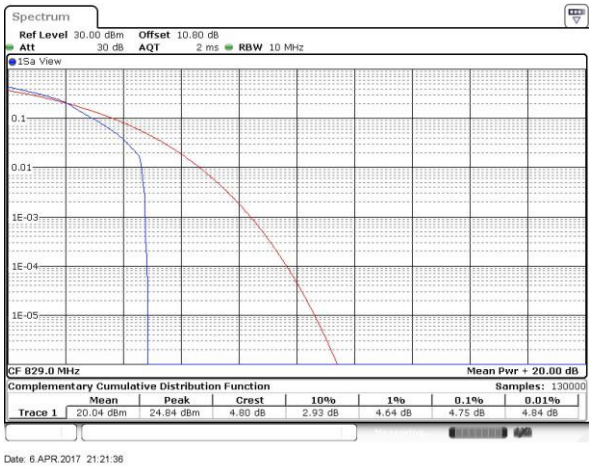
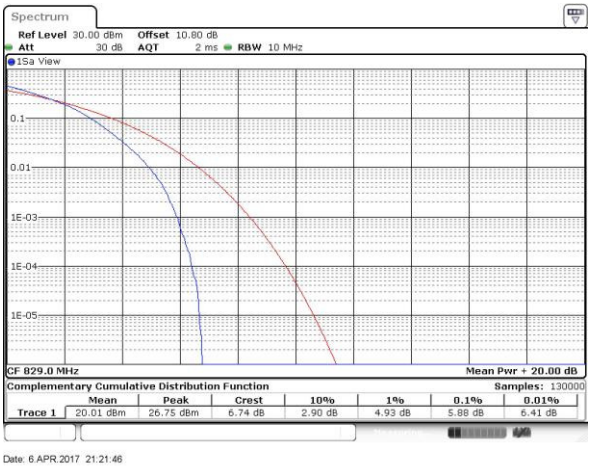
LTE Band 5 / 10MHz / 16QAM

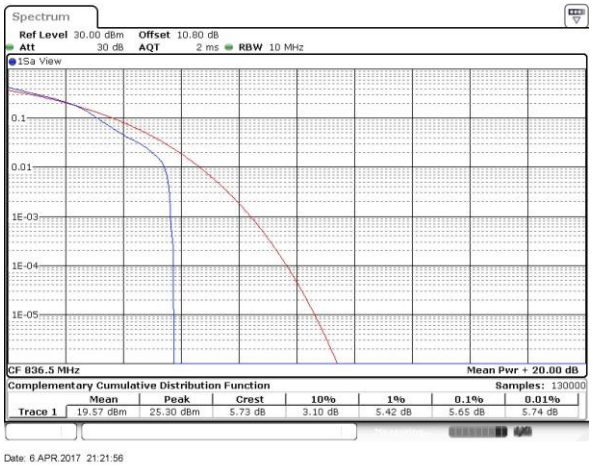
Lowest Channel / 1RB



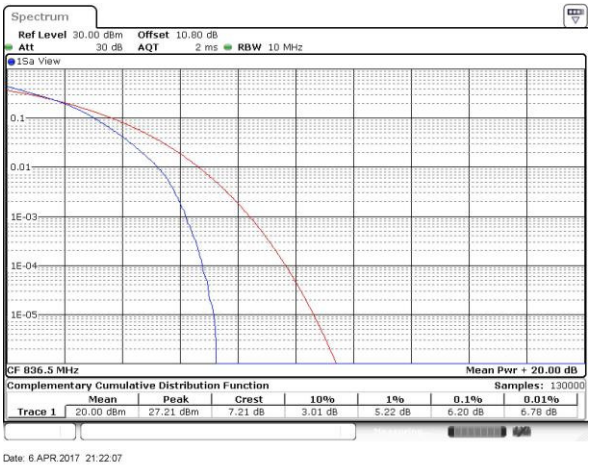
Lowest Channel / Full RB



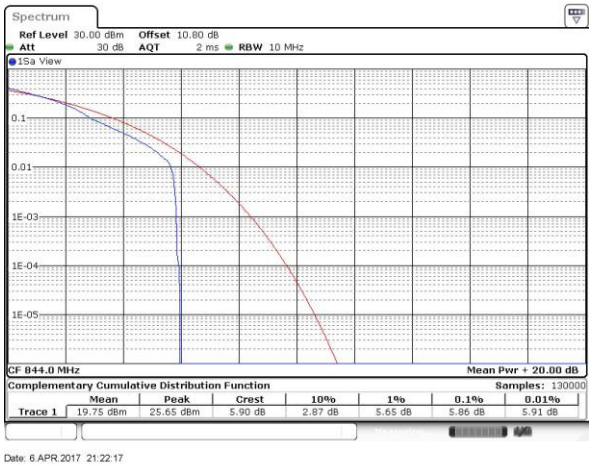
Middle Channel / 1RB



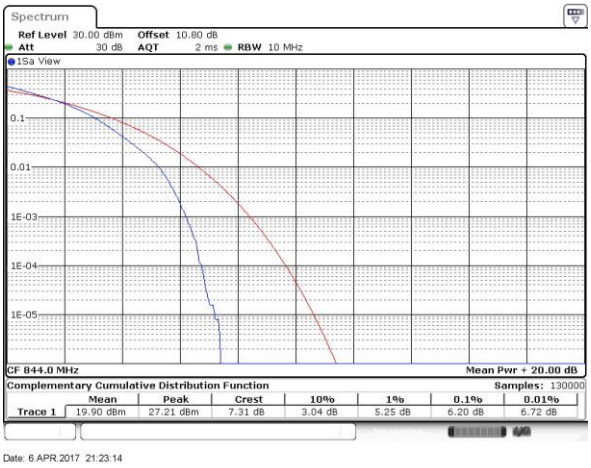
Middle Channel / Full RB



Highest Channel / 1RB

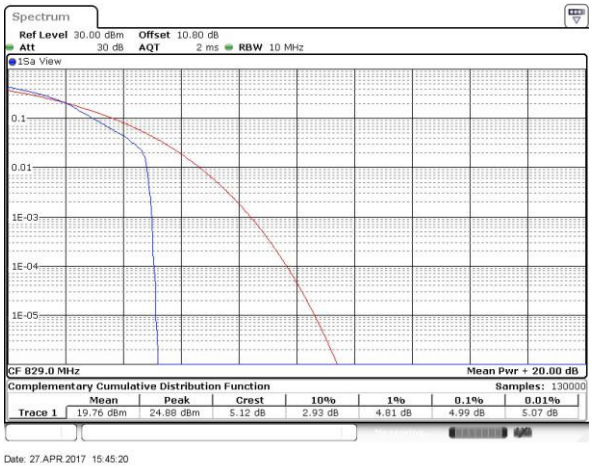


Highest Channel / Full RB

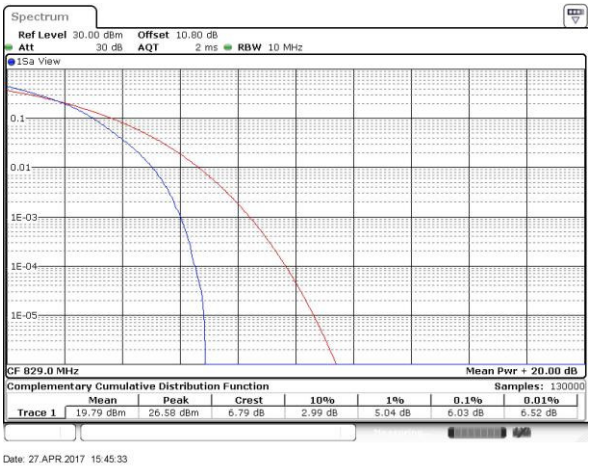


LTE Band 5 / 10MHz / 64QAM

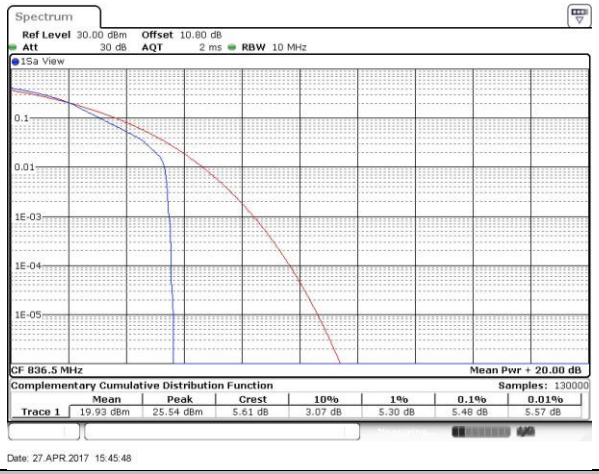
Lowest Channel / 1RB



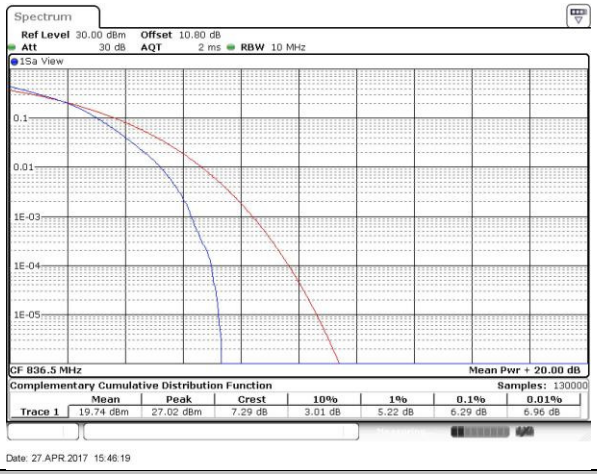
Lowest Channel / Full RB



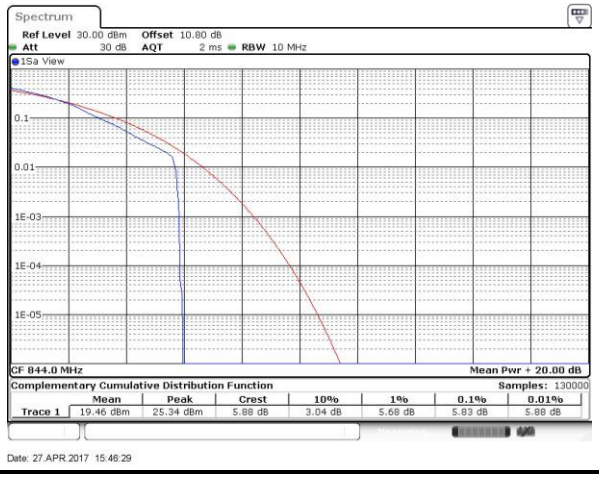
Middle Channel / 1RB



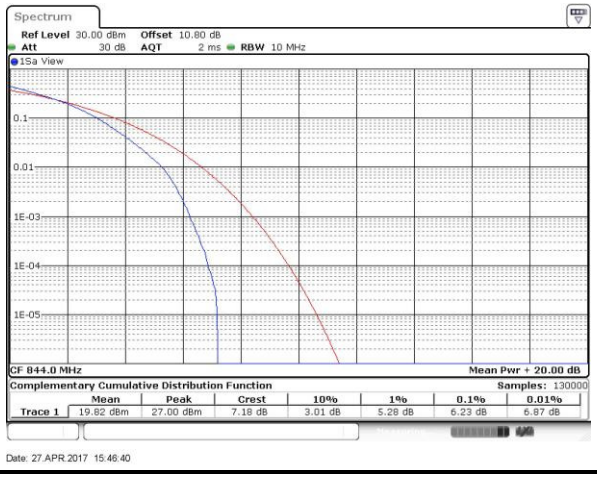
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

