LTE Band 4

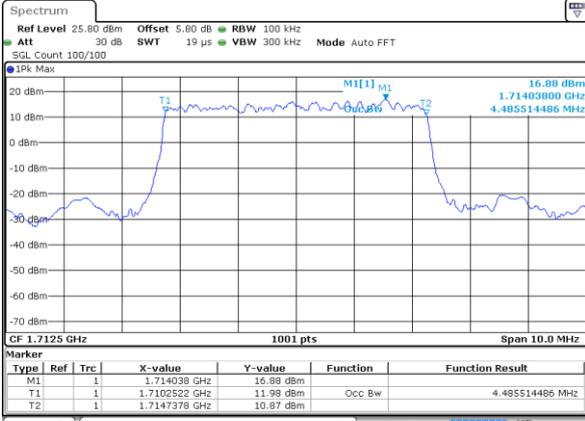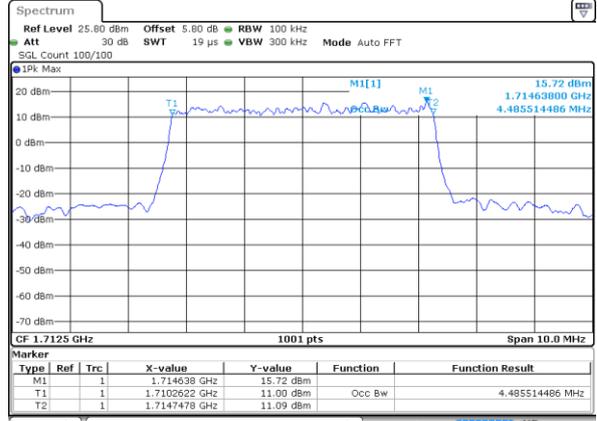### Lowest Channel / 5MHz / QPSK
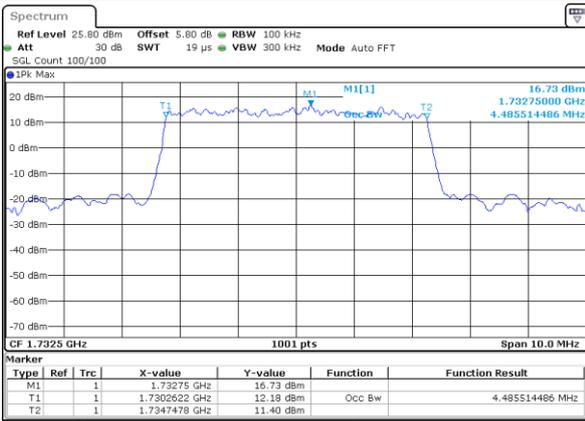

Date: 2.SEP.2019 21:13:40

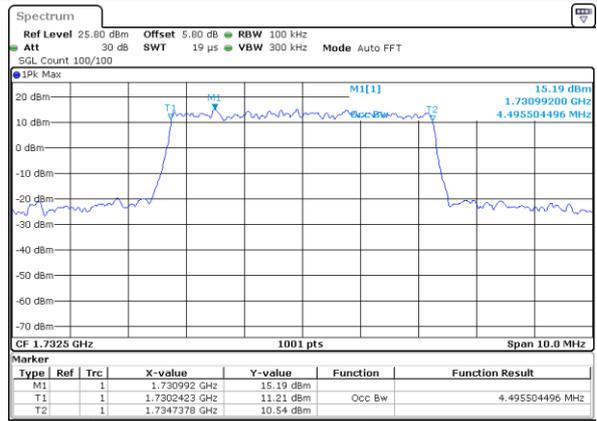### Lowest Channel / 5MHz / 16QAM

Date: 2.SEP.2019 21:13:50

Middle Channel / 5MHz / QPSK
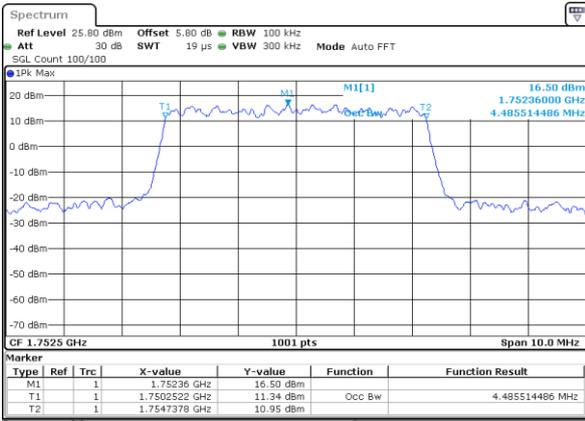

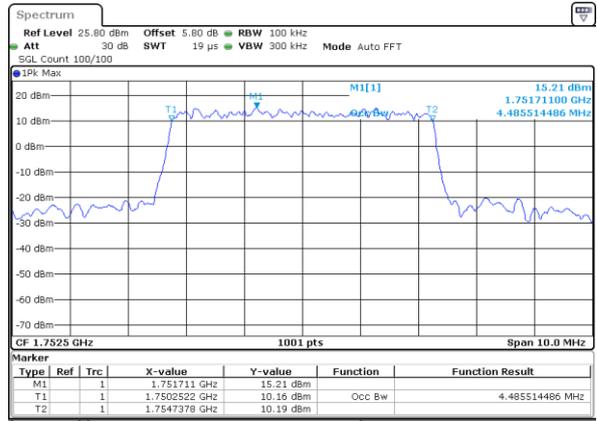Date: 2.SEP.2019 21:20:34

Middle Channel / 5MHz / 16QAM

Date: 2.SEP.2019 21:20:44

Highest Channel / 5MHz / QPSK

Date: 2.SEP.2019 21:23:01
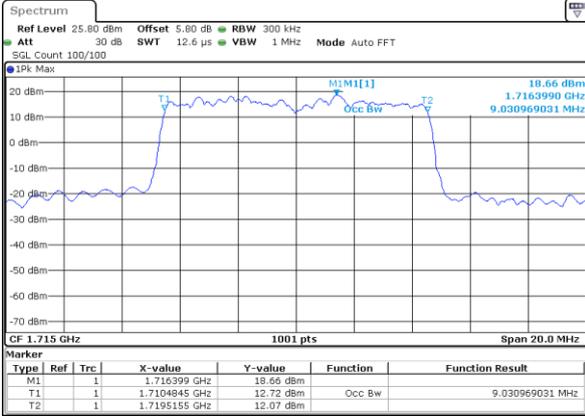
Highest Channel / 5MHz / 16QAM
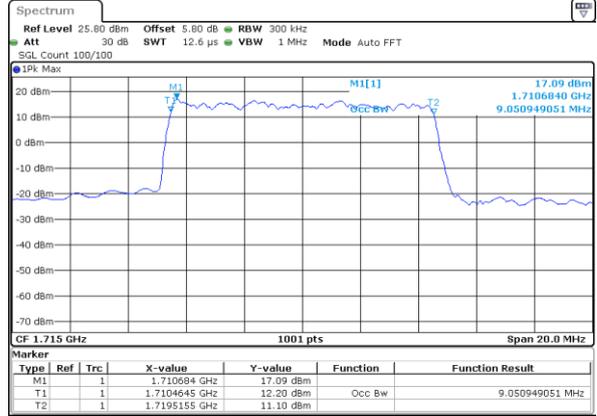

Date: 2.SEP.2019 21:23:11

LTE Band 4

Lowest Channel / 10MHz / QPSK

Date: 2.SEP.2019 21:29:56

Lowest Channel / 10MHz / 16QAM

Date: 2.SEP.2019 21:30:06

Middle Channel / 10MHz / QPSK
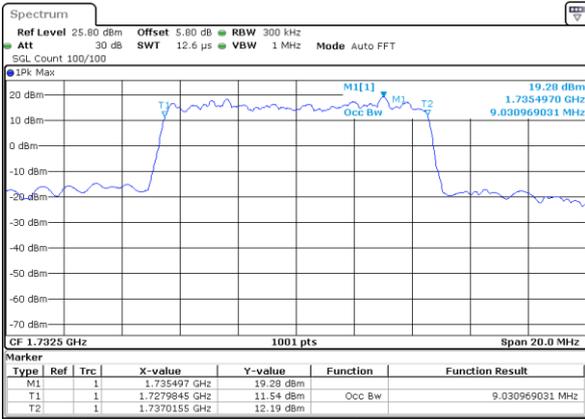
Date: 2.SEP.2019 21:36:50

Middle Channel / 10MHz / 16QAM
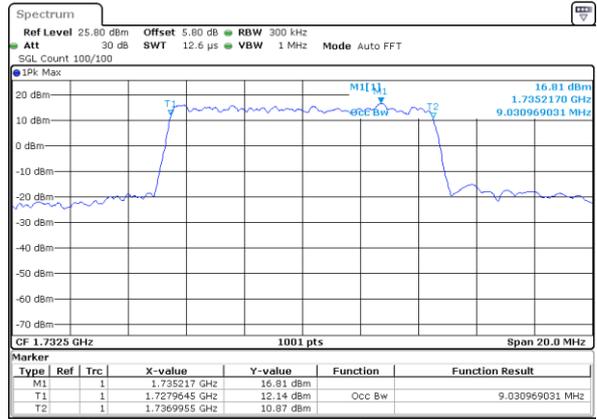
Date: 2.SEP.2019 21:37:00

Highest Channel / 10MHz / QPSK
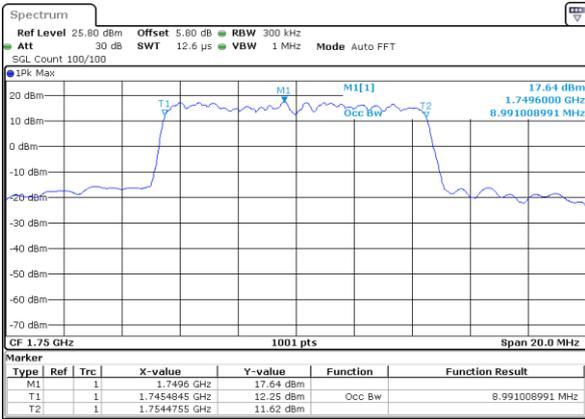
Date: 2.SEP.2019 21:39:17

Highest Channel / 10MHz / 16QAM

Date: 2.SEP.2019 21:39:27

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LTE Band 4

Lowest Channel / 15MHz / QPSK

Date: 2.SEP.2019 21:46:11

Lowest Channel / 15MHz / 16QAM
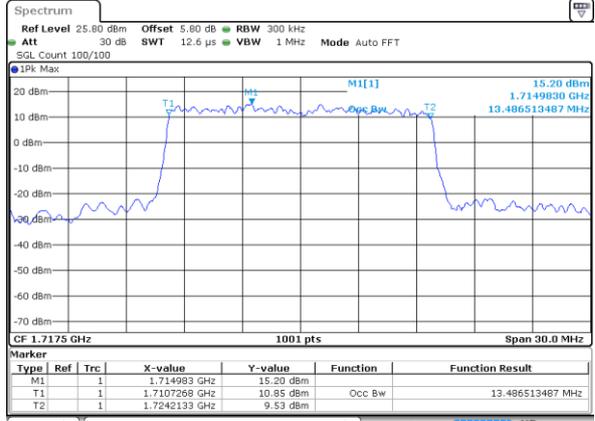
Date: 2.SEP.2019 21:46:21
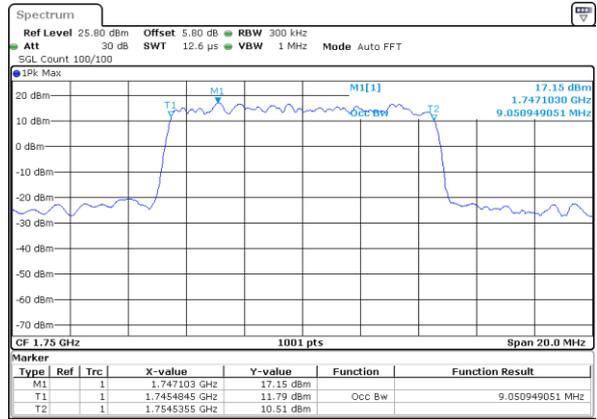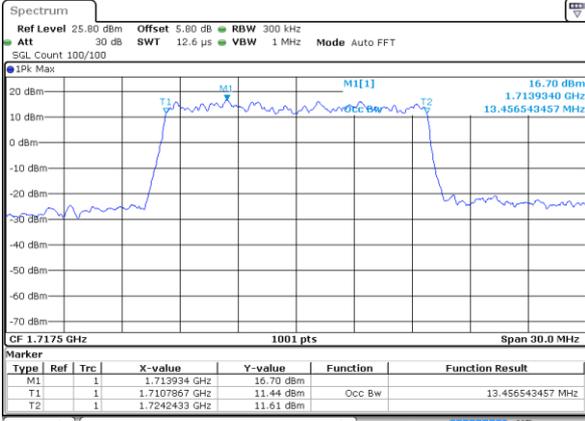
Middle Channel / 15MHz / QPSK
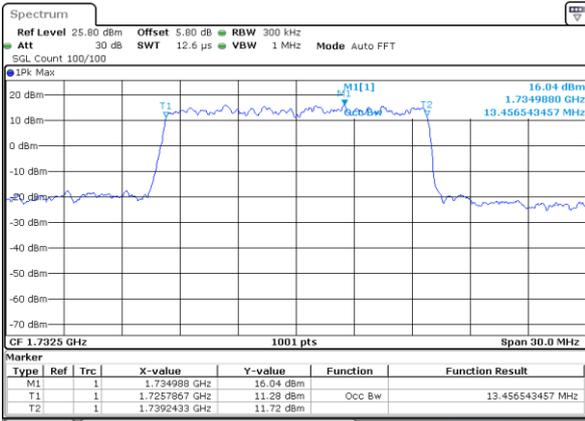
Date: 2.SEP.2019 21:53:06

Middle Channel / 15MHz / 16QAM
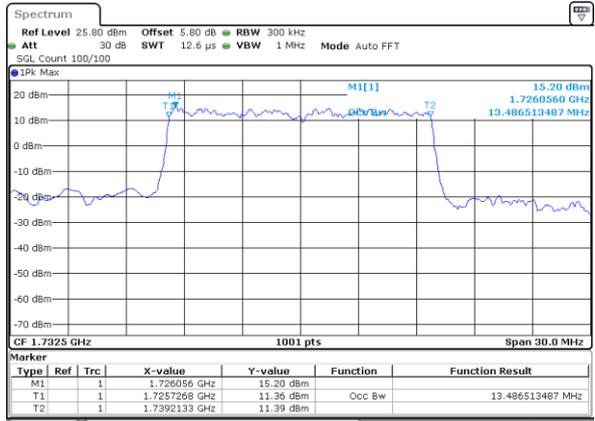
Date: 2.SEP.2019 21:53:15

Highest Channel / 15MHz / QPSK
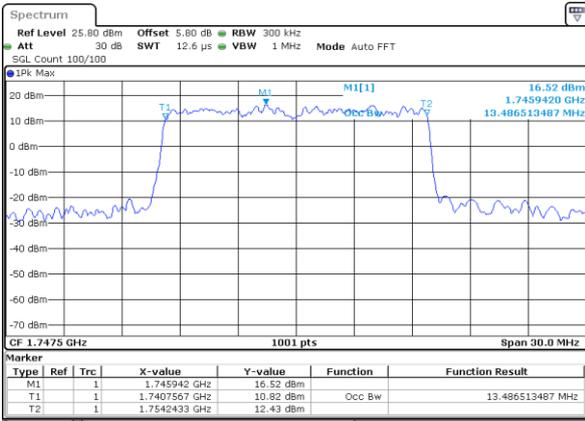
Date: 2.SEP.2019 21:55:32

Highest Channel / 15MHz / 16QAM
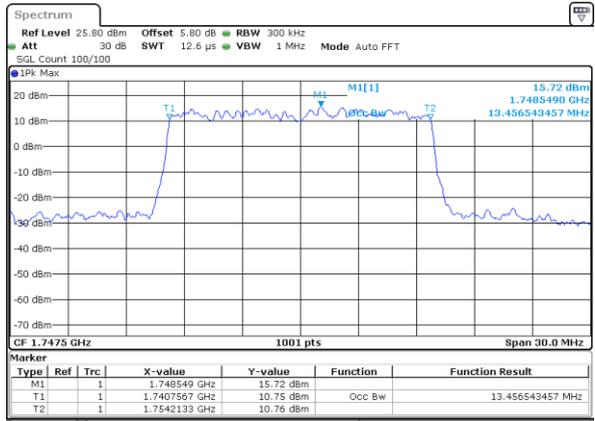

Date: 2.SEP.2019 21:55:42

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LTE Band 4	
Lowest Channel / 20MHz / QPSK	**Lowest Channel / 20MHz / 16QAM**
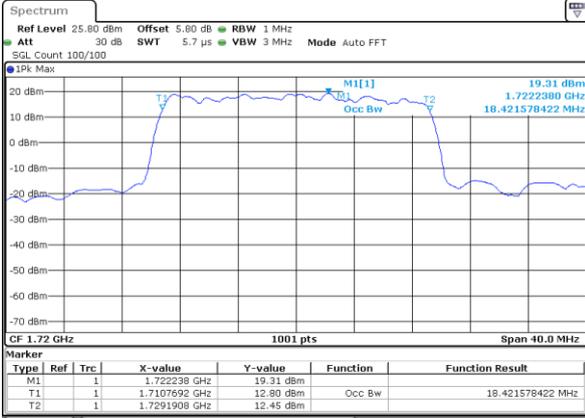
Date: 2.SEP.2019 22:02:26
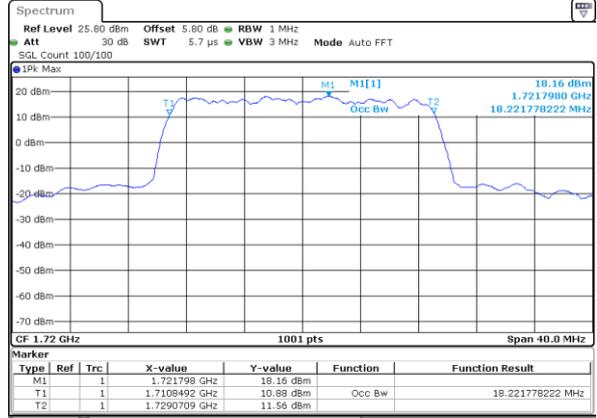
Date: 2.SEP.2019 22:02:36

Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
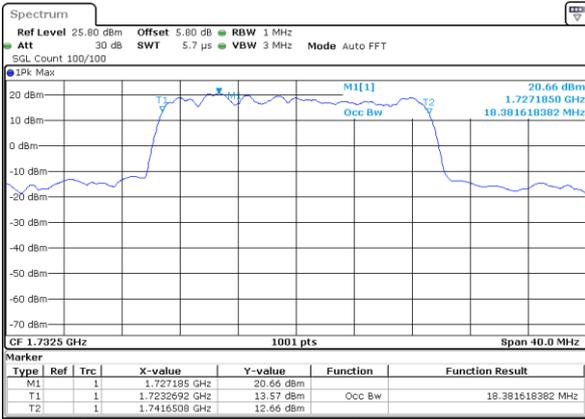
Date: 2.SEP.2019 22:09:20
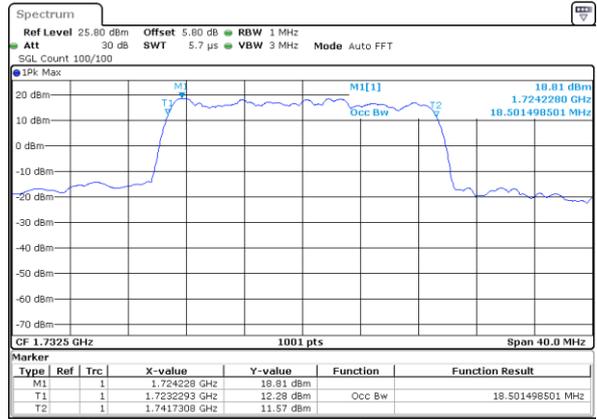
Date: 2.SEP.2019 22:09:30

Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**
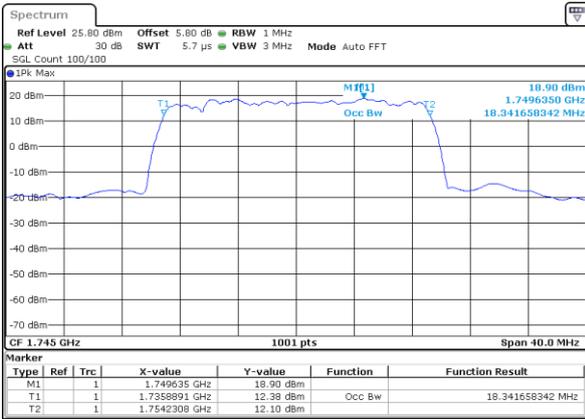
Date: 2.SEP.2019 22:11:47

Date: 2.SEP.2019 22:11:57

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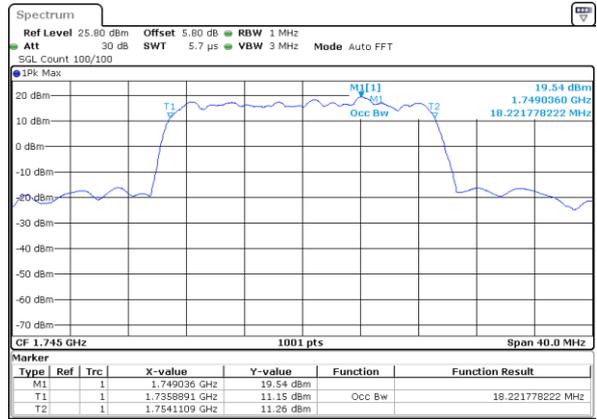
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM	Lowest Channel / 3MHz / 64QAM
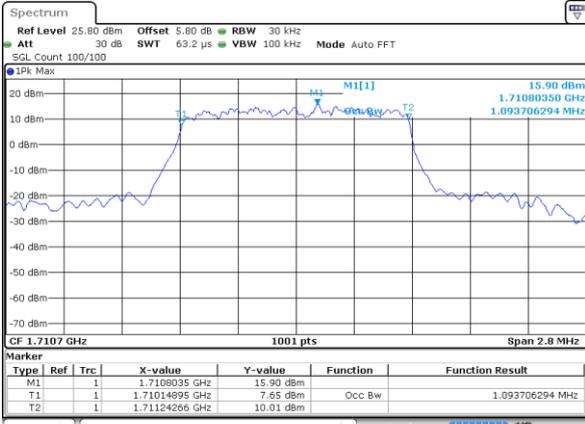
Date: 2.SEP.2019 22:18:42
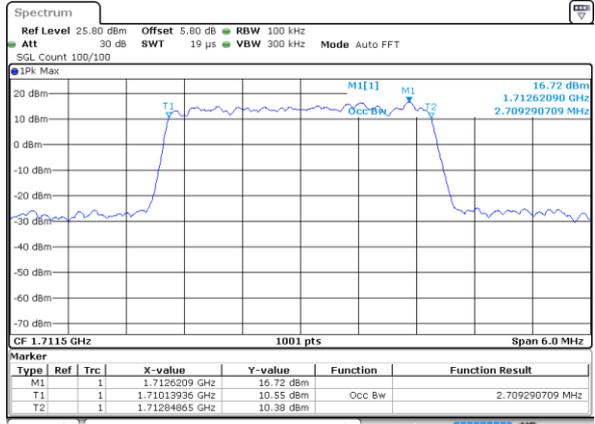
Date: 2.SEP.2019 22:26:50

Middle Channel / 1.4MHz / 64QAM	Middle Channel / 3MHz / 64QAM
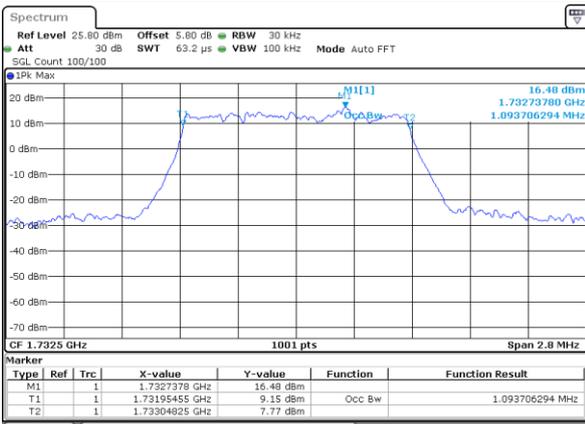
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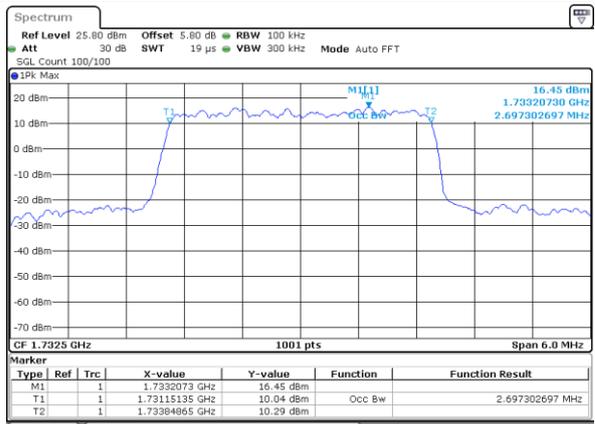
Date: 2.SEP.2019 22:30:17

Highest Channel / 1.4MHz / 64QAM	Highest Channel / 3MHz / 64QAM

Date: 2.SEP.2019 22:23:22

Date: 2.SEP.2019 22:31:30

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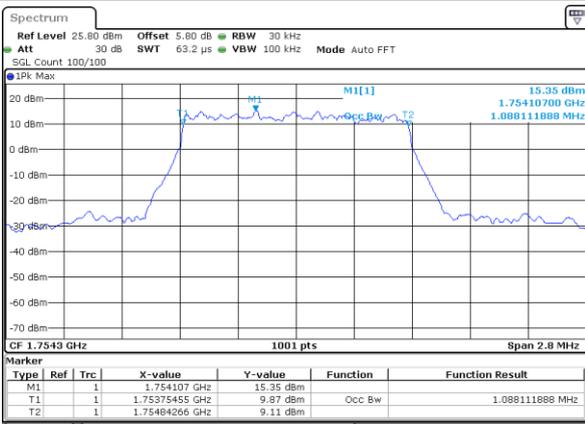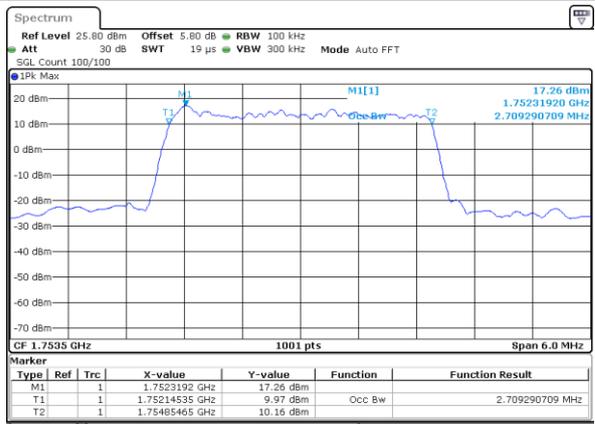
LTE Band 4	
Lowest Channel / 5MHz / 64QAM	**Lowest Channel / 10MHz / 64QAM**
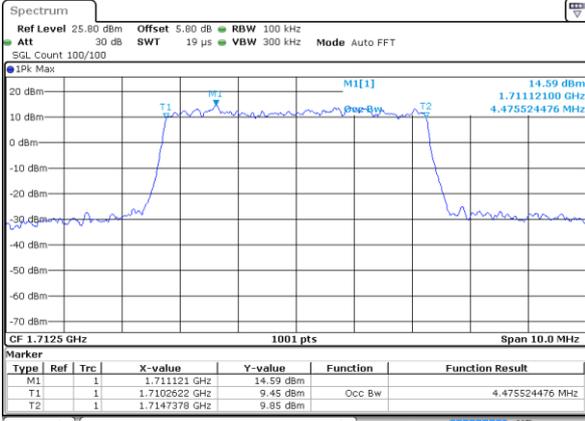
Date: 2.SEP.2019 22:34:58
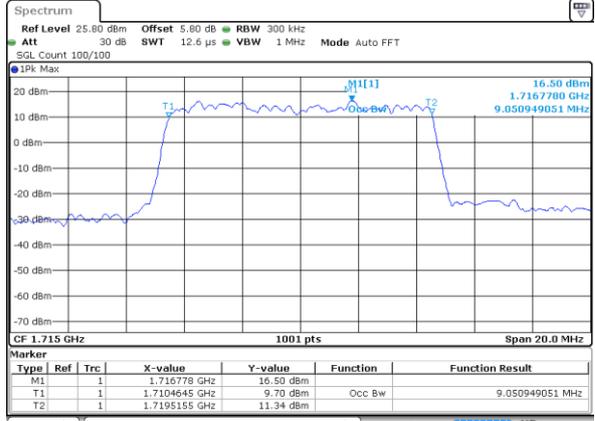
Date: 2.SEP.2019 22:43:05

Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
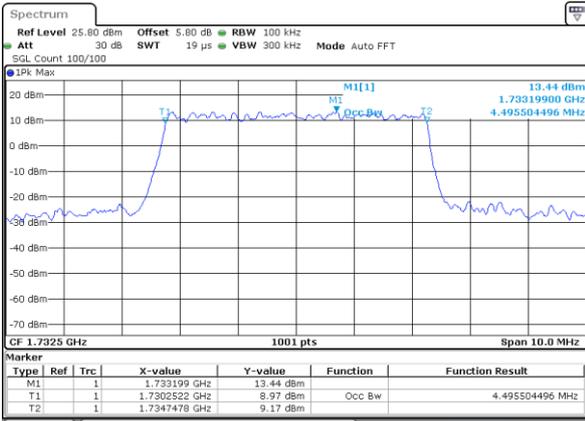
Date: 2.SEP.2019 22:38:25
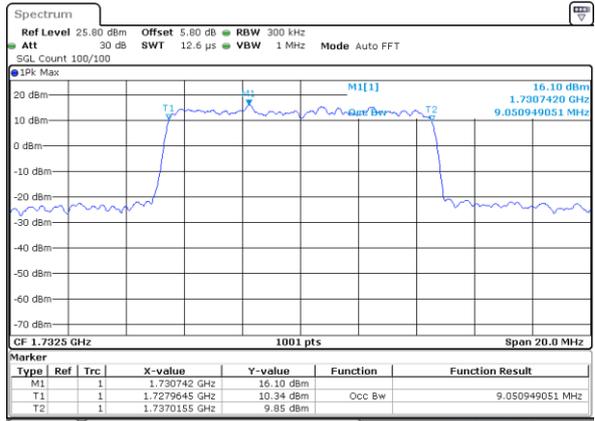
Date: 2.SEP.2019 22:46:32

Highest Channel / 5MHz / 64QAM	**Highest Channel / 10MHz / 64QAM**
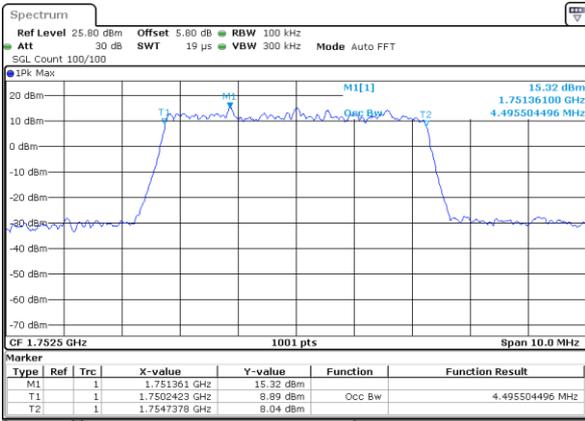
Date: 2.SEP.2019 22:39:38

Date: 2.SEP.2019 22:47:46

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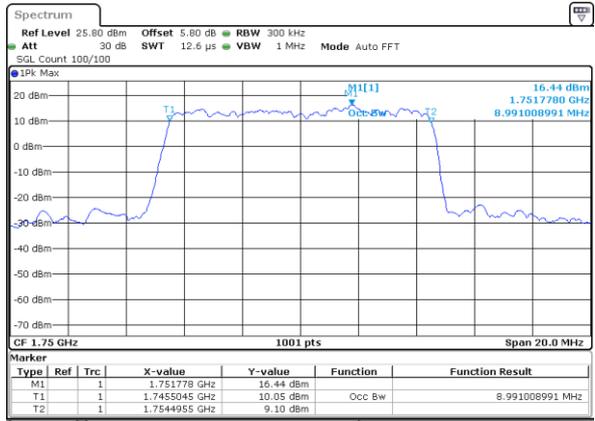
LTE Band 4

Lowest Channel / 15MHz / 64QAM
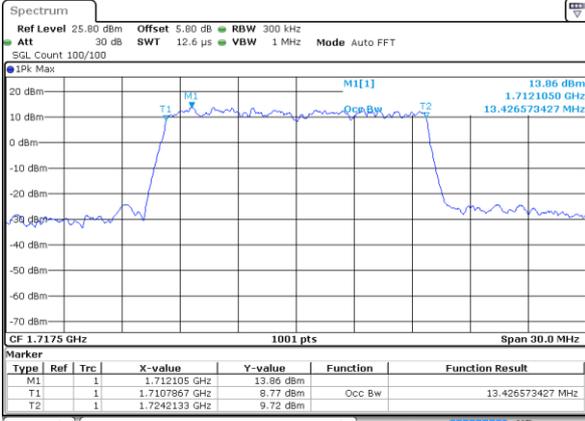
Date: 2.SEP.2019 22:51:13

Lowest Channel / 20MHz / 64QAM
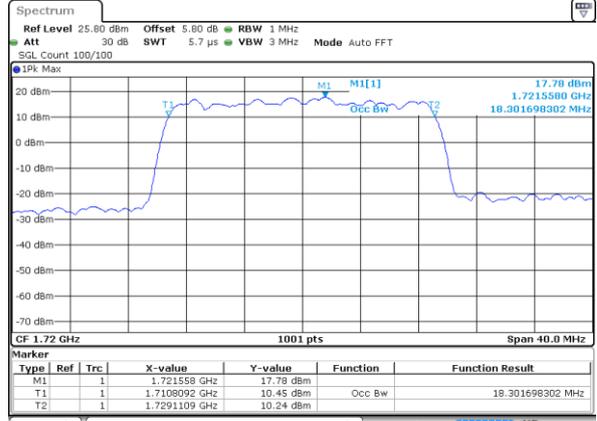
Date: 2.SEP.2019 22:59:21

Middle Channel / 15MHz / 64QAM
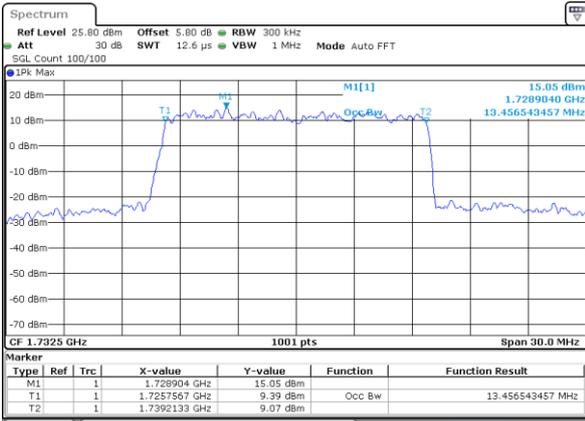
Date: 2.SEP.2019 22:54:40

Middle Channel / 20MHz / 64QAM
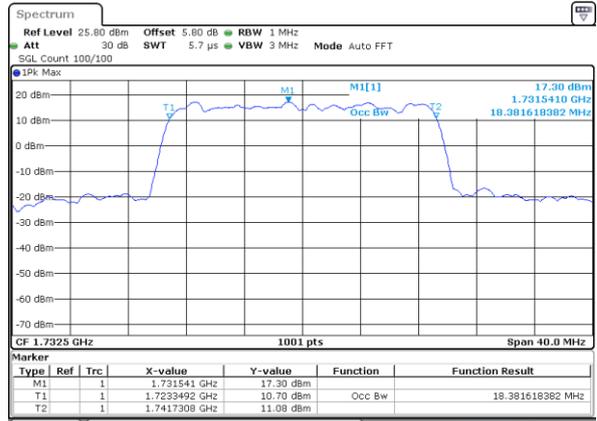
Date: 2.SEP.2019 23:02:48

Highest Channel / 15MHz / 64QAM
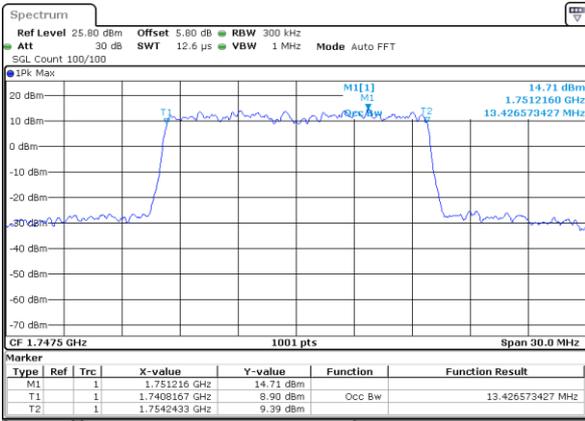
Date: 2.SEP.2019 22:55:54

Highest Channel / 20MHz / 64QAM

Date: 2.SEP.2019 23:04:02

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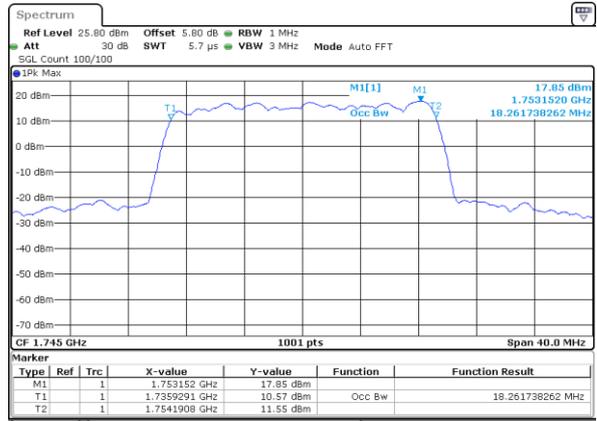
LTE Band 5	
Lowest Channel / 1.4MHz / QPSK	**Lowest Channel / 1.4MHz / 16QAM**
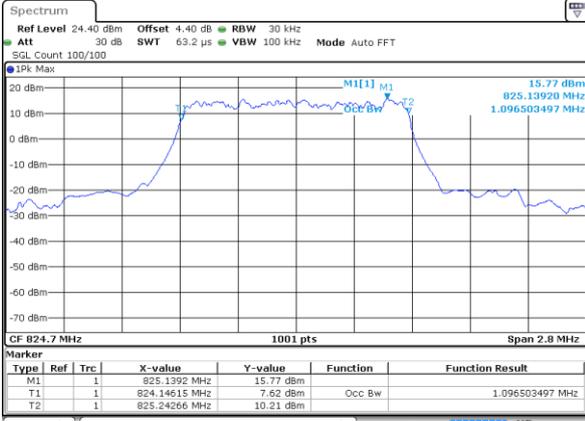
Date: 2.SEP.2019 23:31:08
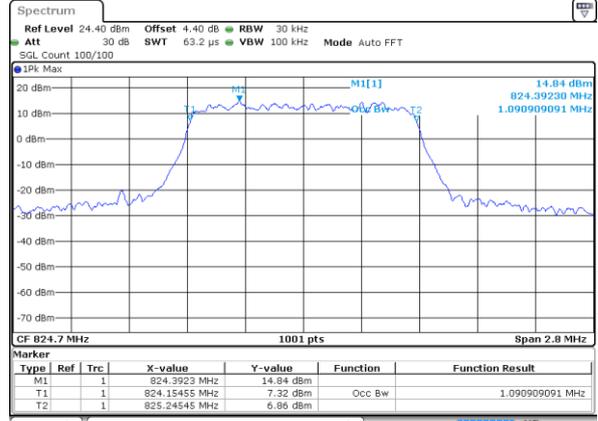
Date: 2.SEP.2019 23:31:18

Middle Channel / 1.4MHz / QPSK	**Middle Channel / 1.4MHz / 16QAM**
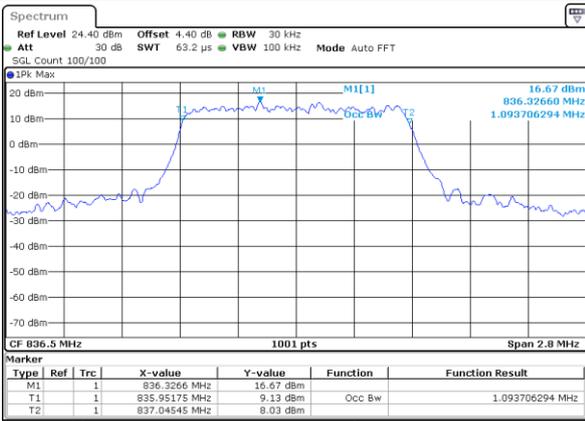
Date: 2.SEP.2019 23:40:02
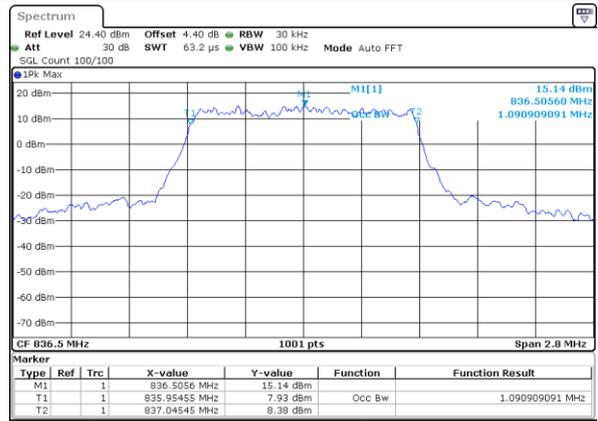
Date: 2.SEP.2019 23:40:12

Highest Channel / 1.4MHz / QPSK	**Highest Channel / 1.4MHz / 16QAM**
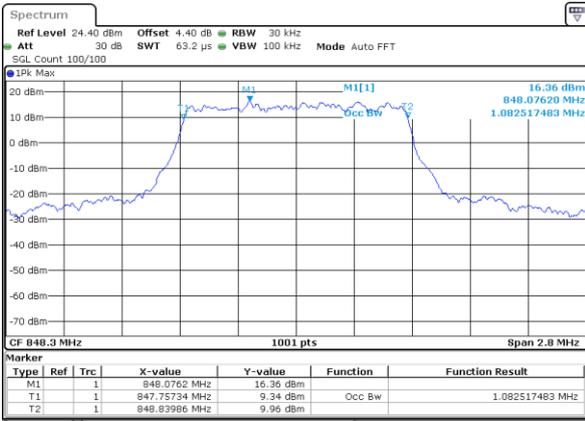
Date: 2.SEP.2019 23:42:28

Date: 2.SEP.2019 23:42:38

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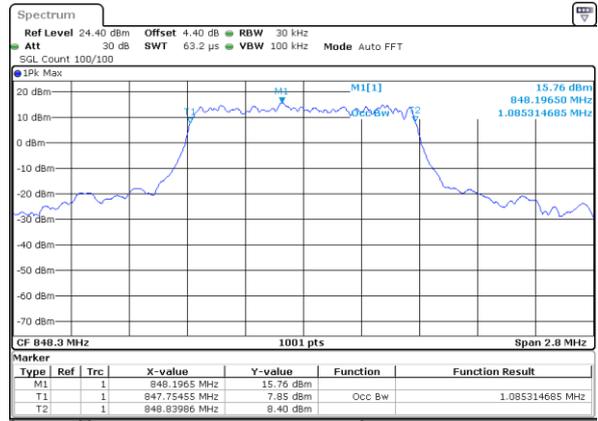
LTE Band 5
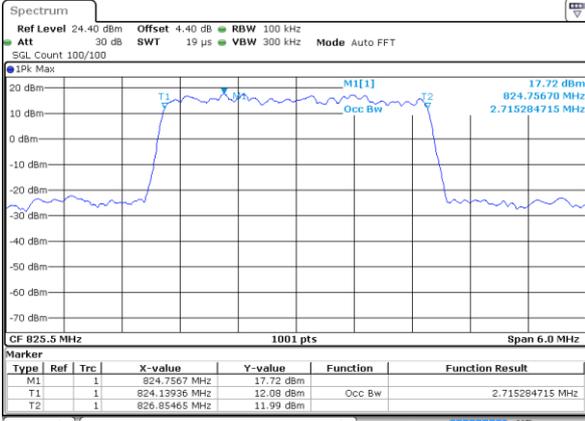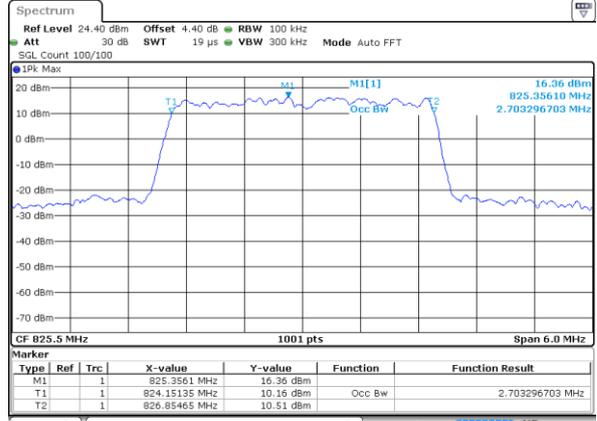
Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM
Date: 3.SEP.2019 01:54:43	Date: 3.SEP.2019 01:54:53
Middle Channel / 3MHz / QPSK	**Middle Channel / 3MHz / 16QAM**
Date: 3.SEP.2019 02:03:17	Date: 3.SEP.2019 02:03:27
Highest Channel / 3MHz / QPSK	**Highest Channel / 3MHz / 16QAM**
Date: 3.SEP.2019 02:05:24	Date: 3.SEP.2019 02:05:34
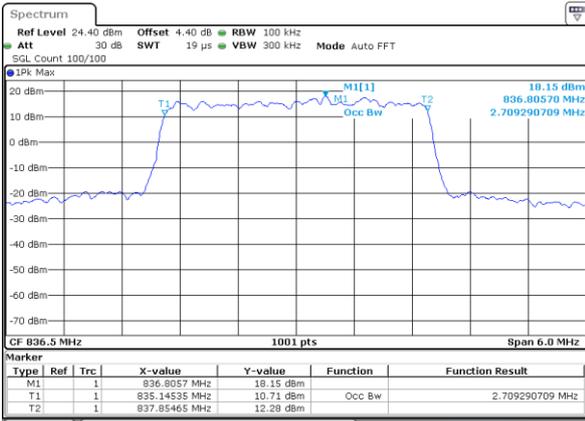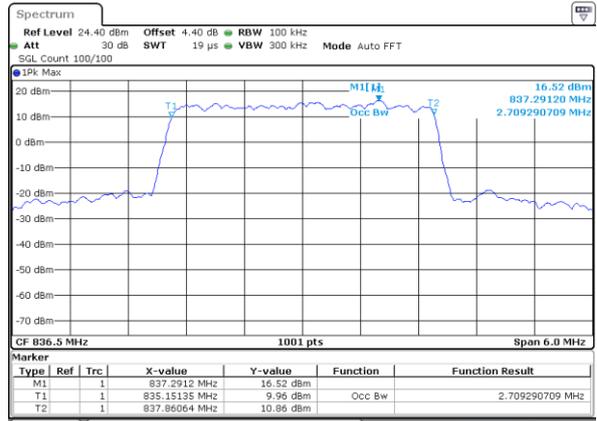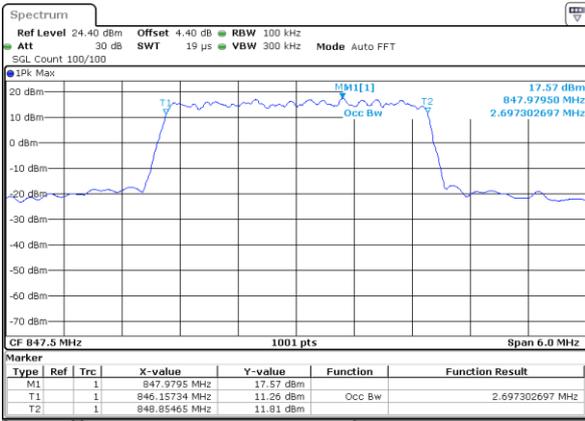
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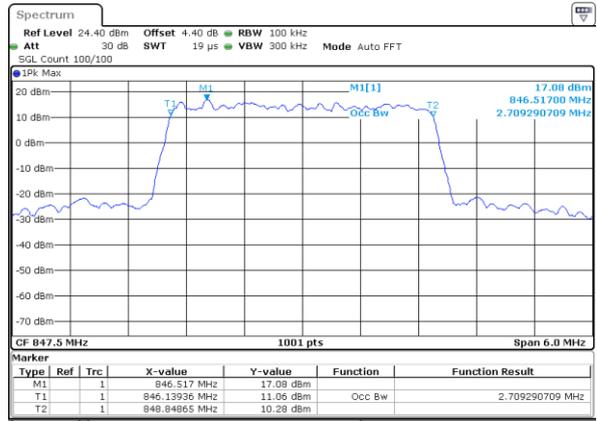
LTE Band 5
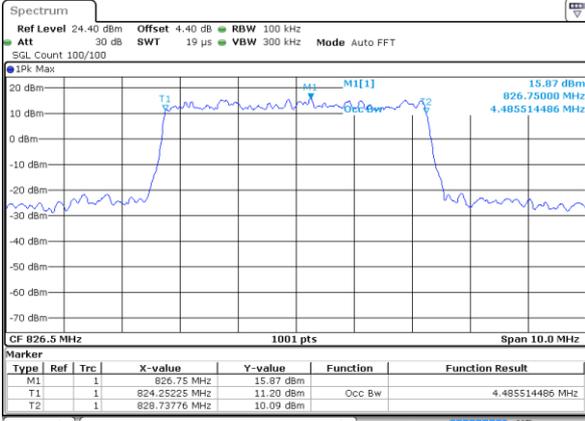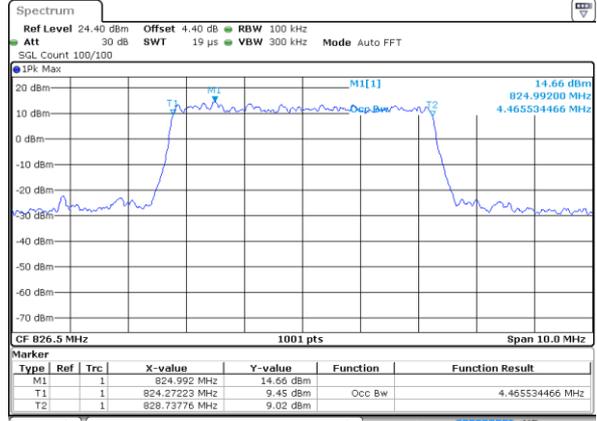
Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM
Date: 3.SEP.2019 02:15:33	Date: 3.SEP.2019 02:15:43
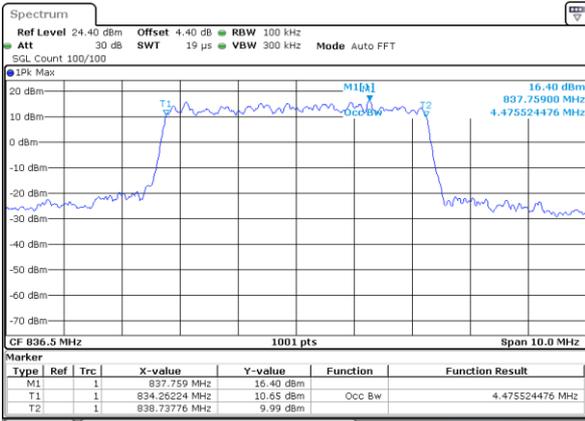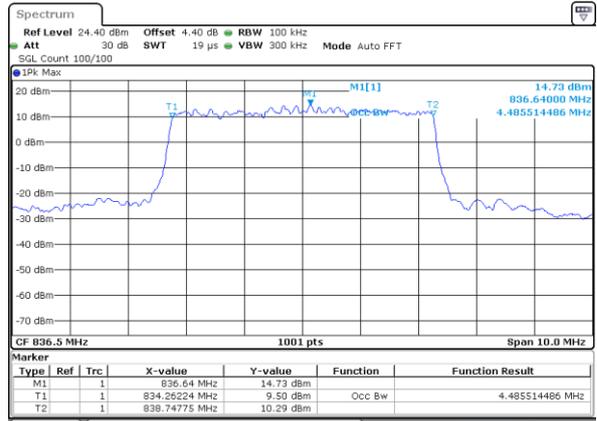
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
Date: 2.SEP.2019 23:52:55	Date: 2.SEP.2019 23:53:05

Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
Date: 2.SEP.2019 23:55:21	Date: 2.SEP.2019 23:55:31
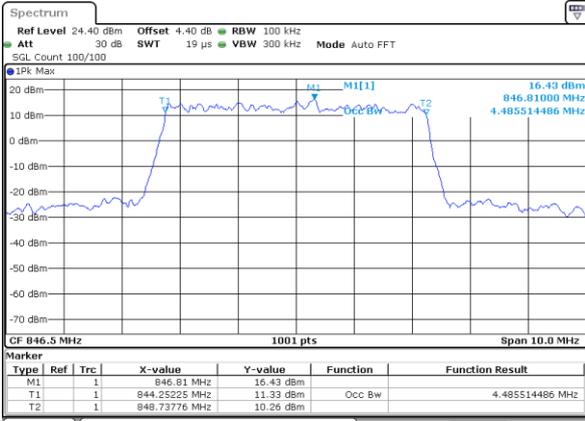
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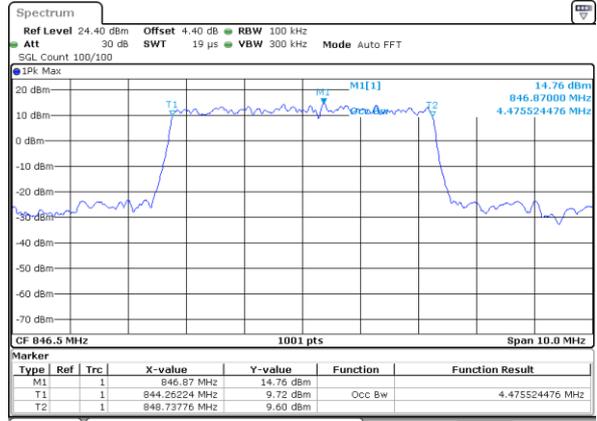
LTE Band 5

Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
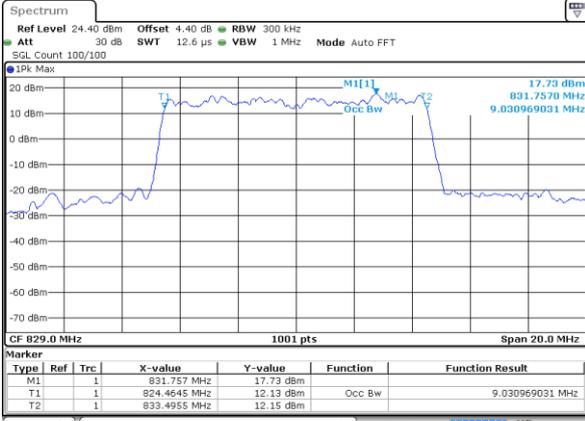
Date: 3.SEP.2019 00:04:15
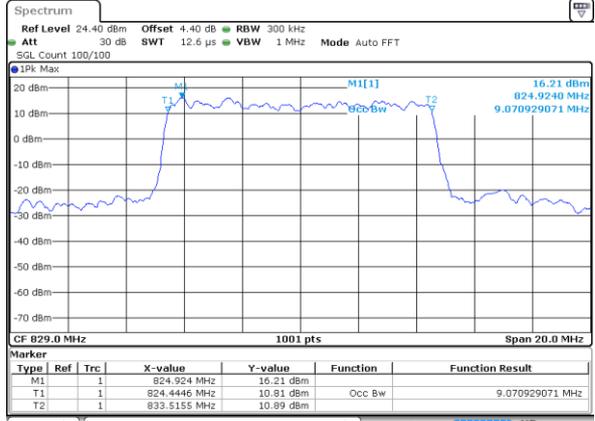
Date: 3.SEP.2019 00:04:25

Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
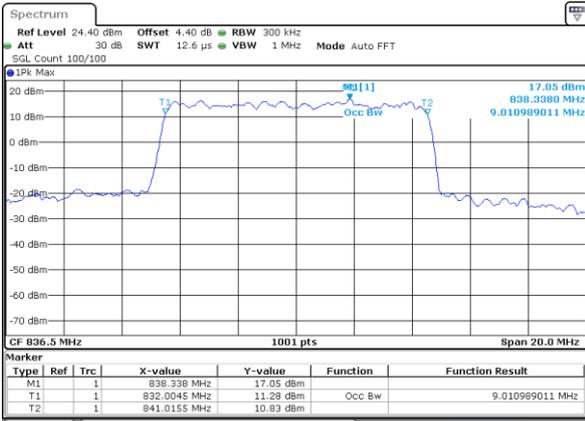
Date: 3.SEP.2019 00:13:09
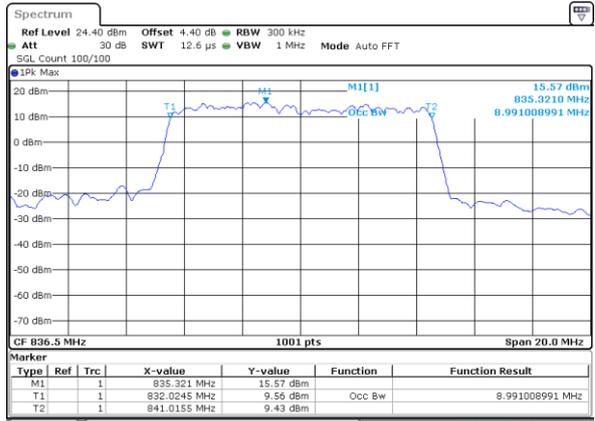
Date: 3.SEP.2019 00:13:19

Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM

Date: 3.SEP.2019 00:15:36

Date: 3.SEP.2019 00:15:46

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LTE Band 5

Lowest Channel / 1.4MHz / 64QAM	Lowest Channel / 3MHz / 64QAM

Lowest Channel / 1.4MHz / 64QAM — Date: 3.SEP.2019 00:30:24

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.6916 MHz	15.17 dBm		
T1		1	824.14615 MHz	6.22 dBm	Occ Bw	1.104895105 MHz
T2		1	825.25105 MHz	6.71 dBm		

Lowest Channel / 3MHz / 64QAM — Date: 3.SEP.2019 00:40:31

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	826.3212 MHz	16.21 dBm		
T1		1	824.15135 MHz	8.39 dBm	Occ Bw	2.703296703 MHz
T2		1	826.85465 MHz	10.13 dBm		

Middle Channel / 1.4MHz / 64QAM	Middle Channel / 3MHz / 64QAM

Middle Channel / 1.4MHz / 64QAM — Date: 3.SEP.2019 00:35:44

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	836.6902 MHz	14.61 dBm		
T1		1	835.94895 MHz	6.44 dBm	Occ Bw	1.099300699 MHz
T2		1	837.04825 MHz	6.71 dBm		

Middle Channel / 3MHz / 64QAM — Date: 3.SEP.2019 00:45:51

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	837.0814 MHz	14.70 dBm		
T1		1	835.14535 MHz	9.10 dBm	Occ Bw	2.721278721 MHz
T2		1	837.86663 MHz	9.77 dBm		

Highest Channel / 1.4MHz / 64QAM	Highest Channel / 3MHz / 64QAM

Highest Channel / 1.4MHz / 64QAM — Date: 3.SEP.2019 00:36:04

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	848.5629 MHz	14.03 dBm		
T1		1	847.75455 MHz	8.62 dBm	Occ Bw	1.090909091 MHz
T2		1	848.84545 MHz	7.79 dBm		

Highest Channel / 3MHz / 64QAM — Date: 3.SEP.2019 00:46:11

Marker					
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.4221 MHz	16.20 dBm		
T1		1	846.15734 MHz	8.88 dBm	Occ Bw	2.703296703 MHz
T2		1	848.86064 MHz	10.15 dBm		

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LTE Band 5

Lowest Channel / 5MHz / 64QAM

Date: 3.SEP.2019 00:50:38

Lowest Channel / 10MHz / 64QAM

Date: 3.SEP.2019 01:00:46

Middle Channel / 5MHz / 64QAM

Date: 3.SEP.2019 00:55:59

Middle Channel / 10MHz / 64QAM
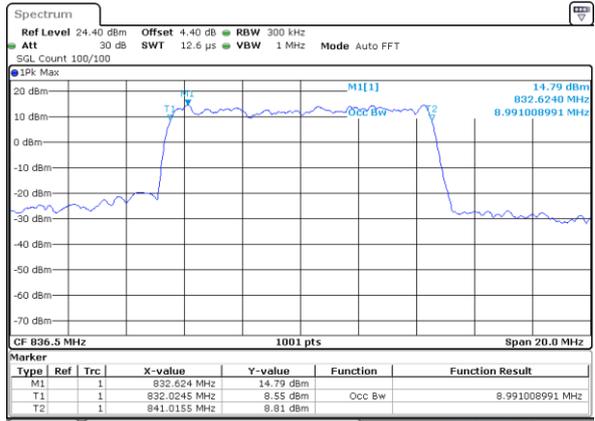
Date: 3.SEP.2019 01:06:06

Highest Channel / 5MHz / 64QAM

Date: 3.SEP.2019 00:56:19
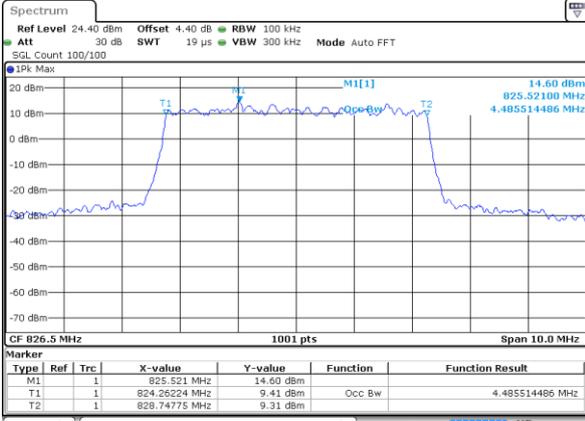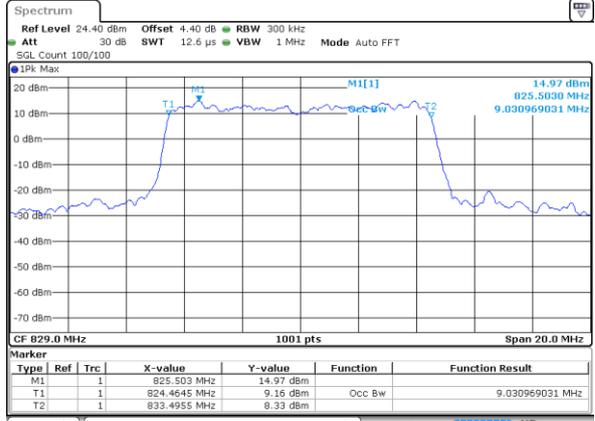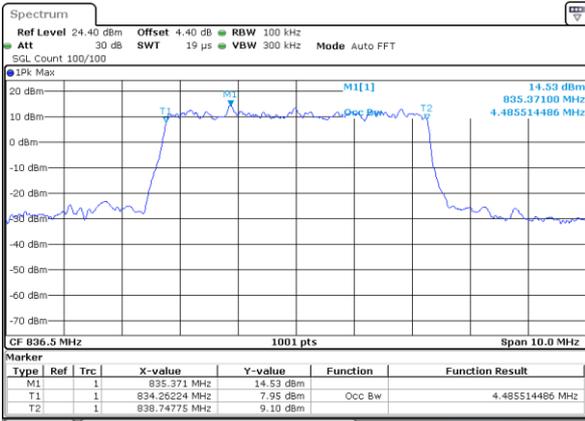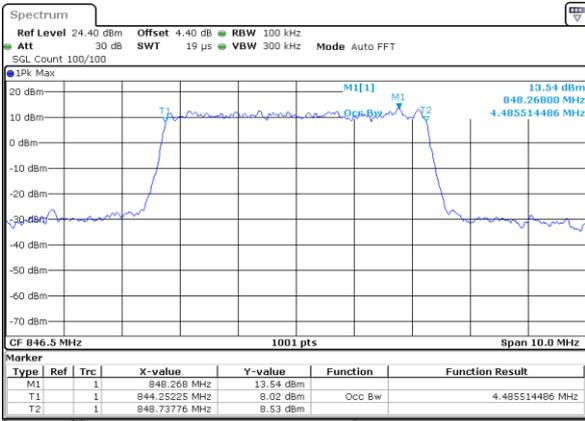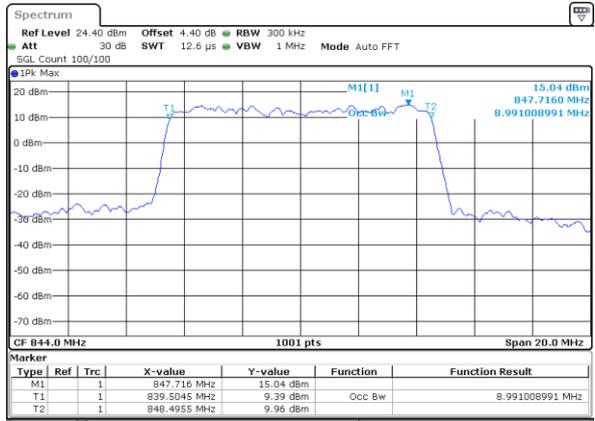
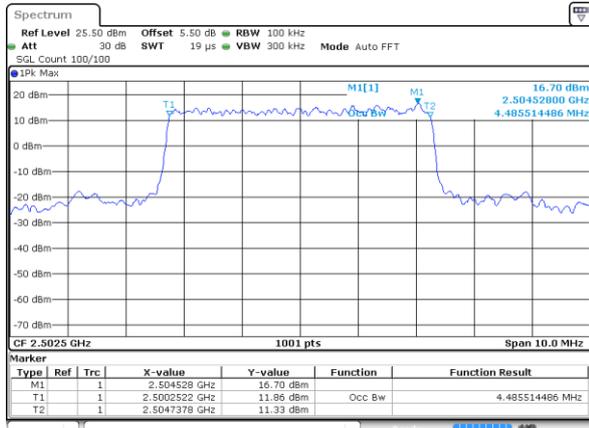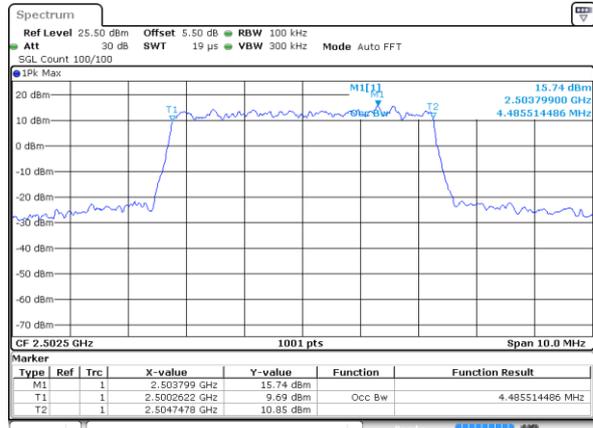### Highest Channel / 10MHz / 64QAM

Date: 3.SEP.2019 01:06:26

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LTE Band 7

Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM

Date: 1.SEP.2019 20:25:22

Date: 1.SEP.2019 20:25:42

Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
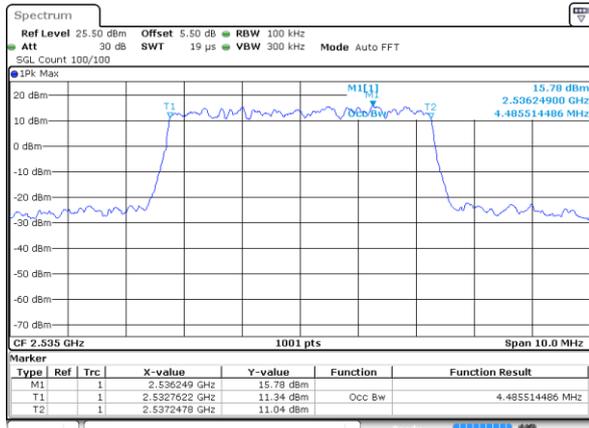
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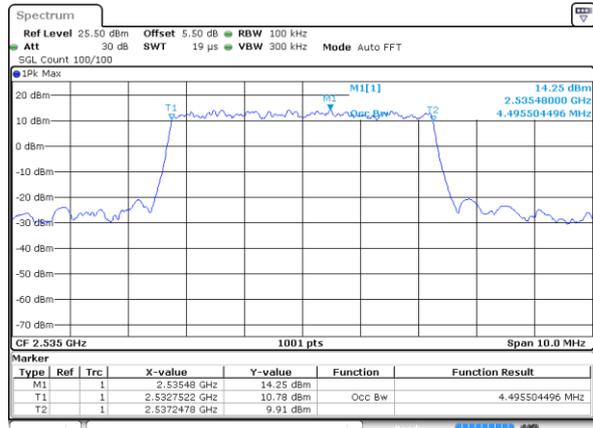
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Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
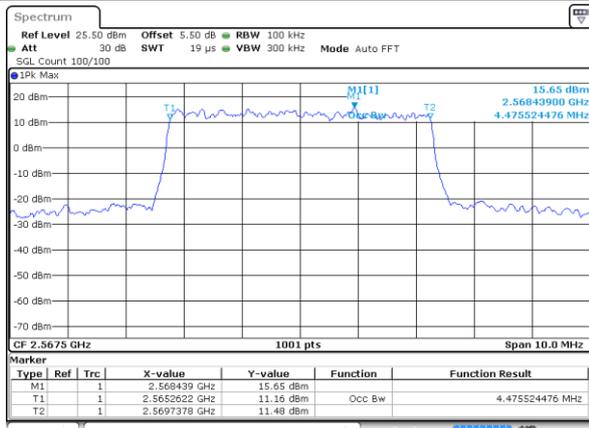
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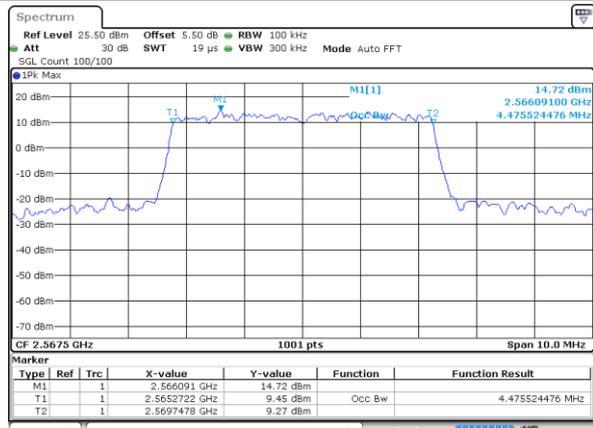
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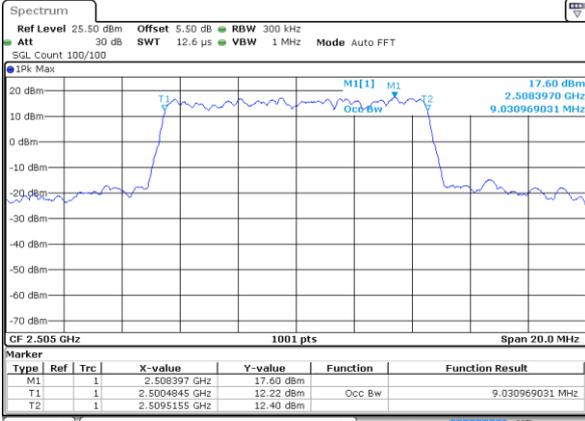
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LTE Band 7

Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM

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LTE Band 7	
Lowest Channel / 15MHz / QPSK	**Lowest Channel / 15MHz / 16QAM**

Lowest Channel / 15MHz / QPSK

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   16.41 dBm   2.5122050 GHz
Occ Bw   13.486513487 MHz
CF 2.5075 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.512205 GHz	16.41 dBm		
T1		1	2.5007268 GHz	11.20 dBm	Occ Bw	13.486513487 MHz
T2		1	2.5142133 GHz	11.27 dBm		
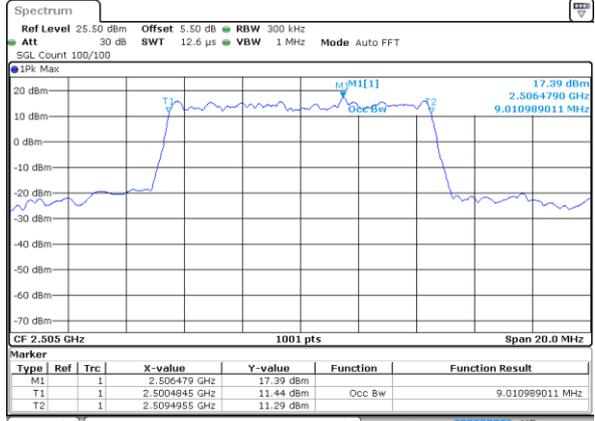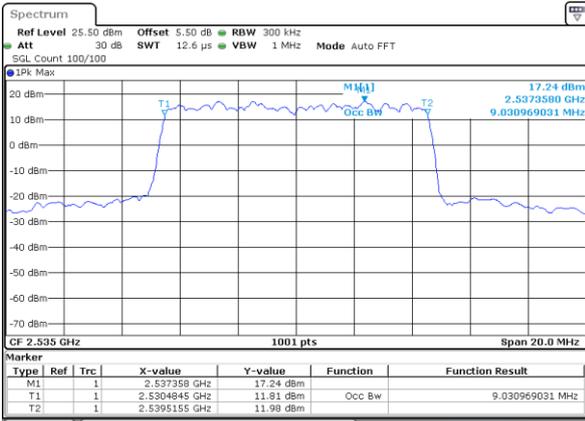
Date: 1.SEP.2019 20:58:37

Lowest Channel / 15MHz / 16QAM

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   15.39 dBm   2.5067510 GHz
Occ Bw   13.456543457 MHz
CF 2.5075 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.506751 GHz	15.39 dBm		
T1		1	2.5007567 GHz	9.48 dBm	Occ Bw	13.456543457 MHz
T2		1	2.5142133 GHz	10.30 dBm		

Date: 1.SEP.2019 20:58:17

Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**

Middle Channel / 15MHz / QPSK

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   16.28 dBm   2.5304450 GHz
Occ Bw   13.366633367 MHz
CF 2.535 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.530445 GHz	16.28 dBm		
T1		1	2.5283167 GHz	9.94 dBm	Occ Bw	13.366633367 MHz
T2		1	2.5416833 GHz	10.47 dBm		

Date: 1.SEP.2019 20:58:57

Middle Channel / 15MHz / 16QAM

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   15.73 dBm   2.5391960 GHz
Occ Bw   13.486513487 MHz
CF 2.535 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.539196 GHz	15.73 dBm		
T1		1	2.5282567 GHz	9.71 dBm	Occ Bw	13.486513487 MHz
T2		1	2.5417433 GHz	11.03 dBm		
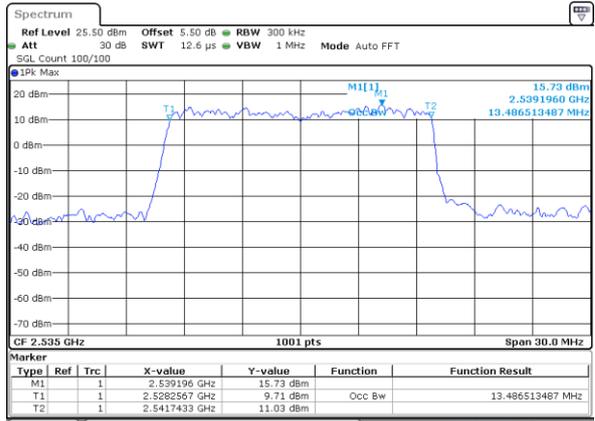
Date: 1.SEP.2019 20:59:17

Highest Channel / 15MHz / QPSK	**Highest Channel / 15MHz / 16QAM**

Highest Channel / 15MHz / QPSK

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   16.09 dBm   2.5577650 GHz
Occ Bw   13.516483516 MHz
CF 2.5625 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.557765 GHz	16.09 dBm		
T1		1	2.5557268 GHz	10.58 dBm	Occ Bw	13.516483516 MHz
T2		1	2.5692433 GHz	10.49 dBm		

Date: 1.SEP.2019 20:59:57

Highest Channel / 15MHz / 16QAM

Spectrum
Ref Level 25.50 dBm   Offset 5.50 dB   RBW 300 kHz
Att   30 dB   SWT 12.6 µs   VBW 1 MHz   Mode Auto FFT
SGL Count 100/100
1Pk Max
M1[1]   15.58 dBm   2.5571650 GHz
Occ Bw   13.426573427 MHz
CF 2.5625 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.557165 GHz	15.58 dBm		
T1		1	2.5557867 GHz	10.60 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5692133 GHz	10.27 dBm		

Date: 1.SEP.2019 20:59:37

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Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
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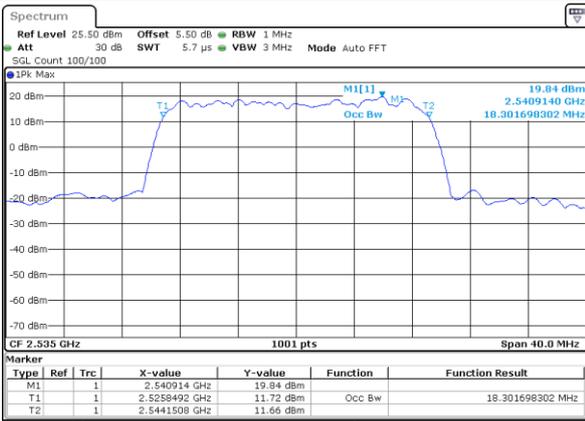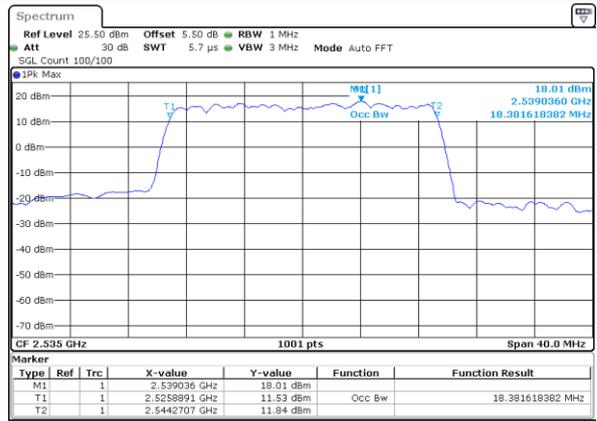
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Date: 1.SEP.2019 21:15:25	Date: 1.SEP.2019 21:15:45

Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM
Date: 1.SEP.2019 21:16:24	Date: 1.SEP.2019 21:16:05
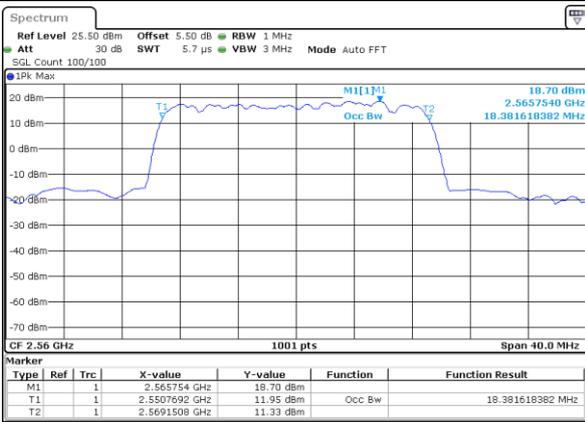
Sporton International (Kunshan) Inc.
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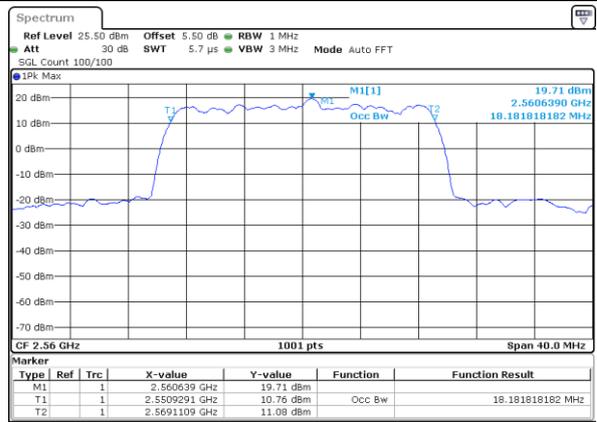
LTE Band 7

Lowest Channel / 5MHz / 64QAM	Lowest Channel / 10MHz / 64QAM
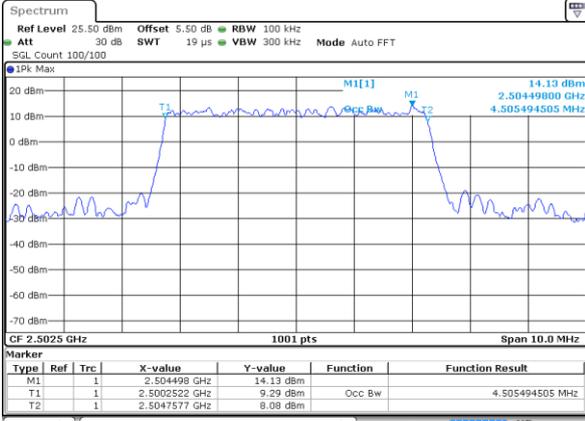
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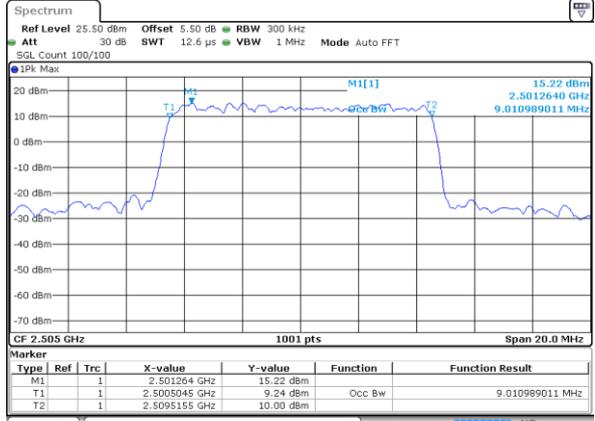
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Middle Channel / 5MHz / 64QAM	Middle Channel / 10MHz / 64QAM
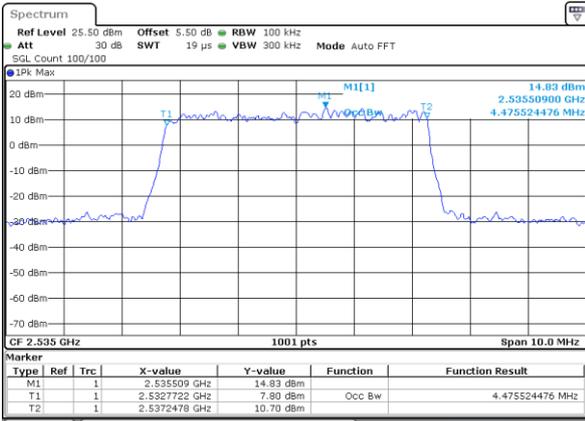
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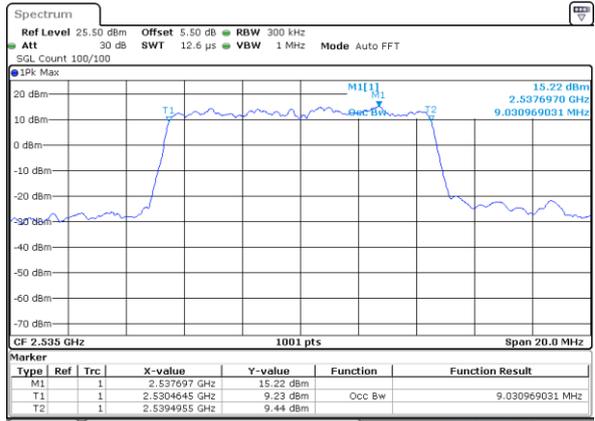
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Highest Channel / 5MHz / 64QAM	Highest Channel / 10MHz / 64QAM
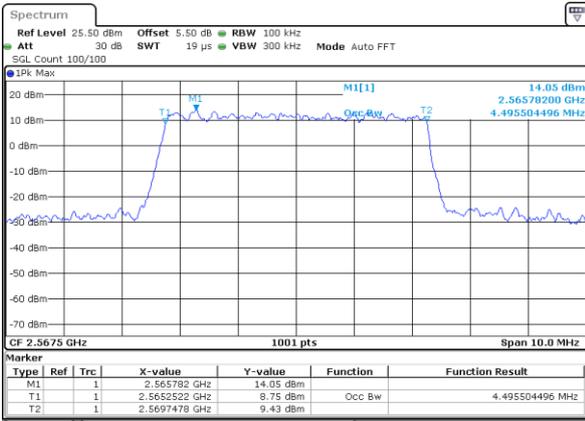
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Date: 1.SEP.2019 21:39:47

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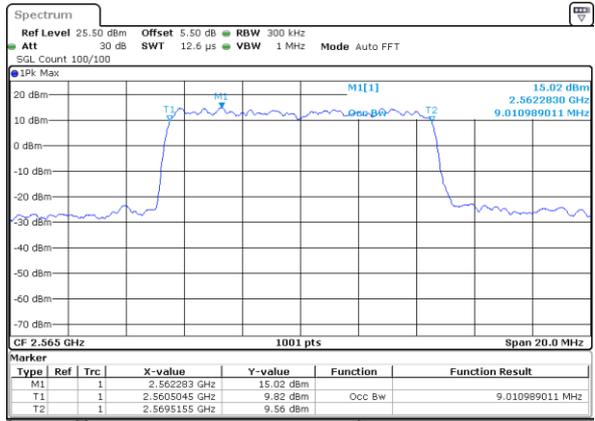
LTE Band 7
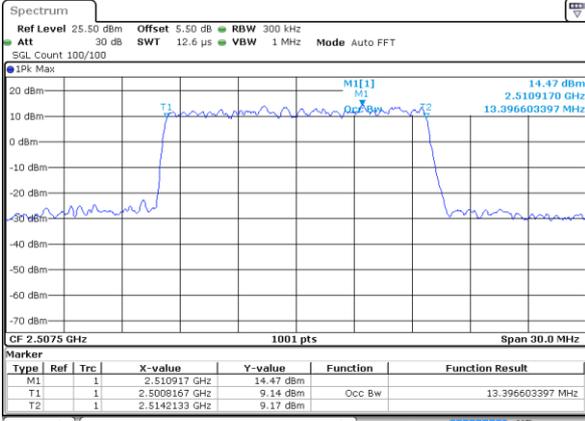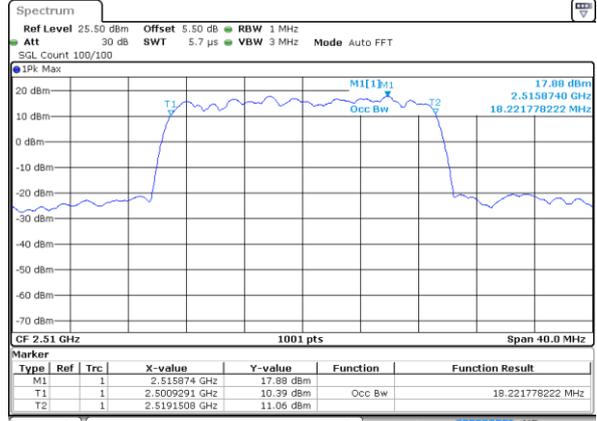
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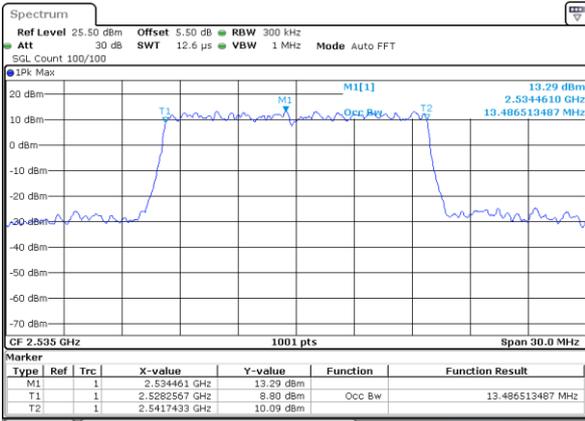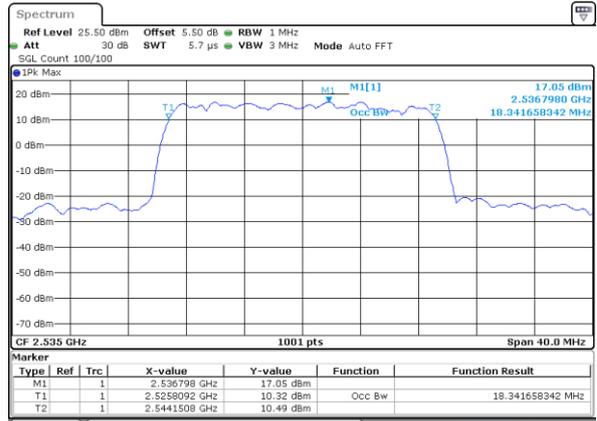
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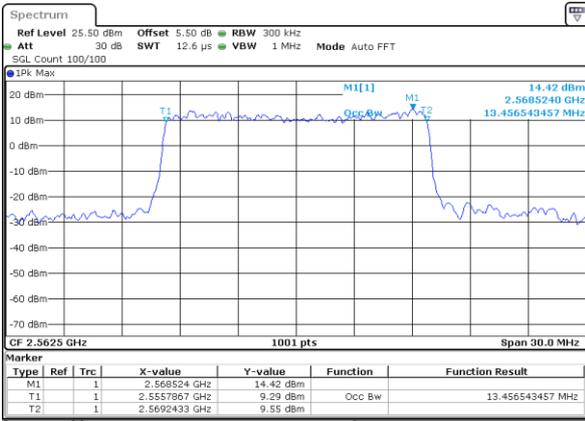
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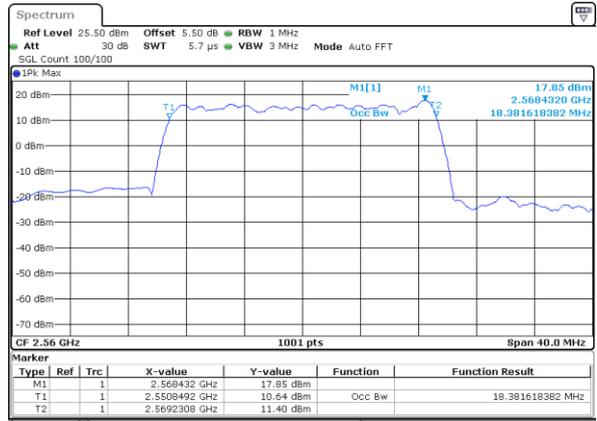
LTE Band 38

Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM
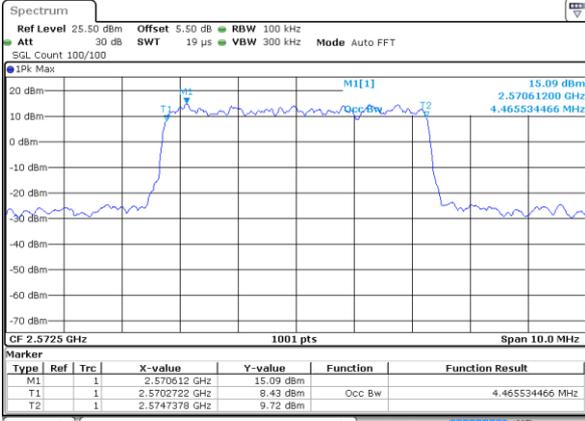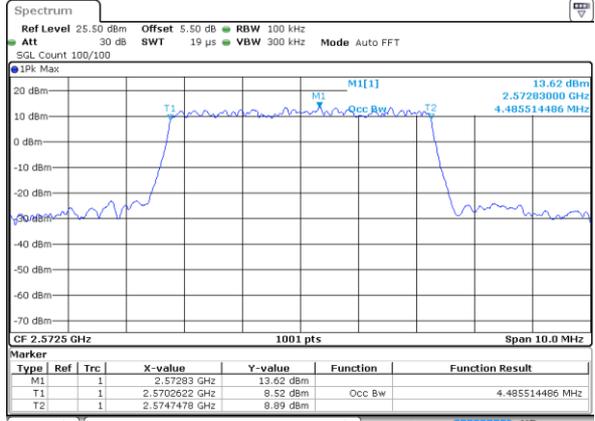
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM

Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM

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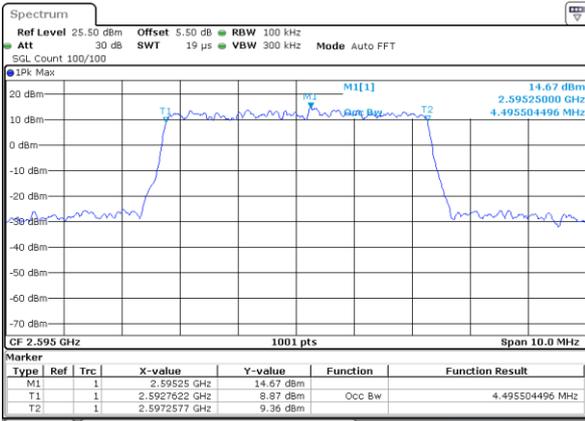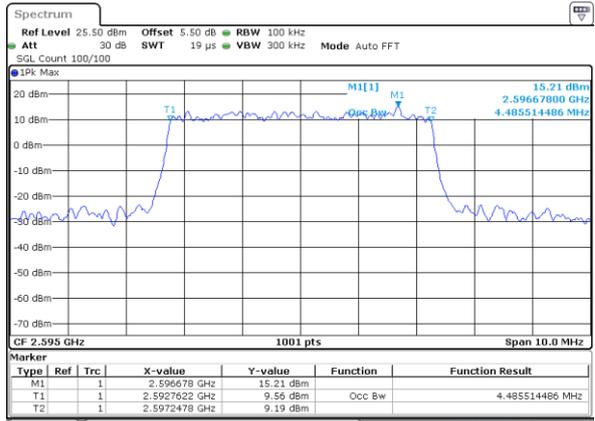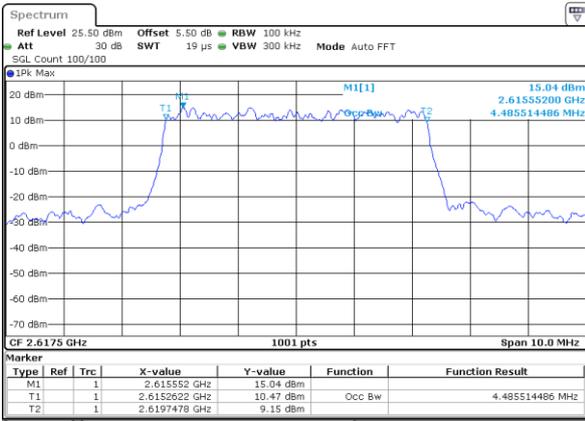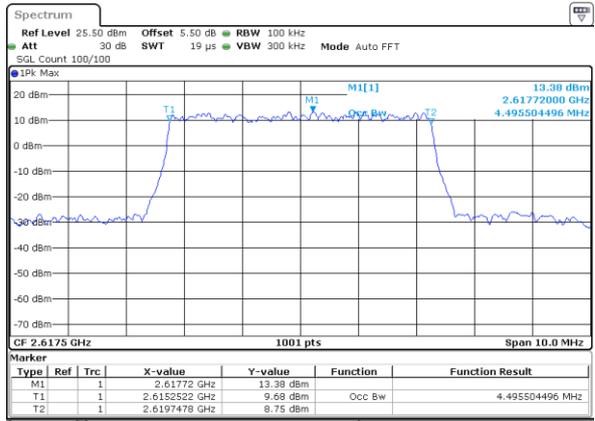
LTE Band 38

Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
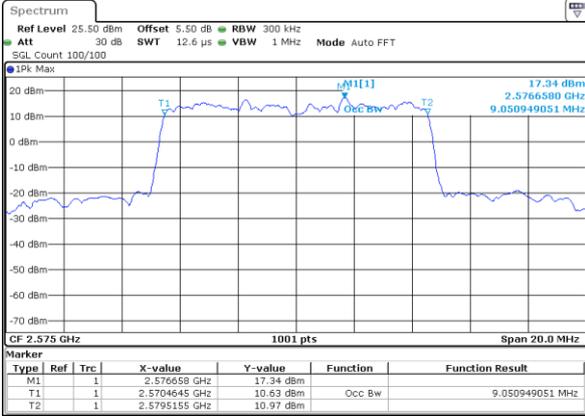
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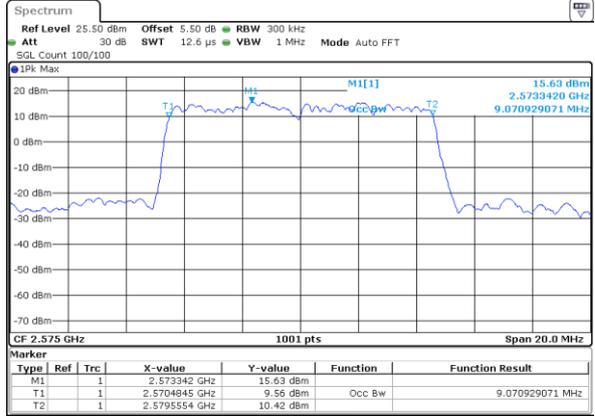
Date: 4.SEP.2019 20:32:19

Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
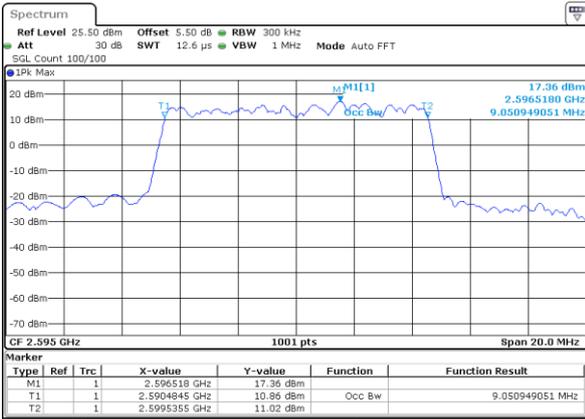
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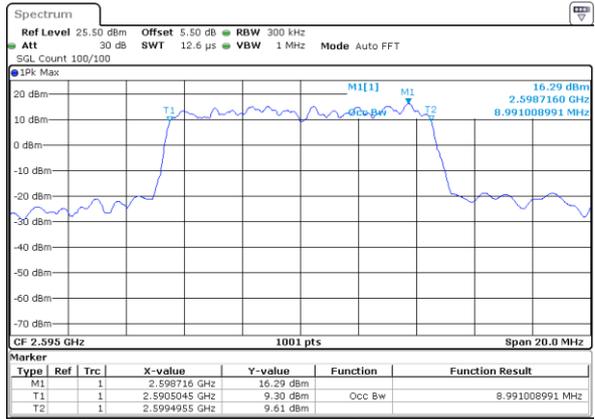
Date: 4.SEP.2019 20:32:58

Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
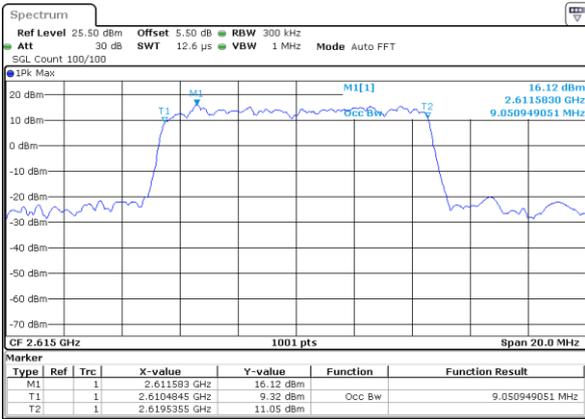
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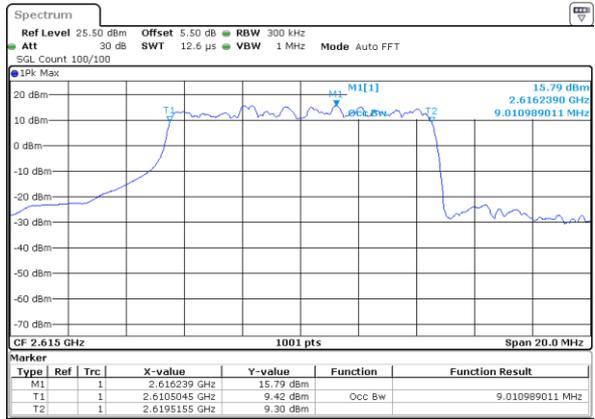
Date: 4.SEP.2019 20:33:38

LTE Band 38

Lowest Channel / 15MHz / QPSK	Lowest Channel / 15MHz / 16QAM
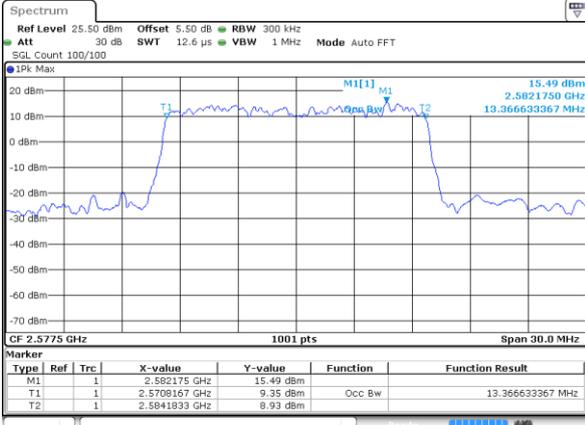
Date: 4.SEP.2019 20:34:08
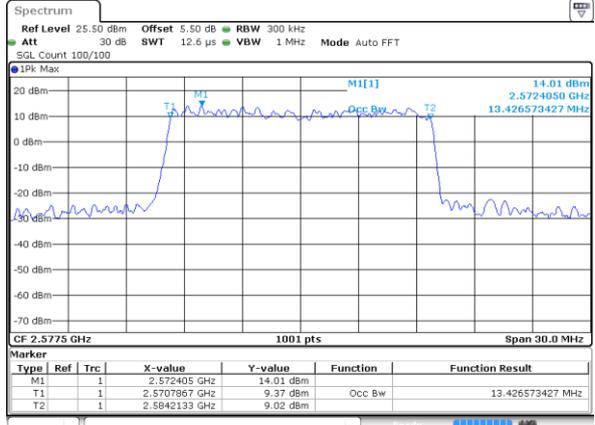
Date: 4.SEP.2019 20:34:18

Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM
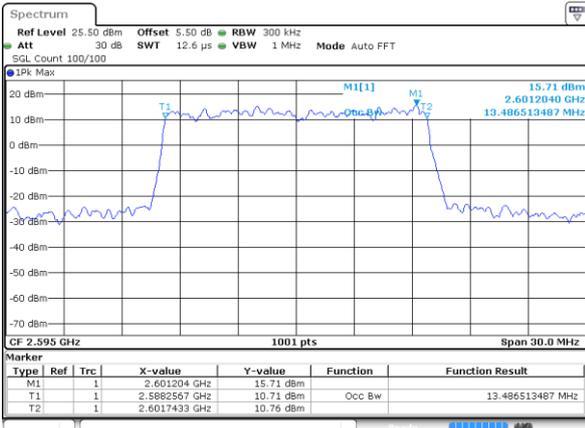
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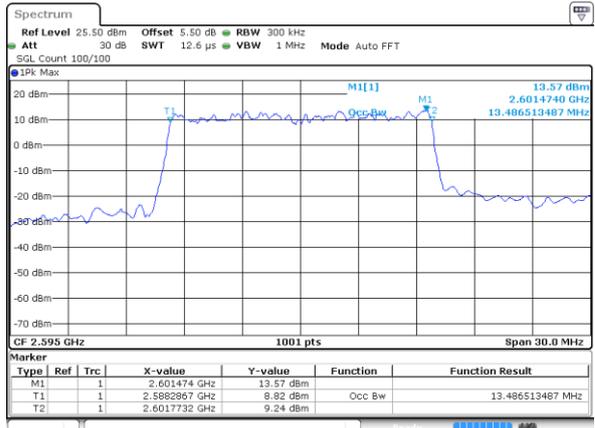
Date: 4.SEP.2019 20:34:57

Highest Channel / 15MHz / QPSK	Highest Channel / 15MHz / 16QAM
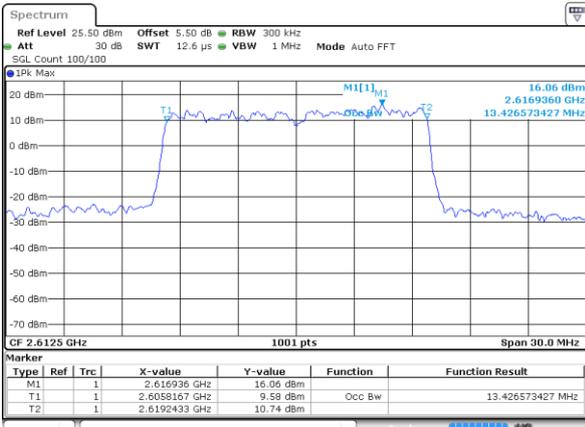
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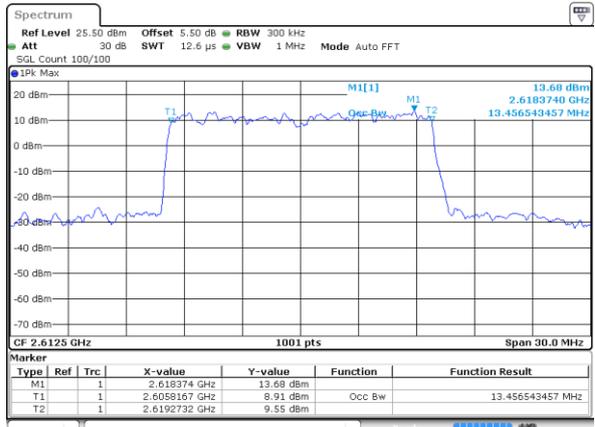
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LTE Band 38
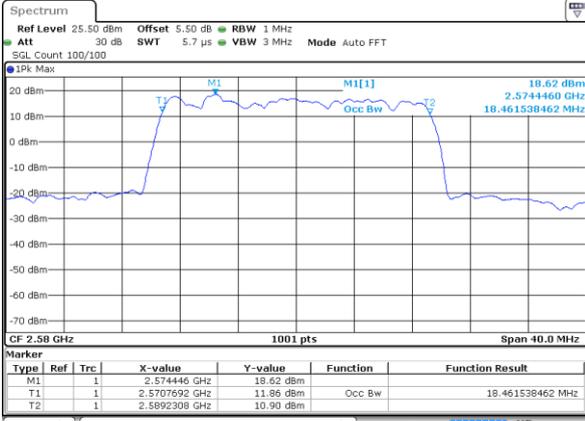
Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
Date: 4.SEP.2019 20:36:07	Date: 4.SEP.2019 20:36:16
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
Date: 4.SEP.2019 20:36:46	Date: 4.SEP.2019 20:36:56
Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**
Date: 4.SEP.2019 20:37:26	Date: 4.SEP.2019 20:37:36
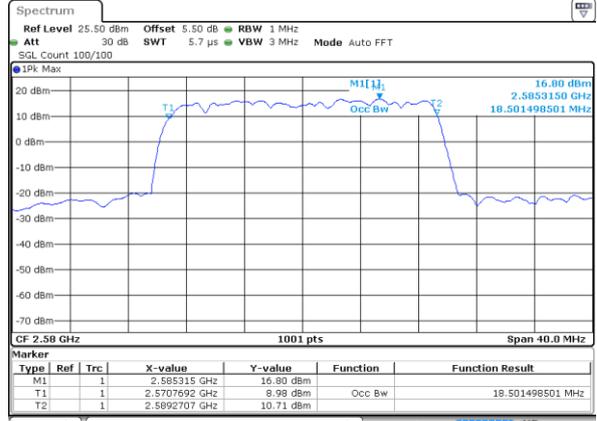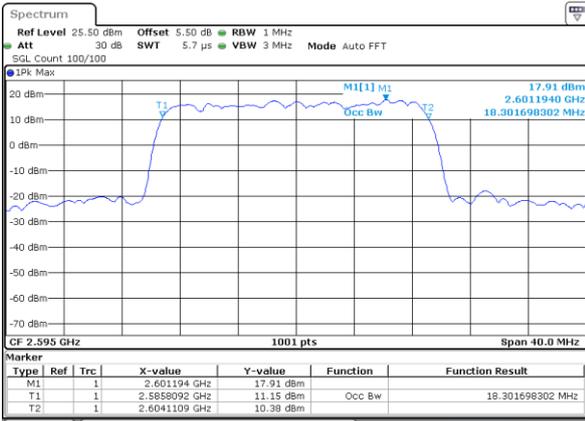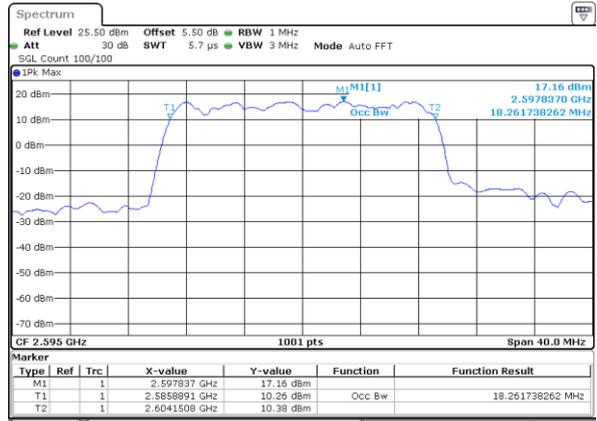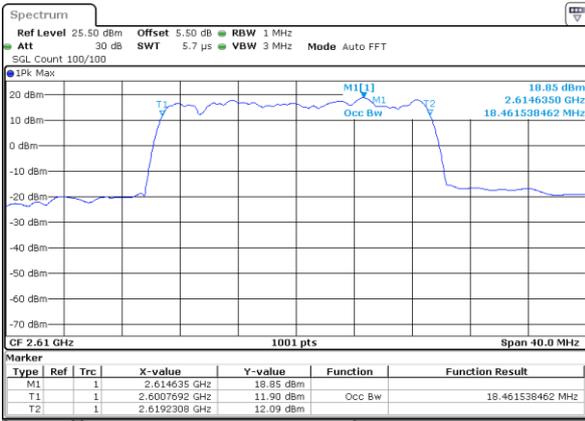
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FCC ID : O57TB8505X

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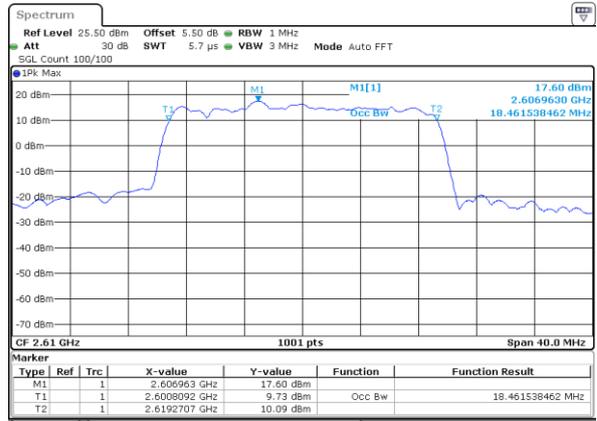
LTE Band 38
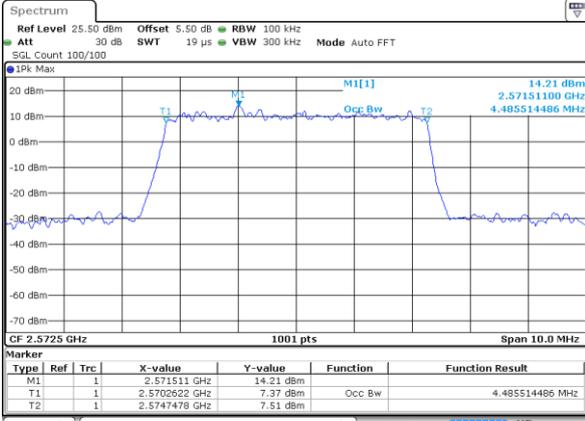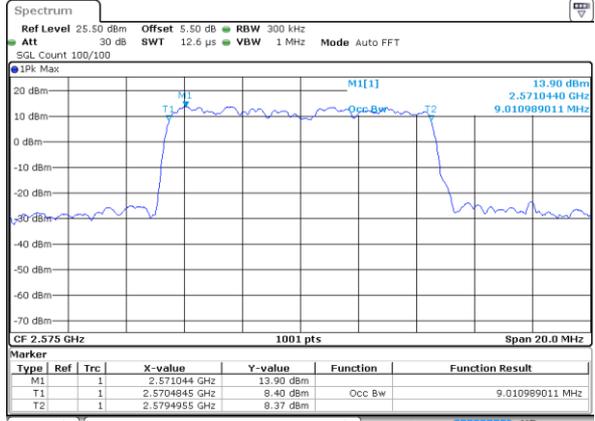
Lowest Channel / 5MHz / 64QAM	Lowest Channel / 10MHz / 64QAM
Date: 4.SEP.2019 20:38:05	Date: 4.SEP.2019 20:39:05
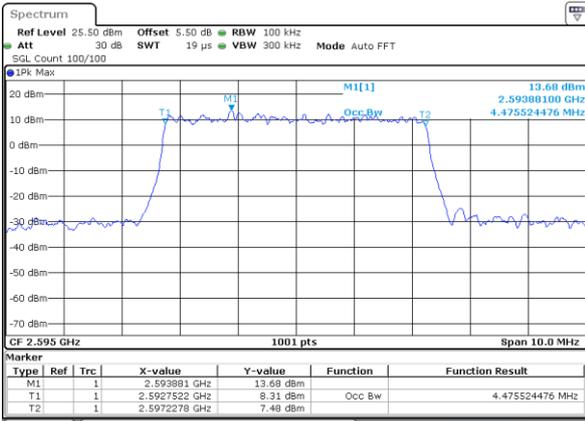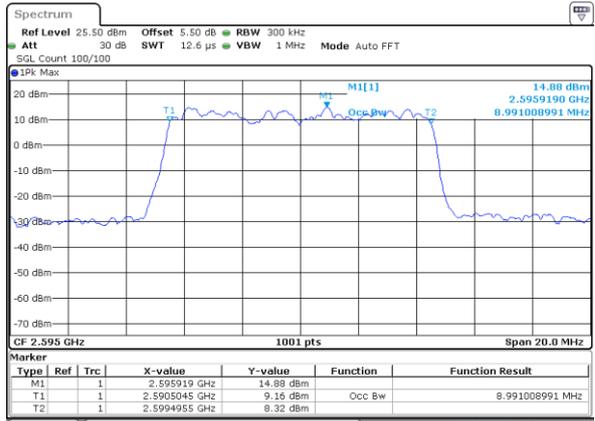
Middle Channel / 5MHz / 64QAM	Middle Channel / 10MHz / 64QAM
Date: 4.SEP.2019 20:38:25	Date: 4.SEP.2019 20:39:25

Highest Channel / 5MHz / 64QAM	Highest Channel / 10MHz / 64QAM
Date: 4.SEP.2019 20:38:45	Date: 4.SEP.2019 20:39:44

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