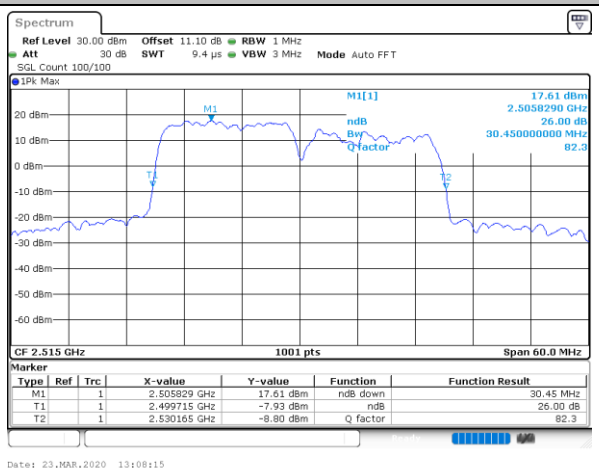
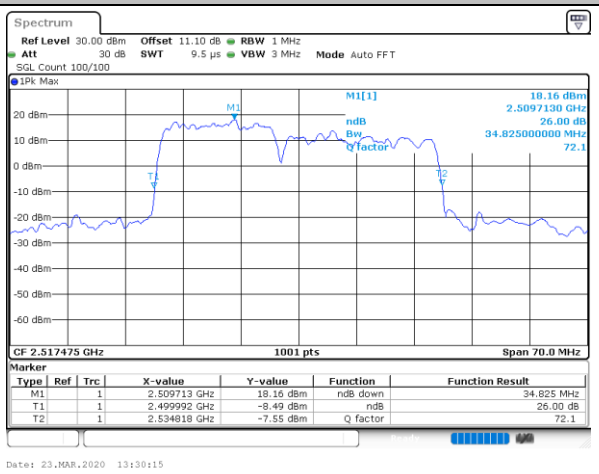
LTE Band 7CA

16QAM

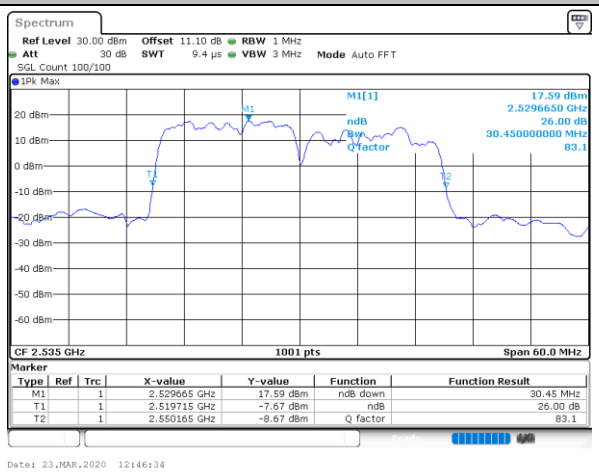
Lowest Channel / 15MHz+15MHz



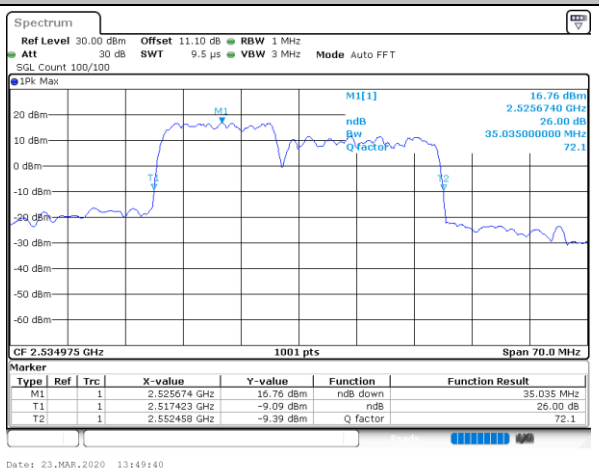
Lowest Channel / 15MHz+20MHz



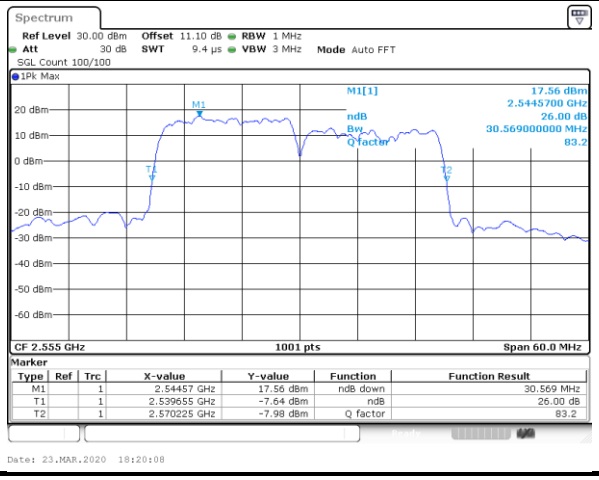
Middle Channel / 15MHz+15MHz



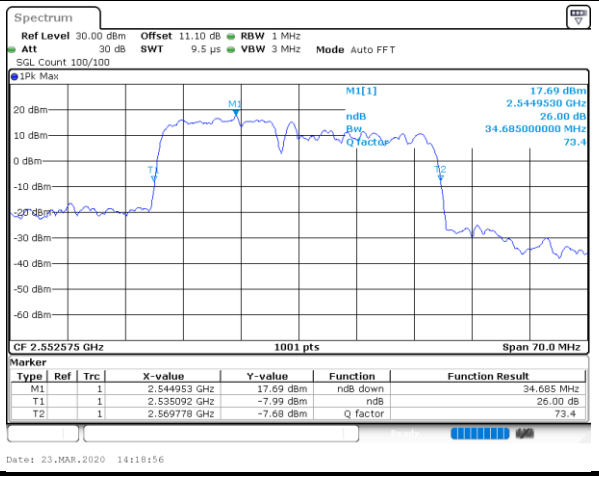
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



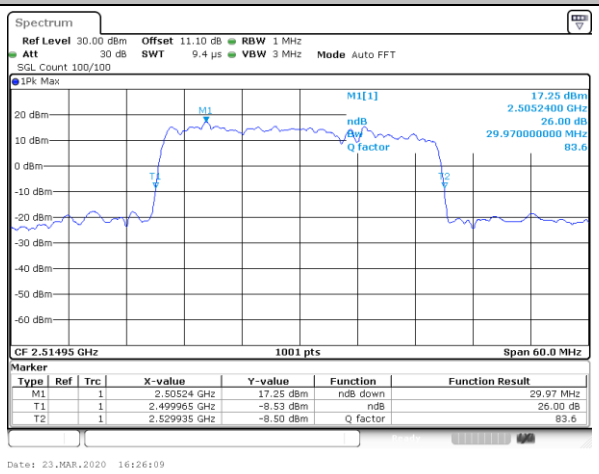
Highest Channel / 15MHz+20MHz



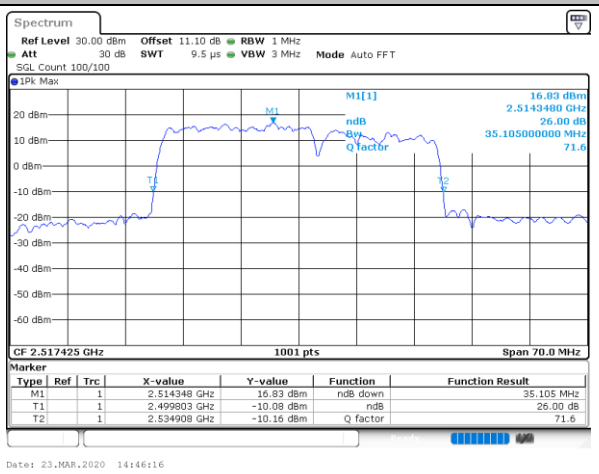
LTE Band 7CA

16QAM

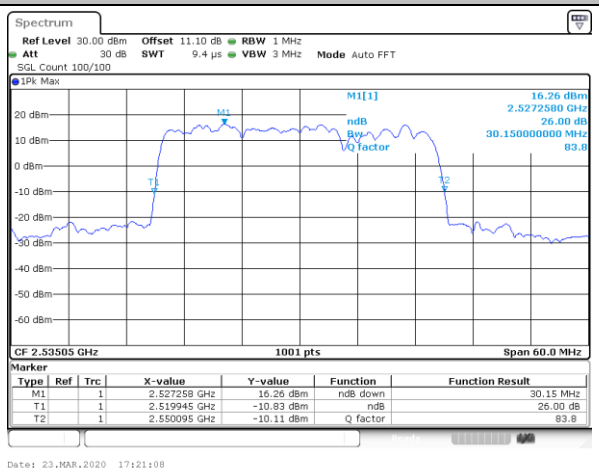
Lowest Channel / 20MHz+10MHz



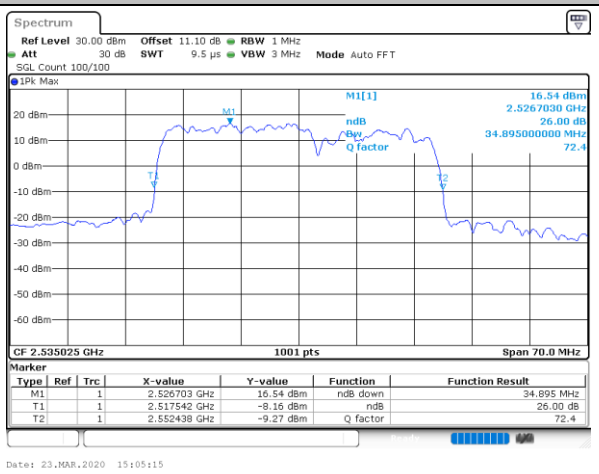
Lowest Channel / 20MHz+15MHz



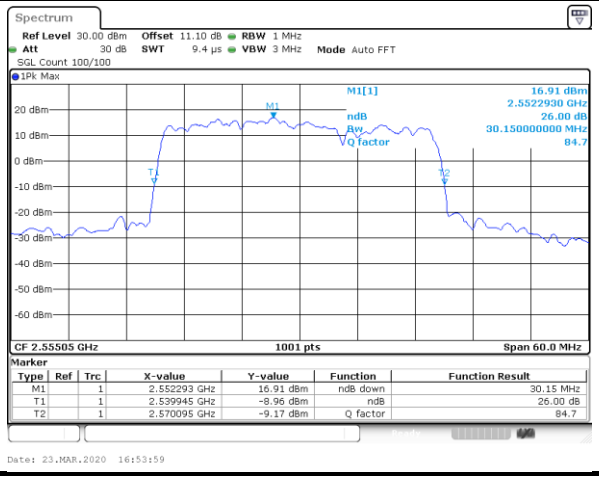
Middle Channel / 20MHz+10MHz



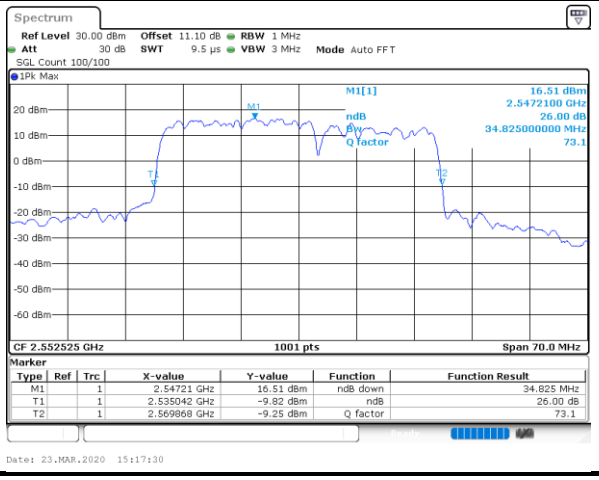
Middle Channel / 20MHz+15MHz

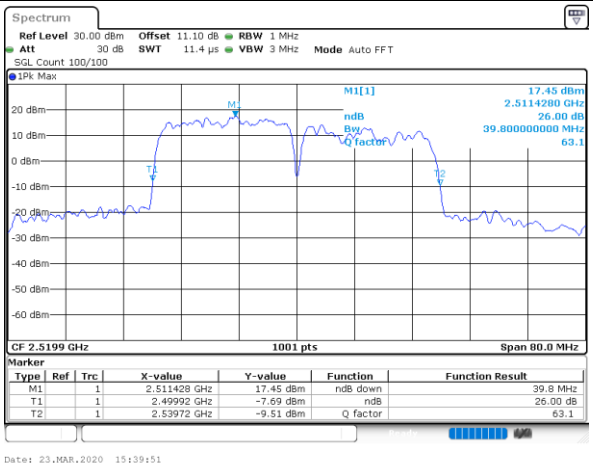
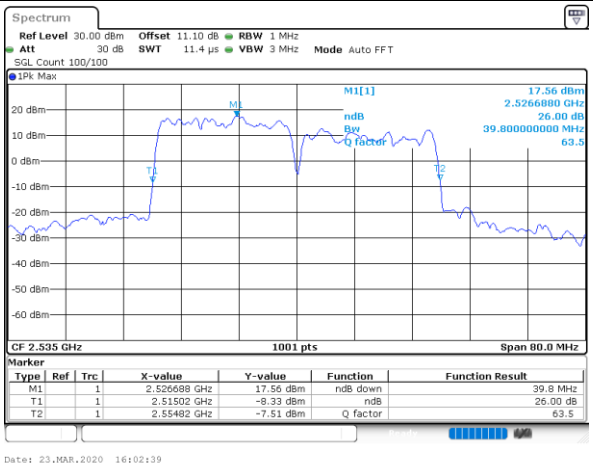
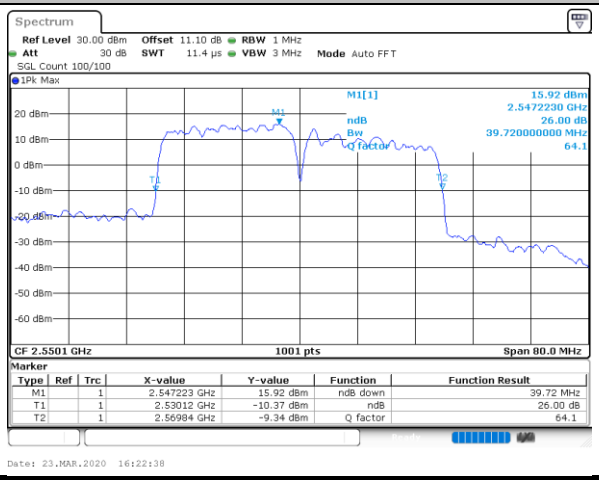


Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz

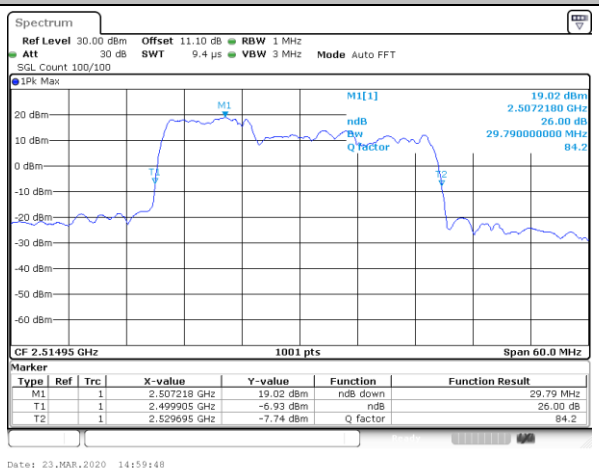


LTE Band 7CA	
16QAM	
Lowest Channel / 20MHz+20MHz	N/A
	
Middle Channel / 20MHz+20MHz	N/A
	
Highest Channel / 20MHz+20MHz	N/A
	

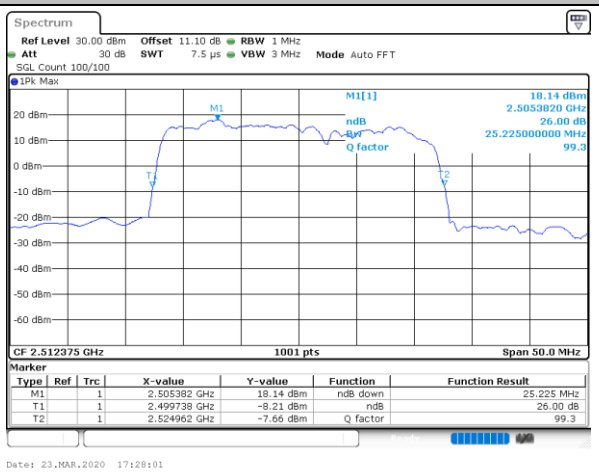
LTE Band 7CA

64QAM

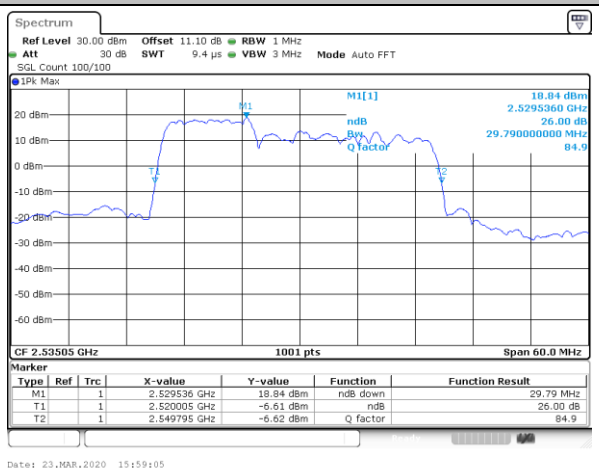
Lowest Channel / 10MHz+20MHz



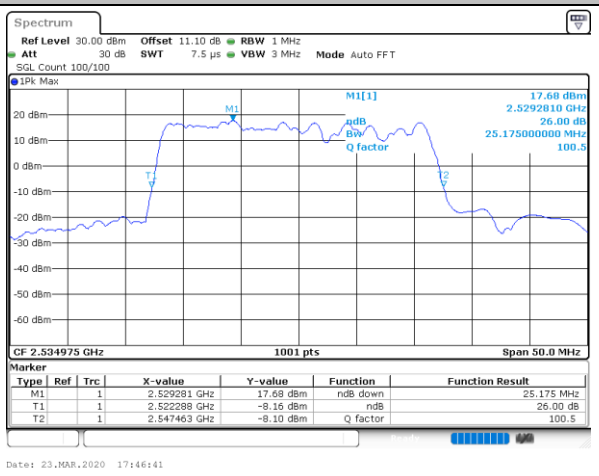
Lowest Channel / 15MHz+10MHz



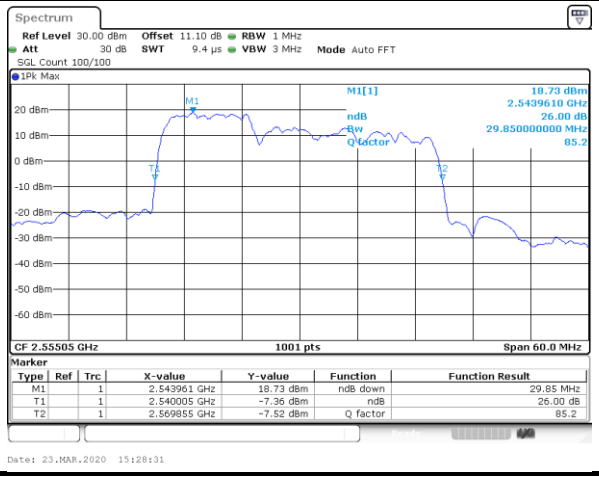
Middle Channel / 10MHz+20MHz



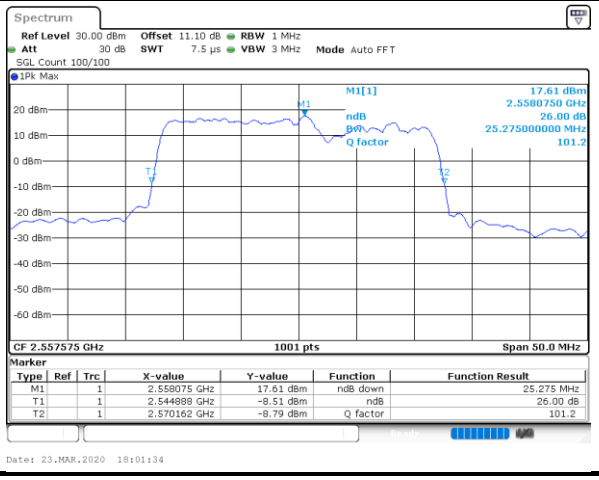
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



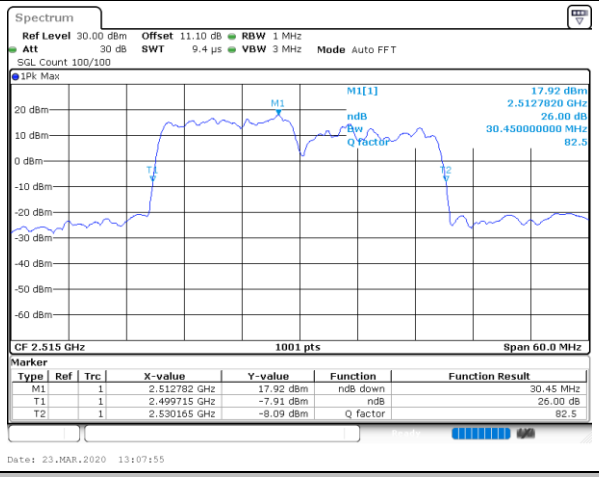
Highest Channel / 15MHz+10MHz



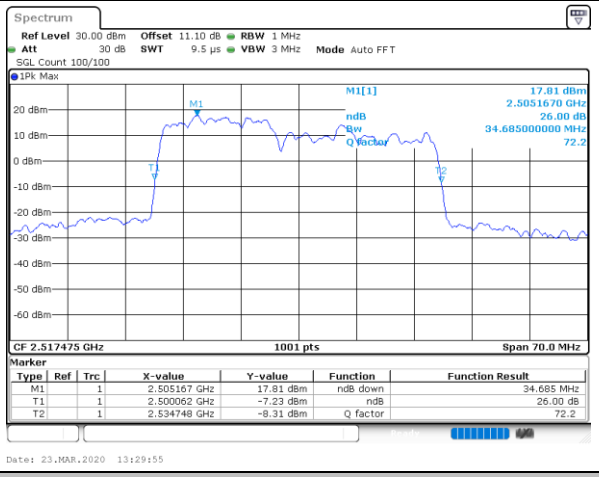
LTE Band 7CA

64QAM

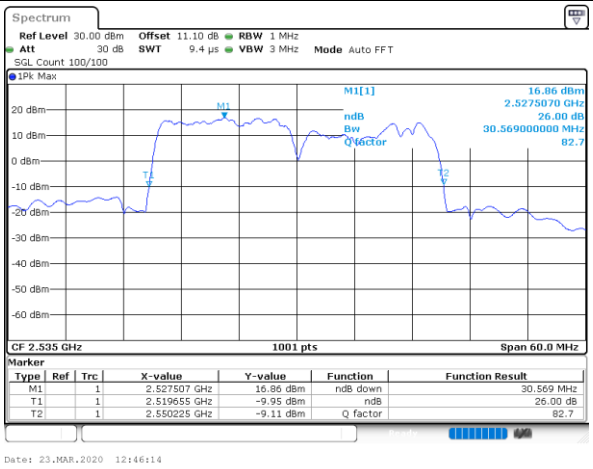
Lowest Channel / 15MHz+15MHz



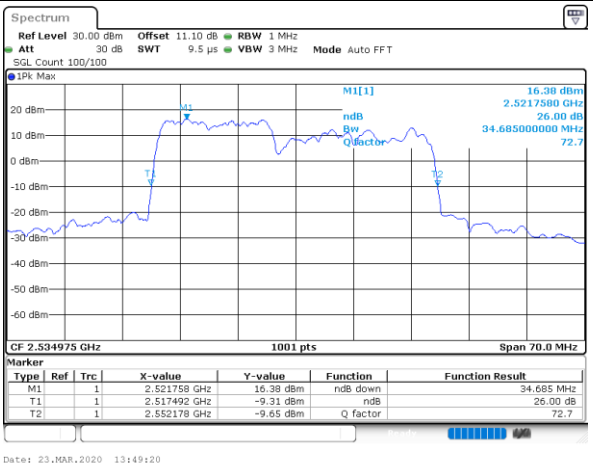
Lowest Channel / 15MHz+20MHz



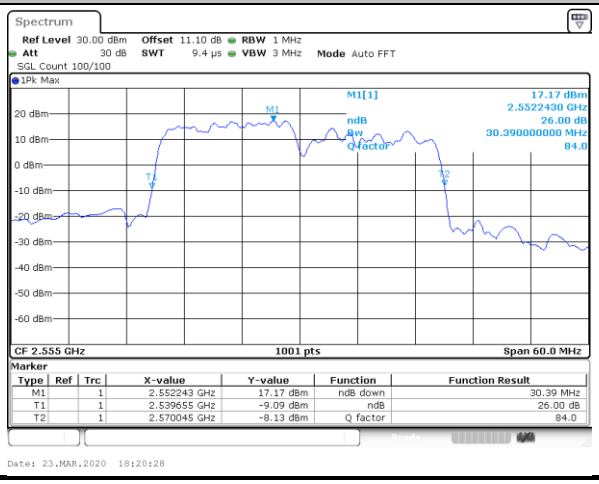
Middle Channel / 15MHz+15MHz



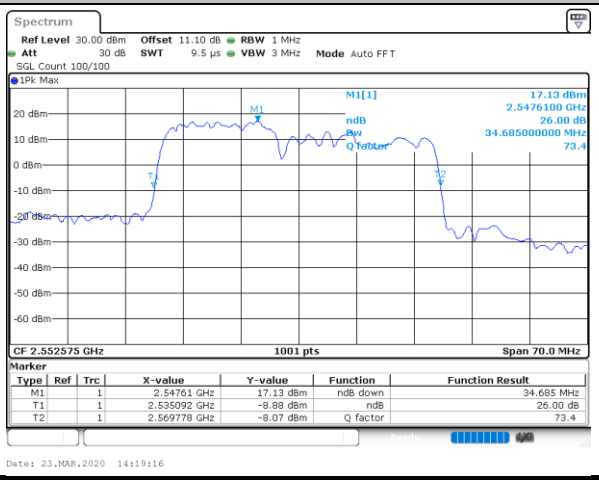
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



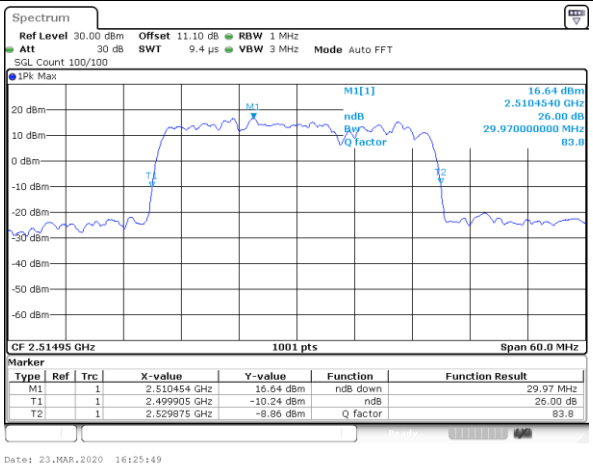
Highest Channel / 15MHz+20MHz



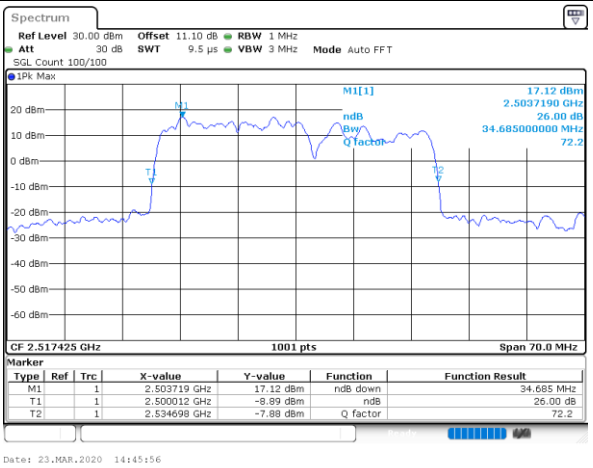
LTE Band 7CA

64QAM

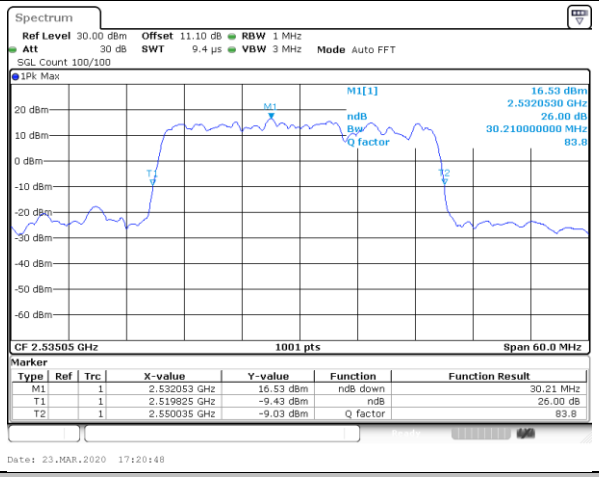
Lowest Channel / 20MHz+10MHz



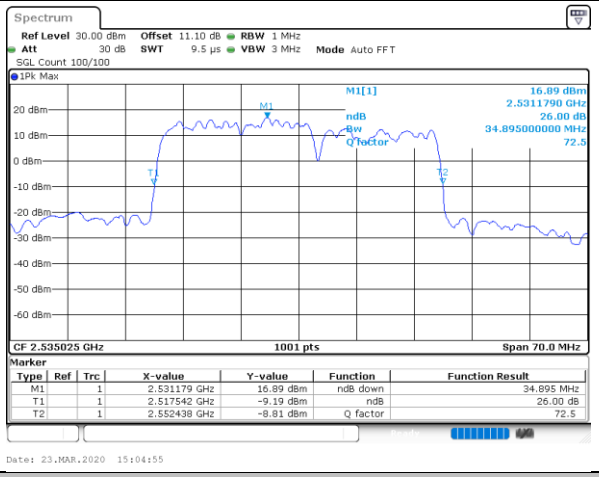
Lowest Channel / 20MHz+15MHz



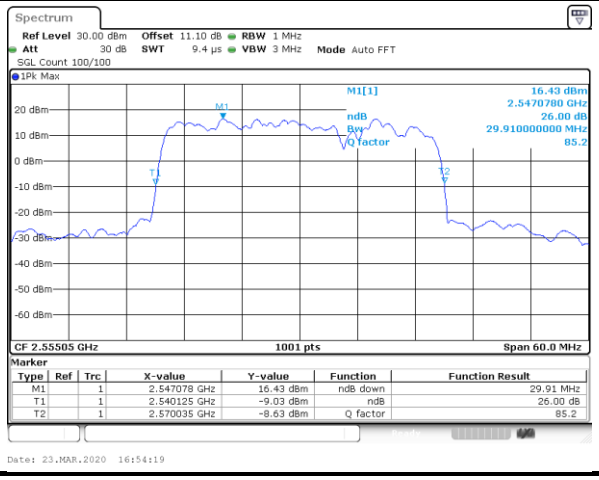
Middle Channel / 20MHz+10MHz



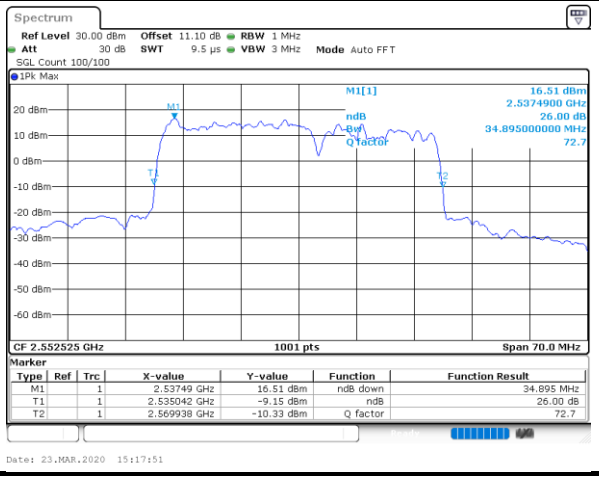
Middle Channel / 20MHz+15MHz



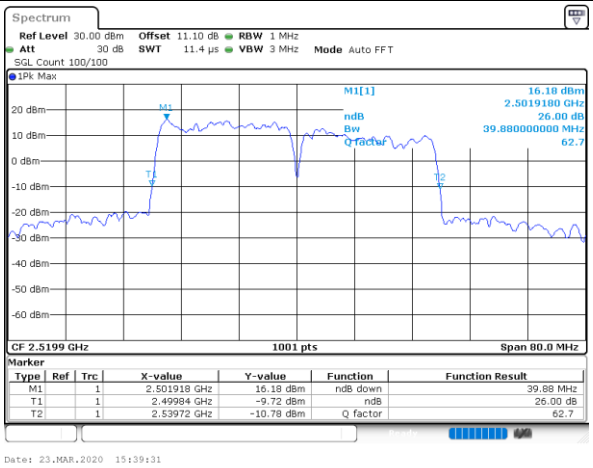
Highest Channel / 20MHz+10MHz



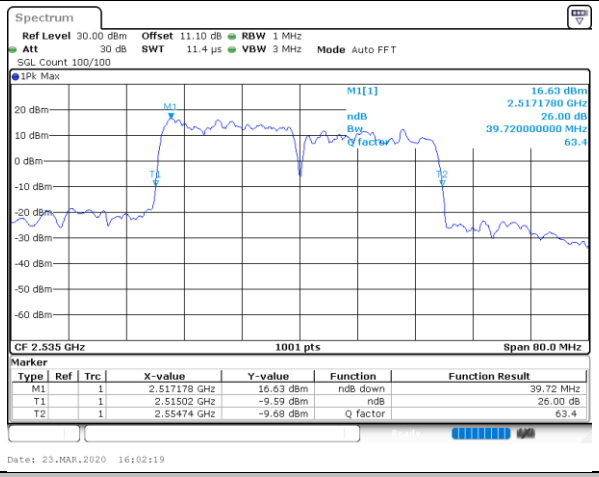
Highest Channel / 20MHz+15MHz



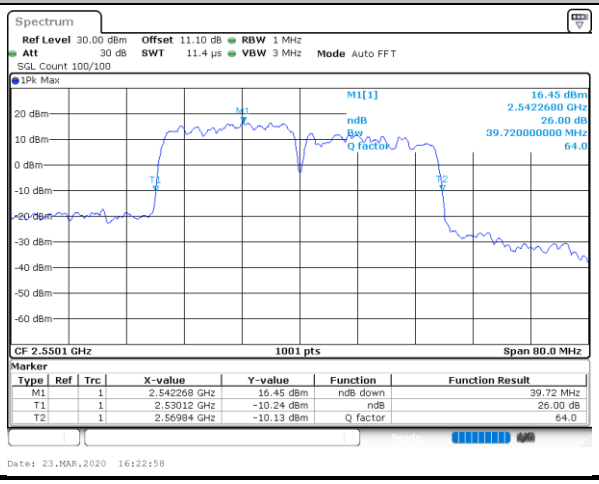
LTE Band 7CA	
64QAM	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