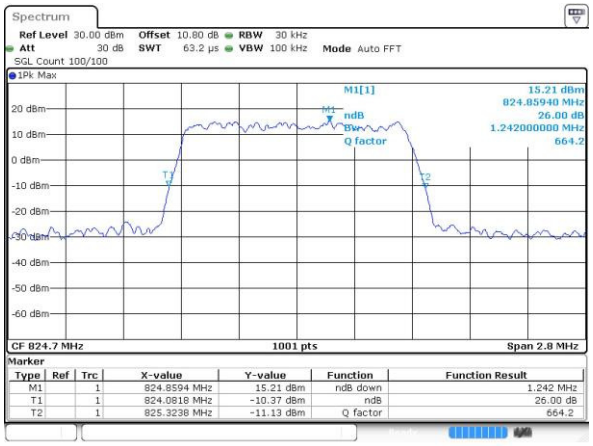


26dB Bandwidth

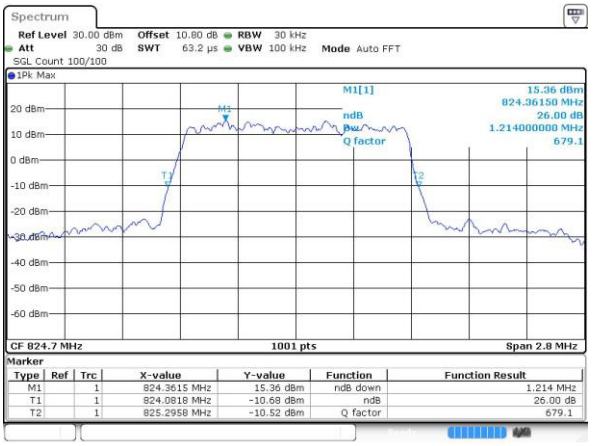
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.21	3.02	3.05	4.98	4.85	9.75	9.73	-	-	-	-
Middle CH	1.21	1.23	3.04	2.98	4.94	4.92	9.81	9.83	-	-	-	-
Highest CH	1.23	1.21	2.95	3.00	4.91	4.82	9.67	9.87	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	1.23	-	3.00	-	4.84	-	9.77	-	-	-	-
Middle CH	-	1.24	-	3.03	-	4.93	-	9.73	-	-	-	-
Highest CH	-	1.22	-	3.02	-	4.90	-	9.79	-	-	-	-

LTE Band 5

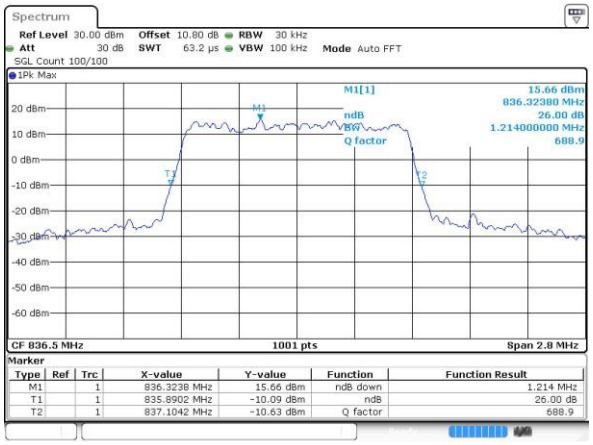
Lowest Channel / 1.4MHz / QPSK



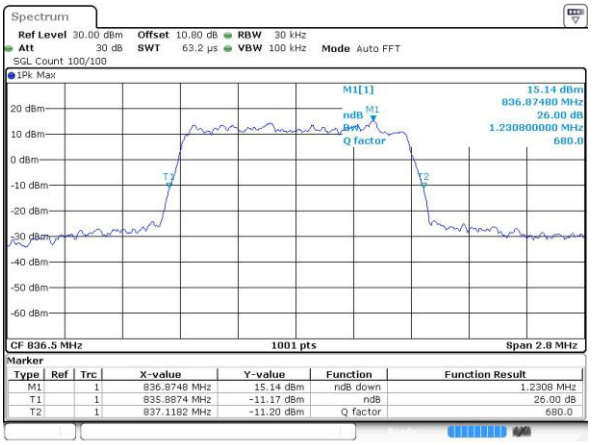
Lowest Channel / 1.4MHz / 16QAM



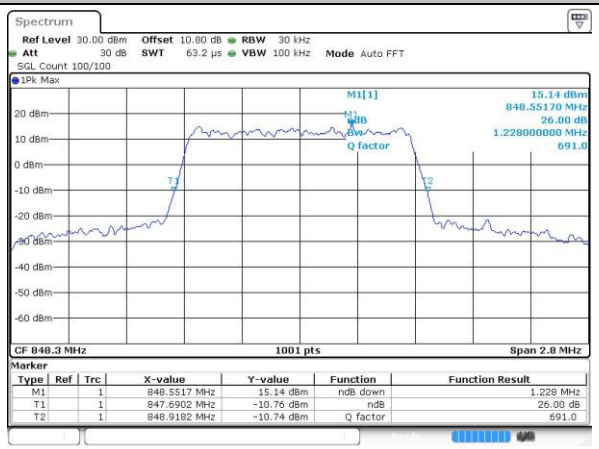
Middle Channel / 1.4MHz / QPSK



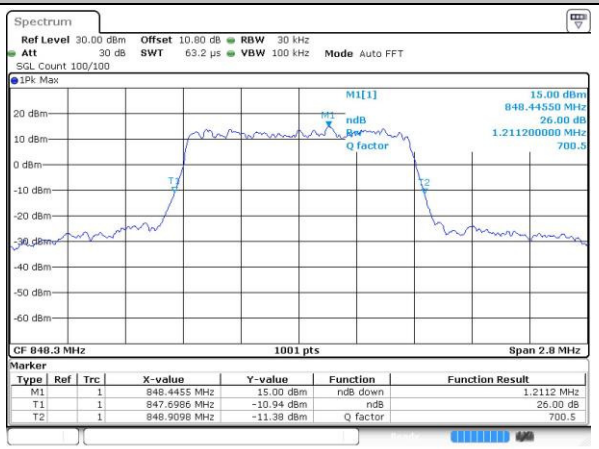
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

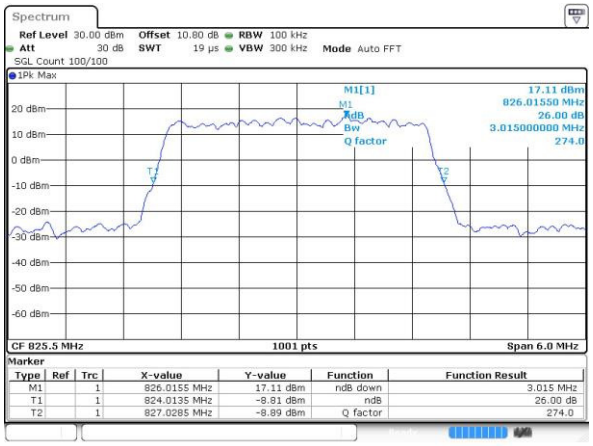


Highest Channel / 1.4MHz / 16QAM

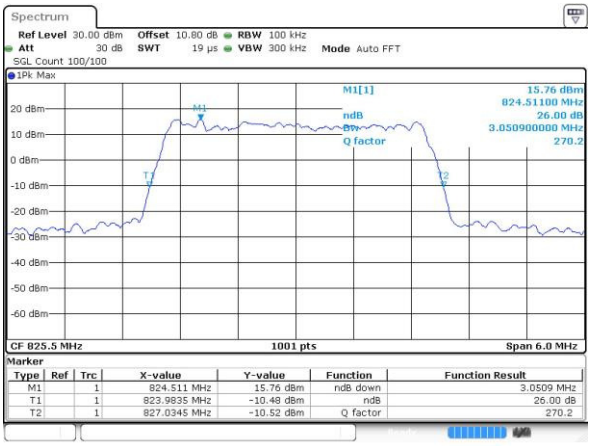


LTE Band 5

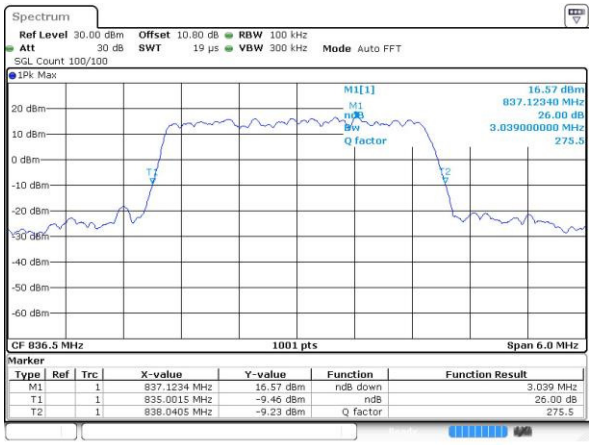
Lowest Channel / 3MHz / QPSK



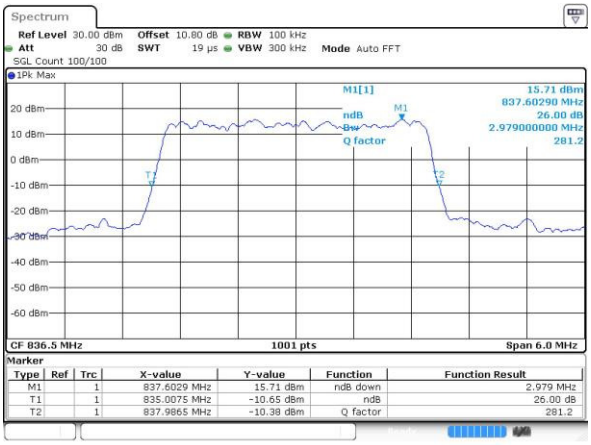
Lowest Channel / 3MHz / 16QAM



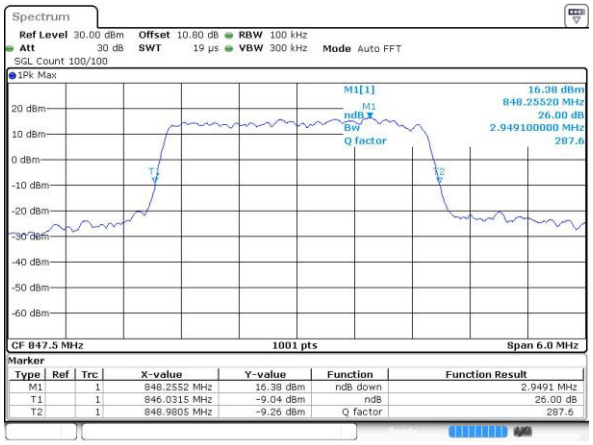
Middle Channel / 3MHz / QPSK



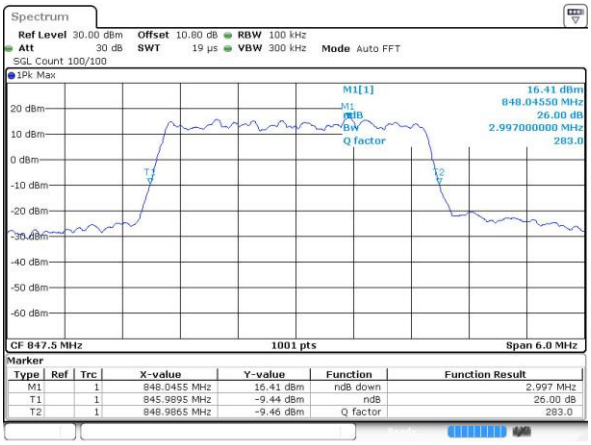
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

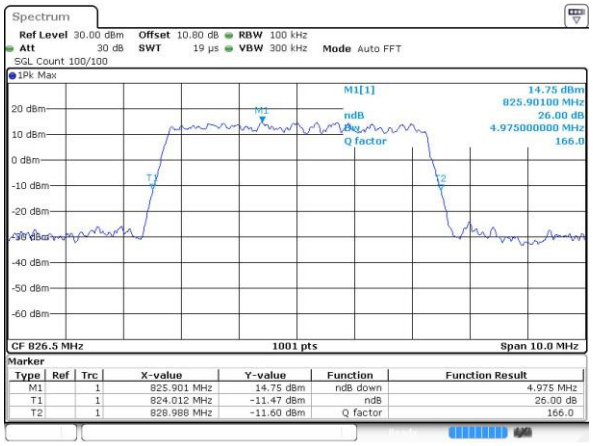


Highest Channel /3MHz / 16QAM

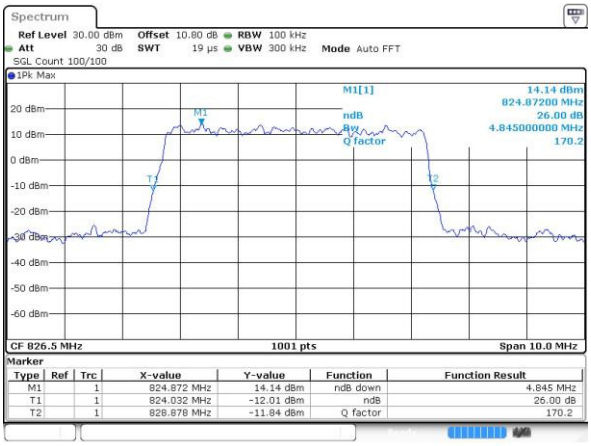


LTE Band 5

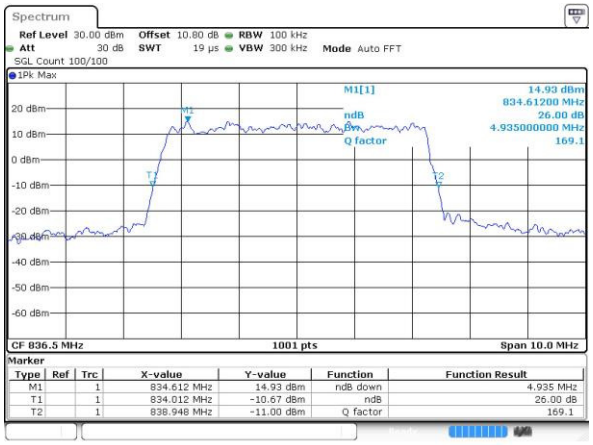
Lowest Channel / 5MHz / QPSK



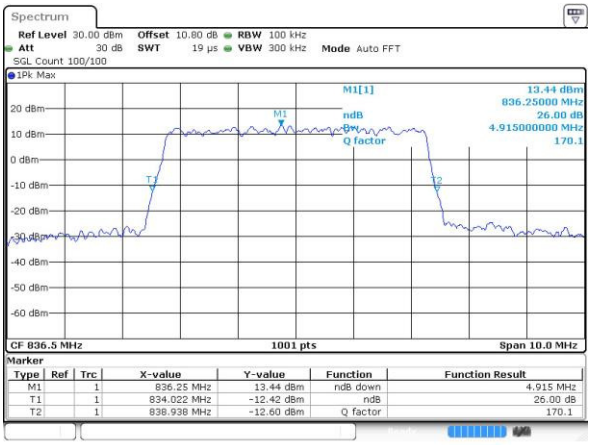
Lowest Channel / 5MHz / 16QAM



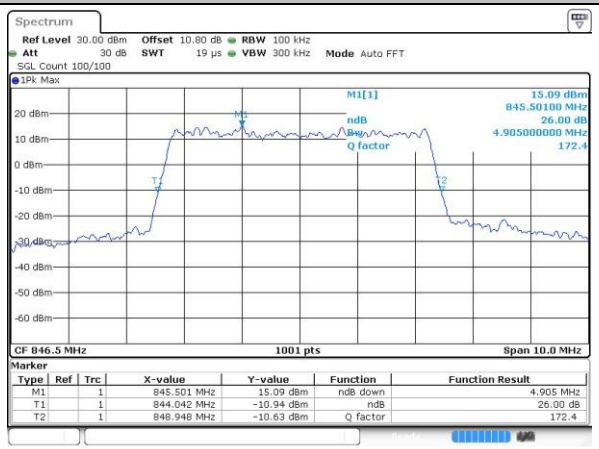
Middle Channel / 5MHz / QPSK



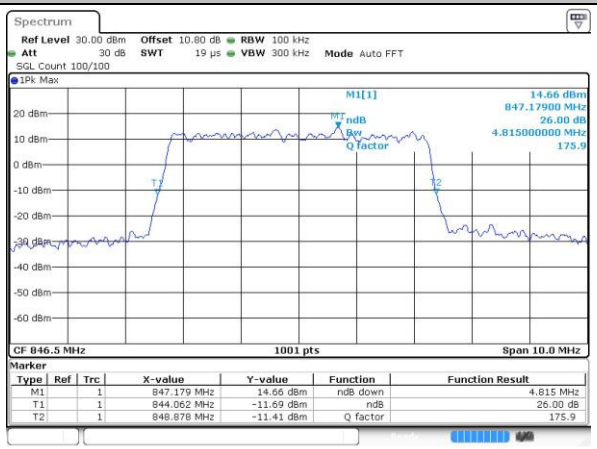
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

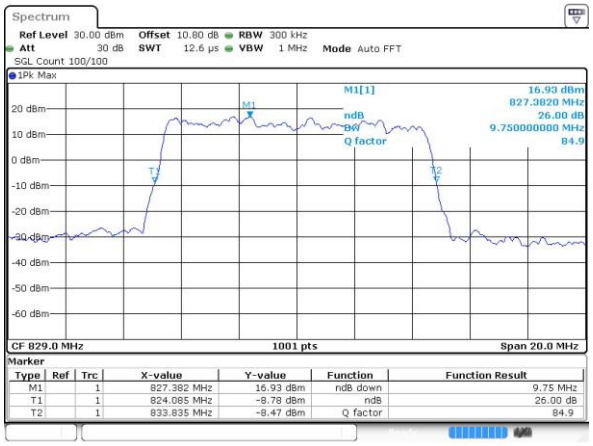


Highest Channel / 5MHz / 16QAM

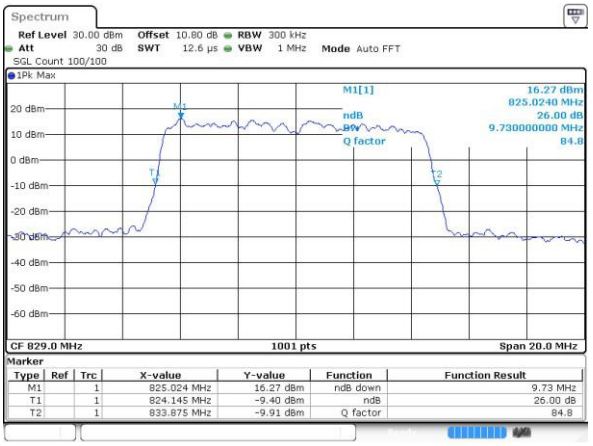


LTE Band 5

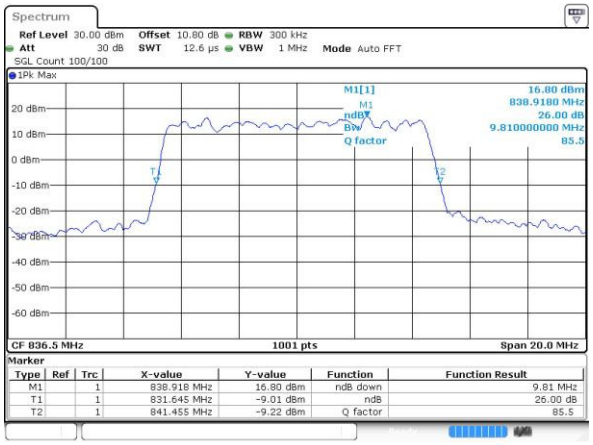
Lowest Channel / 10MHz / QPSK



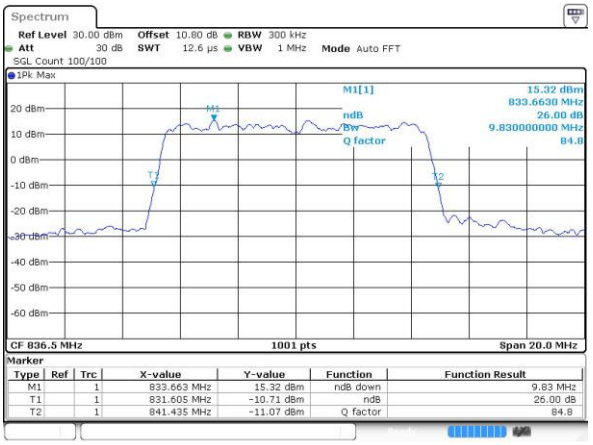
Lowest Channel / 10MHz / 16QAM



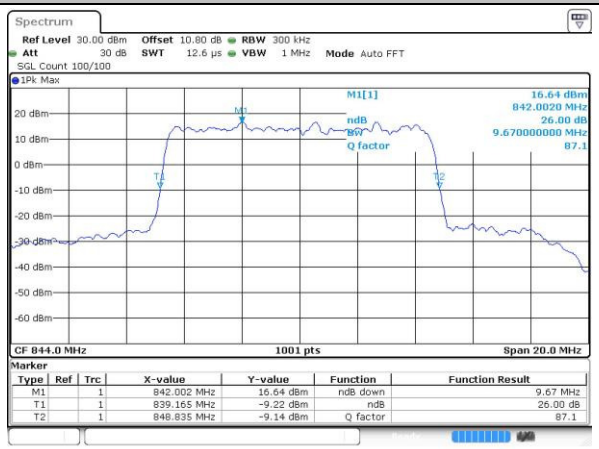
Middle Channel / 10MHz / QPSK



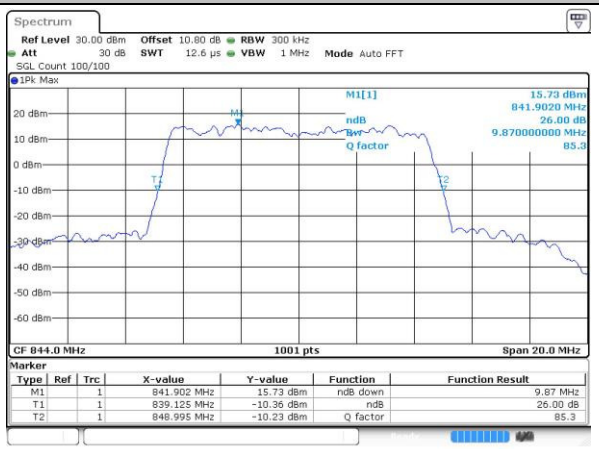
Middle Channel / 10MHz / 16QAM

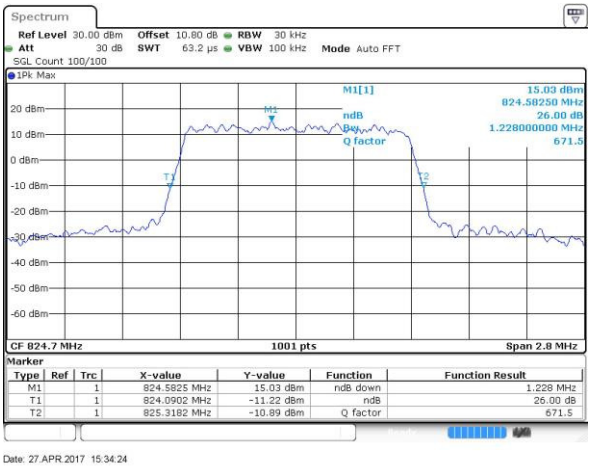
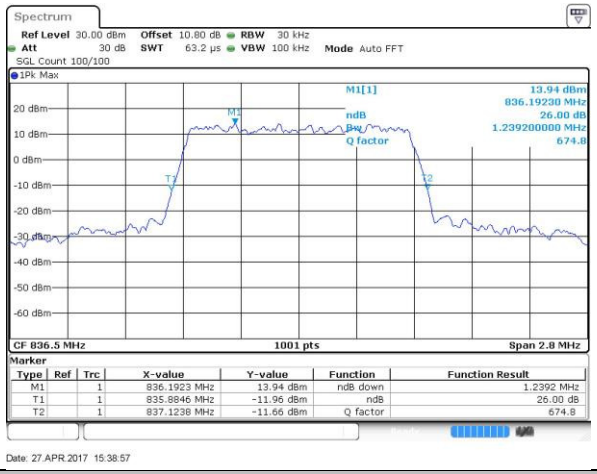
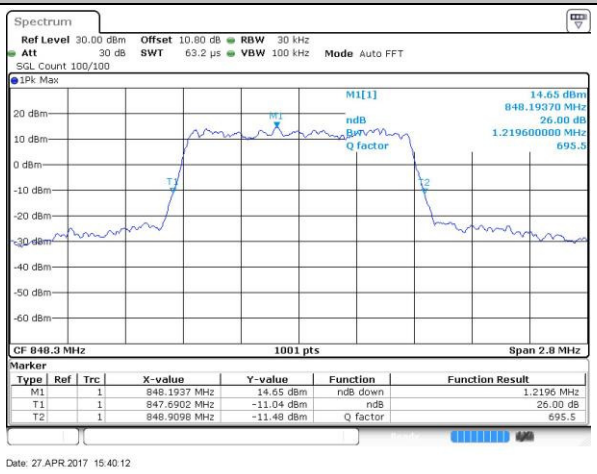


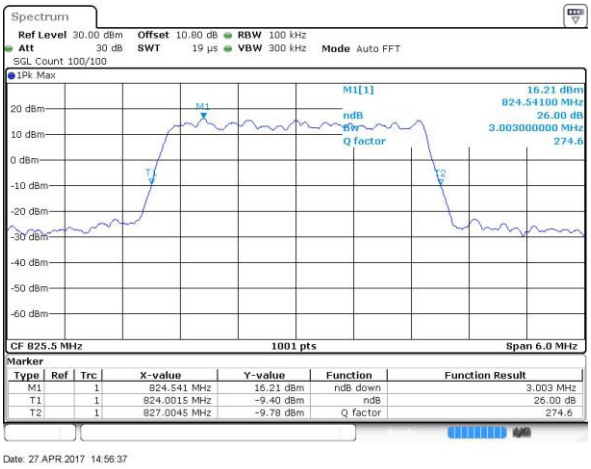
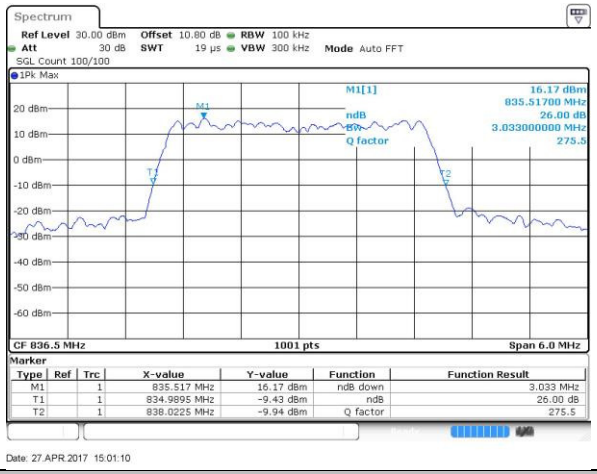
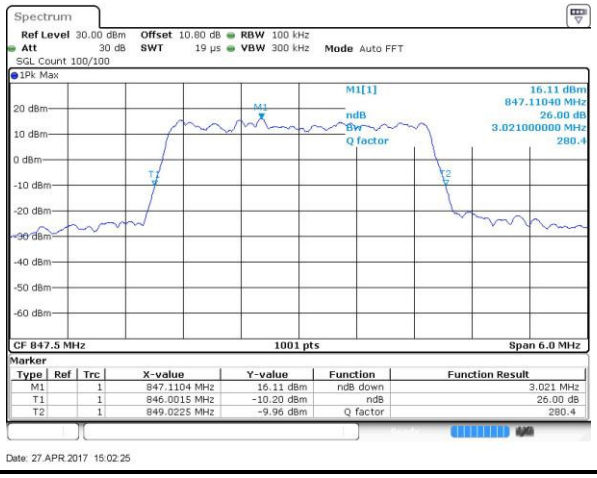
Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

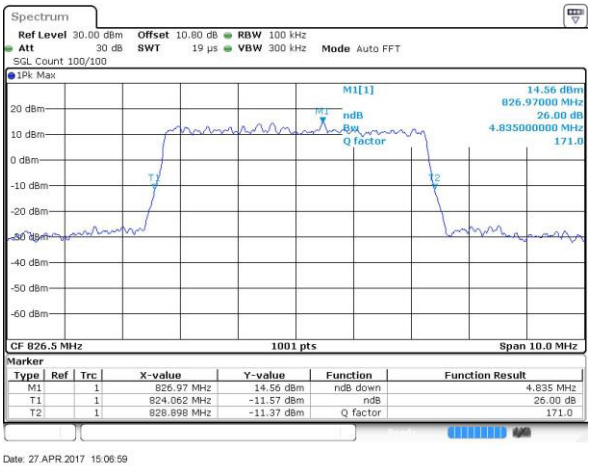


LTE Band 5	
	Lowest Channel / 1.4MHz / 64QAM
	
	Middle Channel / 1.4MHz / 64QAM
	
	Highest Channel / 1.4MHz / 64QAM
	

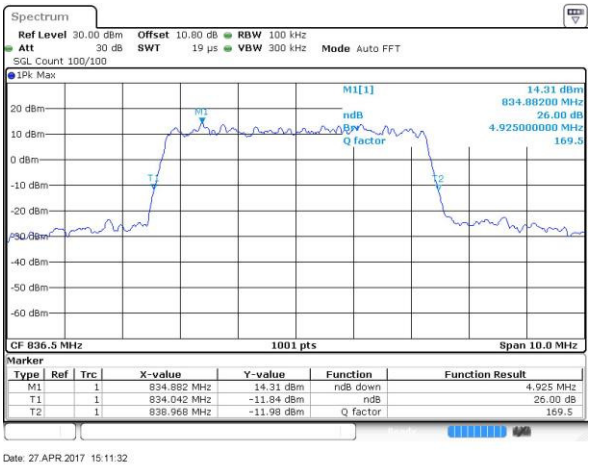
LTE Band 5	
	Lowest Channel / 3MHz / 64QAM
	
	Middle Channel /3MHz / 64QAM
	
	Highest Channel /3MHz / 64QAM
	

LTE Band 5

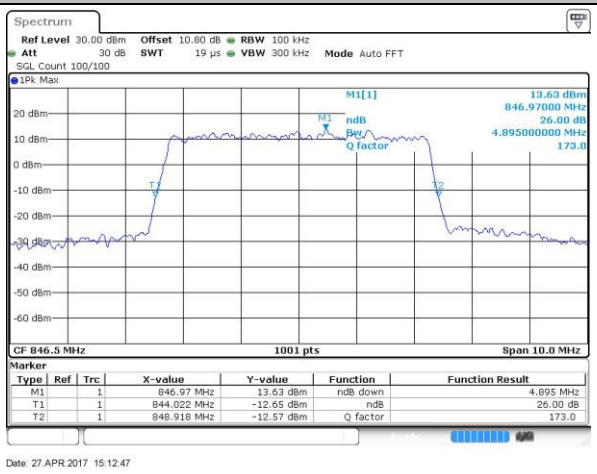
Lowest Channel / 5MHz / 64QAM

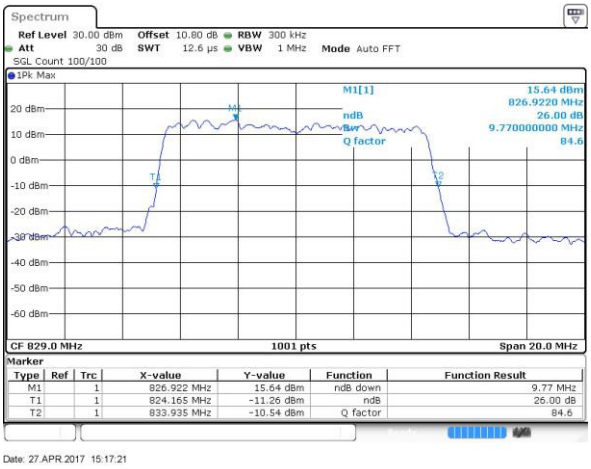
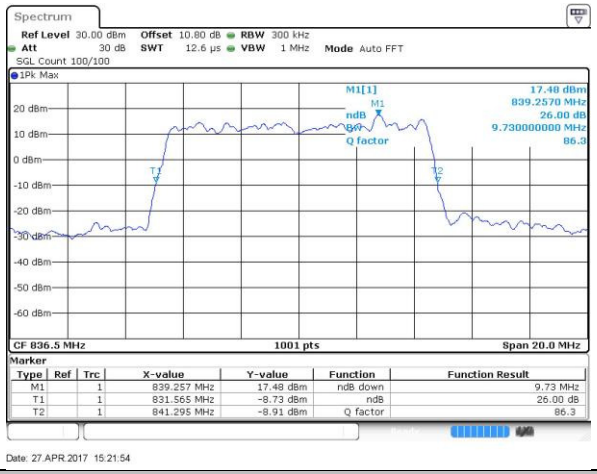
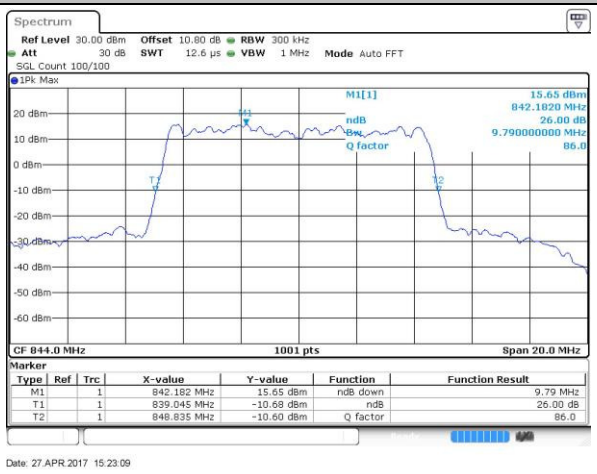


Middle Channel / 5MHz / 64QAM



Highest Channel / 5MHz / 64QAM



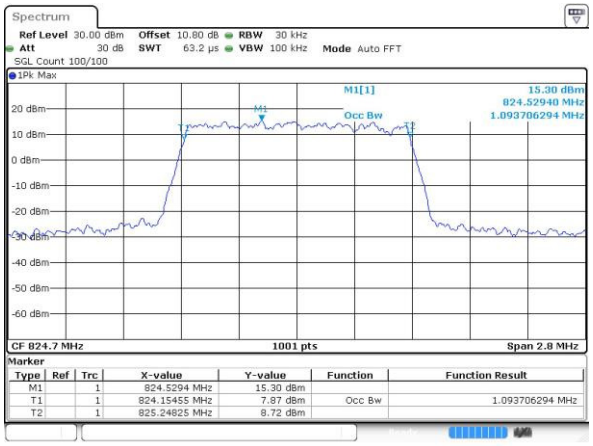
LTE Band 5	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

Occupied Bandwidth

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	1.09	1.09	2.71	2.72	4.49	4.48	9.03	9.05	-	-	-	-
Middle CH	1.09	1.1	2.71	2.72	4.49	4.47	9.05	8.95	-	-	-	-
Highest CH	1.09	1.09	2.73	2.7	4.49	4.49	9.07	9.01	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	1.08	-	2.72	-	4.5	-	8.97	-	-	-	-
Middle CH	-	1.09	-	2.72	-	4.51	-	9.03	-	-	-	-
Highest CH	-	1.1	-	2.7	-	4.52	-	8.99	-	-	-	-

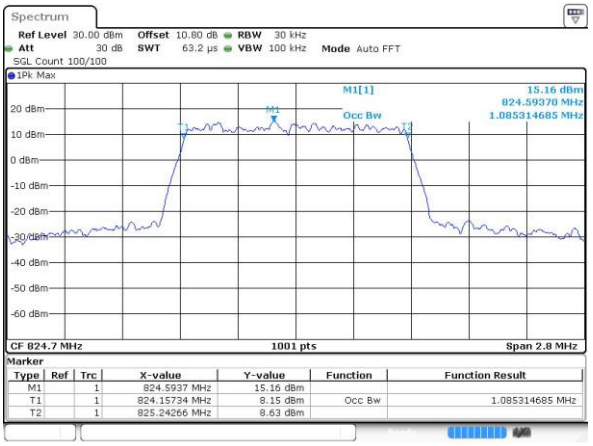
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



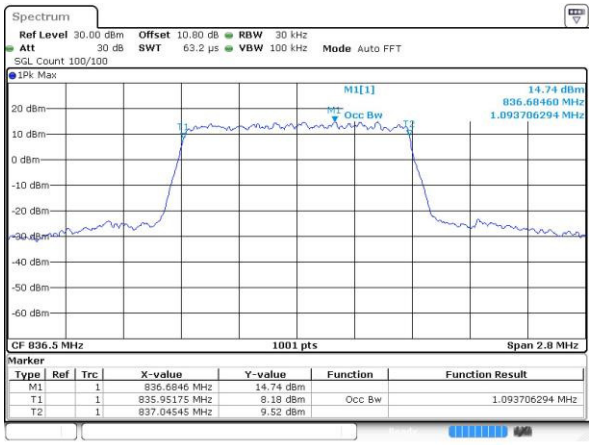
Date: 6.APR.2017 20:51:59

Lowest Channel / 1.4MHz / 16QAM



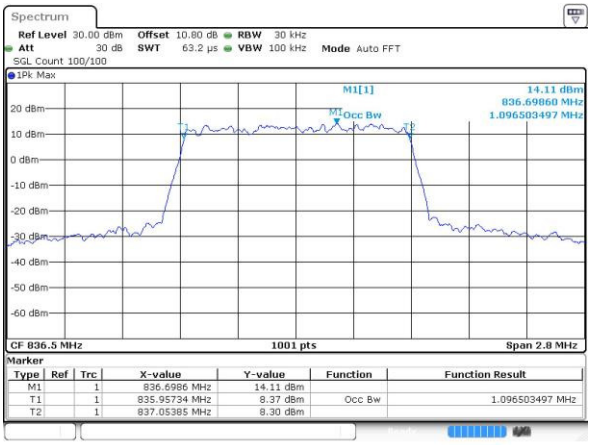
Date: 6.APR.2017 20:52:10

Middle Channel / 1.4MHz / QPSK



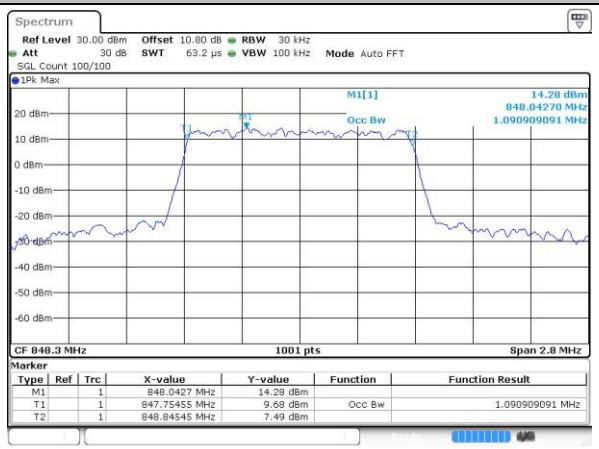
Date: 6.APR.2017 21:01:05

Middle Channel / 1.4MHz / 16QAM



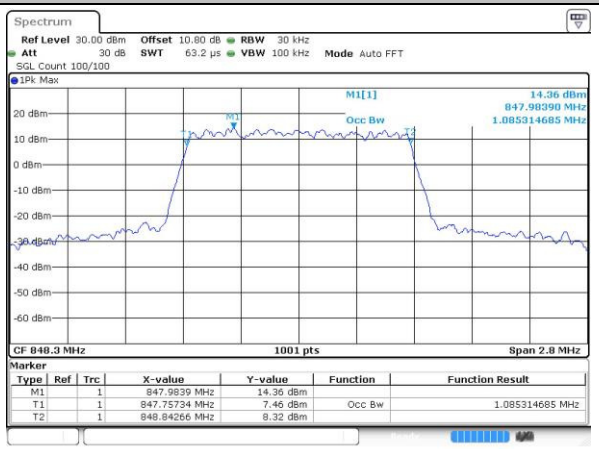
Date: 6.APR.2017 21:01:16

Highest Channel / 1.4MHz / QPSK



Date: 6.APR.2017 21:03:37

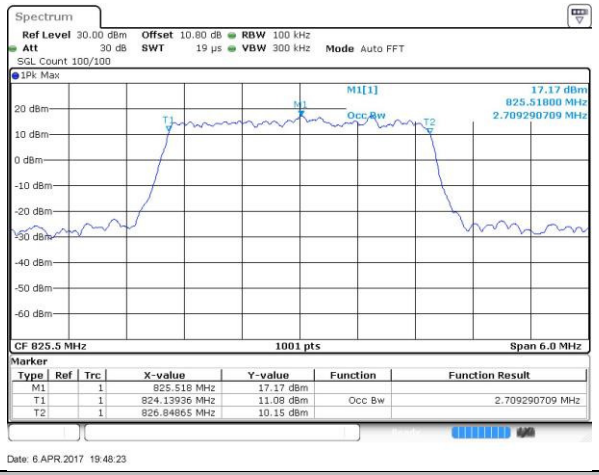
Highest Channel / 1.4MHz / 16QAM



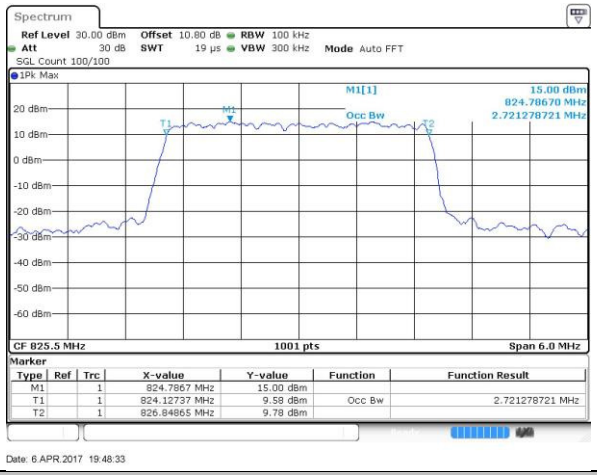
Date: 6.APR.2017 21:03:47

LTE Band 5

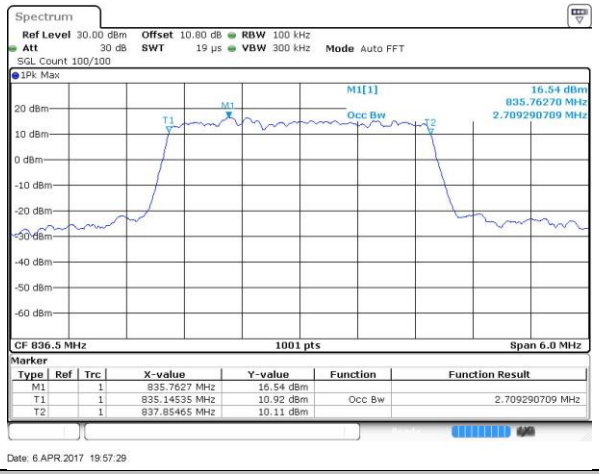
Lowest Channel / 3MHz / QPSK



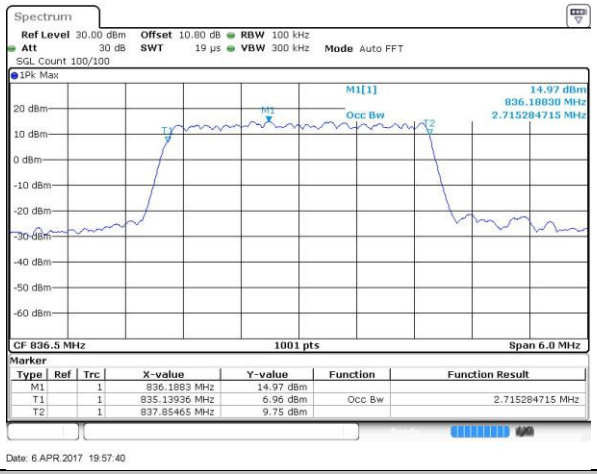
Lowest Channel / 3MHz / 16QAM



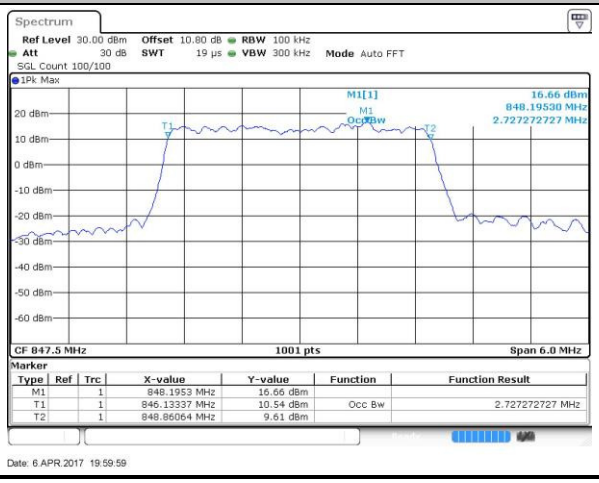
Middle Channel / 3MHz / QPSK



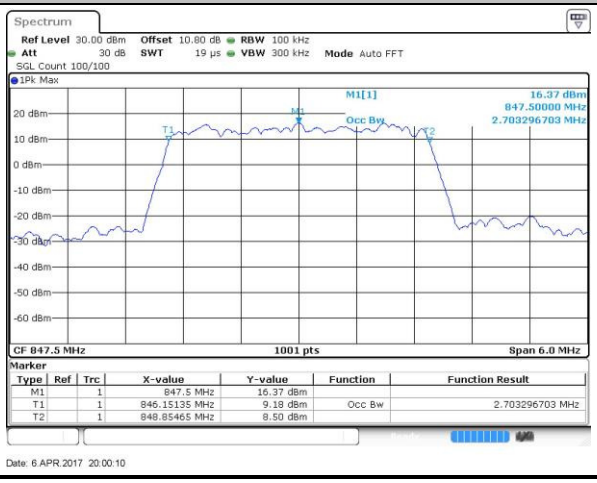
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

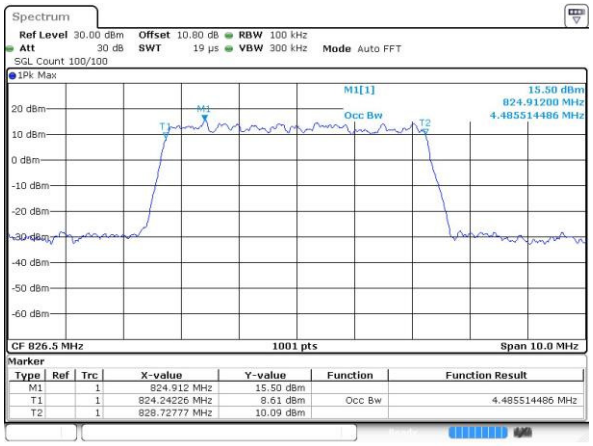


Highest Channel / 3MHz / 16QAM

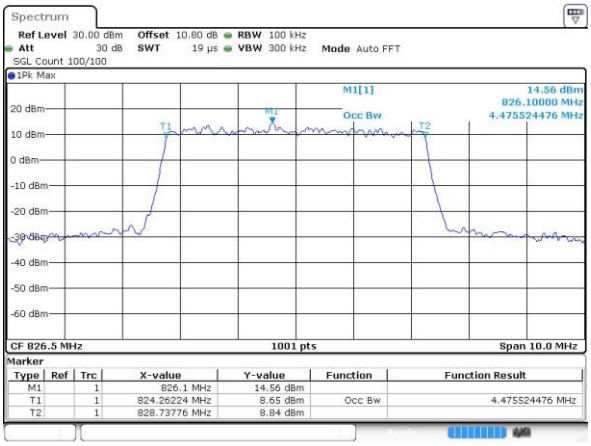


LTE Band 5

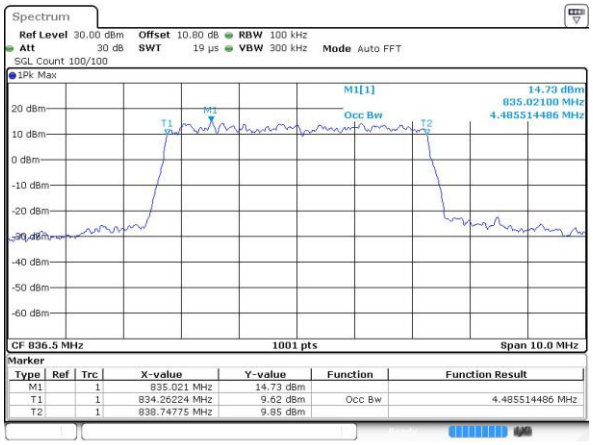
Lowest Channel / 5MHz / QPSK



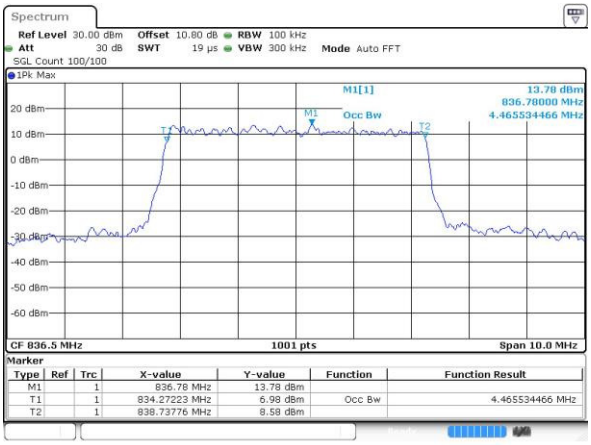
Lowest Channel / 5MHz / 16QAM



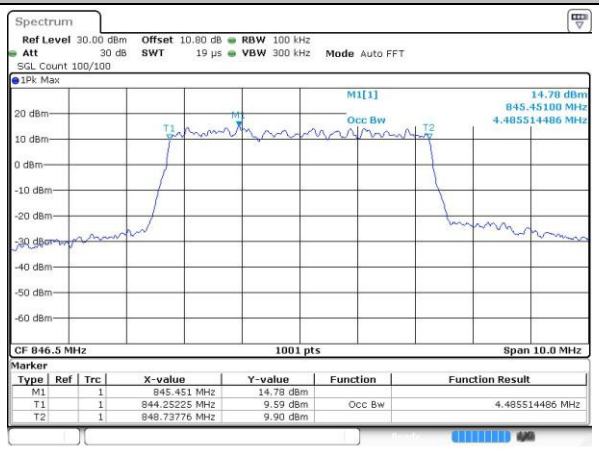
Middle Channel / 5MHz / QPSK



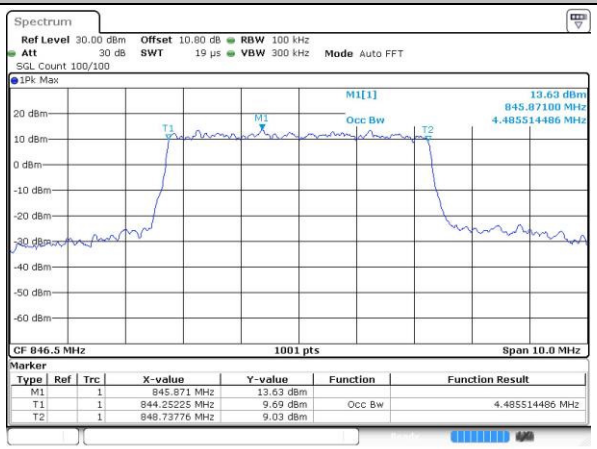
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

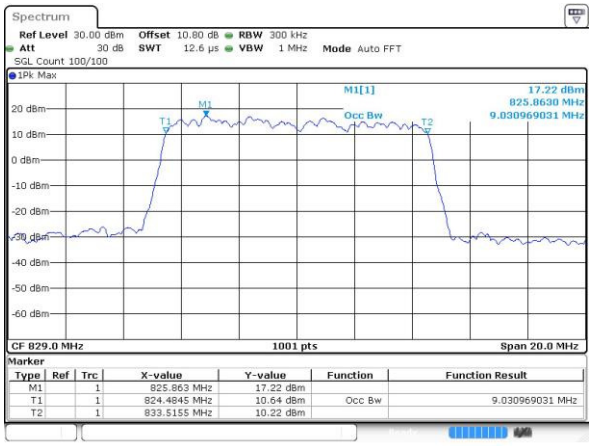


Highest Channel / 5MHz / 16QAM



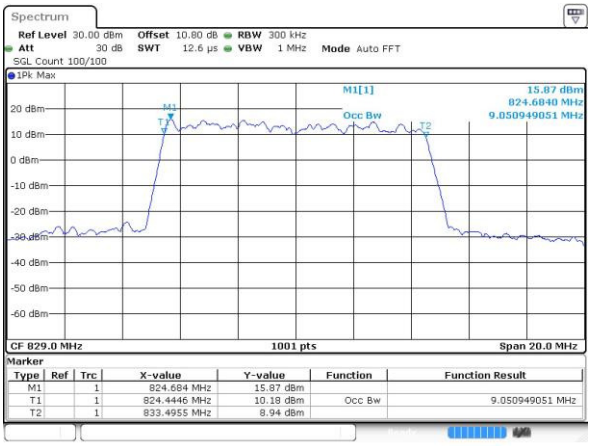
LTE Band 5

Lowest Channel / 10MHz / QPSK



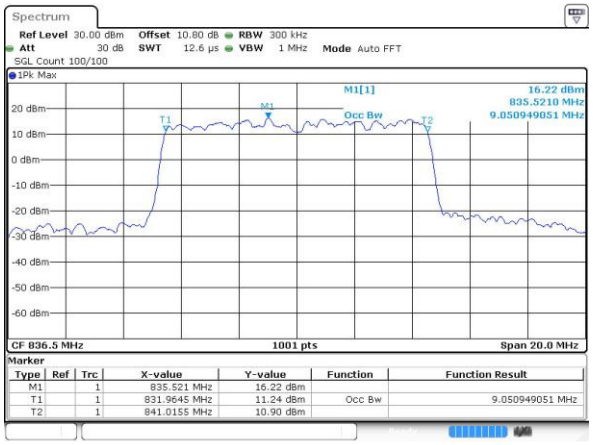
Date: 6.APR.2017 20:29:48

Lowest Channel / 10MHz / 16QAM



Date: 6.APR.2017 20:29:59

Middle Channel / 10MHz / QPSK



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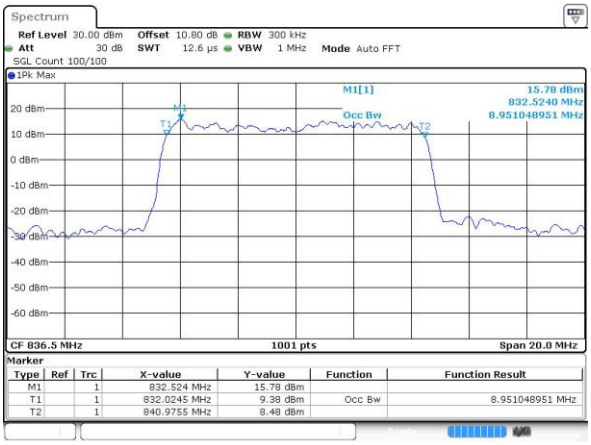
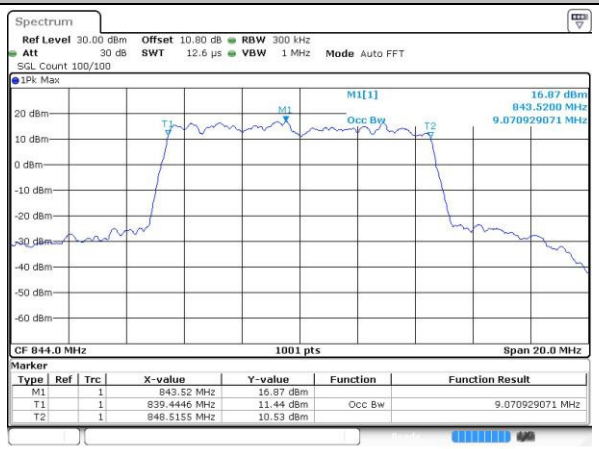
Middle Channel / 10MHz / 16QAM



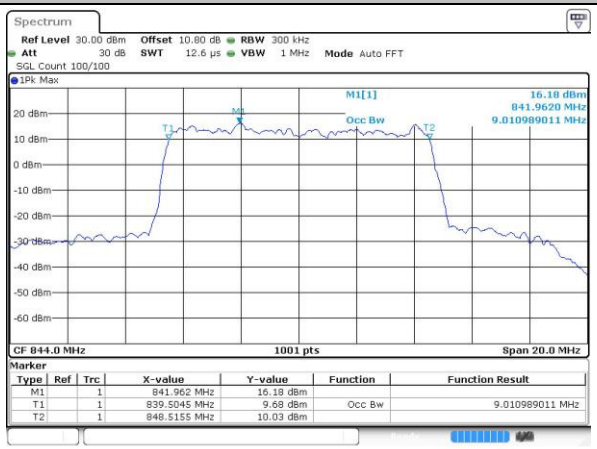
Date: 6.APR.2017 20:39:05

Highest Channel / 10MHz / QPSK

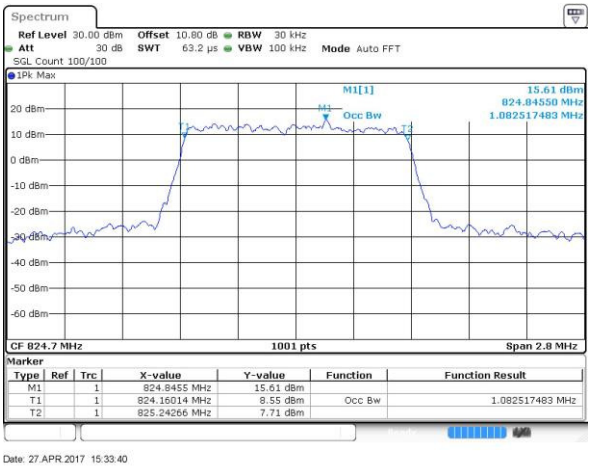
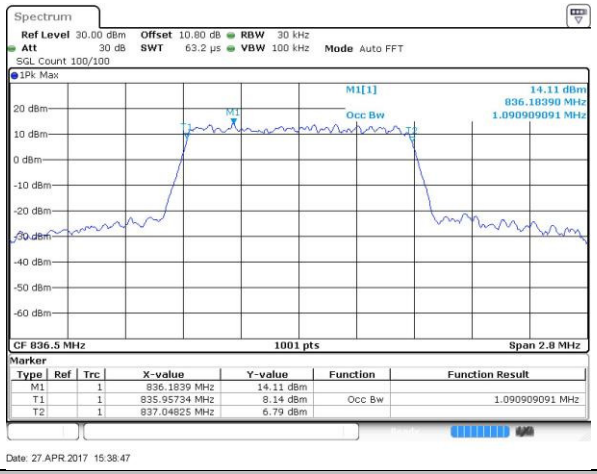


Date: 6.APR.2017 20:41:24

Highest Channel / 10MHz / 16QAM



Date: 6.APR.2017 20:41:35

LTE Band 5	
	Lowest Channel / 1.4MHz / 64QAM
	
	Middle Channel / 1.4MHz / 64QAM
	
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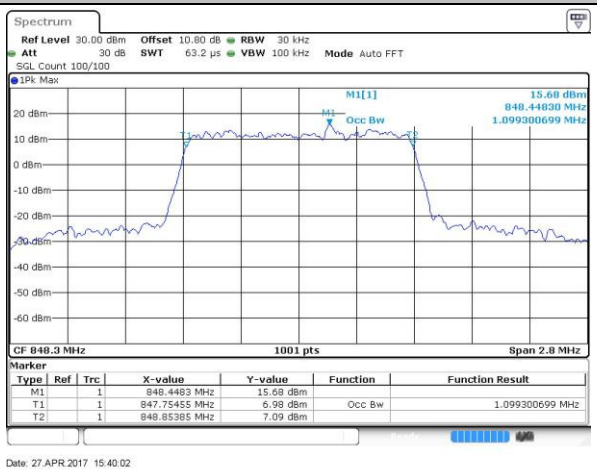
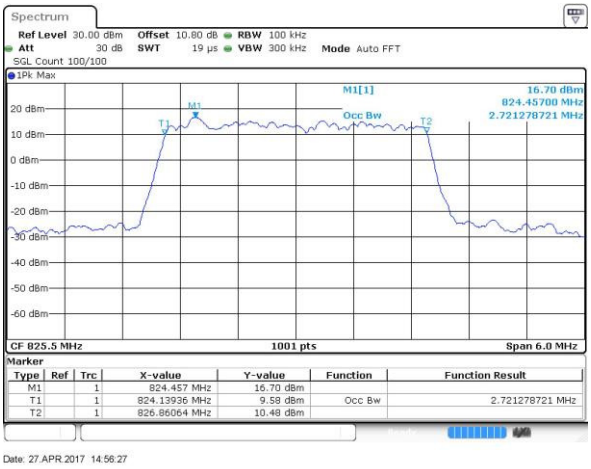
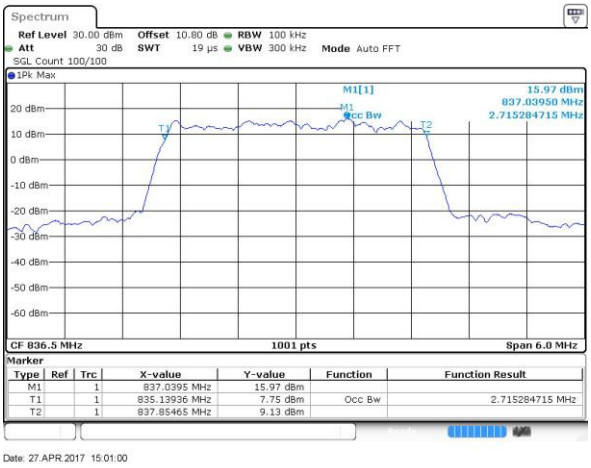
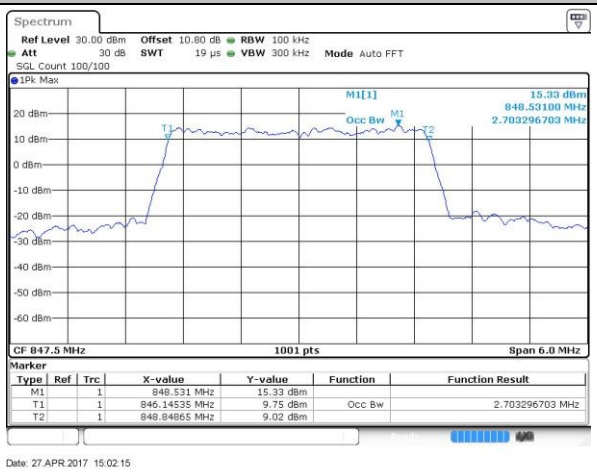
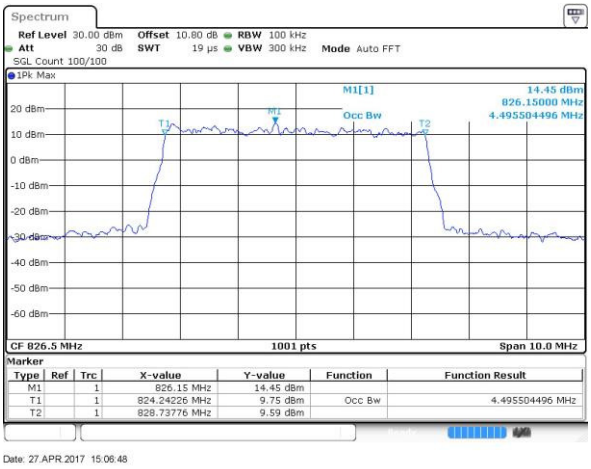
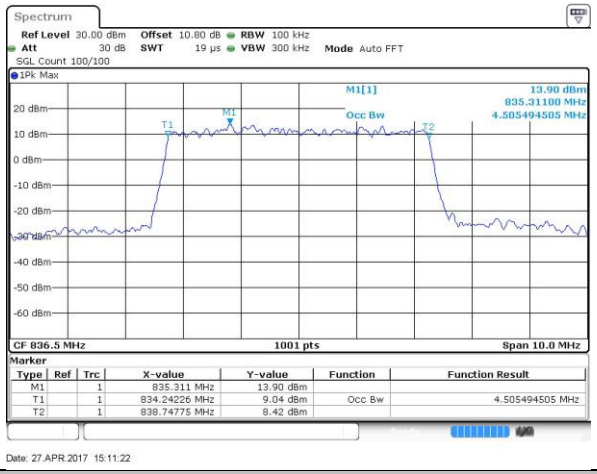
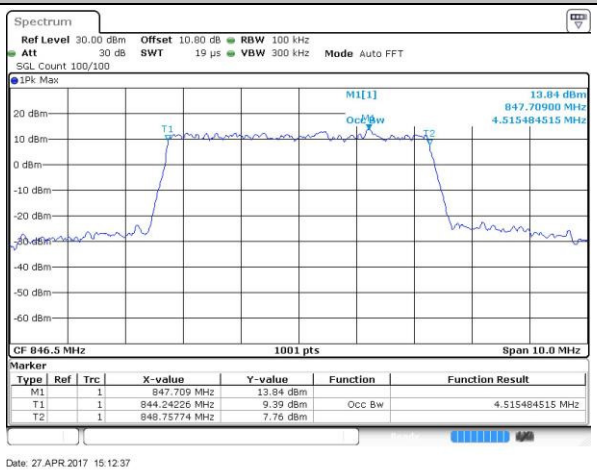
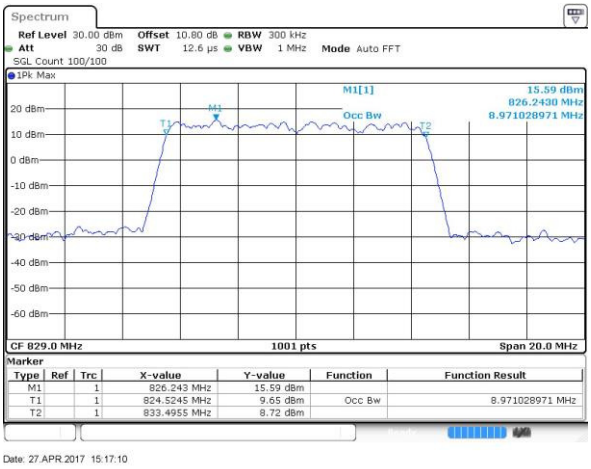
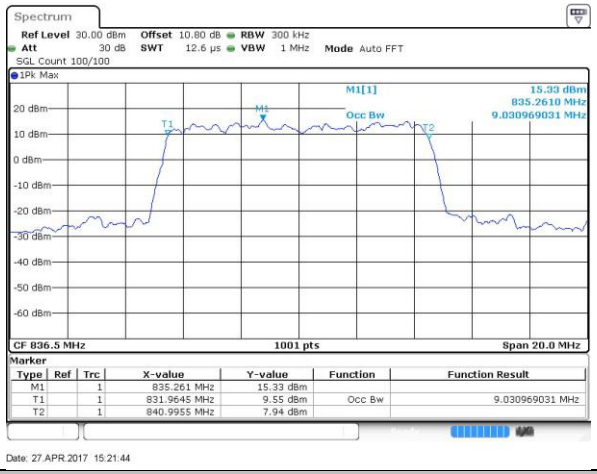
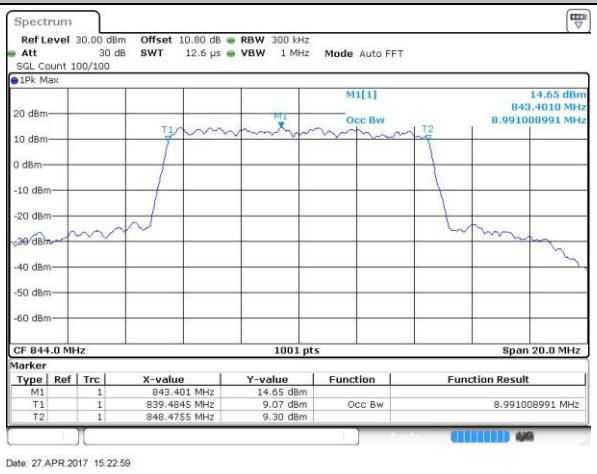
	

LTE Band 5	
	Lowest Channel / 3MHz / 64QAM
	
	Middle Channel / 3MHz / 64QAM
	
	Highest Channel / 3MHz / 64QAM
	

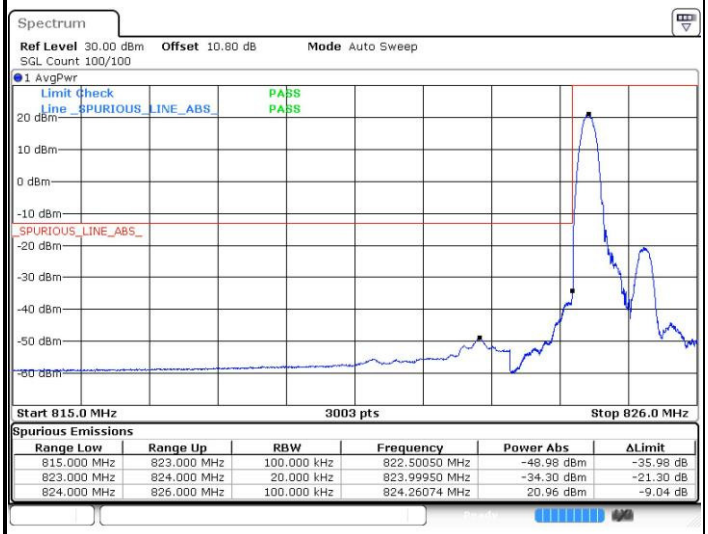
LTE Band 5	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 5	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

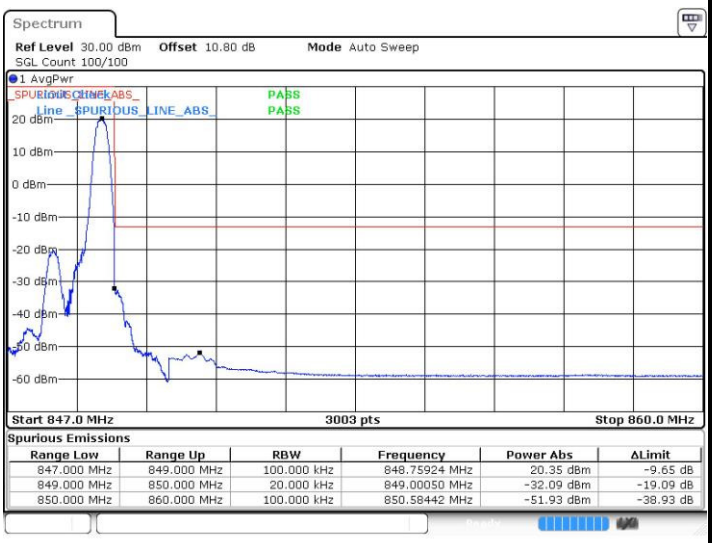


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.50050 MHz	-48.98 dBm	-35.98 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.30 dBm	-21.30 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.26074 MHz	20.96 dBm	-9.04 dB

Date: 6.APR.2017 20:54:09

Highest Band Edge / 1RB

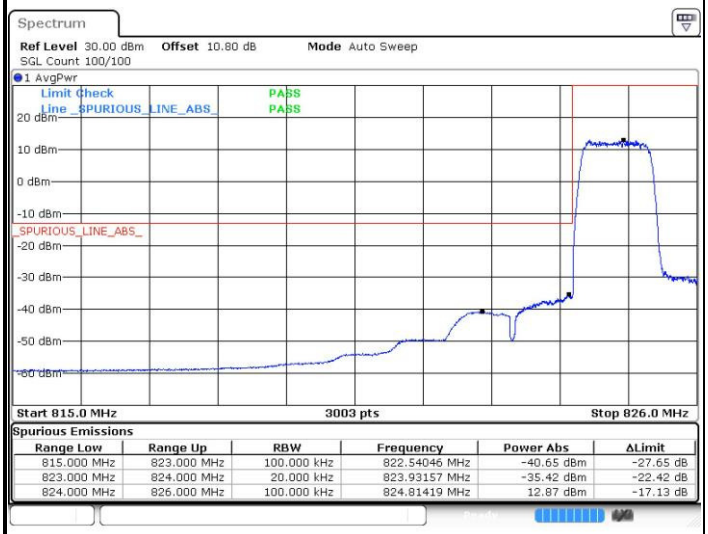


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75924 MHz	20.35 dBm	-9.65 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-32.09 dBm	-19.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.58442 MHz	-51.93 dBm	-38.93 dB

Date: 6.APR.2017 21:09:05

Lowest Band Edge / Full RB

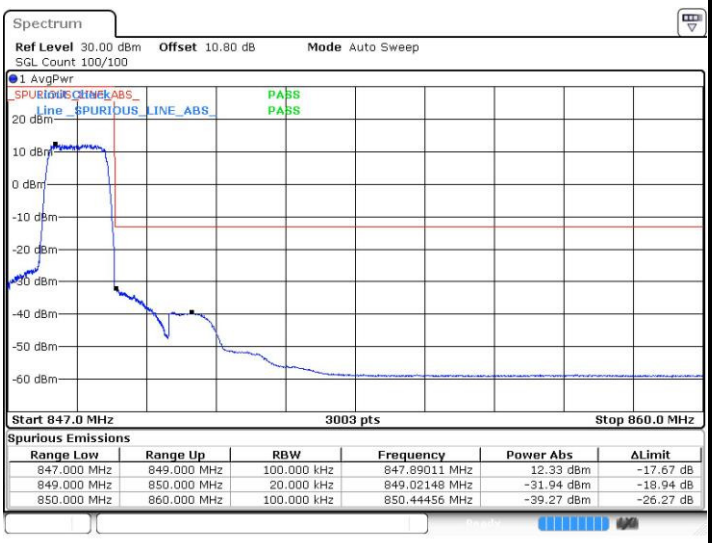


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.54046 MHz	-40.65 dBm	-27.65 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.93157 MHz	-35.42 dBm	-22.42 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.81419 MHz	12.87 dBm	-17.13 dB

Date: 6.APR.2017 20:57:27

Highest Band Edge / Full RB



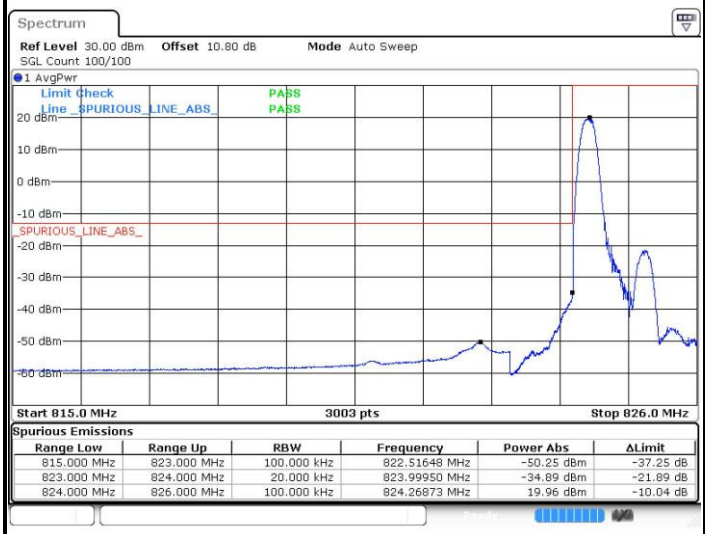
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.89011 MHz	12.33 dBm	-17.67 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.02148 MHz	-31.94 dBm	-18.94 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.44456 MHz	-39.27 dBm	-26.27 dB

Date: 6.APR.2017 21:05:47

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

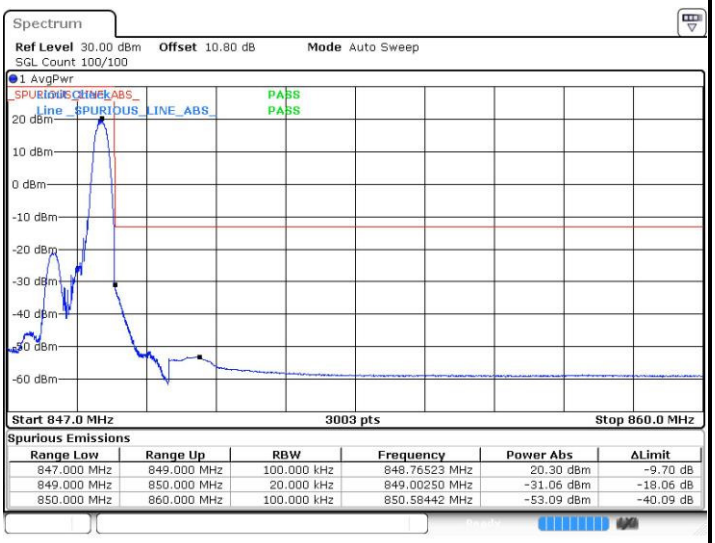


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.51648 MHz	-50.25 dBm	-37.25 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.89 dBm	-21.89 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.26873 MHz	19.96 dBm	-10.04 dB

Date: 6.APR.2017 20:55:48

Highest Band Edge / 1 RB

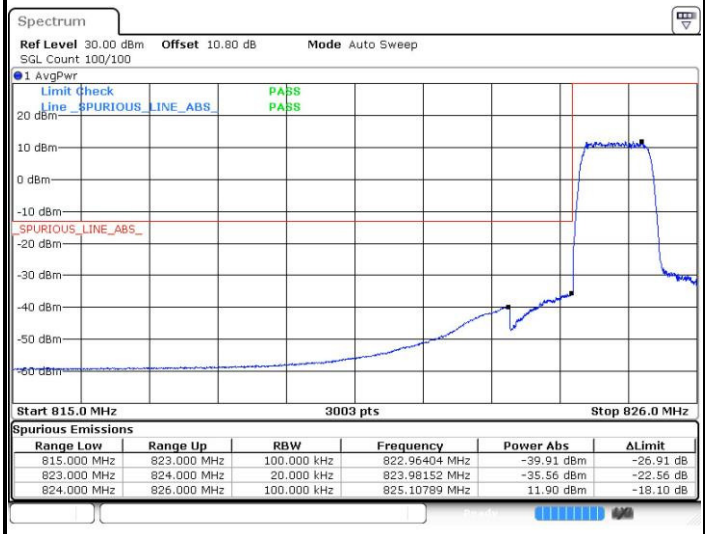


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76523 MHz	20.30 dBm	-9.70 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00250 MHz	-31.06 dBm	-18.06 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.58442 MHz	-53.09 dBm	-40.09 dB

Date: 6.APR.2017 21:10:44

Lowest Band Edge / Full RB

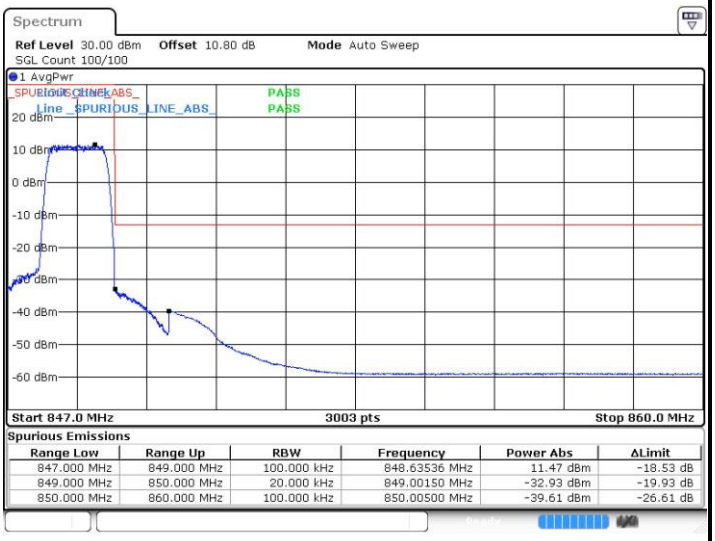


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-39.91 dBm	-26.91 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.98152 MHz	-35.56 dBm	-22.56 dB
824.000 MHz	826.000 MHz	100.000 kHz	825.10789 MHz	11.90 dBm	-18.10 dB

Date: 6.APR.2017 20:59:06

Highest Band Edge / Full RB



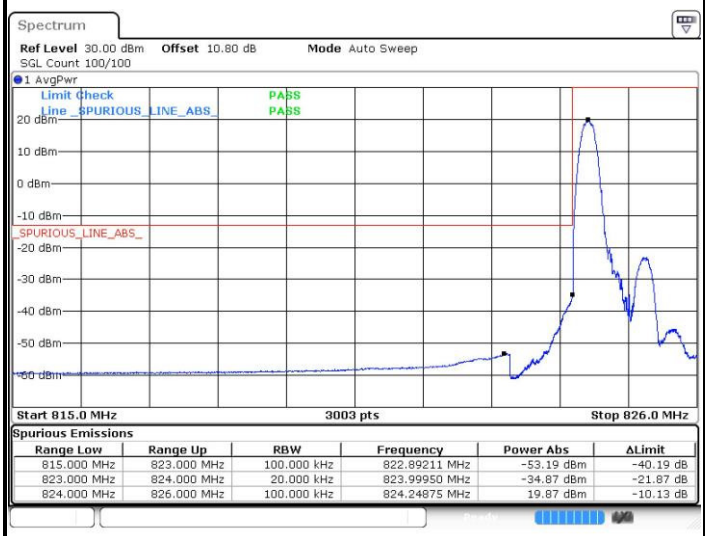
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.63536 MHz	11.47 dBm	-18.53 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-32.93 dBm	-19.93 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-39.61 dBm	-26.61 dB

Date: 6.APR.2017 21:07:26

LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.89211 MHz	-53.19 dBm	-40.19 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.87 dBm	-21.87 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24875 MHz	19.87 dBm	-10.13 dB

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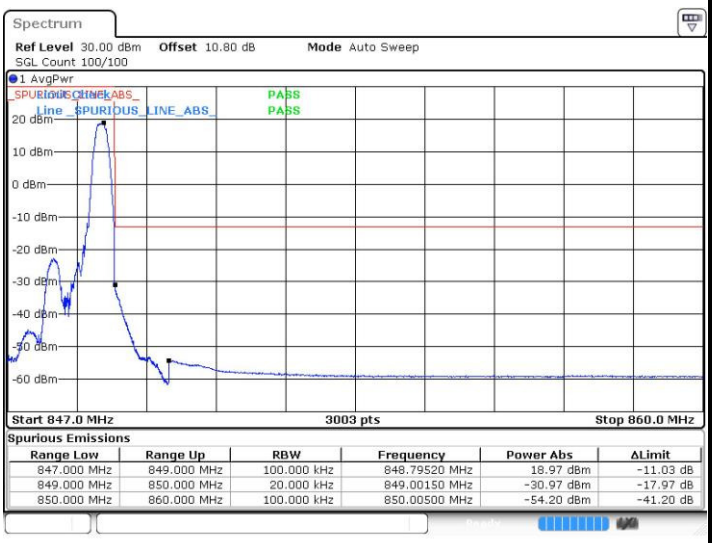
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.79520 MHz	18.97 dBm	-11.03 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-30.97 dBm	-17.97 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-54.20 dBm	-41.20 dB

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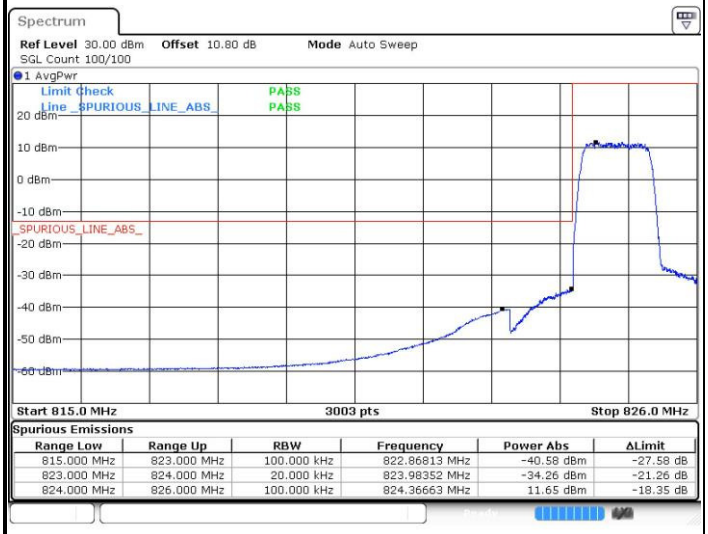
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.86813 MHz	-40.58 dBm	-27.58 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.98352 MHz	-34.26 dBm	-21.26 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.36663 MHz	11.65 dBm	-18.35 dB

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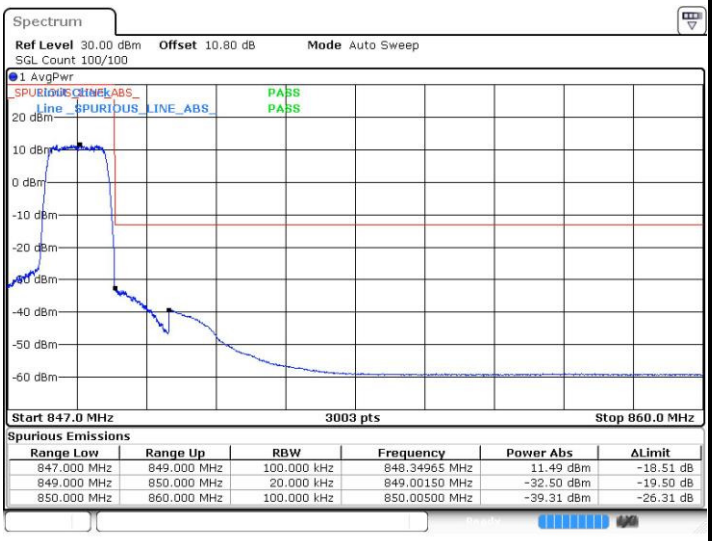
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.34965 MHz	11.49 dBm	-18.51 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-32.50 dBm	-19.50 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-39.31 dBm	-26.31 dB

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