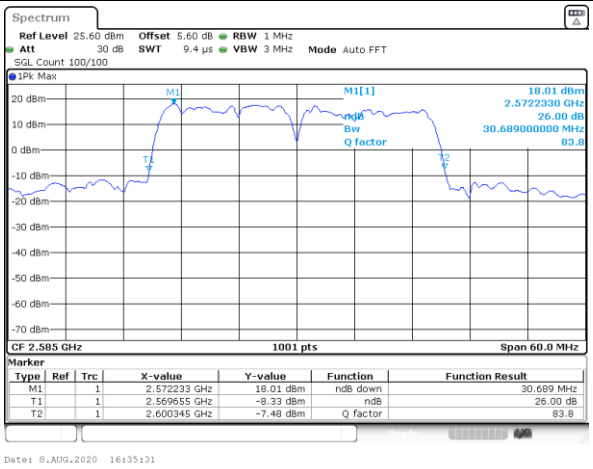
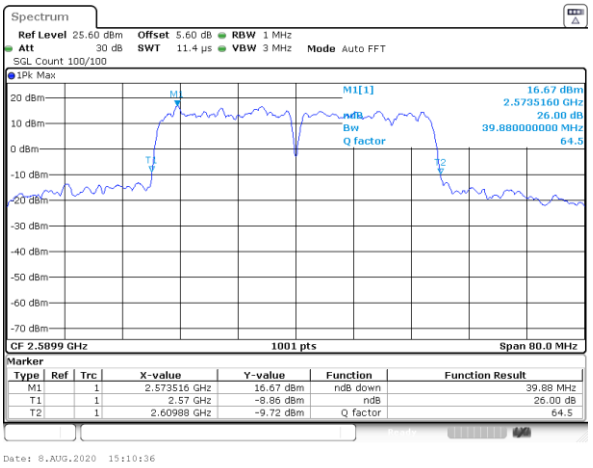
LTE Band 38C

QPSK

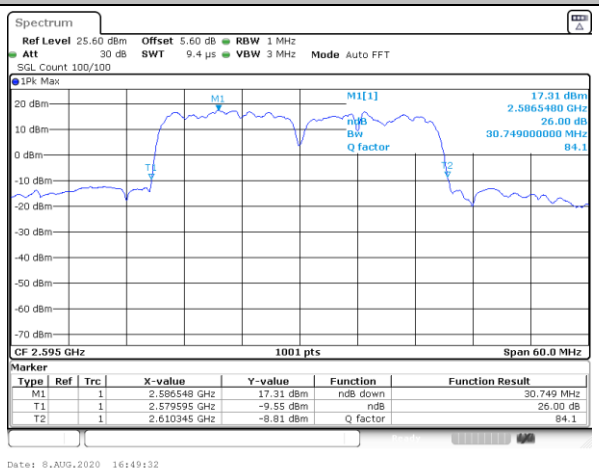
Lowest Channel / 15MHz+15MHz



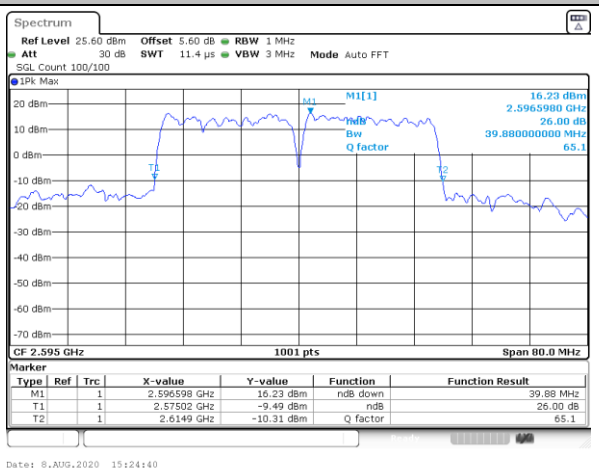
Lowest Channel / 20MHz+20MHz



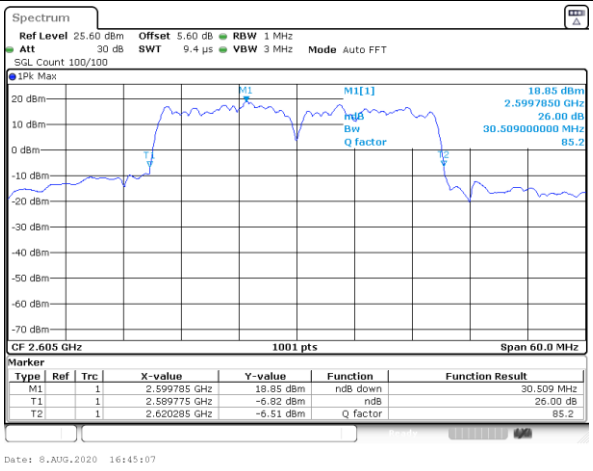
Middle Channel / 15MHz+15MHz



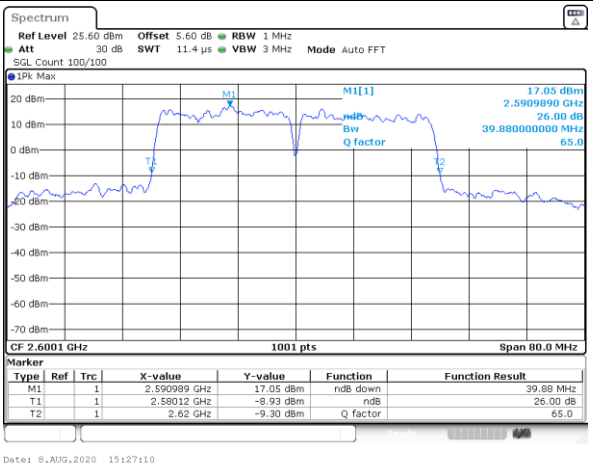
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



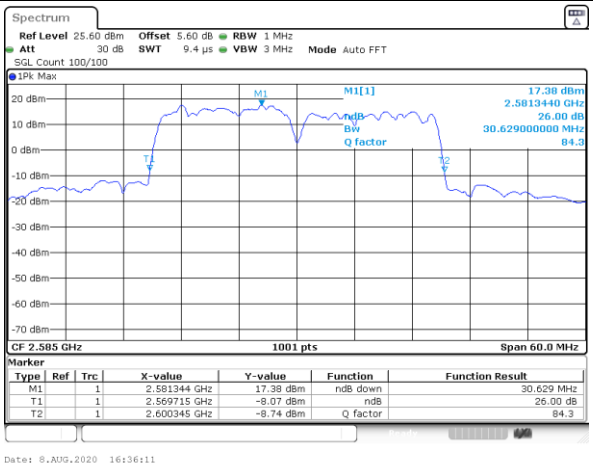
Highest Channel / 20MHz+20MHz



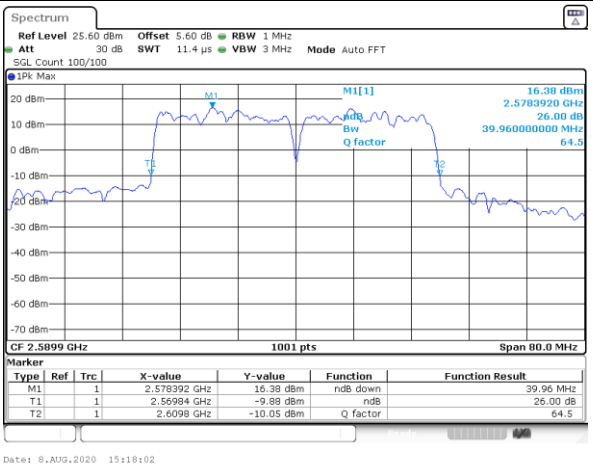
LTE Band 38C

16QAM

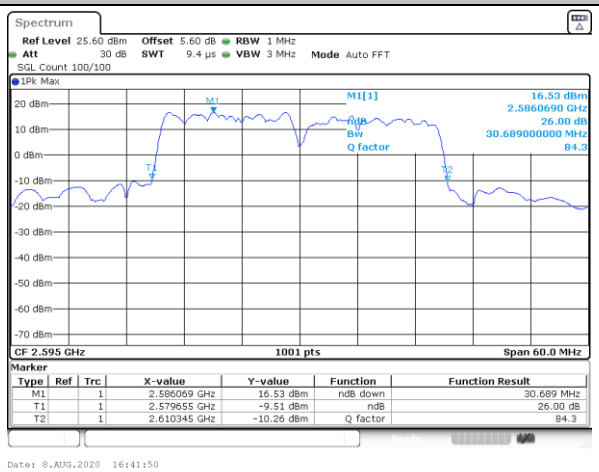
Lowest Channel / 15MHz+15MHz



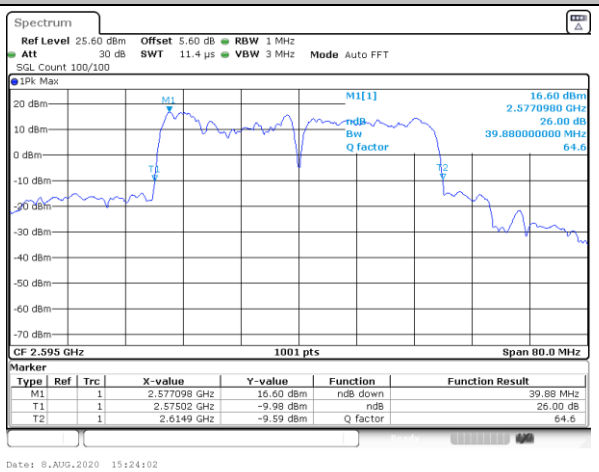
Lowest Channel / 20MHz+20MHz



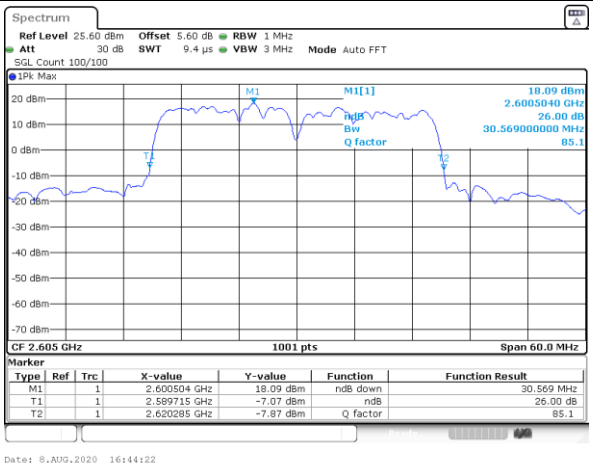
Middle Channel / 15MHz+15MHz



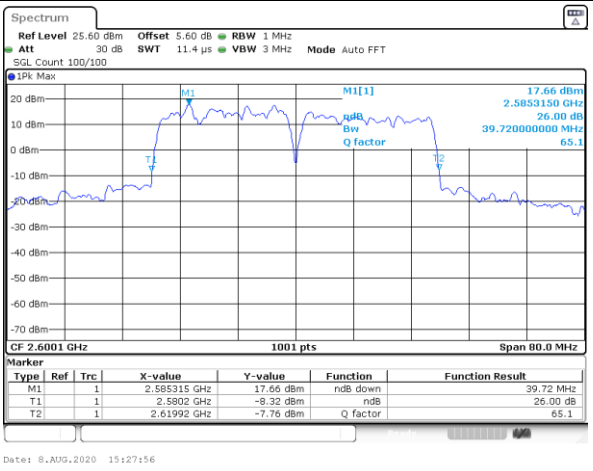
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



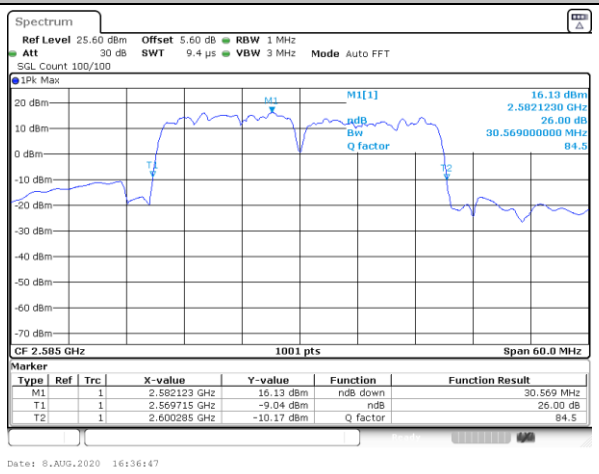
Highest Channel / 20MHz+20MHz



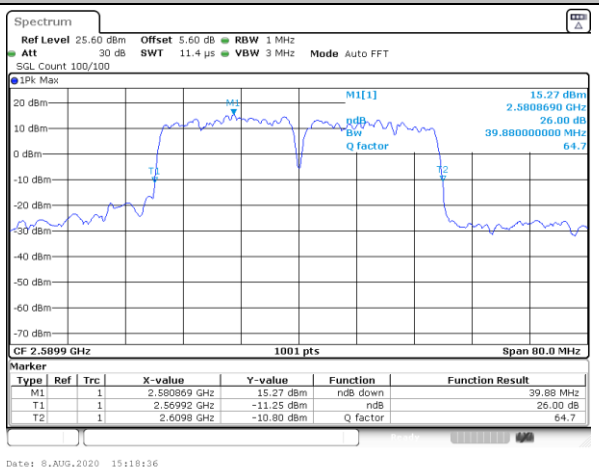
LTE Band 38C

64QAM

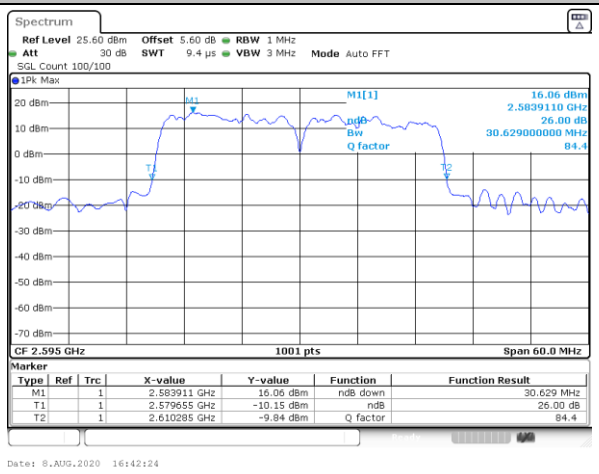
Lowest Channel / 15MHz+15MHz



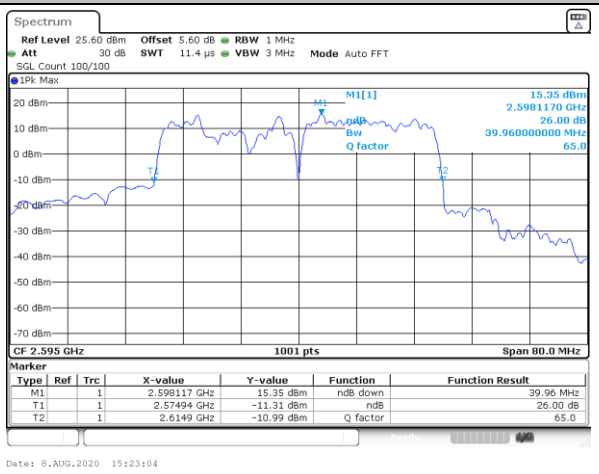
Lowest Channel / 20MHz+20MHz



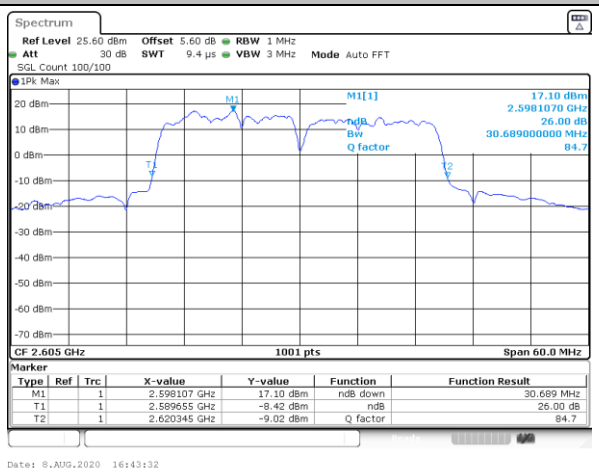
Middle Channel / 15MHz+15MHz



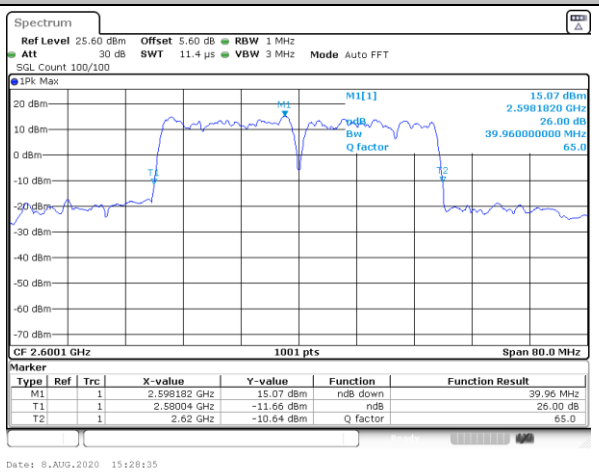
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MH



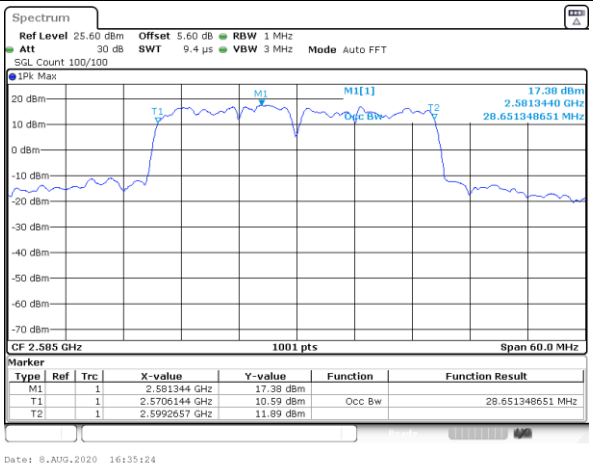
Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	28.65	28.65	28.59
Middle CH	28.65	28.77	28.59
Highest CH	28.89	28.59	28.35
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	37.48	37.80	37.72
Middle CH	37.56	37.64	37.88
Highest CH	37.40	37.64	37.48

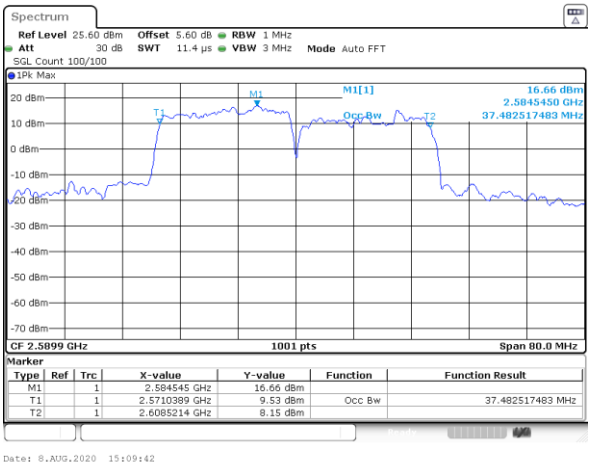
LTE Band 38C

QPSK

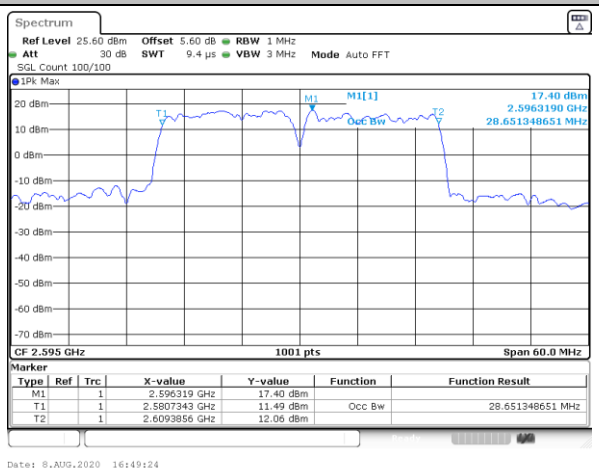
Lowest Channel / 15MHz+15MHz



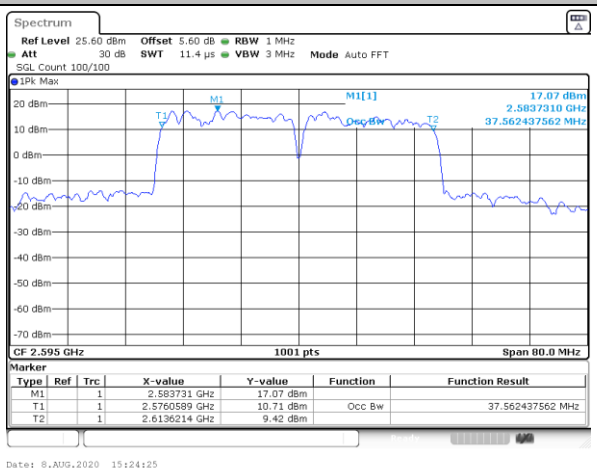
Lowest Channel / 20MHz+20MHz



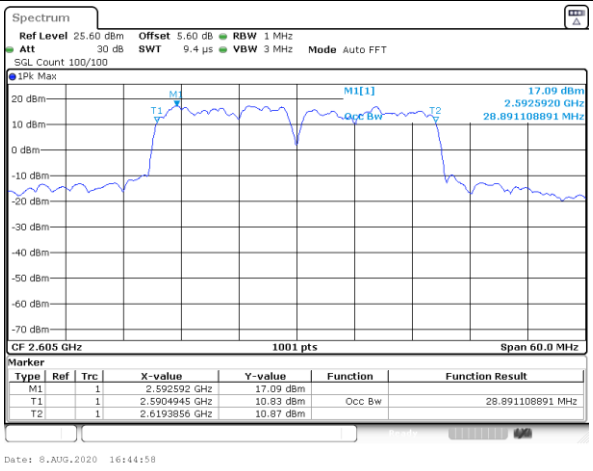
Middle Channel / 15MHz+15MHz



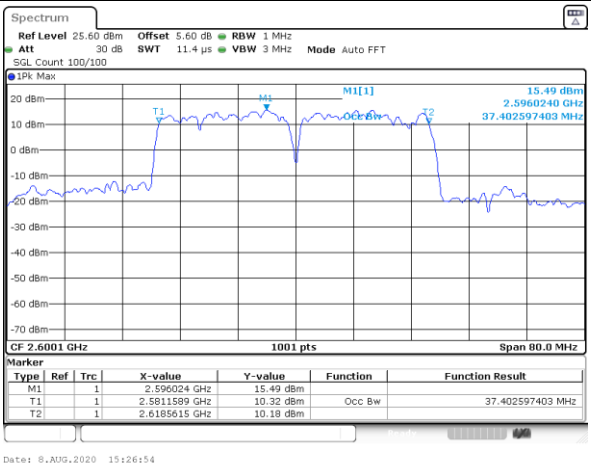
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



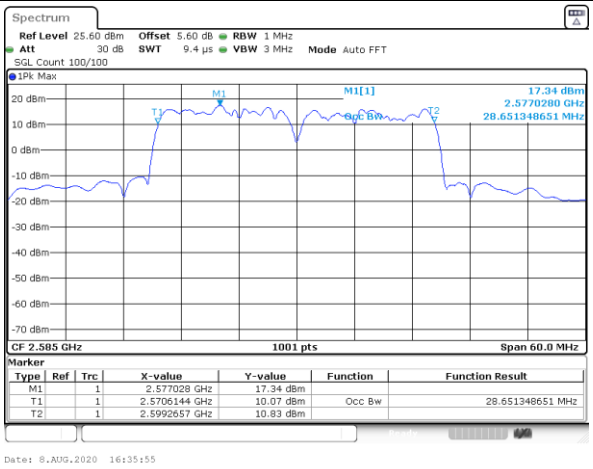
Highest Channel / 20MHz+20MHz



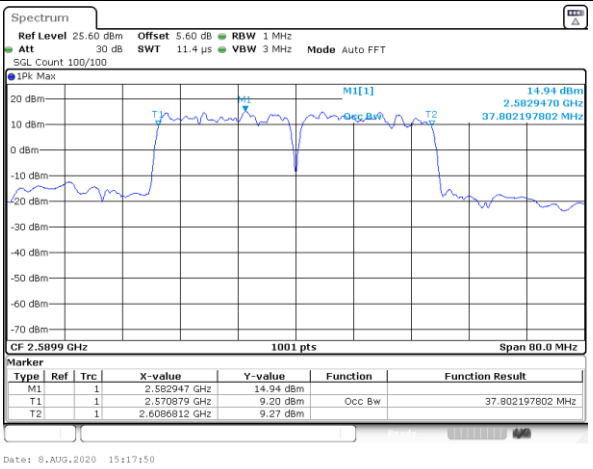
LTE Band 38C

16QAM

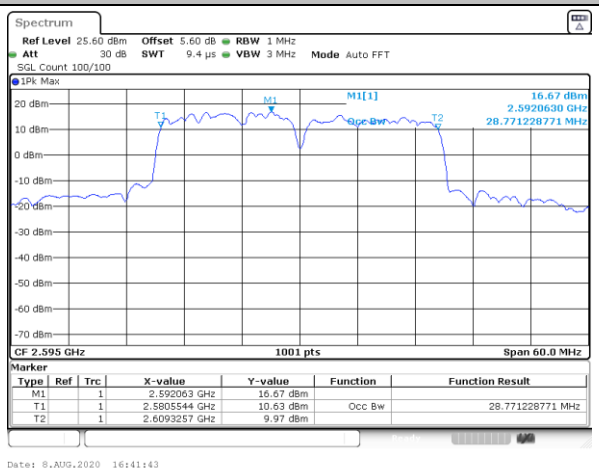
Lowest Channel / 15MHz+15MHz



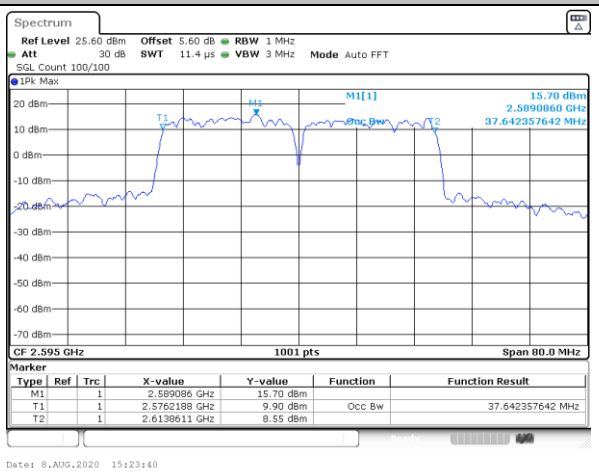
Lowest Channel / 20MHz+20MHz



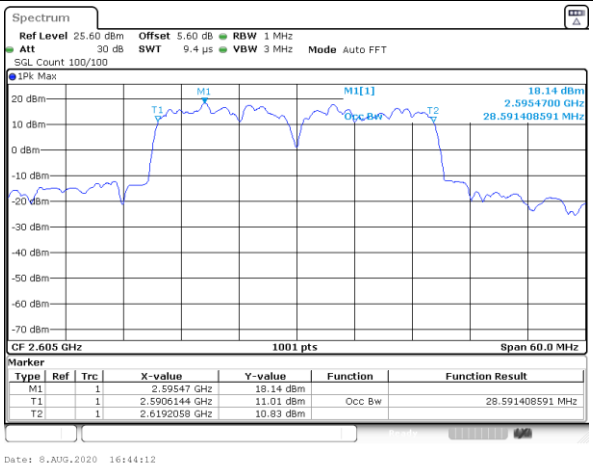
Middle Channel / 15MHz+15MHz



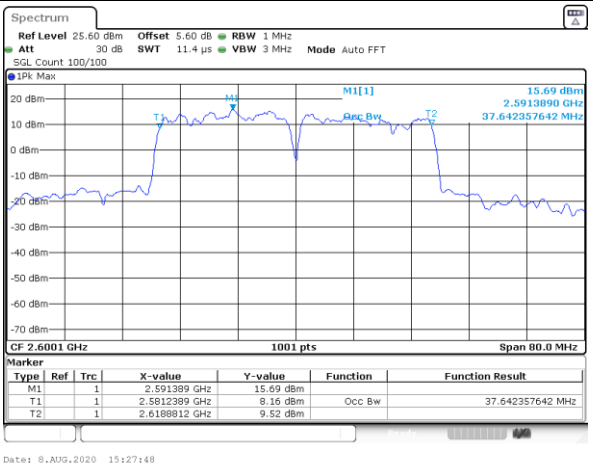
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