Highest Channel / 20MHz+20MH	N/A



Occupied Bandwidth

Mode	LTE Band 7CA : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.57	23.63	28.29	32.87
Middle CH	27.99	23.58	28.41	32.52
Highest CH	27.57	23.28	28.41	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.87	37.72	-
Middle CH	27.93	32.94	37.88	-
Highest CH	28.05	32.73	37.16	-

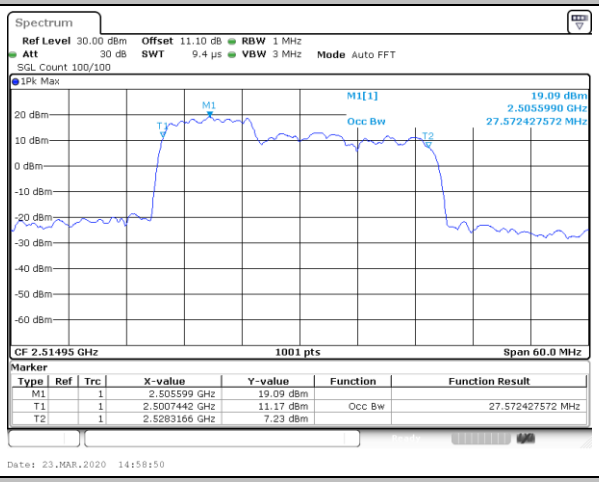
Mode	LTE Band 7CA : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.57	23.28	28.35	32.45
Middle CH	28.23	23.63	28.53	32.45
Highest CH	27.93	23.03	28.35	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.75	32.87	37.48	-
Middle CH	27.93	32.94	37.56	-
Highest CH	27.99	32.45	37.16	-

Mode	LTE Band 7CA : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.33	23.33	28.53	32.59
Middle CH	28.23	23.23	28.41	32.87
Highest CH	27.57	23.18	28.35	32.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.81	32.38	37.48	-
Middle CH	27.93	32.52	37.56	-
Highest CH	27.63	32.52	37.64	-

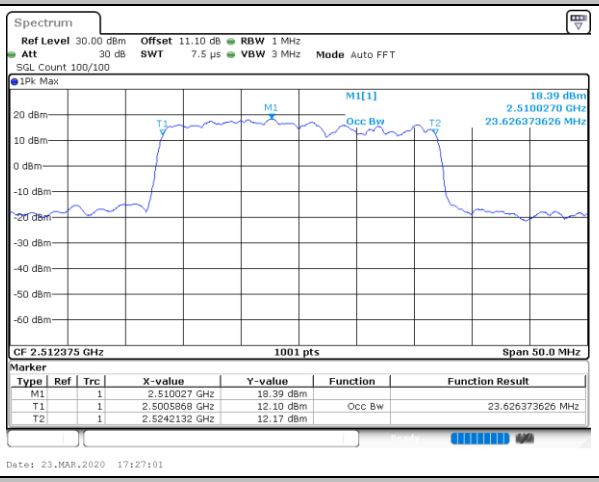
LTE Band 7CA

QPSK

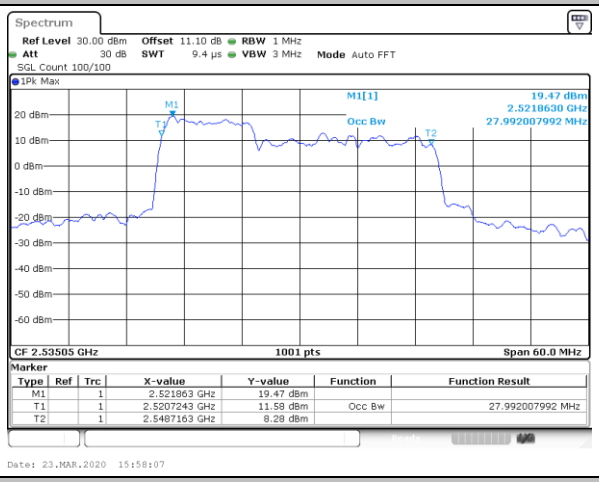
Lowest Channel / 10MHz+20MHz



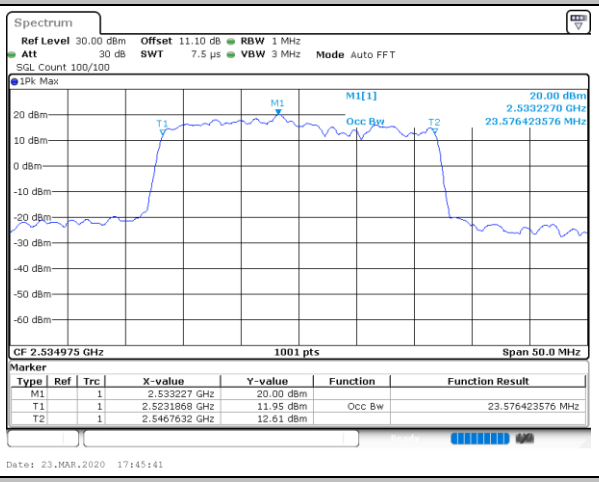
Lowest Channel / 15MHz+10MHz



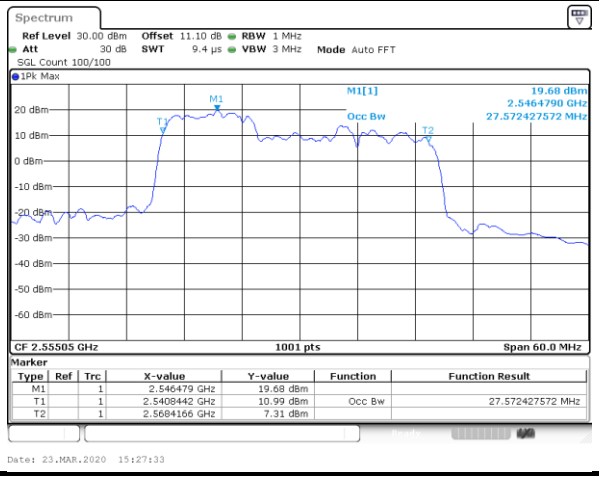
Middle Channel / 10MHz+20MHz



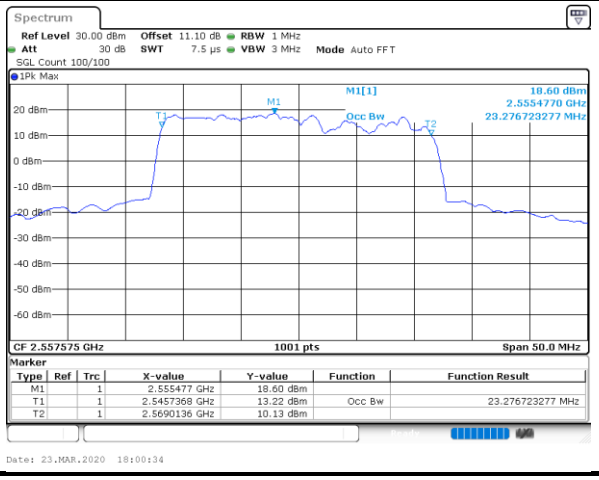
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



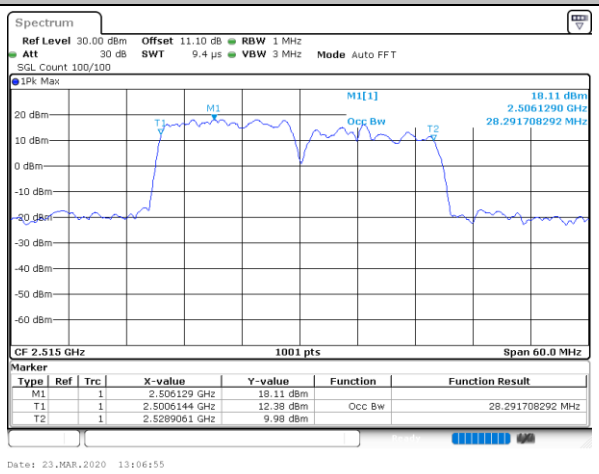
Highest Channel / 15MHz+10MHz



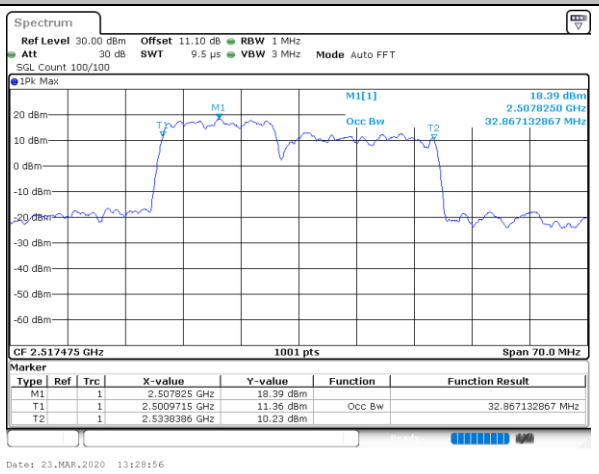
LTE Band 7CA

QPSK

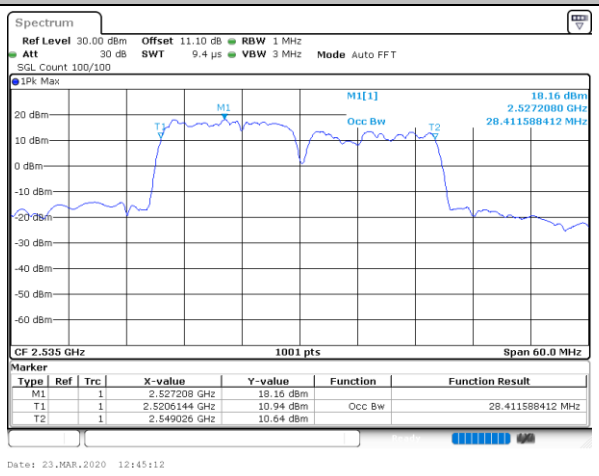
Lowest Channel / 15MHz+15MHz



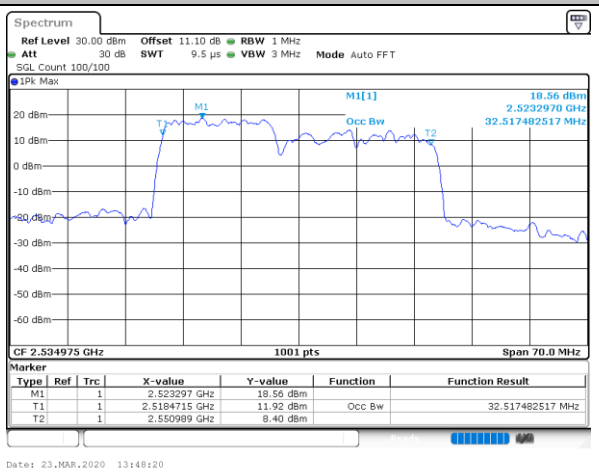
Lowest Channel / 15MHz+20MHz



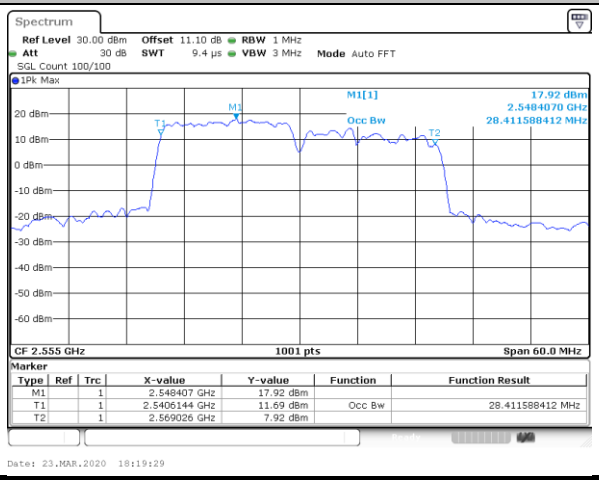
Middle Channel / 15MHz+15MHz



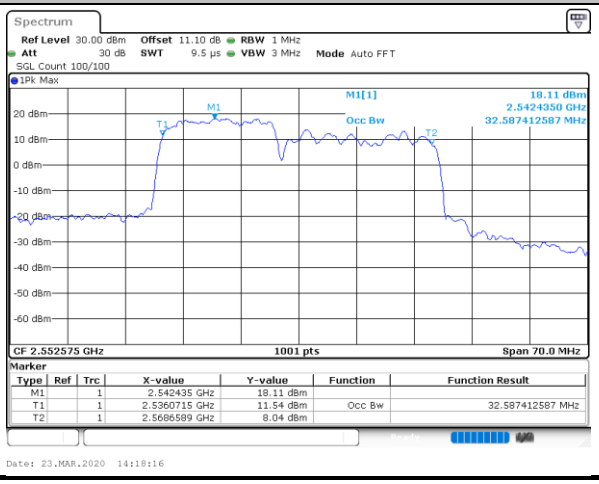
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



