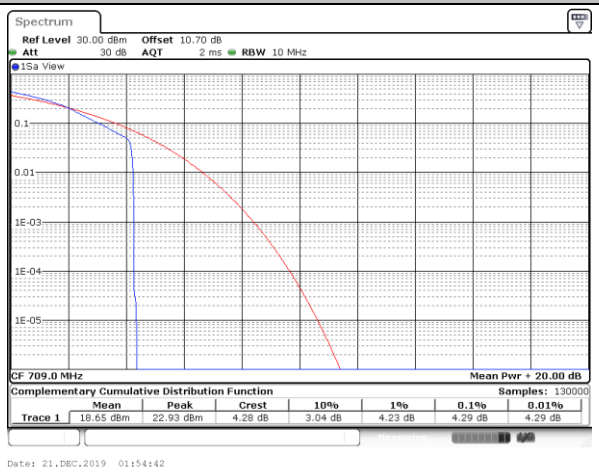
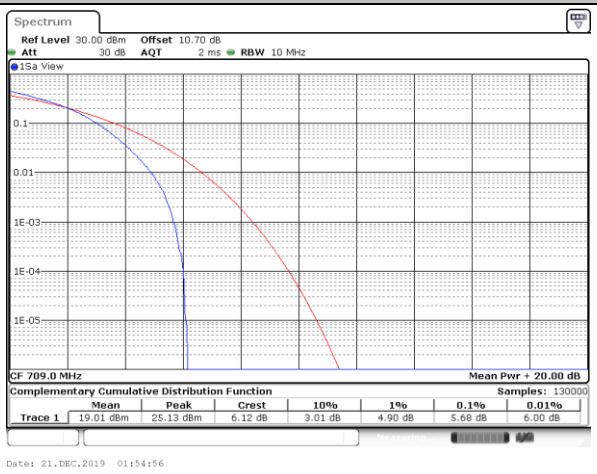
LTE Band 17 / 10MHz / 16QAM

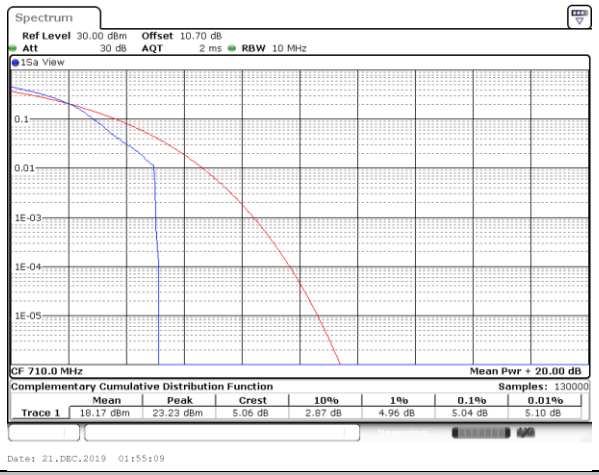
Lowest Channel / 1RB



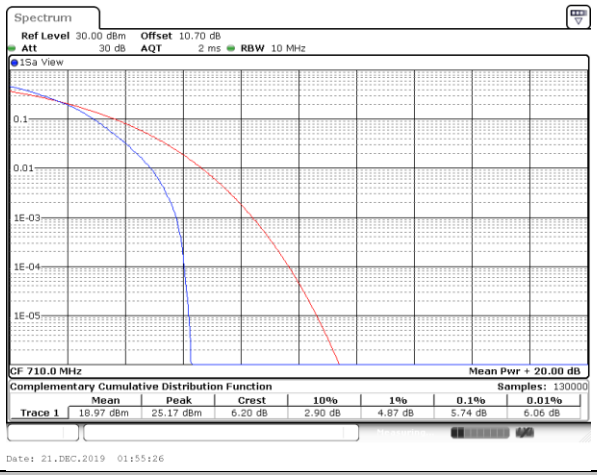
Lowest Channel / Full RB



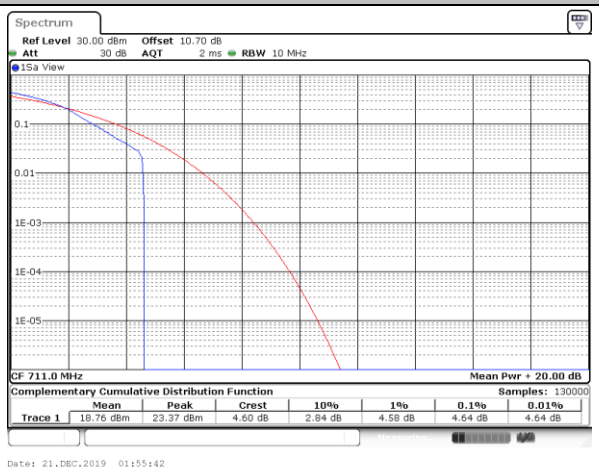
Middle Channel / 1RB



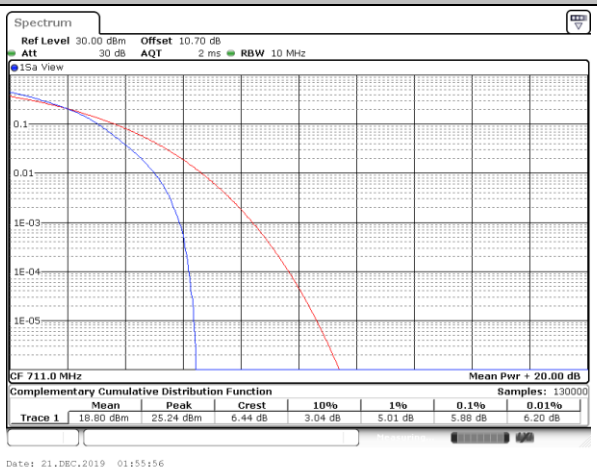
Middle Channel / Full RB



Highest Channel / 1RB

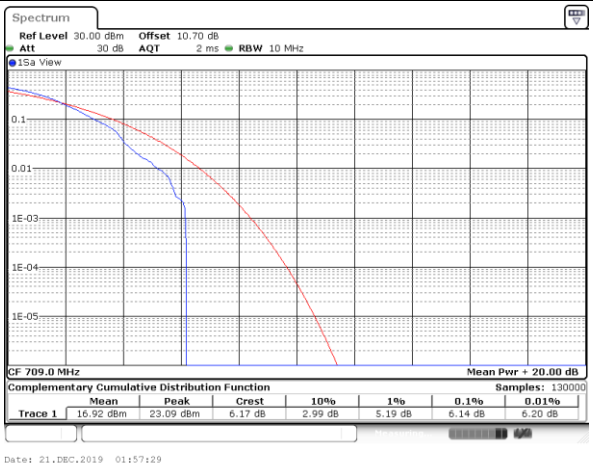


Highest Channel / Full RB

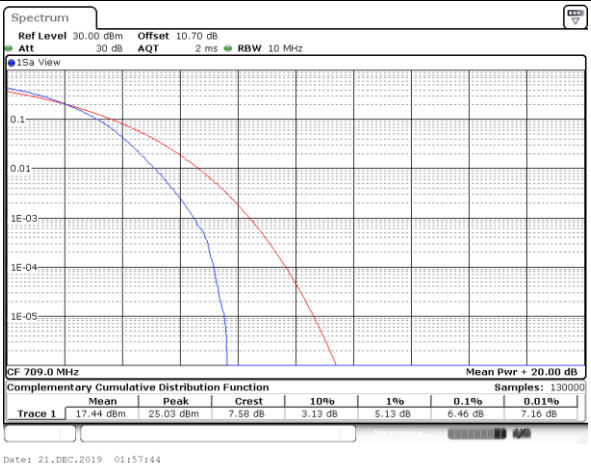


LTE Band 17 / 10MHz / 64QAM

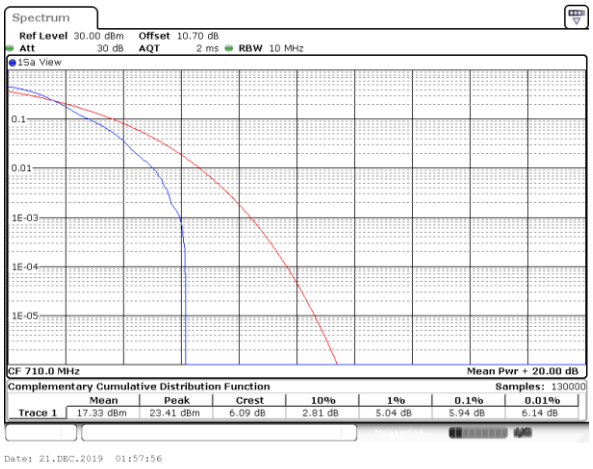
Lowest Channel / 1RB



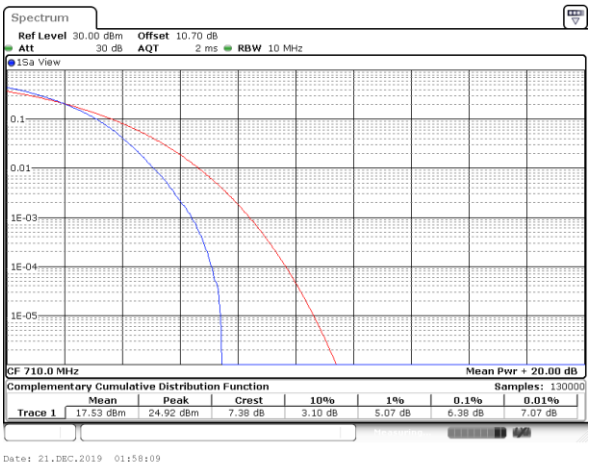
Lowest Channel / Full RB



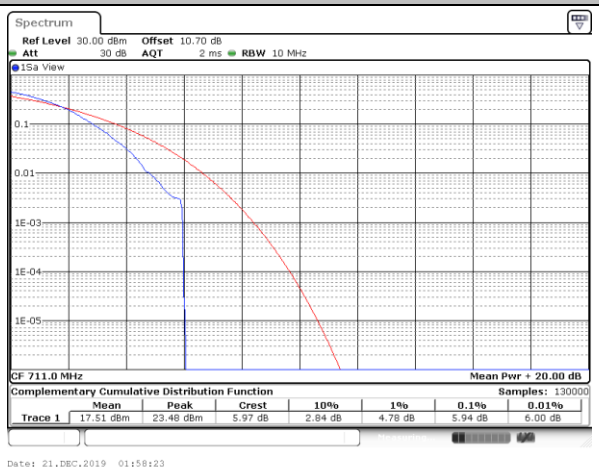
Middle Channel / 1RB



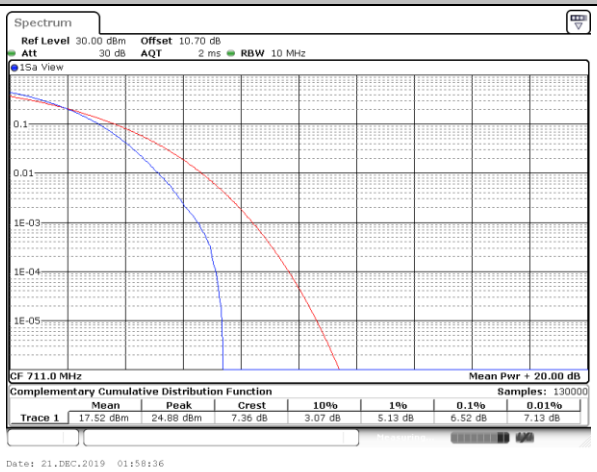
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

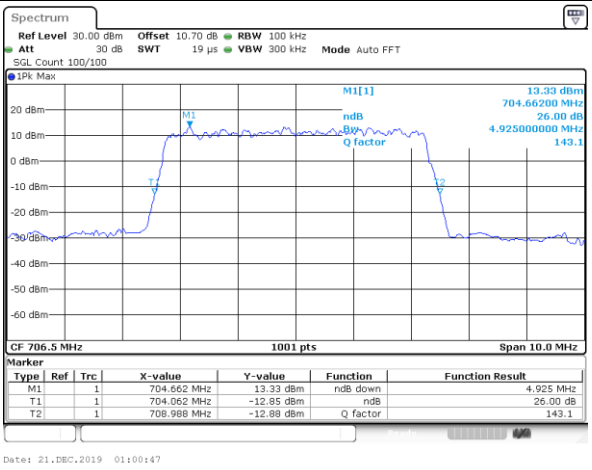


26dB Bandwidth

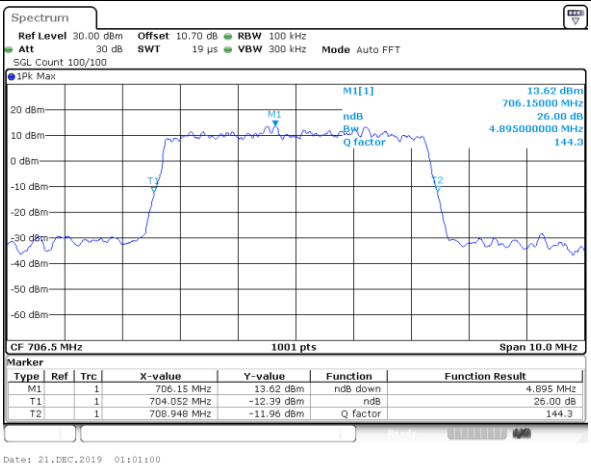
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.93	4.90	9.81	9.75	-	-	-	-
Middle CH	-	-	-	-	4.85	4.91	9.75	9.75	-	-	-	-
Highest CH	-	-	-	-	4.91	4.86	9.89	9.83	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.87	-	9.87	-	-	-	-	-
Middle CH	-	-	-	-	4.93	-	9.77	-	-	-	-	-
Highest CH	-	-	-	-	4.86	-	9.81	-	-	-	-	-

LTE Band 17

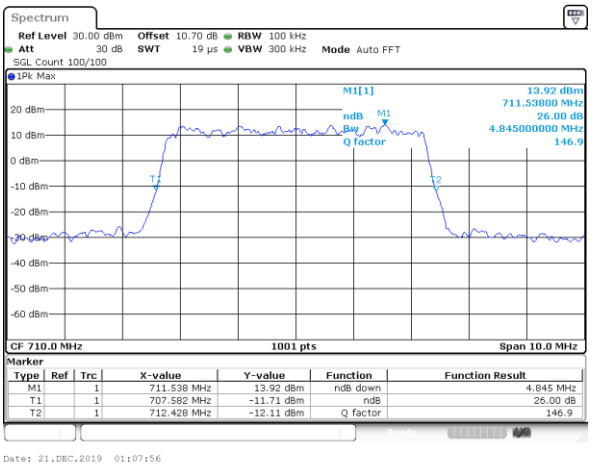
Lowest Channel / 5MHz / QPSK



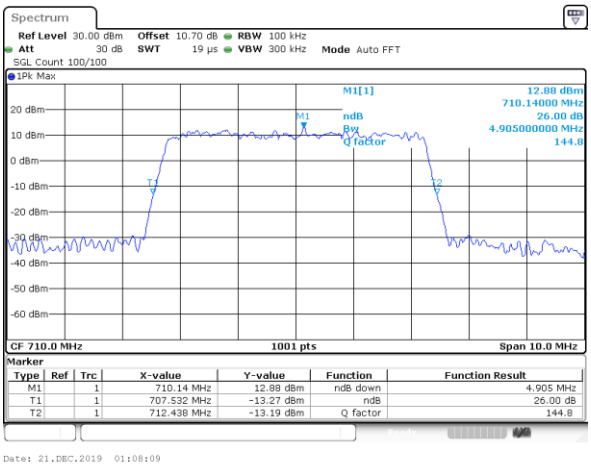
Lowest Channel / 5MHz / 16QAM



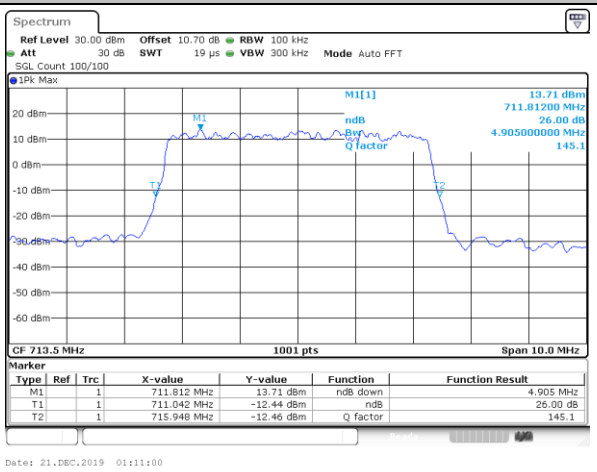
Middle Channel / 5MHz / QPSK



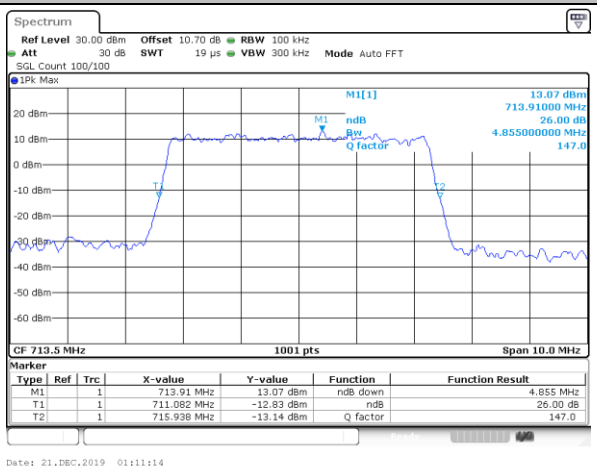
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

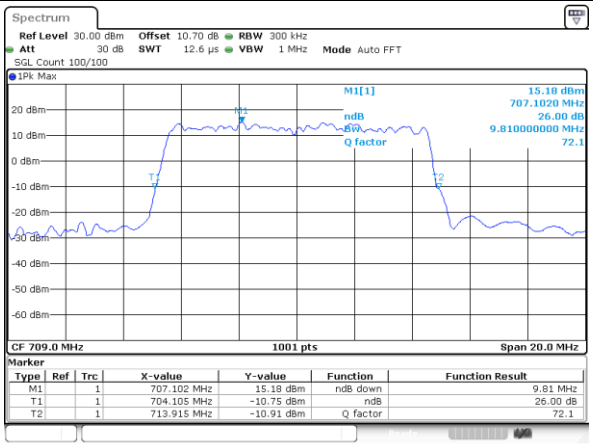


Highest Channel / 5MHz / 16QAM

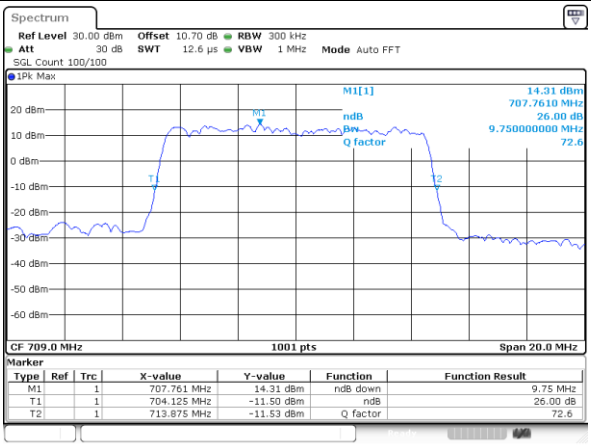


LTE Band 17

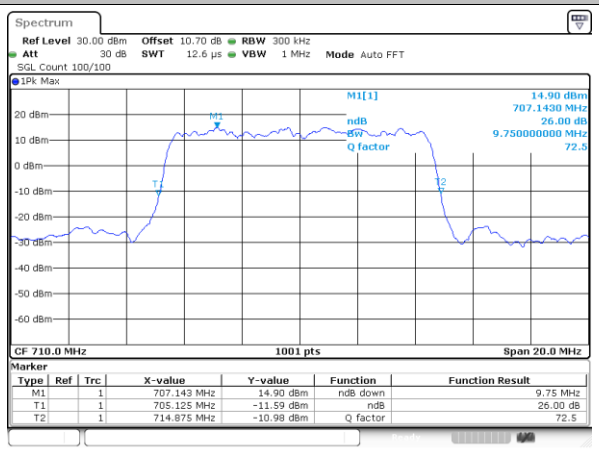
Lowest Channel / 10MHz / QPSK



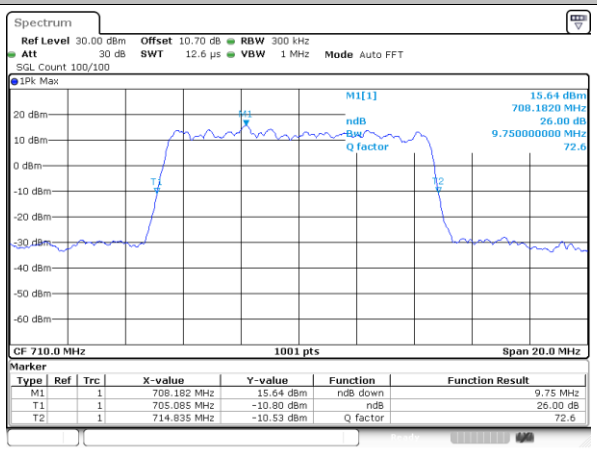
Lowest Channel / 10MHz / 16QAM



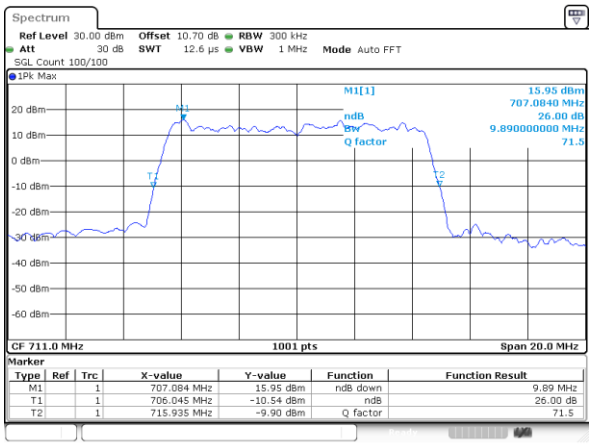
Middle Channel / 10MHz / QPSK



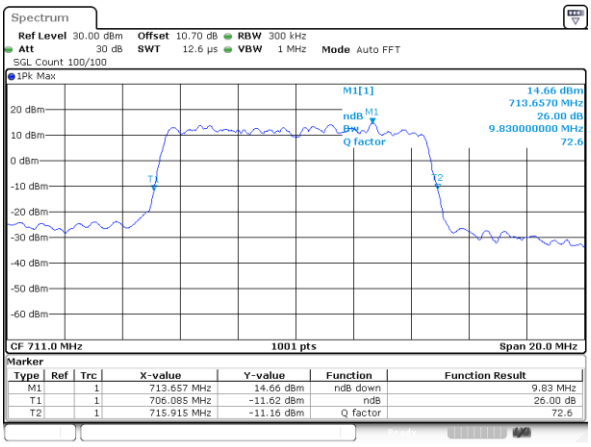
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

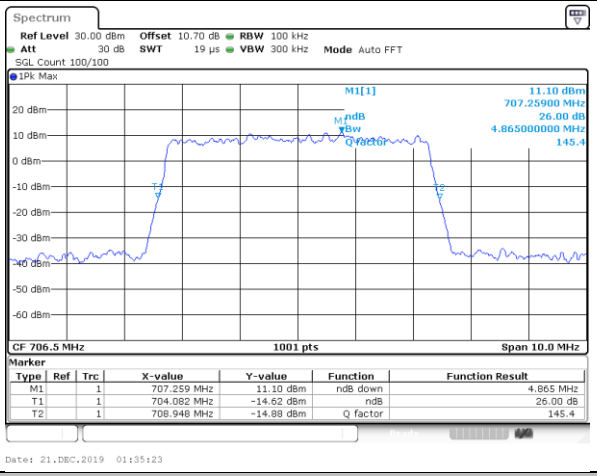


Highest Channel / 10MHz / 16QAM

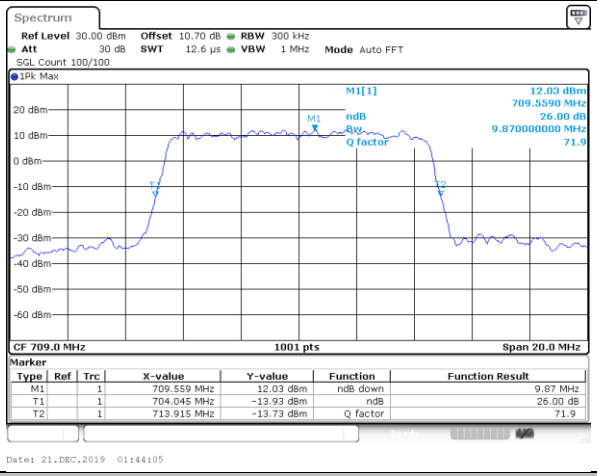


LTE Band 17

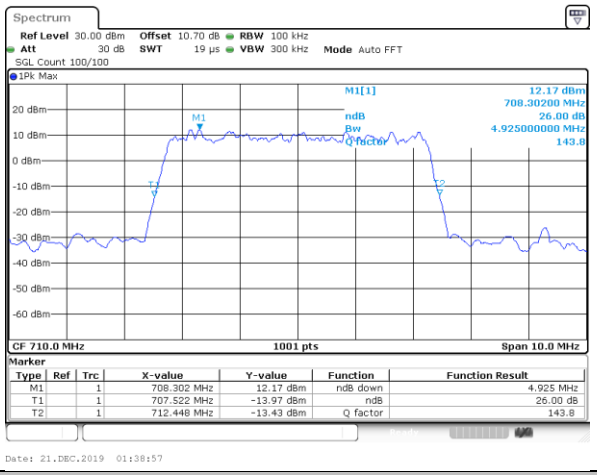
Lowest Channel / 5MHz / 64QAM



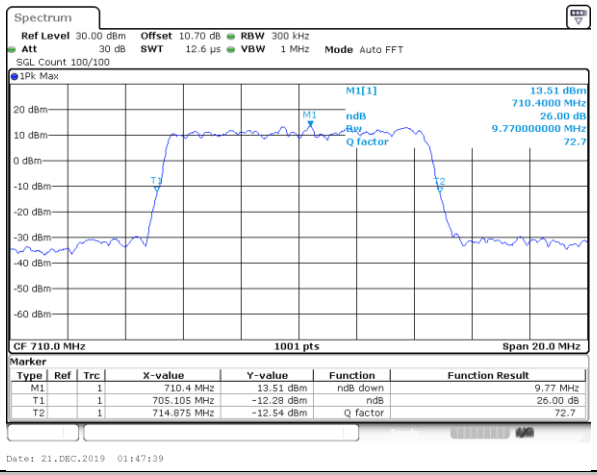
Lowest Channel / 10MHz / 64QAM



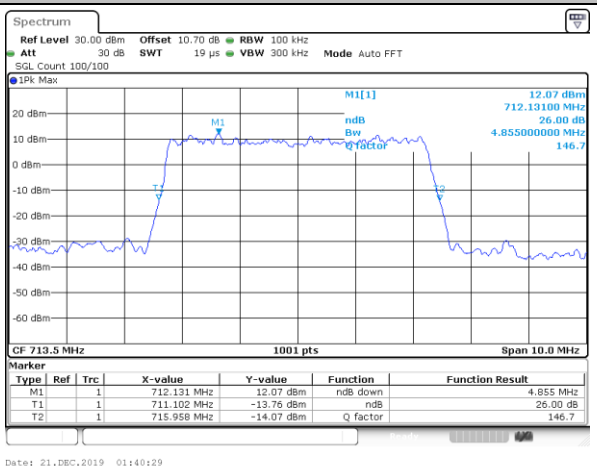
Middle Channel / 5MHz / 64QAM



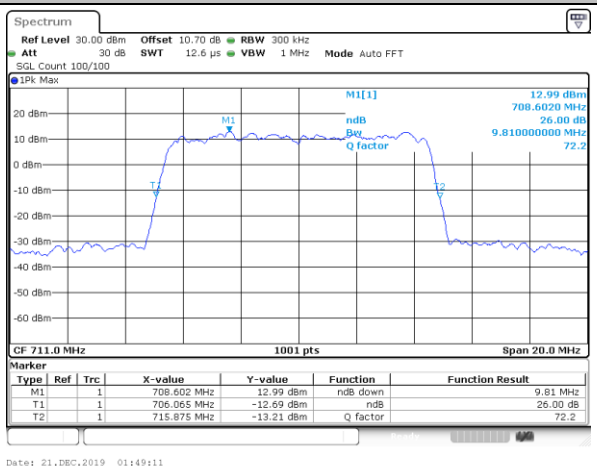
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

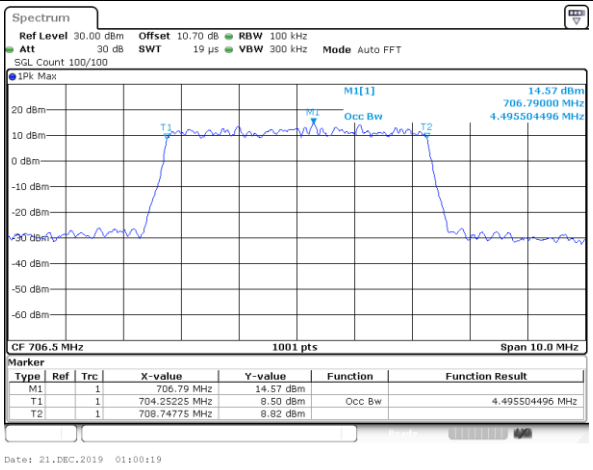


Occupied Bandwidth

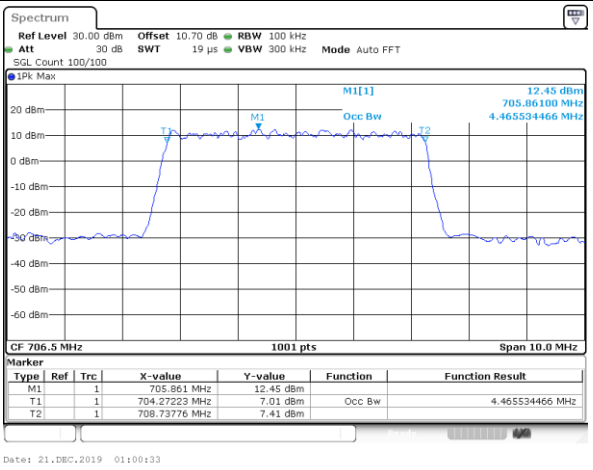
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.47	8.99	9.01	-	-	-	-
Middle CH	-	-	-	-	4.51	4.49	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.47	9.05	8.99	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.03	-	-	-	-	-
Middle CH	-	-	-	-	4.49	-	8.91	-	-	-	-	-
Highest CH	-	-	-	-	4.48	-	9.03	-	-	-	-	-

LTE Band 17

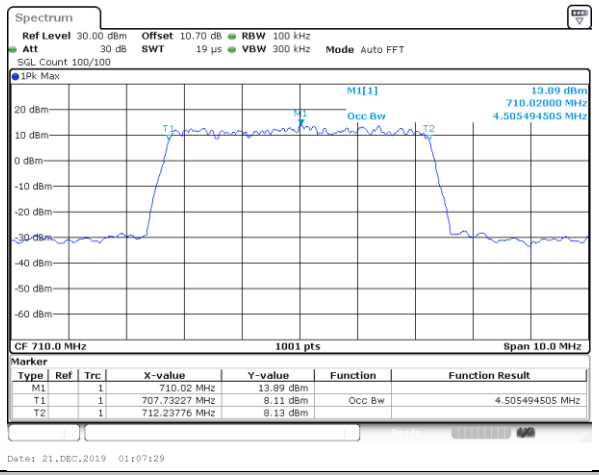
Lowest Channel / 5MHz / QPSK



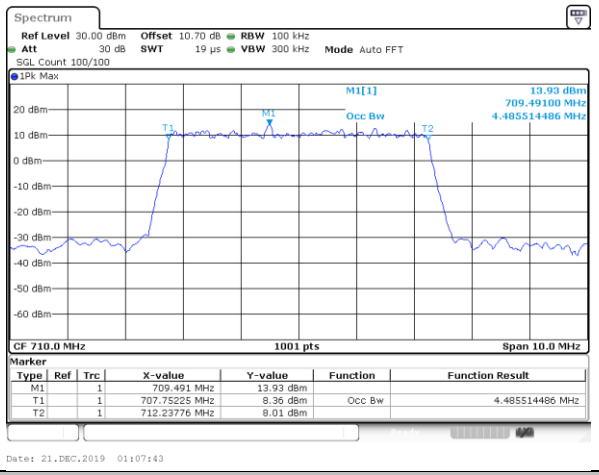
Lowest Channel / 5MHz / 16QAM



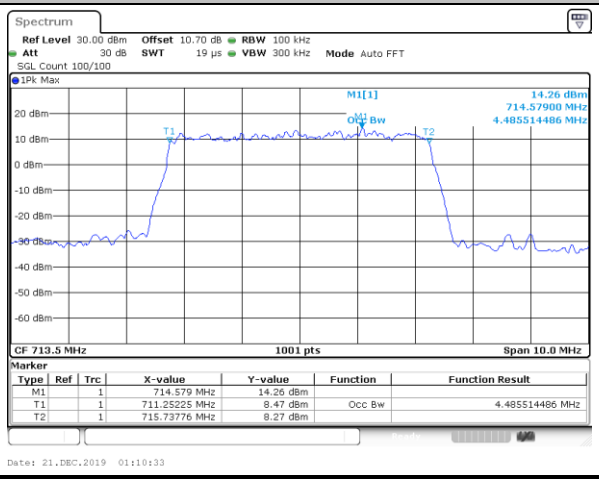
Middle Channel / 5MHz / QPSK



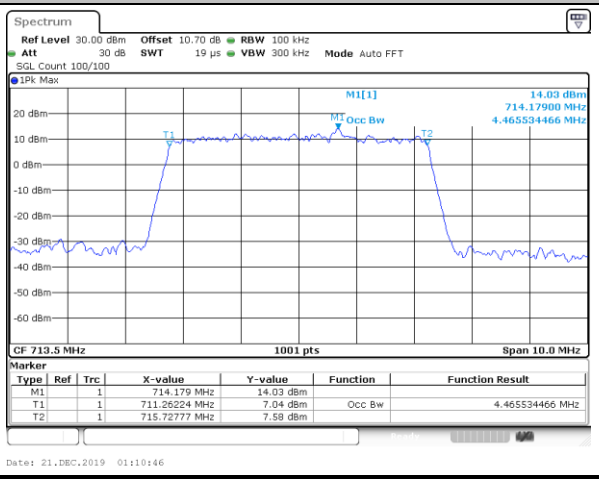
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

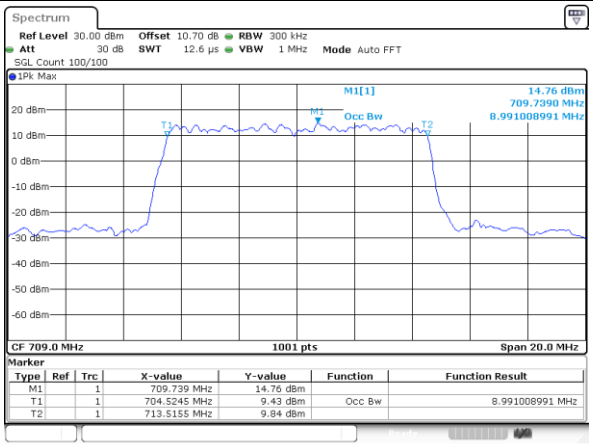


Highest Channel / 5MHz / 16QAM

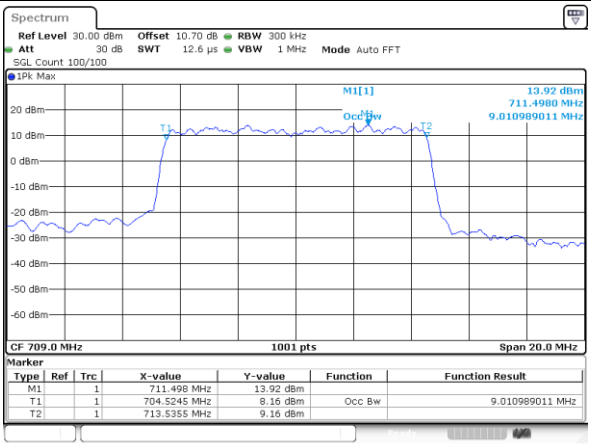


LTE Band 17

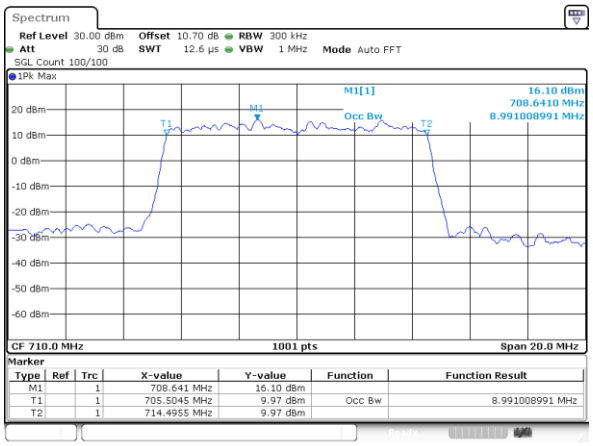
Lowest Channel / 10MHz / QPSK



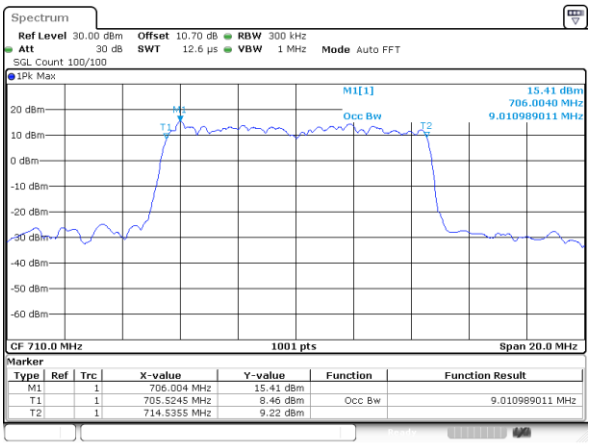
Lowest Channel / 10MHz / 16QAM



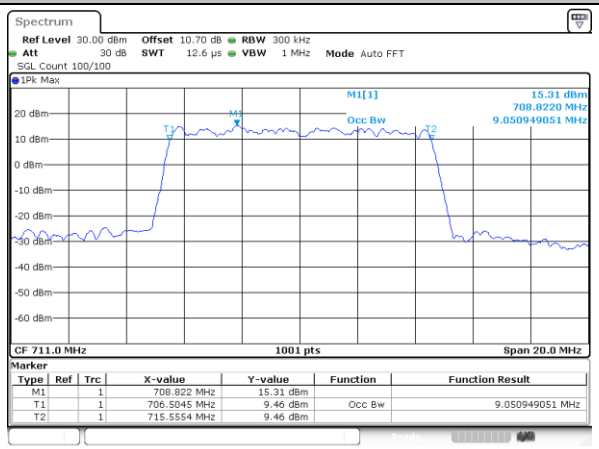
Middle Channel / 10MHz / QPSK



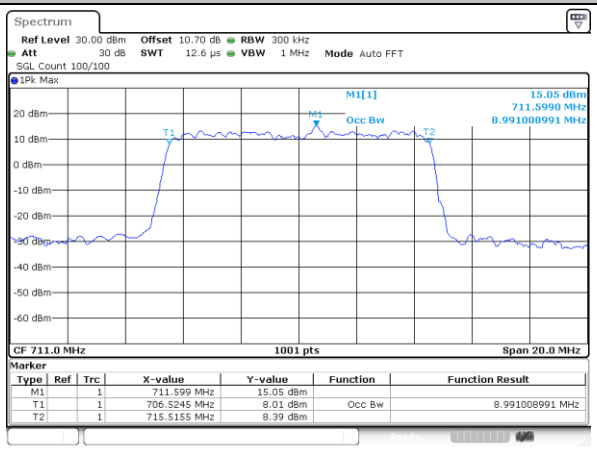
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

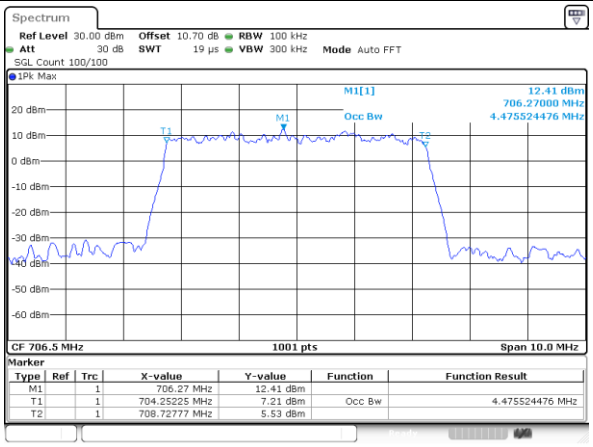


Highest Channel / 10MHz / 16QAM

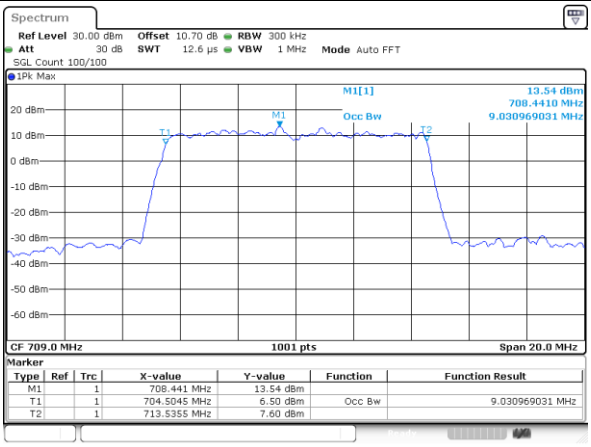


LTE Band 17

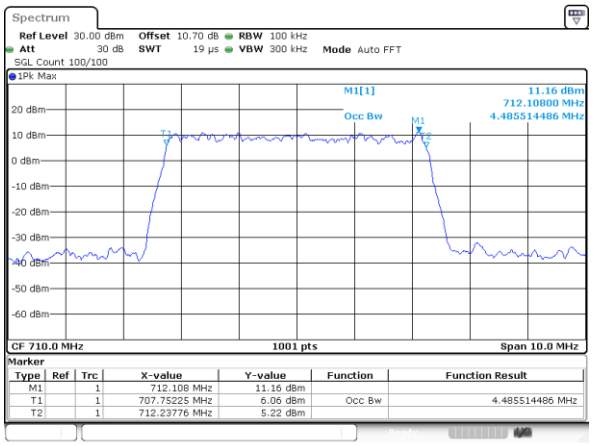
Lowest Channel / 5MHz / 64QAM



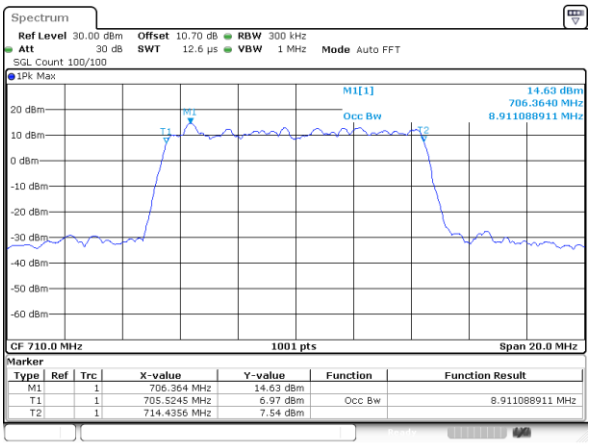
Lowest Channel / 10MHz / 64QAM



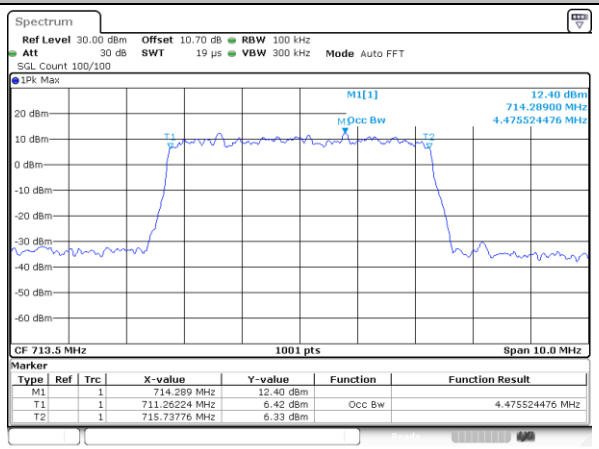
Middle Channel / 5MHz / 64QAM



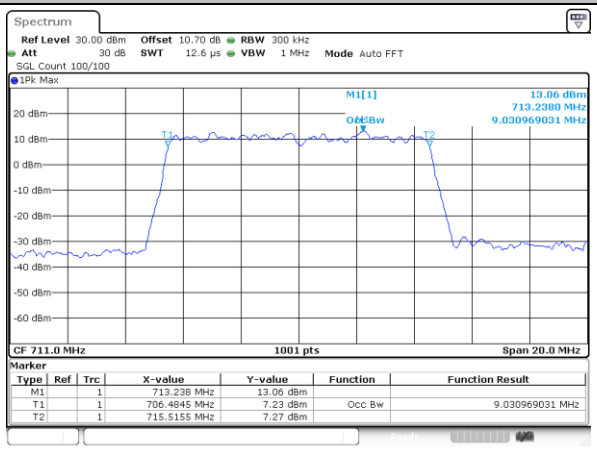
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



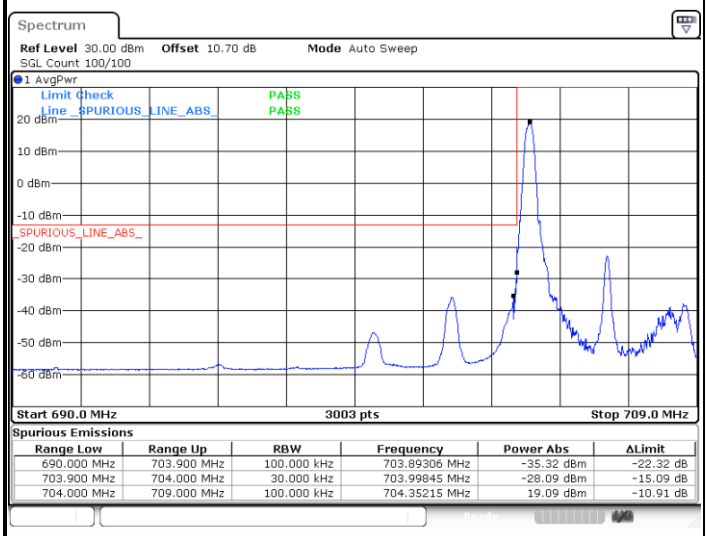
Highest Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB

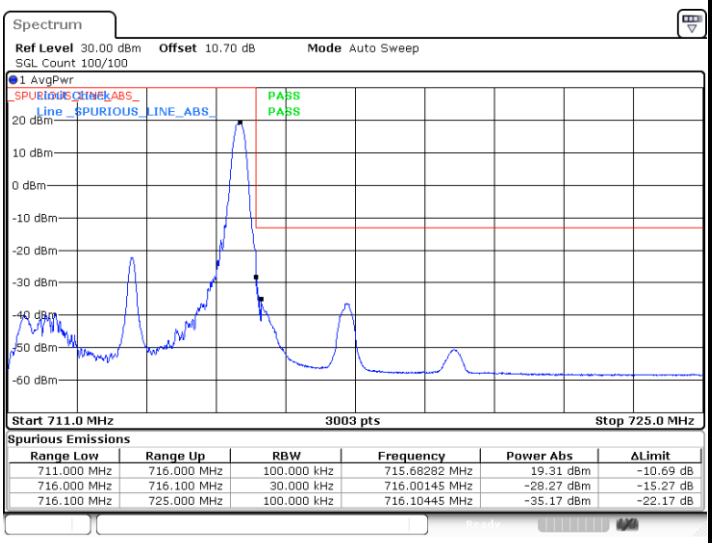


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-35.32 dBm	-22.32 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99845 MHz	-28.09 dBm	-15.09 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.35215 MHz	19.09 dBm	-10.91 dB

Date: 21.DEC.2019 01:02:02

Highest Band Edge / 1 RB

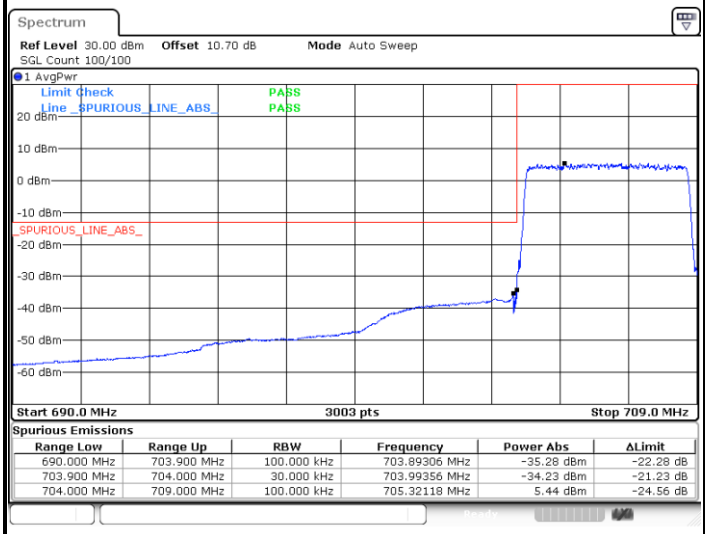


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.68282 MHz	19.31 dBm	-10.69 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-28.27 dBm	-15.27 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.17 dBm	-22.17 dB

Date: 21.DEC.2019 01:12:16

Lowest Band Edge / Full RB

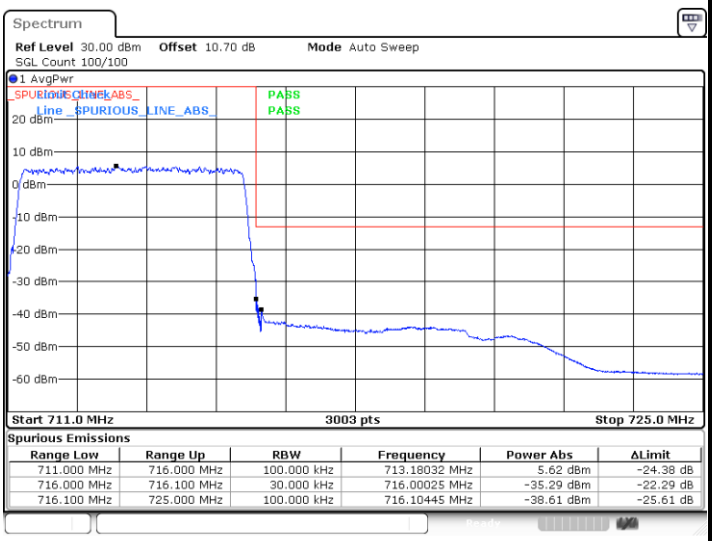


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-35.28 dBm	-22.28 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99356 MHz	-34.23 dBm	-21.23 dB
704.000 MHz	709.000 MHz	100.000 kHz	705.32118 MHz	5.44 dBm	-24.56 dB

Date: 21.DEC.2019 01:04:04

Highest Band Edge / Full RB



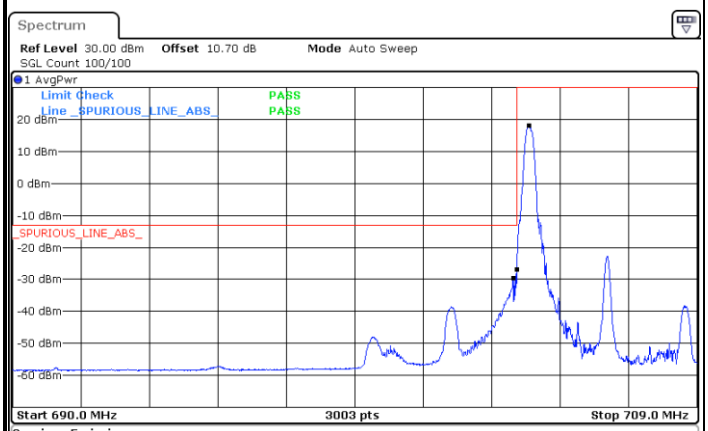
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.18032 MHz	5.62 dBm	-24.38 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00025 MHz	-35.29 dBm	-22.29 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-38.61 dBm	-25.61 dB

Date: 21.DEC.2019 01:14:18

LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

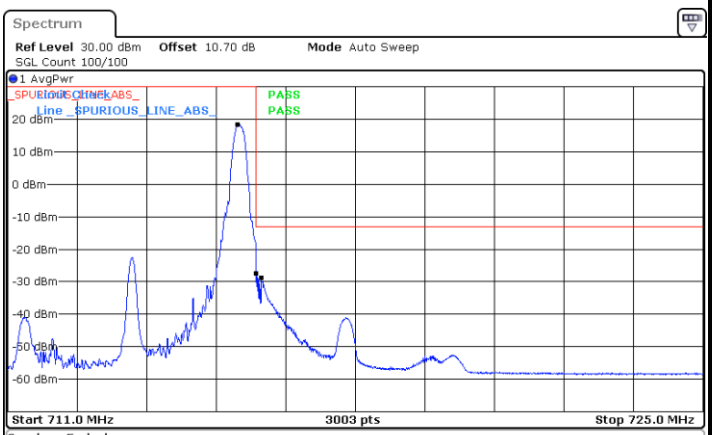


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-29.65 dBm	-16.65 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99286 MHz	-26.82 dBm	-13.82 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.34216 MHz	18.16 dBm	-11.84 dB

Date: 21.DEC.2019 01:03:03

Highest Band Edge / 1 RB

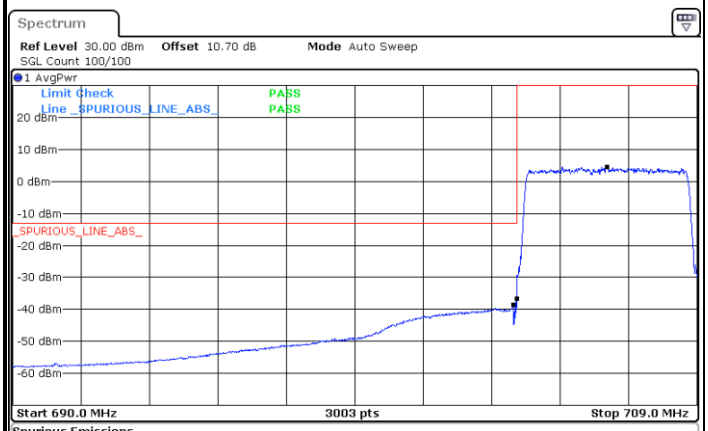


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.63287 MHz	18.31 dBm	-11.69 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-27.40 dBm	-14.40 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.88 dBm	-15.88 dB

Date: 21.DEC.2019 01:13:17

Lowest Band Edge / Full RB

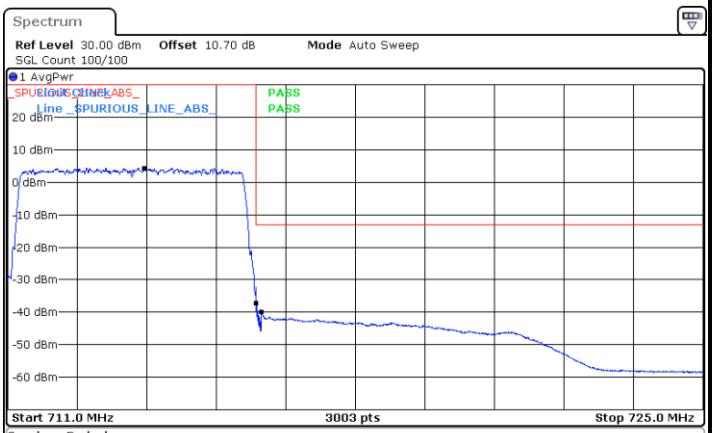


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-38.46 dBm	-25.46 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99965 MHz	-36.56 dBm	-23.56 dB
704.000 MHz	709.000 MHz	100.000 kHz	706.50000 MHz	4.57 dBm	-25.43 dB

Date: 21.DEC.2019 01:05:06

Highest Band Edge / Full RB



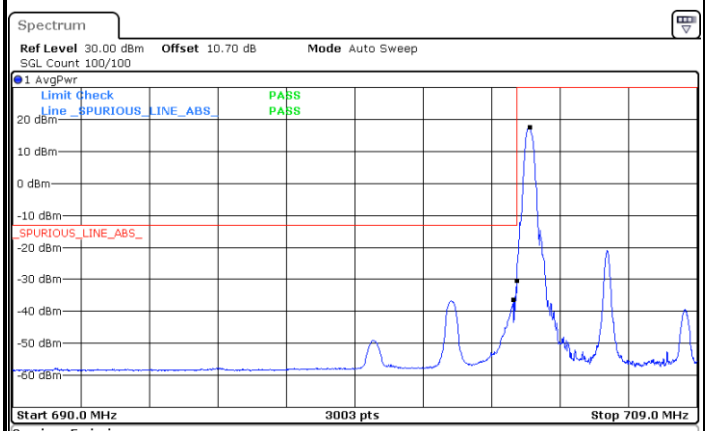
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.74975 MHz	4.37 dBm	-25.63 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00025 MHz	-37.12 dBm	-24.12 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-39.84 dBm	-26.84 dB

Date: 21.DEC.2019 01:15:20

LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

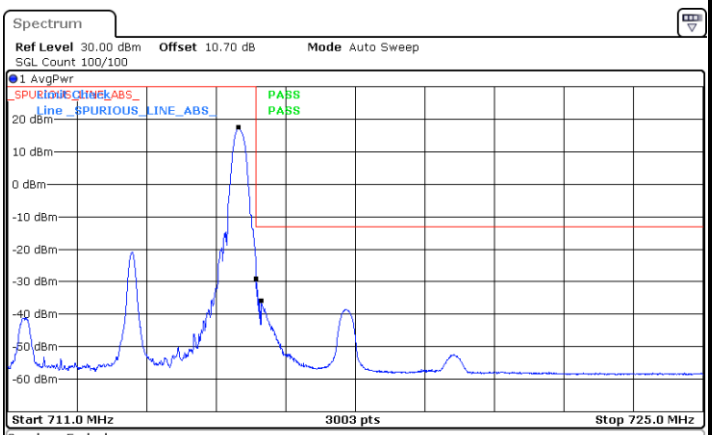


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-36.38 dBm	-23.38 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99905 MHz	-30.42 dBm	-17.42 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.34715 MHz	17.42 dBm	-12.58 dB

Date: 21.DEC.2019 01:36:24

Highest Band Edge / 1 RB

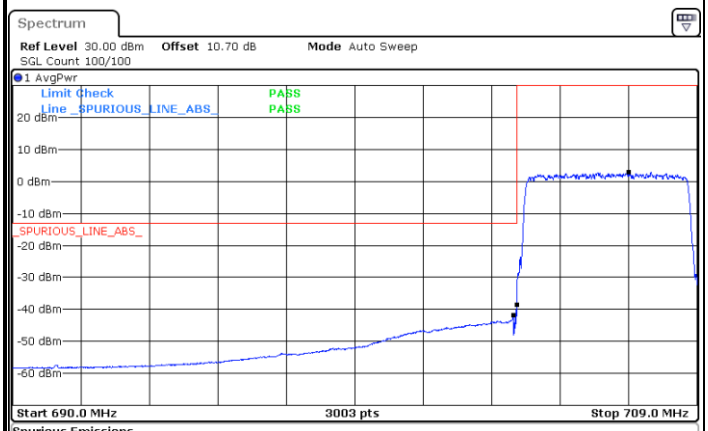


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64286 MHz	17.47 dBm	-12.53 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-29.08 dBm	-16.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.92 dBm	-22.92 dB

Date: 21.DEC.2019 01:41:31

Lowest Band Edge / Full RB

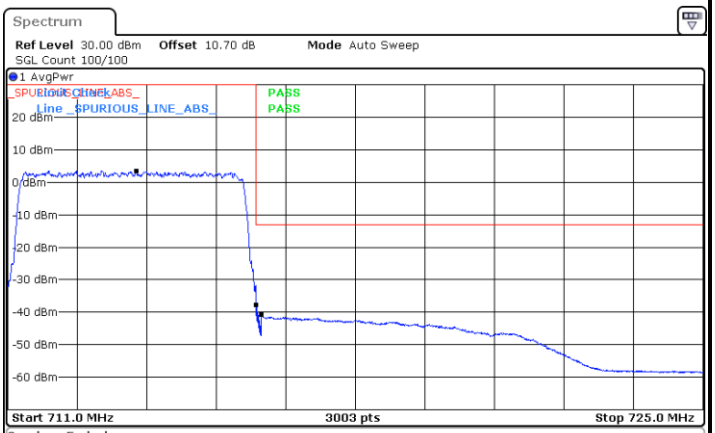


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-41.80 dBm	-28.80 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99805 MHz	-38.46 dBm	-25.46 dB
704.000 MHz	709.000 MHz	100.000 kHz	707.10440 MHz	2.97 dBm	-27.03 dB

Date: 21.DEC.2019 01:37:25

Highest Band Edge / Full RB



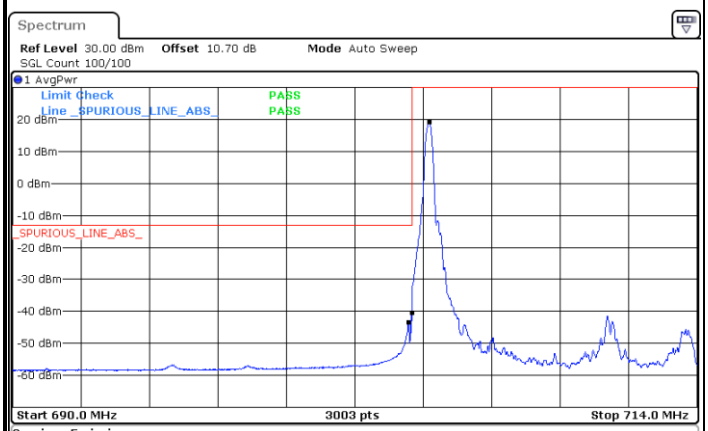
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.59491 MHz	3.56 dBm	-26.44 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-37.81 dBm	-24.81 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-40.84 dBm	-27.84 dB

Date: 21.DEC.2019 01:42:32

LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB

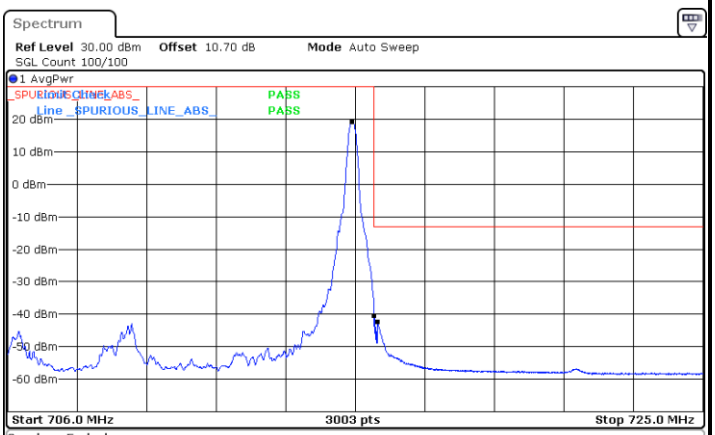


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-43.40 dBm	-30.40 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99625 MHz	-40.37 dBm	-27.37 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.60440 MHz	19.03 dBm	-10.97 dB

Date: 21.DEC.2019 01:19:27

Highest Band Edge / 1 RB

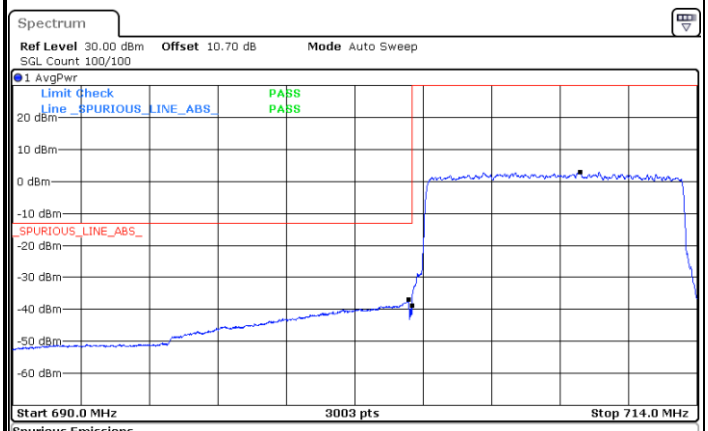


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	19.27 dBm	-10.73 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-40.35 dBm	-27.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-42.48 dBm	-29.48 dB

Date: 21.DEC.2019 01:29:41

Lowest Band Edge / Full RB

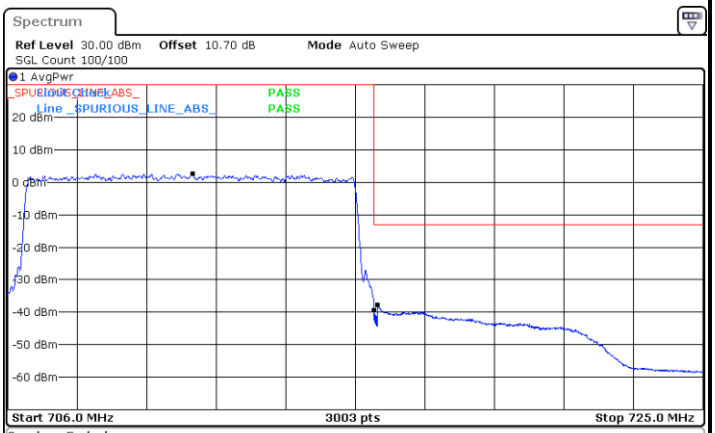


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-36.90 dBm	-23.90 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99865 MHz	-38.74 dBm	-25.74 dB
704.000 MHz	714.000 MHz	100.000 kHz	709.89910 MHz	2.86 dBm	-27.14 dB

Date: 21.DEC.2019 01:21:30

Highest Band Edge / Full RB



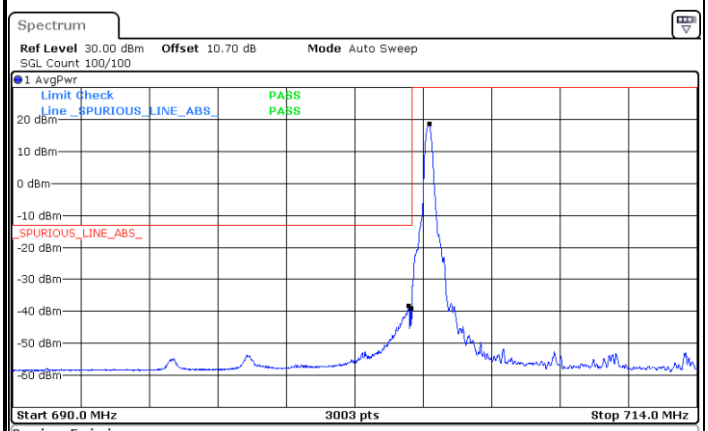
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.04995 MHz	2.55 dBm	-27.45 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00375 MHz	-39.27 dBm	-26.27 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.85 dBm	-24.85 dB

Date: 21.DEC.2019 01:31:43

LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

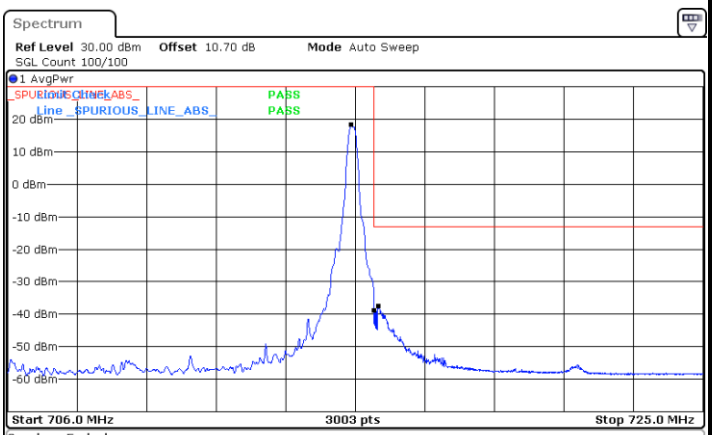


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-38.20 dBm	-25.20 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.96379 MHz	-38.98 dBm	-25.98 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.60440 MHz	18.73 dBm	-11.27 dB

Date: 21.DEC.2019 01:20:28

Highest Band Edge / 1 RB

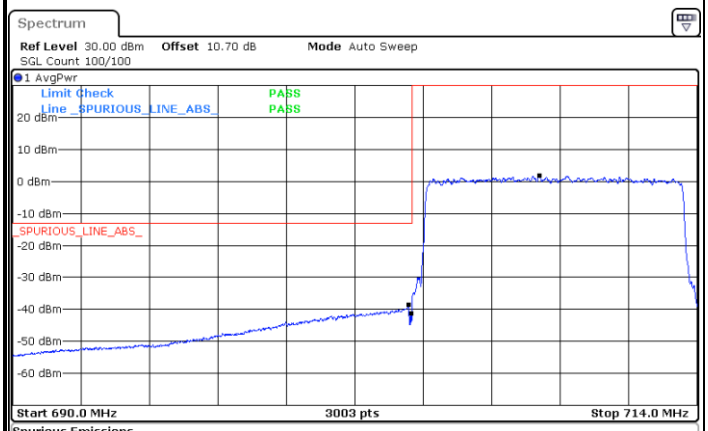


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	18.45 dBm	-11.55 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00554 MHz	-38.86 dBm	-25.86 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-37.36 dBm	-24.36 dB

Date: 21.DEC.2019 01:30:42

Lowest Band Edge / Full RB

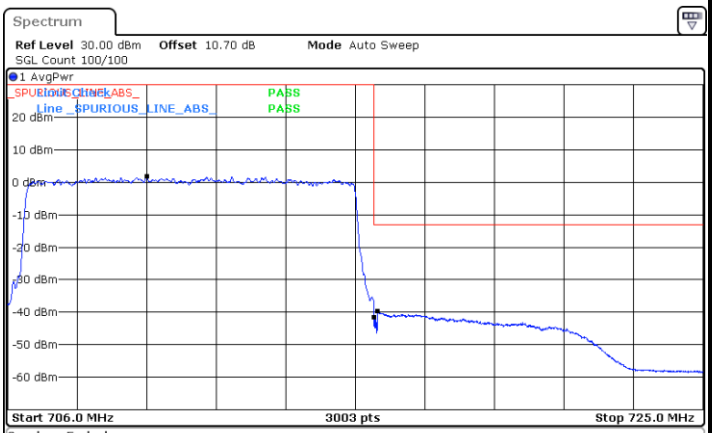


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-38.51 dBm	-25.51 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98437 MHz	-41.16 dBm	-28.16 dB
704.000 MHz	714.000 MHz	100.000 kHz	708.46054 MHz	1.79 dBm	-28.21 dB

Date: 21.DEC.2019 01:22:31

Highest Band Edge / Full RB



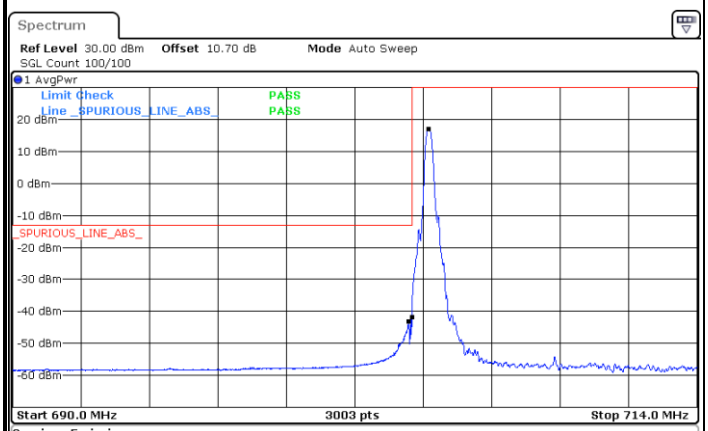
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.79121 MHz	1.72 dBm	-28.28 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01244 MHz	-41.63 dBm	-28.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-39.57 dBm	-26.57 dB

Date: 21.DEC.2019 01:32:44

LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

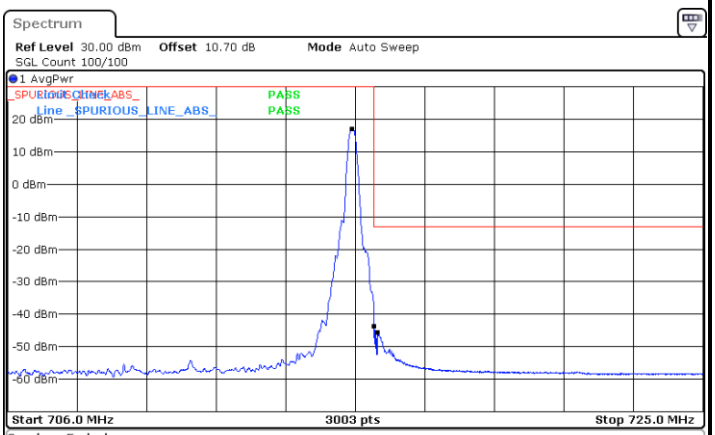


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-43.15 dBm	-30.15 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99825 MHz	-41.76 dBm	-28.76 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.57443 MHz	16.95 dBm	-13.05 dB

Date: 21.DEC.2019 01:45:06

Highest Band Edge / 1 RB

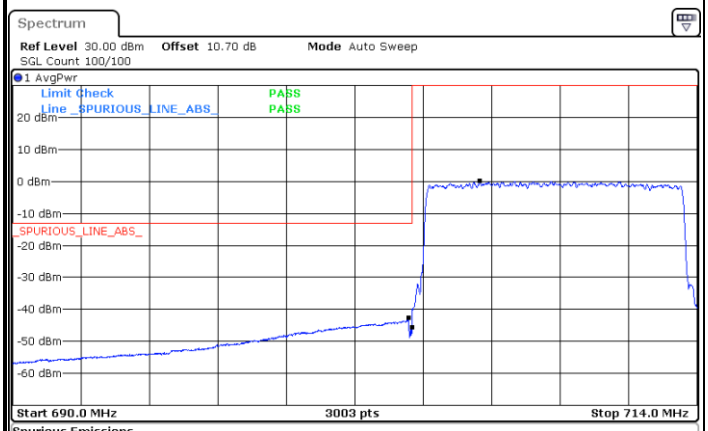


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	17.13 dBm	-12.87 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-43.82 dBm	-30.82 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-45.59 dBm	-32.59 dB

Date: 21.DEC.2019 01:50:12

Lowest Band Edge / Full RB

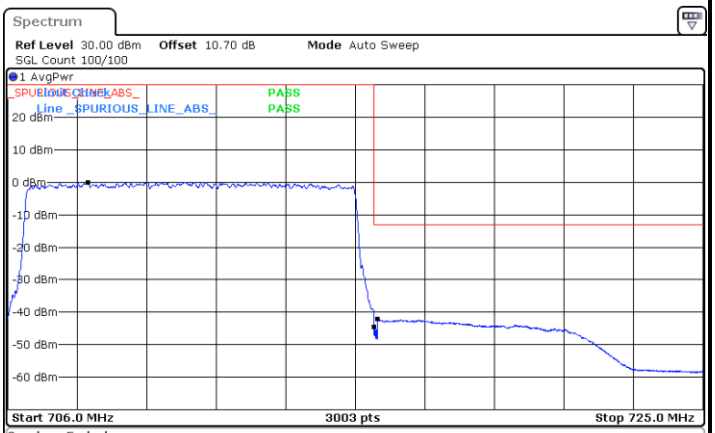


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-42.69 dBm	-29.69 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99436 MHz	-45.48 dBm	-32.48 dB
704.000 MHz	714.000 MHz	100.000 kHz	706.37263 MHz	0.06 dBm	-29.94 dB

Date: 21.DEC.2019 01:46:07

Highest Band Edge / Full RB



Spurious Emissions

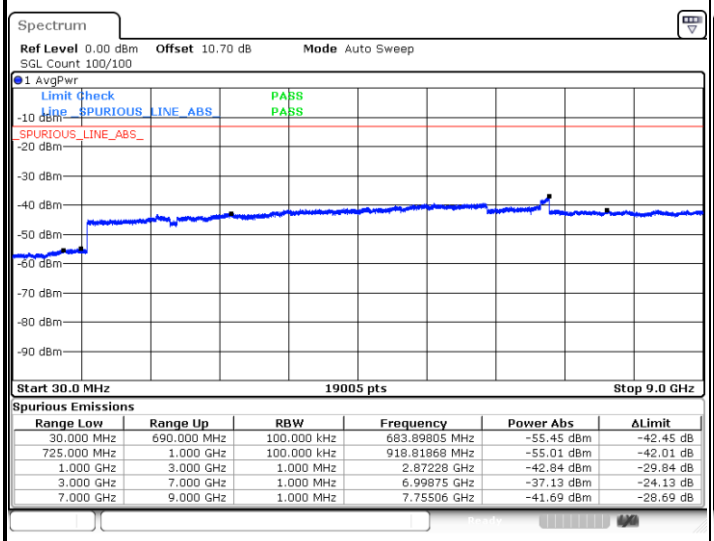
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.18282 MHz	0.05 dBm	-29.95 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-44.65 dBm	-31.65 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-42.02 dBm	-29.02 dB

Date: 21.DEC.2019 01:51:13

Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

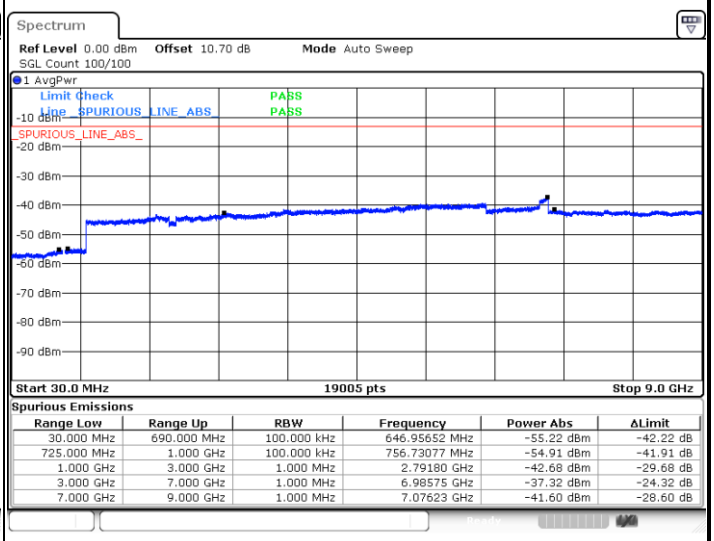


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-55.45 dBm	-42.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	918.81868 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.87228 GHz	-42.84 dBm	-29.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-37.13 dBm	-24.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75506 GHz	-41.69 dBm	-28.69 dB

Date: 21.DEC.2019 01:06:10

Lowest Channel / 16QAM

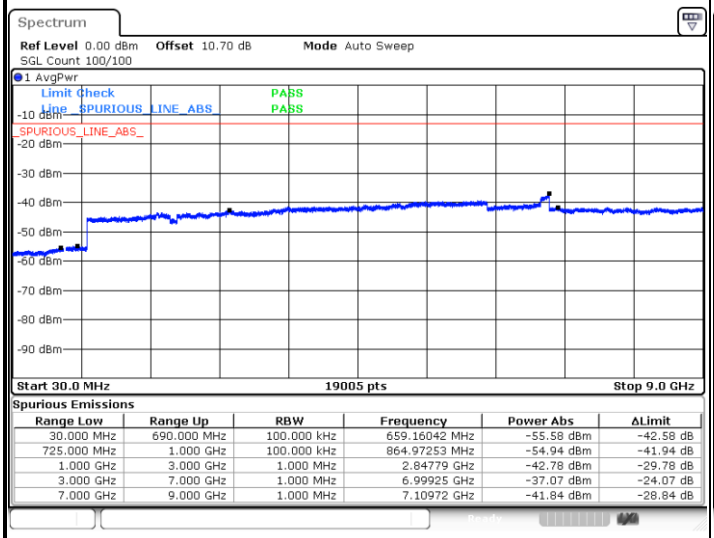


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	646.95652 MHz	-55.22 dBm	-42.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	756.73077 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.79180 GHz	-42.68 dBm	-29.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-37.32 dBm	-24.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07623 GHz	-41.60 dBm	-28.60 dB

Date: 21.DEC.2019 01:07:15

Middle Channel / QPSK

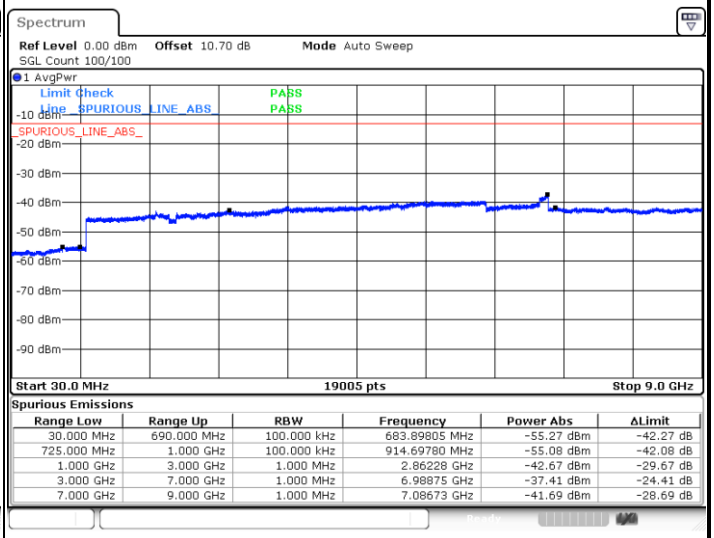


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.16042 MHz	-55.58 dBm	-42.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	864.97253 MHz	-54.94 dBm	-41.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84779 GHz	-42.78 dBm	-29.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-37.07 dBm	-24.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10972 GHz	-41.84 dBm	-28.84 dB

Date: 21.DEC.2019 01:09:14

Middle Channel / 16QAM



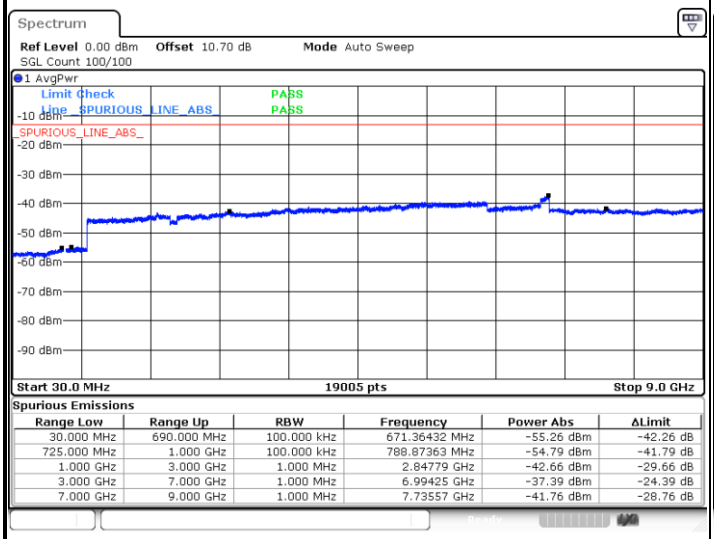
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-55.27 dBm	-42.27 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.69780 MHz	-55.08 dBm	-42.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86228 GHz	-42.67 dBm	-29.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-37.41 dBm	-24.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08673 GHz	-41.69 dBm	-28.69 dB

Date: 21.DEC.2019 01:10:18

LTE Band 17 / 5MHz

Highest Channel / QPSK

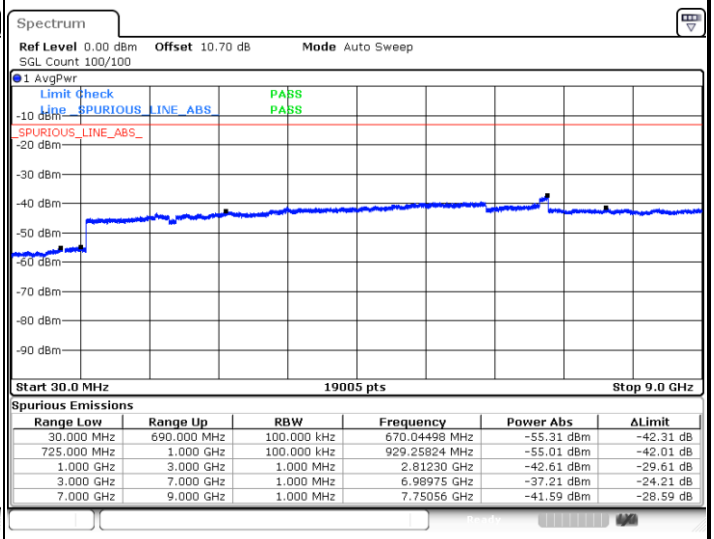


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.36432 MHz	-55.26 dBm	-42.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	788.87363 MHz	-54.79 dBm	-41.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84779 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-37.39 dBm	-24.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.73557 GHz	-41.76 dBm	-28.76 dB

Date: 21.DEC.2019 01:16:24

Highest Channel / 16QAM



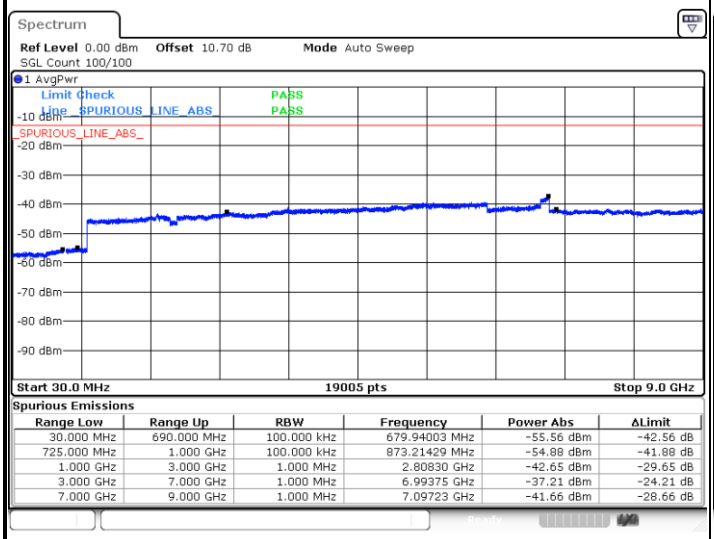
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.25824 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81230 GHz	-42.61 dBm	-29.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75056 GHz	-41.59 dBm	-28.59 dB

Date: 21.DEC.2019 01:17:29

LTE Band 17 / 10MHz

Lowest Channel / QPSK

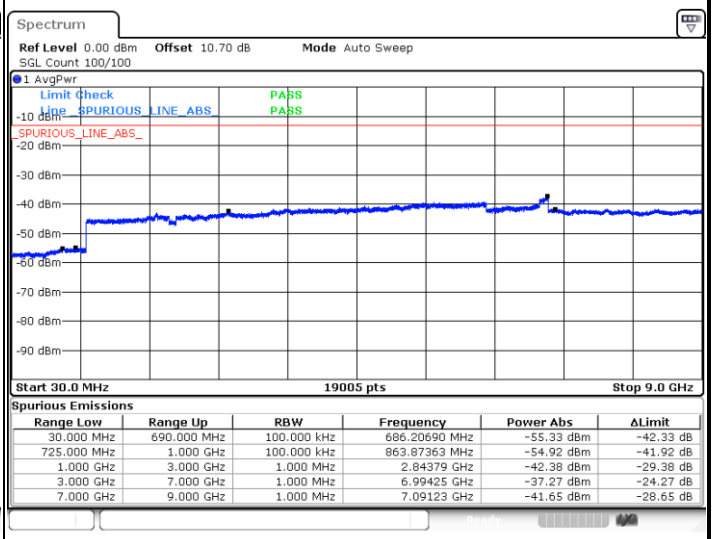


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.94003 MHz	-55.56 dBm	-42.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	873.21429 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80830 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09723 GHz	-41.66 dBm	-28.66 dB

Date: 21.DEC.2019 01:23:35

Lowest Channel / 16QAM



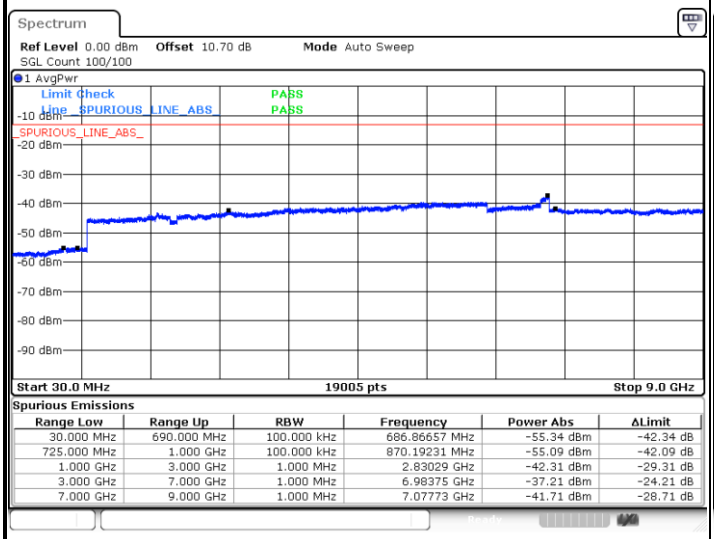
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.20690 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	863.87363 MHz	-54.92 dBm	-41.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84379 GHz	-42.38 dBm	-29.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-37.27 dBm	-24.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09123 GHz	-41.65 dBm	-28.65 dB

Date: 21.DEC.2019 01:24:40

LTE Band 17 / 10MHz

Middle Channel / QPSK

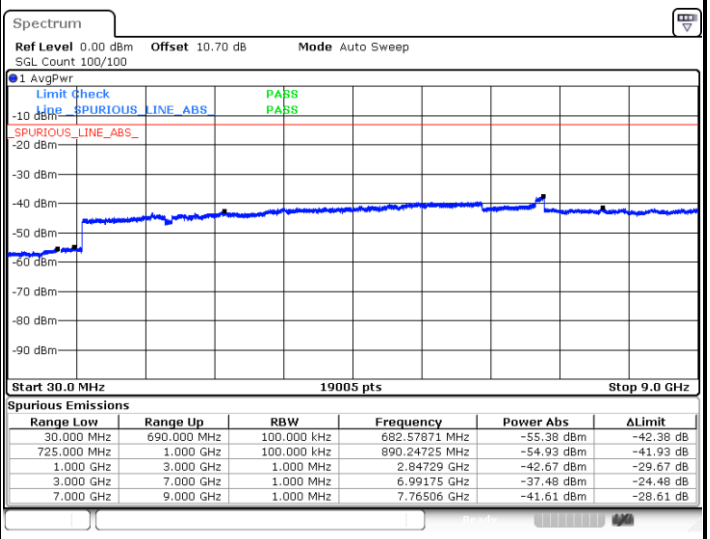


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-55.34 dBm	-42.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	870.19231 MHz	-55.09 dBm	-42.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83029 GHz	-42.31 dBm	-29.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07773 GHz	-41.71 dBm	-28.71 dB

Date: 21.DEC.2019 01:26:39

Middle Channel / 16QAM

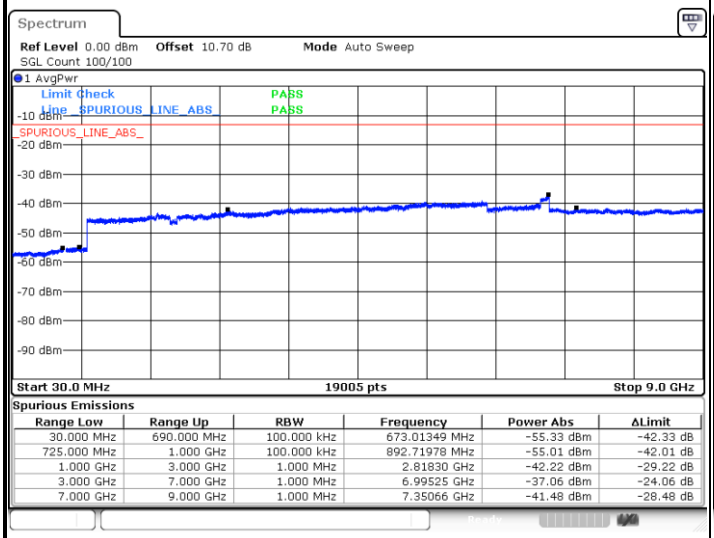


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.57871 MHz	-55.38 dBm	-42.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	890.24725 MHz	-54.93 dBm	-41.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84729 GHz	-42.67 dBm	-29.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.48 dBm	-24.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76506 GHz	-41.61 dBm	-28.61 dB

Date: 21.DEC.2019 01:27:44

Highest Channel / QPSK

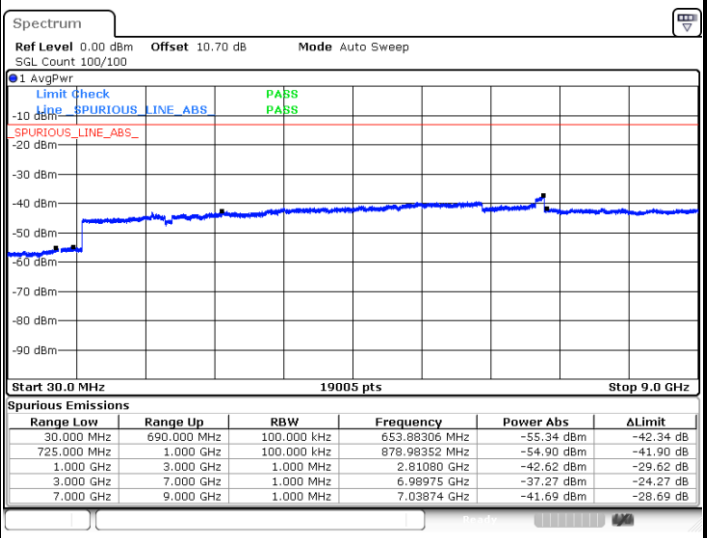


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	673.01349 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	892.71978 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81830 GHz	-42.22 dBm	-29.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-37.06 dBm	-24.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35066 GHz	-41.48 dBm	-28.48 dB

Date: 21.DEC.2019 01:33:49

Highest Channel / 16QAM



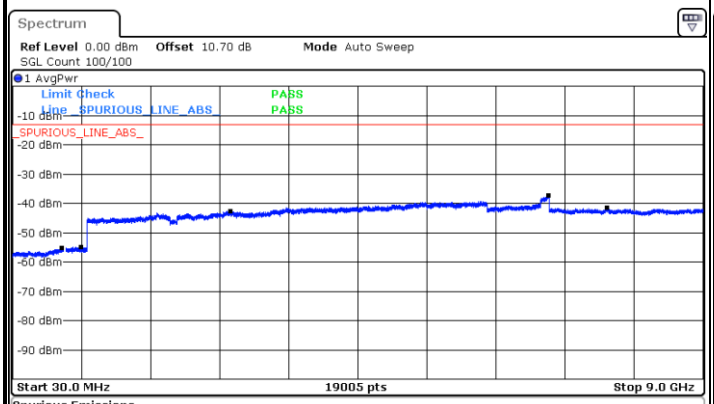
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	653.88306 MHz	-55.34 dBm	-42.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	878.98352 MHz	-54.90 dBm	-41.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81080 GHz	-42.62 dBm	-29.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.27 dBm	-24.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03874 GHz	-41.69 dBm	-28.69 dB

Date: 21.DEC.2019 01:34:54

LTE Band 17 / 5MHz

Lowest Channel / 64QAM

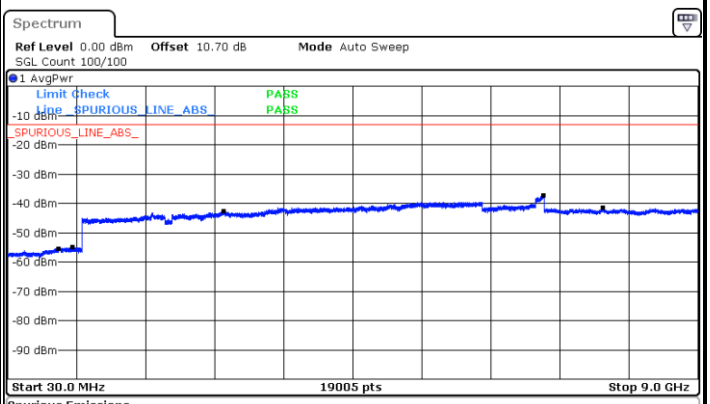


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	665.75712 MHz	-55.36 dBm	-42.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	911.95055 MHz	-54.95 dBm	-41.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85929 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-37.26 dBm	-24.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75156 GHz	-41.64 dBm	-28.64 dB

Date: 21.DEC.2019 01:38:30

Middle Channel / 64QAM

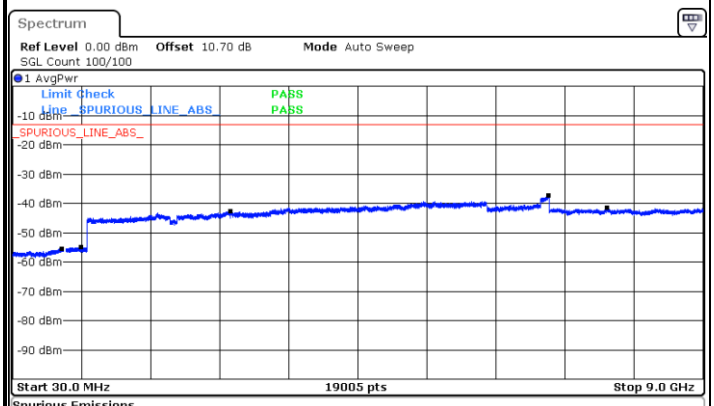


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.20690 MHz	-55.57 dBm	-42.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	870.74176 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83529 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-37.25 dBm	-24.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76106 GHz	-41.60 dBm	-28.60 dB

Date: 21.DEC.2019 01:40:01

Highest Channel / 64QAM



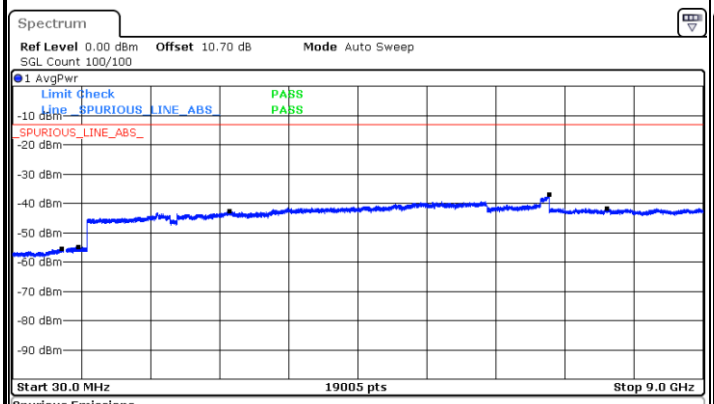
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.45877 MHz	-55.44 dBm	-42.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	911.67582 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85229 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.24 dBm	-24.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74656 GHz	-41.60 dBm	-28.60 dB

Date: 21.DEC.2019 01:43:36

LTE Band 17 / 10MHz

Lowest Channel / 64QAM

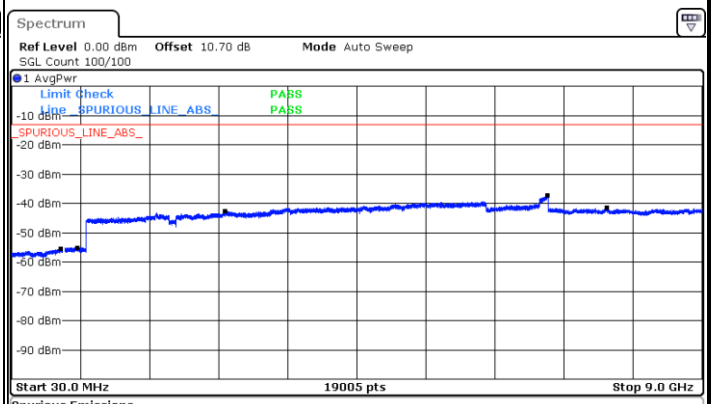


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.74663 MHz	-55.43 dBm	-42.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	877.33516 MHz	-54.85 dBm	-41.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84079 GHz	-42.69 dBm	-29.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.16 dBm	-24.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75106 GHz	-41.75 dBm	-28.75 dB

Date: 21.DEC.2019 01:47:12

Middle Channel / 64QAM

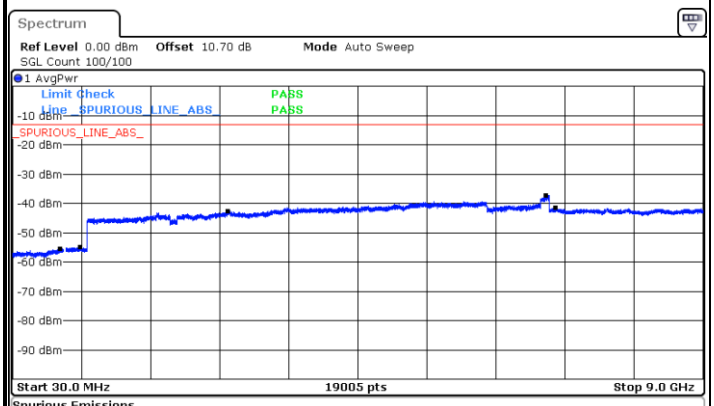


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.72564 MHz	-55.48 dBm	-42.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	876.78571 MHz	-55.10 dBm	-42.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80430 GHz	-42.68 dBm	-29.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-37.34 dBm	-24.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76706 GHz	-41.64 dBm	-28.64 dB

Date: 21.DEC.2019 01:48:43

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	644.97751 MHz	-55.55 dBm	-42.55 dB
725.000 MHz	1.000 GHz	100.000 kHz	903.43407 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82729 GHz	-42.69 dBm	-29.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96075 GHz	-37.41 dBm	-24.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07923 GHz	-41.60 dBm	-28.60 dB

Date: 21.DEC.2019 01:52:18

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0086	PASS
40	Normal Voltage	0.0120	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0076	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0076	
20	Maximum Voltage	0.0096	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0068	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

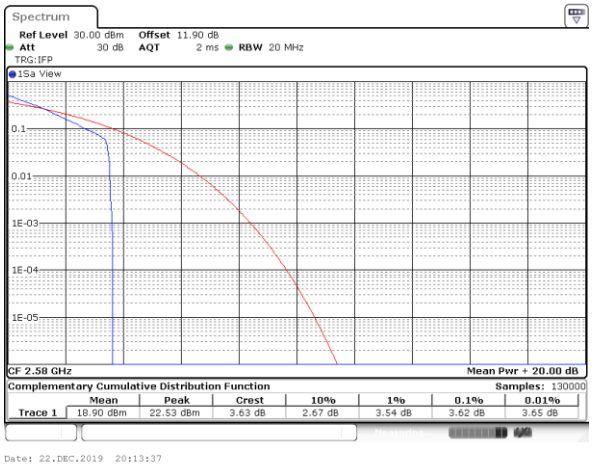
LTE Band 38

Peak-to-Average Ratio

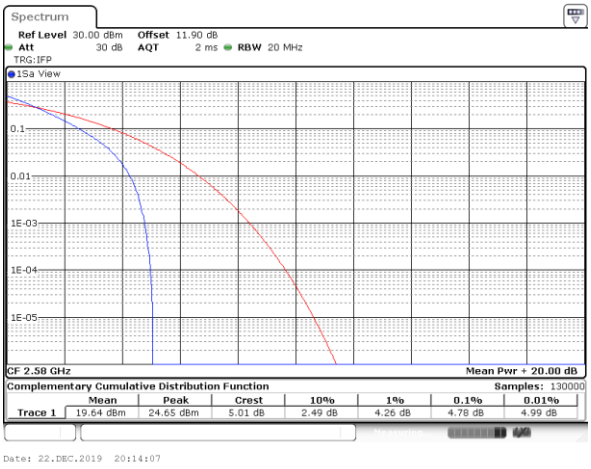
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.78	5.48	5.86	PASS
Middle CH	3.62	4.72	4.99	5.80	
Highest CH	3.57	5.01	4.72	5.71	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.41	-	-	PASS
Middle CH	6.17	6.46	-	-	
Highest CH	6.72	6.49	-	-	

LTE Band 38 / 20MHz / QPSK

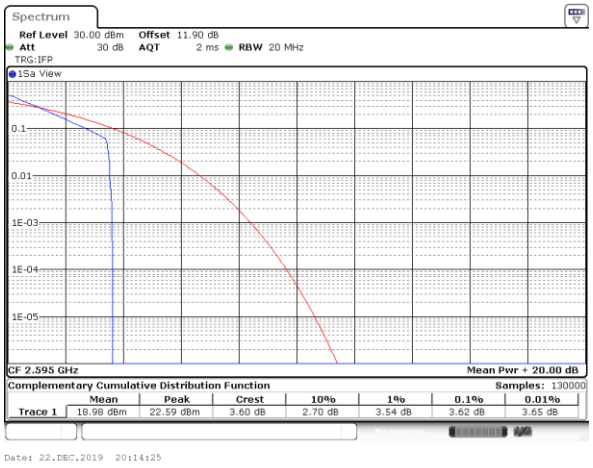
Lowest Channel / 1RB



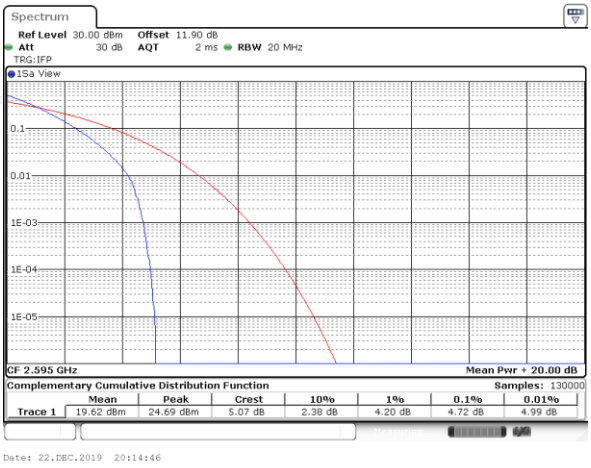
Lowest Channel / Full RB



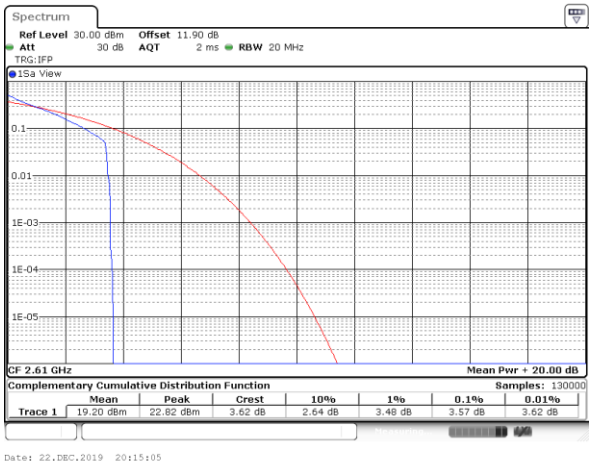
Middle Channel / 1RB



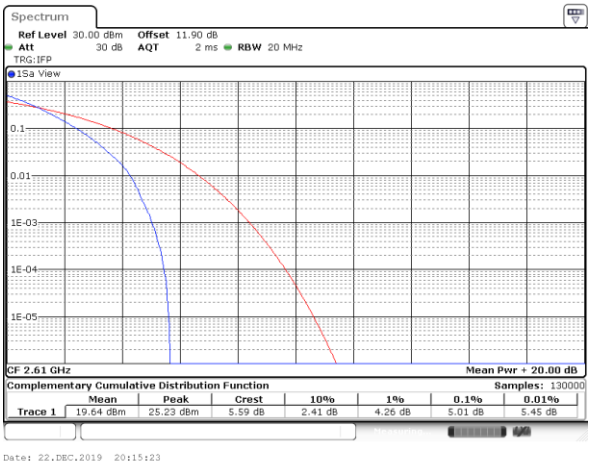
Middle Channel / Full RB



Highest Channel / 1RB

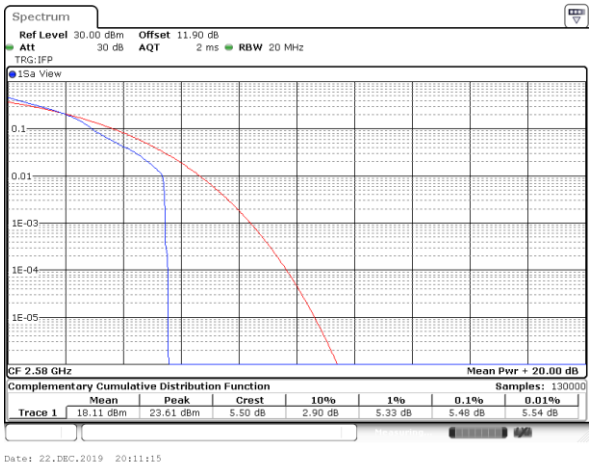


Highest Channel / Full RB

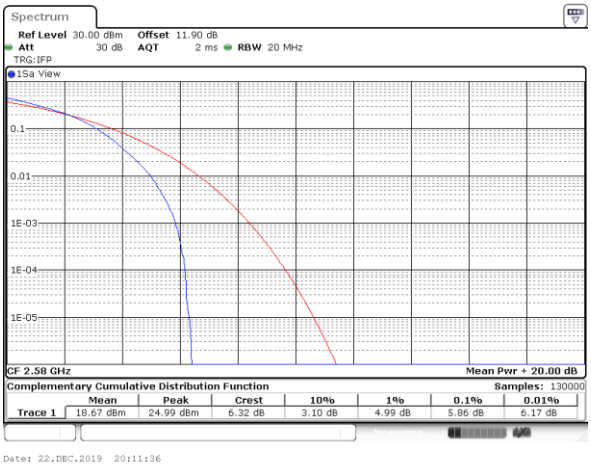


LTE Band 38 / 20MHz / 16QAM

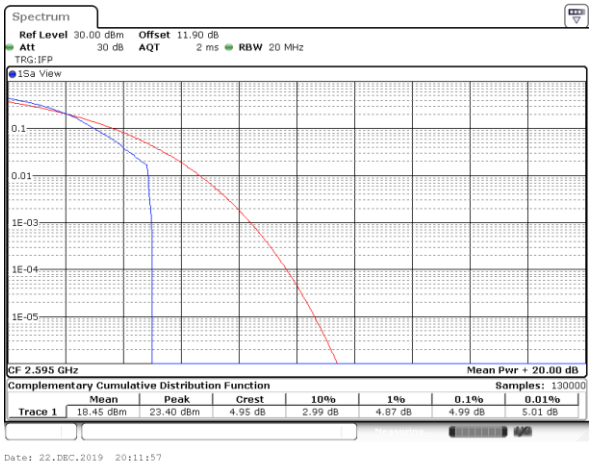
Lowest Channel / 1RB



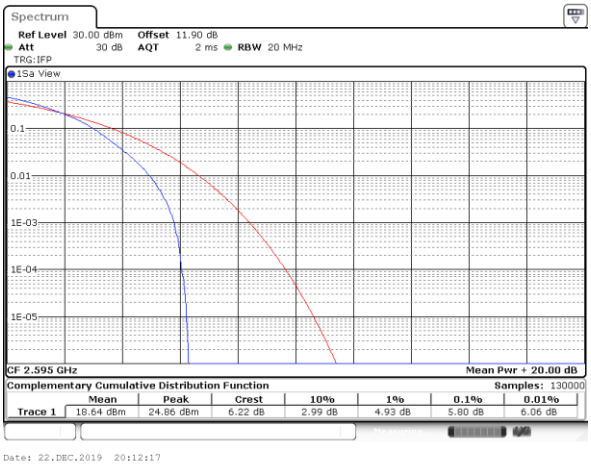
Lowest Channel / Full RB



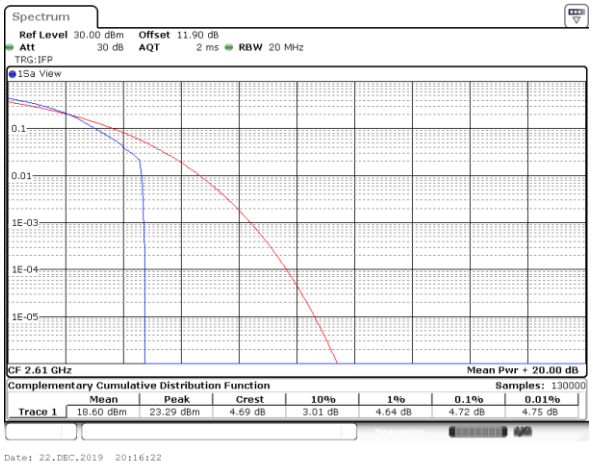
Middle Channel / 1RB



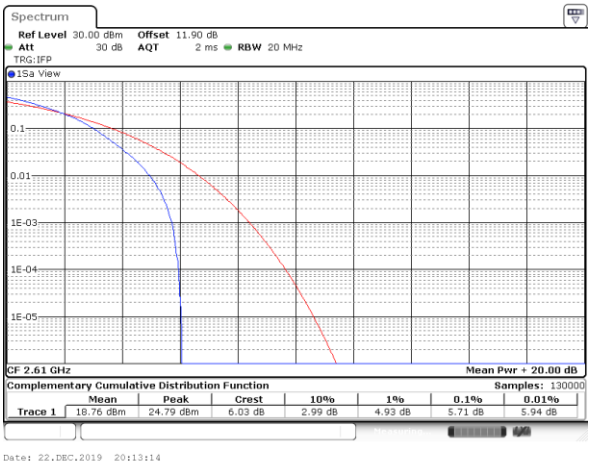
Middle Channel / Full RB



Highest Channel / 1RB

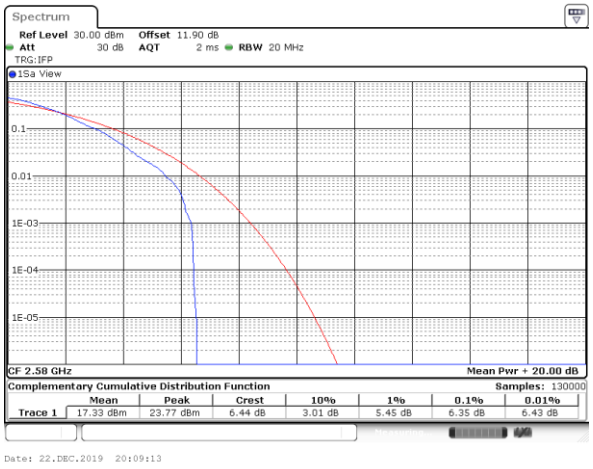


Highest Channel / Full RB

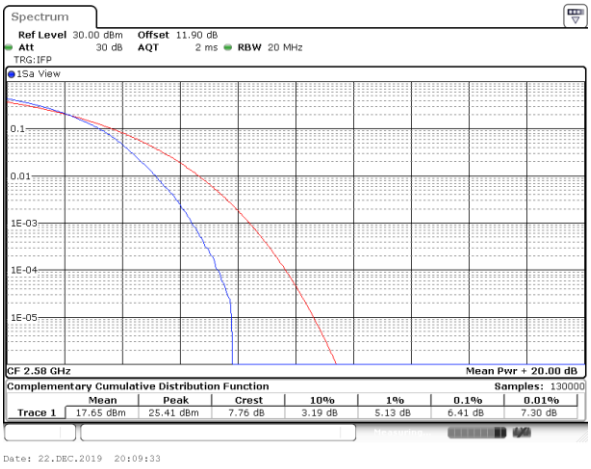


LTE Band 38 / 20MHz / 64QAM

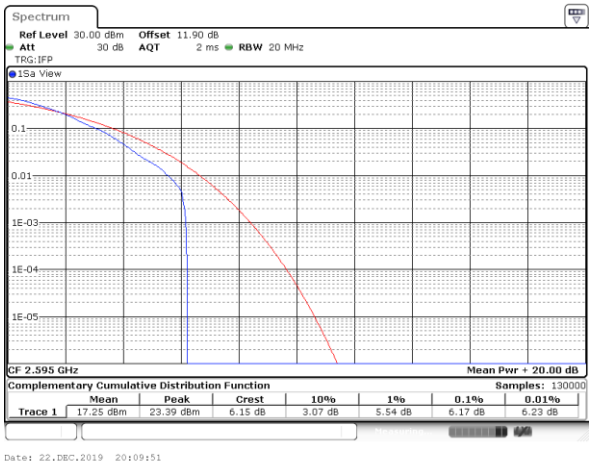
Lowest Channel / 1RB



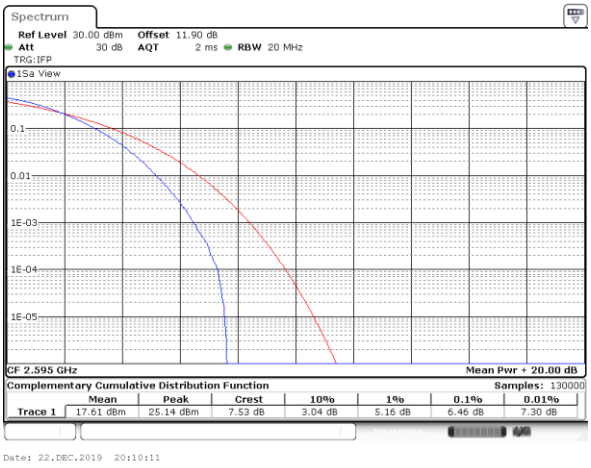
Lowest Channel / Full RB



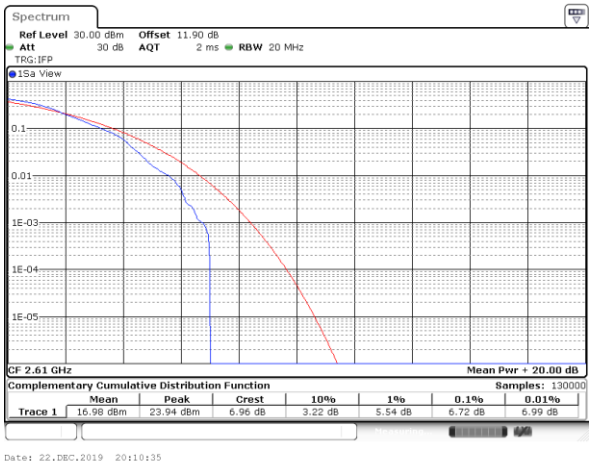
Middle Channel / 1RB



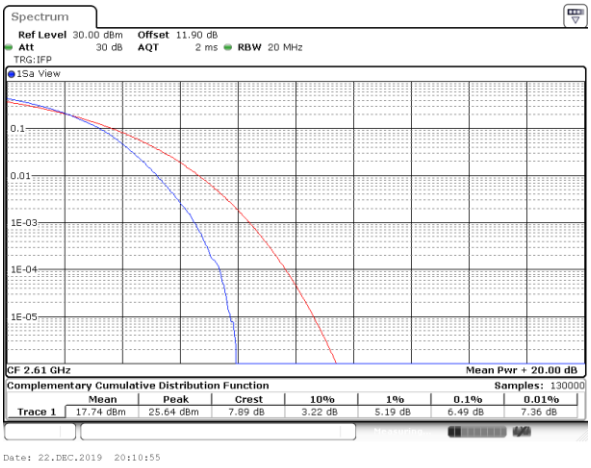
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

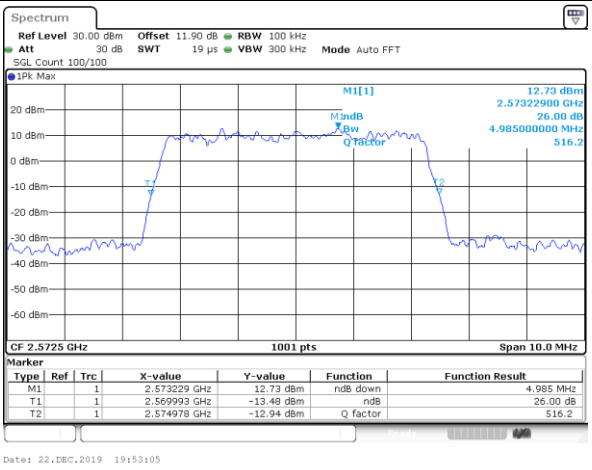


26dB Bandwidth

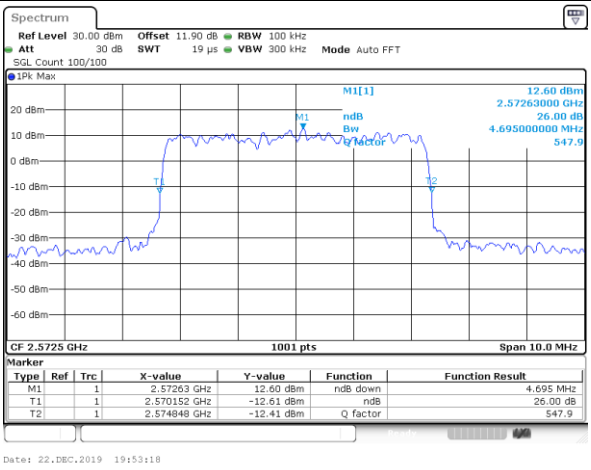
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.99	4.70	9.65	9.69	14.18	14.15	18.98	19.02
Middle CH	-	-	-	-	4.90	4.98	9.63	9.69	14.42	14.45	18.74	18.86
Highest CH	-	-	-	-	4.71	4.79	9.67	9.73	14.48	14.39	18.90	18.66
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.85	-	9.75	-	14.42	-	18.90	-
Middle CH	-	-	-	-	4.76	-	9.73	-	14.21	-	18.98	-
Highest CH	-	-	-	-	4.79	-	9.63	-	14.09	-	18.66	-

LTE Band 38

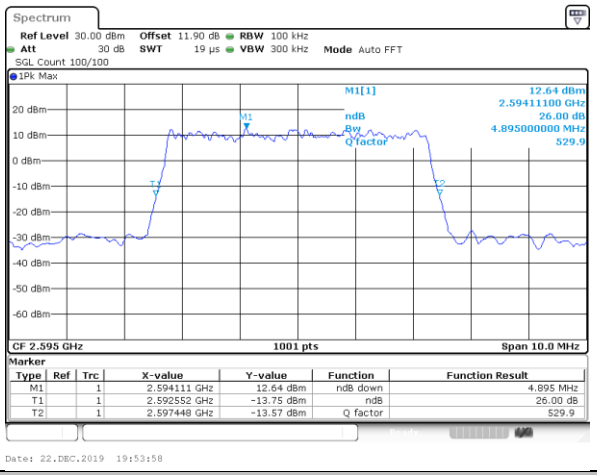
Lowest Channel / 5MHz / QPSK



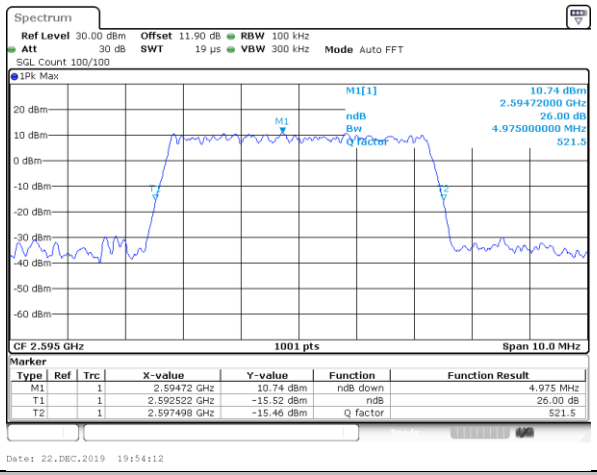
Lowest Channel / 5MHz / 16QAM



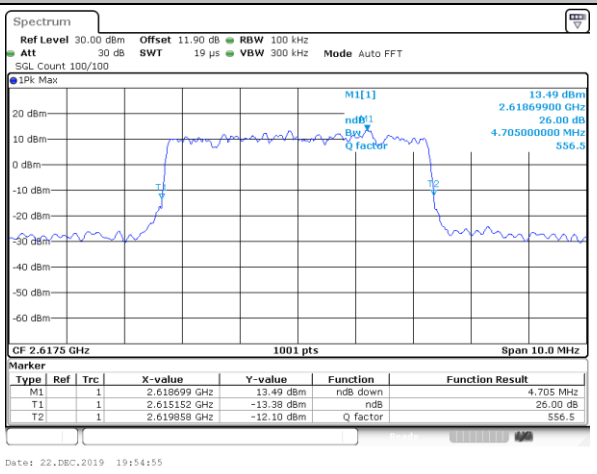
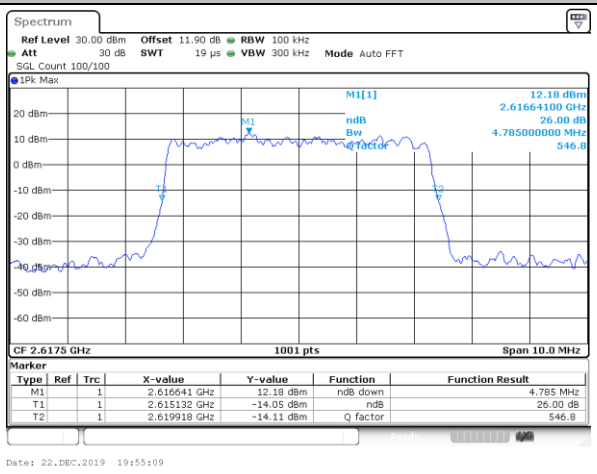
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM