LTE Band 7_CA

26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.23	30.69	34.76
Middle CH	29.79	25.12	30.51	34.97
Highest CH	29.85	25.07	30.75	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	30.21	34.83	39.88	-
Middle CH	30.03	34.97	39.80	-
Highest CH	30.03	35.03	39.88	-

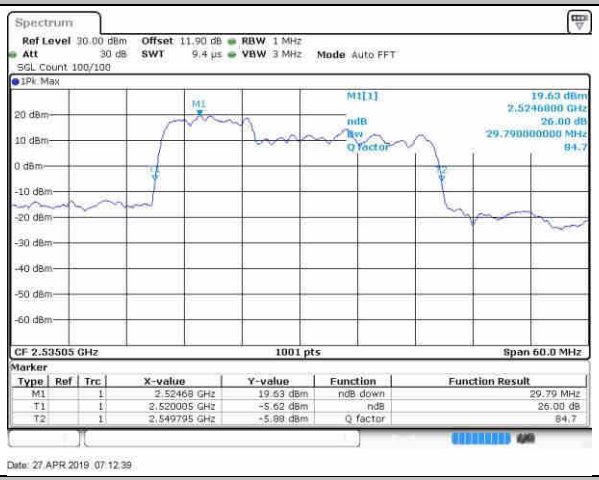
Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.12	30.63	34.90
Middle CH	29.91	25.23	30.51	34.83
Highest CH	29.79	25.23	30.63	35.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	29.91	34.83	39.88	-
Middle CH	30.09	34.90	39.80	-
Highest CH	30.15	34.97	39.88	-

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.18	30.51	34.83
Middle CH	29.73	25.32	30.57	34.76
Highest CH	30.03	25.12	30.51	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	30.09	34.90	39.72	-
Middle CH	30.03	34.83	39.80	-
Highest CH	30.09	34.90	39.72	-

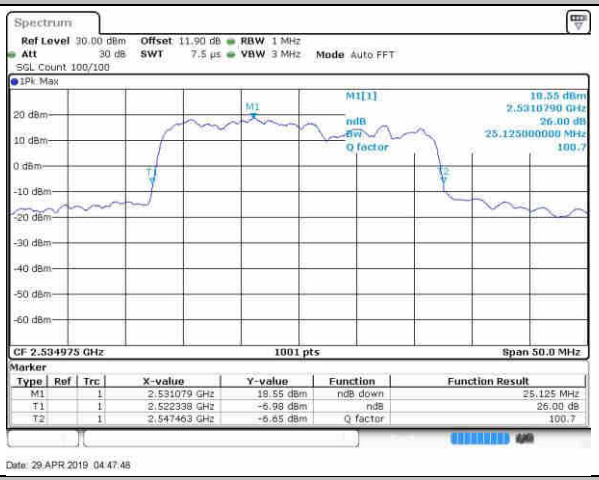
LTE Band 7

QPSK

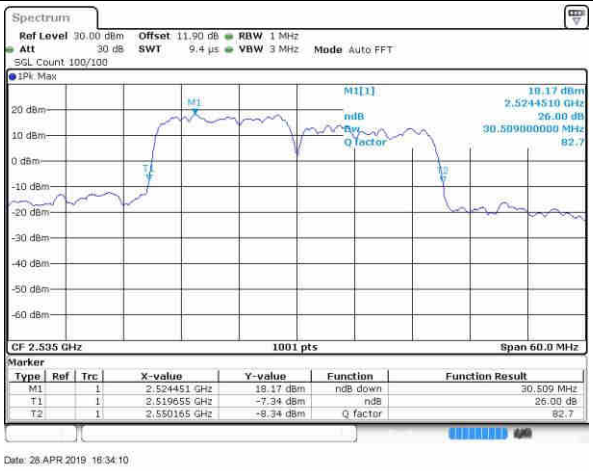
Middle Channel / 10MHz+20MHz



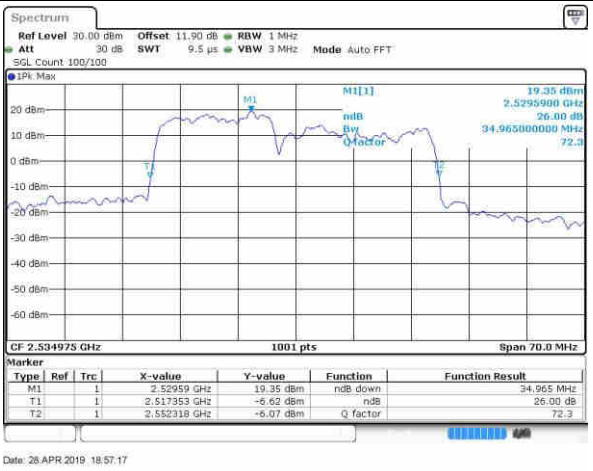
Middle Channel / 15MHz+10MHz



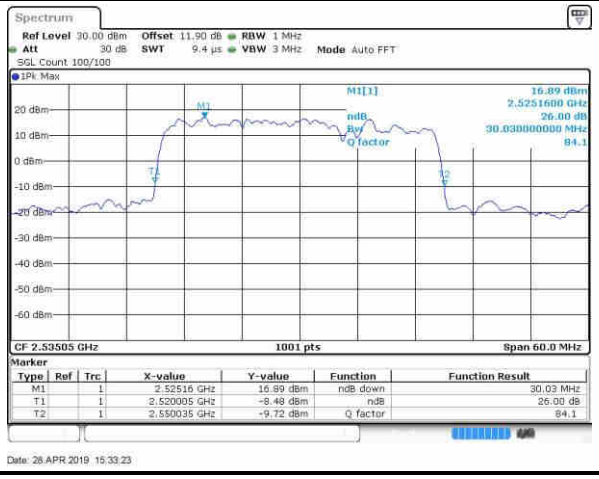
Middle Channel / 15MHz+15MHz



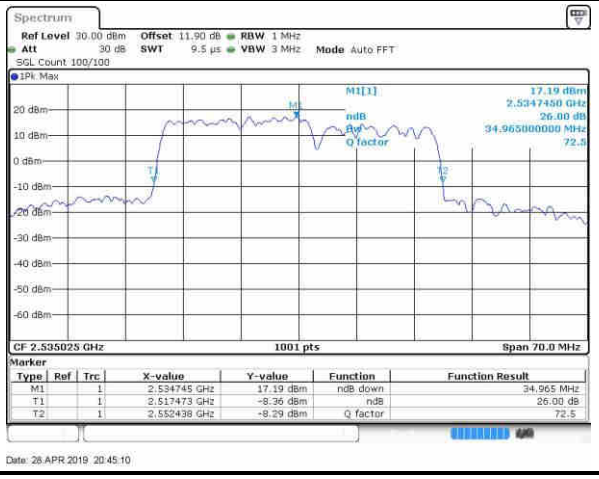
Middle Channel / 15MHz+20MHz

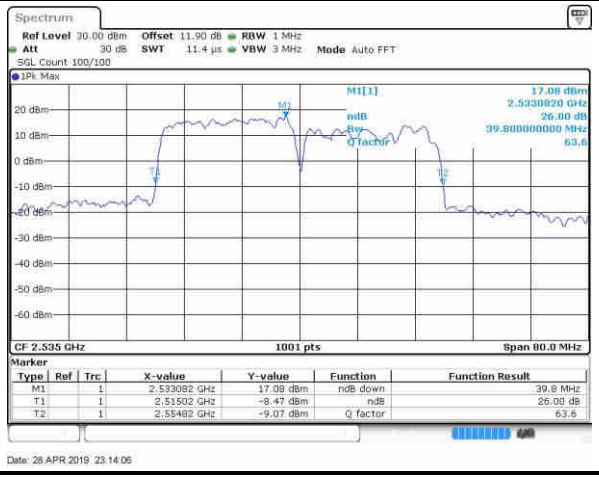


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

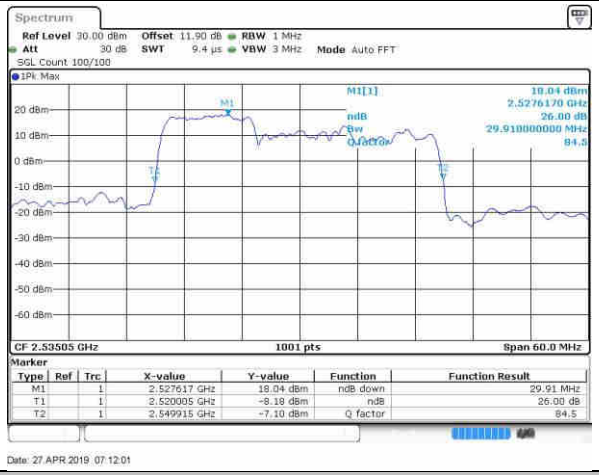


LTE Band 7	
QPSK	
Middle Channel / 20MHz+20MHz	
	

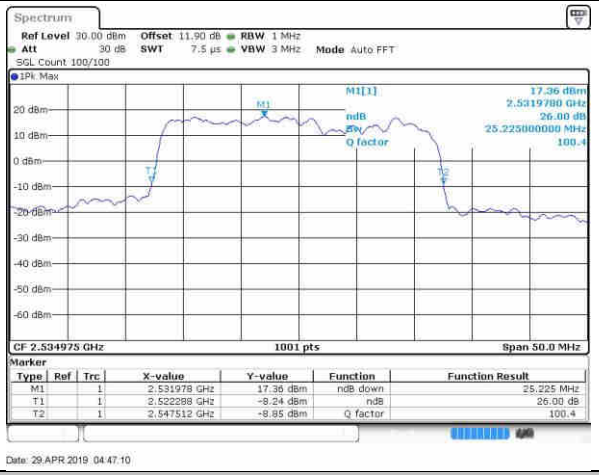
LTE Band 7

16QAM

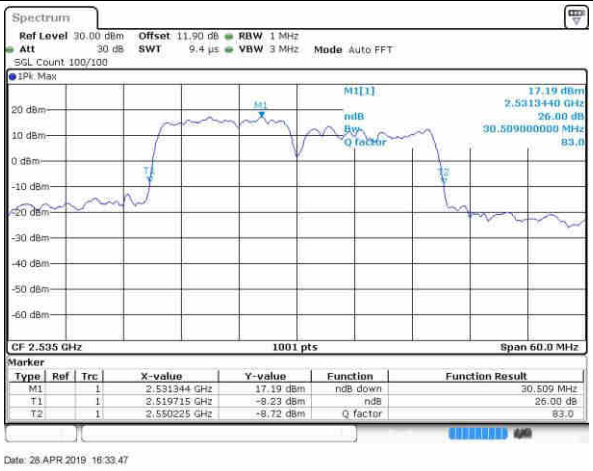
Middle Channel / 10MHz+20MHz



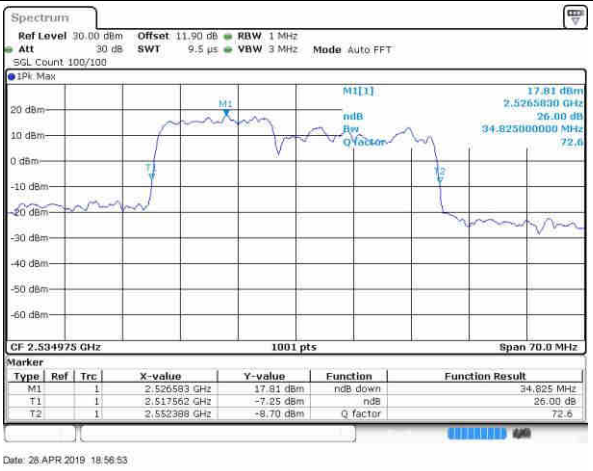
Middle Channel / 15MHz+10MHz



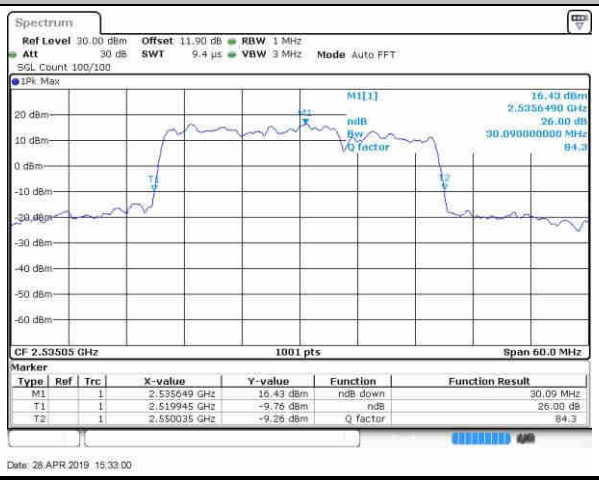
Middle Channel / 15MHz+15MHz



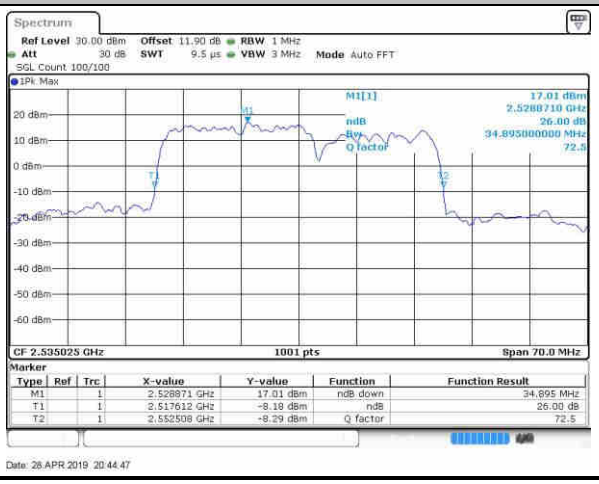
Middle Channel / 15MHz+20MHz

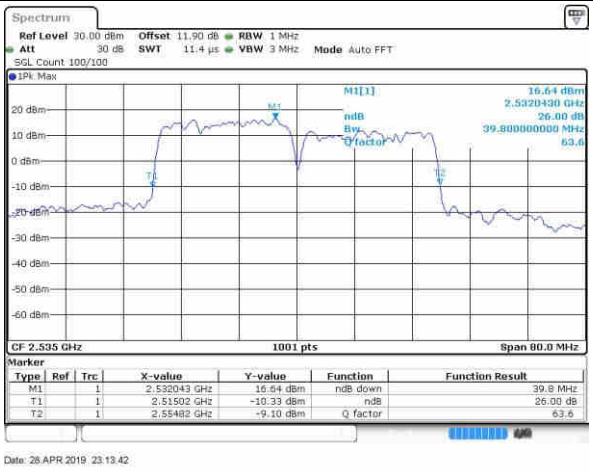


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

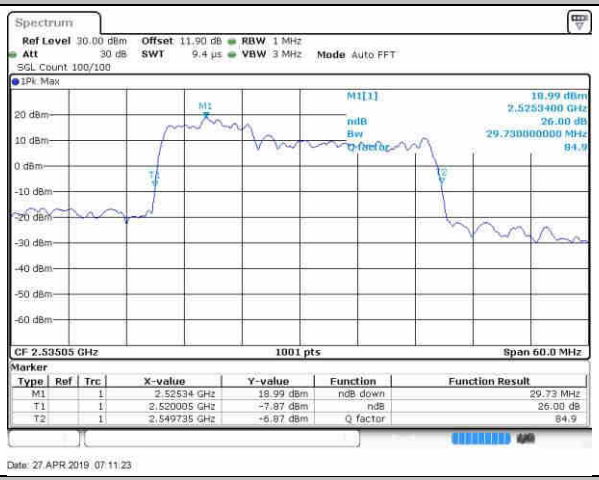


LTE Band 7	
16QAM	
Middle Channel / 20MHz+20MHz	
	

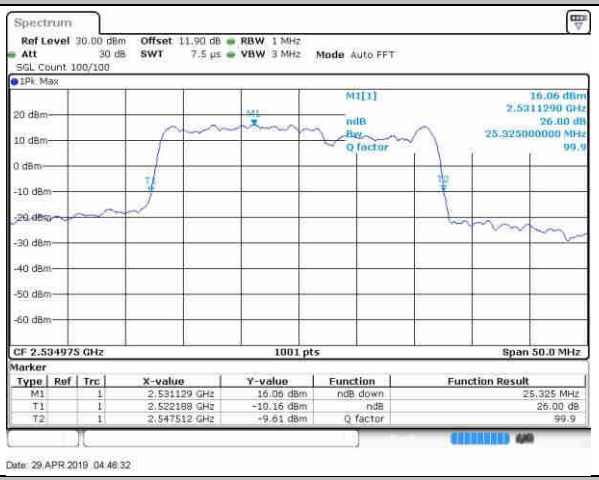
LTE Band 7

64QAM

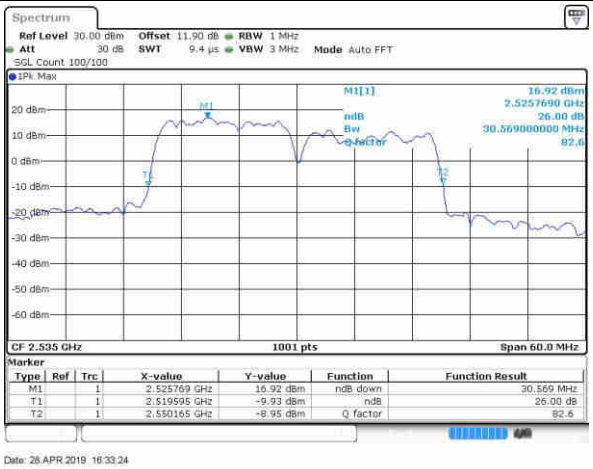
Middle Channel / 10MHz+20MHz



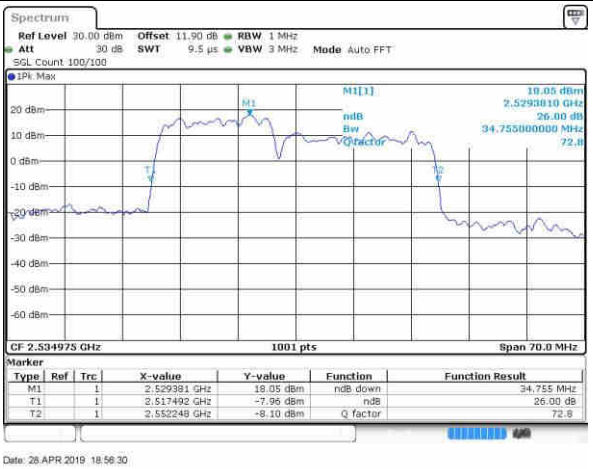
Middle Channel / 15MHz+10MHz



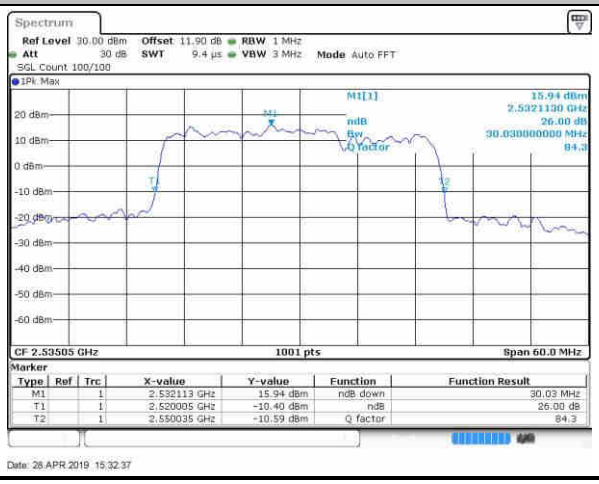
Middle Channel / 15MHz+15MHz



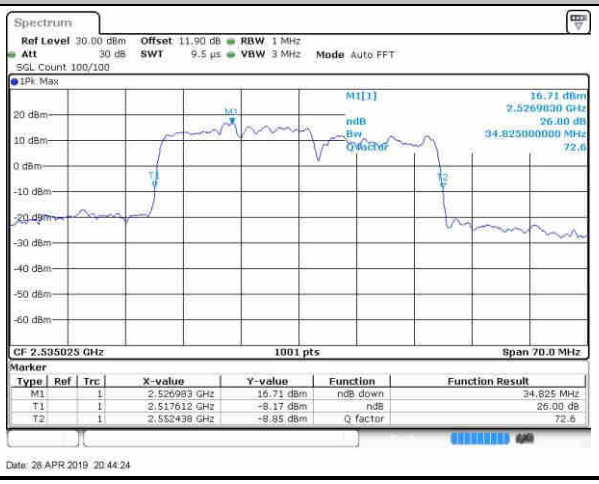
Middle Channel / 15MHz+20MHz

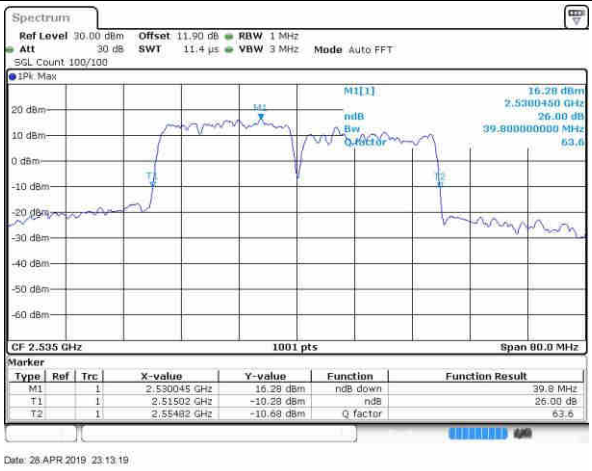


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



LTE Band 7	
64QAM	
Middle Channel / 20MHz+20MHz	
	

Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.05	23.48	28.53	32.87
Middle CH	28.05	23.53	28.59	32.31
Highest CH	27.93	23.43	28.41	32.45
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	28.05	32.59	37.56	-
Middle CH	27.81	32.73	37.48	-
Highest CH	28.05	32.66	37.72	-

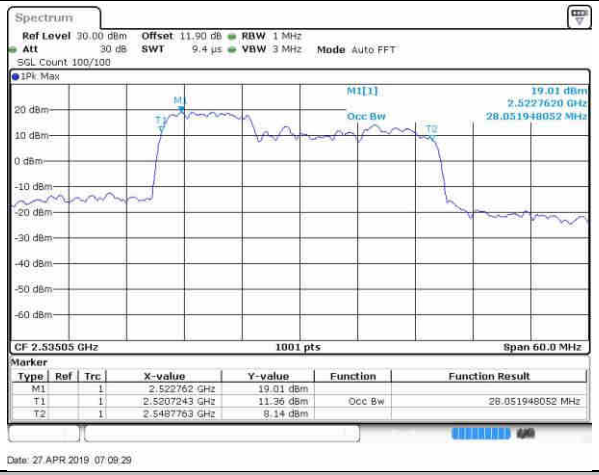
Mode	LTE Band 7 : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	28.05	23.43	28.41	32.80
Middle CH	27.57	23.53	28.41	32.66
Highest CH	27.99	23.38	28.29	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	27.87	32.59	37.64	-
Middle CH	27.93	32.52	37.32	-
Highest CH	27.87	32.80	37.24	-

Mode	LTE Band 7 : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.87	23.33	28.59	32.87
Middle CH	27.93	23.23	28.35	32.45
Highest CH	27.93	23.48	28.35	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	-
Lowest CH	27.93	32.45	37.40	-
Middle CH	28.11	69.16	37.56	-
Highest CH	28.11	32.66	37.72	-

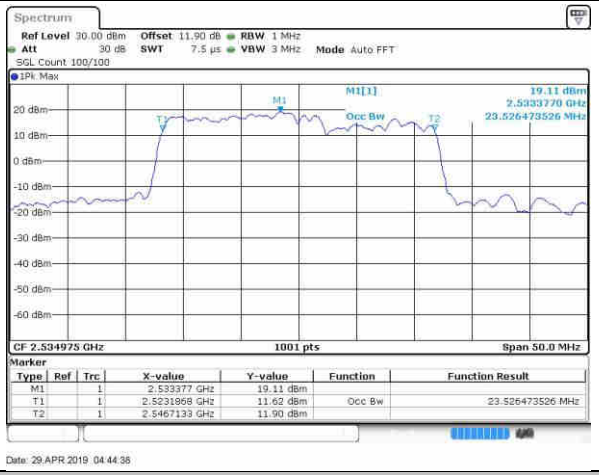
LTE Band 7

QPSK

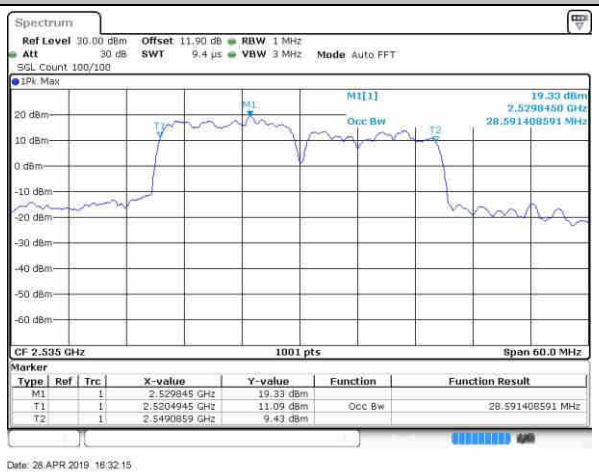
Middle Channel / 10MHz+20MHz



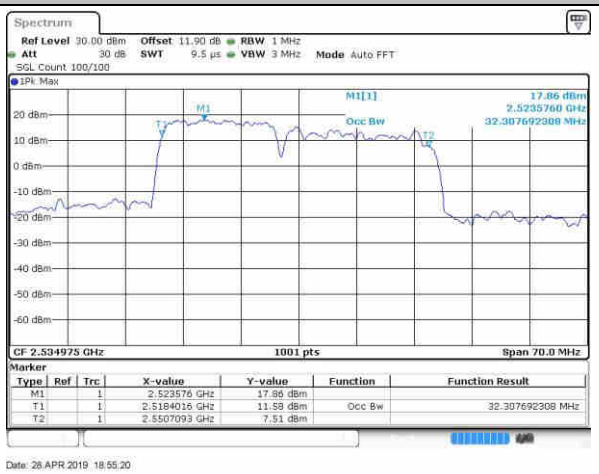
Middle Channel / 15MHz+10MHz



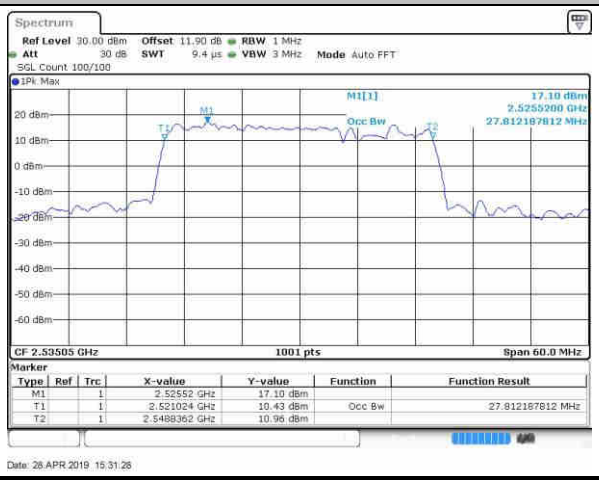
Middle Channel / 15MHz+15MHz



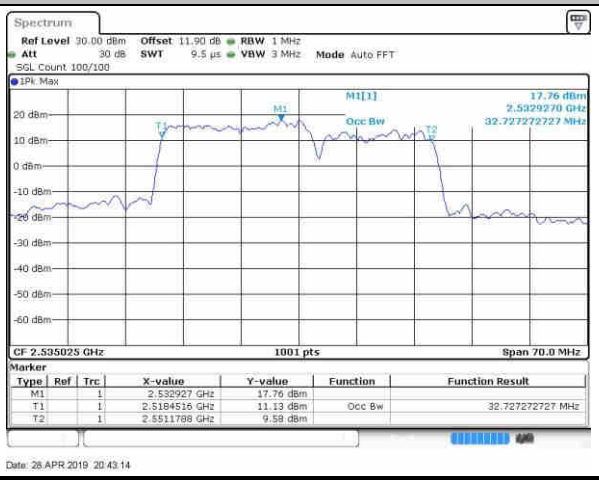
Middle Channel / 15MHz+20MHz

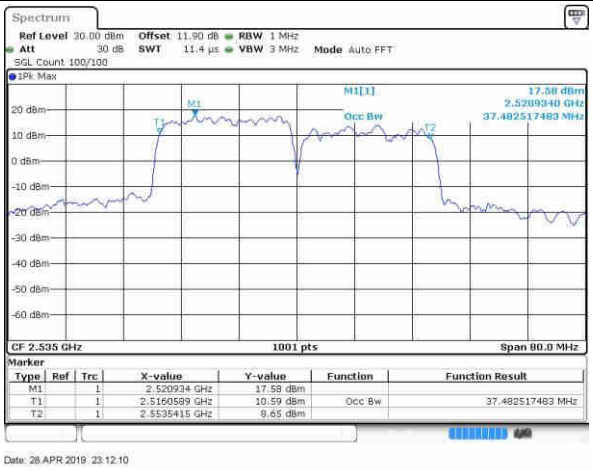


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

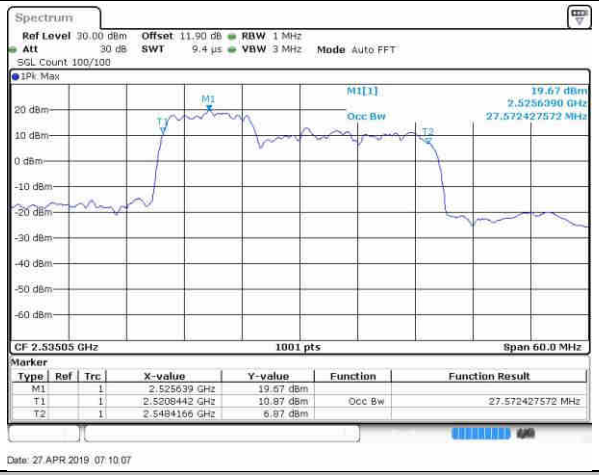


LTE Band 7	
QPSK	
Middle Channel / 20MHz+20MHz	
	

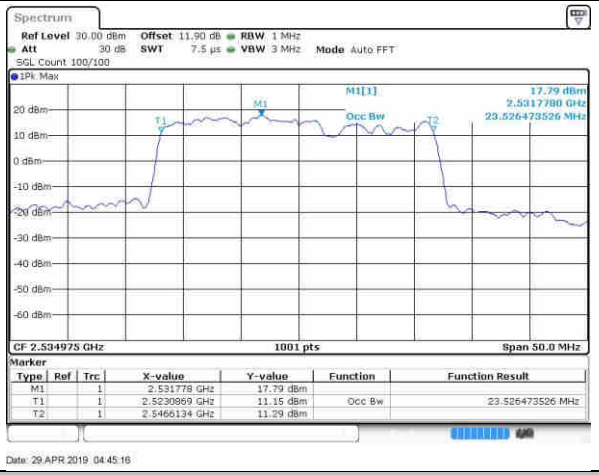
LTE Band 7

16QAM

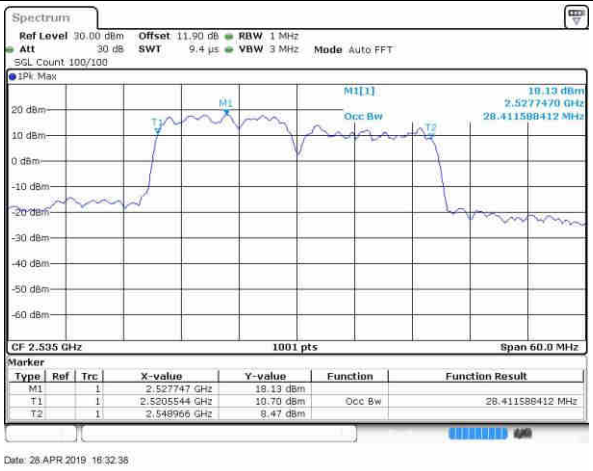
Middle Channel / 10MHz+20MHz



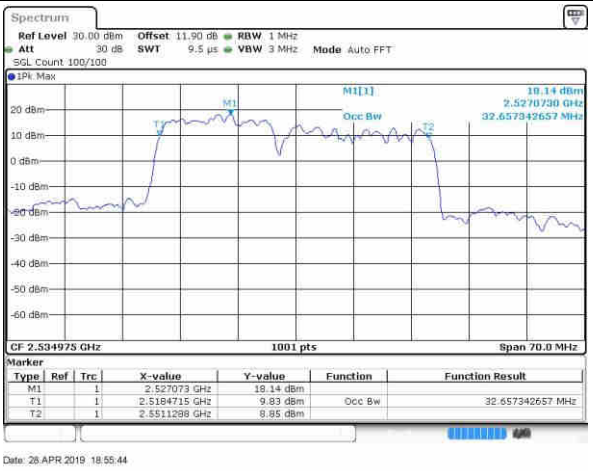
Middle Channel / 15MHz+10MHz



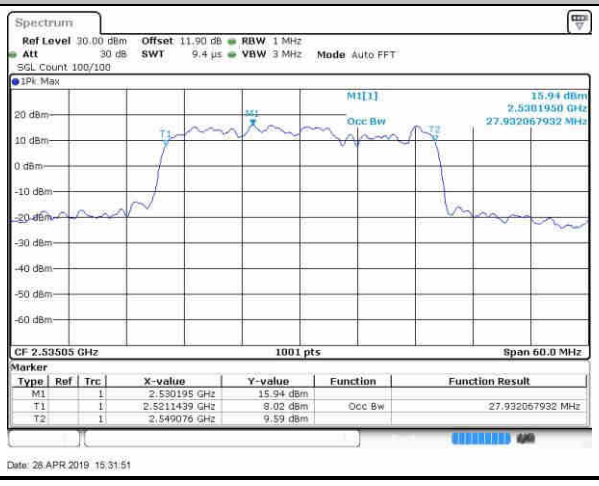
Middle Channel / 15MHz+15MHz



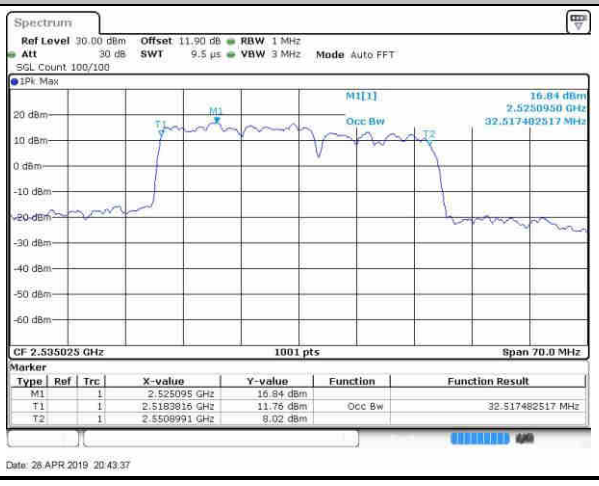
Middle Channel / 15MHz+20MHz

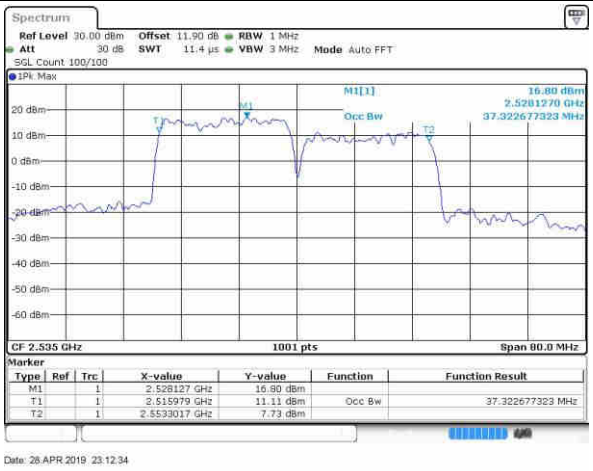


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

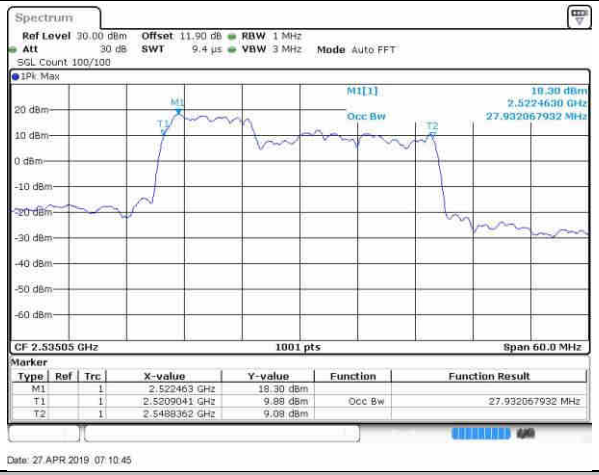


LTE Band 7	
16QAM	
Middle Channel / 20MHz+20MHz	
	

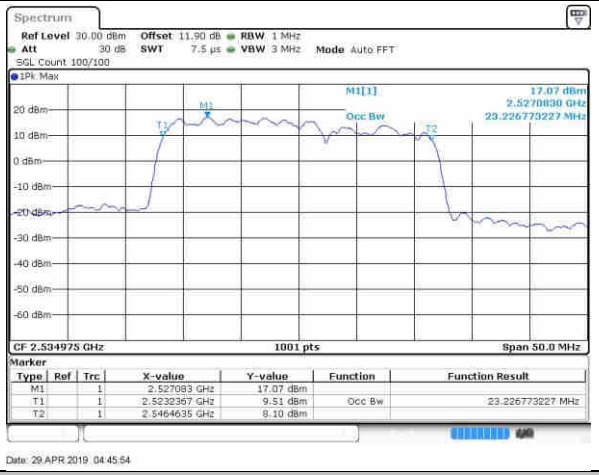
LTE Band 7

64QAM

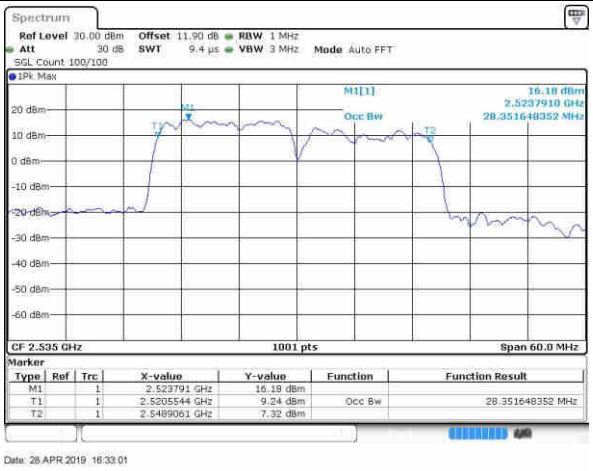
Middle Channel / 10MHz+20MHz



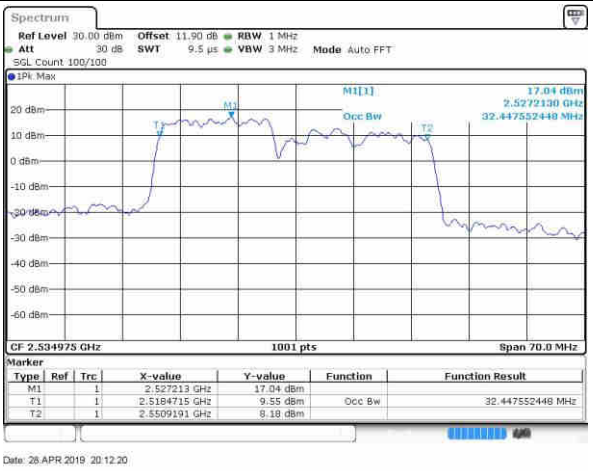
Middle Channel / 15MHz+10MHz



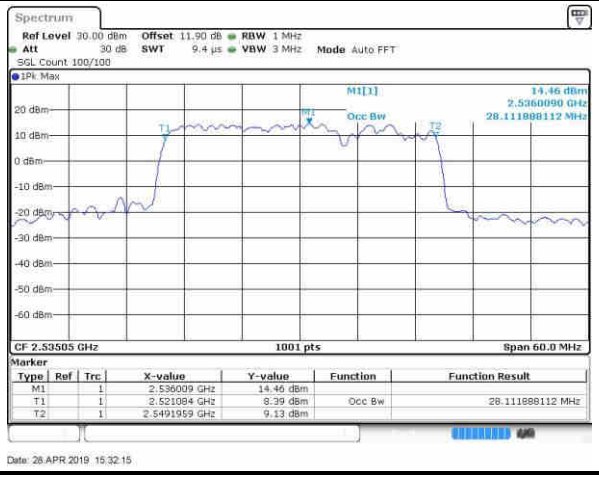
Middle Channel / 15MHz+15MHz



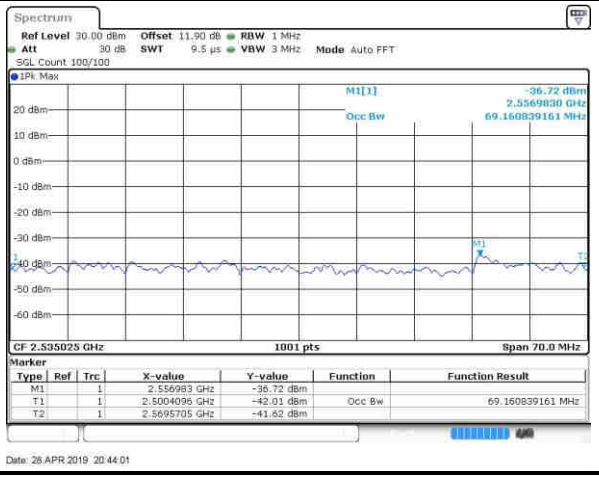
Middle Channel / 15MHz+20MHz

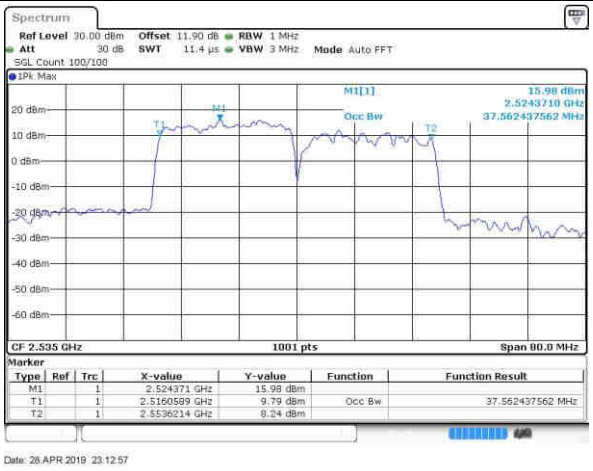


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



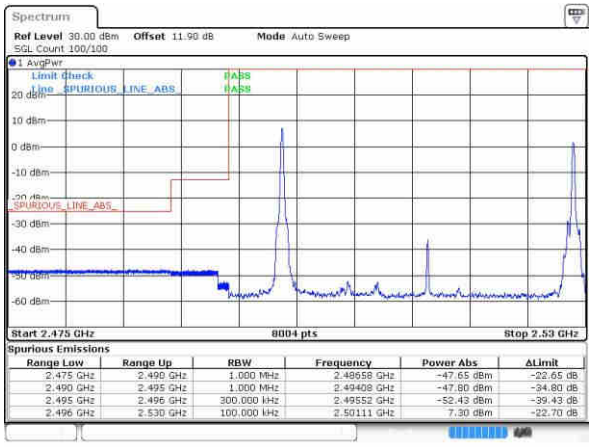
LTE Band 7	
64QAM	
Middle Channel / 20MHz+20MHz	
	

Conducted Band Edge

LTE Band 7 / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

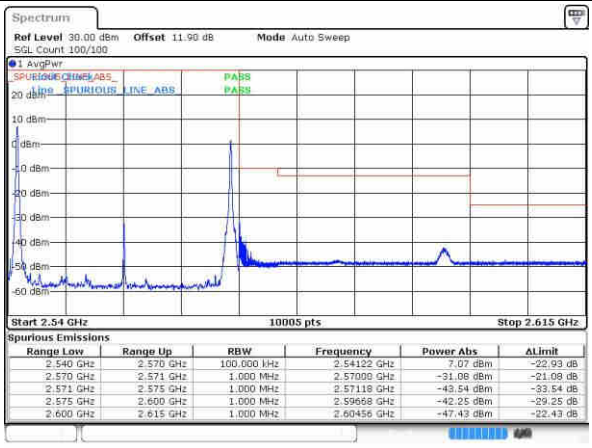


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48658 GHz	-47.65 dBm	-22.65 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49408 GHz	-47.80 dBm	-34.80 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49552 GHz	-52.43 dBm	-39.43 dB
2.496 GHz	2.530 GHz	100.000 kHz	2.50111 GHz	7.30 dBm	-22.70 dB

Date: 27.APR.2019 06:48:18

Highest Band Edge / 1RB0 and 1RB99

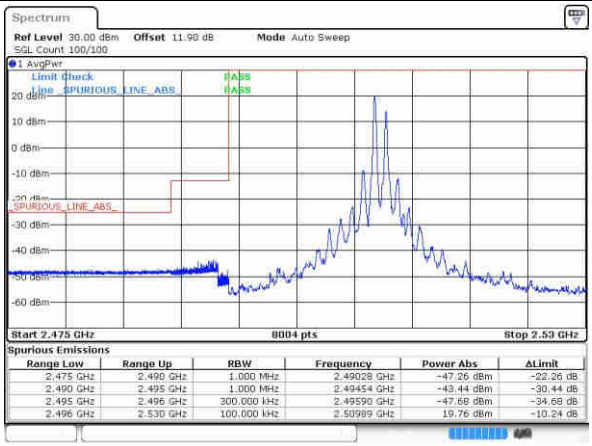


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.54122 GHz	7.07 dBm	-22.93 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57000 GHz	-31.08 dBm	-21.08 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57118 GHz	-43.54 dBm	-33.54 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.59668 GHz	-42.25 dBm	-29.25 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.60456 GHz	-47.43 dBm	-22.43 dB

Date: 27.APR.2019 07:33:36

Lowest Band Edge / 1RB49 and 1RB0

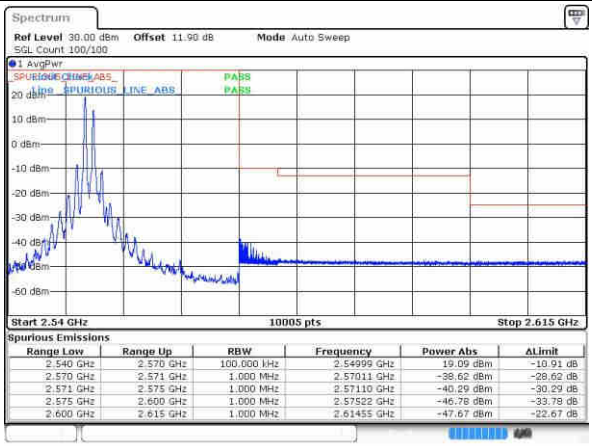


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-47.26 dBm	-22.26 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49454 GHz	-43.44 dBm	-30.44 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49590 GHz	-47.68 dBm	-34.68 dB
2.496 GHz	2.530 GHz	100.000 kHz	2.50989 GHz	19.76 dBm	-10.24 dB

Date: 27.APR.2019 06:54:21

Highest Band Edge / 1RB49 and 1RB0

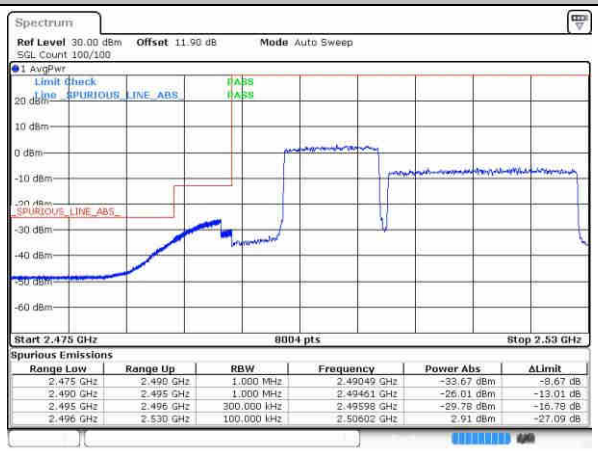


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.54999 GHz	19.09 dBm	-10.91 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57011 GHz	-38.62 dBm	-28.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-40.29 dBm	-30.29 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.57522 GHz	-46.78 dBm	-33.78 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.61455 GHz	-47.67 dBm	-22.67 dB

Date: 27.APR.2019 07:39:13

Lowest Band Edge / Full RB

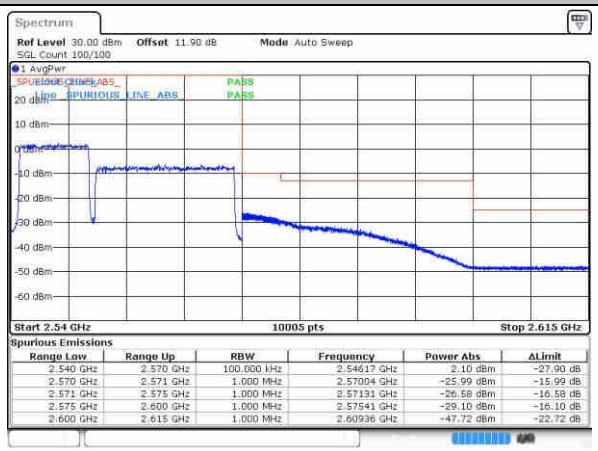


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-33.67 dBm	-8.67 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49461 GHz	-26.01 dBm	-13.01 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49598 GHz	-29.78 dBm	-16.78 dB
2.496 GHz	2.530 GHz	100.000 kHz	2.50602 GHz	2.91 dBm	-27.09 dB

Date: 27.APR.2019 06:52:56

Highest Band Edge / Full RB



Spurious Emissions

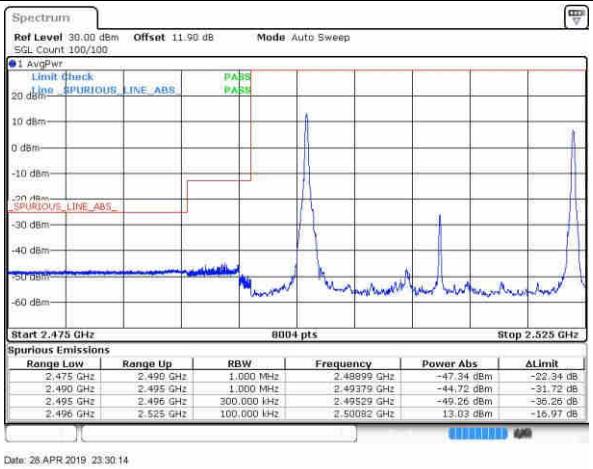
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.54617 GHz	2.10 dBm	-27.90 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57004 GHz	-25.99 dBm	-15.99 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57131 GHz	-26.58 dBm	-16.58 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.57541 GHz	-29.10 dBm	-16.10 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.60936 GHz	-47.72 dBm	-22.72 dB

Date: 27.APR.2019 07:32:29

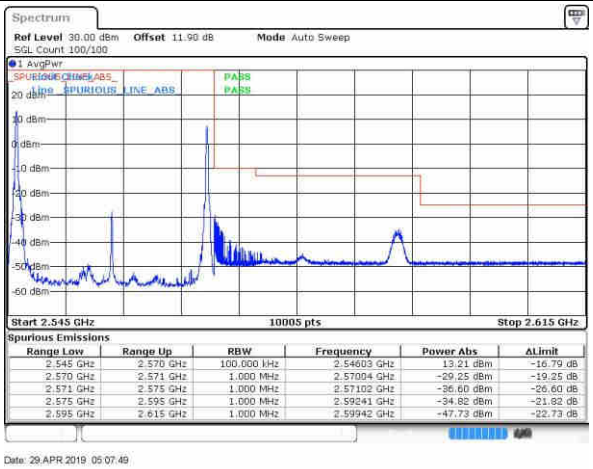
LTE Band 7 / 15MHz+10MHz

QPSK

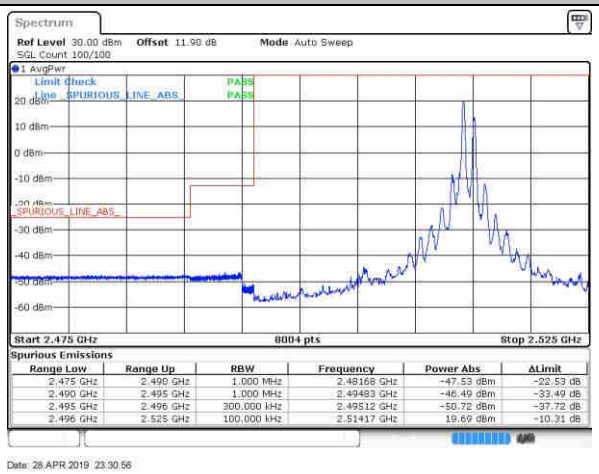
Lowest Band Edge / 1RB0 and 1RB49



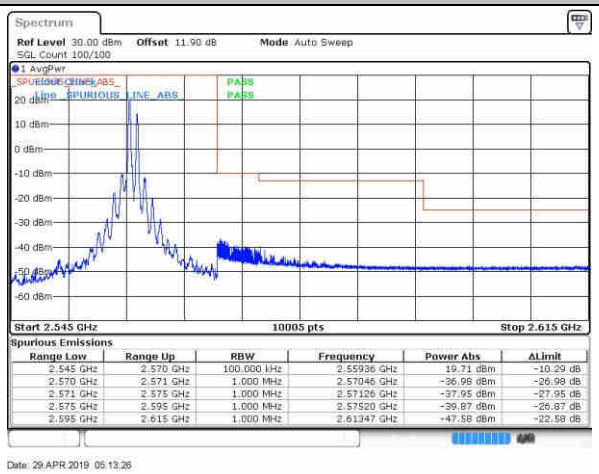
Highest Band Edge / 1RB0 and 1RB49



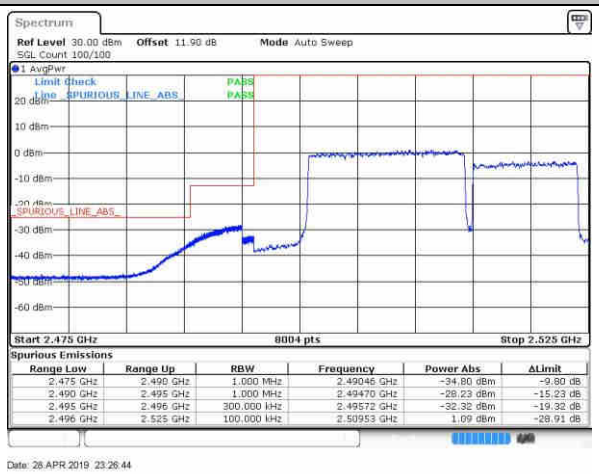
Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB

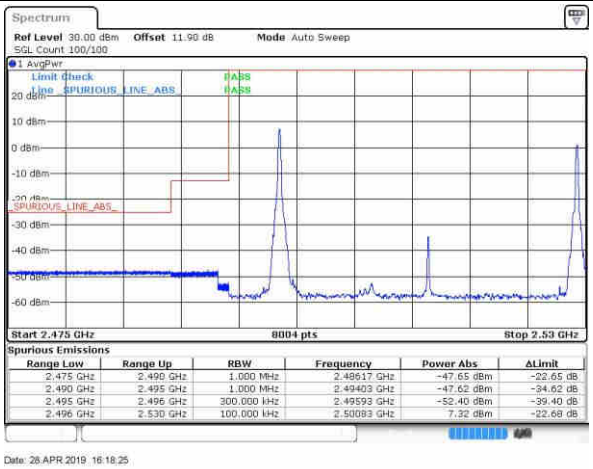


Highest Band Edge / Full RB

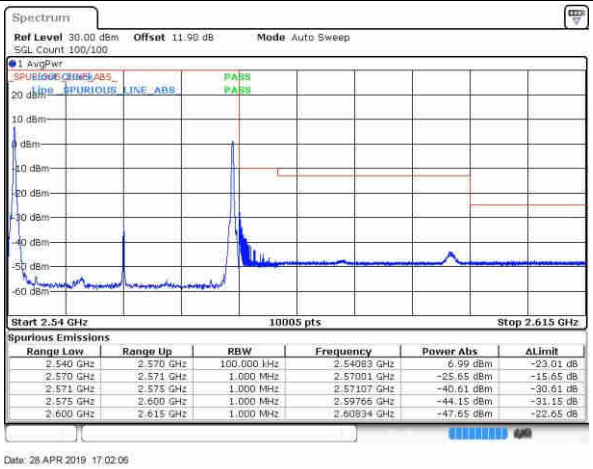
LTE Band 7 / 15MHz+15MHz

QPSK

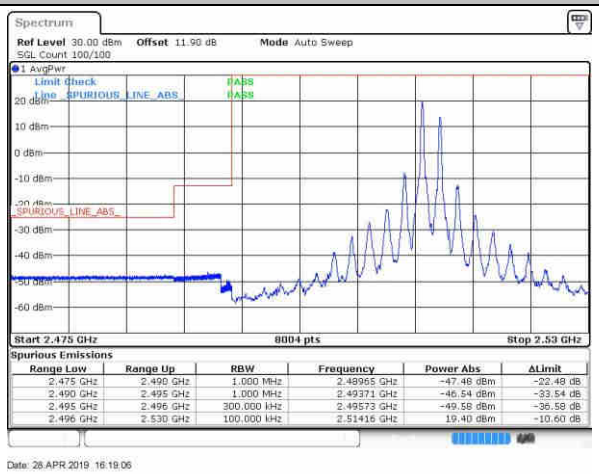
Lowest Band Edge / 1RB0 and 1RB74



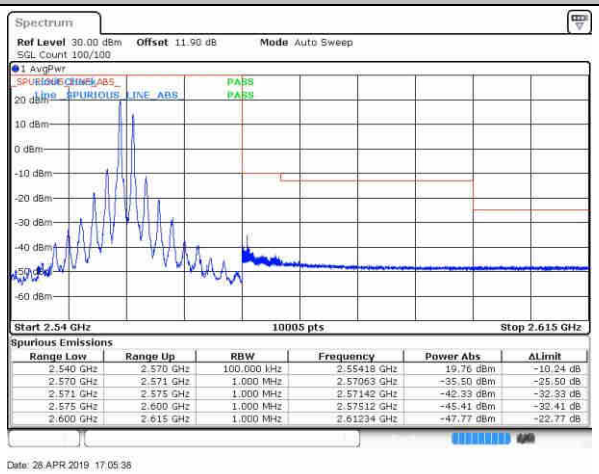
Highest Band Edge / 1RB0 and 1RB74



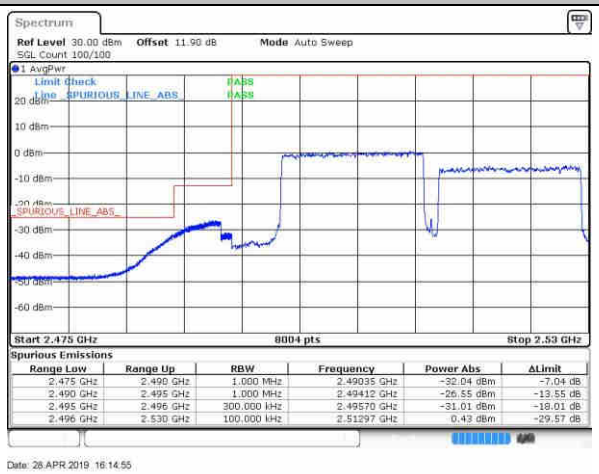
Lowest Band Edge / 1RB74 and 1RB0



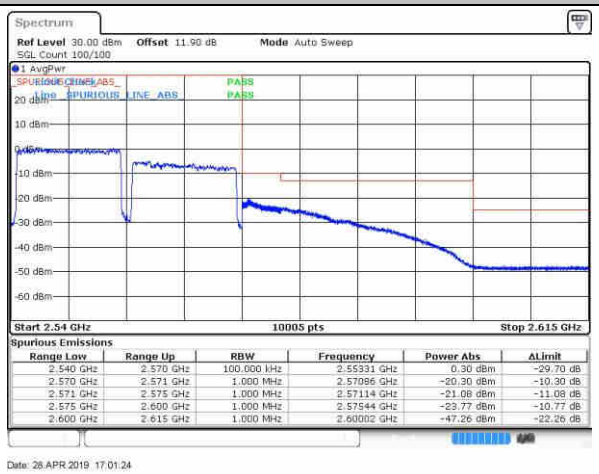
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



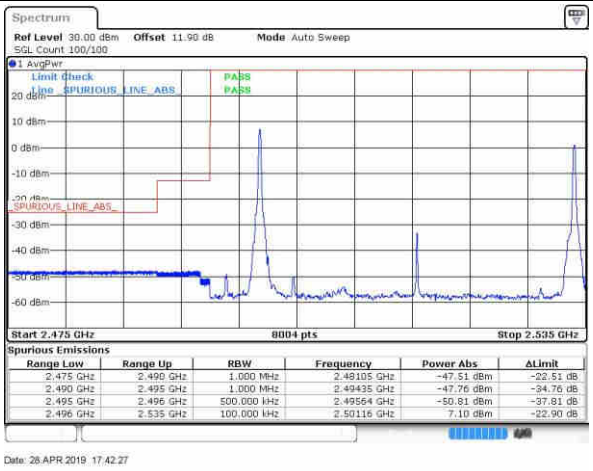
Highest Band Edge / Full RB



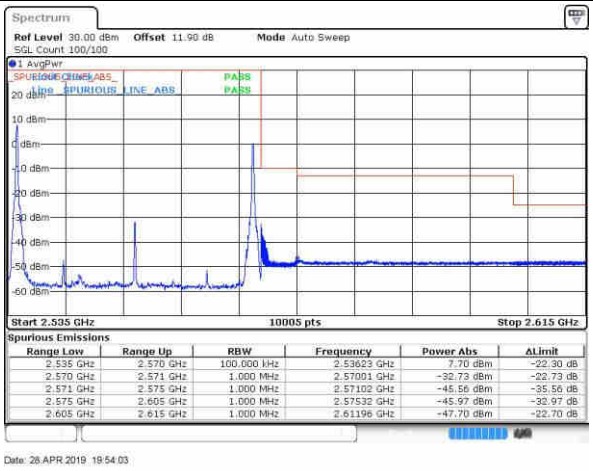
LTE Band 7 / 15MHz+20MHz

QPSK

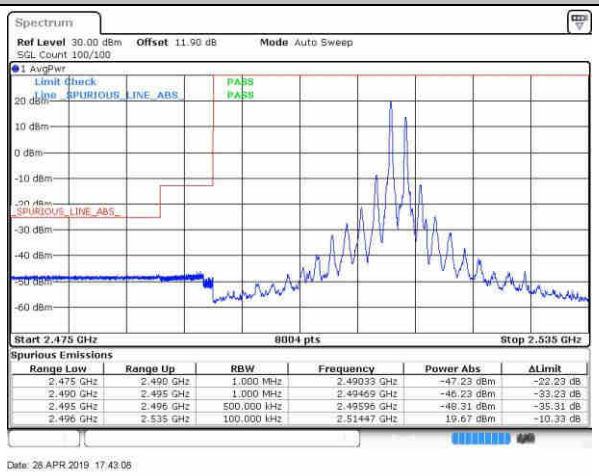
Lowest Band Edge / 1RB0 and 1RB99



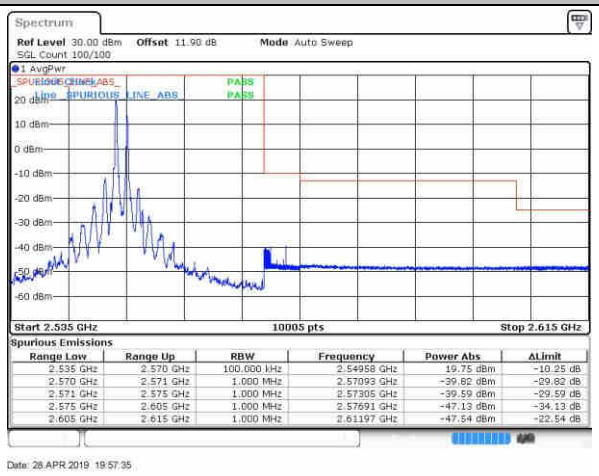
Highest Band Edge / 1RB0 and 1RB99



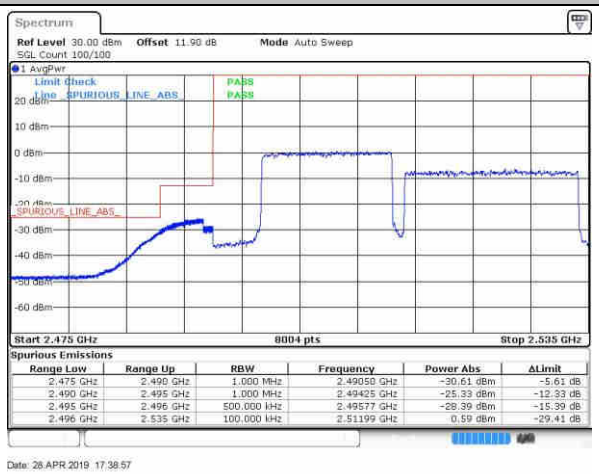
Lowest Band Edge / 1RB74 and 1RB0



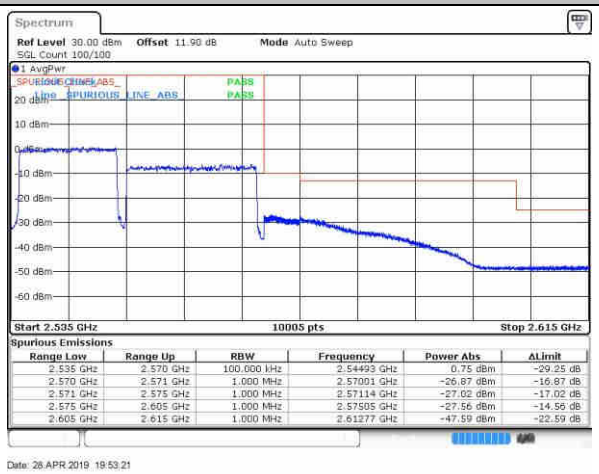
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



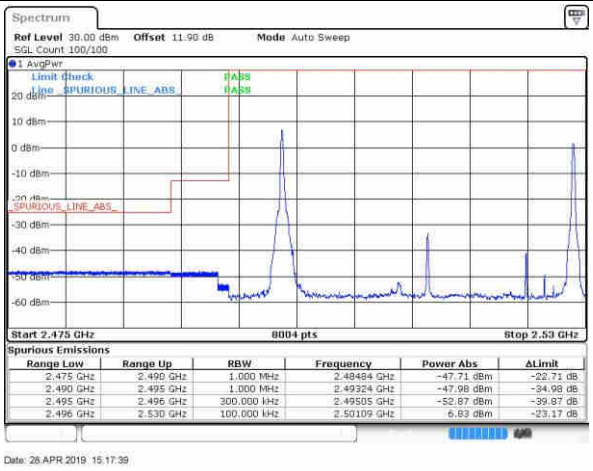
Highest Band Edge / Full RB



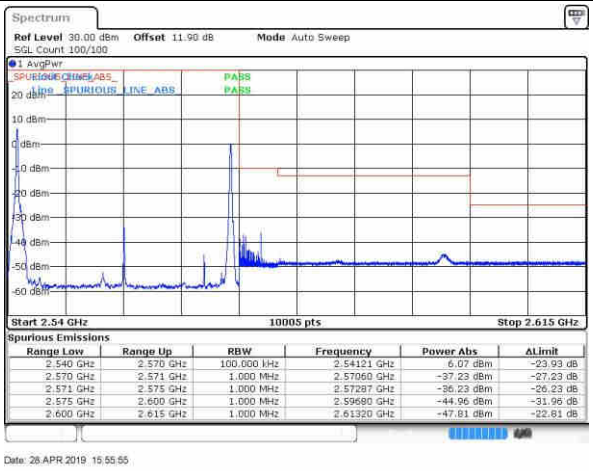
LTE Band 7 / 20MHz+10MHz

QPSK

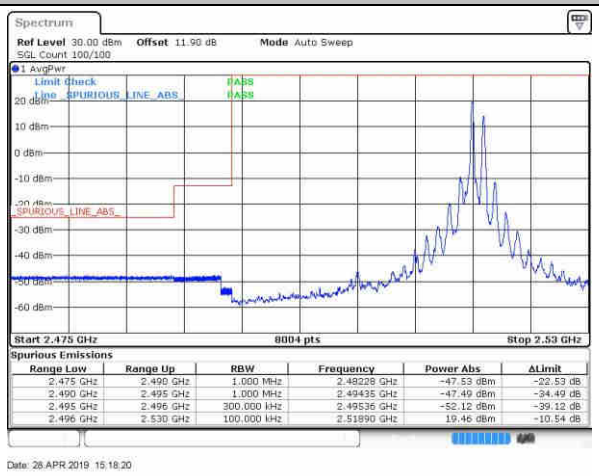
Lowest Band Edge / 1RB0 and 1RB49



Highest Band Edge / 1RB0 and 1RB49

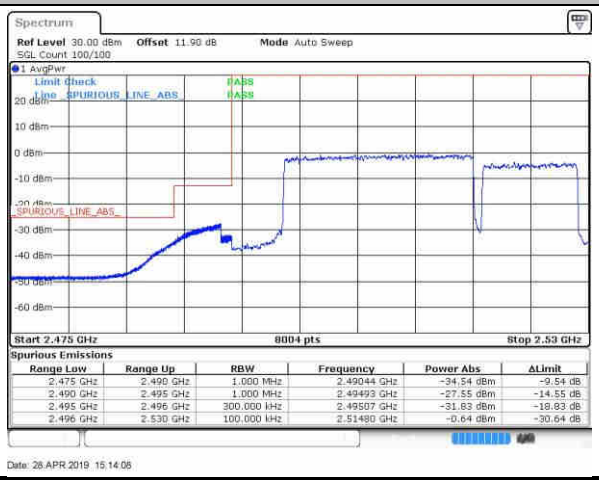


Lowest Band Edge / 1RB99 and 1RB0

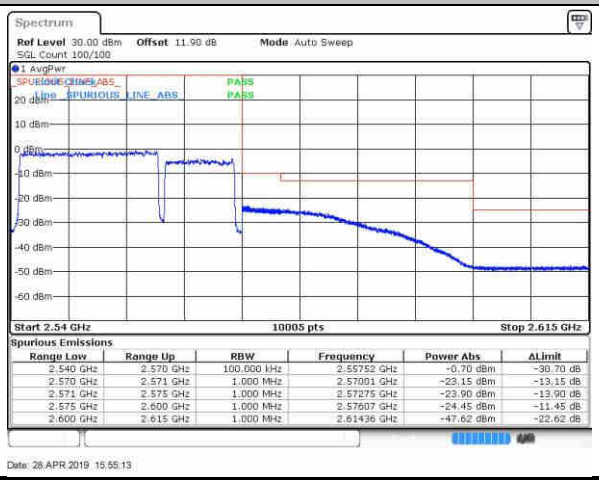


Highest Band Edge / 1RB99 and 1RB0

Lowest Band Edge / Full RB



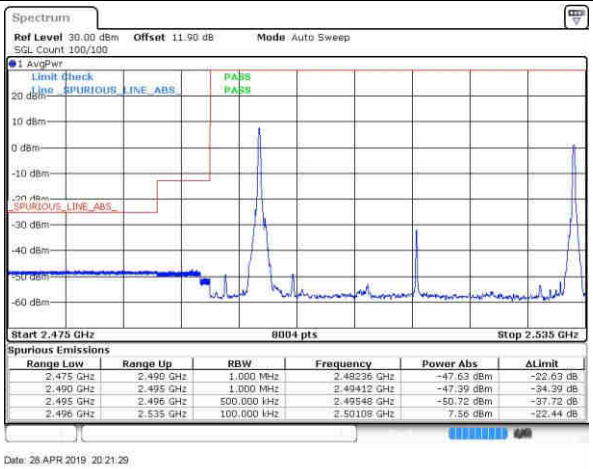
Highest Band Edge / Full RB



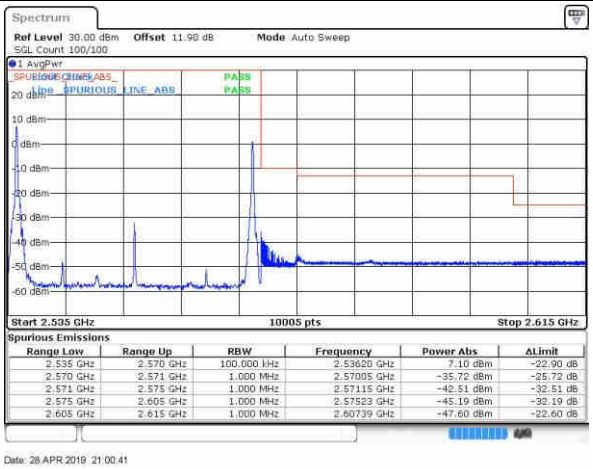
LTE Band 7 / 20MHz+15MHz

QPSK

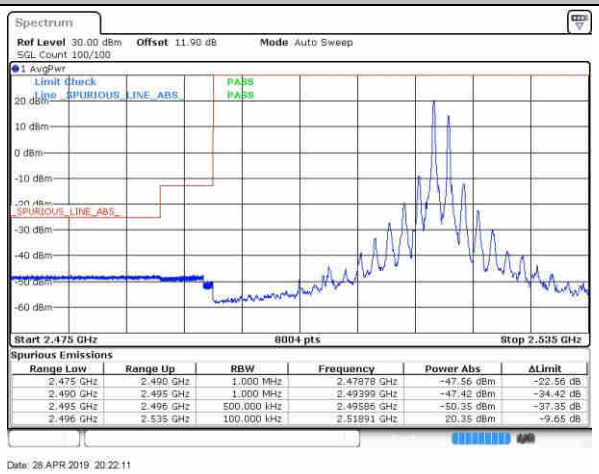
Lowest Band Edge / 1RB0 and 1RB74



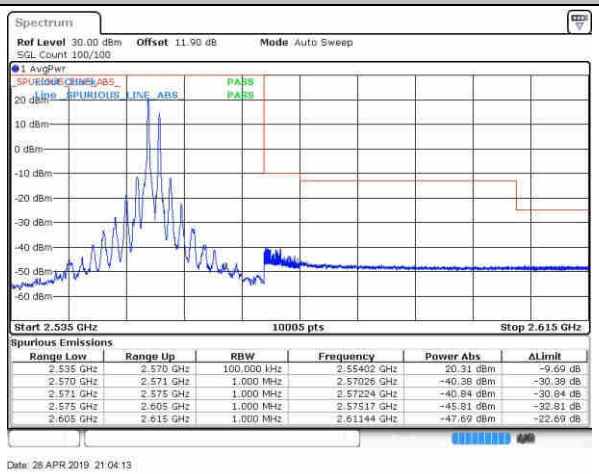
Highest Band Edge / 1RB0 and 1RB74



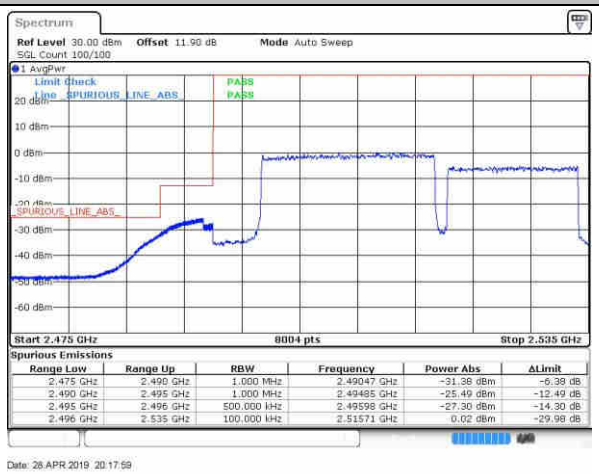
Lowest Band Edge / 1RB99 and 1RB0



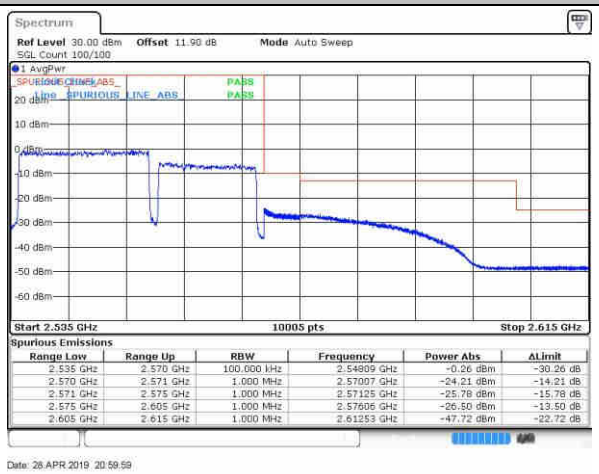
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



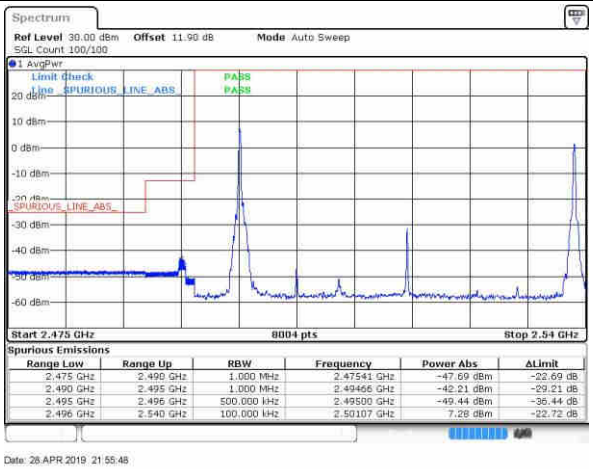
Highest Band Edge / Full RB



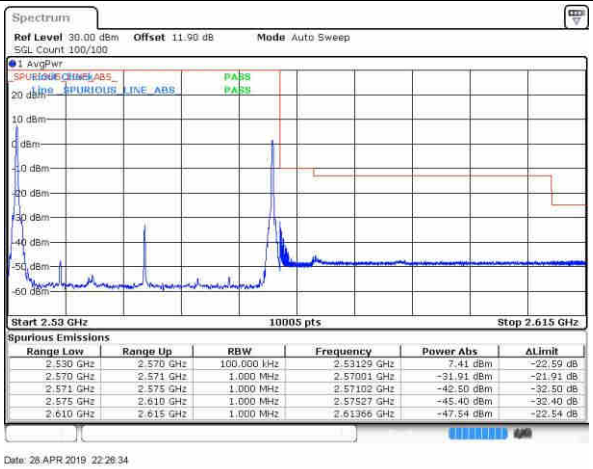
LTE Band 7 / 20MHz+20MHz

QPSK

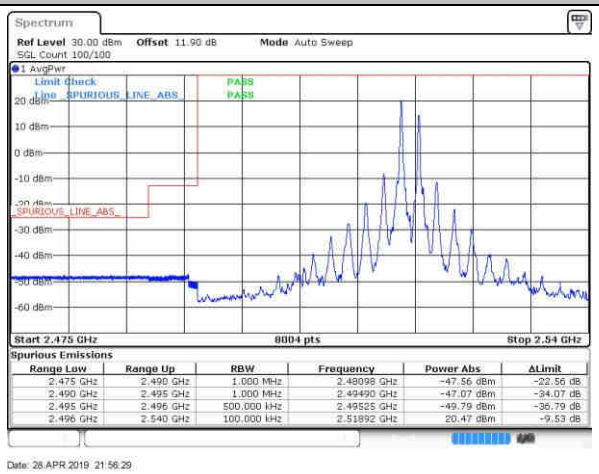
Lowest Band Edge / 1RB0 and 1RB99



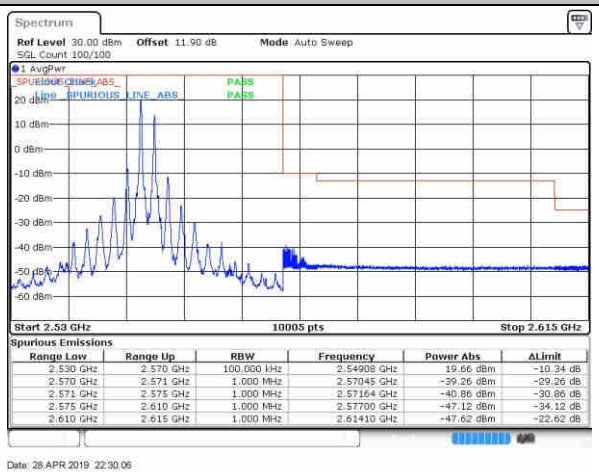
Highest Band Edge / 1RB0 and 1RB99



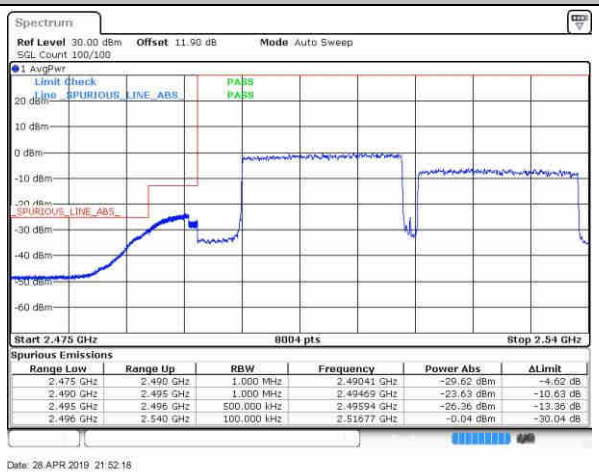
Lowest Band Edge / 1RB99 and 1RB0



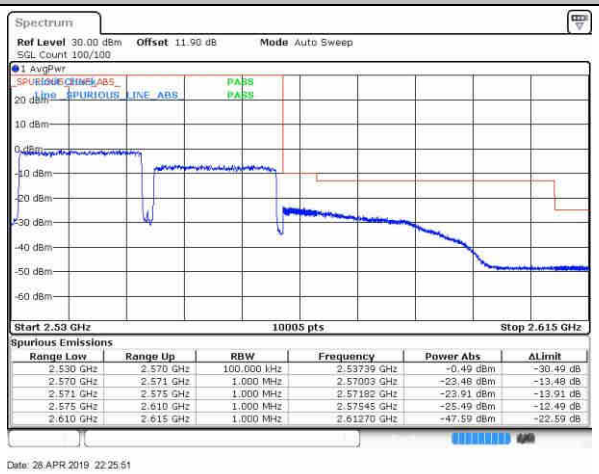
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



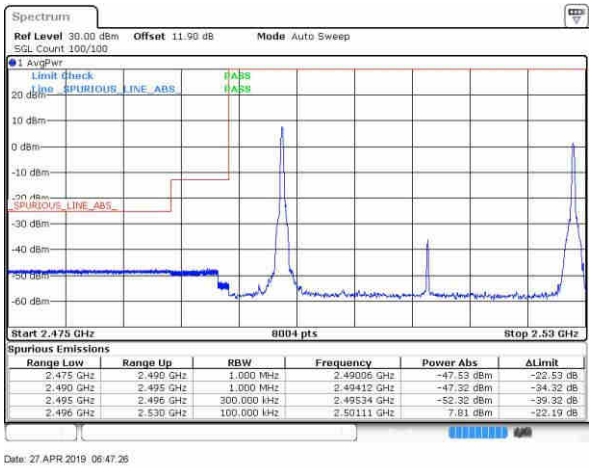
Highest Band Edge / Full RB



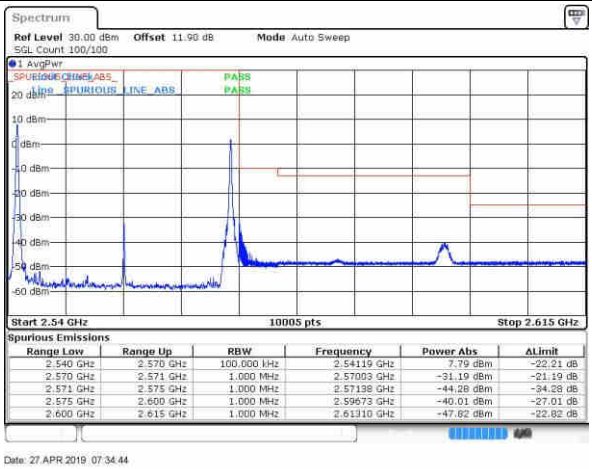
LTE Band 7 / 10MHz+20MHz

16QAM

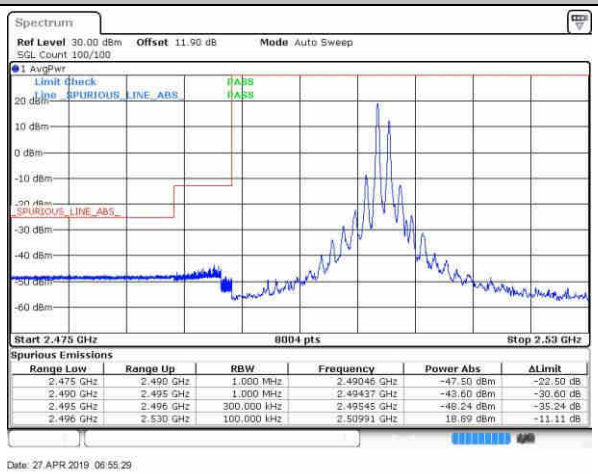
Lowest Band Edge / 1RB0 and 1RB99



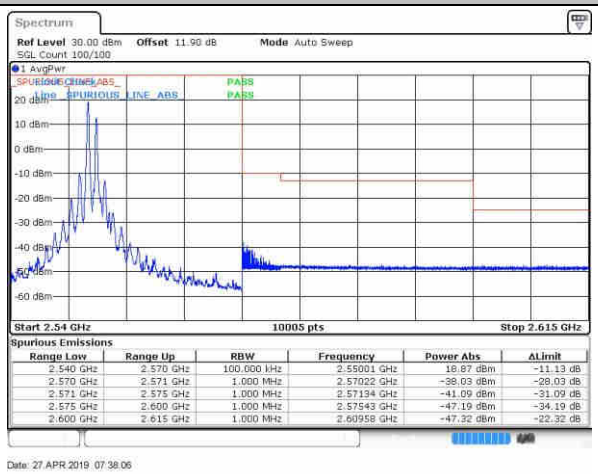
Highest Band Edge / 1RB0 and 1RB99



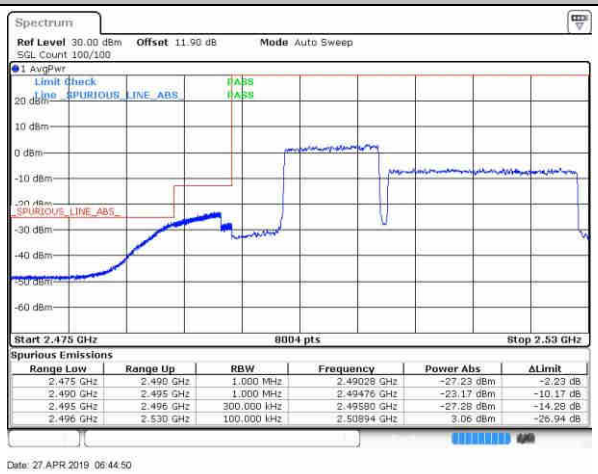
Lowest Band Edge / 1RB49 and 1RB0



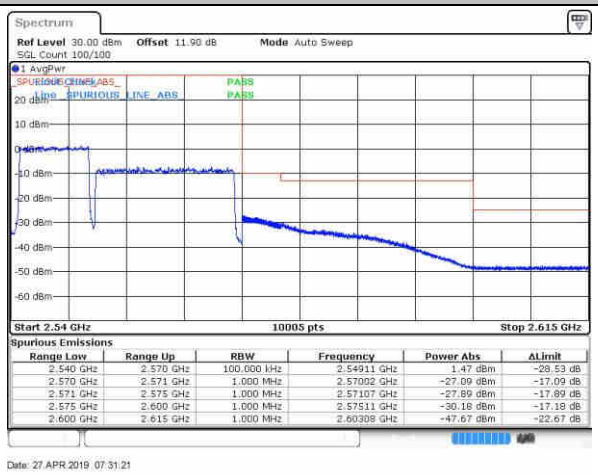
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



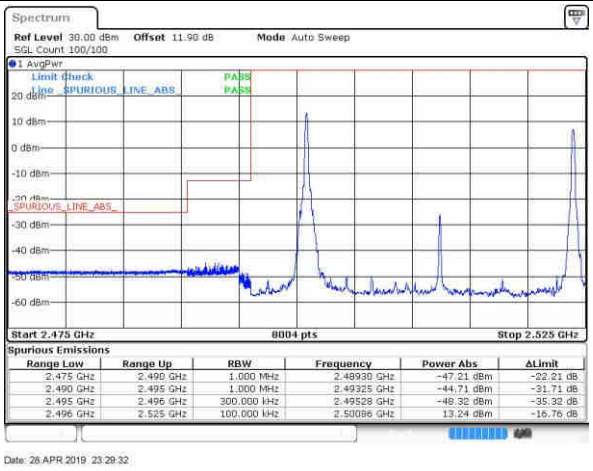
Highest Band Edge / Full RB



LTE Band 7 / 15MHz+10MHz

16QAM

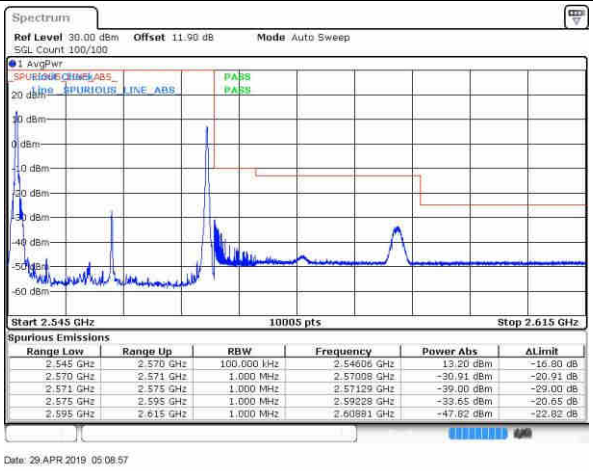
Lowest Band Edge / 1RB0 and 1RB49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48930 GHz	-47.21 dBm	-22.21 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49325 GHz	-44.71 dBm	-31.71 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49528 GHz	-48.32 dBm	-35.32 dB
2.496 GHz	2.525 GHz	100.000 kHz	2.50086 GHz	13.24 dBm	-16.76 dB

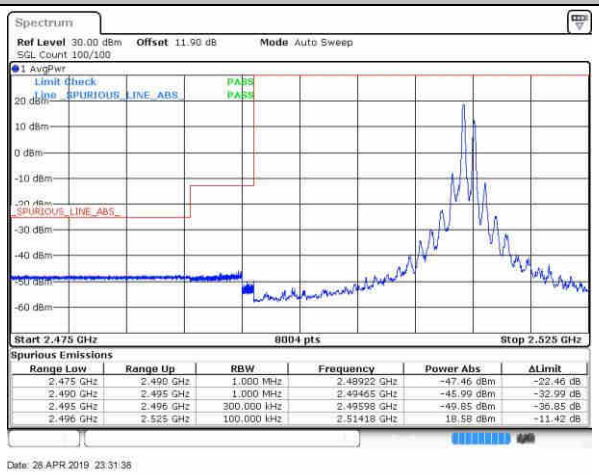
Highest Band Edge / 1RB0 and 1RB49



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.54606 GHz	13.20 dBm	-16.80 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57008 GHz	-30.91 dBm	-20.91 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57129 GHz	-39.00 dBm	-29.00 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.59228 GHz	-33.65 dBm	-20.65 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.60881 GHz	-47.82 dBm	-22.82 dB

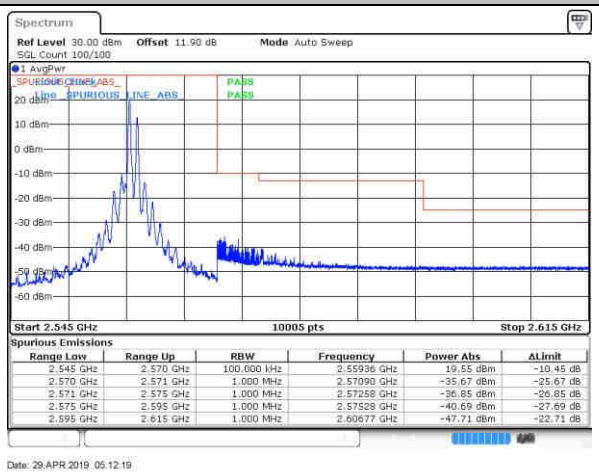
Lowest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48922 GHz	-47.46 dBm	-22.46 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49465 GHz	-45.99 dBm	-32.99 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49598 GHz	-49.85 dBm	-36.85 dB
2.496 GHz	2.525 GHz	100.000 kHz	2.51418 GHz	18.58 dBm	-11.42 dB

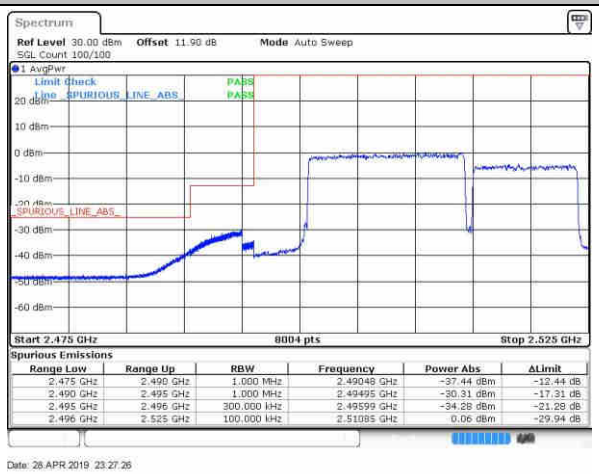
Highest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.55936 GHz	19.55 dBm	-10.45 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57090 GHz	-35.67 dBm	-25.67 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57258 GHz	-36.85 dBm	-26.85 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57528 GHz	-40.69 dBm	-27.69 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.60677 GHz	-47.71 dBm	-22.71 dB

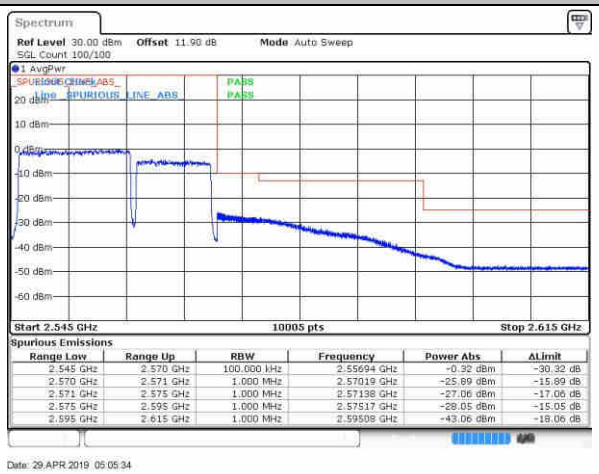
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-37.44 dBm	-12.44 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-30.31 dBm	-17.31 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49599 GHz	-34.28 dBm	-21.28 dB
2.496 GHz	2.525 GHz	100.000 kHz	2.51085 GHz	0.06 dBm	-29.94 dB

Highest Band Edge / Full RB



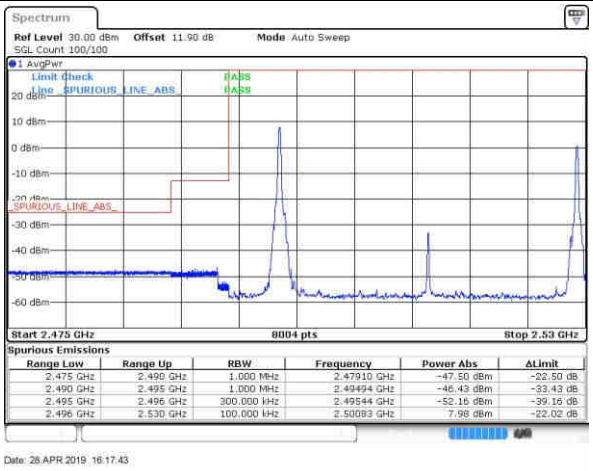
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.55694 GHz	-0.32 dBm	-30.32 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57019 GHz	-25.89 dBm	-15.89 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57138 GHz	-27.06 dBm	-17.06 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57517 GHz	-28.05 dBm	-15.05 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.59508 GHz	-43.06 dBm	-18.06 dB

