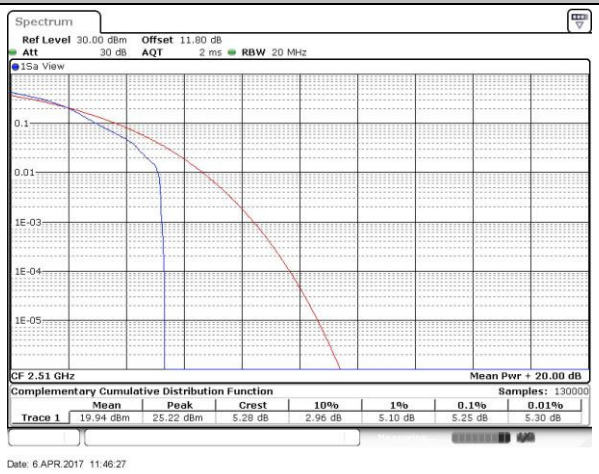
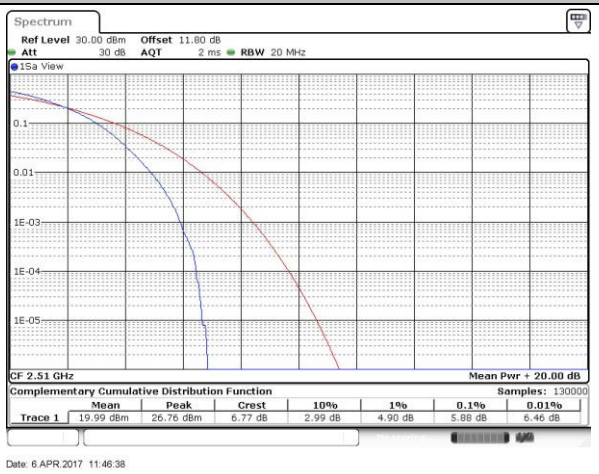
LTE Band 7 / 20MHz / 16QAM

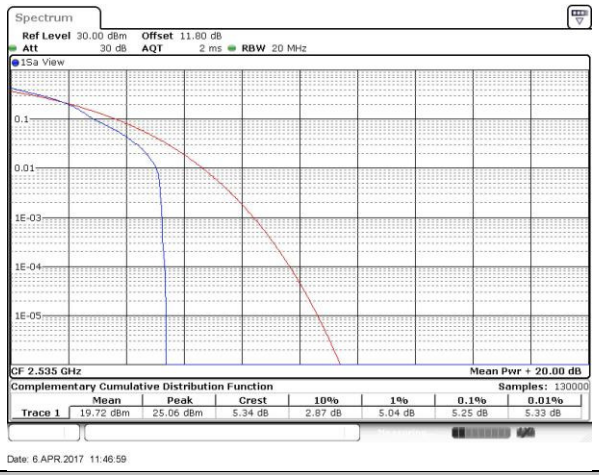
Lowest Channel / 1RB



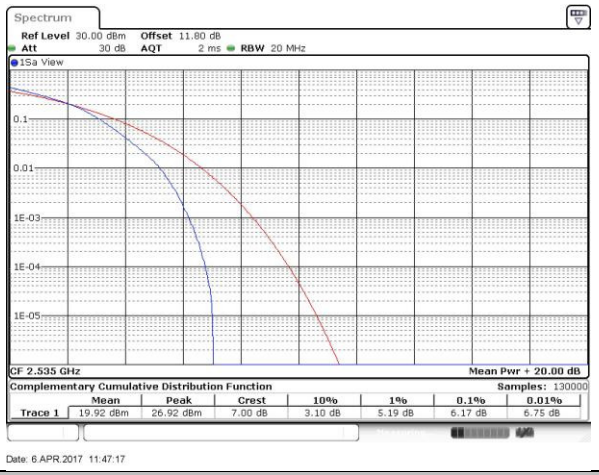
Lowest Channel / Full RB



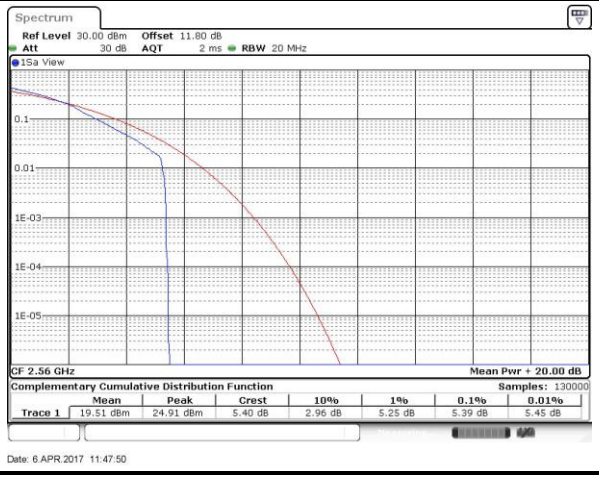
Middle Channel / 1RB



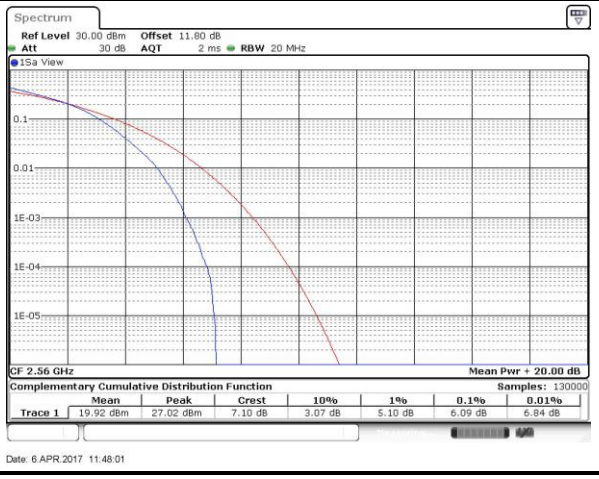
Middle Channel / Full RB



Highest Channel / 1RB

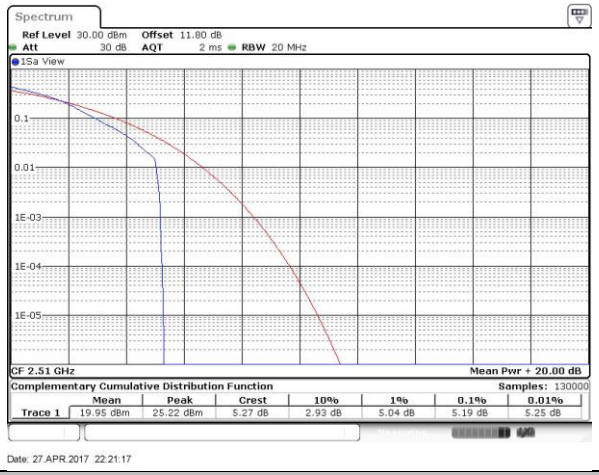


Highest Channel / Full RB

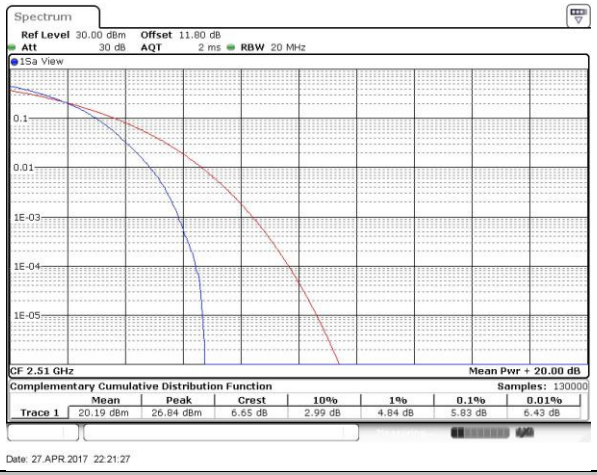


LTE Band 7 / 20MHz / 64QAM

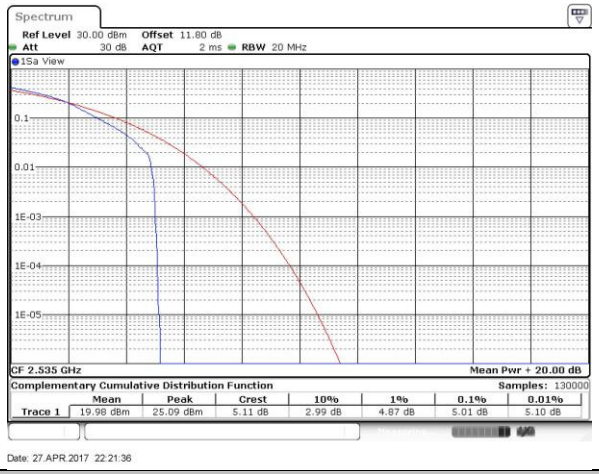
Lowest Channel / 1RB



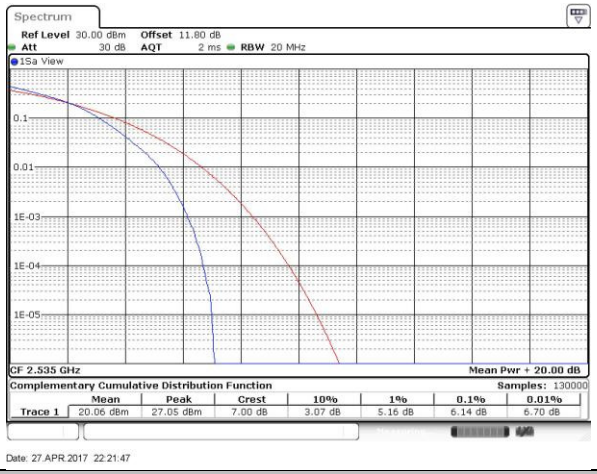
Lowest Channel / Full RB



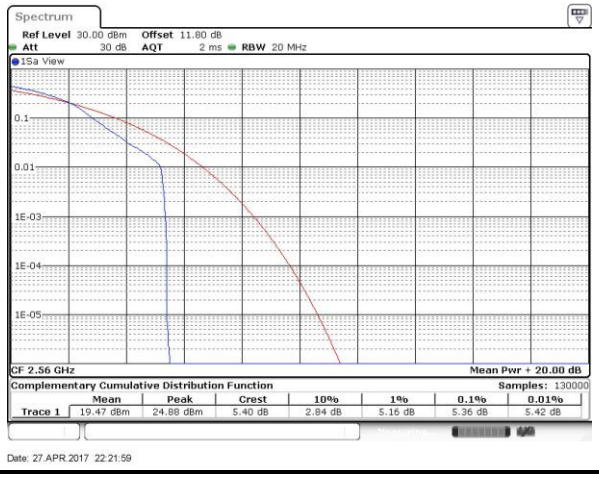
Middle Channel / 1RB



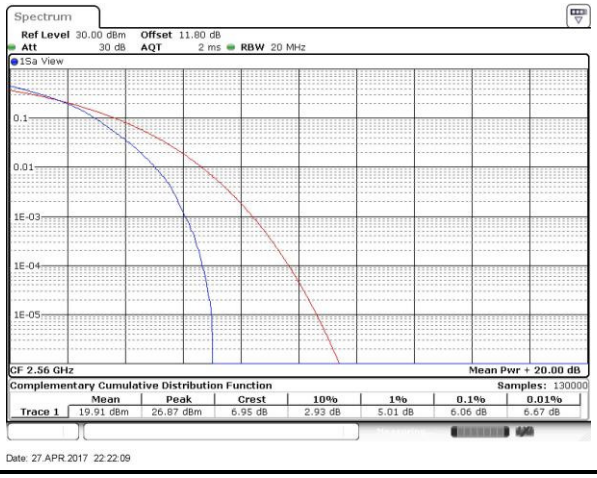
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

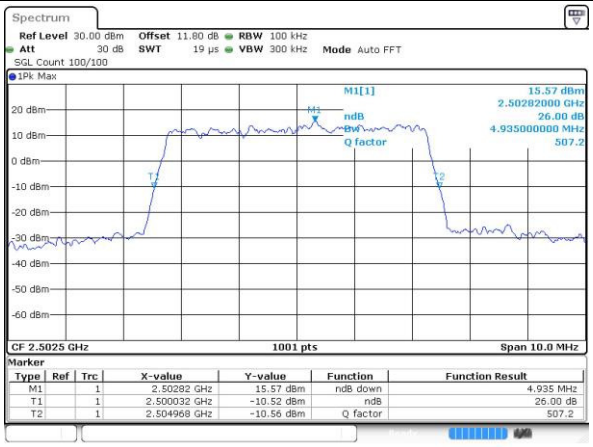


26dB Bandwidth

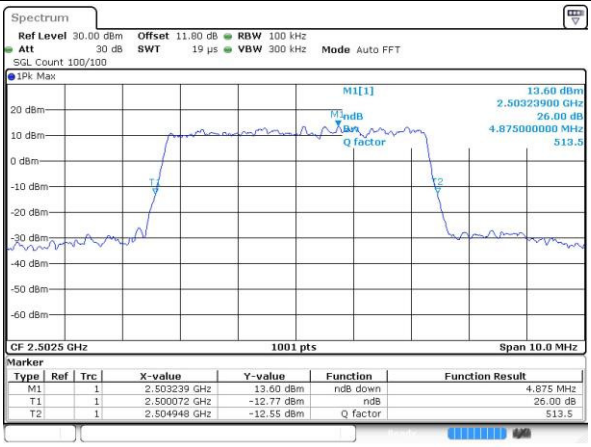
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.94	4.88	9.85	9.75	14.33	14.54	19.94	20.06
Middle CH	-	-	-	-	4.79	4.92	9.85	9.93	14.27	14.24	20.18	20.26
Highest CH	-	-	-	-	4.89	4.81	9.87	9.77	14.36	14.51	20.14	20.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.91	-	9.77	-	14.15	-	20.02
Middle CH	-	-	-	-	-	4.81	-	9.65	-	14.45	-	20.14
Highest CH	-	-	-	-	-	4.97	-	10.03	-	14.33	-	20.14

LTE Band 7

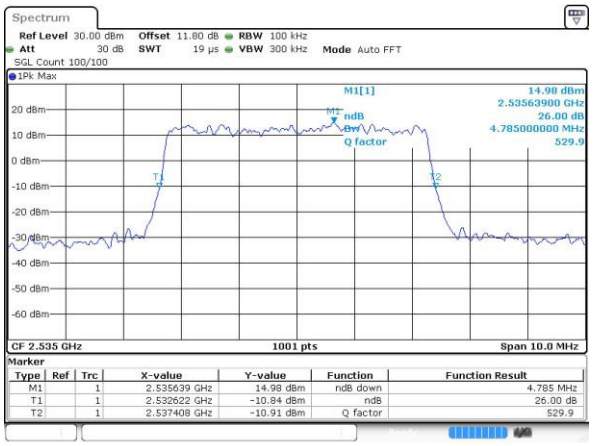
Lowest Channel / 5MHz / QPSK



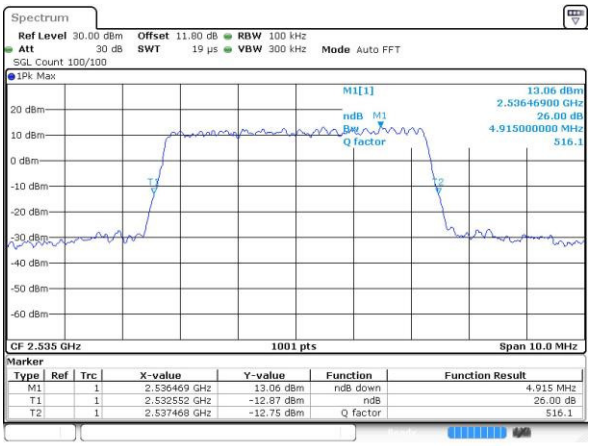
Lowest Channel / 5MHz / 16QAM



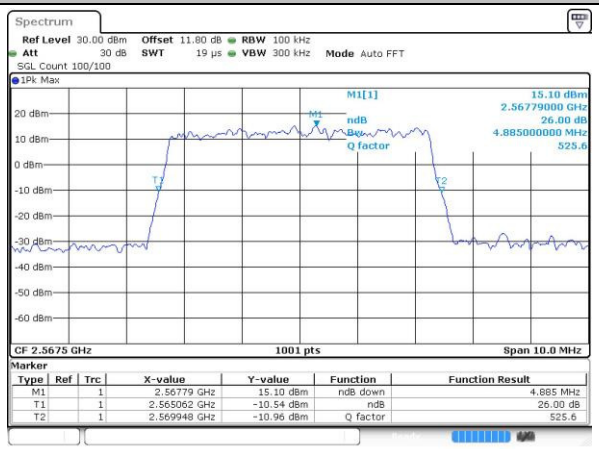
Middle Channel / 5MHz / QPSK



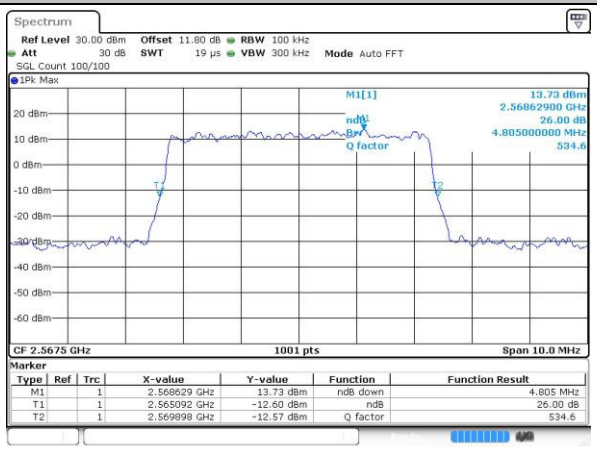
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

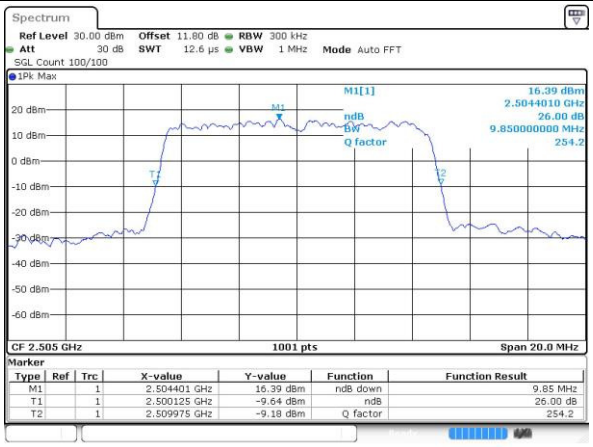


Highest Channel / 5MHz / 16QAM

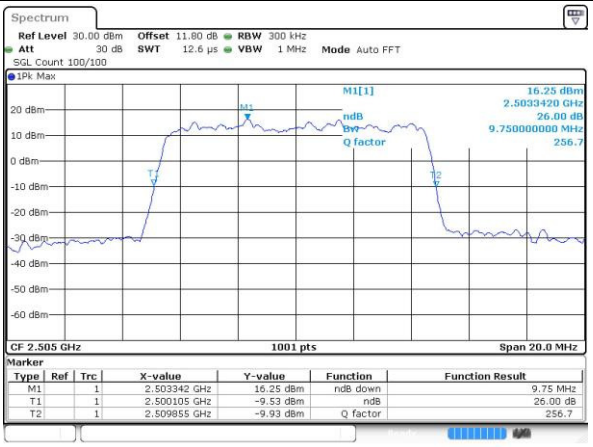


LTE Band 7

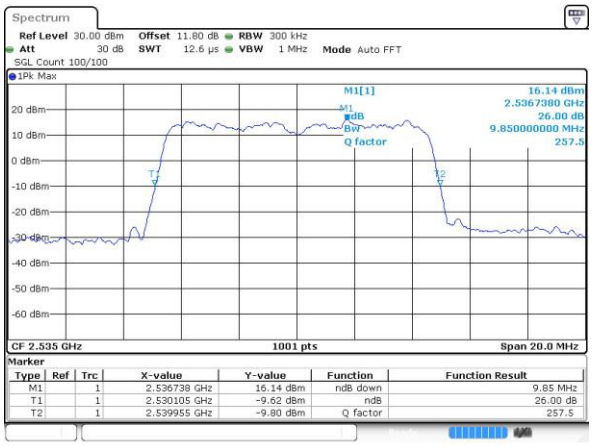
Lowest Channel / 10MHz / QPSK



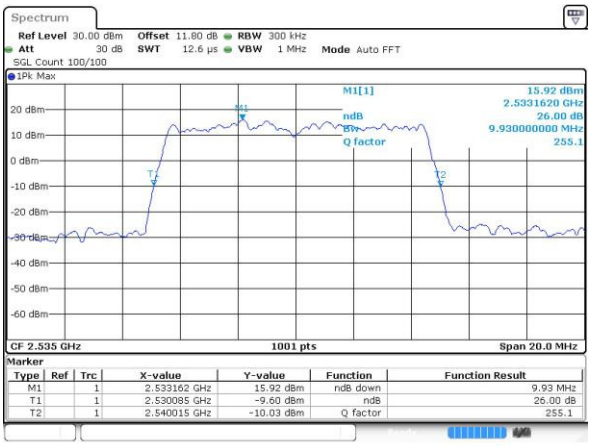
Lowest Channel / 10MHz / 16QAM



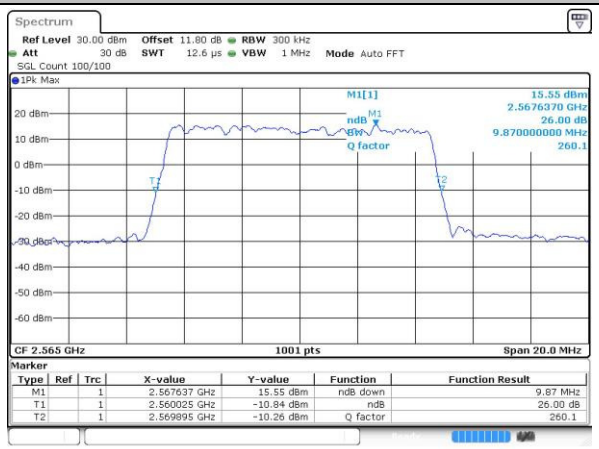
Middle Channel / 10MHz / QPSK



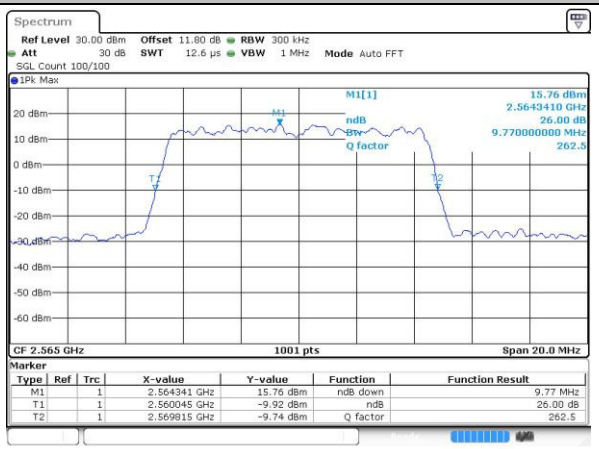
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

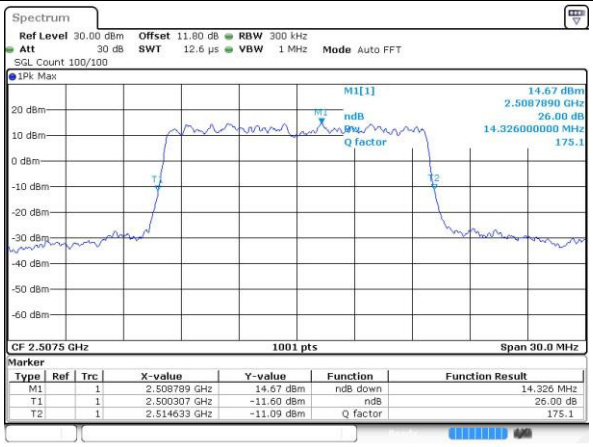


Highest Channel / 10MHz / 16QAM

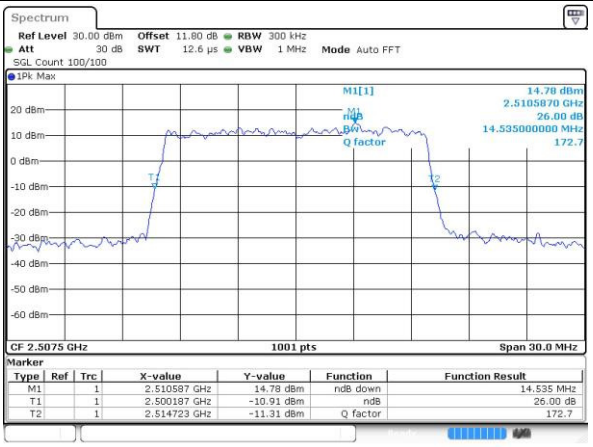


LTE Band 7

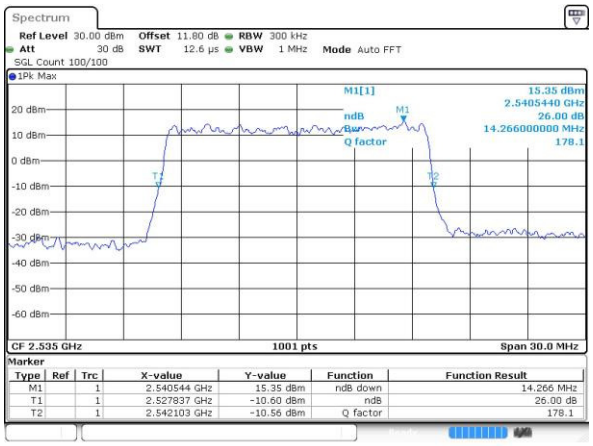
Lowest Channel / 15MHz / QPSK



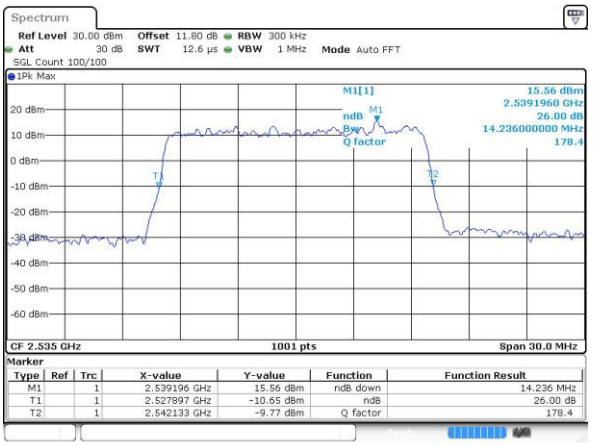
Lowest Channel / 15MHz / 16QAM



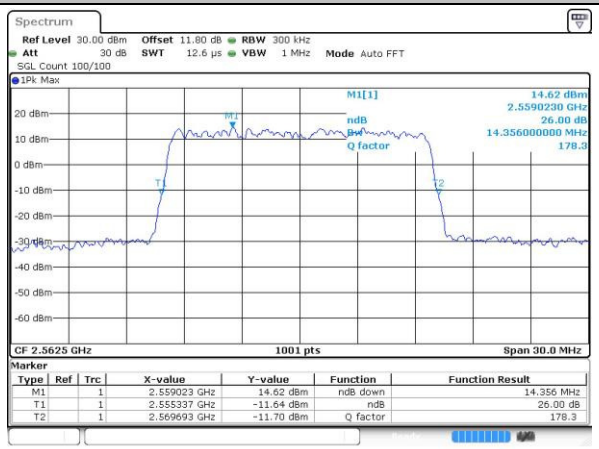
Middle Channel / 15MHz / QPSK



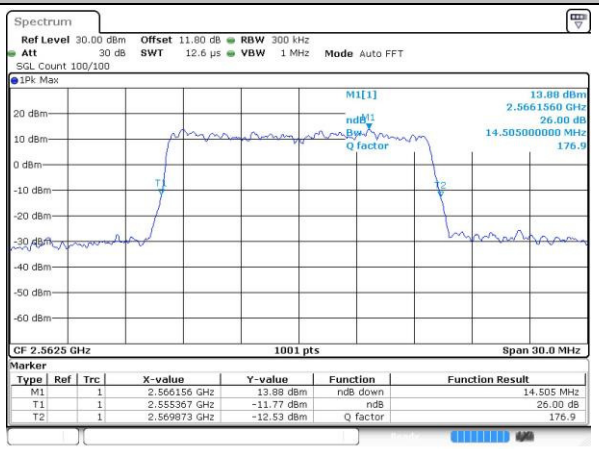
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

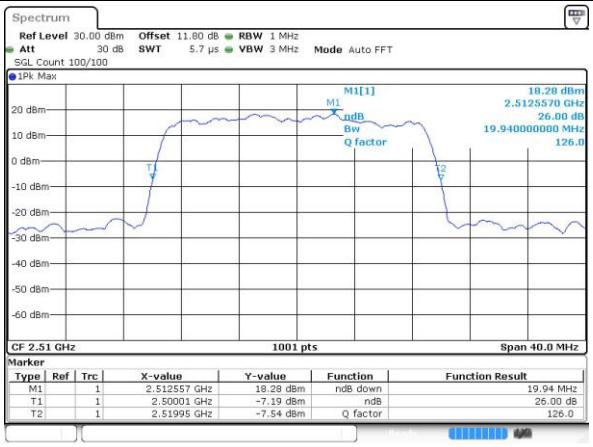


Highest Channel / 15MHz / 16QAM

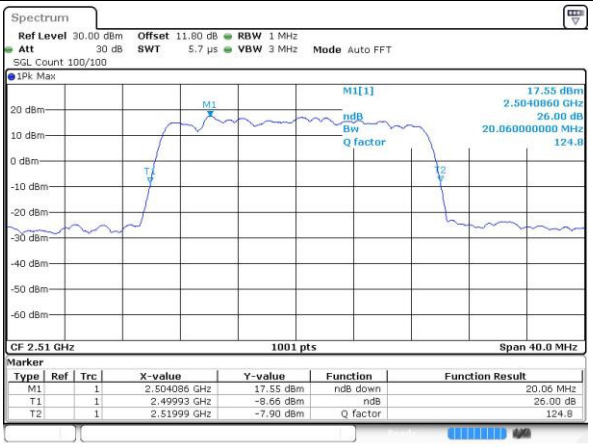


LTE Band 7

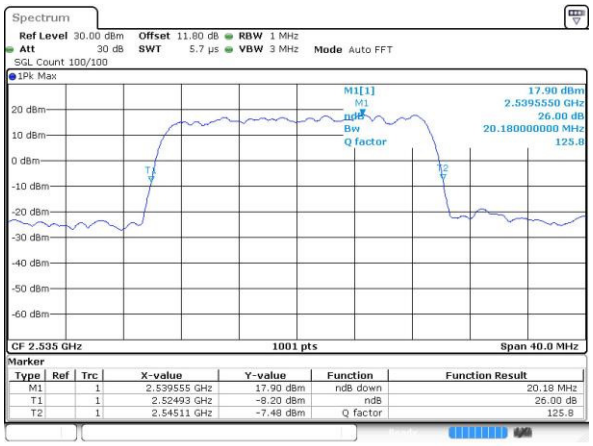
Lowest Channel / 20MHz / QPSK



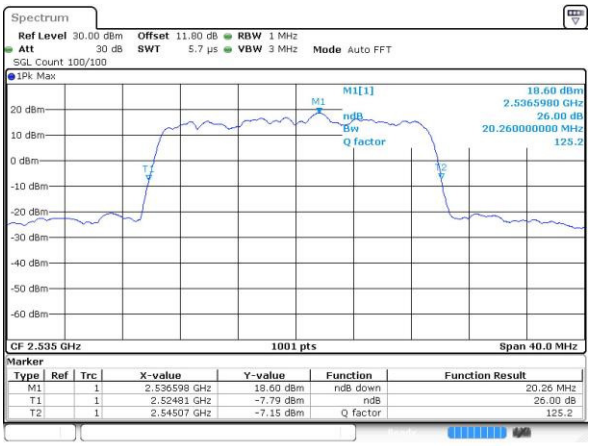
Lowest Channel / 20MHz / 16QAM



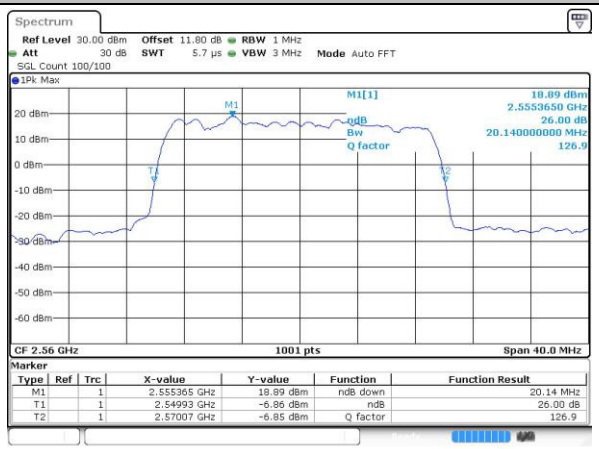
Middle Channel / 20MHz / QPSK



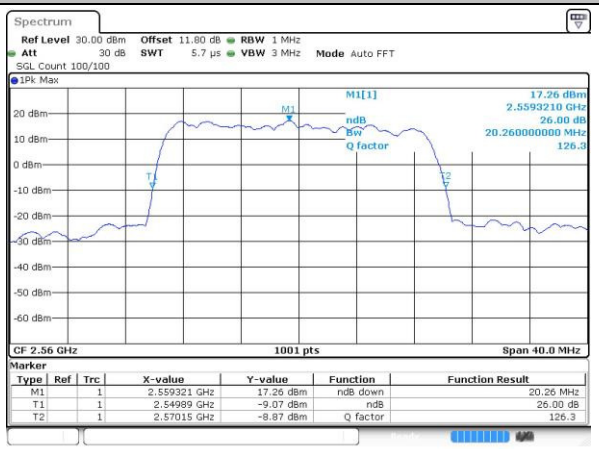
Middle Channel / 20MHz / 16QAM

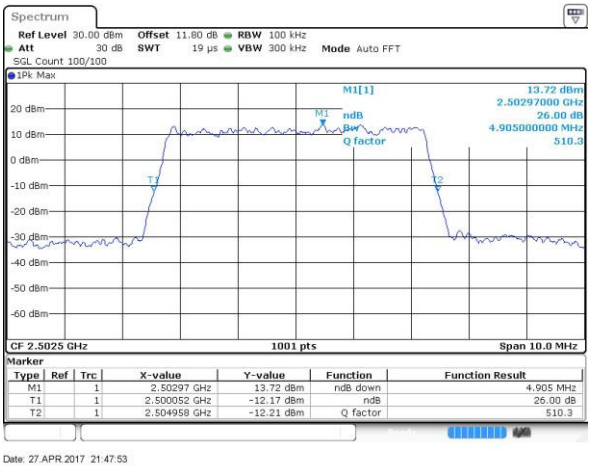
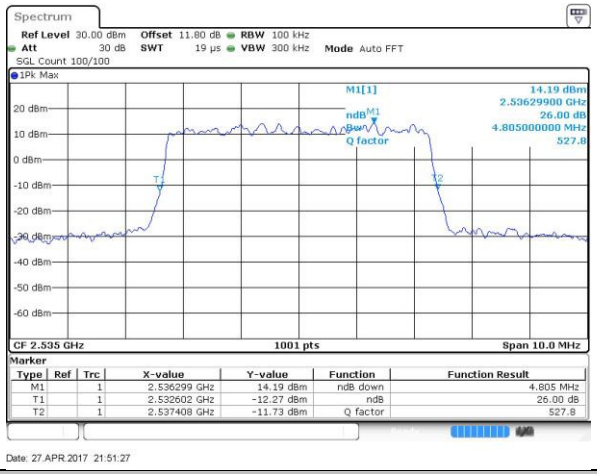
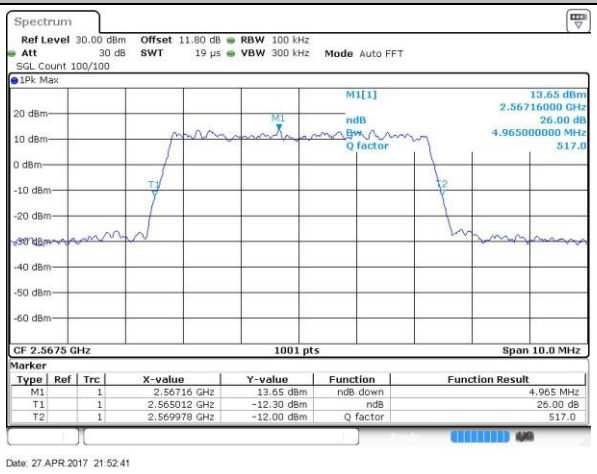


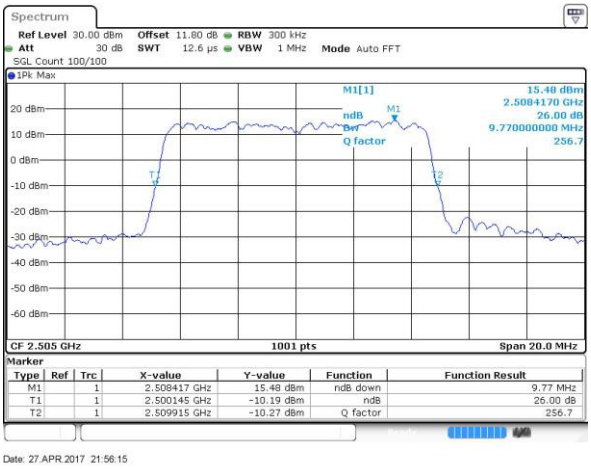
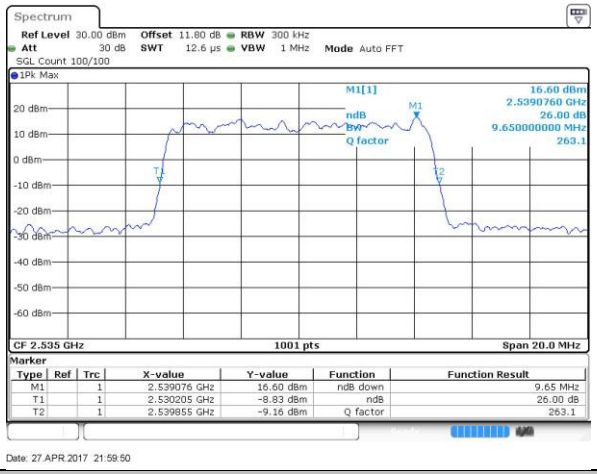
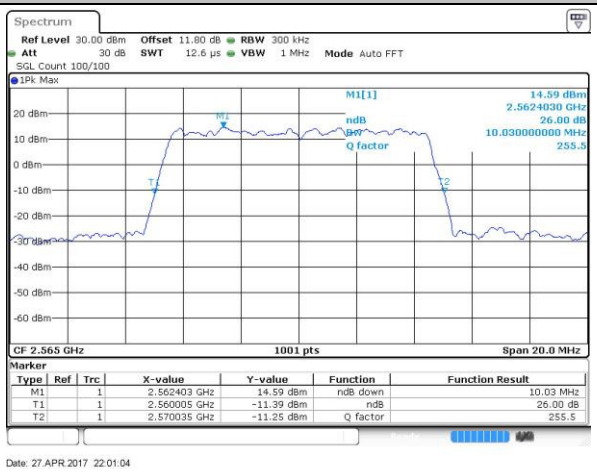
Highest Channel / 20MHz / QPSK

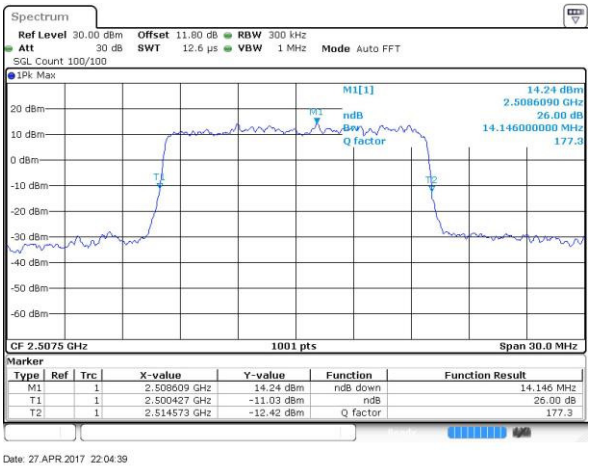
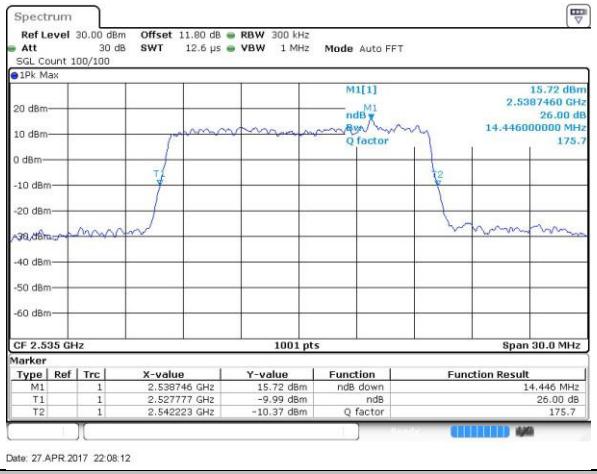
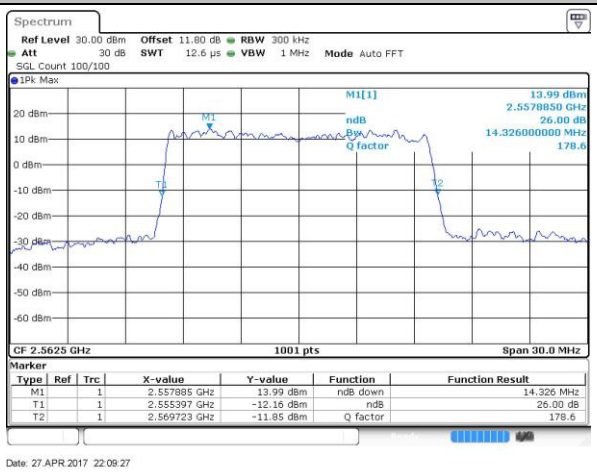


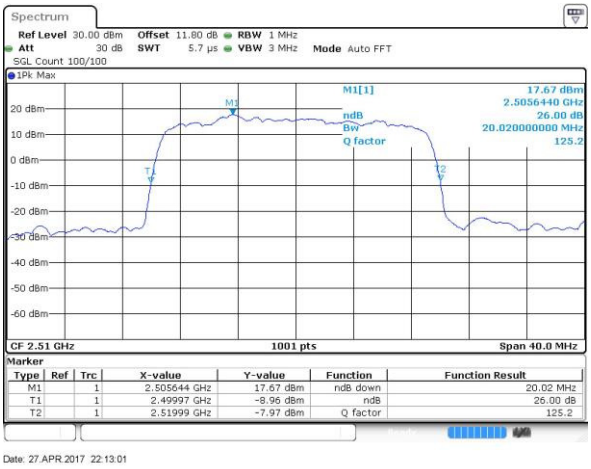
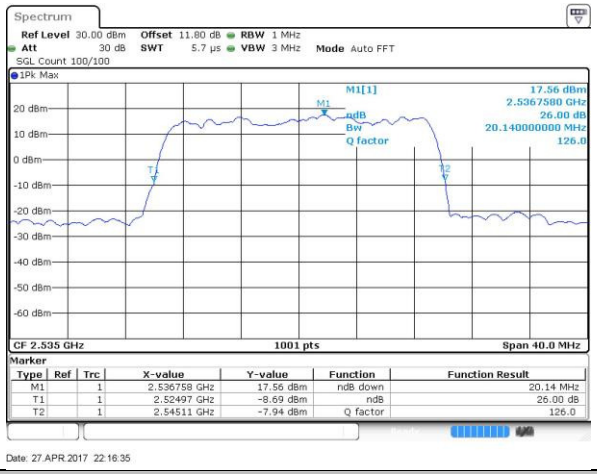
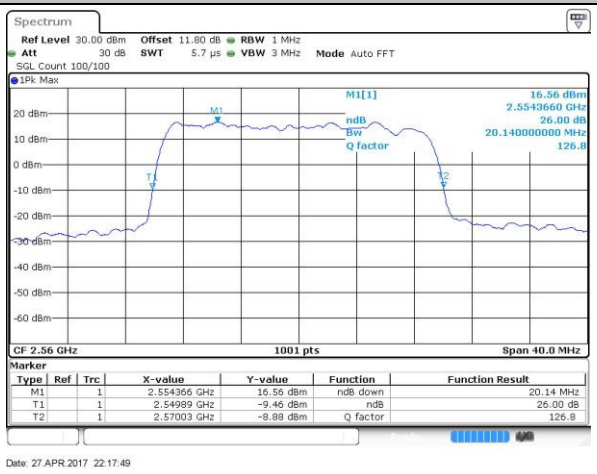
Highest Channel / 20MHz / 16QAM



LTE Band 7	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 7	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

LTE Band 7	
	Lowest Channel / 15MHz / 64QAM
	
	Middle Channel / 15MHz / 64QAM
	
	Highest Channel / 15MHz / 64QAM
	

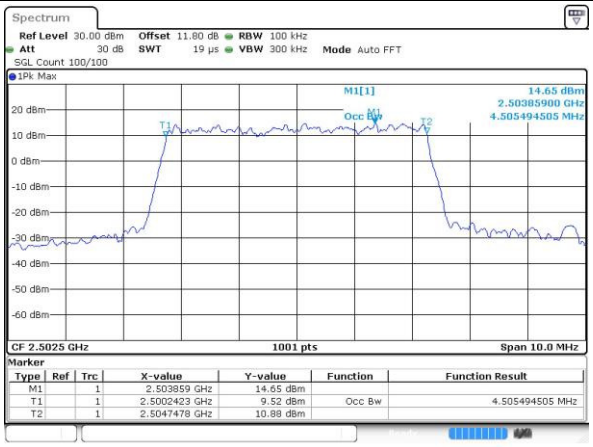
LTE Band 7	
	Lowest Channel / 20MHz / 64QAM
	
	Middle Channel / 20MHz / 64QAM
	
	Highest Channel / 20MHz / 64QAM
	

Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.51	4.49	9.05	8.97	13.46	13.46	18.38	18.22
Middle CH	-	-	-	-	4.5	4.49	9.01	9.01	13.46	13.43	18.42	18.5
Highest CH	-	-	-	-	4.51	4.51	9.07	9.01	13.43	13.49	18.34	18.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.51	-	9.01	-	13.43	-	18.26
Middle CH	-	-	-	-	-	4.48	-	9.03	-	13.4	-	18.22
Highest CH	-	-	-	-	-	4.48	-	9.03	-	13.34	-	18.26

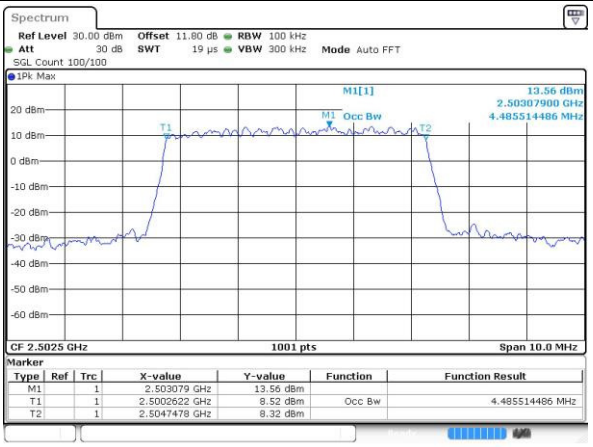
LTE Band 7

Lowest Channel / 5MHz / QPSK



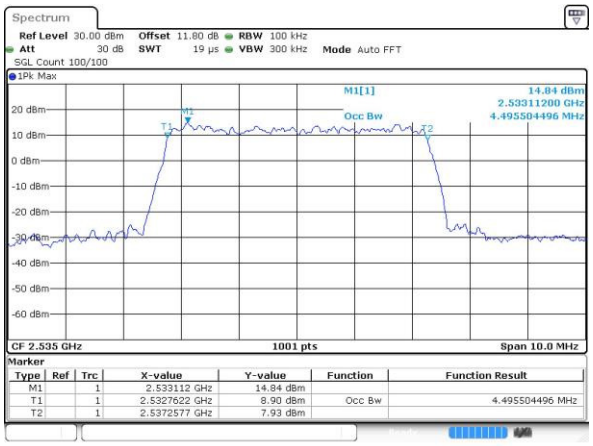
Date: 6.APR.2017 10:14:10

Lowest Channel / 5MHz / 16QAM



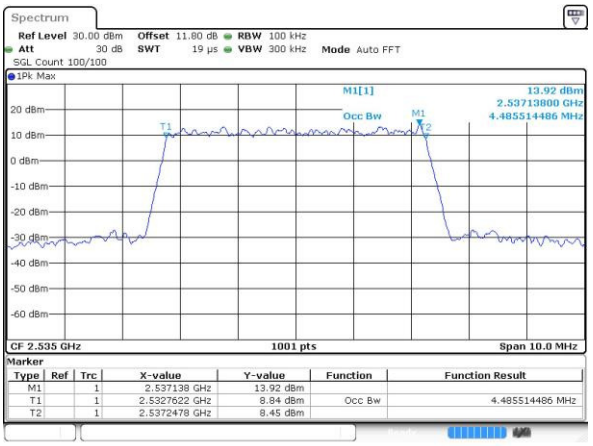
Date: 6.APR.2017 10:14:20

Middle Channel / 5MHz / QPSK



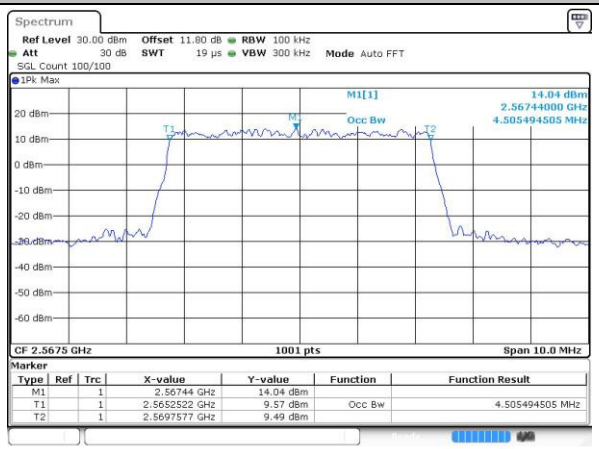
Date: 6.APR.2017 10:21:18

Middle Channel / 5MHz / 16QAM



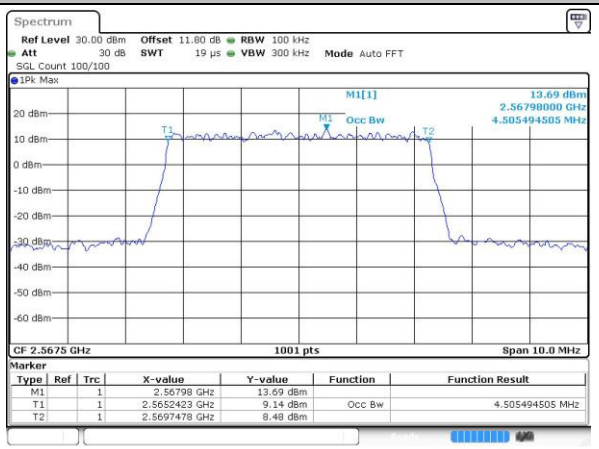
Date: 6.APR.2017 10:21:28

Highest Channel / 5MHz / QPSK



Date: 6.APR.2017 10:23:47

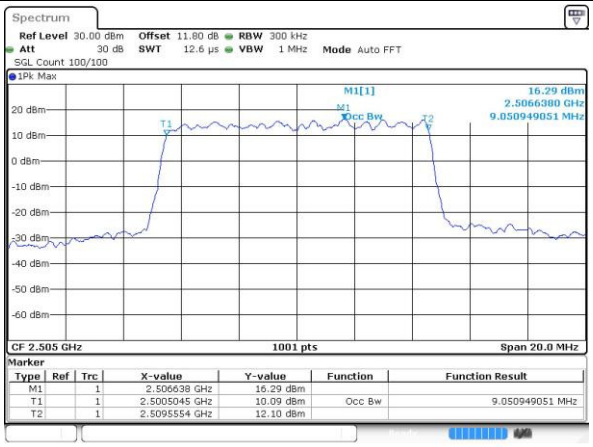
Highest Channel / 5MHz / 16QAM



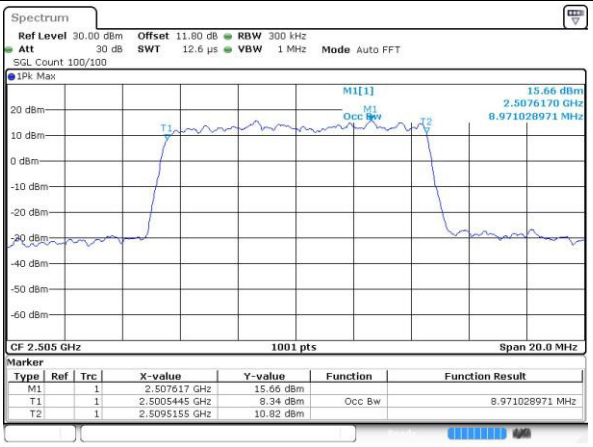
Date: 6.APR.2017 10:23:57

LTE Band 7

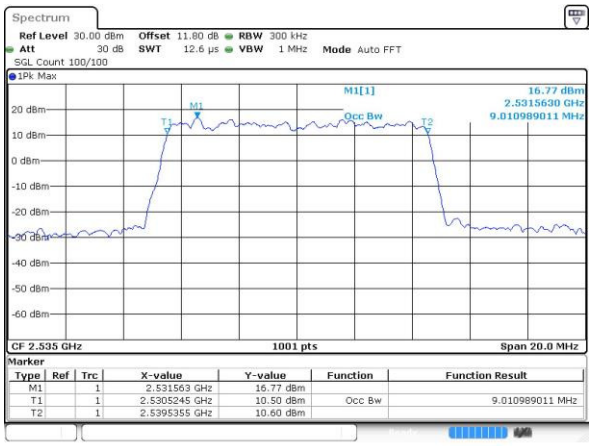
Lowest Channel / 10MHz / QPSK



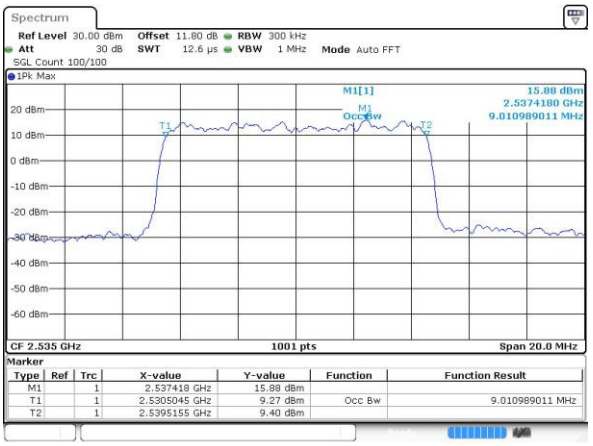
Lowest Channel / 10MHz / 16QAM



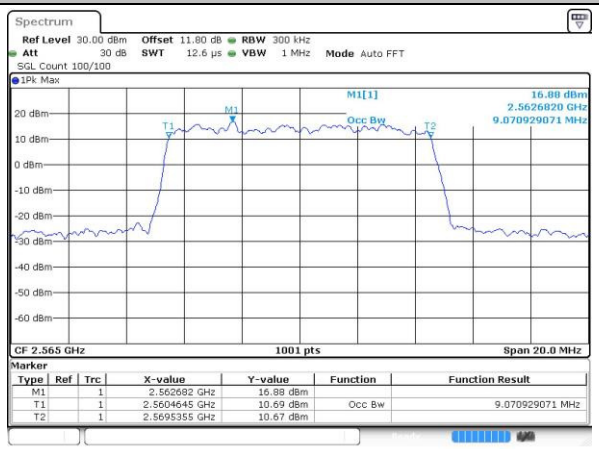
Middle Channel / 10MHz / QPSK



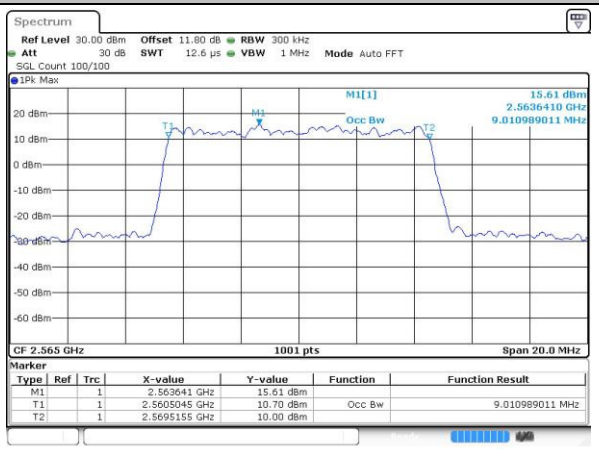
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

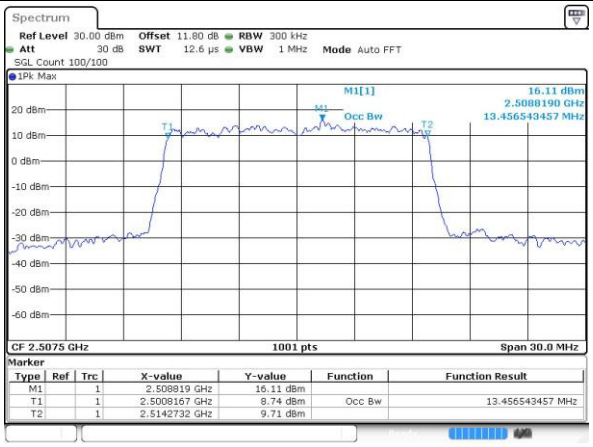


Highest Channel / 10MHz / 16QAM



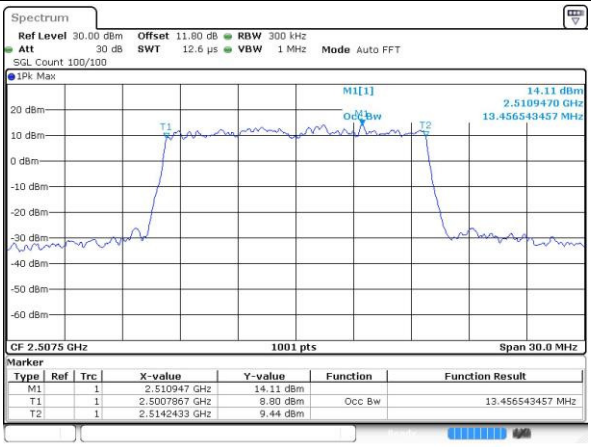
LTE Band 7

Lowest Channel / 15MHz / QPSK



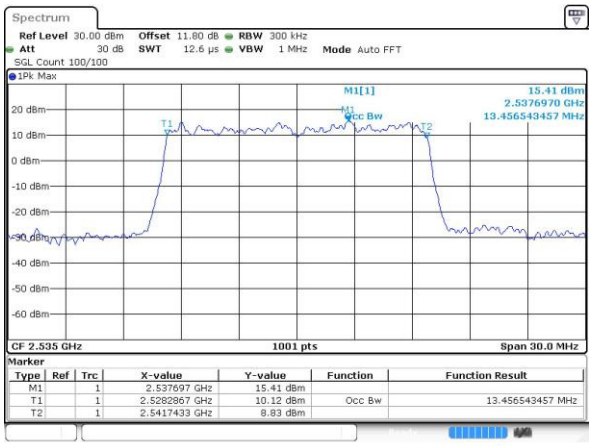
Date: 6.APR.2017 10:47:41

Lowest Channel / 15MHz / 16QAM



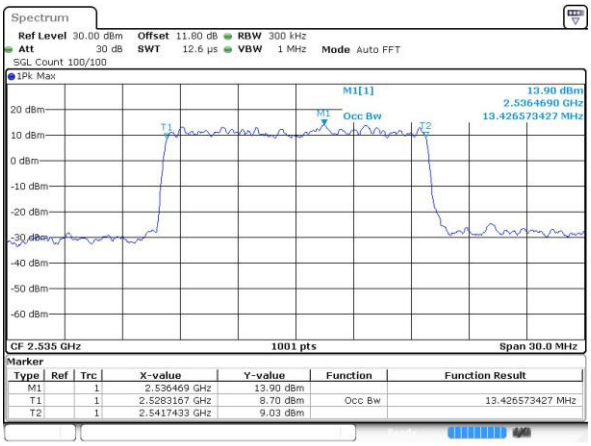
Date: 6.APR.2017 10:47:52

Middle Channel / 15MHz / QPSK



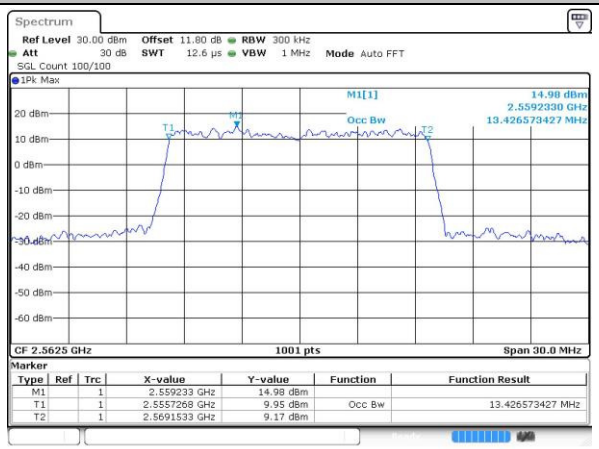
Date: 6.APR.2017 10:54:49

Middle Channel / 15MHz / 16QAM



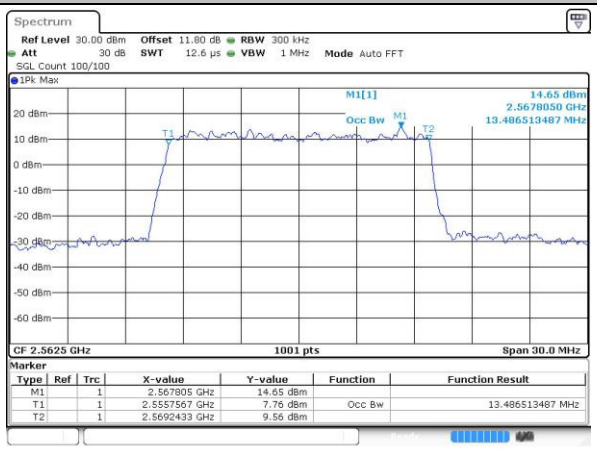
Date: 6.APR.2017 10:55:00

Highest Channel / 15MHz / QPSK



Date: 6.APR.2017 10:57:18

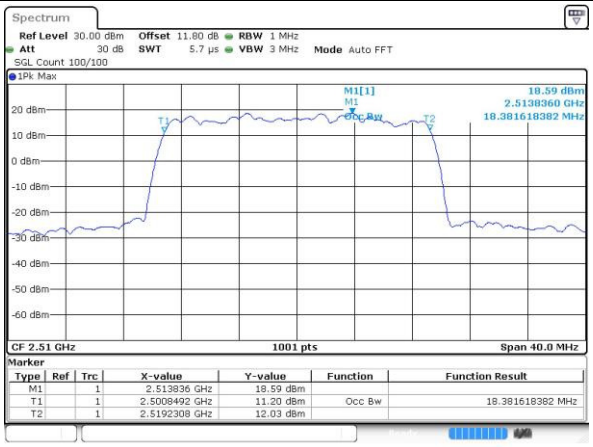
Highest Channel / 15MHz / 16QAM



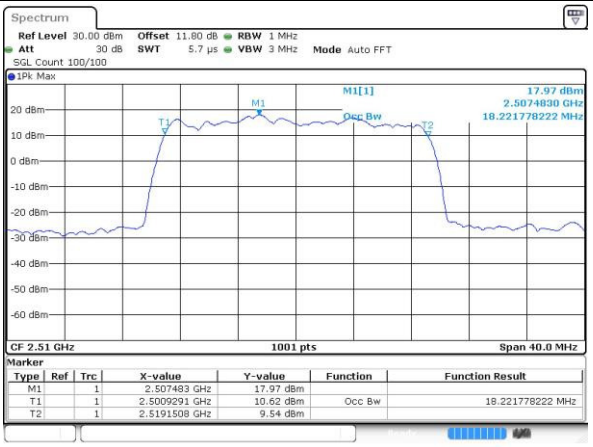
Date: 6.APR.2017 10:57:29

LTE Band 7

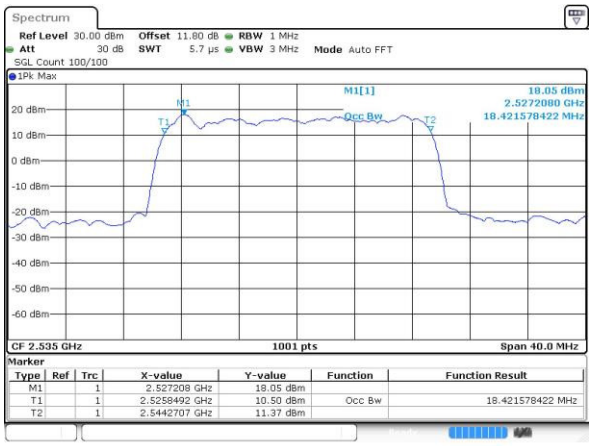
Lowest Channel / 20MHz / QPSK



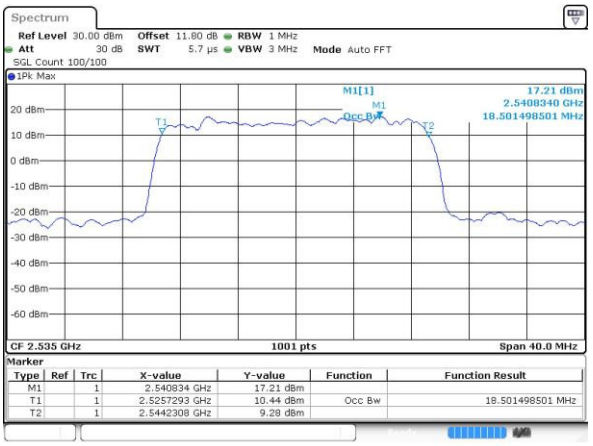
Lowest Channel / 20MHz / 16QAM



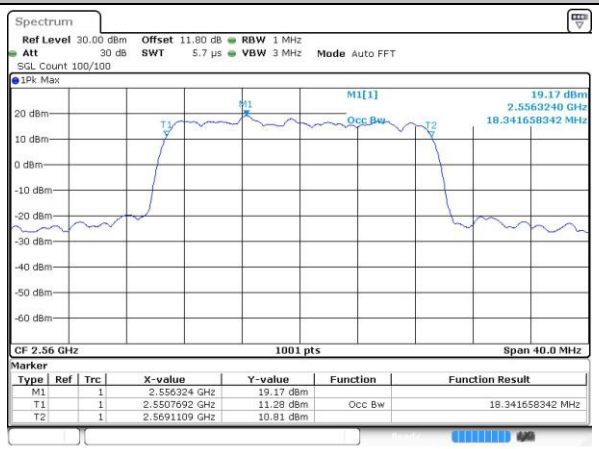
Middle Channel / 20MHz / QPSK



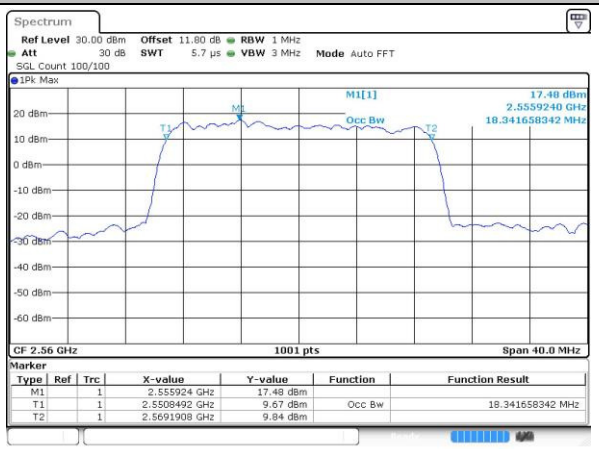
Middle Channel / 20MHz / 16QAM

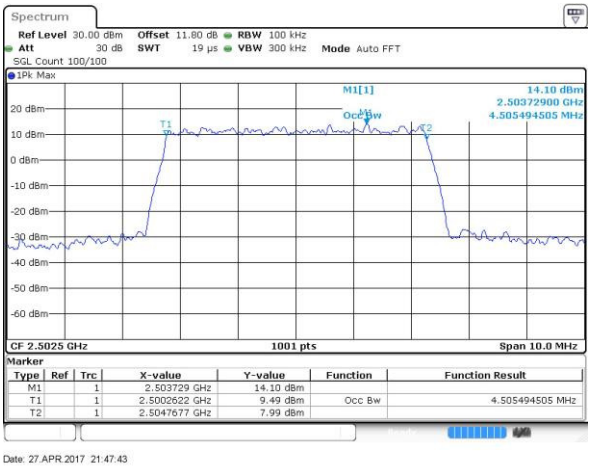
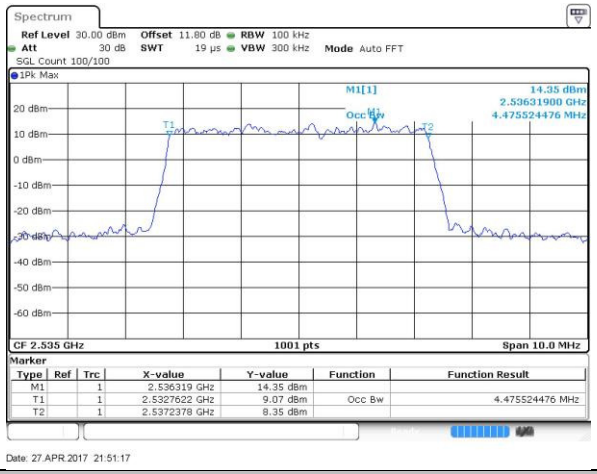
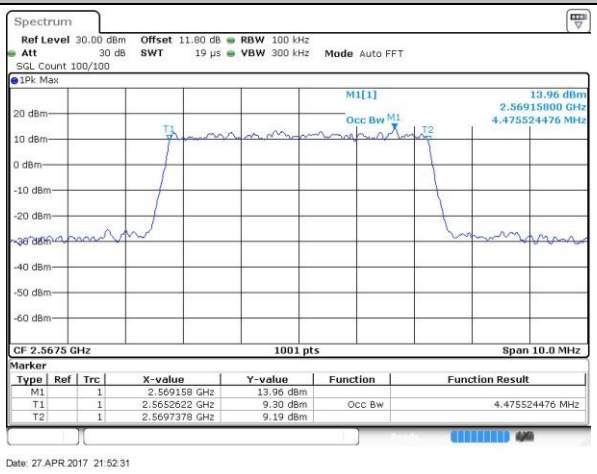


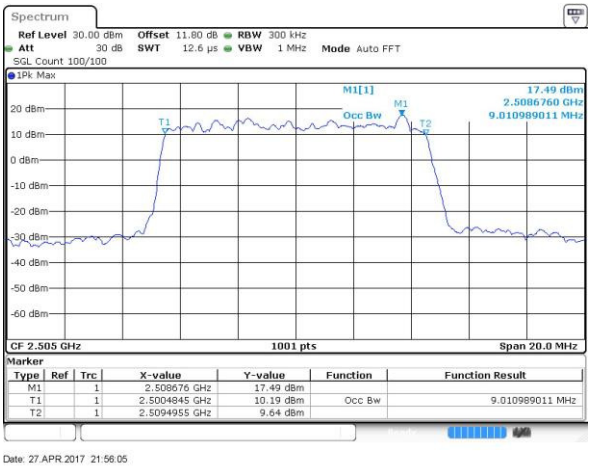
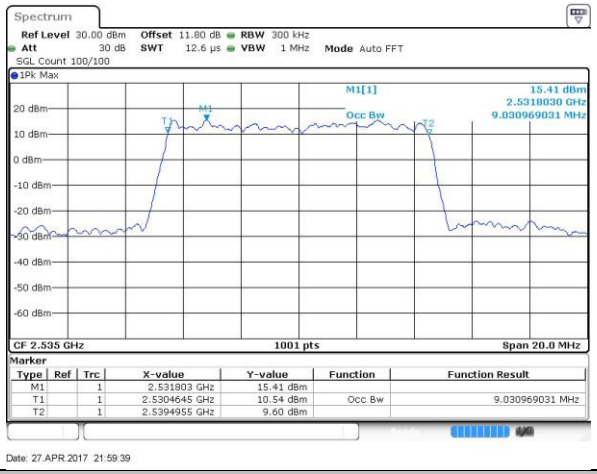
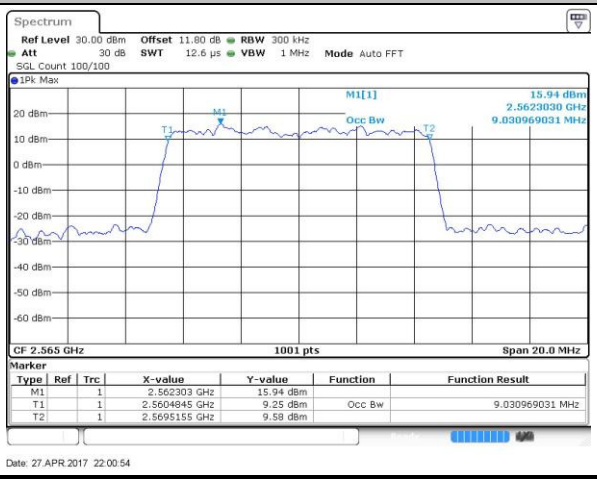
Highest Channel / 20MHz / QPSK

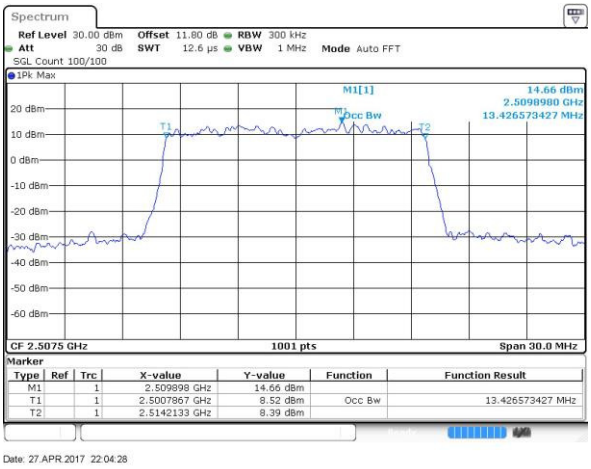
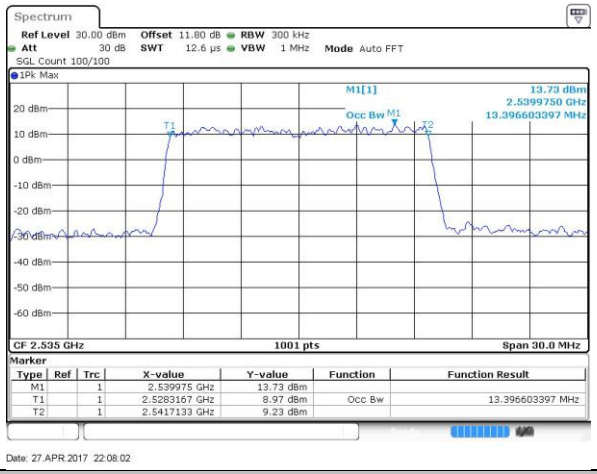
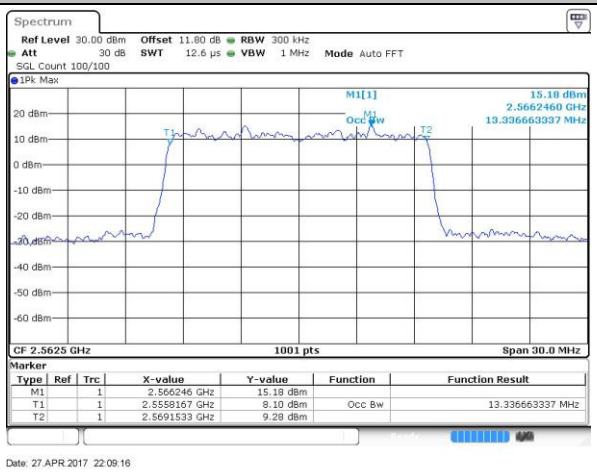


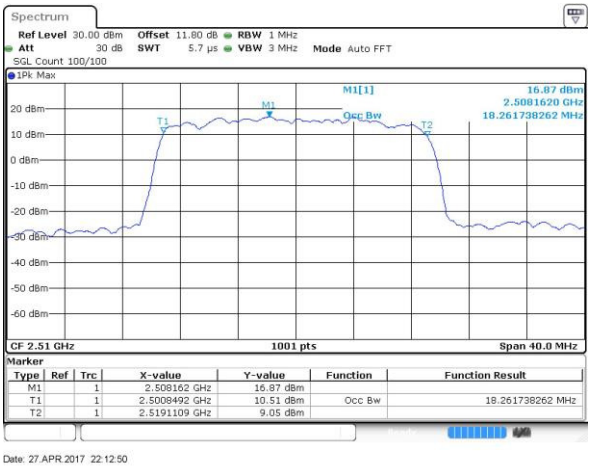
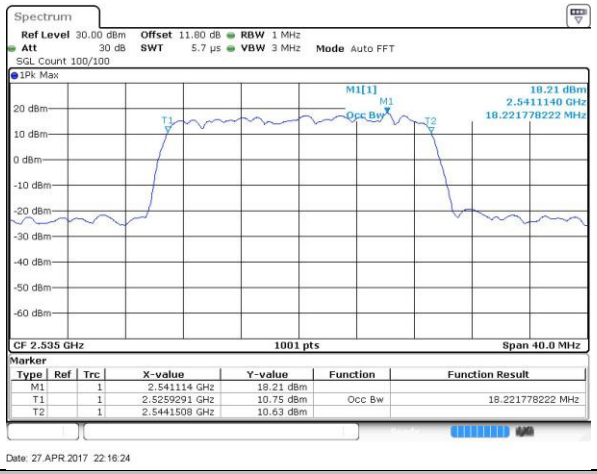
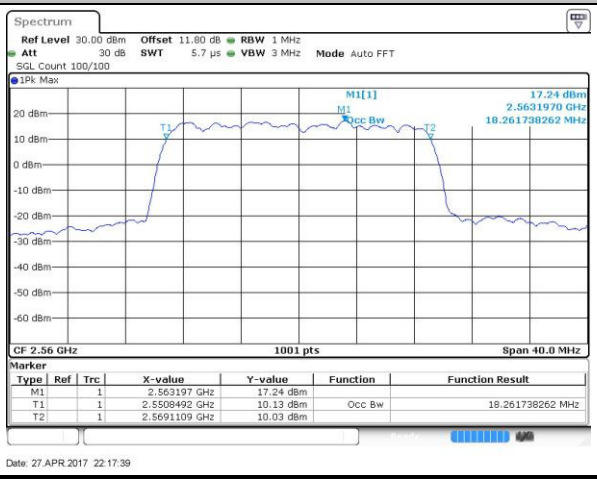
Highest Channel / 20MHz / 16QAM



LTE Band 7	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 7	
	Lowest Channel / 10MHz / 64QAM
	
	Middle Channel / 10MHz / 64QAM
	
	Highest Channel / 10MHz / 64QAM
	

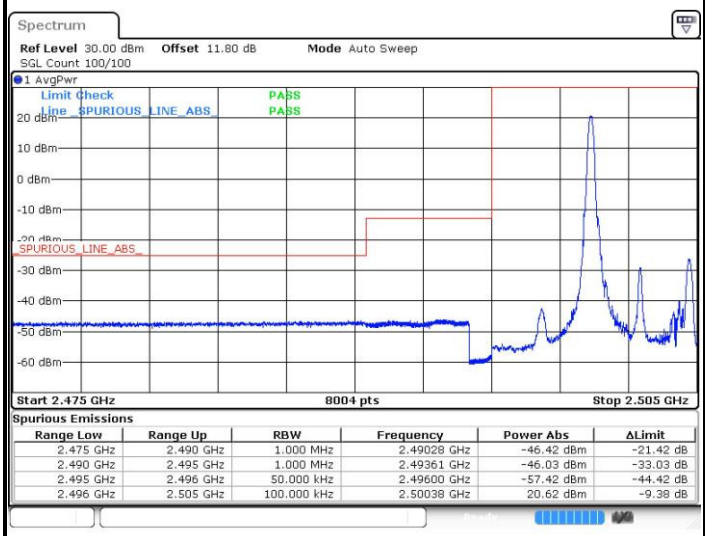
LTE Band 7	
	Lowest Channel / 15MHz / 64QAM
	
	Middle Channel / 15MHz / 64QAM
	
	Highest Channel / 15MHz / 64QAM
	

LTE Band 7	
	Lowest Channel / 20MHz / 64QAM
	
	Middle Channel / 20MHz / 64QAM
	
	Highest Channel / 20MHz / 64QAM
	

Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

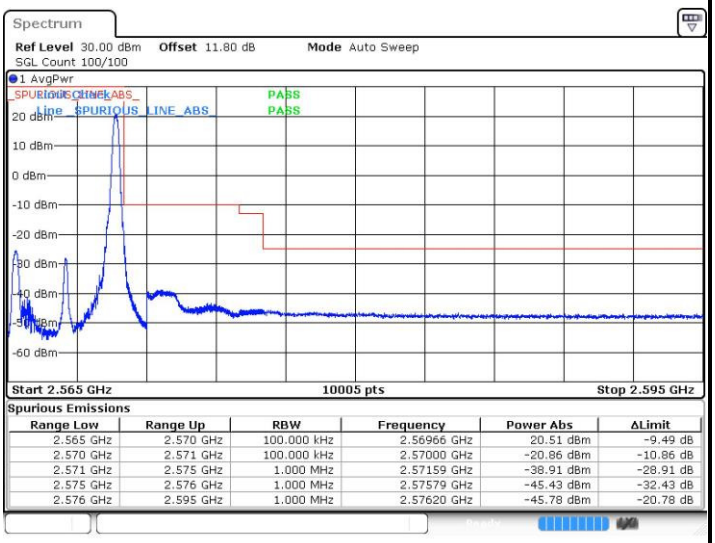


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-46.42 dBm	-21.42 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49361 GHz	-46.03 dBm	-33.03 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-57.42 dBm	-44.42 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50038 GHz	20.62 dBm	-9.38 dB

Date: 6.APR.2017 10:15:50

Highest Band Edge / 1 RB

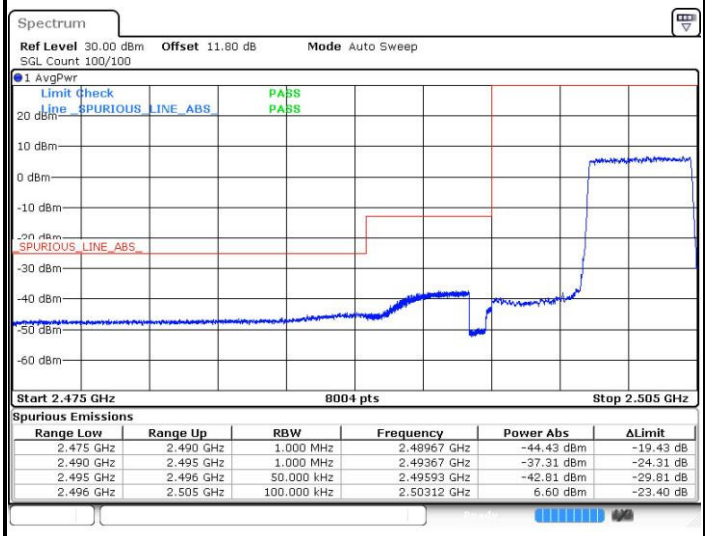


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	20.51 dBm	-9.49 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-20.86 dBm	-10.86 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57159 GHz	-38.91 dBm	-28.91 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57579 GHz	-45.43 dBm	-32.43 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57620 GHz	-45.78 dBm	-20.78 dB

Date: 6.APR.2017 10:25:27

Lowest Band Edge / Full RB

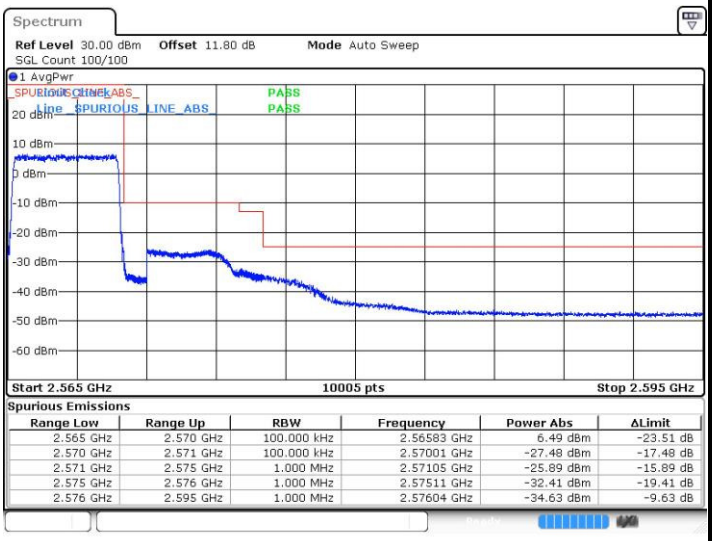


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48967 GHz	-44.43 dBm	-19.43 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49367 GHz	-37.31 dBm	-24.31 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49593 GHz	-42.81 dBm	-29.81 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50312 GHz	6.60 dBm	-23.40 dB

Date: 6.APR.2017 10:18:09

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56583 GHz	6.49 dBm	-23.51 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-27.48 dBm	-17.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-25.89 dBm	-15.89 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57511 GHz	-32.41 dBm	-19.41 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57604 GHz	-34.63 dBm	-9.63 dB

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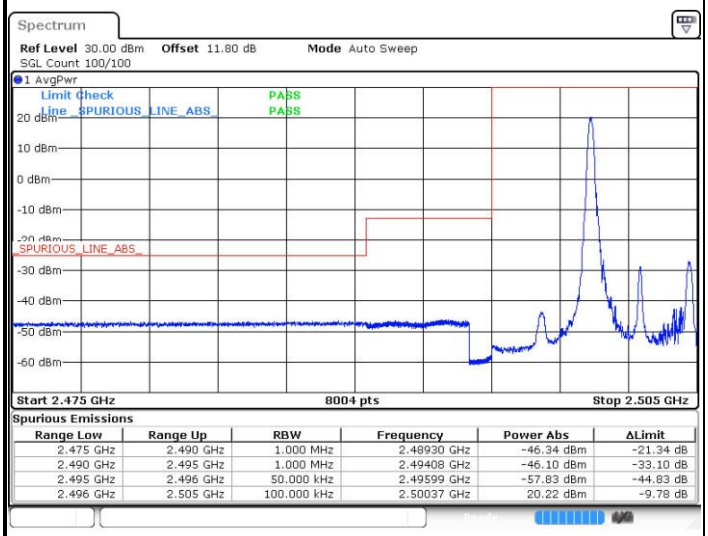
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

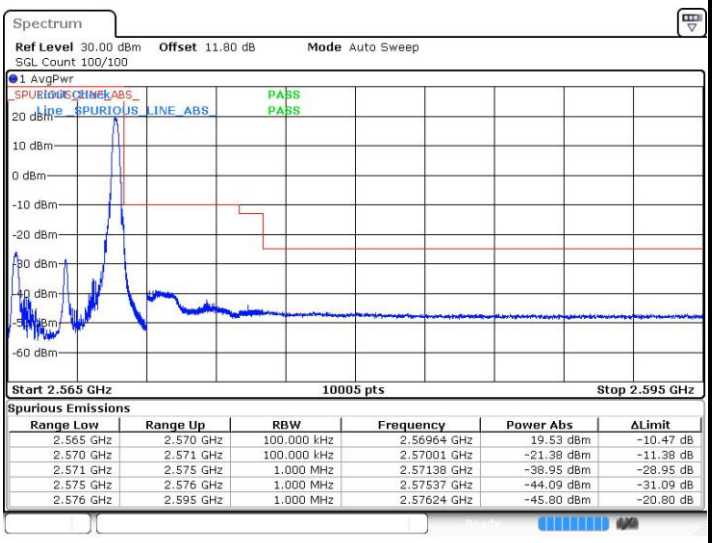


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48930 GHz	-46.34 dBm	-21.34 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49408 GHz	-46.10 dBm	-33.10 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-57.83 dBm	-44.83 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50037 GHz	20.22 dBm	-9.78 dB

Date: 6.APR.2017 10:17:00

Highest Band Edge / 1 RB

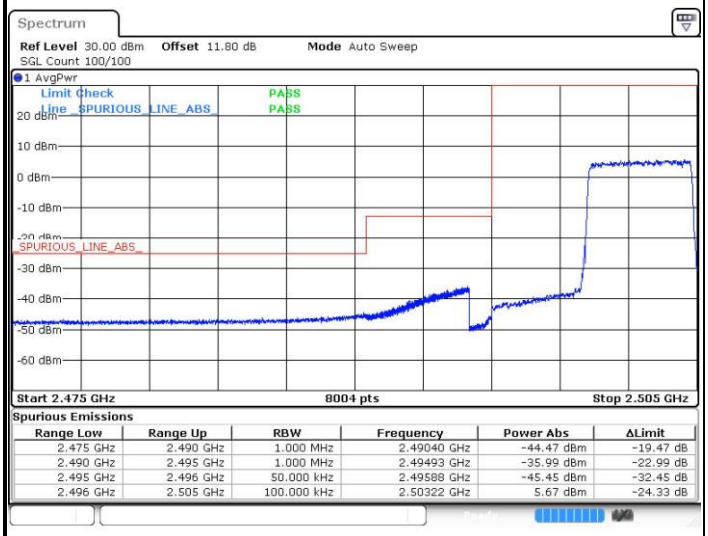


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56964 GHz	19.53 dBm	-10.47 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-21.38 dBm	-11.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57138 GHz	-38.95 dBm	-28.95 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57537 GHz	-44.09 dBm	-31.09 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57624 GHz	-45.80 dBm	-20.80 dB

Date: 6.APR.2017 10:26:37

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-44.47 dBm	-19.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-35.99 dBm	-22.99 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49588 GHz	-45.45 dBm	-32.45 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50322 GHz	5.67 dBm	-24.33 dB

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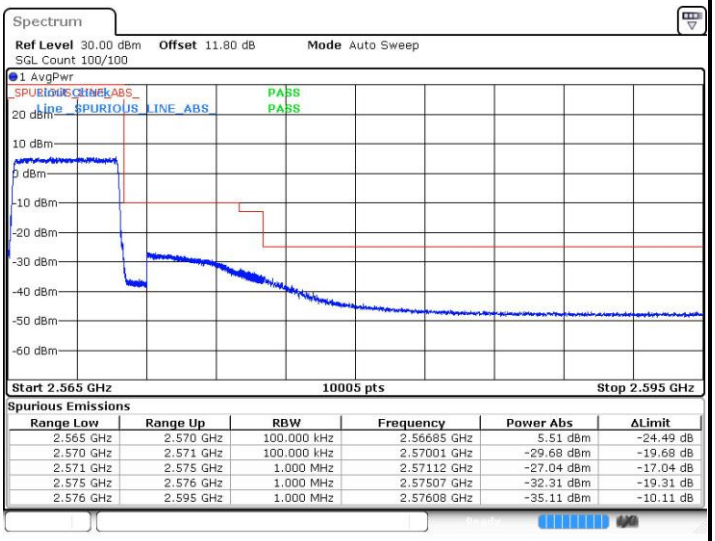
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56685 GHz	5.51 dBm	-24.49 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-29.68 dBm	-19.68 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-27.04 dBm	-17.04 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57507 GHz	-32.31 dBm	-19.31 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57608 GHz	-35.11 dBm	-10.11 dB

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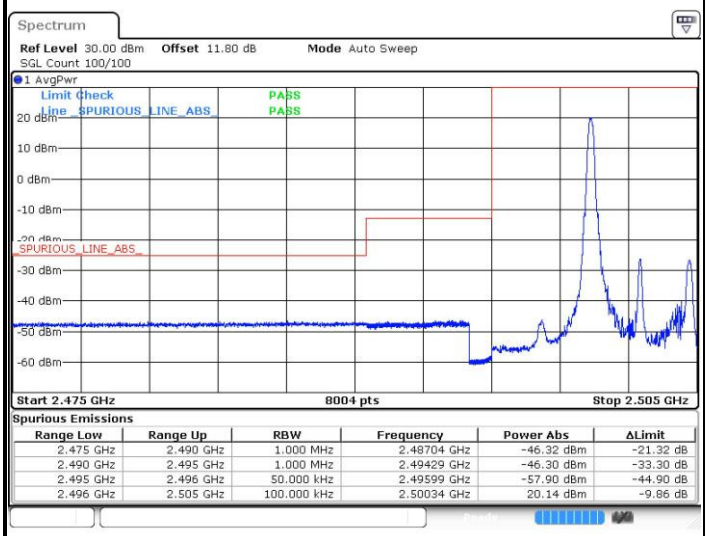
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48704 GHz	-46.32 dBm	-21.32 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49429 GHz	-46.30 dBm	-33.30 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-57.90 dBm	-44.90 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	20.14 dBm	-9.86 dB

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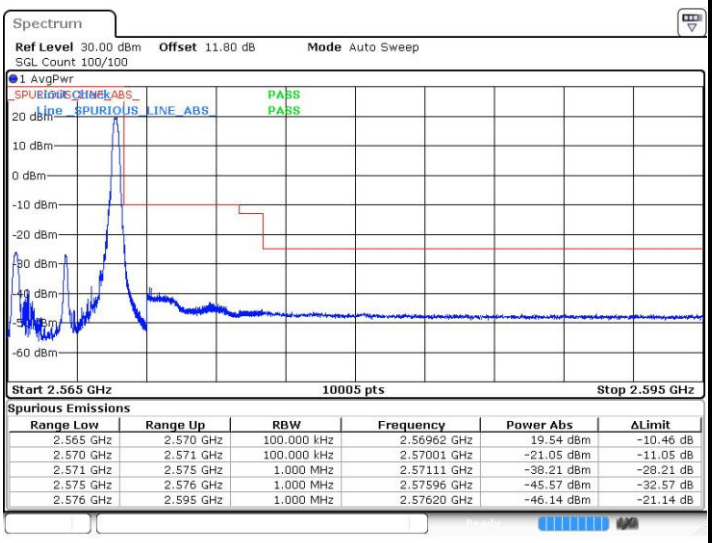
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56962 GHz	19.54 dBm	-10.46 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-21.05 dBm	-11.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-38.21 dBm	-28.21 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57596 GHz	-45.57 dBm	-32.57 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57620 GHz	-46.14 dBm	-21.14 dB

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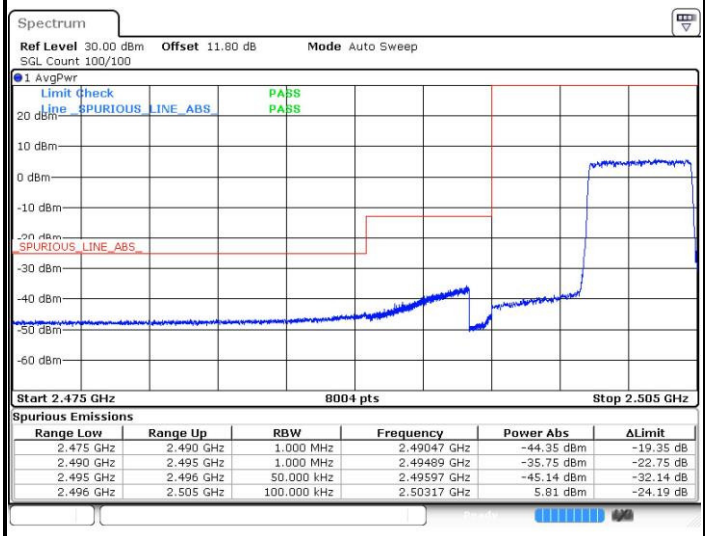
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-44.35 dBm	-19.35 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49489 GHz	-35.75 dBm	-22.75 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49597 GHz	-45.14 dBm	-32.14 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50317 GHz	5.81 dBm	-24.19 dB

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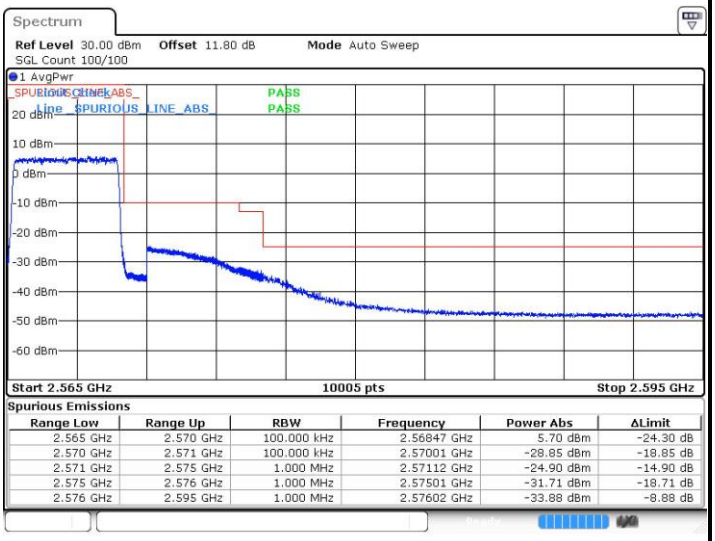
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56847 GHz	5.70 dBm	-24.30 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-28.85 dBm	-18.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-24.90 dBm	-14.90 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-31.71 dBm	-18.71 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57602 GHz	-33.88 dBm	-8.88 dB

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