LTE Band 26

Lowest Channel / 1.4MHz / QPSK	Lowest Channel / 1.4MHz / 16QAM

Date: 8.AUG.2017 09:15:54

Date: 8.AUG.2017 09:34:05

Middle Channel / 1.4MHz / QPSK	Middle Channel / 1.4MHz / 16QAM
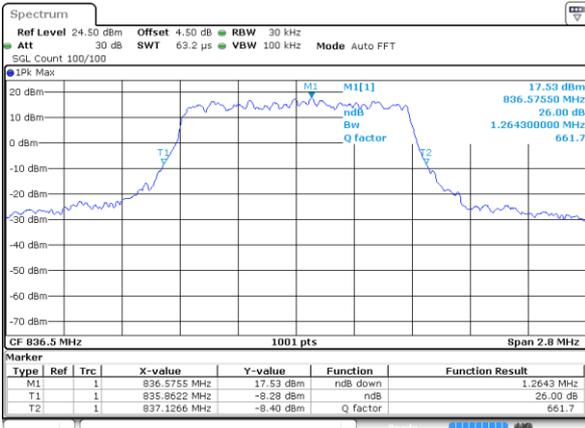
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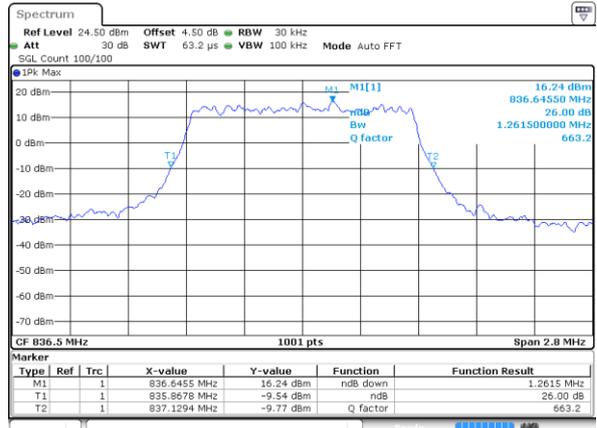
Date: 8.AUG.2017 09:34:26

Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM
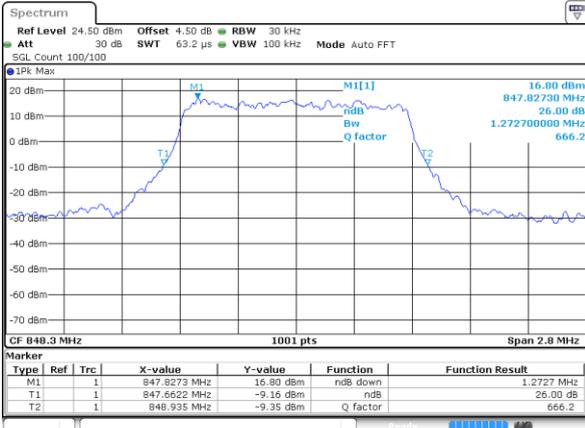
Date: 8.AUG.2017 09:35:06

Date: 8.AUG.2017 09:35:26

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FCC ID : SRQ-N9517

Page Number : A78 of A248
Report Issued Date : Sep. 06, 2017
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
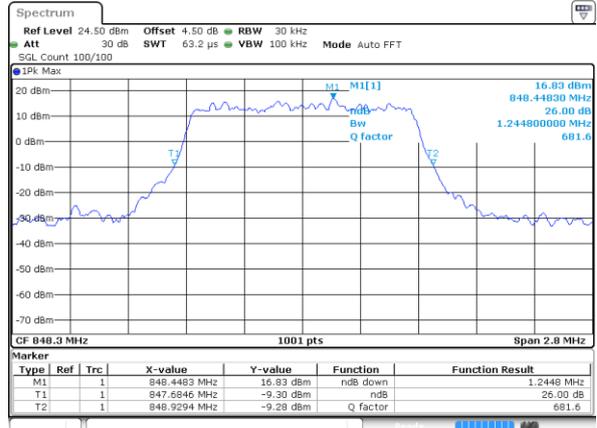
LTE Band 26	
Lowest Channel / 3MHz / QPSK	**Lowest Channel / 3MHz / 16QAM**
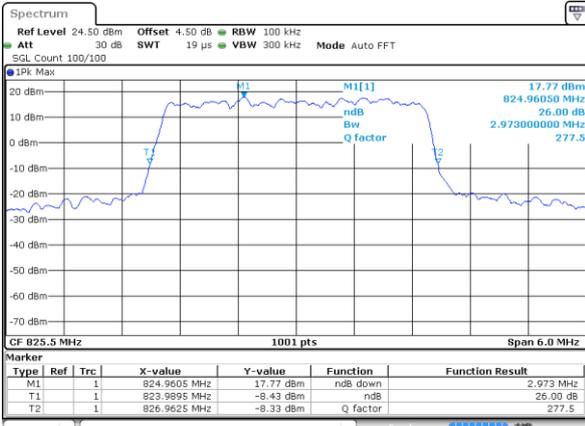
Date: 8.AUG.2017 10:37:03
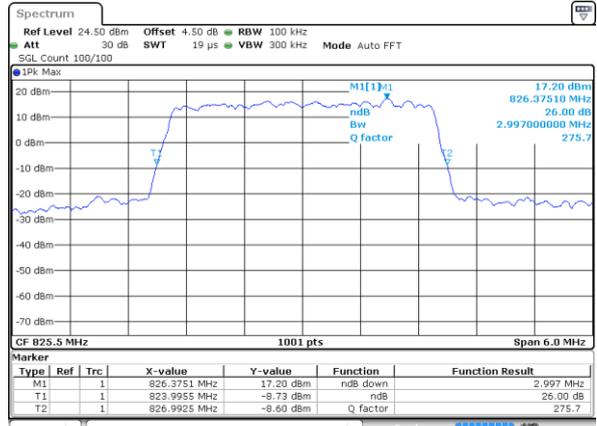
Date: 8.AUG.2017 10:37:25

Middle Channel / 3MHz / QPSK	**Middle Channel /3MHz / 16QAM**
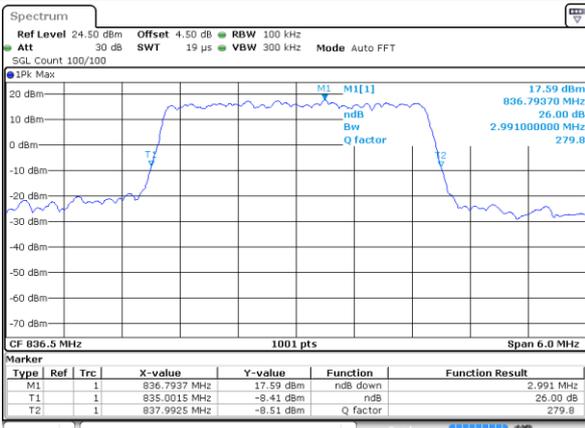
Date: 8.AUG.2017 10:38:05
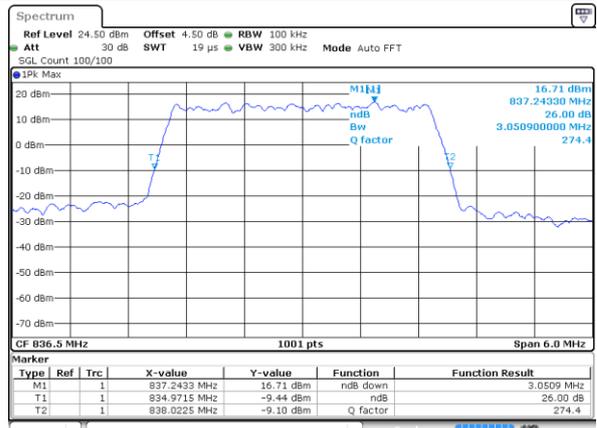
Date: 8.AUG.2017 10:37:46

Highest Channel /3MHz / QPSK	**Highest Channel /3MHz / 16QAM**
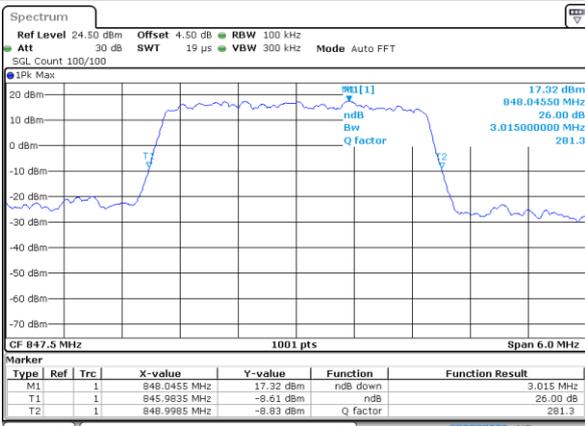
Date: 8.AUG.2017 10:38:25

Date: 8.AUG.2017 10:38:46

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FCC ID : SRQ-N9517

Page Number   : A79 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
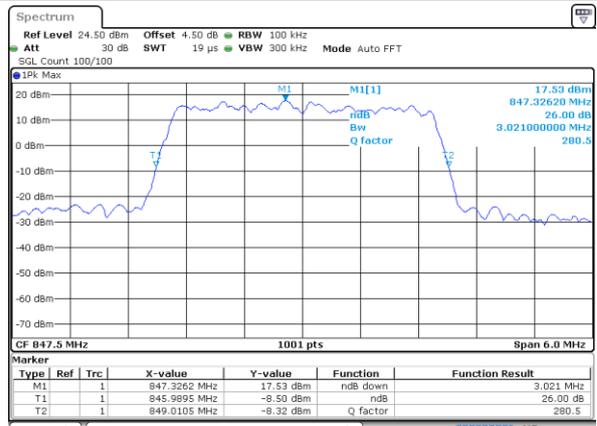
LTE Band 26

Lowest Channel / 5MHz / QPSK	Lowest Channel / 5MHz / 16QAM
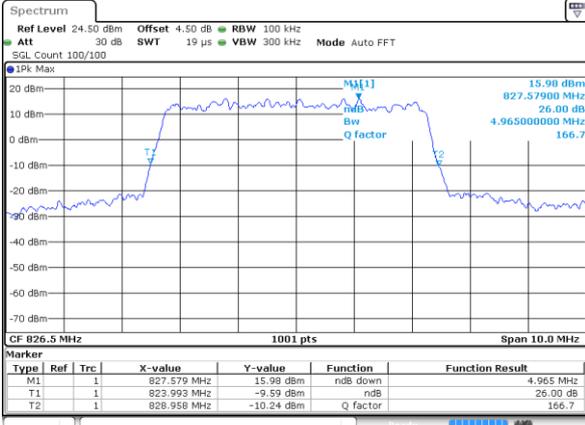
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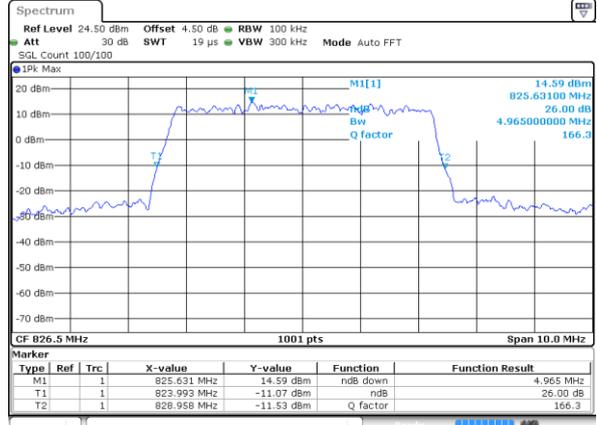
Date: 8.AUG.2017 10:39:35

Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
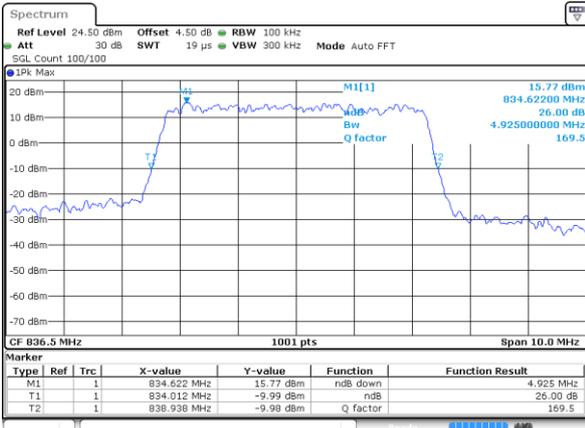
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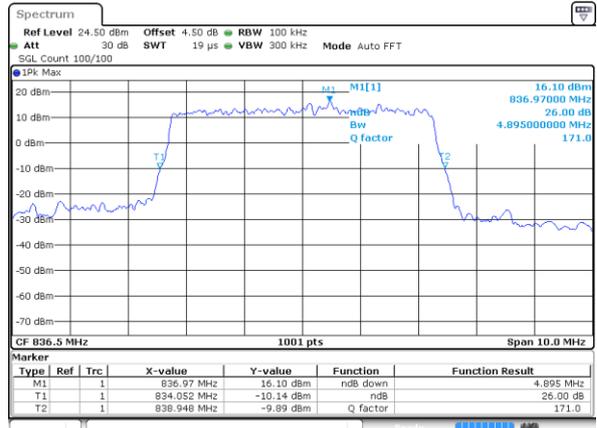
Date: 8.AUG.2017 10:39:58

Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
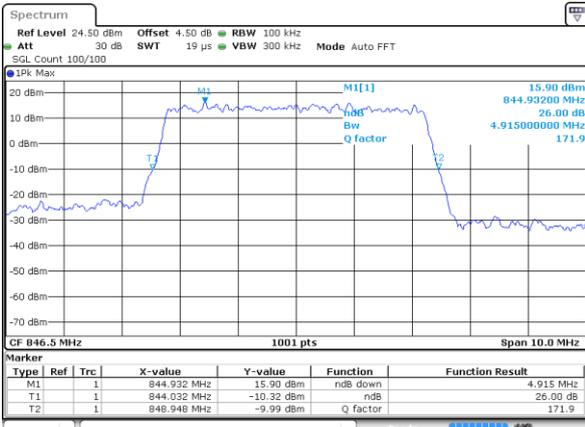
Date: 8.AUG.2017 10:40:43

Date: 8.AUG.2017 10:41:12

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Page Number   : A80 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
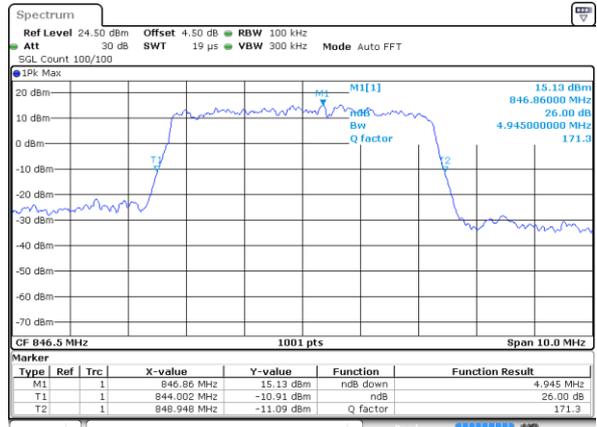
LTE Band 26

Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
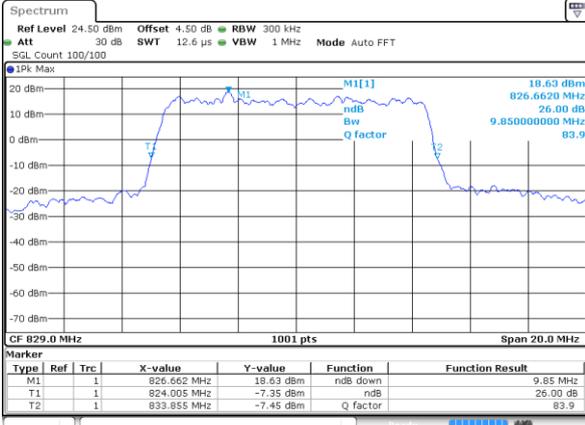
Date: 8.AUG.2017 10:41:44
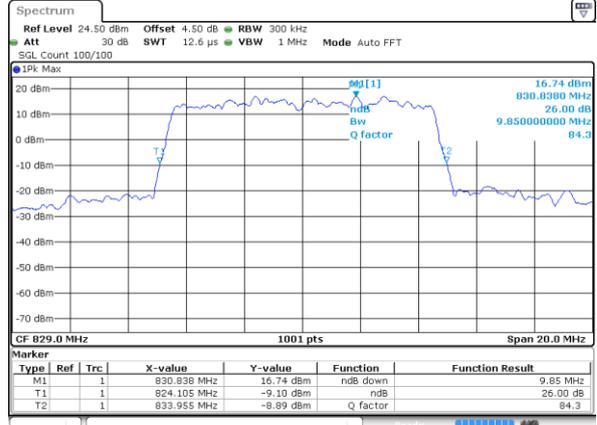
Date: 8.AUG.2017 10:42:05

Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
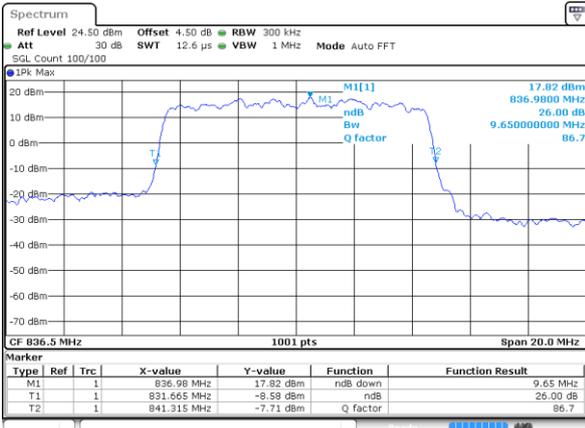
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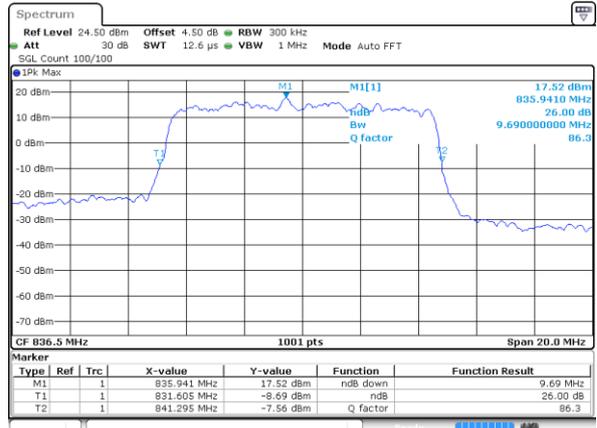
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Highest Channel / 10MHz / QPSK	Highest Channel / 10MHz / 16QAM
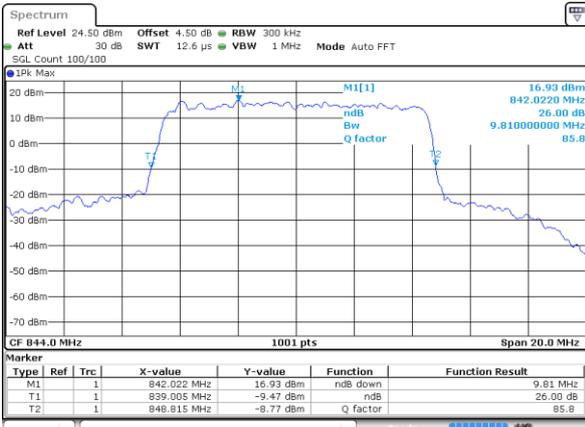
Date: 8.AUG.2017 10:43:20

Date: 8.AUG.2017 10:43:40

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Page Number   : A81 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
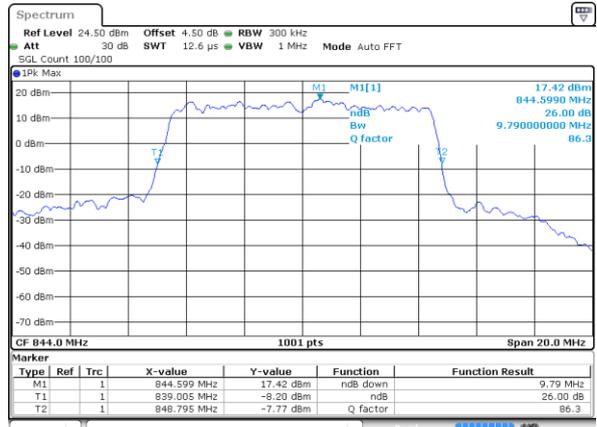
LTE Band 26

Lowest Channel / 15MHz / QPSK	Lowest Channel / 15MHz / 16QAM
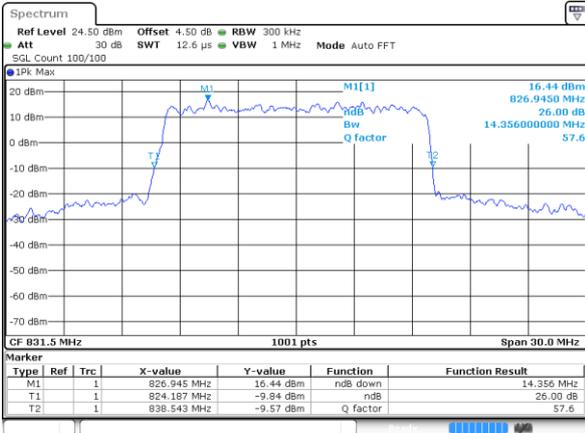
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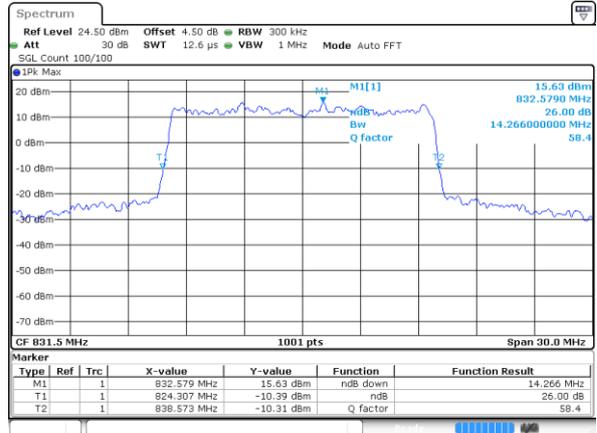
Date: 8.AUG.2017 10:44:40

Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM
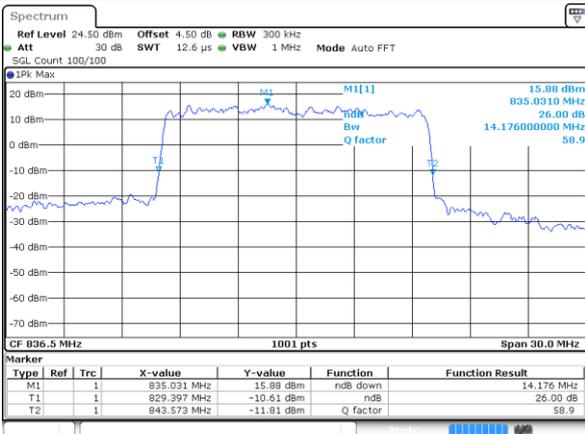
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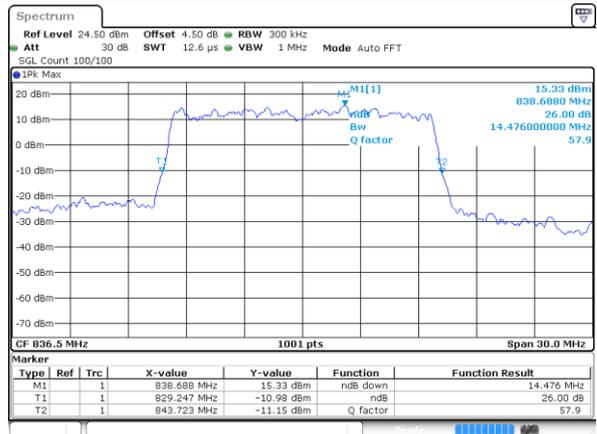
Date: 8.AUG.2017 10:46:53

Highest Channel / 15MHz / QPSK	Highest Channel / 15MHz / 16QAM
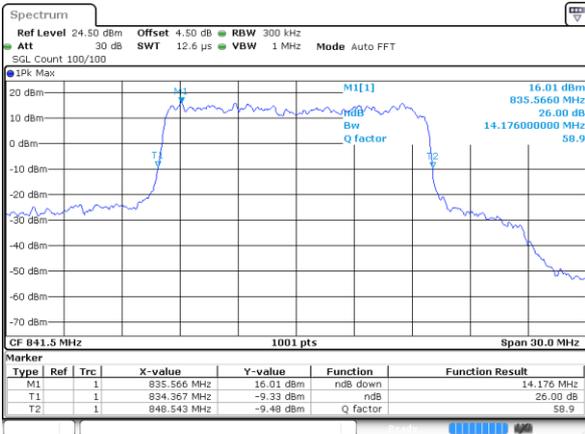
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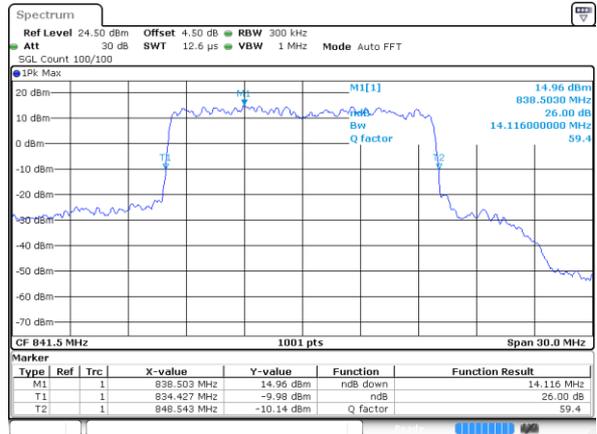
Date: 8.AUG.2017 10:47:59

LTE Band 26	
CH26765 / 15MHz / QPSK	**CH26765 / 15MHz / 16QAM**

Spectrum

Ref Level 24.30 dBm Offset 4.30 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]	15.96 dBm
		818.2030 MHz
	ndB	26.00 dB
	Bw	14.386000000 MHz
	Q factor	56.9

CF 821.5 MHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	818.203 MHz	15.96 dBm	ndB down	14.386 MHz
T1		1	814.187 MHz	-10.46 dBm	ndB	26.00 dB
T2		1	828.573 MHz	-11.10 dBm	Q factor	56.9

Date: 7.AUG.2017 20:06:24

Spectrum

Ref Level 24.30 dBm Offset 4.30 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]	16.25 dBm
		825.6960 MHz
	ndB	26.00 dB
	Bw	14.356000000 MHz
	Q factor	57.5

CF 821.5 MHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	825.696 MHz	16.25 dBm	ndB down	14.356 MHz
T1		1	814.457 MHz	-9.57 dBm	ndB	26.00 dB
T2		1	828.813 MHz	-10.18 dBm	Q factor	57.5

Date: 7.AUG.2017 20:06:47

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FCC ID : SRQ-N9517

Page Number   : A83 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 41

Lowest Channel / 5MHz / QPSK

Date: 11.AUG.2017 11:32:09

Lowest Channel / 5MHz / 16QAM

Date: 11.AUG.2017 11:46:50

Middle Channel / 5MHz / QPSK

Date: 11.AUG.2017 11:32:52

Middle Channel / 5MHz / 16QAM

Date: 11.AUG.2017 11:33:02

Highest Channel / 5MHz / QPSK

Date: 11.AUG.2017 11:33:34

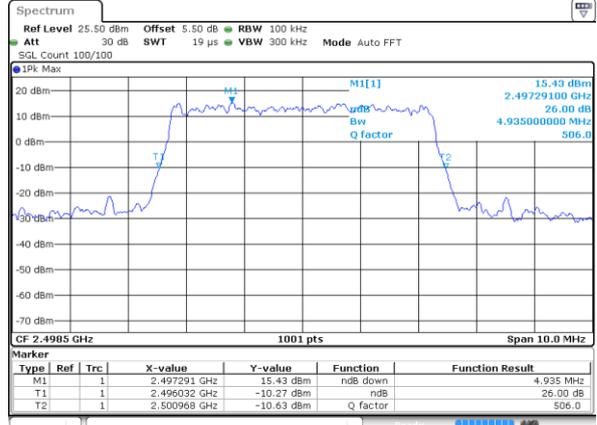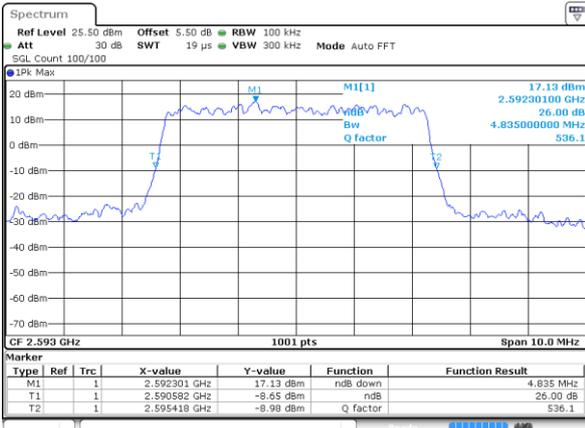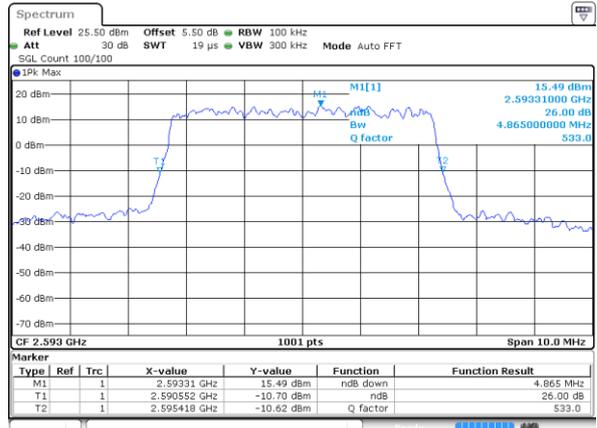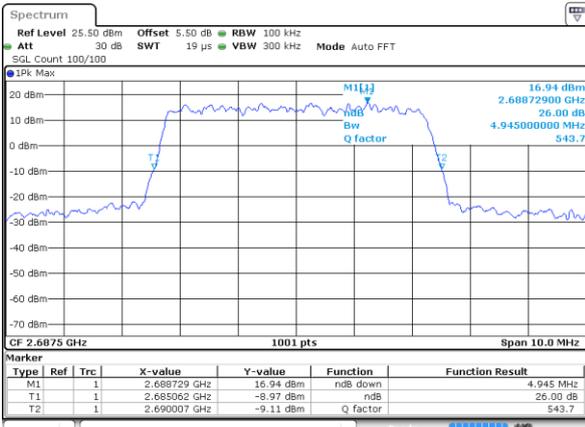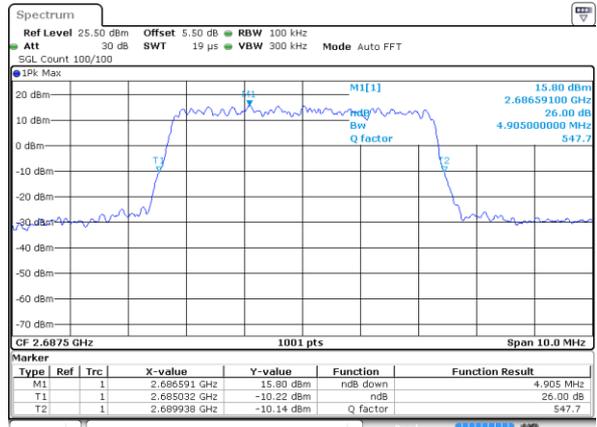### Highest Channel / 5MHz / 16QAM

Date: 11.AUG.2017 11:33:45
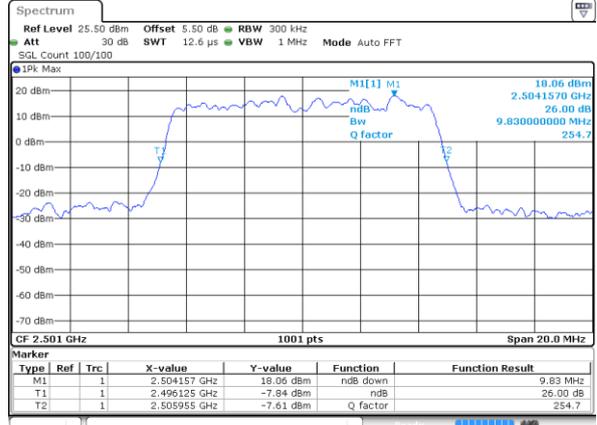
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FCC ID : SRQ-N9517

Page Number : A84 of A248
Report Issued Date : Sep. 06, 2017
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 41	
Lowest Channel / 10MHz / QPSK	**Lowest Channel / 10MHz / 16QAM**
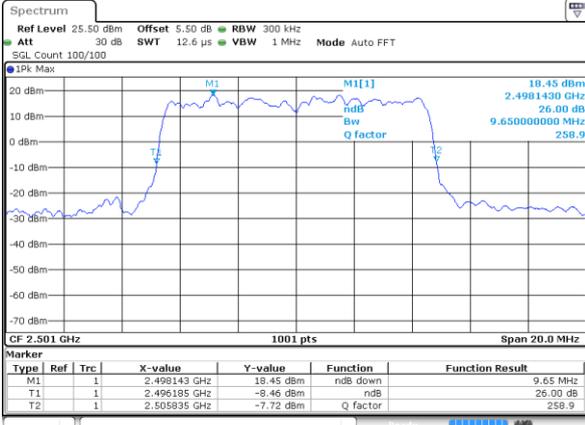
Date: 11.AUG.2017 11:34:17

Date: 11.AUG.2017 11:34:28

Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**

Date: 11.AUG.2017 11:35:00

Date: 11.AUG.2017 11:35:10

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

Date: 11.AUG.2017 11:35:42

Date: 11.AUG.2017 11:45:40

LTE Band 41
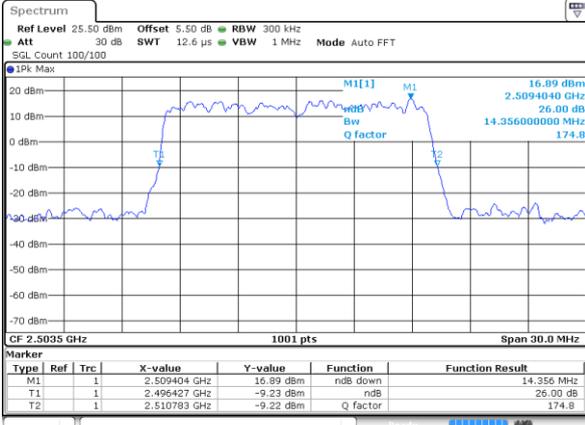
Lowest Channel / 15MHz / QPSK	Lowest Channel / 15MHz / 16QAM
Date: 11.AUG.2017 11:36:25	Date: 11.AUG.2017 11:36:36
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
Date: 11.AUG.2017 11:37:08	Date: 11.AUG.2017 11:37:18
Highest Channel / 15MHz / QPSK	**Highest Channel / 15MHz / 16QAM**
Date: 11.AUG.2017 11:37:50	Date: 11.AUG.2017 11:38:01
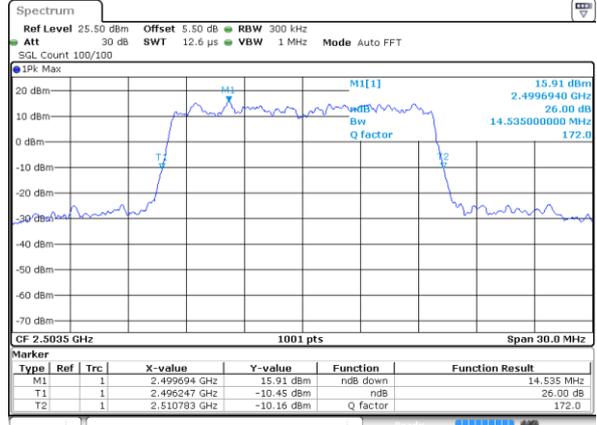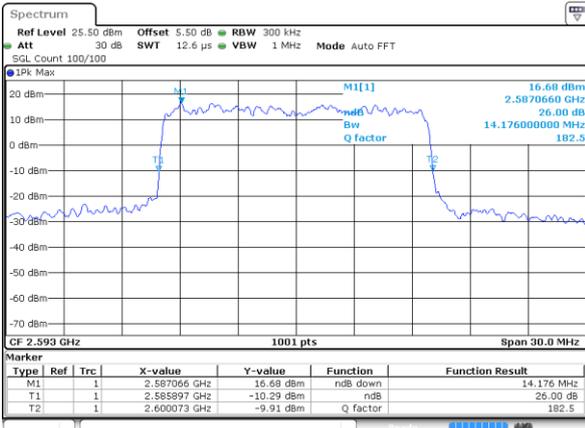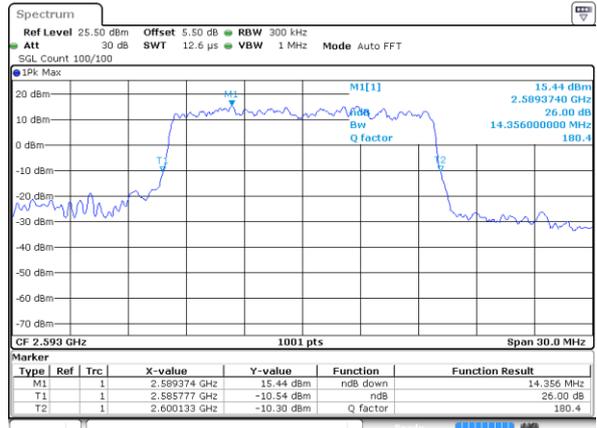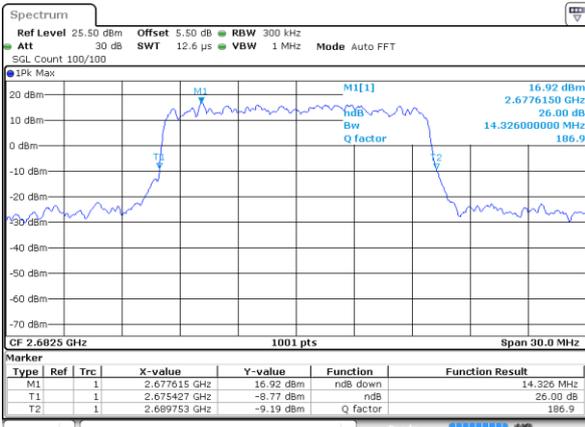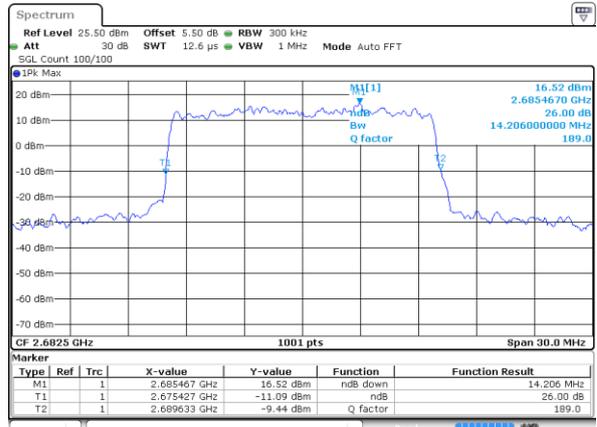
LTE Band 41

Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
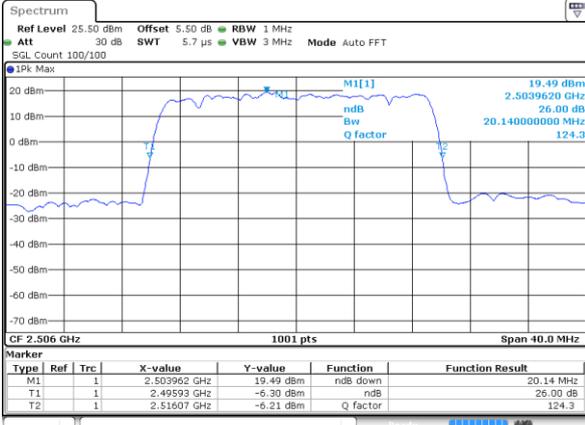
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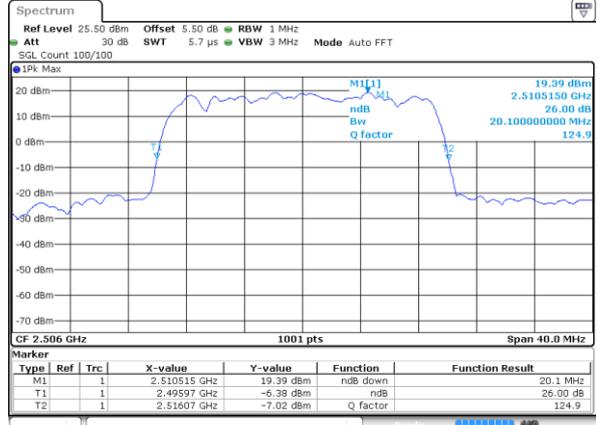
Date: 11.AUG.2017 11:38:44

Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM
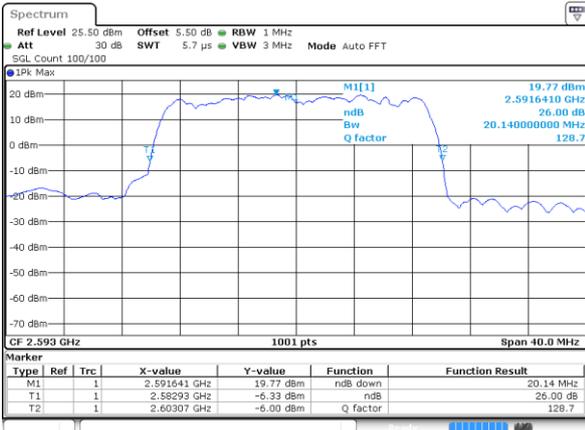
Date: 11.AUG.2017 11:39:17
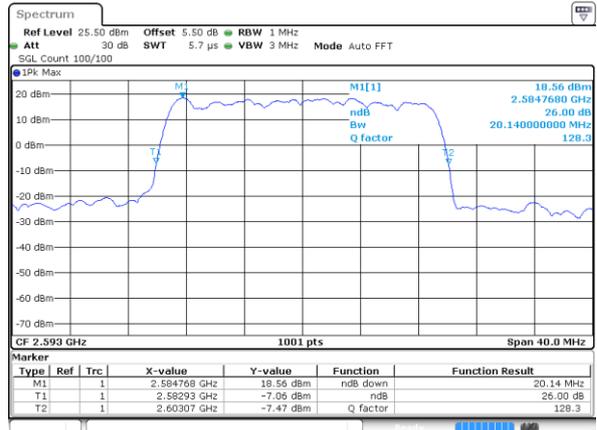
Date: 11.AUG.2017 11:39:28

Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM
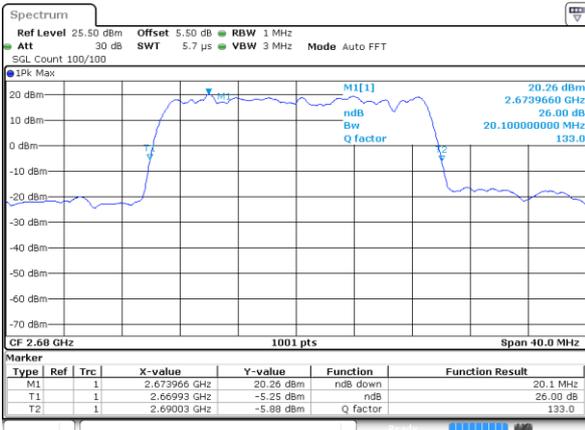
Date: 11.AUG.2017 11:40:00

Date: 11.AUG.2017 11:40:11

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FCC ID : SRQ-N9517

Page Number   : A87 of A248

Report Issued Date : Sep. 06, 2017

Report Version   : Rev. 01

Report Template No.: BU5-FGLTE Version 1.6
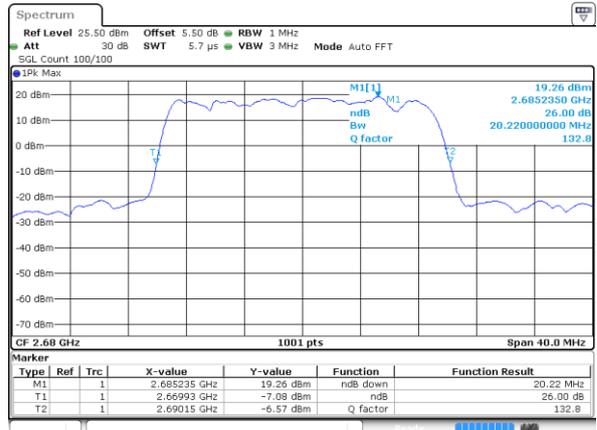
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.73	4.50	4.50	8.99	9.01	13.40	13.40	18.34	18.30
Middle CH	1.09	1.09	2.71	2.71	4.48	4.46	9.05	9.03	13.43	13.46	18.18	18.30
Highest CH	1.09	1.10	2.71	2.72	4.50	4.50	9.01	8.95	13.46	13.49	18.38	18.30

Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.74	4.50	4.50	8.99	8.97	13.34	13.40	18.30	18.22
Middle CH	1.09	1.10	2.73	2.73	4.50	4.49	8.93	8.97	13.46	13.43	18.46	18.42
Highest CH	1.10	1.10	2.70	2.72	4.51	4.52	9.01	8.99	13.40	13.37	18.14	18.18

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.69	4.49	4.51	9.07	8.99	-	-	-	-
Middle CH	1.10	1.09	2.72	2.73	4.52	4.48	9.03	9.05	-	-	-	-
Highest CH	1.09	1.09	2.72	2.71	4.47	4.49	9.01	9.01	-	-	-	-

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.48	9.01	8.97	13.37	13.37	18.14	18.46
Middle CH	-	-	-	-	4.48	4.50	8.99	8.99	13.37	13.43	18.14	18.10
Highest CH	-	-	-	-	4.50	4.48	9.07	9.05	13.40	13.40	18.34	18.30

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.69	4.49	4.48	9.05	9.03	-	-	-	-
Middle CH	1.10	1.10	2.72	2.70	4.49	4.48	9.01	9.05	-	-	-	-
Highest CH	1.10	1.09	2.72	2.72	4.48	4.48	9.03	8.95	-	-	-	-

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.46	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	9.01	9.01	-	-	-	-
Highest CH	-	-	-	-	4.47	4.47	-	-	-	-	-	-

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.73	4.47	4.50	8.99	8.99	13.34	13.43	18.26	18.42
Middle CH	1.09	1.09	2.72	2.72	4.51	4.48	9.01	9.01	13.40	13.43	18.26	18.34
Highest CH	1.10	1.10	2.75	2.70	4.47	4.49	9.07	8.93	13.40	13.40	18.26	18.22

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.72	2.73	4.47	4.45	9.01	9.05	13.43	13.43	13.43	13.43
Middle CH	1.09	1.10	2.73	2.73	4.49	4.50	8.97	8.97	13.40	13.31	-	-
Highest CH	1.10	1.10	2.71	2.73	4.47	4.46	8.99	9.01	13.34	13.37	-	-

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	9.05	8.97	13.37	13.49	18.42	18.30
Middle CH	-	-	-	-	4.49	4.48	8.93	8.99	13.46	13.43	18.30	18.26
Highest CH	-	-	-	-	4.48	4.48	9.01	8.95	13.40	13.46	18.34	18.30

LTE Band 2

Lowest Channel / 1.4MHz / QPSK
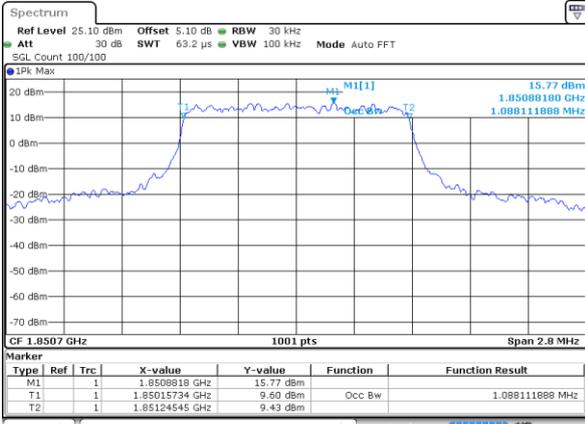
Date: 4.SEP.2017 11:14:33

Lowest Channel / 1.4MHz / 16QAM
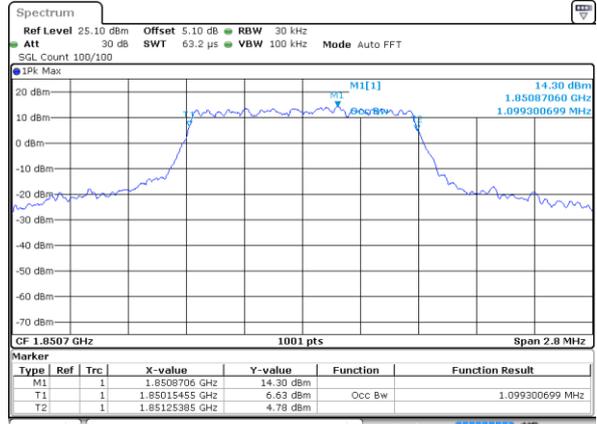
Date: 4.SEP.2017 11:14:43
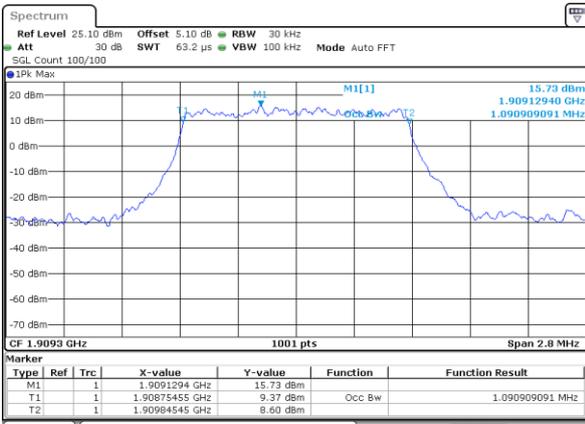
Middle Channel / 1.4MHz / QPSK
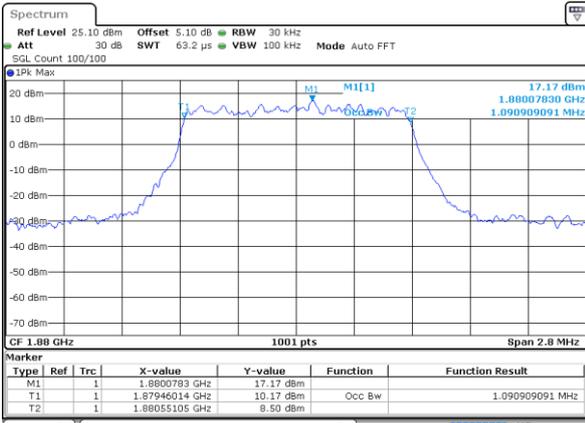
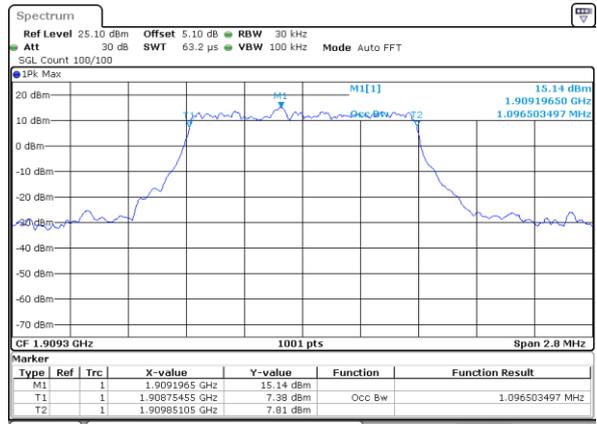Date: 4.SEP.2017 11:14:53

Middle Channel / 1.4MHz / 16QAM
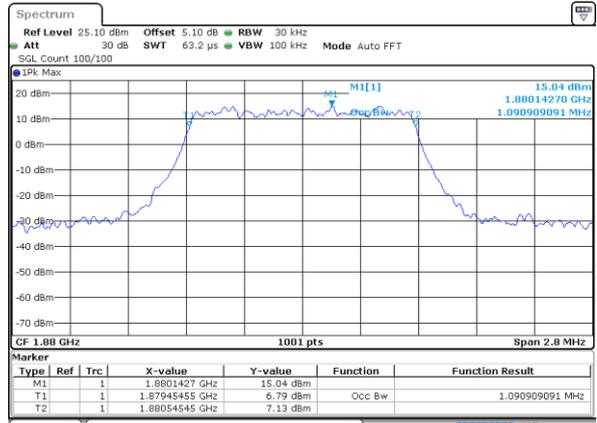
Date: 4.SEP.2017 11:15:03

Highest Channel / 1.4MHz / QPSK

Date: 4.SEP.2017 11:15:13

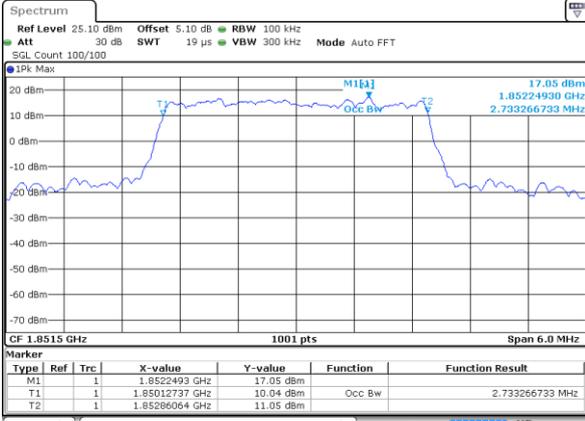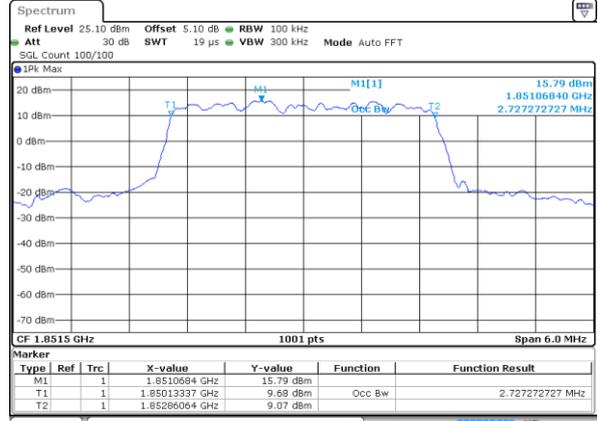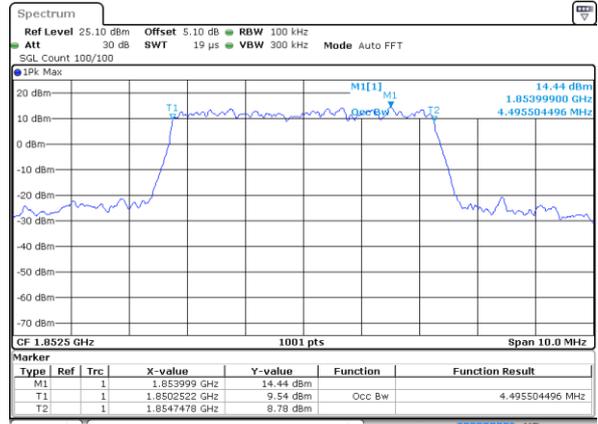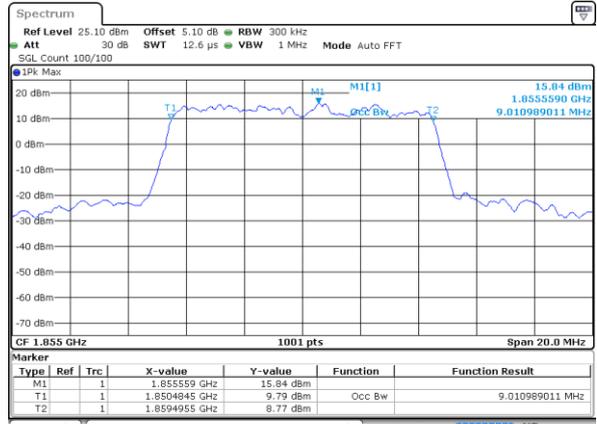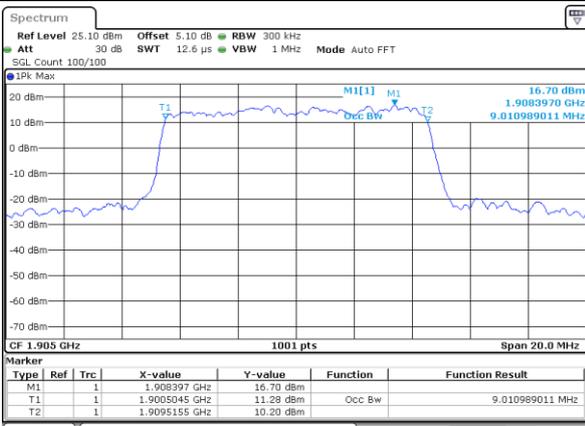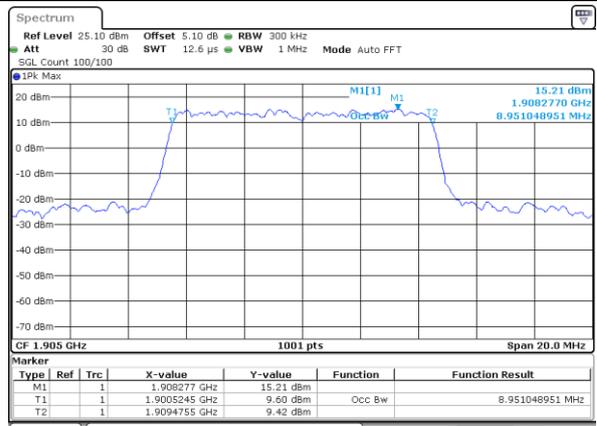### Highest Channel / 1.4MHz / 16QAM

Date: 4.SEP.2017 11:15:23

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Page Number   : A90 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 2

Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM

Date: 4.SEP.2017 11:15:33

Date: 4.SEP.2017 11:15:43

Middle Channel / 3MHz / QPSK	Middle Channel / 3MHz / 16QAM
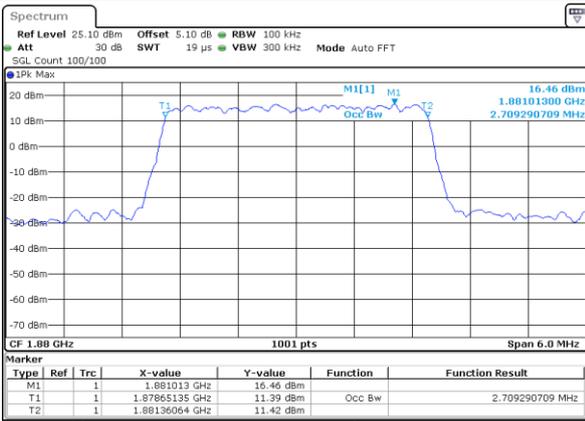
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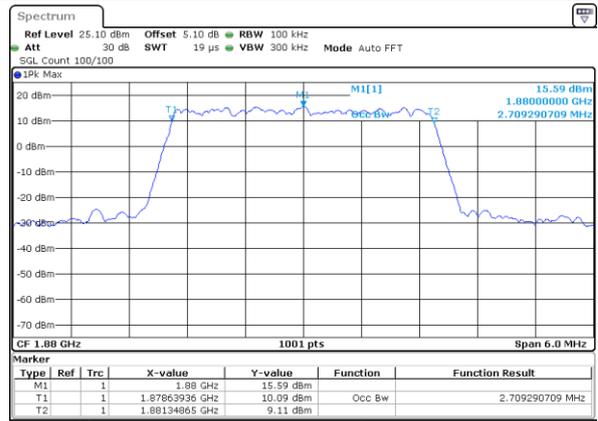
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Highest Channel / 3MHz / QPSK	Highest Channel / 3MHz / 16QAM
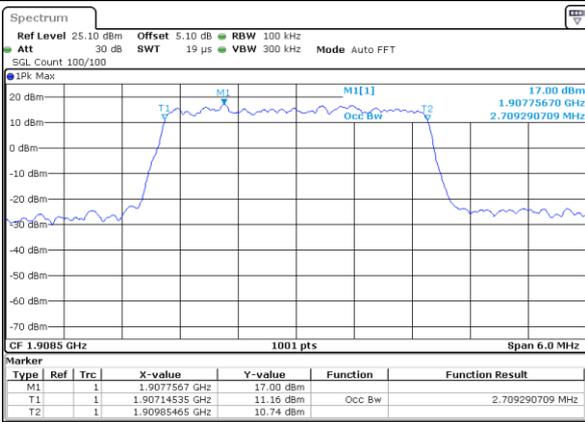
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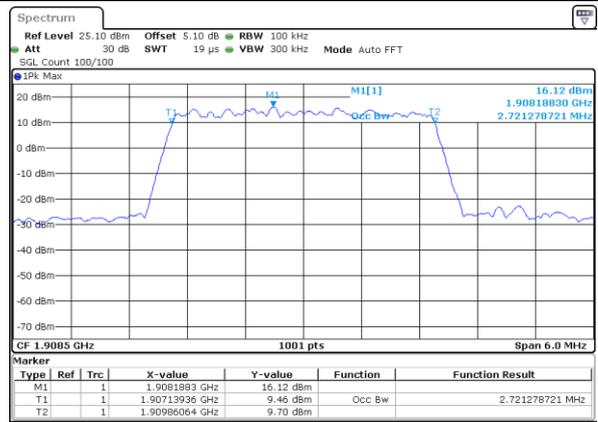
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LTE Band 2	
Lowest Channel / 5MHz / QPSK	**Lowest Channel / 5MHz / 16QAM**
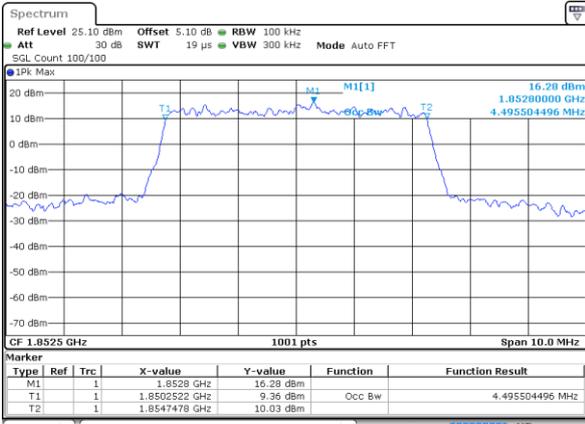
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Date: 4.SEP.2017 11:16:42

Middle Channel / 5MHz / QPSK	**Middle Channel / 5MHz / 16QAM**
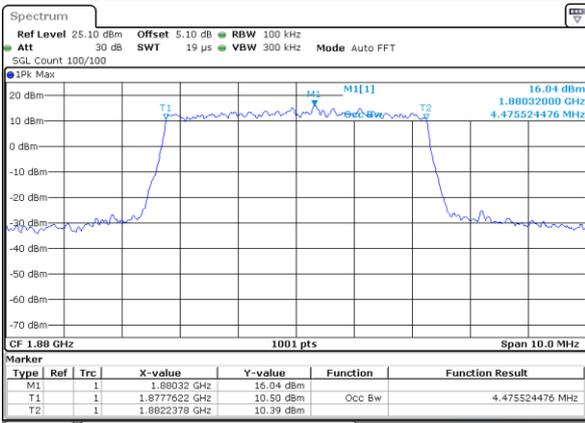
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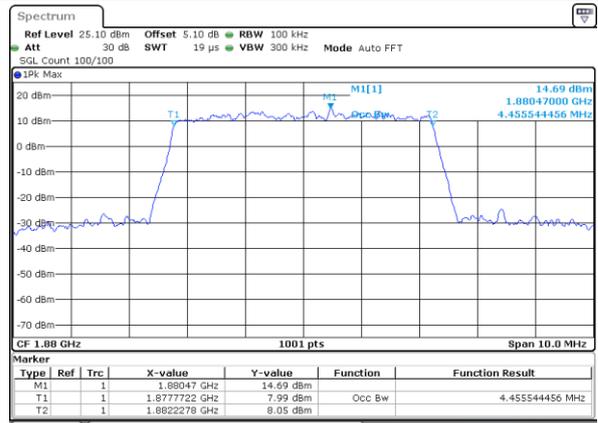
Date: 4.SEP.2017 11:17:02

Highest Channel / 5MHz / QPSK	**Highest Channel / 5MHz / 16QAM**
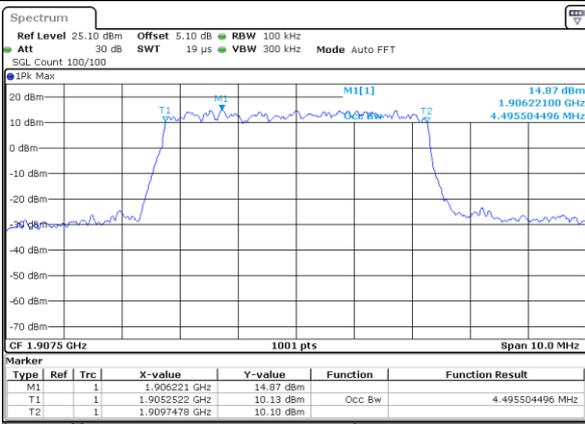
Date: 4.SEP.2017 11:17:12

Date: 4.SEP.2017 11:17:22

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FCC ID : SRQ-N9517

Page Number   : A92 of A248

Report Issued Date : Sep. 06, 2017

Report Version   : Rev. 01

Report Template No.: BU5-FGLTE Version 1.6
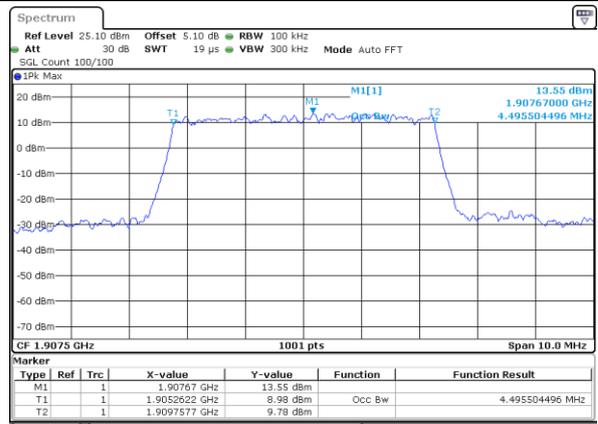
LTE Band 2

Lowest Channel / 10MHz / QPSK	Lowest Channel / 10MHz / 16QAM
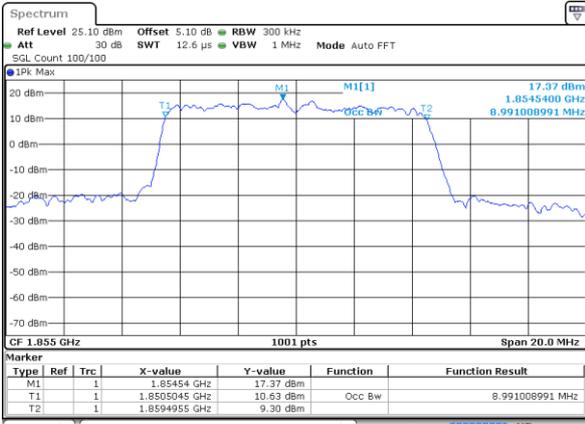
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Date: 4.SEP.2017 11:17:42

Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
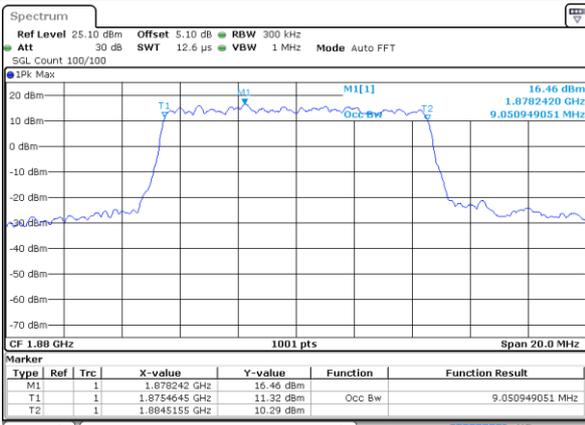
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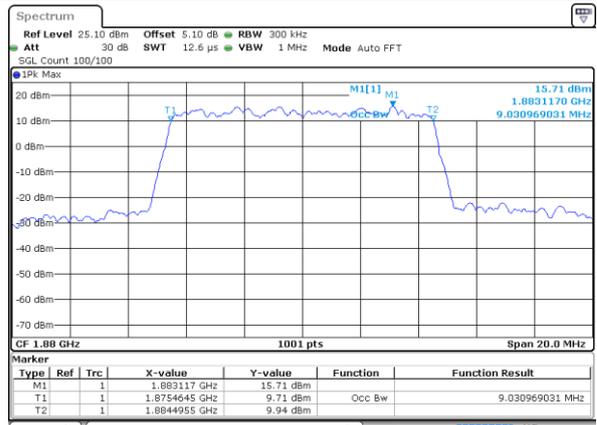
Date: 4.SEP.2017 11:18:02

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

Date: 4.SEP.2017 11:18:12

Date: 4.SEP.2017 11:18:22

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FCC ID : SRQ-N9517

Page Number : A93 of A248
Report Issued Date : Sep. 06, 2017
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 2

Lowest Channel / 15MHz / QPSK
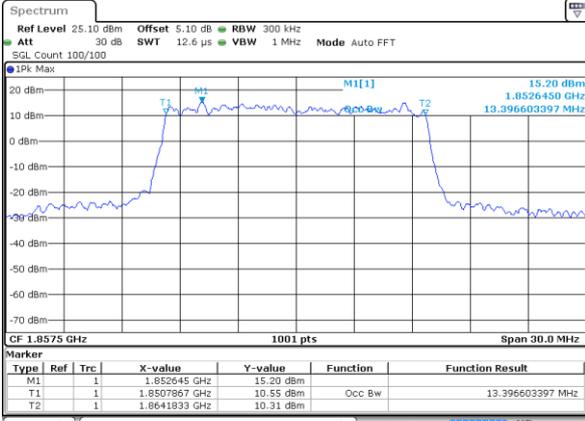
Date: 4.SEP.2017 11:18:32

Lowest Channel / 15MHz / 16QAM
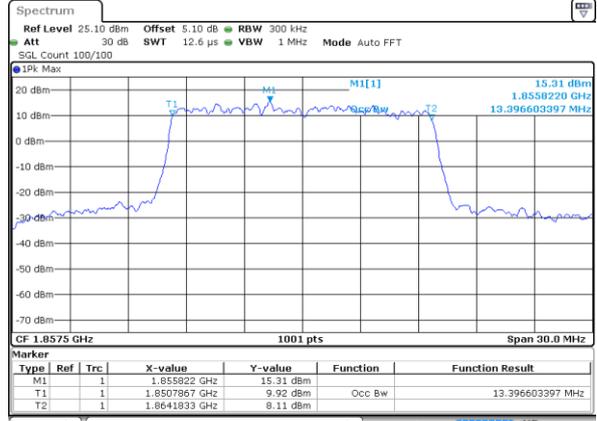
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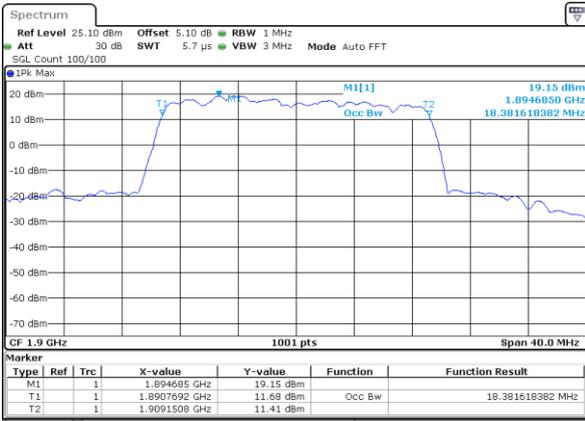
Middle Channel / 15MHz / QPSK
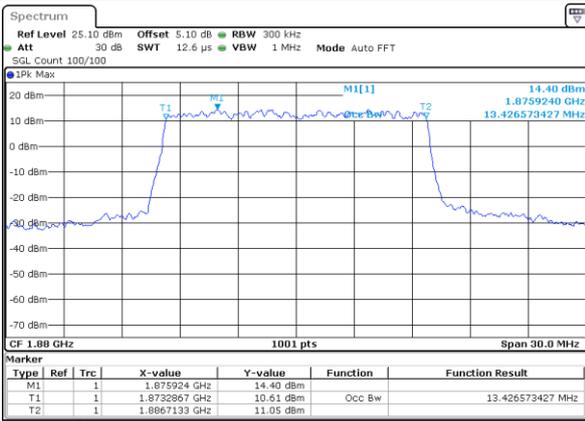
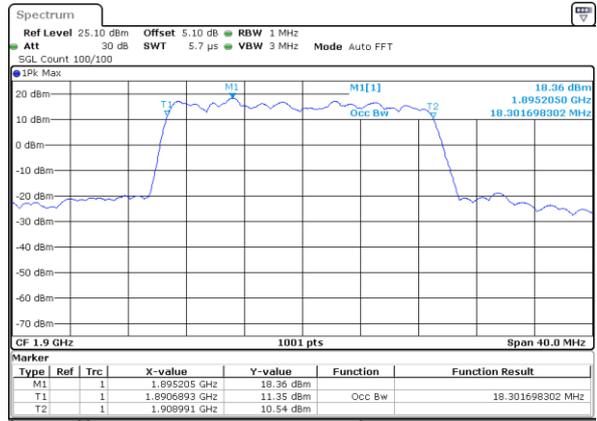Date: 4.SEP.2017 11:18:52

Middle Channel / 15MHz / 16QAM
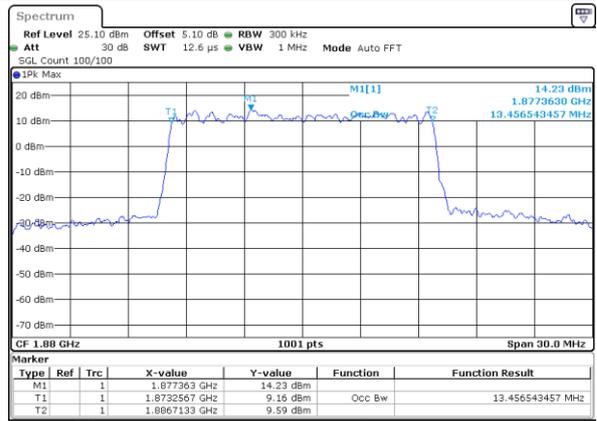
Date: 4.SEP.2017 11:19:02

Highest Channel / 15MHz / QPSK
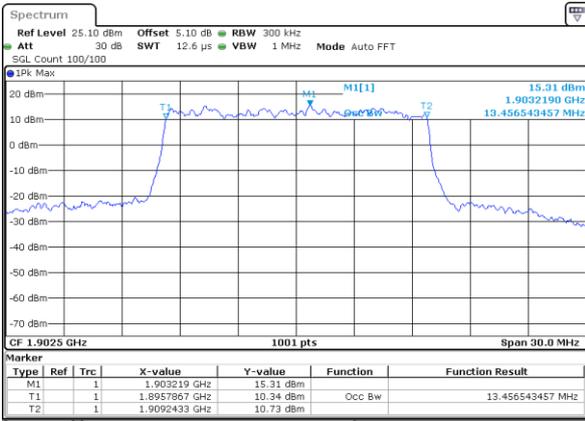
Date: 4.SEP.2017 11:19:12

Highest Channel / 15MHz / 16QAM

Date: 4.SEP.2017 11:19:21

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FCC ID : SRQ-N9517

Page Number   : A94 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
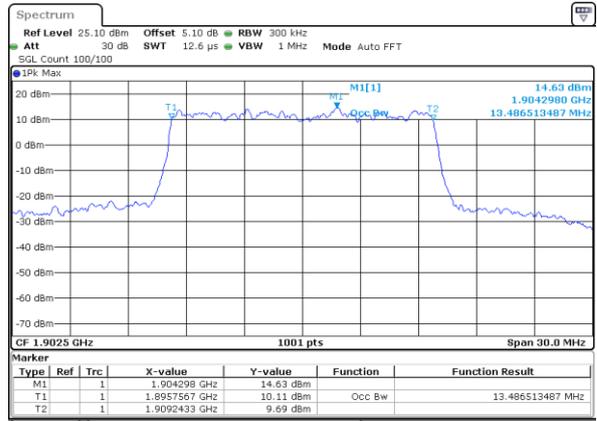
LTE Band 2

Lowest Channel / 20MHz / QPSK	Lowest Channel / 20MHz / 16QAM
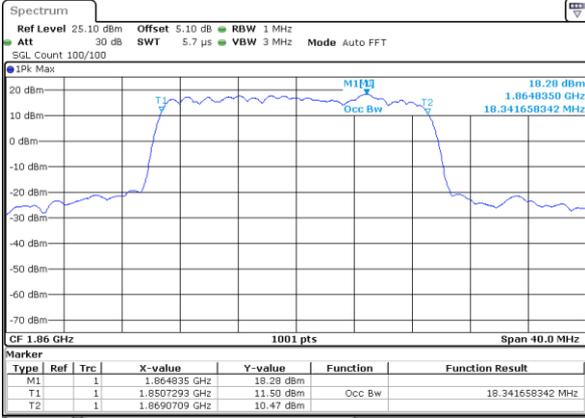
Date: 4.SEP.2017 11:19:31
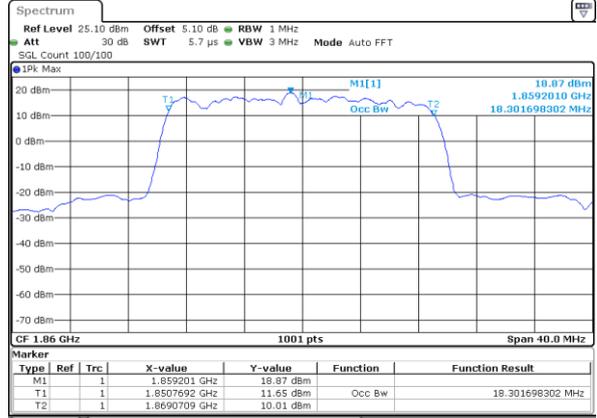
Date: 4.SEP.2017 11:19:41

Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM

Date: 4.SEP.2017 11:19:51
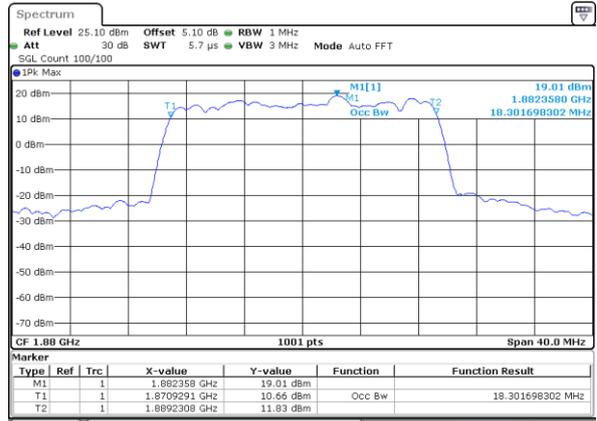
Date: 4.SEP.2017 11:20:01

Highest Channel / 20MHz / QPSK	Highest Channel / 20MHz / 16QAM

Date: 4.SEP.2017 11:20:11

Date: 4.SEP.2017 11:20:21

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FCC ID : SRQ-N9517

Page Number   : A95 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 4

Lowest Channel / 1.4MHz / QPSK	Lowest Channel / 1.4MHz / 16QAM
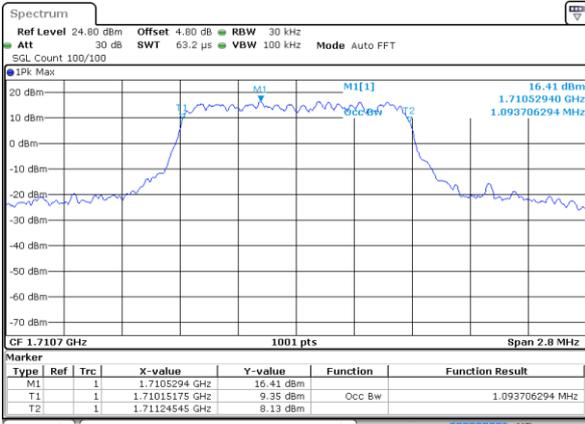
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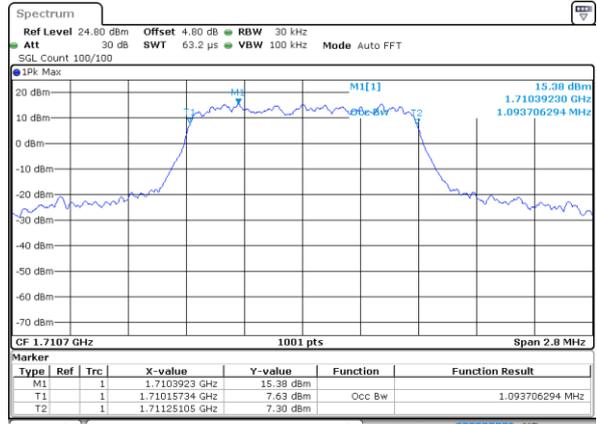
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Middle Channel / 1.4MHz / QPSK	Middle Channel / 1.4MHz / 16QAM
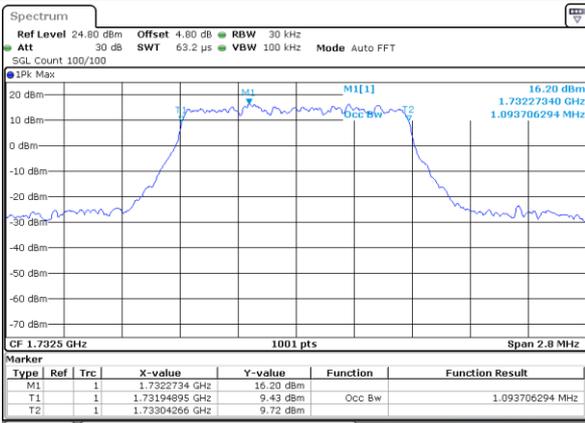
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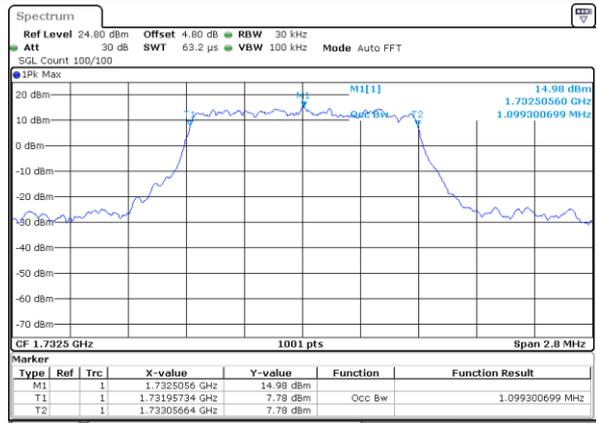
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Highest Channel / 1.4MHz / QPSK	Highest Channel / 1.4MHz / 16QAM
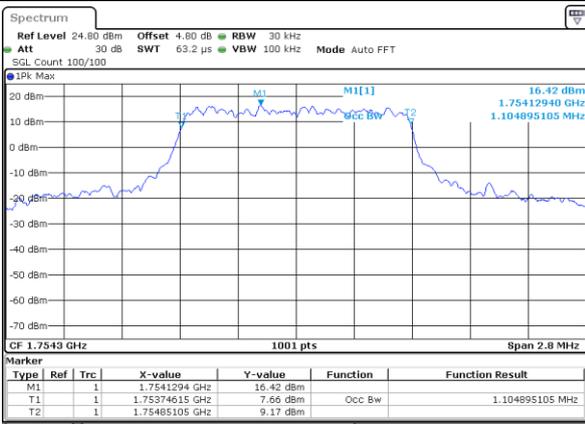
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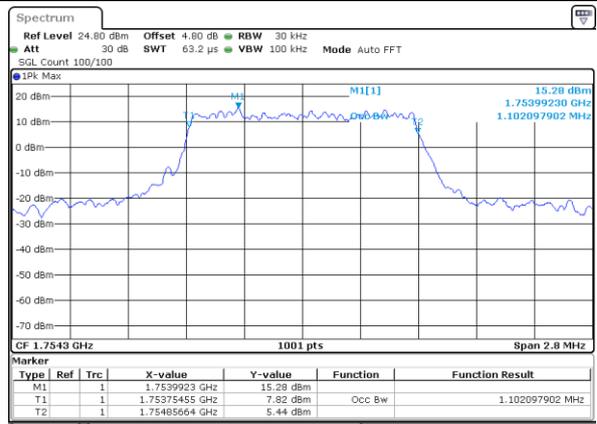
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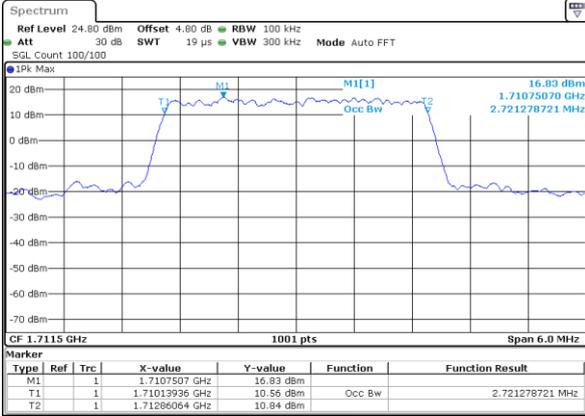
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FCC ID : SRQ-N9517

