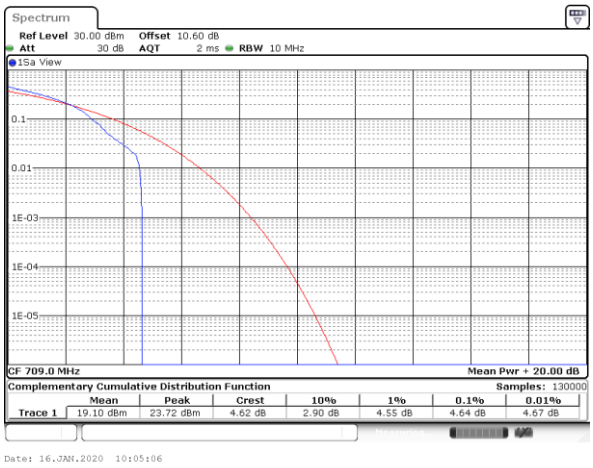
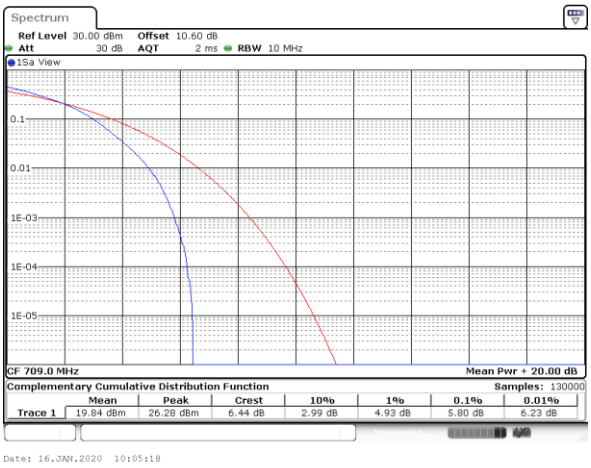
LTE Band 17 / 10MHz / 16QAM

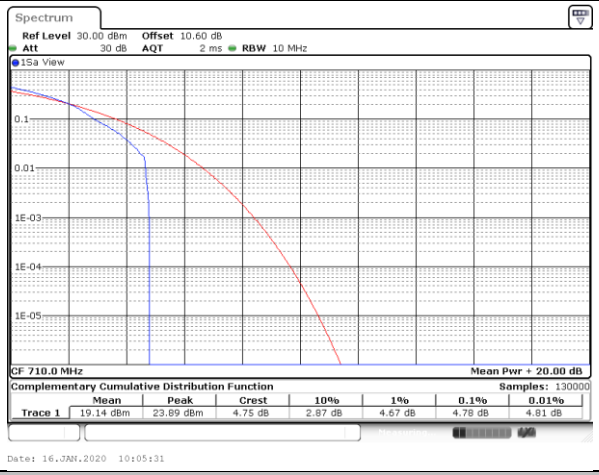
Lowest Channel / 1RB



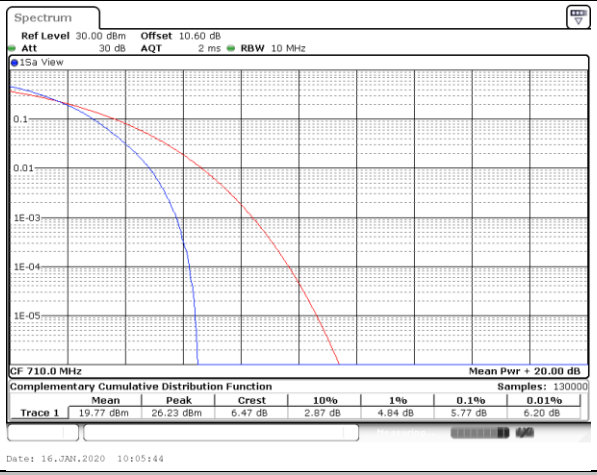
Lowest Channel / Full RB



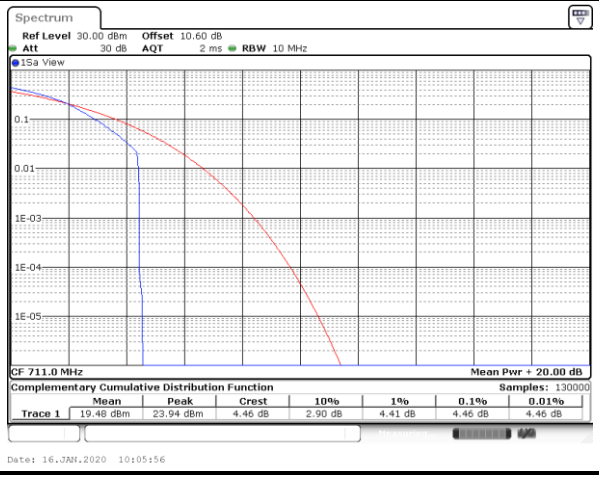
Middle Channel / 1RB



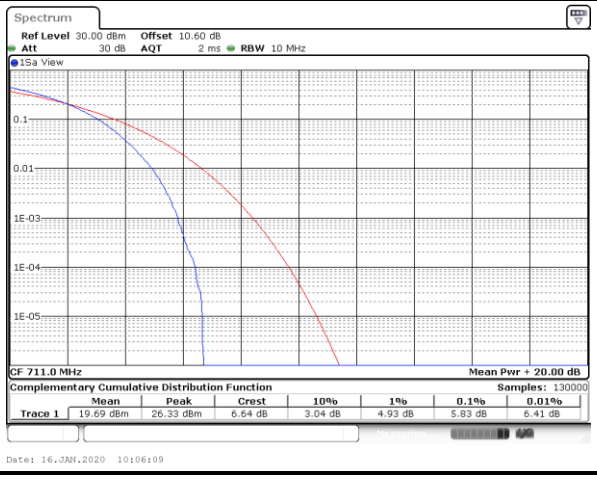
Middle Channel / Full RB



Highest Channel / 1RB

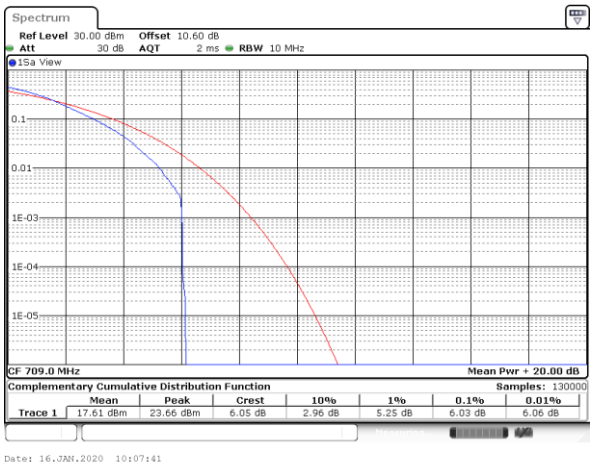


Highest Channel / Full RB

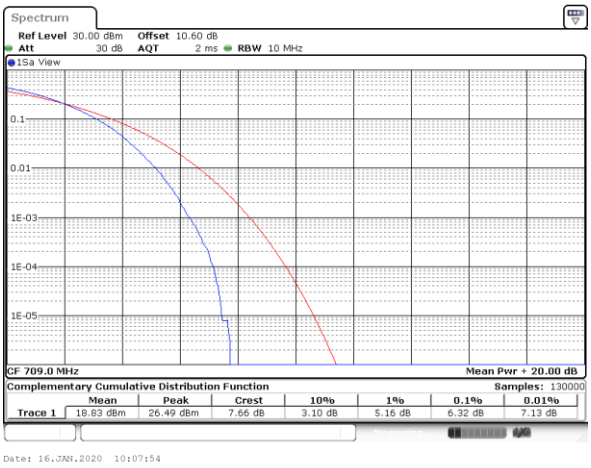


LTE Band 17 / 10MHz / 64QAM

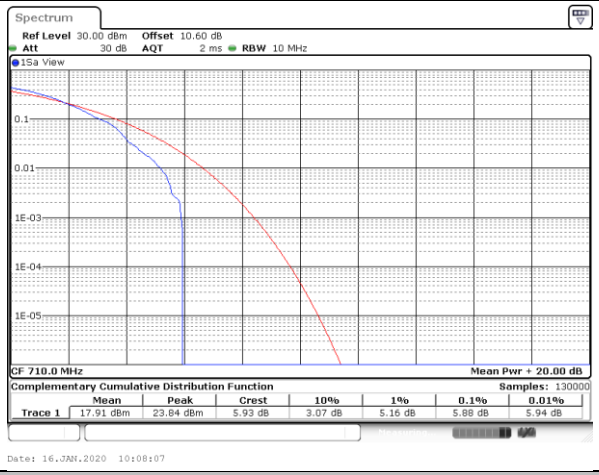
Lowest Channel / 1RB



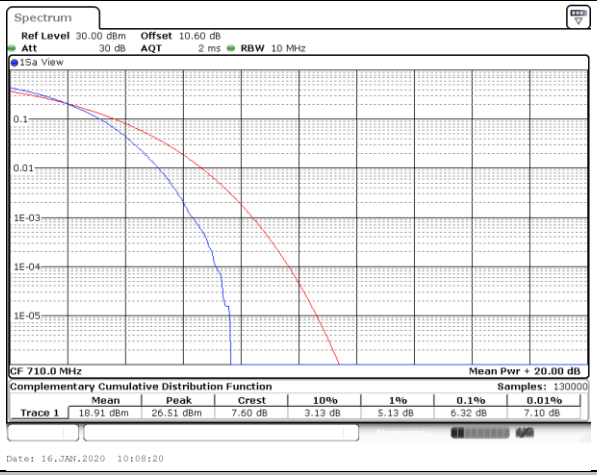
Lowest Channel / Full RB



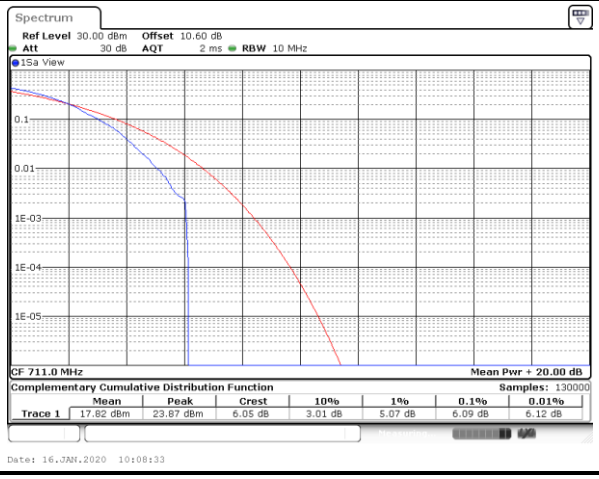
Middle Channel / 1RB



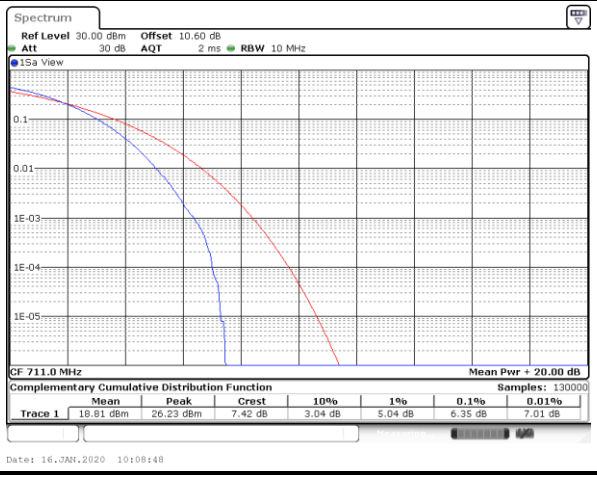
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

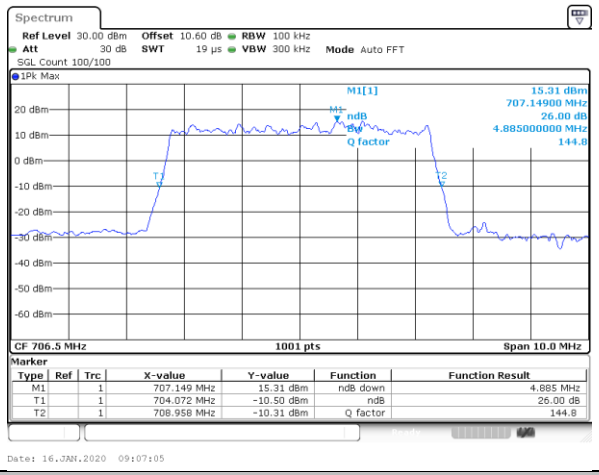


26dB Bandwidth

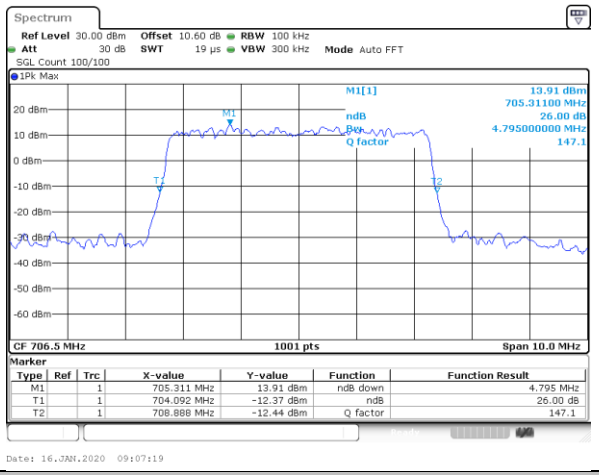
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.89	4.80	9.73	9.79	-	-	-	-
Middle CH	-	-	-	-	4.94	4.90	9.81	9.69	-	-	-	-
Highest CH	-	-	-	-	4.88	4.91	9.87	9.75	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.86	-	9.73	-	-	-	-	-
Middle CH	-	-	-	-	4.93	-	9.75	-	-	-	-	-
Highest CH	-	-	-	-	4.89	-	9.71	-	-	-	-	-

LTE Band 17

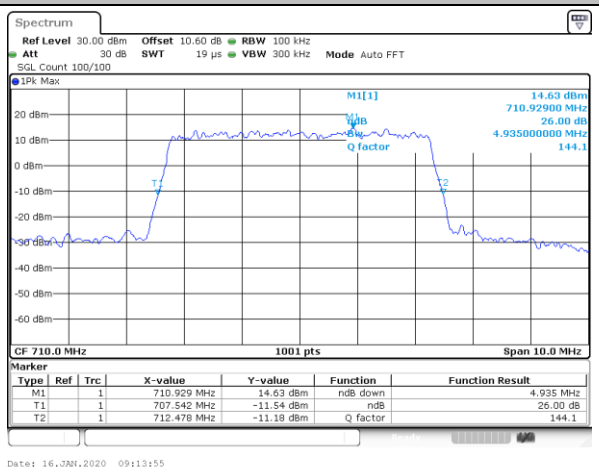
Lowest Channel / 5MHz / QPSK



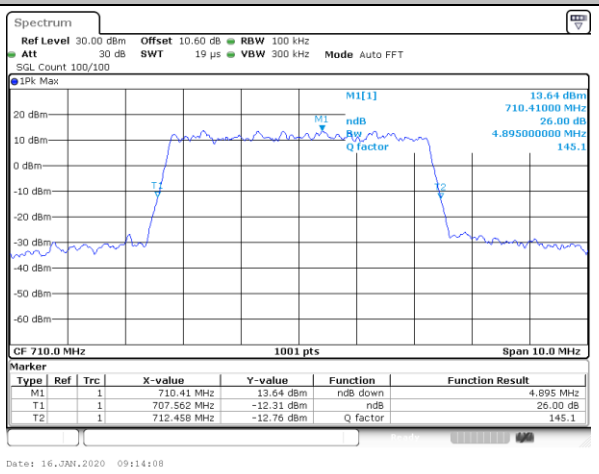
Lowest Channel / 5MHz / 16QAM



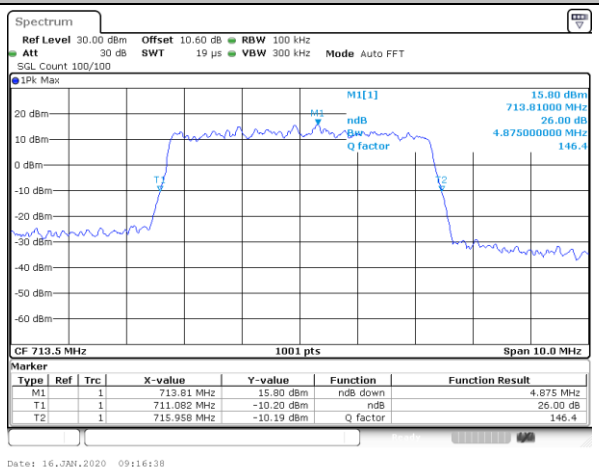
Middle Channel / 5MHz / QPSK



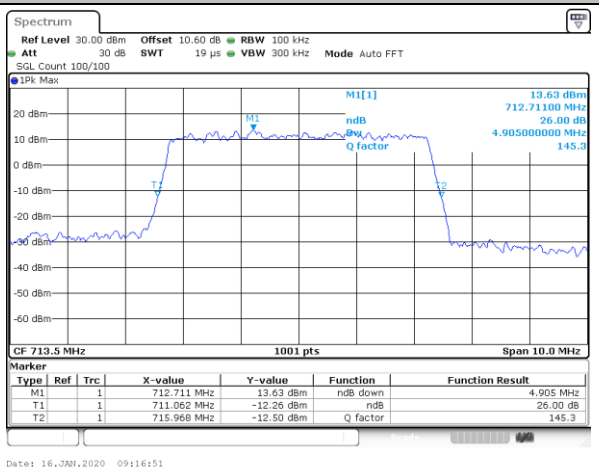
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

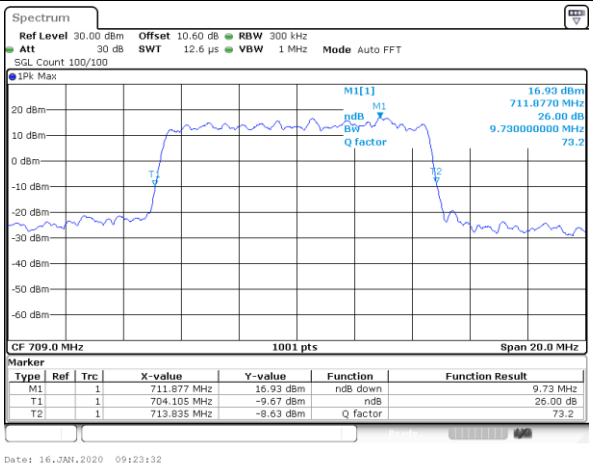


Highest Channel / 5MHz / 16QAM

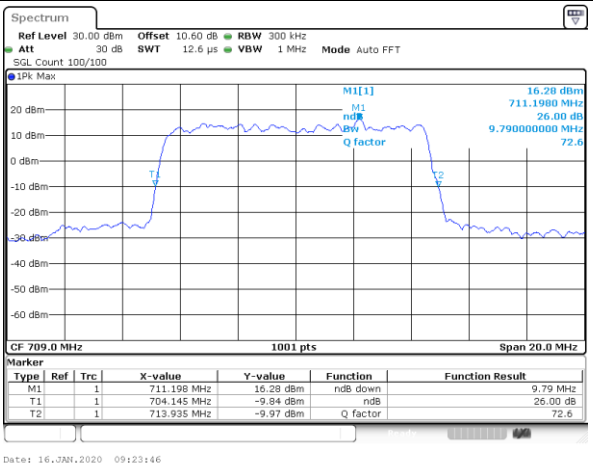


LTE Band 17

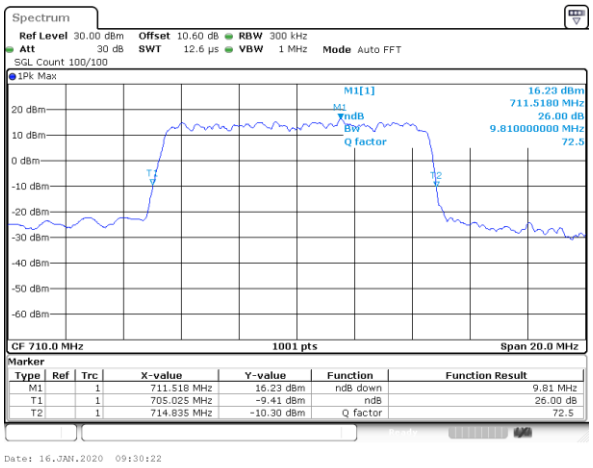
Lowest Channel / 10MHz / QPSK



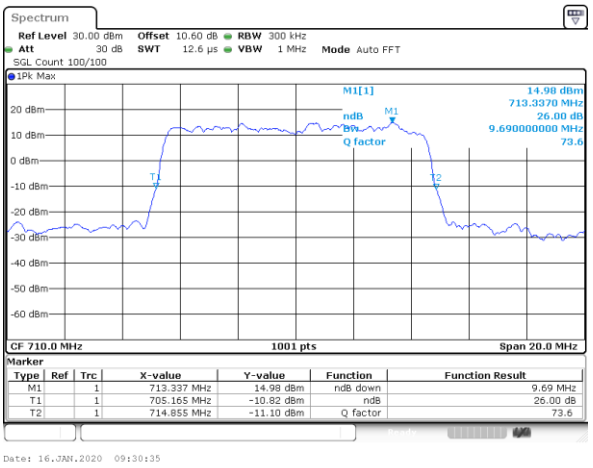
Lowest Channel / 10MHz / 16QAM



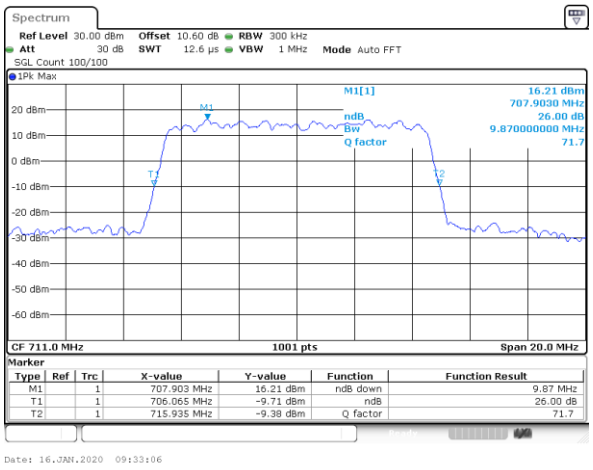
Middle Channel / 10MHz / QPSK



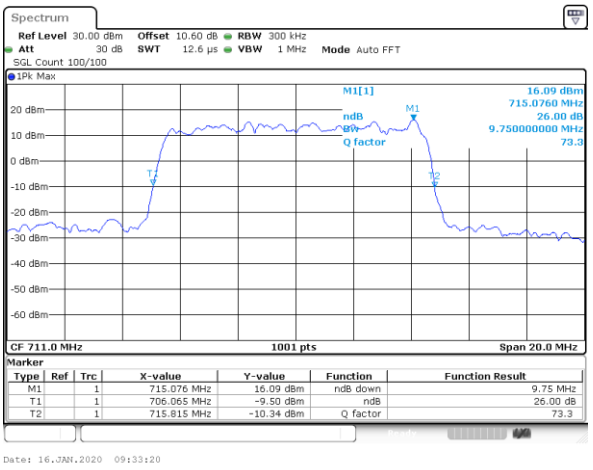
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

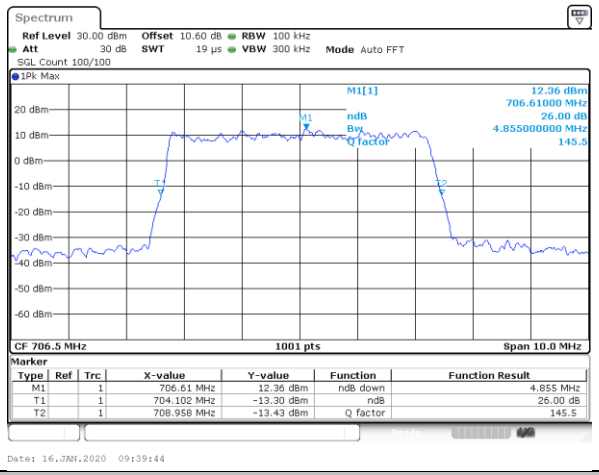


Highest Channel / 10MHz / 16QAM

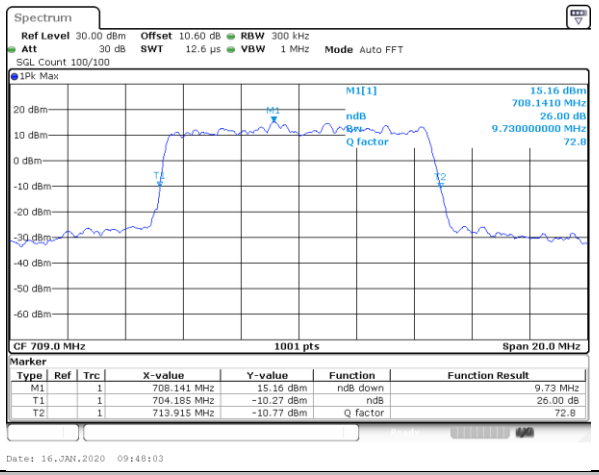


LTE Band 17

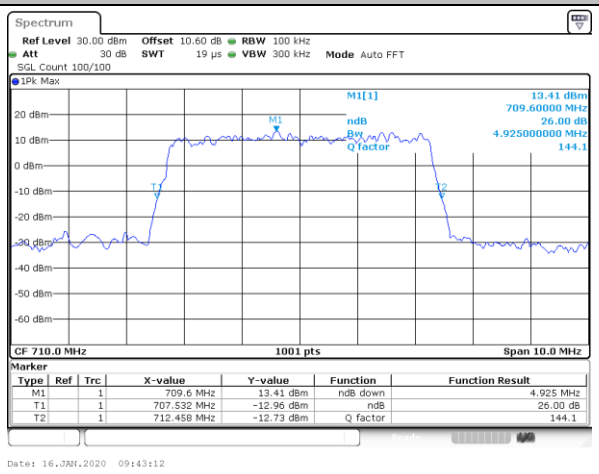
Lowest Channel / 5MHz / 64QAM



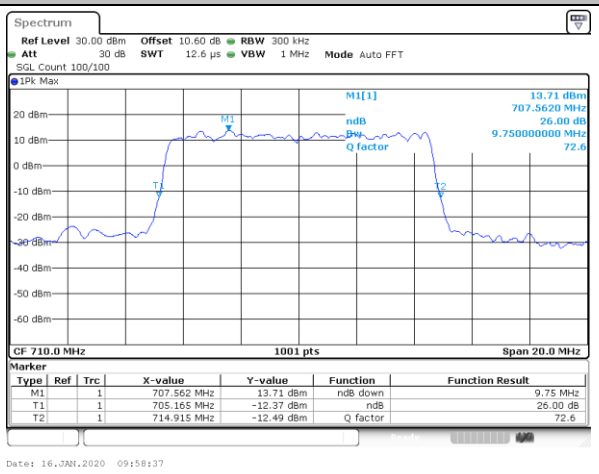
Lowest Channel / 10MHz / 64QAM



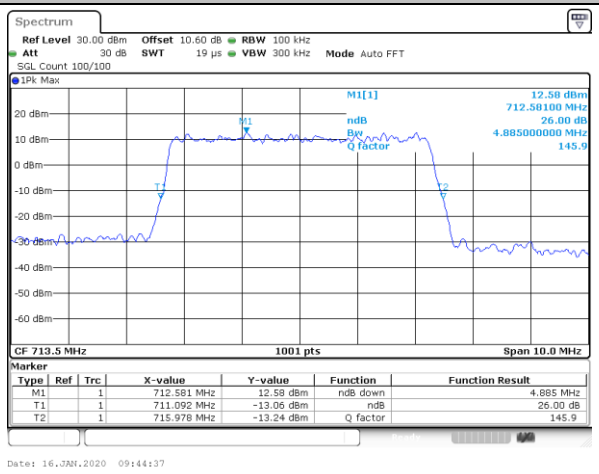
Middle Channel / 5MHz / 64QAM



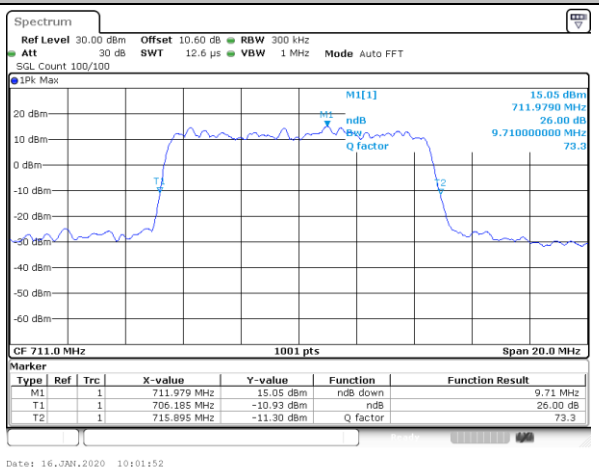
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

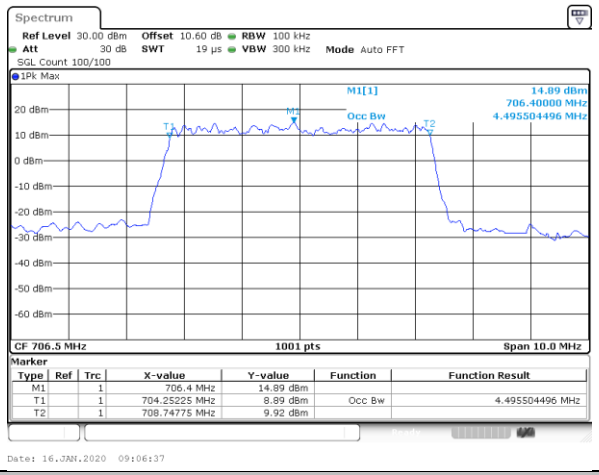


Occupied Bandwidth

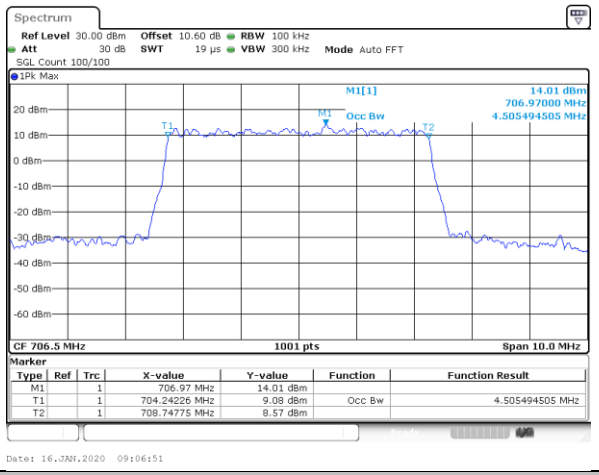
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.51	9.05	8.99	-	-	-	-
Middle CH	-	-	-	-	4.52	4.47	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.49	9.05	8.97	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	9.01	-	-	-	-	-
Middle CH	-	-	-	-	4.49	-	9.01	-	-	-	-	-
Highest CH	-	-	-	-	4.52	-	9.01	-	-	-	-	-

