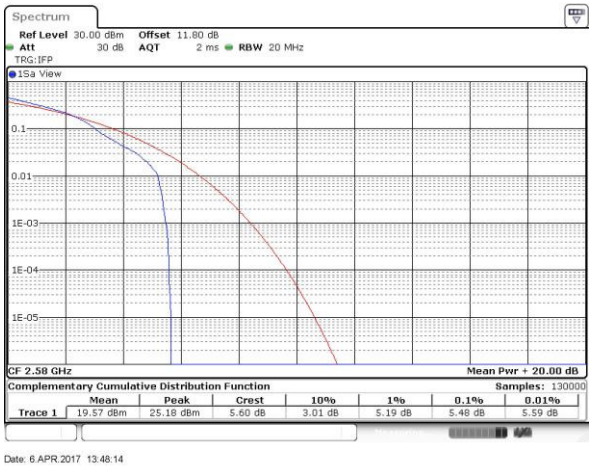
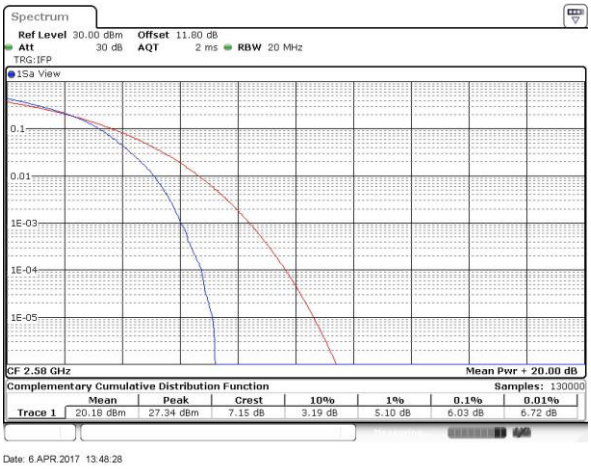
LTE Band 38 / 20MHz / 16QAM

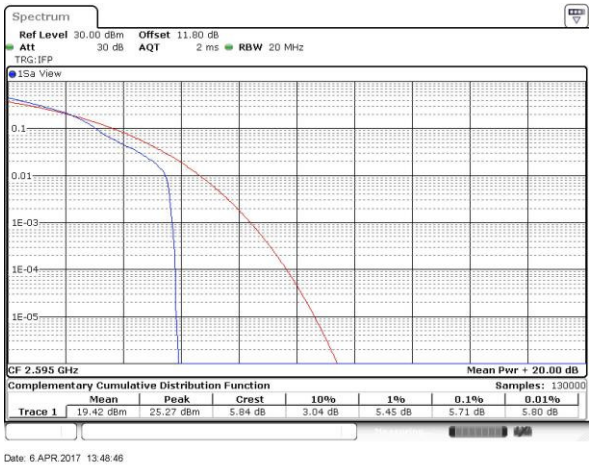
Lowest Channel / 1RB



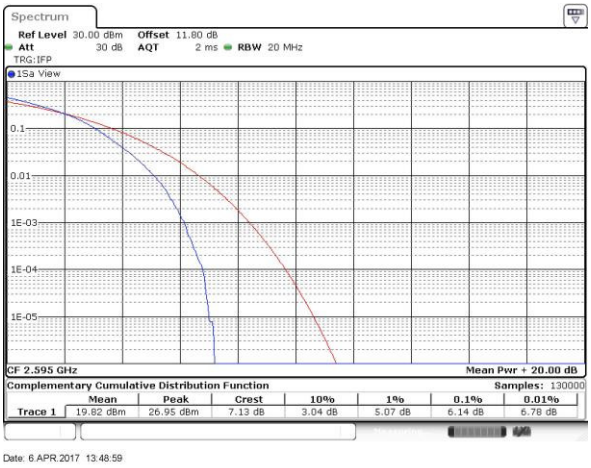
Lowest Channel / Full RB



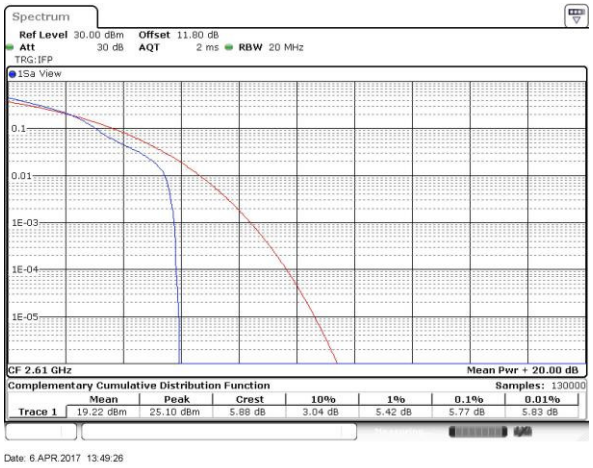
Middle Channel / 1RB



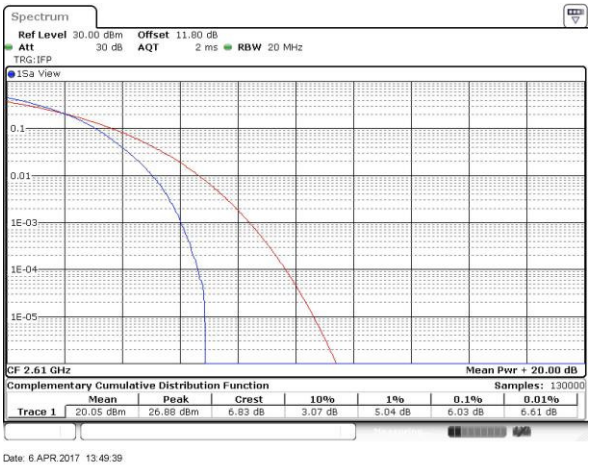
Middle Channel / Full RB



Highest Channel / 1RB

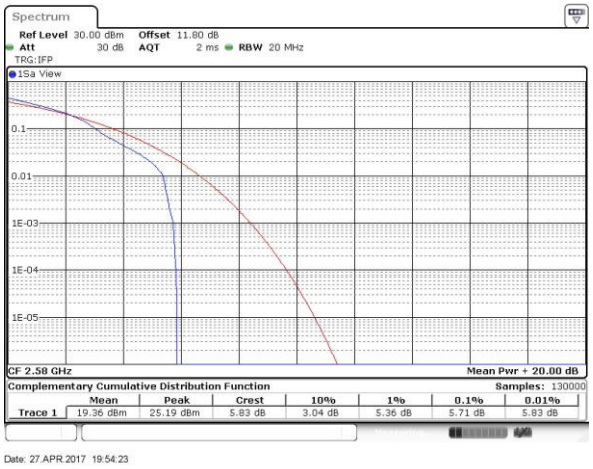


Highest Channel / Full RB

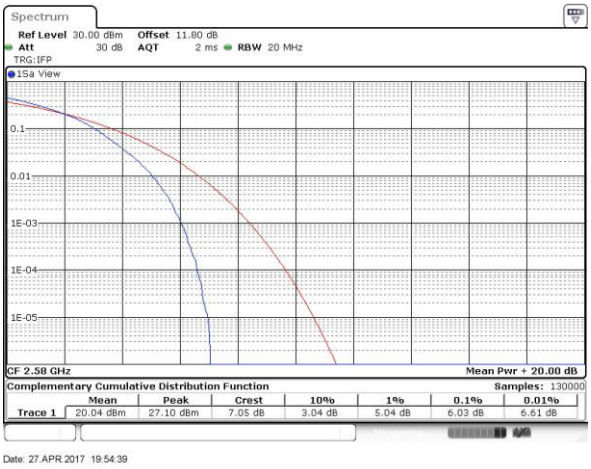


LTE Band 38 / 20MHz / 64QAM

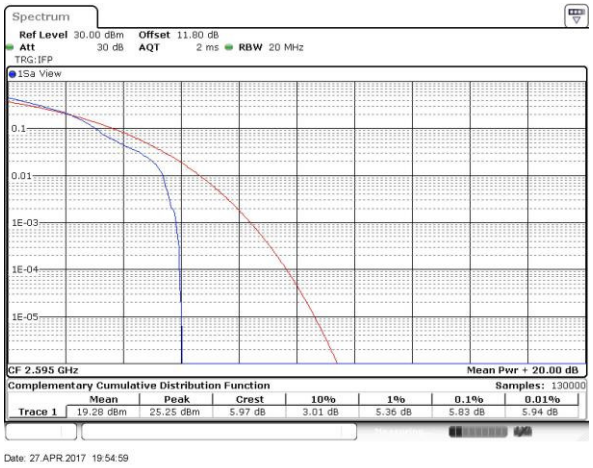
Lowest Channel / 1RB



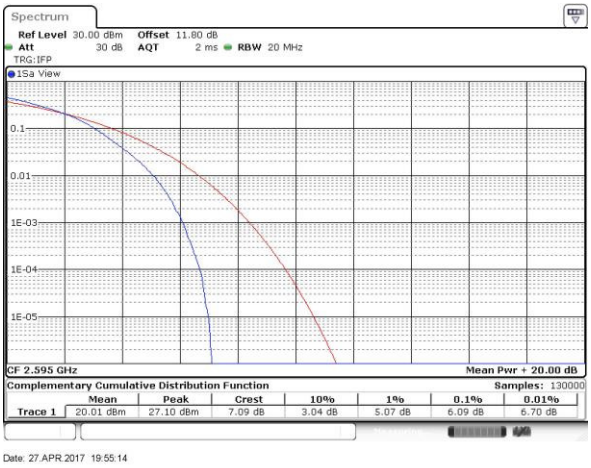
Lowest Channel / Full RB



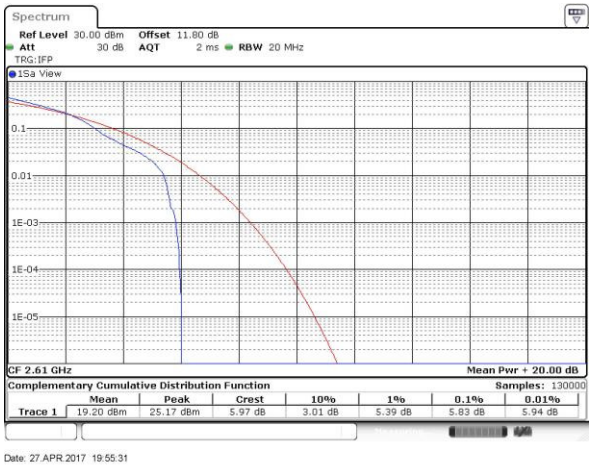
Middle Channel / 1RB



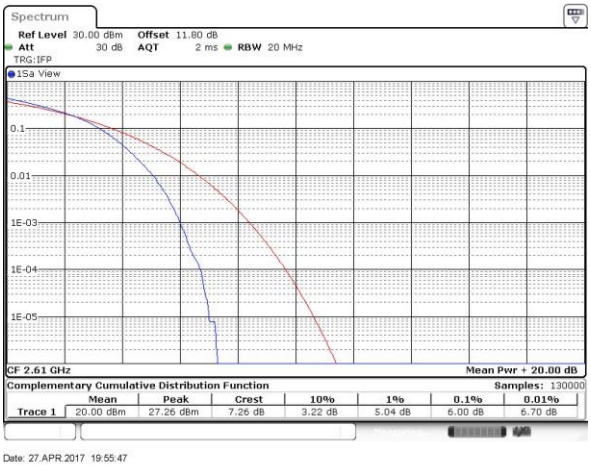
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

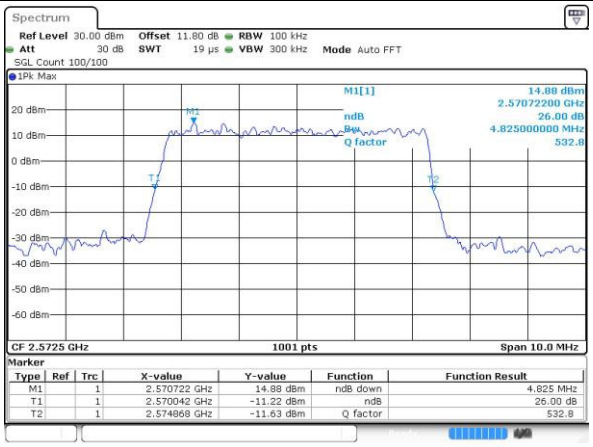


26dB Bandwidth

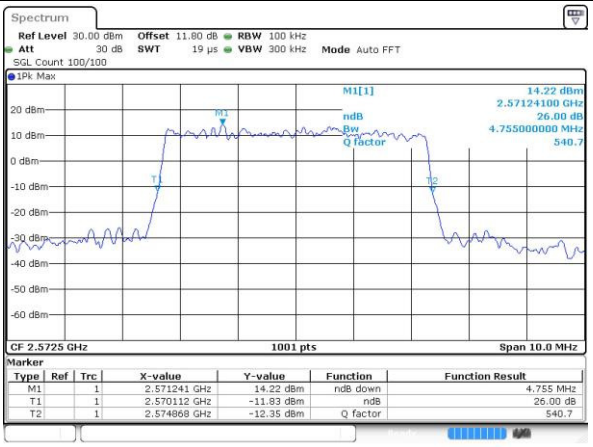
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.83	4.76	9.77	9.77	14.18	14.39	20.26	20.18
Middle CH	-	-	-	-	4.81	4.83	9.83	9.65	14.33	14.30	20.06	20.10
Highest CH	-	-	-	-	4.82	4.89	9.65	9.65	14.24	14.42	20.14	20.02
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.81	-	9.63	-	14.18	-	20.02
Middle CH	-	-	-	-	-	4.77	-	9.85	-	14.33	-	20.14
Highest CH	-	-	-	-	-	4.84	-	9.67	-	14.15	-	20.18

LTE Band 38

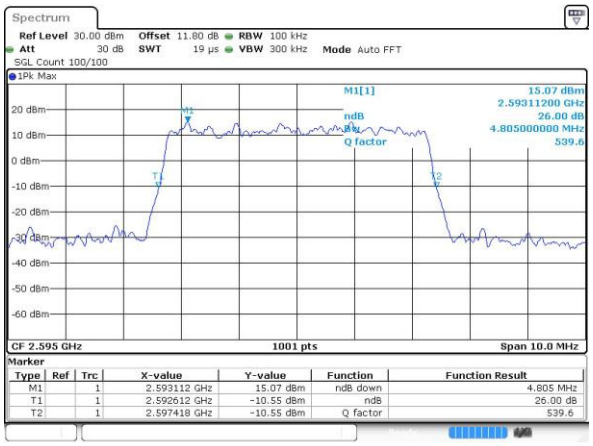
Lowest Channel / 5MHz / QPSK



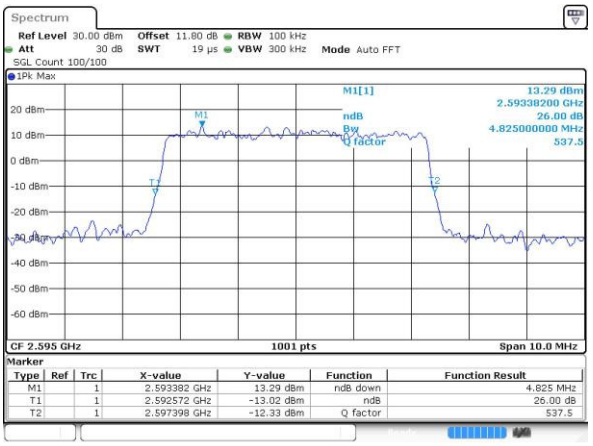
Lowest Channel / 5MHz / 16QAM



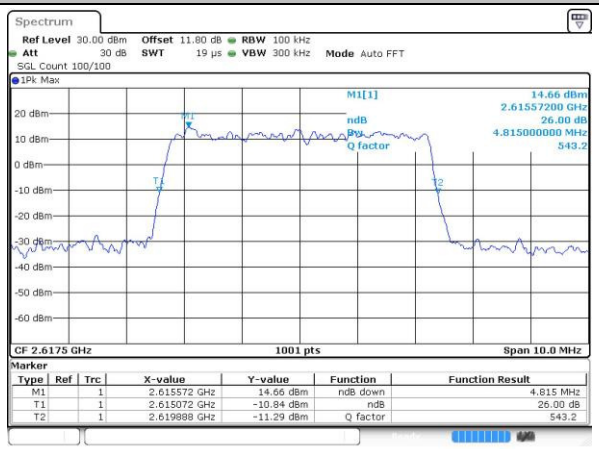
Middle Channel / 5MHz / QPSK



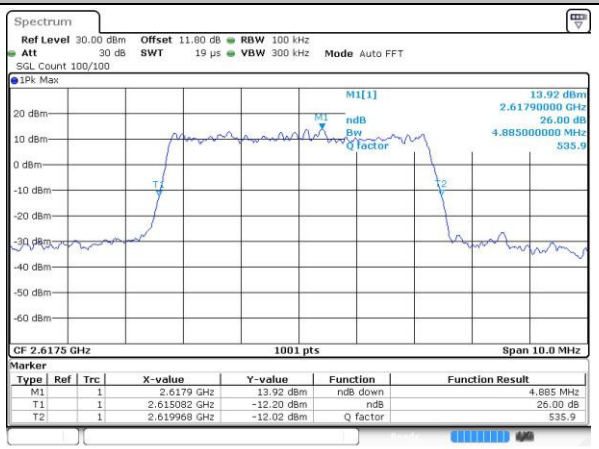
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

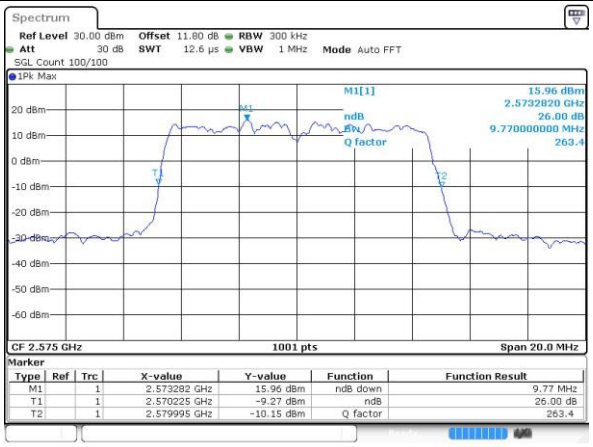


Highest Channel / 5MHz / 16QAM

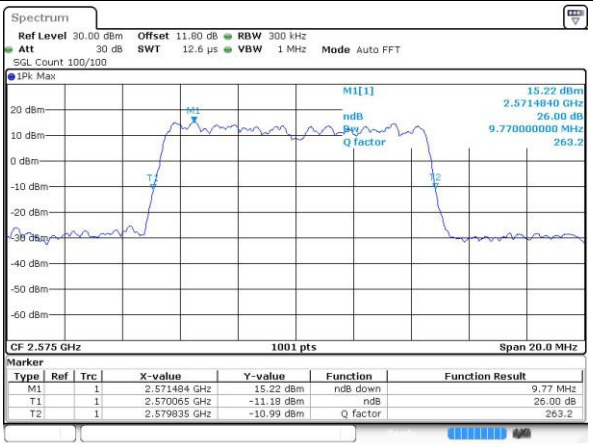


LTE Band 38

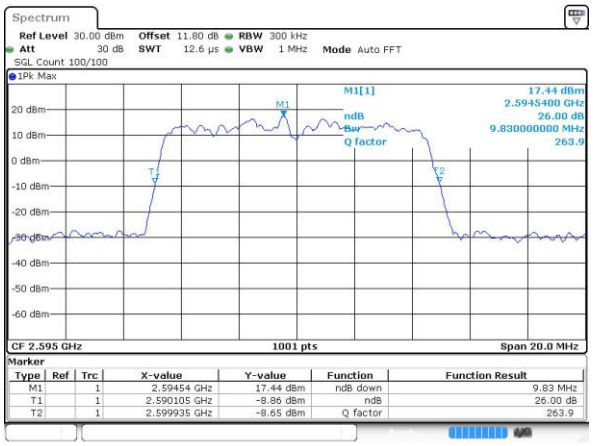
Lowest Channel / 10MHz / QPSK



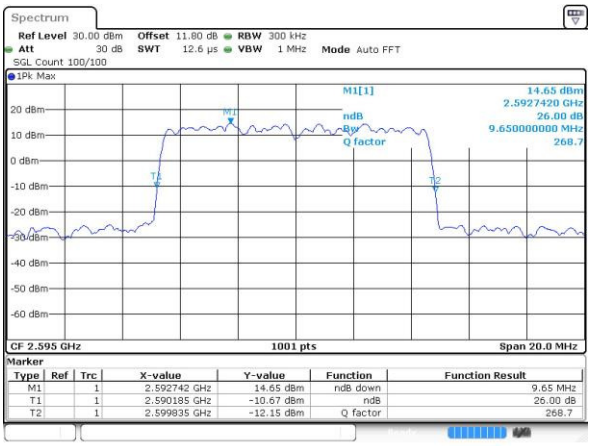
Lowest Channel / 10MHz / 16QAM



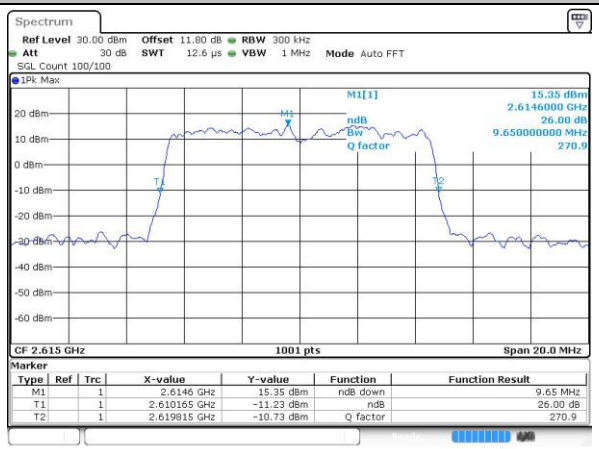
Middle Channel / 10MHz / QPSK



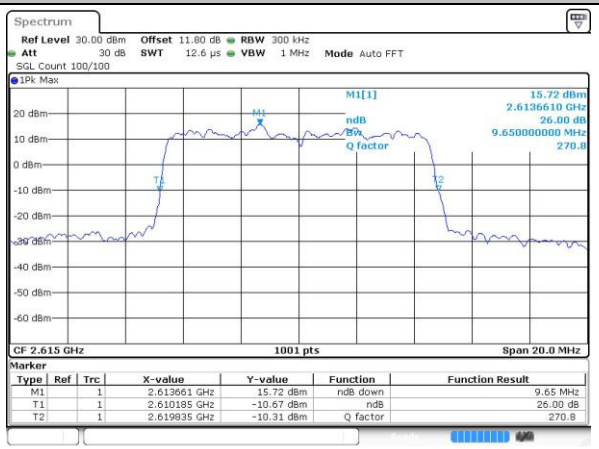
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

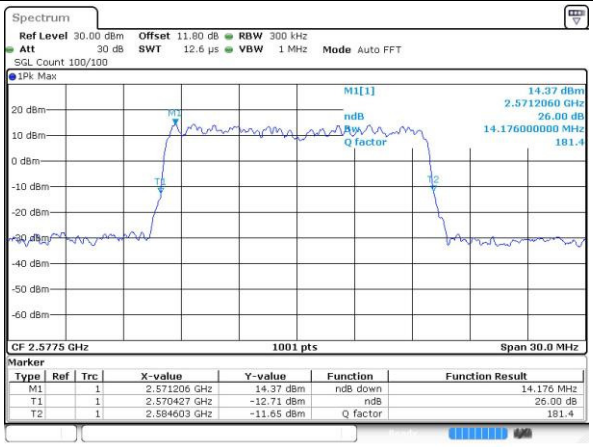


Highest Channel / 10MHz / 16QAM

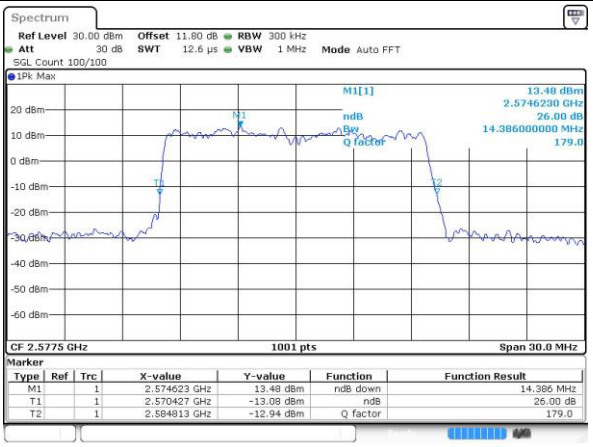


LTE Band 38

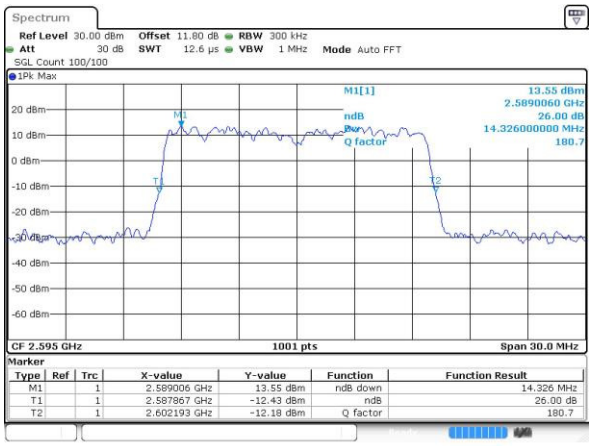
Lowest Channel / 15MHz / QPSK



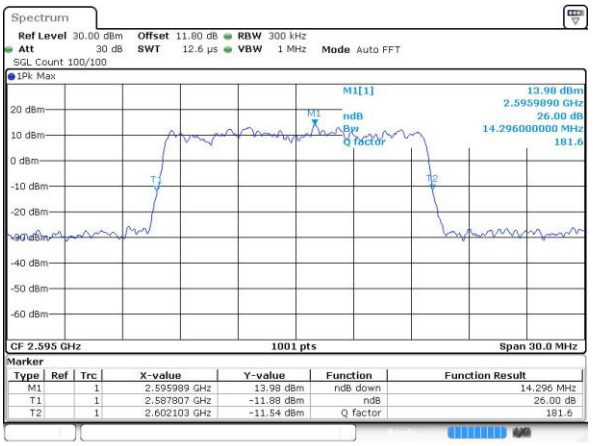
Lowest Channel / 15MHz / 16QAM



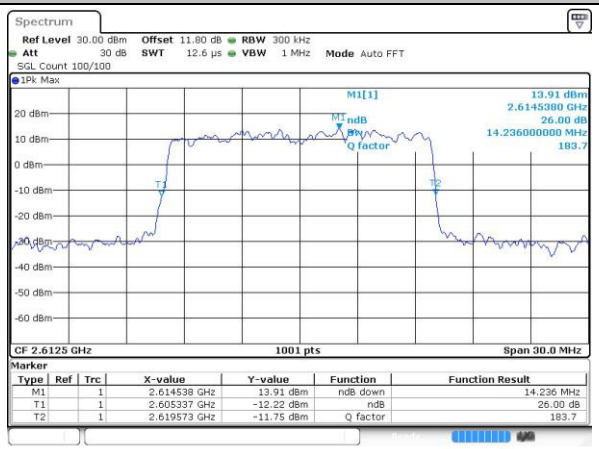
Middle Channel / 15MHz / QPSK



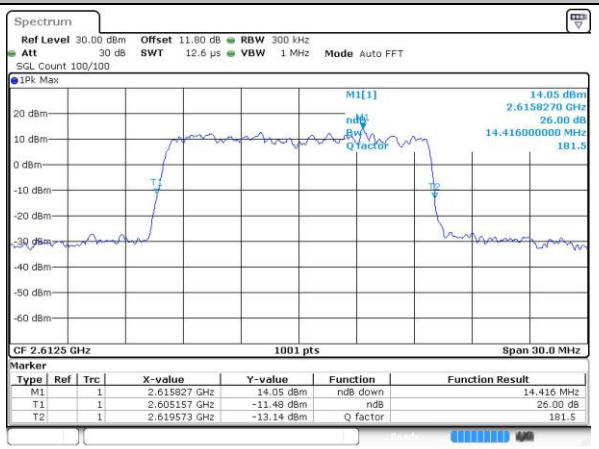
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

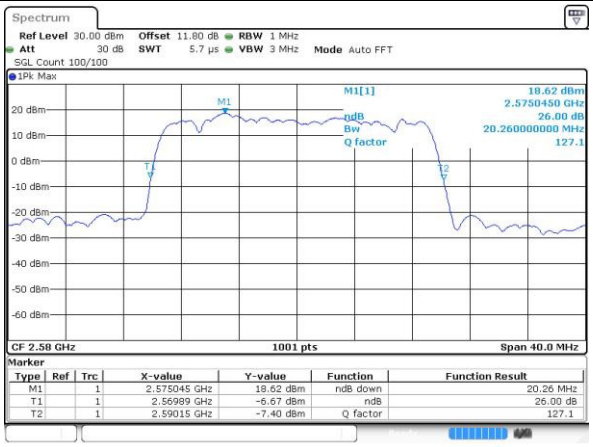


Highest Channel / 15MHz / 16QAM

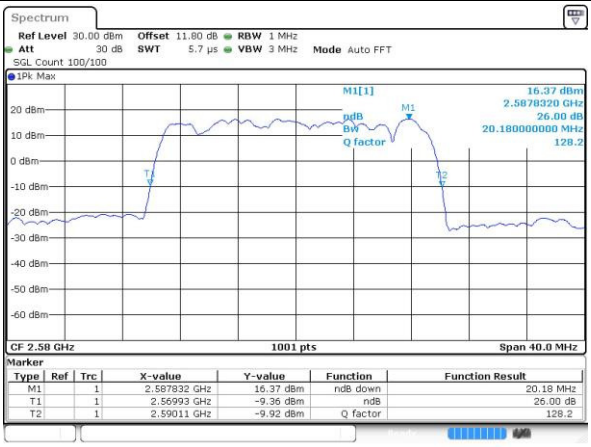


LTE Band 38

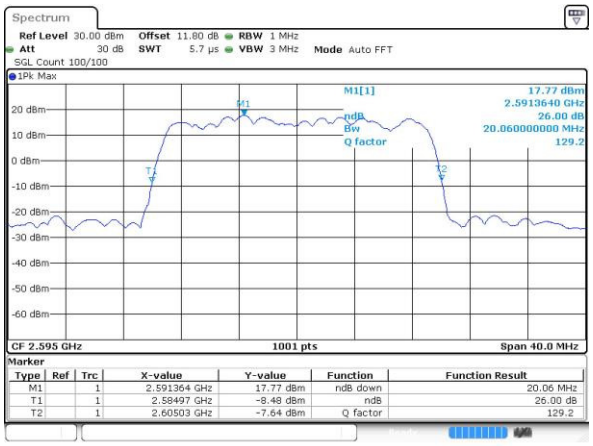
Lowest Channel / 20MHz / QPSK



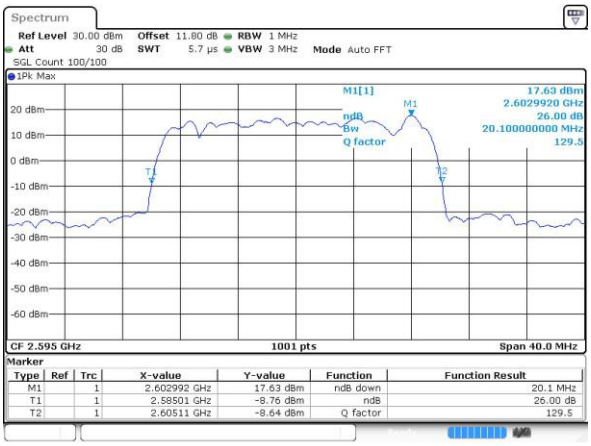
Lowest Channel / 20MHz / 16QAM



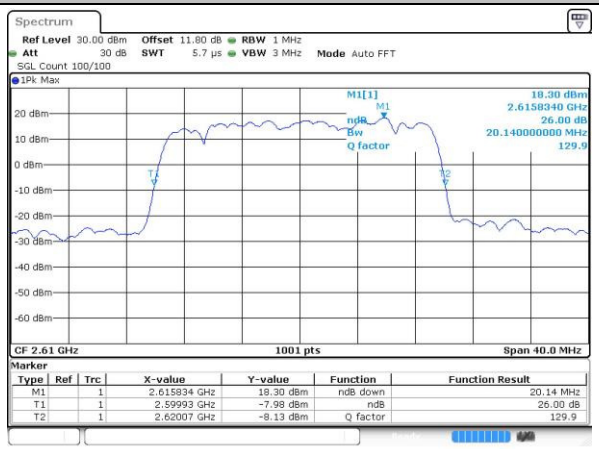
Middle Channel / 20MHz / QPSK



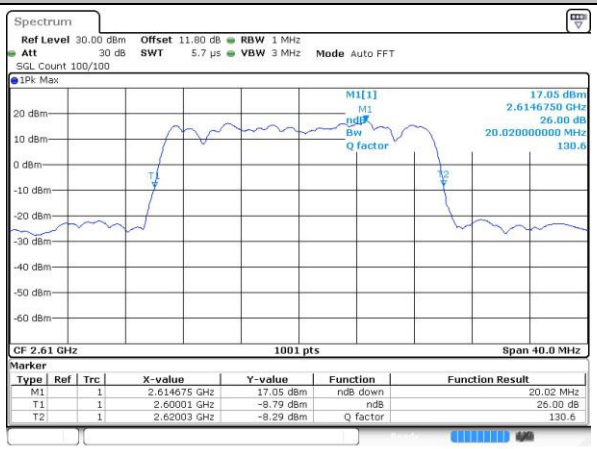
Middle Channel / 20MHz / 16QAM

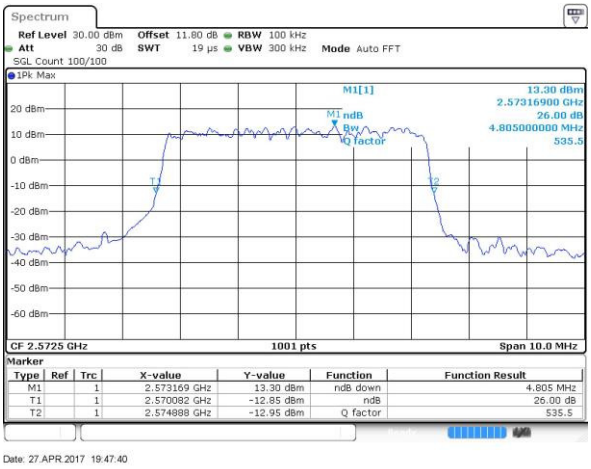
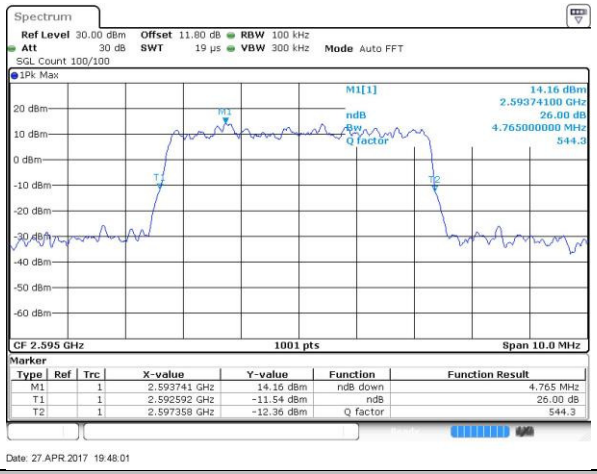
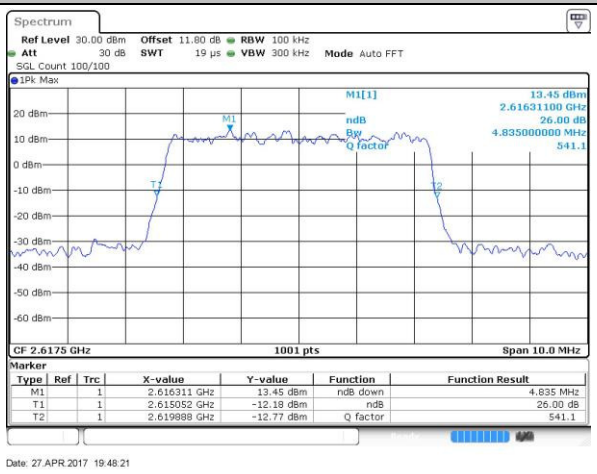


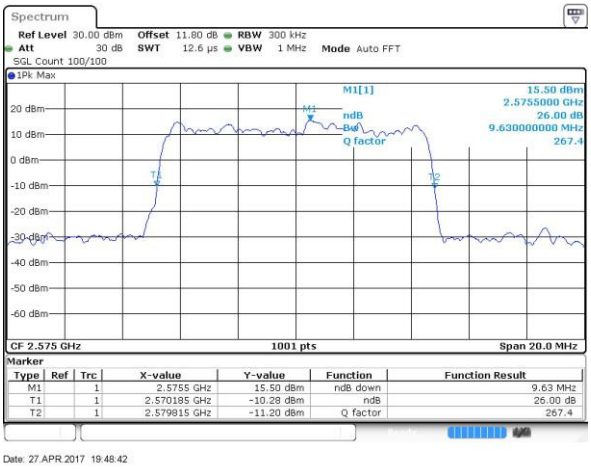
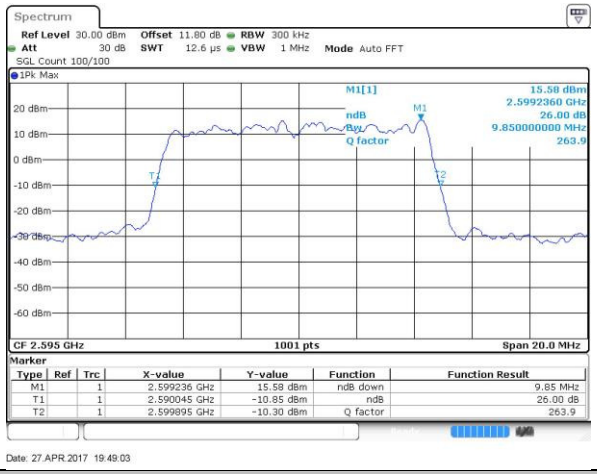
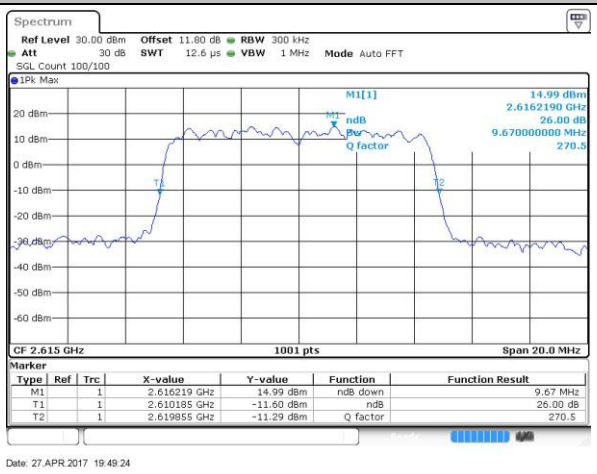
Highest Channel / 20MHz / QPSK

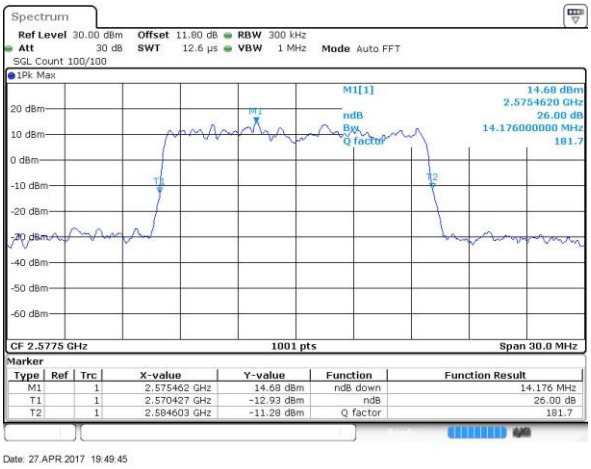
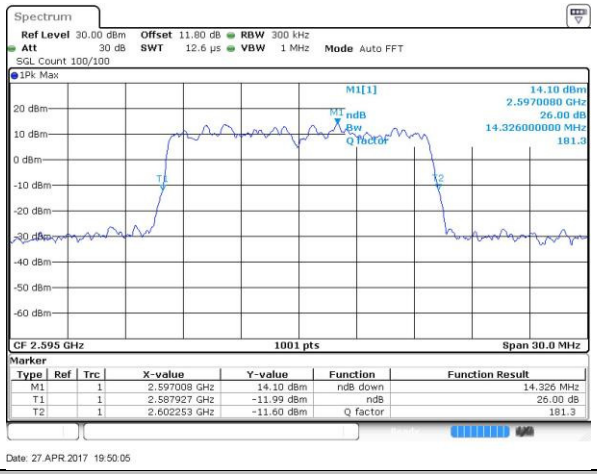
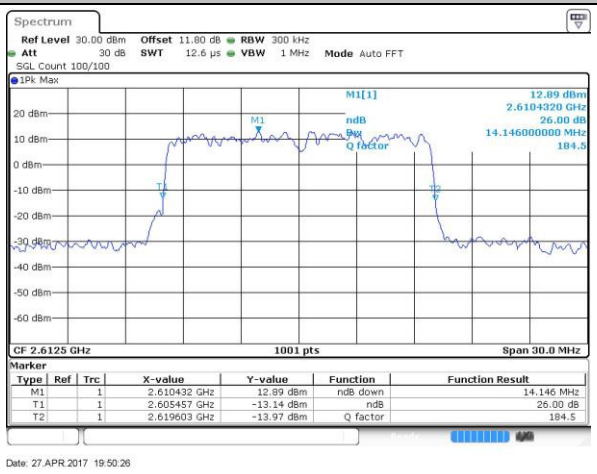


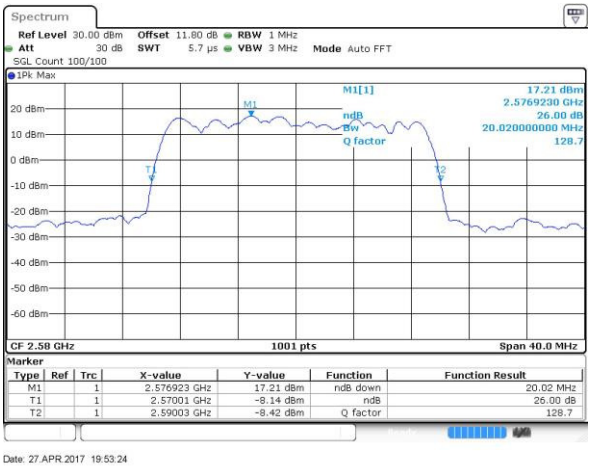
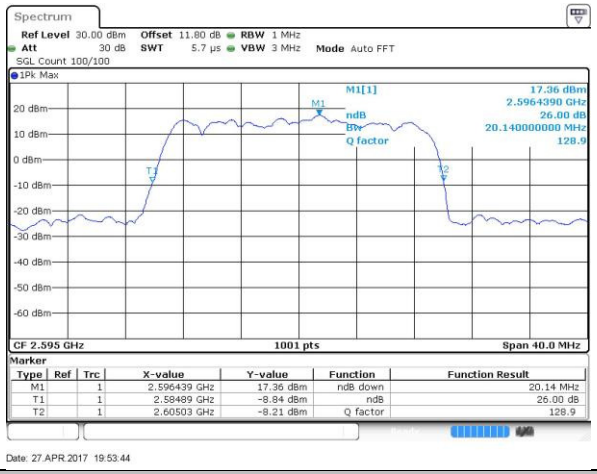
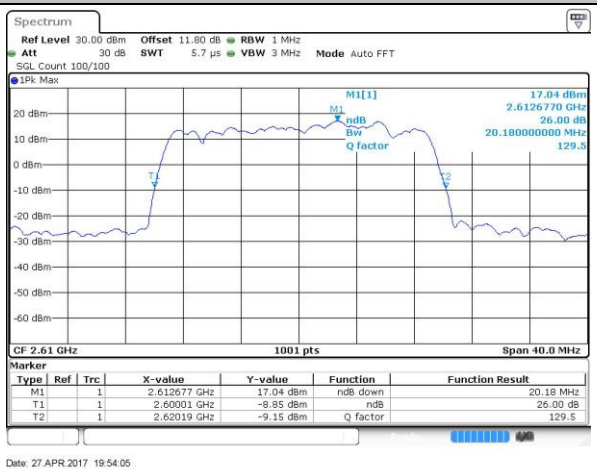
Highest Channel / 20MHz / 16QAM



LTE Band 38	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 38	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

LTE Band 38	
	Lowest Channel / 15MHz / 64QAM
	
	Middle Channel / 15MHz / 64QAM
	
	Highest Channel / 15MHz / 64QAM
	

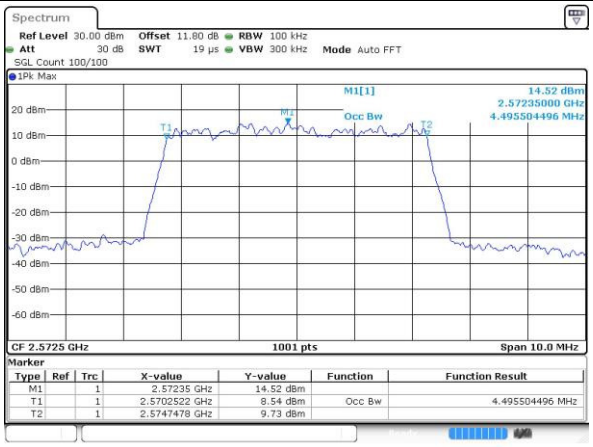
LTE Band 38	
	Lowest Channel / 20MHz / 64QAM
	
	Middle Channel / 20MHz / 64QAM
	
	Highest Channel / 20MHz / 64QAM
	

Occupied Bandwidth

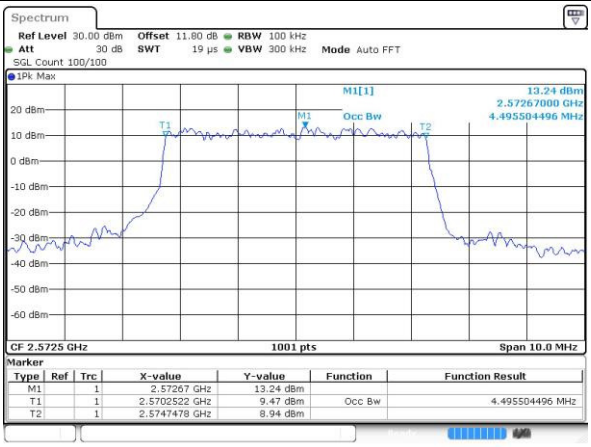
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.5	4.5	9.01	9.03	13.49	13.43	18.46	18.34
Middle CH	-	-	-	-	4.49	4.49	9.05	8.99	13.4	13.46	18.26	18.46
Highest CH	-	-	-	-	4.48	4.47	9.03	9.01	13.4	13.37	18.3	18.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.45	-	9.01	-	13.46	-	18.26
Middle CH	-	-	-	-	-	4.48	-	9.05	-	13.4	-	18.26
Highest CH	-	-	-	-	-	4.49	-	9.01	-	13.46	-	18.34

LTE Band 38

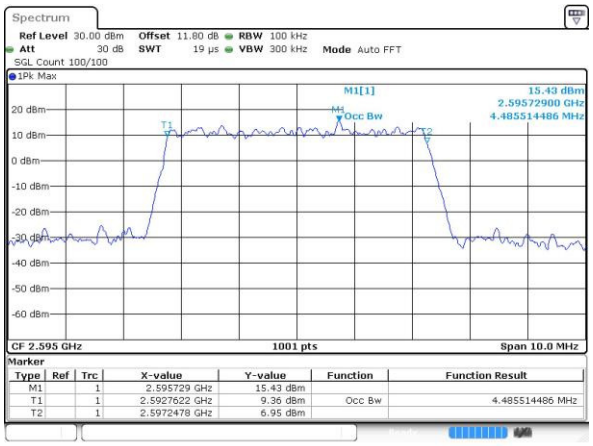
Lowest Channel / 5MHz / QPSK



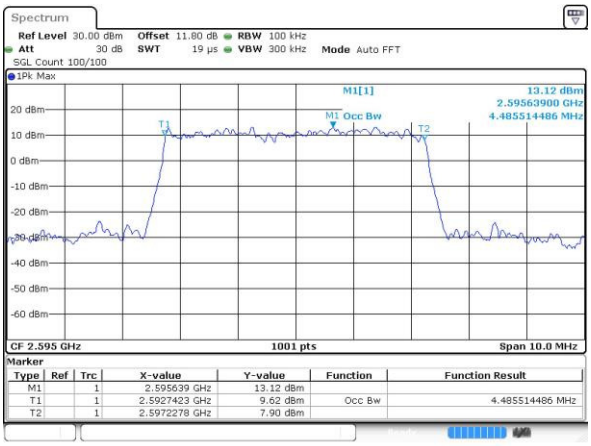
Lowest Channel / 5MHz / 16QAM



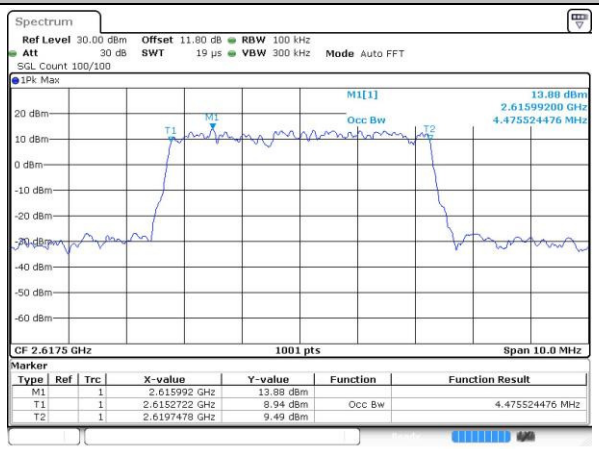
Middle Channel / 5MHz / QPSK



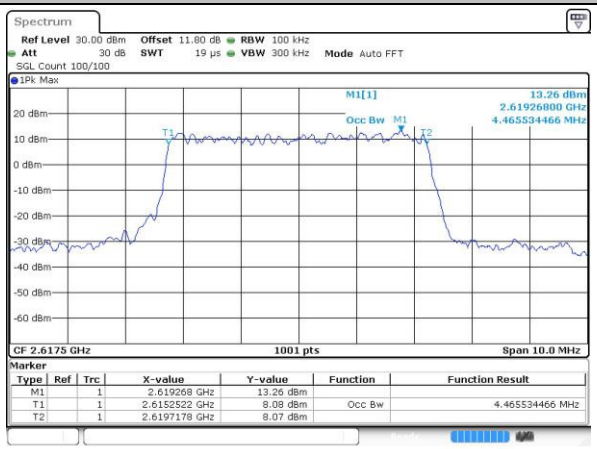
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

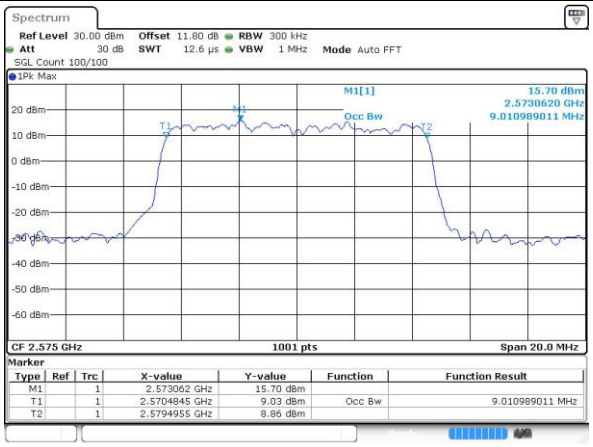


Highest Channel / 5MHz / 16QAM

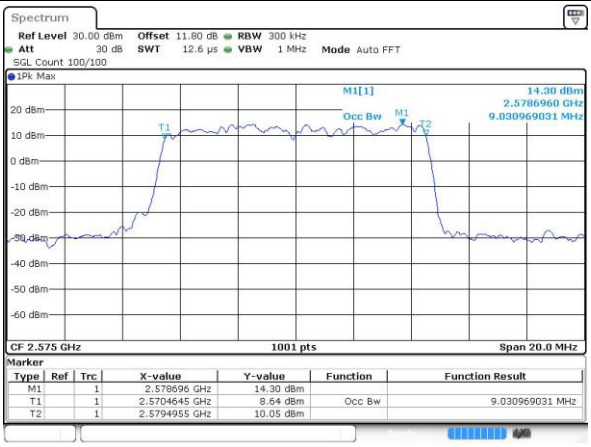


LTE Band 38

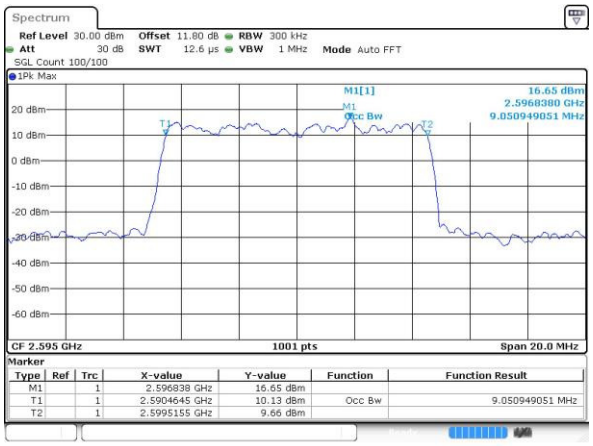
Lowest Channel / 10MHz / QPSK



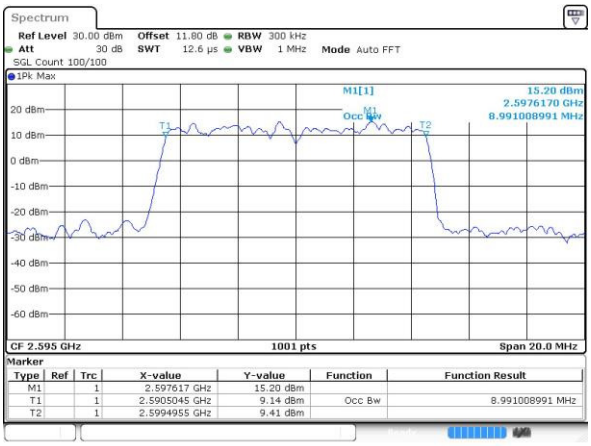
Lowest Channel / 10MHz / 16QAM



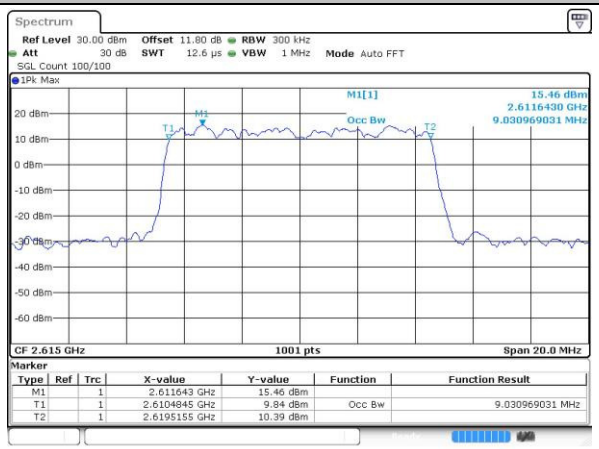
Middle Channel / 10MHz / QPSK



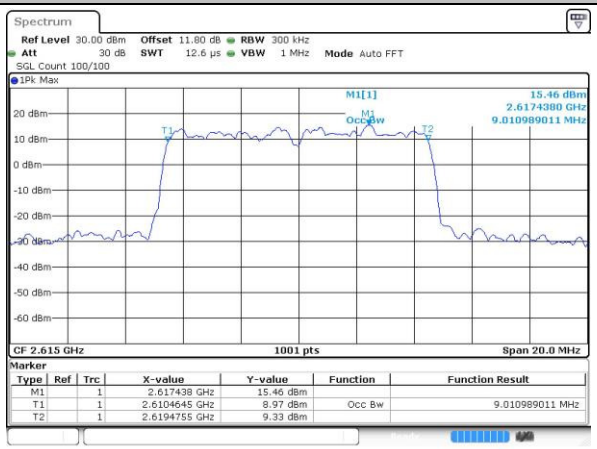
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

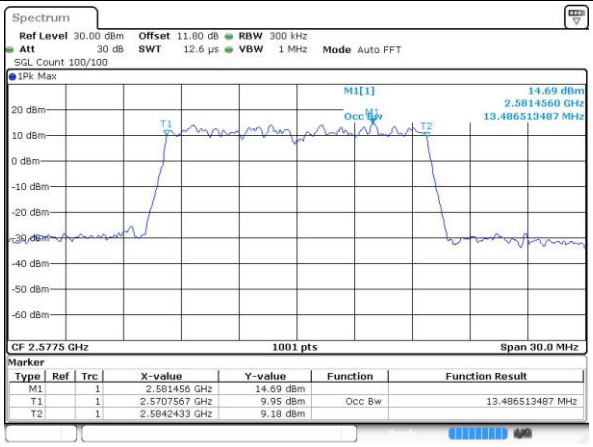


Highest Channel / 10MHz / 16QAM



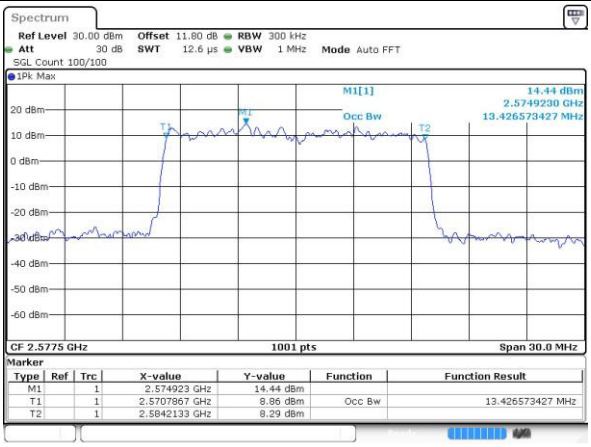
LTE Band 38

Lowest Channel / 15MHz / QPSK



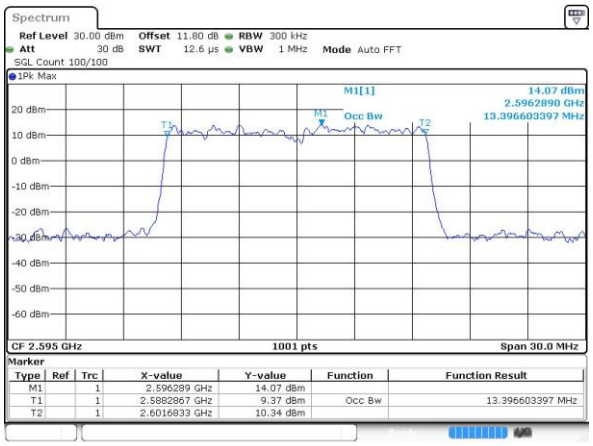
Date: 6.APR.2017 13:43:42

Lowest Channel / 15MHz / 16QAM



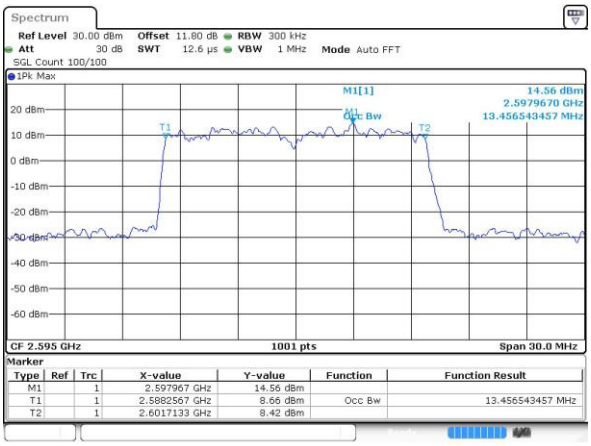
Date: 6.APR.2017 13:43:53

Middle Channel / 15MHz / QPSK



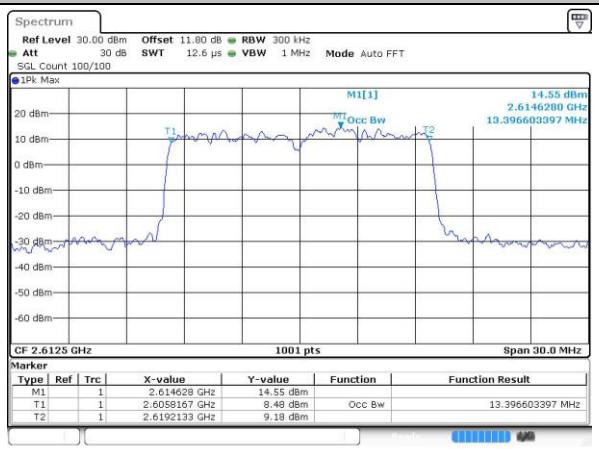
Date: 6.APR.2017 13:44:24

Middle Channel / 15MHz / 16QAM



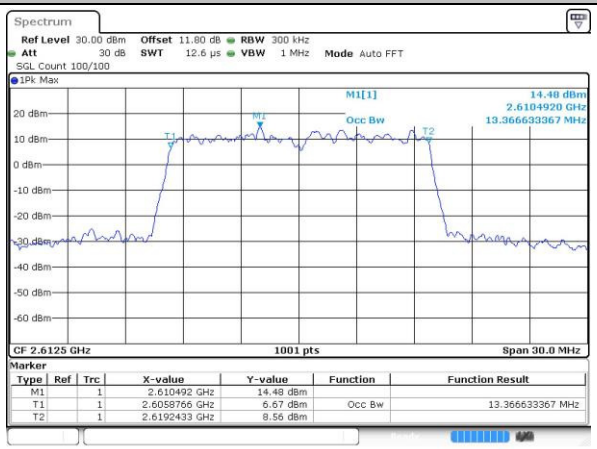
Date: 6.APR.2017 13:44:34

Highest Channel / 15MHz / QPSK



Date: 6.APR.2017 13:45:05

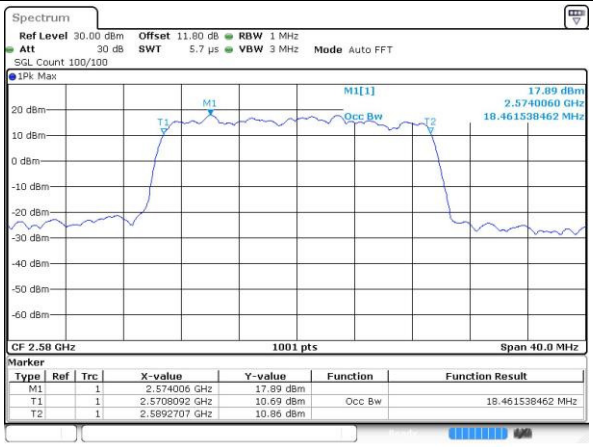
Highest Channel / 15MHz / 16QAM



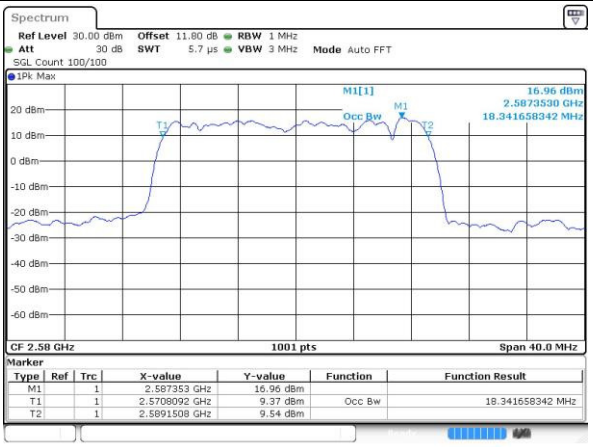
Date: 6.APR.2017 13:45:16

LTE Band 38

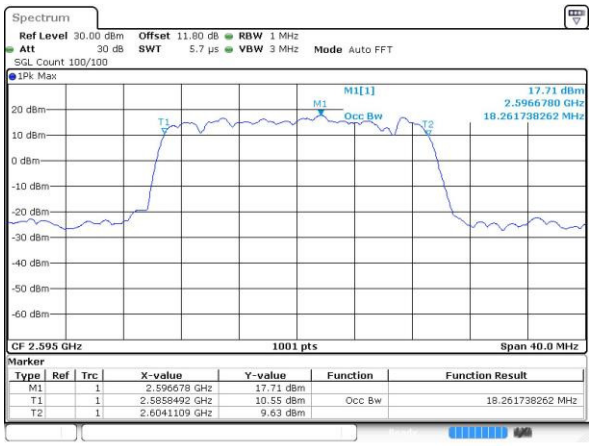
Lowest Channel / 20MHz / QPSK



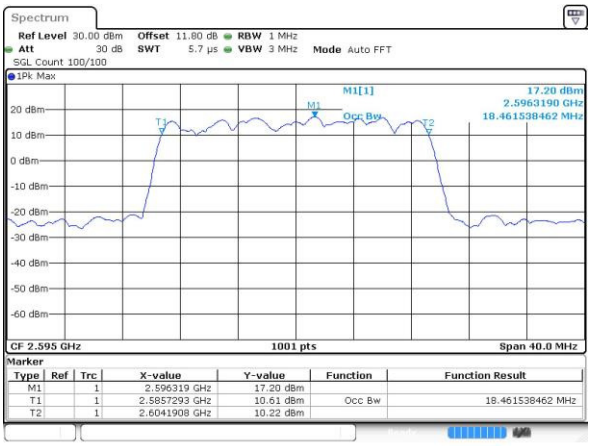
Lowest Channel / 20MHz / 16QAM



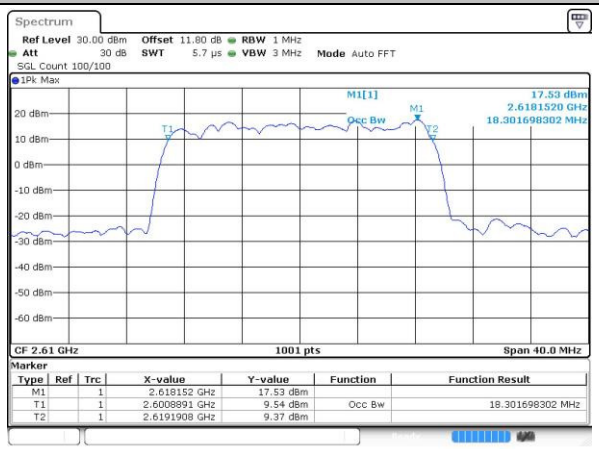
Middle Channel / 20MHz / QPSK



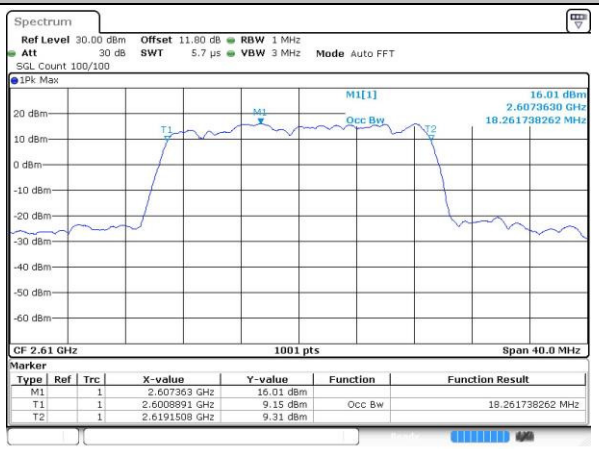
Middle Channel / 20MHz / 16QAM

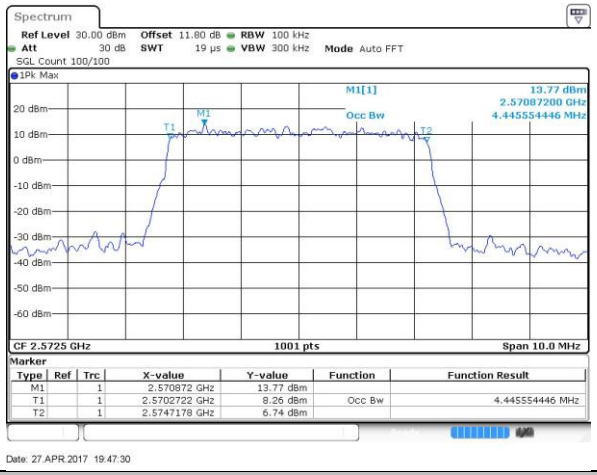
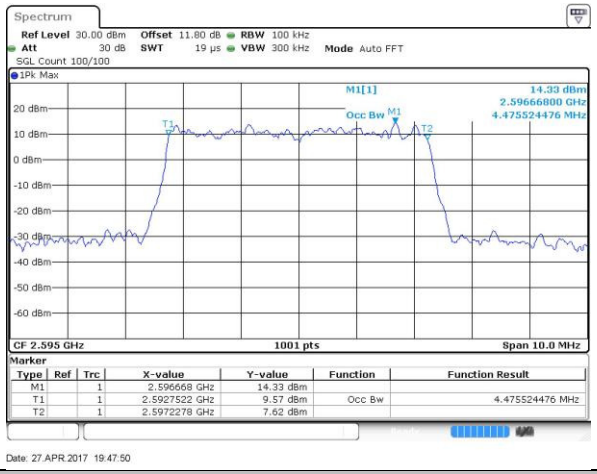
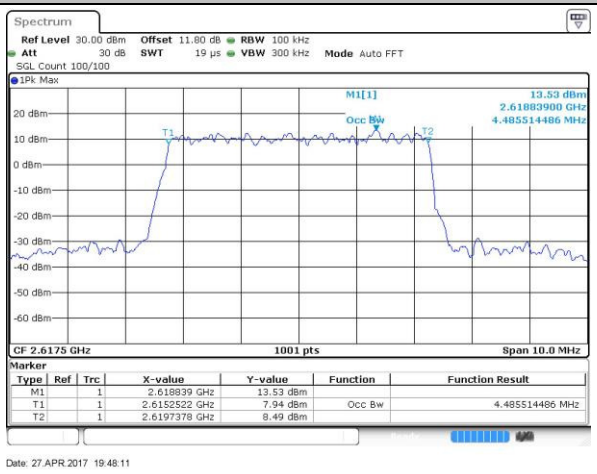


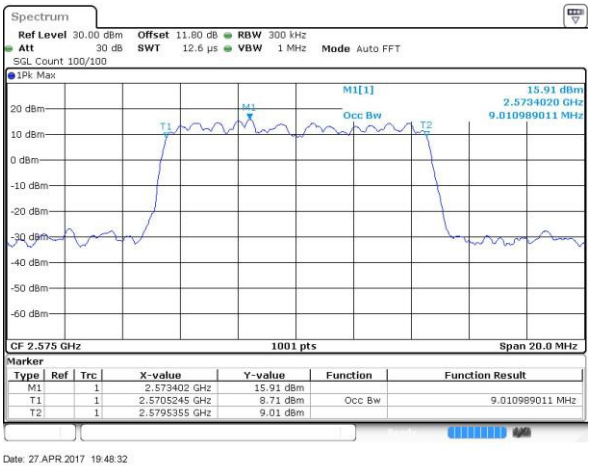
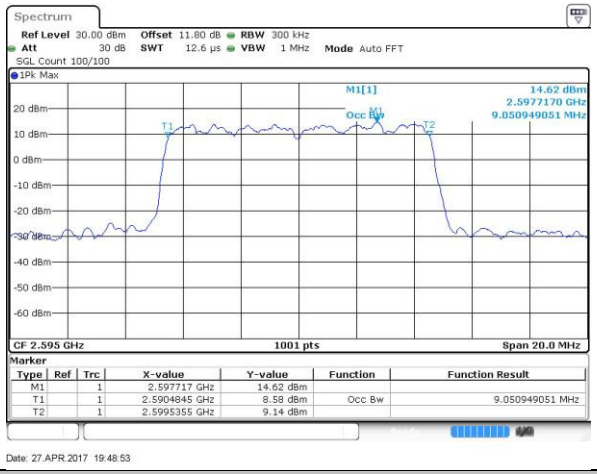
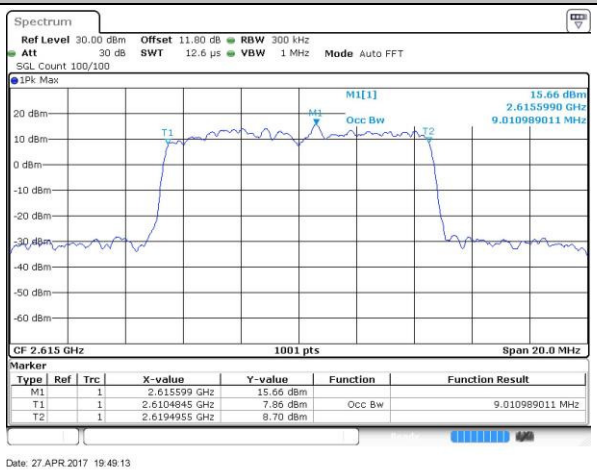
Highest Channel / 20MHz / QPSK

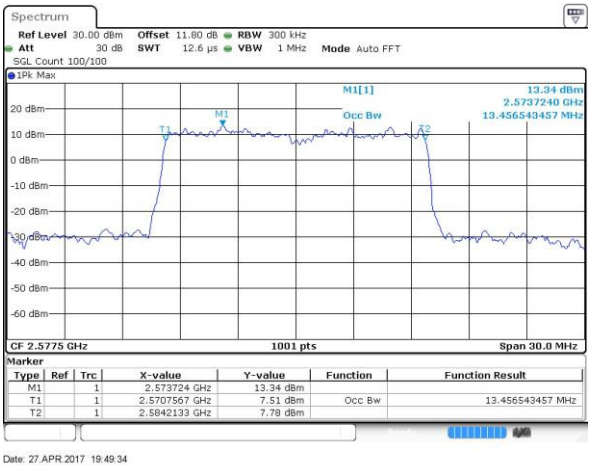
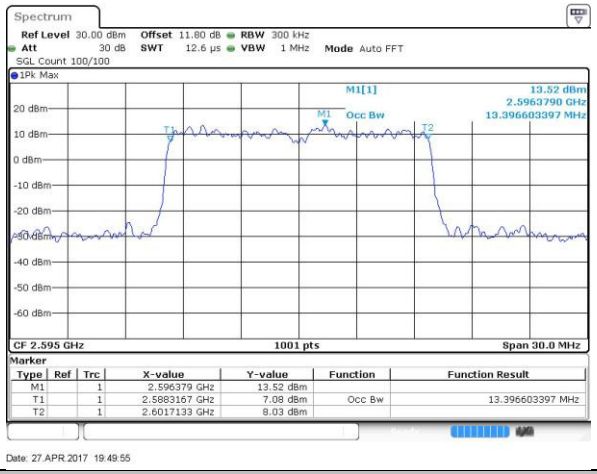
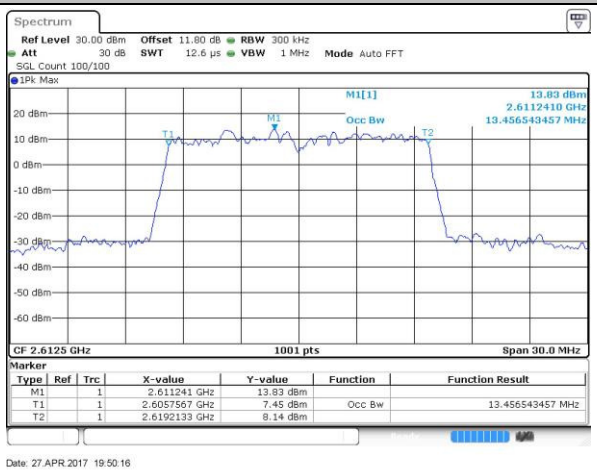


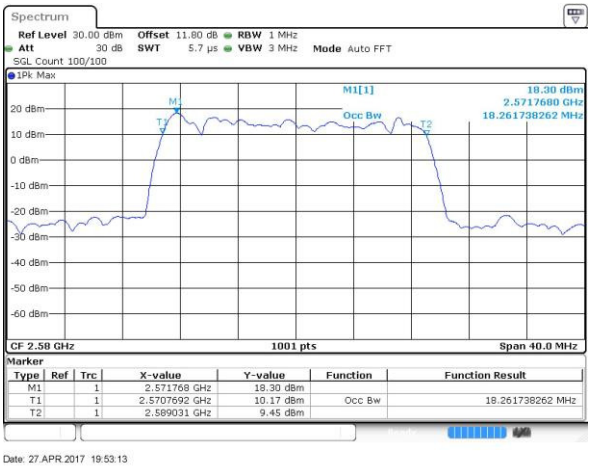
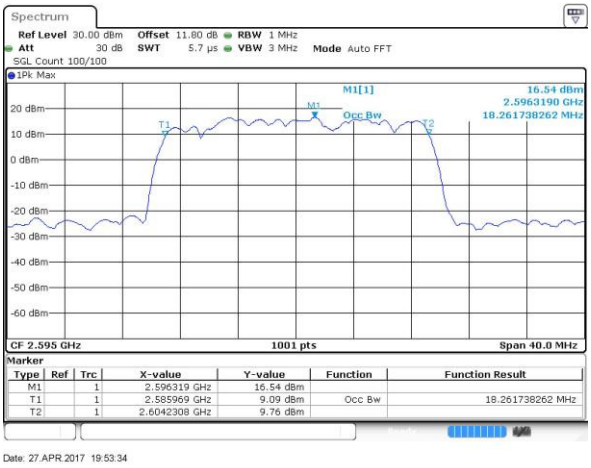
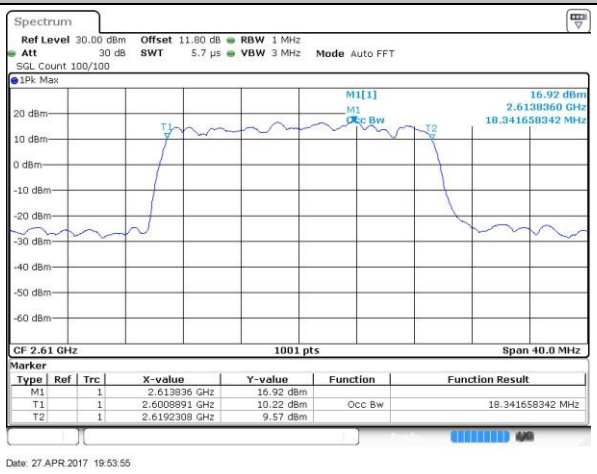
Highest Channel / 20MHz / 16QAM



LTE Band 38	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 38	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

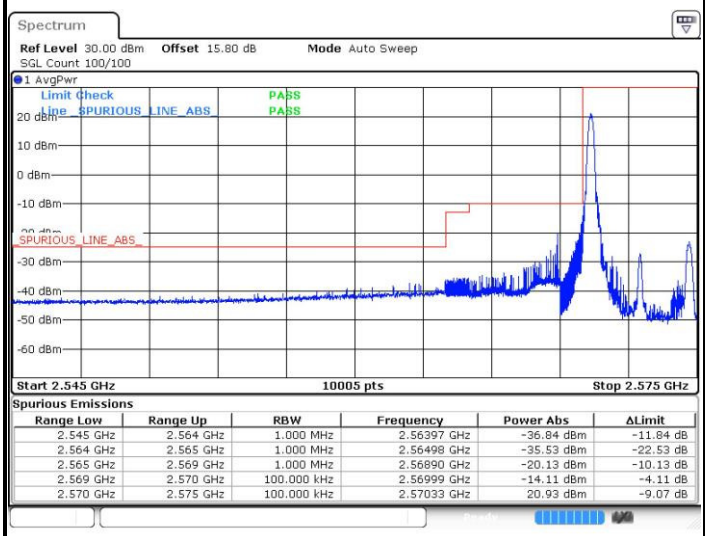
LTE Band 38	
	Lowest Channel / 15MHz / 64QAM
	
	Middle Channel / 15MHz / 64QAM
	
	Highest Channel / 15MHz / 64QAM
	

LTE Band 38	
	Lowest Channel / 20MHz / 64QAM
	
	Middle Channel / 20MHz / 64QAM
	
	Highest Channel / 20MHz / 64QAM
	

Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56397 GHz	-36.84 dBm	-11.84 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56498 GHz	-35.53 dBm	-22.53 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56890 GHz	-20.13 dBm	-10.13 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56999 GHz	-14.11 dBm	-4.11 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57033 GHz	20.93 dBm	-9.07 dB

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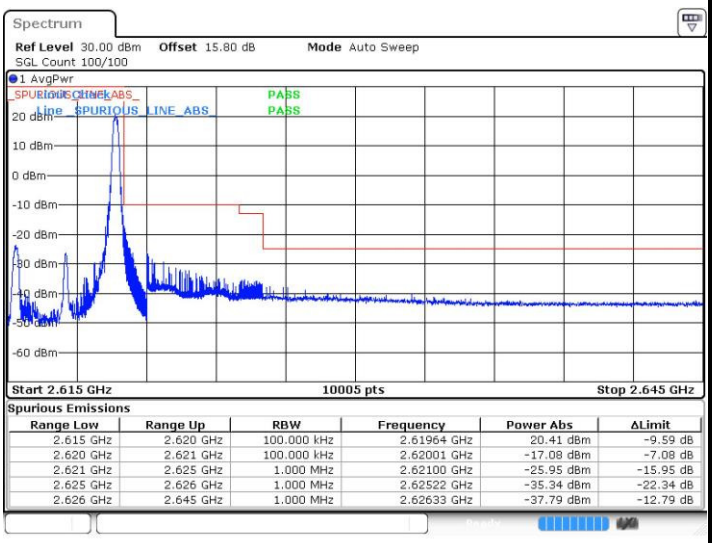
Highest Band Edge / 1 RB

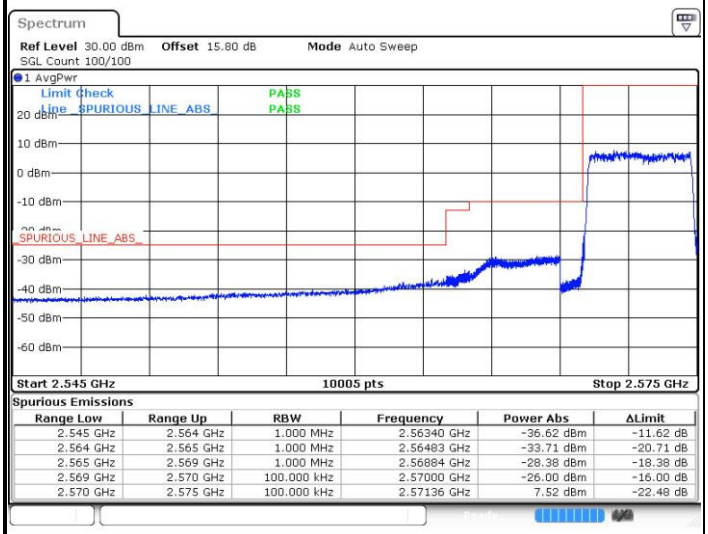


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61964 GHz	20.41 dBm	-9.59 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-17.08 dBm	-7.08 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62100 GHz	-25.95 dBm	-15.95 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62522 GHz	-35.34 dBm	-22.34 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62633 GHz	-37.79 dBm	-12.79 dB

Date: 6.APR.2017 14:03:45

Lowest Band Edge / Full RB

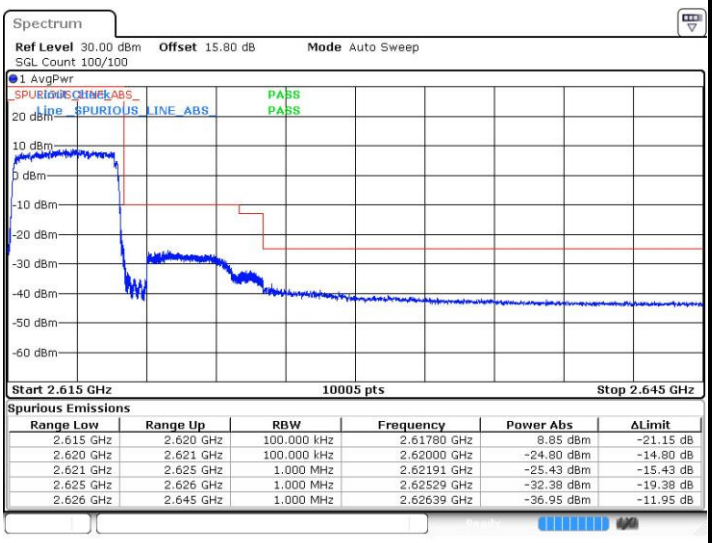


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56340 GHz	-36.62 dBm	-11.62 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56483 GHz	-33.71 dBm	-20.71 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56884 GHz	-28.38 dBm	-18.38 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-26.00 dBm	-16.00 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57136 GHz	7.52 dBm	-22.48 dB

Date: 6.APR.2017 13:59:06

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61780 GHz	8.85 dBm	-21.15 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-24.80 dBm	-14.80 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62191 GHz	-25.43 dBm	-15.43 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62529 GHz	-32.38 dBm	-19.38 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62639 GHz	-36.95 dBm	-11.95 dB

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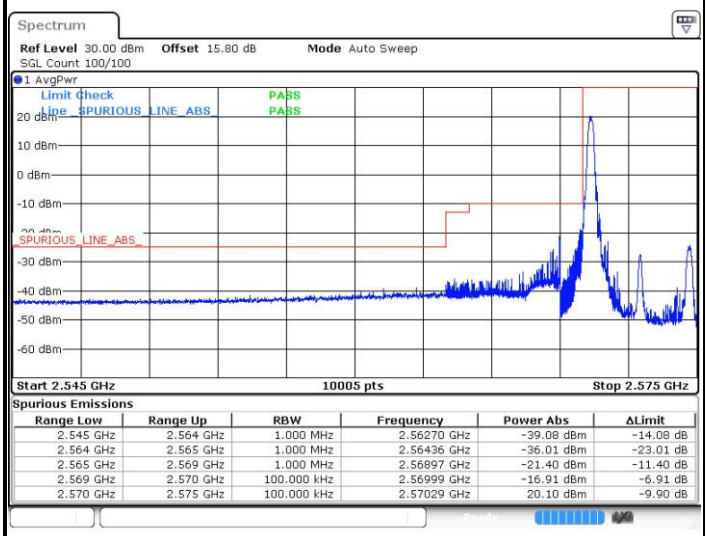
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB

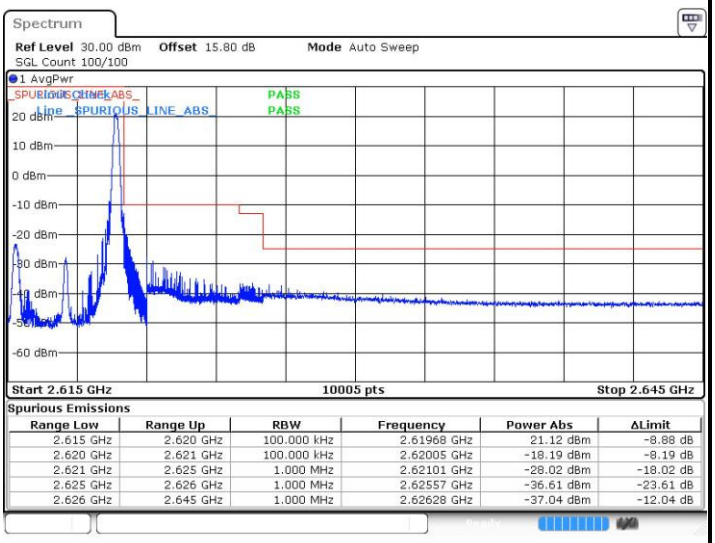


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56270 GHz	-39.08 dBm	-14.08 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56436 GHz	-36.01 dBm	-23.01 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-21.40 dBm	-11.40 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56999 GHz	-16.91 dBm	-6.91 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57029 GHz	20.10 dBm	-9.90 dB

Date: 6.APR.2017 13:57:56

Highest Band Edge / 1 RB

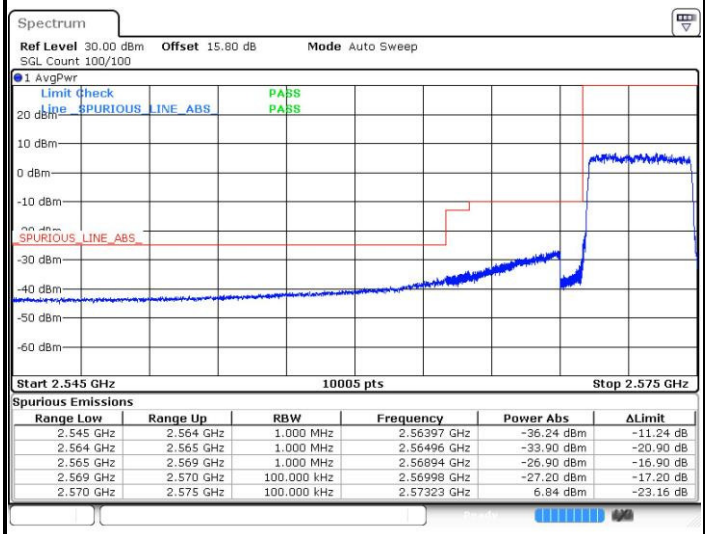


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61968 GHz	21.12 dBm	-8.88 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62005 GHz	-18.19 dBm	-8.19 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-28.02 dBm	-18.02 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62557 GHz	-36.61 dBm	-23.61 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62628 GHz	-37.04 dBm	-12.04 dB

Date: 6.APR.2017 14:04:55

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56397 GHz	-36.24 dBm	-11.24 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56496 GHz	-33.90 dBm	-20.90 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56894 GHz	-26.90 dBm	-16.90 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56998 GHz	-27.20 dBm	-17.20 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57323 GHz	6.84 dBm	-23.16 dB

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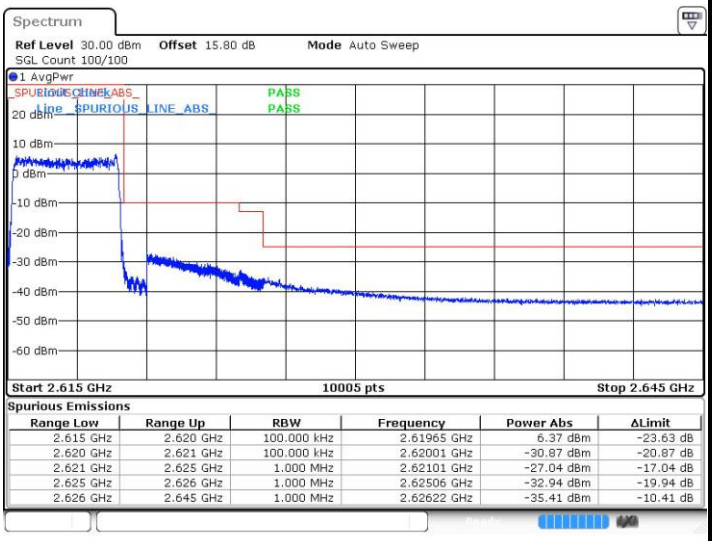
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61965 GHz	6.37 dBm	-23.63 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-30.87 dBm	-20.87 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-27.04 dBm	-17.04 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62506 GHz	-32.94 dBm	-19.94 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62622 GHz	-35.41 dBm	-10.41 dB

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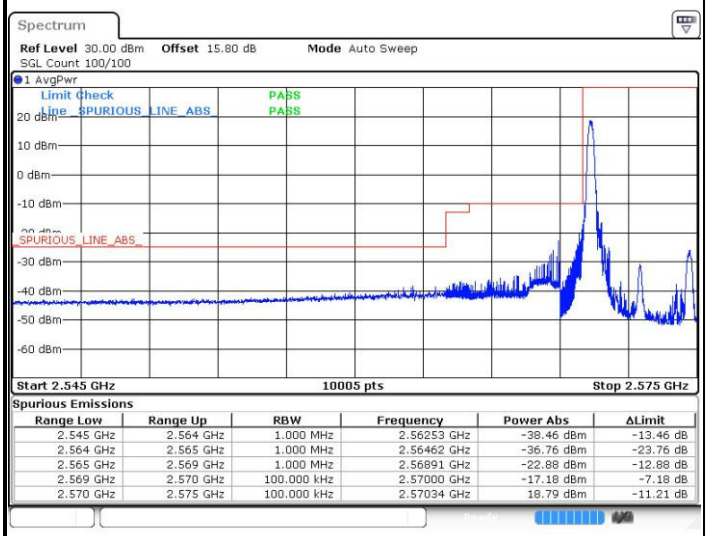
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56253 GHz	-38.46 dBm	-13.46 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56462 GHz	-36.76 dBm	-23.76 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56891 GHz	-22.88 dBm	-12.88 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-17.18 dBm	-7.18 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57034 GHz	18.79 dBm	-11.21 dB

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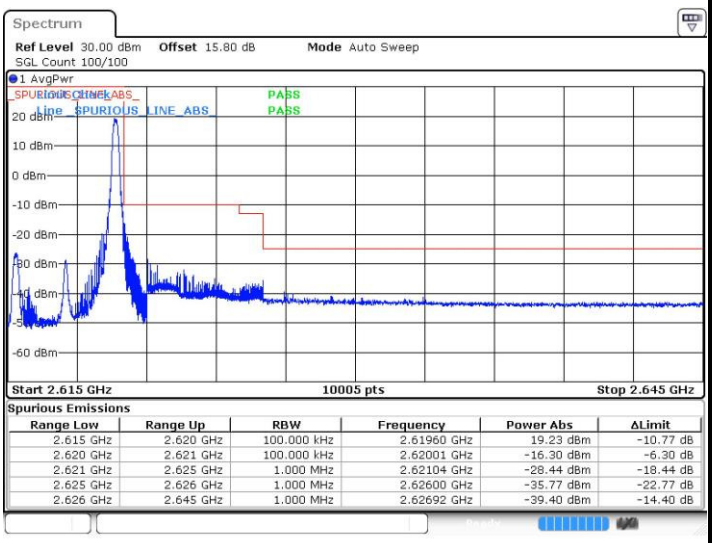
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61960 GHz	19.23 dBm	-10.77 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-16.30 dBm	-6.30 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62104 GHz	-28.44 dBm	-18.44 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62600 GHz	-35.77 dBm	-22.77 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62692 GHz	-39.40 dBm	-14.40 dB

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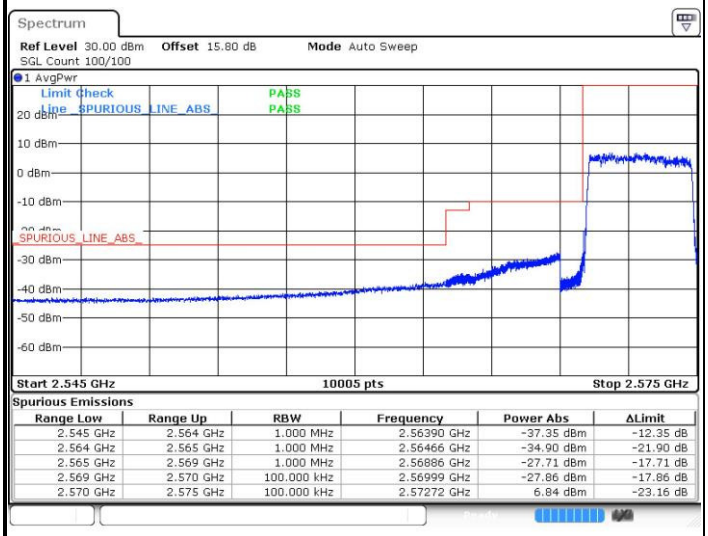
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56390 GHz	-37.35 dBm	-12.35 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56466 GHz	-34.90 dBm	-21.90 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56886 GHz	-27.71 dBm	-17.71 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56999 GHz	-27.86 dBm	-17.86 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57272 GHz	6.84 dBm	-23.16 dB

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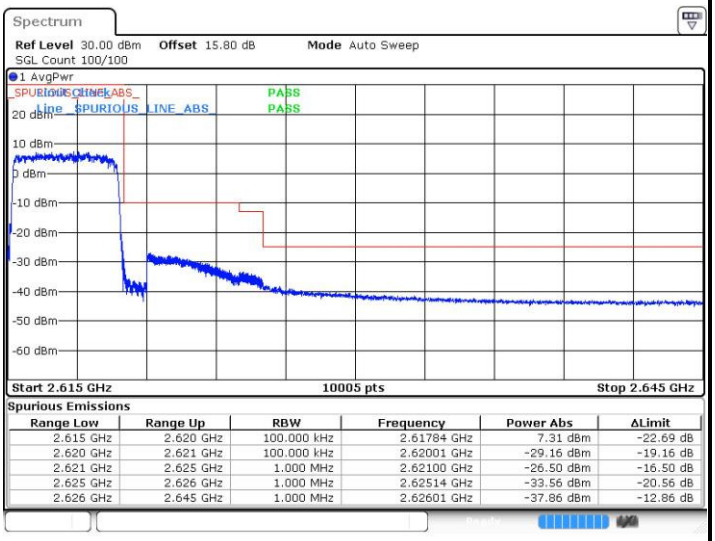
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61784 GHz	7.31 dBm	-22.69 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-29.16 dBm	-19.16 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62100 GHz	-26.50 dBm	-16.50 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62514 GHz	-33.56 dBm	-20.56 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62601 GHz	-37.86 dBm	-12.86 dB

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