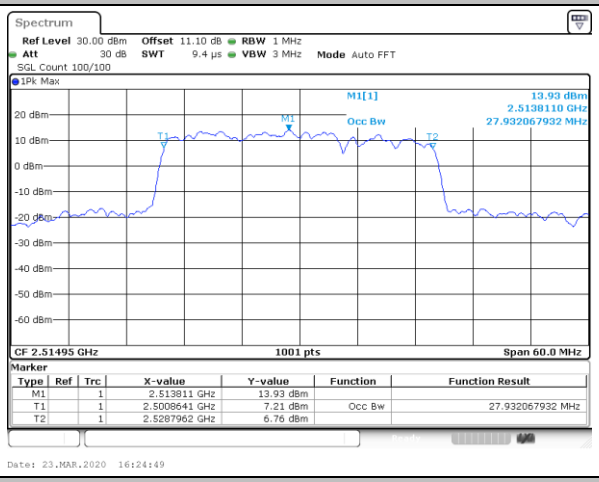
Highest Channel / 15MHz+20MHz



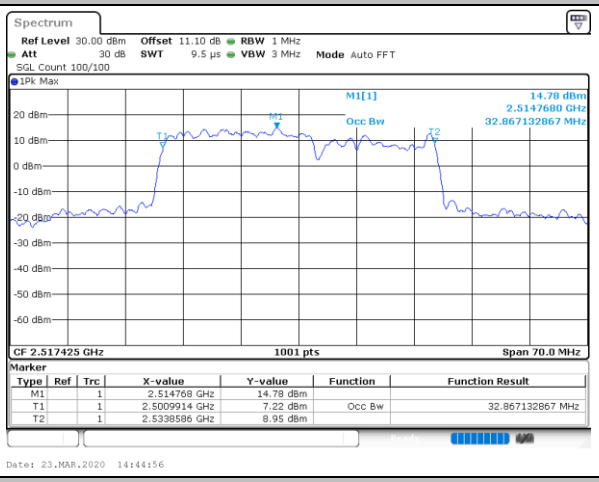
LTE Band 7CA

QPSK

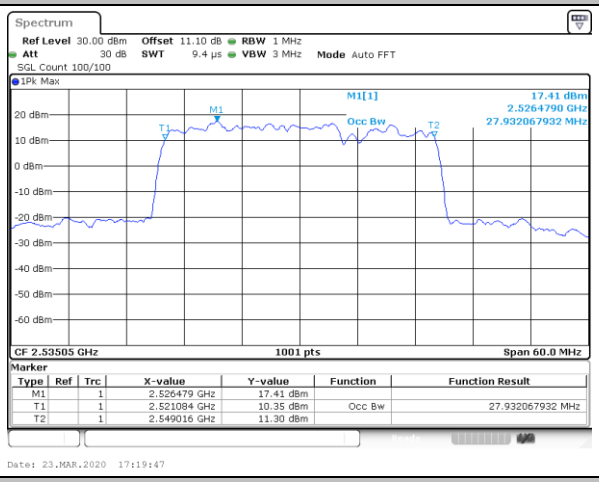
Lowest Channel / 20MHz+10MHz



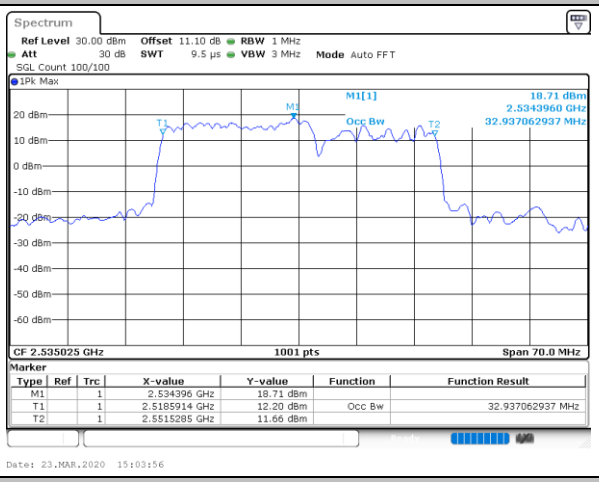
Lowest Channel / 20MHz+15MHz



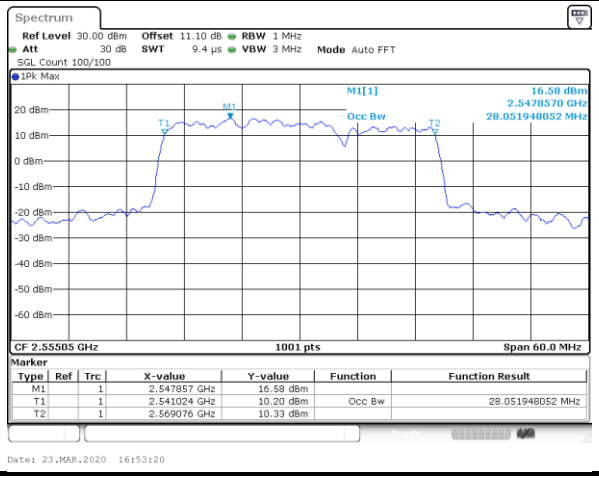
Middle Channel / 20MHz+10MHz



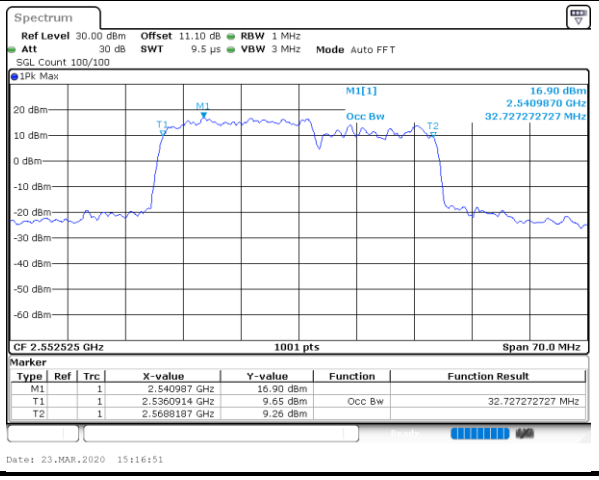
Middle Channel / 20MHz+15MHz

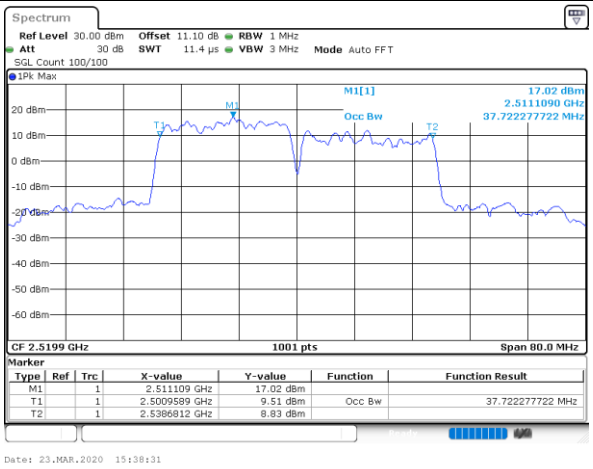
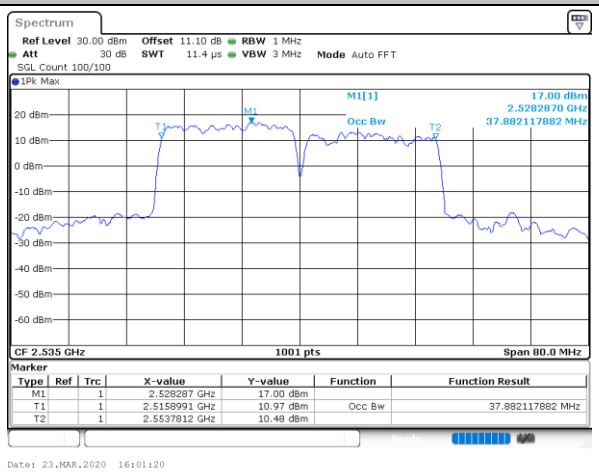
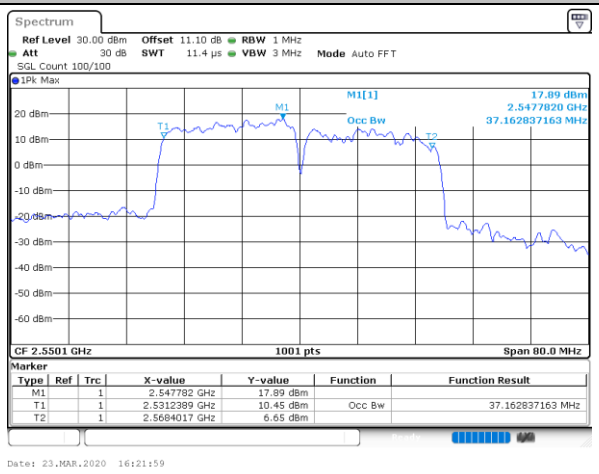


Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz

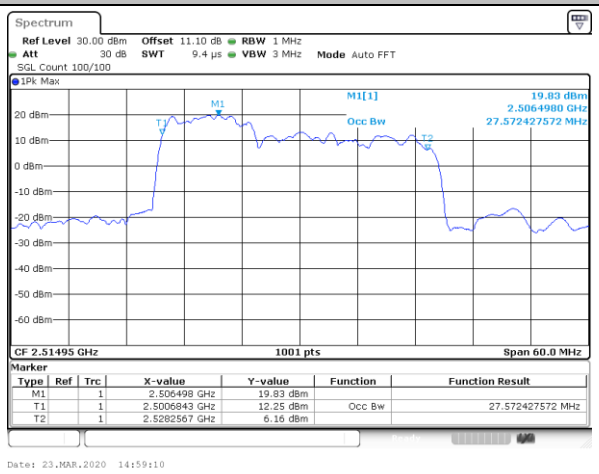


LTE Band 7CA	
QPSK	
Lowest Channel / 20MHz+20MHz	N/A
	
Middle Channel / 20MHz+20MHz	N/A
	
Highest Channel / 20MHz+20MHz	N/A
	

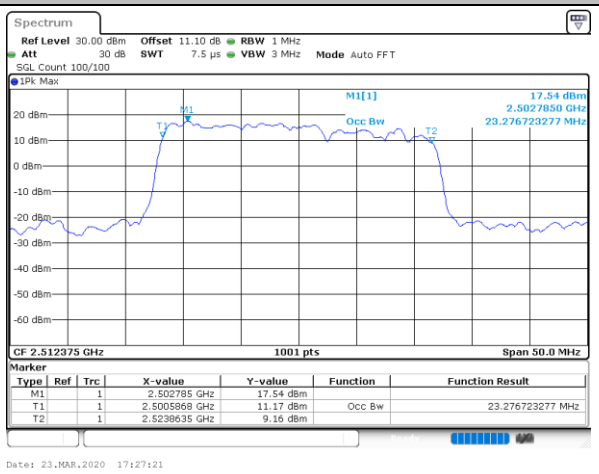
LTE Band 7CA

16QAM

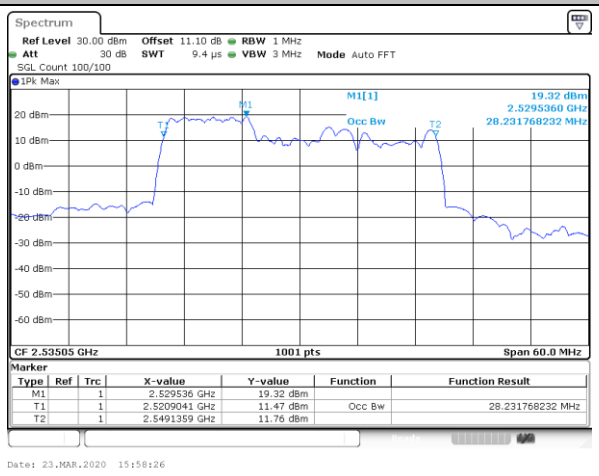
Lowest Channel / 10MHz+20MHz



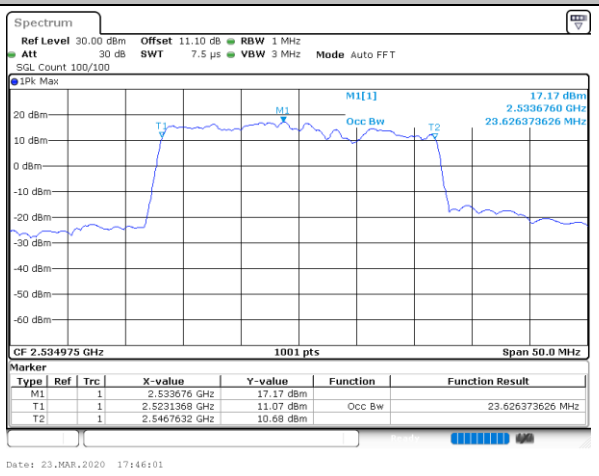
Lowest Channel / 15MHz+10MHz



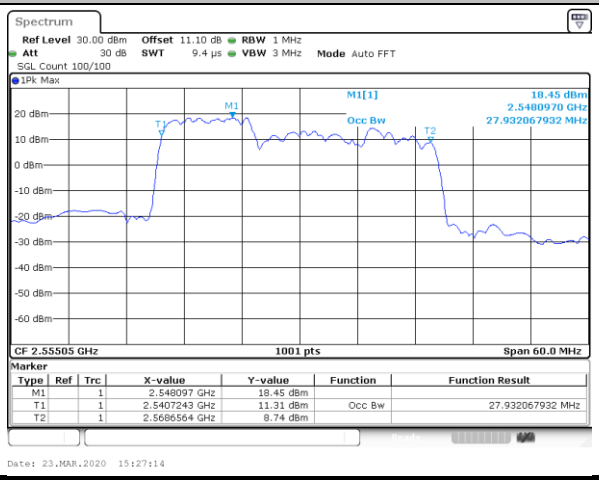
Middle Channel / 10MHz+20MHz



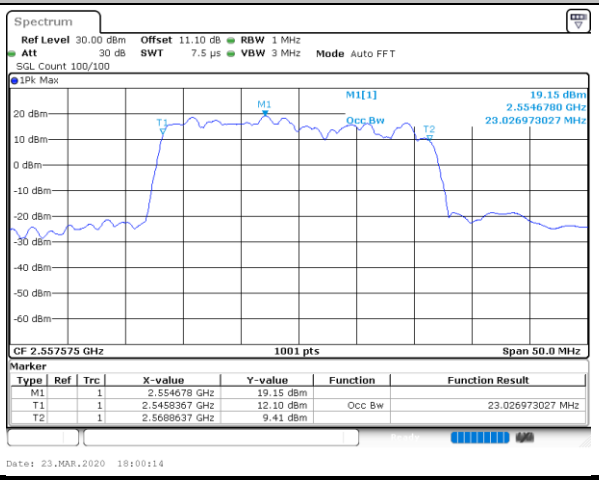
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



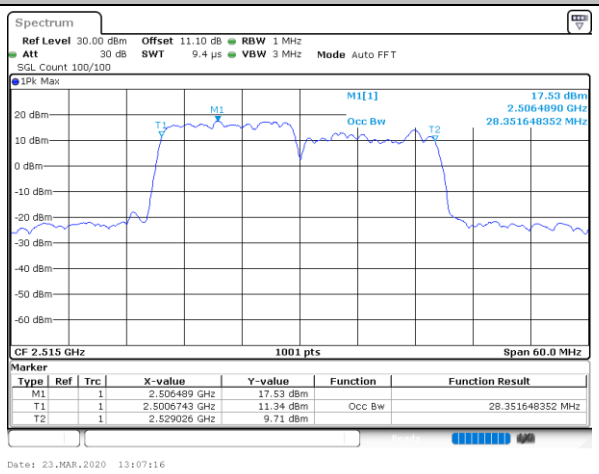
Highest Channel / 15MHz+10MHz



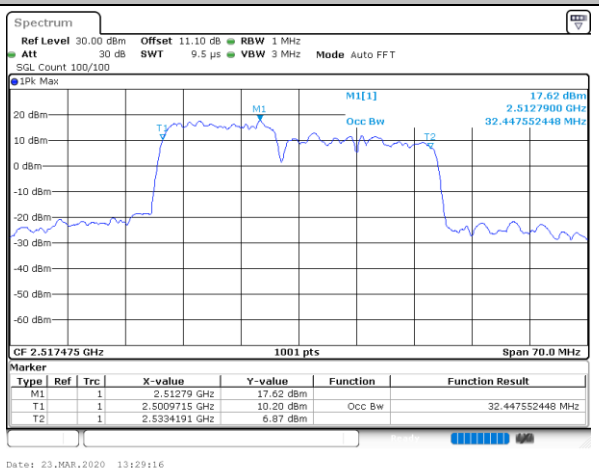
LTE Band 7CA

16QAM

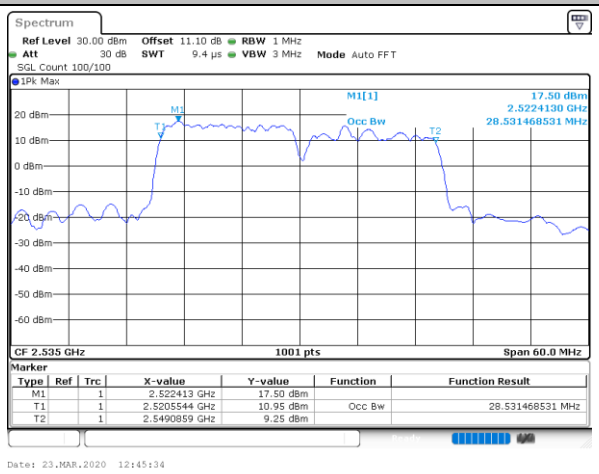
Lowest Channel / 15MHz+15MHz



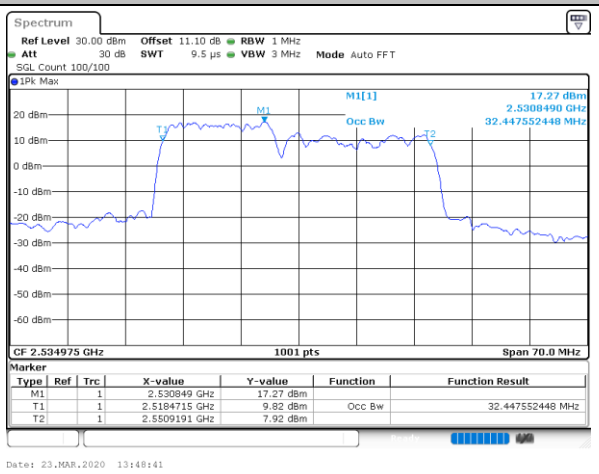
Lowest Channel / 15MHz+20MHz



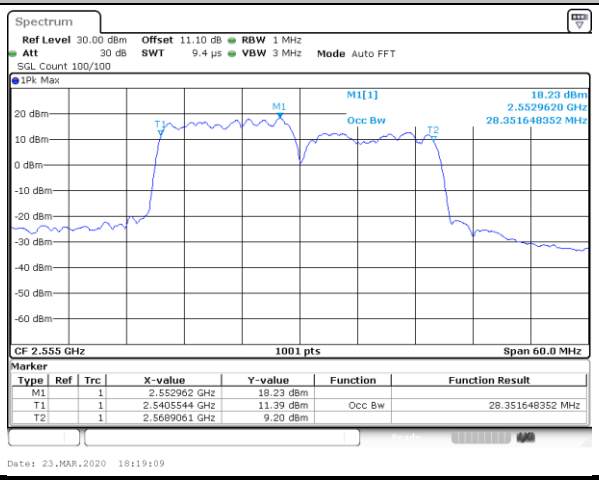
Middle Channel / 15MHz+15MHz



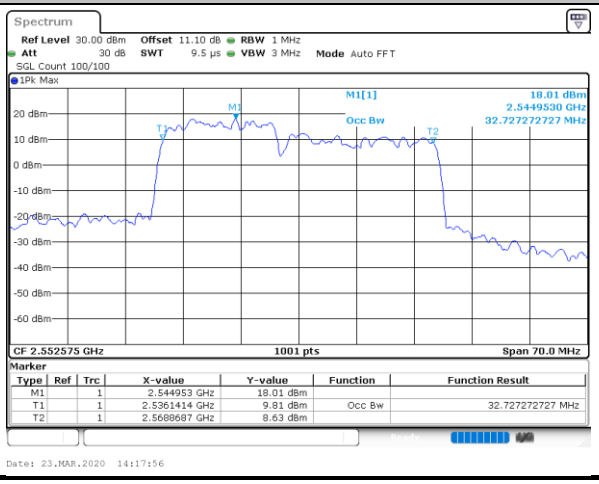
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



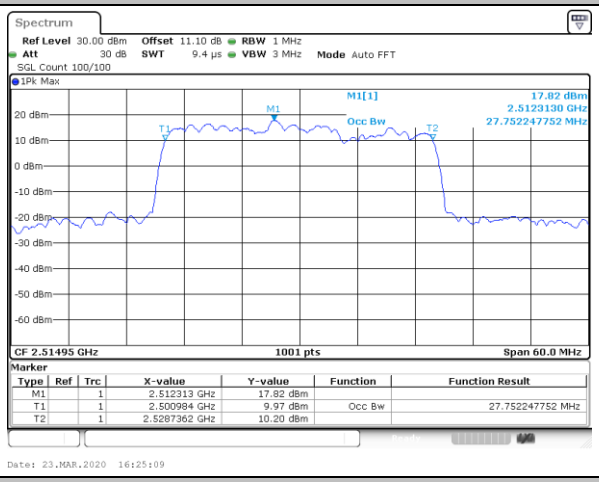
Highest Channel / 15MHz+20MHz



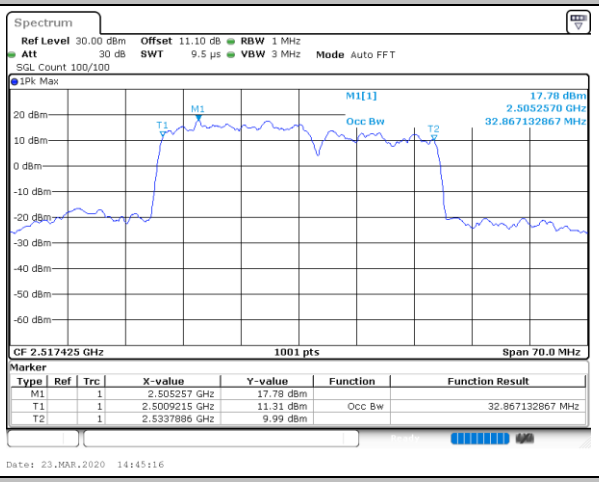
LTE Band 7CA

16QAM

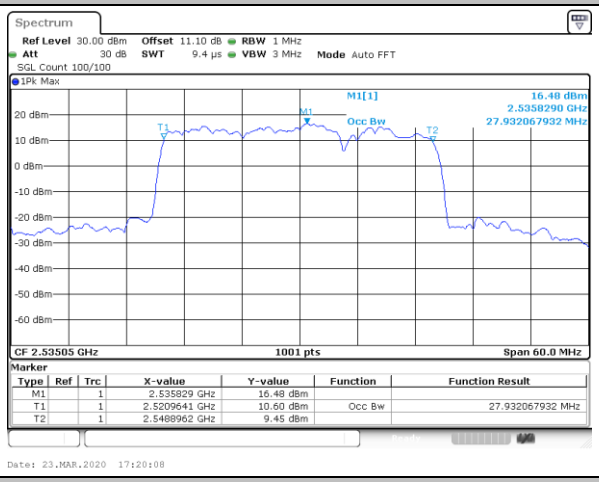
Lowest Channel / 20MHz+10MHz



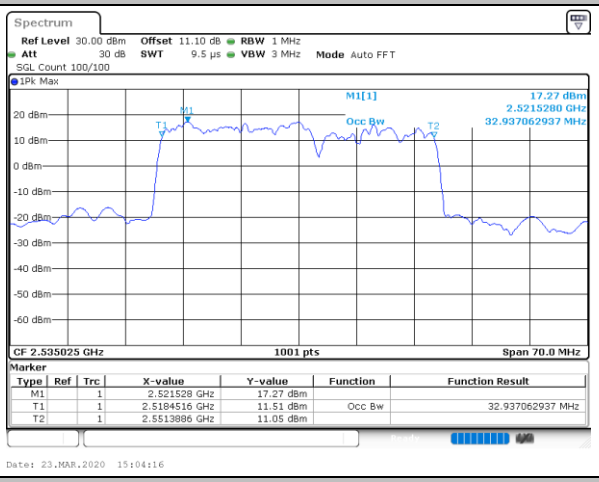
Lowest Channel / 20MHz+15MHz



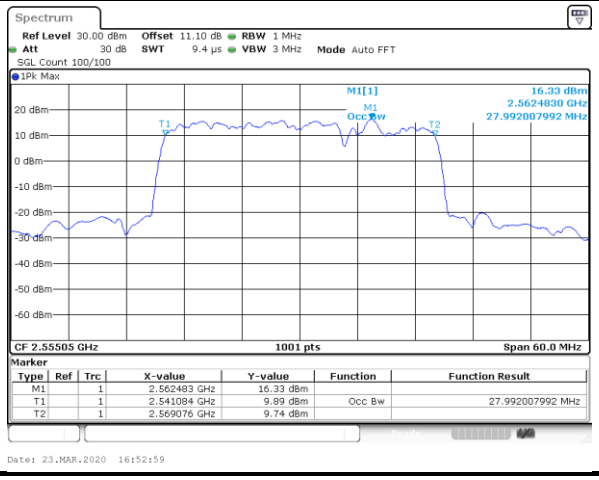
Middle Channel / 20MHz+10MHz



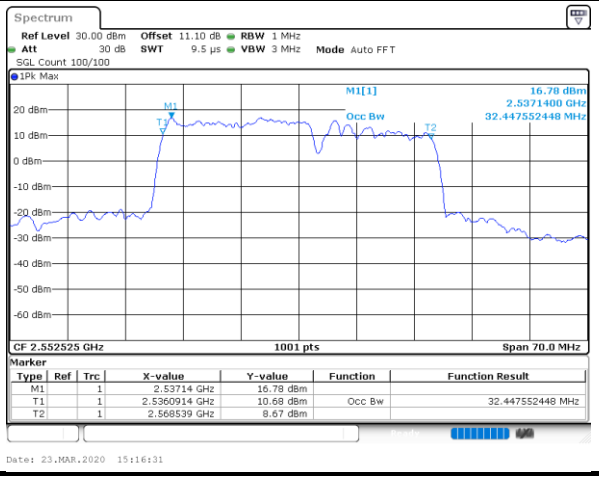
Middle Channel / 20MHz+15MHz



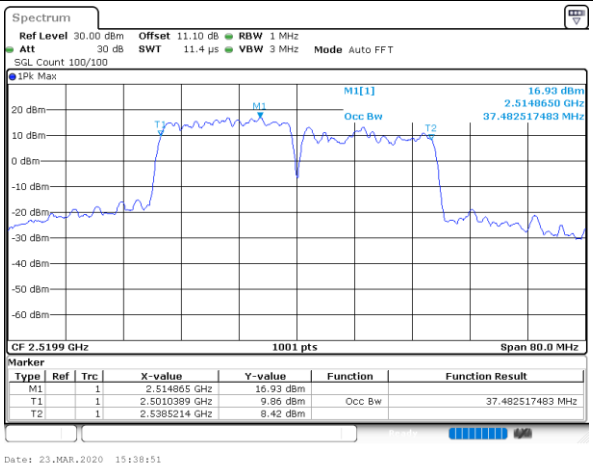
Highest Channel / 20MHz+10MHz



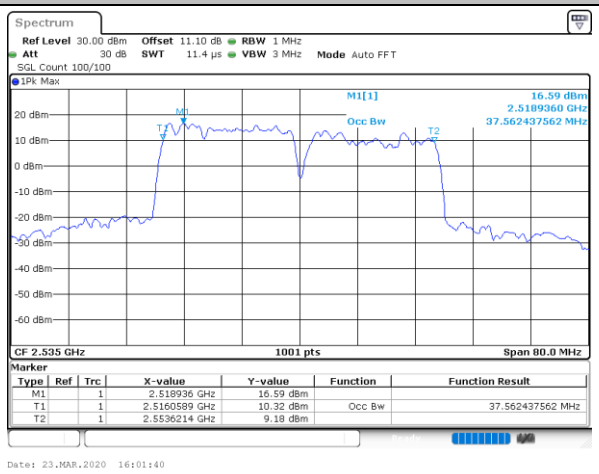
Highest Channel / 20MHz+15MHz



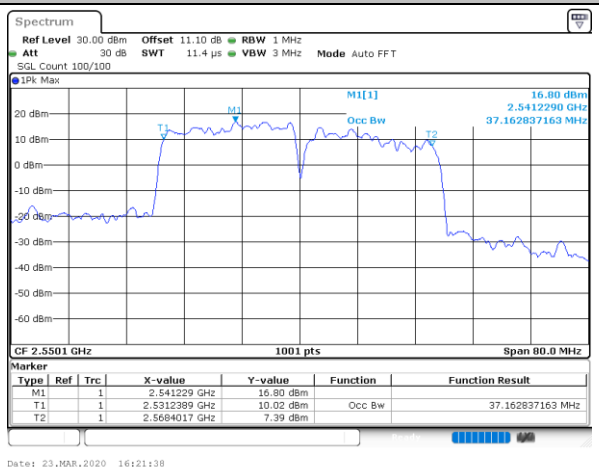
LTE Band 7CA	
16QAM	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



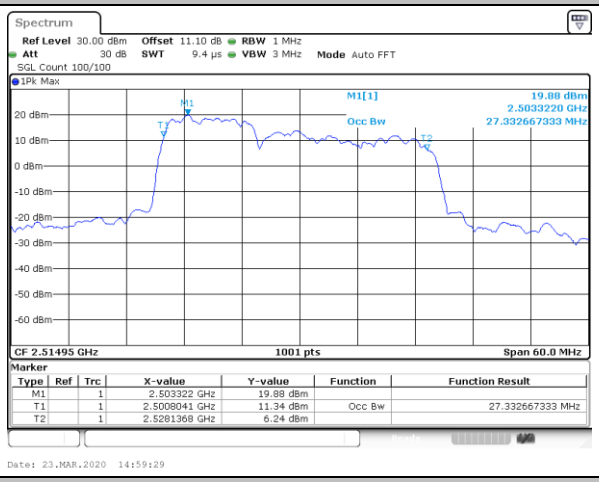
Highest Channel / 20MHz+20MHz	N/A



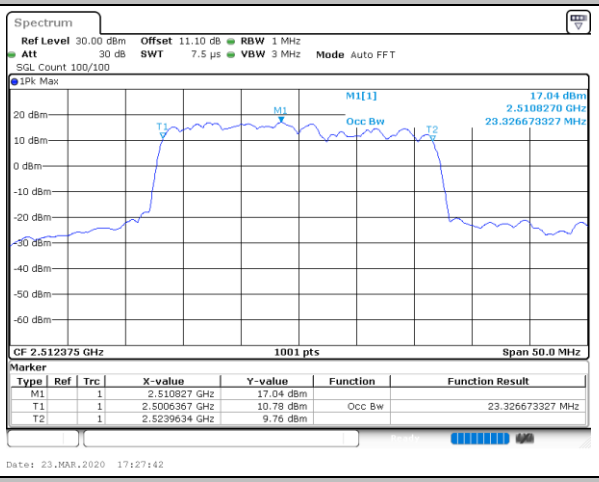
LTE Band 7CA

64QAM

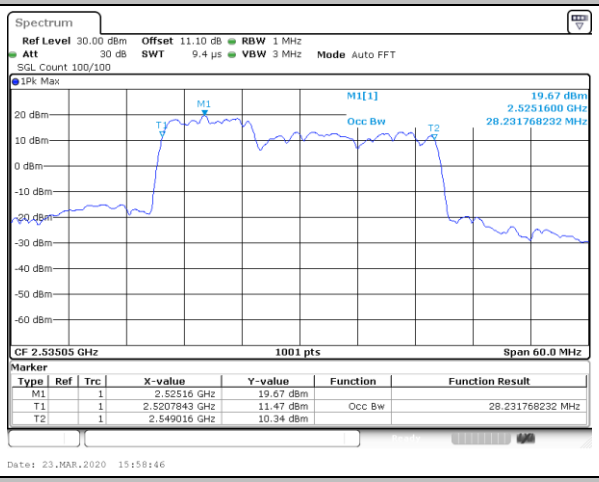
Lowest Channel / 10MHz+20MHz



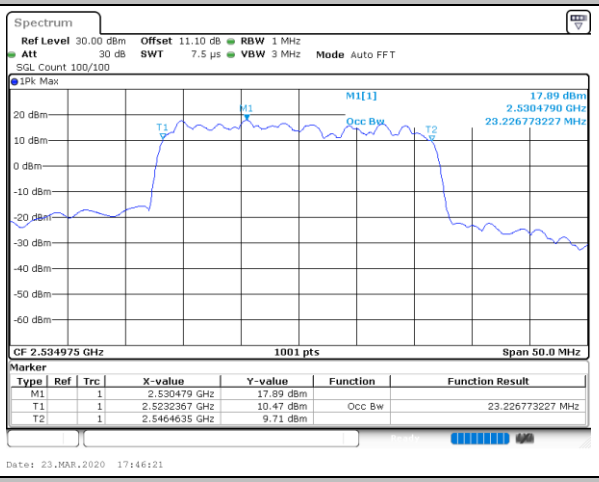
Lowest Channel / 15MHz+10MHz



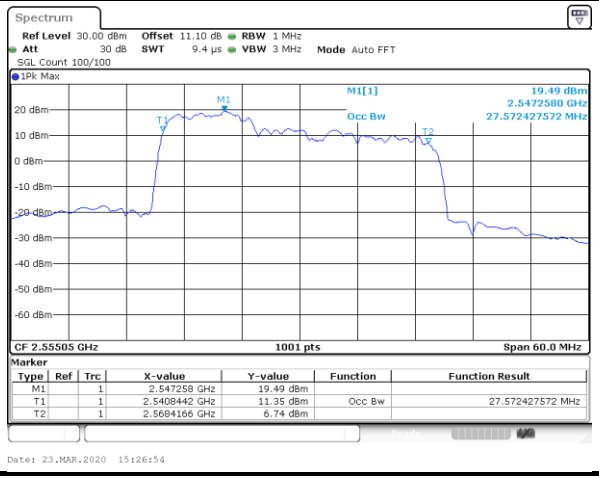
Middle Channel / 10MHz+20MHz



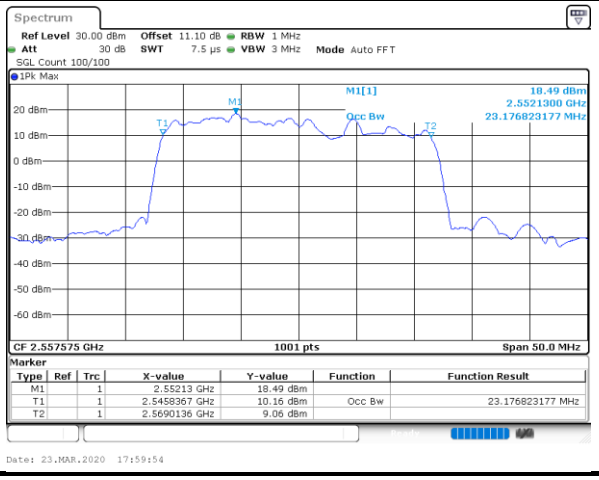
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



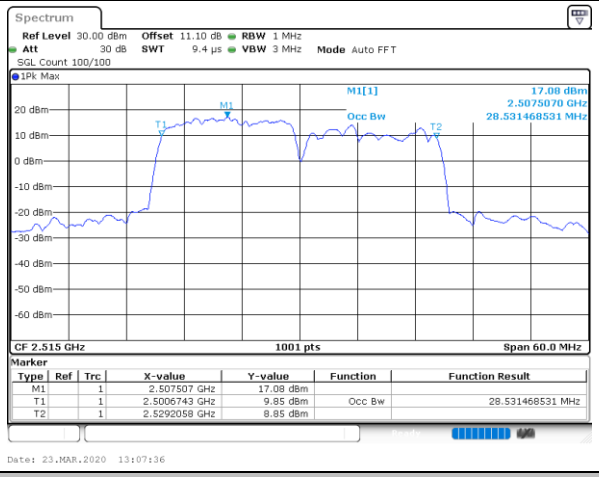
Highest Channel / 15MHz+10MHz



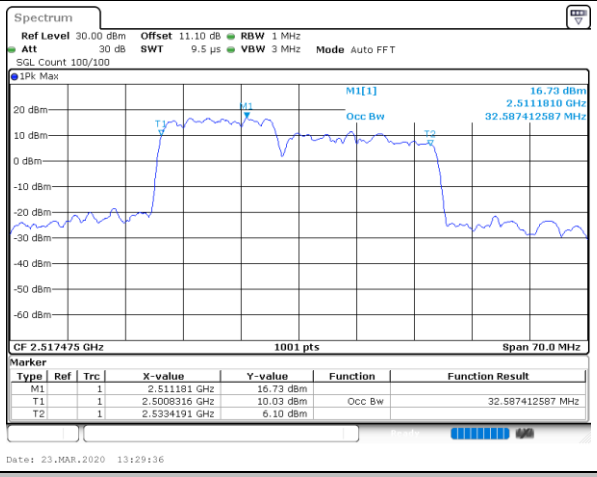
LTE Band 7CA

64QAM

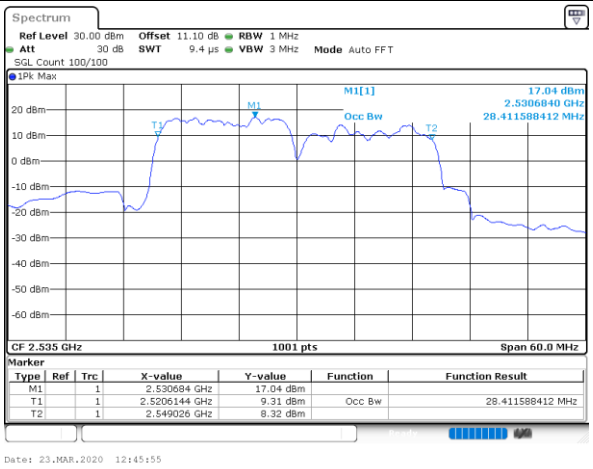
Lowest Channel / 15MHz+15MHz



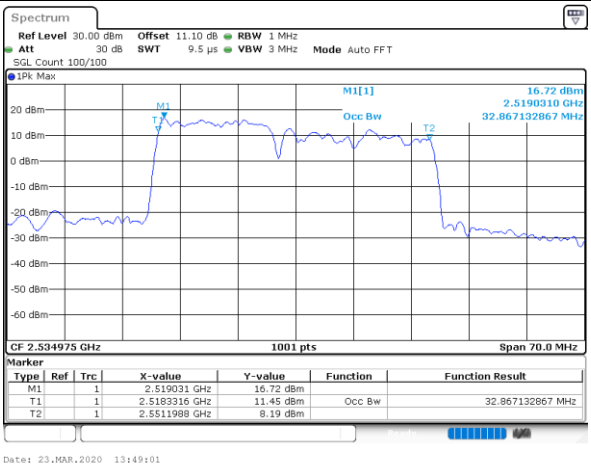
Lowest Channel / 15MHz+20MHz



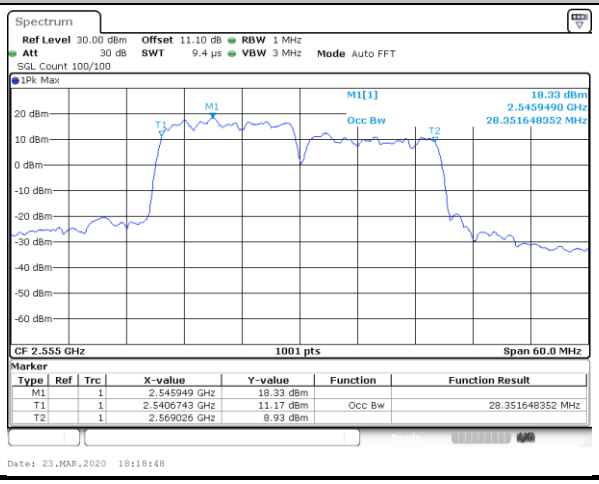
Middle Channel / 15MHz+15MHz



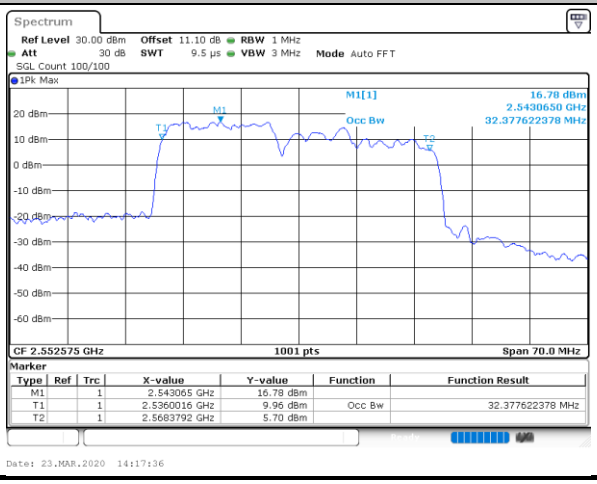
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



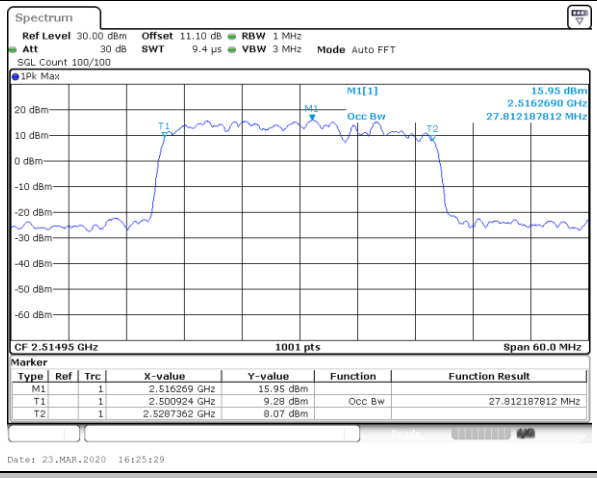
Highest Channel / 15MHz+20MHz



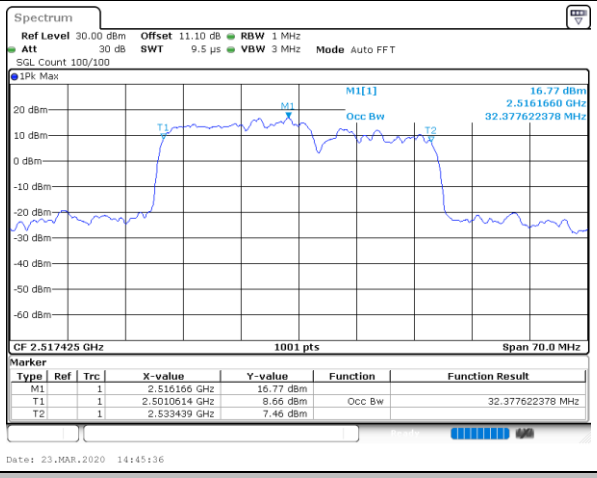
LTE Band 7CA

64QAM

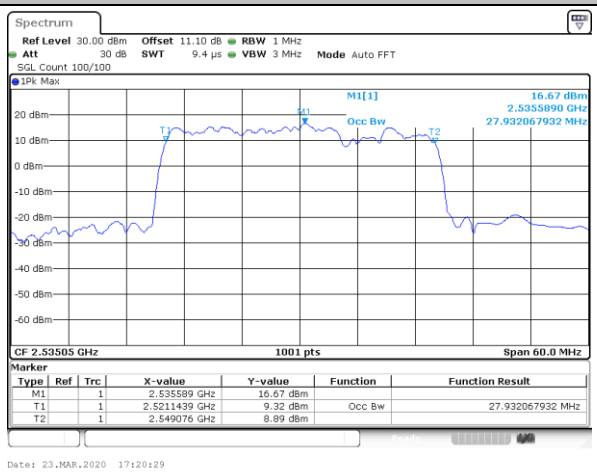
Lowest Channel / 20MHz+10MHz



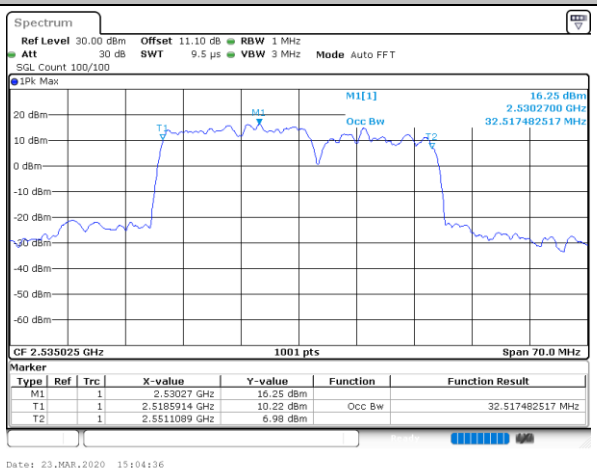
Lowest Channel / 20MHz+15MHz



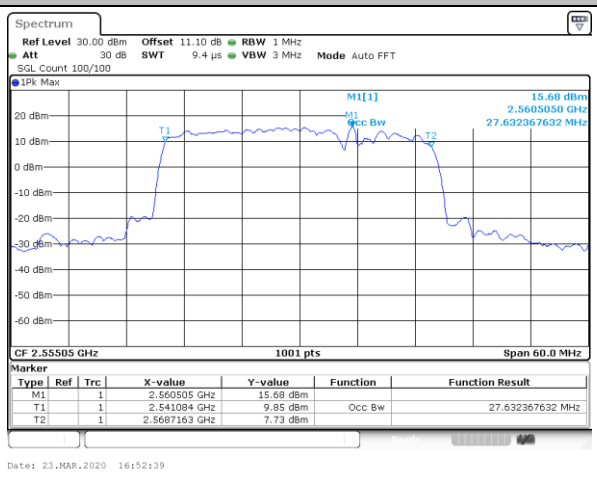
Middle Channel / 20MHz+10MHz



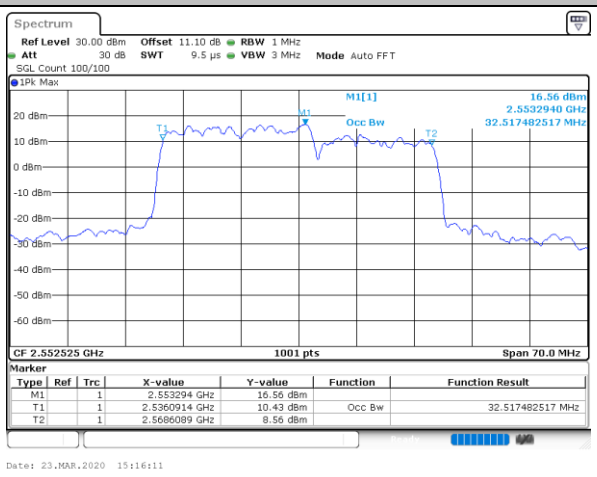
Middle Channel / 20MHz+15MHz



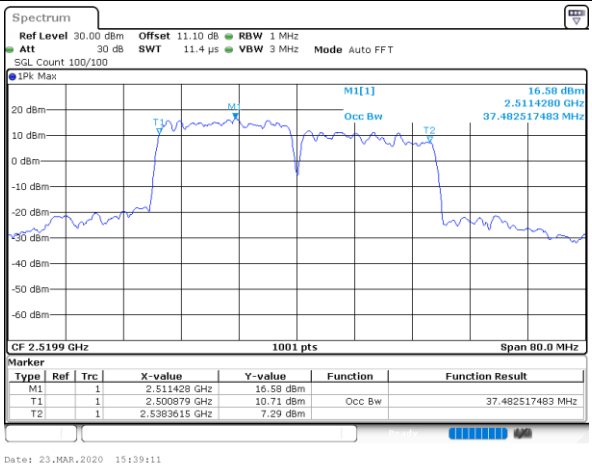
Highest Channel / 20MHz+10MHz



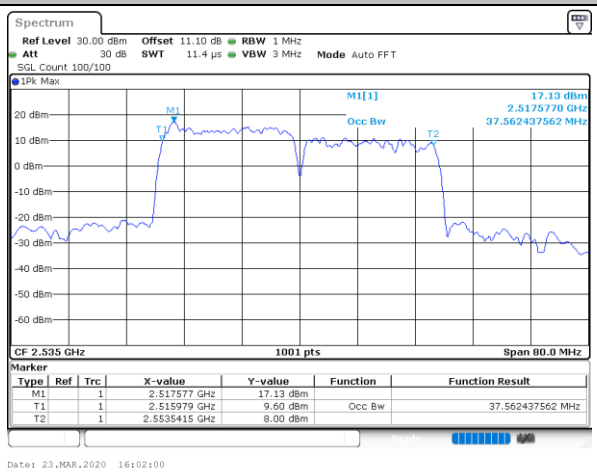
Highest Channel / 20MHz+15MHz



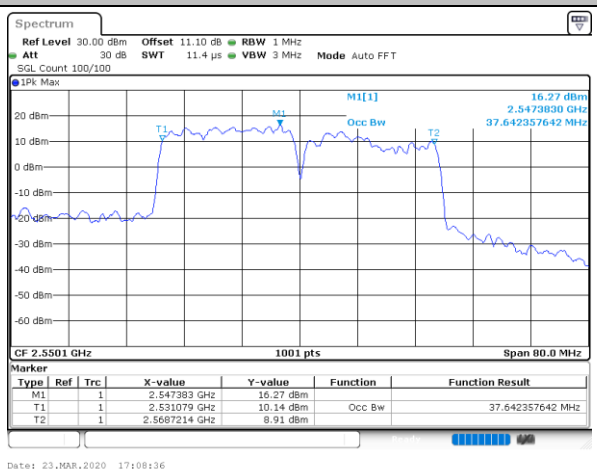
LTE Band 7CA	
64QAM	
Lowest Channel / 20MHz+20MHz	N/A



Middle Channel / 20MHz+20MHz	N/A



Highest Channel / 20MHz+20MH	N/A

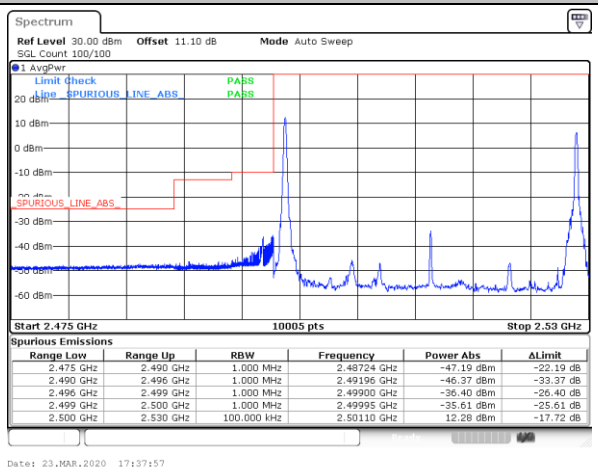


Conducted Band Edge

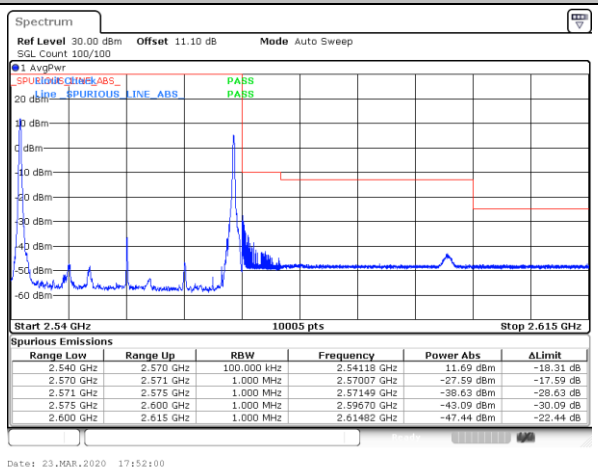
LTE Band 7CA / 10MHz+20MHz

QPSK

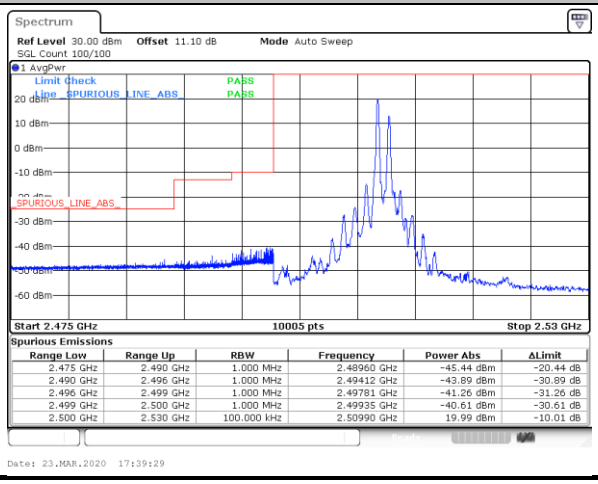
Lowest Band Edge / 1RB0 and 1RB99



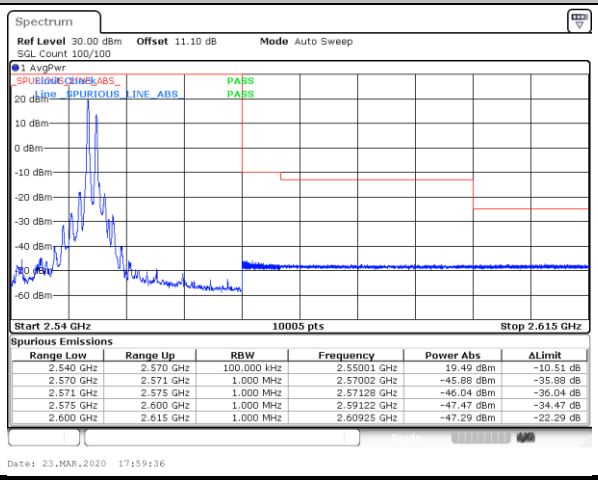
Highest Band Edge / 1RB0 and 1RB99



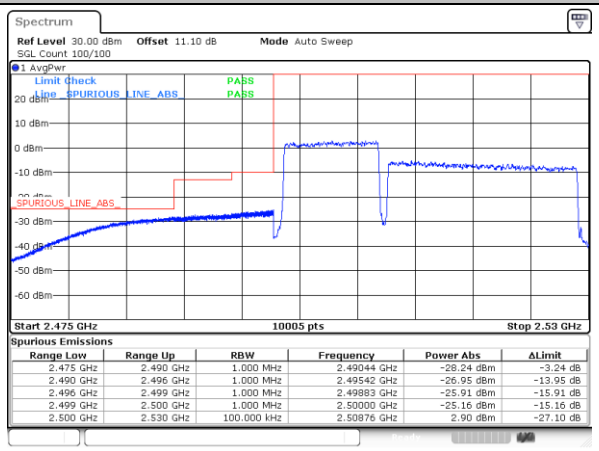
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0

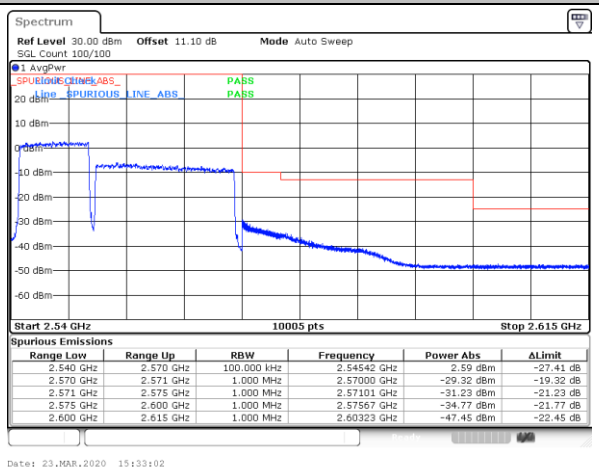


Lowest Band Edge / Full RB	Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49044 GHz	-28.24 dBm	-3.24 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49542 GHz	-26.95 dBm	-13.95 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49883 GHz	-25.91 dBm	-15.91 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.50000 GHz	-25.16 dBm	-15.16 dB
2.500 GHz	2.530 GHz	100.000 kHz	2.50876 GHz	2.90 dBm	-27.10 dB



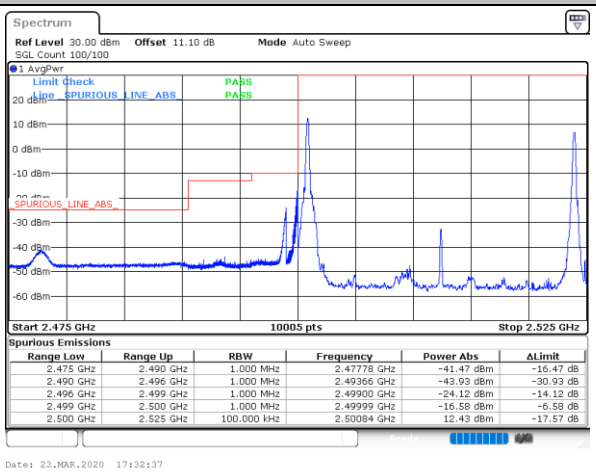
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.54542 GHz	2.59 dBm	-27.41 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57000 GHz	-29.32 dBm	-19.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-31.23 dBm	-21.23 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.57567 GHz	-34.77 dBm	-21.77 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.60323 GHz	-47.45 dBm	-22.45 dB

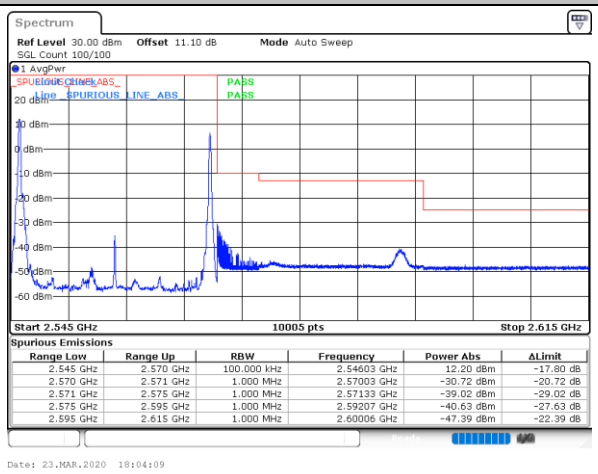
LTE Band 7CA / 15MHz+10MHz

QPSK

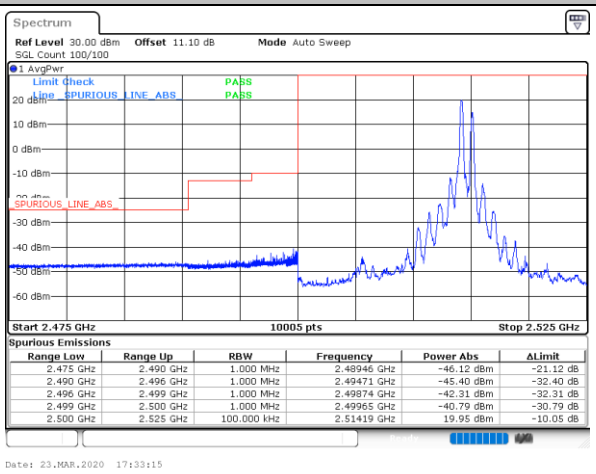
Lowest Band Edge / 1RB0 and 1RB49



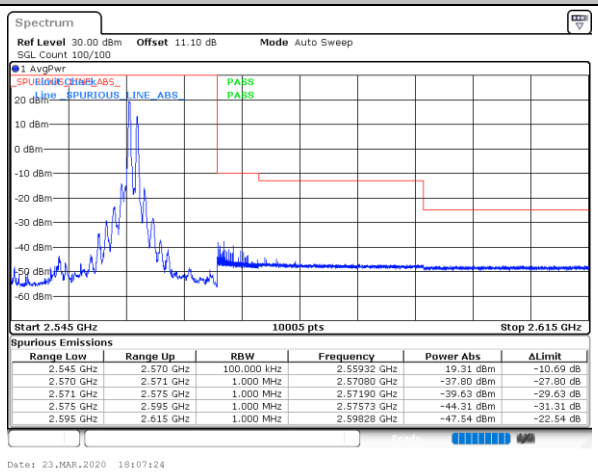
Highest Band Edge / 1RB0 and 1RB49



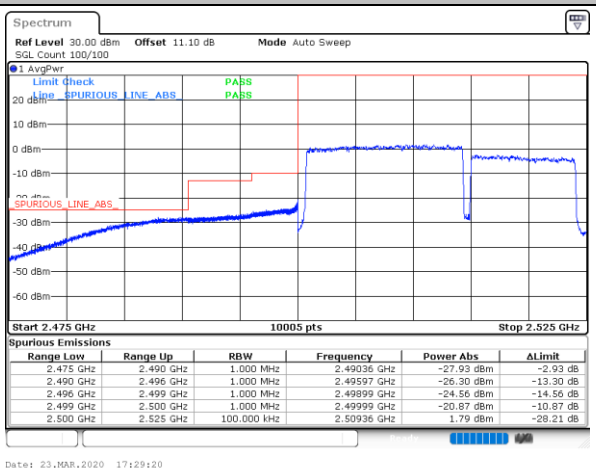
Lowest Band Edge / 1RB74 and 1RB0



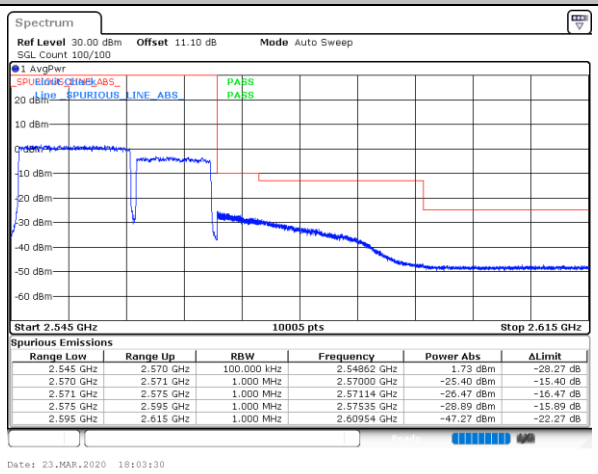
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



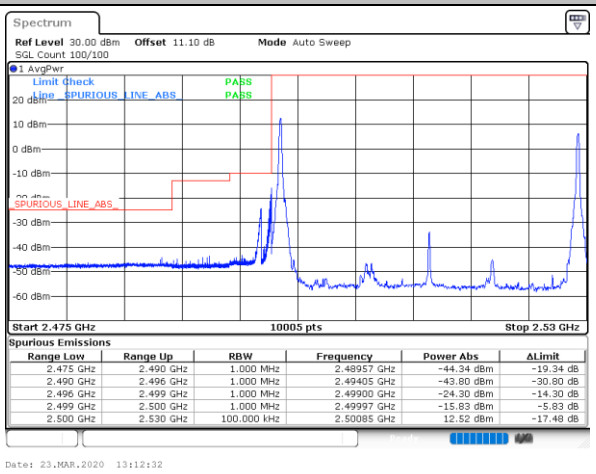
Highest Band Edge / Full RB



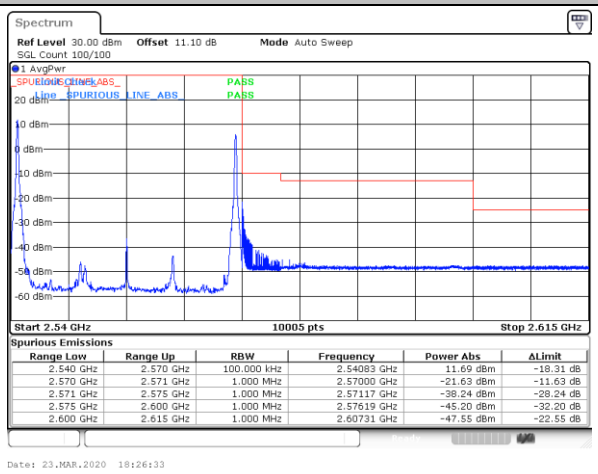
LTE Band 7CA / 15MHz+15MHz

QPSK

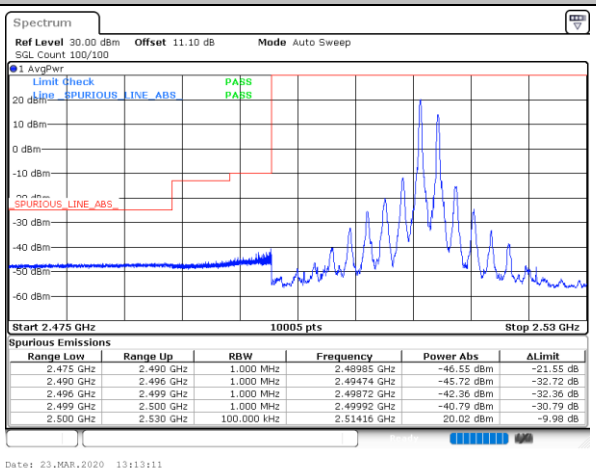
Lowest Band Edge / 1RB0 and 1RB74



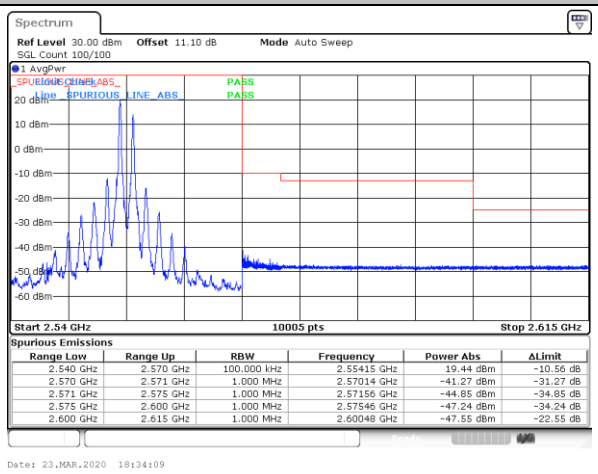
Highest Band Edge / 1RB0 and 1RB74



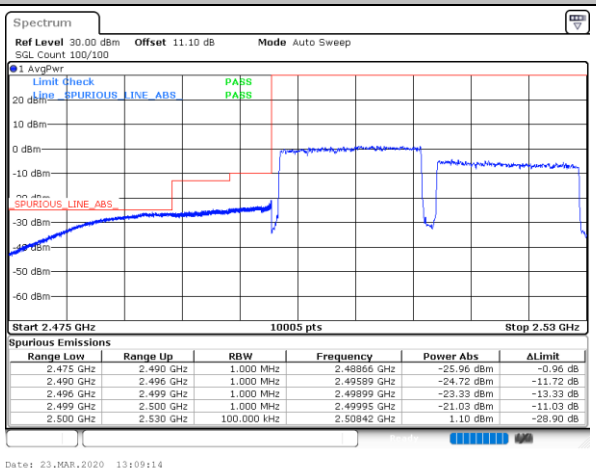
Lowest Band Edge / 1RB74 and 1RB0



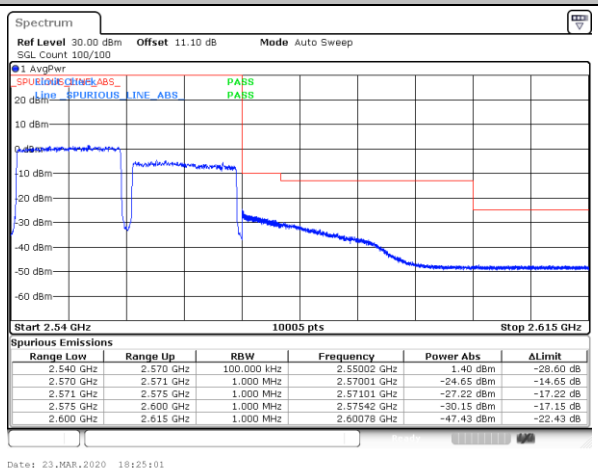
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



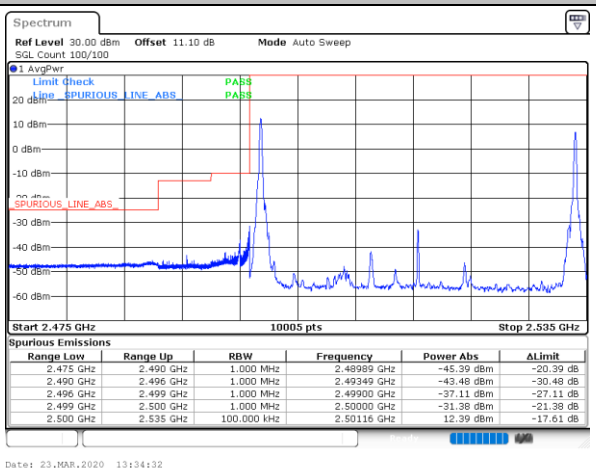
Highest Band Edge / Full RB



LTE Band 7CA / 15MHz+20MHz

QPSK

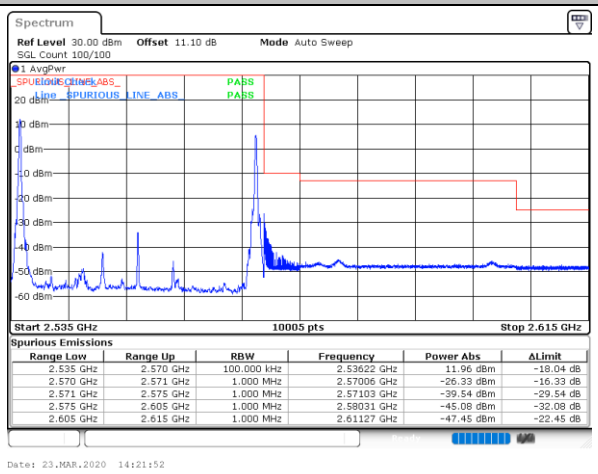
Lowest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48989 GHz	-45.39 dBm	-20.39 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49349 GHz	-43.48 dBm	-30.48 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-37.11 dBm	-27.11 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.50000 GHz	-31.38 dBm	-21.38 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.50116 GHz	12.39 dBm	-17.61 dB

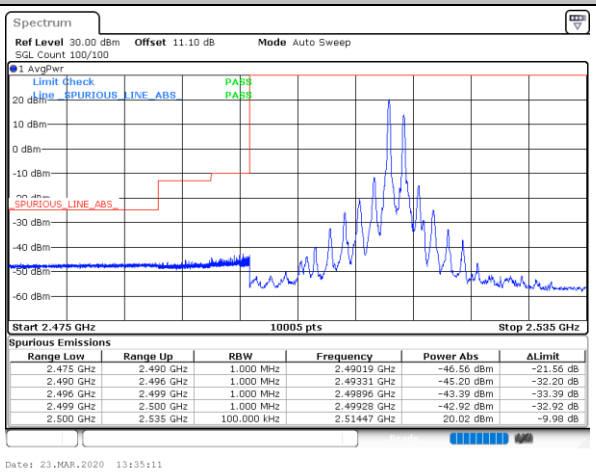
Highest Band Edge / 1RB0 and 1RB99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.53622 GHz	11.96 dBm	-18.04 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57006 GHz	-26.33 dBm	-16.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-39.54 dBm	-29.54 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.58031 GHz	-45.08 dBm	-32.08 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.61127 GHz	-47.45 dBm	-22.45 dB

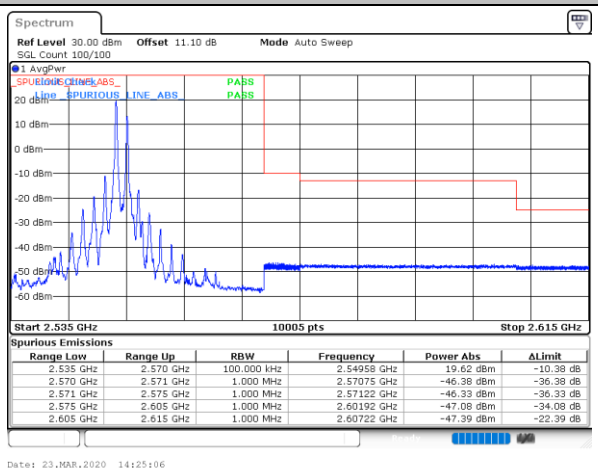
Lowest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49019 GHz	-46.56 dBm	-21.56 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49331 GHz	-45.20 dBm	-32.20 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-43.39 dBm	-33.39 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49928 GHz	-42.92 dBm	-32.92 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.51447 GHz	20.02 dBm	-9.98 dB

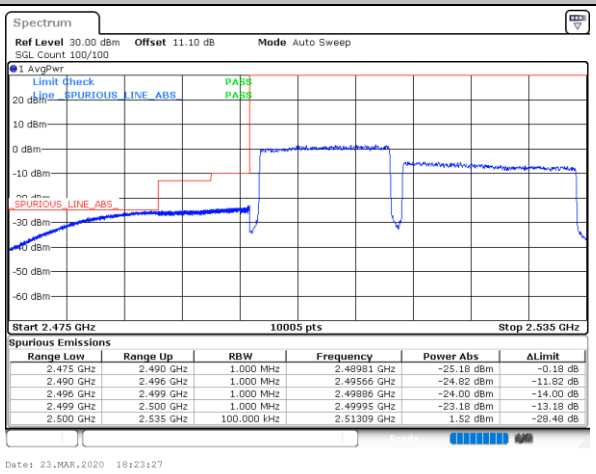
Highest Band Edge / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54958 GHz	19.62 dBm	-10.38 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57075 GHz	-46.38 dBm	-36.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-46.33 dBm	-36.33 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.60192 GHz	-47.08 dBm	-34.08 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.60722 GHz	-47.39 dBm	-22.39 dB

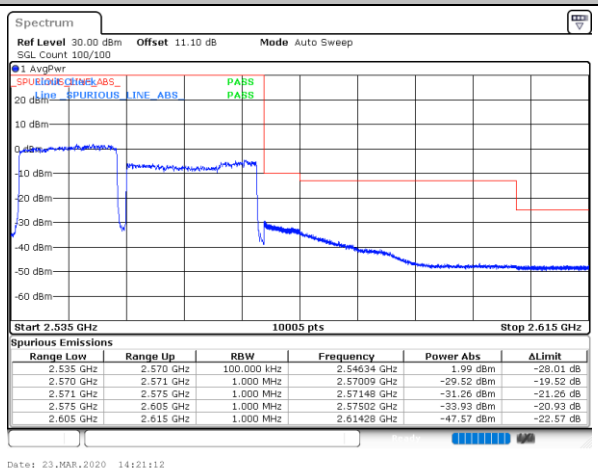
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48981 GHz	-25.18 dBm	-0.18 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49566 GHz	-24.82 dBm	-11.82 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-24.00 dBm	-14.00 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49995 GHz	-23.18 dBm	-13.18 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.51309 GHz	1.52 dBm	-28.48 dB

Highest Band Edge / Full RB



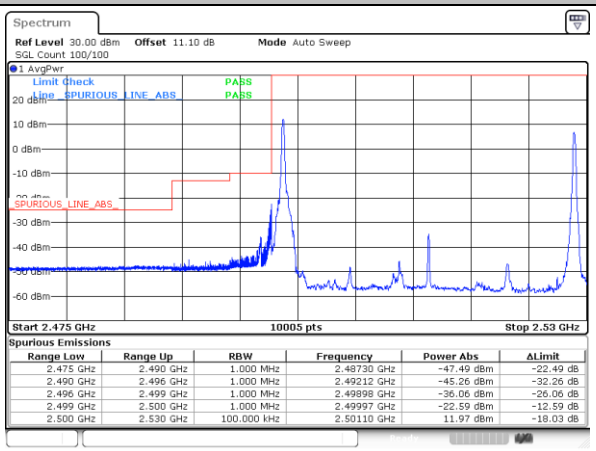
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54634 GHz	1.99 dBm	-28.01 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57009 GHz	-29.52 dBm	-19.52 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57148 GHz	-31.26 dBm	-21.26 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57502 GHz	-33.93 dBm	-20.93 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.61428 GHz	-47.57 dBm	-22.57 dB

LTE Band 7CA / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

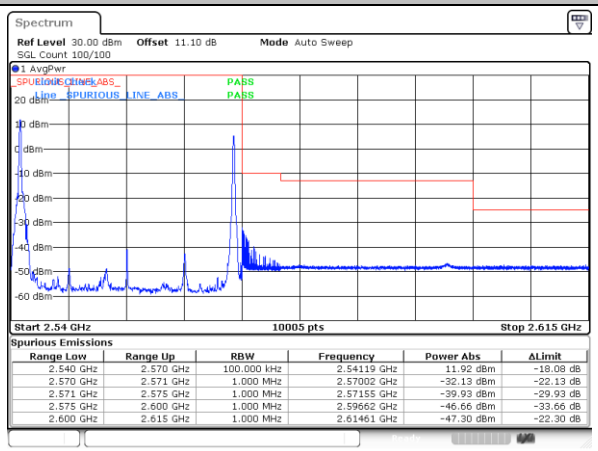


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48730 GHz	-47.49 dBm	-22.49 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49212 GHz	-45.26 dBm	-32.26 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-36.06 dBm	-26.06 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49997 GHz	-22.59 dBm	-12.59 dB
2.500 GHz	2.530 GHz	100.000 kHz	2.50110 GHz	11.97 dBm	-18.03 dB

Date: 23.MAR.2020 16:35:39

Highest Band Edge / 1RB0 and 1RB49

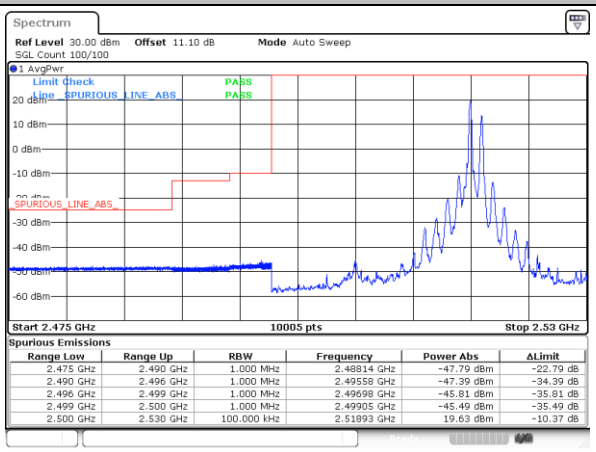


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.54119 GHz	11.92 dBm	-18.08 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57002 GHz	-32.13 dBm	-22.13 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57155 GHz	-39.93 dBm	-29.93 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.59662 GHz	-46.66 dBm	-33.66 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.61461 GHz	-47.30 dBm	-22.30 dB

Date: 23.MAR.2020 17:00:24

Lowest Band Edge / 1RB99 and 1RB0

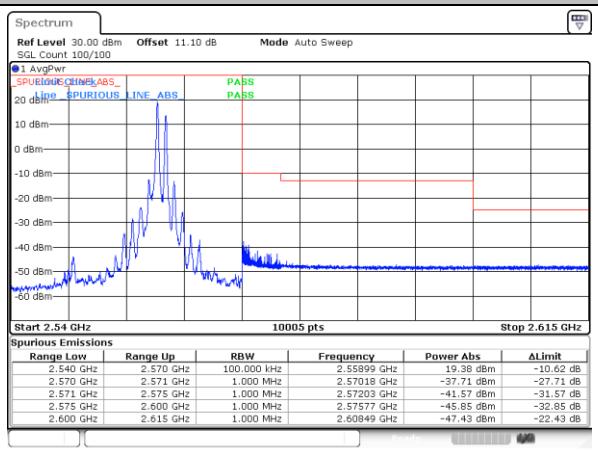


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48814 GHz	-47.79 dBm	-22.79 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49558 GHz	-47.39 dBm	-34.39 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49698 GHz	-45.81 dBm	-35.81 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49905 GHz	-45.49 dBm	-35.49 dB
2.500 GHz	2.530 GHz	100.000 kHz	2.51893 GHz	19.63 dBm	-10.37 dB

Date: 23.MAR.2020 16:37:11

Highest Band Edge / 1RB99 and 1RB0

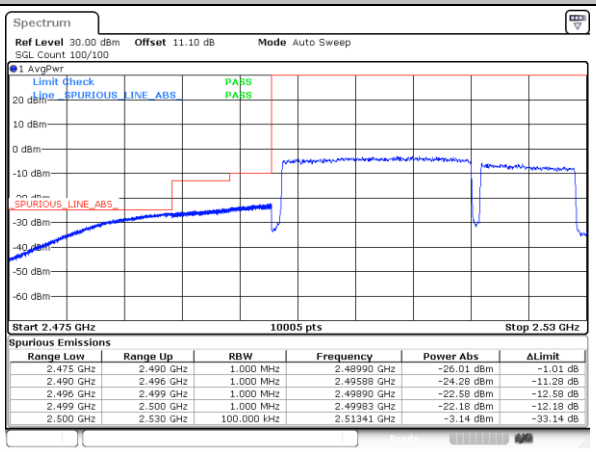


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.540 GHz	2.570 GHz	100.000 kHz	2.55899 GHz	19.38 dBm	-10.62 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57018 GHz	-37.71 dBm	-27.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57203 GHz	-41.57 dBm	-31.57 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.57577 GHz	-45.85 dBm	-32.85 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.60849 GHz	-47.43 dBm	-22.43 dB

Date: 23.MAR.2020 17:08:00

Lowest Band Edge / Full RB

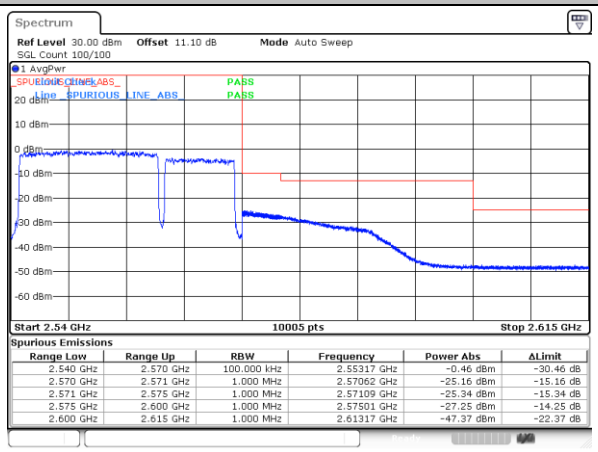


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48990 GHz	-26.01 dBm	-1.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49588 GHz	-24.28 dBm	-11.28 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-22.58 dBm	-12.58 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49983 GHz	-22.18 dBm	-12.18 dB
2.500 GHz	2.530 GHz	100.000 kHz	2.51341 GHz	-3.14 dBm	-33.14 dB

Date: 23.MAR.2020 16:27:59

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	2.55317 GHz	-0.46 dBm	-30.46 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57062 GHz	-25.16 dBm	-15.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-25.34 dBm	-15.34 dB
2.575 GHz	2.600 GHz	1.000 MHz	2.57501 GHz	-27.25 dBm	-14.25 dB
2.600 GHz	2.615 GHz	1.000 MHz	2.61317 GHz	-47.37 dBm	-22.37 dB

Date: 23.MAR.2020 16:58:53