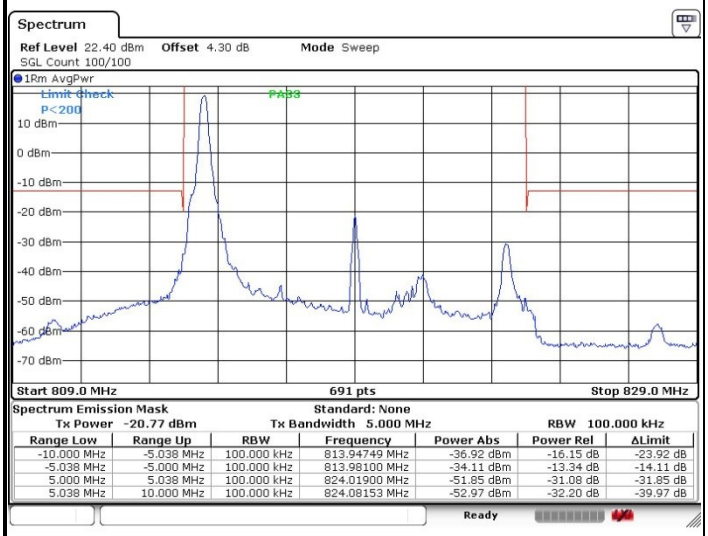
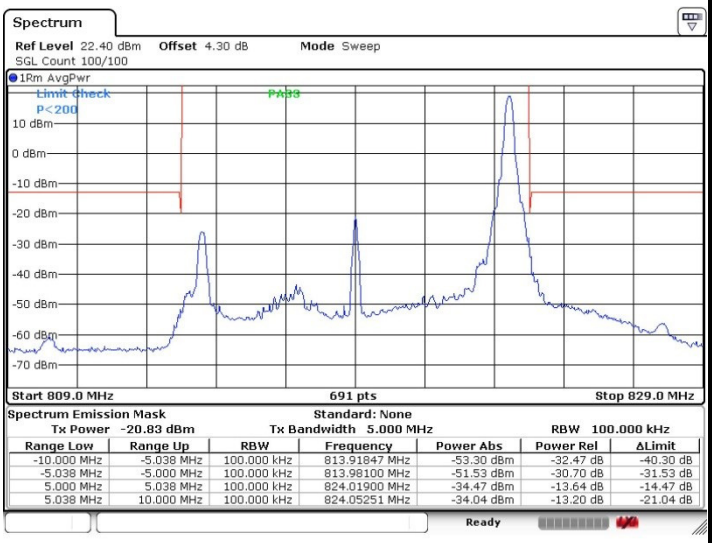
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



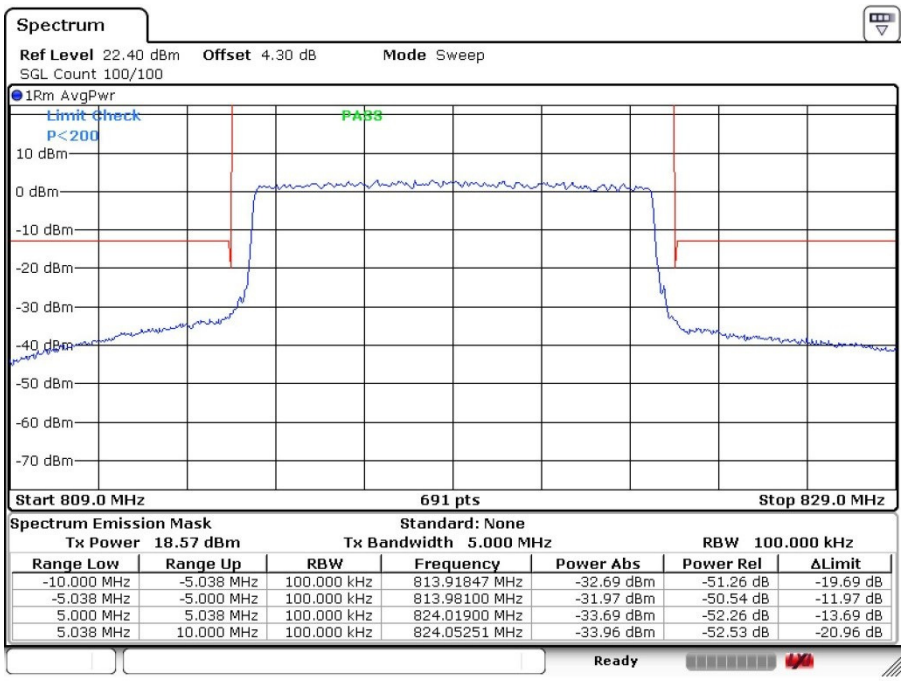
Date: 30.DEC.2017 10:02:02

Highest Band Edge / 1 RB



Date: 30.DEC.2017 10:02:37

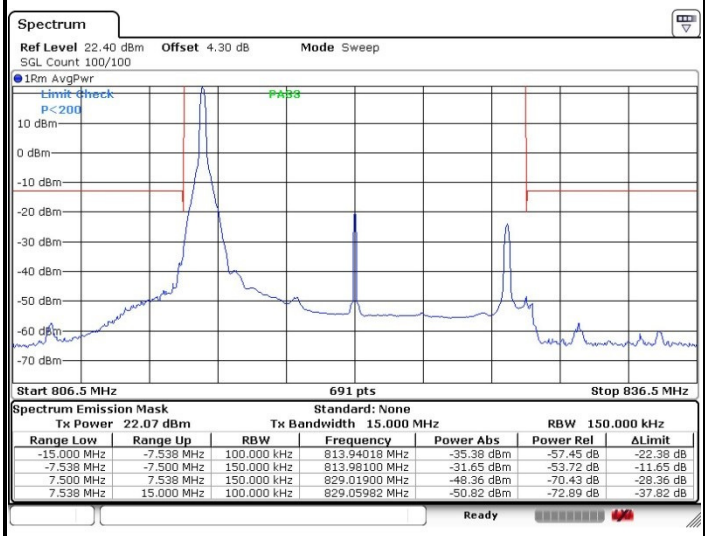
Band Edge / Full RB



Date: 30.DEC.2017 10:04:10

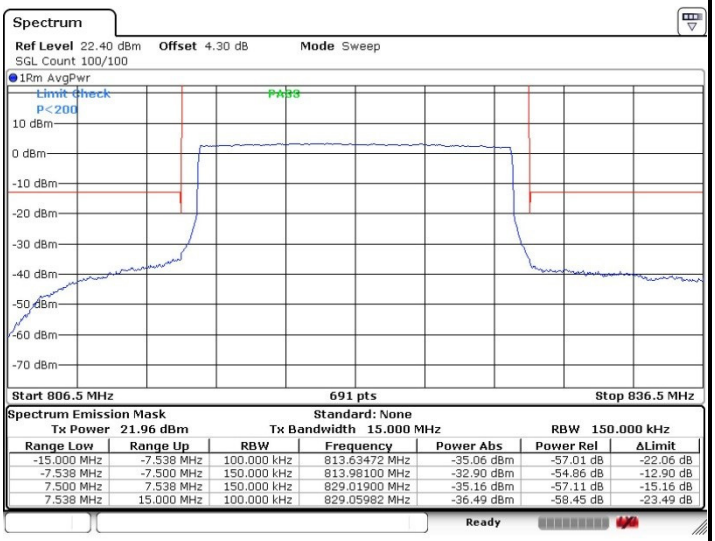
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 15.JAN.2018 08:59:05

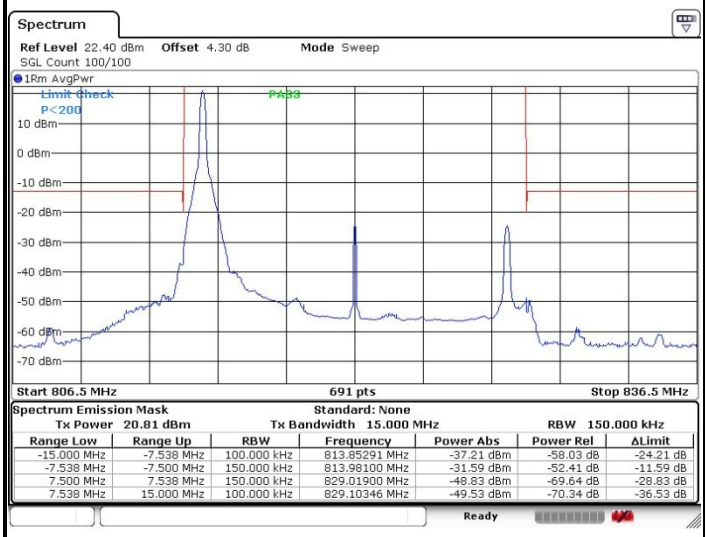
Lowest Band Edge / Full RB



Date: 15.JAN.2018 09:01:46

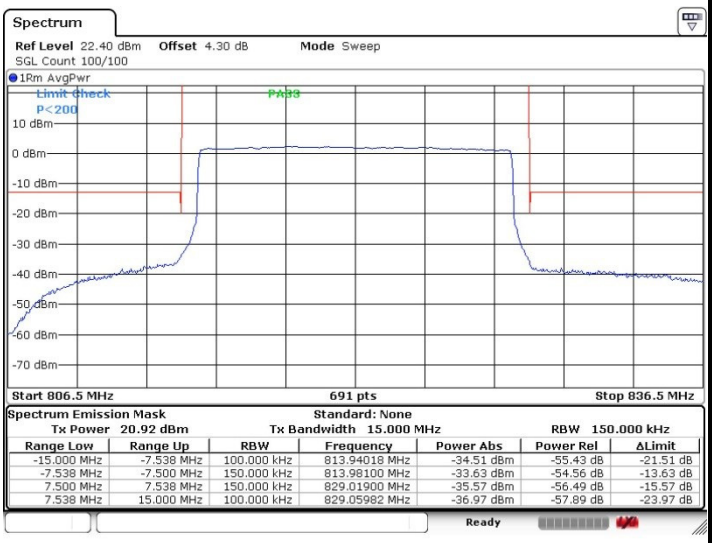
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 15.JAN.2018 09:00:02

Lowest Band Edge / Full RB

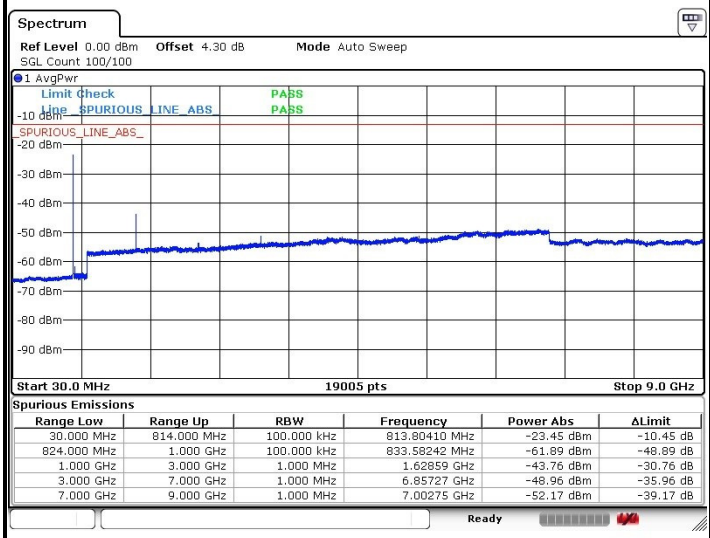


Date: 15.JAN.2018 09:01:01

Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

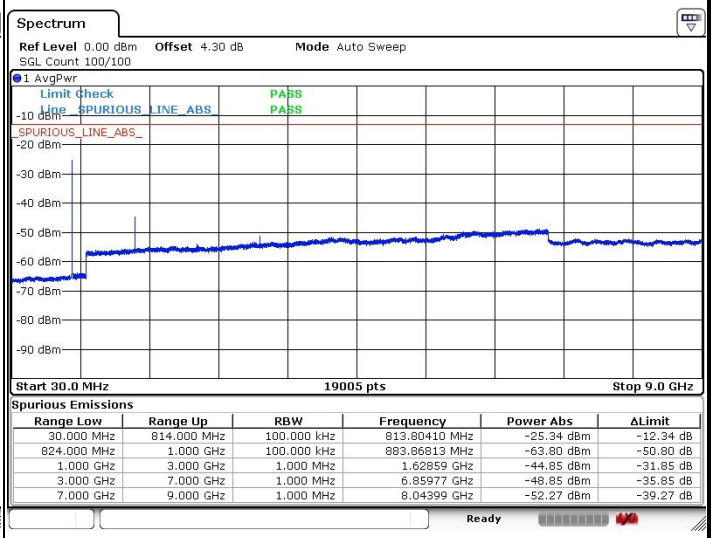


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-23.45 dBm	-10.45 dB
824.000 MHz	1.000 GHz	100.000 kHz	833.58242 MHz	-61.89 dBm	-48.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-43.76 dBm	-30.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85727 GHz	-48.96 dBm	-35.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00275 GHz	-52.17 dBm	-39.17 dB

Date: 1.JAN.2018 15:21:07

Lowest Channel / 16QAM

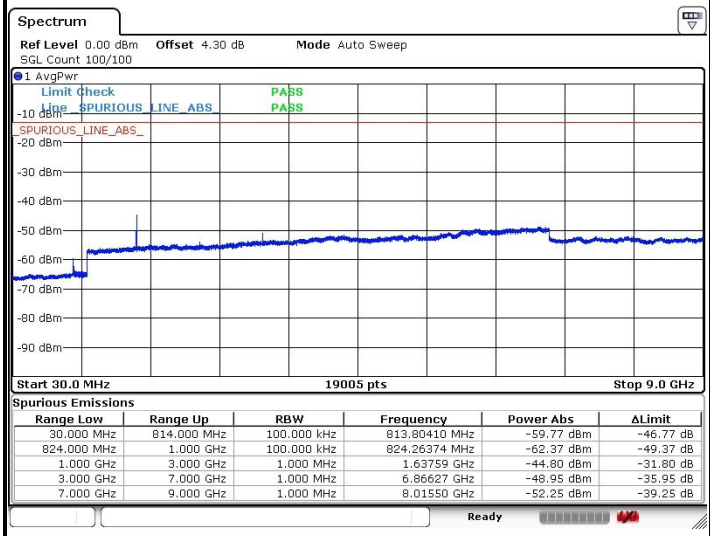


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-25.34 dBm	-12.34 dB
824.000 MHz	1.000 GHz	100.000 kHz	883.86813 MHz	-63.80 dBm	-50.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-44.85 dBm	-31.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85977 GHz	-48.85 dBm	-35.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.04399 GHz	-52.27 dBm	-39.27 dB

Date: 1.JAN.2018 15:21:48

Middle Channel / QPSK

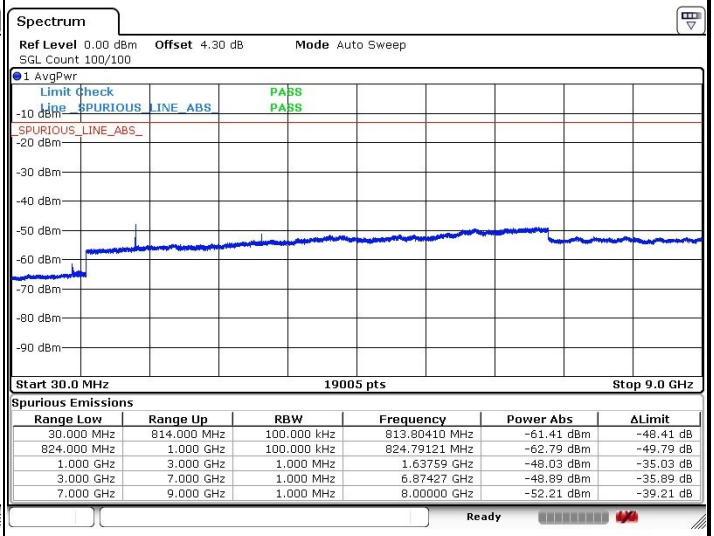


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-59.77 dBm	-46.77 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.26374 MHz	-62.37 dBm	-49.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-44.80 dBm	-31.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86627 GHz	-48.95 dBm	-35.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01550 GHz	-52.25 dBm	-39.25 dB