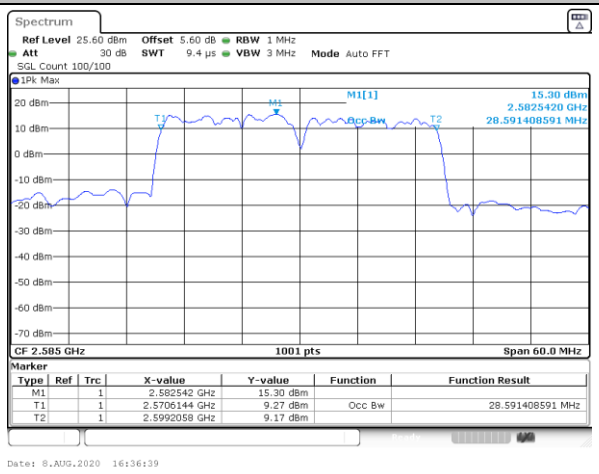
Highest Channel / 20MHz+20MHz



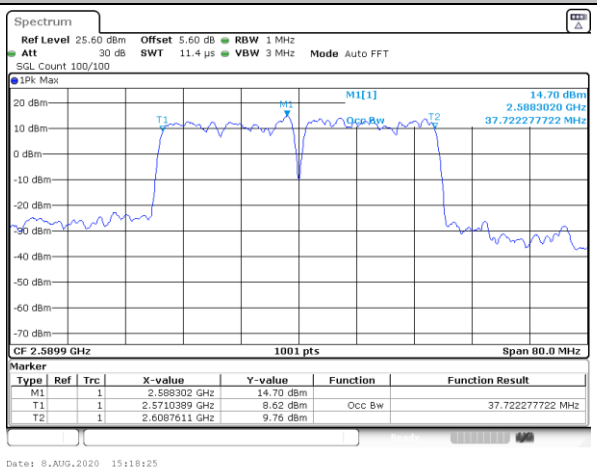
LTE Band 38C

64QAM

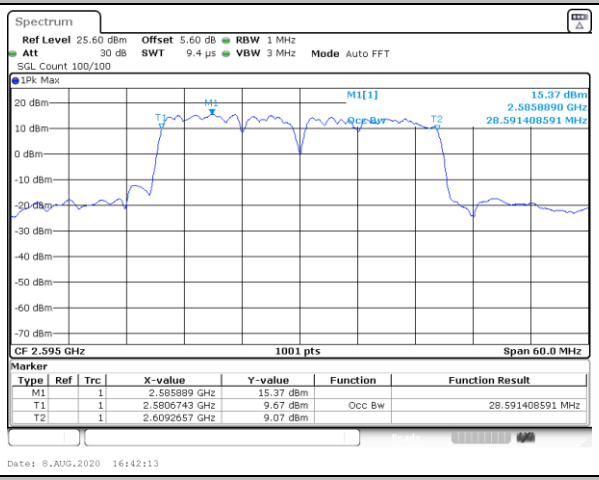
Lowest Channel / 15MHz+15MHz



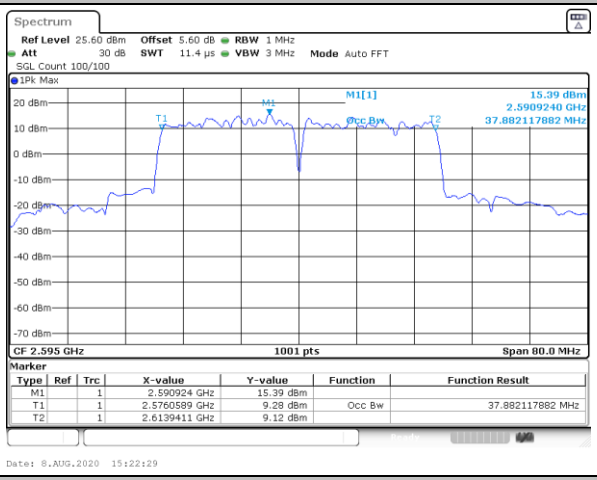
Lowest Channel / 20MHz+20MHz



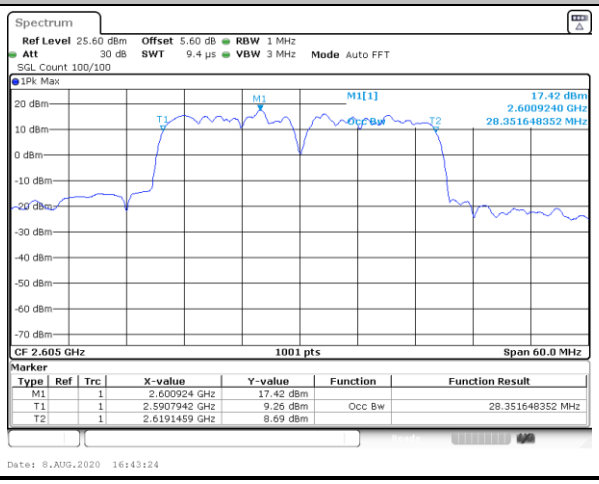
Middle Channel / 15MHz+15MHz



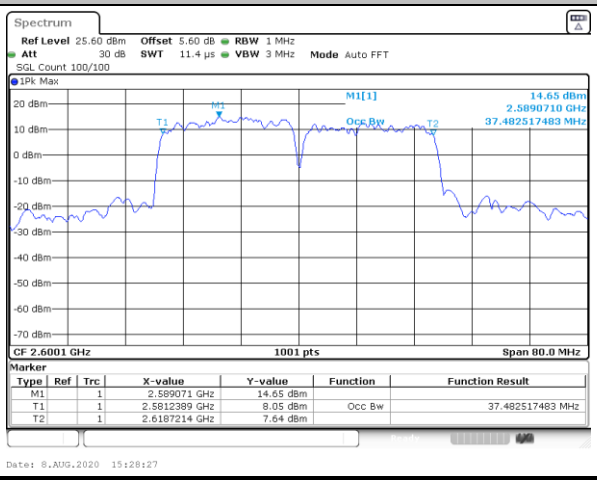
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MH

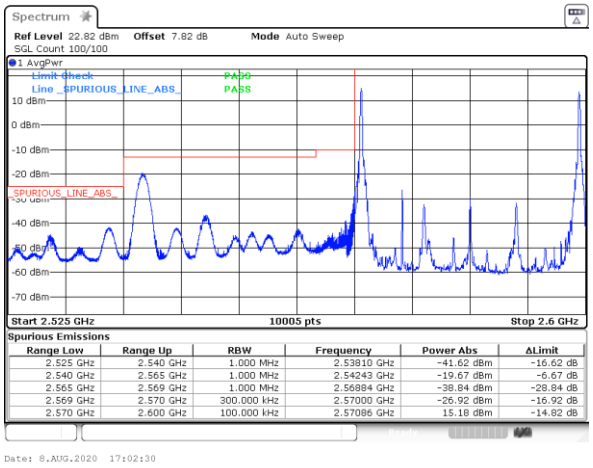


Conducted Band Edge

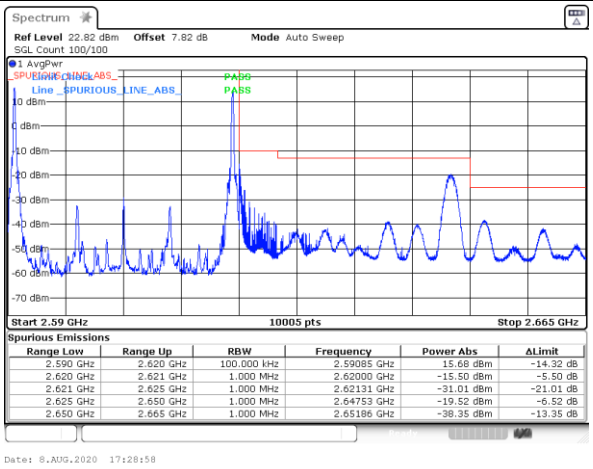
LTE Band 38C / 15MHz+15MHz

QPSK

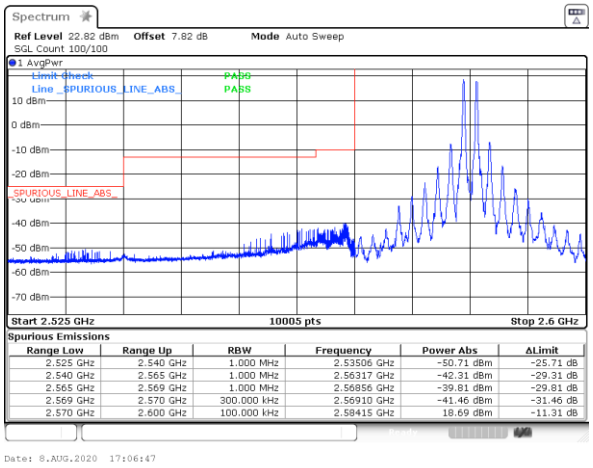
Lowest Band Edge / 1RB0 and 1RB74



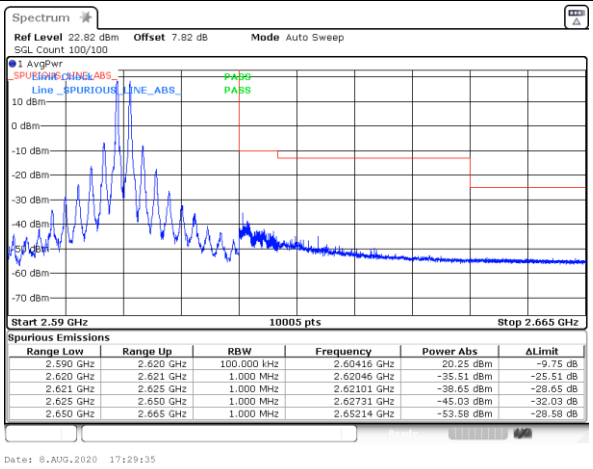
Highest Band Edge / 1RB0 and 1RB74



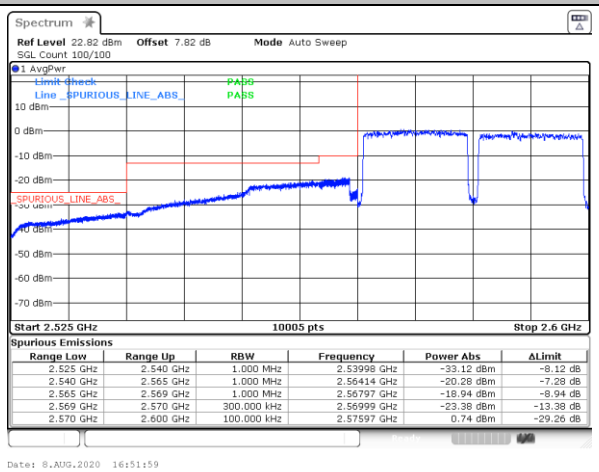
Lowest Band Edge / 1RB74 and 1RB0



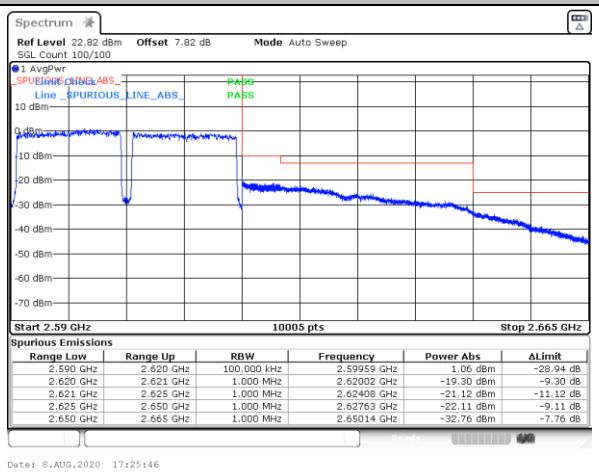
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



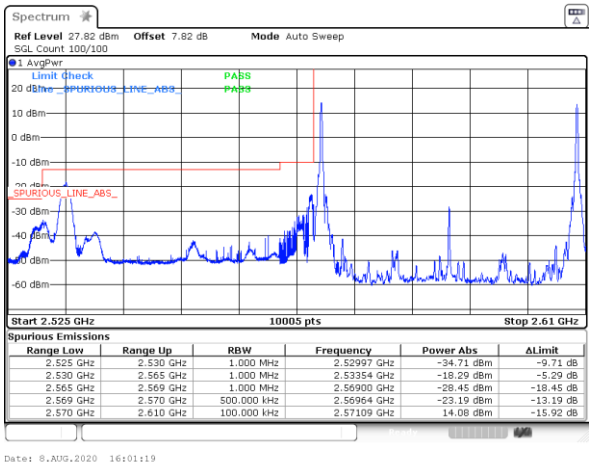
Highest Band Edge / Full RB



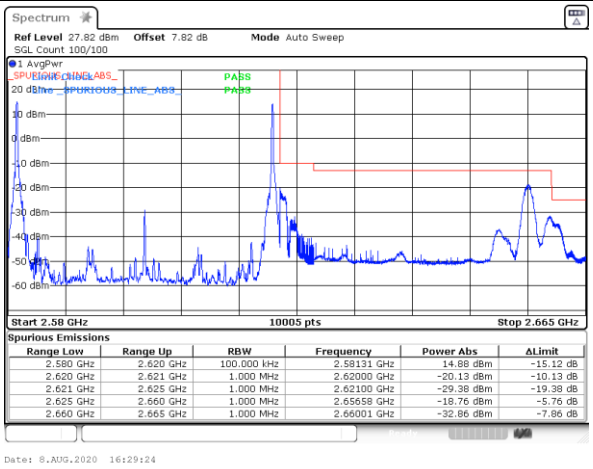
LTE Band 38C / 20MHz+20MHz

QPSK

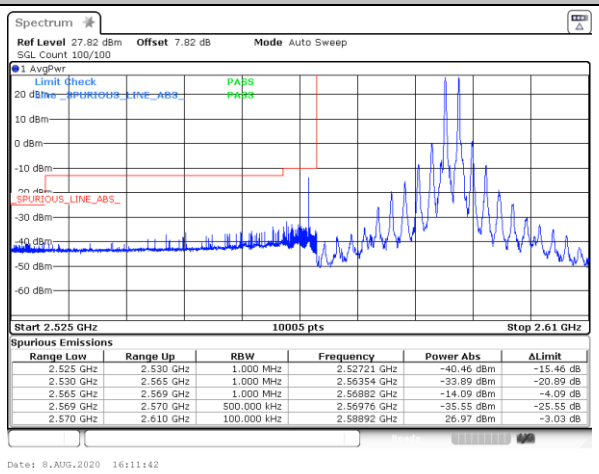
Lowest Band Edge / 1RB0 and 1RB99



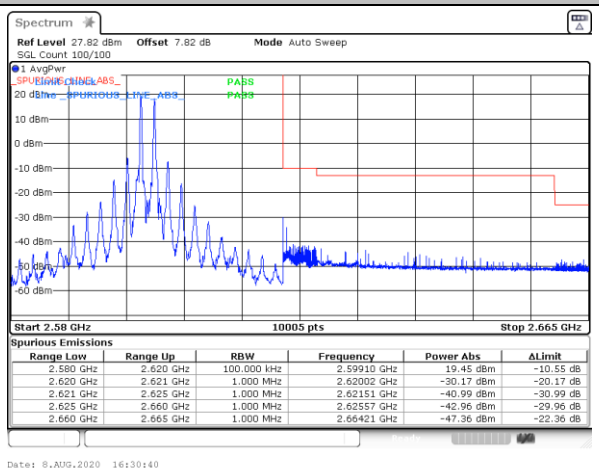
Highest Band Edge / 1RB0 and 1RB99



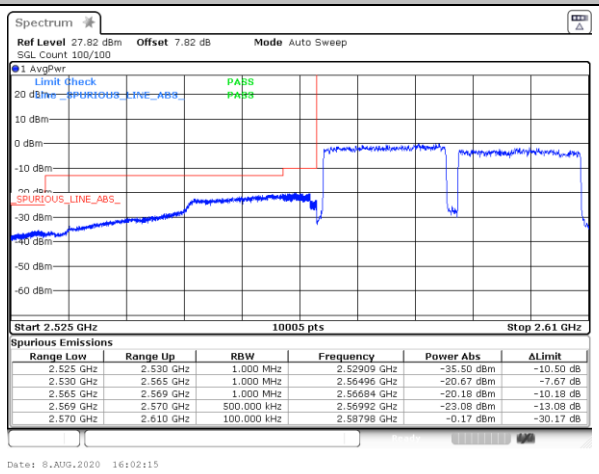
Lowest Band Edge / 1RB99 and 1RB0



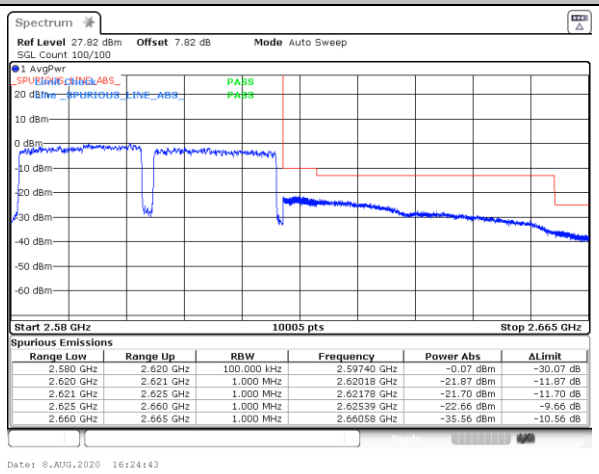
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



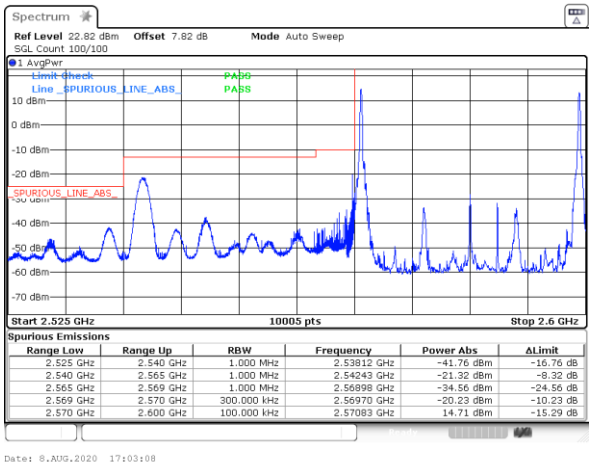
Highest Band Edge / Full RB



LTE Band 38C / 15MHz+15MHz

16QAM

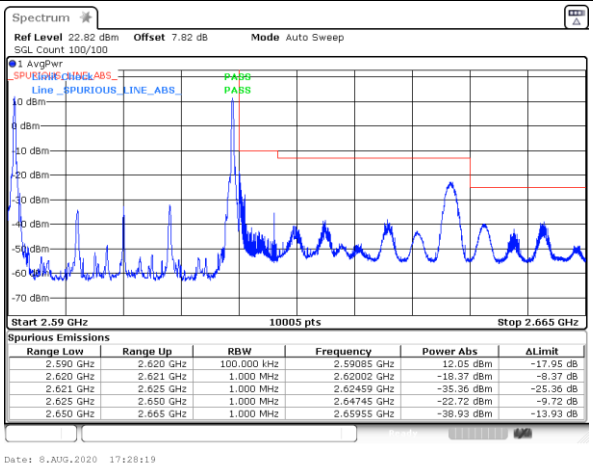
Lowest Band Edge / 1RB0 and 1RB74



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53812 GHz	-41.76 dBm	-16.76 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.54243 GHz	-21.32 dBm	-8.32 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56898 GHz	-34.56 dBm	-24.56 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56970 GHz	-20.23 dBm	-10.23 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.57083 GHz	14.71 dBm	-15.29 dB

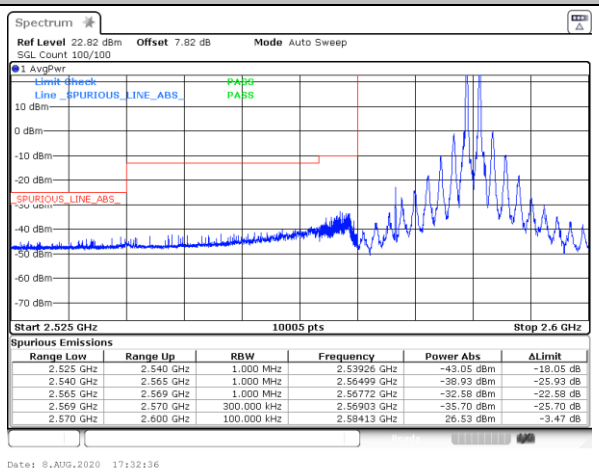
Highest Band Edge / 1RB0 and 1RB74



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.59085 GHz	12.05 dBm	-17.95 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62002 GHz	-18.37 dBm	-8.37 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62459 GHz	-35.36 dBm	-25.36 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.64745 GHz	-22.72 dBm	-9.72 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.65955 GHz	-38.93 dBm	-13.93 dB

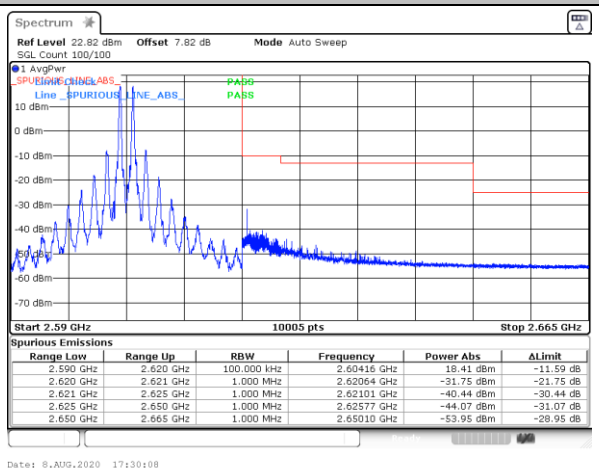
Lowest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53926 GHz	-43.05 dBm	-18.05 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56499 GHz	-38.93 dBm	-25.93 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56772 GHz	-32.58 dBm	-22.58 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56903 GHz	-35.70 dBm	-25.70 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.58413 GHz	26.53 dBm	-3.47 dB

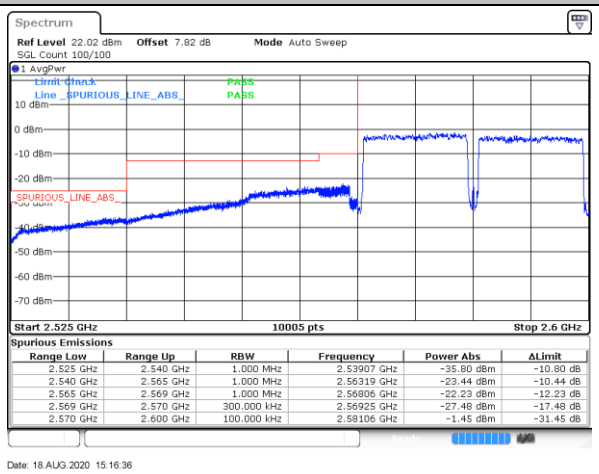
Highest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.60416 GHz	18.41 dBm	-11.59 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62064 GHz	-31.75 dBm	-21.75 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-40.44 dBm	-30.44 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62577 GHz	-44.07 dBm	-31.07 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.65010 GHz	-53.95 dBm	-28.95 dB

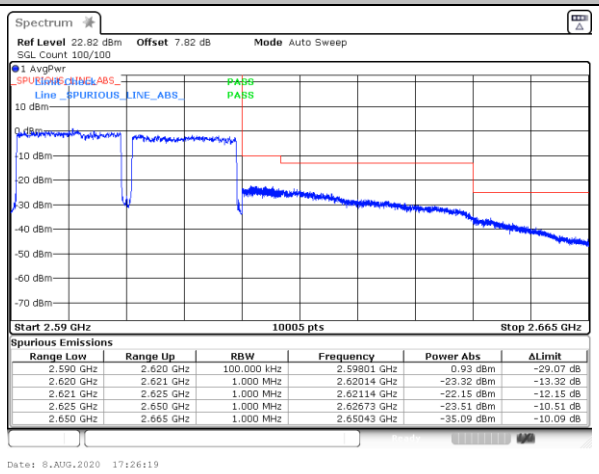
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53907 GHz	-35.80 dBm	-10.80 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56319 GHz	-23.44 dBm	-10.44 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56806 GHz	-22.23 dBm	-12.23 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56925 GHz	-27.48 dBm	-17.48 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.58106 GHz	-1.45 dBm	-31.45 dB

Highest Band Edge / Full RB



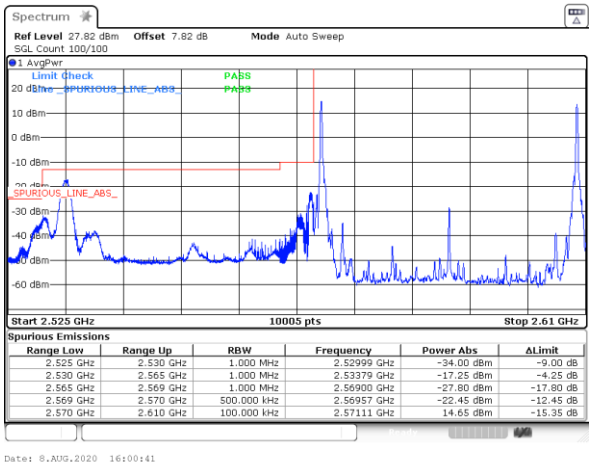
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.59801 GHz	0.93 dBm	-29.07 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62014 GHz	-23.32 dBm	-13.32 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62114 GHz	-22.15 dBm	-12.15 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62673 GHz	-23.51 dBm	-10.51 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.65043 GHz	-35.09 dBm	-10.09 dB

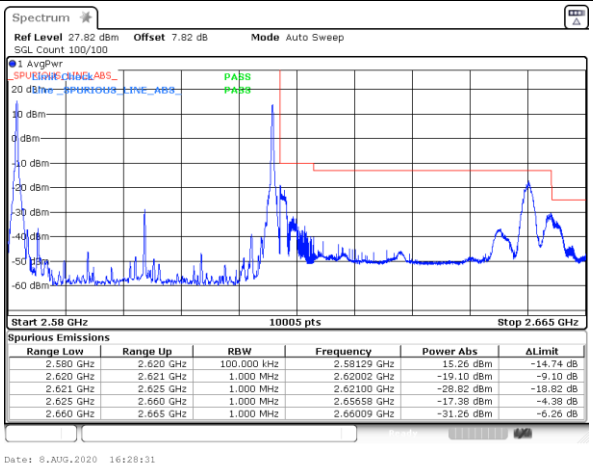
LTE Band 38C / 20MHz+20MHz

16QAM

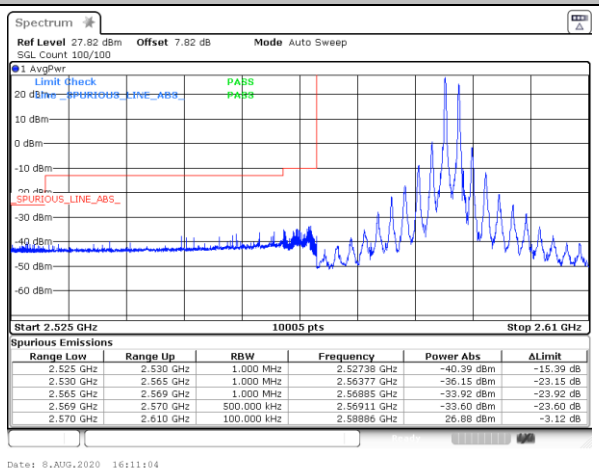
Lowest Band Edge / 1RB0 and 1RB99



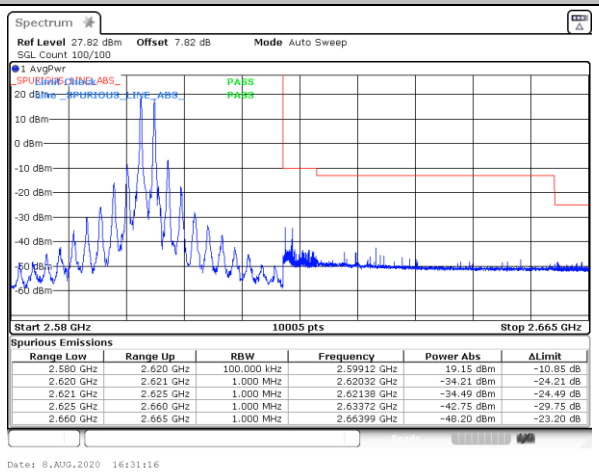
Highest Band Edge / 1RB0 and 1RB99



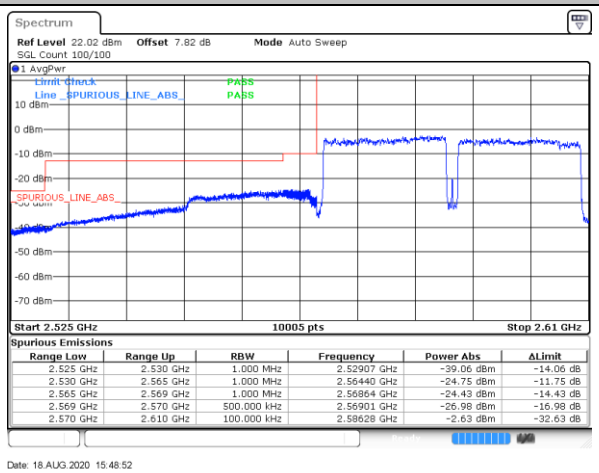
Lowest Band Edge / 1RB99 and 1RB0



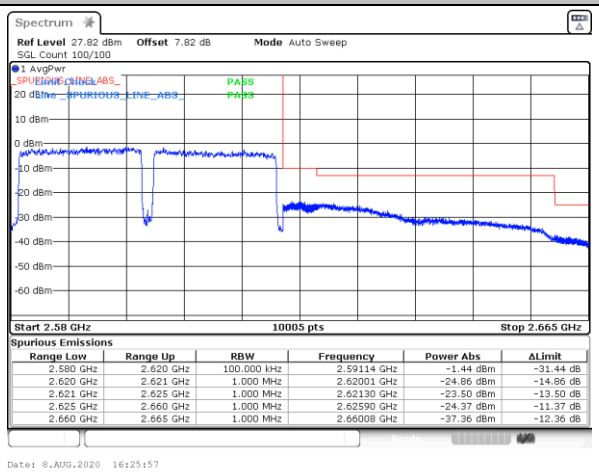
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



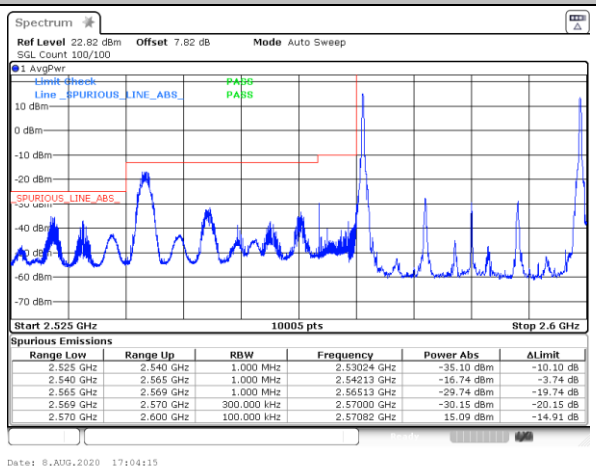
Highest Band Edge / Full RB



LTE Band 38C / 15MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53024 GHz	-35.10 dBm	-10.10 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.54213 GHz	-16.74 dBm	-3.74 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56513 GHz	-29.74 dBm	-19.74 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.57000 GHz	-30.15 dBm	-20.15 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.57082 GHz	15.09 dBm	-14.91 dB

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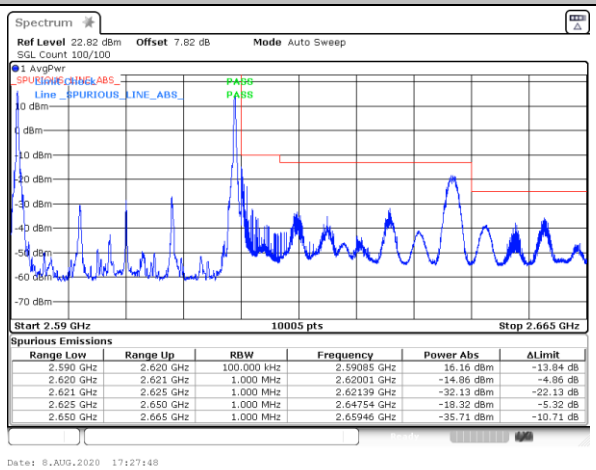
Highest Band Edge / 1RB0 and 1RB74

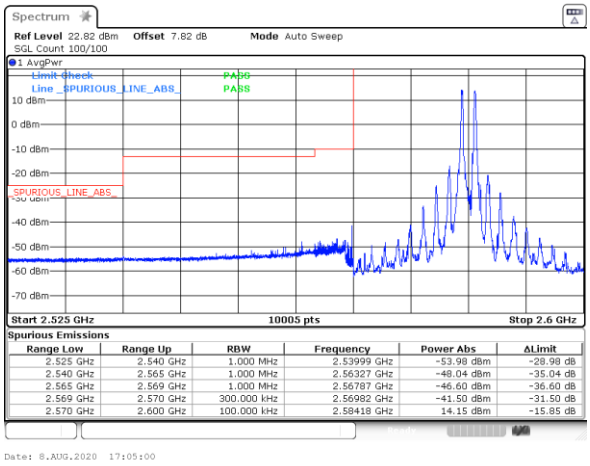


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.59085 GHz	16.16 dBm	-13.84 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-14.86 dBm	-4.86 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62139 GHz	-32.13 dBm	-22.13 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.64754 GHz	-18.32 dBm	-5.32 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.65946 GHz	-35.71 dBm	-10.71 dB

Date: 8.AUG.2020 17:27:48

Lowest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53999 GHz	-53.98 dBm	-28.98 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56327 GHz	-48.04 dBm	-35.04 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56787 GHz	-46.60 dBm	-36.60 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56982 GHz	-41.50 dBm	-31.50 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.58418 GHz	14.15 dBm	-15.85 dB

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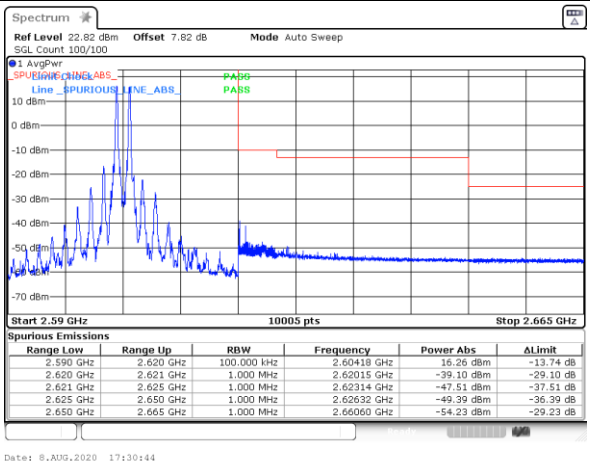
Highest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.60418 GHz	16.26 dBm	-13.74 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62015 GHz	-39.10 dBm	-29.10 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62314 GHz	-47.51 dBm	-37.51 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62632 GHz	-49.39 dBm	-36.39 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.66060 GHz	-54.23 dBm	-29.23 dB

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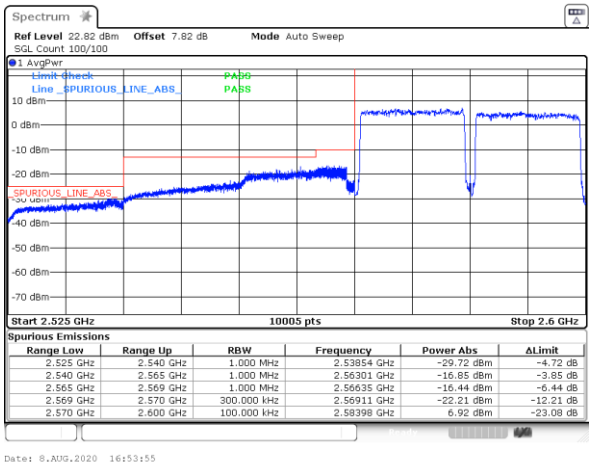
Lowest Band Edge / Full RB

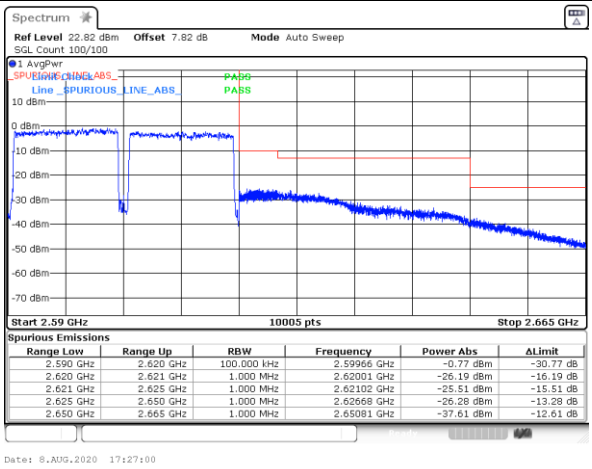


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.525 GHz	2.540 GHz	1.000 MHz	2.53854 GHz	-29.72 dBm	-4.72 dB
2.540 GHz	2.565 GHz	1.000 MHz	2.56301 GHz	-16.85 dBm	-3.85 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56635 GHz	-16.44 dBm	-6.44 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56911 GHz	-22.21 dBm	-12.21 dB
2.570 GHz	2.600 GHz	100.000 kHz	2.58398 GHz	6.92 dBm	-23.08 dB

Date: 8.AUG.2020 16:53:55

Highest Band Edge / Full RB



Spurious Emissions

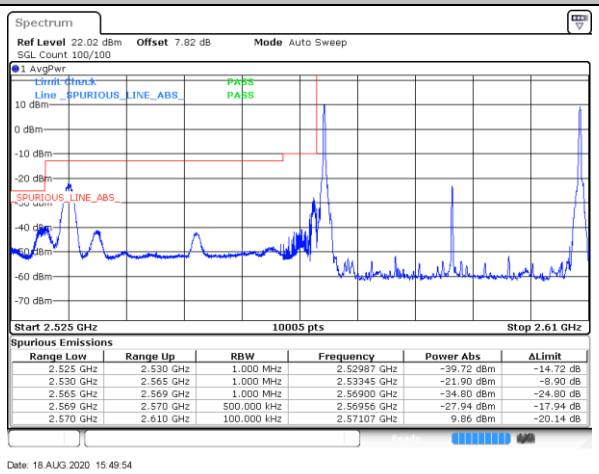
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.620 GHz	100.000 kHz	2.59966 GHz	-0.77 dBm	-30.77 dB
2.620 GHz	2.621 GHz	1.000 MHz	2.62001 GHz	-26.19 dBm	-16.19 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62102 GHz	-25.51 dBm	-15.51 dB
2.625 GHz	2.650 GHz	1.000 MHz	2.62668 GHz	-26.28 dBm	-13.28 dB
2.650 GHz	2.665 GHz	1.000 MHz	2.65081 GHz	-37.61 dBm	-12.61 dB

Date: 8.AUG.2020 17:27:00

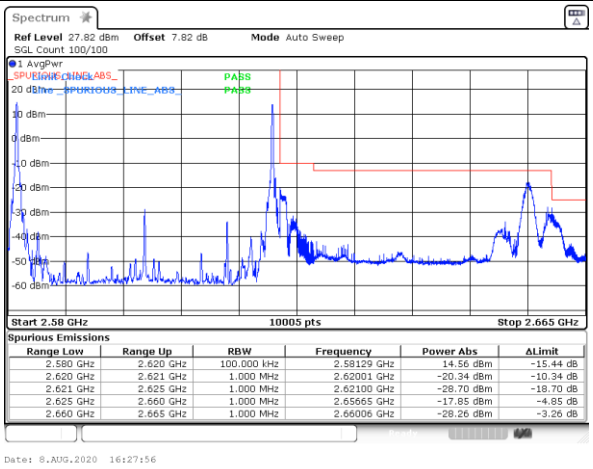
LTE Band 38C / 20MHz+20MHz

64QAM

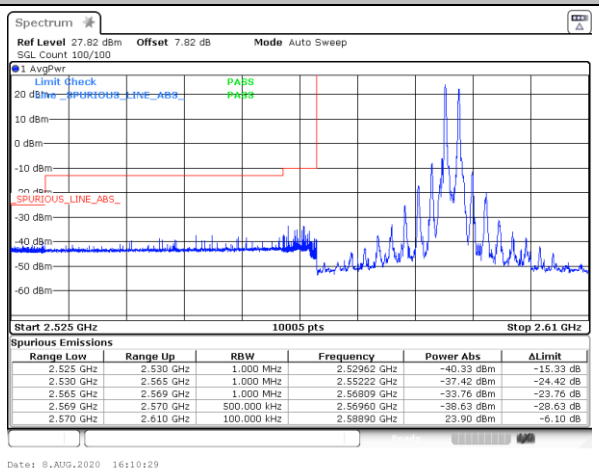
Lowest Band Edge / 1RB0 and 1RB99



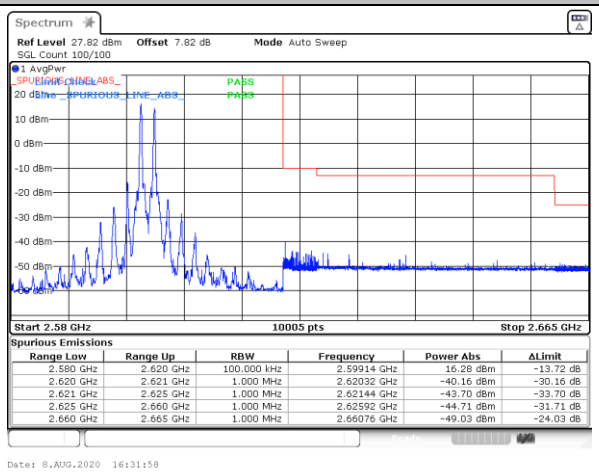
Highest Band Edge / 1RB0 and 1RB99



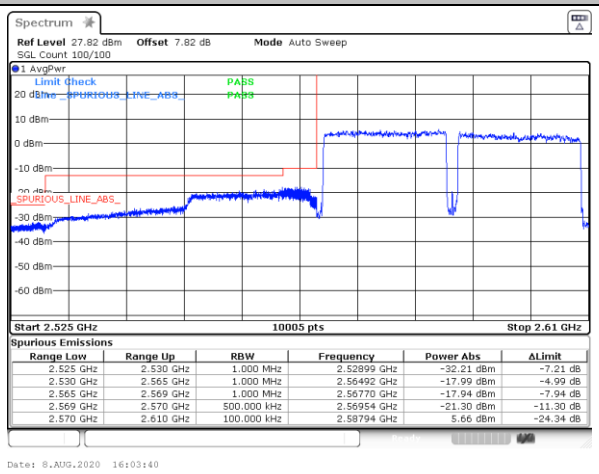
Lowest Band Edge / 1RB99 and 1RB0



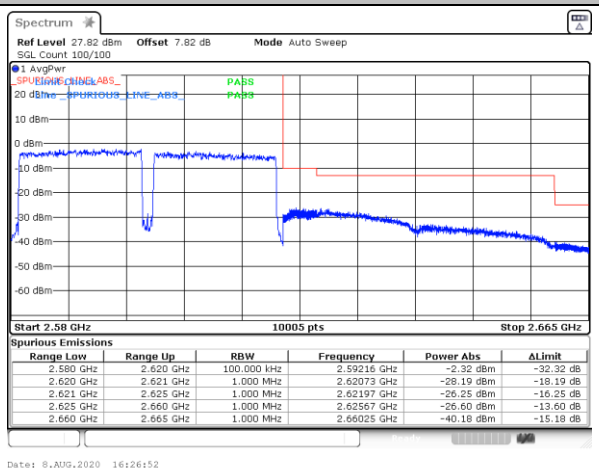
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

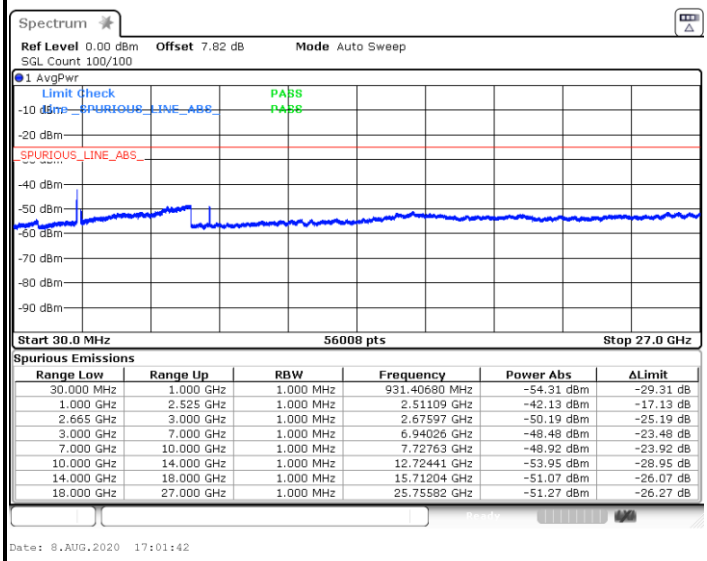


Highest Band Edge / Full RB



Conducted Spurious Emission

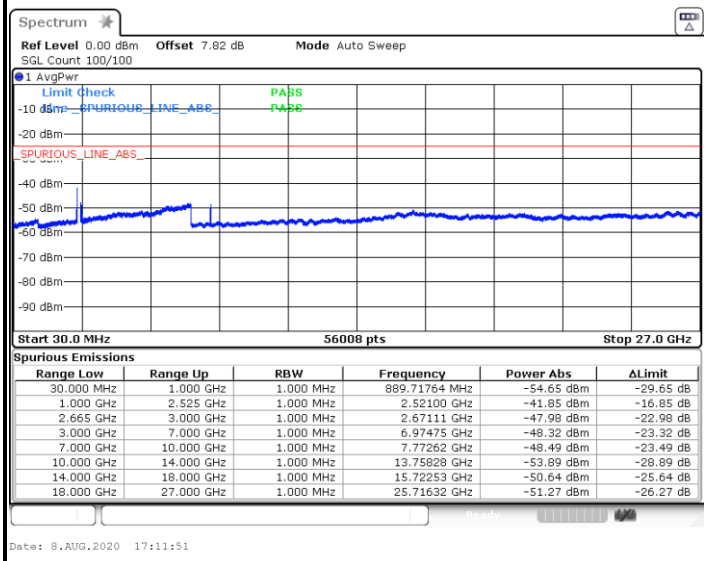
LTE Band 38C / 15MHz+15MHz	
QPSK	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-54.31 dBm	-29.31 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51109 GHz	-42.13 dBm	-17.13 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67597 GHz	-50.19 dBm	-25.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94026 GHz	-48.48 dBm	-23.48 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.72763 GHz	-48.92 dBm	-23.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.72441 GHz	-53.95 dBm	-28.95 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71204 GHz	-51.07 dBm	-26.07 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.75582 GHz	-51.27 dBm	-26.27 dB

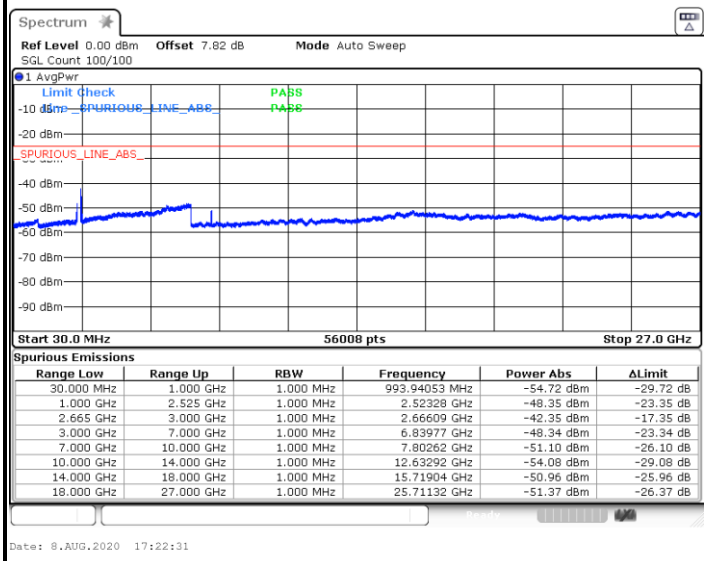
LTE Band 38C / 15MHz+15MHz	
QPSK	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.71764 MHz	-54.65 dBm	-29.65 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52100 GHz	-41.85 dBm	-16.85 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67111 GHz	-47.98 dBm	-22.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97475 GHz	-48.32 dBm	-23.32 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.77262 GHz	-48.49 dBm	-23.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.75828 GHz	-53.89 dBm	-28.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72253 GHz	-50.64 dBm	-25.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71632 GHz	-51.27 dBm	-26.27 dB

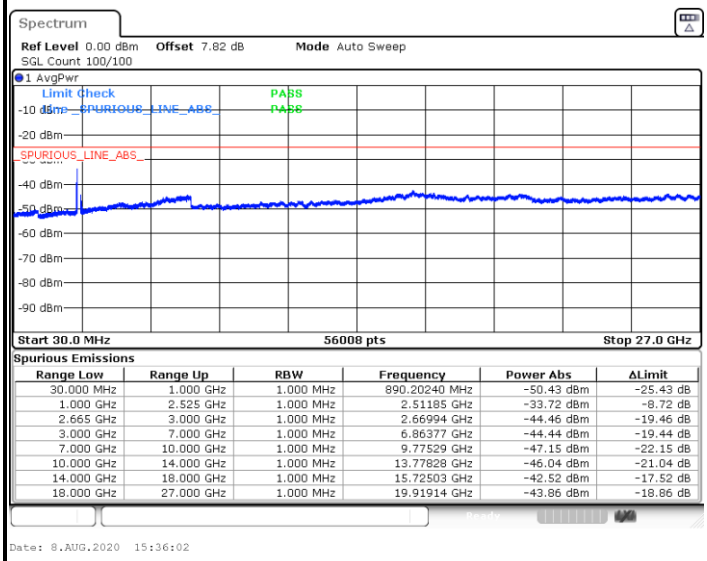
LTE Band 38C / 15MHz+15MHz	
QPSK	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-54.72 dBm	-29.72 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52328 GHz	-48.35 dBm	-23.35 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.66609 GHz	-42.35 dBm	-17.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83977 GHz	-48.34 dBm	-23.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.80262 GHz	-51.10 dBm	-26.10 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.63292 GHz	-54.08 dBm	-29.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71904 GHz	-50.96 dBm	-25.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71132 GHz	-51.37 dBm	-26.37 dB

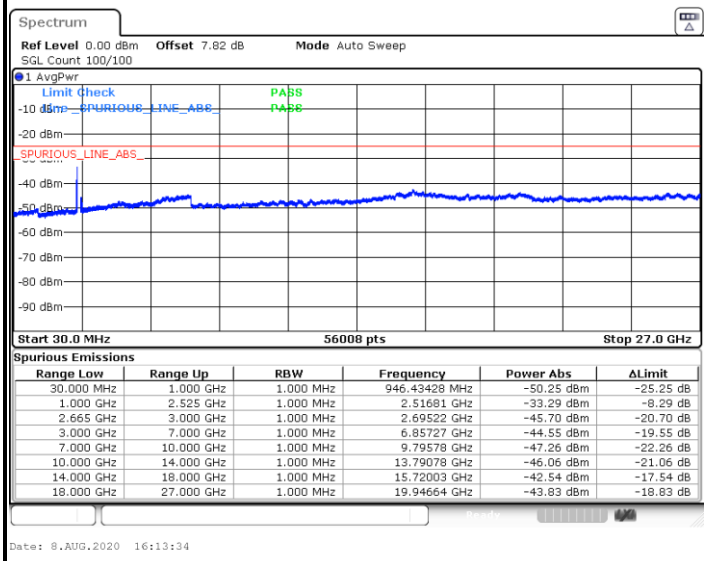
LTE Band 38C / 20MHz+20MHz	
QPSK	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-50.43 dBm	-25.43 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51185 GHz	-33.72 dBm	-8.72 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.66994 GHz	-44.46 dBm	-19.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-44.44 dBm	-19.44 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77529 GHz	-47.15 dBm	-22.15 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77828 GHz	-46.04 dBm	-21.04 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72503 GHz	-42.52 dBm	-17.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91914 GHz	-43.86 dBm	-18.86 dB

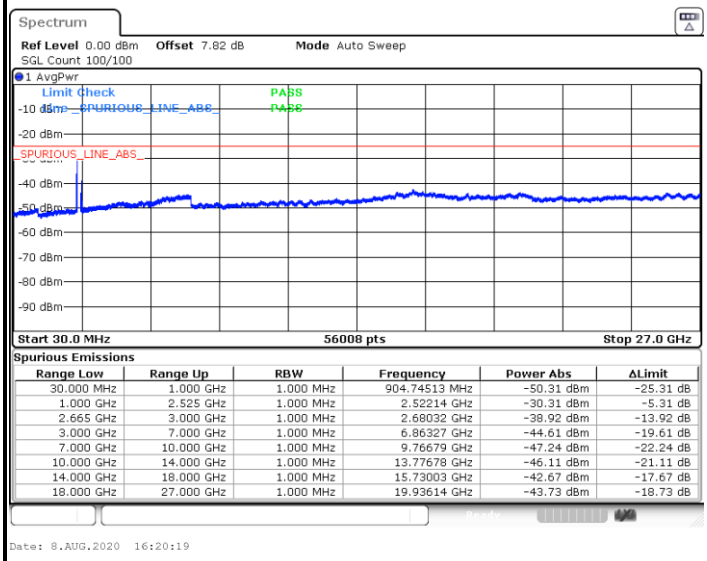
LTE Band 38C / 20MHz+20MHz	
QPSK	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-50.25 dBm	-25.25 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51681 GHz	-33.29 dBm	-8.29 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.69522 GHz	-45.70 dBm	-20.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85727 GHz	-44.55 dBm	-19.55 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79578 GHz	-47.26 dBm	-22.26 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79078 GHz	-46.06 dBm	-21.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72003 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.94664 GHz	-43.83 dBm	-18.83 dB

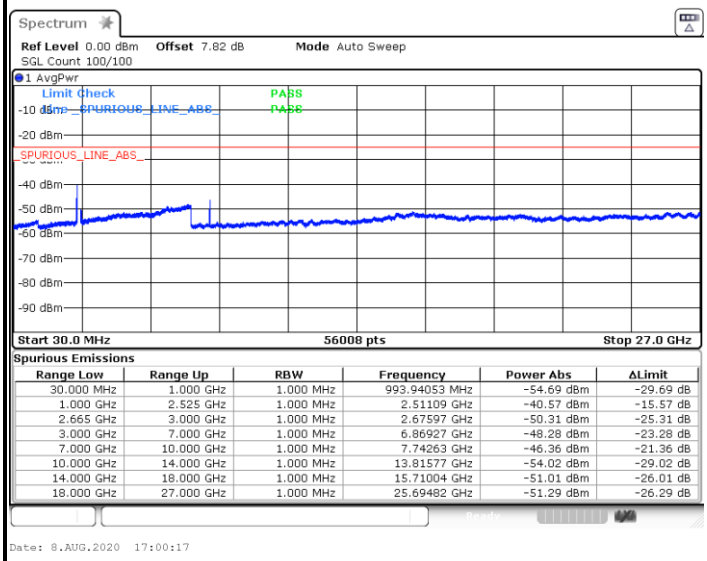
LTE Band 38C / 20MHz+20MHz	
QPSK	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-50.31 dBm	-25.31 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52214 GHz	-30.31 dBm	-5.31 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.68032 GHz	-38.92 dBm	-13.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86327 GHz	-44.61 dBm	-19.61 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76679 GHz	-47.24 dBm	-22.24 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77678 GHz	-46.11 dBm	-21.11 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73003 GHz	-42.67 dBm	-17.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93614 GHz	-43.73 dBm	-18.73 dB

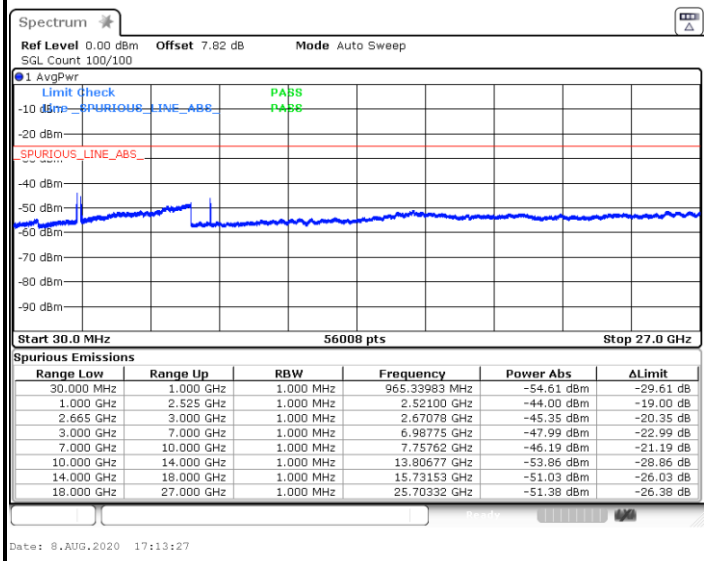
LTE Band 38C / 15MHz+15MHz	
16QAM	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-54.69 dBm	-29.69 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51109 GHz	-40.57 dBm	-15.57 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67597 GHz	-50.31 dBm	-25.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86927 GHz	-48.28 dBm	-23.28 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.74263 GHz	-46.36 dBm	-21.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81577 GHz	-54.02 dBm	-29.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71004 GHz	-51.01 dBm	-26.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.69482 GHz	-51.29 dBm	-26.29 dB

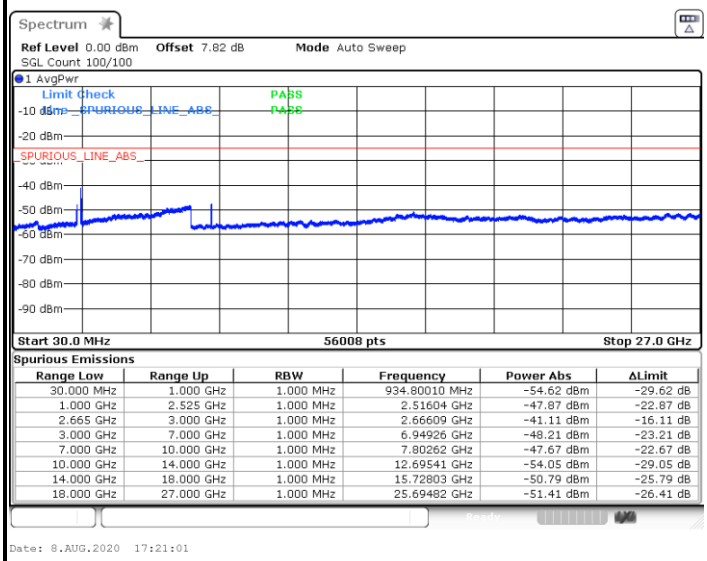
LTE Band 38C / 15MHz+15MHz	
16QAM	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-54.61 dBm	-29.61 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52100 GHz	-44.00 dBm	-19.00 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67078 GHz	-45.35 dBm	-20.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-47.99 dBm	-22.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.75762 GHz	-46.19 dBm	-21.19 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80677 GHz	-53.86 dBm	-28.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73153 GHz	-51.03 dBm	-26.03 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.70332 GHz	-51.38 dBm	-26.38 dB

LTE Band 38C / 15MHz+15MHz	
16QAM	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-54.62 dBm	-29.62 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51604 GHz	-47.87 dBm	-22.87 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.66609 GHz	-41.11 dBm	-16.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94926 GHz	-48.21 dBm	-23.21 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.80262 GHz	-47.67 dBm	-22.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69541 GHz	-54.05 dBm	-29.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72803 GHz	-50.79 dBm	-25.79 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.69482 GHz	-51.41 dBm	-26.41 dB

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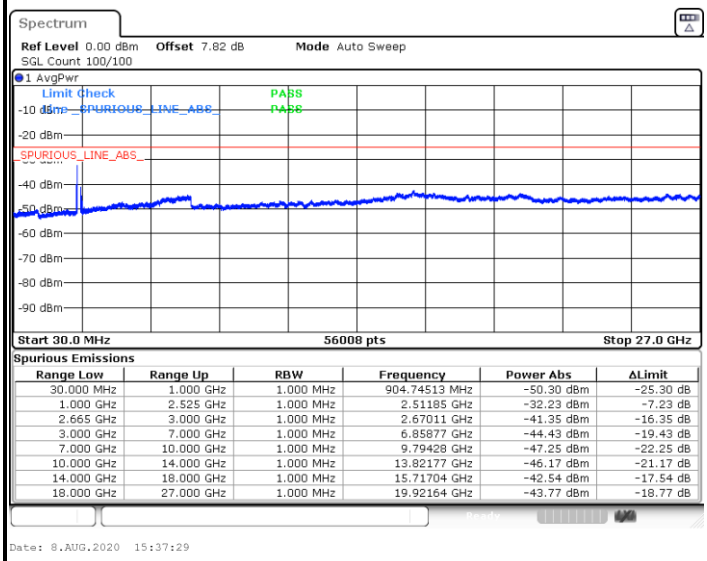
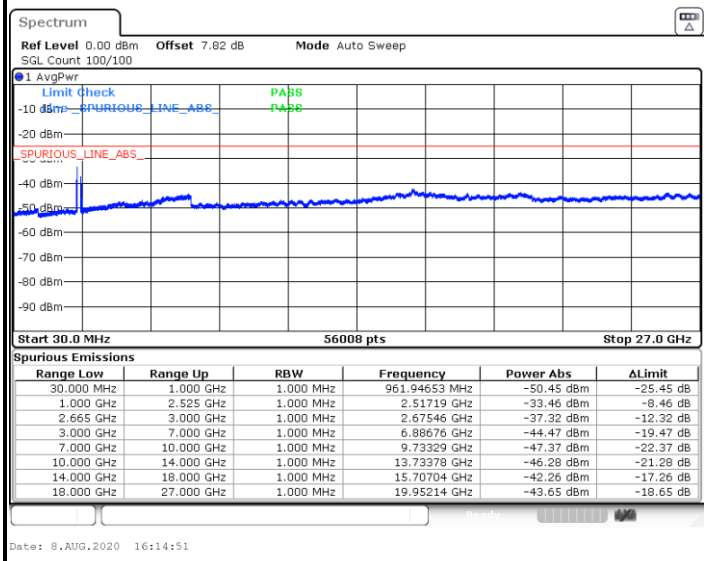
LTE Band 38C / 20MHz+20MHz	
16QAM	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-50.30 dBm	-25.30 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51185 GHz	-32.23 dBm	-7.23 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67011 GHz	-41.35 dBm	-16.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85877 GHz	-44.43 dBm	-19.43 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79428 GHz	-47.25 dBm	-22.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.82177 GHz	-46.17 dBm	-21.17 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71704 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92164 GHz	-43.77 dBm	-18.77 dB

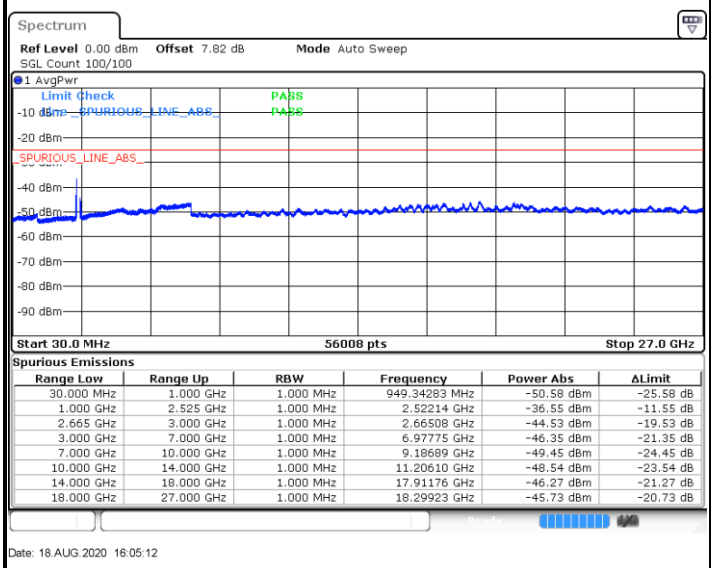
LTE Band 38C / 20MHz+20MHz	
16QAM	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-50.45 dBm	-25.45 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51719 GHz	-33.46 dBm	-8.46 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67546 GHz	-37.32 dBm	-12.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88676 GHz	-44.47 dBm	-19.47 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.73329 GHz	-47.37 dBm	-22.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.73378 GHz	-46.28 dBm	-21.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.70704 GHz	-42.26 dBm	-17.26 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.95214 GHz	-43.65 dBm	-18.65 dB

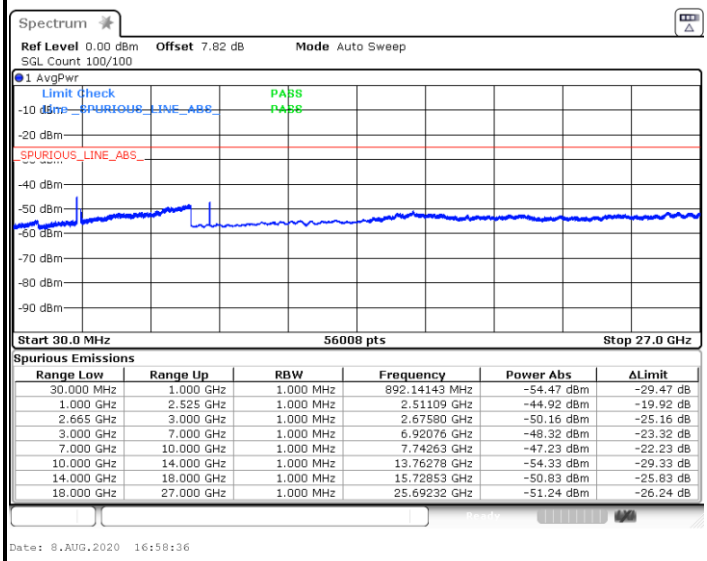
LTE Band 38C / 20MHz+20MHz	
16QAM	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-50.58 dBm	-25.58 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52214 GHz	-36.55 dBm	-11.55 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.66508 GHz	-44.53 dBm	-19.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97775 GHz	-46.35 dBm	-21.35 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.18689 GHz	-49.45 dBm	-24.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.20610 GHz	-48.54 dBm	-23.54 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.91176 GHz	-46.27 dBm	-21.27 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.29923 GHz	-45.73 dBm	-20.73 dB

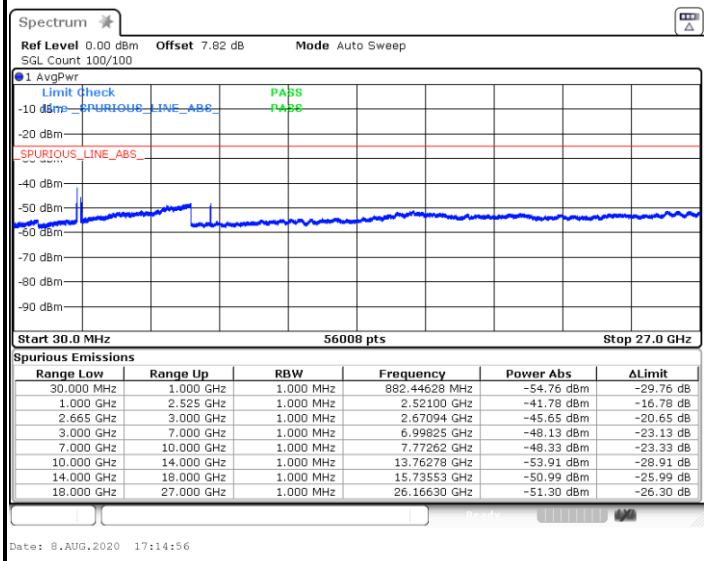
LTE Band 38C / 15MHz+15MHz	
64QAM	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-54.47 dBm	-29.47 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51109 GHz	-44.92 dBm	-19.92 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67580 GHz	-50.16 dBm	-25.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92076 GHz	-48.32 dBm	-23.32 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.74263 GHz	-47.23 dBm	-22.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76278 GHz	-54.33 dBm	-29.33 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72853 GHz	-50.83 dBm	-25.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.69232 GHz	-51.24 dBm	-26.24 dB

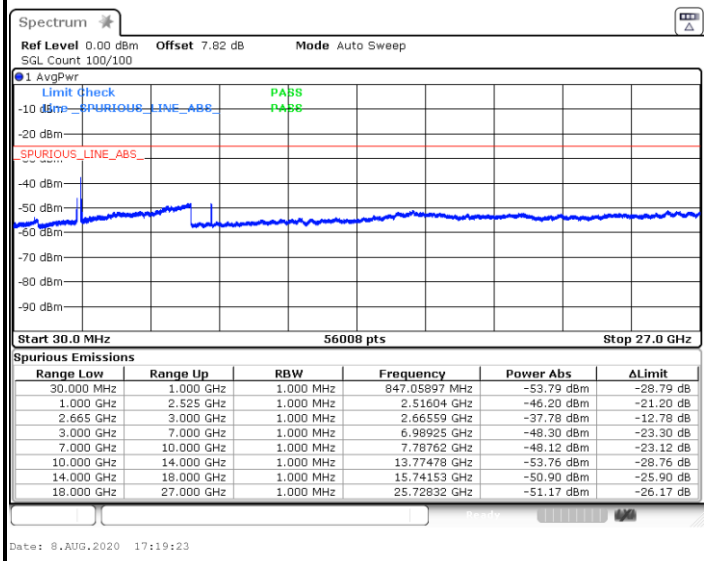
LTE Band 38C / 15MHz+15MHz	
64QAM	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.44628 MHz	-54.76 dBm	-29.76 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52100 GHz	-41.78 dBm	-16.78 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67094 GHz	-45.65 dBm	-20.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-48.13 dBm	-23.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.77262 GHz	-48.33 dBm	-23.33 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76278 GHz	-53.91 dBm	-28.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73553 GHz	-50.99 dBm	-25.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.16630 GHz	-51.30 dBm	-26.30 dB

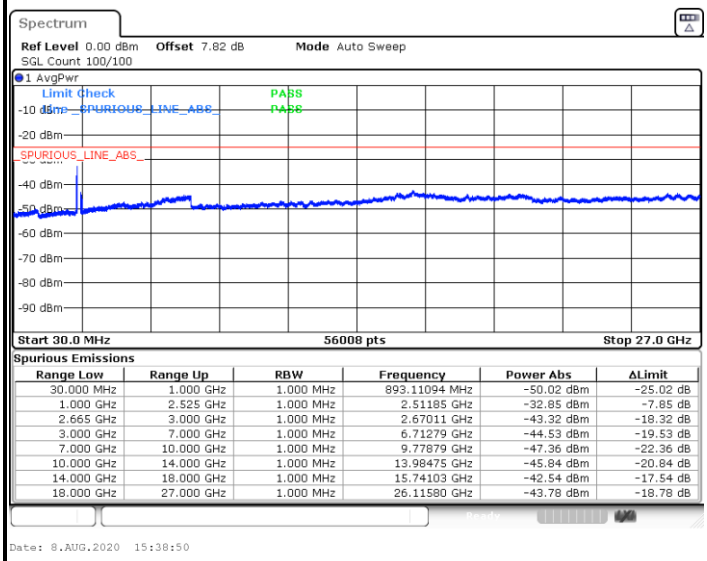
LTE Band 38C / 15MHz+15MHz	
64QAM	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.05897 MHz	-53.79 dBm	-28.79 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51604 GHz	-46.20 dBm	-21.20 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.66559 GHz	-37.78 dBm	-12.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-48.30 dBm	-23.30 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.78762 GHz	-48.12 dBm	-23.12 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77478 GHz	-53.76 dBm	-28.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74153 GHz	-50.90 dBm	-25.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.72832 GHz	-51.17 dBm	-26.17 dB

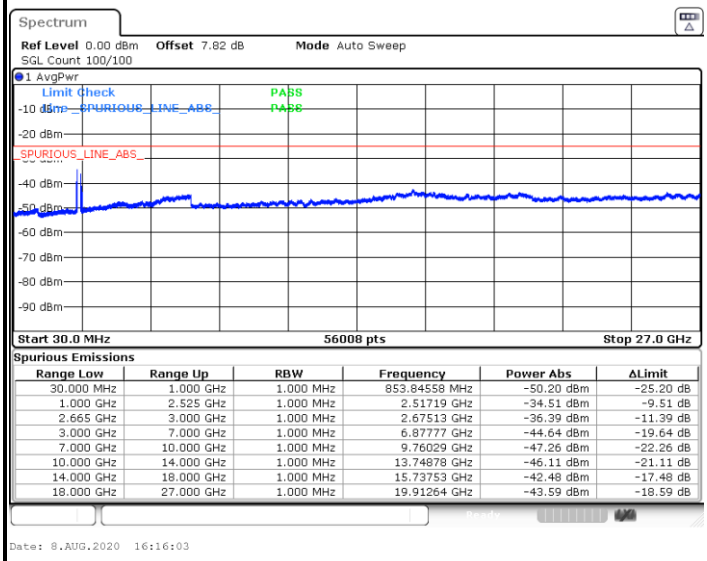
LTE Band 38C / 20MHz+20MHz	
64QAM	
Lowest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-50.02 dBm	-25.02 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51185 GHz	-32.85 dBm	-7.85 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67011 GHz	-43.32 dBm	-18.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.71279 GHz	-44.53 dBm	-19.53 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77879 GHz	-47.36 dBm	-22.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98475 GHz	-45.84 dBm	-20.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74103 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.11580 GHz	-43.78 dBm	-18.78 dB

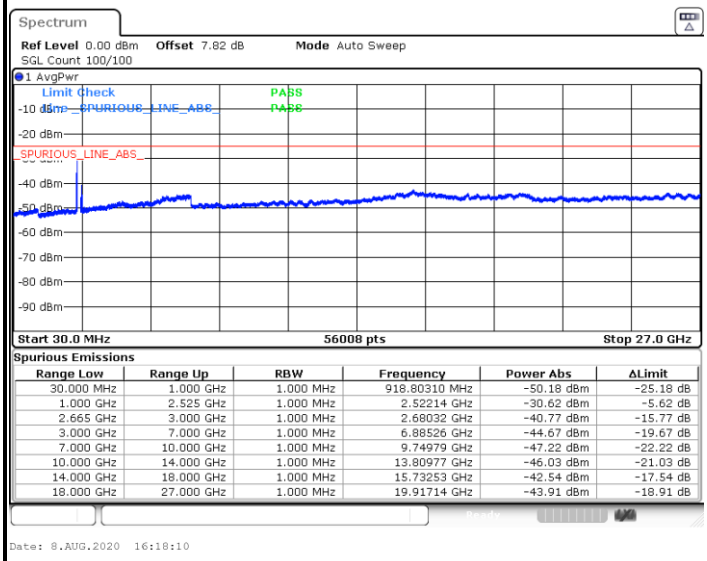
LTE Band 38C / 20MHz+20MHz	
64QAM	
Middle Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.84558 MHz	-50.20 dBm	-25.20 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.51719 GHz	-34.51 dBm	-9.51 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67513 GHz	-36.39 dBm	-11.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87777 GHz	-44.64 dBm	-19.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76029 GHz	-47.26 dBm	-22.26 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.74878 GHz	-46.11 dBm	-21.11 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73753 GHz	-42.48 dBm	-17.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91264 GHz	-43.59 dBm	-18.59 dB

LTE Band 38C / 20MHz+20MHz	
64QAM	
Highest Channel / 1RB	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.80310 MHz	-50.18 dBm	-25.18 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52214 GHz	-30.62 dBm	-5.62 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.68032 GHz	-40.77 dBm	-15.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-44.67 dBm	-19.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74979 GHz	-47.22 dBm	-22.22 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80977 GHz	-46.03 dBm	-21.03 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73253 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91714 GHz	-43.91 dBm	-18.91 dB

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Pre-scanned in three orthogonal panels, X, Y, Z for Antennas. The worst cases were recorded in this report.

Antenna 2

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-57.36	-13	-44.36	-69.62	2.64	14.90	H
	5613	-51.59	-13	-38.59	-63.45	2.94	14.80	H
	7488	-48.44	-13	-35.44	-58.21	3.39	13.16	H
	3741	-57.46	-13	-44.46	-69.72	2.64	14.90	V
	5613	-53.63	-13	-40.63	-65.49	2.94	14.80	V
	7488	-48.28	-13	-35.28	-58.05	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 4 / 20MHz / 16QAM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-60.76	-13	-47.76	-71.50	2.604	13.34	H
	5172	-54.02	-13	-41.02	-64.53	3.011	13.52	H
	6900	-50.84	-13	-37.84	-61.04	3.271	13.47	H
	3447	-60.43	-13	-47.43	-71.17	2.604	13.34	V
	5172	-53.28	-13	-40.28	-63.79	3.011	13.52	V
	6900	-50.37	-13	-37.37	-60.57	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 5 / 10MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-67.47	-13	-54.47	-74.44	1.58	10.70	H
	2496	-64.40	-13	-51.40	-72.65	2.102	12.50	H
	3330	-62.65	-13	-49.65	-71.54	2.856	13.90	H
	1664	-67.11	-13	-54.11	-74.08	1.58	10.70	V
	2496	-62.47	-13	-49.47	-70.72	2.10	12.50	V
	3330	-62.44	-13	-49.44	-71.33	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-65.16	-25	-40.16	-75.37	3.03	13.24	H
	7580	-60.67	-25	-35.67	-70.12	3.56	13.01	H
	10100	-57.35	-25	-32.35	-66.87	3.92	13.44	H
	12630	-53.80	-25	-28.80	-63.72	4.44	14.36	H
	5052	-65.43	-25	-40.43	-75.64	3.03	13.24	V
	7580	-60.39	-25	-35.39	-69.84	3.56	13.01	V
	10100	-57.15	-25	-32.15	-66.67	3.92	13.44	V
	12630	-54.32	-25	-29.32	-64.24	4.44	14.36	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-64.72	-25	-39.72	-74.93	3.03	13.24	H
	7752	-59.95	-25	-34.95	-69.40	3.56	13.01	H
	10340	-56.74	-25	-31.74	-66.26	3.92	13.44	H
	5168	-64.66	-25	-39.66	-74.87	3.03	13.24	V
	7752	-59.86	-25	-34.86	-69.31	3.56	13.01	V
	10340	-56.49	-25	-31.49	-66.01	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 7C_CA / 20MHz+20MHz / 16QAM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5032	-65.58	-25	-40.58	-75.79	3.03	13.24	H
	7548	-60.96	-25	-35.96	-70.41	3.56	13.01	H
	10060	-57.50	-25	-32.50	-67.02	3.92	13.44	H
	12580	-53.30	-25	-28.30	-62.82	3.92	13.44	H
	5032	-65.37	-25	-40.37	-75.58	3.03	13.24	V
	7548	-60.40	-25	-35.40	-69.85	3.56	13.01	V
	10060	-57.24	-25	-32.24	-66.76	3.92	13.44	V
	12580	-52.84	-25	-27.84	-62.36	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Antenna 1

LTE Band 38C_CA / 20MHz+20MHz / 16QAM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5152	-65.12	-25	-40.12	-75.33	3.03	13.24	H
	7728	-59.96	-25	-34.96	-69.41	3.56	13.01	H
	10300	-56.73	-25	-31.73	-66.25	3.92	13.44	H
	5152	-64.44	-25	-39.44	-74.65	3.03	13.24	V
	7728	-59.34	-25	-34.34	-68.79	3.56	13.01	V
	10300	-56.40	-25	-31.40	-65.92	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.