Page Number   : A96 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6

LTE Band 4

Lowest Channel / 3MHz / QPSK	Lowest Channel / 3MHz / 16QAM

Middle Channel / 3MHz / QPSK	Middle Channel / 3MHz / 16QAM

Highest Channel / 3MHz / QPSK	Highest Channel / 3MHz / 16QAM

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FCC ID : SRQ-N9517

Page Number : A97 of A248
Report Issued Date : Sep. 06, 2017
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
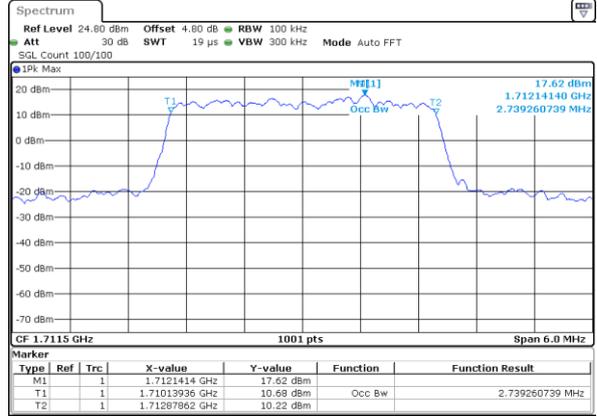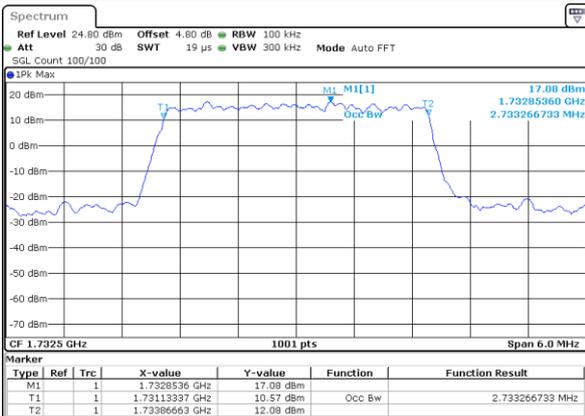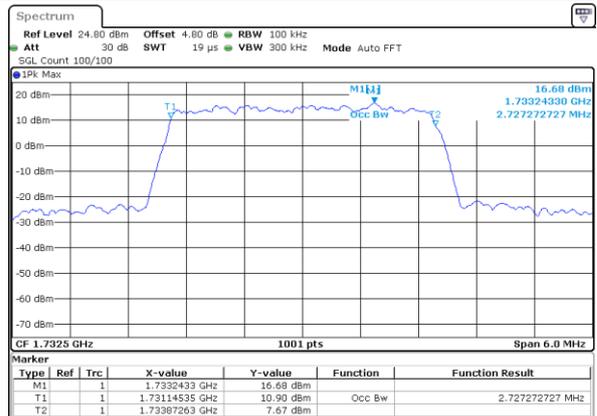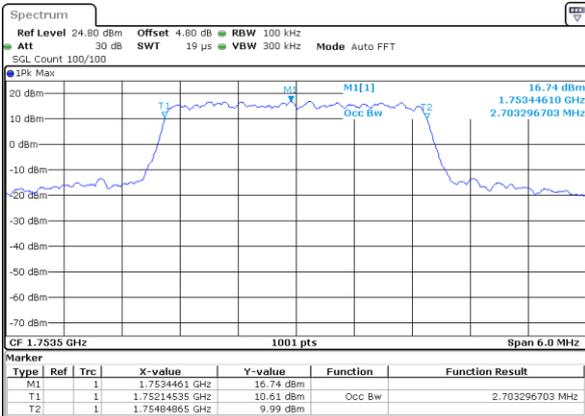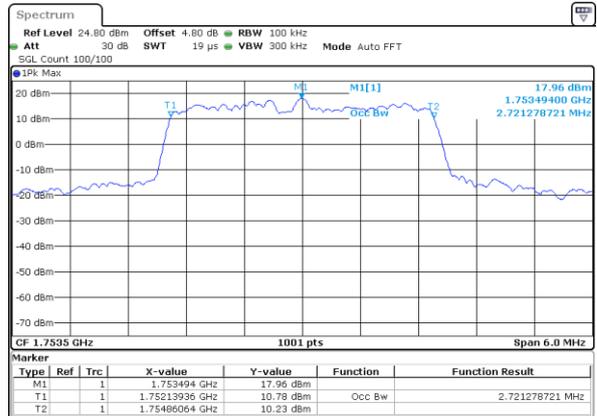
LTE Band 4
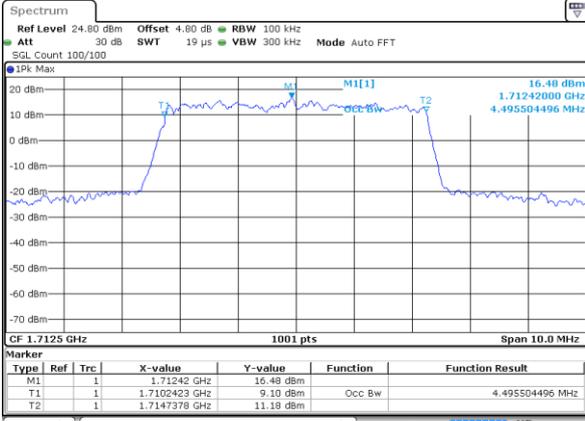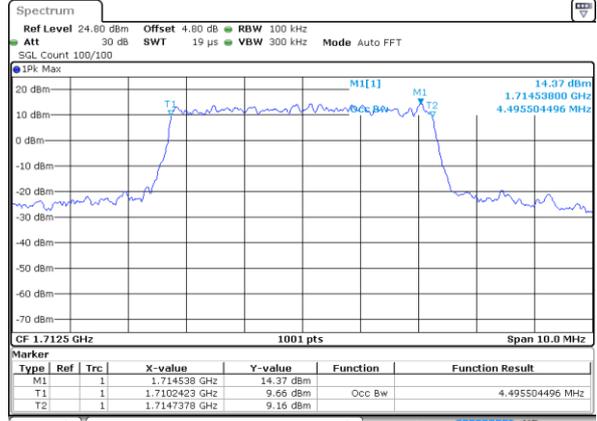
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Date: 4.AUG.2017 19:38:47	Date: 4.AUG.2017 19:38:57
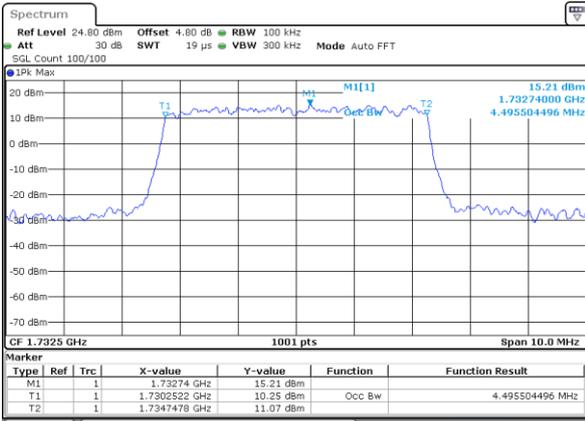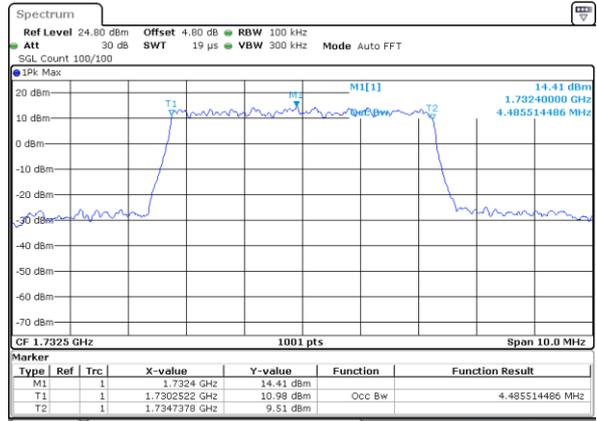
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
Date: 4.AUG.2017 19:53:29	Date: 4.AUG.2017 19:53:39
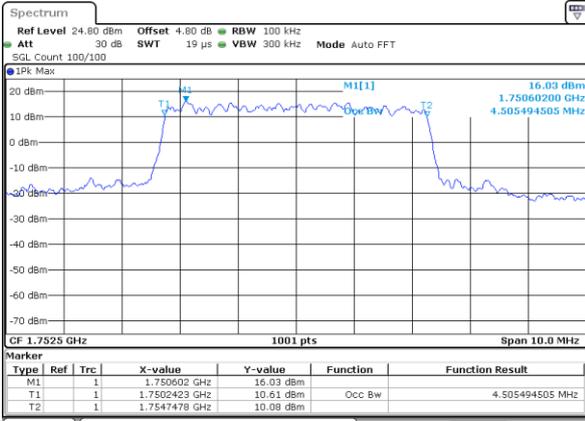
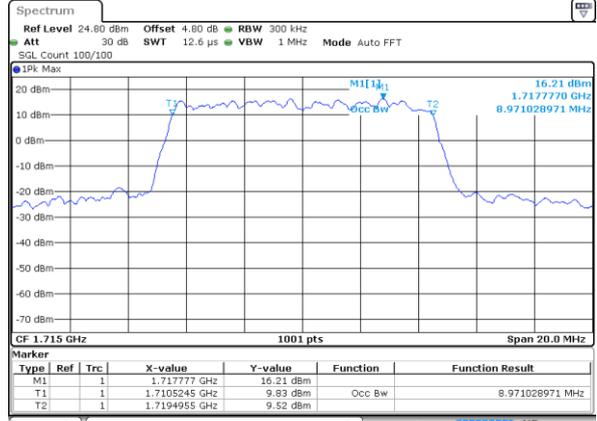| Highest Channel / 5MHz / QPSK	Highest Channel / 5MHz / 16QAM
Date: 4.AUG.2017 19:55:58	Date: 4.AUG.2017 19:56:08
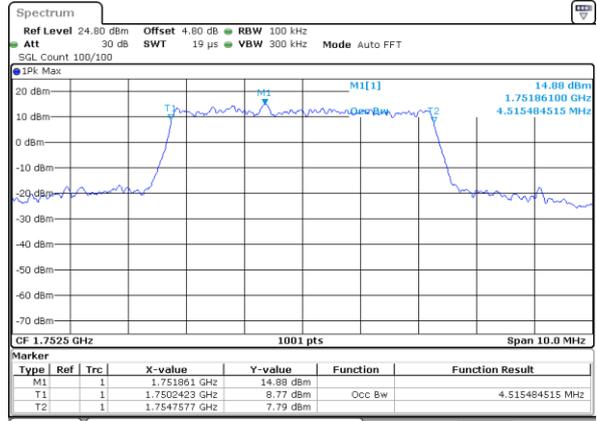
LTE Band 4

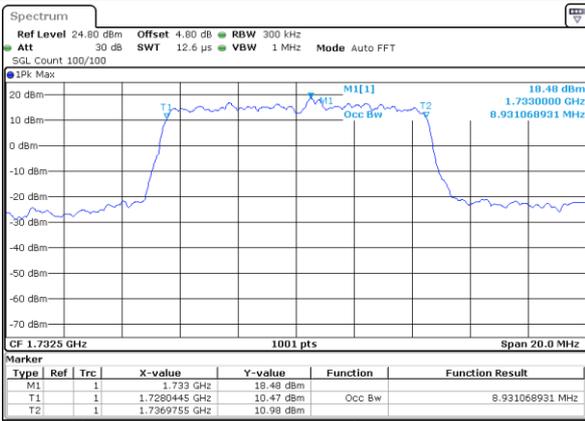### Lowest Channel / 10MHz / QPSK
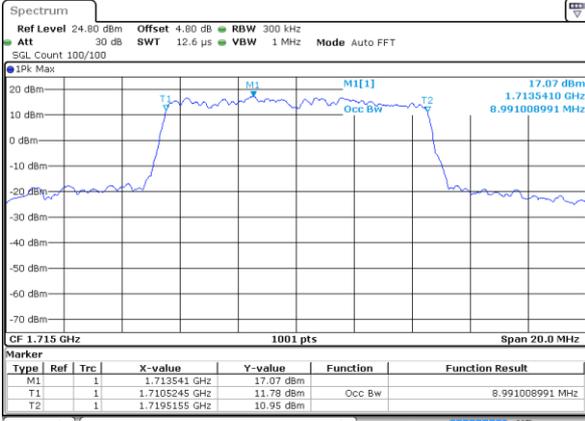
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Lowest Channel / 10MHz / 16QAM
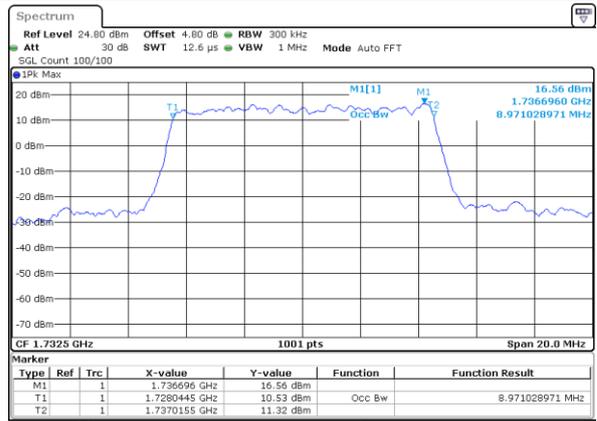

Date: 4.AUG.2017 20:03:06
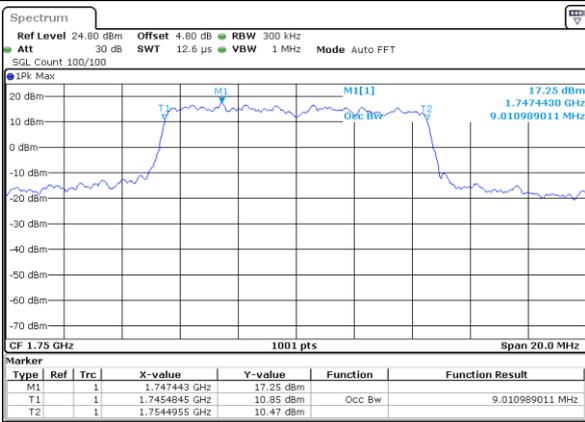
Middle Channel / 10MHz / QPSK

Date: 4.AUG.2017 20:09:54
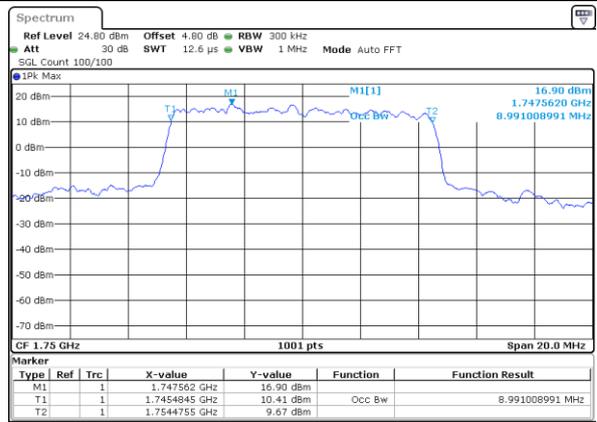
Middle Channel / 10MHz / 16QAM

Date: 4.AUG.2017 20:10:04

Highest Channel / 10MHz / QPSK

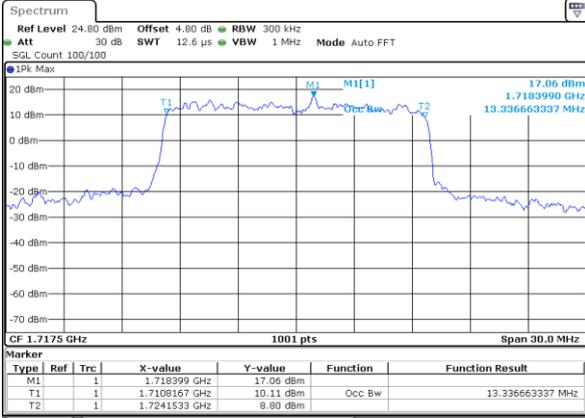Date: 4.AUG.2017 20:12:22

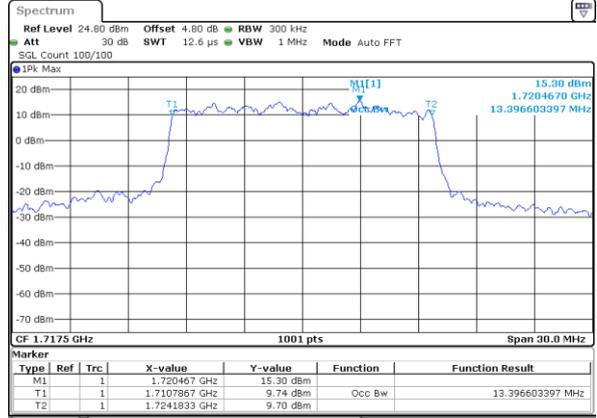### Highest Channel / 10MHz / 16QAM

Date: 4.AUG.2017 20:12:32

Sporton International (Kunshan) Inc.

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FCC ID : SRQ-N9517

Page Number : A99 of A248

Report Issued Date : Sep. 06, 2017

Report Version : Rev. 01

Report Template No.: BU5-FGLTE Version 1.6

LTE Band 4

Lowest Channel / 15MHz / QPSK	Lowest Channel / 15MHz / 16QAM
Date: 4.AUG.2017 20:19:20	Date: 4.AUG.2017 20:19:30
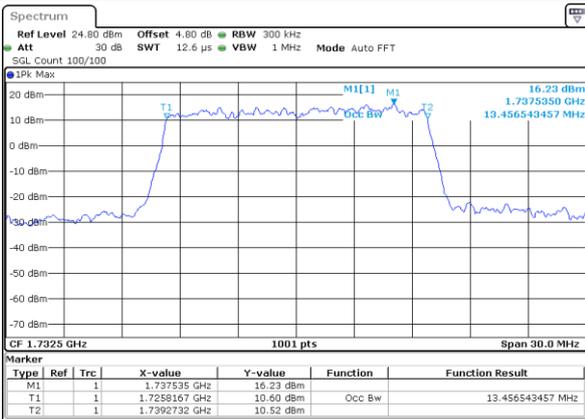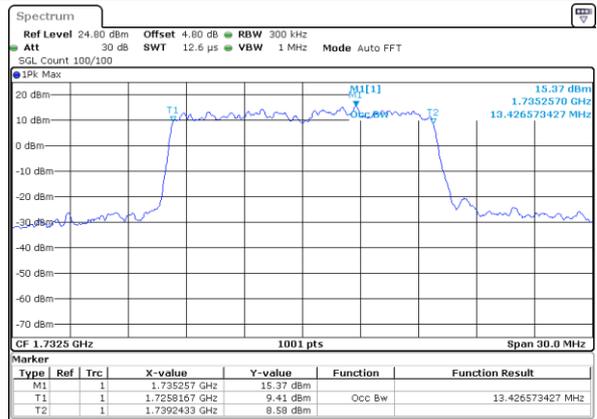
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Date: 4.AUG.2017 20:26:18	Date: 4.AUG.2017 20:26:28

Highest Channel / 15MHz / QPSK	Highest Channel / 15MHz / 16QAM
Date: 4.AUG.2017 20:28:47	Date: 4.AUG.2017 20:28:57
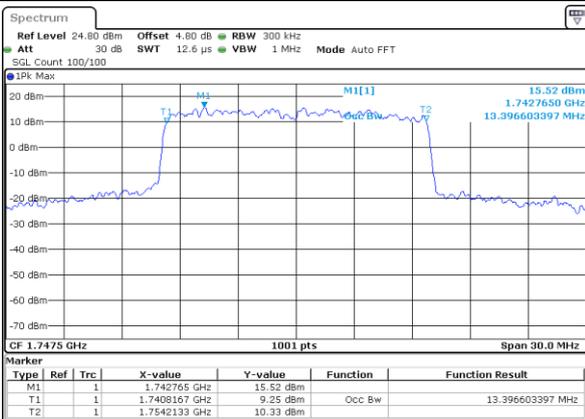
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Page Number : A100 of A248
Report Issued Date : Sep. 06, 2017
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6
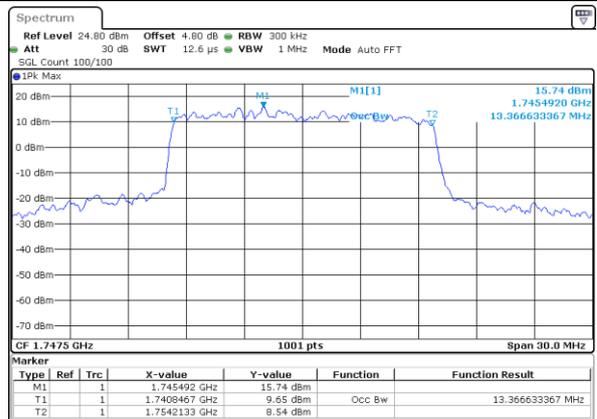
LTE Band 4	
Lowest Channel / 20MHz / QPSK	**Lowest Channel / 20MHz / 16QAM**
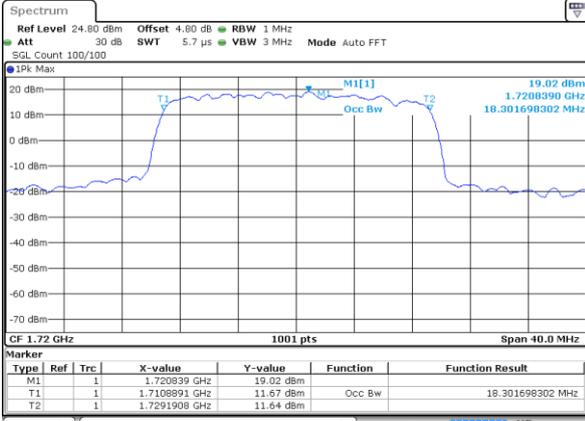
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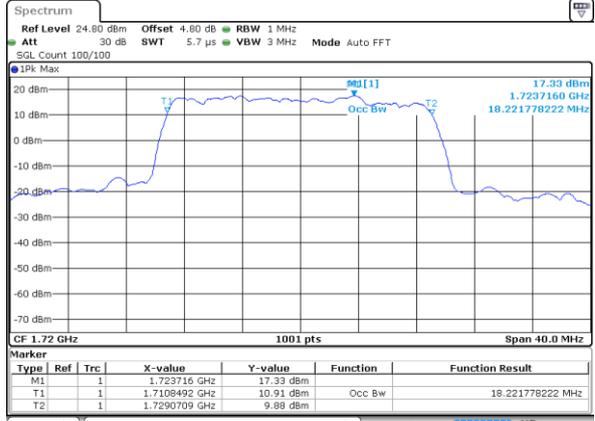
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Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
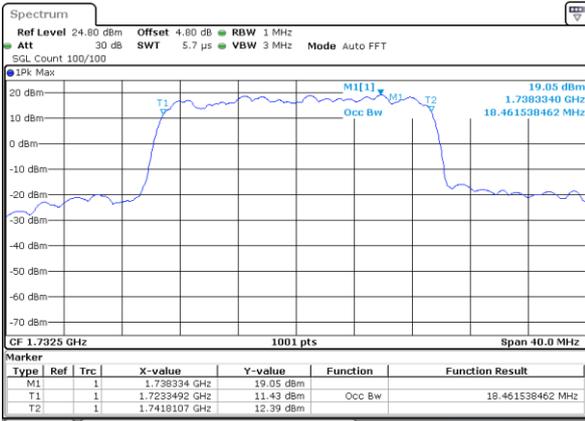
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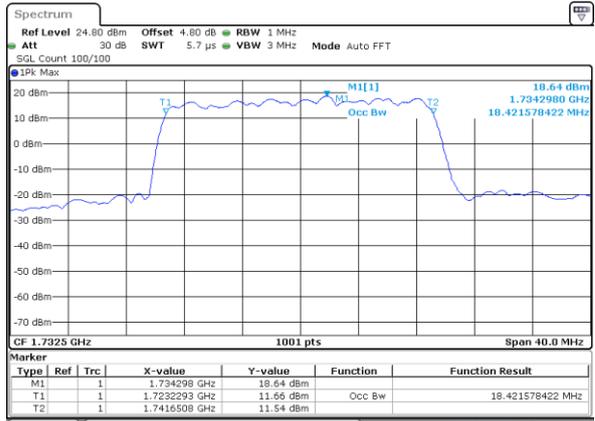
Date: 4.AUG.2017 20:42:53

Highest Channel / 20MHz / QPSK	**Highest Channel / 20MHz / 16QAM**

Date: 4.AUG.2017 20:45:11

Date: 4.AUG.2017 20:45:21

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Page Number   : A101 of A248
Report Issued Date : Sep. 06, 2017
Report Version   : Rev. 01
Report Template No.: BU5-FGLTE Version 1.6