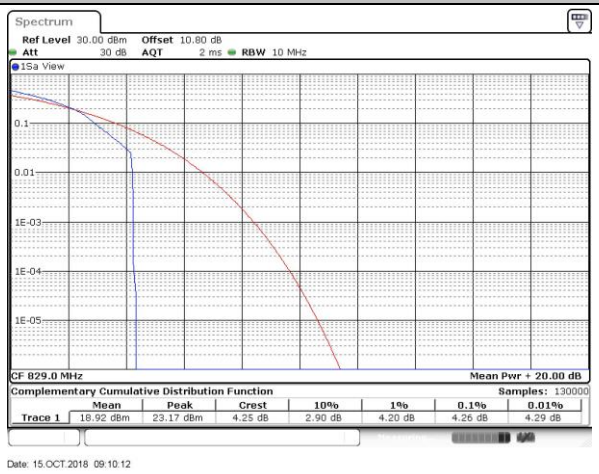
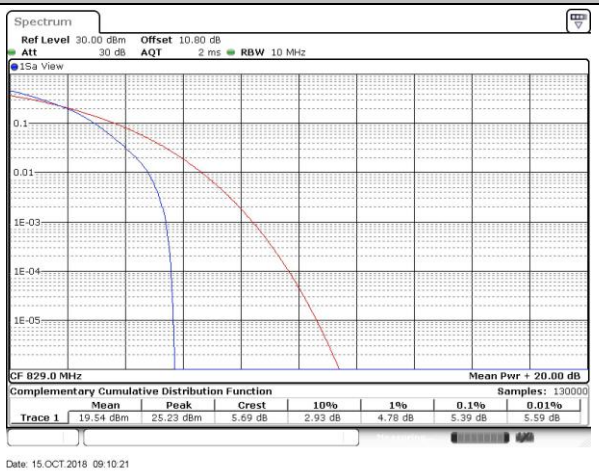
LTE Band 5 / 10MHz / 16QAM

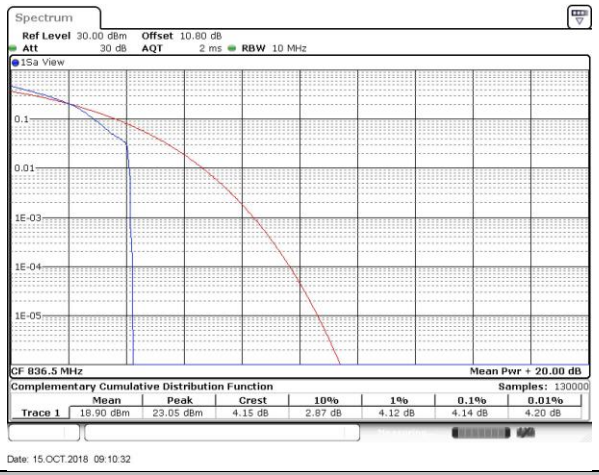
Lowest Channel / 1RB



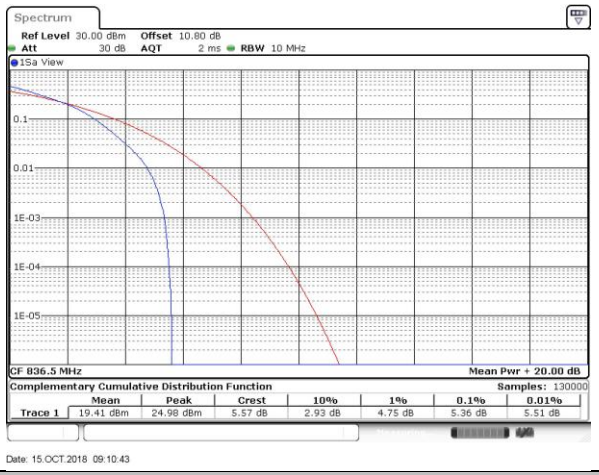
Lowest Channel / Full RB



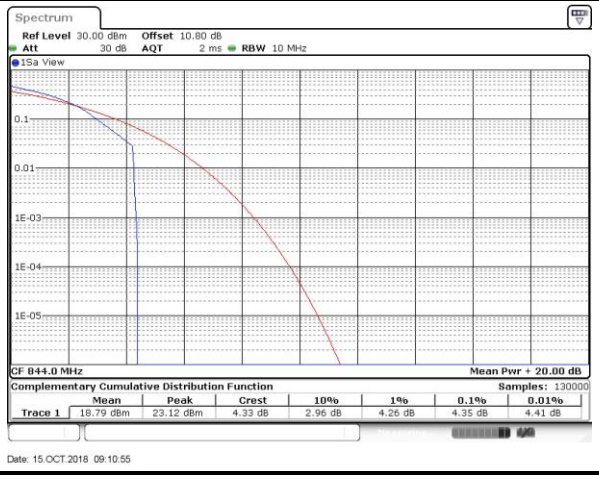
Middle Channel / 1RB



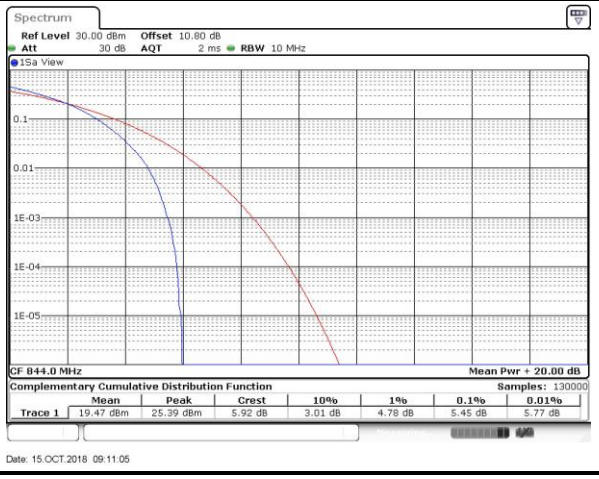
Middle Channel / Full RB



Highest Channel / 1RB

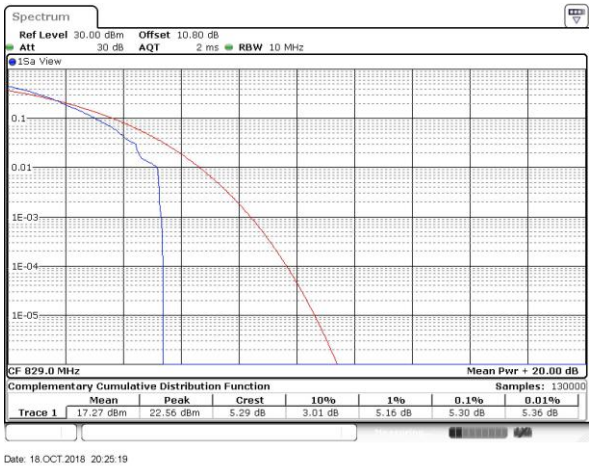


Highest Channel / Full RB

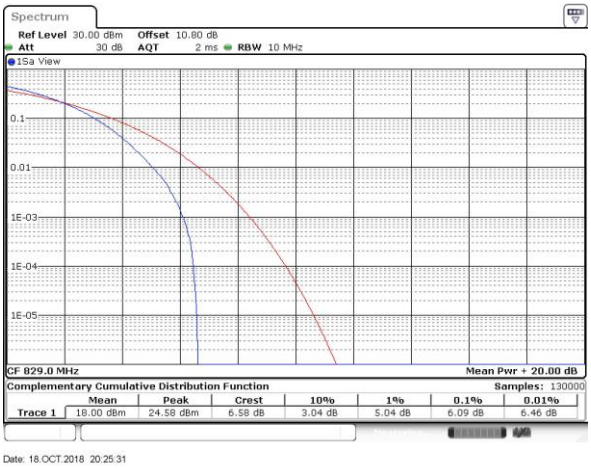


LTE Band 5 / 10MHz / 64QAM

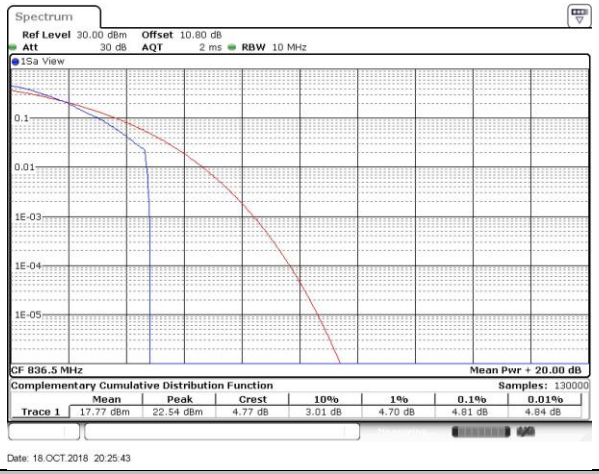
Lowest Channel / 1RB



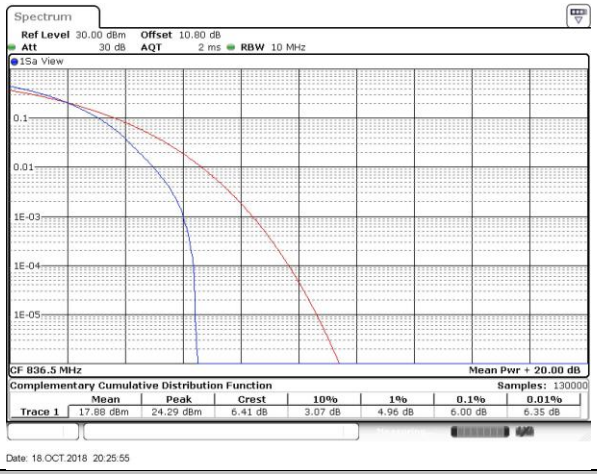
Lowest Channel / Full RB



Middle Channel / 1RB

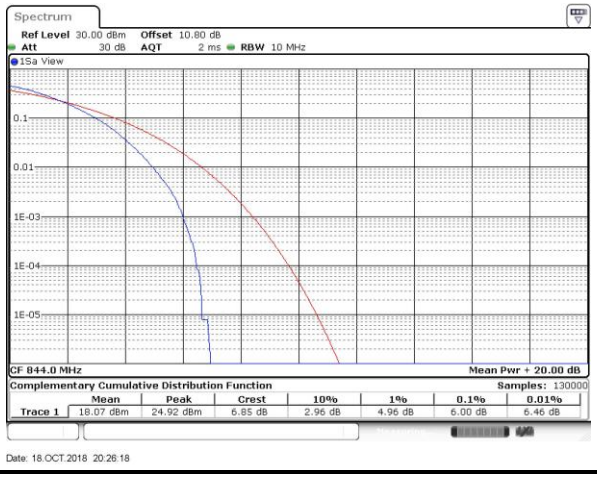


Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB

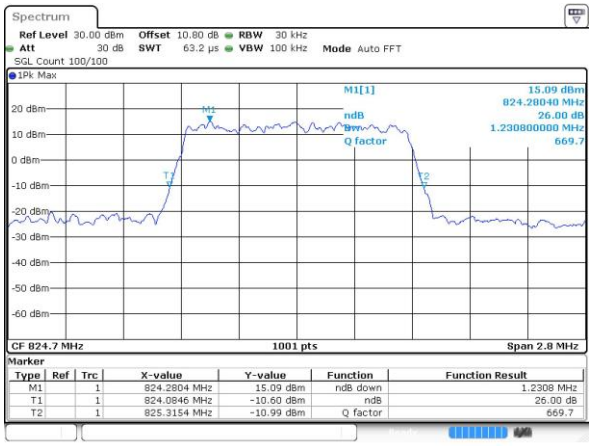


26dB Bandwidth

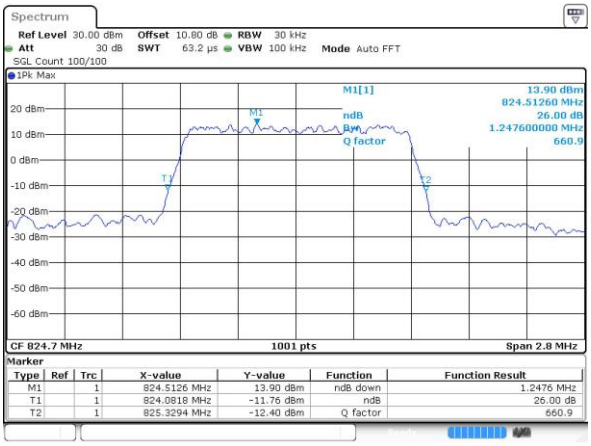
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.25	3.06	3.06	4.96	4.89	9.79	9.75	-	-	-	-
Middle CH	1.24	1.22	3.06	3.05	4.94	4.85	9.77	9.73	-	-	-	-
Highest CH	1.23	1.23	3.08	3.05	4.86	4.93	9.85	9.73	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.02	-	4.93	-	9.79	-	-	-	-	-
Middle CH	1.22	-	3.00	-	4.87	-	9.67	-	-	-	-	-
Highest CH	1.22	-	3.02	-	4.91	-	9.71	-	-	-	-	-

LTE Band 5

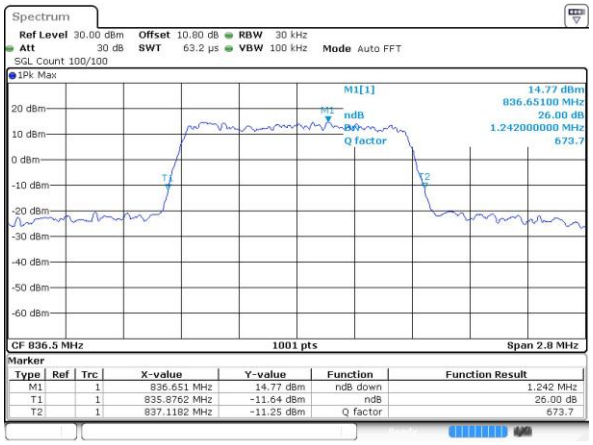
Lowest Channel / 1.4MHz / QPSK



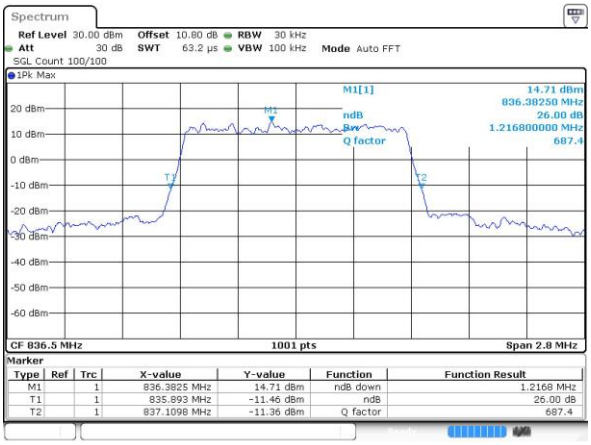
Lowest Channel / 1.4MHz / 16QAM



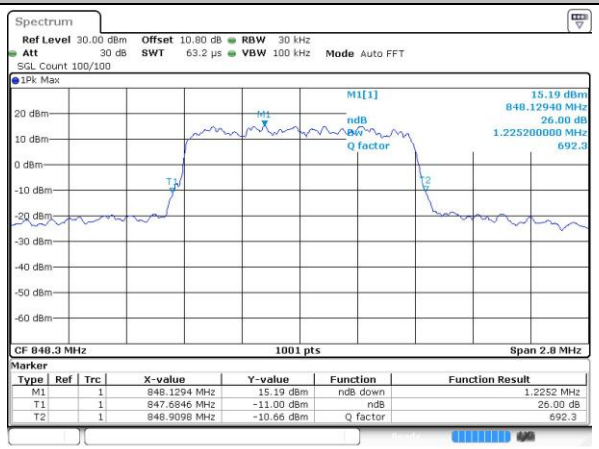
Middle Channel / 1.4MHz / QPSK



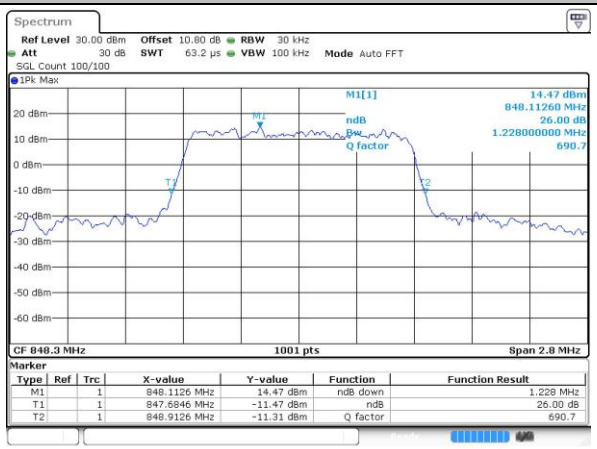
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

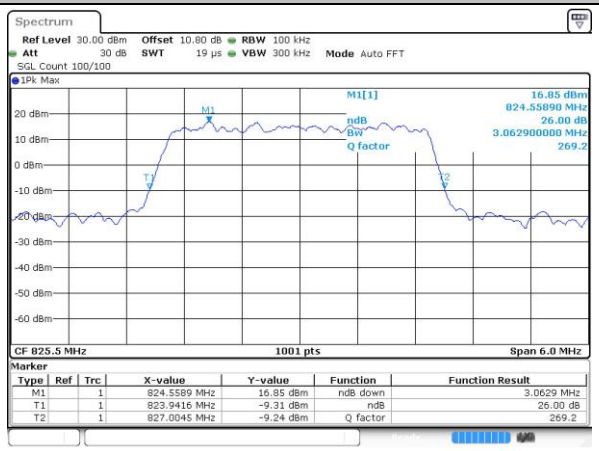


Highest Channel / 1.4MHz / 16QAM

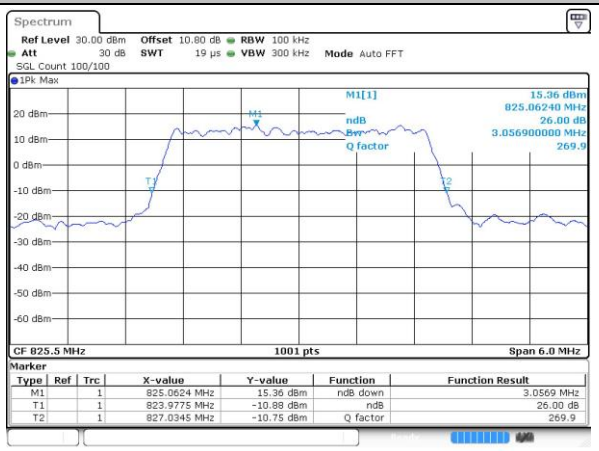


LTE Band 5

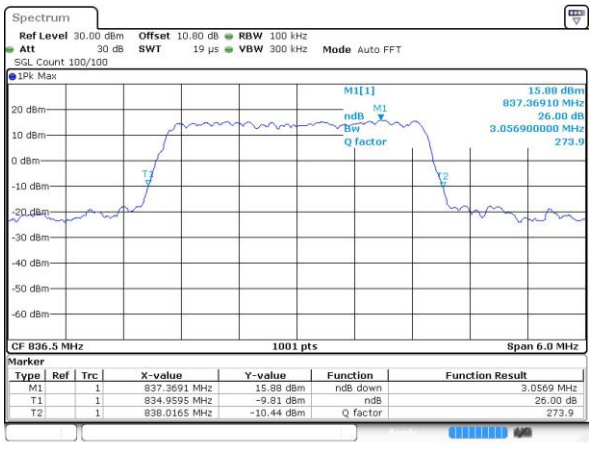
Lowest Channel / 3MHz / QPSK



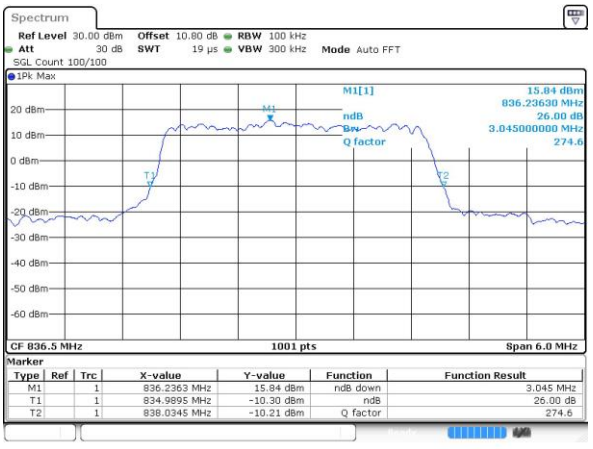
Lowest Channel / 3MHz / 16QAM



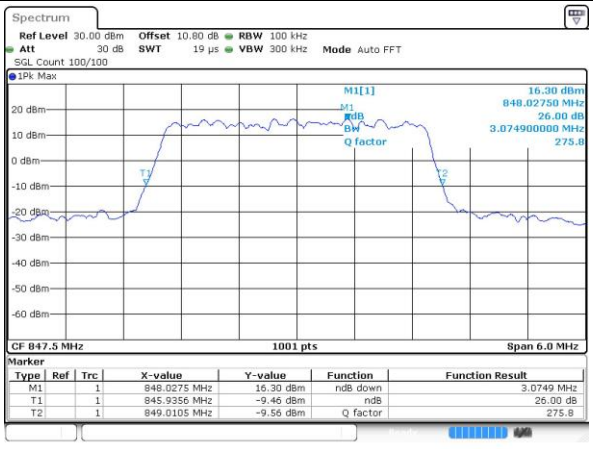
Middle Channel / 3MHz / QPSK



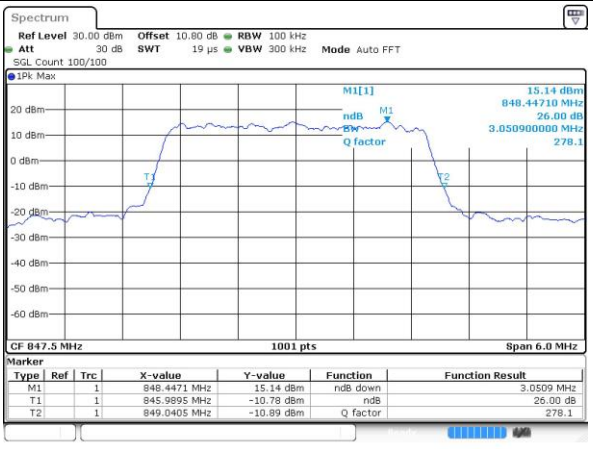
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

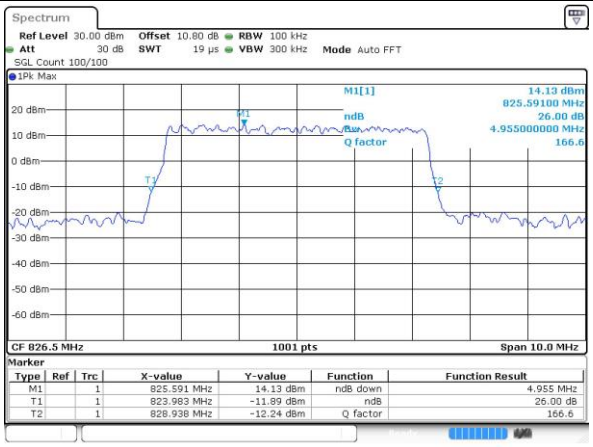


Highest Channel / 3MHz / 16QAM

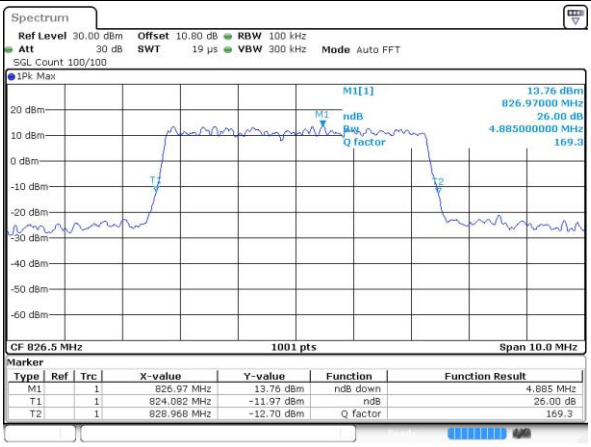


LTE Band 5

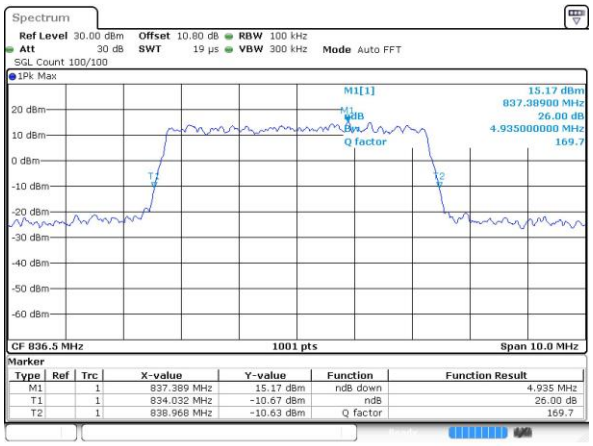
Lowest Channel / 5MHz / QPSK



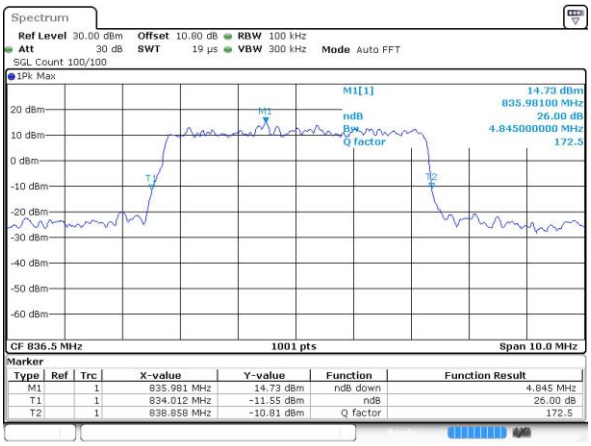
Lowest Channel / 5MHz / 16QAM



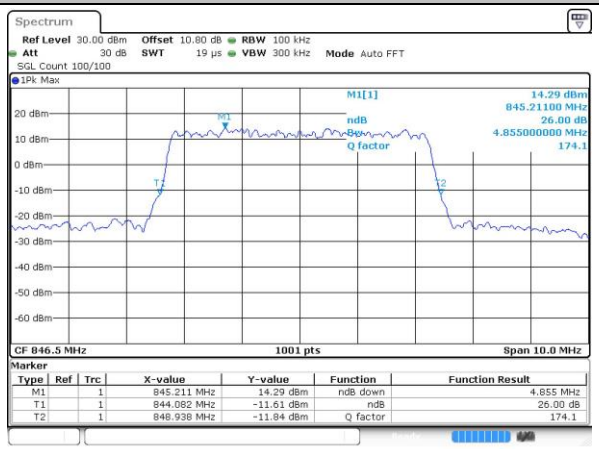
Middle Channel / 5MHz / QPSK



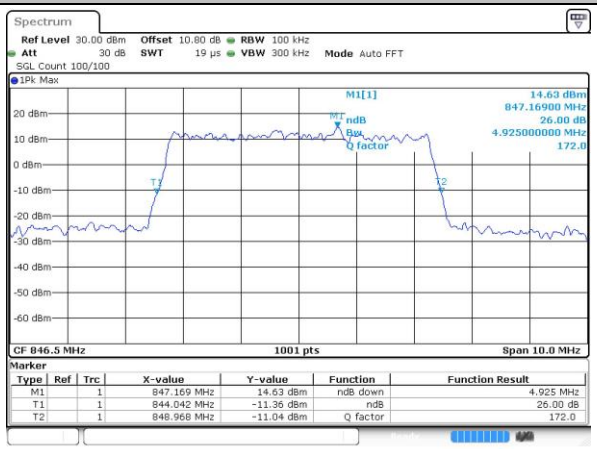
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

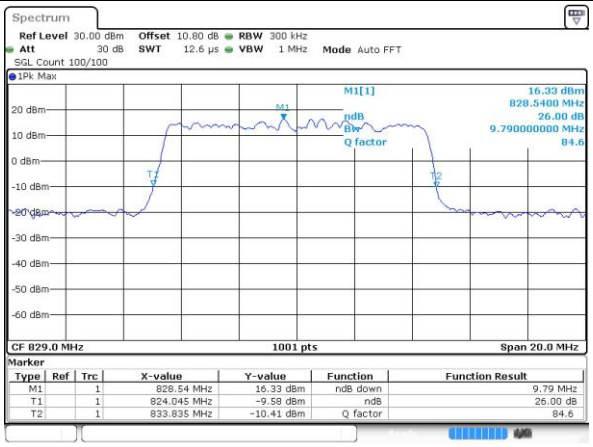


Highest Channel / 5MHz / 16QAM

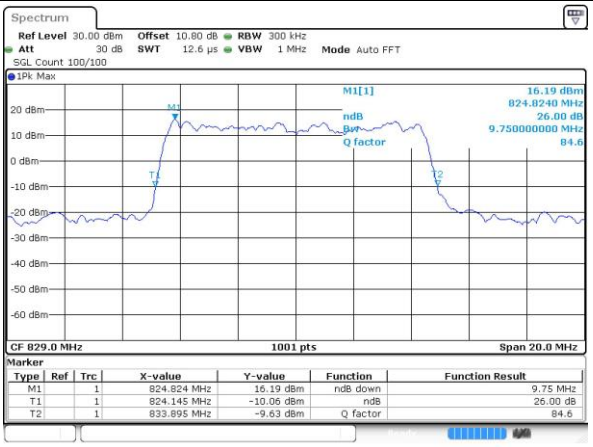


LTE Band 5

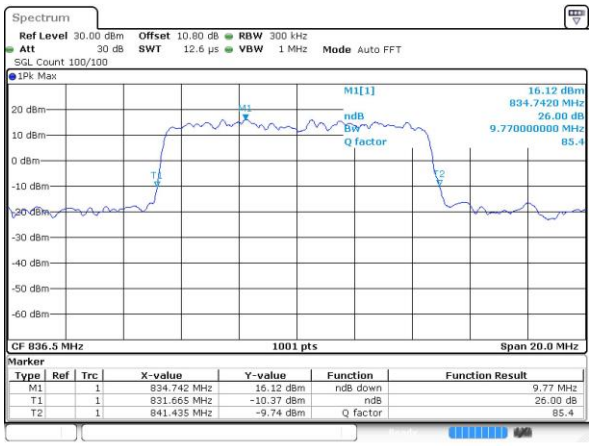
Lowest Channel / 10MHz / QPSK



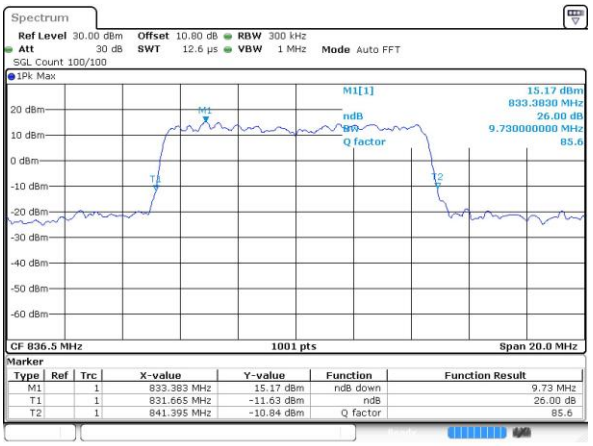
Lowest Channel / 10MHz / 16QAM



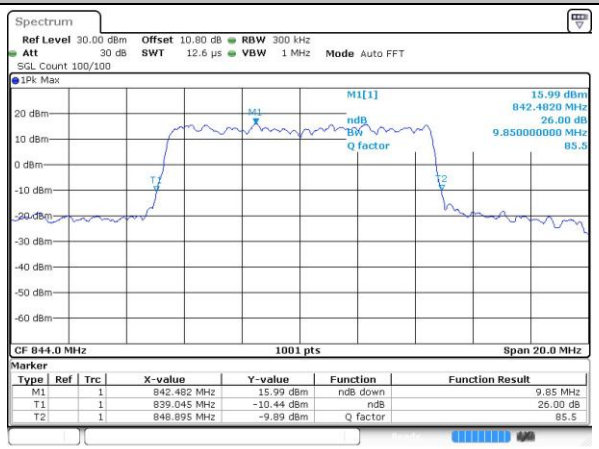
Middle Channel / 10MHz / QPSK



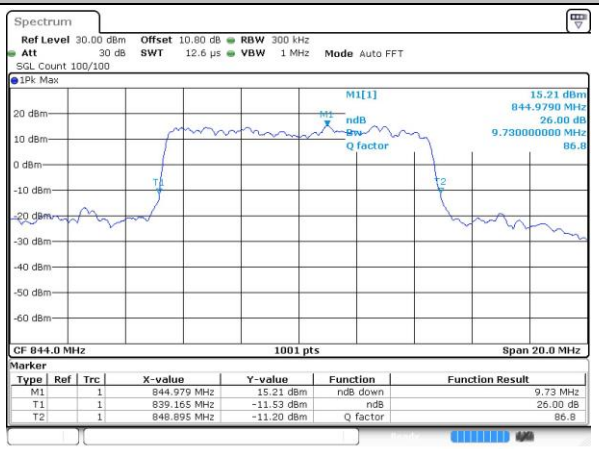
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

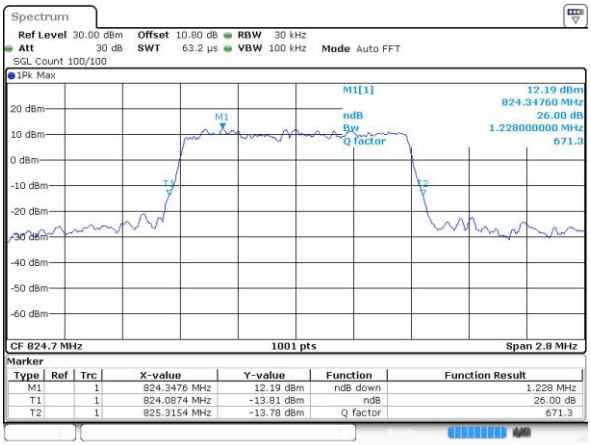


Highest Channel / 10MHz / 16QAM

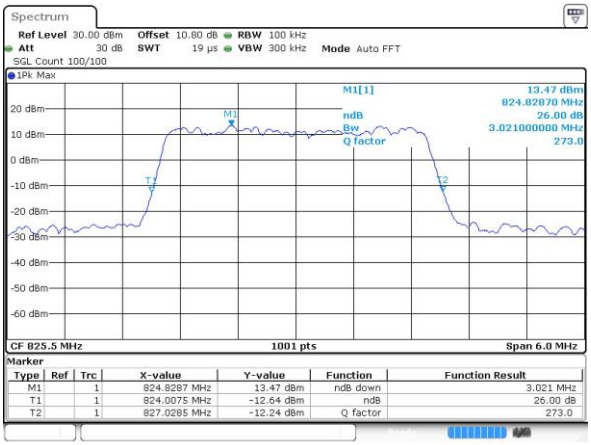


LTE Band 5

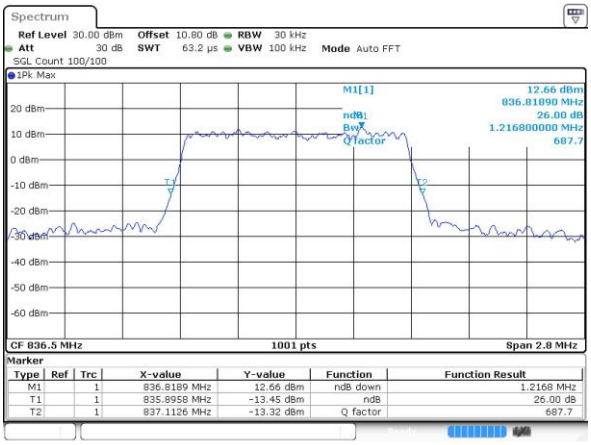
Lowest Channel / 1.4MHz / 64QAM



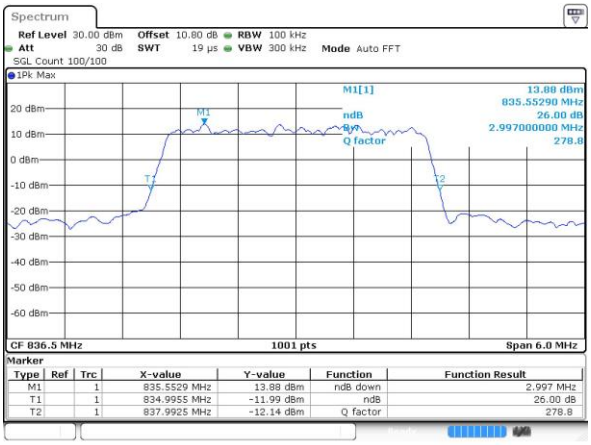
Lowest Channel / 3MHz / 64QAM



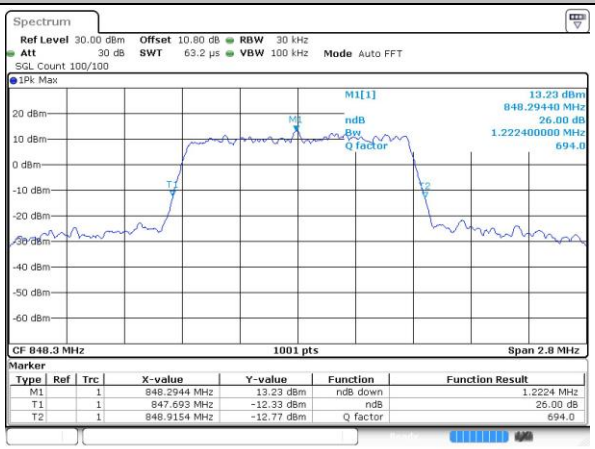
Middle Channel / 1.4MHz / 64QAM



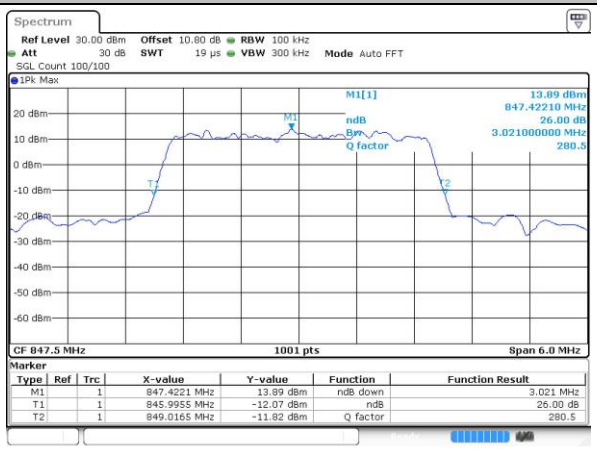
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

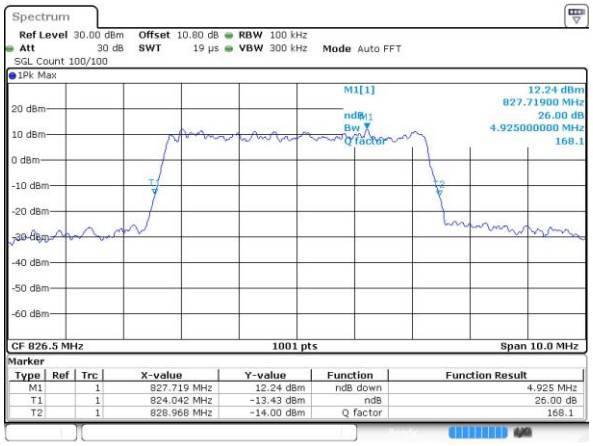


Highest Channel / 3MHz / 64QAM

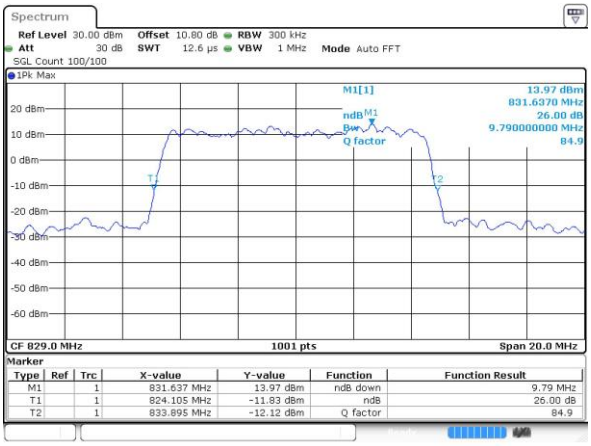


LTE Band 5

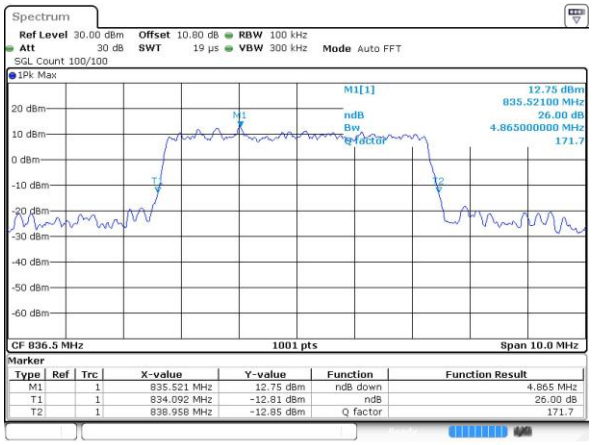
Lowest Channel / 5MHz / 64QAM



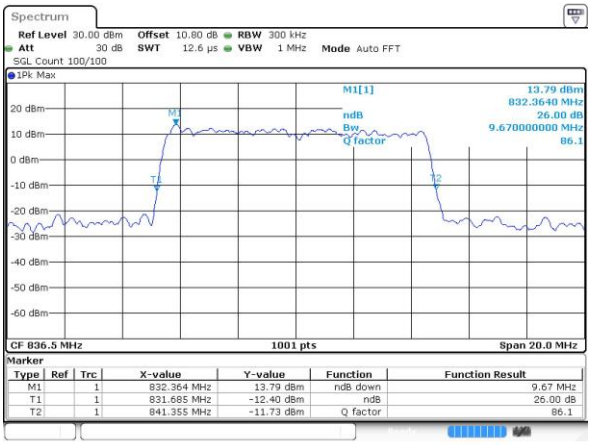
Lowest Channel / 10MHz / 64QAM



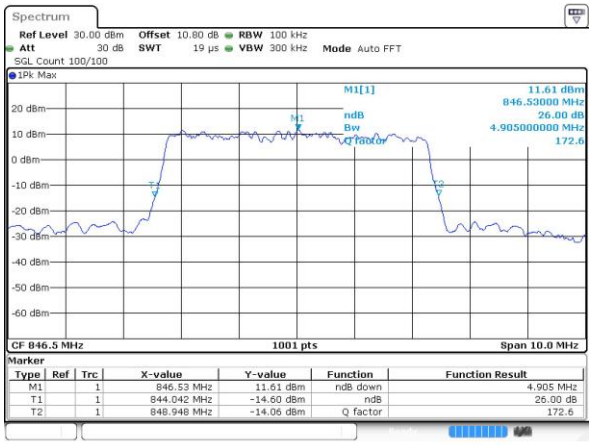
Middle Channel / 5MHz / 64QAM



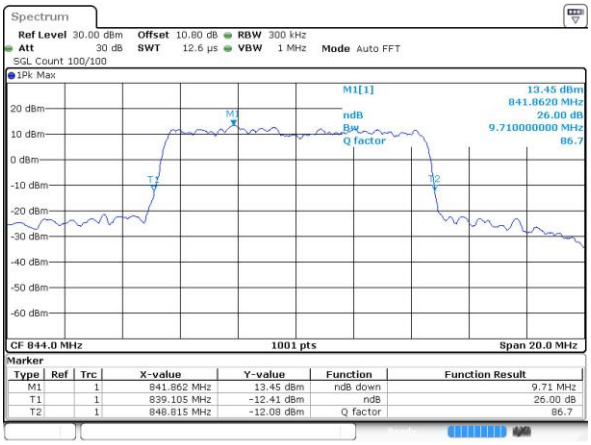
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

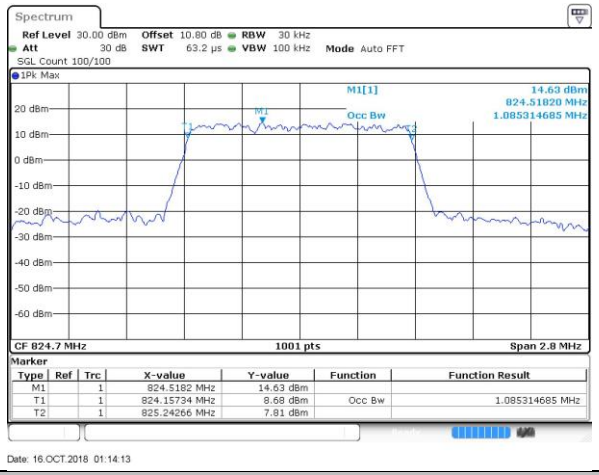


Occupied Bandwidth

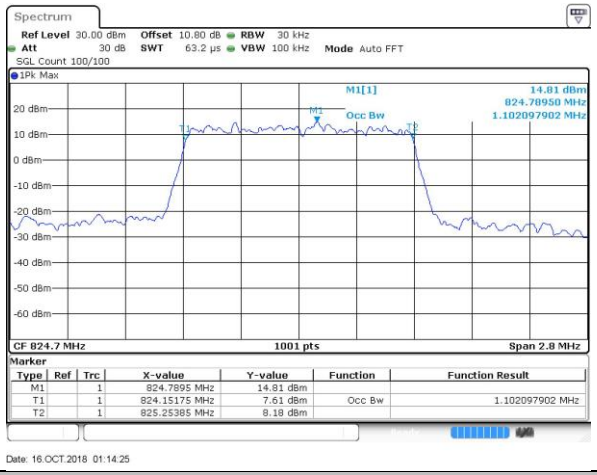
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.71	2.71	4.5	4.51	9.03	9.05	-	-	-	-
Middle CH	1.09	1.1	2.72	2.72	4.49	4.49	9.05	9.05	-	-	-	-
Highest CH	1.09	1.09	2.72	2.71	4.5	4.47	8.97	8.99	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.70	-	4.50	-	8.99	-	-	-	-	-
Middle CH	1.09	-	2.72	-	4.48	-	9.03	-	-	-	-	-
Highest CH	1.09	-	2.75	-	4.49	-	9.05	-	-	-	-	-

LTE Band 5

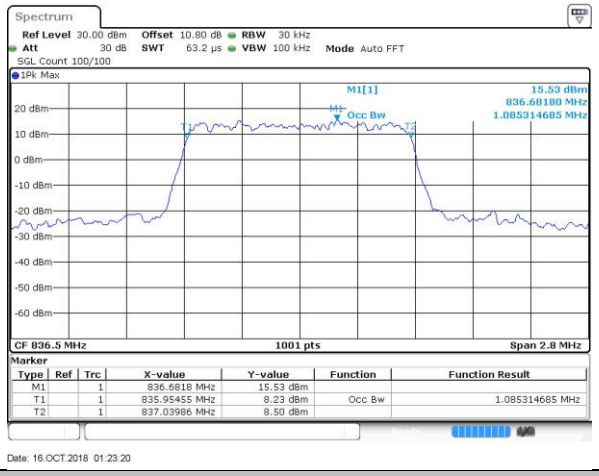
Lowest Channel / 1.4MHz / QPSK



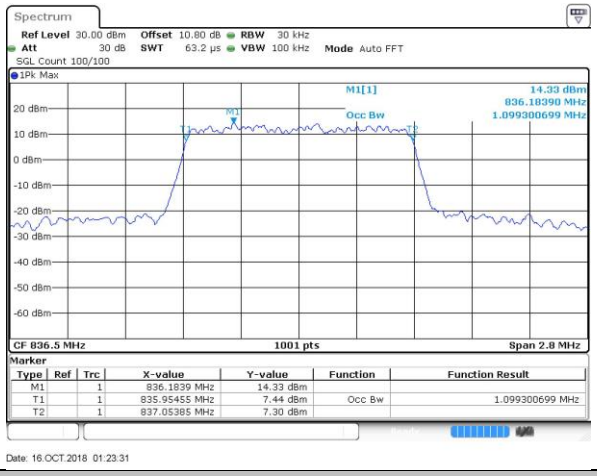
Lowest Channel / 1.4MHz / 16QAM



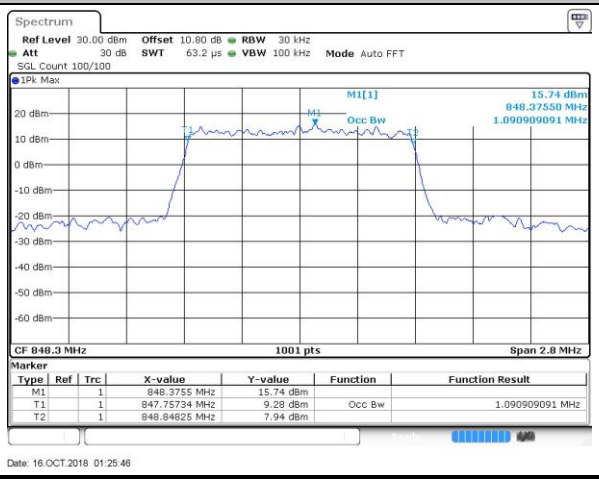
Middle Channel / 1.4MHz / QPSK



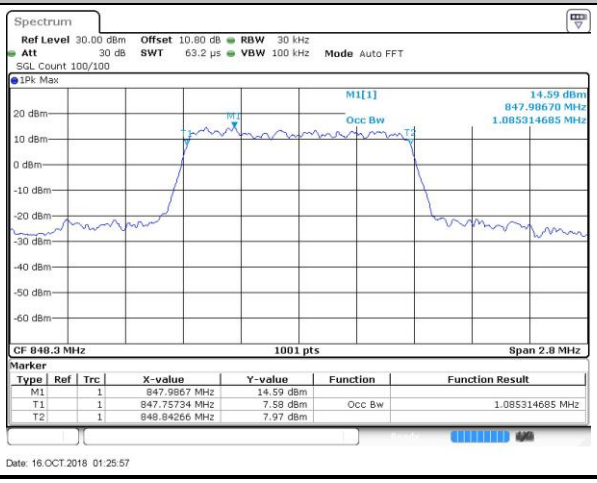
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

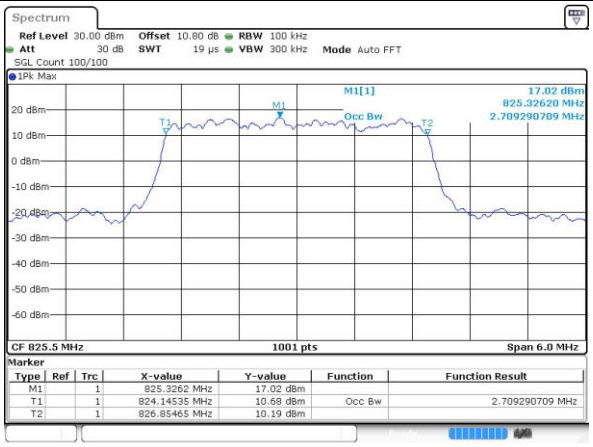


Highest Channel / 1.4MHz / 16QAM



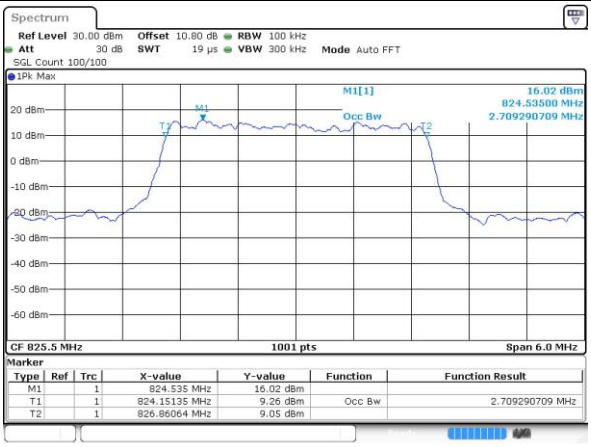
LTE Band 5

Lowest Channel / 3MHz / QPSK



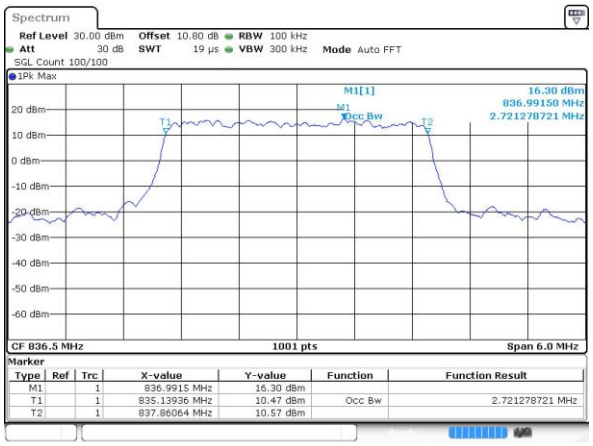
Date: 14.OCT.2018 20:51:16

Lowest Channel / 3MHz / 16QAM



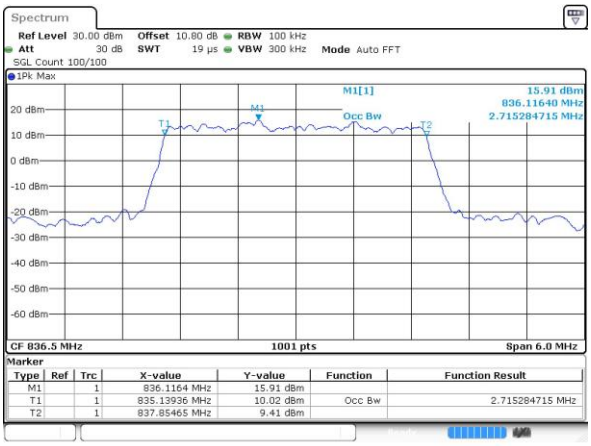
Date: 14.OCT.2018 20:51:28

Middle Channel / 3MHz / QPSK



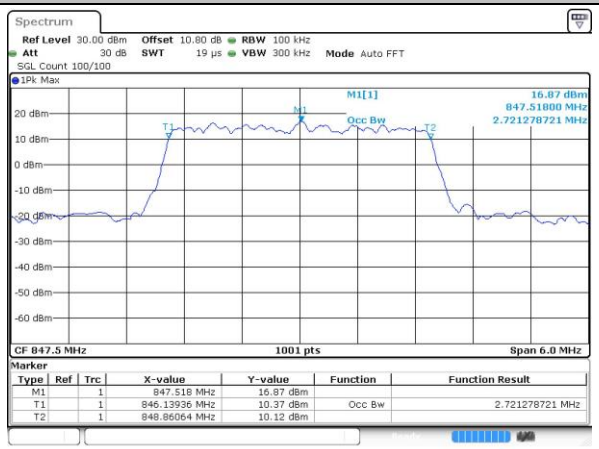
Date: 14.OCT.2018 21:00:23

Middle Channel / 3MHz / 16QAM



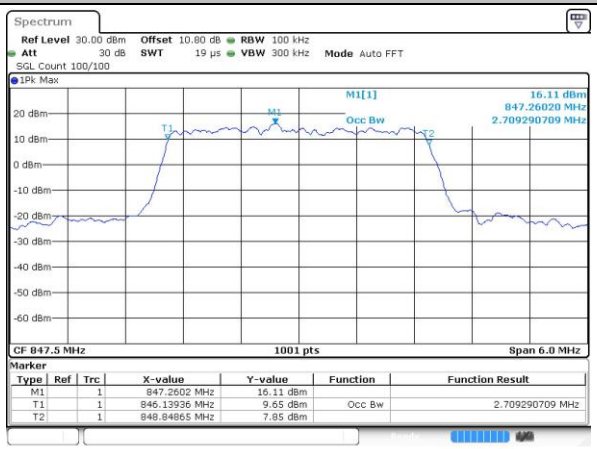
Date: 15.OCT.2018 09:19:25

Highest Channel / 3MHz / QPSK



Date: 14.OCT.2018 21:14:39

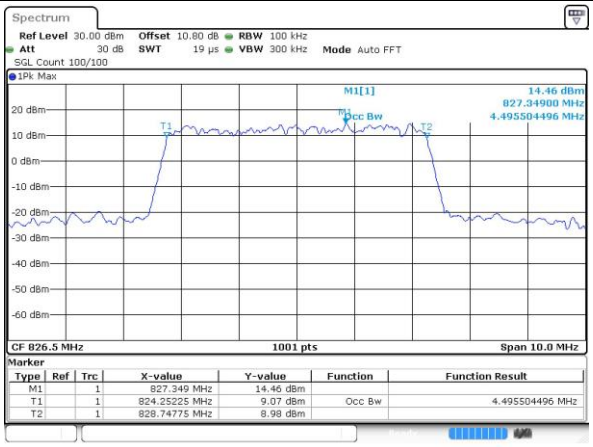
Highest Channel / 3MHz / 16QAM



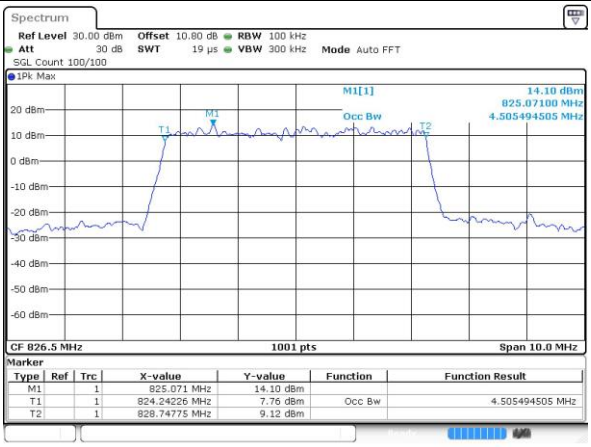
Date: 14.OCT.2018 21:14:50

LTE Band 5

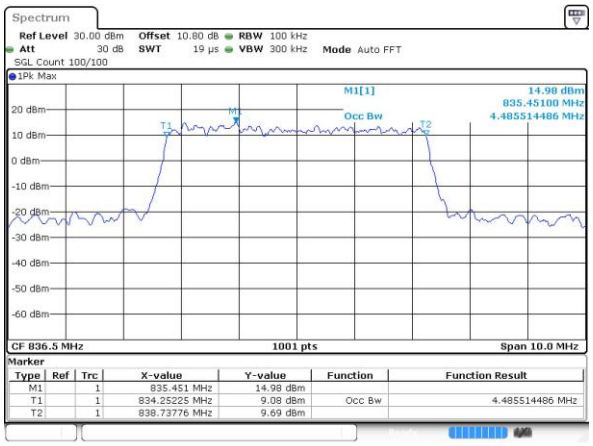
Lowest Channel / 5MHz / QPSK



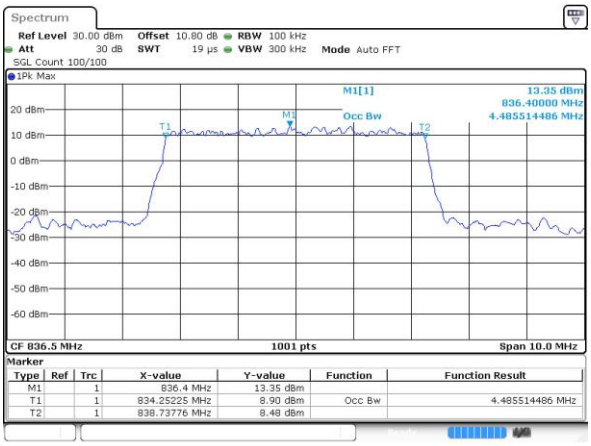
Lowest Channel / 5MHz / 16QAM



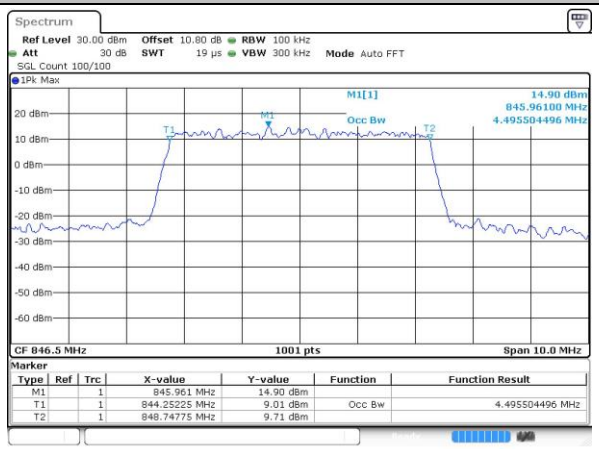
Middle Channel / 5MHz / QPSK



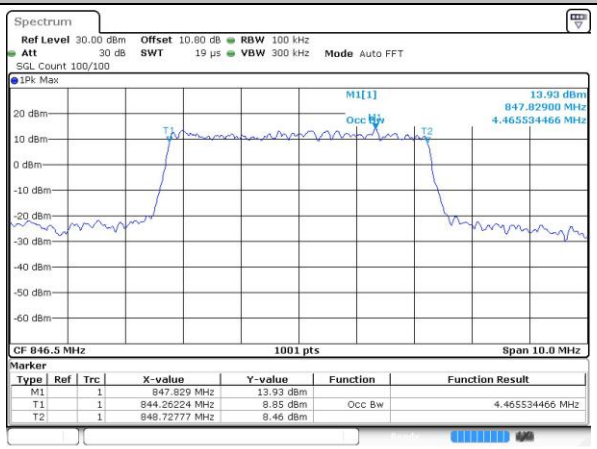
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

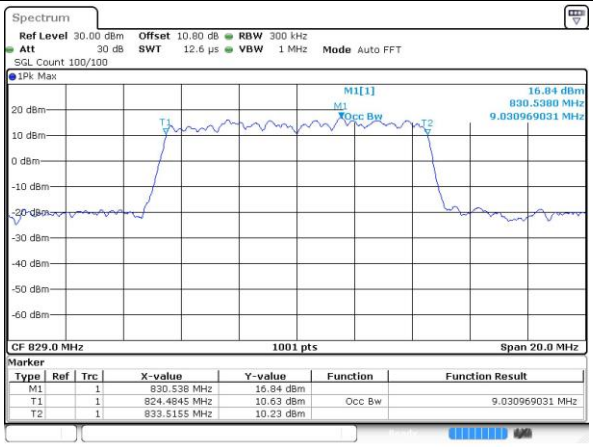


Highest Channel / 5MHz / 16QAM

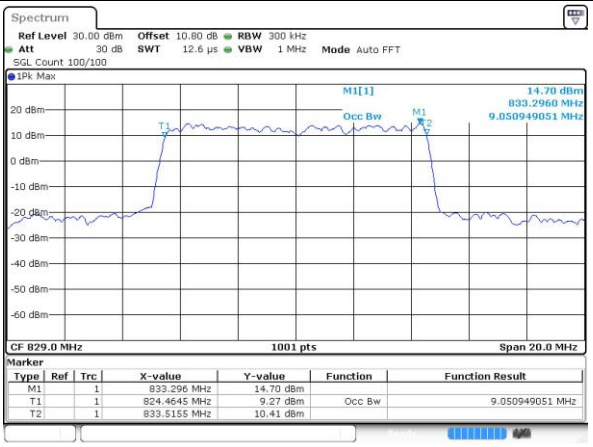


LTE Band 5

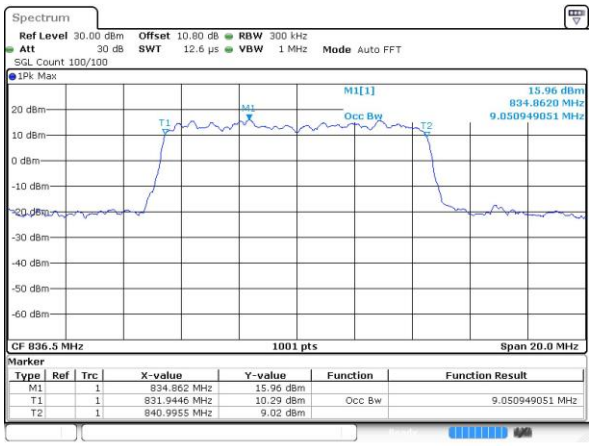
Lowest Channel / 10MHz / QPSK



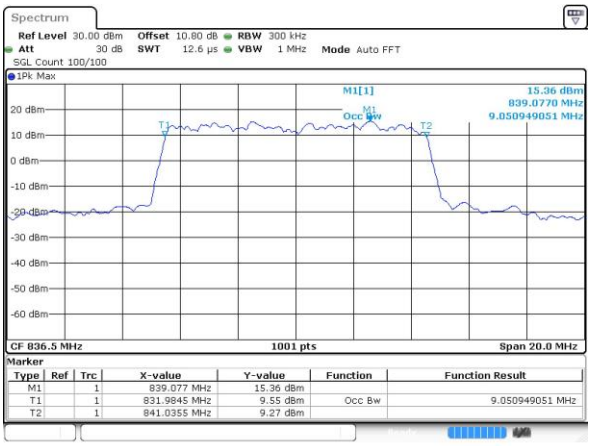
Lowest Channel / 10MHz / 16QAM



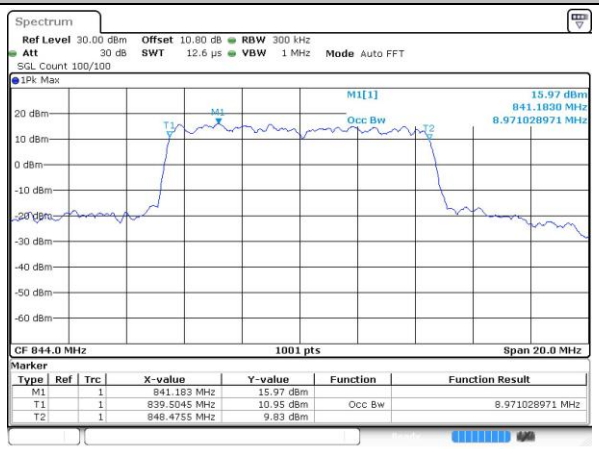
Middle Channel / 10MHz / QPSK



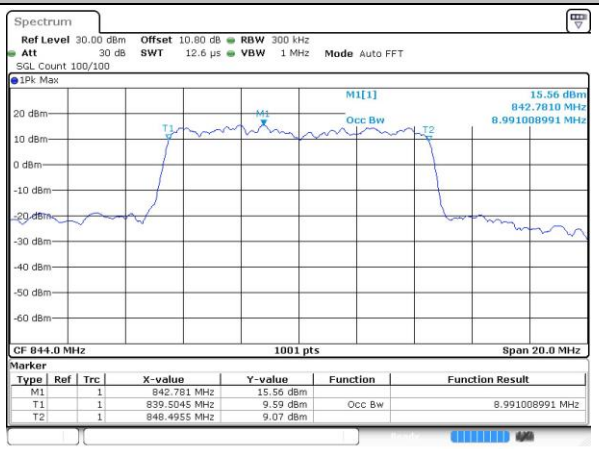
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

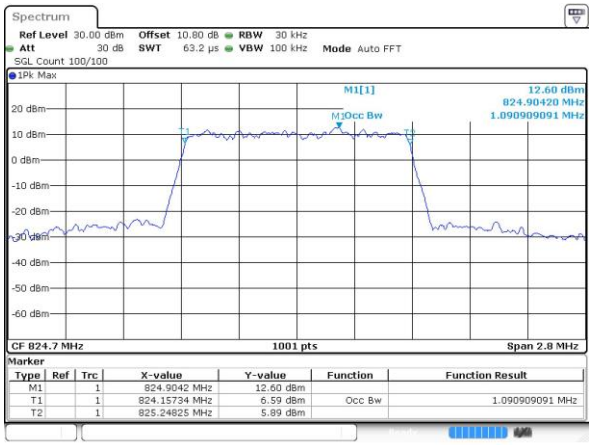


Highest Channel / 10MHz / 16QAM

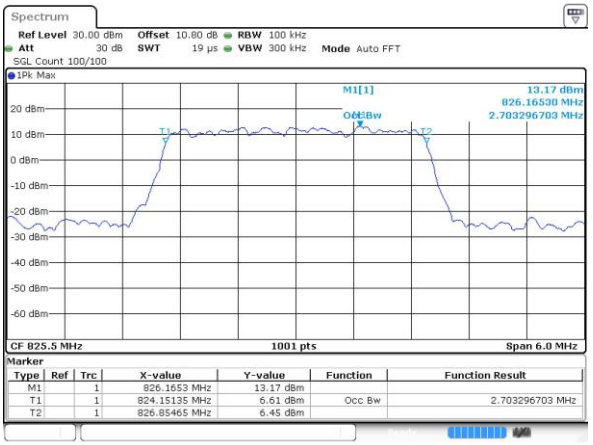


LTE Band 5

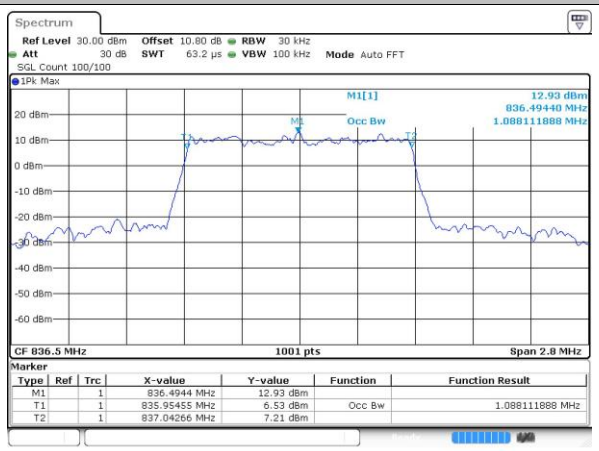
Lowest Channel / 1.4MHz / 64QAM



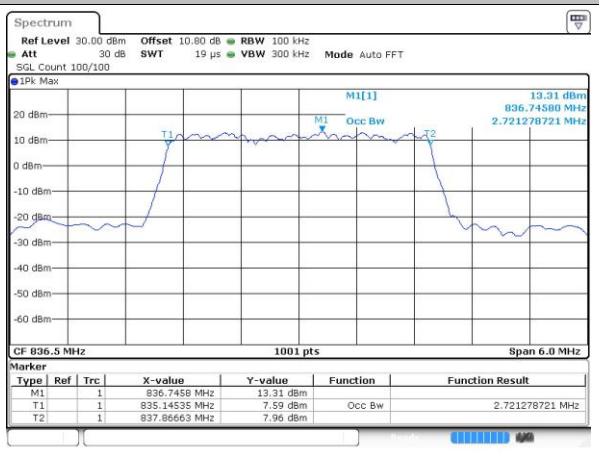
Lowest Channel / 3MHz / 64QAM



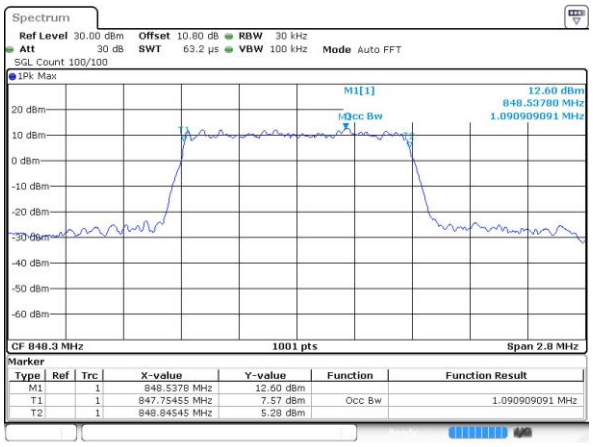
Middle Channel / 1.4MHz / 64QAM



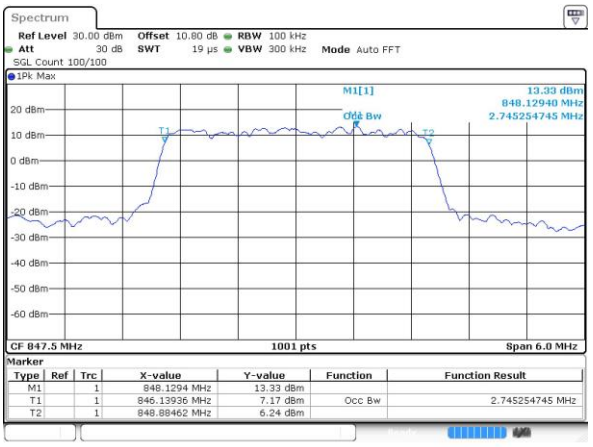
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

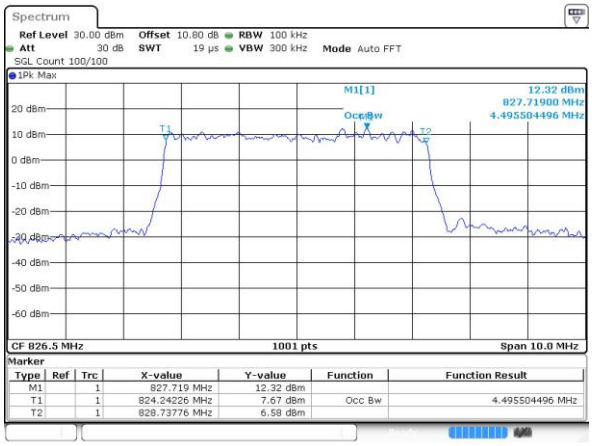


Highest Channel / 3MHz / 64QAM

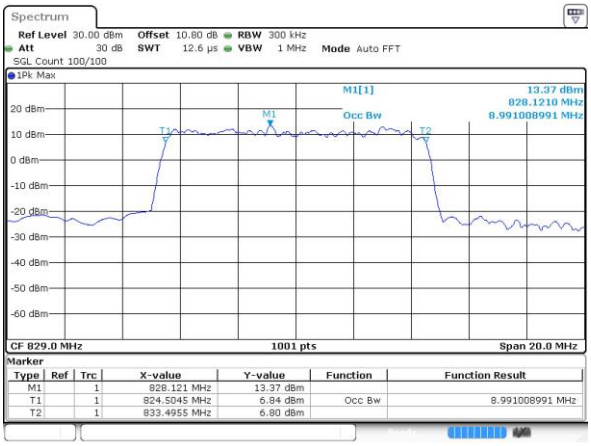


LTE Band 5

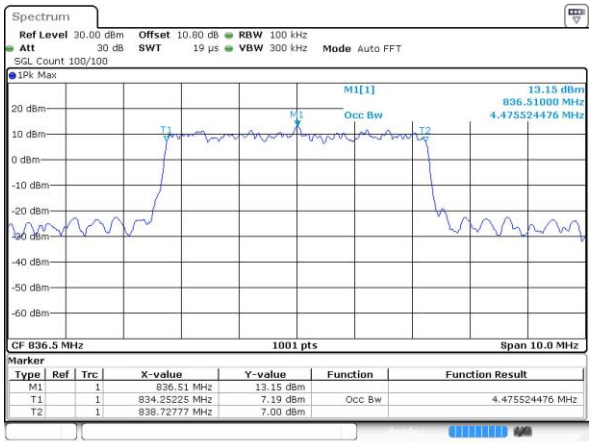
Lowest Channel / 5MHz / 64QAM



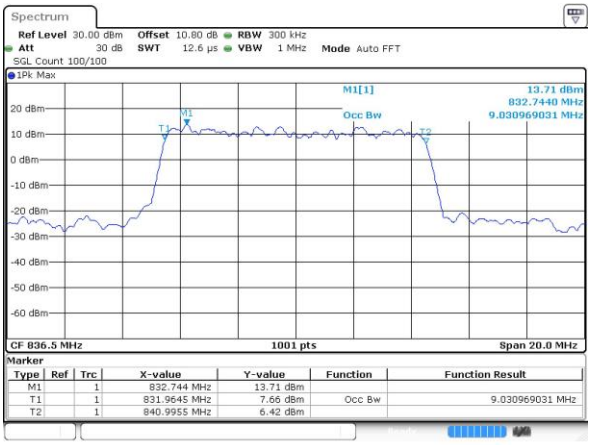
Lowest Channel / 10MHz / 64QAM



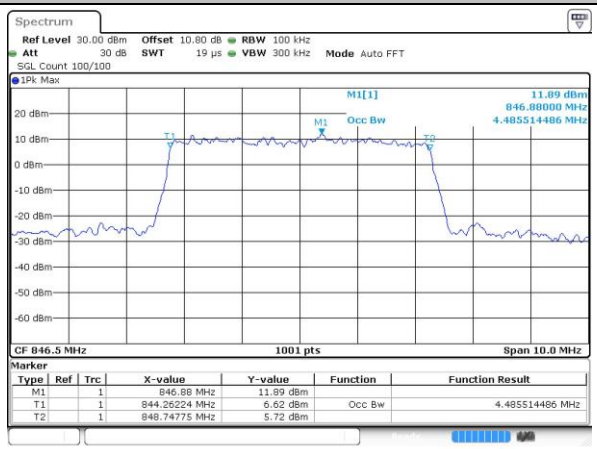
Middle Channel / 5MHz / 64QAM



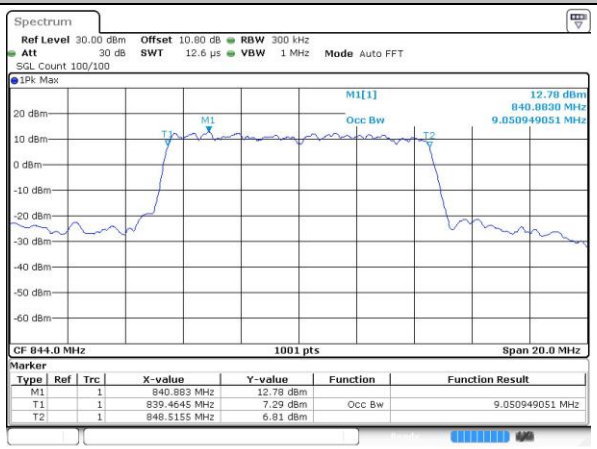
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM



Conducted Band Edge

Mode			LTE Band 5 / 1.4MHz					
Mod.			QPSK		16QAM		64QAM	
Limit (dBm)		RB Size	1RB	Full RB	1RB	Full RB	1RB	Full RB
Lowest CH	≦-13	0~1MHz	-28.68	-31.01	-27.43	-31.55	-31.47	-34.24
	≦-13	>1MHz	-49.71	-33.65	-46.95	-34.08	-52.28	-36.6
Highest CH	≦-13	0~1MHz	-28.32	-29.38	-26.9	-30.71	-30.85	-32.33
	≦-13	>1MHz	-50.42	-32.67	-47.83	-33.75	-52.23	-35.12
Result		Compliance						

Mode			LTE Band 5 / 3MHz					
Mod.			QPSK		16QAM		64QAM	
Limit (dBm)		RB Size	1RB	Full RB	1RB	Full RB	1RB	Full RB
Lowest CH	≦-13	0~1MHz	-20.23	-26.89	-19.99	-28.76	-24.41	-32.31
	≦-13	>1MHz	-27.21	-30.17	-28.68	-31.71	-30.35	-34.66
Highest CH	≦-13	0~1MHz	-20.5	-26.76	-19.85	-28.52	-23.79	-31.99
	≦-13	>1MHz	-27.2	-29.92	-28.5	-31.46	-30.86	-34.6
Result		Compliance						

Mode			LTE Band 5 / 5MHz					
Mod.			QPSK		16QAM		64QAM	
Limit (dBm)		RB Size	1RB	Full RB	1RB	Full RB	1RB	Full RB
Lowest CH	≦-13	0~1MHz	-23.97	-29.78	-23.77	-31.63	-27.49	-34.86
	≦-13	>1MHz	-27.81	-32.61	-29.33	-33.82	-31.23	-36.47
Highest CH	≦-13	0~1MHz	-23.69	-29.38	-24.48	-31.96	-27.06	-34.52
	≦-13	>1MHz	-27.61	-32.01	-28.78	-31.63	-31.12	-36.05
Result		Compliance						

Mode			LTE Band 5 / 10MHz					
Mod.			QPSK		16QAM		64QAM	
Limit (dBm)		RB Size	1RB	Full RB	1RB	Full RB	1RB	Full RB
Lowest CH	≦-13	0~1MHz	-30.51	-30.53	-30.03	-32.68	-35.48	-36.32
	≦-13	>1MHz	-47.19	-33.12	-51.19	-34.76	-53.3	-37.66
Highest CH	≦-13	0~1MHz	-30.7	-28.09	-30.94	-30.32	-35.59	-34.65
	≦-13	>1MHz	-28.73	-31.08	-29.76	-33.41	-32.5	-36.62
Result		Compliance						

LTE Band 5 / 1.4MHz / QPSK

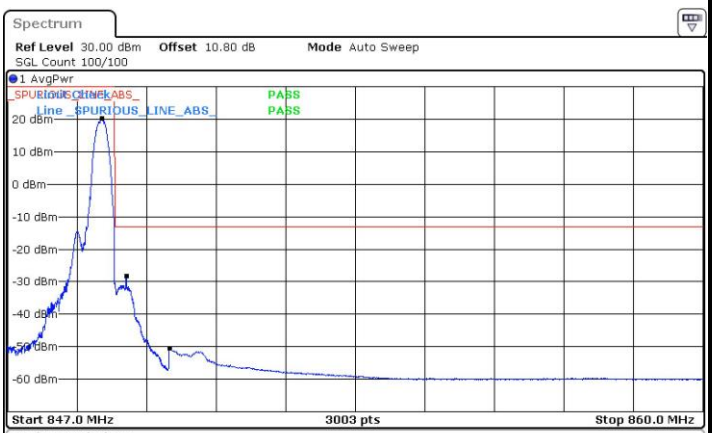
Lowest Band Edge / 1RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-49.71 dBm	-36.71 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.81668 MHz	-28.68 dBm	-15.68 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25075 MHz	20.08 dBm	-9.92 dB

Date: 16.OCT.2018 01:16:27

Highest Band Edge / 1RB

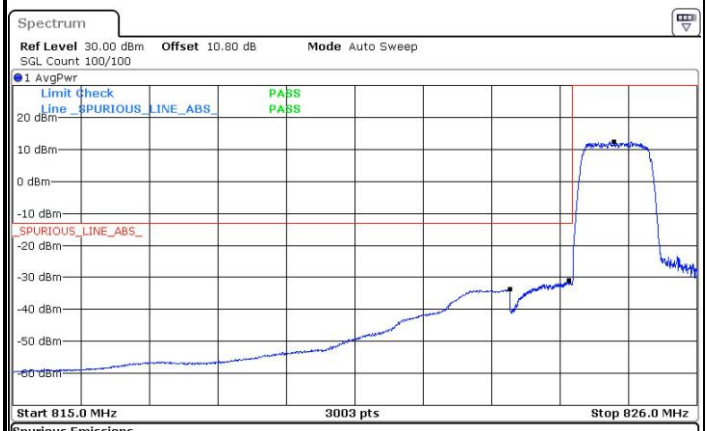


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76923 MHz	20.13 dBm	-9.87 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.21828 MHz	-28.32 dBm	-15.32 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-50.42 dBm	-37.42 dB

Date: 16.OCT.2018 01:31:20

Lowest Band Edge / Full RB

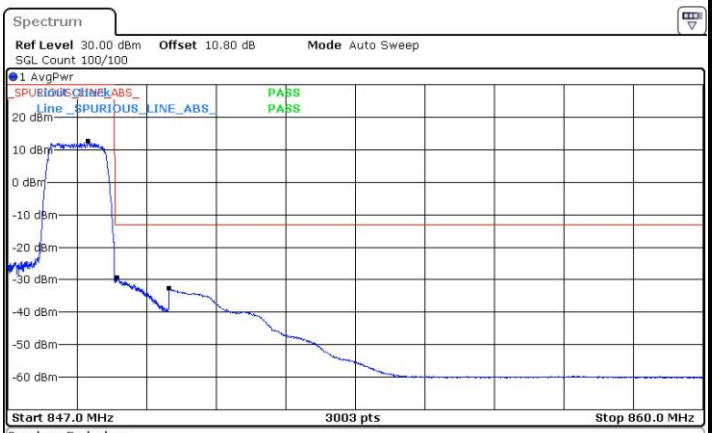


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-33.65 dBm	-20.65 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.93357 MHz	-31.01 dBm	-18.01 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.66633 MHz	12.33 dBm	-17.67 dB

Date: 16.OCT.2018 01:19:47

Highest Band Edge / Full RB



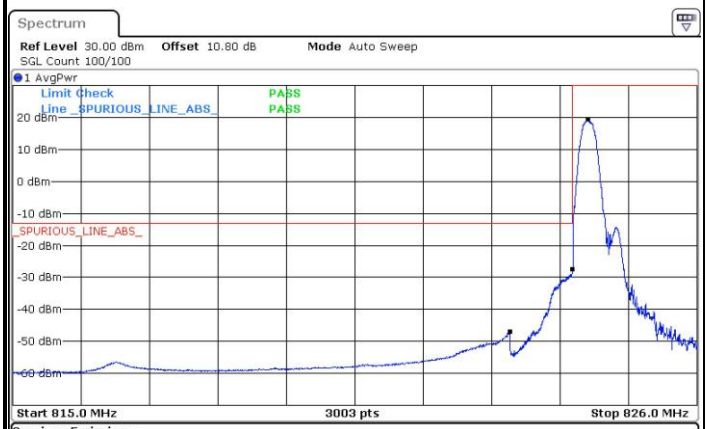
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.50549 MHz	12.65 dBm	-17.35 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.04945 MHz	-29.38 dBm	-16.38 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-32.67 dBm	-19.67 dB

Date: 16.OCT.2018 01:28:00

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

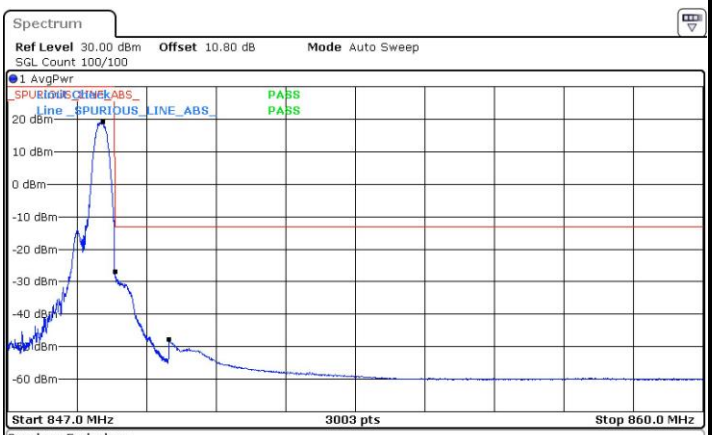


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-46.95 dBm	-33.95 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-27.43 dBm	-14.43 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24675 MHz	19.32 dBm	-10.68 dB

Date: 16.OCT.2018 01:18:07

Highest Band Edge / 1 RB

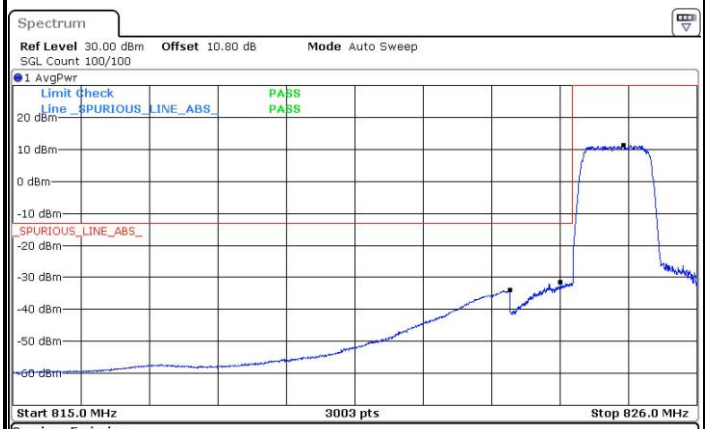


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77123 MHz	19.15 dBm	-10.85 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-26.90 dBm	-13.90 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-47.83 dBm	-34.83 dB

Date: 16.OCT.2018 01:33:00

Lowest Band Edge / Full RB

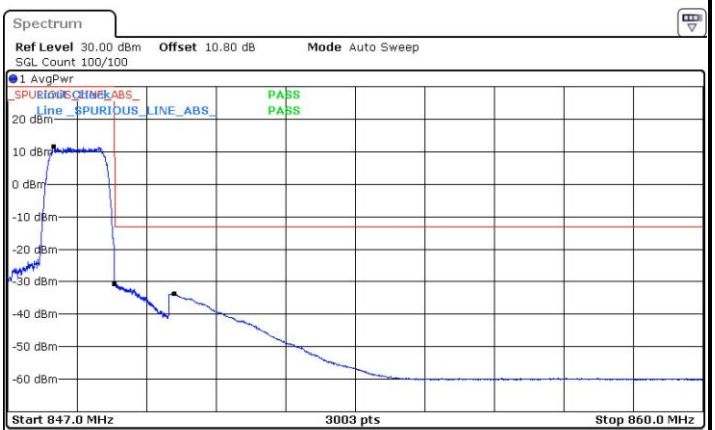


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-34.08 dBm	-21.08 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.80270 MHz	-31.55 dBm	-18.55 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.80819 MHz	11.21 dBm	-18.79 dB

Date: 16.OCT.2018 01:21:28

Highest Band Edge / Full RB



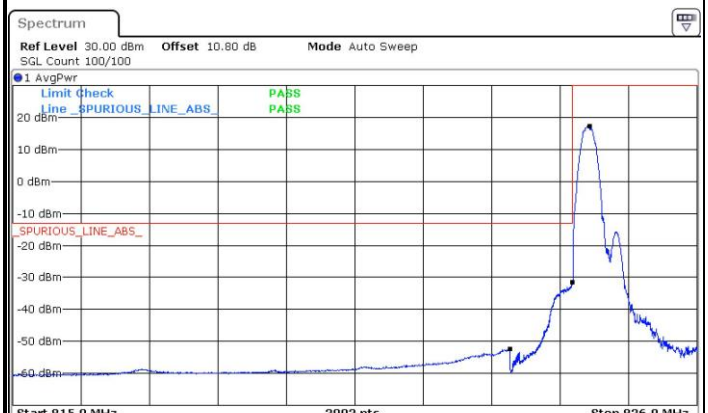
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.85814 MHz	11.48 dBm	-18.52 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-30.71 dBm	-17.71 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.11489 MHz	-33.75 dBm	-20.75 dB

Date: 16.OCT.2018 01:29:40

LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

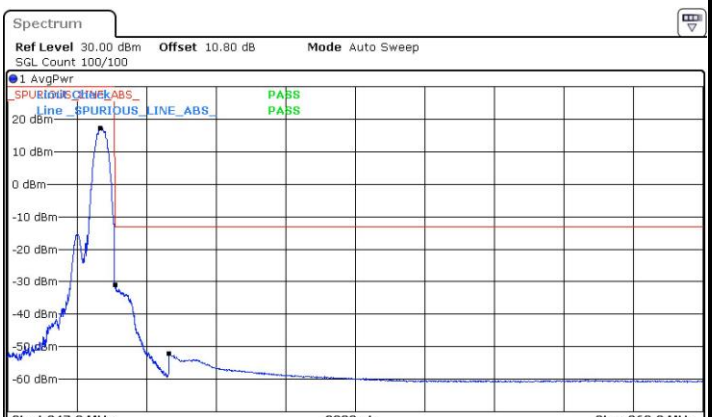


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-52.28 dBm	-39.28 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-31.47 dBm	-18.47 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.26673 MHz	17.32 dBm	-12.68 dB

Date: 18.OCT.2018 20:17:11

Highest Band Edge / 1 RB

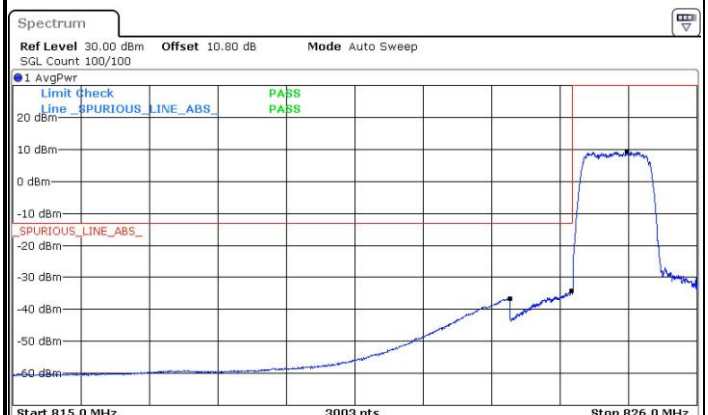


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.73726 MHz	17.25 dBm	-12.75 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00450 MHz	-30.85 dBm	-17.85 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-52.23 dBm	-39.23 dB

Date: 18.OCT.2018 20:24:18

Lowest Band Edge / Full RB

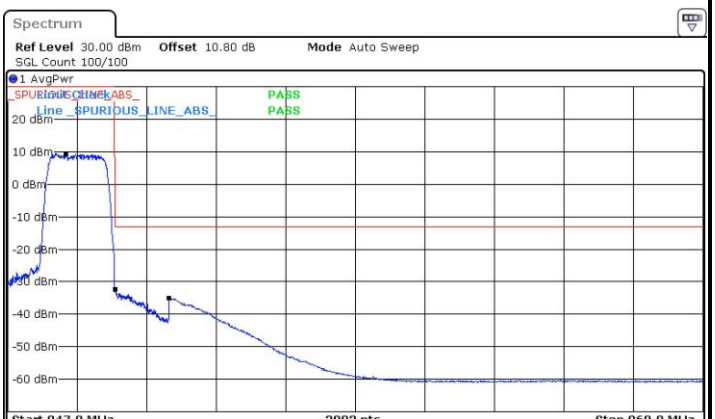


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-36.60 dBm	-23.60 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.97652 MHz	-34.24 dBm	-21.24 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.86613 MHz	9.46 dBm	-20.54 dB

Date: 18.OCT.2018 20:18:51

Highest Band Edge / Full RB



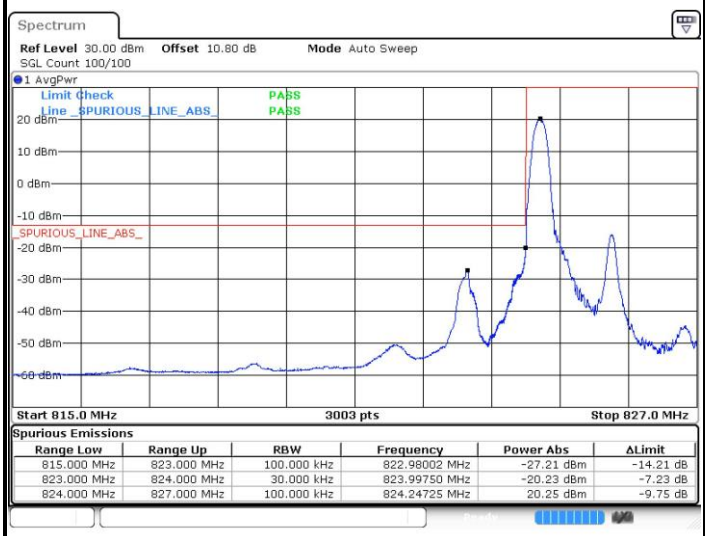
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.09391 MHz	9.49 dBm	-20.51 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00749 MHz	-32.33 dBm	-19.33 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-35.12 dBm	-22.12 dB

Date: 18.OCT.2018 20:22:38

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

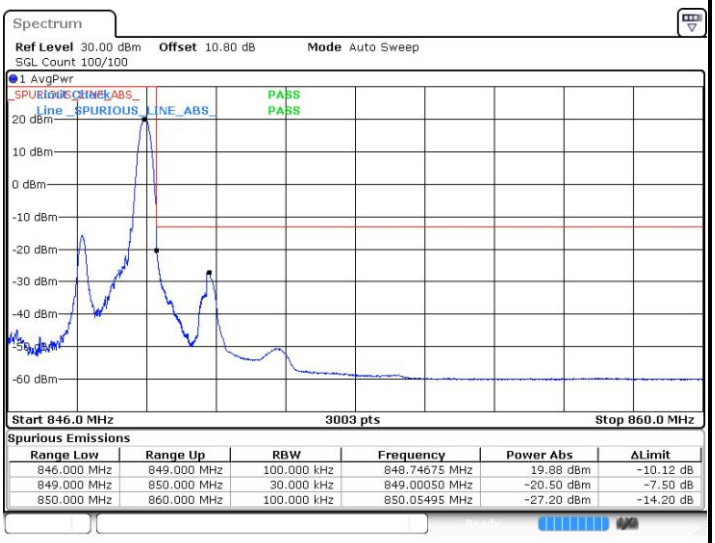


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-27.21 dBm	-14.21 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99750 MHz	-20.23 dBm	-7.23 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.24725 MHz	20.25 dBm	-9.75 dB

Date: 14.OCT.2018 20:53:30

Highest Band Edge / 1 RB

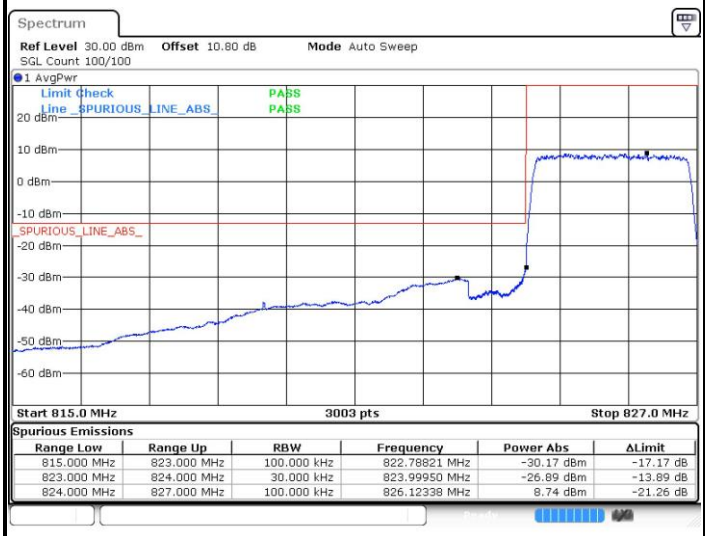


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.74675 MHz	19.88 dBm	-10.12 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-20.50 dBm	-7.50 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-27.20 dBm	-14.20 dB

Date: 14.OCT.2018 21:16:53

Lowest Band Edge / Full RB

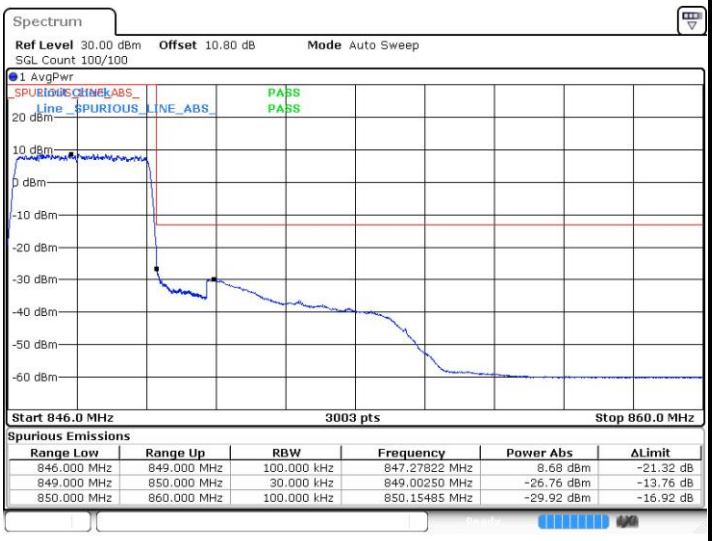


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.78821 MHz	-30.17 dBm	-17.17 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-26.89 dBm	-13.89 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.12338 MHz	8.74 dBm	-21.26 dB

Date: 14.OCT.2018 20:56:50

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	847.27822 MHz	8.68 dBm	-21.32 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00250 MHz	-26.76 dBm	-13.76 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.15485 MHz	-29.92 dBm	-16.92 dB

Date: 14.OCT.2018 21:20:13