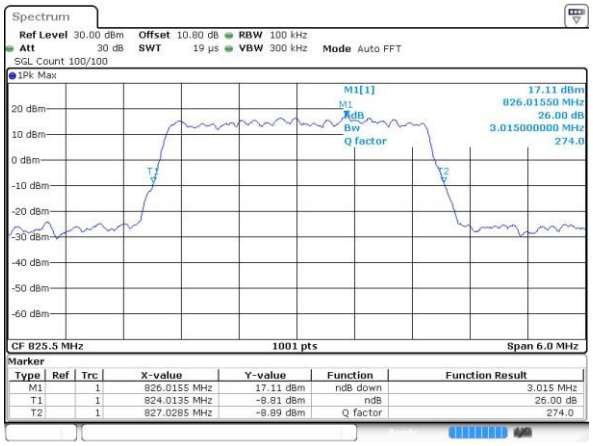
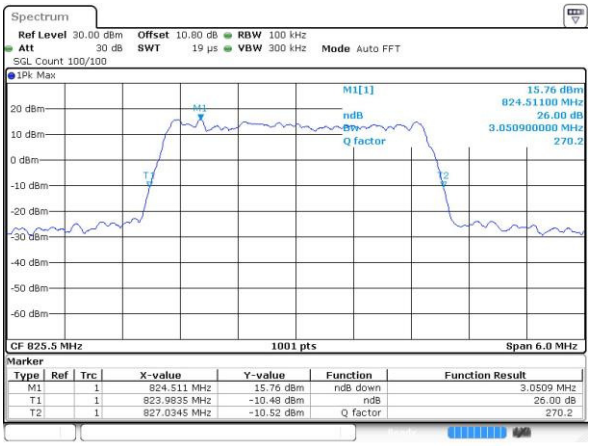
LTE Band 5

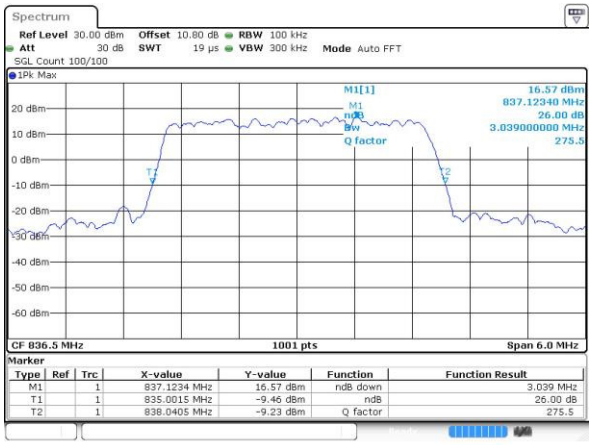
Lowest Channel / 3MHz / QPSK



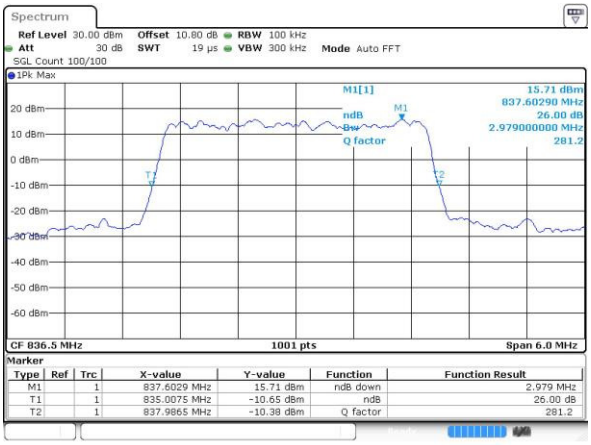
Lowest Channel / 3MHz / 16QAM



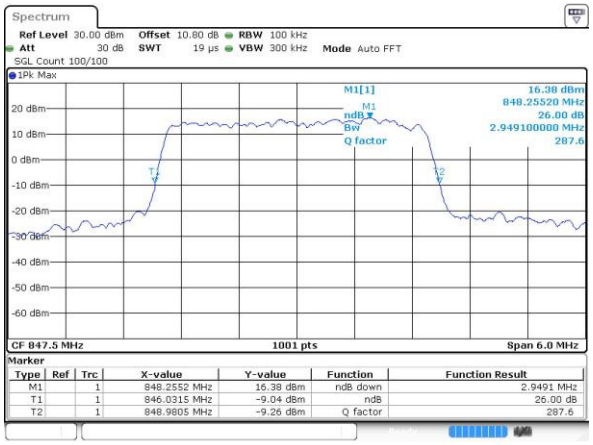
Middle Channel / 3MHz / QPSK



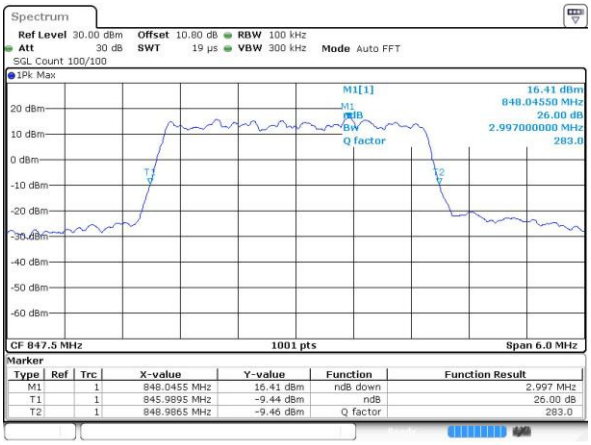
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

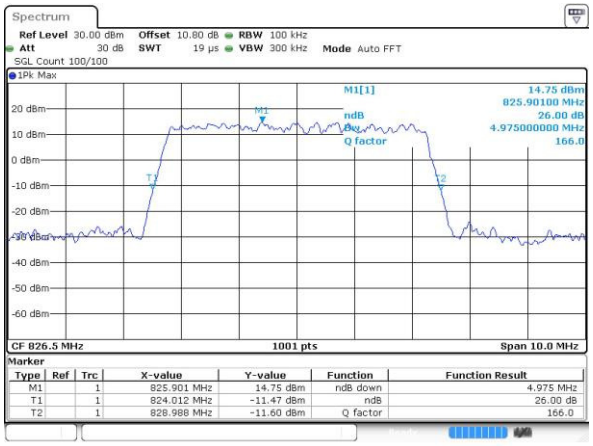


Highest Channel /3MHz / 16QAM

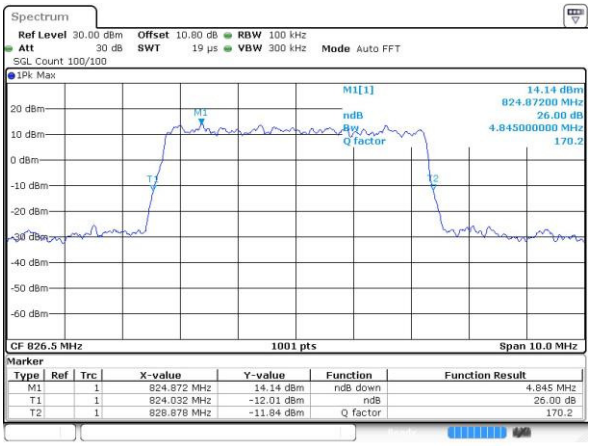


LTE Band 5

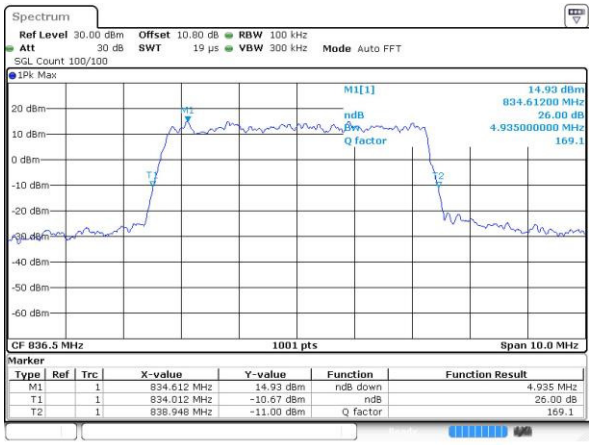
Lowest Channel / 5MHz / QPSK



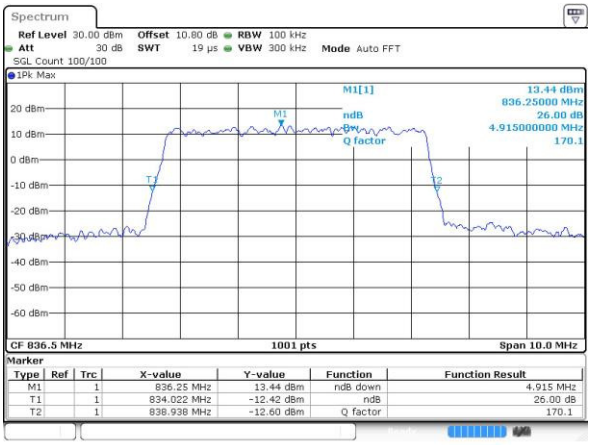
Lowest Channel / 5MHz / 16QAM



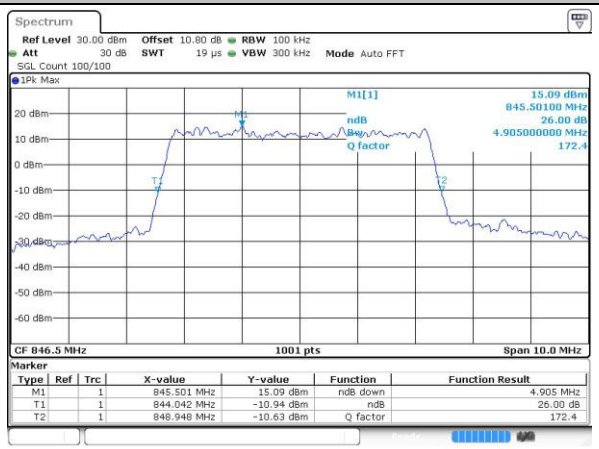
Middle Channel / 5MHz / QPSK



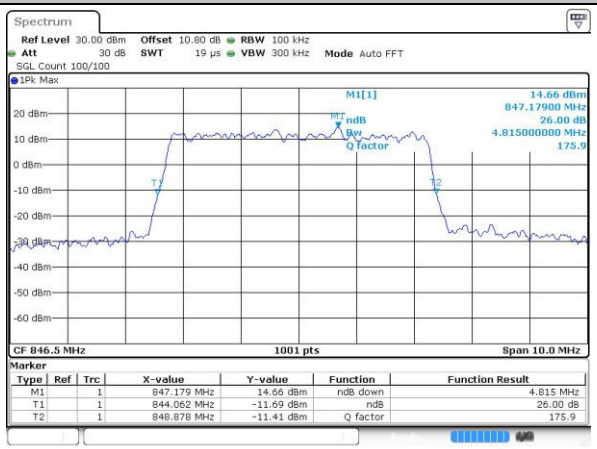
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

