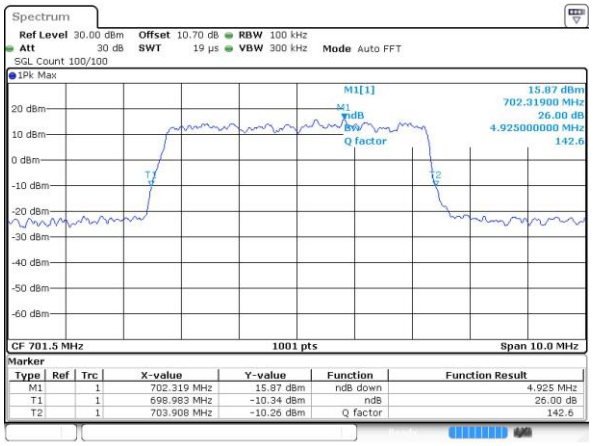
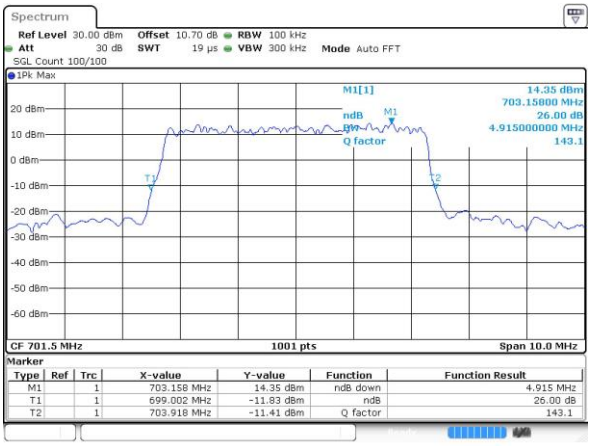
LTE Band 12

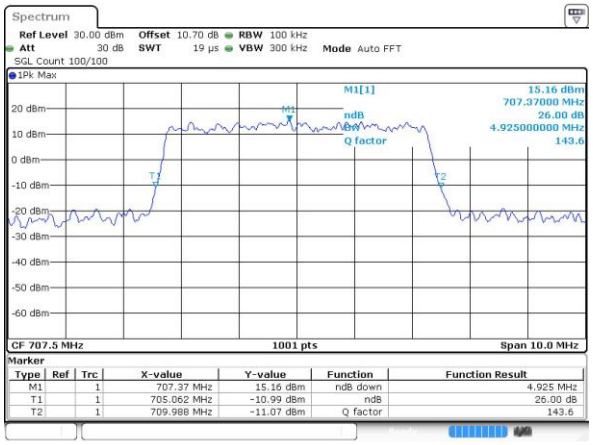
Lowest Channel / 5MHz / QPSK



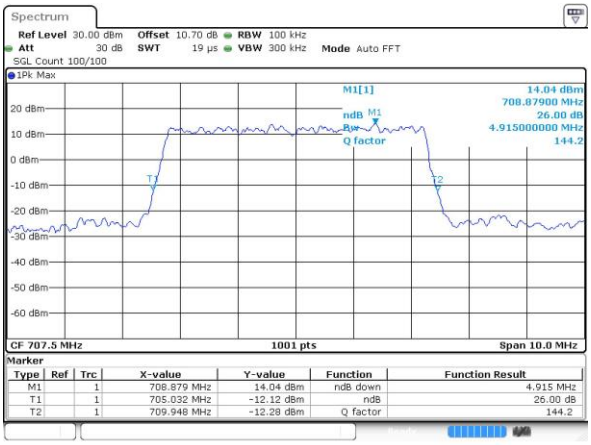
Lowest Channel / 5MHz / 16QAM



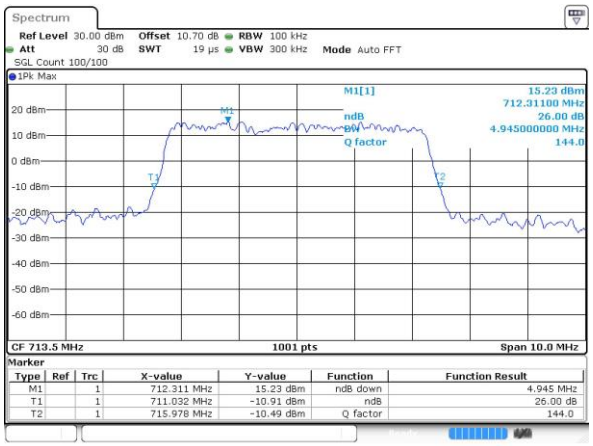
Middle Channel / 5MHz / QPSK



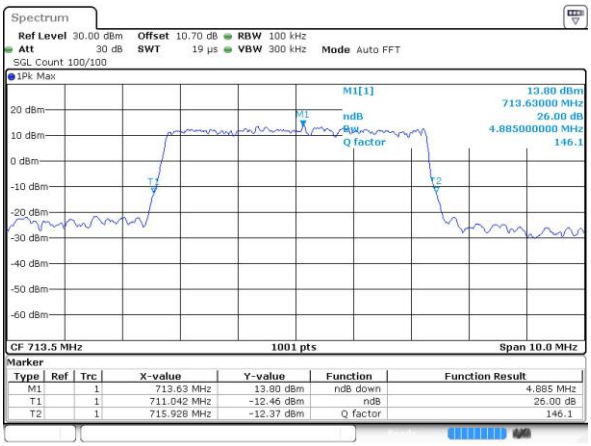
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

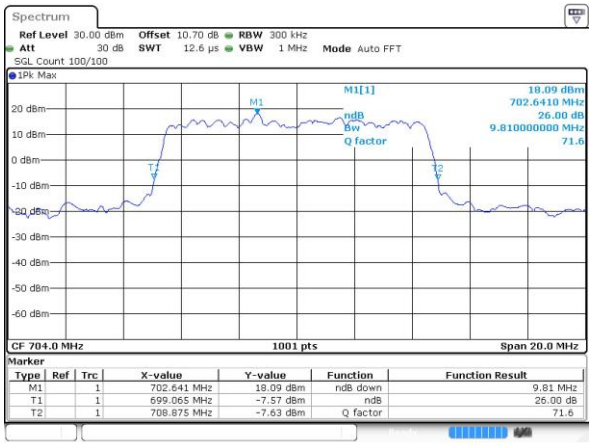


Highest Channel / 5MHz / 16QAM

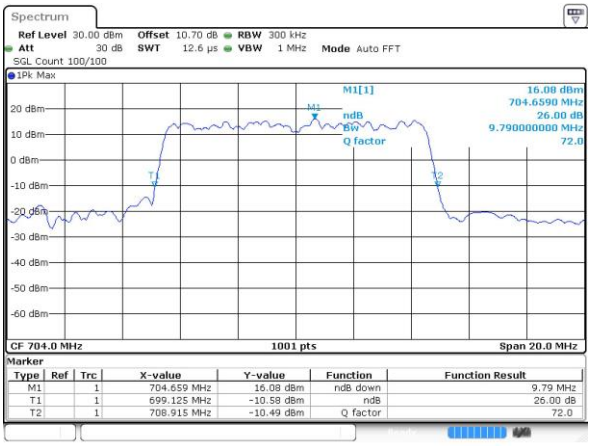


LTE Band 12

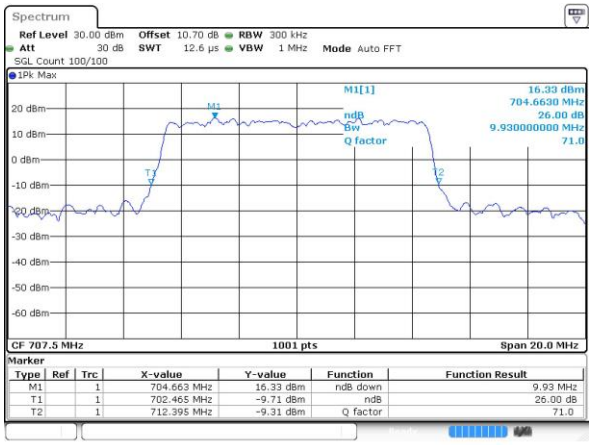
Lowest Channel / 10MHz / QPSK



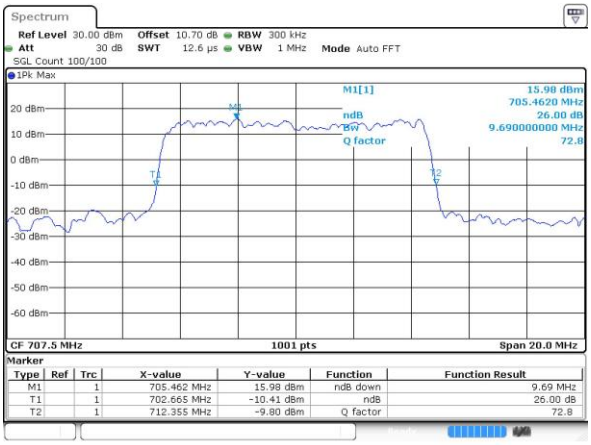
Lowest Channel / 10MHz / 16QAM



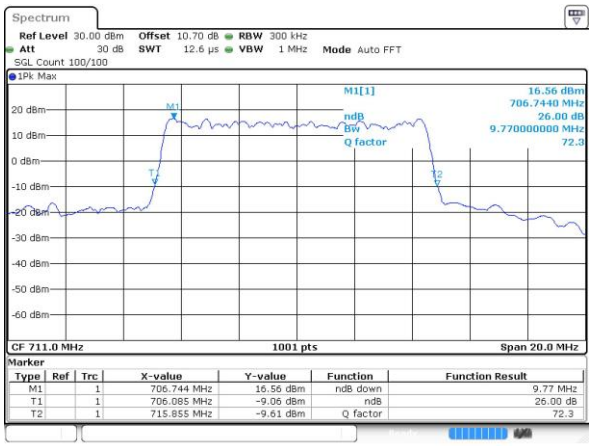
Middle Channel / 10MHz / QPSK



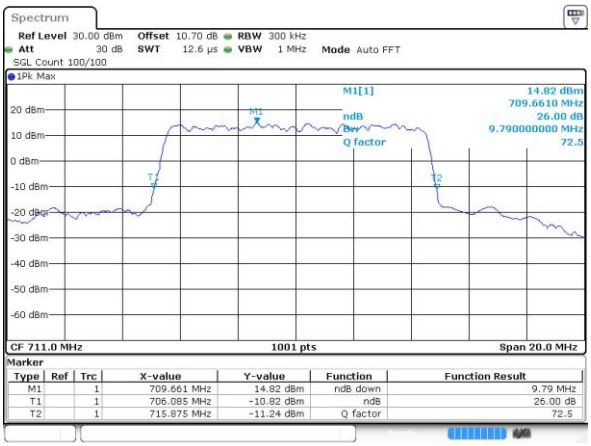
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

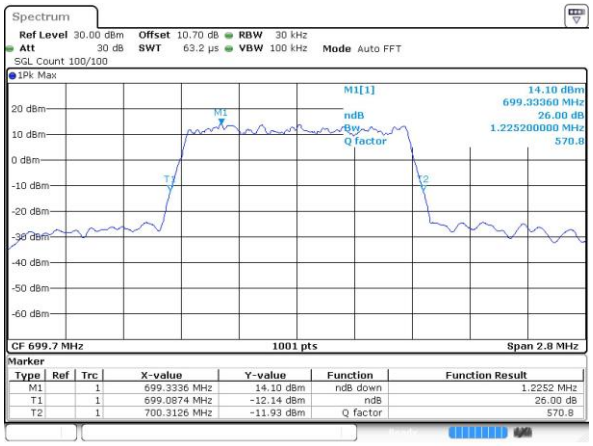


Highest Channel / 10MHz / 16QAM

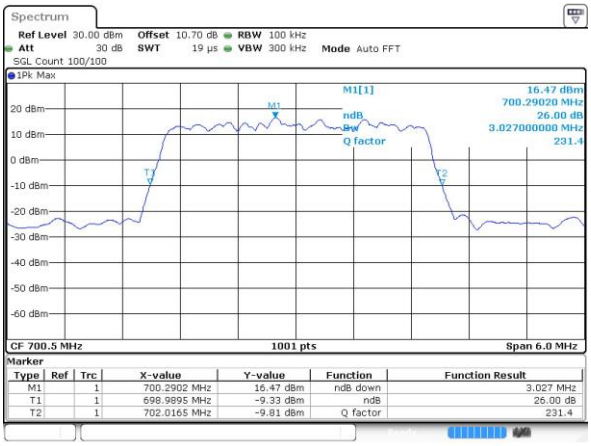


LTE Band 12

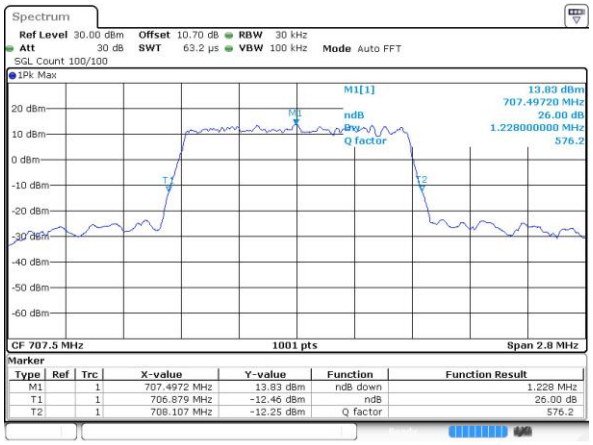
Lowest Channel / 1.4MHz / 64QAM



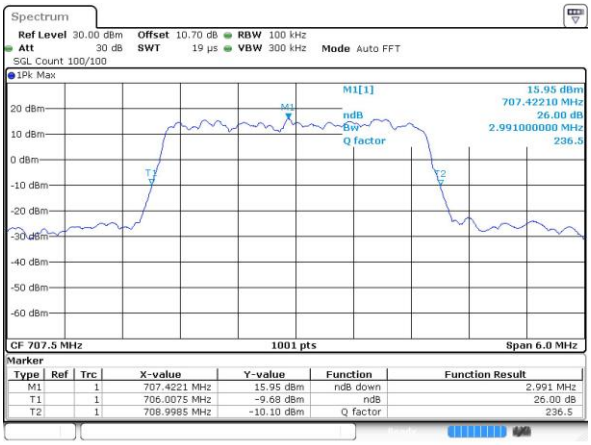
Lowest Channel / 3MHz / 64QAM



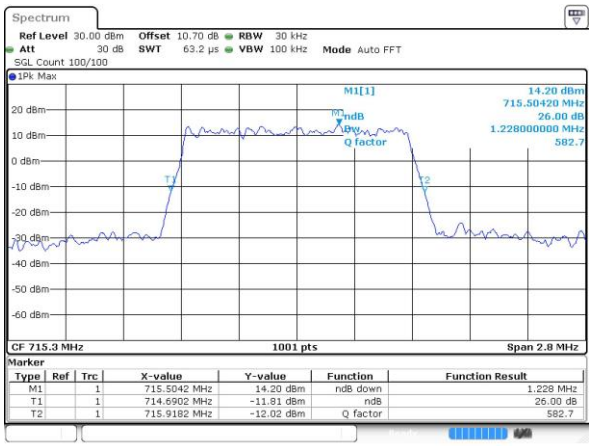
Middle Channel / 1.4MHz / 64QAM



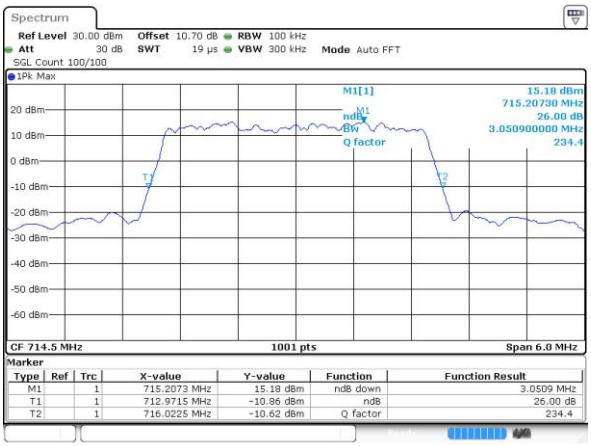
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

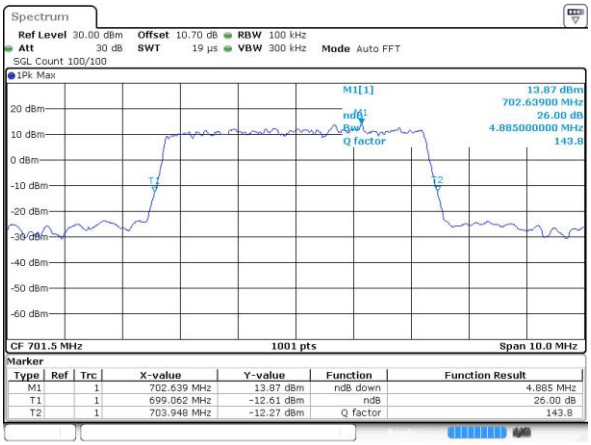


Highest Channel / 3MHz / 64QAM

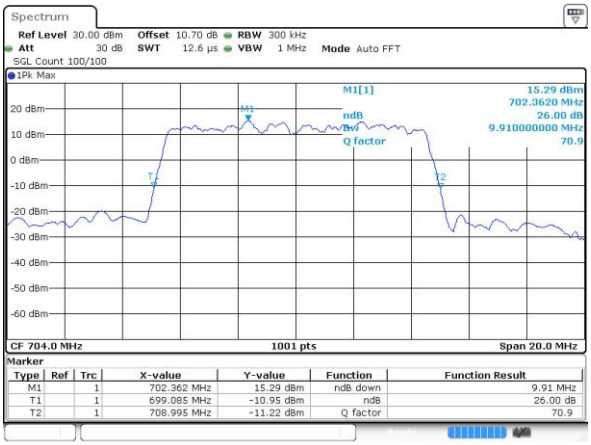


LTE Band 12

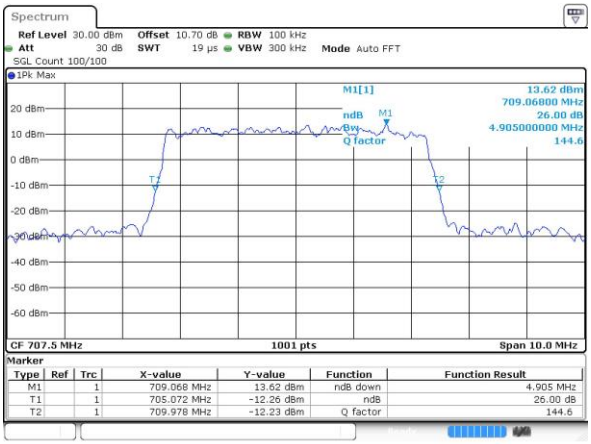
Lowest Channel / 5MHz / 64QAM



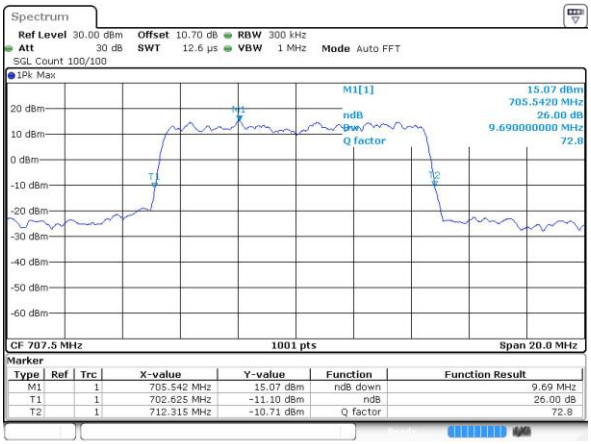
Lowest Channel / 10MHz / 64QAM



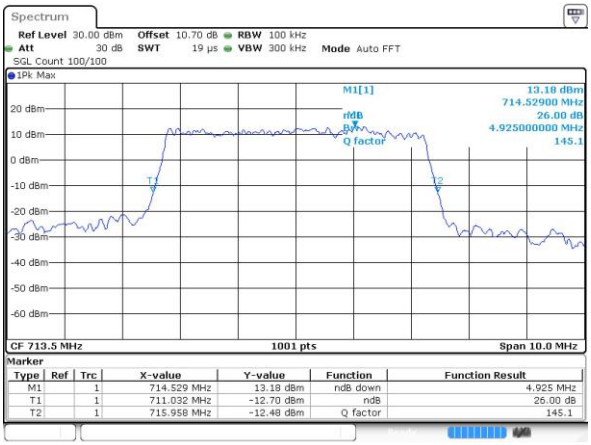
Middle Channel / 5MHz / 64QAM



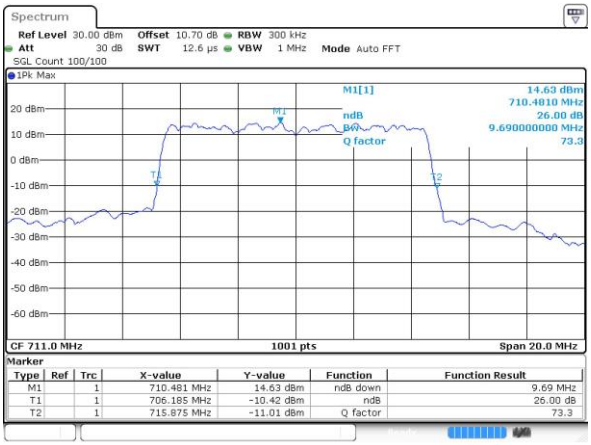
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

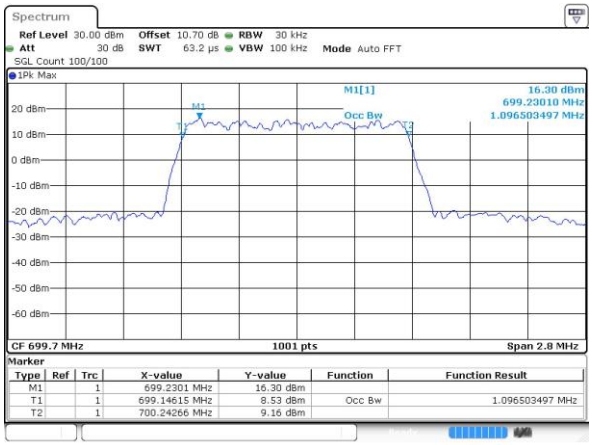


Occupied Bandwidth

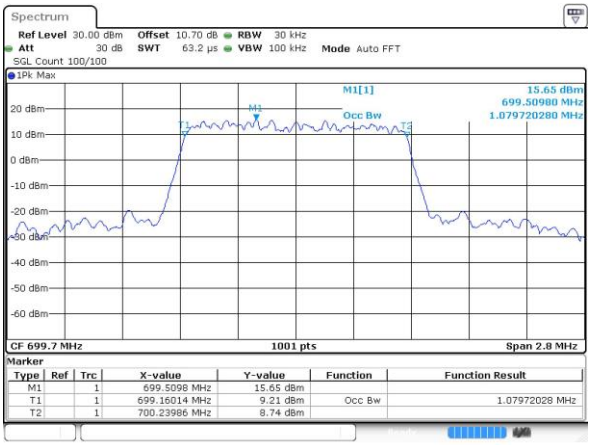
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.08	2.72	2.7	4.47	4.51	9.05	9.05	-	-	-	-
Middle CH	1.09	1.09	2.71	2.73	4.47	4.5	9.09	9.05	-	-	-	-
Highest CH	1.1	1.08	2.71	2.7	4.48	4.5	9.03	8.99	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.71	-	4.50	-	9.01	-	-	-	-	-
Middle CH	1.09	-	2.70	-	4.49	-	9.01	-	-	-	-	-
Highest CH	1.09	-	2.71	-	4.49	-	9.09	-	-	-	-	-

LTE Band 12

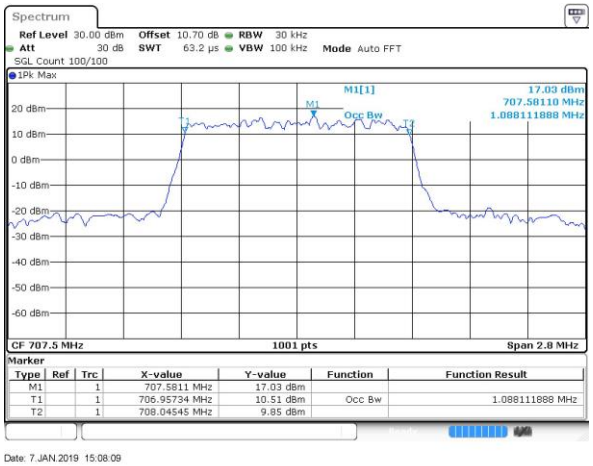
Lowest Channel / 1.4MHz / QPSK



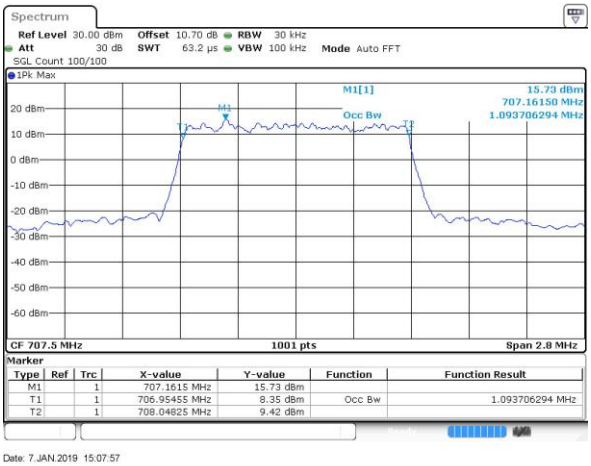
Lowest Channel / 1.4MHz / 16QAM



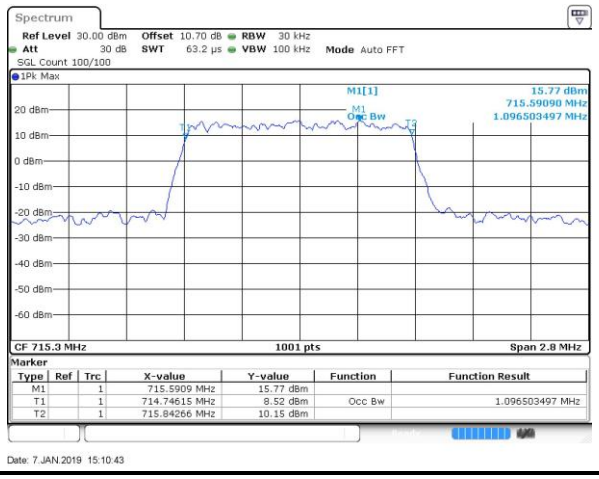
Middle Channel / 1.4MHz / QPSK



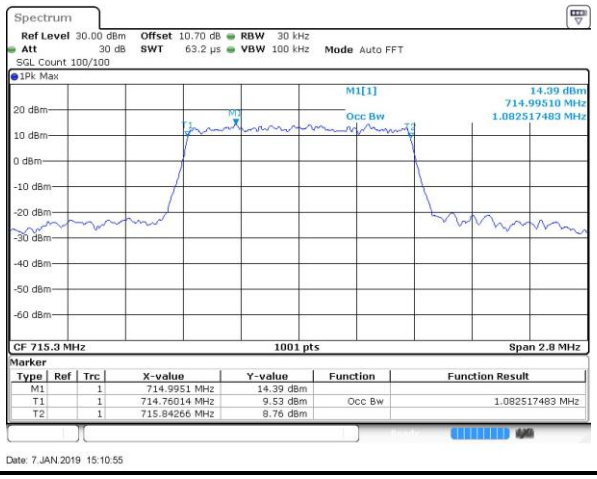
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

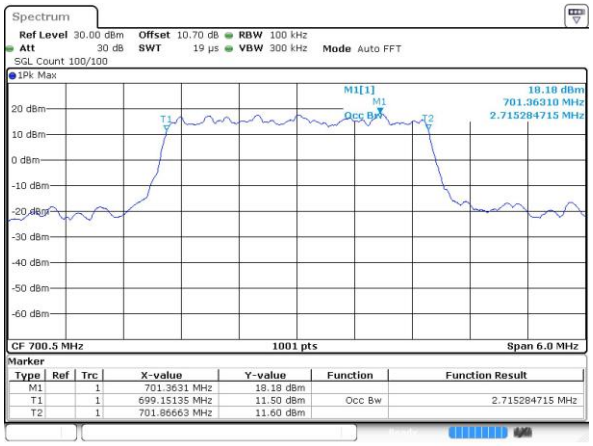


Highest Channel / 1.4MHz / 16QAM



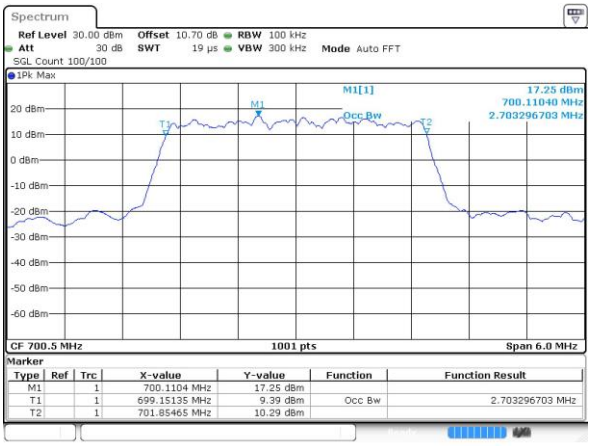
LTE Band 12

Lowest Channel / 3MHz / QPSK



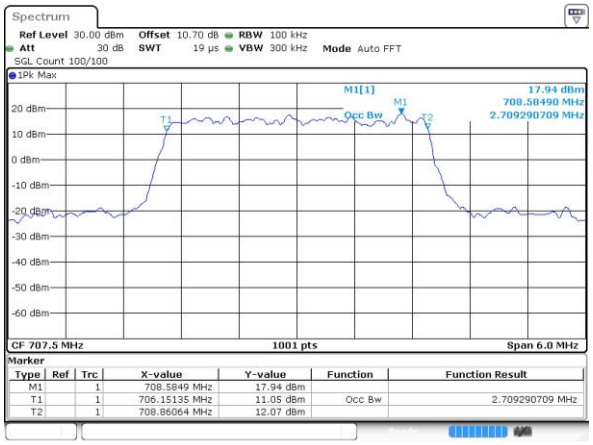
Date: 7.JAN.2019 14:08:18

Lowest Channel / 3MHz / 16QAM



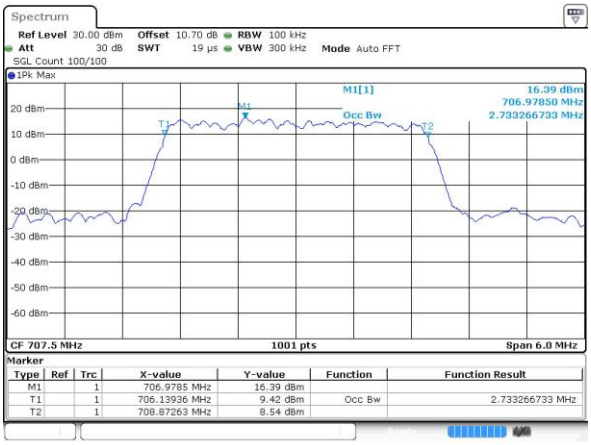
Date: 7.JAN.2019 14:08:29

Middle Channel / 3MHz / QPSK



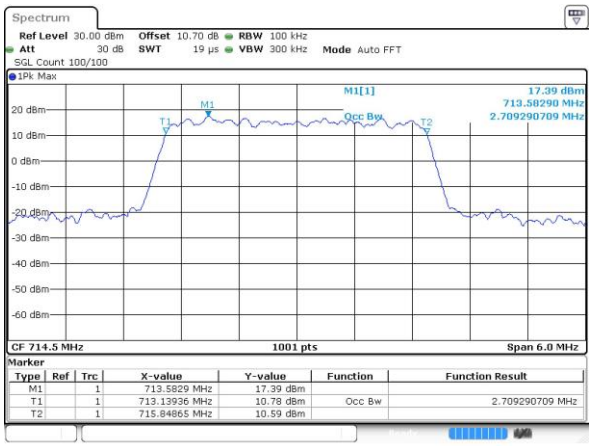
Date: 7.JAN.2019 14:15:16

Middle Channel / 3MHz / 16QAM



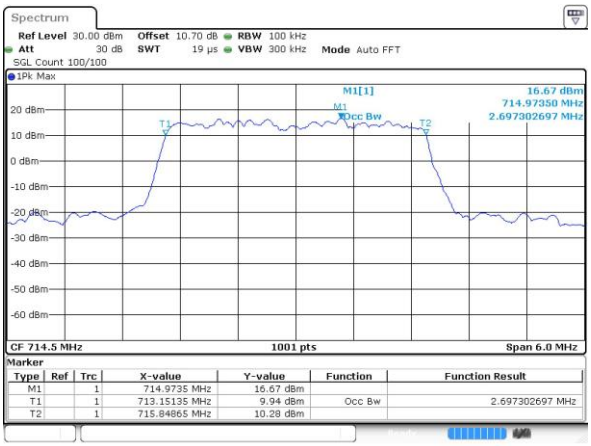
Date: 7.JAN.2019 14:15:05

Highest Channel / 3MHz / QPSK



Date: 7.JAN.2019 14:17:51

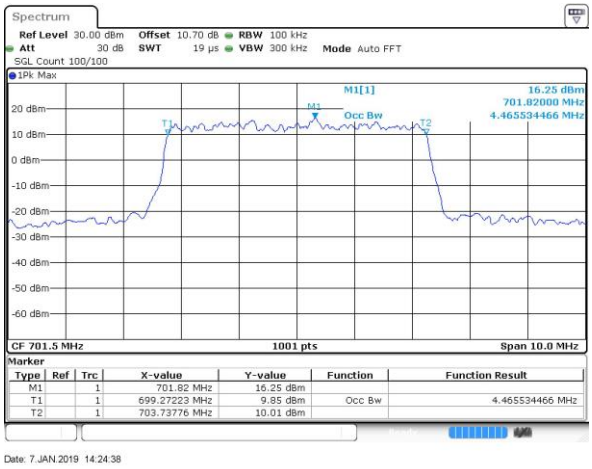
Highest Channel / 3MHz / 16QAM



Date: 7.JAN.2019 14:18:02

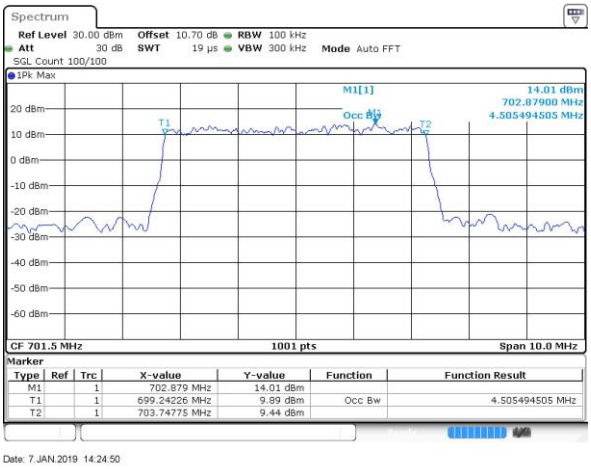
LTE Band 12

Lowest Channel / 5MHz / QPSK



Date: 7.JAN.2019 14:24:38

Lowest Channel / 5MHz / 16QAM



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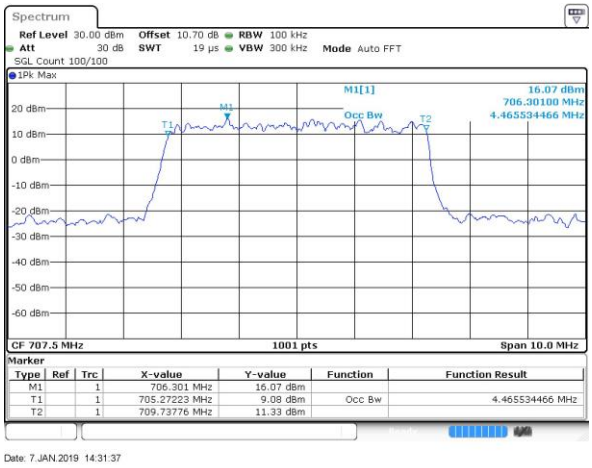
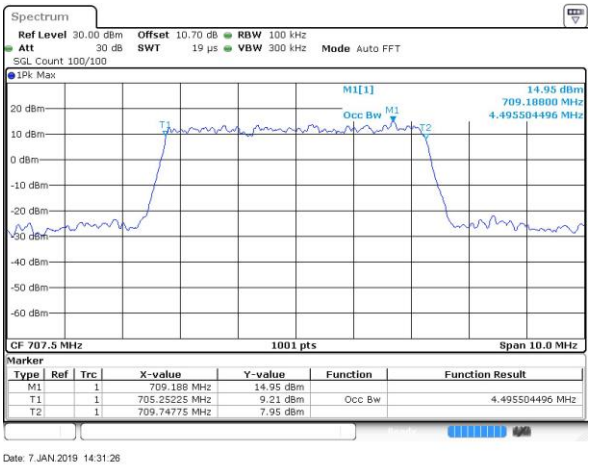
Middle Channel / 5MHz / QPSK



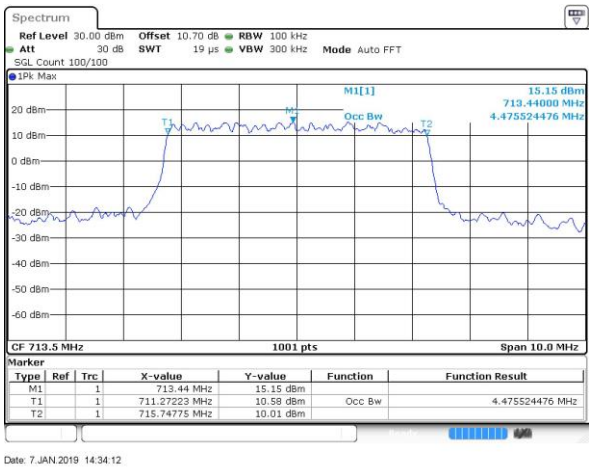
Date: 7.JAN.2019 14:31:37

Middle Channel / 5MHz / 16QAM



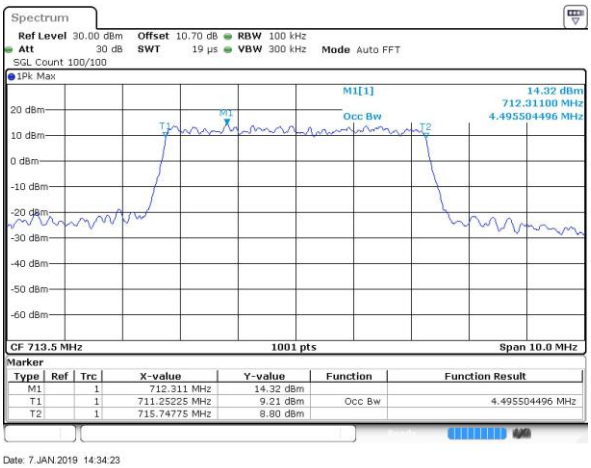
Date: 7.JAN.2019 14:31:26

Highest Channel / 5MHz / QPSK



Date: 7.JAN.2019 14:34:12

Highest Channel / 5MHz / 16QAM



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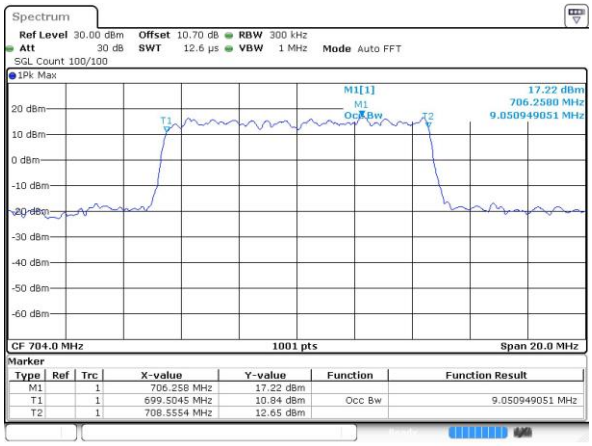
LTE Band 12

Lowest Channel / 10MHz / QPSK



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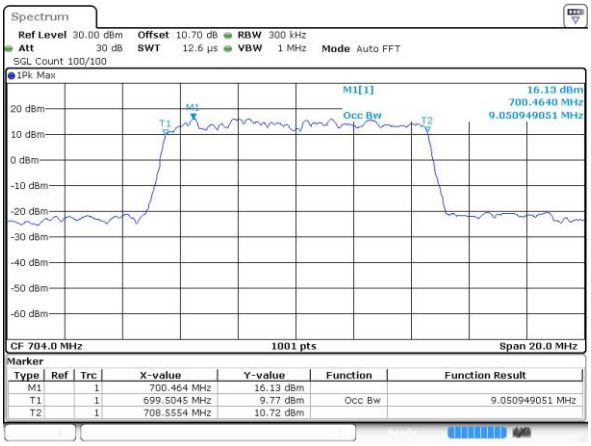
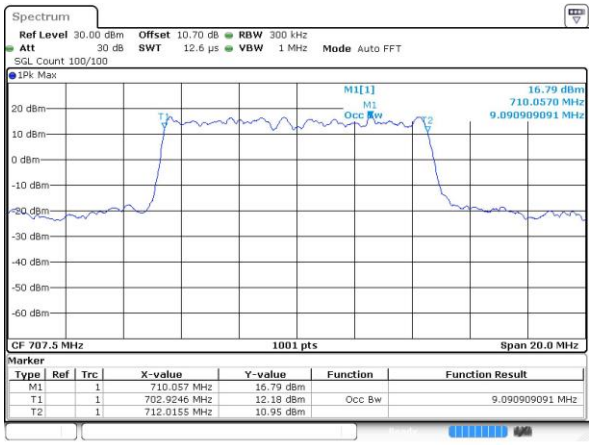
Lowest Channel / 10MHz / 16QAM



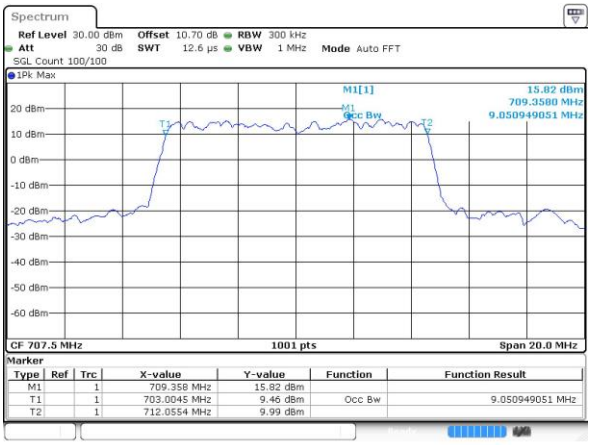
Date: 7.JAN.2019 14:41:10

Middle Channel / 10MHz / QPSK



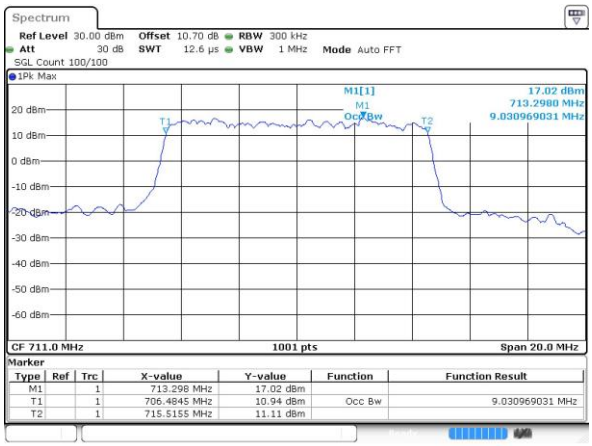
Date: 7.JAN.2019 14:47:57

Middle Channel / 10MHz / 16QAM



Date: 7.JAN.2019 14:47:46

Highest Channel / 10MHz / QPSK



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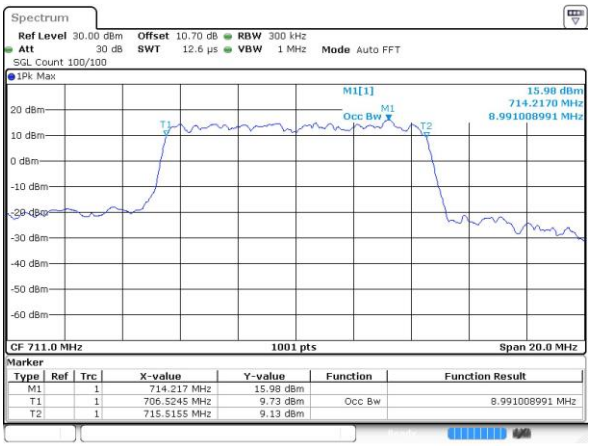
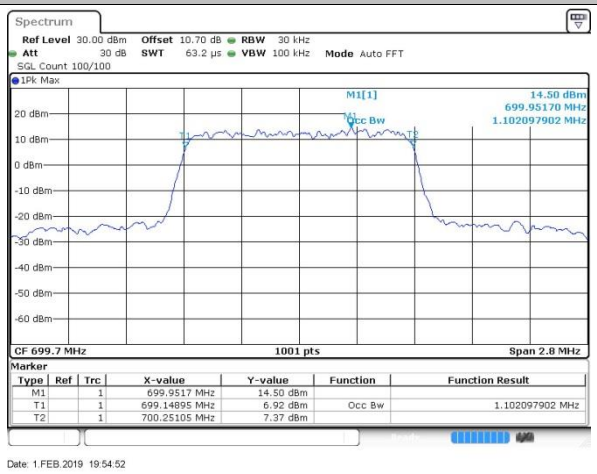
Highest Channel / 10MHz / 16QAM



Date: 7.JAN.2019 14:50:44

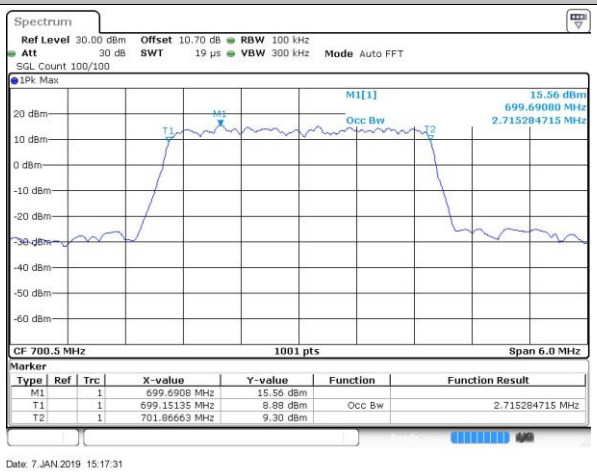
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



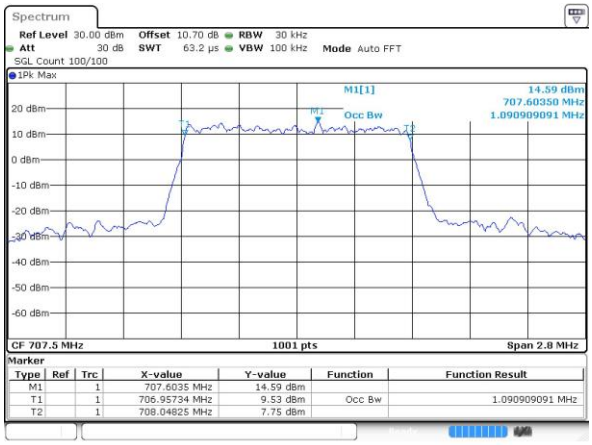
Date: 1.FEB.2019 19:54:52

Lowest Channel / 3MHz / 64QAM



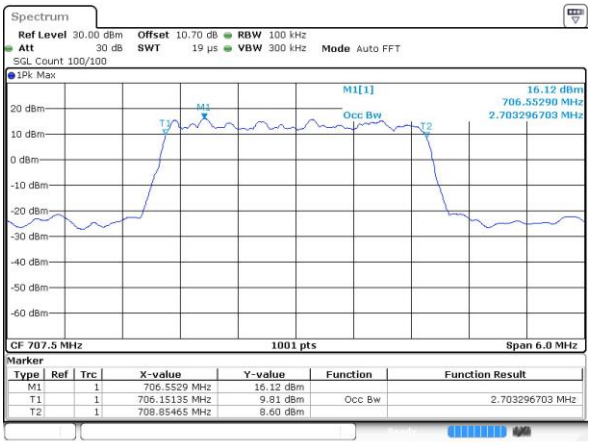
Date: 7.JAN.2019 15:17:31

Middle Channel / 1.4MHz / 64QAM



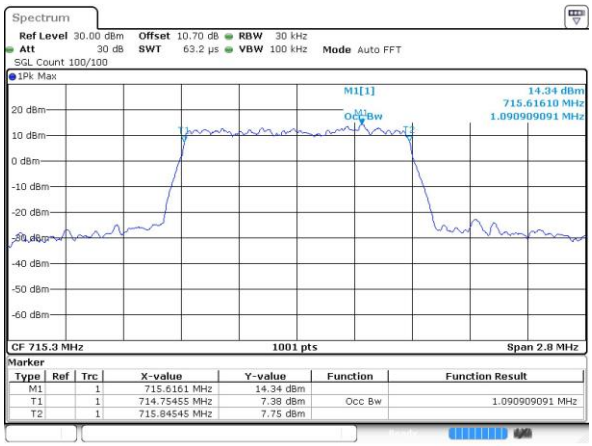
Date: 7.JAN.2019 16:05:31

Middle Channel / 3MHz / 64QAM



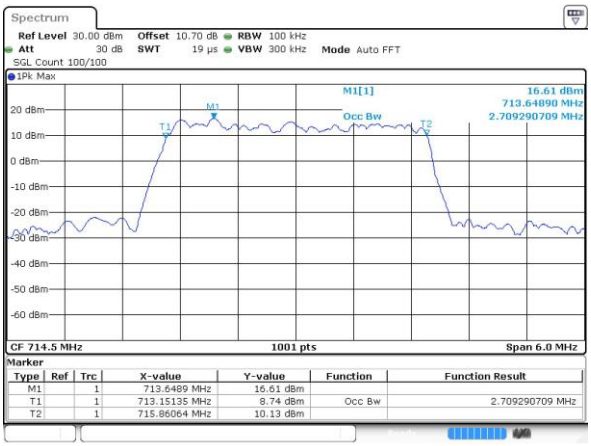
Date: 7.JAN.2019 15:20:54

Highest Channel / 1.4MHz / 64QAM



Date: 7.JAN.2019 16:06:54

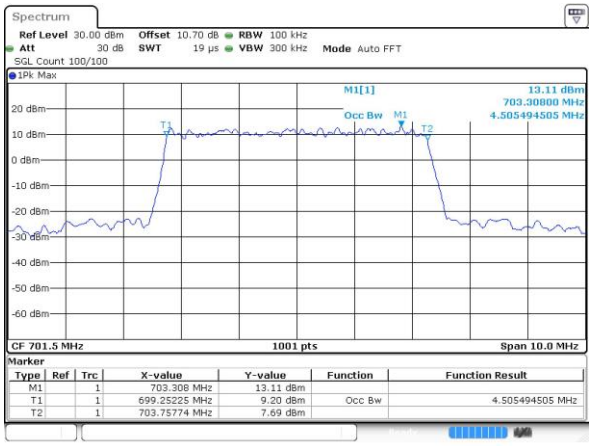
Highest Channel / 3MHz / 64QAM



Date: 7.JAN.2019 15:22:17

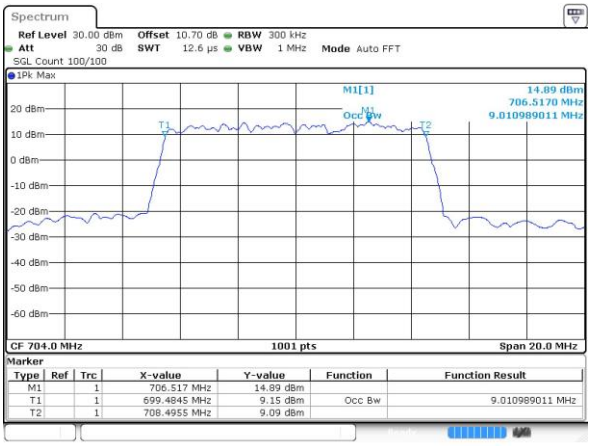
LTE Band 12

Lowest Channel / 5MHz / 64QAM



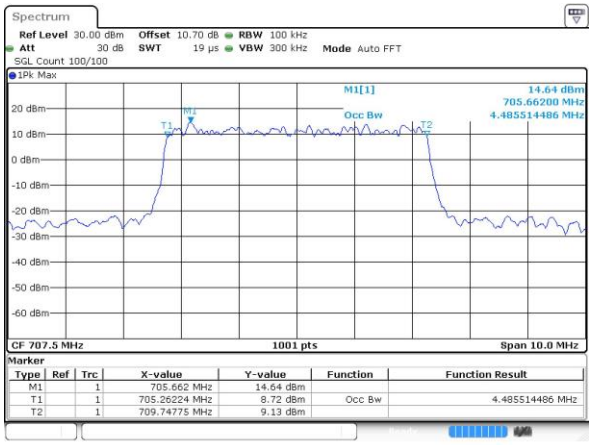
Date: 7.JAN.2019 15:25:41

Lowest Channel / 10MHz / 64QAM



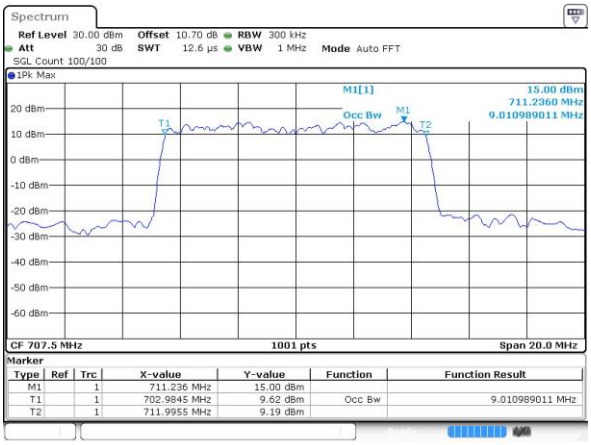
Date: 7.JAN.2019 15:33:51

Middle Channel / 5MHz / 64QAM



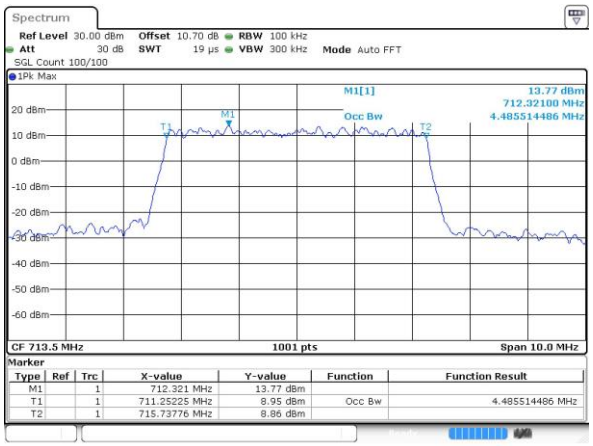
Date: 7.JAN.2019 15:29:04

Middle Channel / 10MHz / 64QAM



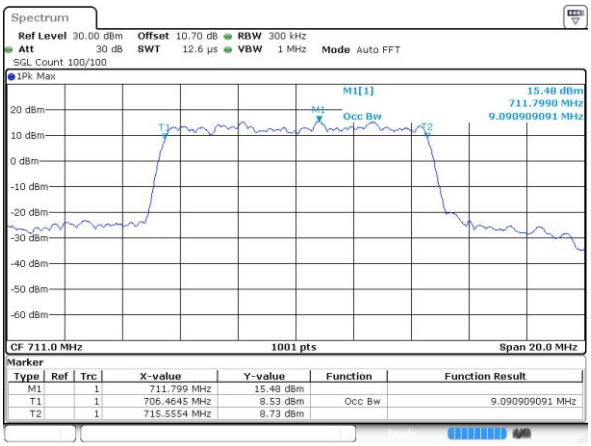
Date: 7.JAN.2019 15:37:14

Highest Channel / 5MHz / 64QAM



Date: 7.JAN.2019 15:30:27

Highest Channel / 10MHz / 64QAM



Date: 7.JAN.2019 15:38:38

Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

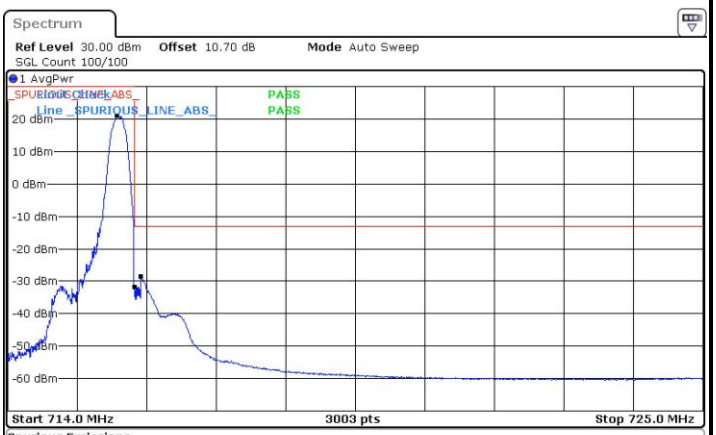
Lowest Band Edge / 1 RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.35 dBm	-15.35 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99925 MHz	-30.59 dBm	-17.59 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.27473 MHz	21.10 dBm	-8.90 dB

Date: 7.JAN.2019 15:05:45

Highest Band Edge / 1RB

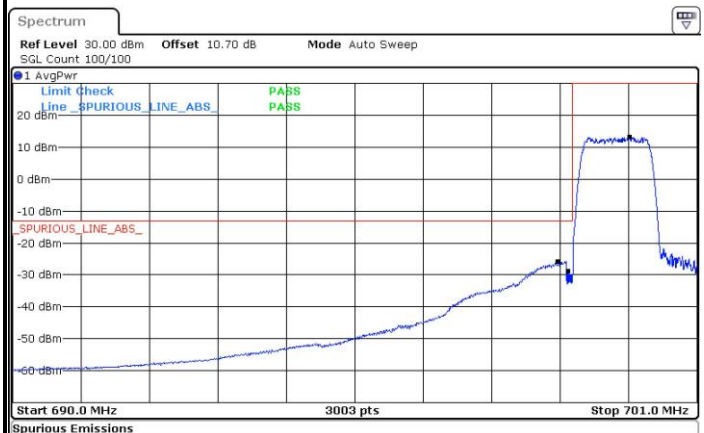


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.72328 MHz	20.95 dBm	-9.05 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00175 MHz	-31.73 dBm	-18.73 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.63 dBm	-15.63 dB

Date: 7.JAN.2019 15:15:18

Lowest Band Edge / Full RB

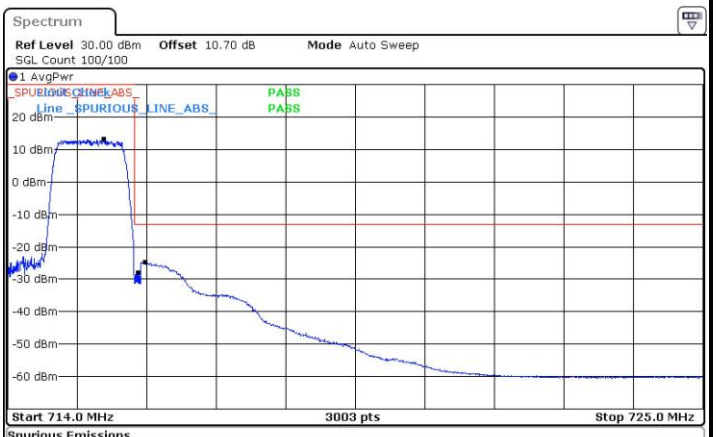


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.76219 MHz	-25.89 dBm	-12.89 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.92233 MHz	-28.87 dBm	-15.87 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.91209 MHz	13.13 dBm	-16.87 dB

Date: 7.JAN.2019 15:02:44

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.51349 MHz	13.12 dBm	-16.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.06758 MHz	-28.00 dBm	-15.00 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.16668 MHz	-24.68 dBm	-11.68 dB

Date: 7.JAN.2019 15:12:17

LTE Band 12 / 1.4MHz / 16QAM

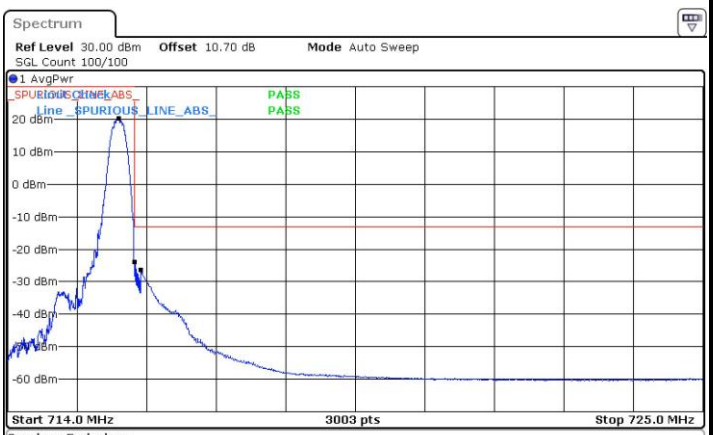
Lowest Band Edge / 1 RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.98 dBm	-12.98 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99525 MHz	-23.53 dBm	-10.53 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.24675 MHz	20.57 dBm	-9.43 dB

Date: 7.JAN.2019 15:04:45

Highest Band Edge / 1 RB

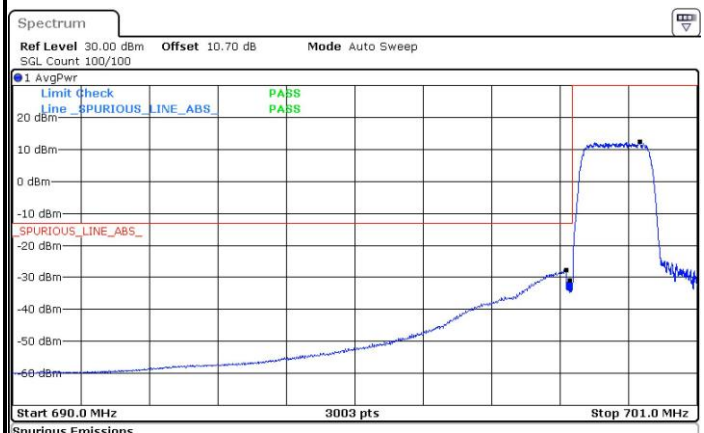


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.76124 MHz	20.16 dBm	-9.84 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00225 MHz	-24.05 dBm	-11.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.25 dBm	-13.25 dB

Date: 7.JAN.2019 15:14:18

Lowest Band Edge / Full RB

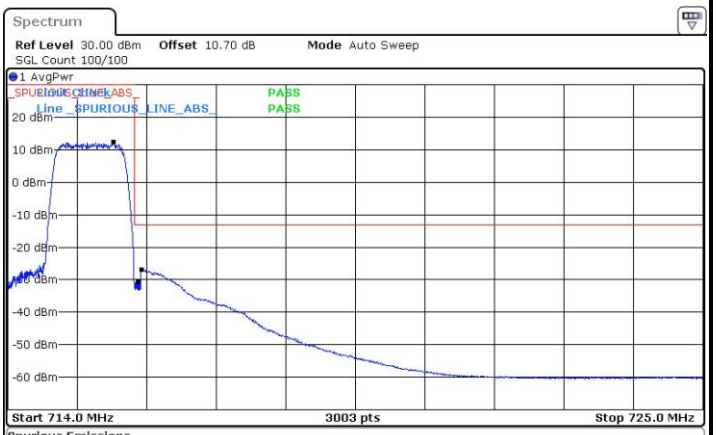


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.64 dBm	-14.64 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.95090 MHz	-31.09 dBm	-18.09 dB
699.000 MHz	701.000 MHz	100.000 kHz	700.07792 MHz	12.29 dBm	-17.71 dB

Date: 7.JAN.2019 15:03:45

Highest Band Edge / Full RB



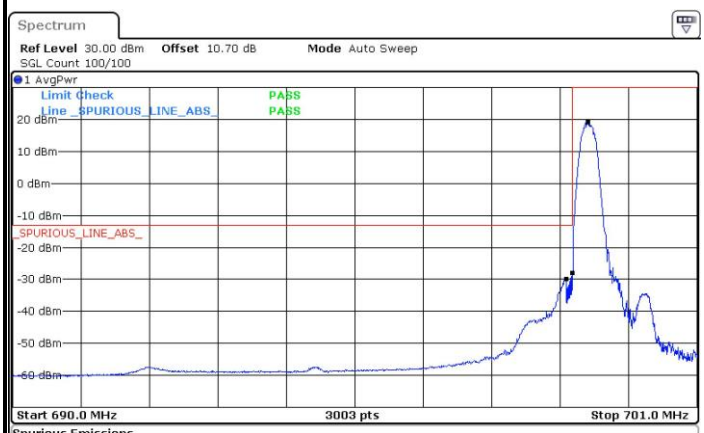
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.67333 MHz	12.34 dBm	-17.66 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.05689 MHz	-30.59 dBm	-17.59 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-26.96 dBm	-13.96 dB

Date: 7.JAN.2019 15:13:18

LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

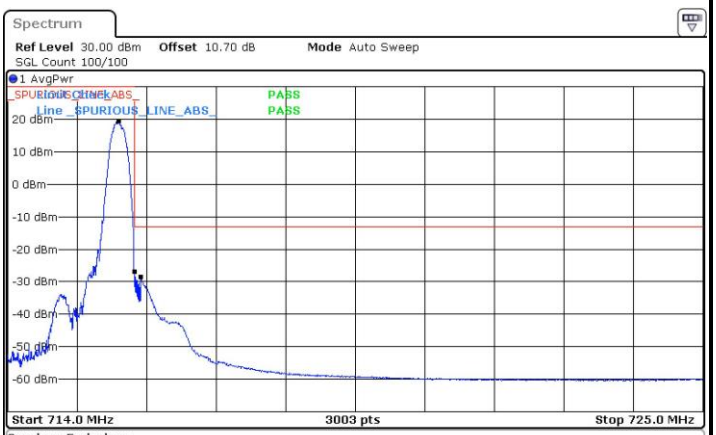


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-29.94 dBm	-16.94 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99965 MHz	-27.91 dBm	-14.91 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.24076 MHz	19.29 dBm	-10.71 dB

Date: 7.JAN.2019 16:04:19

Highest Band Edge / 1 RB

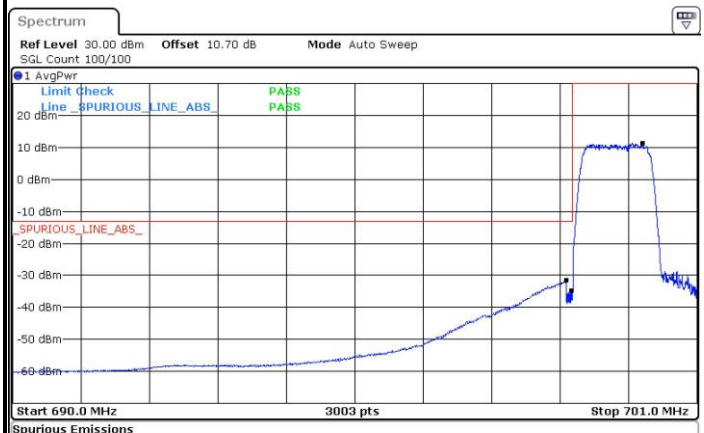


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.75724 MHz	19.44 dBm	-10.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00415 MHz	-27.04 dBm	-14.04 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.47 dBm	-15.47 dB

Date: 7.JAN.2019 16:09:06

Lowest Band Edge / Full RB

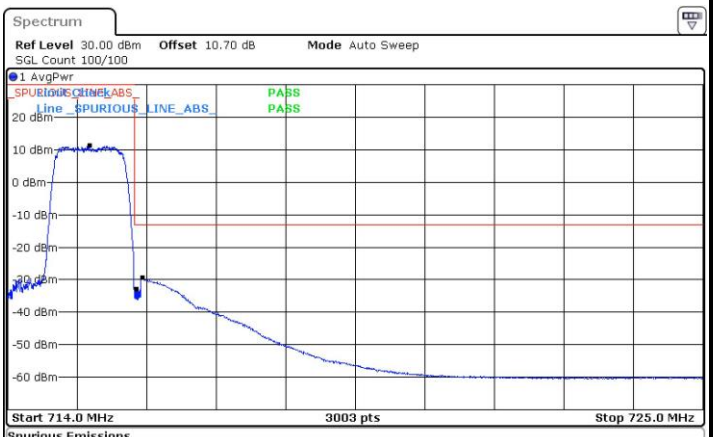


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.58 dBm	-18.58 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97378 MHz	-34.88 dBm	-21.88 dB
699.000 MHz	701.000 MHz	100.000 kHz	700.11788 MHz	11.37 dBm	-18.63 dB

Date: 7.JAN.2019 16:03:19

Highest Band Edge / Full RB



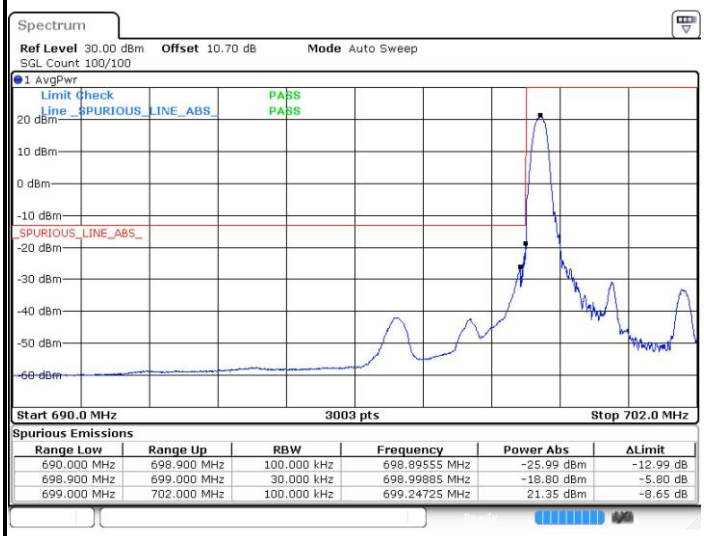
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.29371 MHz	11.25 dBm	-18.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.03082 MHz	-32.91 dBm	-19.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-29.43 dBm	-16.43 dB

Date: 7.JAN.2019 16:08:06

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

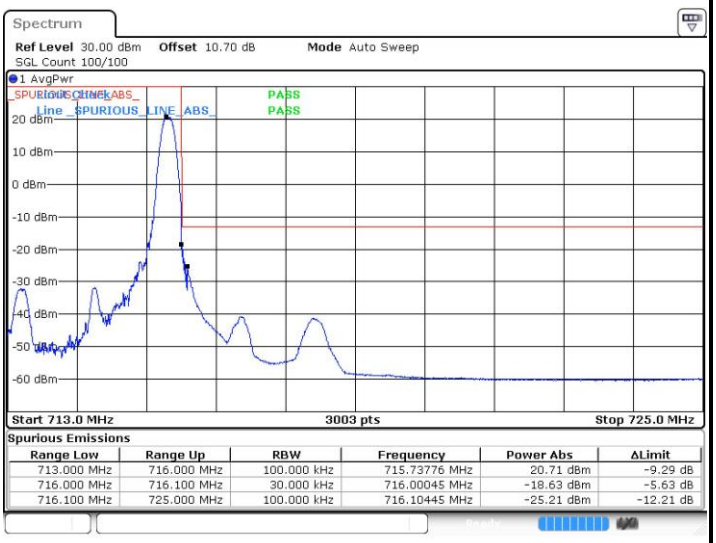


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.99 dBm	-12.99 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99885 MHz	-18.80 dBm	-5.80 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24725 MHz	21.35 dBm	-8.65 dB

Date: 7.JAN.2019 14:12:53

Highest Band Edge / 1 RB

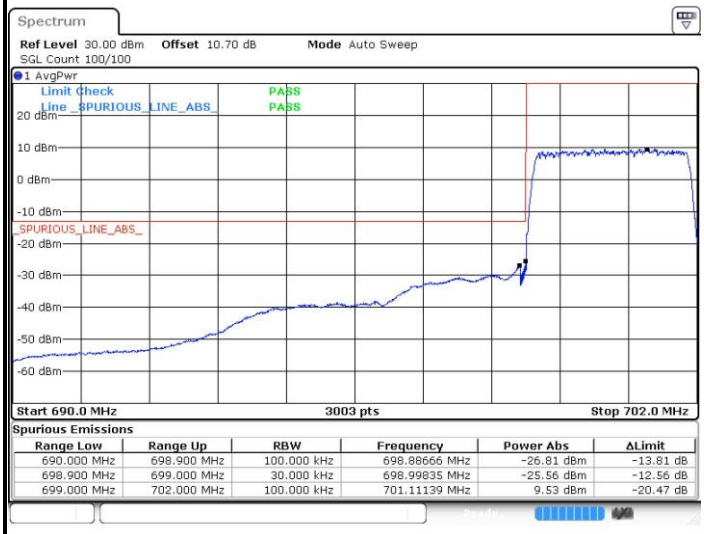


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.73776 MHz	20.71 dBm	-9.29 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-18.63 dBm	-5.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.21 dBm	-12.21 dB

Date: 7.JAN.2019 14:22:26

Lowest Band Edge / Full RB

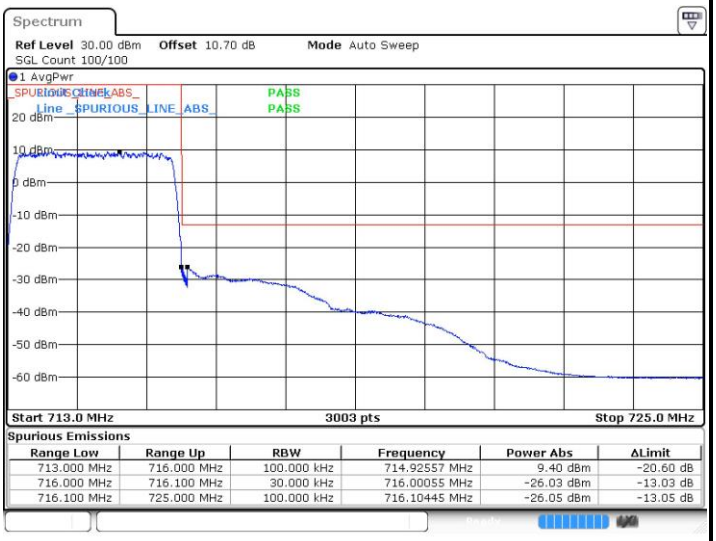


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-26.81 dBm	-13.81 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-25.56 dBm	-12.56 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.11139 MHz	9.53 dBm	-20.47 dB

Date: 7.JAN.2019 14:09:52

Highest Band Edge / Full RB



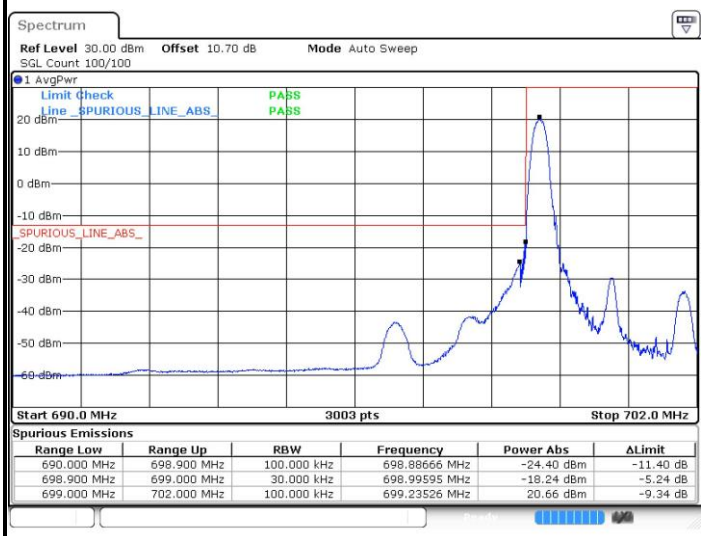
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.92557 MHz	9.40 dBm	-20.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-26.03 dBm	-13.03 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.05 dBm	-13.05 dB

Date: 7.JAN.2019 14:19:25

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

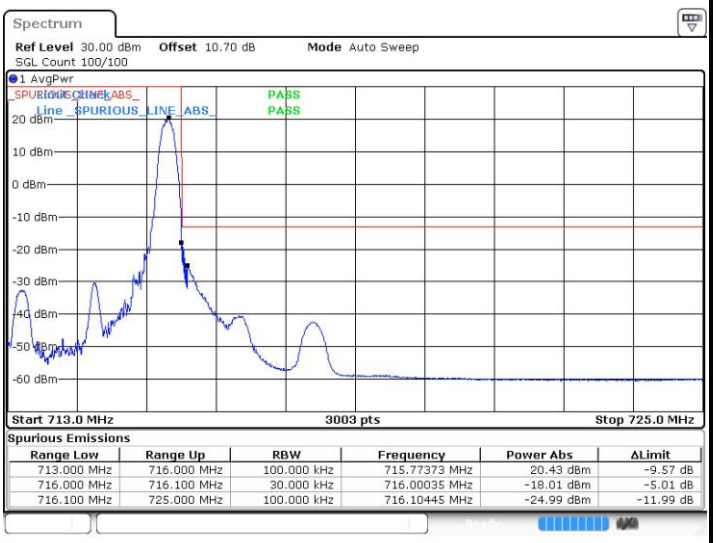


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-24.40 dBm	-11.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99595 MHz	-18.24 dBm	-5.24 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23526 MHz	20.66 dBm	-9.34 dB

Date: 7.JAN.2019 14:11:52

Highest Band Edge / 1 RB

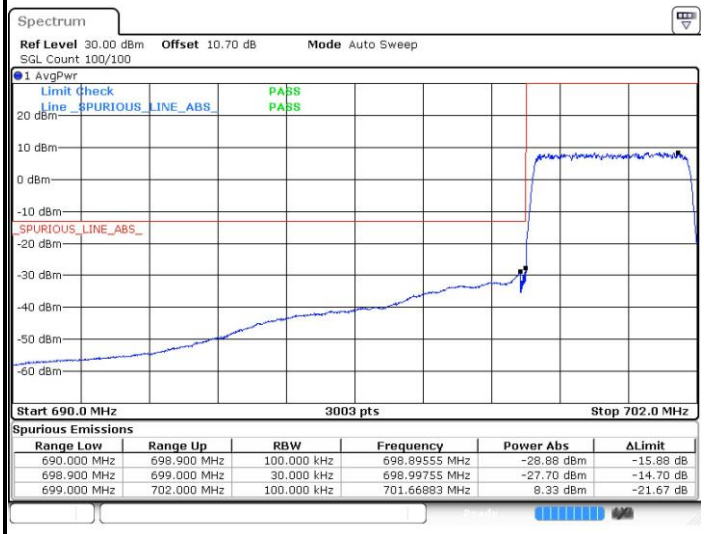


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.77373 MHz	20.43 dBm	-9.57 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-18.01 dBm	-5.01 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.99 dBm	-11.99 dB

Date: 7.JAN.2019 14:21:25

Lowest Band Edge / Full RB

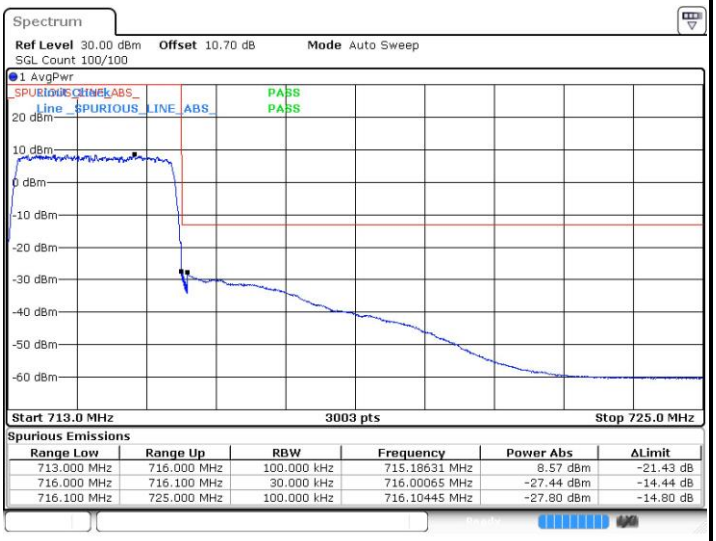


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.88 dBm	-15.88 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99755 MHz	-27.70 dBm	-14.70 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.66883 MHz	8.33 dBm	-21.67 dB

Date: 7.JAN.2019 14:10:52

Highest Band Edge / Full RB



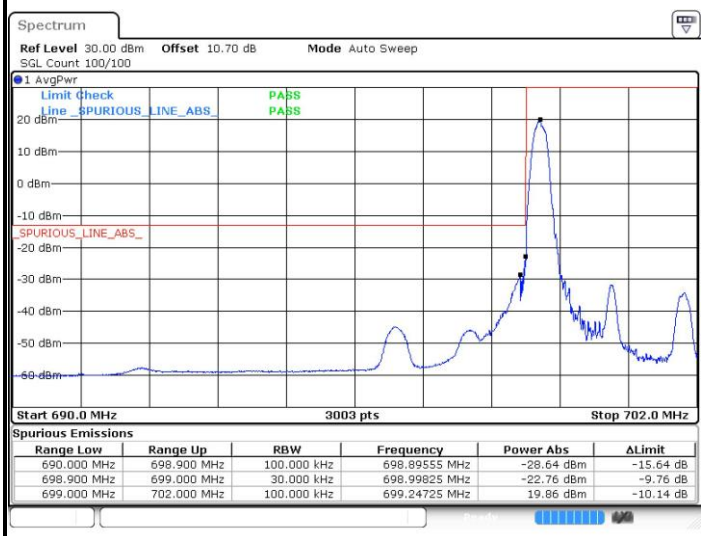
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.18631 MHz	8.57 dBm	-21.43 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-27.44 dBm	-14.44 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.80 dBm	-14.80 dB

Date: 7.JAN.2019 14:20:25

LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

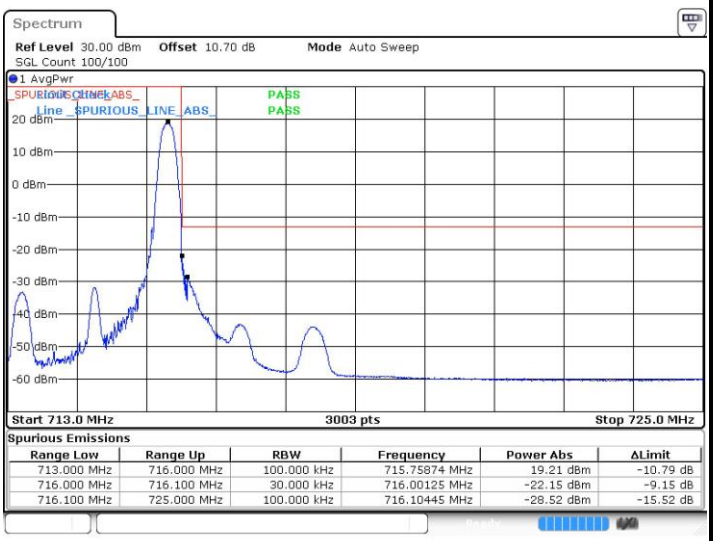


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.64 dBm	-15.64 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-22.76 dBm	-9.76 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24725 MHz	19.86 dBm	-10.14 dB

Date: 7.JAN.2019 15:19:42

Highest Band Edge / 1 RB

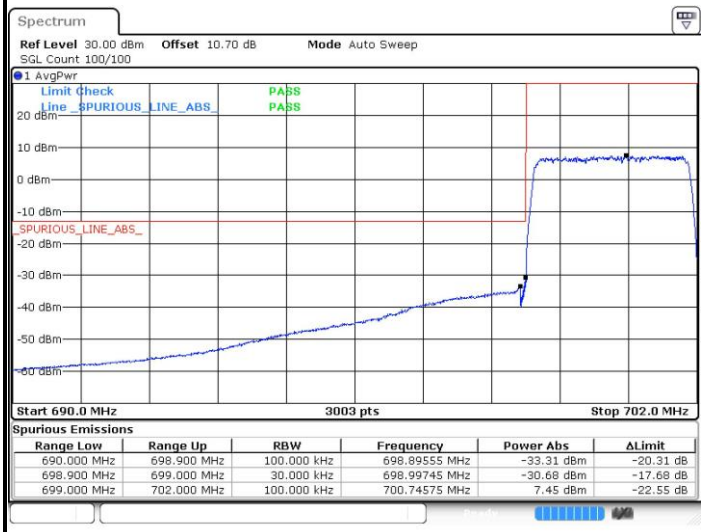


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75874 MHz	19.21 dBm	-10.79 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00125 MHz	-22.15 dBm	-9.15 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.52 dBm	-15.52 dB

Date: 7.JAN.2019 15:24:29

Lowest Band Edge / Full RB

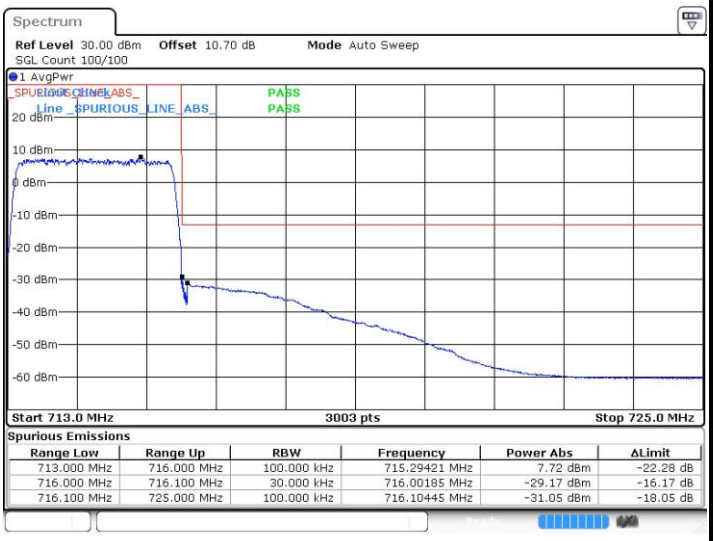


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.31 dBm	-20.31 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99745 MHz	-30.68 dBm	-17.68 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.74575 MHz	7.45 dBm	-22.55 dB

Date: 7.JAN.2019 15:18:42

Highest Band Edge / Full RB



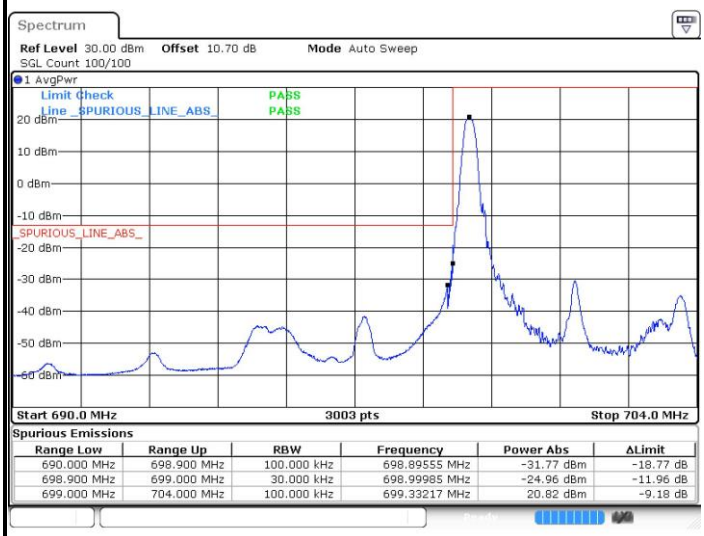
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.29421 MHz	7.72 dBm	-22.28 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-29.17 dBm	-16.17 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.05 dBm	-18.05 dB

Date: 7.JAN.2019 15:23:29

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

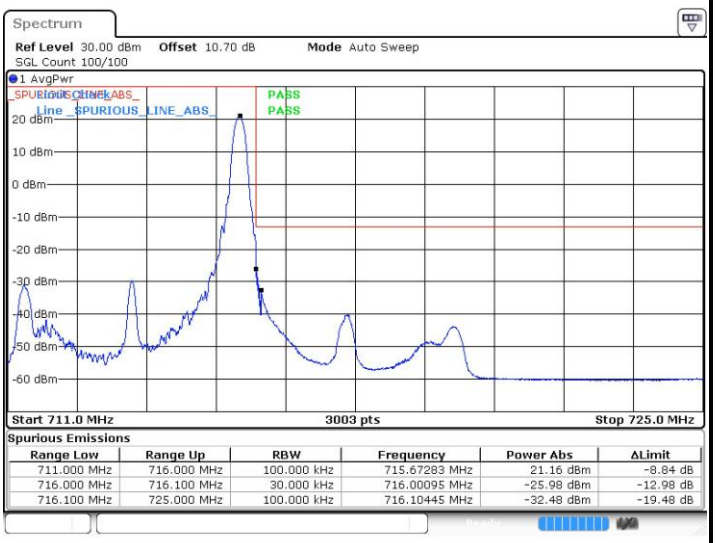


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.77 dBm	-18.77 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-24.96 dBm	-11.96 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33217 MHz	20.82 dBm	-9.18 dB

Date: 7.JAN.2019 14:29:14

Highest Band Edge / 1 RB

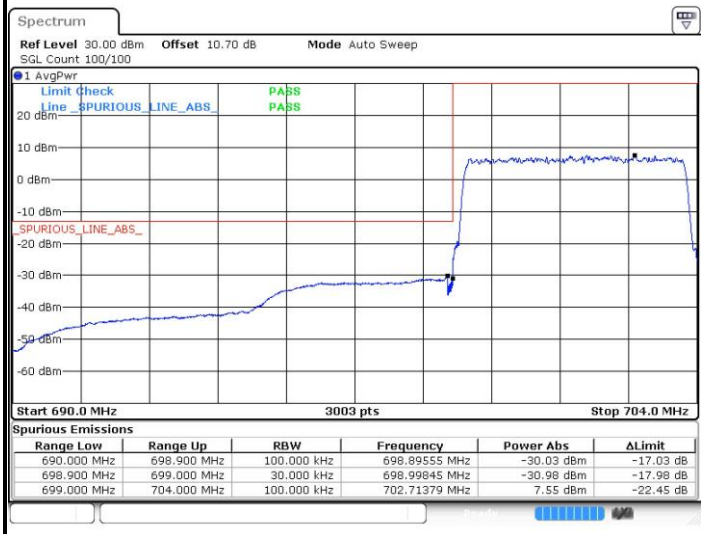


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67283 MHz	21.16 dBm	-8.84 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00095 MHz	-25.98 dBm	-12.98 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.48 dBm	-19.48 dB

Date: 7.JAN.2019 14:37:46

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.03 dBm	-17.03 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99845 MHz	-30.98 dBm	-17.98 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.71379 MHz	7.55 dBm	-22.45 dB

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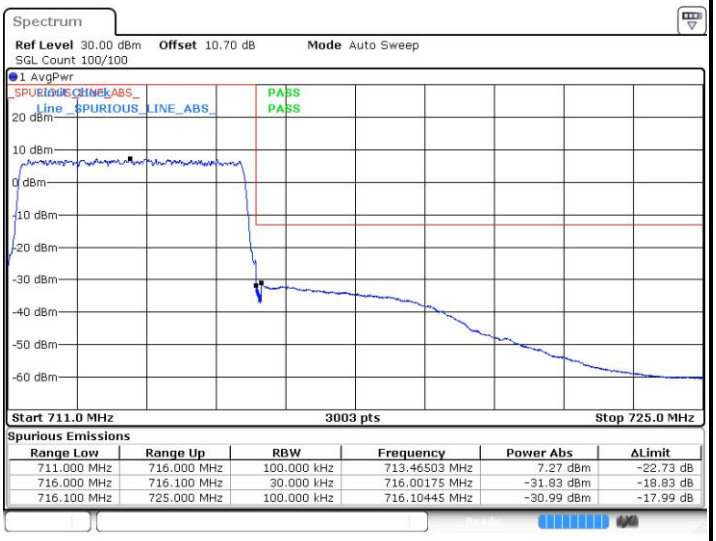
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.46503 MHz	7.27 dBm	-22.73 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00175 MHz	-31.83 dBm	-18.83 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.99 dBm	-17.99 dB

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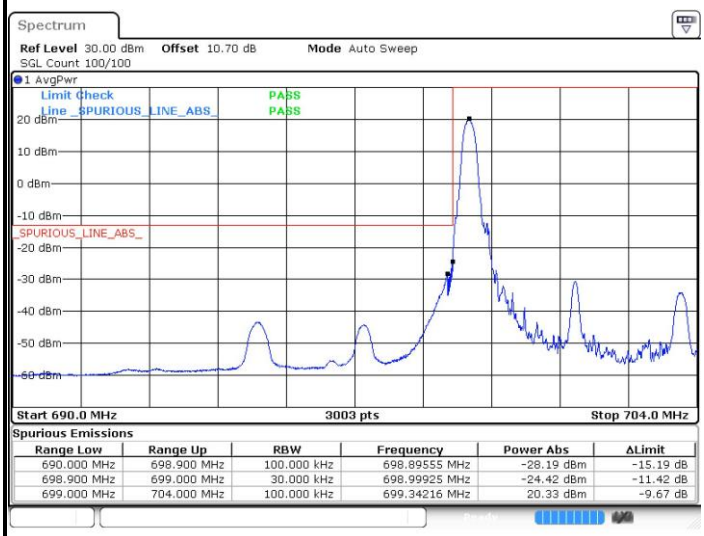
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

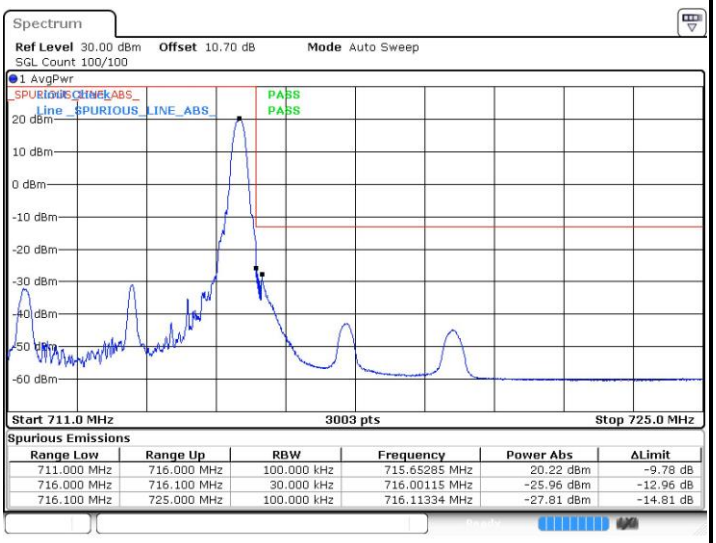


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.19 dBm	-15.19 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99925 MHz	-24.42 dBm	-11.42 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.34216 MHz	20.33 dBm	-9.67 dB

Date: 7.JAN.2019 14:28:13

Highest Band Edge / 1 RB

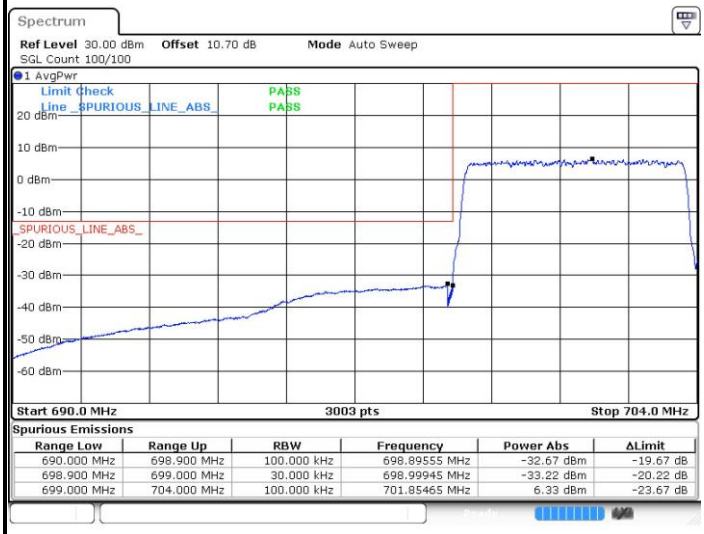


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	20.22 dBm	-9.78 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00115 MHz	-25.96 dBm	-12.96 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-27.81 dBm	-14.81 dB

Date: 7.JAN.2019 14:38:46

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.67 dBm	-19.67 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-33.22 dBm	-20.22 dB
699.000 MHz	704.000 MHz	100.000 kHz	701.85465 MHz	6.33 dBm	-23.67 dB

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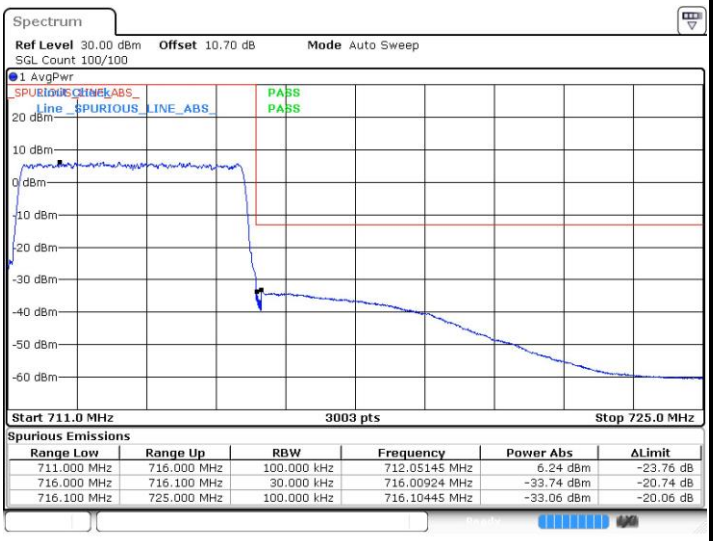
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.05145 MHz	6.24 dBm	-23.76 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00924 MHz	-33.74 dBm	-20.74 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.06 dBm	-20.06 dB

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