Date: 1.JAN.2018 15:23:36

Middle Channel / 16QAM



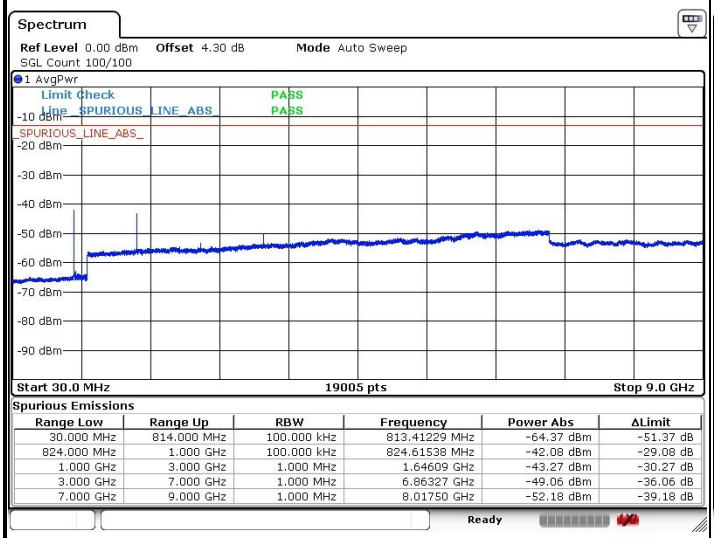
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.41 dBm	-48.41 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.79121 MHz	-62.79 dBm	-49.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-48.03 dBm	-35.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87427 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00000 GHz	-52.21 dBm	-39.21 dB

Date: 1.JAN.2018 15:23:06

LTE Band 26 / 1.4MHz

Highest Channel / QPSK

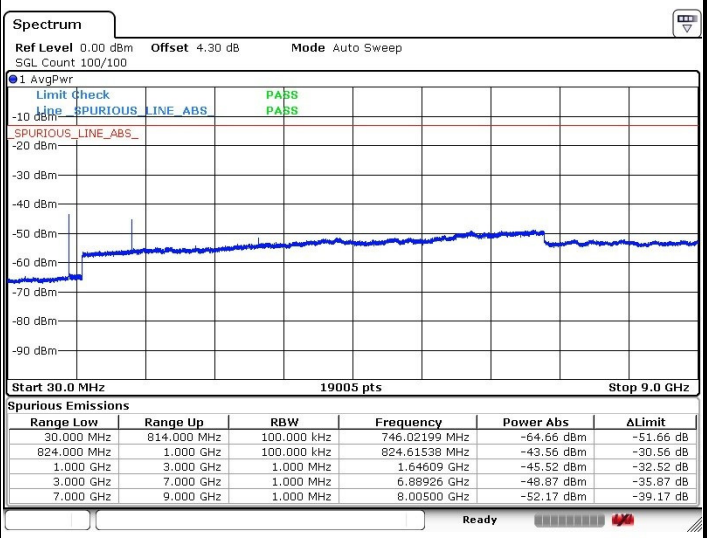


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-64.37 dBm	-51.37 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.61538 MHz	-42.08 dBm	-29.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-43.27 dBm	-30.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86327 GHz	-49.06 dBm	-36.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01750 GHz	-52.18 dBm	-39.18 dB

Date: 1.JAN.2018 15:25:20

Highest Channel / 16QAM



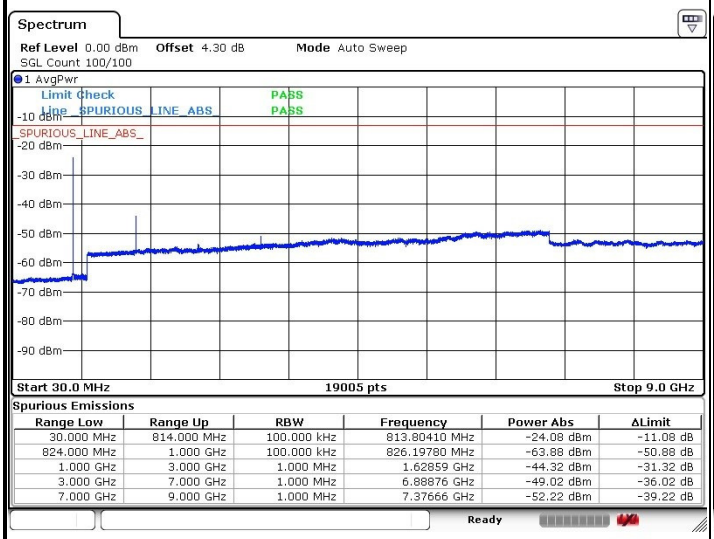
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	746.02199 MHz	-64.66 dBm	-51.66 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.61538 MHz	-43.56 dBm	-30.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-45.52 dBm	-32.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88926 GHz	-48.87 dBm	-35.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00500 GHz	-52.17 dBm	-39.17 dB

Date: 1.JAN.2018 15:25:54

LTE Band 26 / 3MHz

Lowest Channel / QPSK

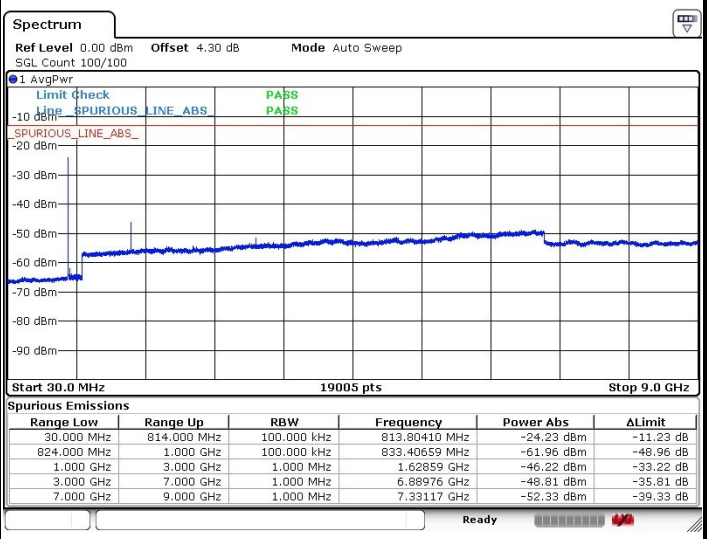


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-24.08 dBm	-11.08 dB
824.000 MHz	1.000 GHz	100.000 kHz	826.19780 MHz	-63.88 dBm	-50.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-44.32 dBm	-31.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88876 GHz	-49.02 dBm	-36.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37666 GHz	-52.22 dBm	-39.22 dB

Date: 1.JAN.2018 15:07:23

Lowest Channel / 16QAM



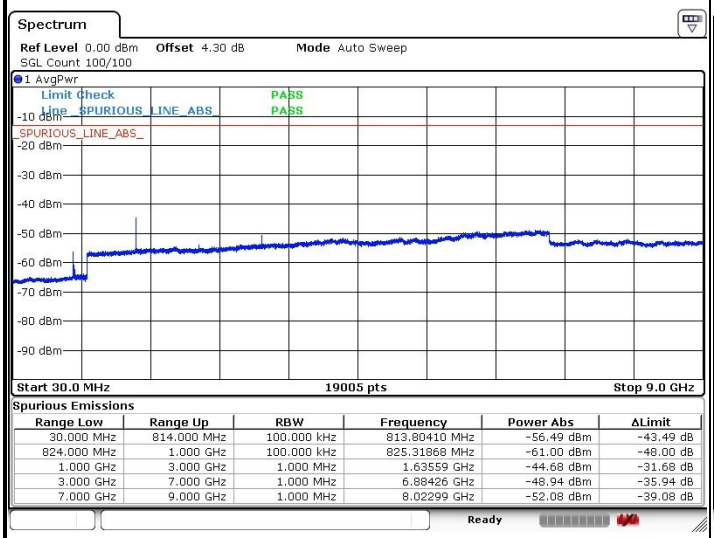
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-24.23 dBm	-11.23 dB
824.000 MHz	1.000 GHz	100.000 kHz	833.40659 MHz	-61.96 dBm	-48.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.22 dBm	-33.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88976 GHz	-48.81 dBm	-35.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.33117 GHz	-52.33 dBm	-39.33 dB

Date: 1.JAN.2018 15:08:18

LTE Band 26 / 3MHz

Middle Channel / QPSK

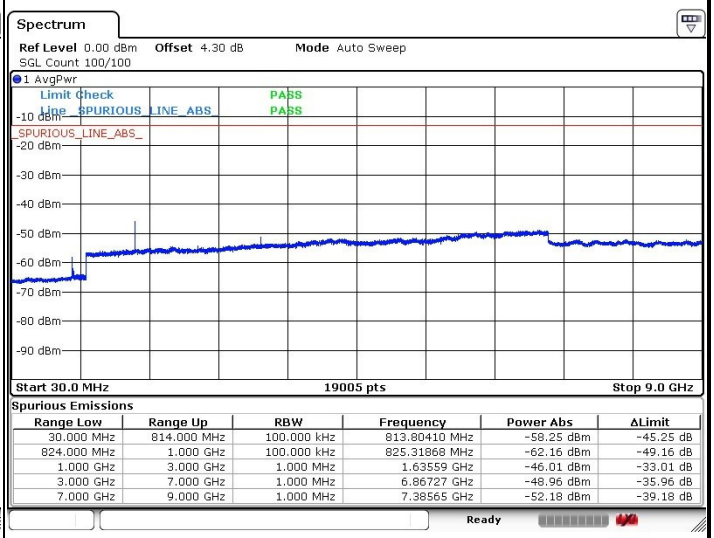


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-56.49 dBm	-43.49 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.31868 MHz	-61.00 dBm	-48.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-44.68 dBm	-31.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88426 GHz	-48.94 dBm	-35.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02299 GHz	-52.08 dBm	-39.08 dB

Date: 1.JAN.2018 15:09:28

Middle Channel / 16QAM

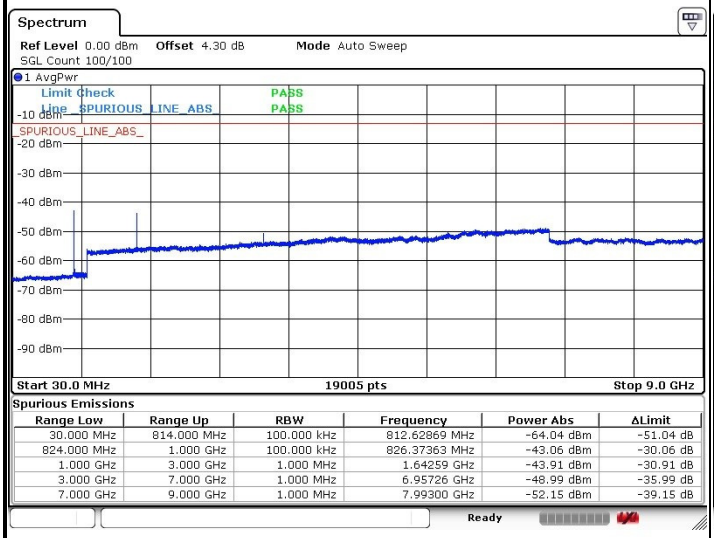


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-58.25 dBm	-45.25 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.31868 MHz	-62.16 dBm	-49.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-46.01 dBm	-33.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86727 GHz	-48.96 dBm	-35.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38565 GHz	-52.18 dBm	-39.18 dB

Date: 1.JAN.2018 15:08:59

Highest Channel / QPSK

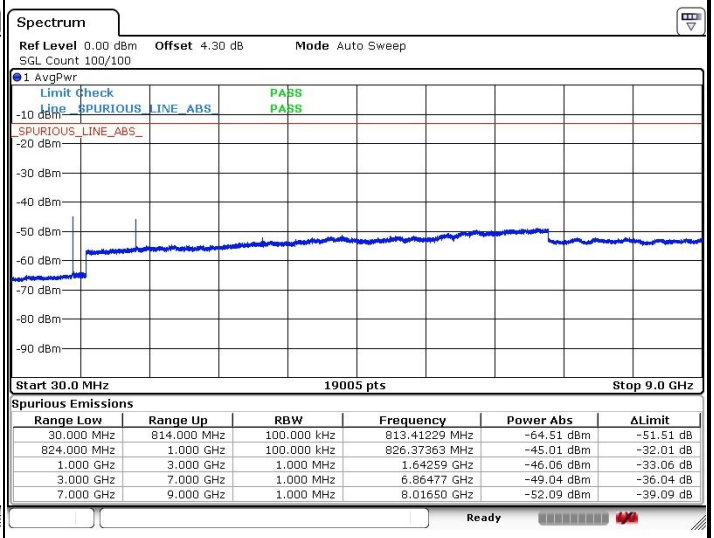


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-64.04 dBm	-51.04 dB
824.000 MHz	1.000 GHz	100.000 kHz	826.37363 MHz	-43.06 dBm	-30.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-43.91 dBm	-30.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95726 GHz	-48.99 dBm	-35.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99300 GHz	-52.15 dBm	-39.15 dB

Date: 1.JAN.2018 15:09:58

Highest Channel / 16QAM



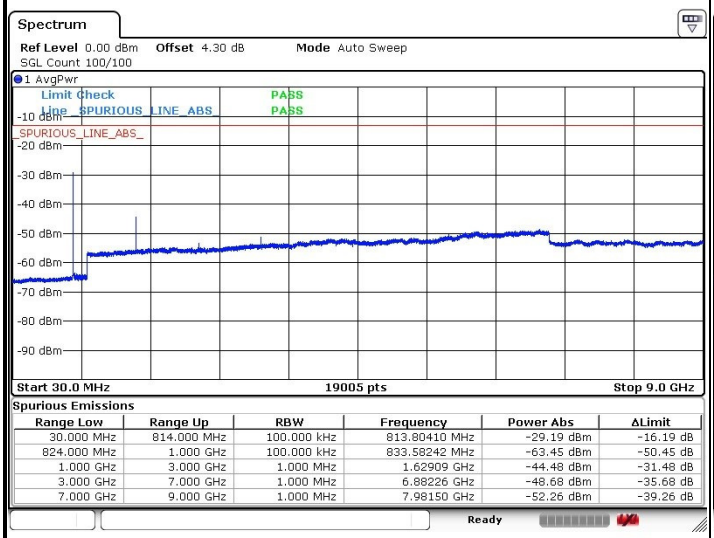
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-64.51 dBm	-51.51 dB
824.000 MHz	1.000 GHz	100.000 kHz	826.37363 MHz	-45.01 dBm	-32.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-46.06 dBm	-33.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86477 GHz	-49.04 dBm	-36.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01650 GHz	-52.09 dBm	-39.09 dB

Date: 1.JAN.2018 15:10:44

LTE Band 26 / 5MHz

Lowest Channel / QPSK

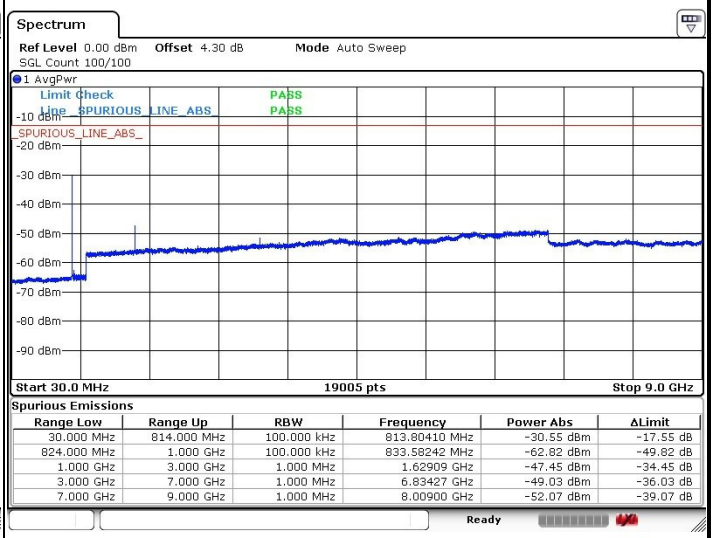


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-29.19 dBm	-16.19 dB
824.000 MHz	1.000 GHz	100.000 kHz	833.58242 MHz	-63.45 dBm	-50.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-44.48 dBm	-31.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88226 GHz	-48.68 dBm	-35.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98150 GHz	-52.26 dBm	-39.26 dB