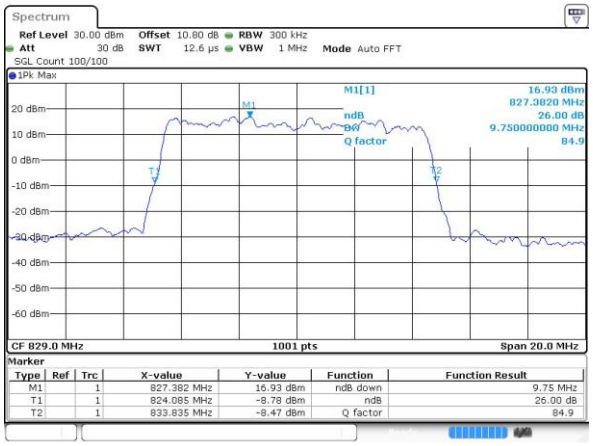


Highest Channel / 5MHz / 16QAM

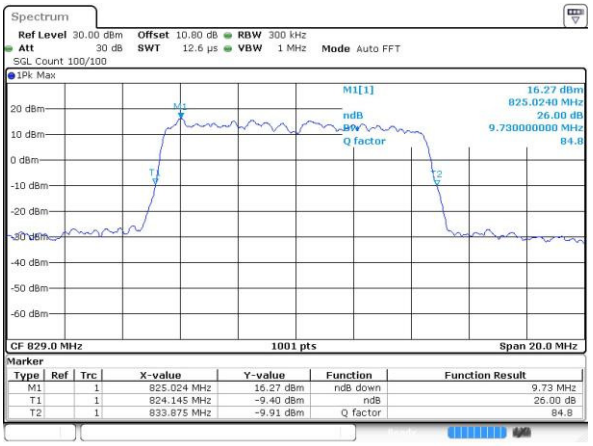


LTE Band 5

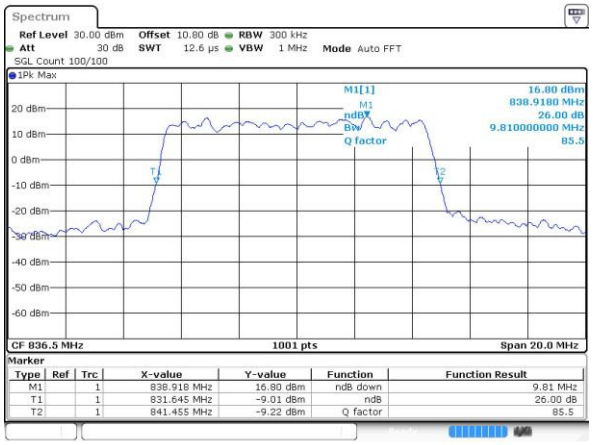
Lowest Channel / 10MHz / QPSK



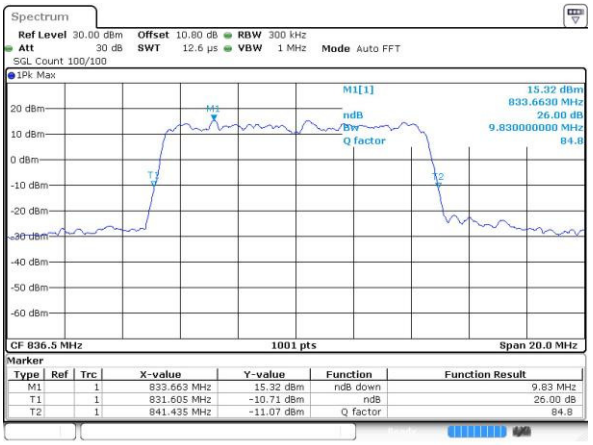
Lowest Channel / 10MHz / 16QAM



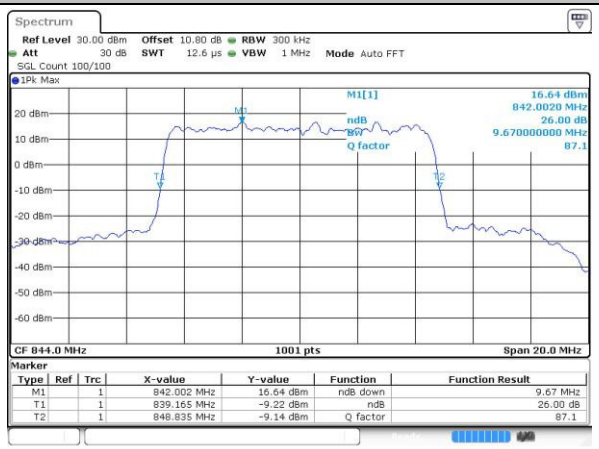
Middle Channel / 10MHz / QPSK



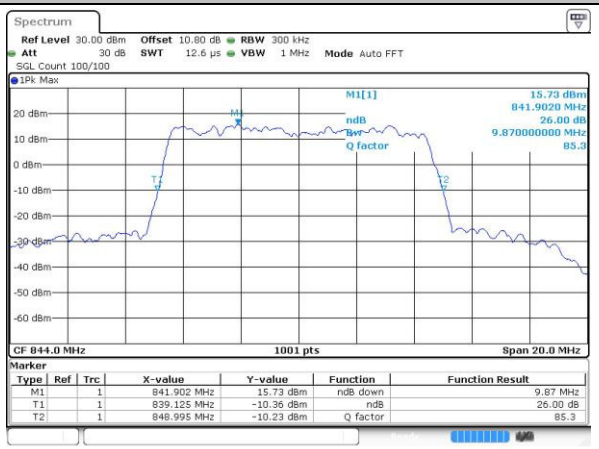
Middle Channel / 10MHz / 16QAM

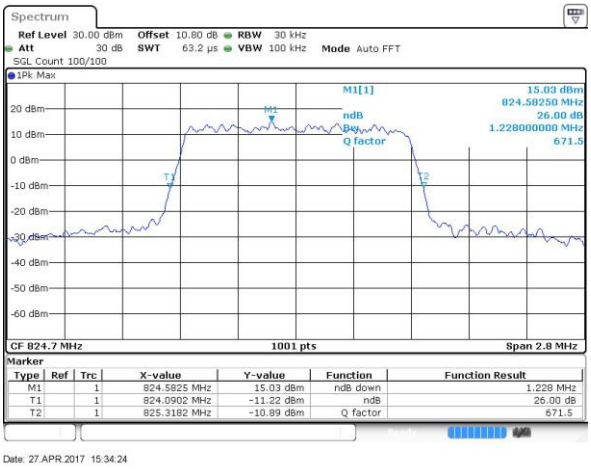
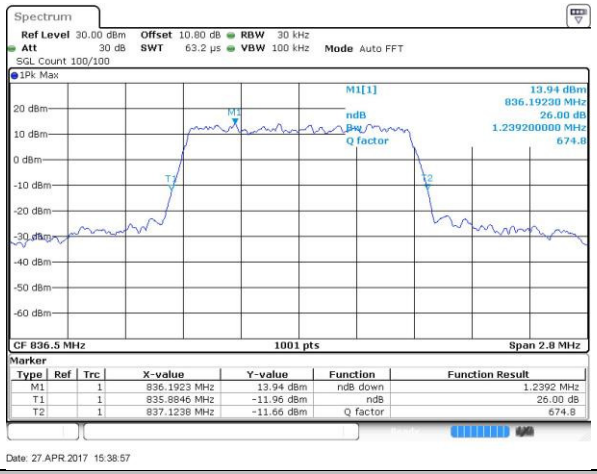
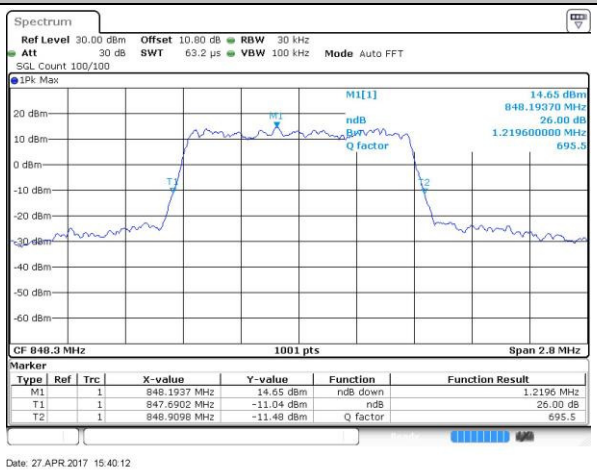


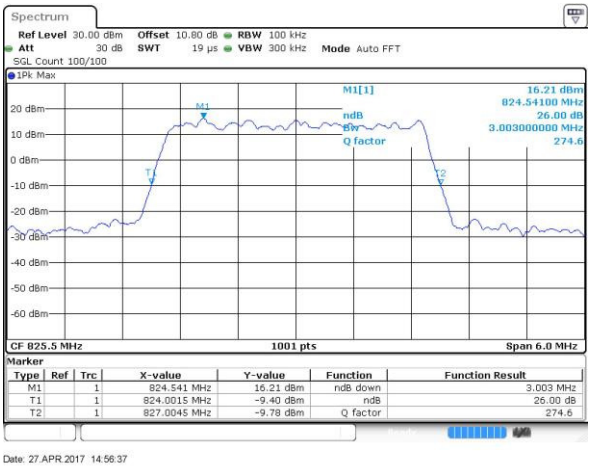
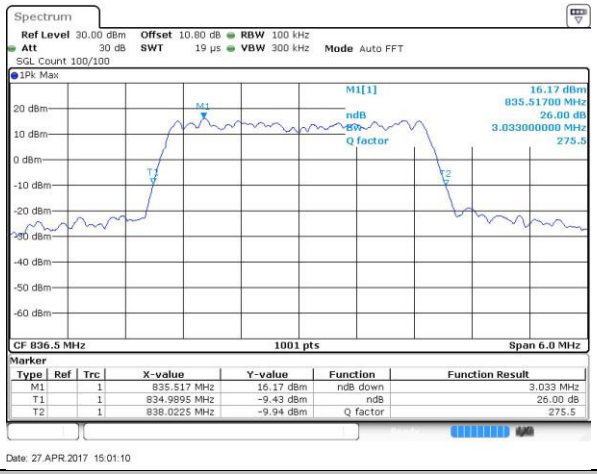
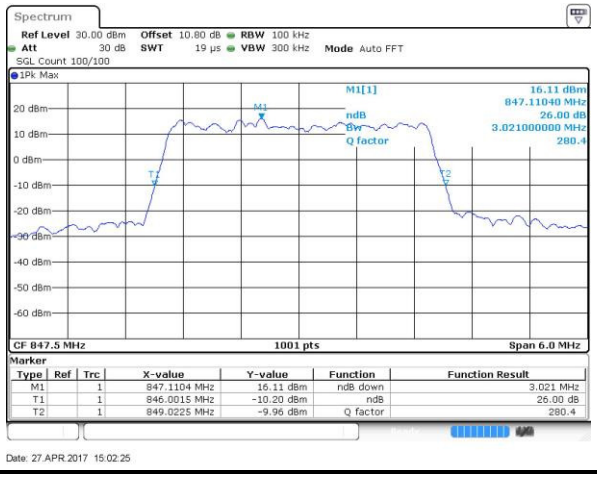
Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

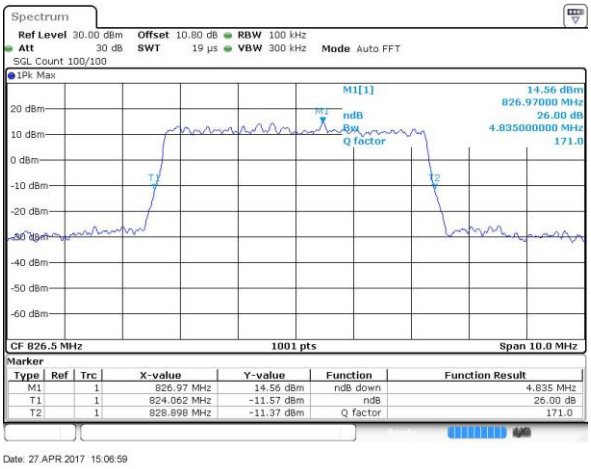


LTE Band 5	
	Lowest Channel / 1.4MHz / 64QAM
	
	Middle Channel / 1.4MHz / 64QAM
	
	Highest Channel / 1.4MHz / 64QAM
	

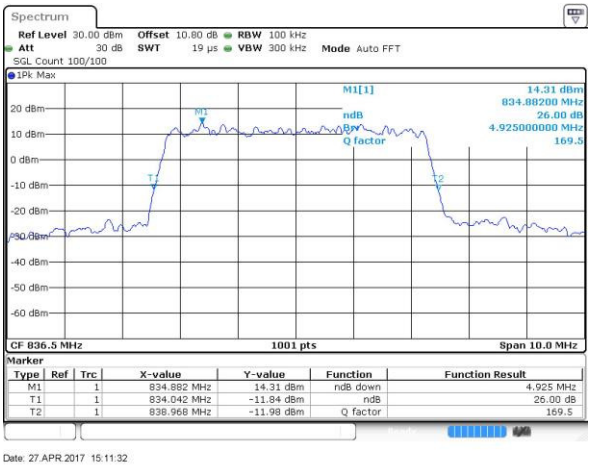
LTE Band 5	
	Lowest Channel / 3MHz / 64QAM
	
	Middle Channel /3MHz / 64QAM
	
	Highest Channel /3MHz / 64QAM
	

LTE Band 5

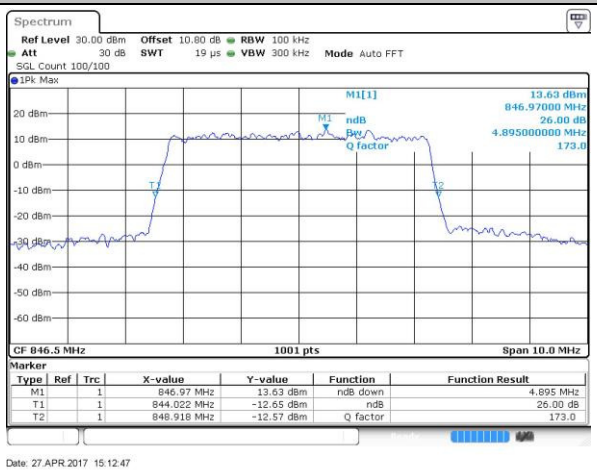
Lowest Channel / 5MHz / 64QAM

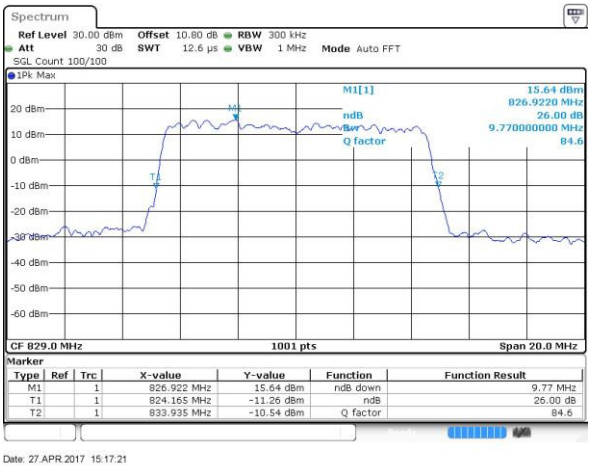
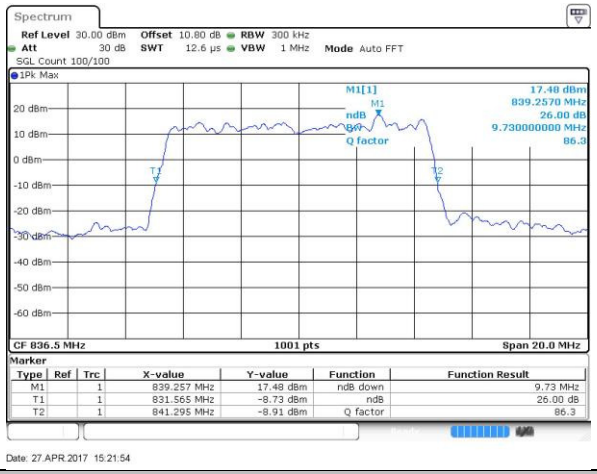
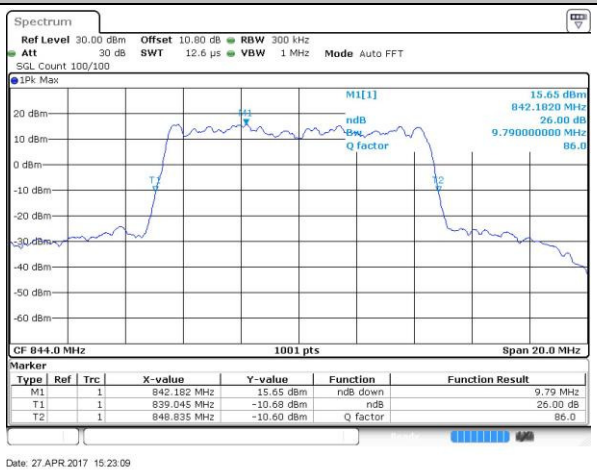


Middle Channel / 5MHz / 64QAM



Highest Channel / 5MHz / 64QAM



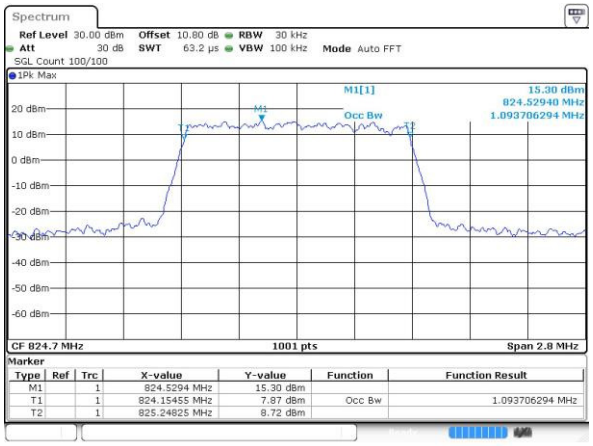
LTE Band 5	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

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	-	-	-	-

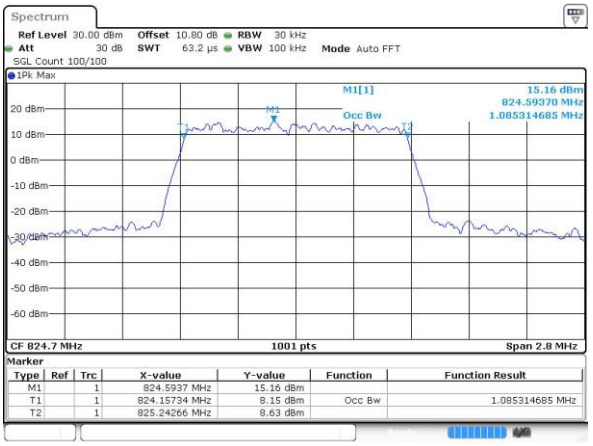
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



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

Lowest Channel / 1.4MHz / 16QAM



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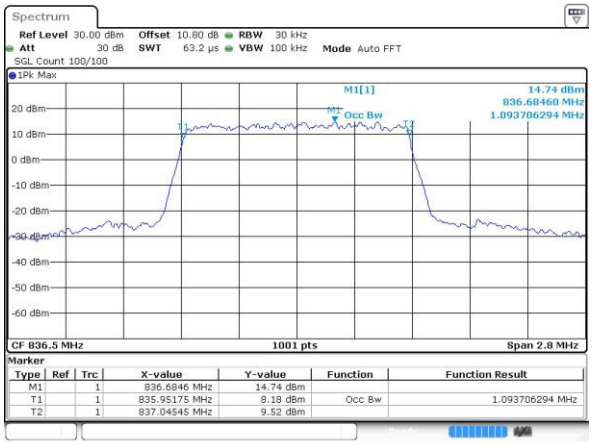
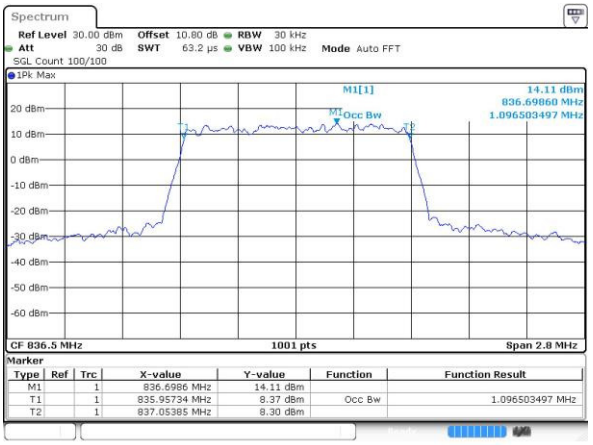
Middle Channel / 1.4MHz / QPSK



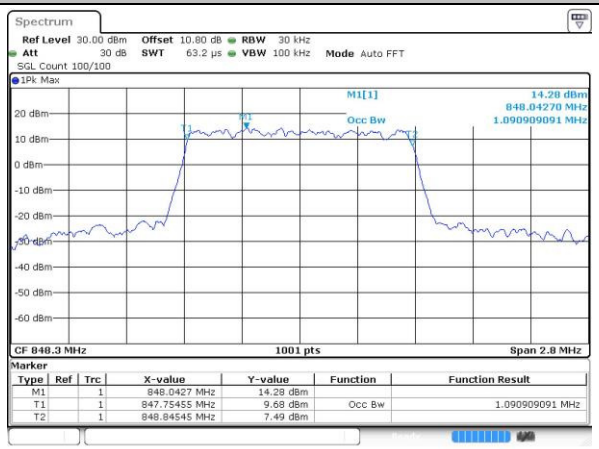
Date: 6.APR.2017 21:01:05

Middle Channel / 1.4MHz / 16QAM



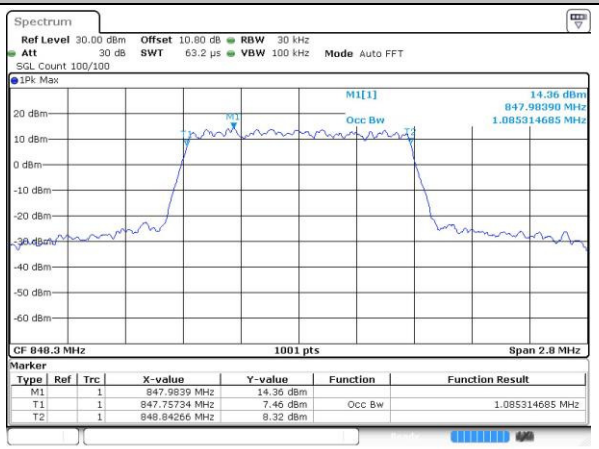
Date: 6.APR.2017 21:01:16

Highest Channel / 1.4MHz / QPSK



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

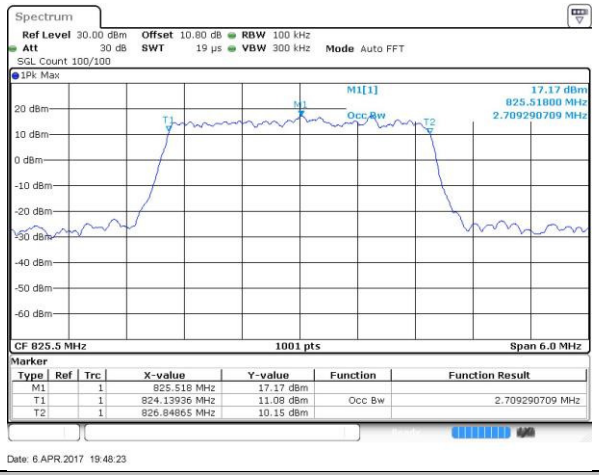
Highest Channel / 1.4MHz / 16QAM



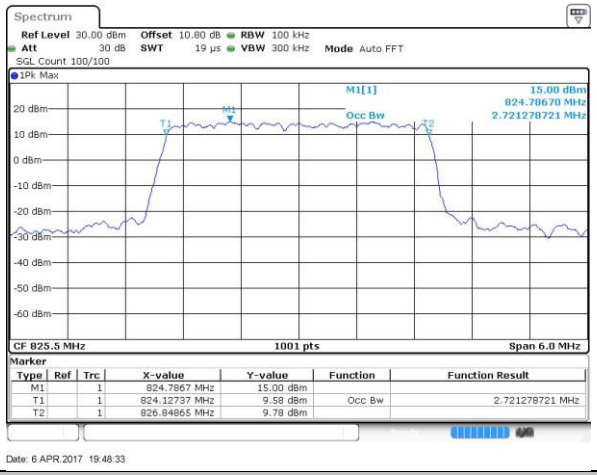
Date: 6.APR.2017 21:03:47

LTE Band 5

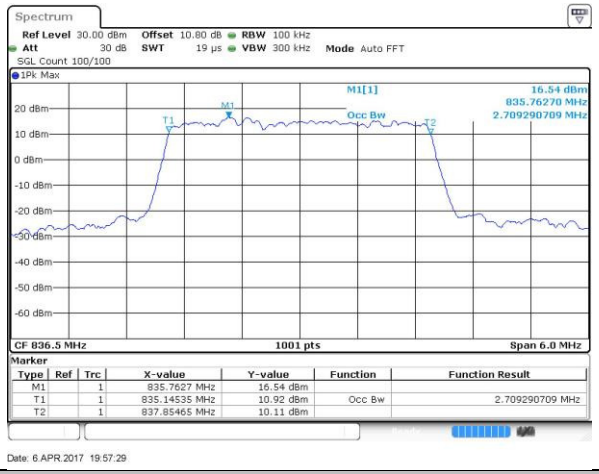
Lowest Channel / 3MHz / QPSK



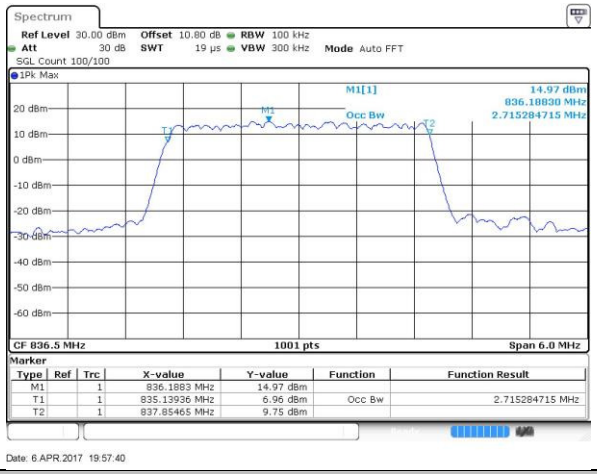
Lowest Channel / 3MHz / 16QAM



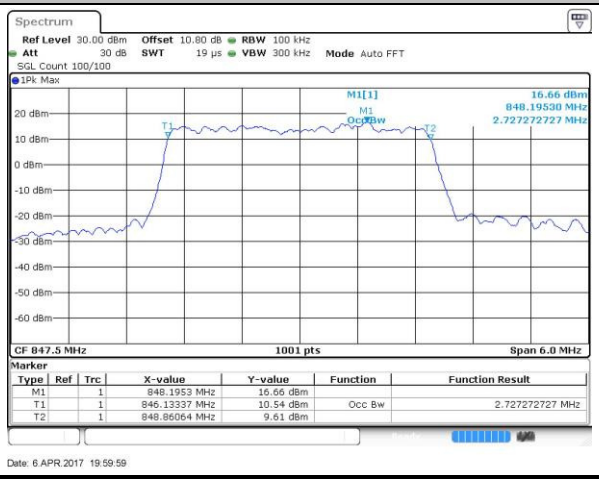
Middle Channel / 3MHz / QPSK



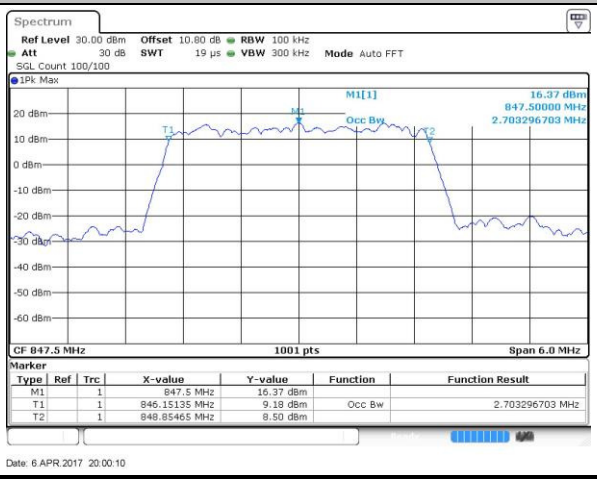
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

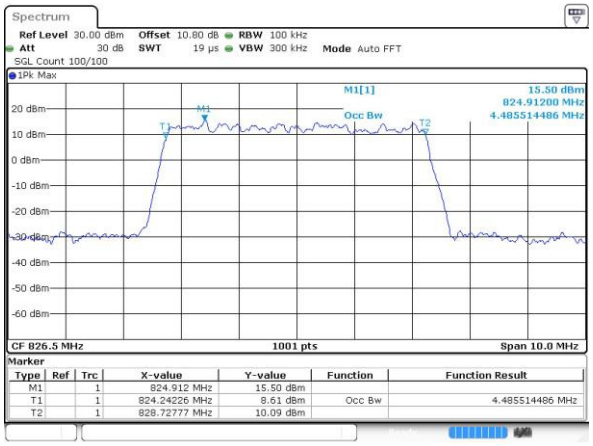


Highest Channel / 3MHz / 16QAM

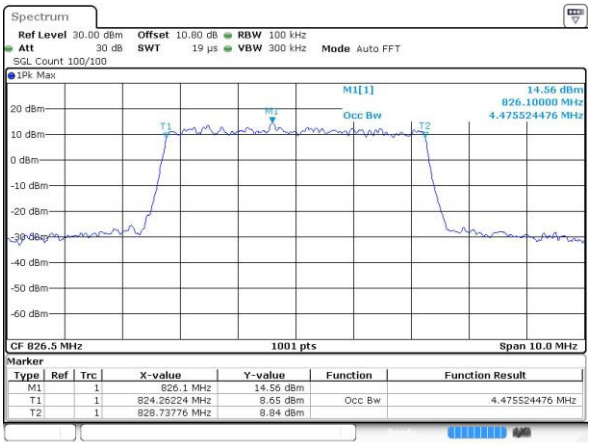


LTE Band 5

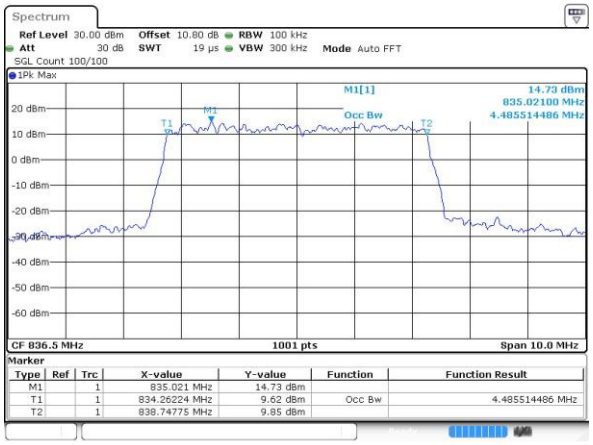
Lowest Channel / 5MHz / QPSK



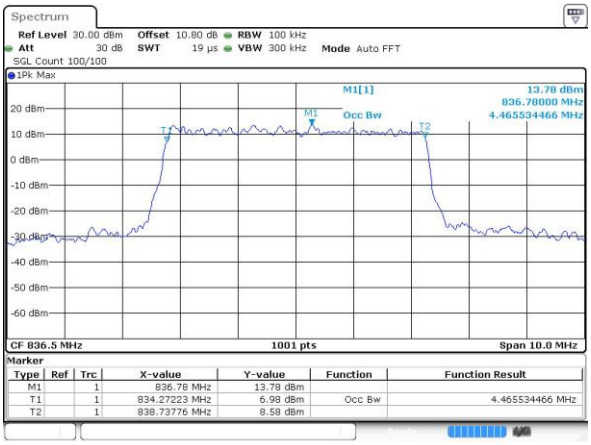
Lowest Channel / 5MHz / 16QAM



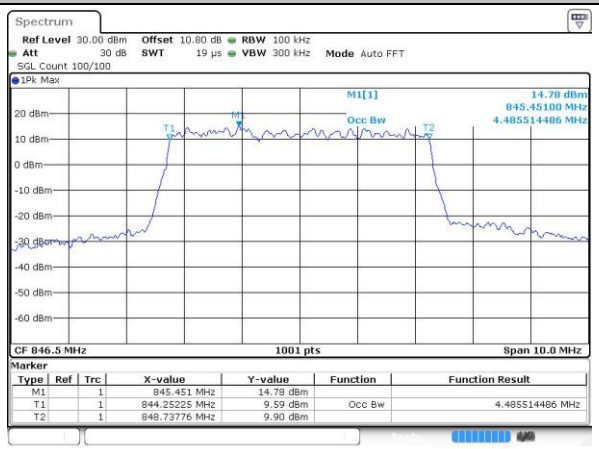
Middle Channel / 5MHz / QPSK



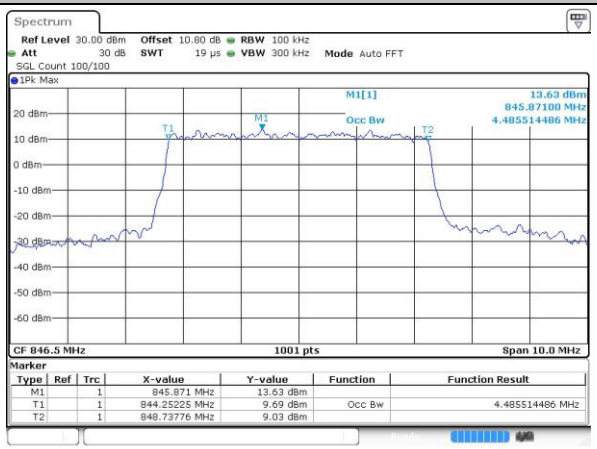
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

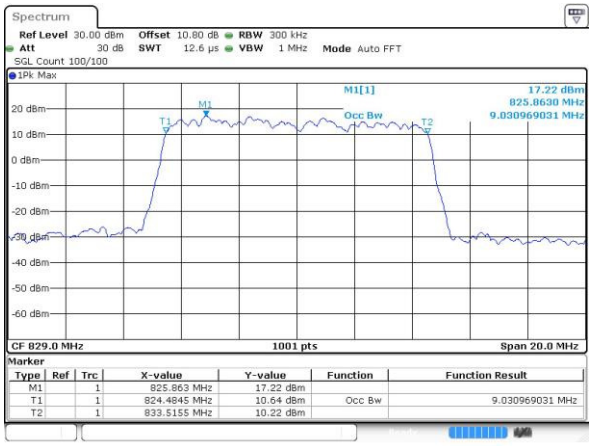


Highest Channel / 5MHz / 16QAM



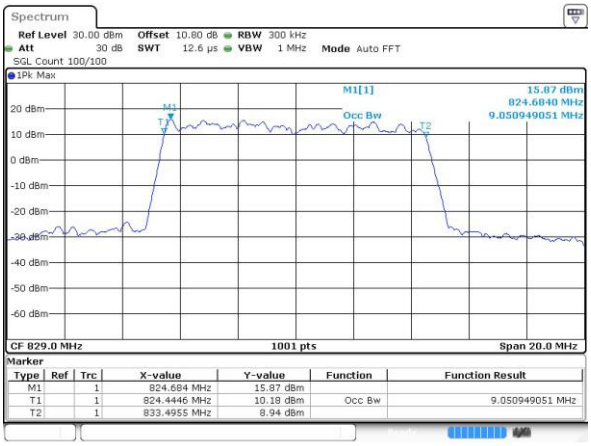
LTE Band 5

Lowest Channel / 10MHz / QPSK



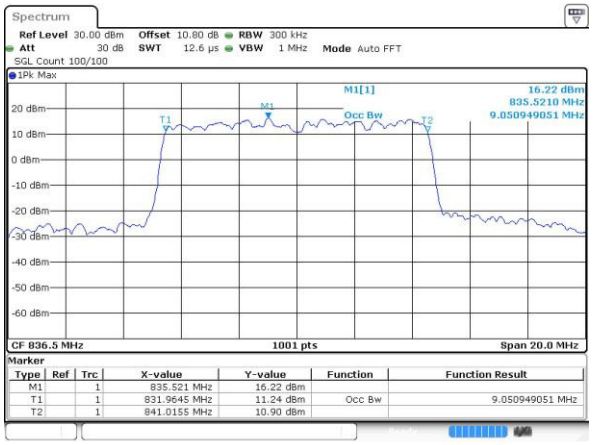
Date: 6.APR.2017 20:29:48

Lowest Channel / 10MHz / 16QAM



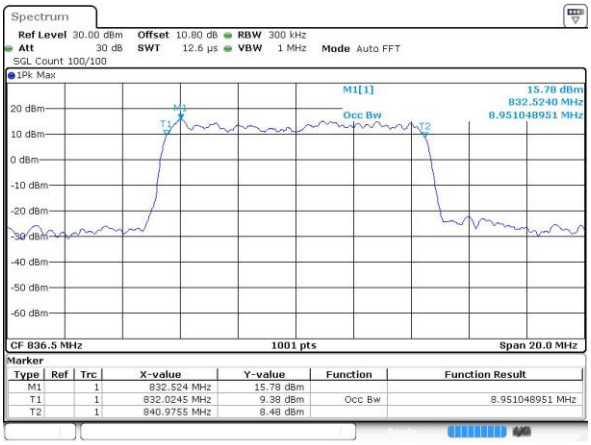
Date: 6.APR.2017 20:29:59

Middle Channel / 10MHz / QPSK



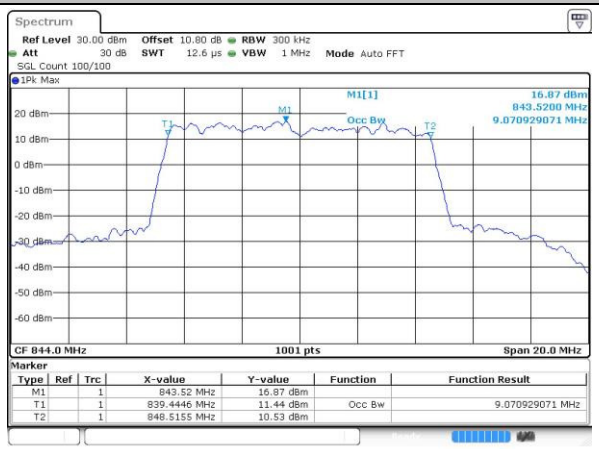
Date: 6.APR.2017 20:38:55

Middle Channel / 10MHz / 16QAM



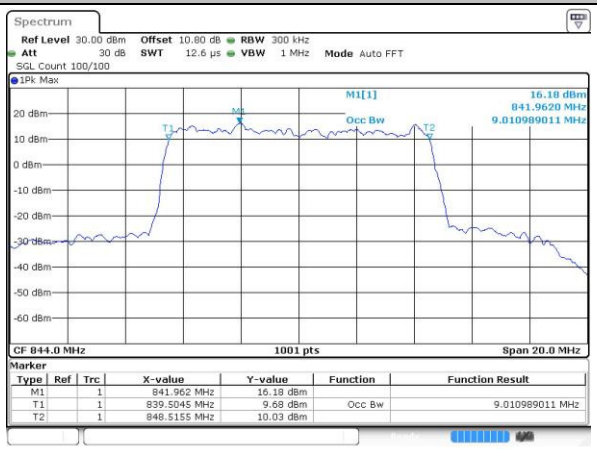
Date: 6.APR.2017 20:39:05

Highest Channel / 10MHz / QPSK

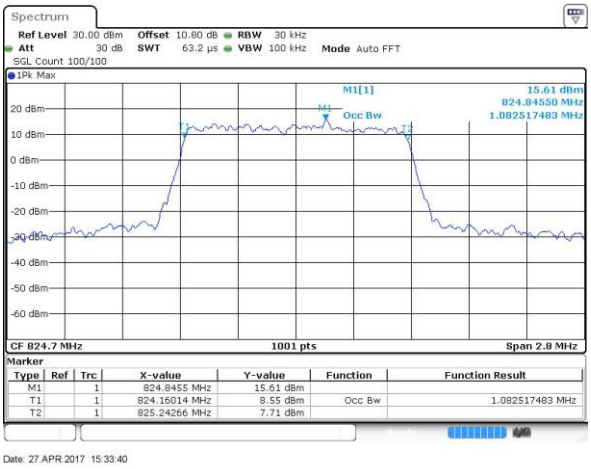
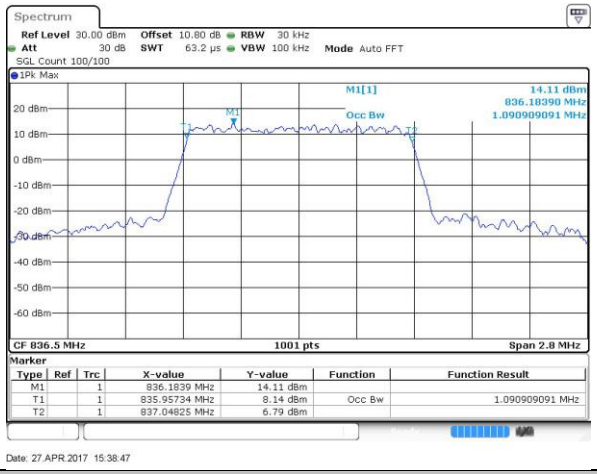
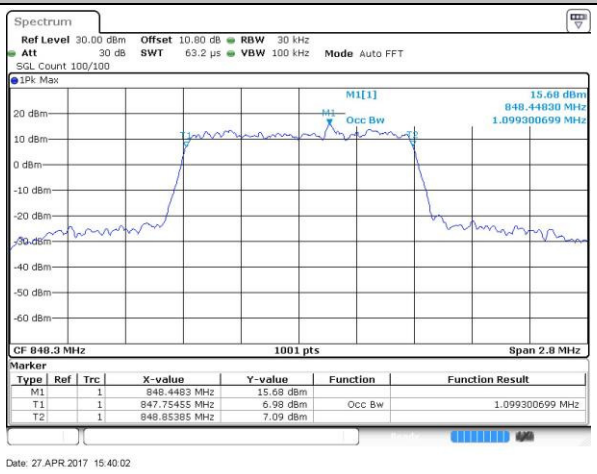


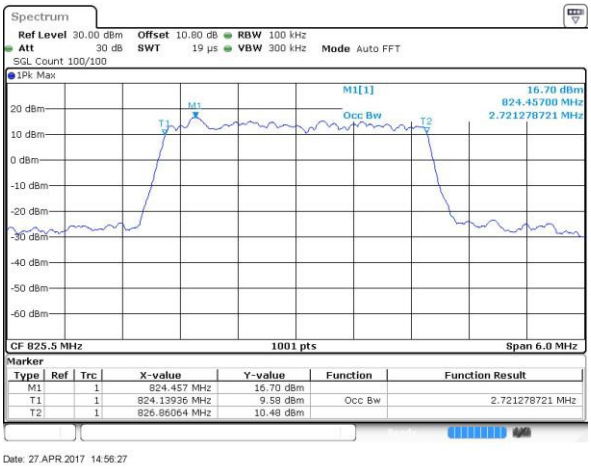
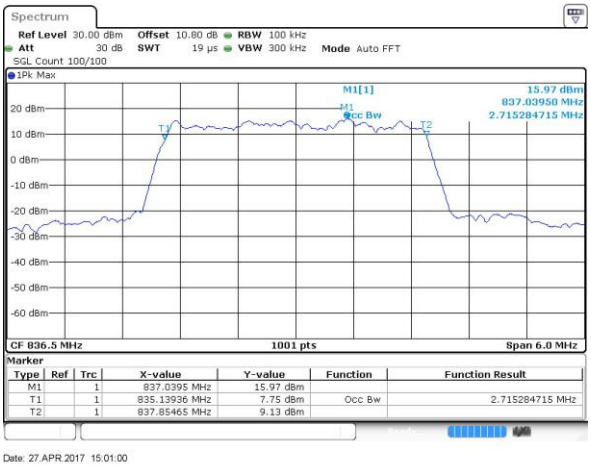
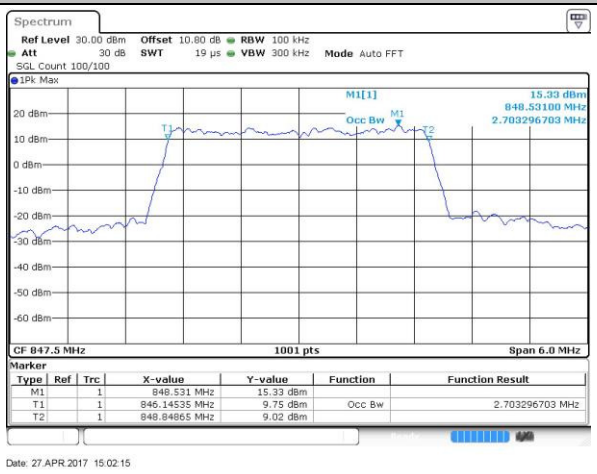
Date: 6.APR.2017 20:41:24

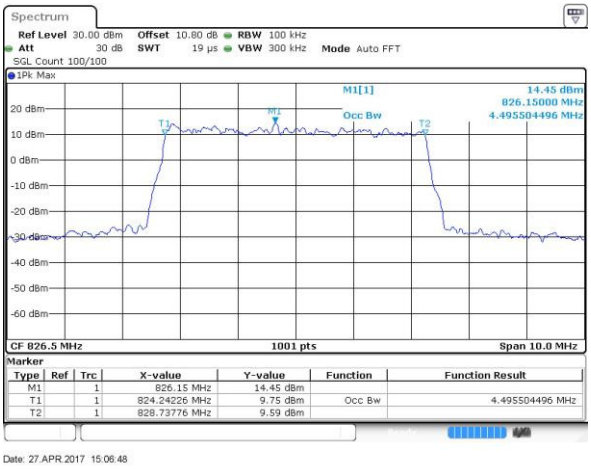
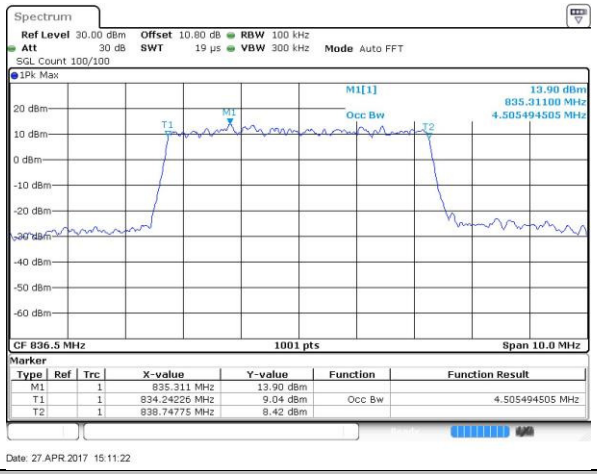
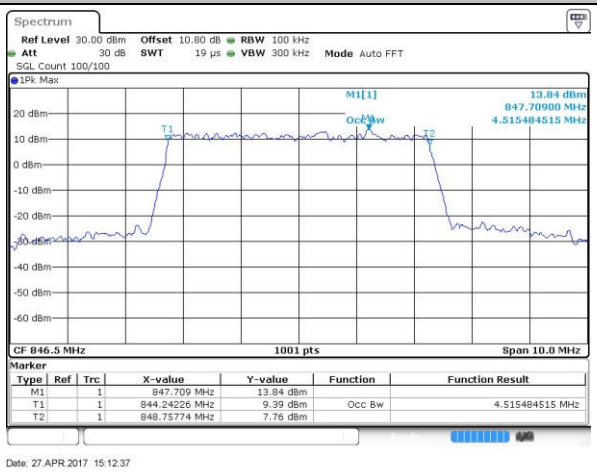
Highest Channel / 10MHz / 16QAM

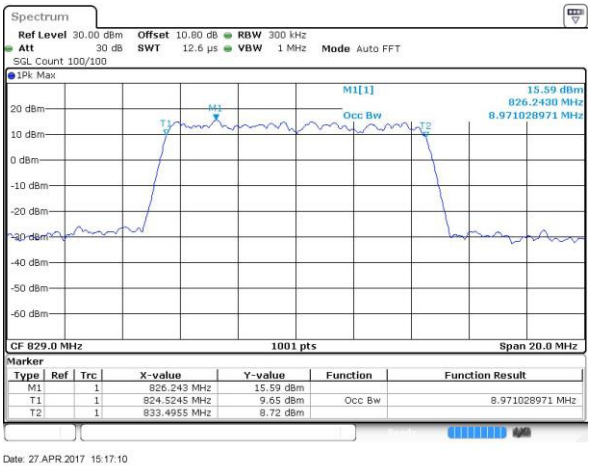


Date: 6.APR.2017 20:41:35

LTE Band 5	
	Lowest Channel / 1.4MHz / 64QAM
	
	Middle Channel / 1.4MHz / 64QAM
	
	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
	
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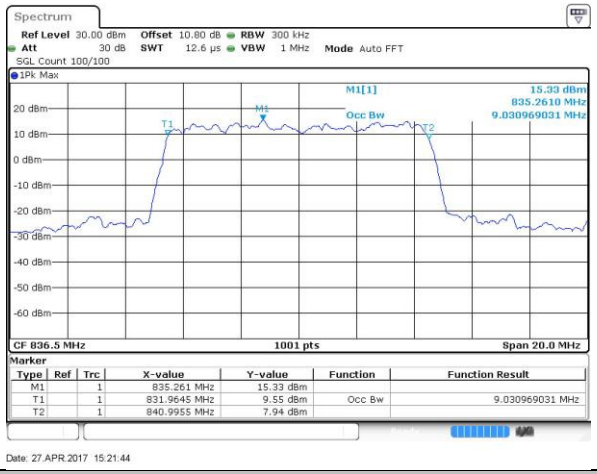
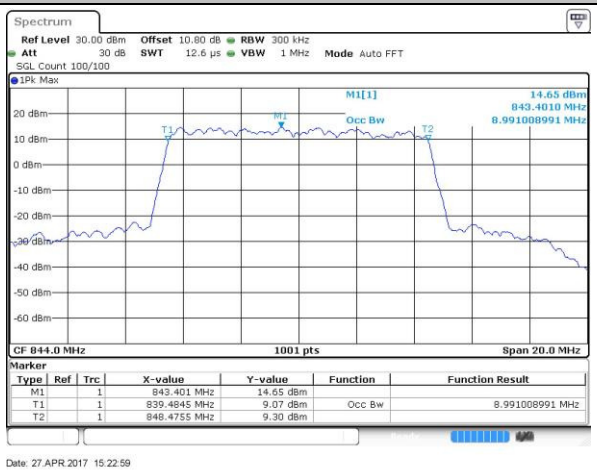
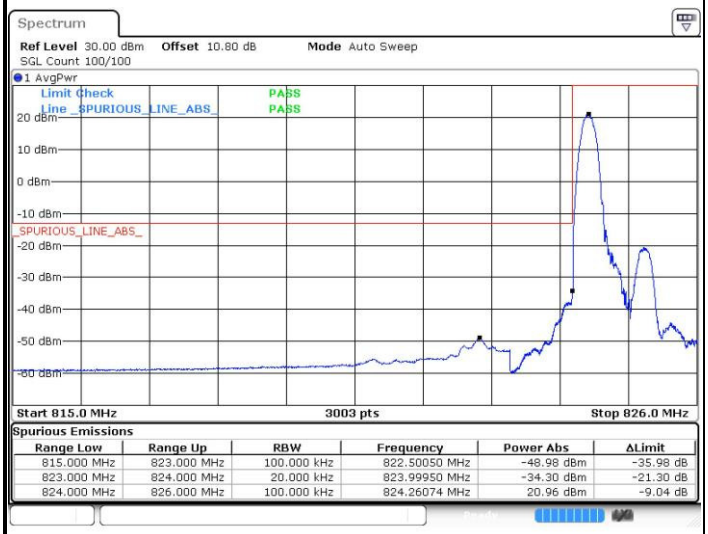
	
	Highest Channel / 10MHz / 64QAM
	

Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

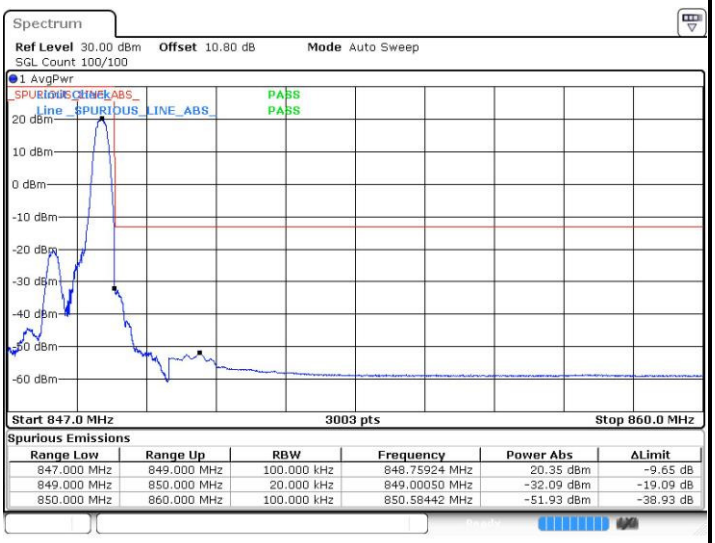


Spurious Emissions

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

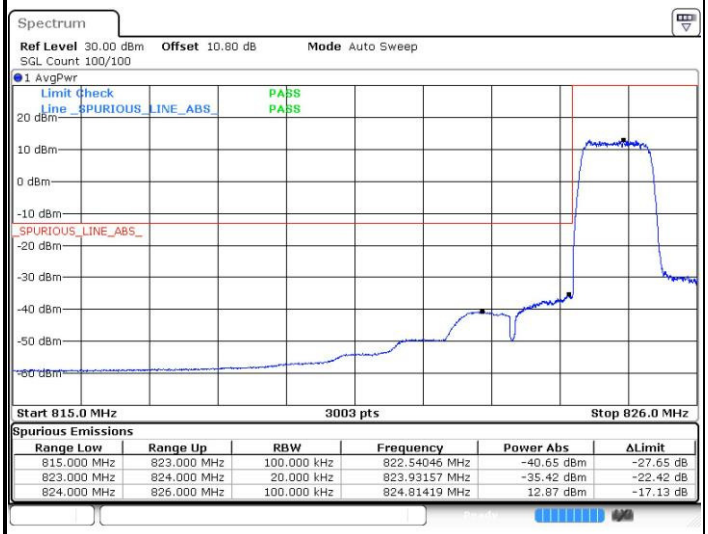


Spurious Emissions

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

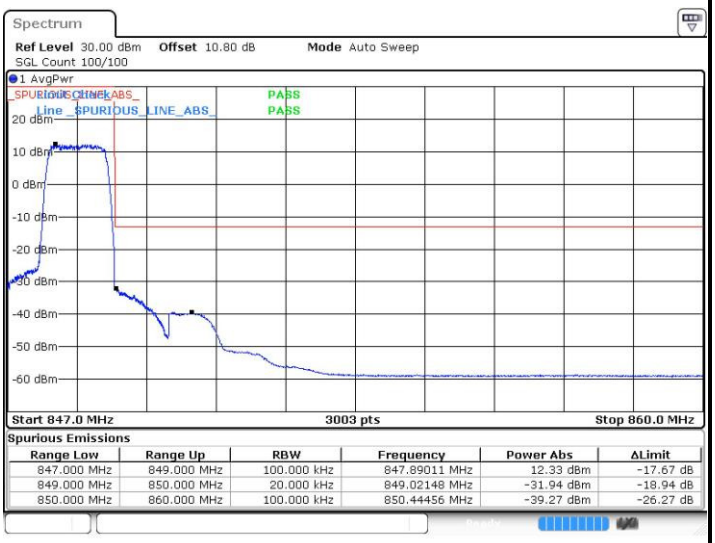


Spurious Emissions

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



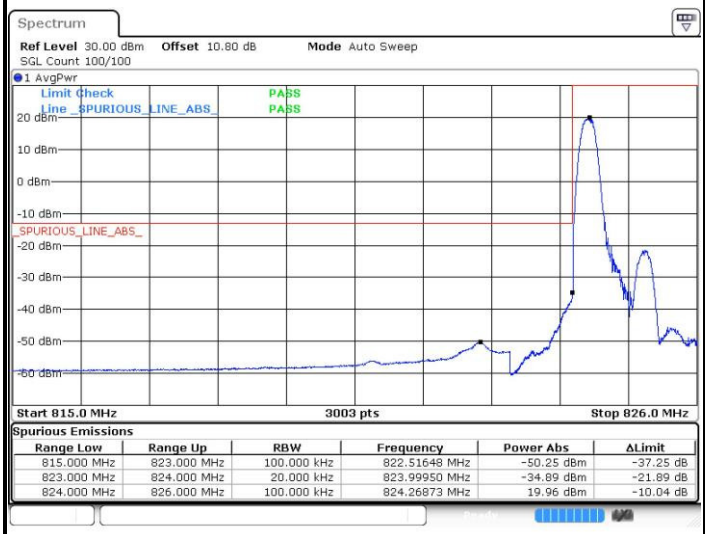
Spurious Emissions

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

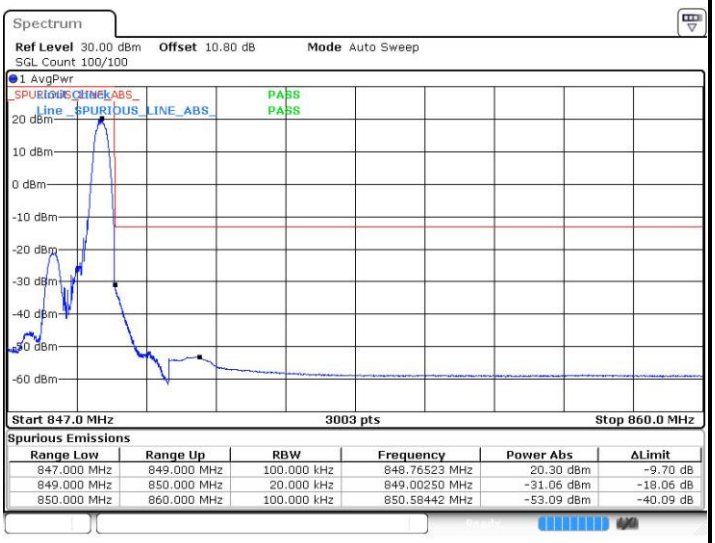


Spurious Emissions

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

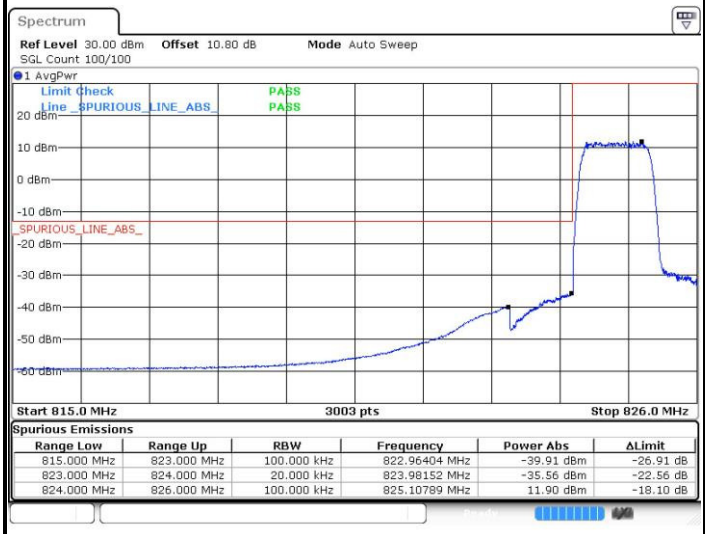


Spurious Emissions

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

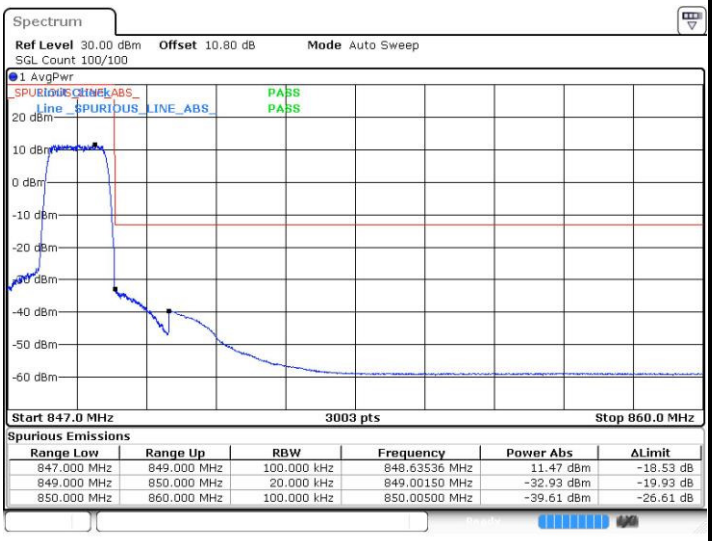


Spurious Emissions

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



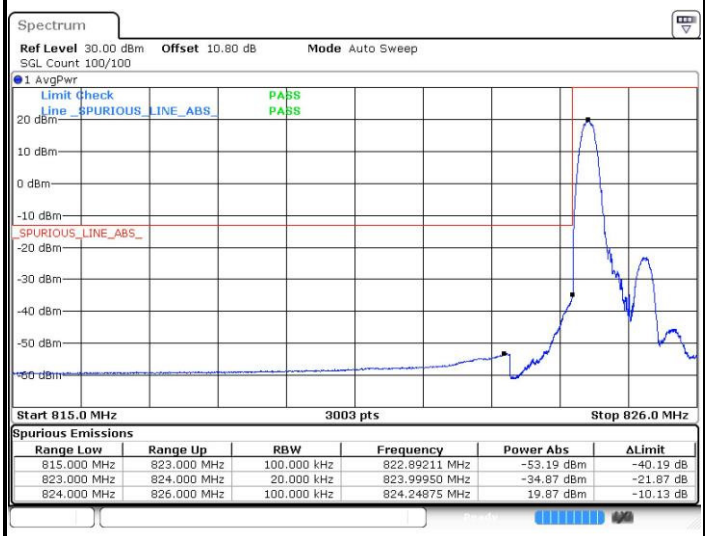
Spurious Emissions

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

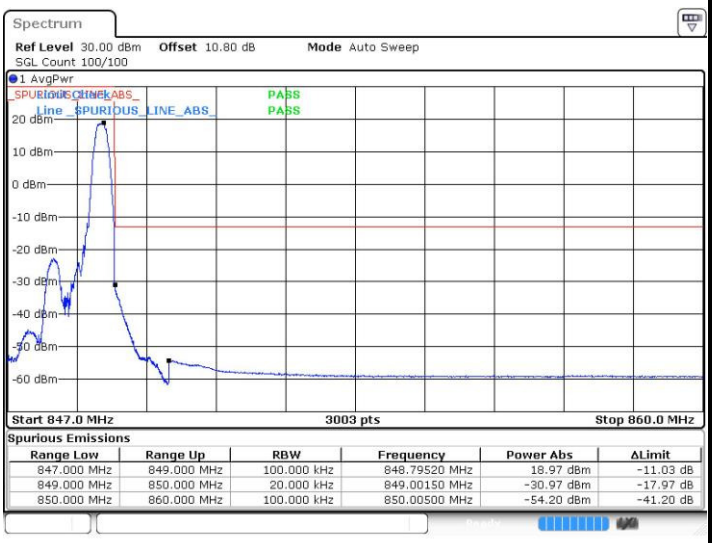


Spurious Emissions

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

Date: 27.APR.2017 15:36:02

Highest Band Edge / 1 RB

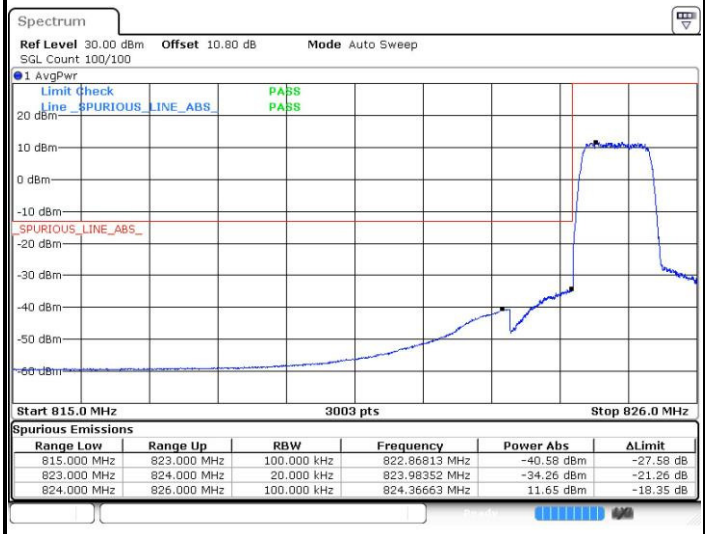


Spurious Emissions

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

Date: 27.APR.2017 15:43:30

Lowest Band Edge / Full RB

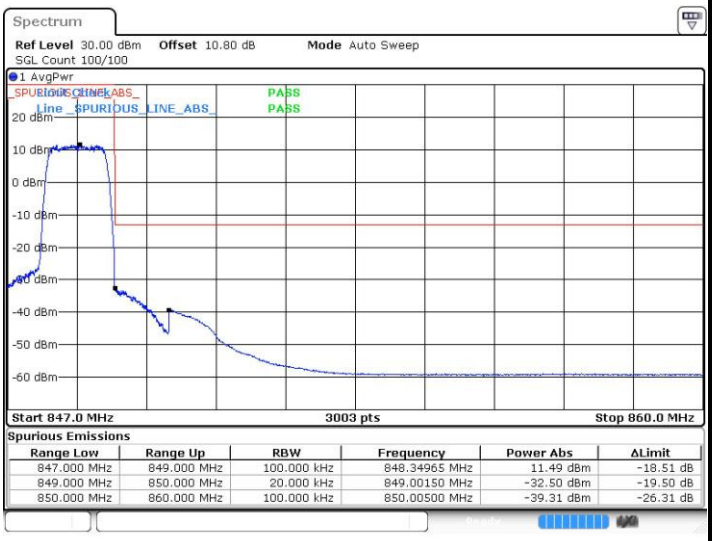


Spurious Emissions

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

Date: 27.APR.2017 15:37:41

Highest Band Edge / Full RB



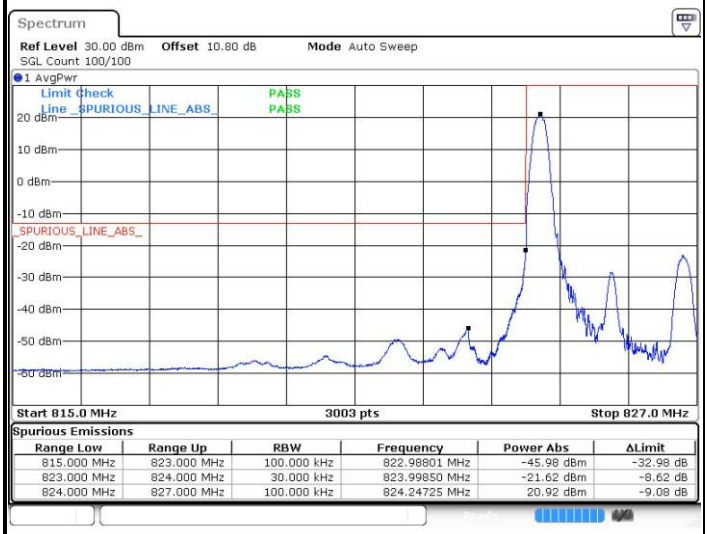
Spurious Emissions

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

Date: 27.APR.2017 15:41:51

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

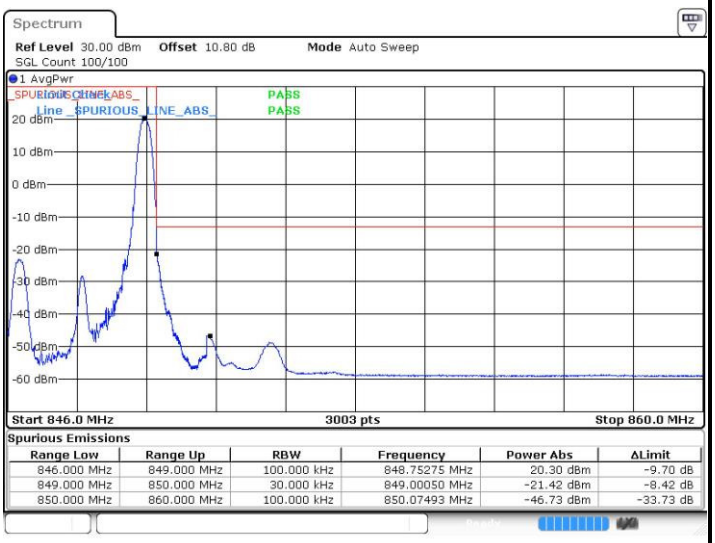


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-45.98 dBm	-32.98 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99850 MHz	-21.62 dBm	-8.62 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.24725 MHz	20.92 dBm	-9.08 dB

Date: 6.APR.2017 19:50:33

Highest Band Edge / 1 RB

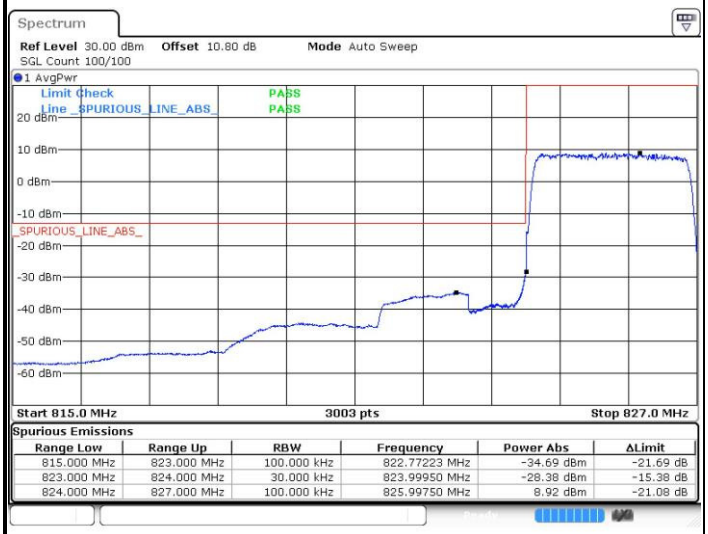


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.75275 MHz	20.30 dBm	-9.70 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-21.42 dBm	-8.42 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.07493 MHz	-46.73 dBm	-33.73 dB

Date: 6.APR.2017 20:02:09

Lowest Band Edge / Full RB

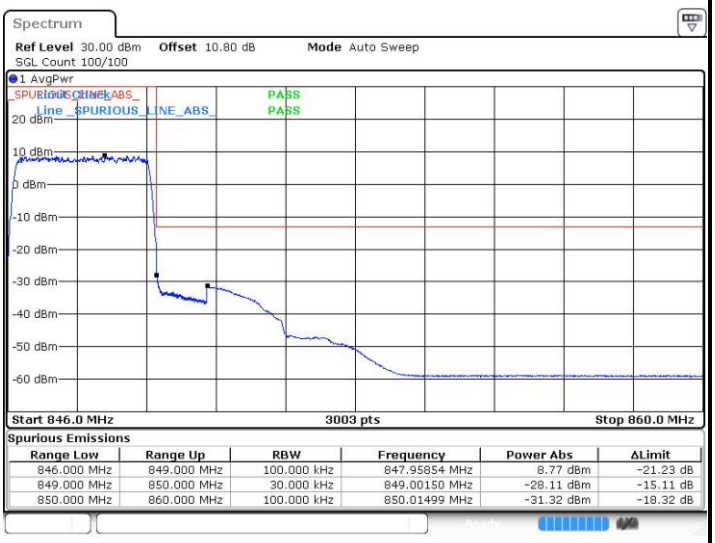


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.77223 MHz	-34.69 dBm	-21.69 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-28.38 dBm	-15.38 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.99750 MHz	8.92 dBm	-21.08 dB

Date: 6.APR.2017 19:53:51

Highest Band Edge / Full RB



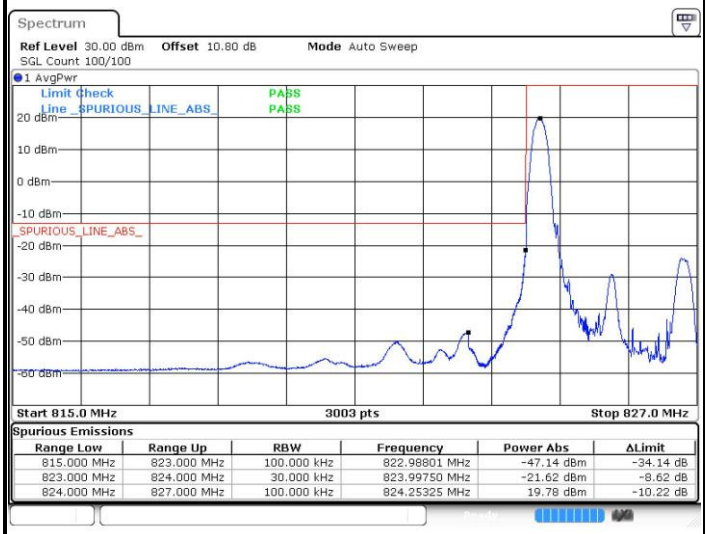
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.95854 MHz	8.77 dBm	-21.23 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-28.11 dBm	-15.11 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-31.32 dBm	-18.32 dB

Date: 6.APR.2017 20:05:27

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

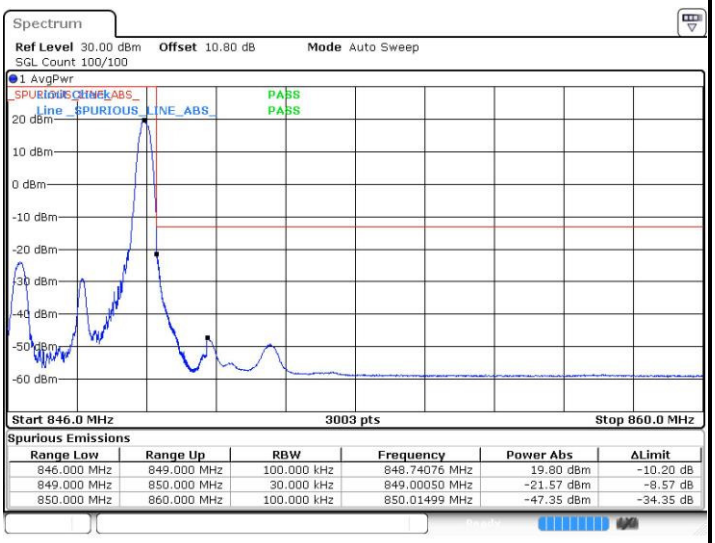


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-47.14 dBm	-34.14 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99750 MHz	-21.62 dBm	-8.62 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.25325 MHz	19.78 dBm	-10.22 dB

Date: 6.APR.2017 19:52:12

Highest Band Edge /1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.74076 MHz	19.80 dBm	-10.20 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-21.57 dBm	-8.57 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-47.35 dBm	-34.35 dB

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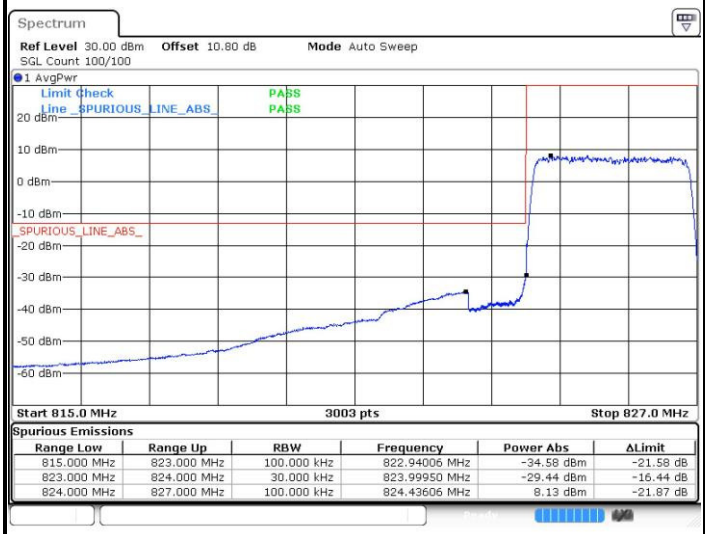
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94006 MHz	-34.58 dBm	-21.58 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-29.44 dBm	-16.44 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.43606 MHz	8.13 dBm	-21.87 dB

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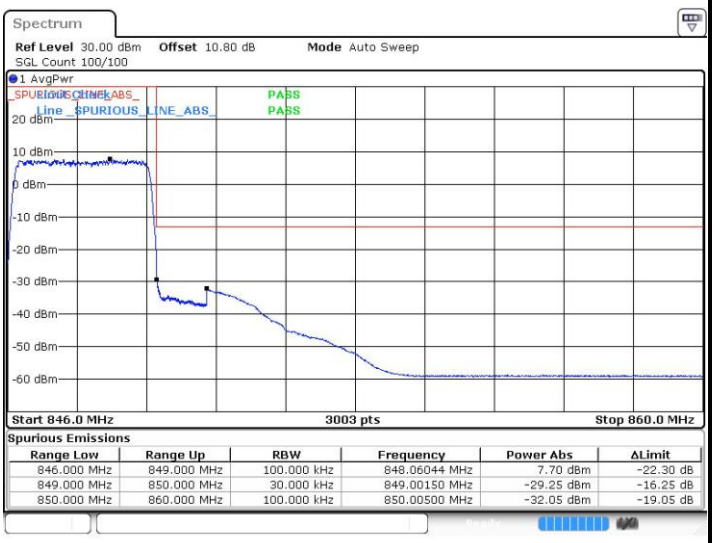
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.06044 MHz	7.70 dBm	-22.30 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00150 MHz	-29.25 dBm	-16.25 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-32.05 dBm	-19.05 dB

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