LTE Band 17

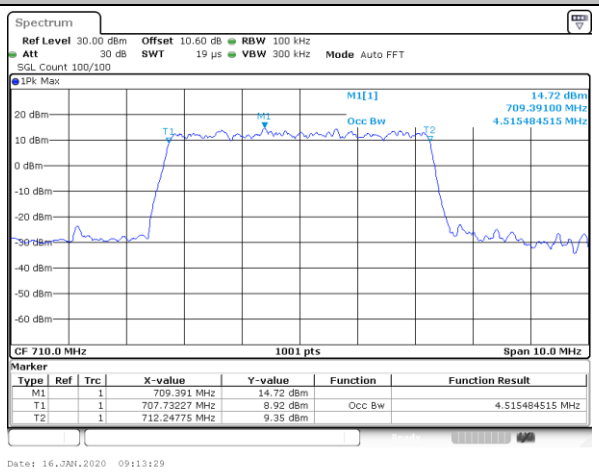
Lowest Channel / 5MHz / QPSK



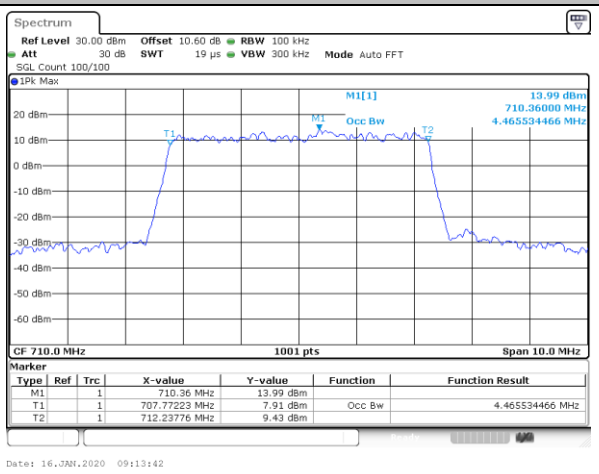
Lowest Channel / 5MHz / 16QAM



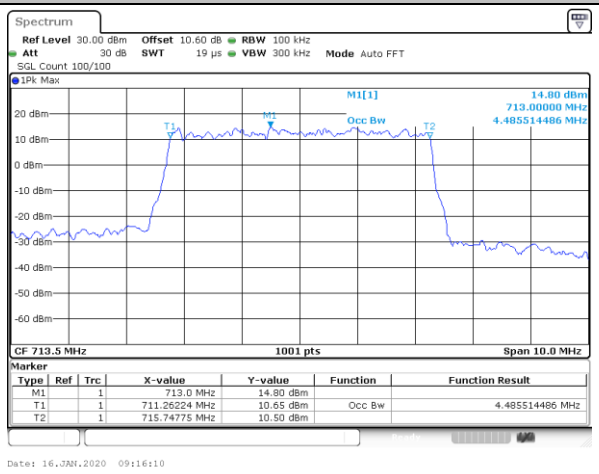
Middle Channel / 5MHz / QPSK



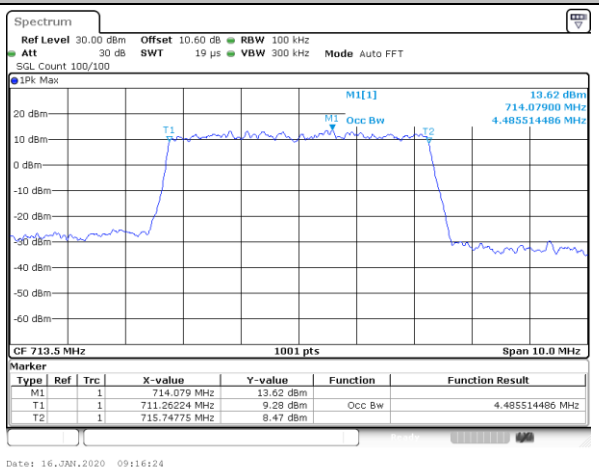
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

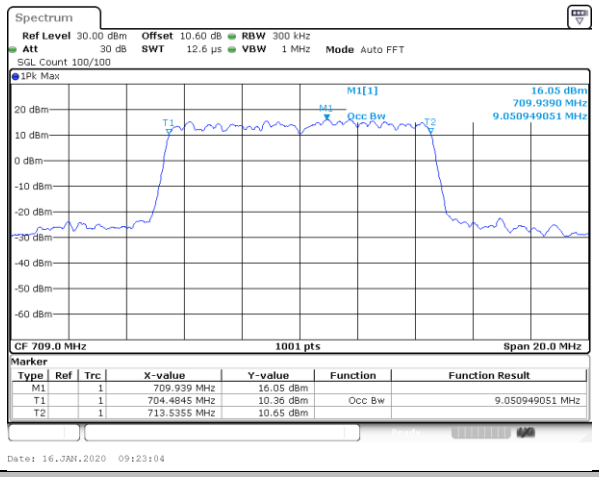


Highest Channel / 5MHz / 16QAM

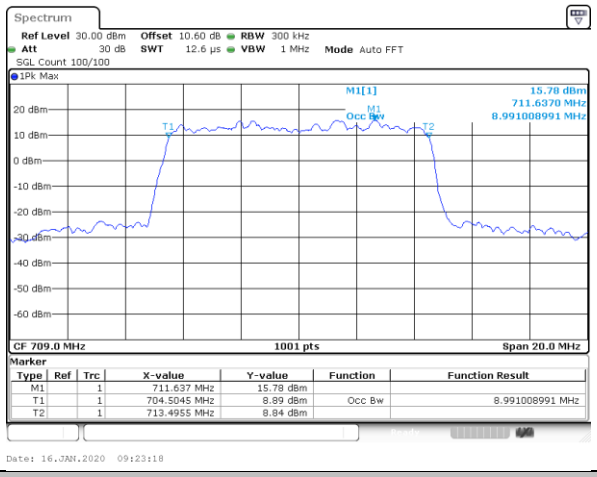


LTE Band 17

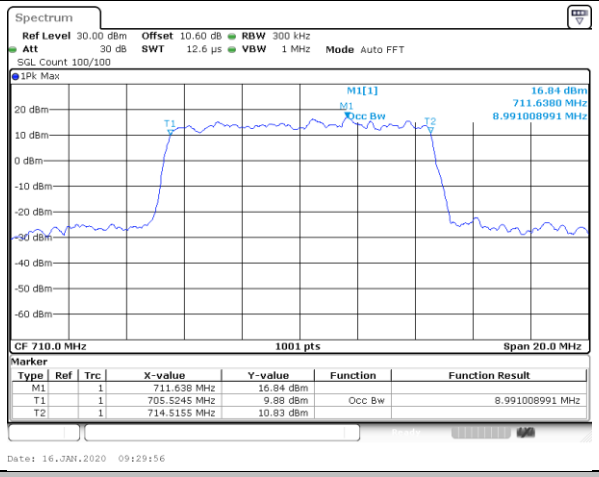
Lowest Channel / 10MHz / QPSK



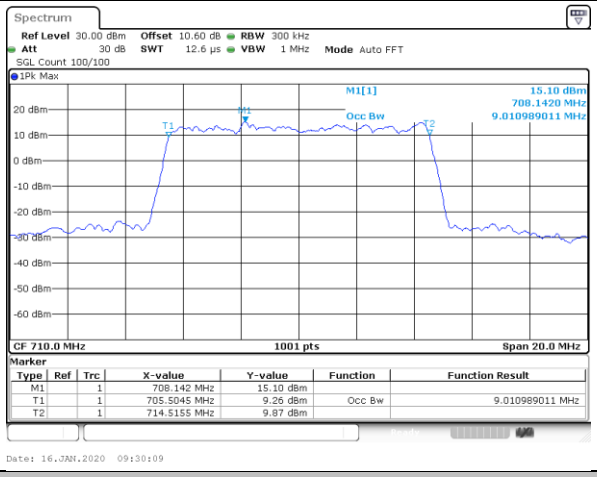
Lowest Channel / 10MHz / 16QAM



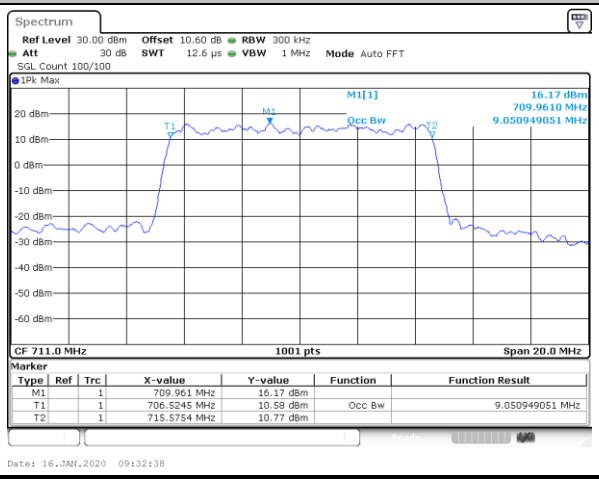
Middle Channel / 10MHz / QPSK



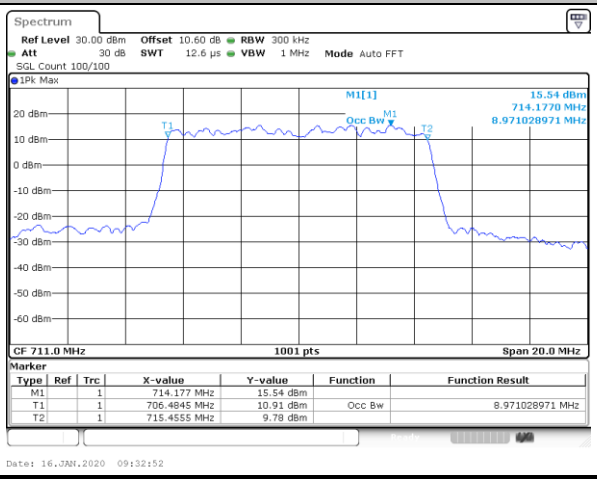
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

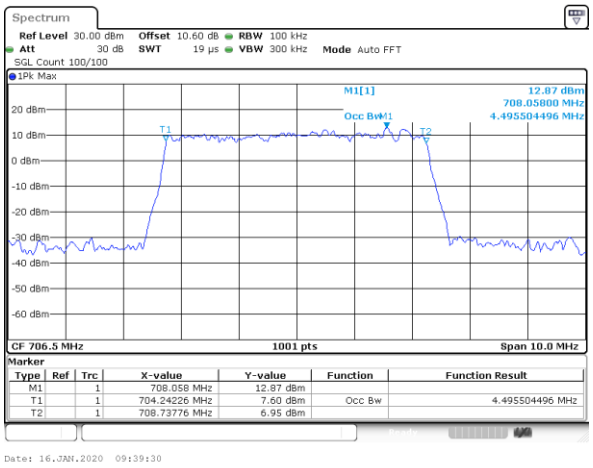


Highest Channel / 10MHz / 16QAM

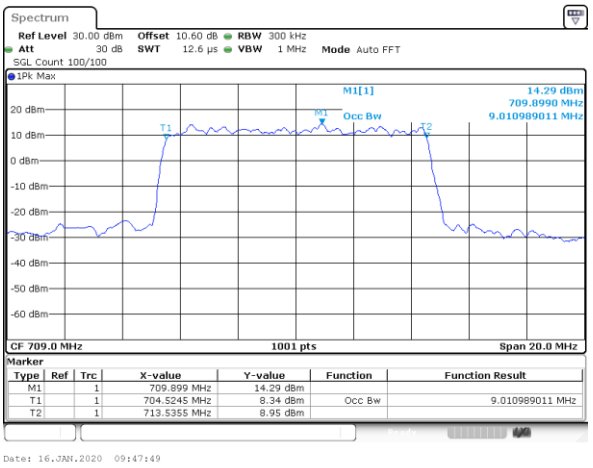


LTE Band 17

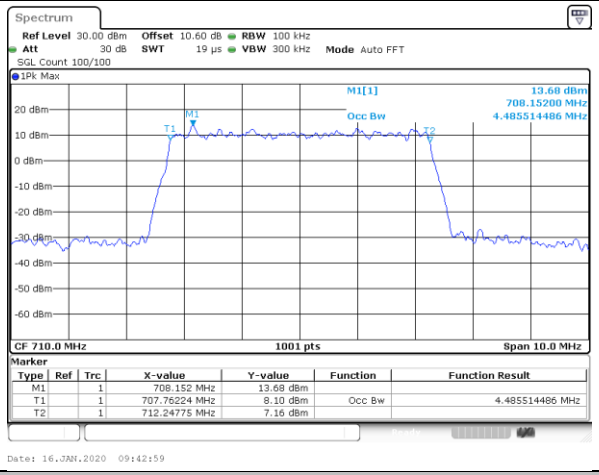
Lowest Channel / 5MHz / 64QAM



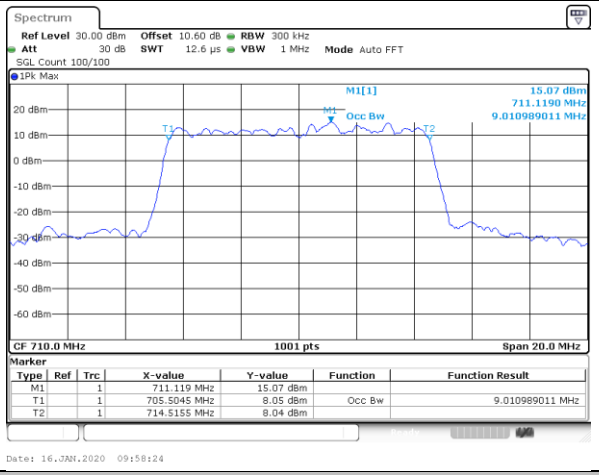
Lowest Channel / 10MHz / 64QAM



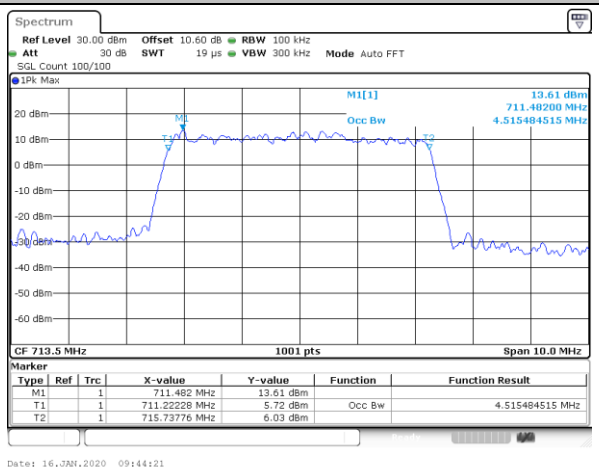
Middle Channel / 5MHz / 64QAM



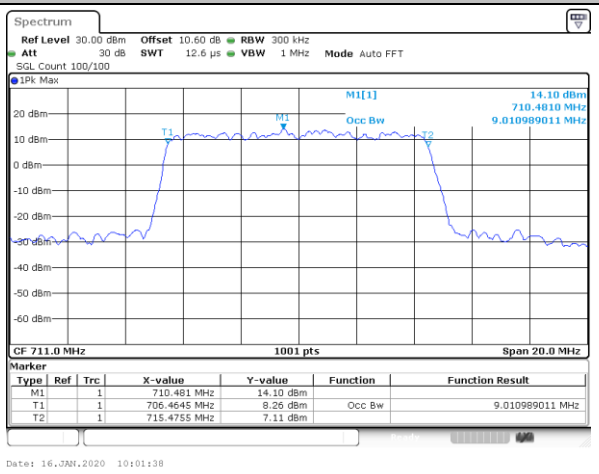
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



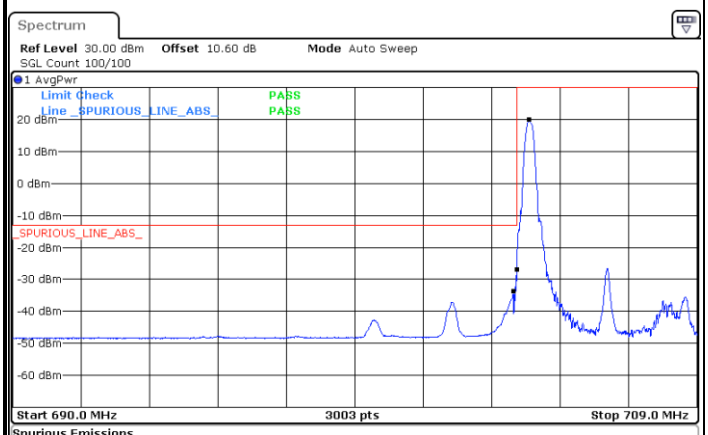
Highest Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB

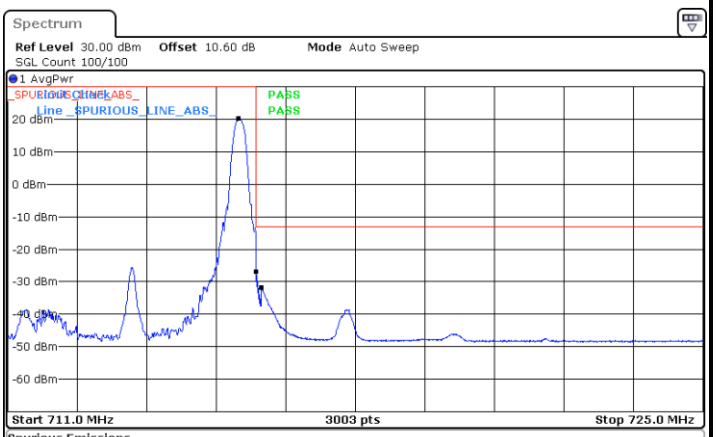


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-33.58 dBm	-20.58 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99785 MHz	-26.78 dBm	-13.78 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.33716 MHz	19.85 dBm	-10.15 dB

Date: 16.JAN.2020 09:08:21

Highest Band Edge / 1 RB

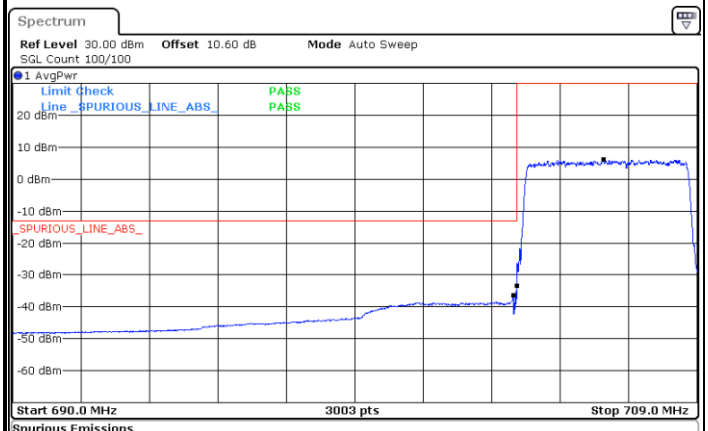


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64286 MHz	20.26 dBm	-9.74 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00155 MHz	-26.95 dBm	-13.95 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.76 dBm	-18.76 dB

Date: 16.JAN.2020 09:17:53

Lowest Band Edge / Full RB

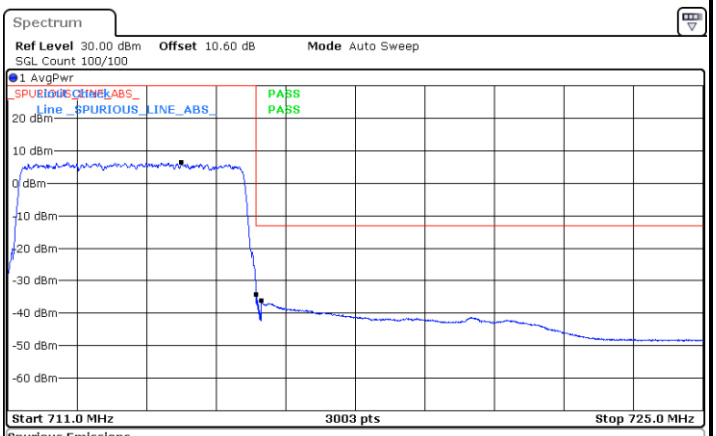


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-36.31 dBm	-23.31 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99955 MHz	-33.34 dBm	-20.34 dB
704.000 MHz	709.000 MHz	100.000 kHz	706.39510 MHz	6.12 dBm	-23.88 dB

Date: 16.JAN.2020 09:10:25

Highest Band Edge / Full RB



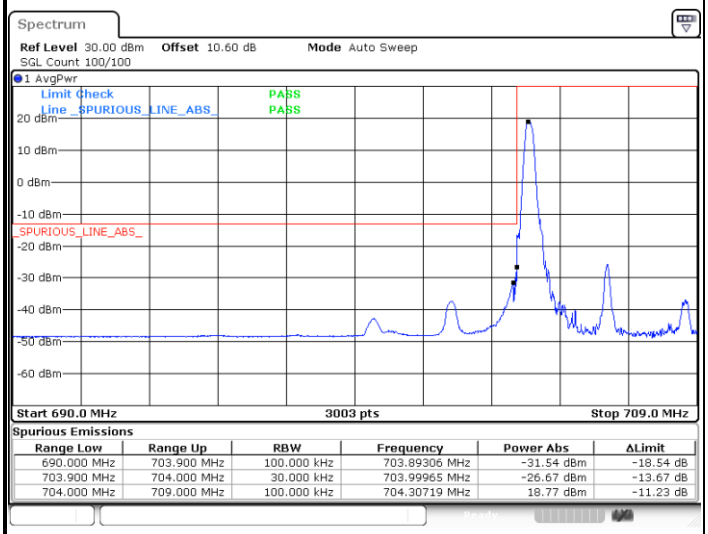
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.49900 MHz	6.41 dBm	-23.59 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00514 MHz	-34.24 dBm	-21.24 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.19 dBm	-23.19 dB

Date: 16.JAN.2020 09:19:59

LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

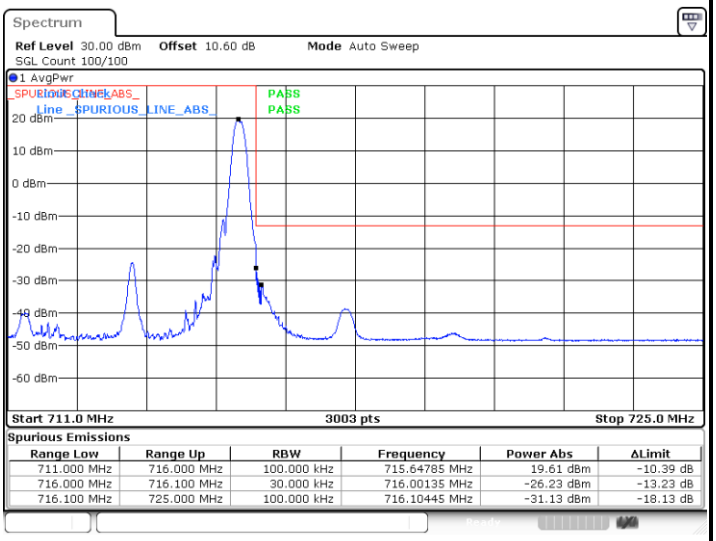


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-31.54 dBm	-18.54 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99965 MHz	-26.67 dBm	-13.67 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.30719 MHz	18.77 dBm	-11.23 dB

Date: 16.JAN.2020 09:09:23

Highest Band Edge / 1 RB

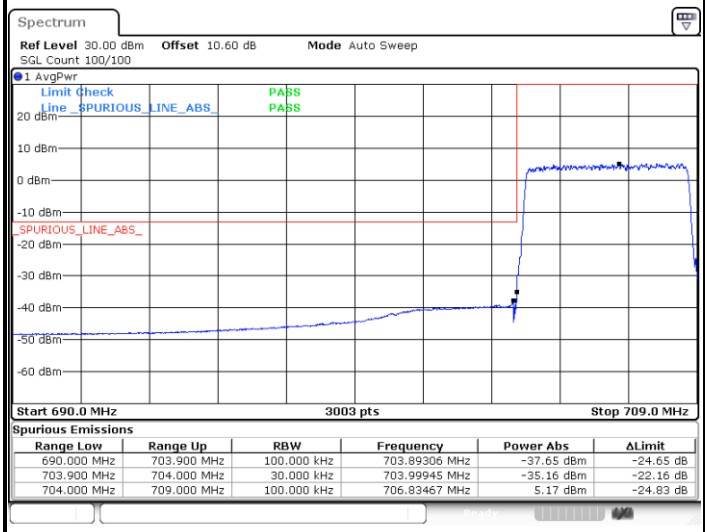


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64785 MHz	19.61 dBm	-10.39 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00135 MHz	-26.23 dBm	-13.23 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.13 dBm	-18.13 dB

Date: 16.JAN.2020 09:18:55

Lowest Band Edge / Full RB

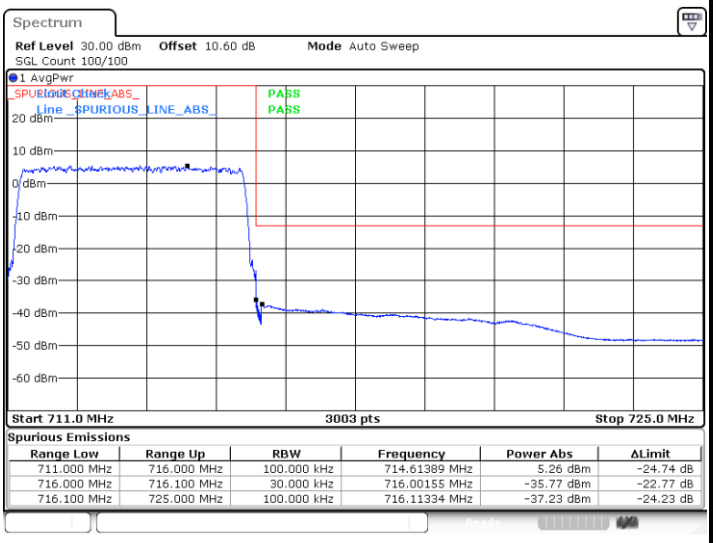


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-37.65 dBm	-24.65 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99945 MHz	-35.16 dBm	-22.16 dB
704.000 MHz	709.000 MHz	100.000 kHz	706.83467 MHz	5.17 dBm	-24.83 dB

Date: 16.JAN.2020 09:11:27

Highest Band Edge / Full RB



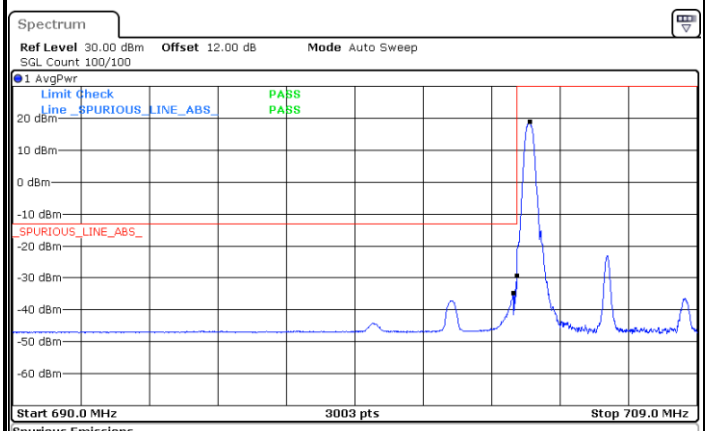
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.61389 MHz	5.26 dBm	-24.74 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00155 MHz	-35.77 dBm	-22.77 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-37.23 dBm	-24.23 dB

Date: 16.JAN.2020 09:21:00

LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

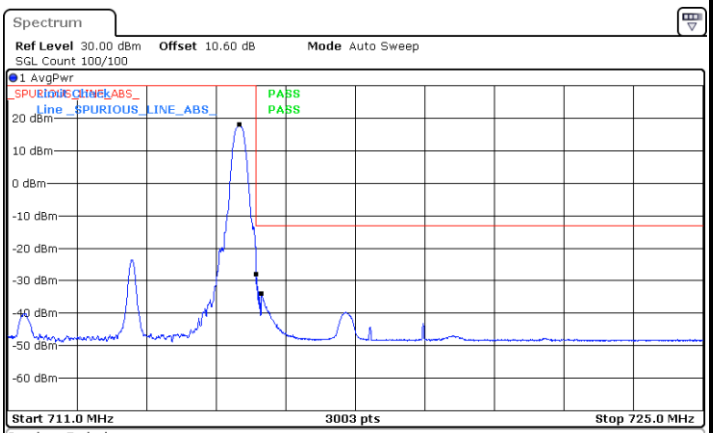


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-34.73 dBm	-21.73 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99905 MHz	-29.33 dBm	-16.33 dB
704.000 MHz	709.000 MHz	100.000 kHz	704.34715 MHz	18.99 dBm	-11.01 dB

Date: 16.JAN.2020 09:40:49

Highest Band Edge / 1 RB

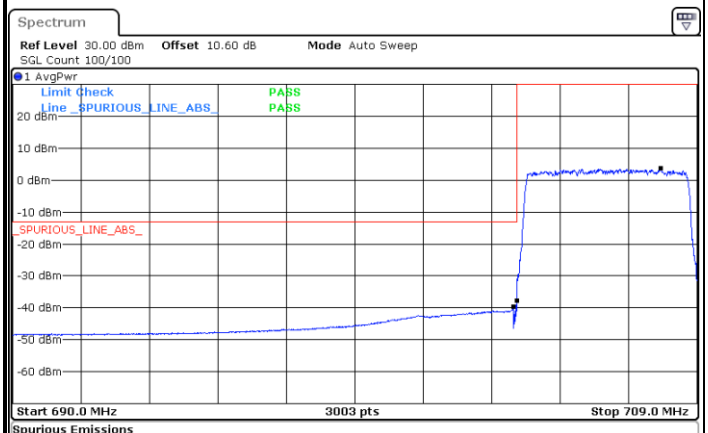


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.66284 MHz	18.07 dBm	-11.93 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00155 MHz	-28.03 dBm	-15.03 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.00 dBm	-21.00 dB

Date: 16.JAN.2020 09:45:39

Lowest Band Edge / Full RB

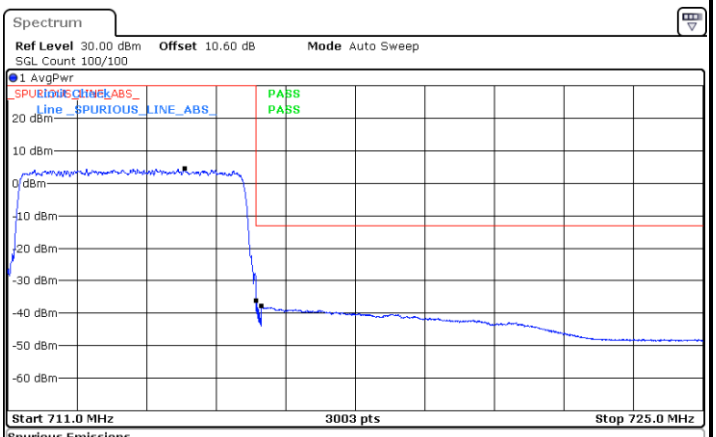


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-39.66 dBm	-26.66 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99885 MHz	-37.64 dBm	-24.64 dB
704.000 MHz	709.000 MHz	100.000 kHz	707.98352 MHz	3.77 dBm	-26.23 dB

Date: 16.JAN.2020 09:41:50

Highest Band Edge / Full RB



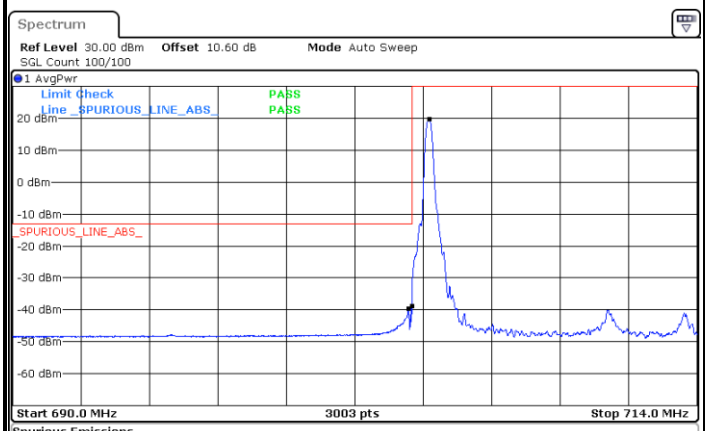
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.56394 MHz	4.45 dBm	-25.55 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00165 MHz	-36.19 dBm	-23.19 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.62 dBm	-24.62 dB

Date: 16.JAN.2020 09:46:40

LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB

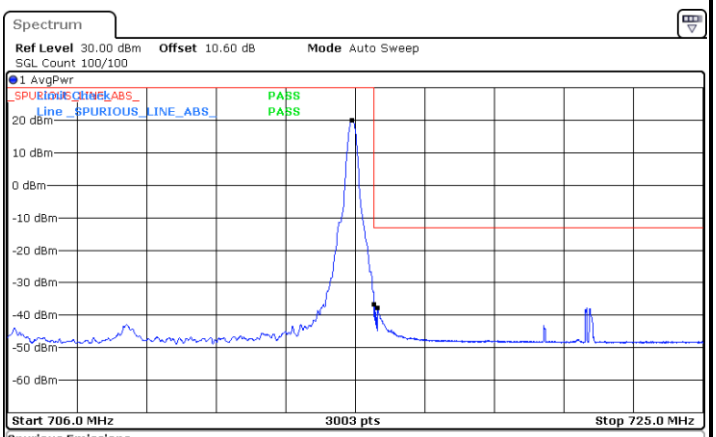


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-39.53 dBm	-26.53 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99945 MHz	-38.74 dBm	-25.74 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.61439 MHz	19.71 dBm	-10.29 dB

Date: 16.JAN.2020 09:24:48

Highest Band Edge / 1 RB

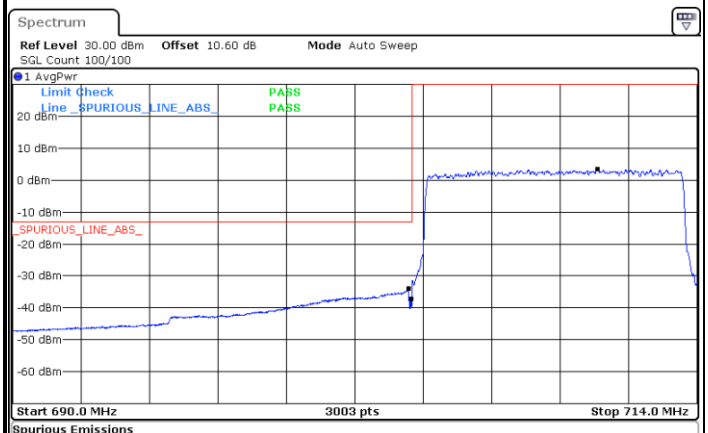


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	19.91 dBm	-10.09 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00175 MHz	-36.57 dBm	-23.57 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.66 dBm	-24.66 dB

Date: 16.JAN.2020 09:34:22

Lowest Band Edge / Full RB

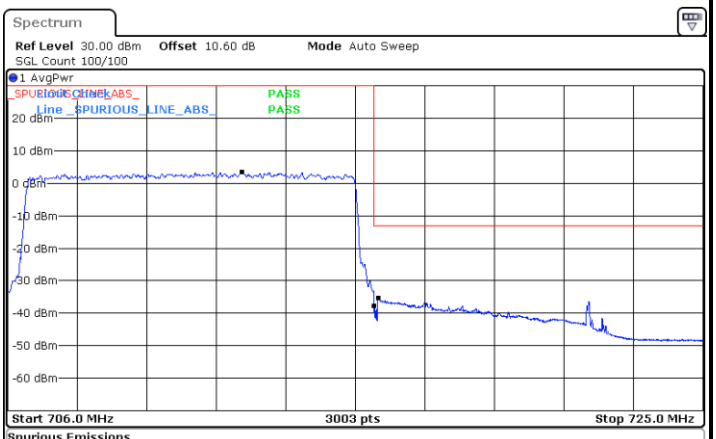


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-34.05 dBm	-21.05 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98267 MHz	-37.30 dBm	-24.30 dB
704.000 MHz	714.000 MHz	100.000 kHz	710.51848 MHz	3.33 dBm	-26.67 dB

Date: 16.JAN.2020 09:26:51

Highest Band Edge / Full RB



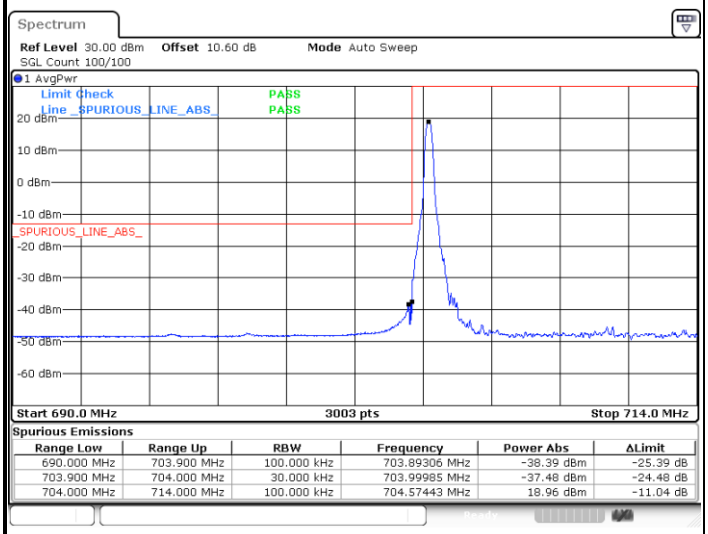
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	712.40859 MHz	3.52 dBm	-26.48 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00155 MHz	-37.81 dBm	-24.81 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-35.35 dBm	-22.35 dB

Date: 16.JAN.2020 09:36:25

LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

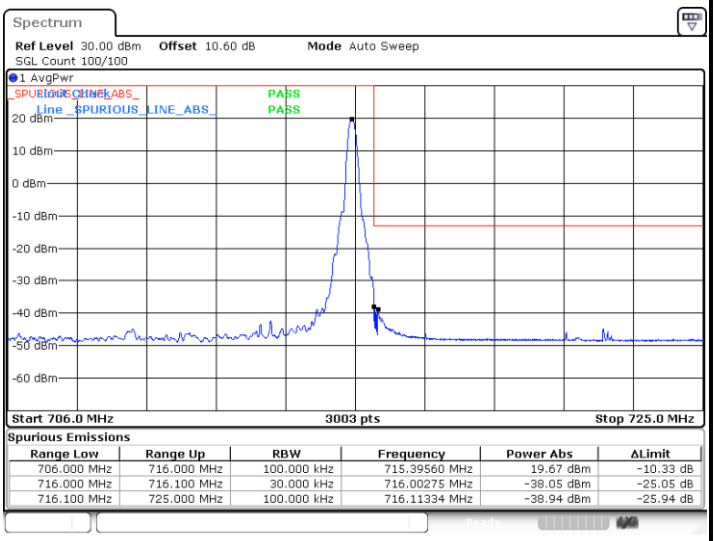


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-38.39 dBm	-25.39 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99985 MHz	-37.48 dBm	-24.48 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.57443 MHz	18.96 dBm	-11.04 dB

Date: 16.JAN.2020 09:25:49

Highest Band Edge / 1 RB

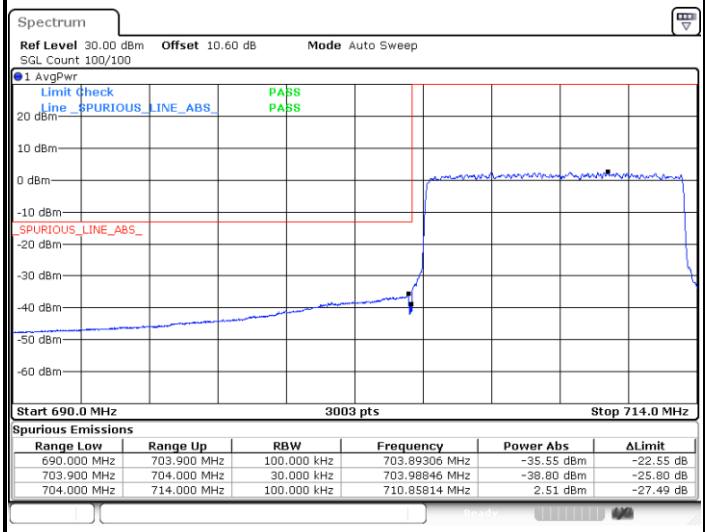


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	19.67 dBm	-10.33 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00275 MHz	-38.05 dBm	-25.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-38.94 dBm	-25.94 dB

Date: 16.JAN.2020 09:35:23

Lowest Band Edge / Full RB

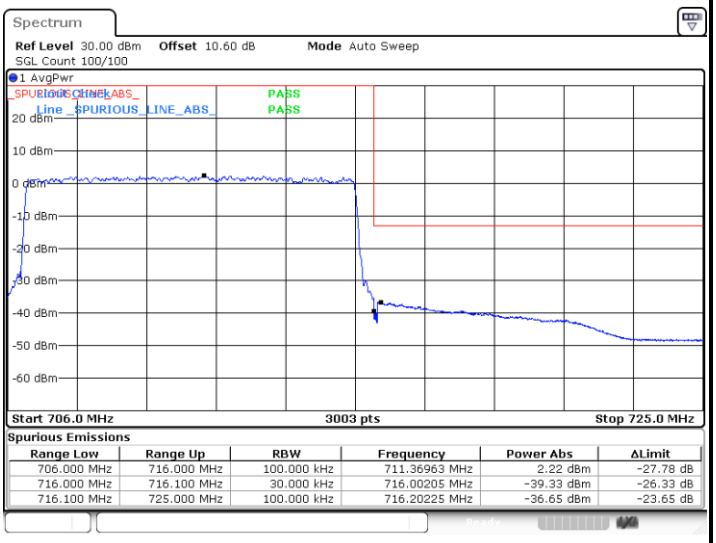


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-35.55 dBm	-22.55 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98846 MHz	-38.80 dBm	-25.80 dB
704.000 MHz	714.000 MHz	100.000 kHz	710.85814 MHz	2.51 dBm	-27.49 dB

Date: 16.JAN.2020 09:27:52

Highest Band Edge / Full RB



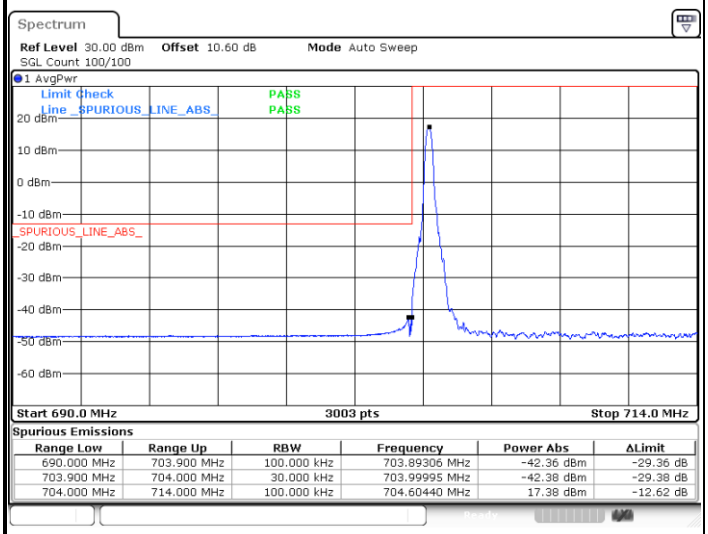
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.36963 MHz	2.22 dBm	-27.78 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00205 MHz	-39.33 dBm	-26.33 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.20225 MHz	-36.65 dBm	-23.65 dB

Date: 16.JAN.2020 09:37:26

LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

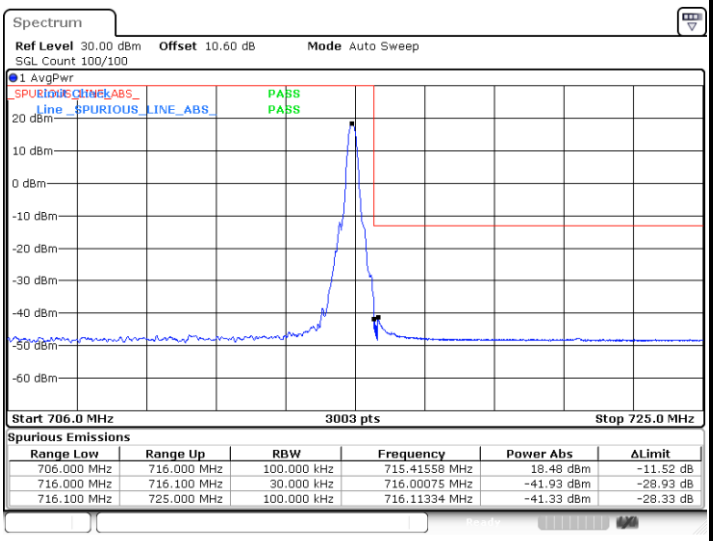


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-42.36 dBm	-29.36 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99995 MHz	-42.38 dBm	-29.38 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.60440 MHz	17.38 dBm	-12.62 dB

Date: 16.JAN.2020 09:49:05

Highest Band Edge / 1 RB

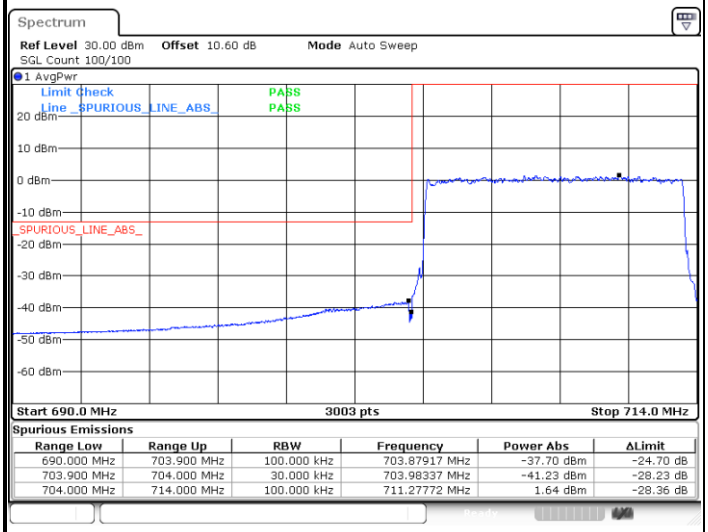


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	18.48 dBm	-11.52 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00075 MHz	-41.93 dBm	-28.93 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-41.33 dBm	-28.33 dB

Date: 16.JAN.2020 10:02:53

Lowest Band Edge / Full RB

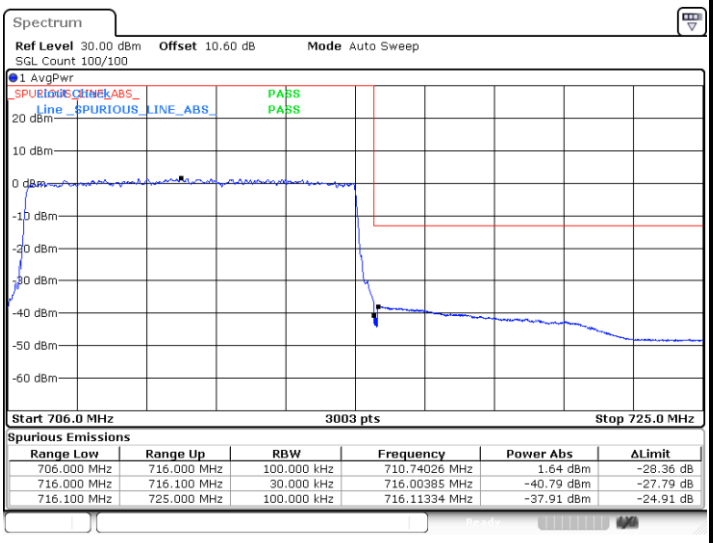


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.87917 MHz	-37.70 dBm	-24.70 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98337 MHz	-41.23 dBm	-28.23 dB
704.000 MHz	714.000 MHz	100.000 kHz	711.27772 MHz	1.64 dBm	-28.36 dB

Date: 16.JAN.2020 09:50:06

Highest Band Edge / Full RB



Spurious Emissions

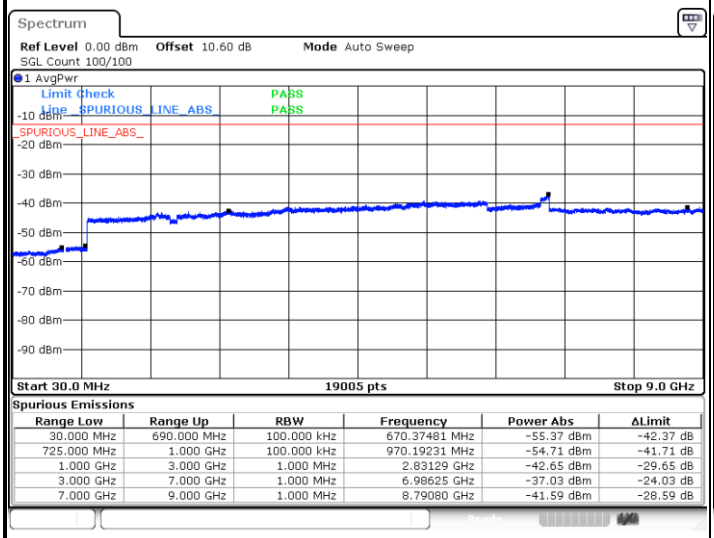
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.74026 MHz	1.64 dBm	-28.36 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00385 MHz	-40.79 dBm	-27.79 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-37.91 dBm	-24.91 dB

Date: 16.JAN.2020 10:03:55

Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

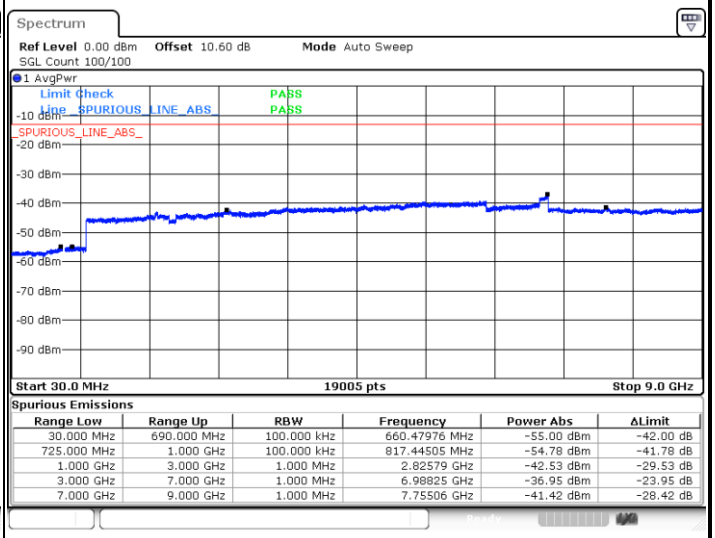


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.37481 MHz	-55.37 dBm	-42.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.19231 MHz	-54.71 dBm	-41.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83129 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-37.03 dBm	-24.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79080 GHz	-41.59 dBm	-28.59 dB

Date: 16.JAN.2020 09:12:20

Lowest Channel / 16QAM

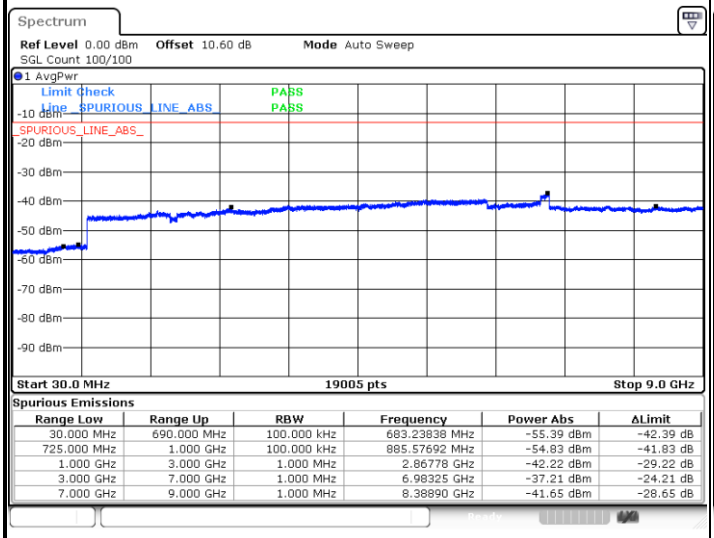


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.47976 MHz	-55.00 dBm	-42.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	817.44505 MHz	-54.78 dBm	-41.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82579 GHz	-42.53 dBm	-29.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-36.95 dBm	-23.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75506 GHz	-41.42 dBm	-28.42 dB

Date: 16.JAN.2020 09:13:15

Middle Channel / QPSK

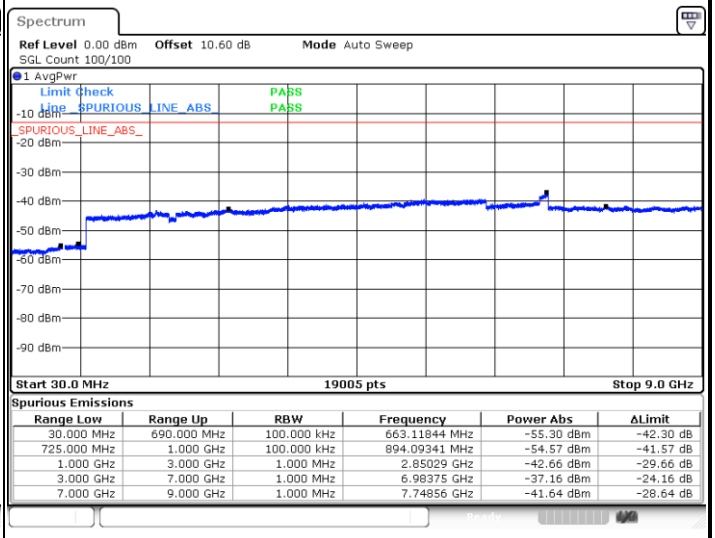


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.23838 MHz	-55.39 dBm	-42.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	885.57692 MHz	-54.83 dBm	-41.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86778 GHz	-42.22 dBm	-29.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.38890 GHz	-41.65 dBm	-28.65 dB

Date: 16.JAN.2020 09:15:02

Middle Channel / 16QAM



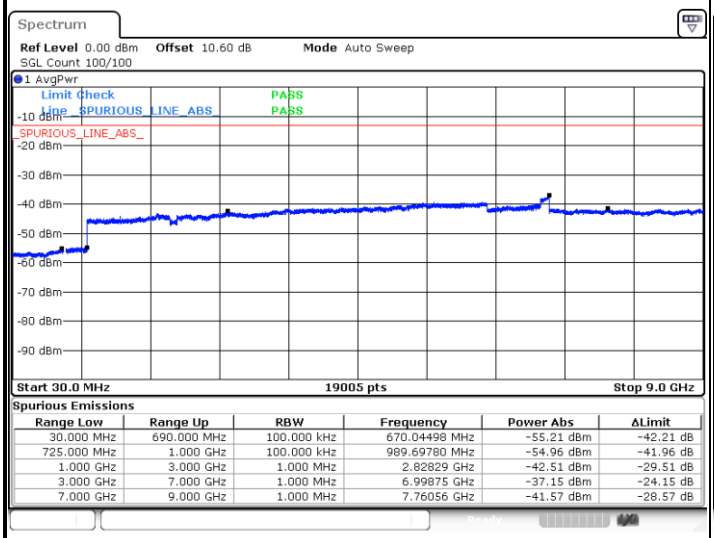
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	663.11844 MHz	-55.30 dBm	-42.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.09341 MHz	-54.57 dBm	-41.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85029 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-37.16 dBm	-24.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74856 GHz	-41.64 dBm	-28.64 dB

Date: 16.JAN.2020 09:15:56

LTE Band 17 / 5MHz

Highest Channel / QPSK

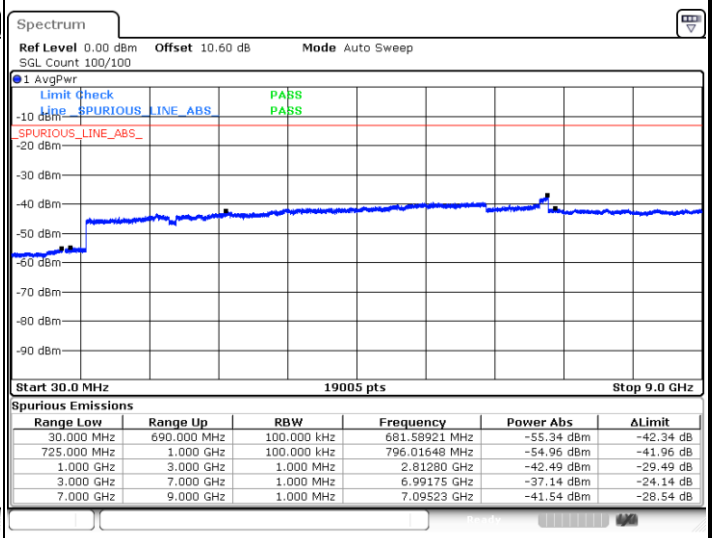


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-55.21 dBm	-42.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.69780 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82829 GHz	-42.51 dBm	-29.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-37.15 dBm	-24.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76056 GHz	-41.57 dBm	-28.57 dB

Date: 16.JAN.2020 09:21:54

Highest Channel / 16QAM



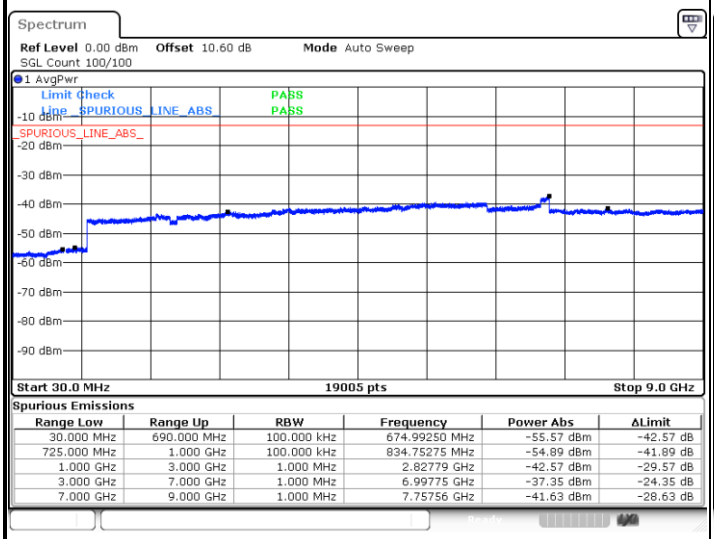
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.58921 MHz	-55.34 dBm	-42.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	796.01648 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81280 GHz	-42.49 dBm	-29.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-37.14 dBm	-24.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09523 GHz	-41.54 dBm	-28.54 dB

Date: 16.JAN.2020 09:22:50

LTE Band 17 / 10MHz

Lowest Channel / QPSK

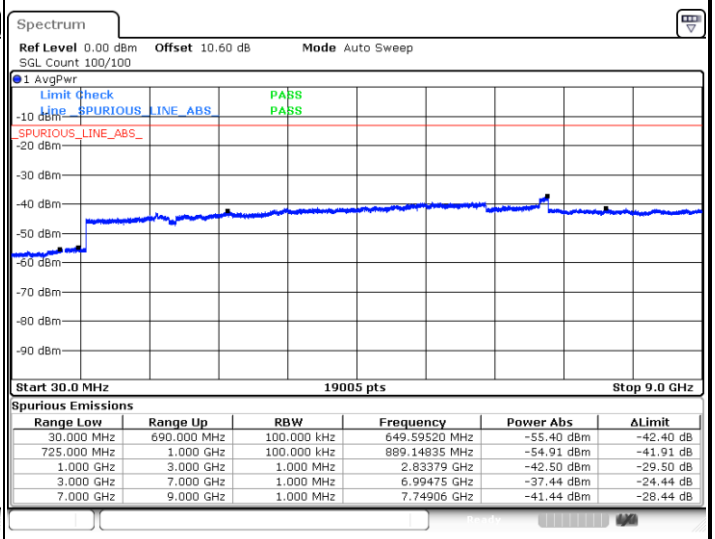


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.99250 MHz	-55.57 dBm	-42.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	834.75275 MHz	-54.89 dBm	-41.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82779 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.35 dBm	-24.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75756 GHz	-41.63 dBm	-28.63 dB

Date: 16.JAN.2020 09:28:46

Lowest Channel / 16QAM



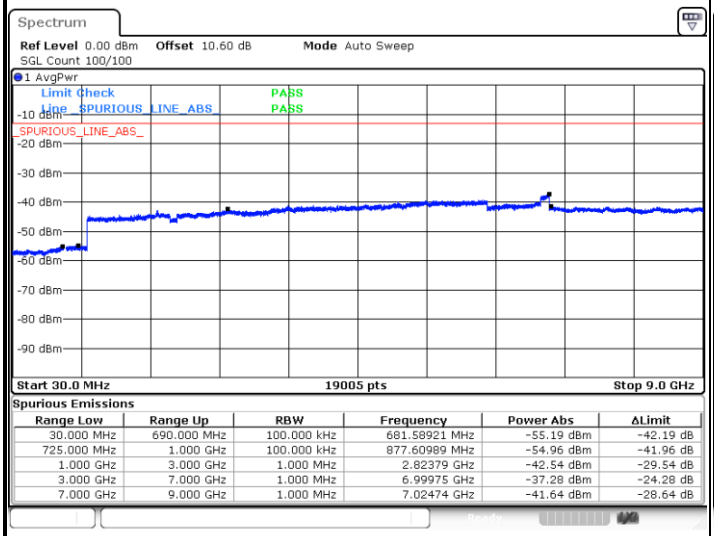
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	649.59520 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	889.14835 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83379 GHz	-42.50 dBm	-29.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-37.44 dBm	-24.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74906 GHz	-41.44 dBm	-28.44 dB

Date: 16.JAN.2020 09:29:42

LTE Band 17 / 10MHz

Middle Channel / QPSK

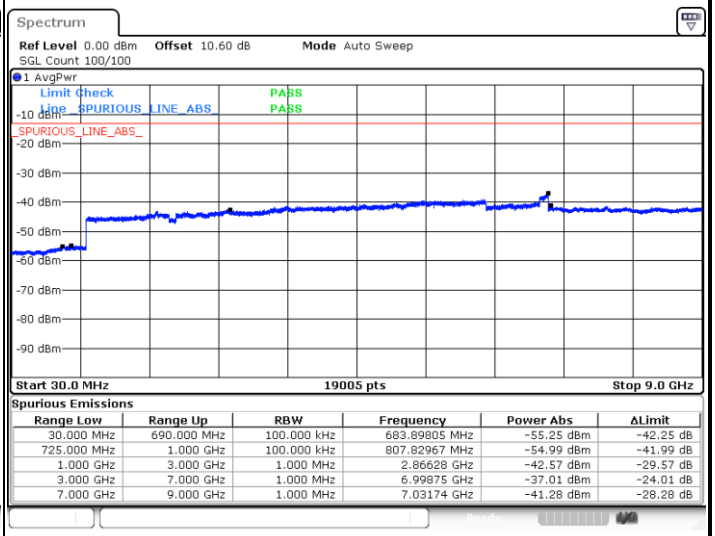


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.58921 MHz	-55.19 dBm	-42.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	877.60989 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82379 GHz	-42.54 dBm	-29.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02474 GHz	-41.64 dBm	-28.64 dB

Date: 16.JAN.2020 09:31:30

Middle Channel / 16QAM

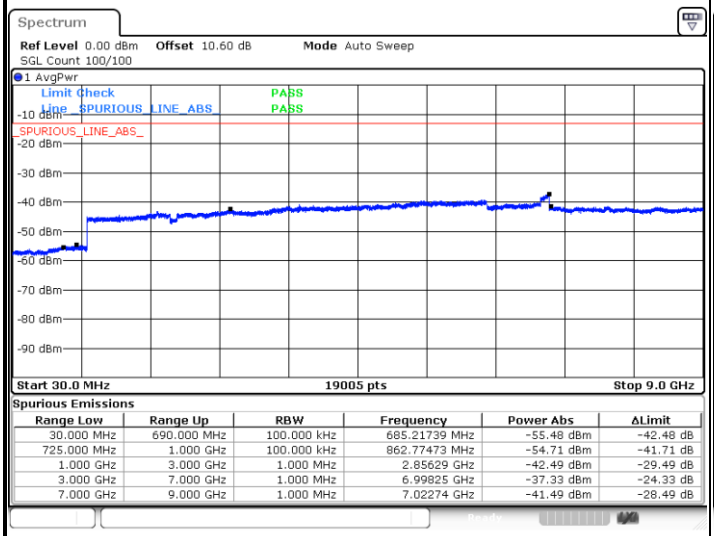


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-55.25 dBm	-42.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	807.82967 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86628 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-37.01 dBm	-24.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03174 GHz	-41.28 dBm	-28.28 dB

Date: 16.JAN.2020 09:32:24

Highest Channel / QPSK

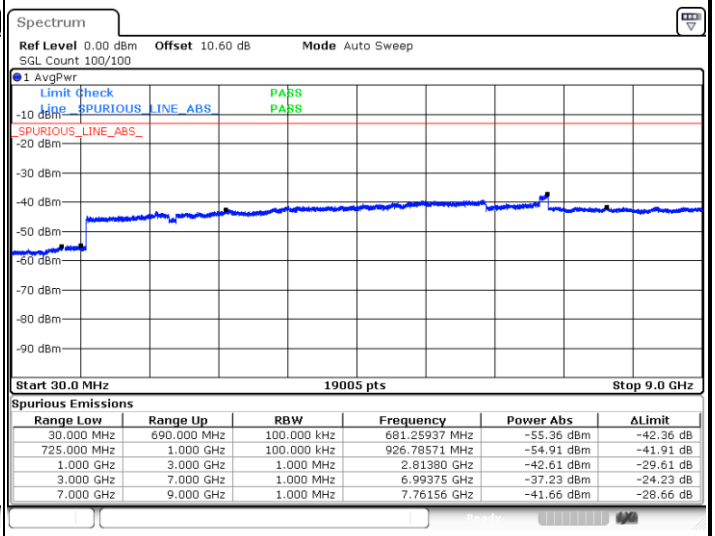


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-55.48 dBm	-42.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	862.77473 MHz	-54.71 dBm	-41.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85629 GHz	-42.49 dBm	-29.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.33 dBm	-24.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02274 GHz	-41.49 dBm	-28.49 dB

Date: 16.JAN.2020 09:38:20

Highest Channel / 16QAM



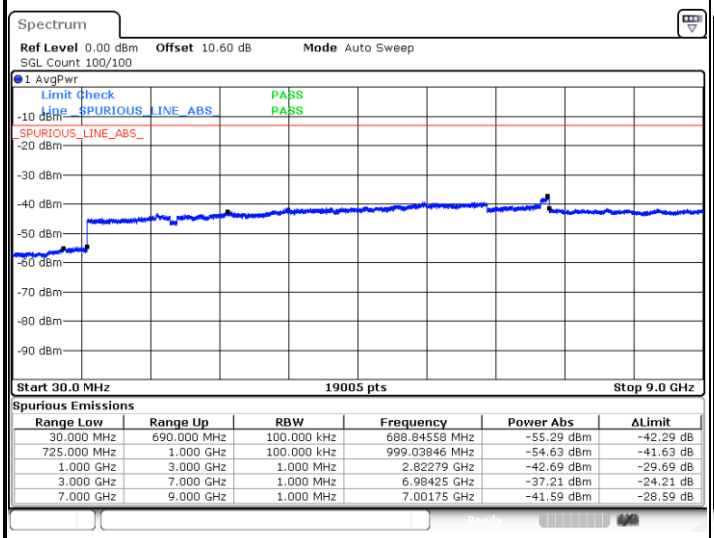
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.25937 MHz	-55.36 dBm	-42.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.78571 MHz	-54.91 dBm	-41.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81380 GHz	-42.61 dBm	-29.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-37.23 dBm	-24.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76156 GHz	-41.66 dBm	-28.66 dB

Date: 16.JAN.2020 09:39:15

LTE Band 17 / 5MHz

Lowest Channel / 64QAM

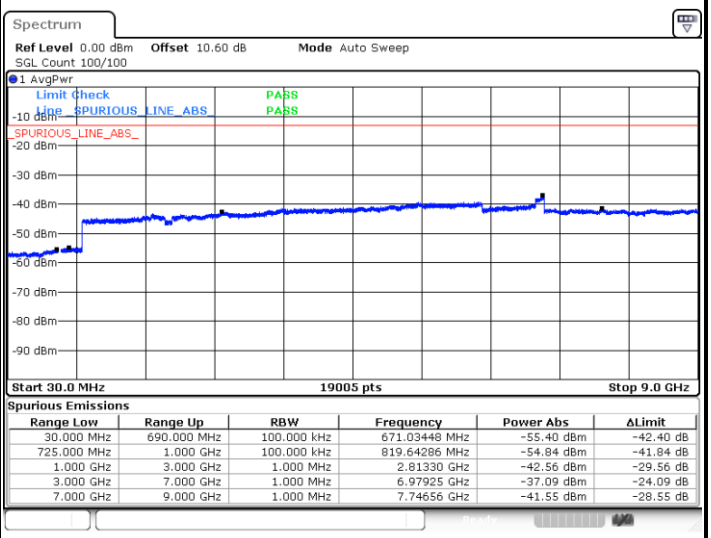


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-55.29 dBm	-42.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-54.63 dBm	-41.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82279 GHz	-42.69 dBm	-29.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00175 GHz	-41.59 dBm	-28.59 dB

Date: 16.JAN.2020 09:42:45

Middle Channel / 64QAM

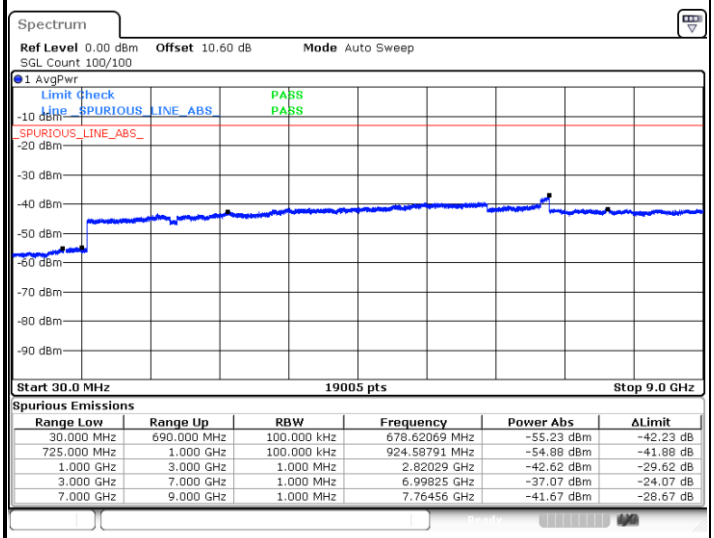


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.03448 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	819.64286 MHz	-54.84 dBm	-41.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81330 GHz	-42.56 dBm	-29.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-37.09 dBm	-24.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74656 GHz	-41.55 dBm	-28.55 dB

Date: 16.JAN.2020 09:44:06

Highest Channel / 64QAM



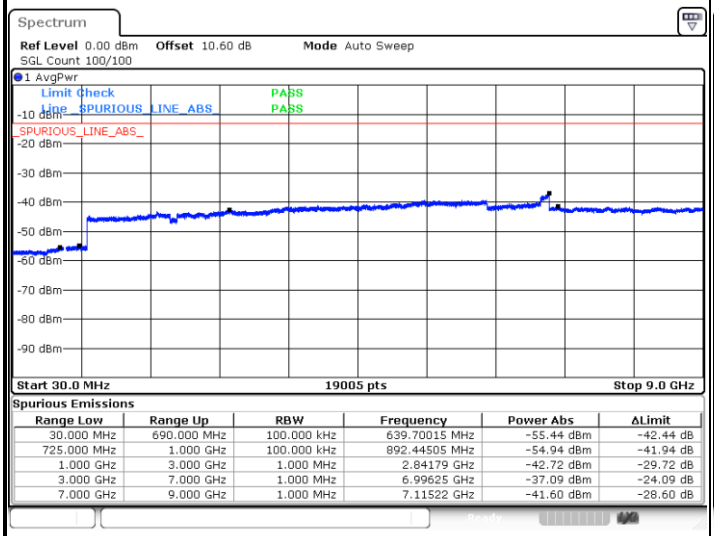
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.62069 MHz	-55.23 dBm	-42.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	924.58791 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82029 GHz	-42.62 dBm	-29.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.07 dBm	-24.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.76456 GHz	-41.67 dBm	-28.67 dB

Date: 16.JAN.2020 09:47:35

LTE Band 17 / 10MHz

Lowest Channel / 64QAM

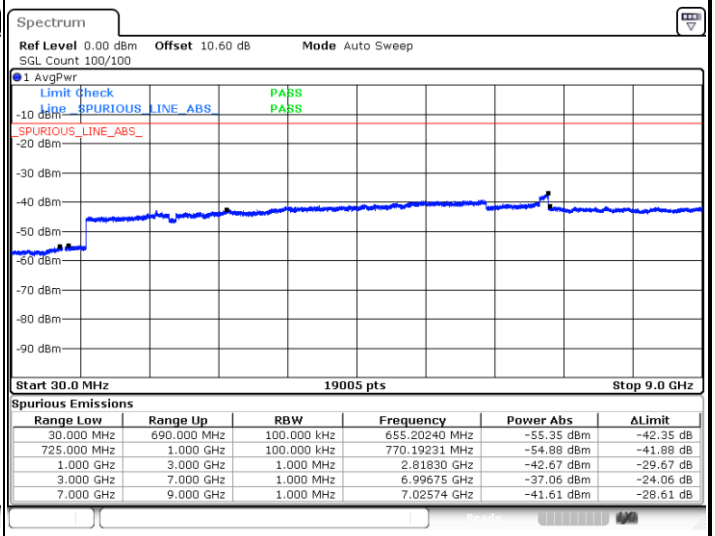


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.70015 MHz	-55.44 dBm	-42.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	892.44505 MHz	-54.94 dBm	-41.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84179 GHz	-42.72 dBm	-29.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-37.09 dBm	-24.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.11522 GHz	-41.60 dBm	-28.60 dB

Date: 16.JAN.2020 09:58:10

Middle Channel / 64QAM

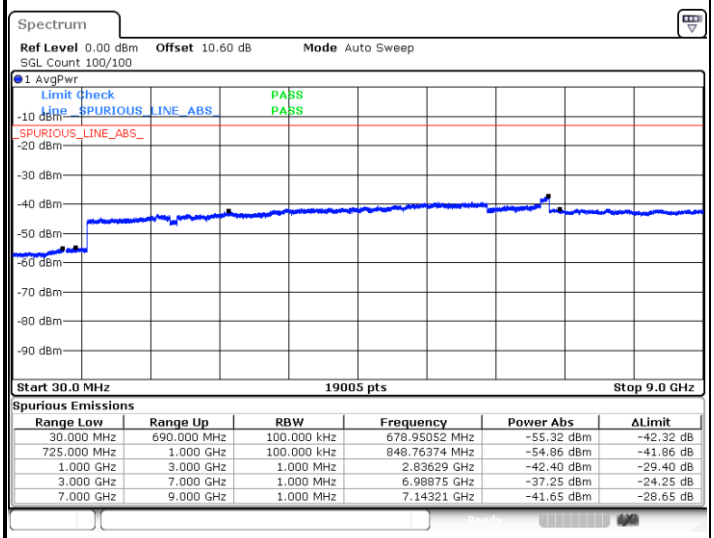


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.20240 MHz	-55.35 dBm	-42.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	770.19231 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81830 GHz	-42.67 dBm	-29.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-37.06 dBm	-24.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02574 GHz	-41.61 dBm	-28.61 dB

Date: 16.JAN.2020 09:59:31

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.95052 MHz	-55.32 dBm	-42.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	848.76374 MHz	-54.86 dBm	-41.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83629 GHz	-42.40 dBm	-29.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-37.25 dBm	-24.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.14321 GHz	-41.65 dBm	-28.65 dB

Date: 16.JAN.2020 10:04:49

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	0.0141	PASS
40	Normal Voltage	0.0118	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0127	
0	Normal Voltage	0.0121	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0154	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.9 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

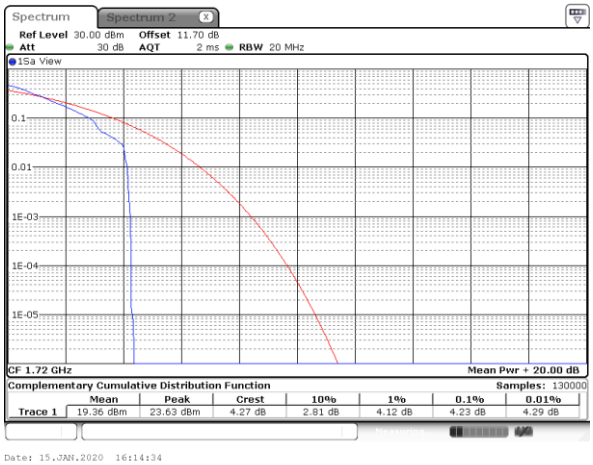
LTE Band 66

Peak-to-Average Ratio

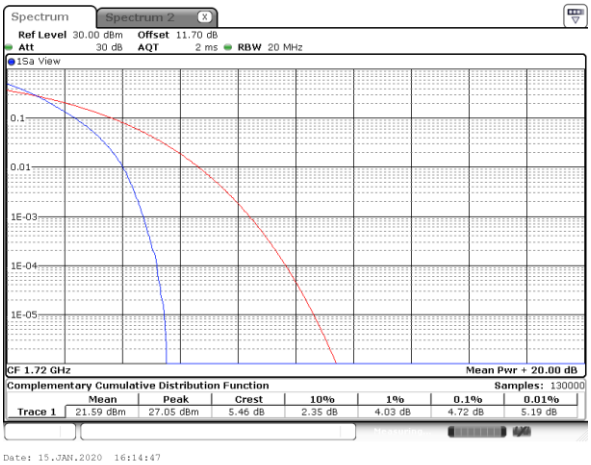
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	4.72	5.39	5.77	PASS
Middle CH	3.74	5.01	4.61	5.88	
Highest CH	3.59	5.04	5.36	5.86	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.28	5.77	-	-	PASS
Middle CH	4.64	5.83	-	-	
Highest CH	5.28	5.86	-	-	

LTE Band 66 / 20MHz / QPSK

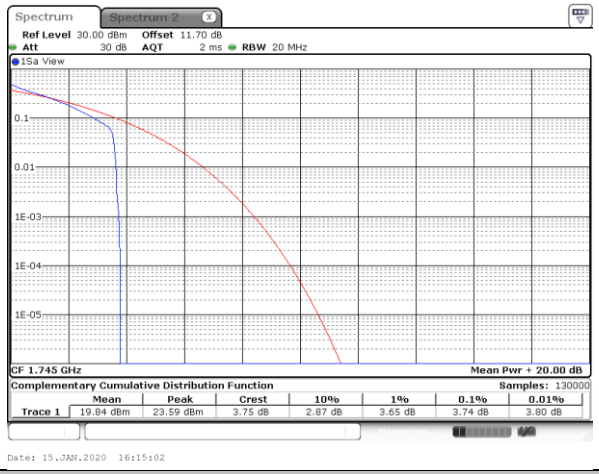
Lowest Channel / 1RB



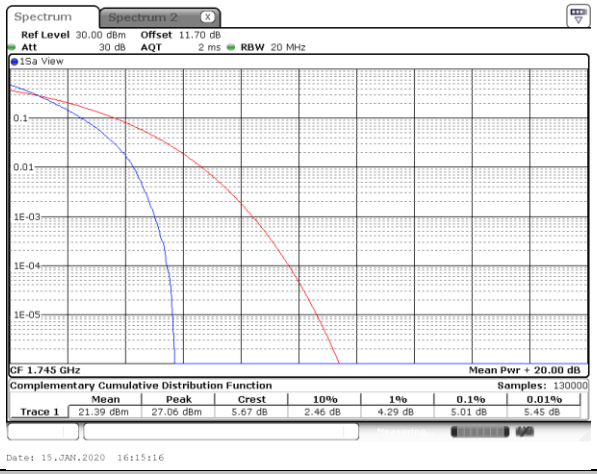
Lowest Channel / Full RB



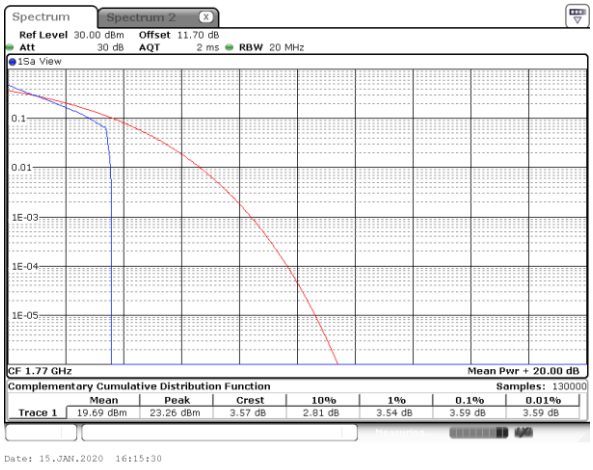
Middle Channel / 1RB



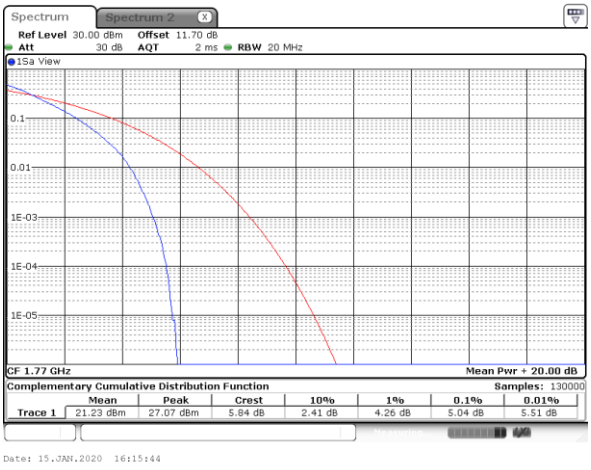
Middle Channel / Full RB



Highest Channel / 1RB

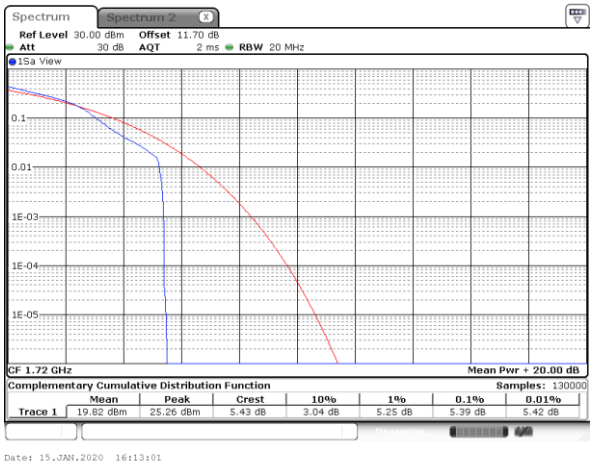


Highest Channel / Full RB

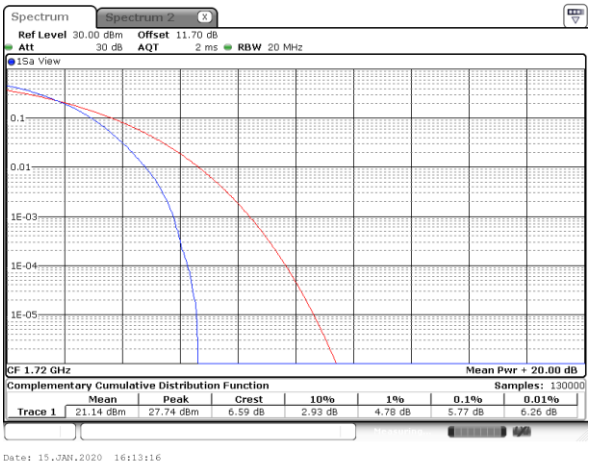


LTE Band 66 / 20MHz / 16QAM

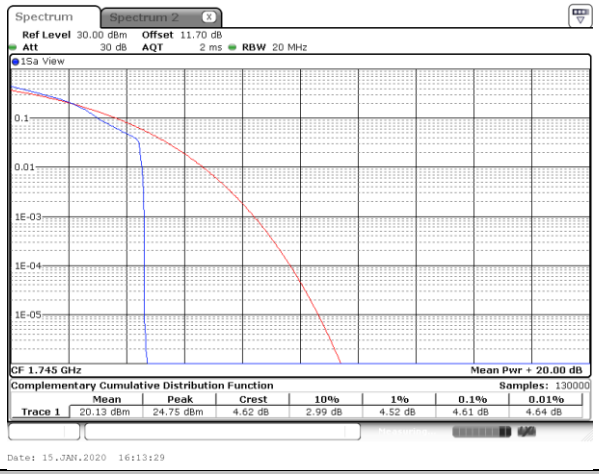
Lowest Channel / 1RB



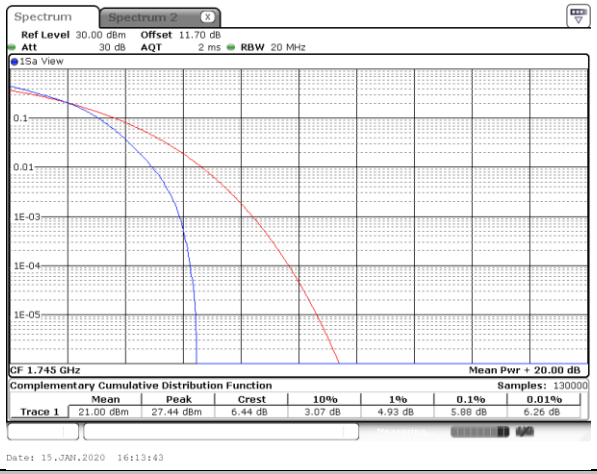
Lowest Channel / Full RB



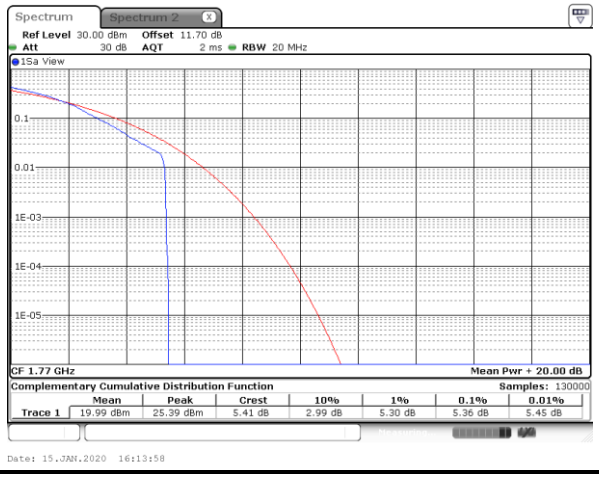
Middle Channel / 1RB



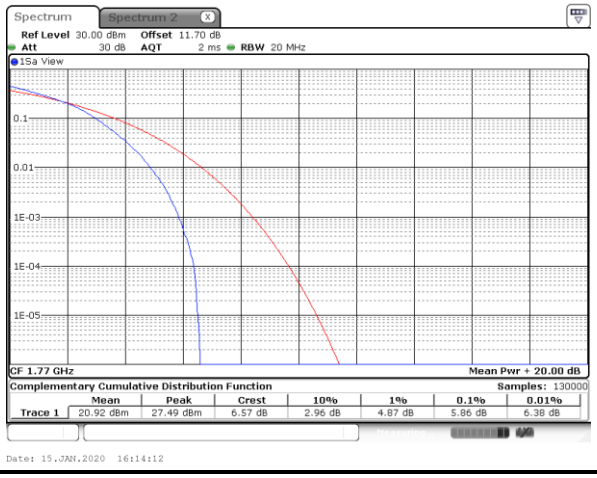
Middle Channel / Full RB



Highest Channel / 1RB

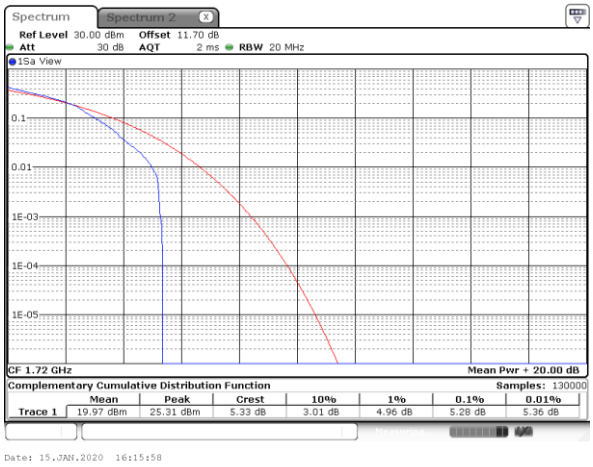


Highest Channel / Full RB

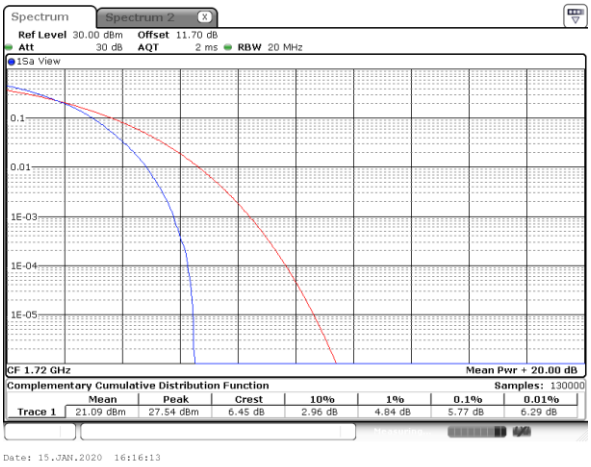


LTE Band 66 / 20MHz / 64QAM

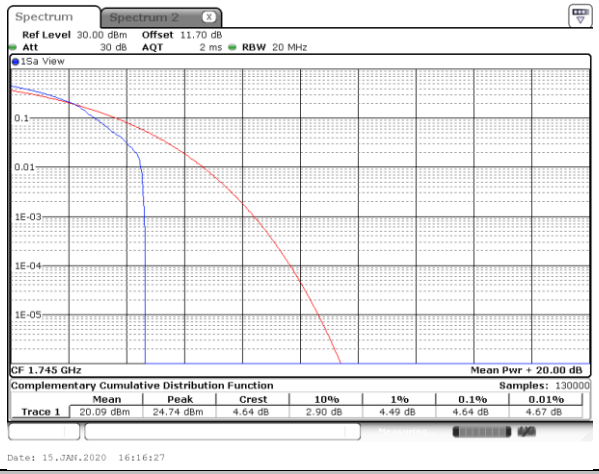
Lowest Channel / 1RB



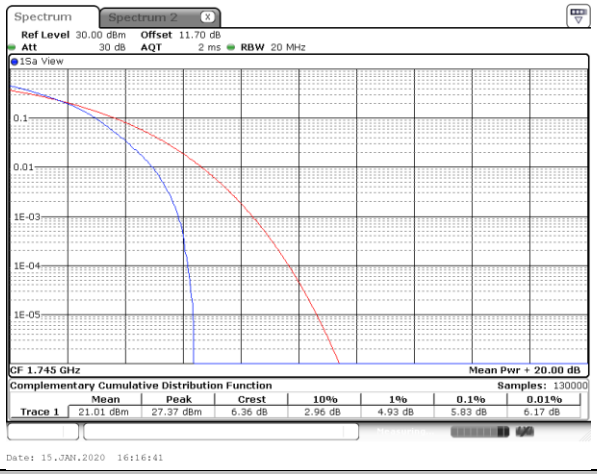
Lowest Channel / Full RB



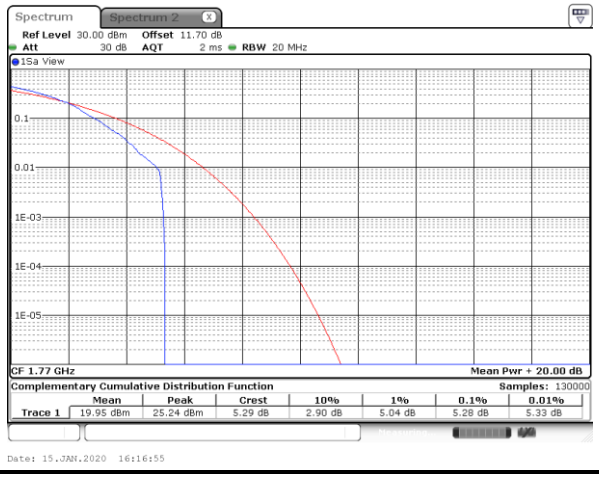
Middle Channel / 1RB



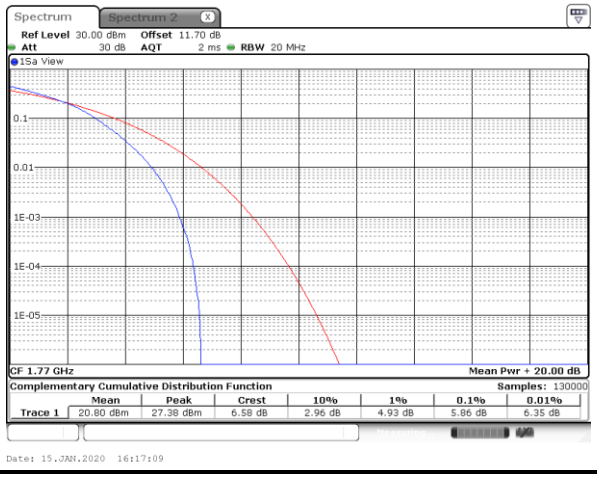
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

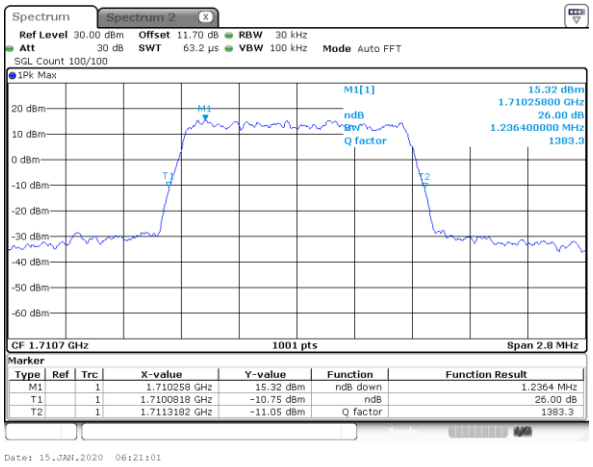


26dB Bandwidth

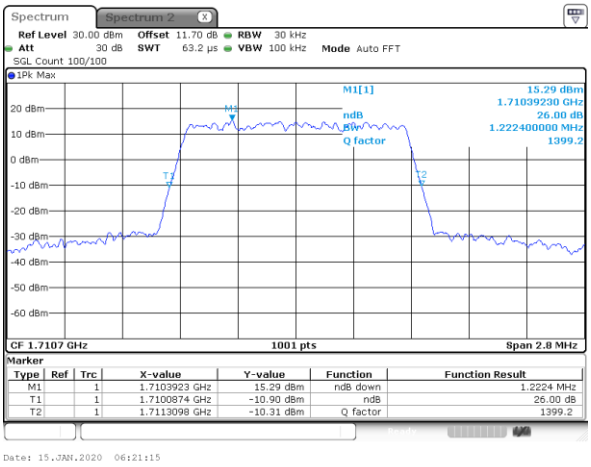
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.22	3.03	3.01	4.88	4.89	9.83	9.81	14.39	14.27	18.98	18.70
Middle CH	1.21	1.22	3.04	3.03	4.92	4.93	9.81	9.67	14.57	14.36	19.22	18.86
Highest CH	1.22	1.21	3.05	3.02	4.89	4.86	9.71	9.71	14.21	14.42	18.90	18.74
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.03	-	4.90	-	9.75	-	14.48	-	18.86	-
Middle CH	1.23	-	3.06	-	4.94	-	9.71	-	14.42	-	18.94	-
Highest CH	1.23	-	2.99	-	4.92	-	9.89	-	14.27	-	18.82	-

LTE Band 66

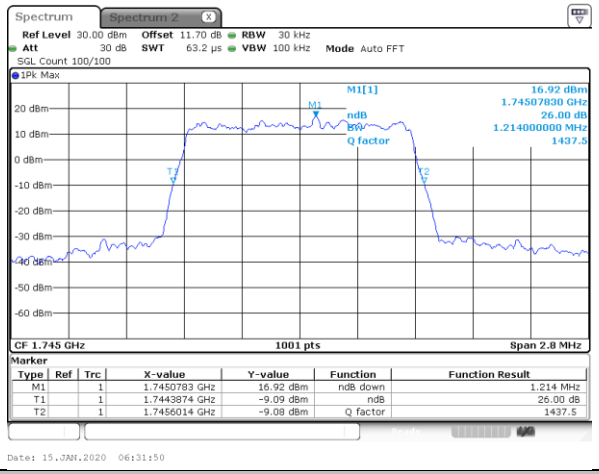
Lowest Channel / 1.4MHz / QPSK



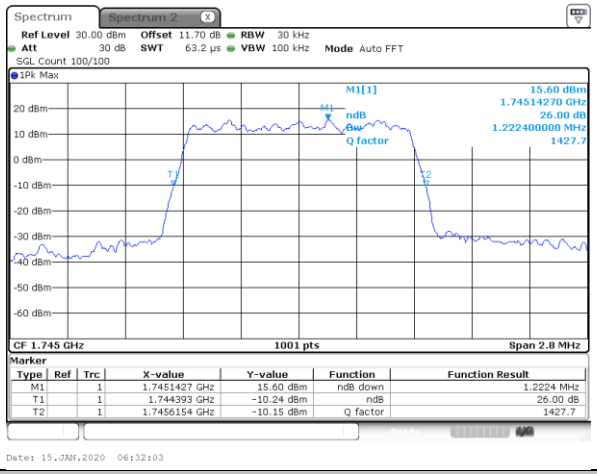
Lowest Channel / 1.4MHz / 16QAM



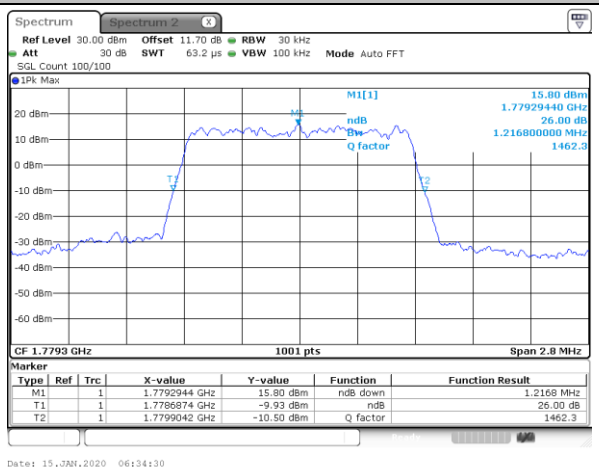
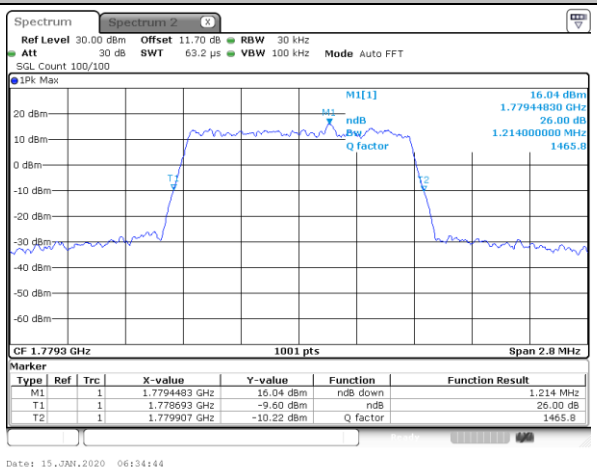
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM