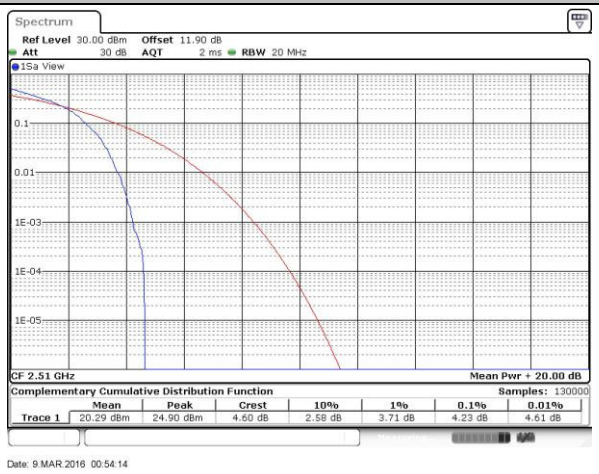
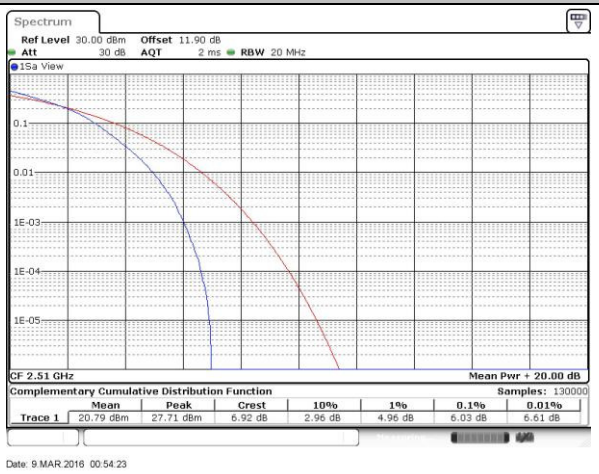
LTE Band 7 / 20MHz / 16QAM

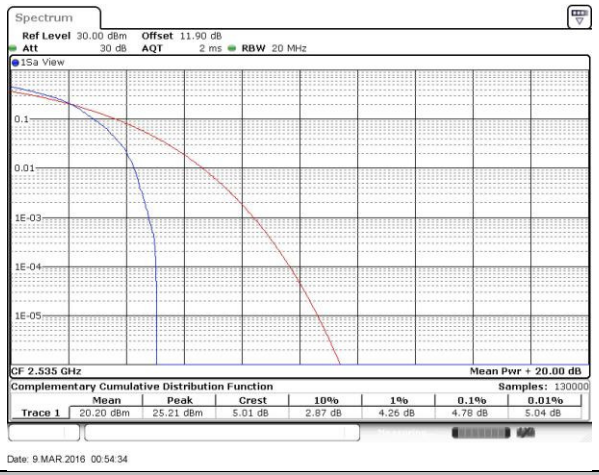
Lowest Channel / 1RB



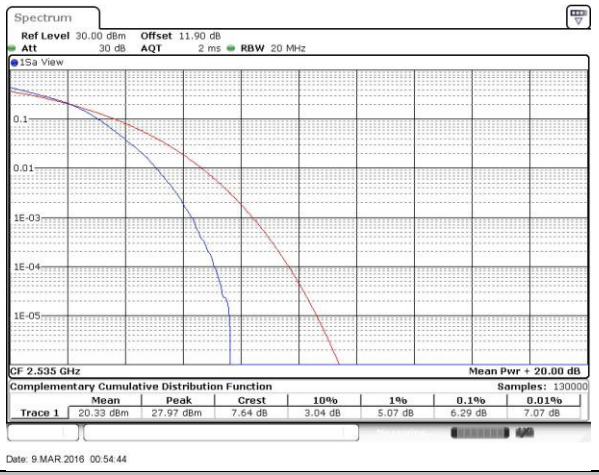
Lowest Channel / Full RB



Middle Channel / 1RB

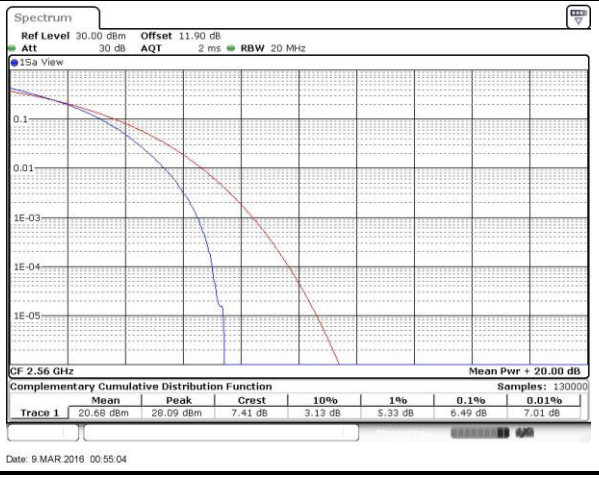


Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB

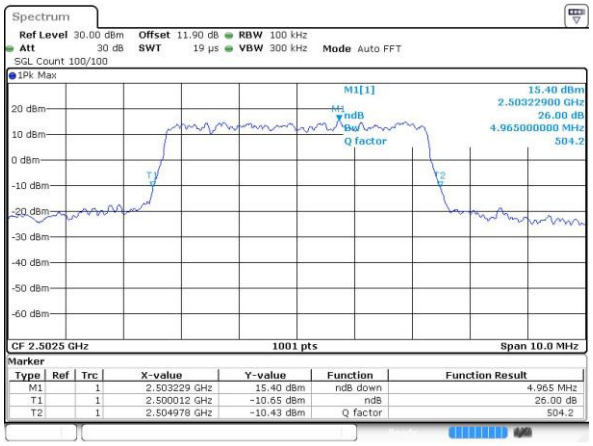


26dB Bandwidth

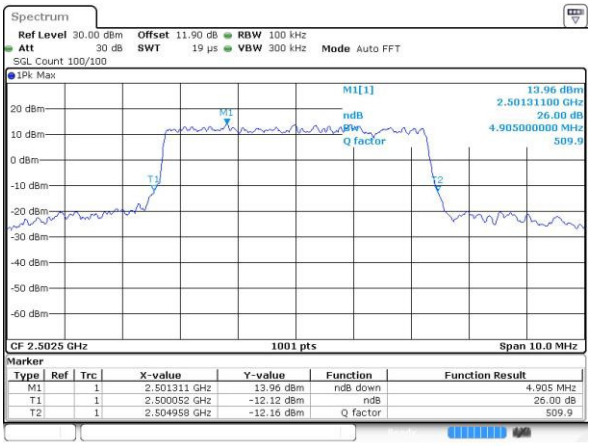
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.97	4.91	9.91	9.79	14.42	14.36	20.34	20.22
Middle CH	-	-	-	-	4.95	4.98	9.69	9.89	14.48	14.24	20.18	20.22
Highest CH	-	-	-	-	4.99	4.98	9.89	9.85	14.42	14.72	20.26	20.14

LTE Band 7

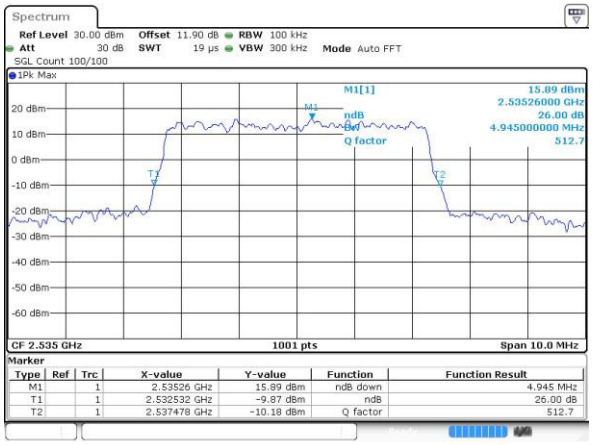
Lowest Channel / 5MHz / QPSK



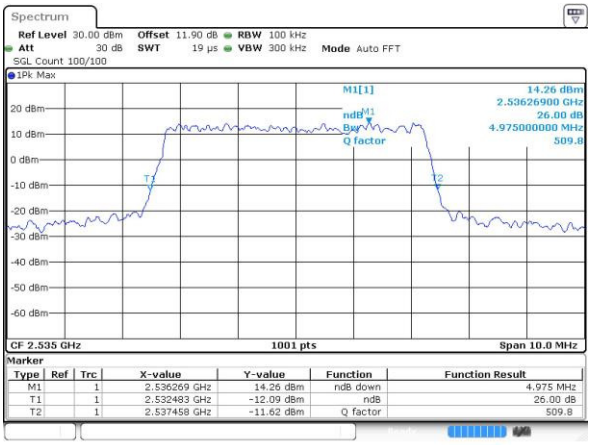
Lowest Channel / 5MHz / 16QAM



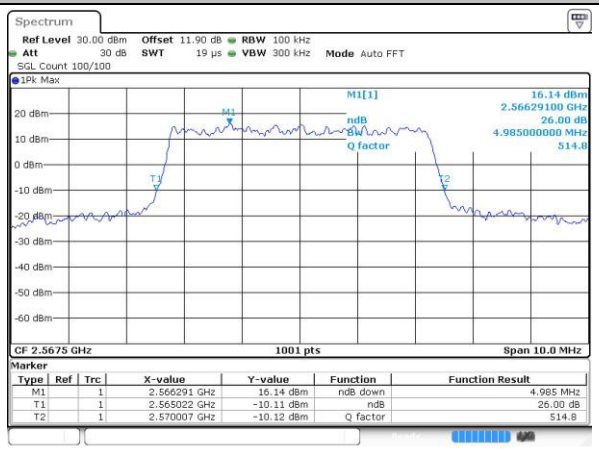
Middle Channel / 5MHz / QPSK



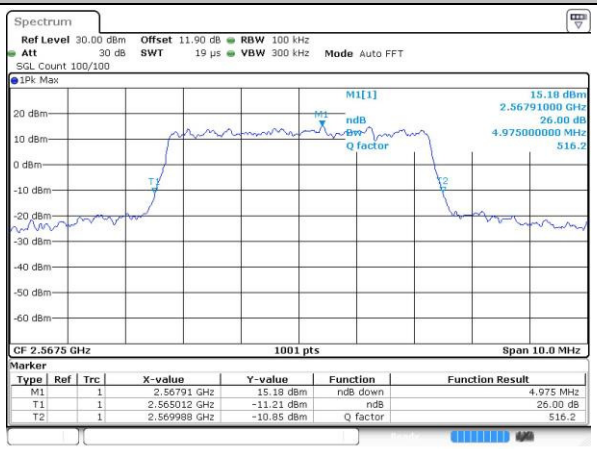
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

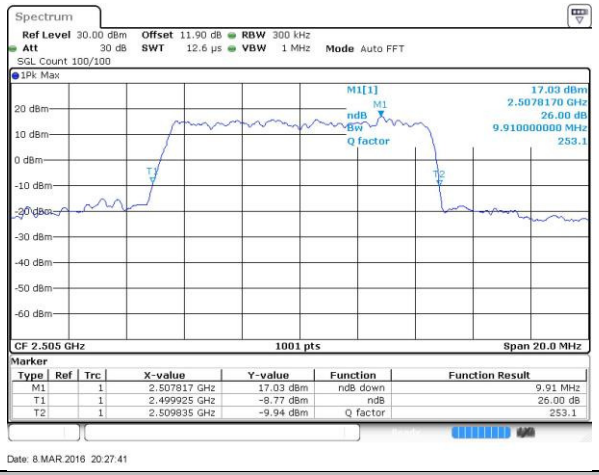


Highest Channel / 5MHz / 16QAM

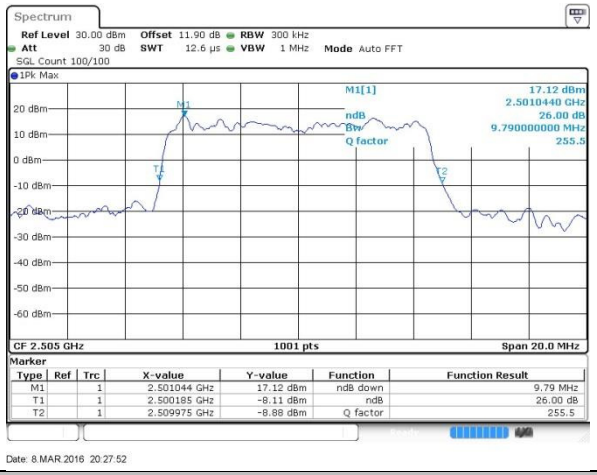


LTE Band 7

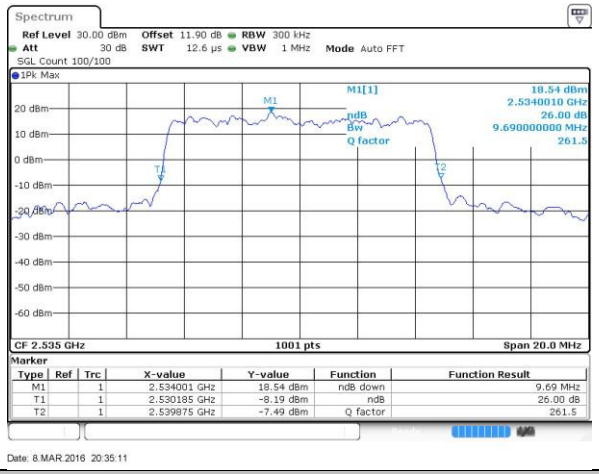
Lowest Channel / 10MHz / QPSK



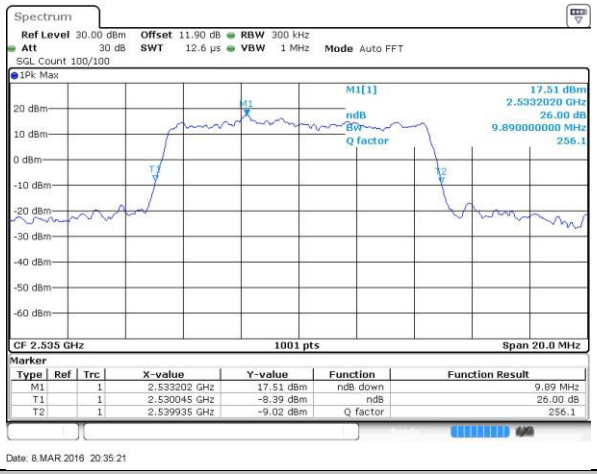
Lowest Channel / 10MHz / 16QAM



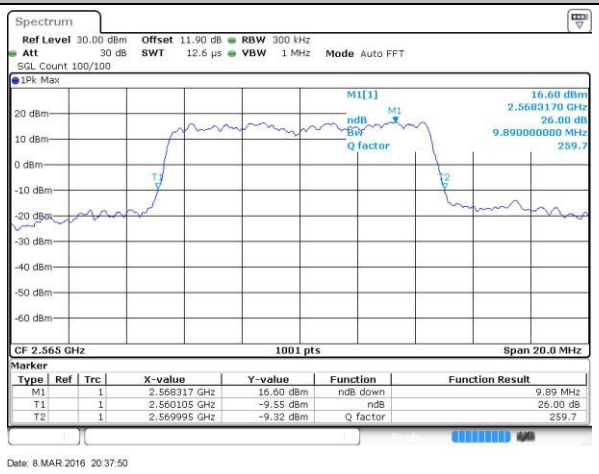
Middle Channel / 10MHz / QPSK



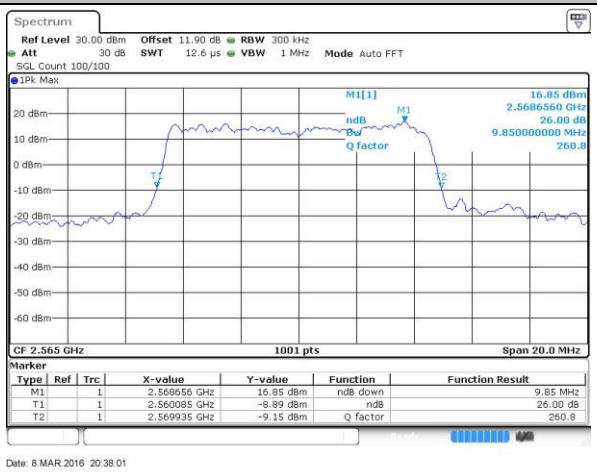
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

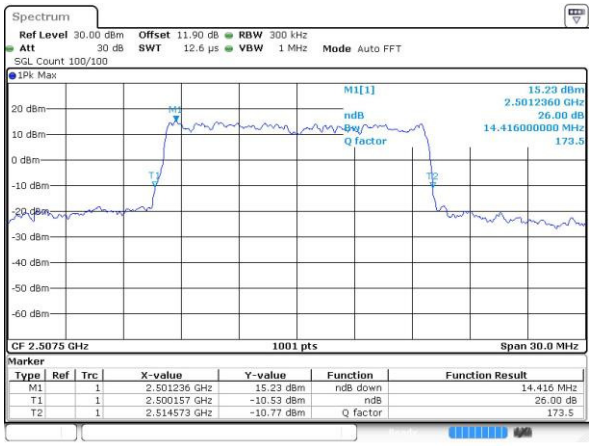


Highest Channel / 10MHz / 16QAM

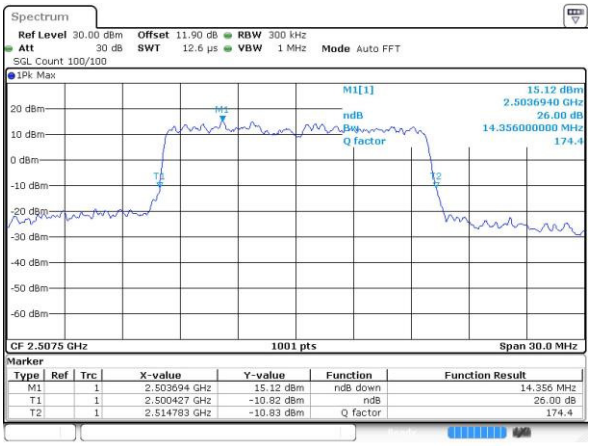


LTE Band 7

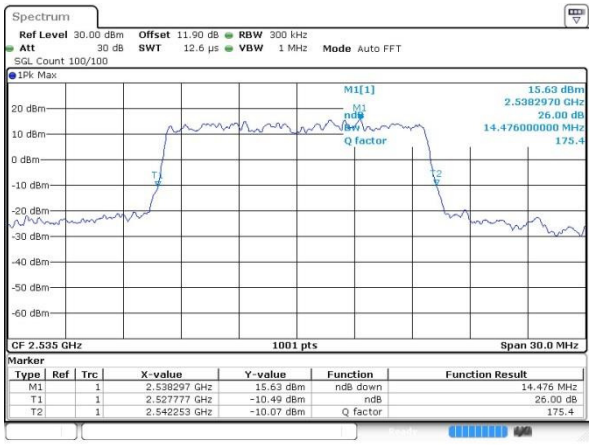
Lowest Channel / 15MHz / QPSK



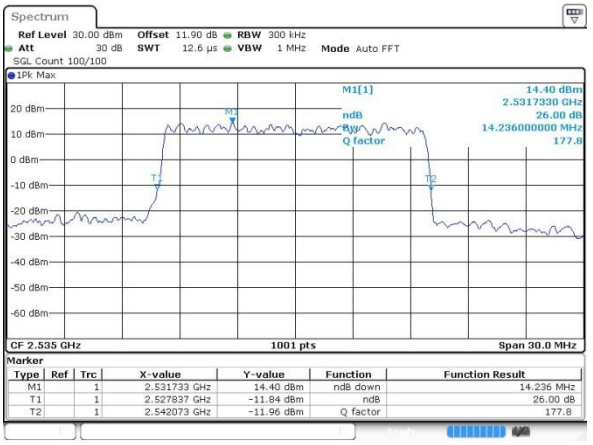
Lowest Channel / 15MHz / 16QAM



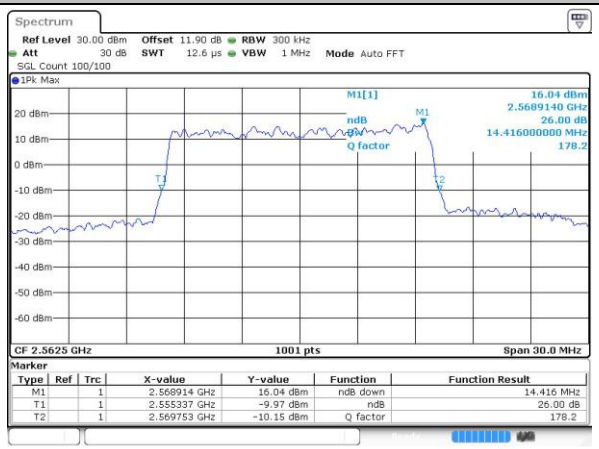
Middle Channel / 15MHz / QPSK



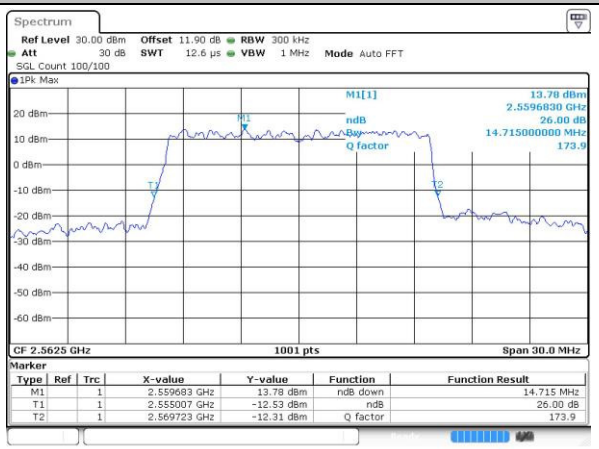
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

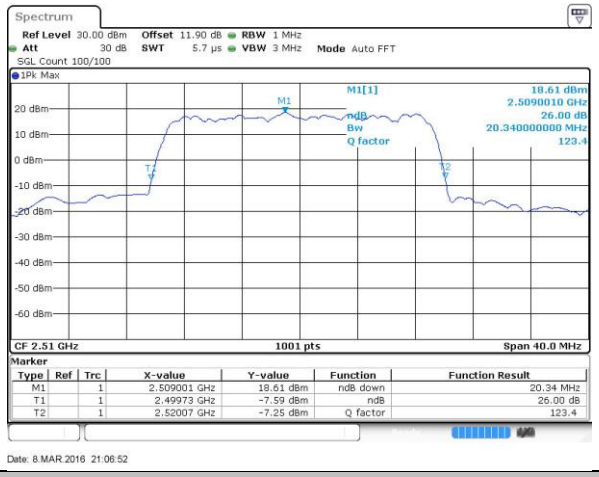


Highest Channel / 15MHz / 16QAM

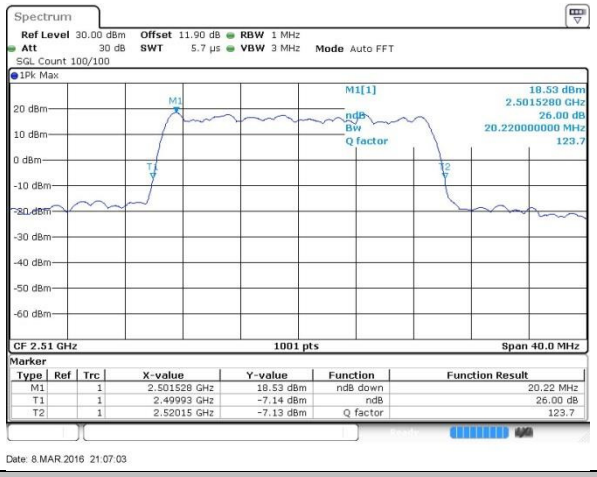


LTE Band 7

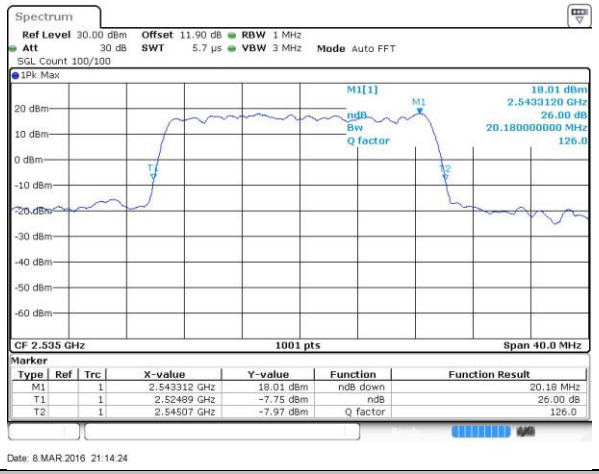
Lowest Channel / 20MHz / QPSK



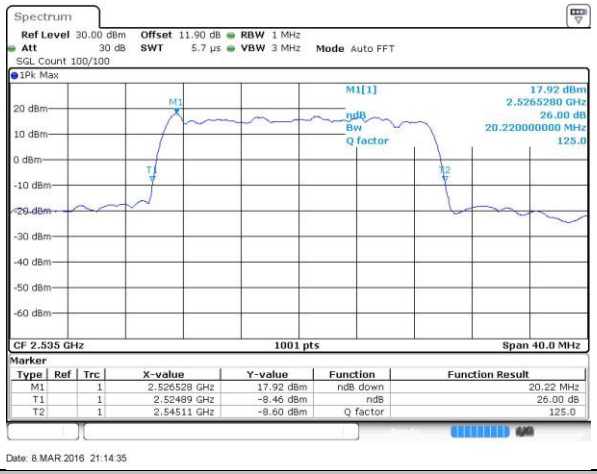
Lowest Channel / 20MHz / 16QAM



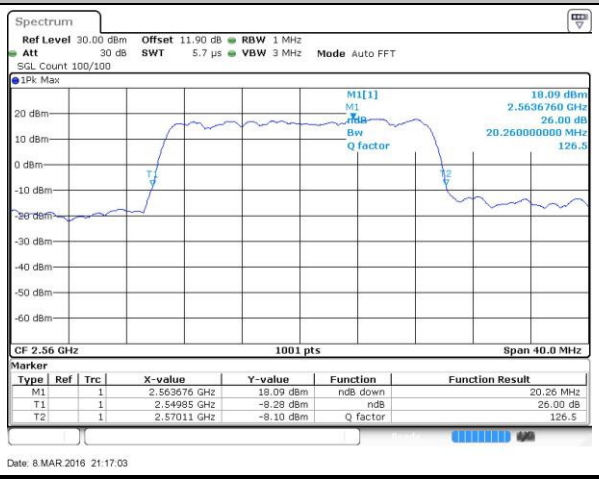
Middle Channel / 20MHz / QPSK



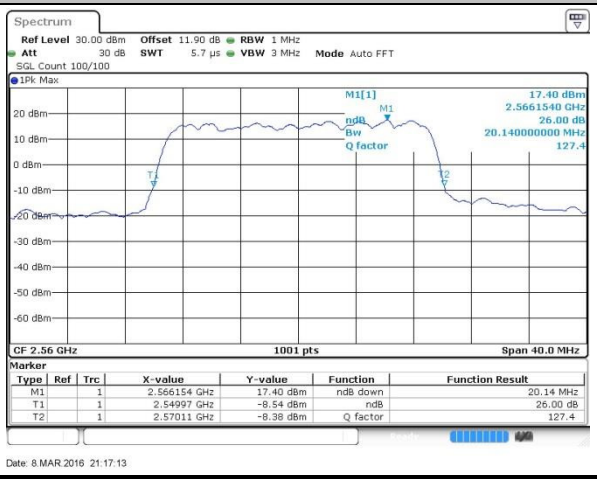
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

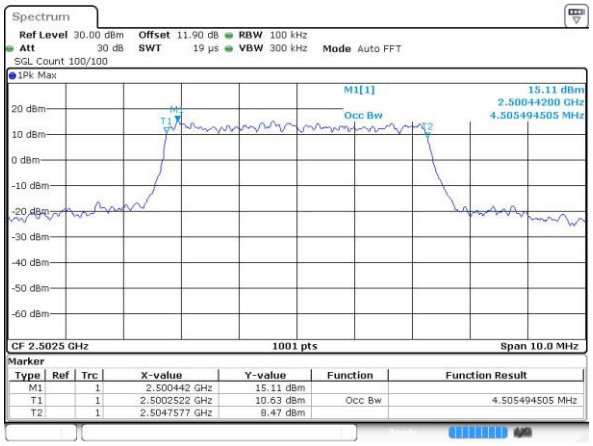


Occupied Bandwidth

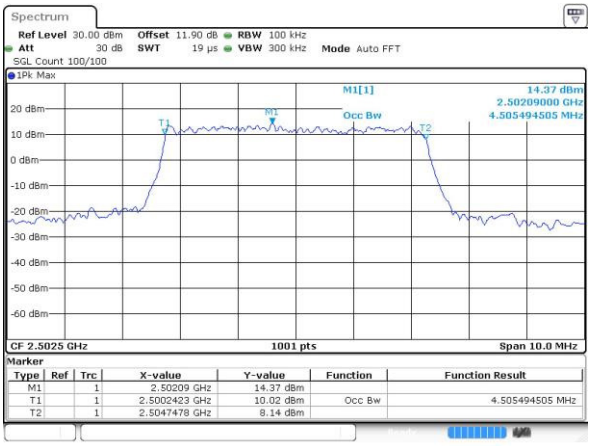
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.51	9.01	8.99	13.46	13.49	18.42	18.5
Middle CH	-	-	-	-	4.52	4.51	8.99	9.05	13.43	13.4	18.06	18.46
Highest CH	-	-	-	-	4.51	4.5	8.99	9.01	13.46	13.49	18.5	18.5

LTE Band 7

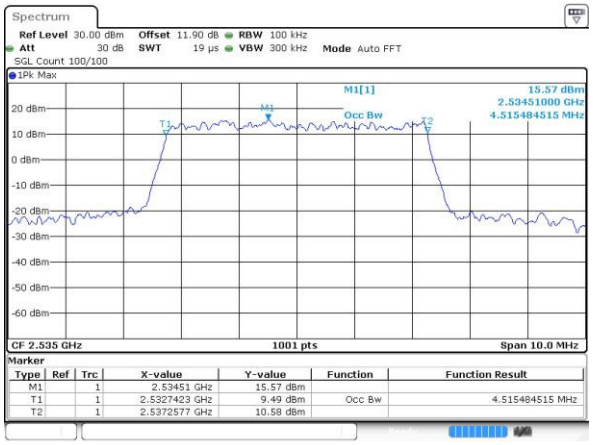
Lowest Channel / 5MHz / QPSK



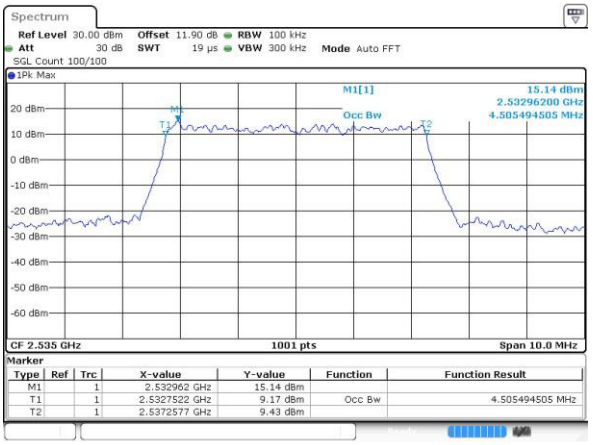
Lowest Channel / 5MHz / 16QAM



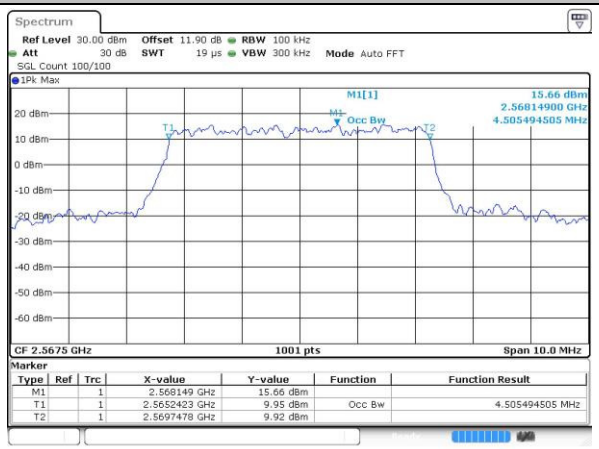
Middle Channel / 5MHz / QPSK



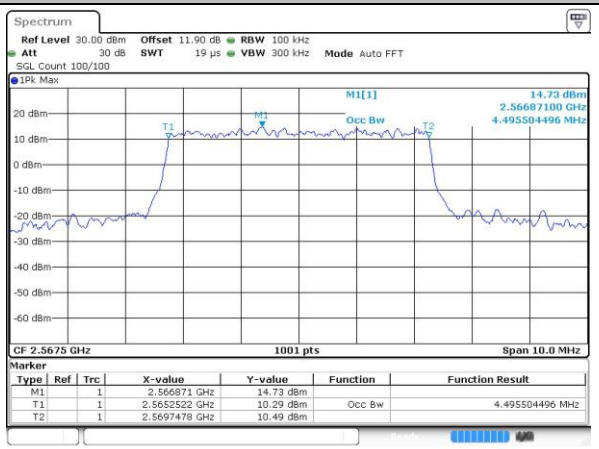
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

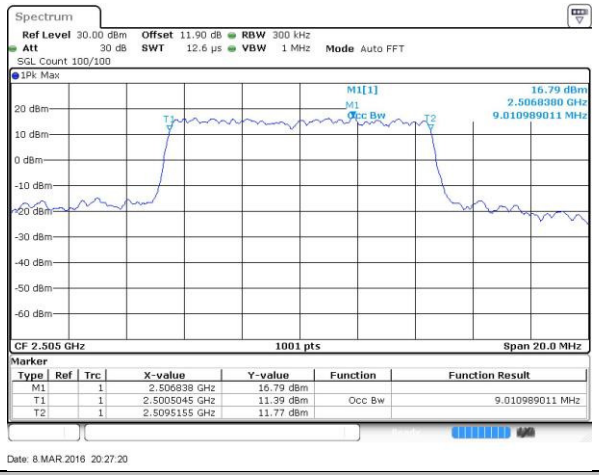


Highest Channel / 5MHz / 16QAM

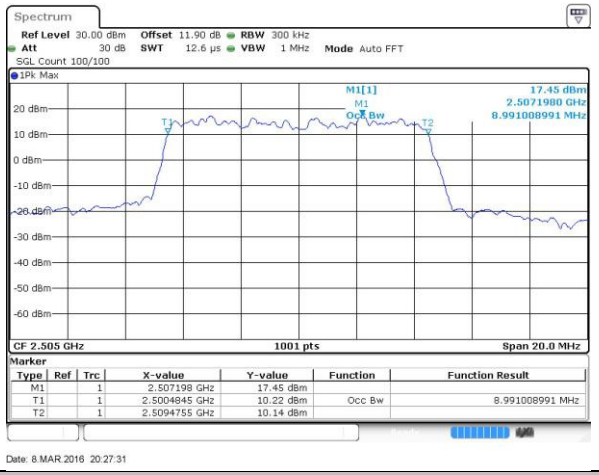


LTE Band 7

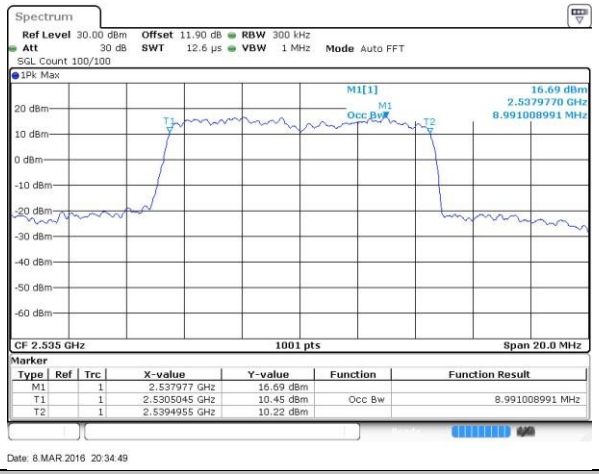
Lowest Channel / 10MHz / QPSK



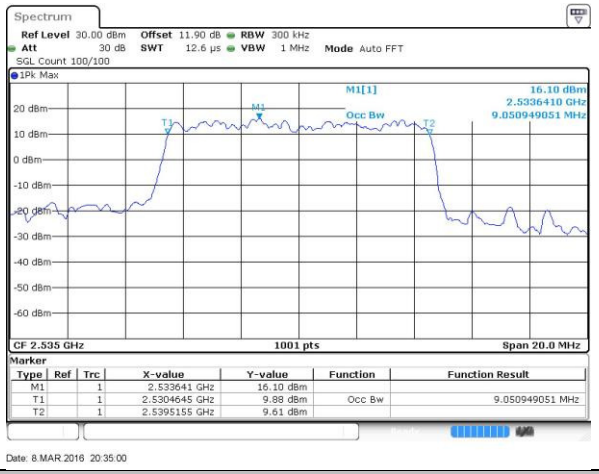
Lowest Channel / 10MHz / 16QAM



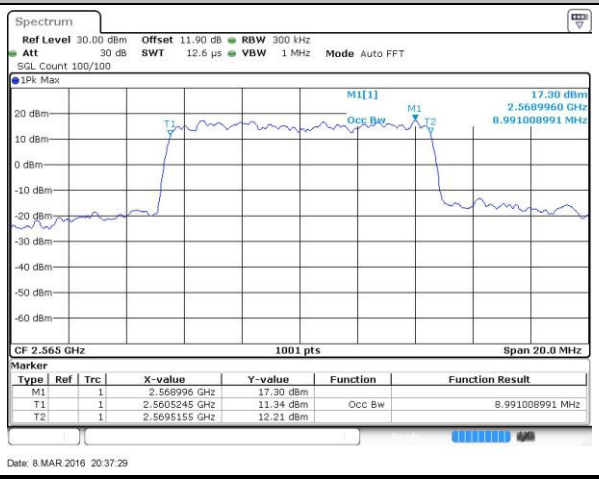
Middle Channel / 10MHz / QPSK



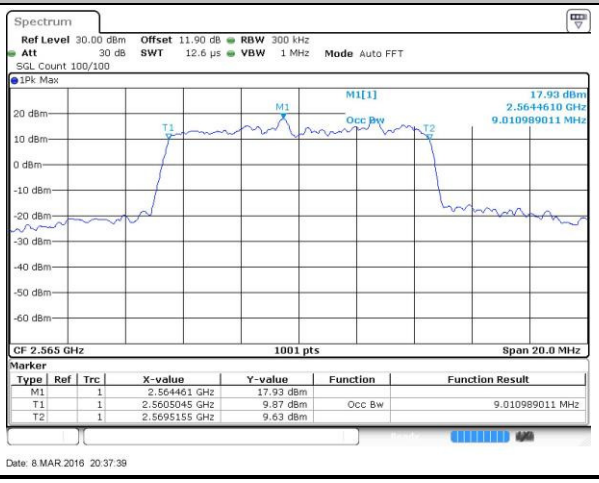
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

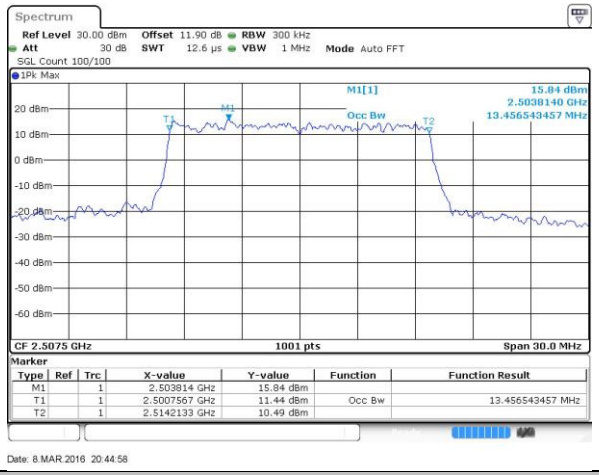


Highest Channel / 10MHz / 16QAM



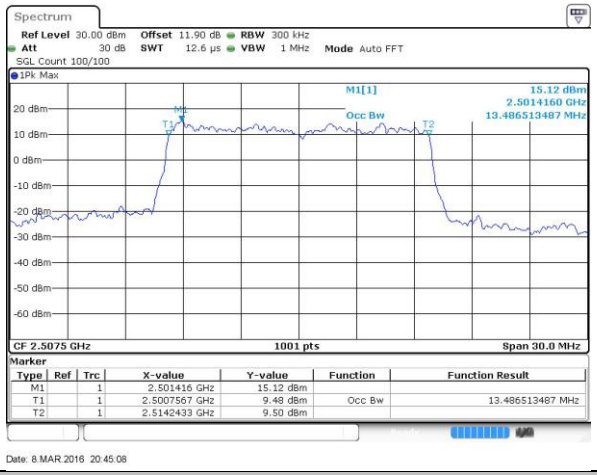
LTE Band 7

Lowest Channel / 15MHz / QPSK



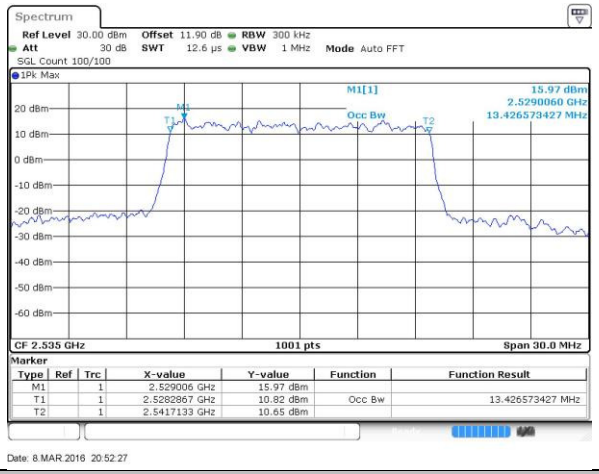
Date: 8.MAR.2016 20:44:58

Lowest Channel / 15MHz / 16QAM



Date: 8.MAR.2016 20:45:08

Middle Channel / 15MHz / QPSK



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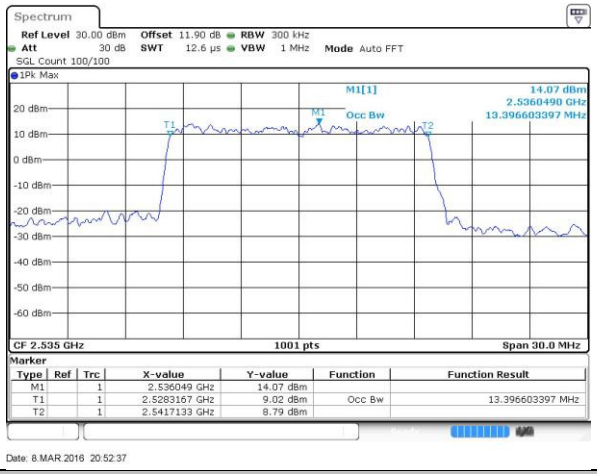
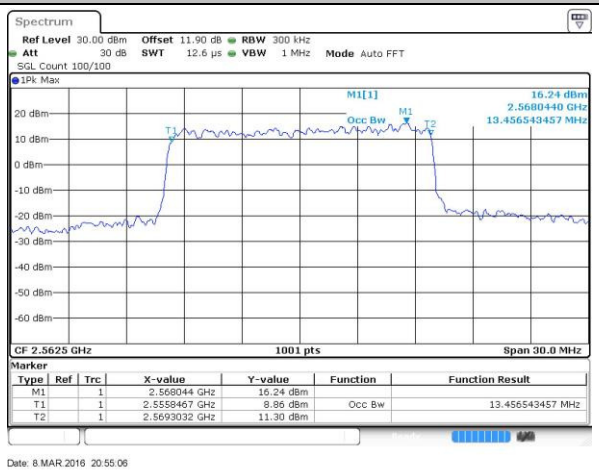
Middle Channel / 15MHz / 16QAM



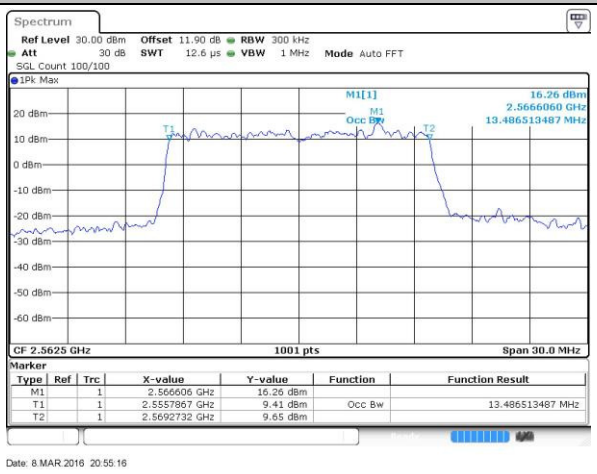
Date: 8.MAR.2016 20:52:37

Highest Channel / 15MHz / QPSK



Date: 8.MAR.2016 20:55:06

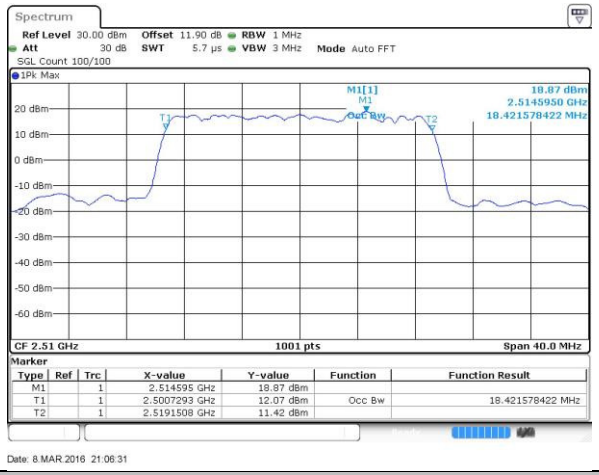
Highest Channel / 15MHz / 16QAM



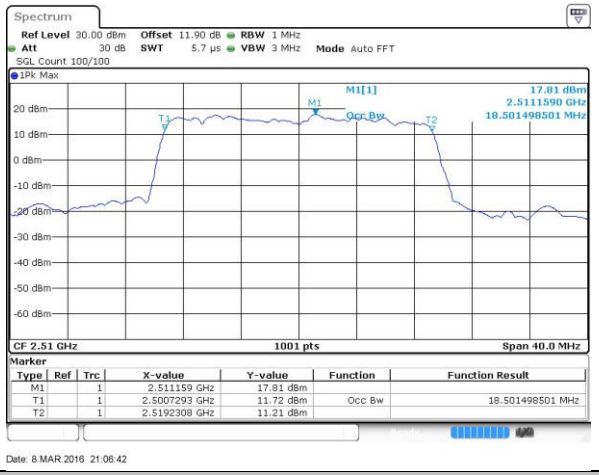
Date: 8.MAR.2016 20:55:16

LTE Band 7

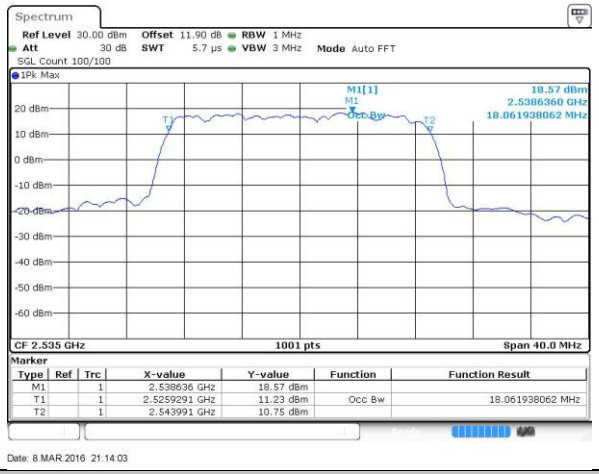
Lowest Channel / 20MHz / QPSK



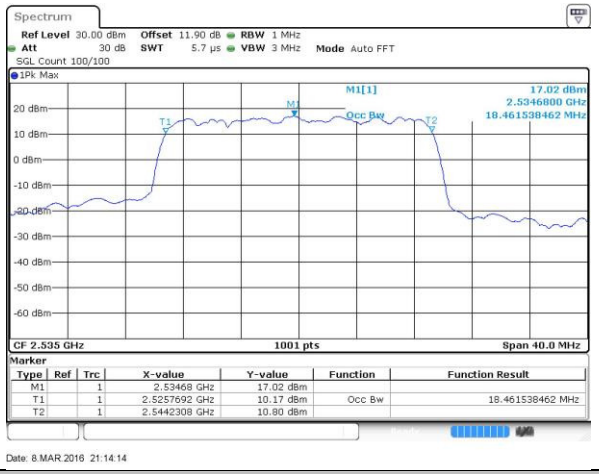
Lowest Channel / 20MHz / 16QAM



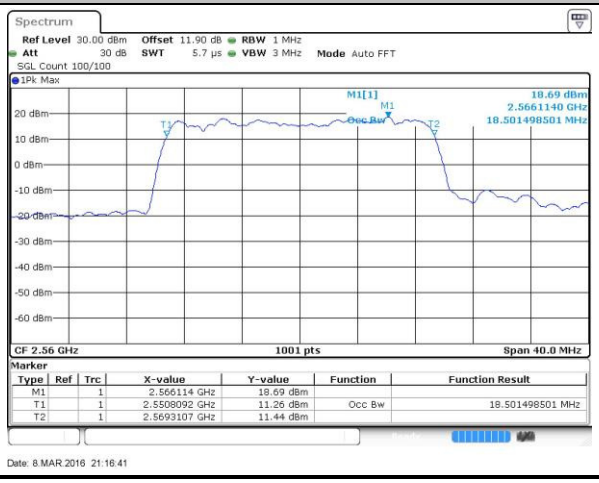
Middle Channel / 20MHz / QPSK



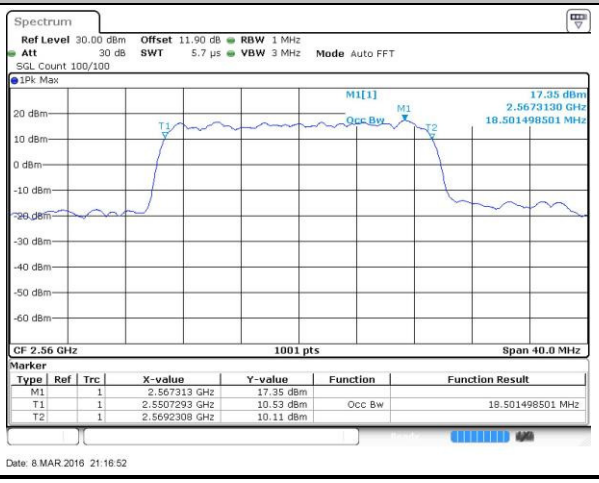
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



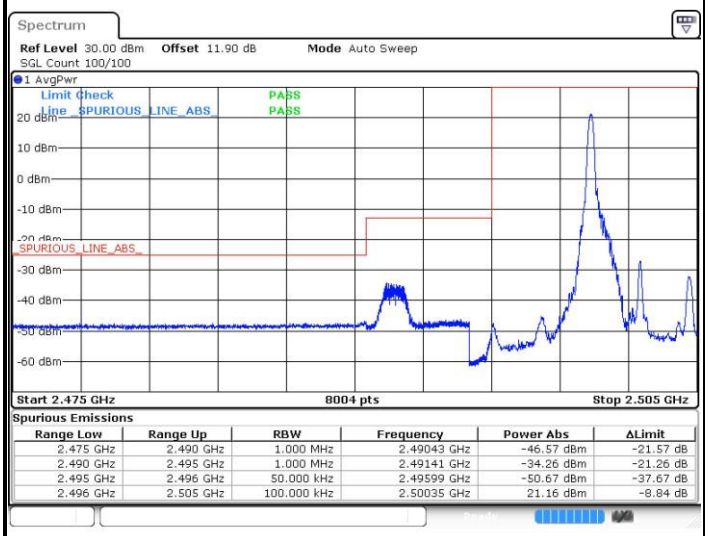
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

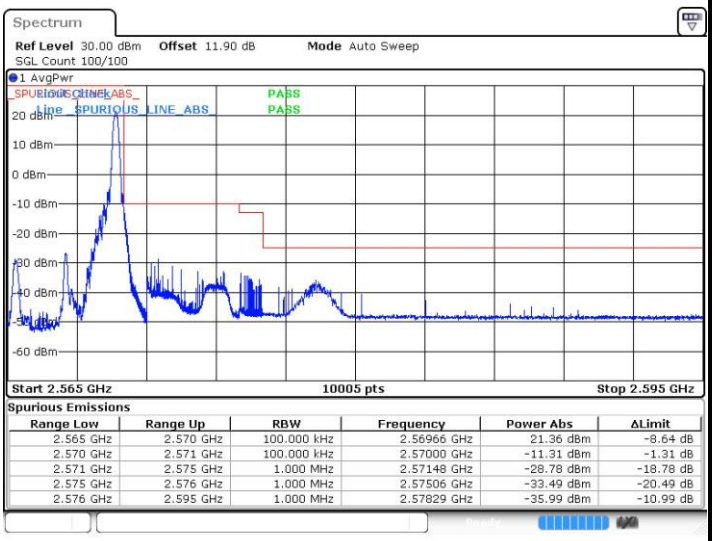


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-46.57 dBm	-21.57 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49141 GHz	-34.26 dBm	-21.26 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-50.67 dBm	-37.67 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	21.16 dBm	-8.84 dB

Date: 25.MAR.2016 20:30:33

Highest Band Edge / 1 RB

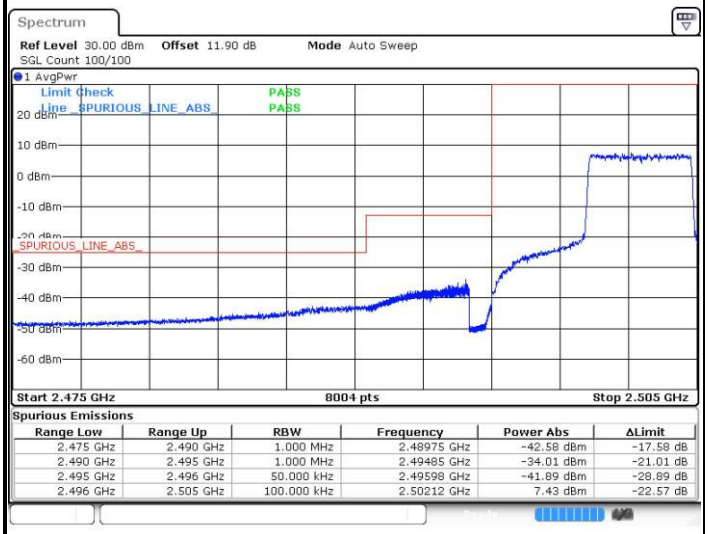


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	21.36 dBm	-8.64 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-11.31 dBm	-1.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57148 GHz	-28.78 dBm	-18.78 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57506 GHz	-33.49 dBm	-20.49 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57829 GHz	-35.99 dBm	-10.99 dB