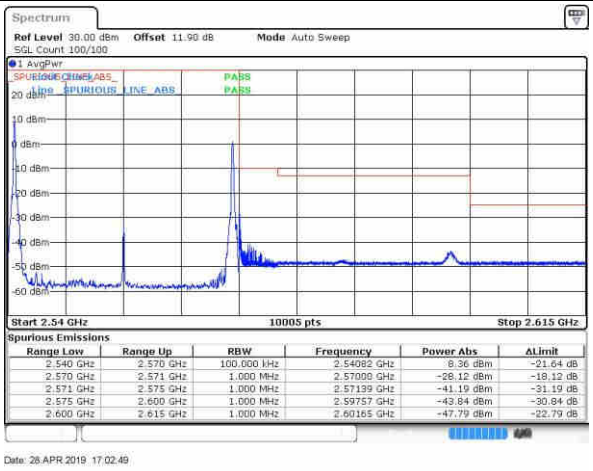
LTE Band 7 / 15MHz+15MHz

16QAM

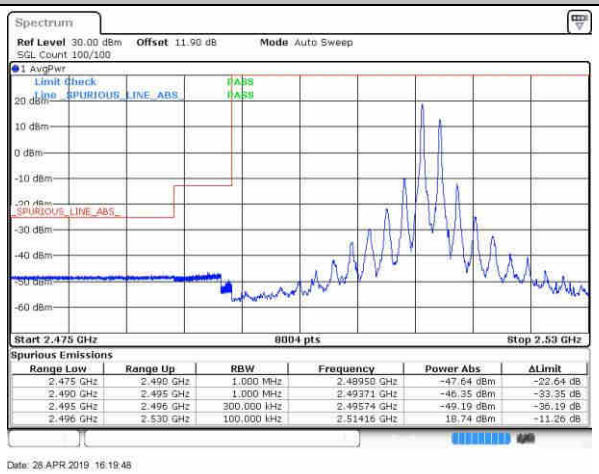
Lowest Band Edge / 1RB0 and 1RB74



Highest Band Edge / 1RB0 and 1RB74

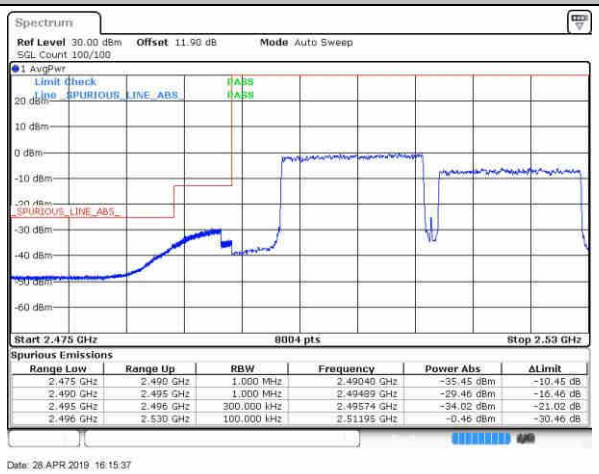


Lowest Band Edge / 1RB74 and 1RB0

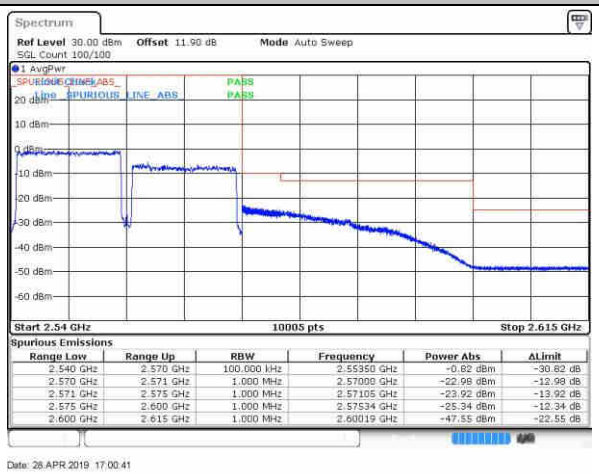


Highest Band Edge / 1RB74 and 1RB0

Lowest Band Edge / Full RB



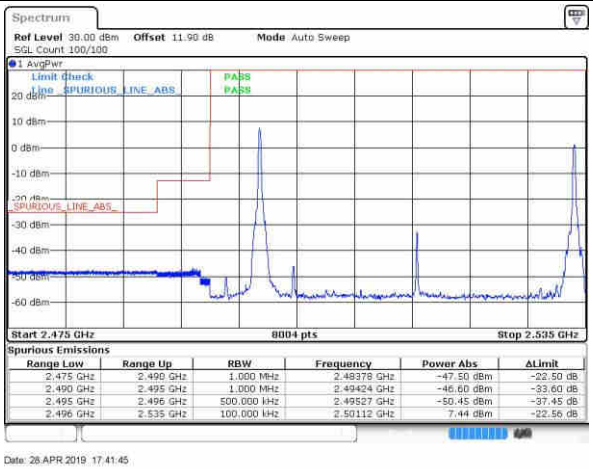
Highest Band Edge / Full RB



LTE Band 7 / 15MHz+20MHz

16QAM

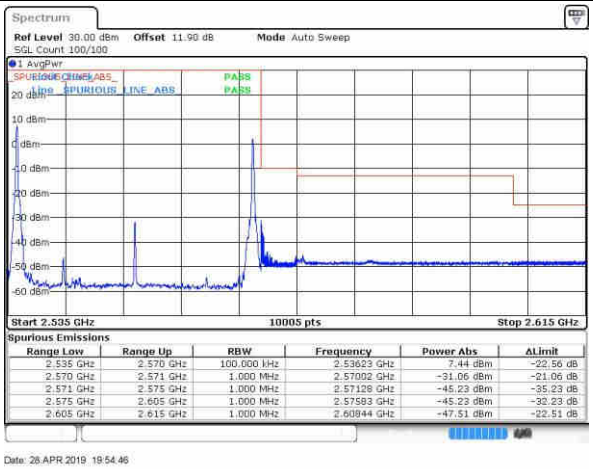
Lowest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48378 GHz	-47.50 dBm	-22.50 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49424 GHz	-46.60 dBm	-33.60 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49527 GHz	-50.45 dBm	-37.45 dB
2.496 GHz	2.535 GHz	100.000 kHz	2.50112 GHz	7.44 dBm	-22.56 dB

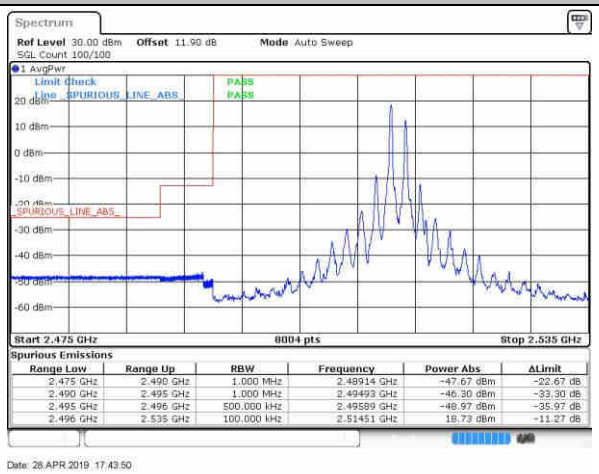
Highest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.53623 GHz	7.44 dBm	-22.56 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57002 GHz	-31.06 dBm	-21.06 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57128 GHz	-45.23 dBm	-35.23 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57583 GHz	-45.23 dBm	-32.23 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.60944 GHz	-47.51 dBm	-22.51 dB

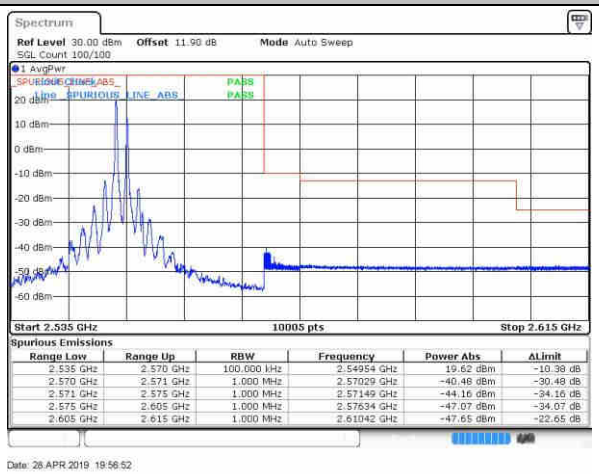
Lowest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48914 GHz	-47.67 dBm	-22.67 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-46.30 dBm	-33.30 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49589 GHz	-48.97 dBm	-35.97 dB
2.496 GHz	2.535 GHz	100.000 kHz	2.51451 GHz	18.73 dBm	-11.27 dB

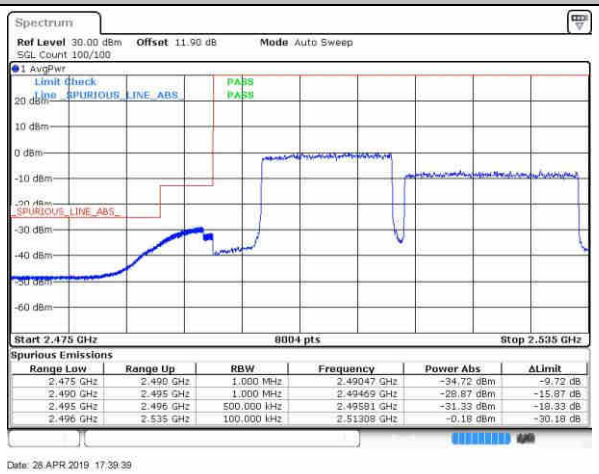
Highest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54954 GHz	19.62 dBm	-10.38 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57029 GHz	-40.48 dBm	-30.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57149 GHz	-44.16 dBm	-34.16 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57634 GHz	-47.07 dBm	-34.07 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.61042 GHz	-47.65 dBm	-22.65 dB

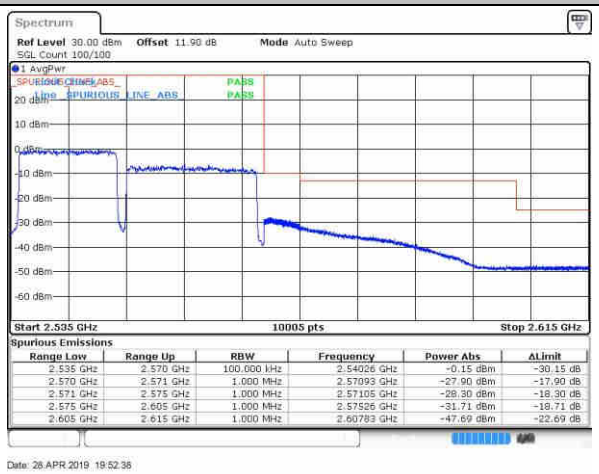
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-34.72 dBm	-9.72 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49469 GHz	-28.87 dBm	-15.87 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49581 GHz	-31.33 dBm	-18.33 dB
2.496 GHz	2.535 GHz	100.000 kHz	2.51308 GHz	-0.18 dBm	-30.18 dB

Highest Band Edge / Full RB



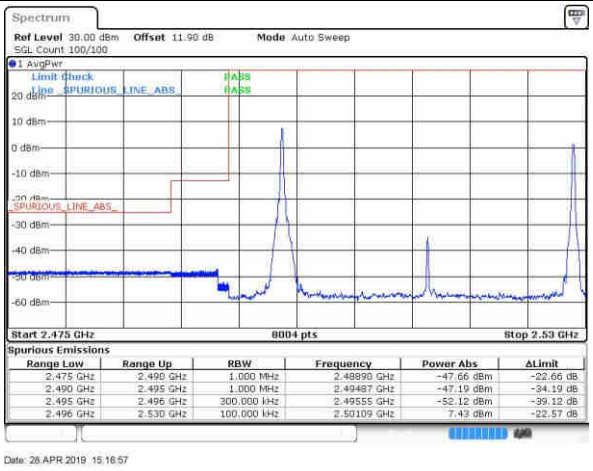
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54026 GHz	-0.15 dBm	-30.15 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57093 GHz	-27.90 dBm	-17.90 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-28.30 dBm	-18.30 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57526 GHz	-31.71 dBm	-18.71 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.60783 GHz	-47.69 dBm	-22.69 dB

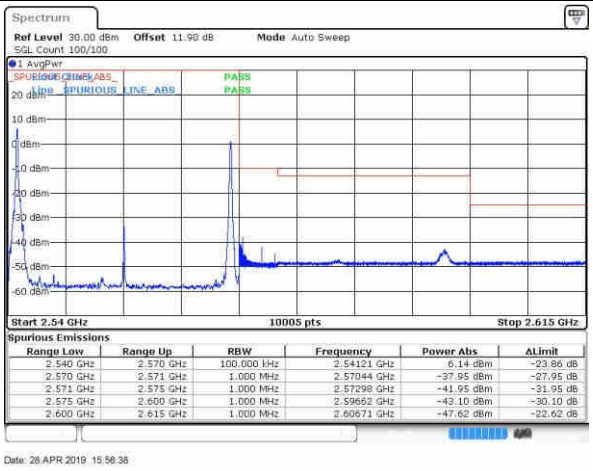
LTE Band 7 / 20MHz+10MHz

16QAM

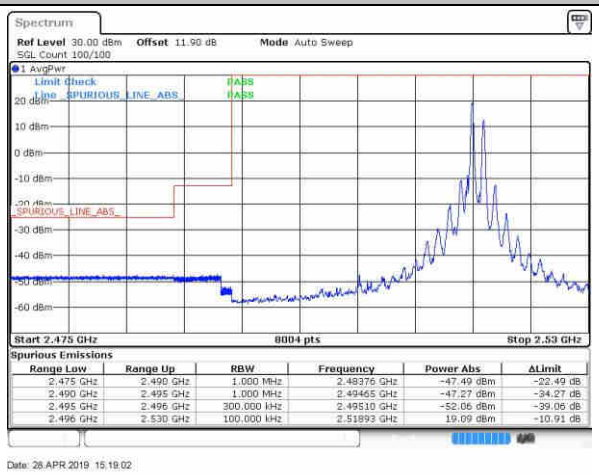
Lowest Band Edge / 1RB0 and 1RB49



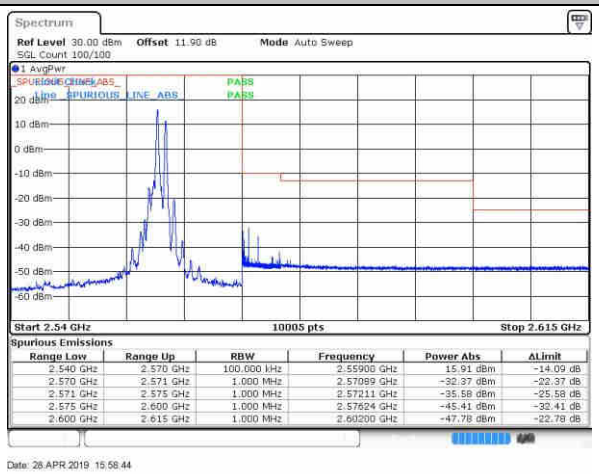
Highest Band Edge / 1RB0 and 1RB49



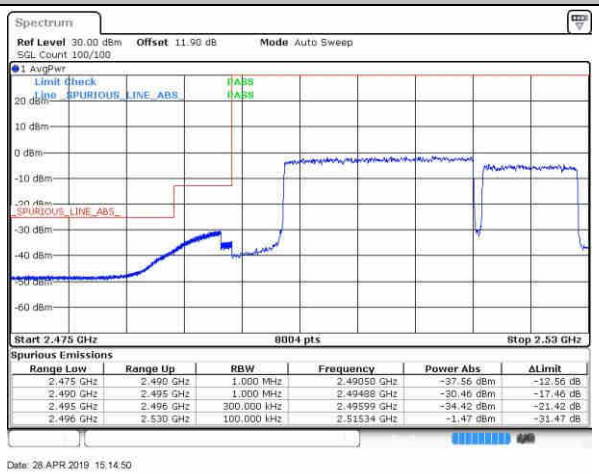
Lowest Band Edge / 1RB99 and 1RB0



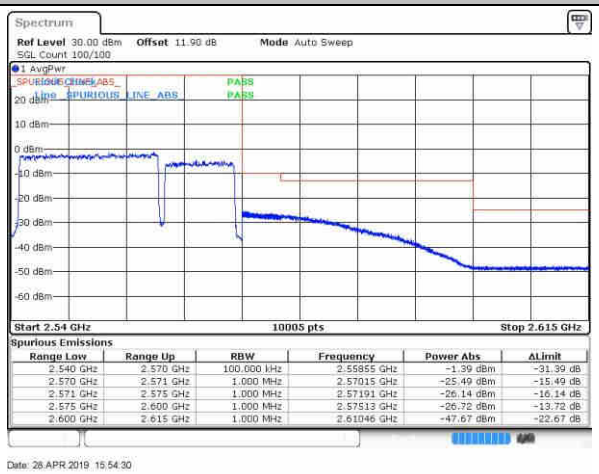
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



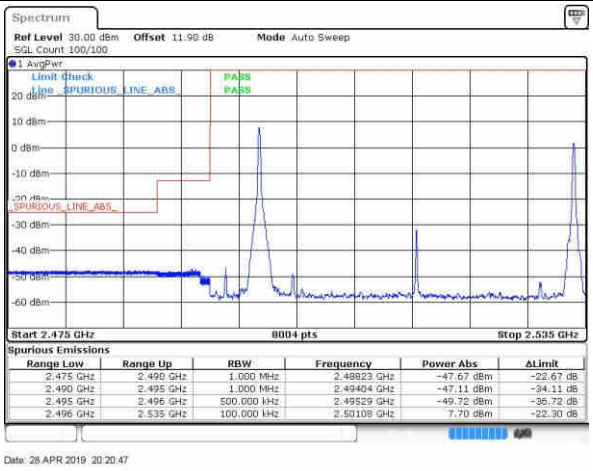
Highest Band Edge / Full RB



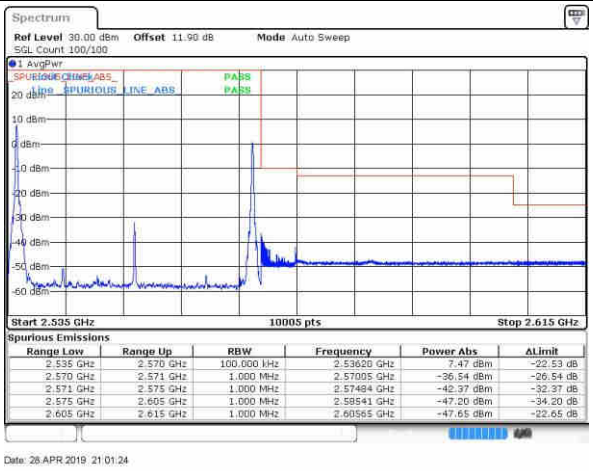
LTE Band 7 / 20MHz+15MHz

16QAM

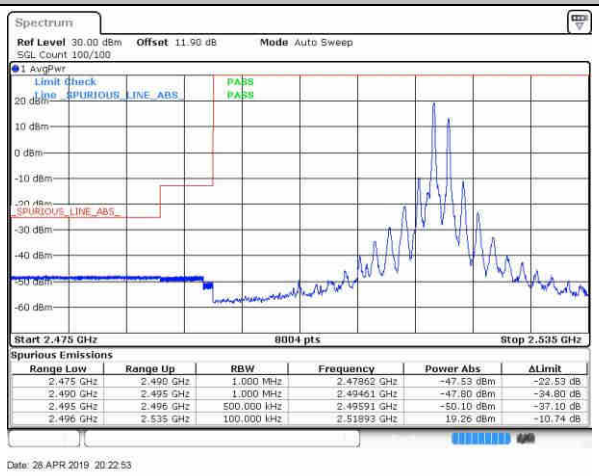
Lowest Band Edge / 1RB0 and 1RB74



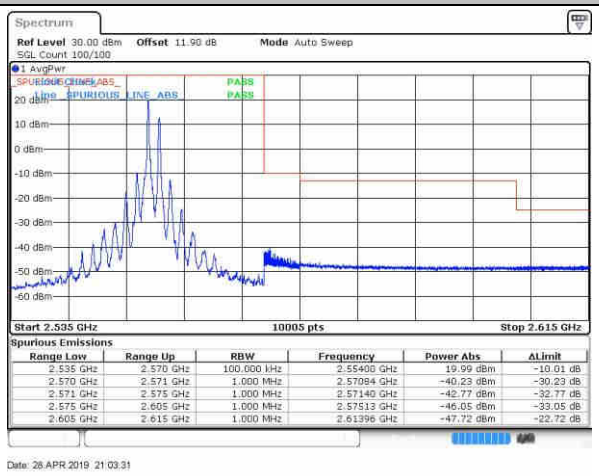
Highest Band Edge / 1RB0 and 1RB74



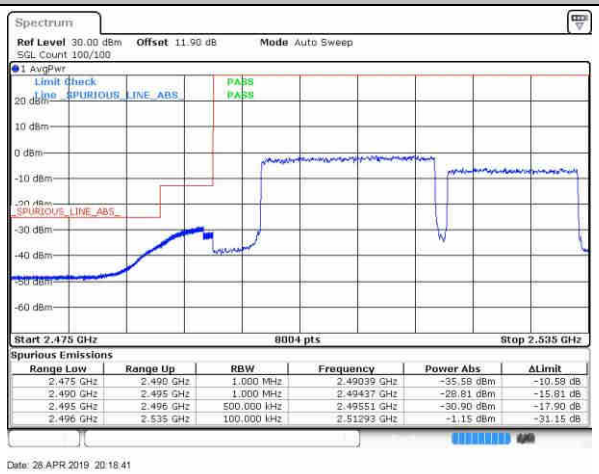
Lowest Band Edge / 1RB99 and 1RB0



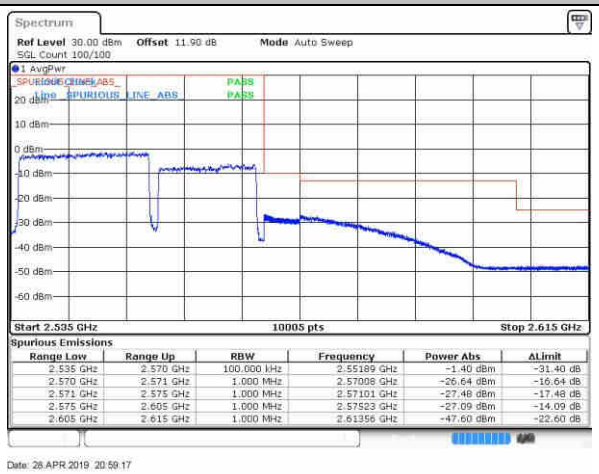
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



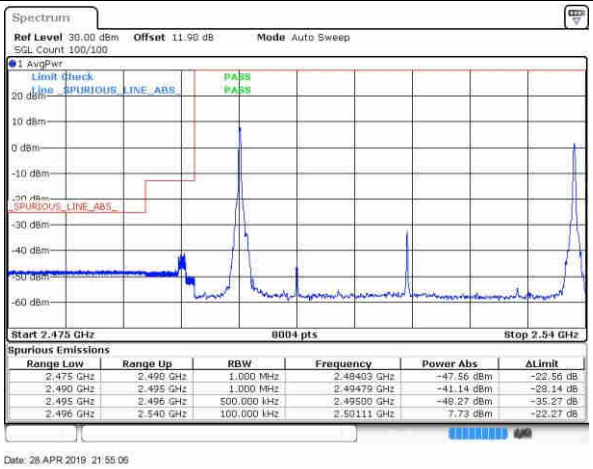
Highest Band Edge / Full RB



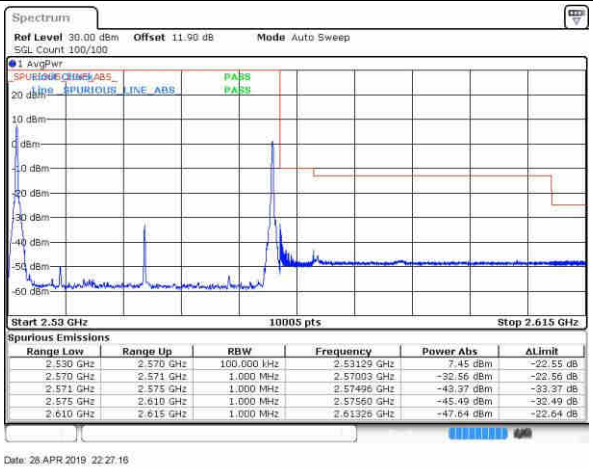
LTE Band 7 / 20MHz+20MHz

16QAM

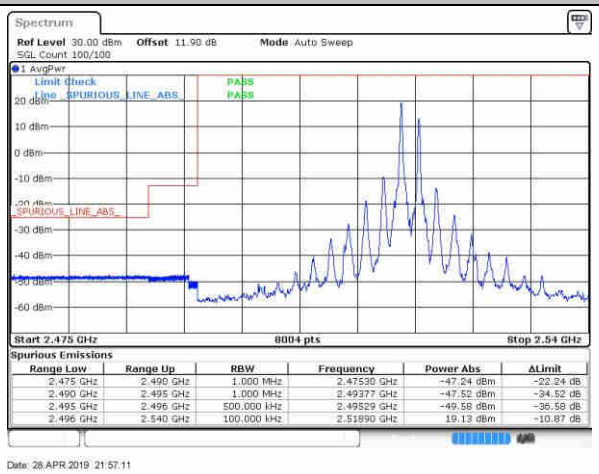
Lowest Band Edge / 1RB0 and 1RB99



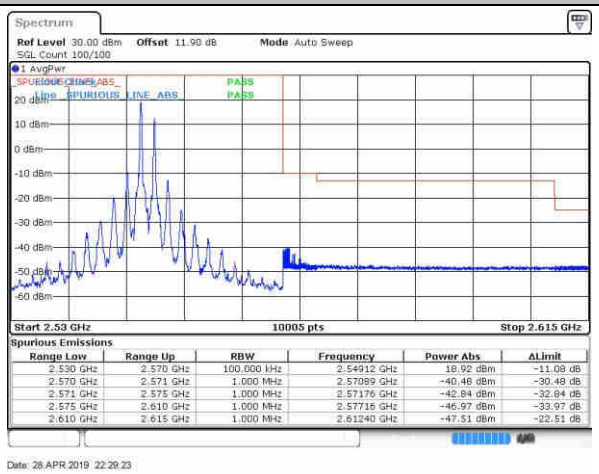
Highest Band Edge / 1RB0 and 1RB99



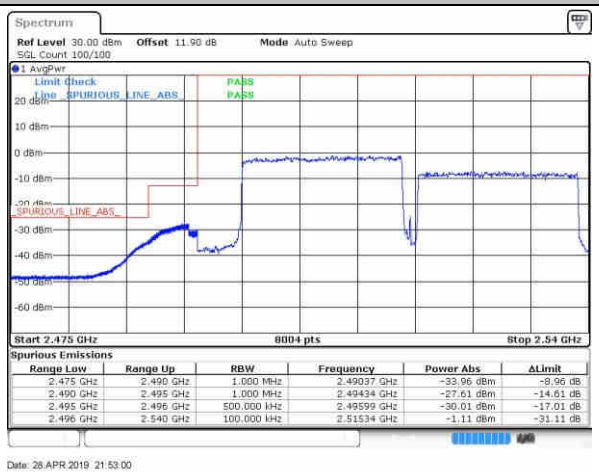
Lowest Band Edge / 1RB99 and 1RB0



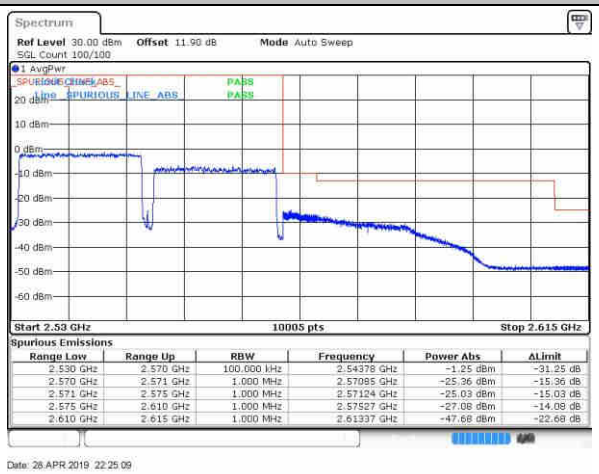
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



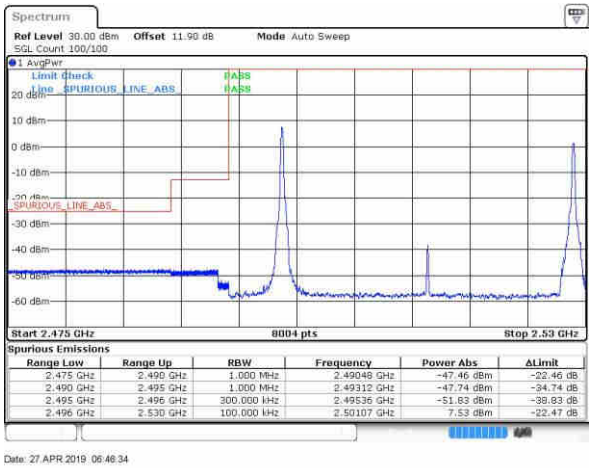
Highest Band Edge / Full RB



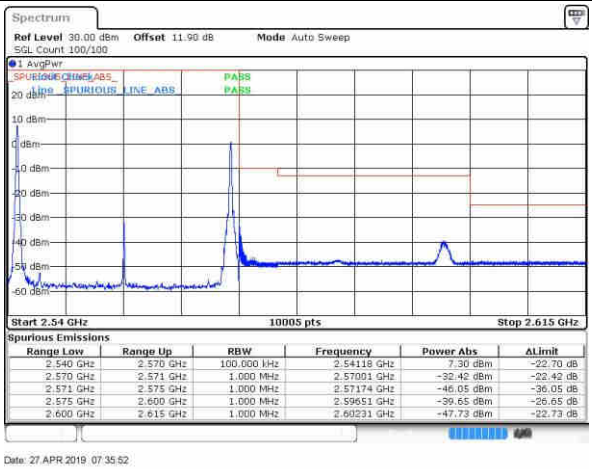
LTE Band 7 / 10MHz+20MHz

64QAM

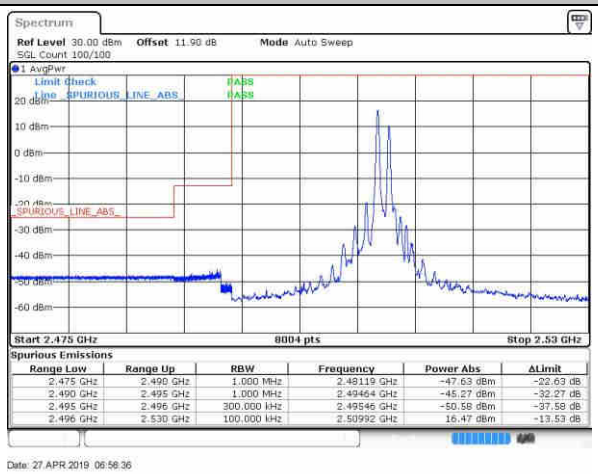
Lowest Band Edge / 1RB0 and 1RB99



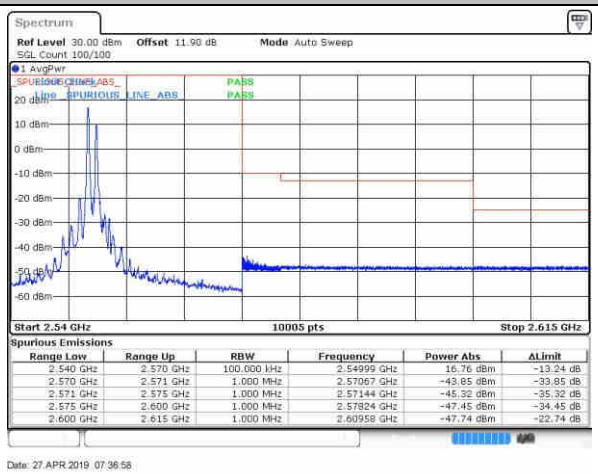
Highest Band Edge / 1RB0 and 1RB99



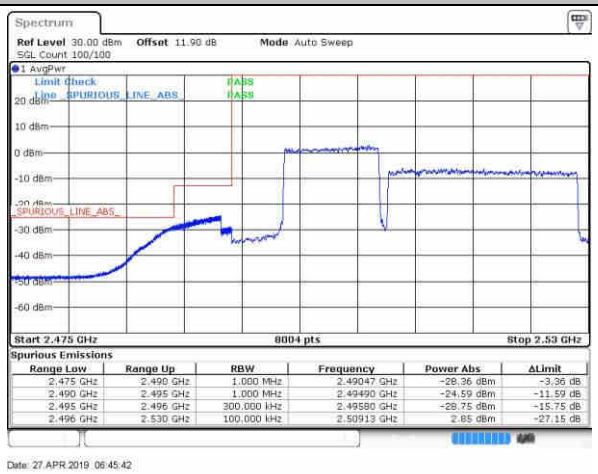
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

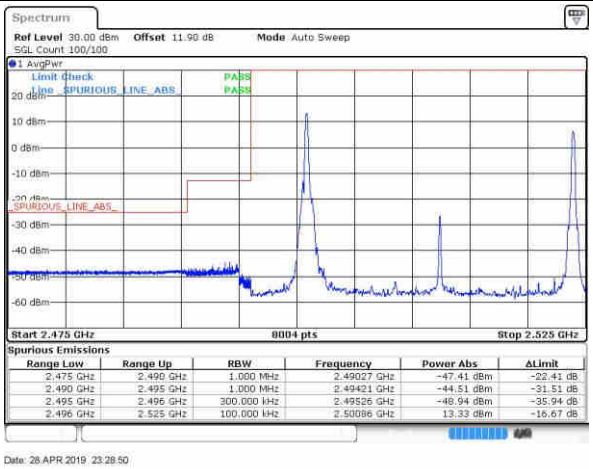


Highest Band Edge / Full RB

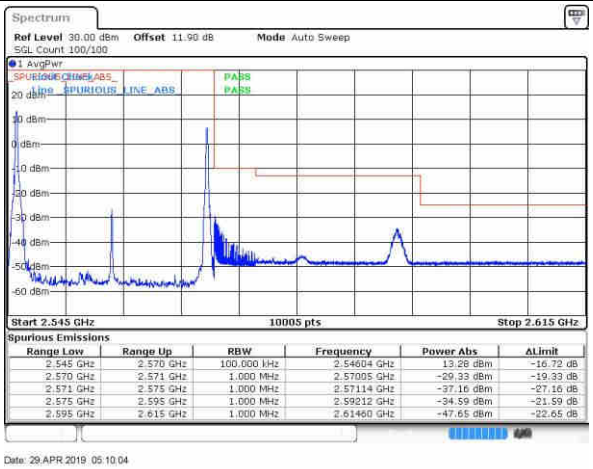
LTE Band 7 / 15MHz+10MHz

64QAM

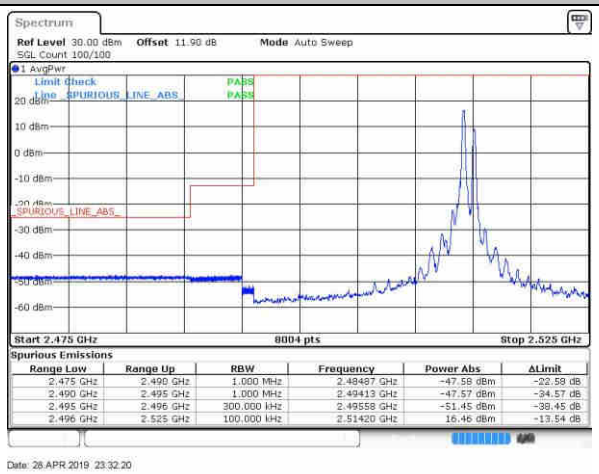
Lowest Band Edge / 1RB0 and 1RB49



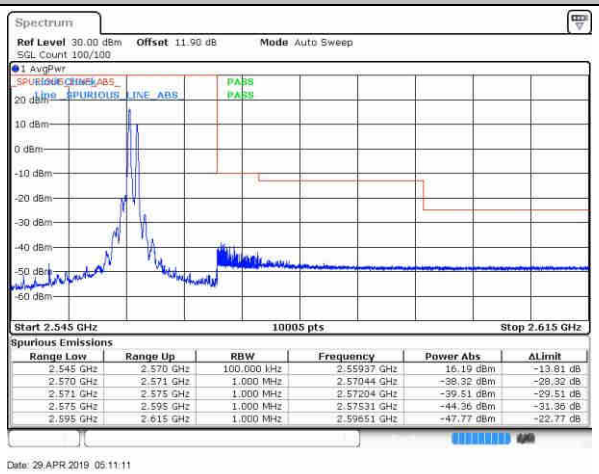
Highest Band Edge / 1RB0 and 1RB49



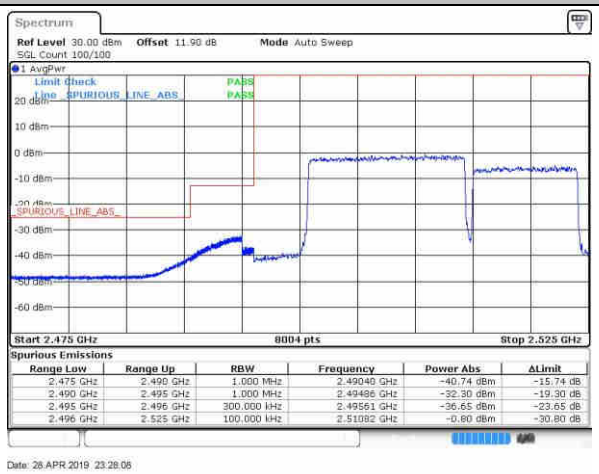
Lowest Band Edge / 1RB74 and 1RB0



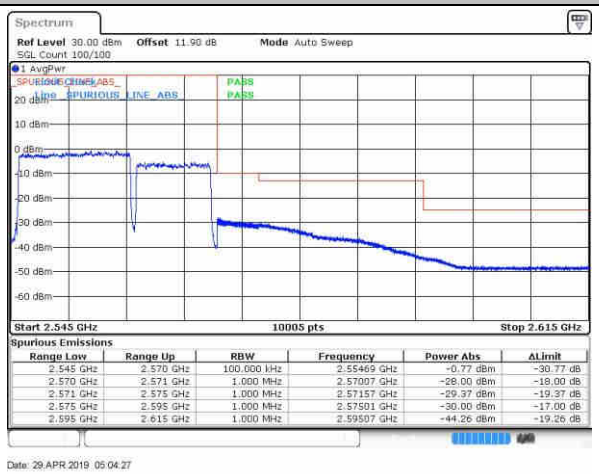
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



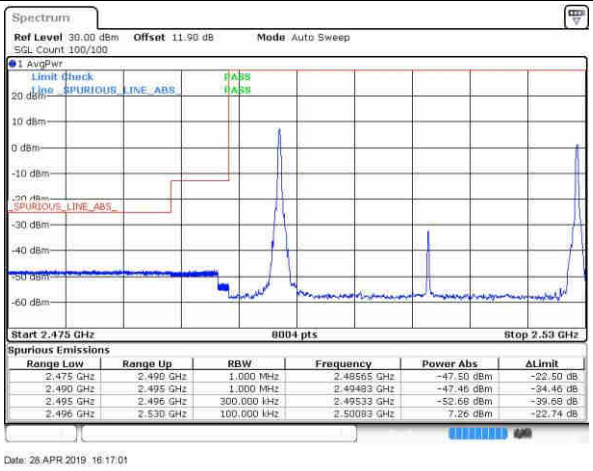
Highest Band Edge / Full RB



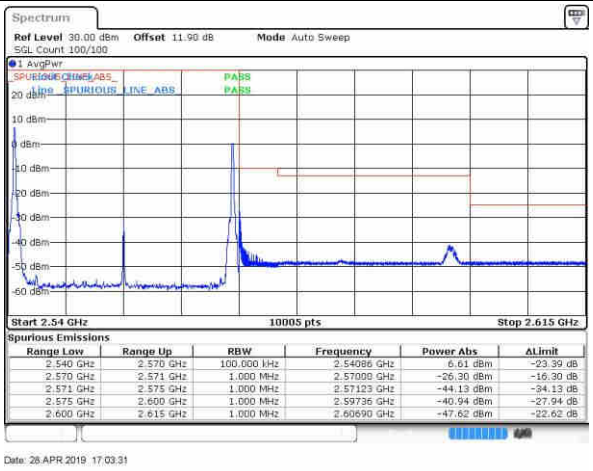
LTE Band 7 / 15MHz+15MHz

64QAM

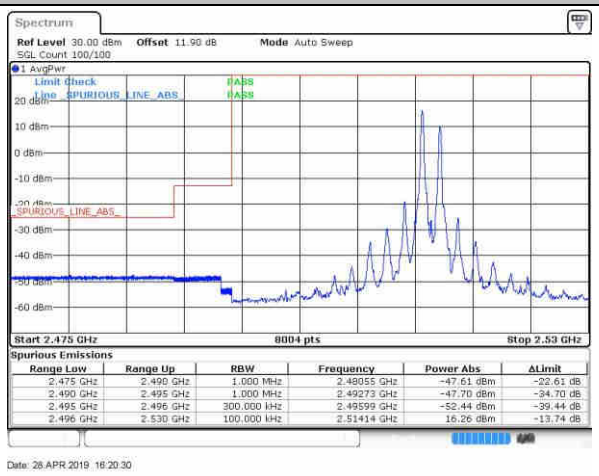
Lowest Band Edge / 1RB0 and 1RB74



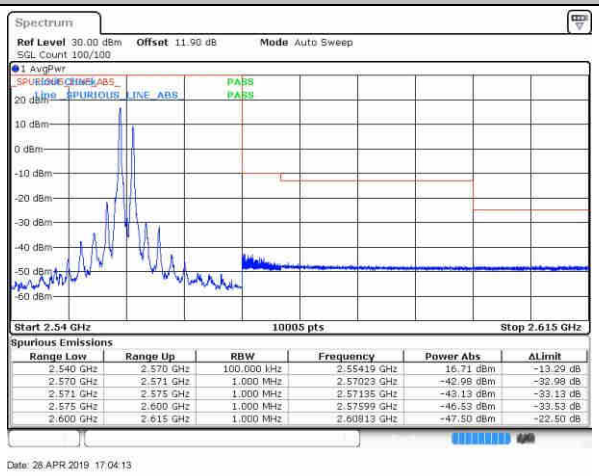
Highest Band Edge / 1RB0 and 1RB74



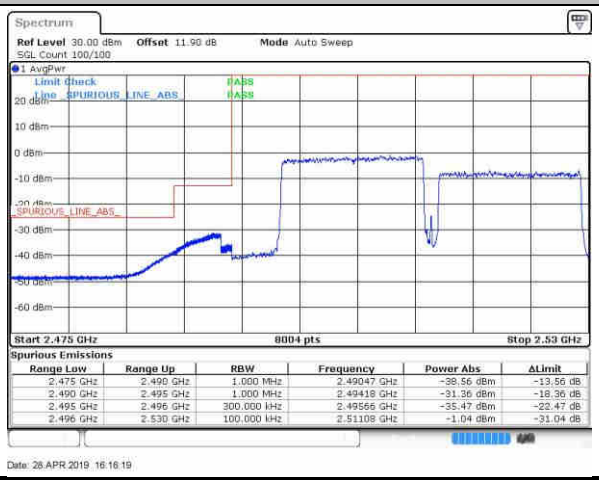
Lowest Band Edge / 1RB74 and 1RB0



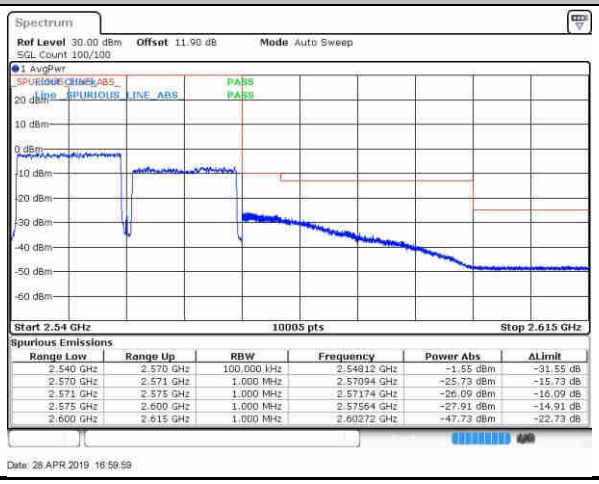
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



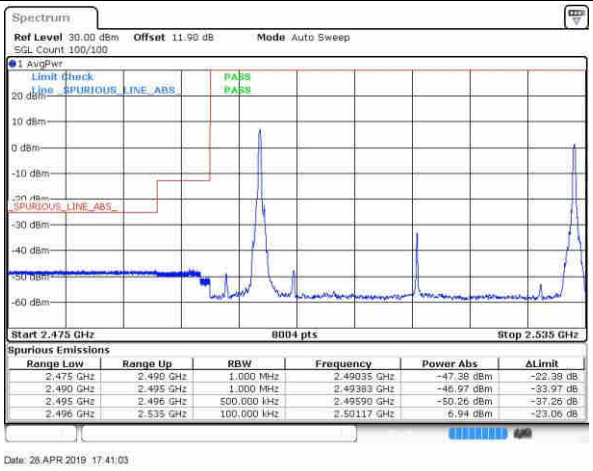
Highest Band Edge / Full RB



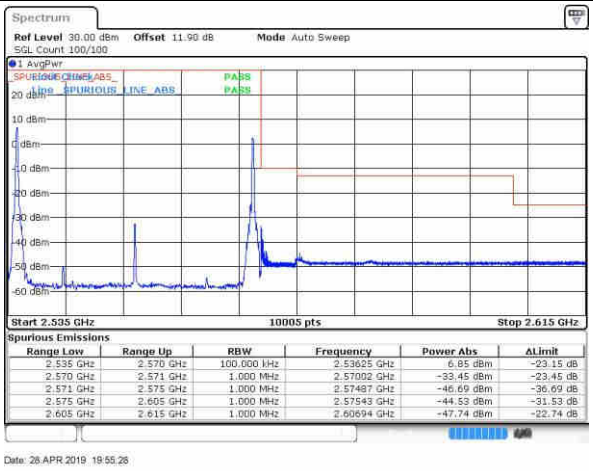
LTE Band 7 / 15MHz+20MHz

64QAM

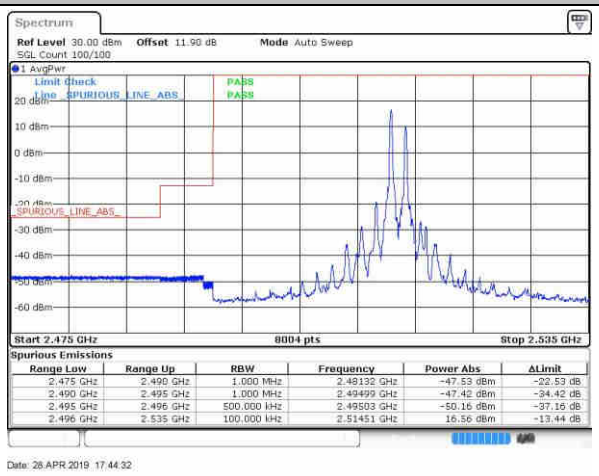
Lowest Band Edge / 1RB0 and 1RB99



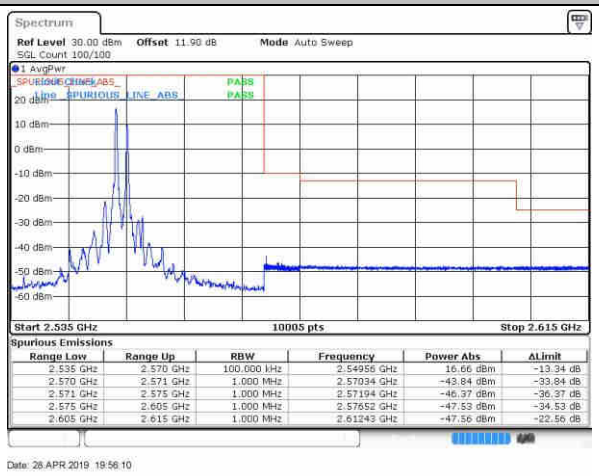
Highest Band Edge / 1RB0 and 1RB99



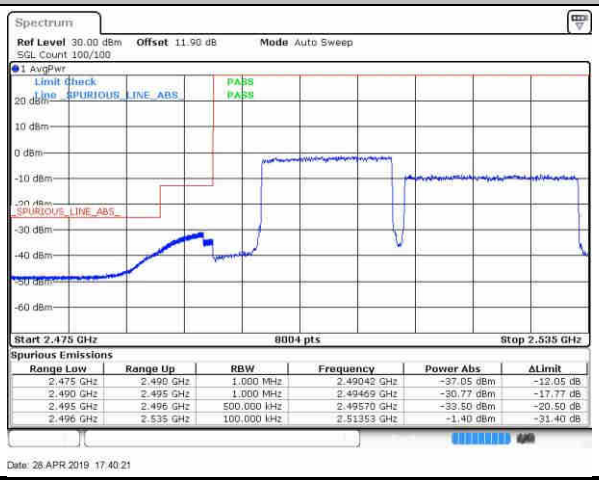
Lowest Band Edge / 1RB74 and 1RB0



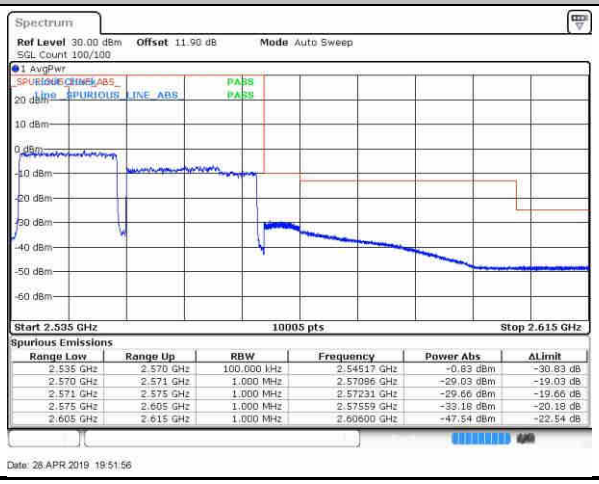
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



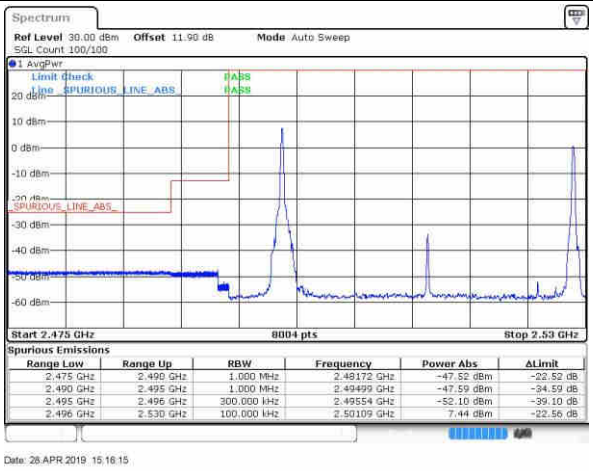
Highest Band Edge / Full RB



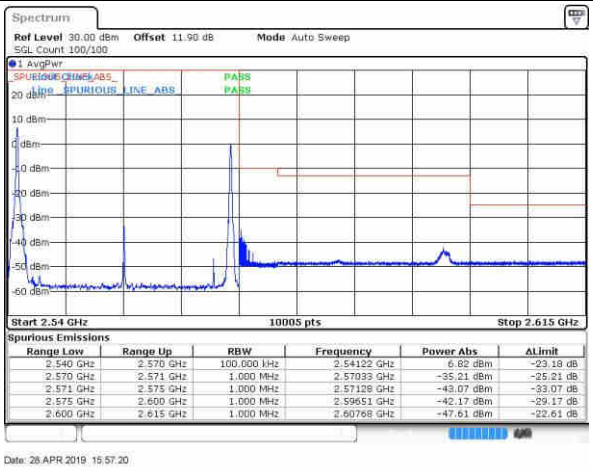
LTE Band 7 / 20MHz+10MHz

64QAM

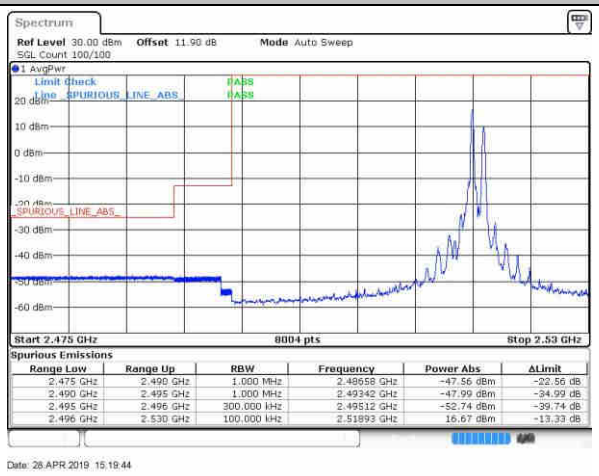
Lowest Band Edge / 1RB0 and 1RB49



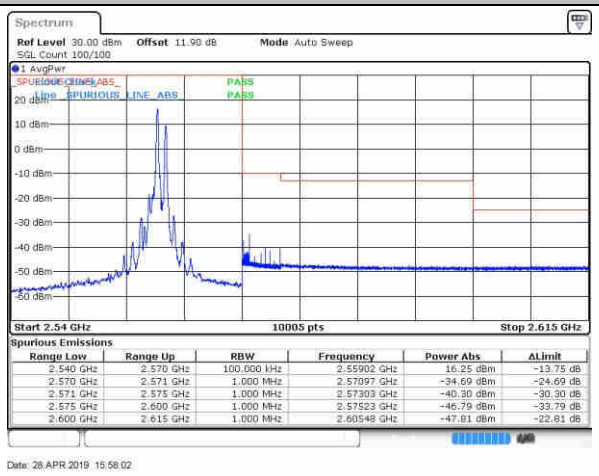
Highest Band Edge / 1RB0 and 1RB49



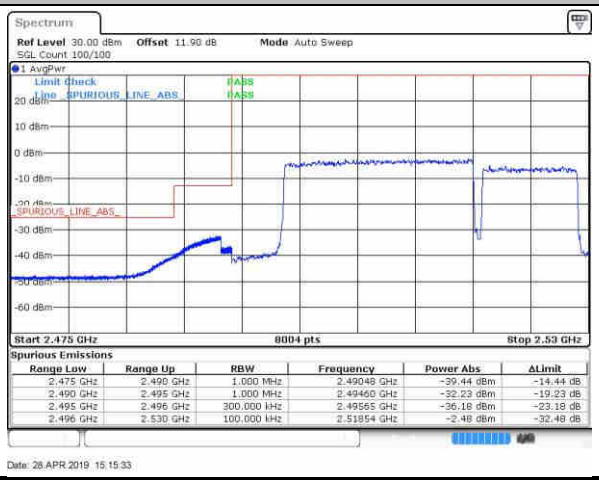
Lowest Band Edge / 1RB99 and 1RB0



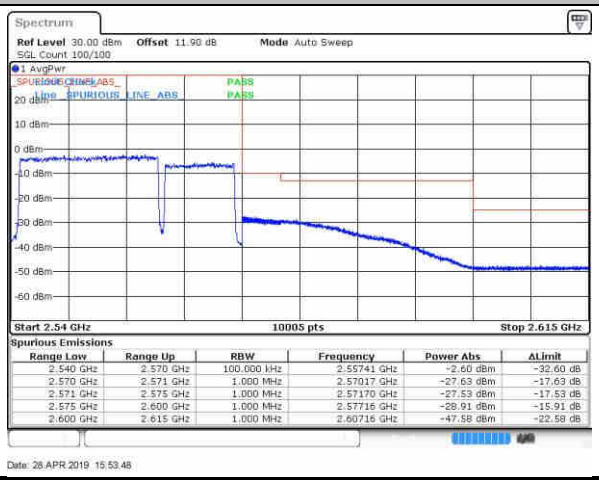
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



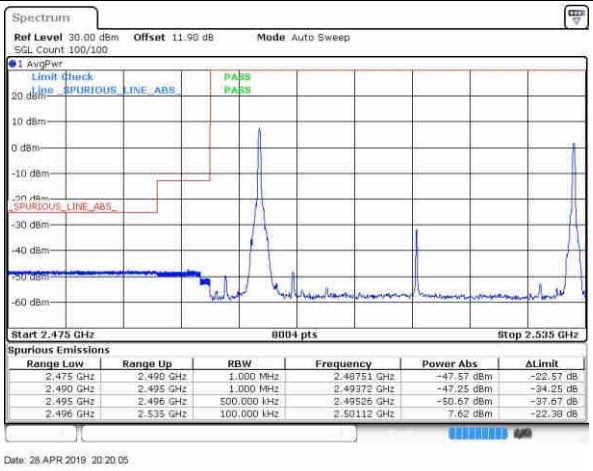
Highest Band Edge / Full RB



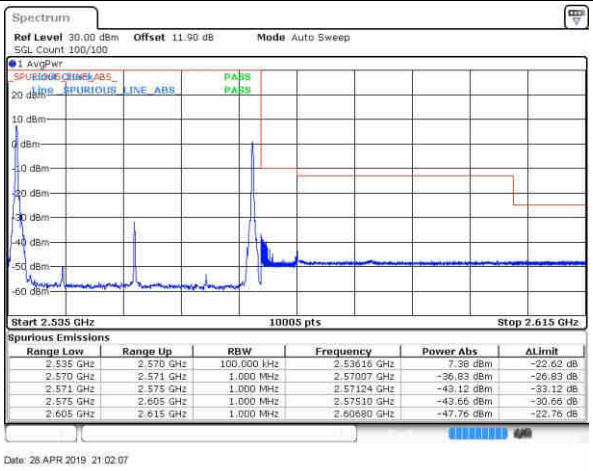
LTE Band 7 / 20MHz+15MHz

64QAM

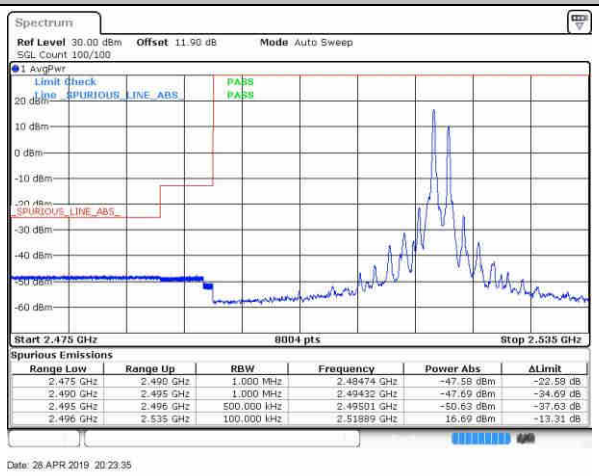
Lowest Band Edge / 1RB0 and 1RB74



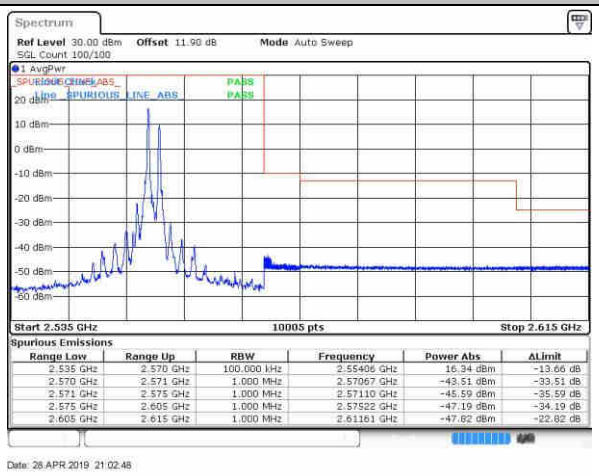
Highest Band Edge / 1RB0 and 1RB74



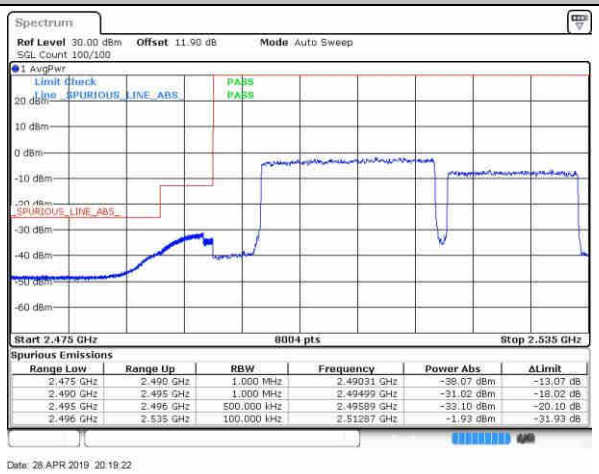
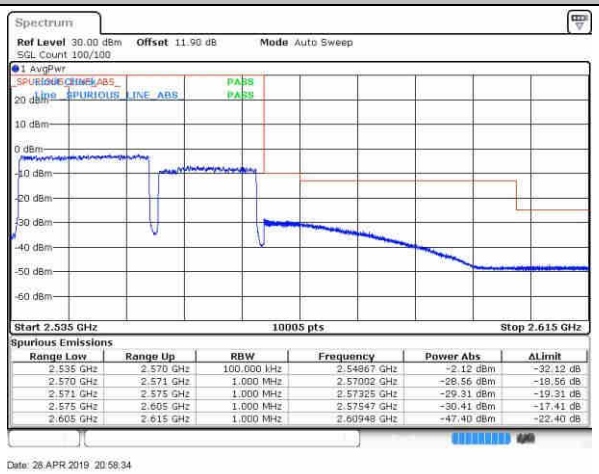
Lowest Band Edge / 1RB99 and 1RB0



Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB