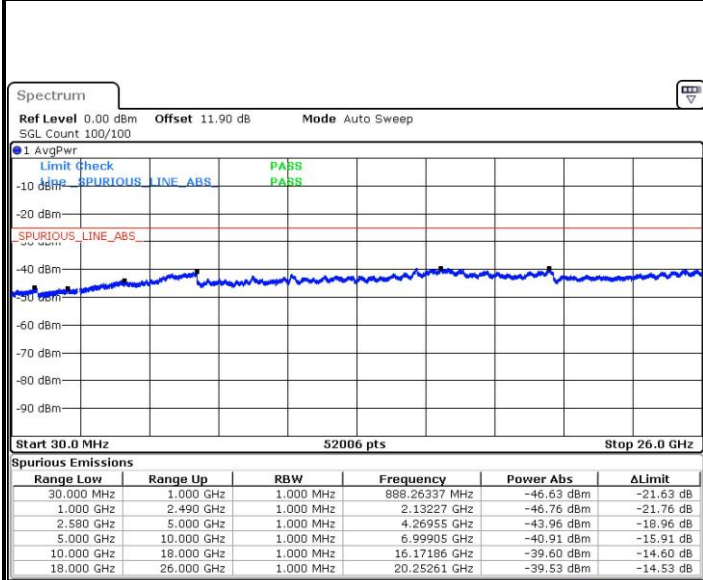




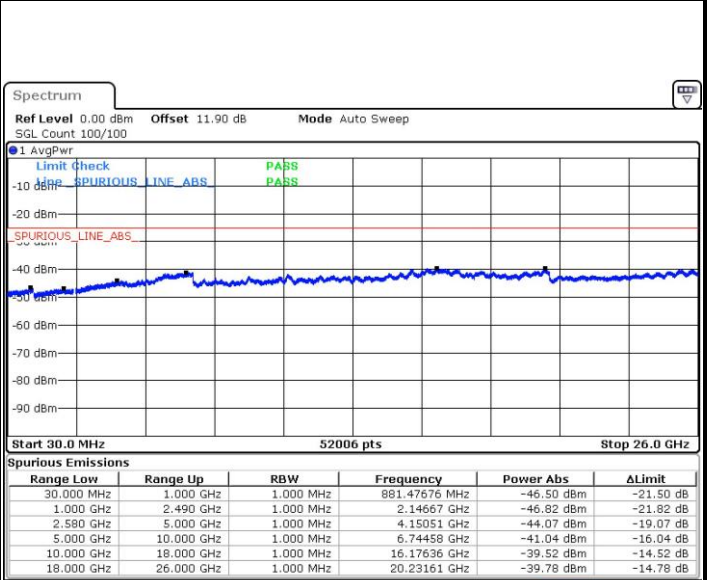
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 31.MAR.2018 08:40:14

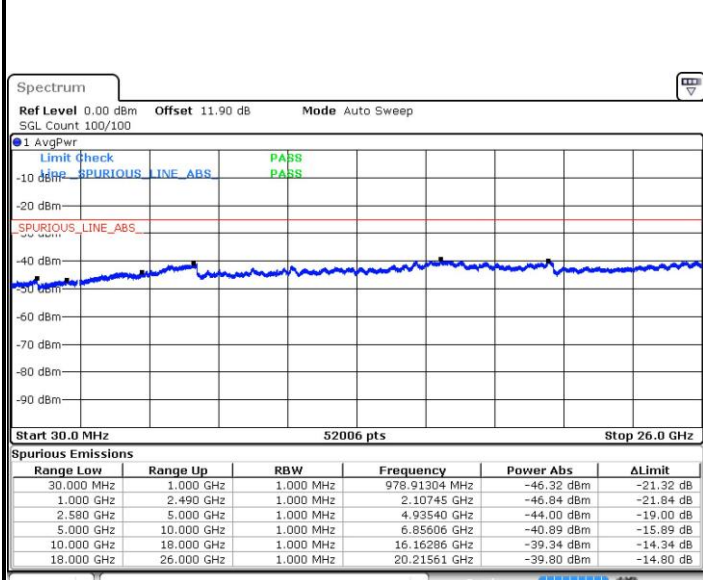
Highest Channel / 16QAM



Date: 31.MAR.2018 08:41:08

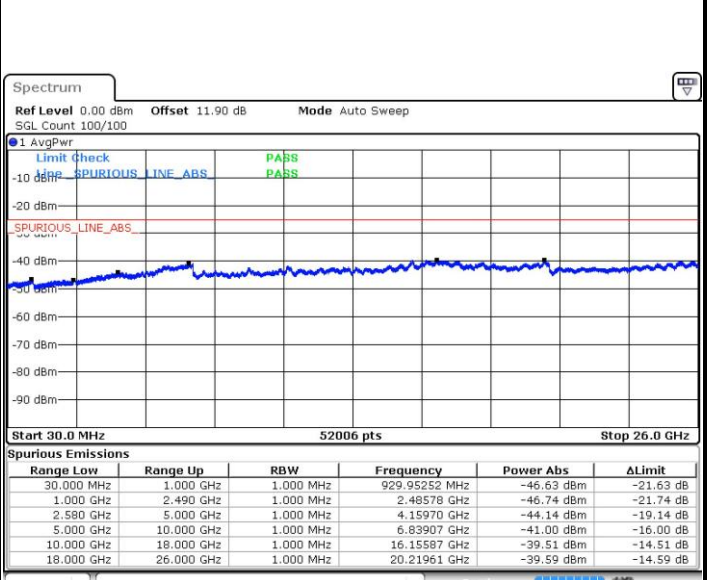
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 31.MAR.2018 08:55:32

Lowest Channel / 16QAM



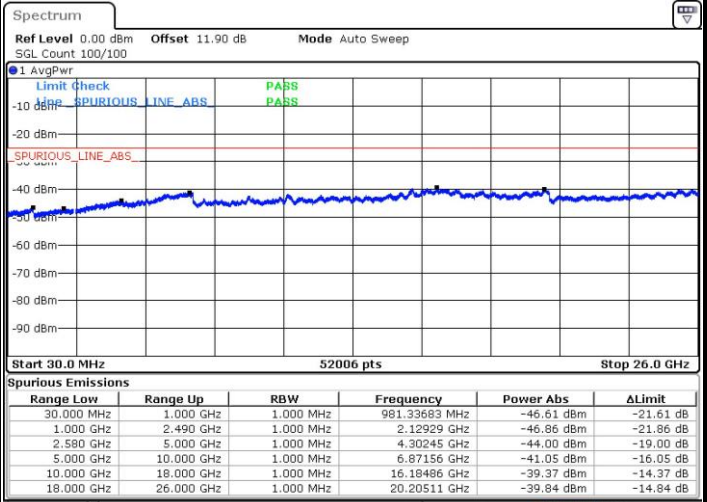
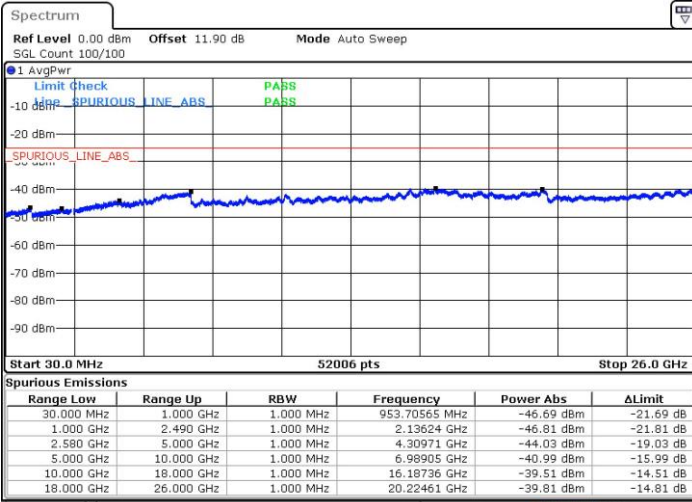
Date: 31.MAR.2018 08:56:25



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

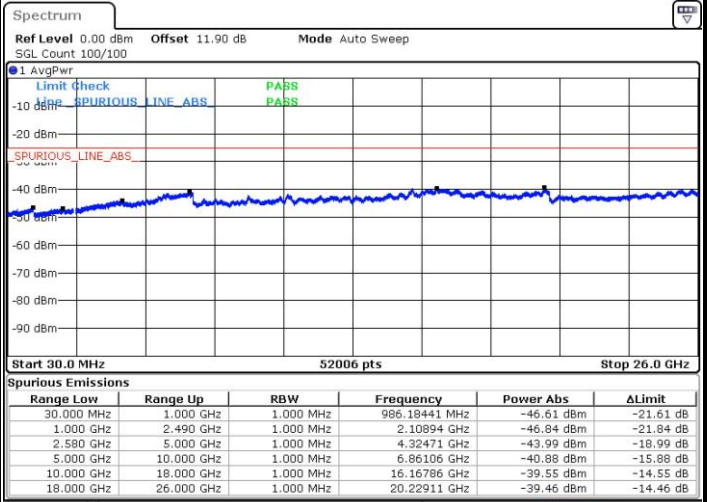
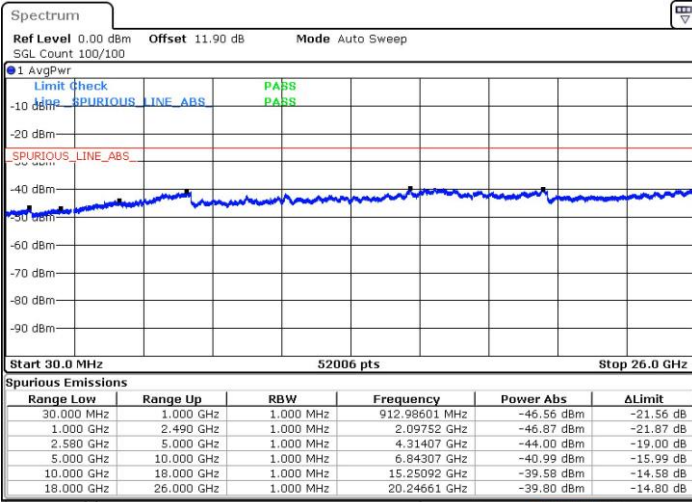


Date: 31.MAR.2018 08:58:00

Date: 31.MAR.2018 08:58:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.MAR.2018 09:05:05

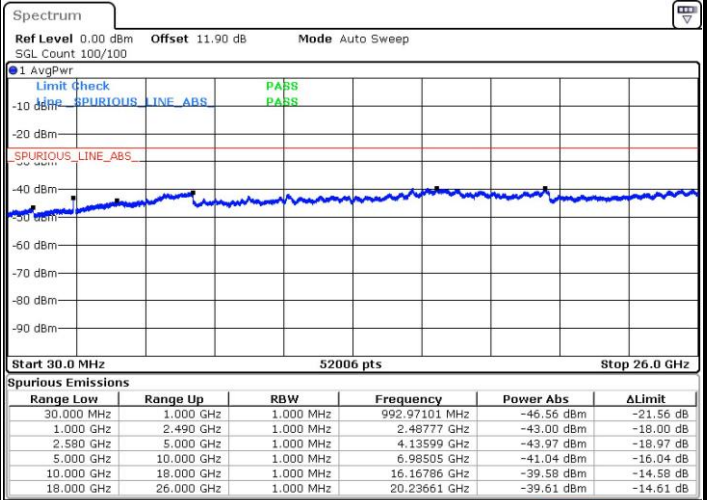
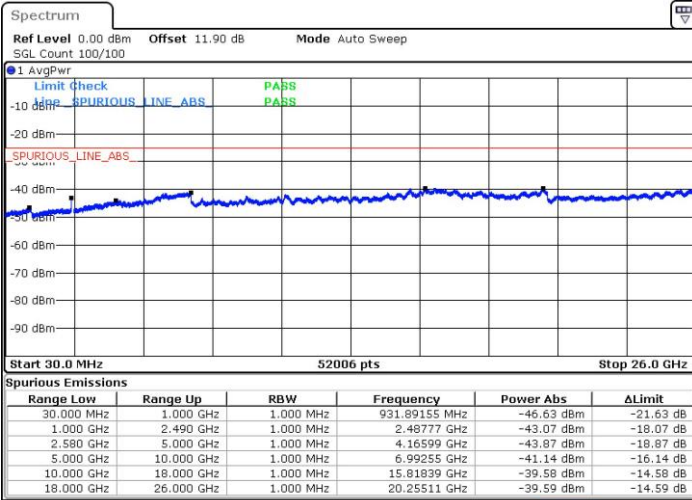
Date: 31.MAR.2018 09:05:58



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

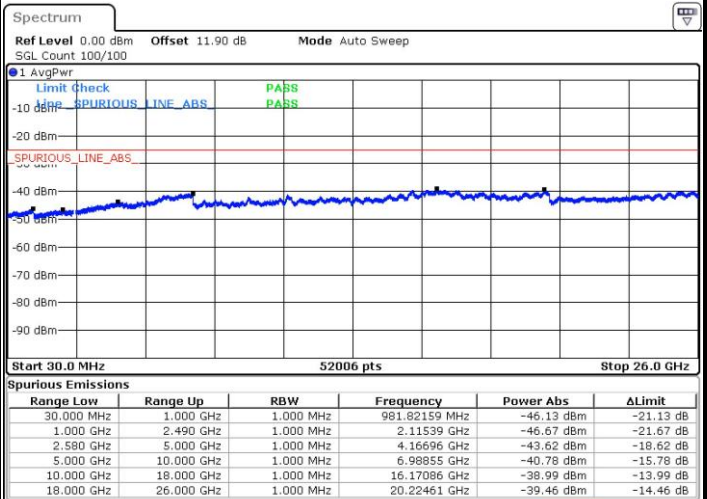
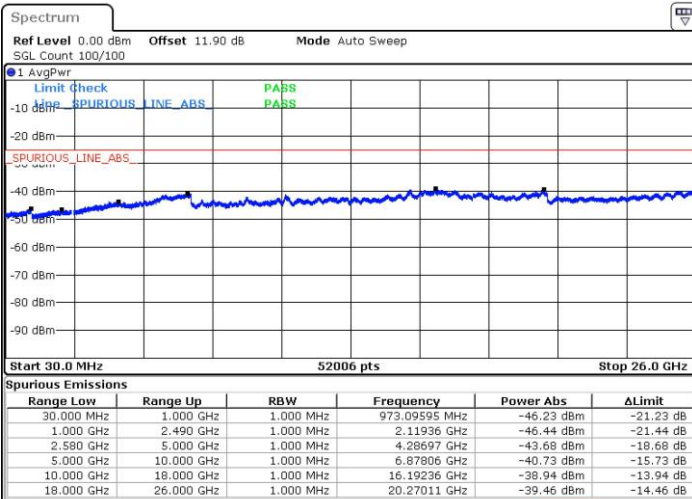


Date: 31.MAR.2018 09:20:24

Date: 31.MAR.2018 09:21:18

Middle Channel / QPSK

Middle Channel / 16QAM



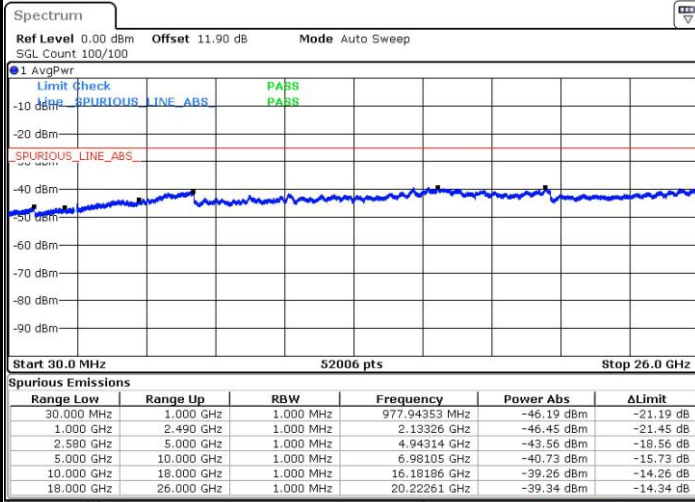
Date: 2.APR.2018 21:42:19

Date: 2.APR.2018 21:43:13



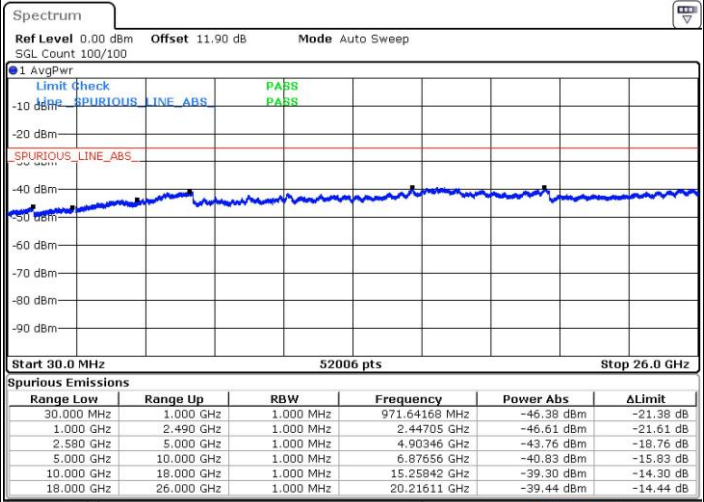
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 2 APR 2018 21:49:20

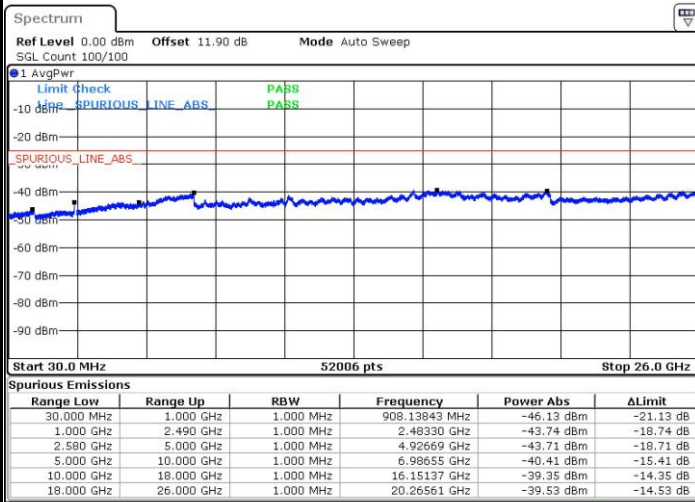
Highest Channel / 16QAM



Date: 2 APR 2018 21:50:14

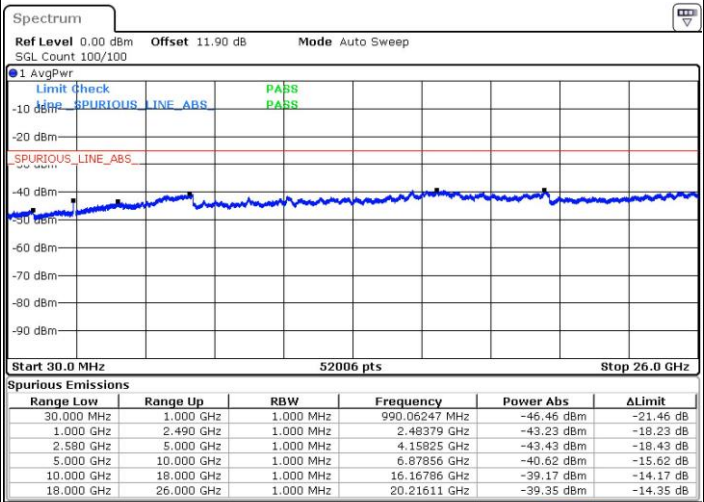
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 2 APR 2018 22:04:37

Lowest Channel / 16QAM



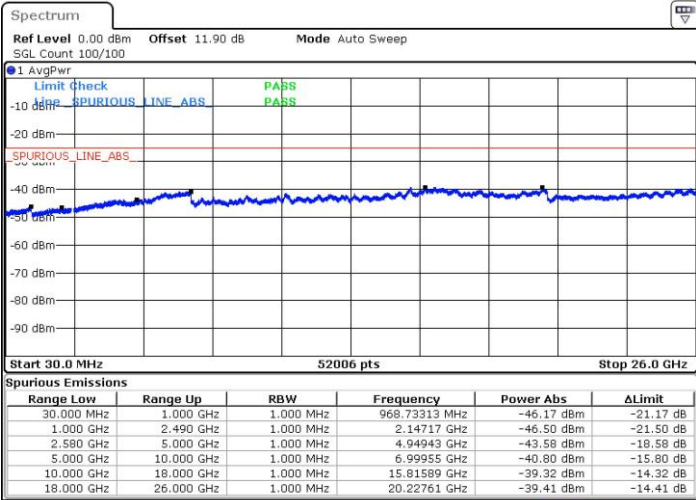
Date: 2 APR 2018 22:05:31



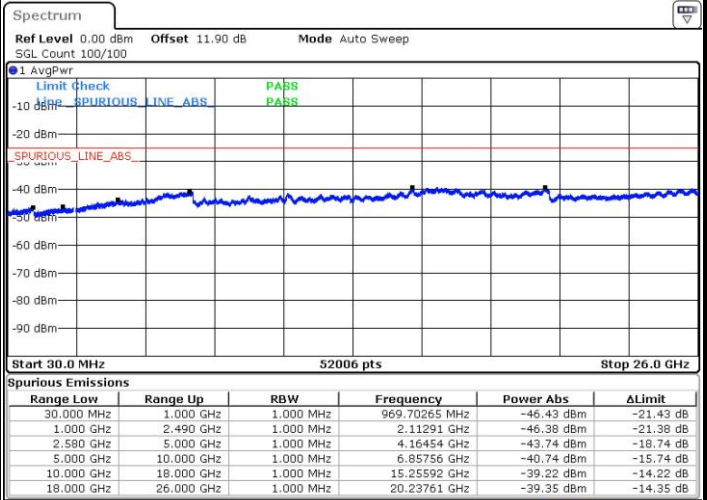
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



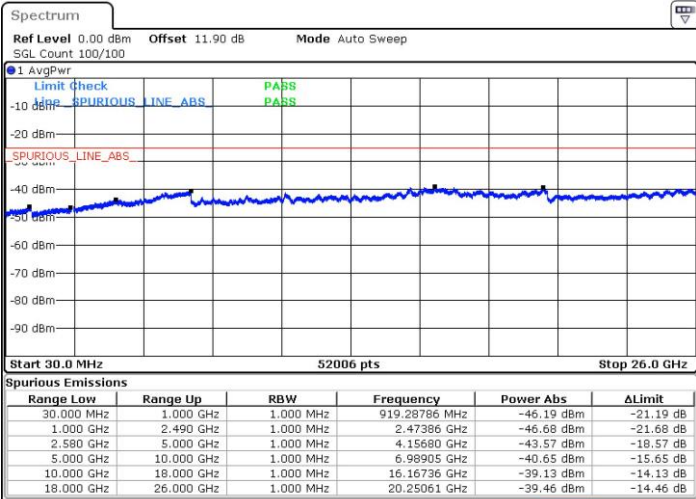
Date: 2 APR 2018 22:07:05



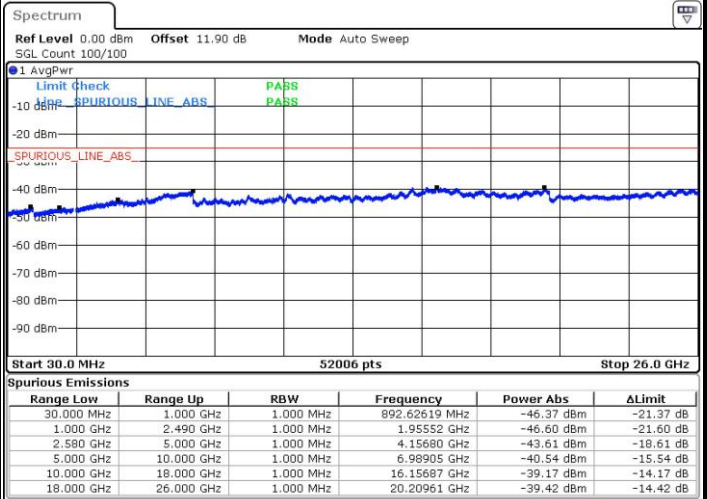
Date: 2 APR 2018 22:07:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 APR 2018 22:14:07



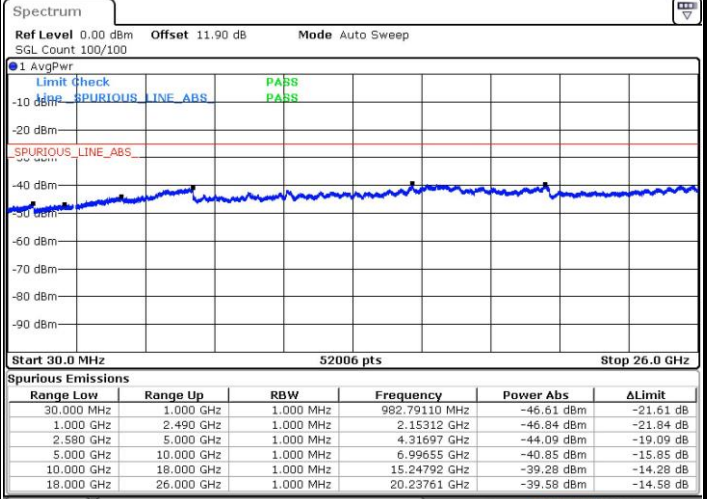
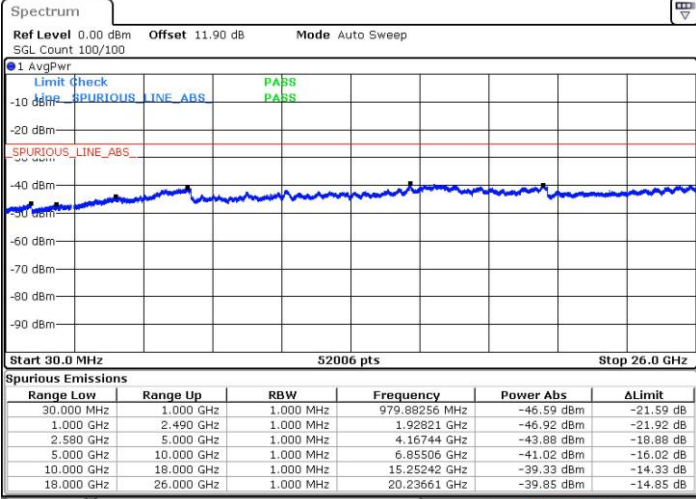
Date: 2 APR 2018 22:15:01



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

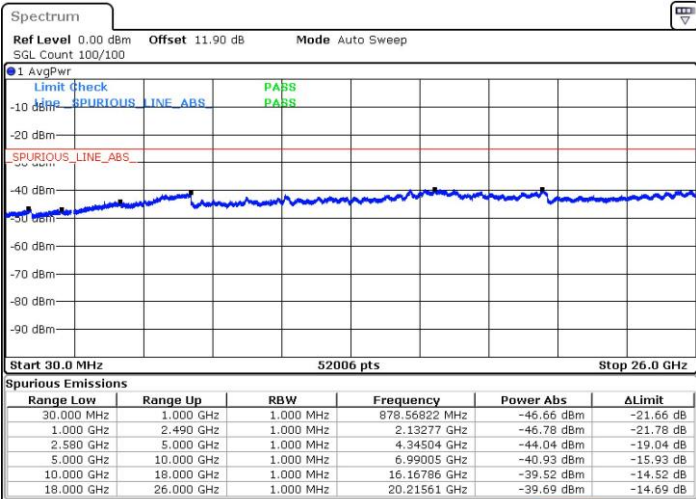
Middle Channel / 64QAM



Date: 31.MAR.2018 08:44:39

Date: 31.MAR.2018 08:45:53

Highest Channel / 64QAM



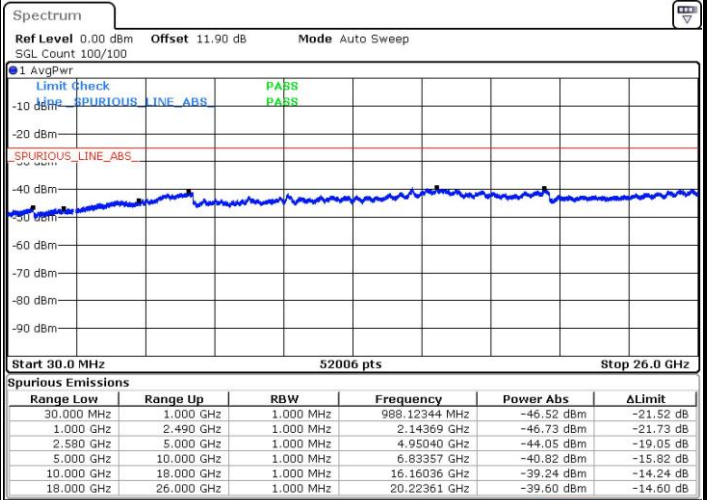
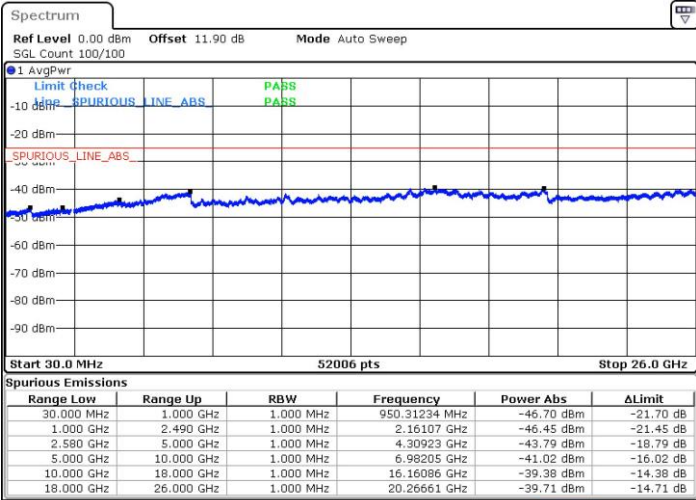
Date: 31.MAR.2018 08:49:24



LTE Band 7 / 10MHz

Lowest Channel / 64QAM

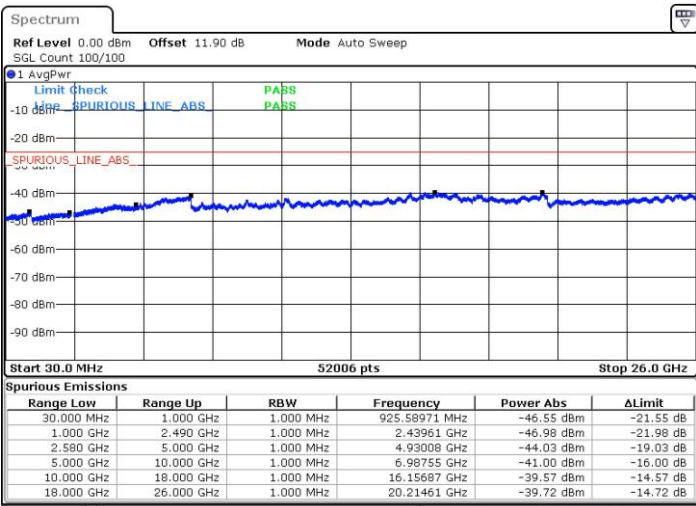
Middle Channel / 64QAM



Date: 31.MAR.2018 09:09:29

Date: 31.MAR.2018 09:10:43

Highest Channel / 64QAM



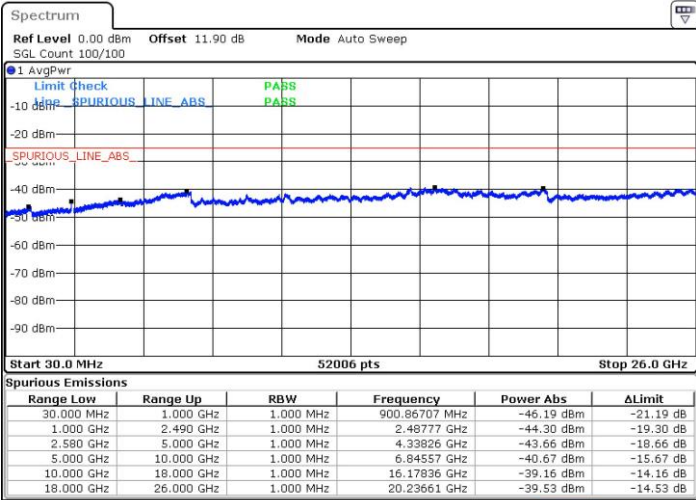
Date: 31.MAR.2018 09:14:15



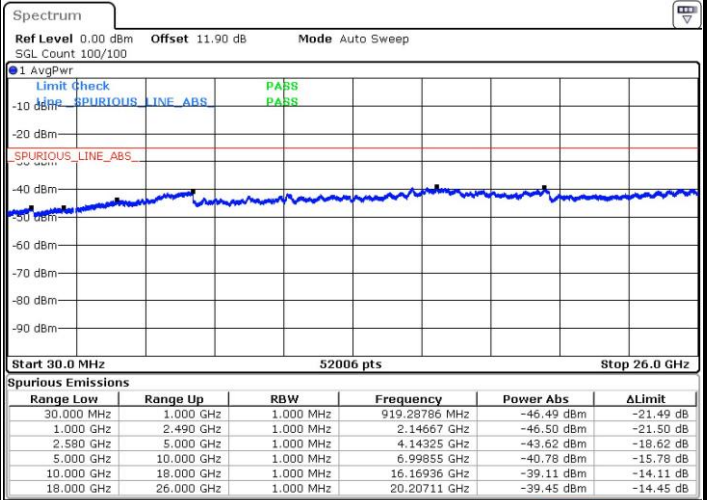
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

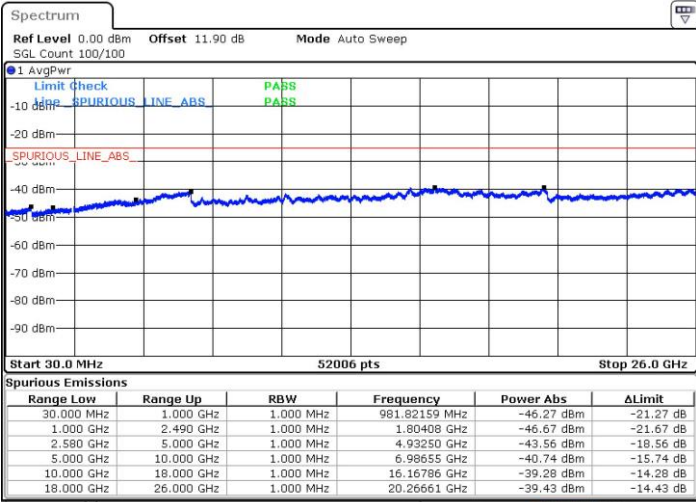


Date: 2 APR 2018 21:53:45



Date: 2 APR 2018 21:54:59

Highest Channel / 64QAM



Date: 2 APR 2018 21:58:30

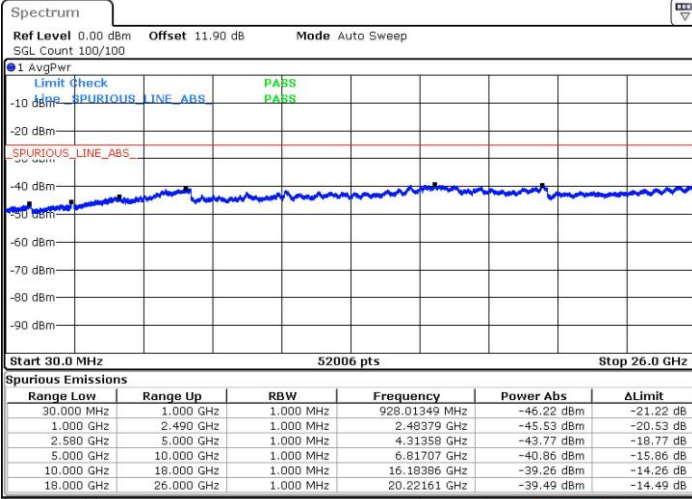




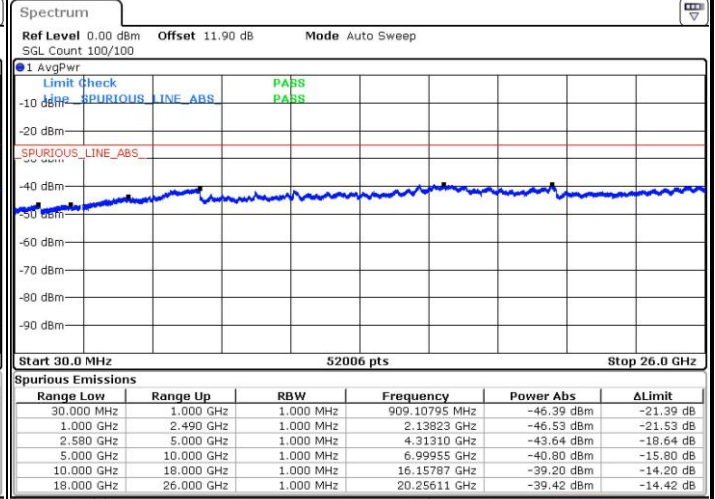
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

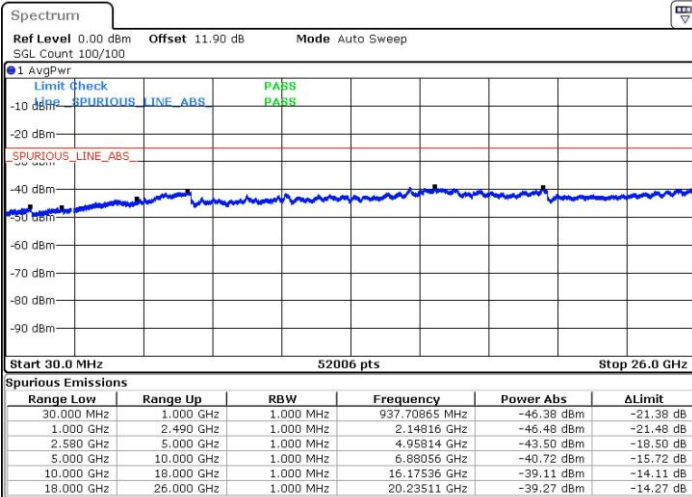


Date: 2 APR 2018 22:18:31



Date: 2 APR 2018 22:19:46

Highest Channel / 64QAM



Date: 2 APR 2018 22:23:16



**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0061	
20	Battery End Point	0.0006	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7

### 26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.87	-	25.62	30.65
Middle CH	29.78	-	25.25	30.48
Highest CH	29.78	-	25.33	30.48
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.75	30.04	34.85	40.06
Middle CH	34.65	30.13	34.95	39.83
Highest CH	34.75	29.87	34.95	39.83

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.70	-	25.25	30.48
Middle CH	29.96	-	25.18	30.48
Highest CH	29.78	-	25.33	30.56
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.85	30.04	34.85	39.71
Middle CH	34.85	30.04	34.95	39.71
Highest CH	34.85	29.87	34.65	39.83

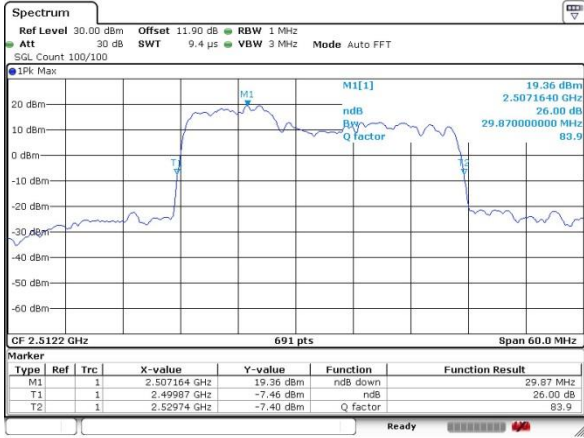
Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.78	-	25.40	30.48
Middle CH	29.87	-	25.33	30.48
Highest CH	29.87	-	25.25	30.39
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.75	29.96	34.95	39.59
Middle CH	34.95	30.04	34.85	39.71
Highest CH	34.65	29.96	34.85	39.71



LTE Band 7

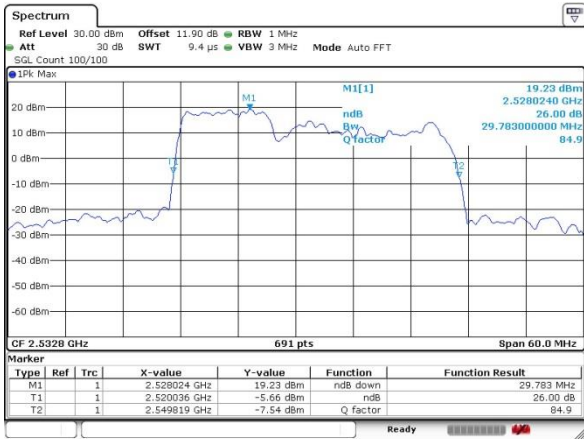
QPSK

Lowest Channel / 10MHz+20MHz



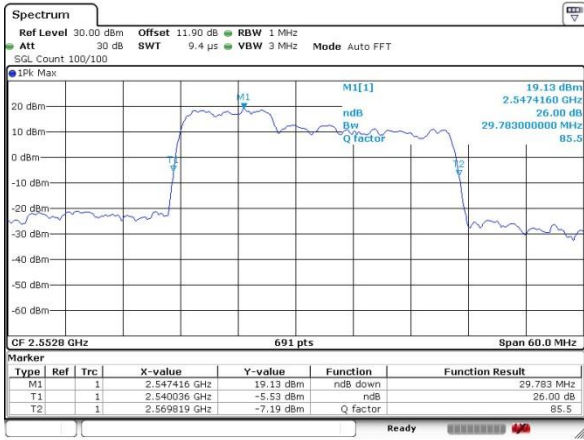
Date: 10.APR.2018 02:10:04

Middle Channel / 10MHz+20MHz



Date: 10.APR.2018 02:10:34

Highest Channel / 10MHz+20MHz



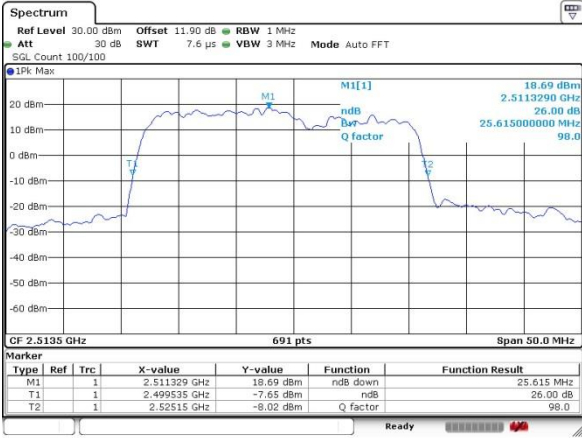
Date: 10.APR.2018 02:13:02



LTE Band 7

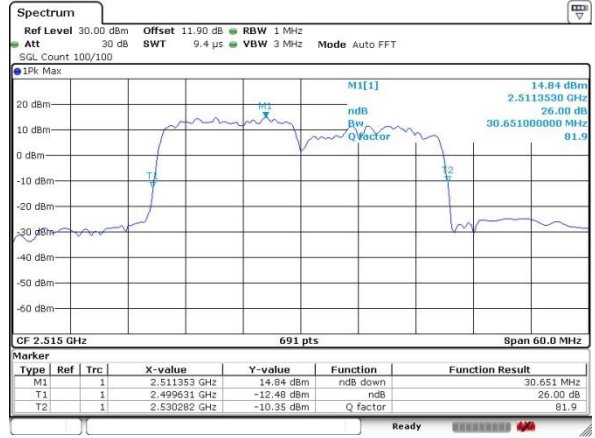
QPSK

Lowest Channel / 15MHz+10MHz



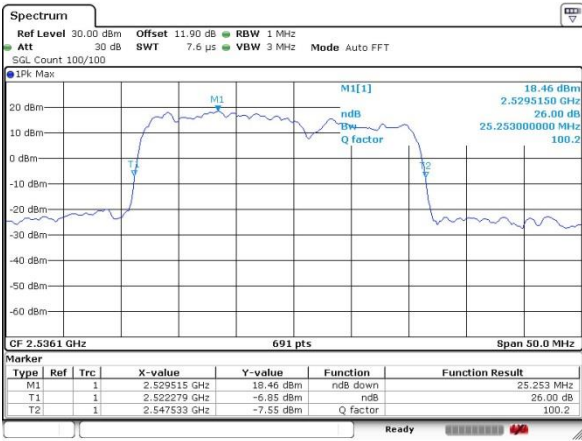
Date: 10.APR.2018 05:45:40

Lowest Channel / 15MHz+15MHz



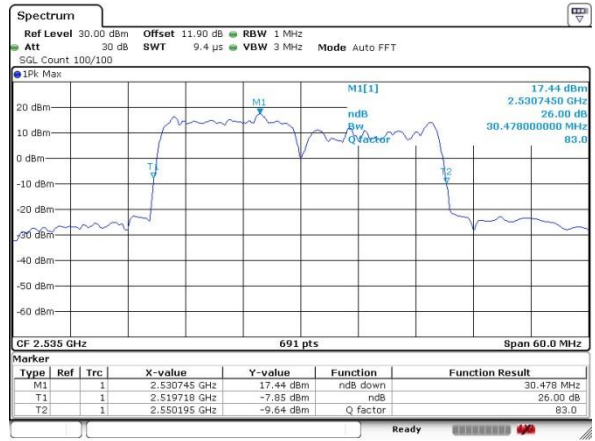
Date: 10.APR.2018 03:21:34

Middle Channel / 15MHz+10MHz



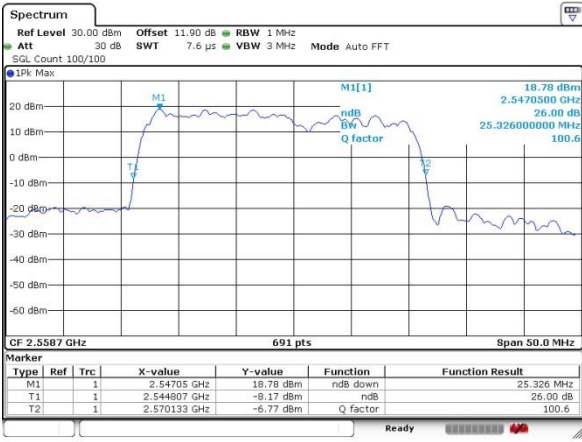
Date: 10.APR.2018 05:53:49

Middle Channel / 15MHz+15MHz



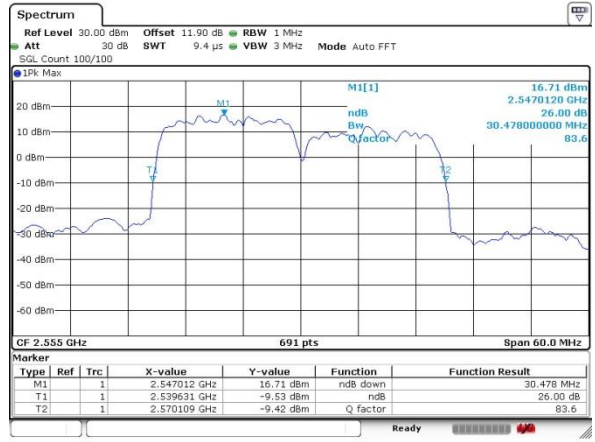
Date: 10.APR.2018 03:25:06

Highest Channel / 15MHz+10MHz



Date: 10.APR.2018 06:03:10

Highest Channel / 15MHz+15MHz



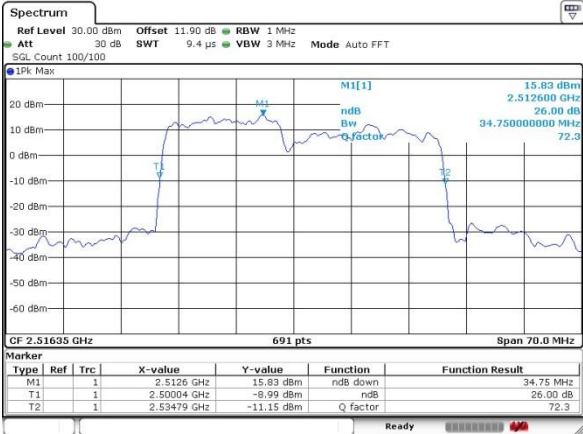
Date: 10.APR.2018 03:37:36



LTE Band 7

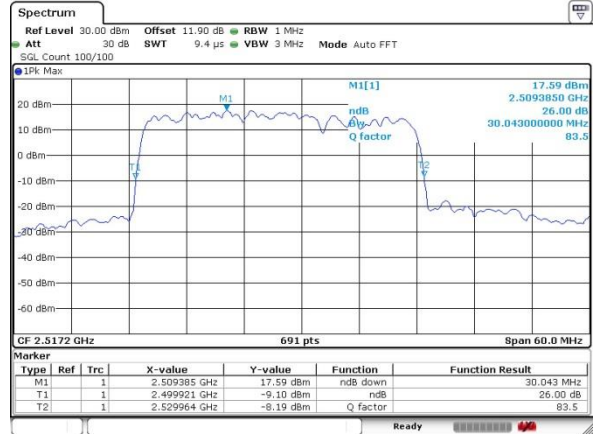
QPSK

Lowest Channel / 15MHz+20MHz



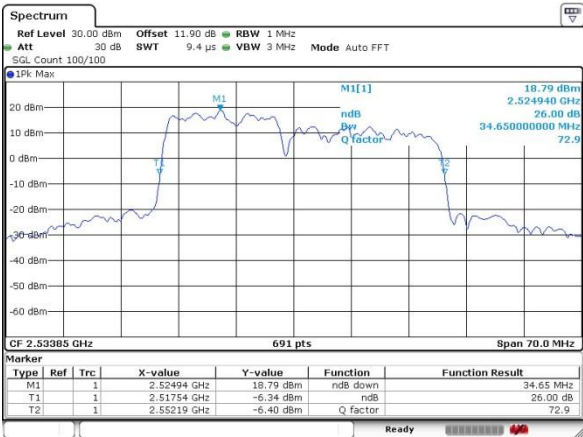
Date: 10.APR.2018 04:01:43

Lowest Channel / 20MHz+10MHz



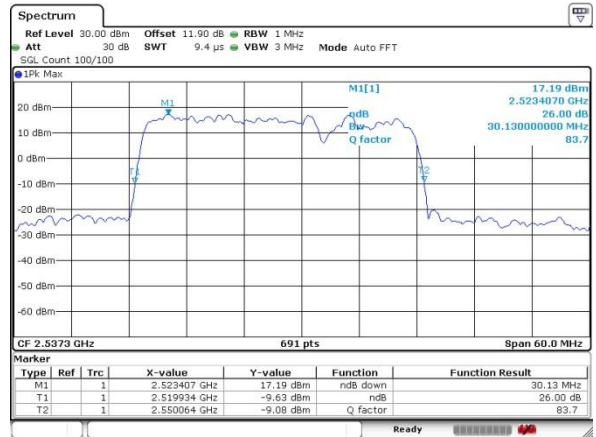
Date: 10.APR.2018 02:13:18

Middle Channel / 15MHz+20MHz



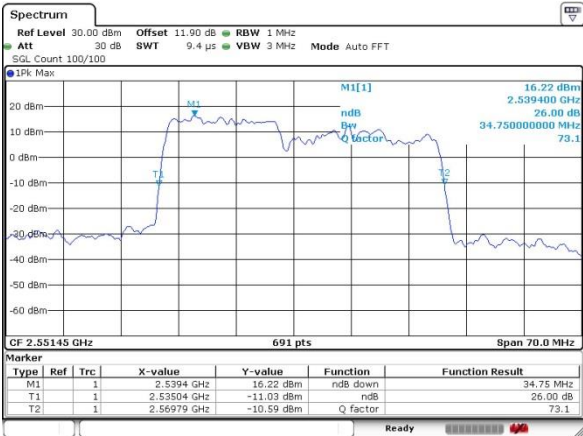
Date: 10.APR.2018 04:12:43

Middle Channel / 20MHz+10MHz



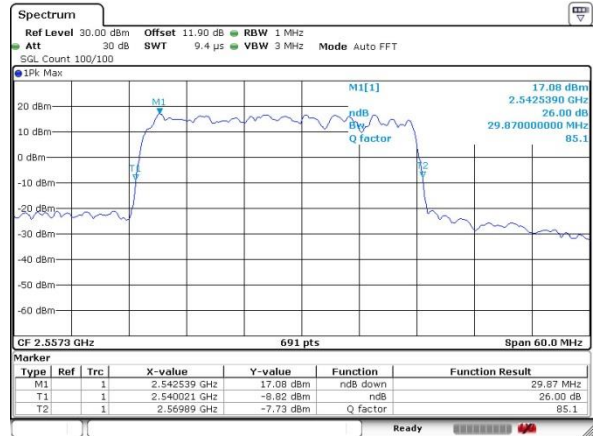
Date: 10.APR.2018 02:14:24

Highest Channel / 15MHz+20MHz



Date: 10.APR.2018 04:12:09

Highest Channel / 20MHz+10MHz



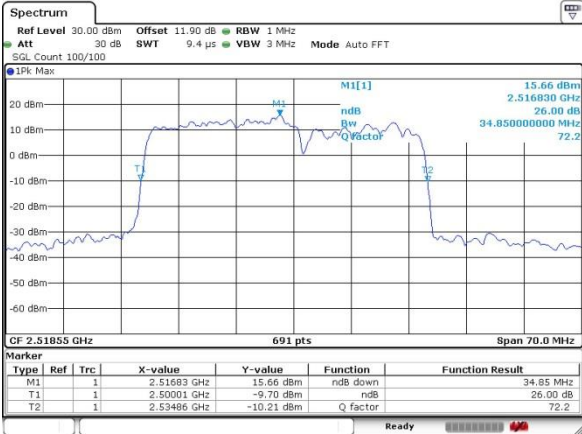
Date: 10.APR.2018 02:14:35



LTE Band 7

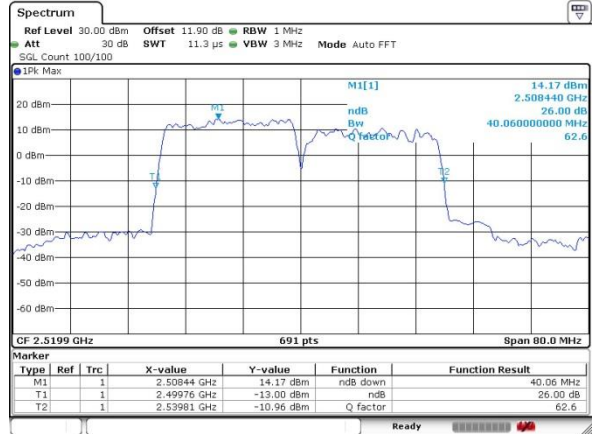
QPSK

Lowest Channel / 20MHz+15MHz



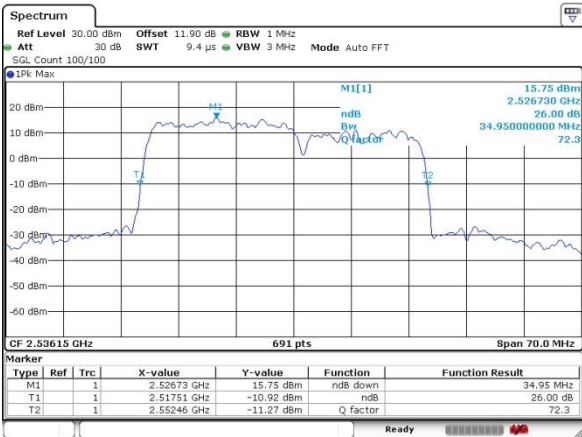
Date: 10.APR.2018 04:45:45

Lowest Channel / 20MHz+20MHz



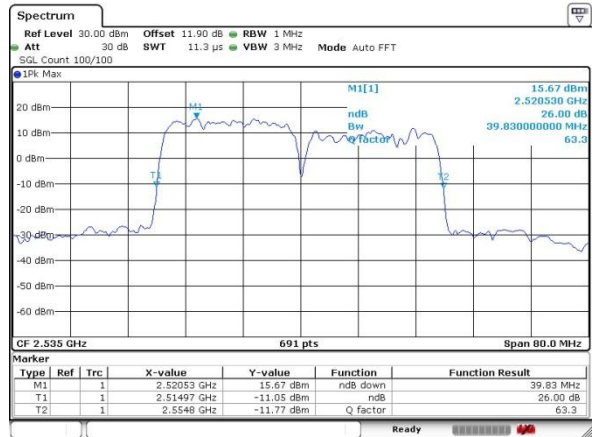
Date: 10.APR.2018 05:13:53

Middle Channel / 20MHz+15MHz



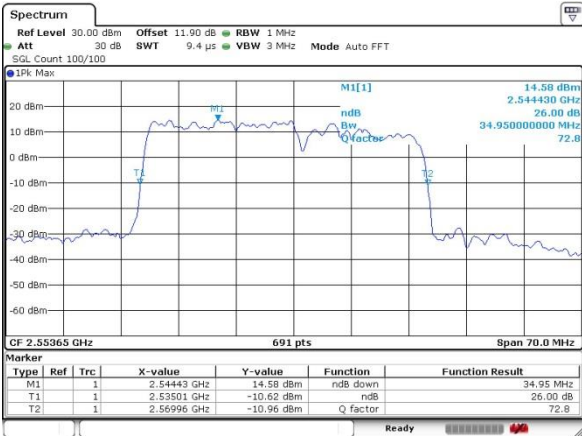
Date: 10.APR.2018 05:00:15

Middle Channel / 20MHz+20MHz



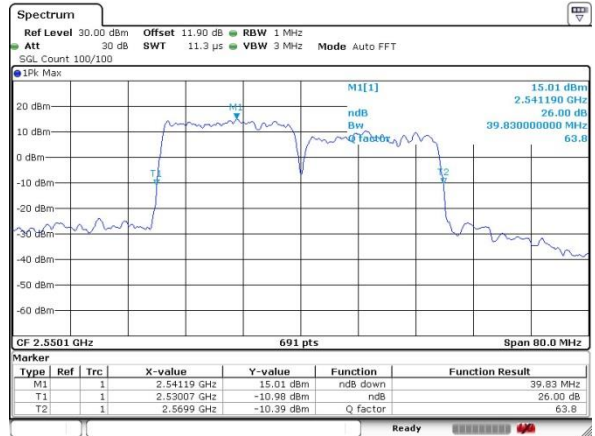
Date: 10.APR.2018 05:26:43

Highest Channel / 20MHz+15MHz



Date: 10.APR.2018 05:04:08

Highest Channel / 20MHz+20MHz



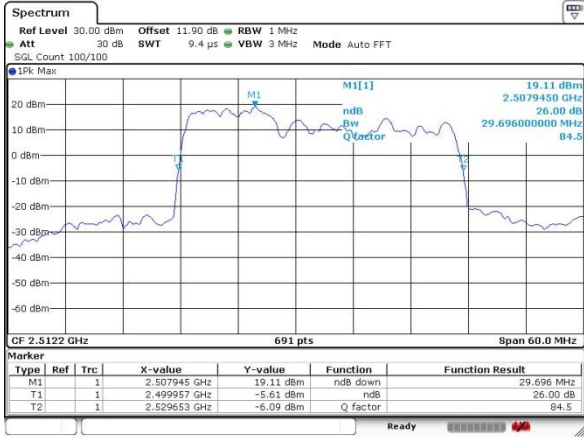
Date: 10.APR.2018 05:29:50



LTE Band 7

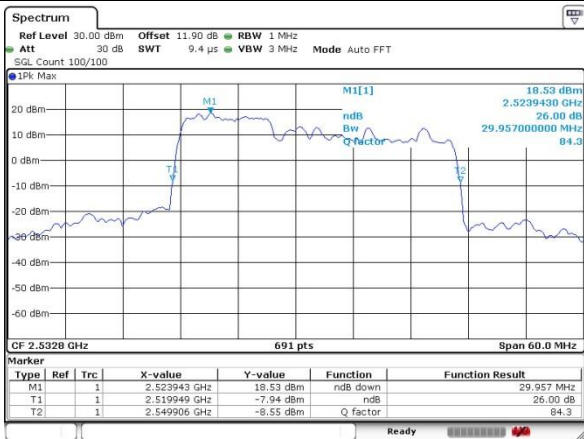
16QAM

Lowest Channel / 10MHz+20MHz



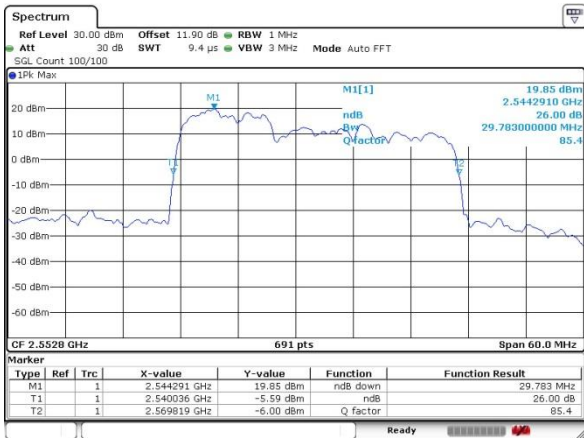
Date: 10.APR.2018 02:07:36

Middle Channel / 10MHz+20MHz



Date: 10.APR.2018 02:11:02

Highest Channel / 10MHz+20MHz



Date: 10.APR.2018 02:13:27

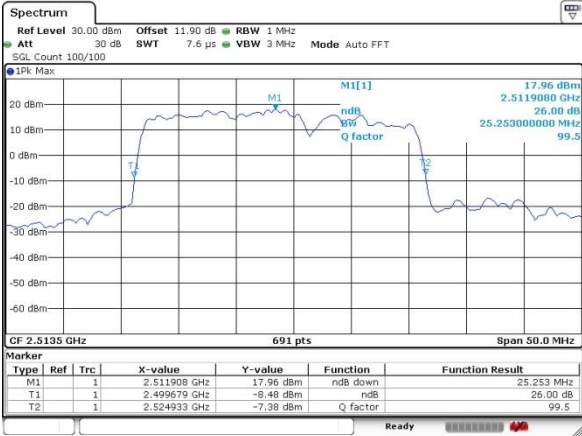




LTE Band 7

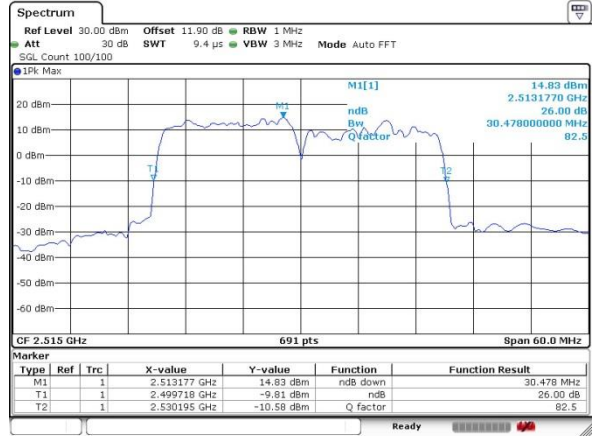
16QAM

Lowest Channel / 15MHz+10MHz



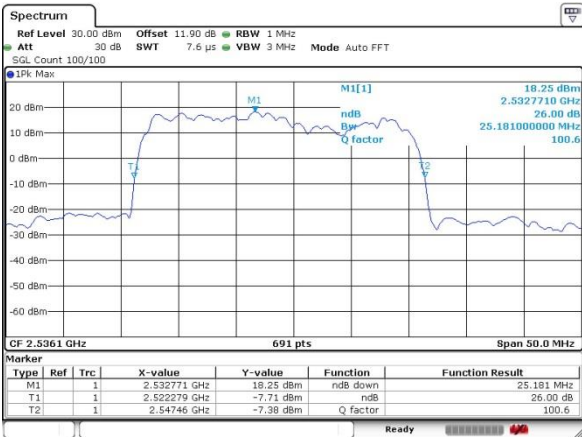
Date: 10.APR.2018 05:51:37

Lowest Channel / 15MHz+15MHz



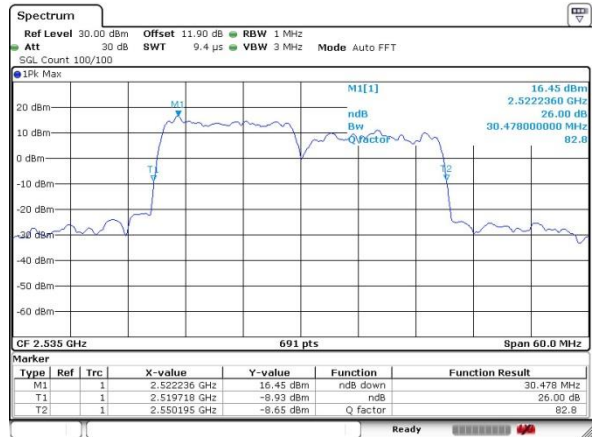
Date: 10.APR.2018 03:22:21

Middle Channel / 15MHz+10MHz



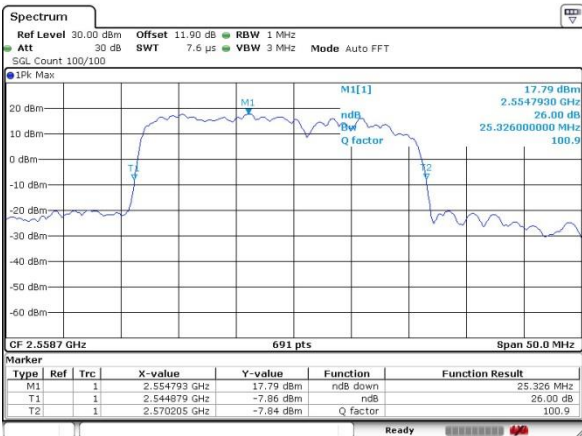
Date: 10.APR.2018 05:54:15

Middle Channel / 15MHz+15MHz



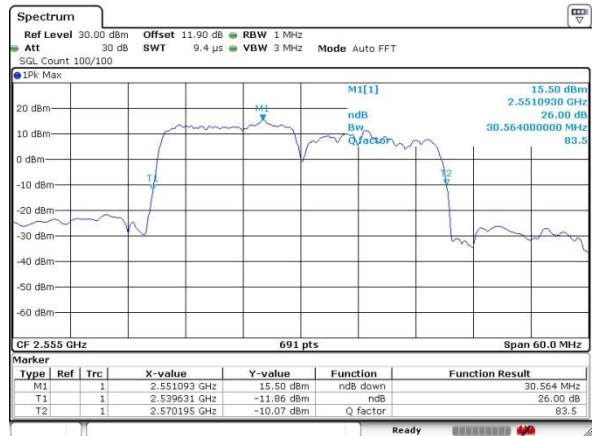
Date: 10.APR.2018 03:25:50

Highest Channel / 15MHz+10MHz



Date: 10.APR.2018 06:03:43

Highest Channel / 15MHz+15MHz



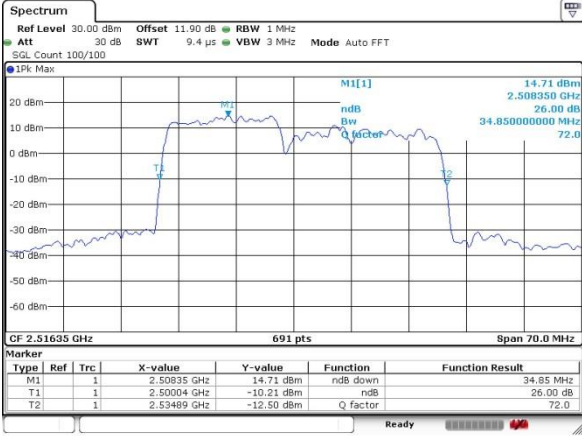
Date: 10.APR.2018 03:38:14



LTE Band 7

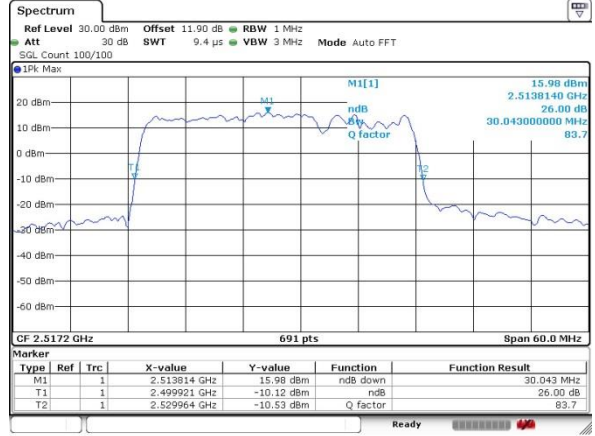
16QAM

Lowest Channel / 15MHz+20MHz



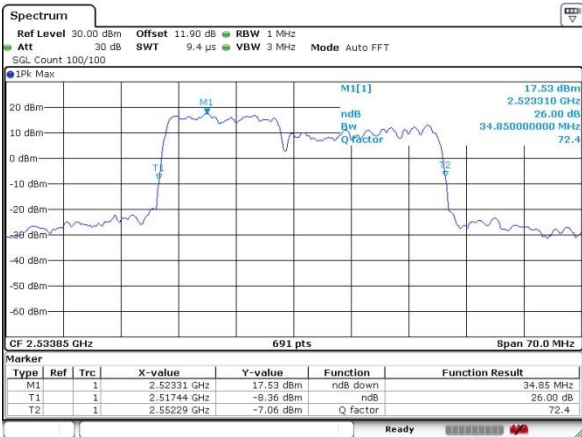
Date: 10.APR.2018 04:02:45

Lowest Channel / 20MHz+10MHz



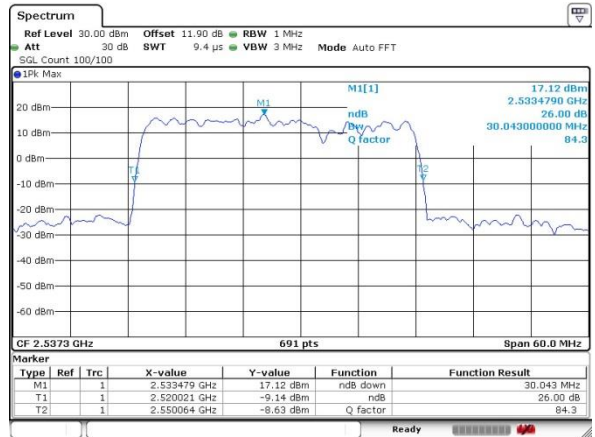
Date: 10.APR.2018 02:13:43

Middle Channel / 15MHz+20MHz



Date: 10.APR.2018 04:27:28

Middle Channel / 20MHz+10MHz



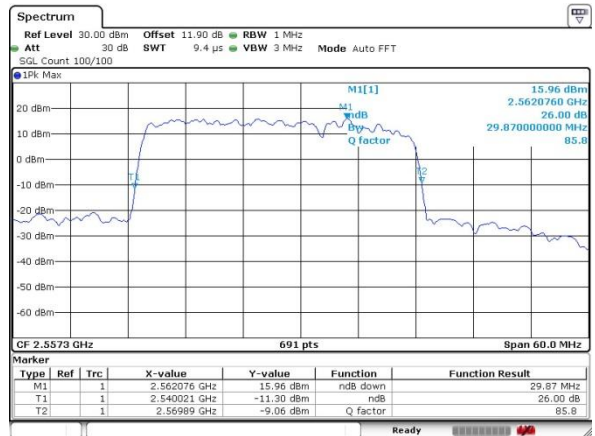
Date: 10.APR.2018 02:43:57

Highest Channel / 15MHz+20MHz



Date: 10.APR.2018 04:32:55

Highest Channel / 20MHz+10MHz



Date: 10.APR.2018 02:50:47

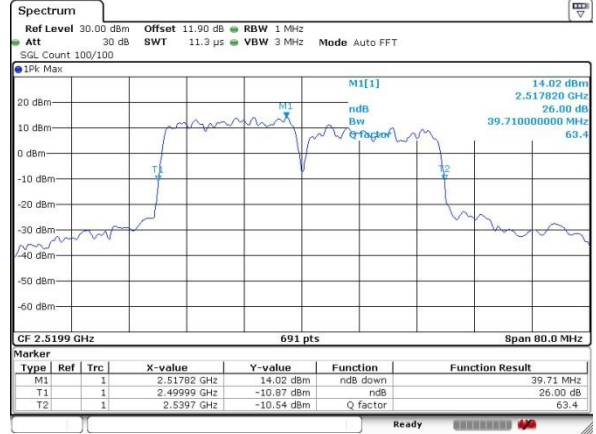
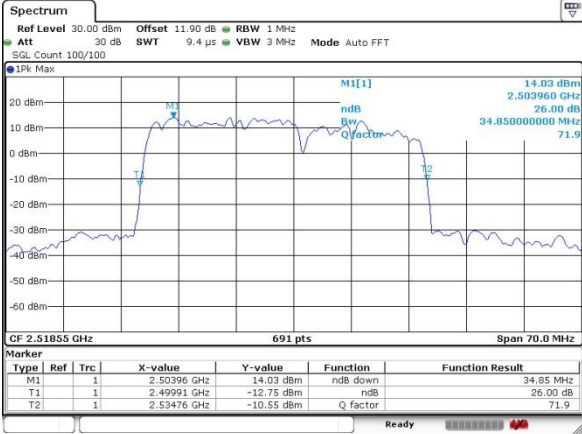


LTE Band 7

16QAM

Lowest Channel / 20MHz+15MHz

Lowest Channel / 20MHz+20MHz

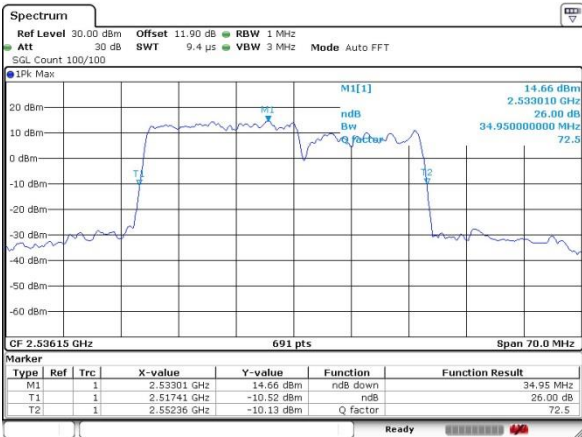


Date: 10.APR.2018 04:47:20

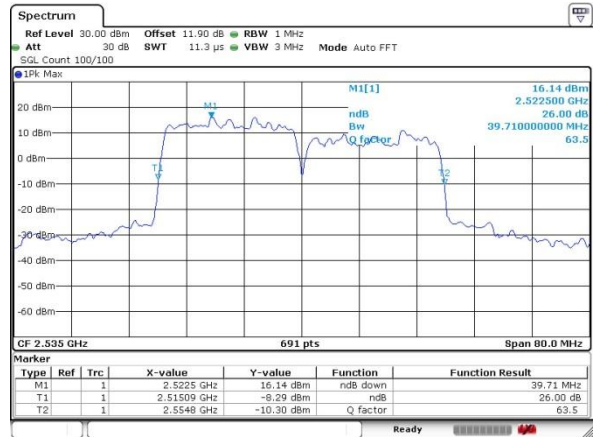
Date: 10.APR.2018 05:14:50

Middle Channel / 20MHz+15MHz

Middle Channel / 20MHz+20MHz



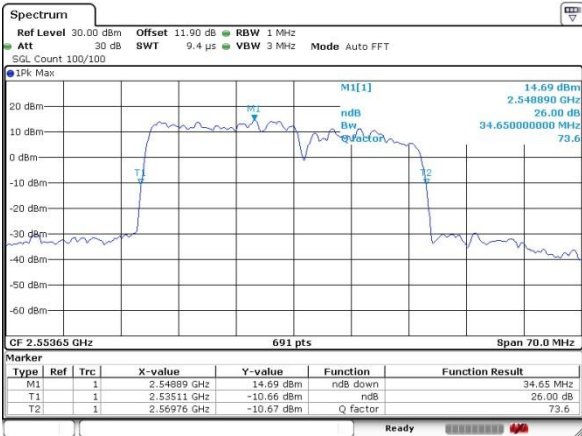
Date: 10.APR.2018 05:01:53



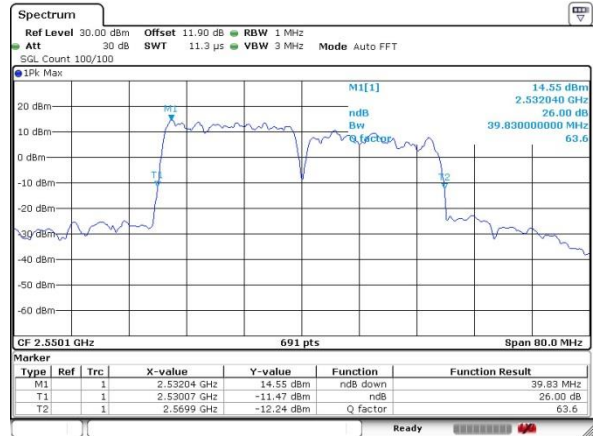
Date: 10.APR.2018 05:27:10

Highest Channel / 20MHz+15MHz

Highest Channel / 20MHz+20MHz



Date: 10.APR.2018 05:04:46



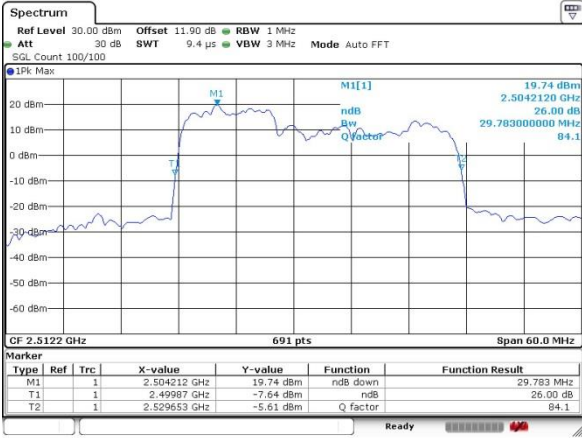
Date: 10.APR.2018 05:13:16



LTE Band 7

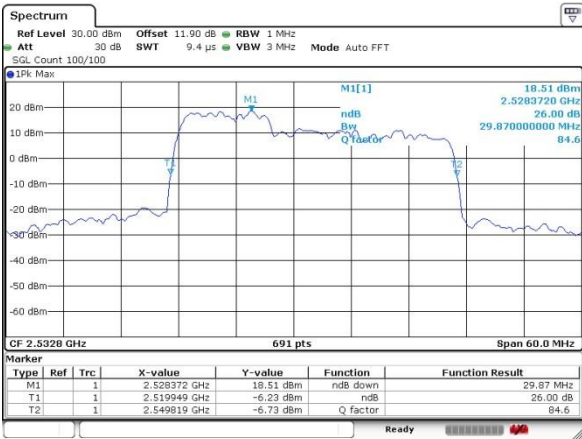
64QAM

Lowest Channel / 10MHz+20MHz



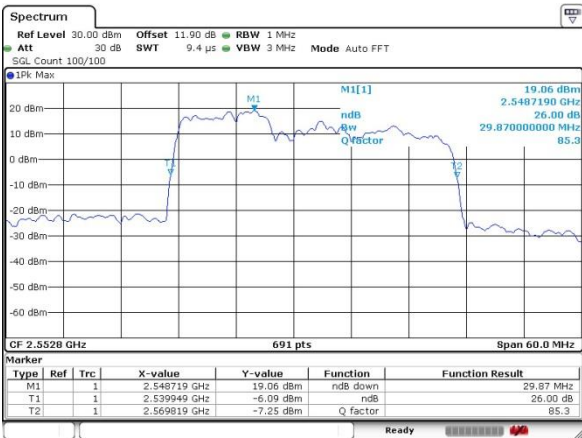
Date: 10.APR.2018 02:07:58

Middle Channel / 10MHz+20MHz



Date: 10.APR.2018 02:11:20

Highest Channel / 10MHz+20MHz



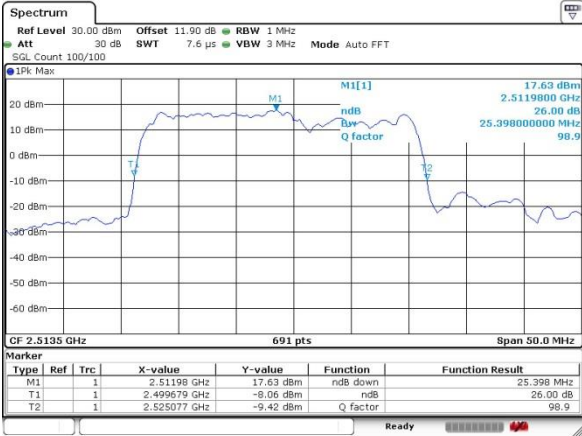
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LTE Band 7

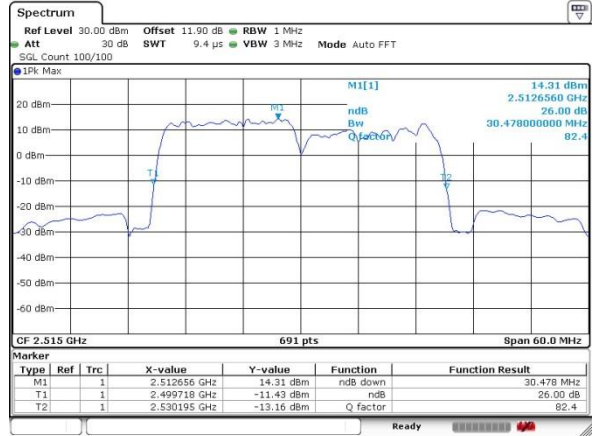
64QAM

Lowest Channel / 15MHz+10MHz



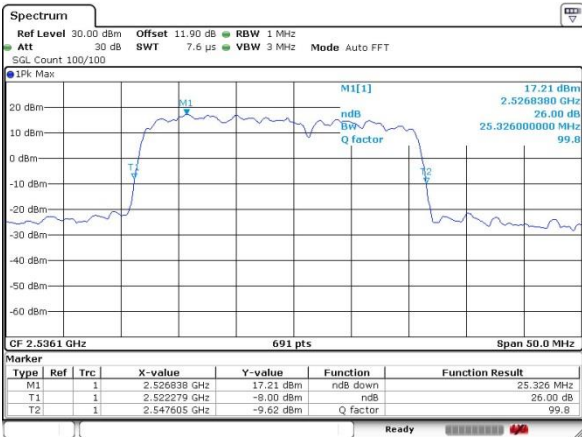
Date: 10.APR.2018 05:51:55

Lowest Channel / 15MHz+15MHz



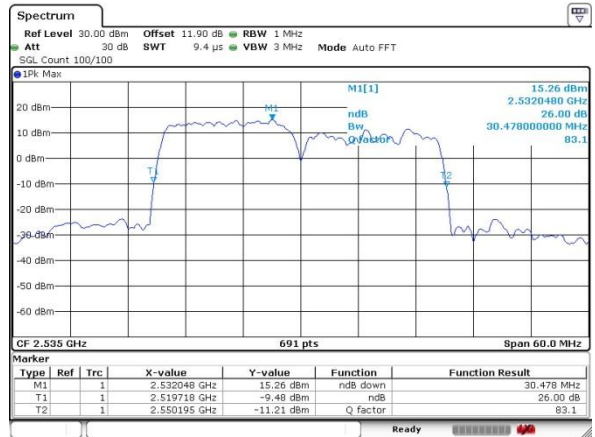
Date: 10.APR.2018 03:23:01

Middle Channel / 15MHz+10MHz



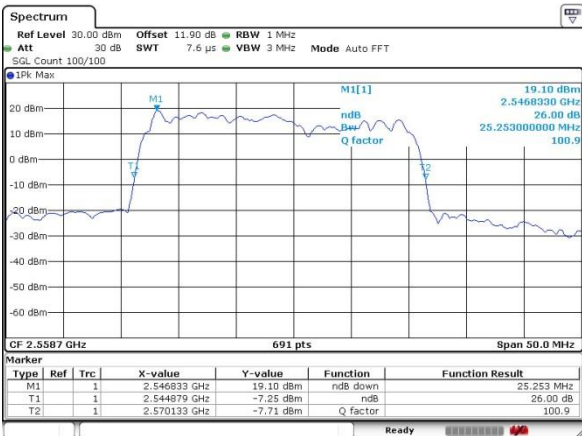
Date: 10.APR.2018 05:54:37

Middle Channel / 15MHz+15MHz



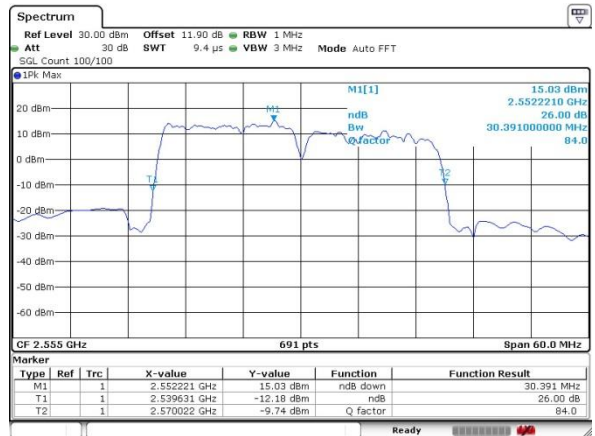
Date: 10.APR.2018 03:26:10

Highest Channel / 15MHz+10MHz



Date: 10.APR.2018 06:04:05

Highest Channel / 15MHz+15MHz



Date: 10.APR.2018 03:38:35