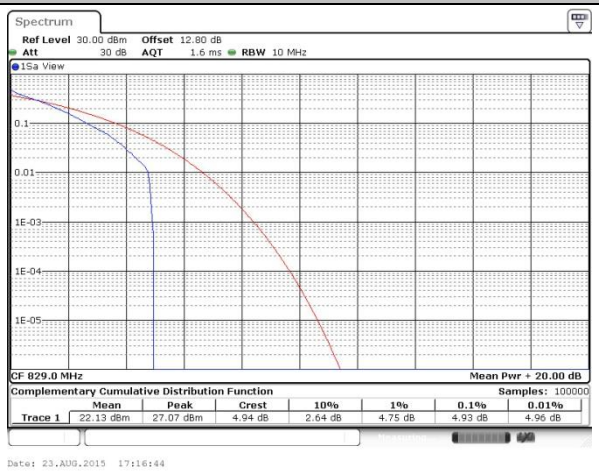
LTE Band 5

Peak-to-Average Ratio

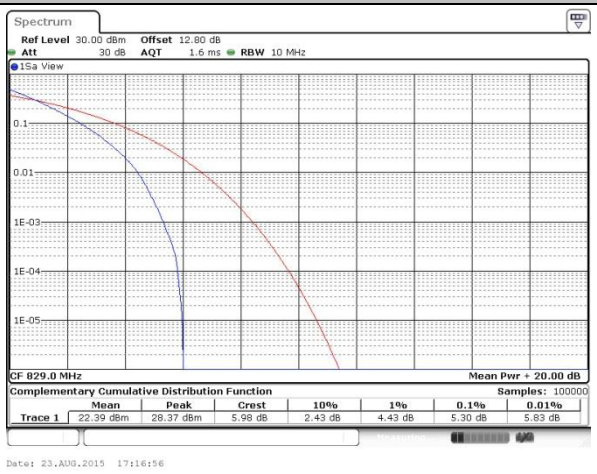
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.93	5.30	5.88	6.20	PASS
Middle CH	4.99	5.28	5.91	6.23	
Highest CH	4.93	5.36	6.43	6.17	

LTE Band 5 / 10MHz / QPSK

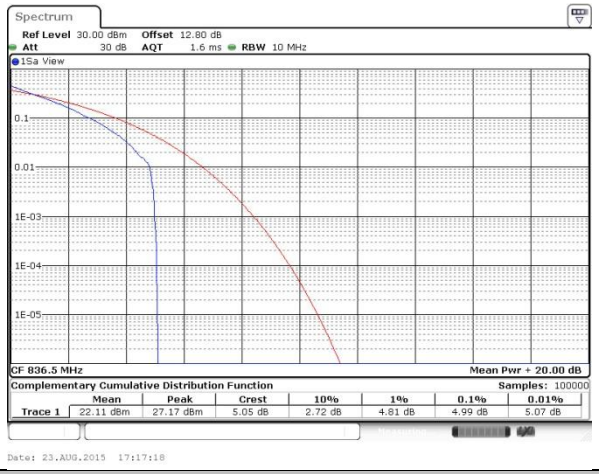
Lowest Channel / 1RB



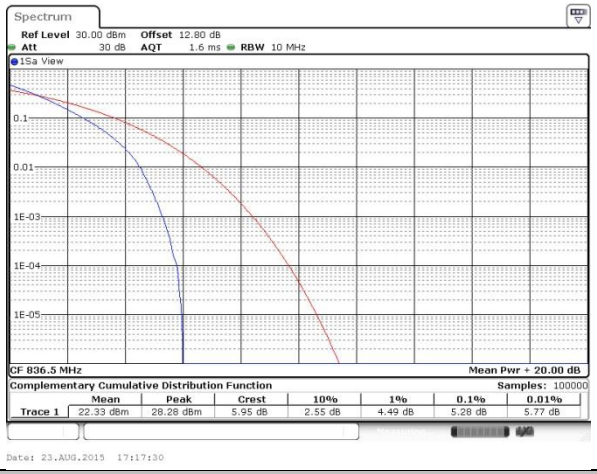
Lowest Channel / Full RB



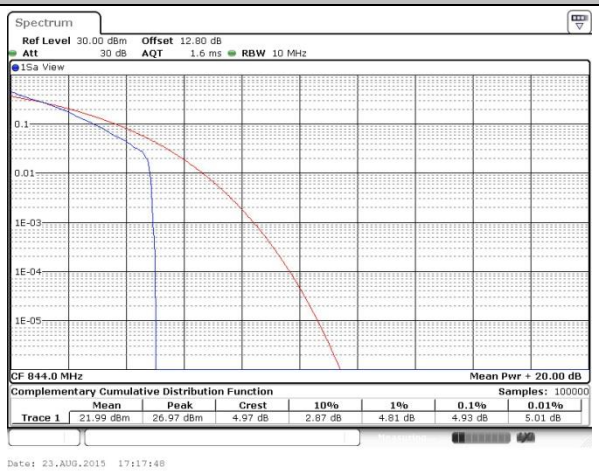
Middle Channel / 1RB



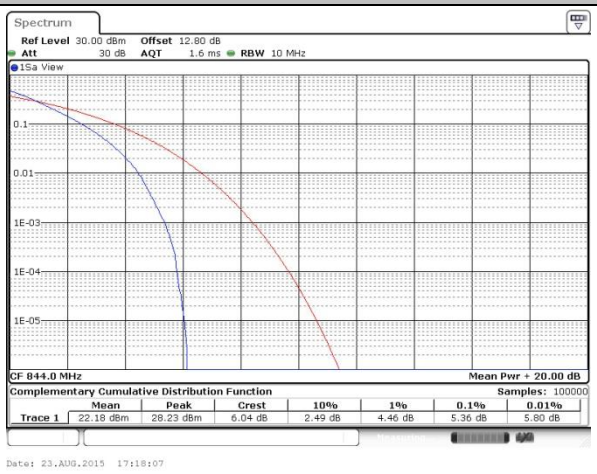
Middle Channel / Full RB



Highest Channel / 1RB

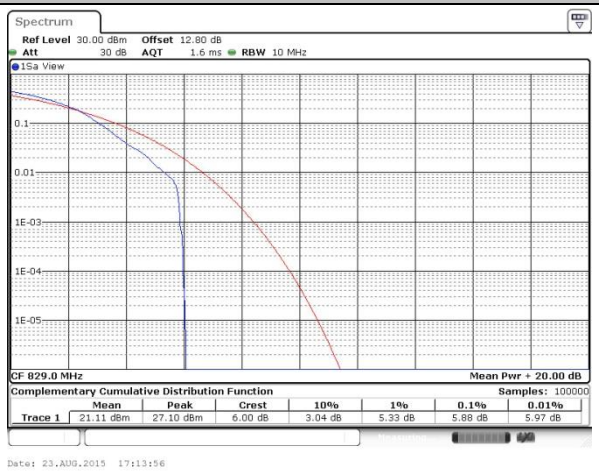


Highest Channel / Full RB

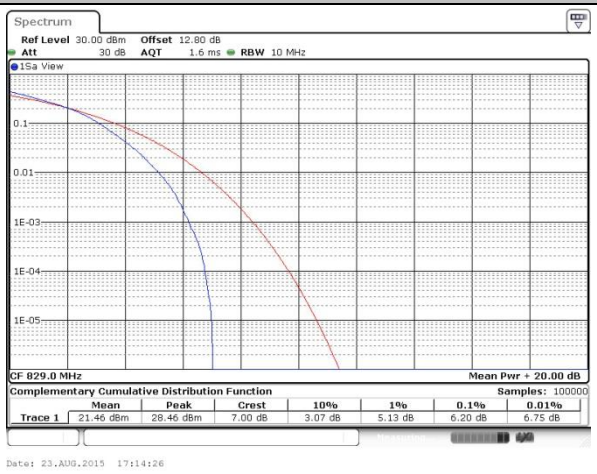


LTE Band 5 / 10MHz / 16QAM

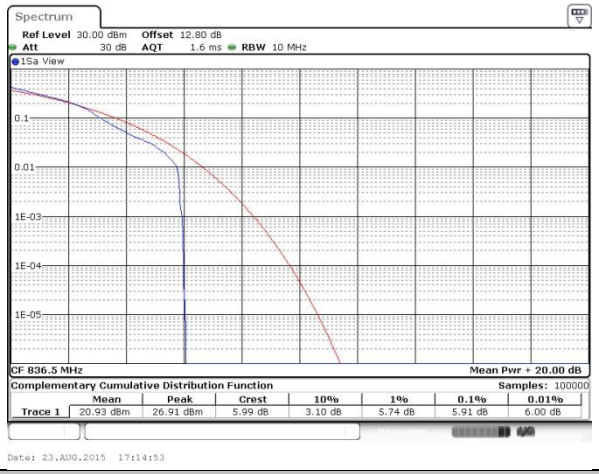
Lowest Channel / 1RB



Lowest Channel / Full RB

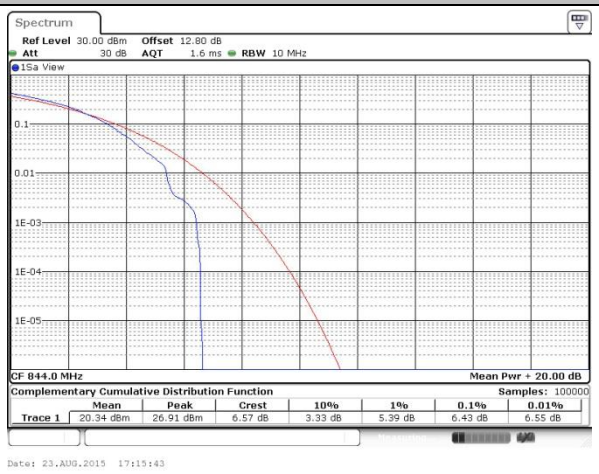


Middle Channel / 1RB

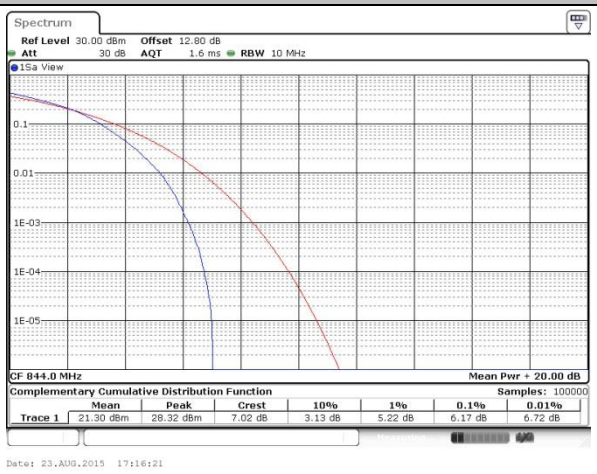


Middle Channel / Full RB

Highest Channel / 1RB



Highest Channel / Full RB

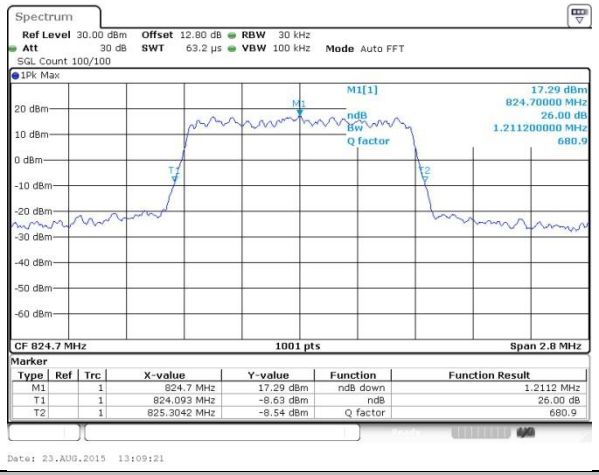


26dB Bandwidth

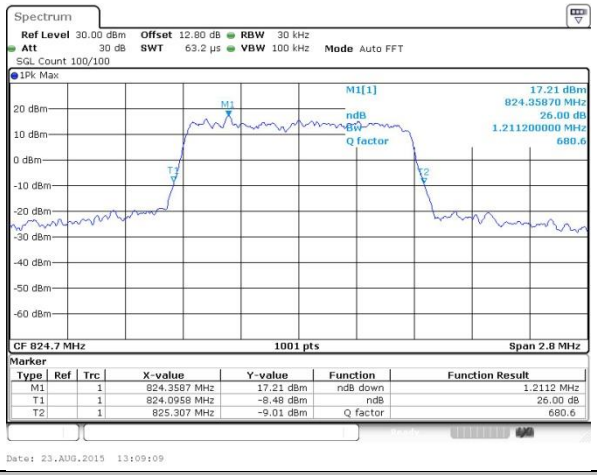
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.21	1.21	3.03	3.03	4.79	4.90	9.71	9.73	-	-	-	-
Middle CH	1.23	1.23	3.06	3.00	4.92	4.91	9.97	9.89	-	-	-	-
Highest CH	1.23	1.22	2.99	3.03	4.95	4.89	9.81	9.79	-	-	-	-

LTE Band 5

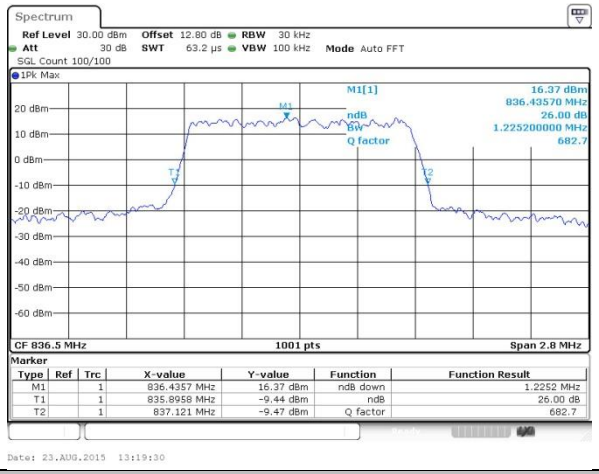
Lowest Channel / 1.4MHz / QPSK



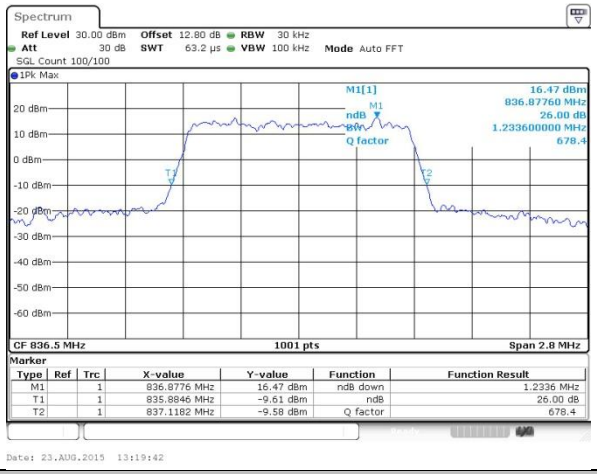
Lowest Channel / 1.4MHz / 16QAM



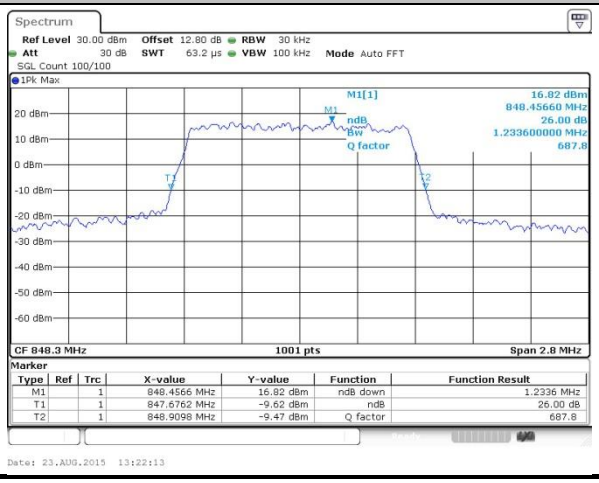
Middle Channel / 1.4MHz / QPSK



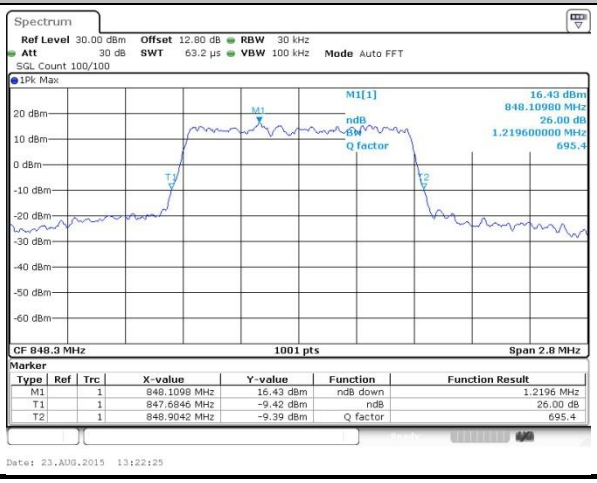
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

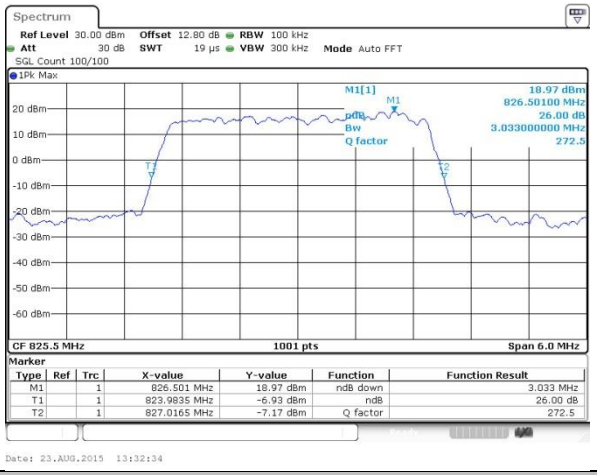


Highest Channel / 1.4MHz / 16QAM

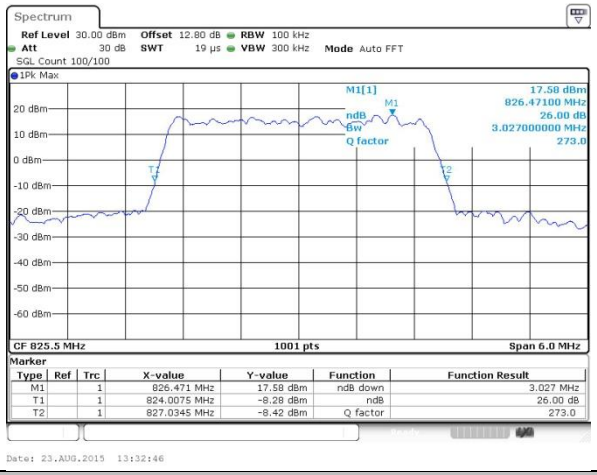


LTE Band 5

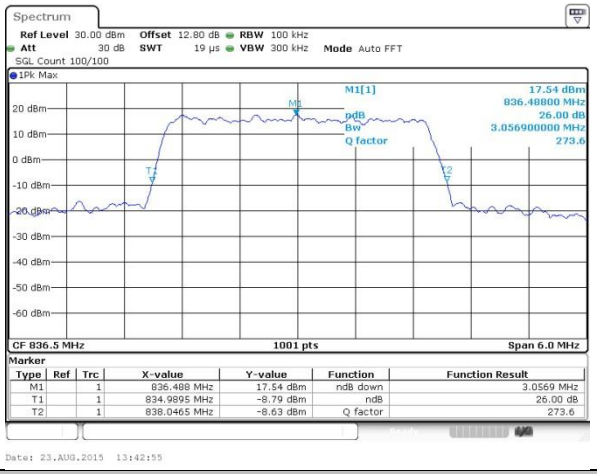
Lowest Channel / 3MHz / QPSK



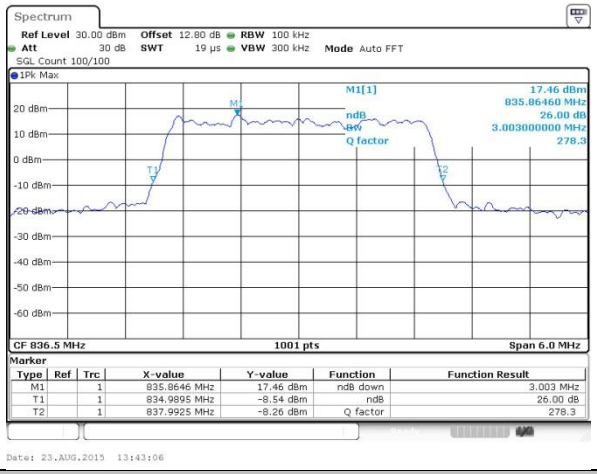
Lowest Channel / 3MHz / 16QAM



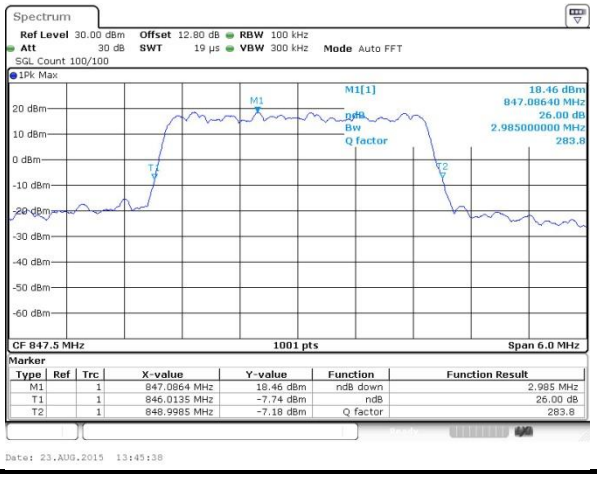
Middle Channel / 3MHz / QPSK



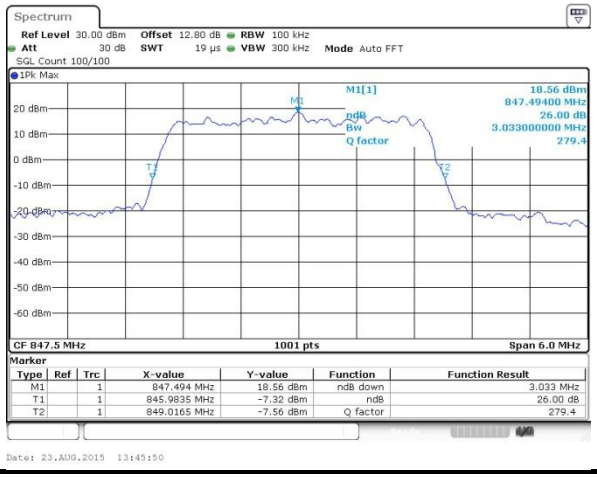
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

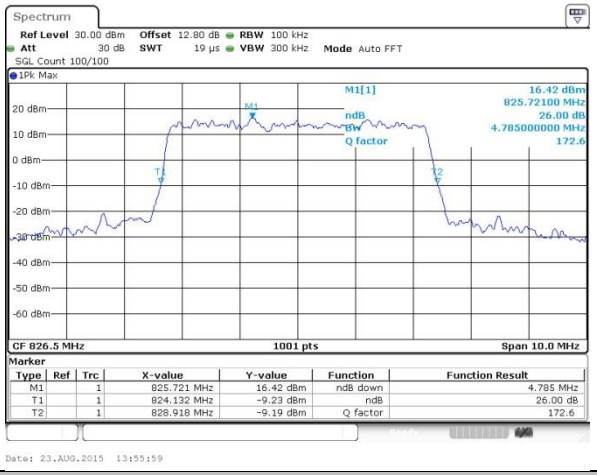


Highest Channel /3MHz / 16QAM

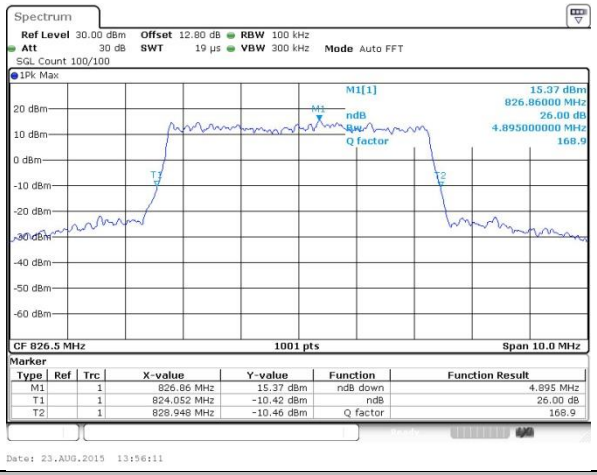


LTE Band 5

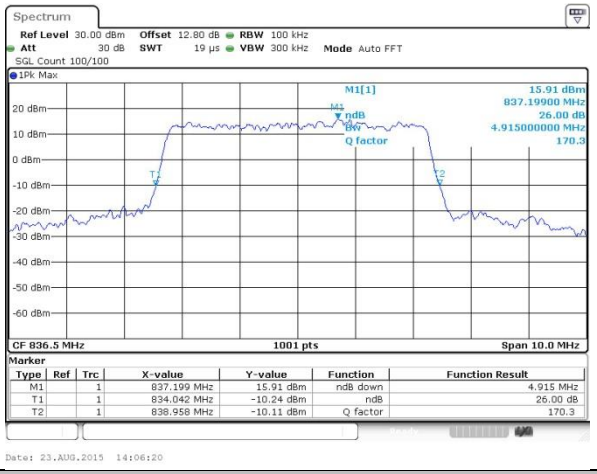
Lowest Channel / 5MHz / QPSK



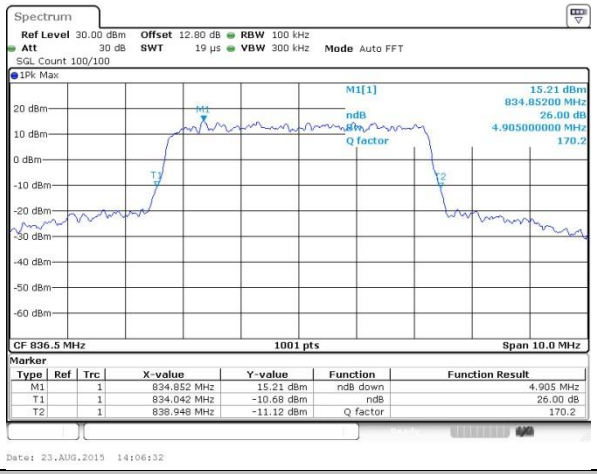
Lowest Channel / 5MHz / 16QAM



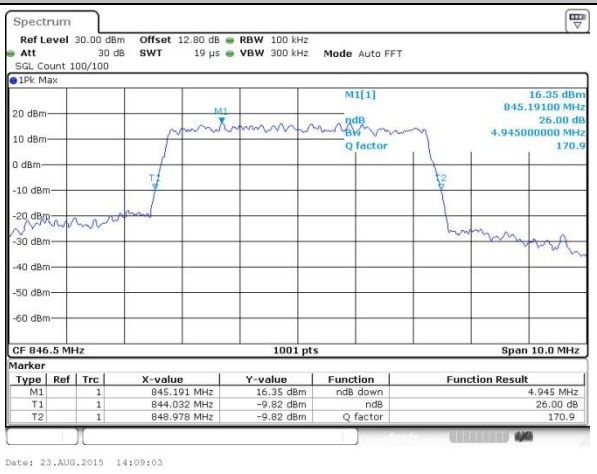
Middle Channel / 5MHz / QPSK



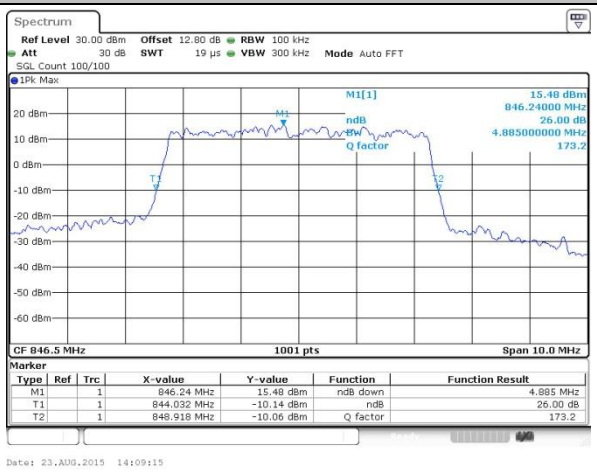
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

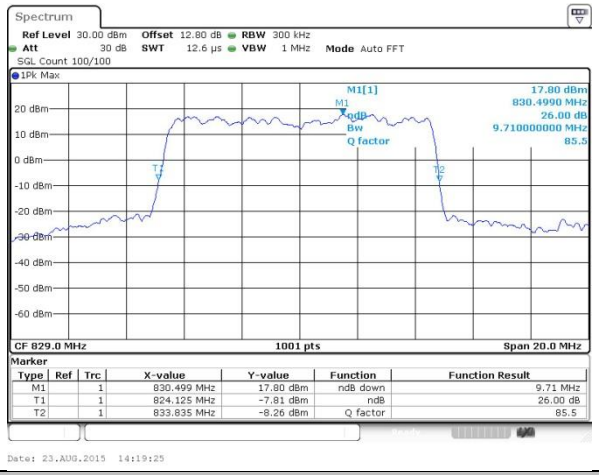


Highest Channel / 5MHz / 16QAM

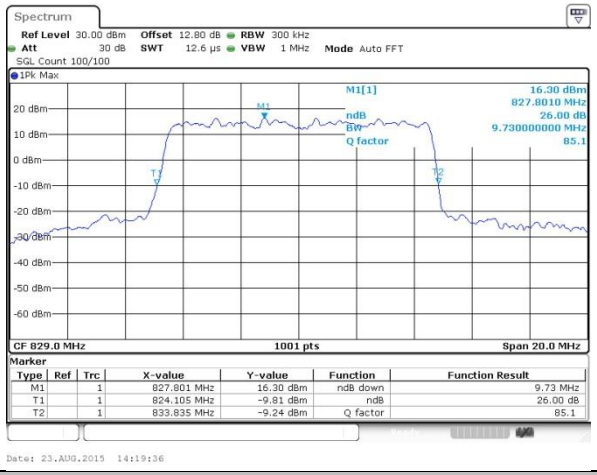


LTE Band 5

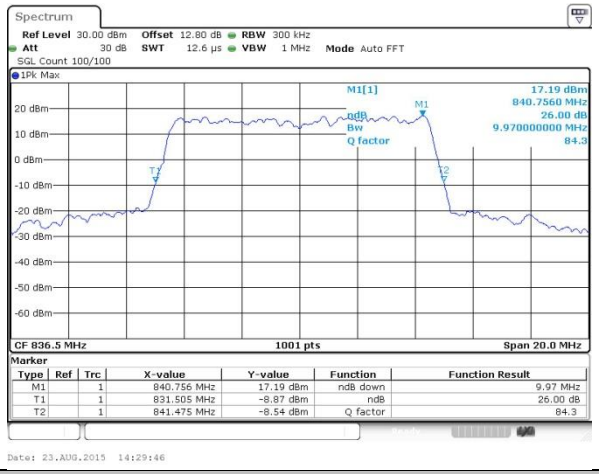
Lowest Channel / 10MHz / QPSK



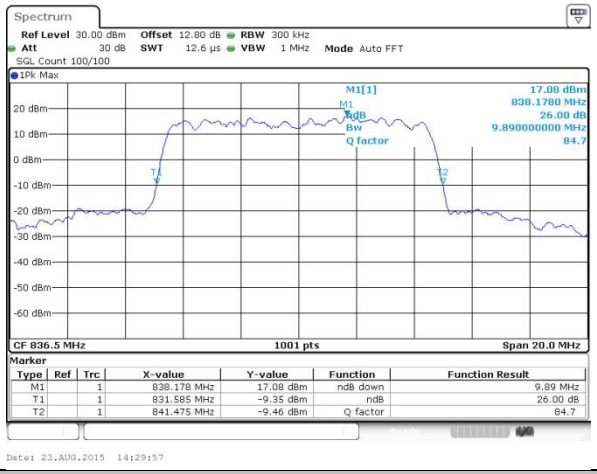
Lowest Channel / 10MHz / 16QAM



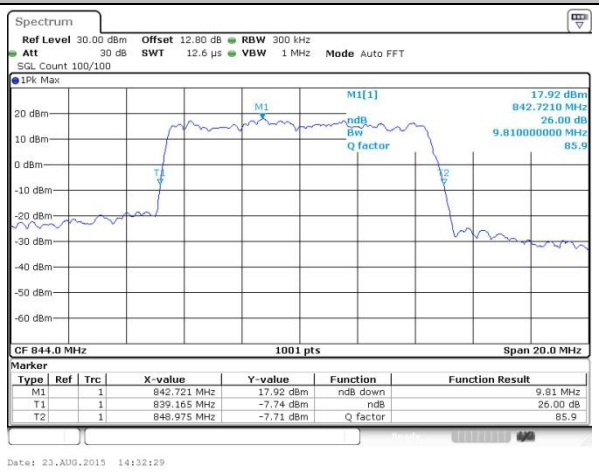
Middle Channel / 10MHz / QPSK



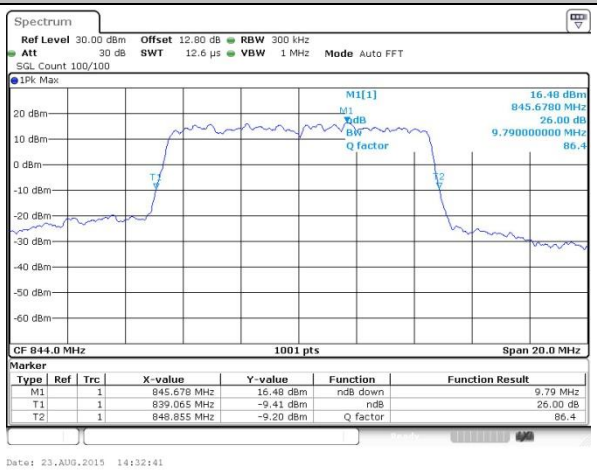
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

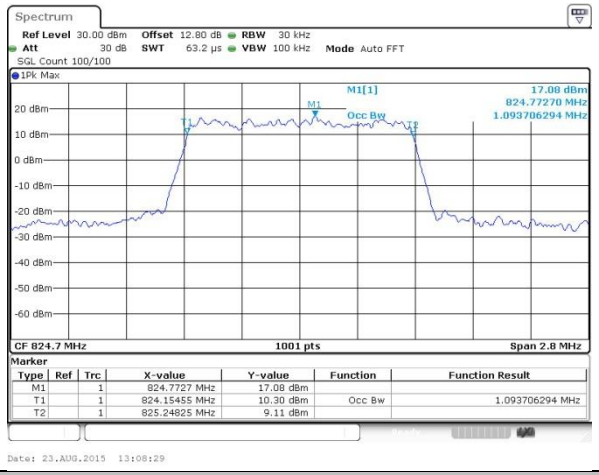


Occupied Bandwidth

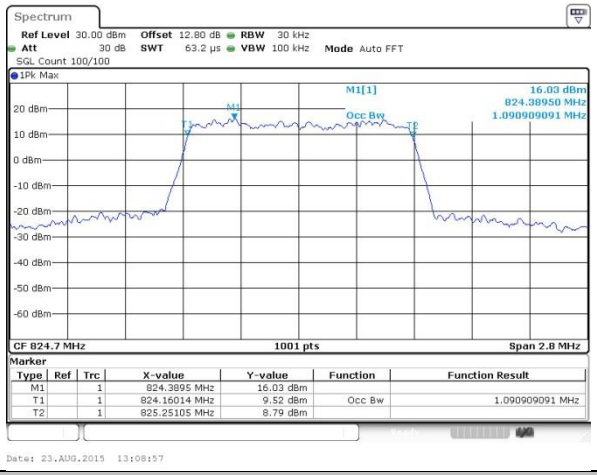
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.70	4.49	4.49	9.05	9.03	-	-	-	-
Middle CH	1.09	1.09	2.72	2.72	4.50	4.47	9.01	9.05	-	-	-	-
Highest CH	1.10	1.09	2.71	2.72	4.50	4.49	9.07	9.03	-	-	-	-

LTE Band 5

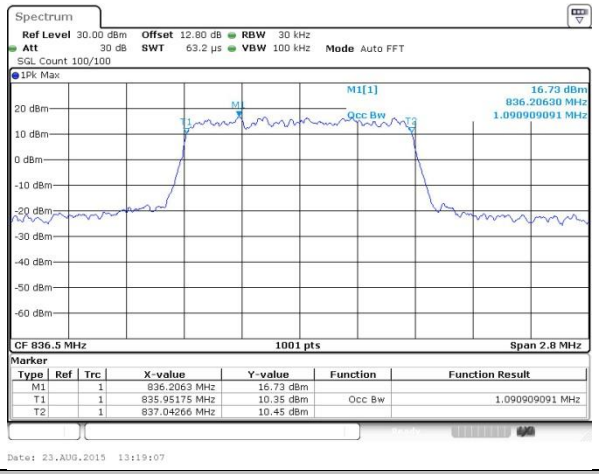
Lowest Channel / 1.4MHz / QPSK



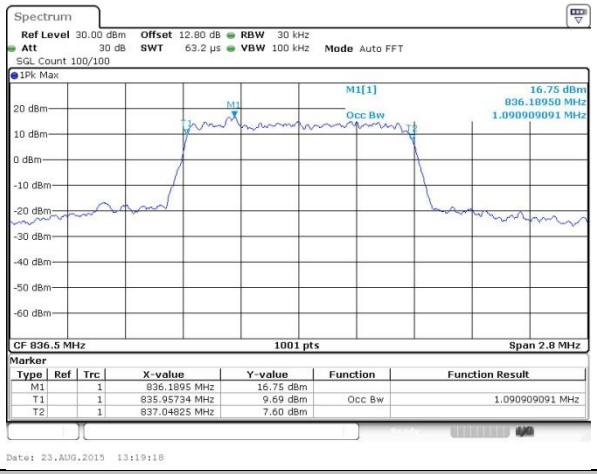
Lowest Channel / 1.4MHz / 16QAM



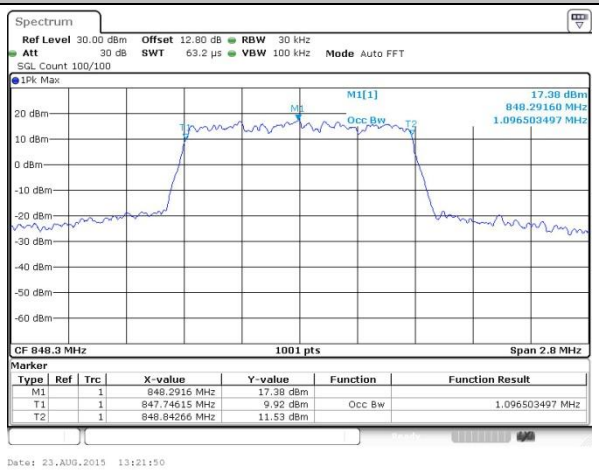
Middle Channel / 1.4MHz / QPSK



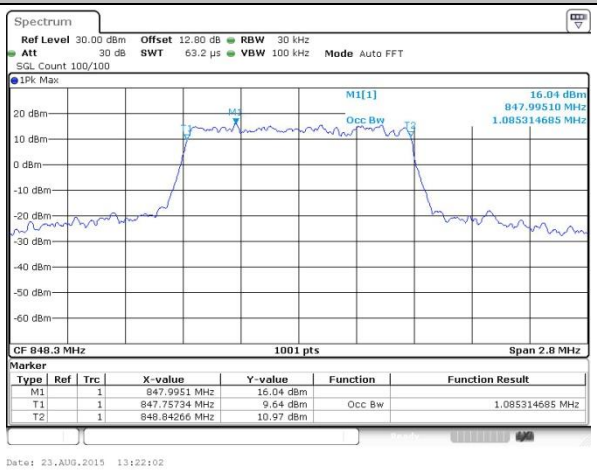
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

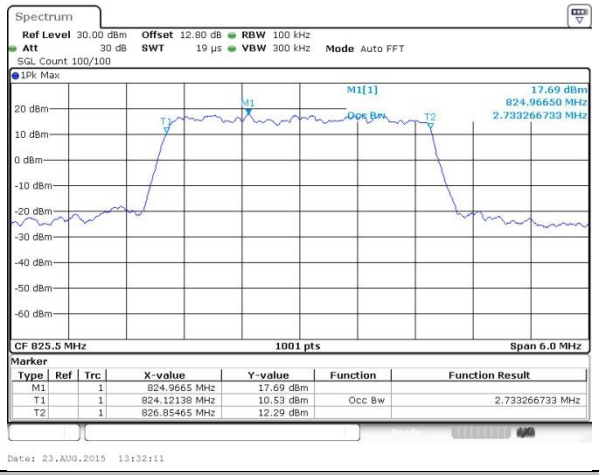


Highest Channel / 1.4MHz / 16QAM

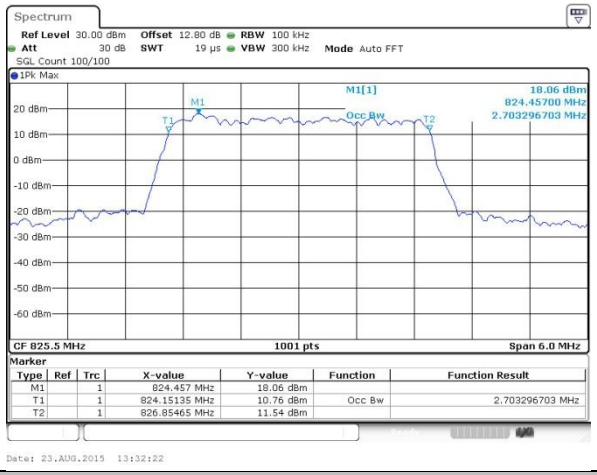


LTE Band 5

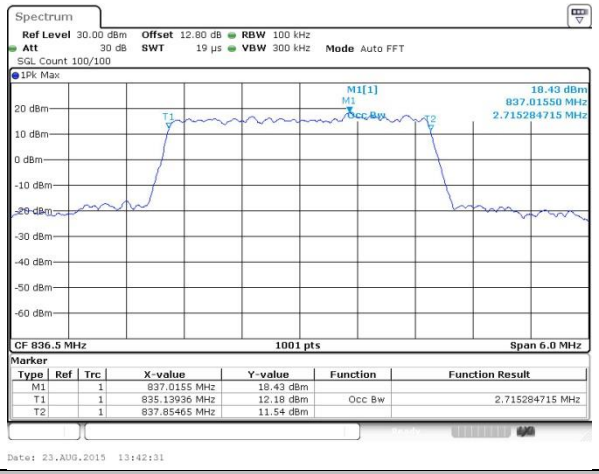
Lowest Channel / 3MHz / QPSK



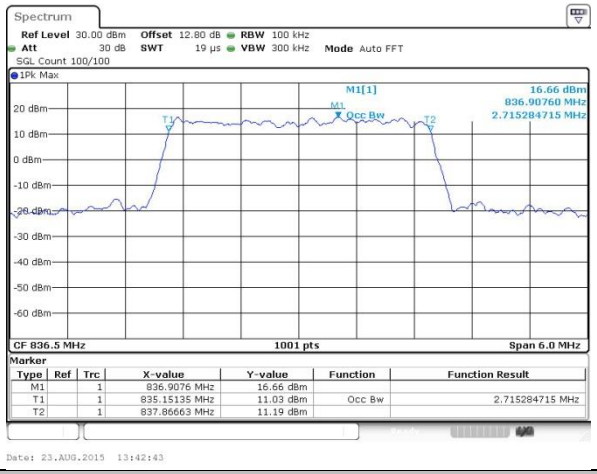
Lowest Channel / 3MHz / 16QAM



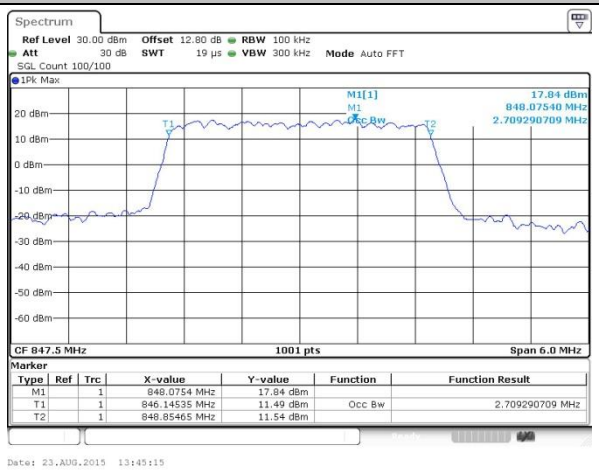
Middle Channel / 3MHz / QPSK



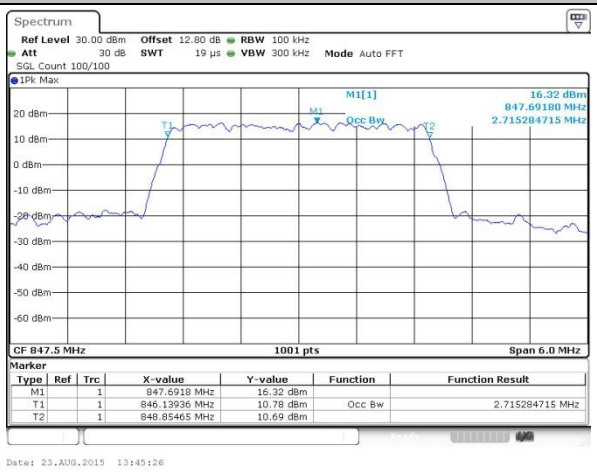
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

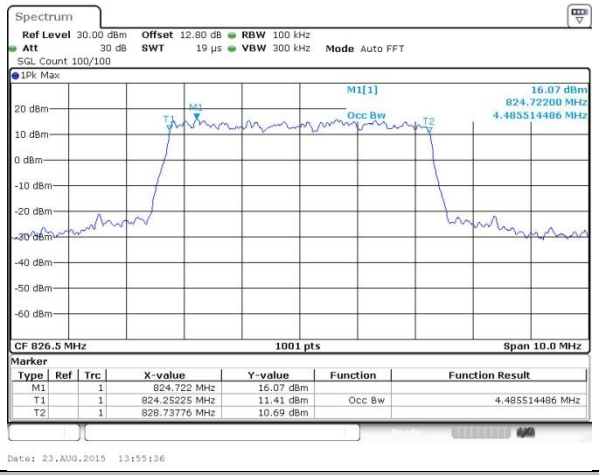


Highest Channel / 3MHz / 16QAM

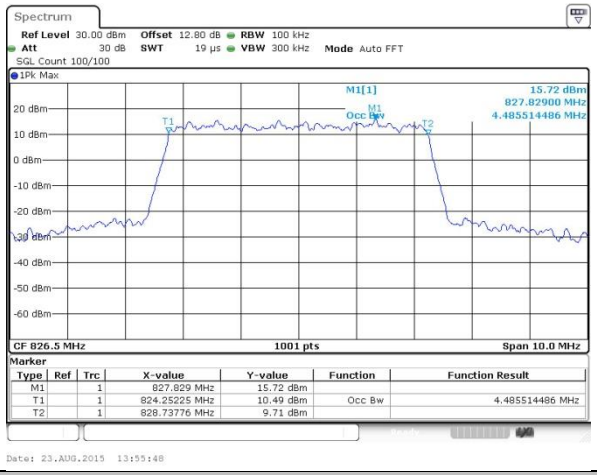


LTE Band 5

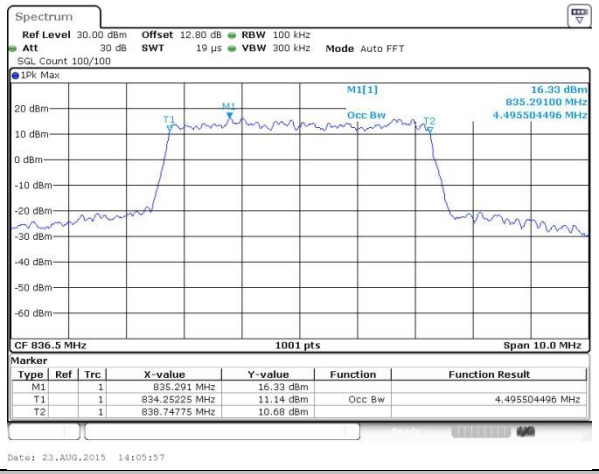
Lowest Channel / 5MHz / QPSK



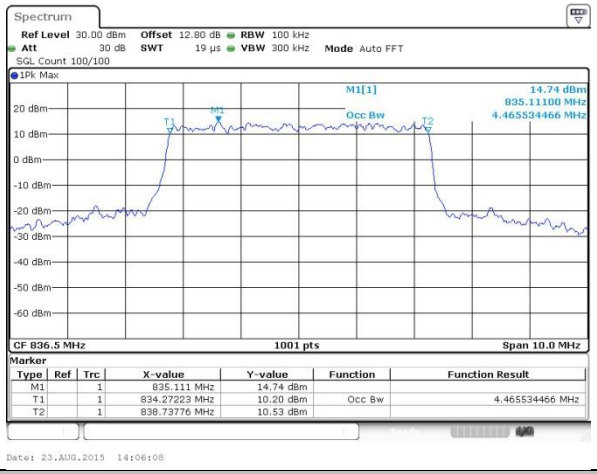
Lowest Channel / 5MHz / 16QAM



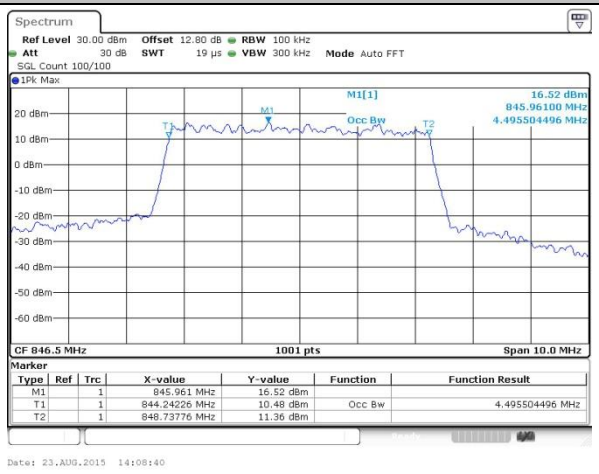
Middle Channel / 5MHz / QPSK



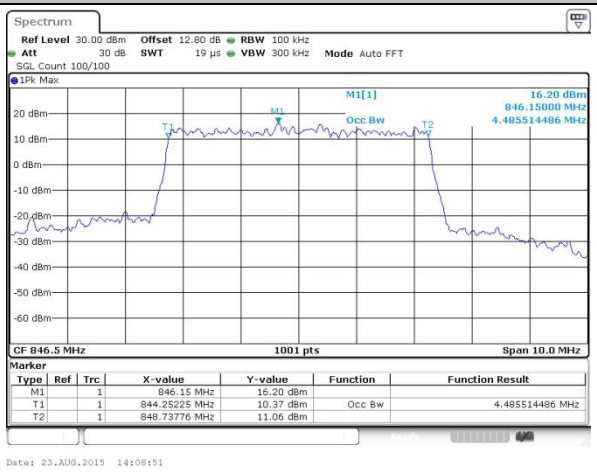
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

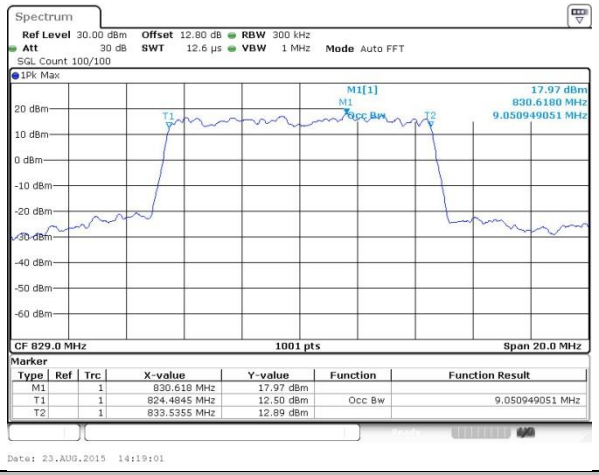


Highest Channel / 5MHz / 16QAM

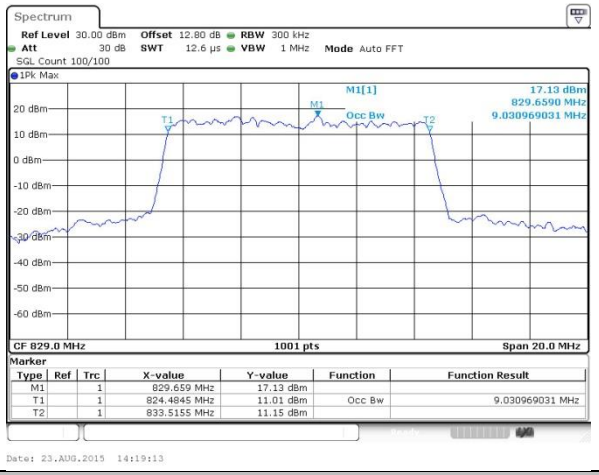


LTE Band 5

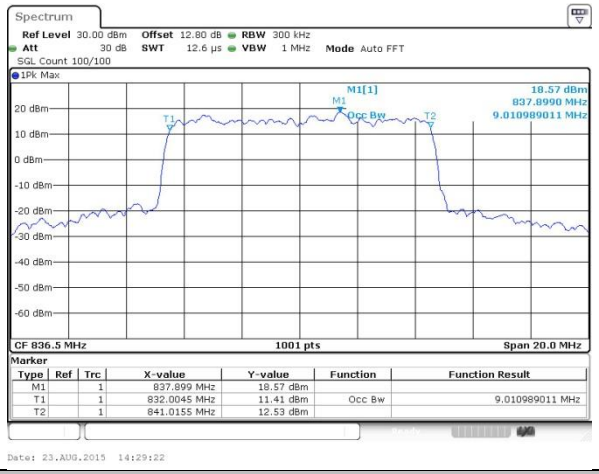
Lowest Channel / 10MHz / QPSK



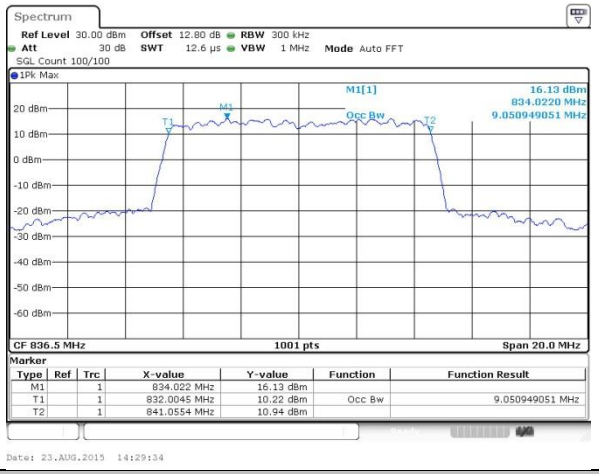
Lowest Channel / 10MHz / 16QAM



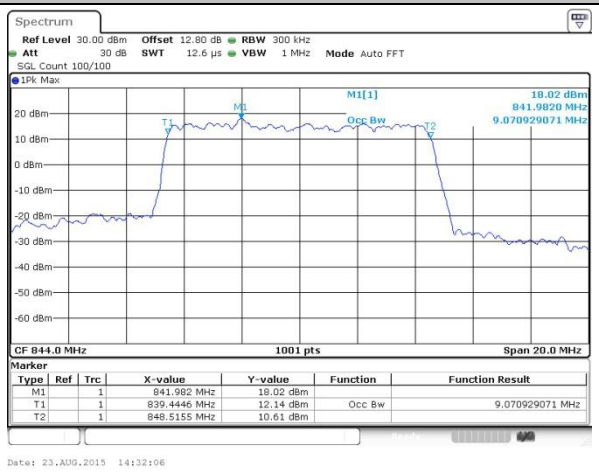
Middle Channel / 10MHz / QPSK



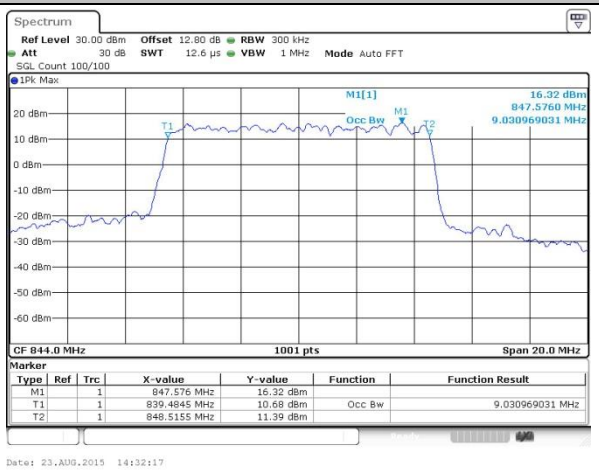
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



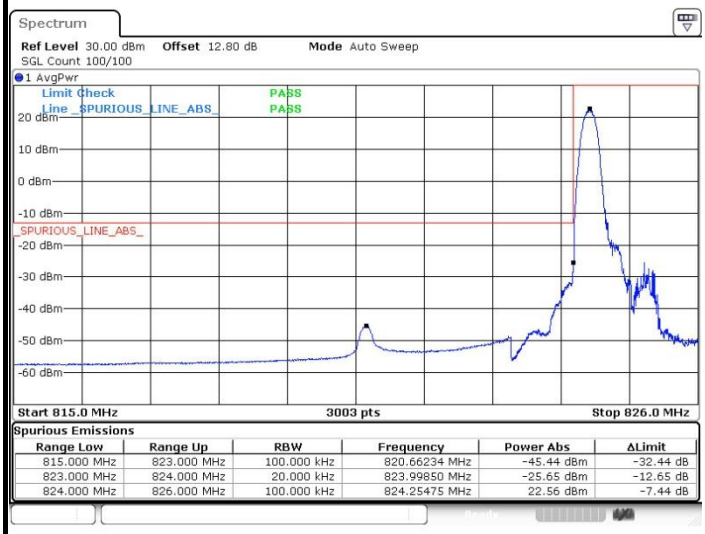
Highest Channel / 10MHz / 16QAM



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	820.66234 MHz	-45.44 dBm	-32.44 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-25.65 dBm	-12.65 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25475 MHz	22.56 dBm	-7.44 dB

Date: 23.AUG.2015 13:11:15

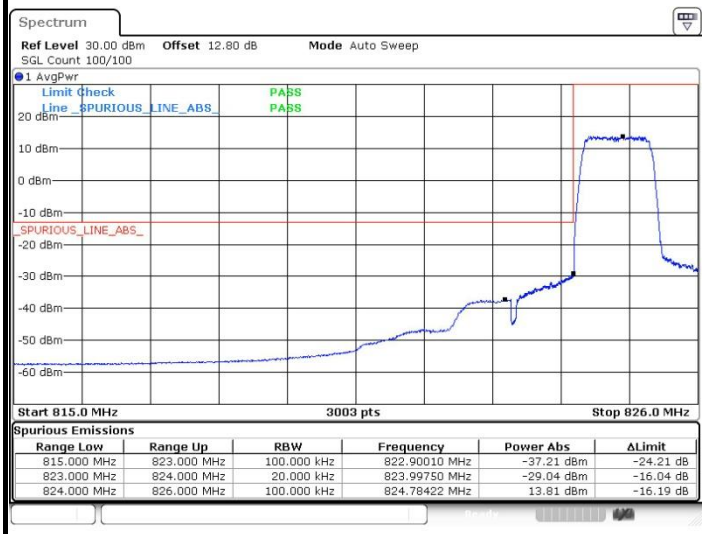
Highest Band Edge / 1RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.74525 MHz	22.53 dBm	-7.47 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00350 MHz	-25.65 dBm	-12.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.61439 MHz	-48.21 dBm	-35.21 dB

Date: 23.AUG.2015 13:28:08

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	822.90010 MHz	-37.21 dBm	-24.21 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99750 MHz	-29.04 dBm	-16.04 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.78422 MHz	13.81 dBm	-16.19 dB

Date: 23.AUG.2015 13:15:04

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	848.00599 MHz	13.90 dBm	-16.10 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.01848 MHz	-29.15 dBm	-16.15 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-37.82 dBm	-24.82 dB

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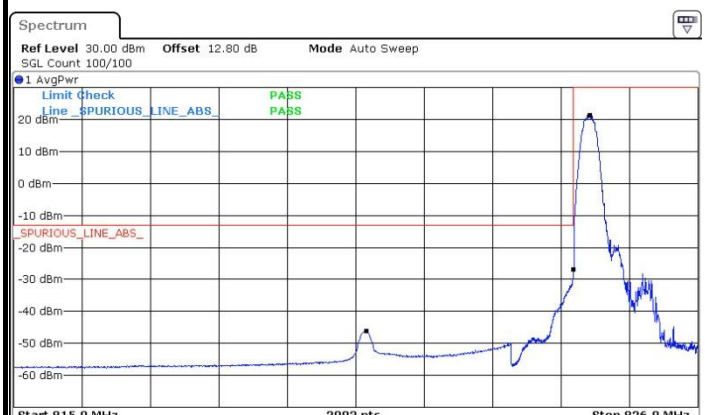
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

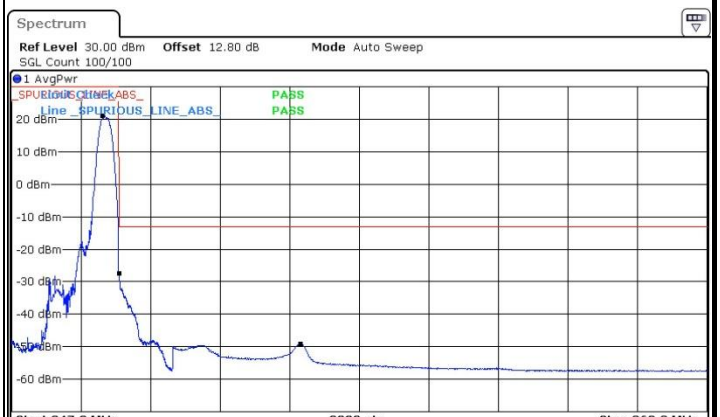


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.66234 MHz	-46.27 dBm	-33.27 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-26.89 dBm	-13.89 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.26074 MHz	21.42 dBm	-8.58 dB

Date: 23.AUG.2015 13:13:09

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	848.70330 MHz	20.97 dBm	-9.03 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-27.38 dBm	-14.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.39261 MHz	-49.11 dBm	-36.11 dB

Date: 23.AUG.2015 13:30:03

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	822.98002 MHz	-36.19 dBm	-23.19 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.98551 MHz	-29.16 dBm	-16.16 dB
824.000 MHz	826.000 MHz	100.000 kHz	825.11588 MHz	13.51 dBm	-16.49 dB

Date: 23.AUG.2015 13:16:58

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	848.65734 MHz	13.12 dBm	-16.88 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.02448 MHz	-29.44 dBm	-16.44 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-37.18 dBm	-24.18 dB

Date: 23.AUG.2015 13:26:14