Date: 25.MAR.2016 20:35:12

Lowest Band Edge / Full RB

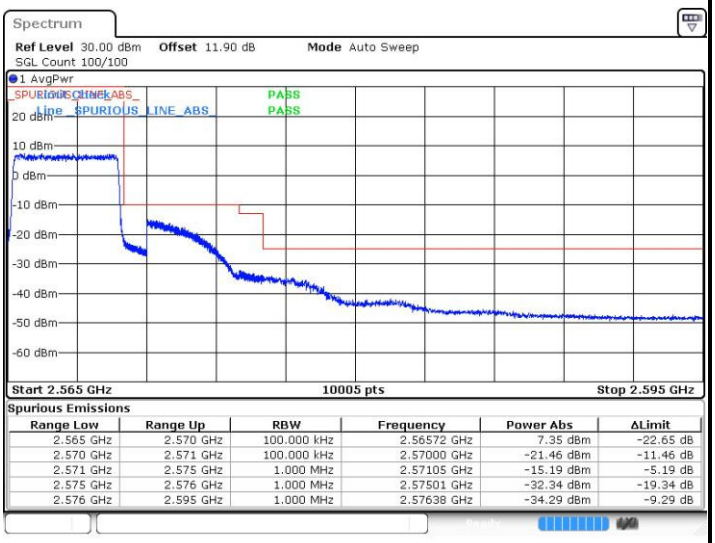


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-42.58 dBm	-17.58 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-34.01 dBm	-21.01 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49598 GHz	-41.89 dBm	-28.89 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50212 GHz	7.43 dBm	-22.57 dB

Date: 25.MAR.2016 20:32:52

Highest Band Edge / Full RB



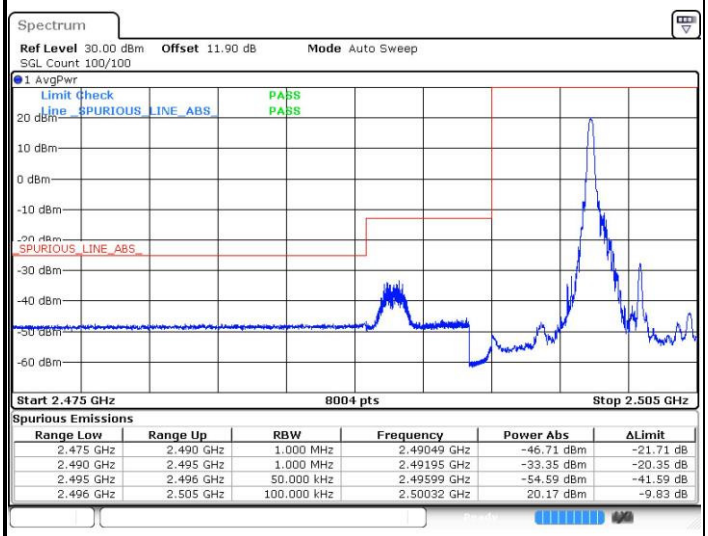
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56572 GHz	7.35 dBm	-22.65 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-21.46 dBm	-11.46 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-15.19 dBm	-5.19 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-32.34 dBm	-19.34 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57638 GHz	-34.29 dBm	-9.29 dB

Date: 25.MAR.2016 20:37:32

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

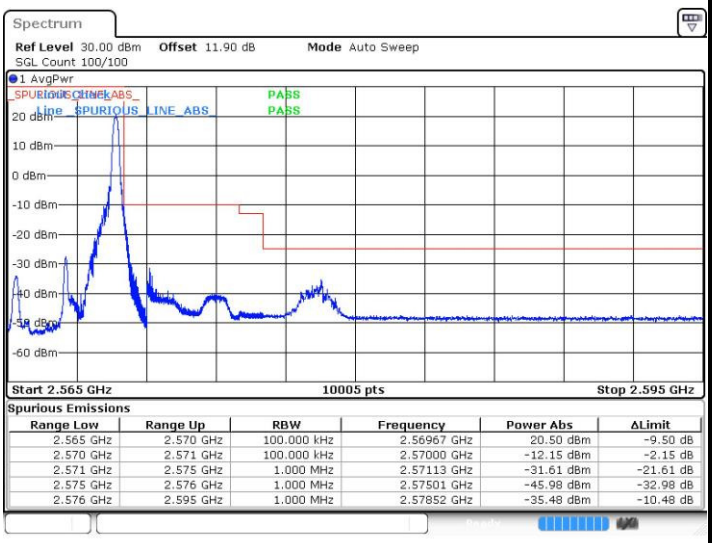


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-46.71 dBm	-21.71 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49195 GHz	-33.35 dBm	-20.35 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-54.59 dBm	-41.59 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50032 GHz	20.17 dBm	-9.83 dB

Date: 25.MAR.2016 20:31:43

Highest Band Edge / 1 RB

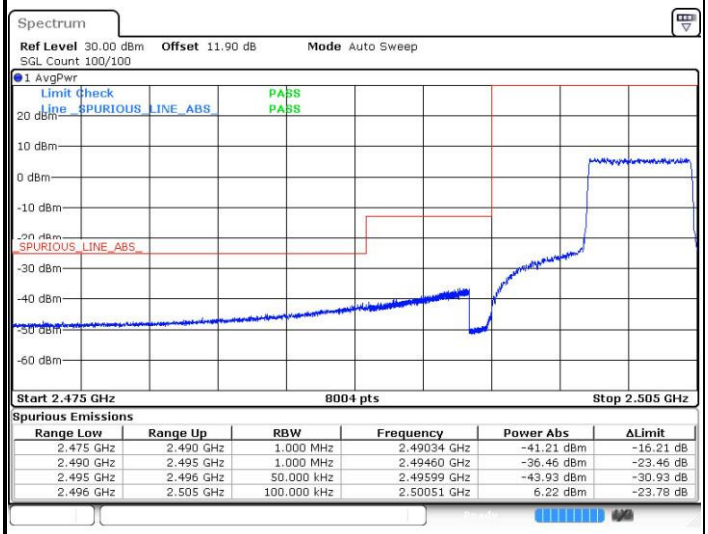


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	20.50 dBm	-9.50 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-12.15 dBm	-2.15 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-31.61 dBm	-21.61 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-45.98 dBm	-32.98 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57852 GHz	-35.48 dBm	-10.48 dB

Date: 25.MAR.2016 20:36:22

Lowest Band Edge / Full RB

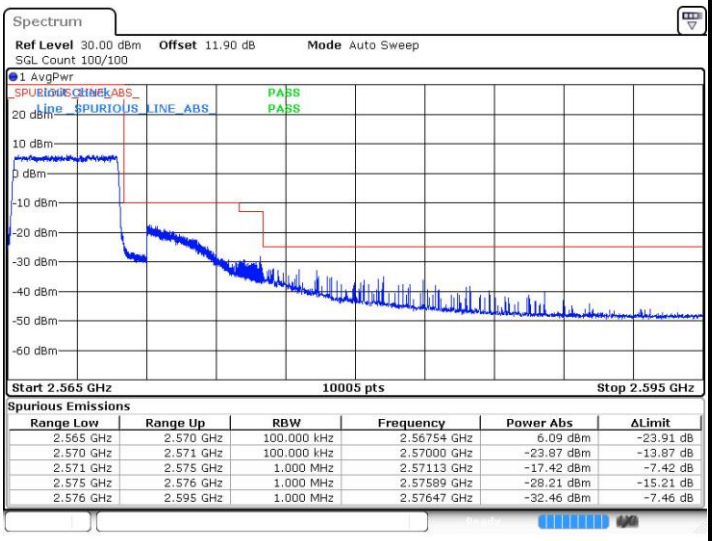


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-41.21 dBm	-16.21 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49460 GHz	-36.46 dBm	-23.46 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-43.93 dBm	-30.93 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50051 GHz	6.22 dBm	-23.78 dB

Date: 25.MAR.2016 20:34:02

Highest Band Edge / Full RB



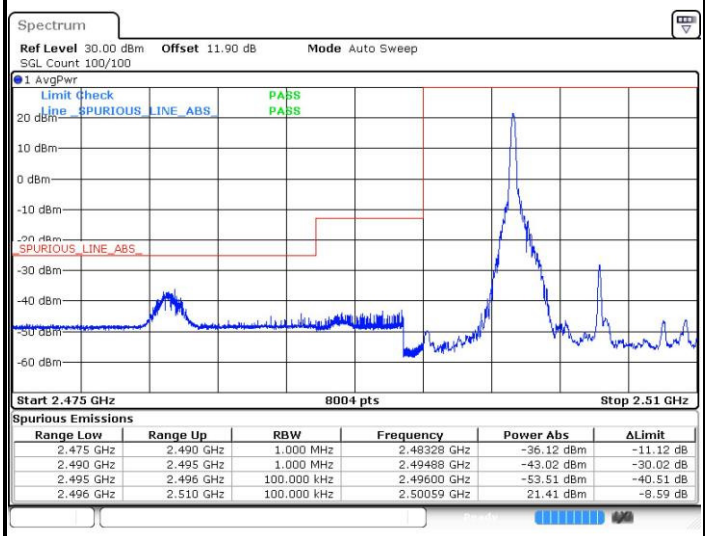
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56754 GHz	6.09 dBm	-23.91 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-23.87 dBm	-13.87 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-17.42 dBm	-7.42 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57589 GHz	-28.21 dBm	-15.21 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57647 GHz	-32.46 dBm	-7.46 dB

Date: 25.MAR.2016 20:38:42

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

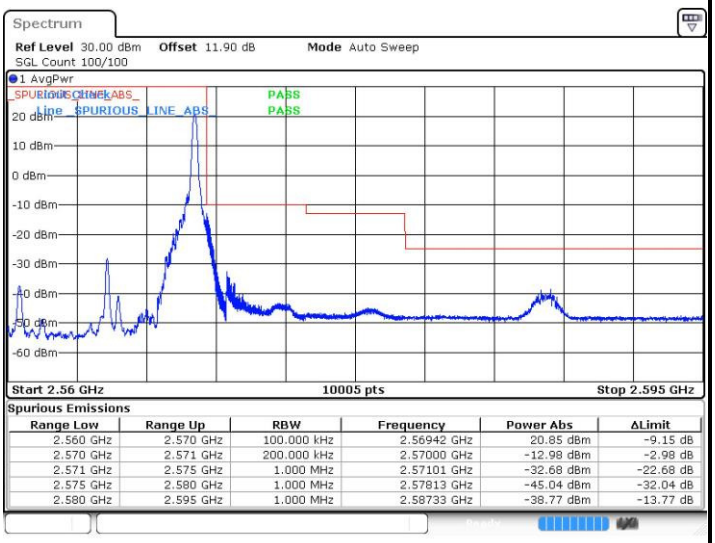


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48328 GHz	-36.12 dBm	-11.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-43.02 dBm	-30.02 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-53.51 dBm	-40.51 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	21.41 dBm	-8.59 dB

Date: 25.MAR.2016 20:39:52

Highest Band Edge / 1 RB

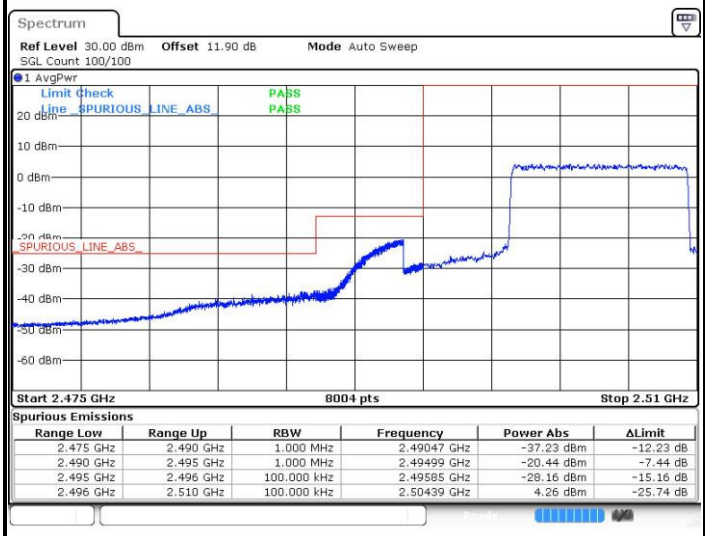


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	20.85 dBm	-9.15 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-12.98 dBm	-2.98 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-32.68 dBm	-22.68 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57813 GHz	-45.04 dBm	-32.04 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58733 GHz	-38.77 dBm	-13.77 dB

Date: 25.MAR.2016 20:44:31

Lowest Band Edge / Full RB

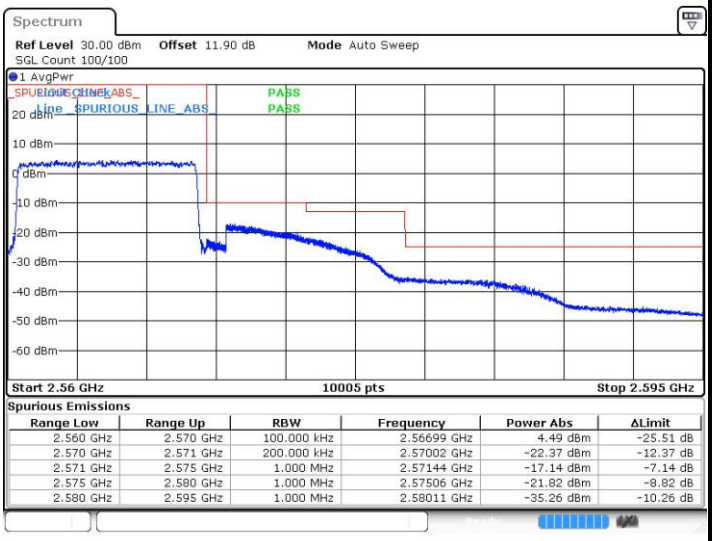


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-37.23 dBm	-12.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-20.44 dBm	-7.44 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49585 GHz	-28.16 dBm	-15.16 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50439 GHz	4.26 dBm	-25.74 dB

Date: 25.MAR.2016 20:42:11

Highest Band Edge / Full RB



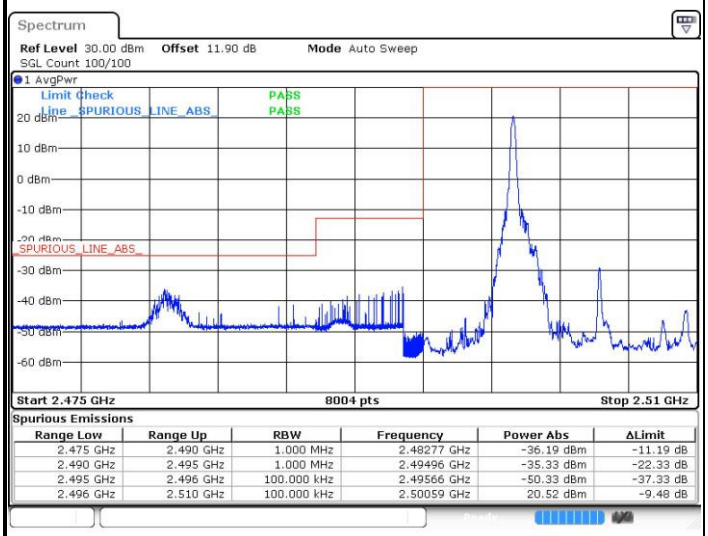
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56699 GHz	4.49 dBm	-25.51 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-22.37 dBm	-12.37 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57144 GHz	-17.14 dBm	-7.14 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57506 GHz	-21.82 dBm	-8.82 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58011 GHz	-35.26 dBm	-10.26 dB

Date: 25.MAR.2016 20:46:51

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

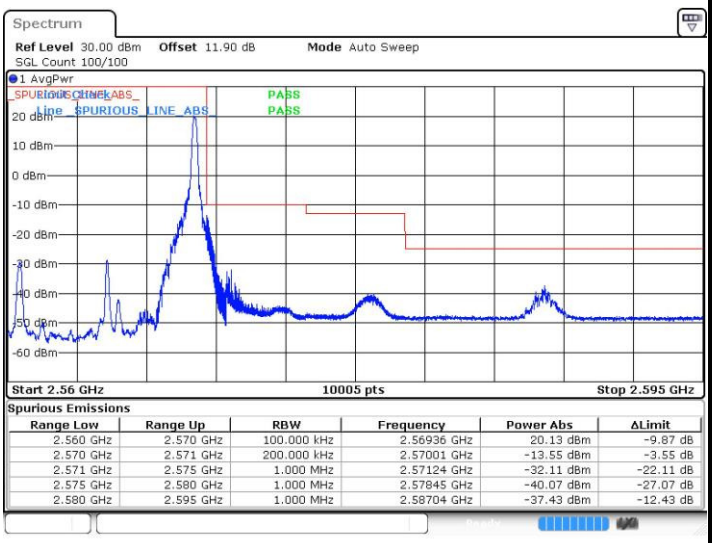


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48277 GHz	-36.19 dBm	-11.19 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-35.33 dBm	-22.33 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49566 GHz	-50.33 dBm	-37.33 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	20.52 dBm	-9.48 dB

Date: 25.MAR.2016 20:41:02

Highest Band Edge / 1 RB

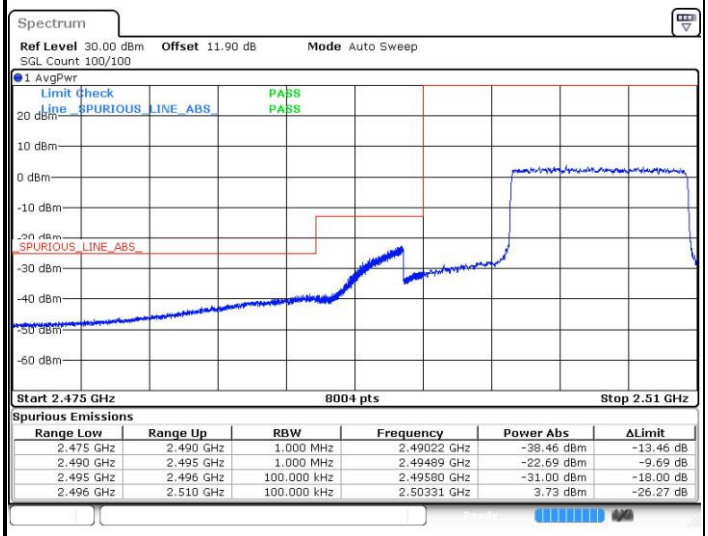


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56936 GHz	20.13 dBm	-9.87 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-13.55 dBm	-3.55 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57124 GHz	-32.11 dBm	-22.11 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57845 GHz	-40.07 dBm	-27.07 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58704 GHz	-37.43 dBm	-12.43 dB

Date: 25.MAR.2016 20:45:41

Lowest Band Edge / Full RB

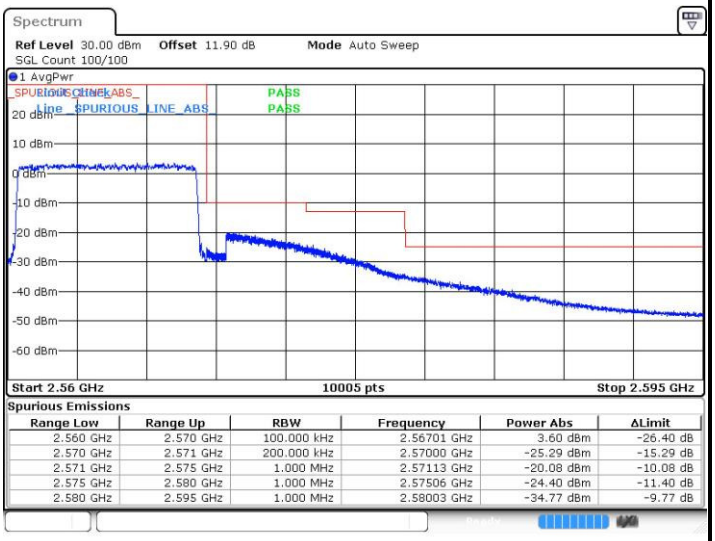


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-38.46 dBm	-13.46 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49489 GHz	-22.69 dBm	-9.69 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49580 GHz	-31.00 dBm	-18.00 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50331 GHz	3.73 dBm	-26.27 dB

Date: 25.MAR.2016 20:43:21

Highest Band Edge / Full RB



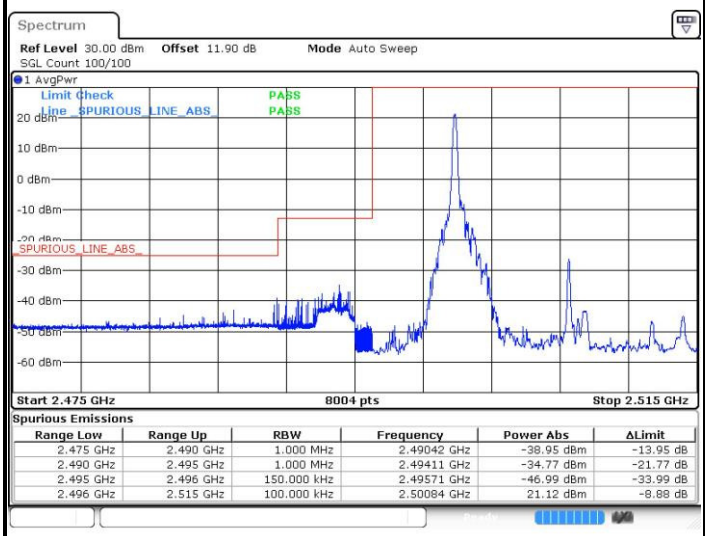
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56701 GHz	3.60 dBm	-26.40 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-25.29 dBm	-15.29 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-20.08 dBm	-10.08 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57506 GHz	-24.40 dBm	-11.40 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58003 GHz	-34.77 dBm	-9.77 dB

Date: 25.MAR.2016 20:48:01

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

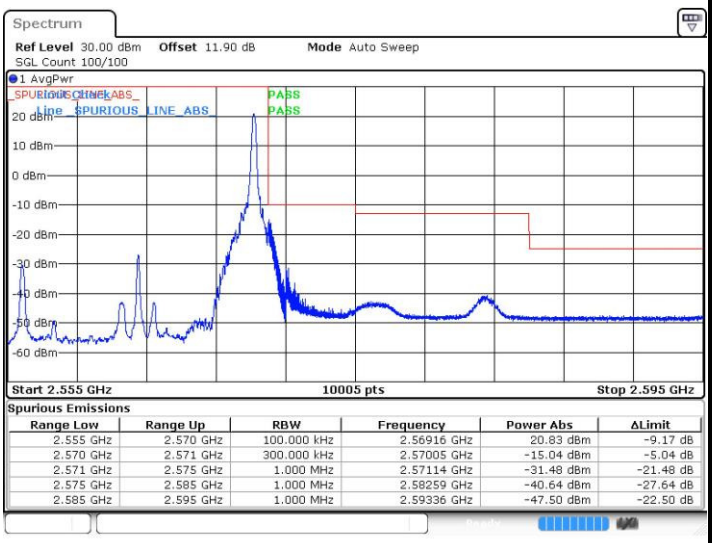


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-38.95 dBm	-13.95 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49411 GHz	-34.77 dBm	-21.77 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49571 GHz	-46.99 dBm	-33.99 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	21.12 dBm	-8.88 dB

Date: 25.MAR.2016 18:10:54

Highest Band Edge / 1 RB

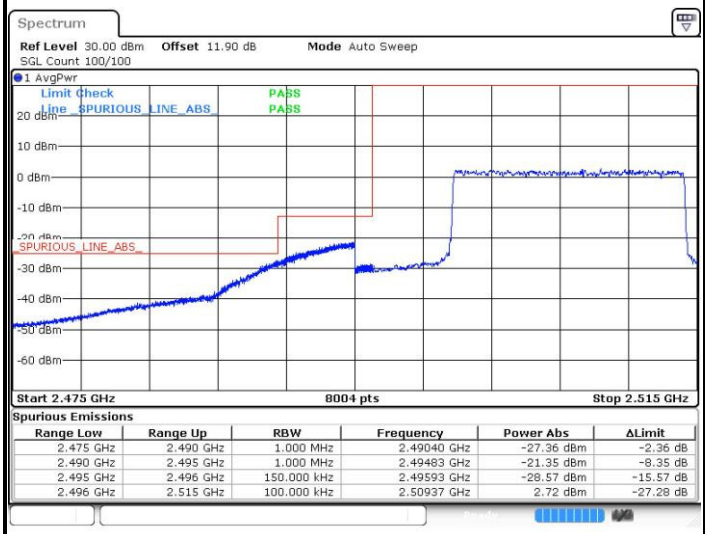


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	20.83 dBm	-9.17 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-15.04 dBm	-5.04 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-31.48 dBm	-21.48 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58259 GHz	-40.64 dBm	-27.64 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59336 GHz	-47.50 dBm	-22.50 dB

Date: 25.MAR.2016 18:15:33

Lowest Band Edge / Full RB

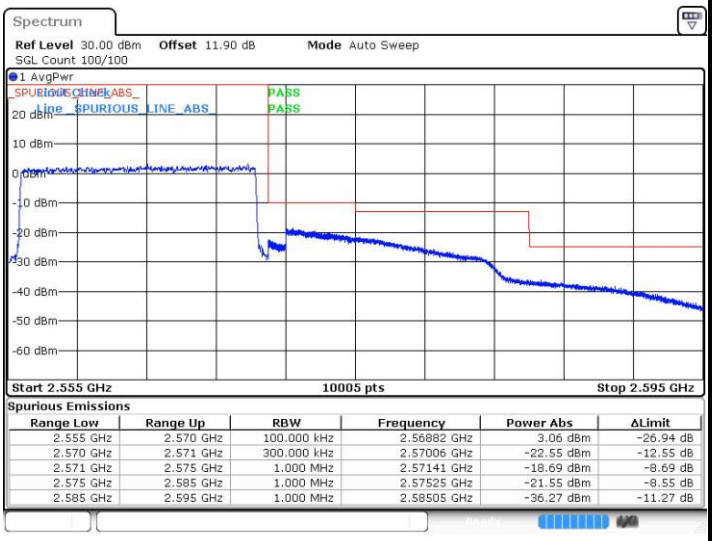


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-27.36 dBm	-2.36 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-21.35 dBm	-8.35 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49593 GHz	-28.57 dBm	-15.57 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50937 GHz	2.72 dBm	-27.28 dB

Date: 25.MAR.2016 18:13:14

Highest Band Edge / Full RB



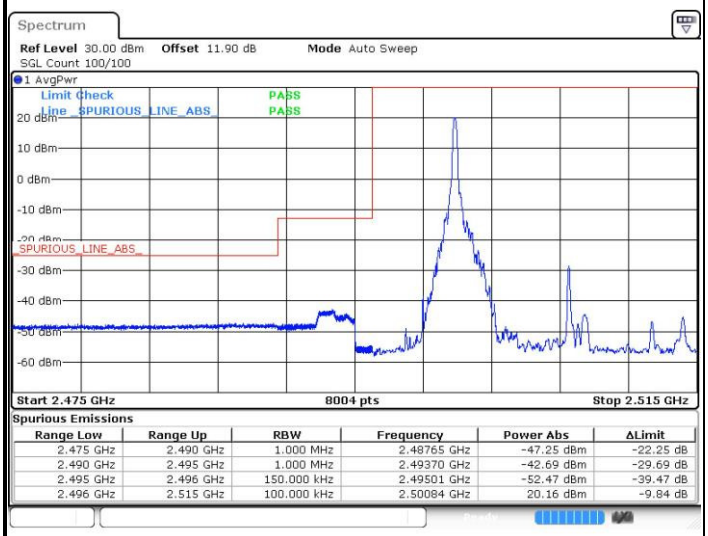
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56882 GHz	3.06 dBm	-26.94 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57006 GHz	-22.55 dBm	-12.55 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57141 GHz	-18.69 dBm	-8.69 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57525 GHz	-21.55 dBm	-8.55 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-36.27 dBm	-11.27 dB

Date: 25.MAR.2016 18:17:54

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

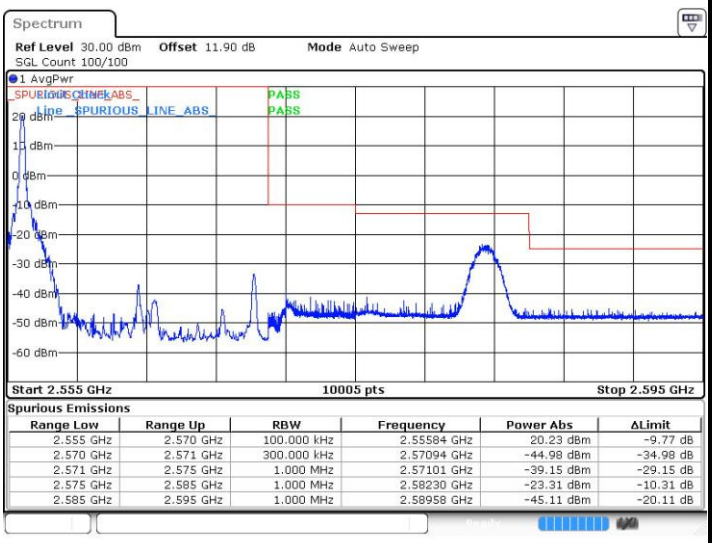


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48765 GHz	-47.25 dBm	-22.25 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49370 GHz	-42.69 dBm	-29.69 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49501 GHz	-52.47 dBm	-39.47 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	20.16 dBm	-9.84 dB

Date: 25.MAR.2016 18:12:04

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55584 GHz	20.23 dBm	-9.77 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57094 GHz	-44.98 dBm	-34.98 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-39.15 dBm	-29.15 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58230 GHz	-23.31 dBm	-10.31 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58958 GHz	-45.11 dBm	-20.11 dB

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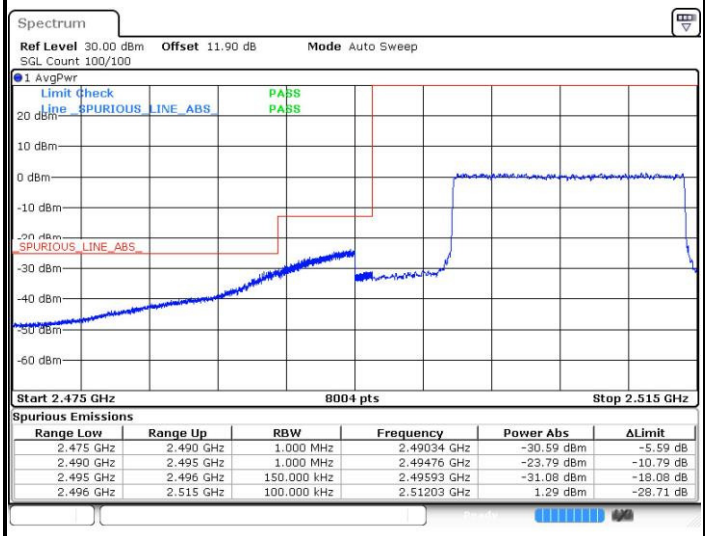
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49034 GHz	-30.59 dBm	-5.59 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49476 GHz	-23.79 dBm	-10.79 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49593 GHz	-31.08 dBm	-18.08 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.51203 GHz	1.29 dBm	-28.71 dB

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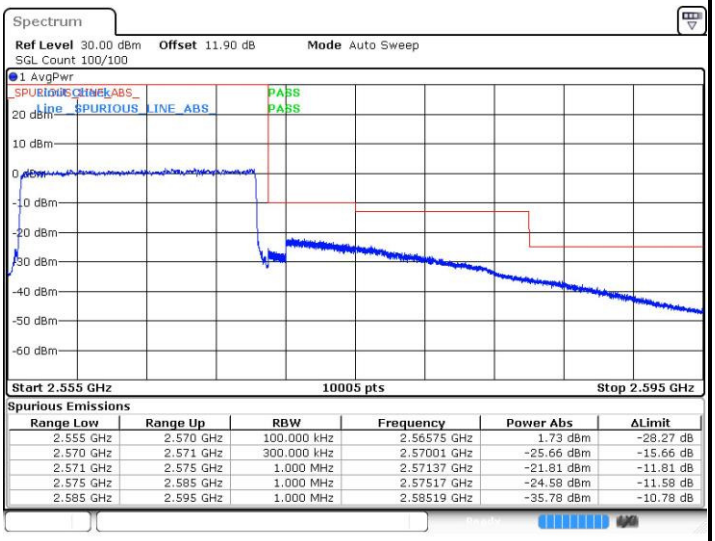
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56575 GHz	1.73 dBm	-28.27 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-25.66 dBm	-15.66 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57137 GHz	-21.81 dBm	-11.81 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57517 GHz	-24.58 dBm	-11.58 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58519 GHz	-35.78 dBm	-10.78 dB

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