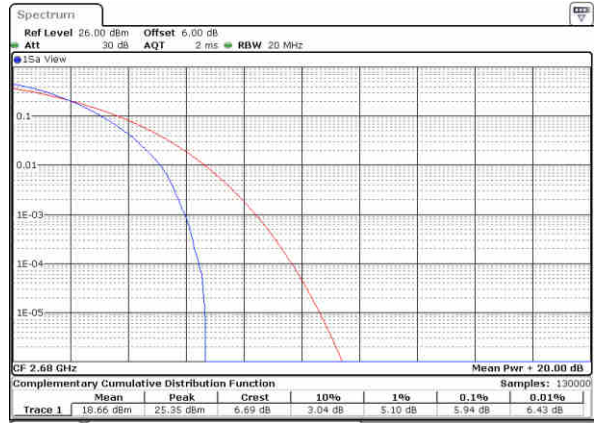
Date: 28 FEB 2020 21:36:44

Highest Channel / 1RB



Date: 28 FEB 2020 21:40:09

Highest Channel / Full RB



Date: 28 FEB 2020 21:37:43



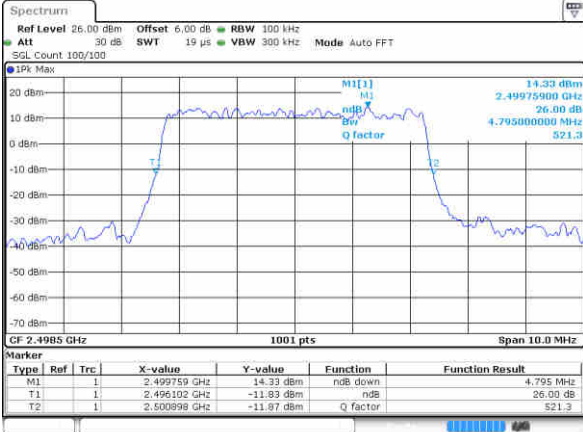
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.80	4.83	9.77	9.77	14.36	14.39	20.18	20.18	4.95	9.63	14.21	20.14
Middle CH	4.76	4.88	9.71	9.61	14.39	14.42	20.18	20.10	4.73	9.61	14.18	20.14
Highest CH	4.92	4.81	9.63	9.75	14.39	14.30	20.10	20.18	4.95	9.67	14.27	20.26



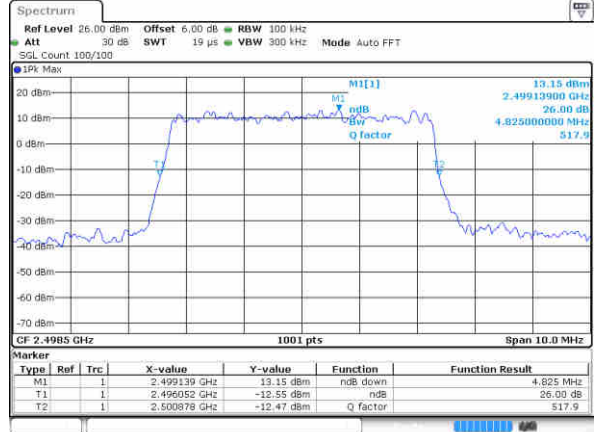
LTE Band 41

Lowest Channel / 5MHz / QPSK



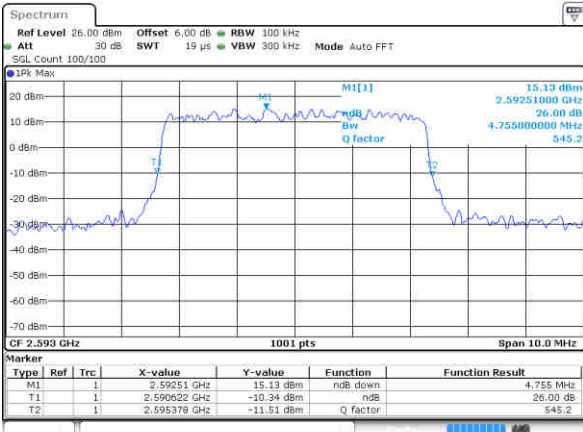
Date: 28 FEB 2020 21:17:15

Lowest Channel / 5MHz / 16QAM



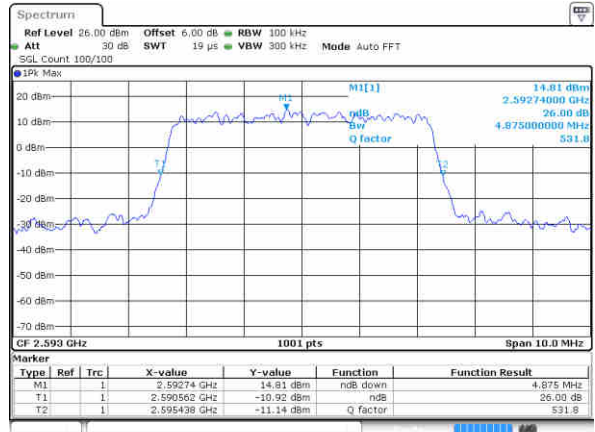
Date: 28 FEB 2020 21:17:35

Middle Channel / 5MHz / QPSK



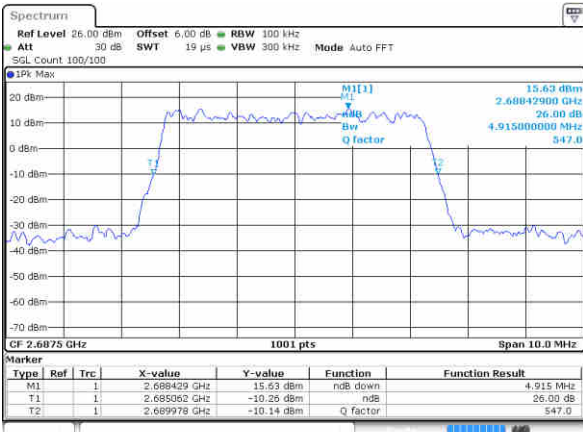
Date: 28 FEB 2020 21:18:15

Middle Channel / 5MHz / 16QAM



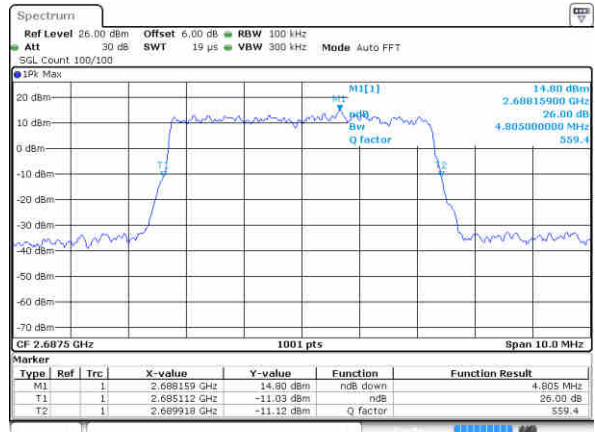
Date: 28 FEB 2020 21:18:35

Highest Channel / 5MHz / QPSK



Date: 28 FEB 2020 21:19:15

Highest Channel / 5MHz / 16QAM

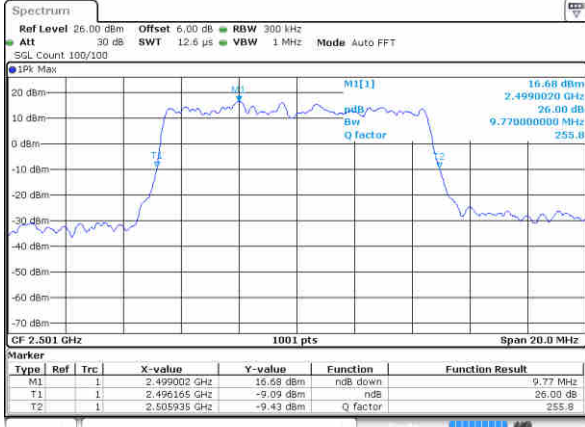


Date: 28 FEB 2020 21:19:35



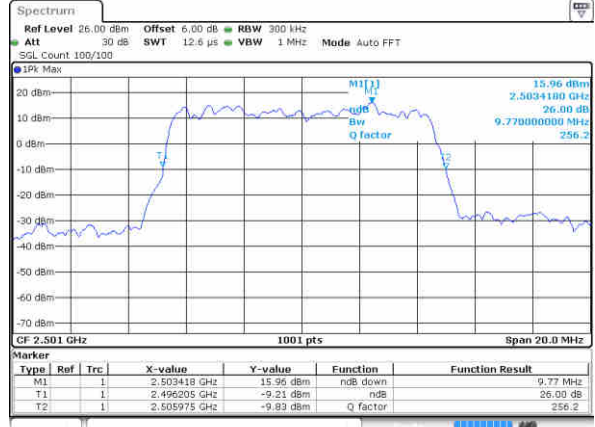
LTE Band 41

Lowest Channel / 10MHz / QPSK



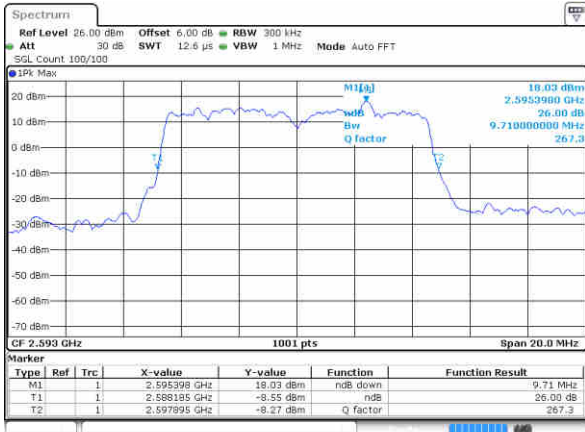
Date: 28 FEB 2020 21:20:15

Lowest Channel / 10MHz / 16QAM



Date: 28 FEB 2020 21:20:35

Middle Channel / 10MHz / QPSK



Date: 28 FEB 2020 21:21:16

Middle Channel / 10MHz / 16QAM



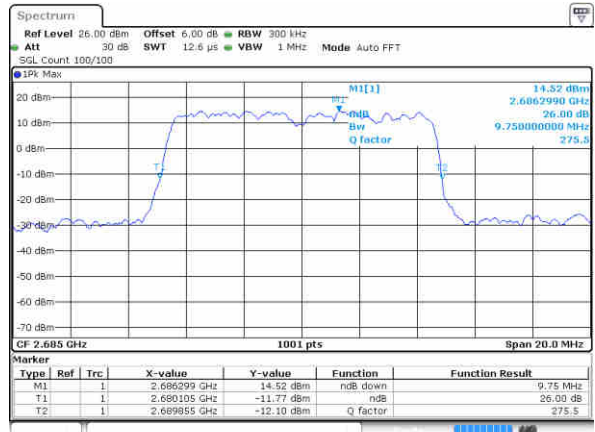
Date: 28 FEB 2020 21:21:36

Highest Channel / 10MHz / QPSK



Date: 28 FEB 2020 21:22:15

Highest Channel / 10MHz / 16QAM

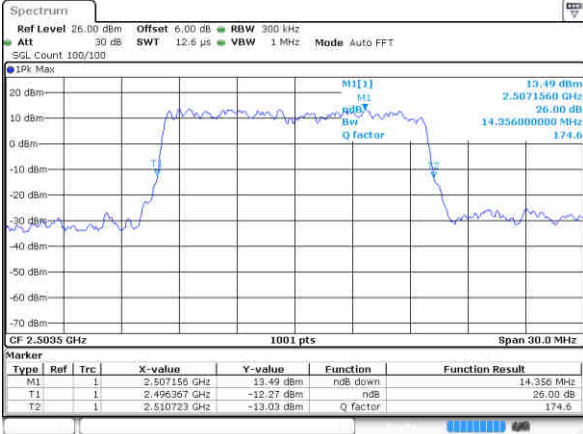


Date: 28 FEB 2020 21:22:36



LTE Band 41

Lowest Channel / 15MHz / QPSK



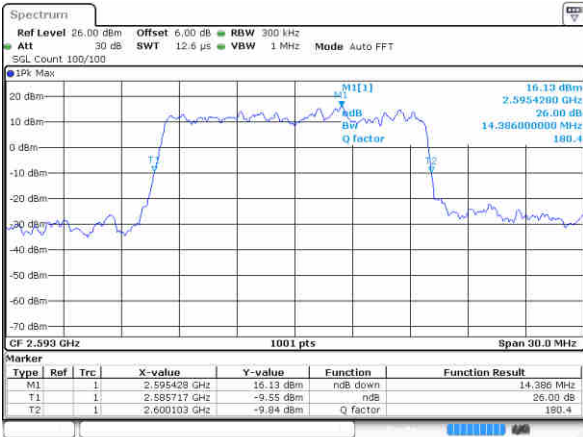
Date: 28 FEB 2020 21 23 19

Lowest Channel / 15MHz / 16QAM



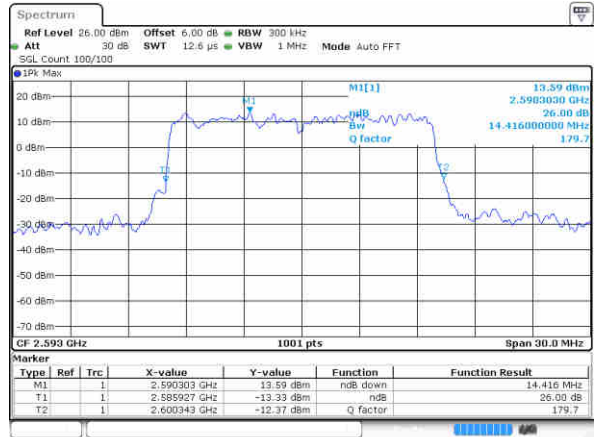
Date: 28 FEB 2020 21 23 36

Middle Channel / 15MHz / QPSK



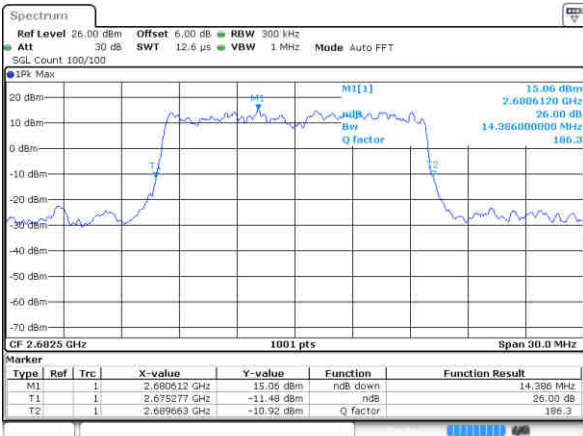
Date: 28 FEB 2020 21 24 16

Middle Channel / 15MHz / 16QAM



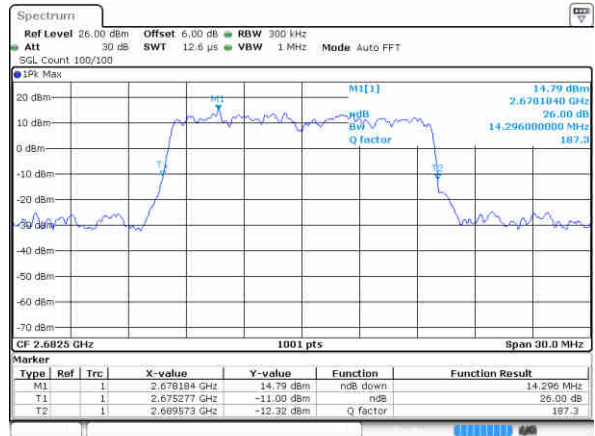
Date: 28 FEB 2020 21 24 36

Highest Channel / 15MHz / QPSK



Date: 28 FEB 2020 21 25 19

Highest Channel / 15MHz / 16QAM

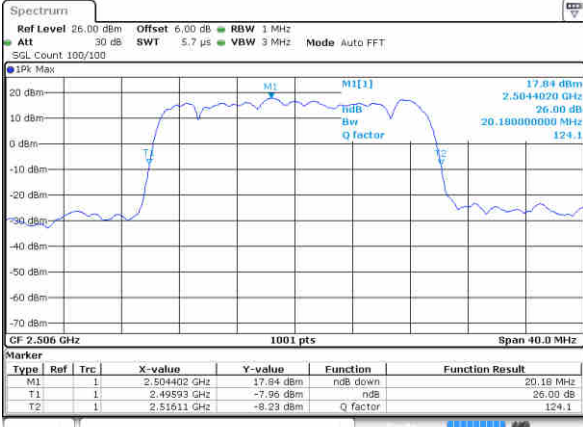


Date: 28 FEB 2020 21 25 35



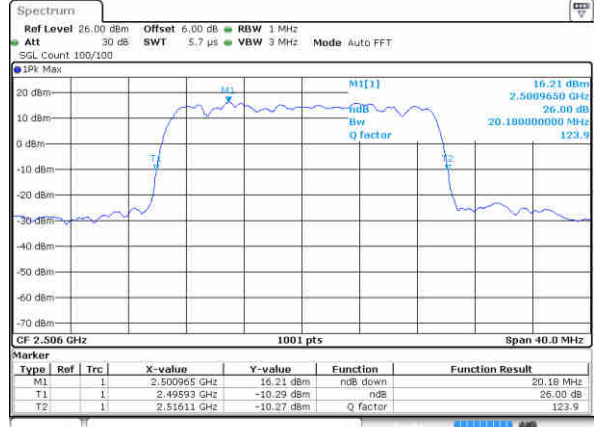
LTE Band 41

Lowest Channel / 20MHz / QPSK



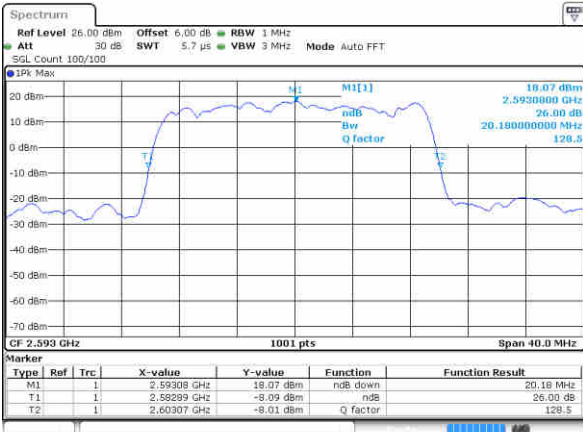
Date: 28 FEB 2020 21:28:15

Lowest Channel / 20MHz / 16QAM



Date: 28 FEB 2020 21:28:35

Middle Channel / 20MHz / QPSK



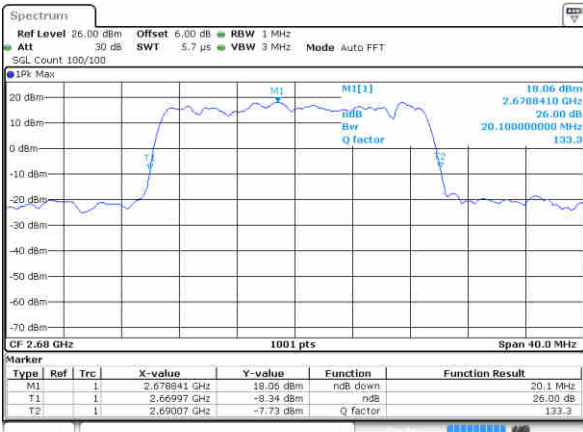
Date: 28 FEB 2020 21:27:15

Middle Channel / 20MHz / 16QAM



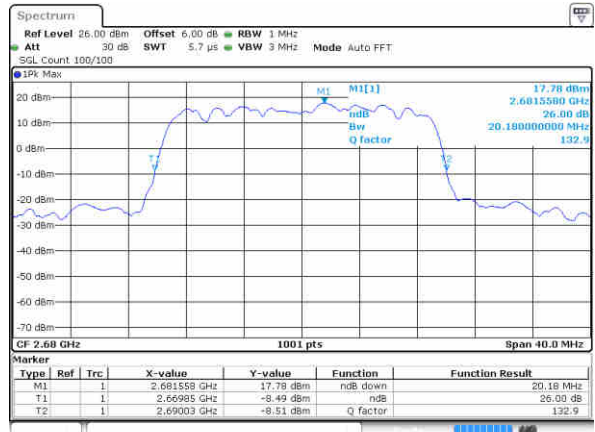
Date: 28 FEB 2020 21:27:35

Highest Channel / 20MHz / QPSK



Date: 28 FEB 2020 21:28:15

Highest Channel / 20MHz / 16QAM

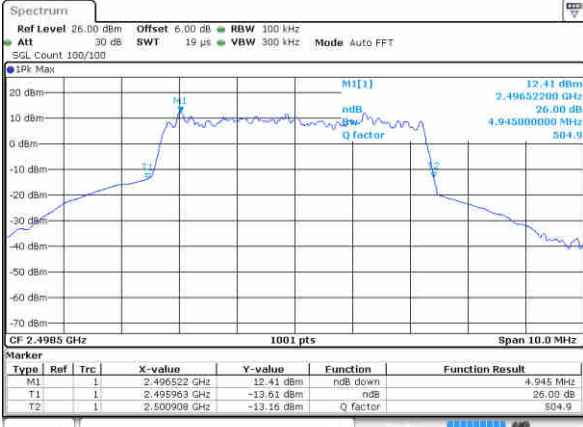


Date: 28 FEB 2020 21:28:35



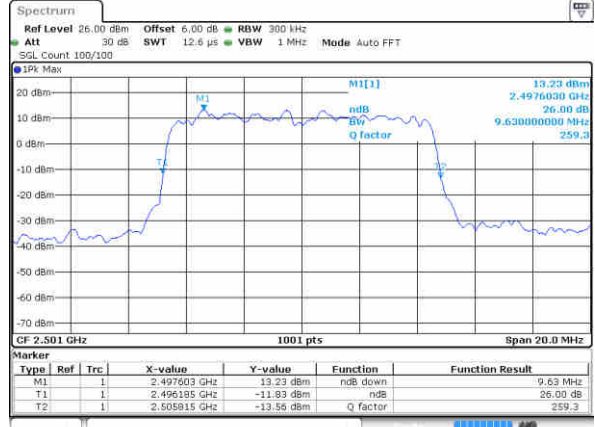
LTE Band 41

Lowest Channel / 5MHz / QPSK



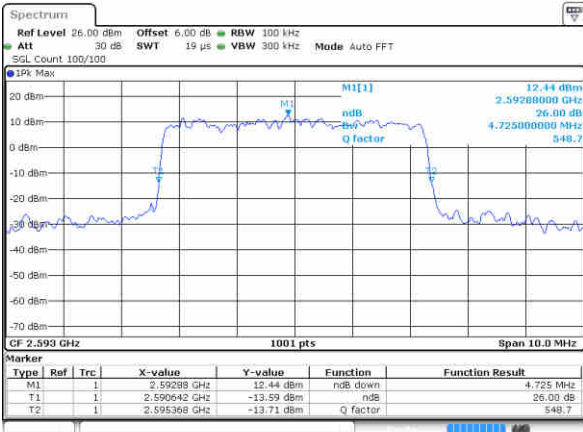
Date: 28 FEB 2020 21:17:55

Lowest Channel / 10MHz / 16QAM



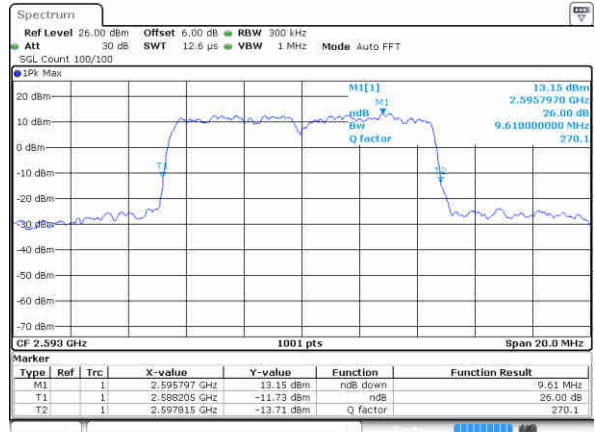
Date: 28 FEB 2020 21:20:56

Middle Channel / 5MHz / QPSK



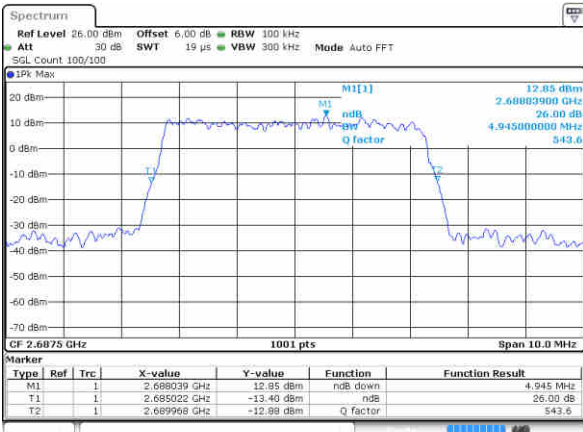
Date: 28 FEB 2020 21:18:55

Middle Channel / 10MHz / 16QAM



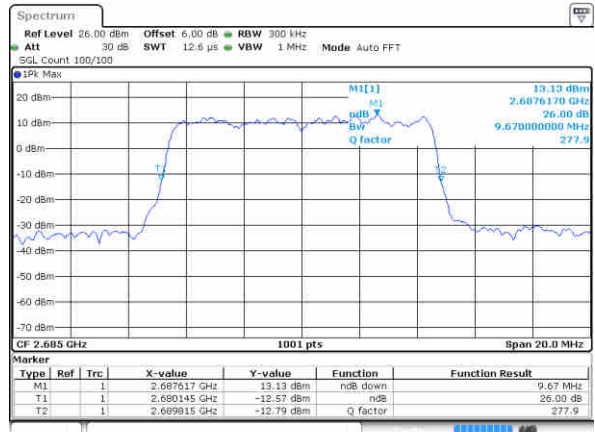
Date: 28 FEB 2020 21:21:56

Highest Channel / 5MHz / QPSK



Date: 28 FEB 2020 21:19:55

Highest Channel / 10MHz / 16QAM

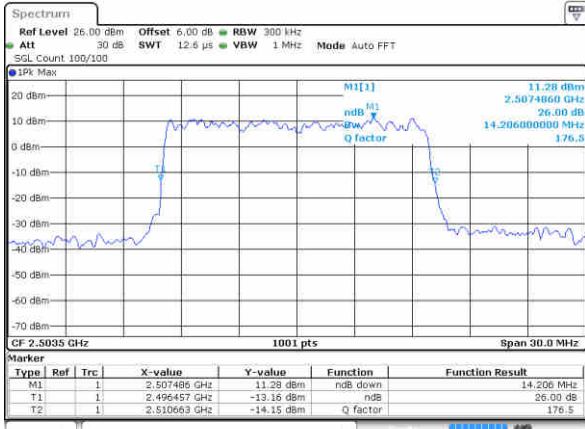


Date: 28 FEB 2020 21:22:56



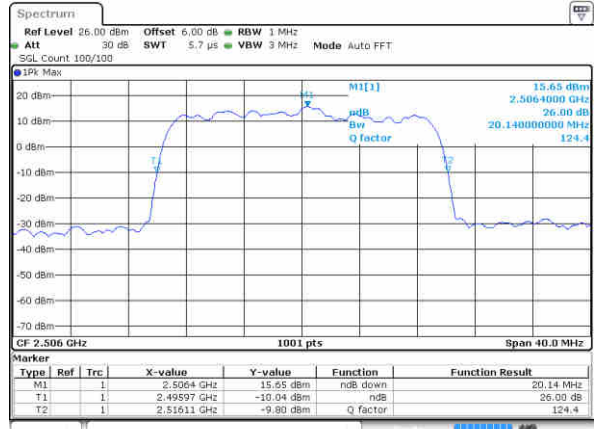
LTE Band 41

Lowest Channel / 15MHz / QPSK



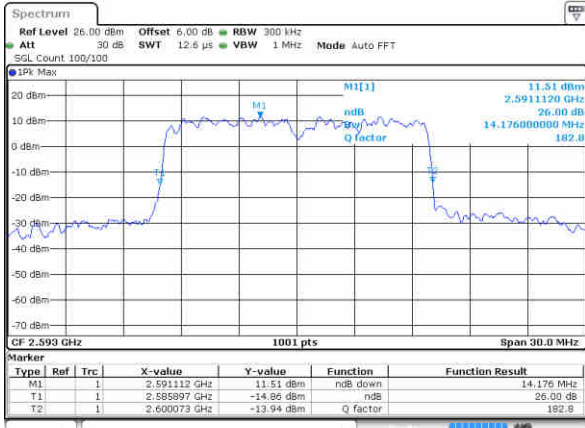
Date: 28 FEB 2020 21:23:56

Lowest Channel / 20MHz / 16QAM



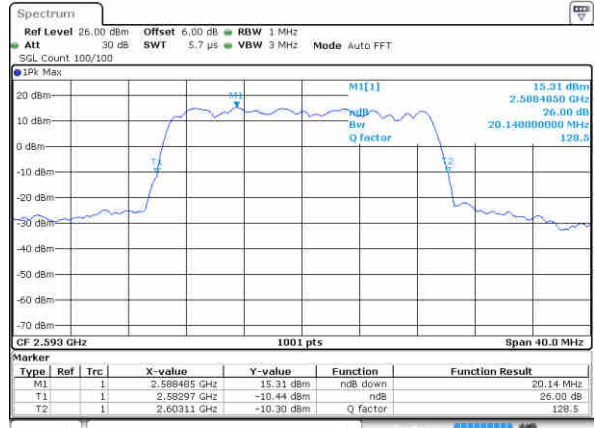
Date: 28 FEB 2020 21:26:55

Middle Channel / 15MHz / QPSK



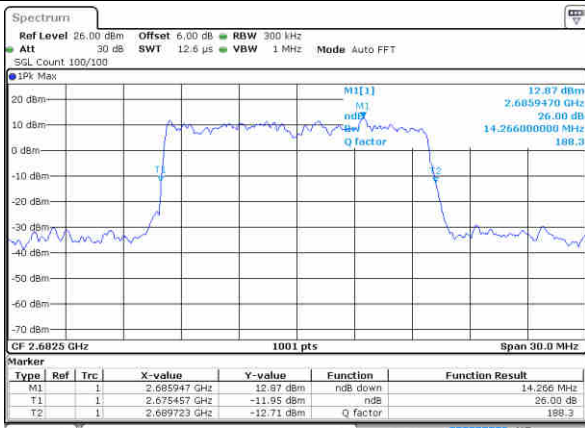
Date: 28 FEB 2020 21:24:56

Middle Channel / 20MHz / 16QAM



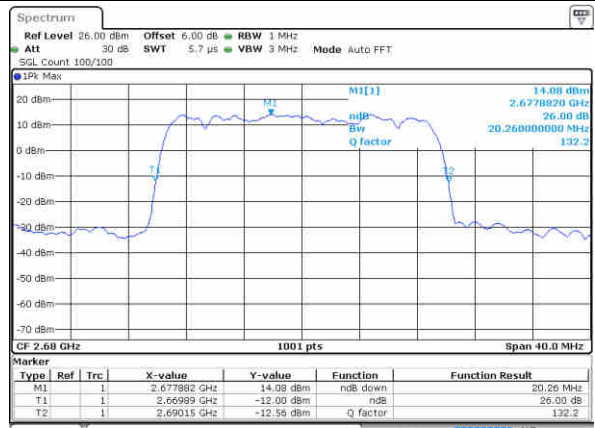
Date: 28 FEB 2020 21:27:55

Highest Channel / 15MHz / QPSK



Date: 28 FEB 2020 21:25:55

Highest Channel / 20MHz / 16QAM



Date: 28 FEB 2020 21:28:55



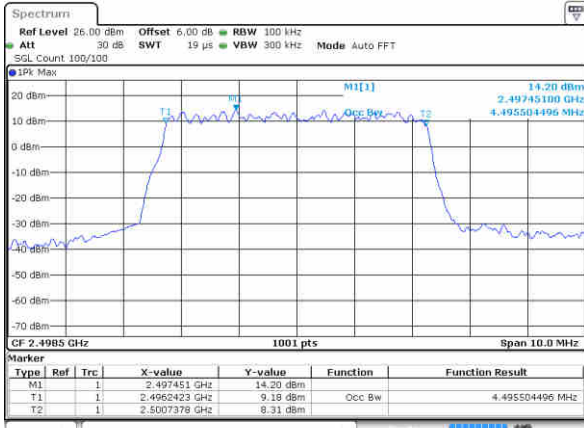
### Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.50	4.49	9.05	8.97	13.37	13.40	18.46	18.38	4.47	9.01	13.49	18.34
Middle CH	4.50	4.49	9.03	8.97	13.40	13.46	18.26	18.30	4.52	9.05	13.43	18.46
Highest CH	4.53	4.50	8.93	9.07	13.46	13.46	18.34	18.34	4.52	9.03	13.46	18.34



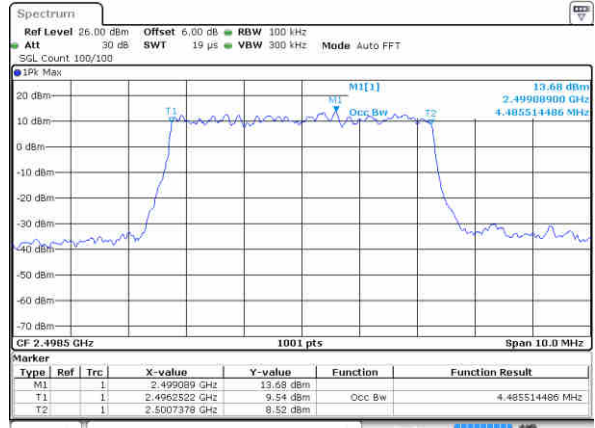
LTE Band 41

Lowest Channel / 5MHz / QPSK



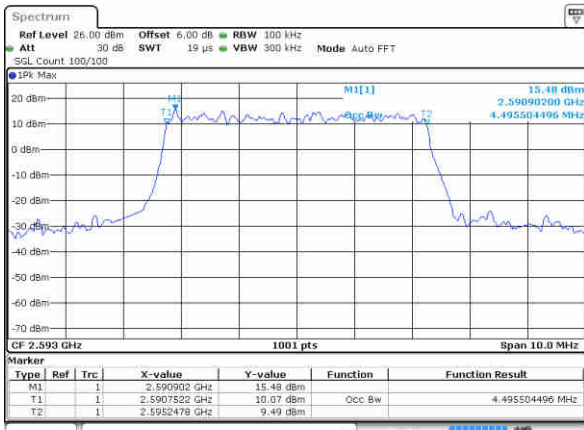
Date: 28 FEB 2020 21:17:05

Lowest Channel / 5MHz / 16QAM



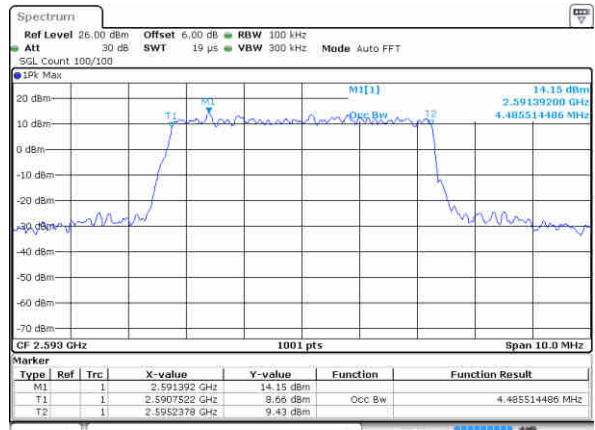
Date: 28 FEB 2020 21:17:25

Middle Channel / 5MHz / QPSK



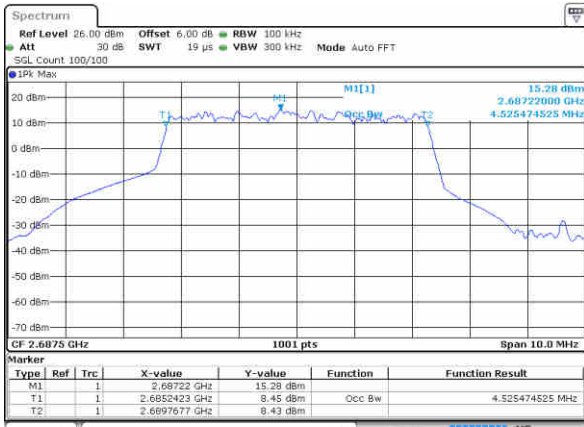
Date: 28 FEB 2020 21:18:05

Middle Channel / 5MHz / 16QAM



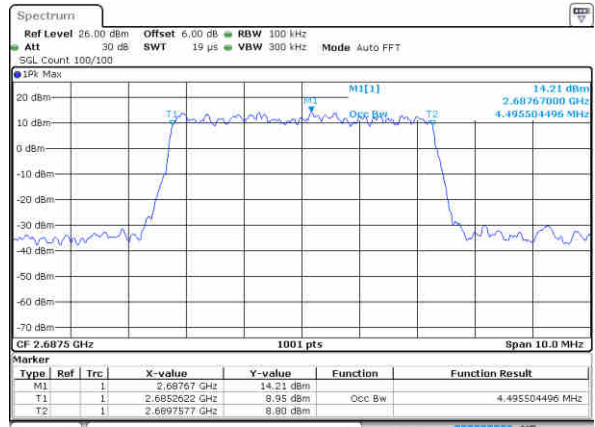
Date: 28 FEB 2020 21:18:25

Highest Channel / 5MHz / QPSK



Date: 28 FEB 2020 21:19:05

Highest Channel / 5MHz / 16QAM

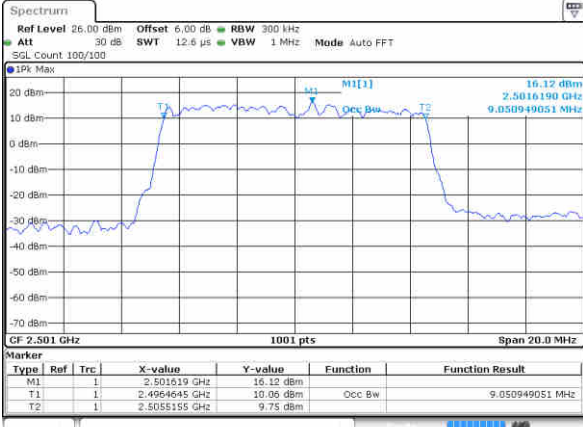


Date: 28 FEB 2020 21:19:25



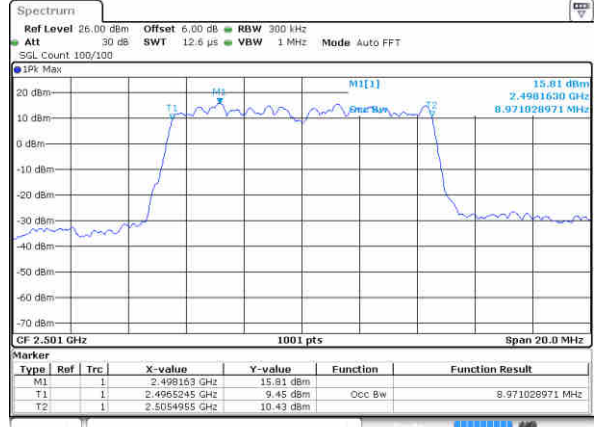
LTE Band 41

Lowest Channel / 10MHz / QPSK



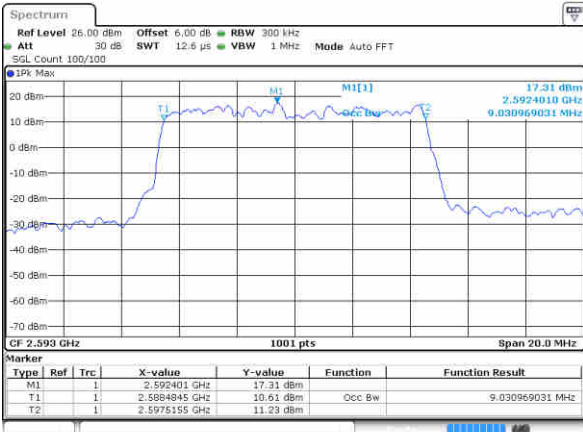
Date: 28 FEB 2020 21 20 09

Lowest Channel / 10MHz / 16QAM



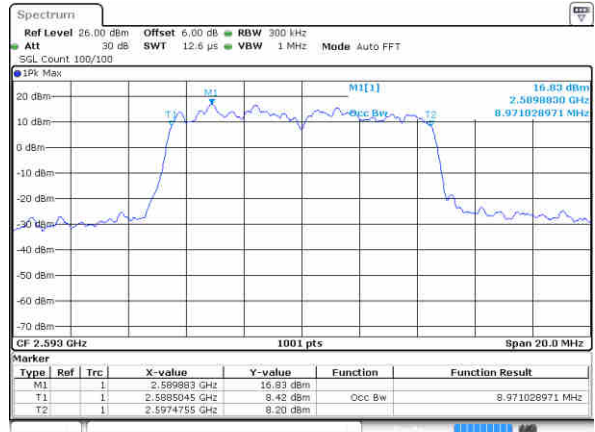
Date: 28 FEB 2020 21 20 25

Middle Channel / 10MHz / QPSK



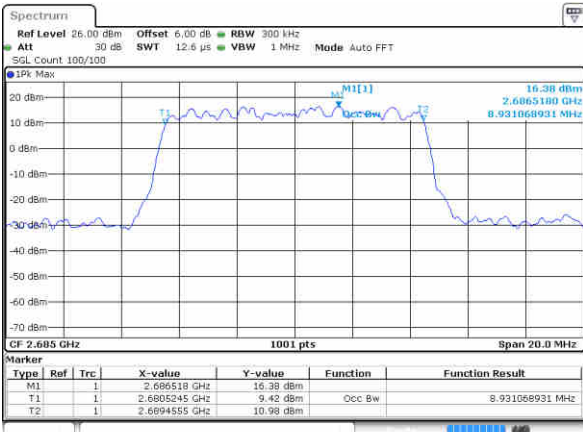
Date: 28 FEB 2020 21 21 06

Middle Channel / 10MHz / 16QAM



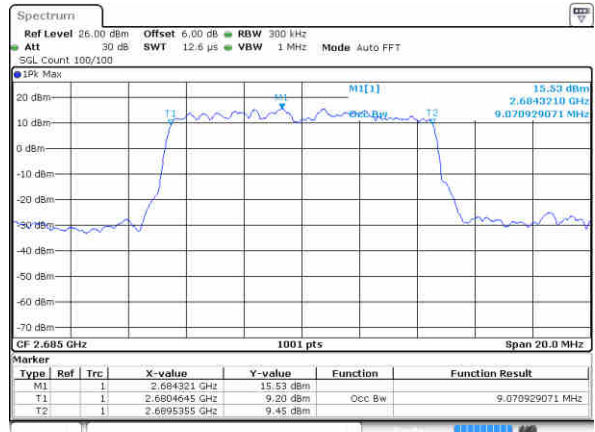
Date: 28 FEB 2020 21 21 26

Highest Channel / 10MHz / QPSK



Date: 28 FEB 2020 21 22 06

Highest Channel / 10MHz / 16QAM



Date: 28 FEB 2020 21 22 26