Date: 1.JAN.2018 15:12:35

Lowest Channel / 16QAM

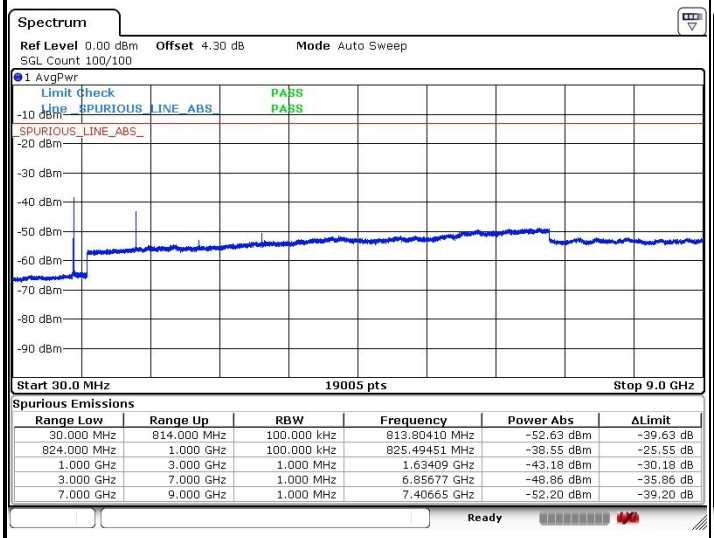


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-30.55 dBm	-17.55 dB
824.000 MHz	1.000 GHz	100.000 kHz	833.58242 MHz	-62.82 dBm	-49.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-47.45 dBm	-34.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83427 GHz	-49.03 dBm	-36.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00900 GHz	-52.07 dBm	-39.07 dB

Date: 1.JAN.2018 15:12:01

Middle Channel / QPSK

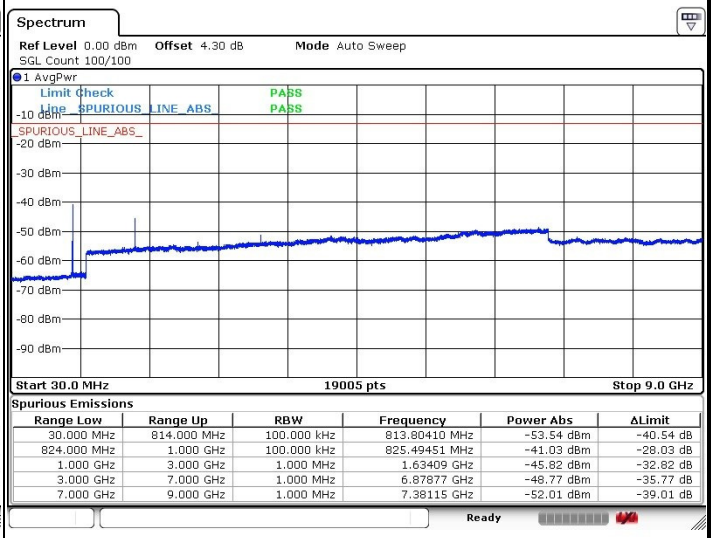


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-52.63 dBm	-39.63 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.49451 MHz	-38.55 dBm	-25.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85677 GHz	-48.86 dBm	-35.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.40665 GHz	-52.20 dBm	-39.20 dB

Date: 1.JAN.2018 15:13:05

Middle Channel / 16QAM



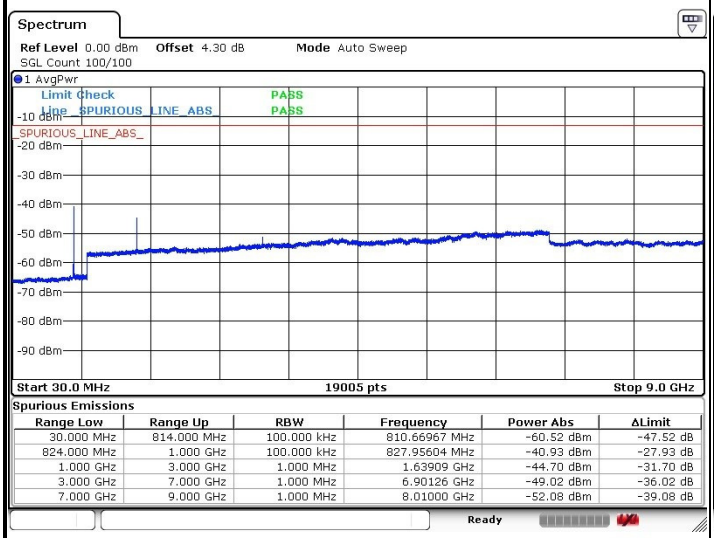
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-53.54 dBm	-40.54 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.49451 MHz	-41.03 dBm	-28.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-45.82 dBm	-32.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87877 GHz	-48.77 dBm	-35.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38115 GHz	-52.01 dBm	-39.01 dB

Date: 1.JAN.2018 15:13:34

LTE Band 26 / 5MHz

Highest Channel / QPSK

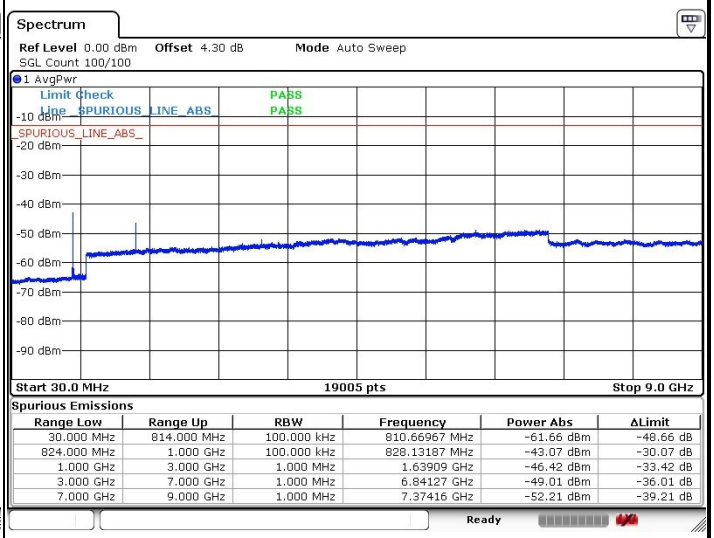


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	810.66967 MHz	-60.52 dBm	-47.52 dB
824.000 MHz	1.000 GHz	100.000 kHz	827.95604 MHz	-40.93 dBm	-27.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-44.70 dBm	-31.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90126 GHz	-49.02 dBm	-36.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01000 GHz	-52.08 dBm	-39.08 dB

Date: 1.JAN.2018 15:14:52

Highest Channel / 16QAM



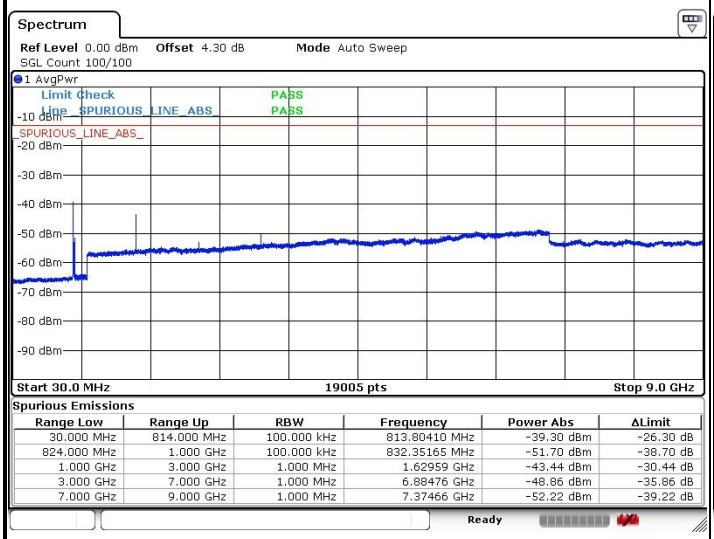
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	810.66967 MHz	-61.66 dBm	-48.66 dB
824.000 MHz	1.000 GHz	100.000 kHz	828.13187 MHz	-43.07 dBm	-30.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-46.42 dBm	-33.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84127 GHz	-49.01 dBm	-36.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37416 GHz	-52.21 dBm	-39.21 dB

Date: 1.JAN.2018 15:14:09

LTE Band 26 / 10MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-39.30 dBm	-26.30 dB
824.000 MHz	1.000 GHz	100.000 kHz	832.35165 MHz	-51.70 dBm	-38.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-43.44 dBm	-30.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88476 GHz	-48.86 dBm	-35.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37466 GHz	-52.22 dBm	-39.22 dB

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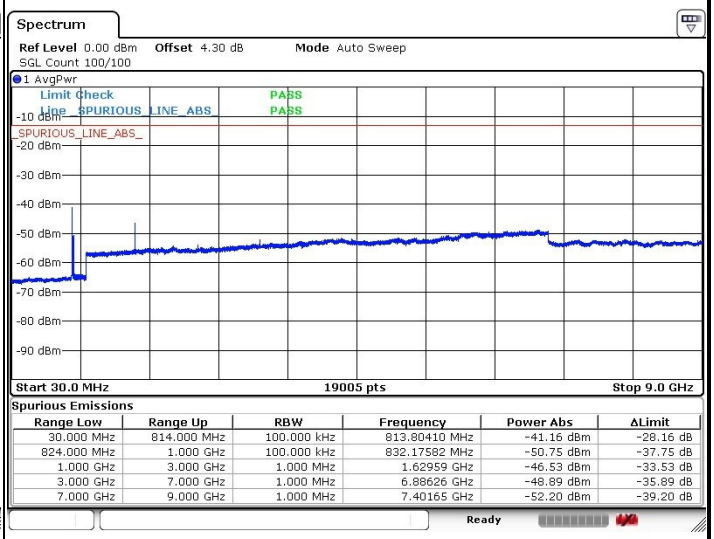
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-41.16 dBm	-28.16 dB
824.000 MHz	1.000 GHz	100.000 kHz	832.17582 MHz	-50.75 dBm	-37.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88626 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.40165 GHz	-52.20 dBm	-39.20 dB

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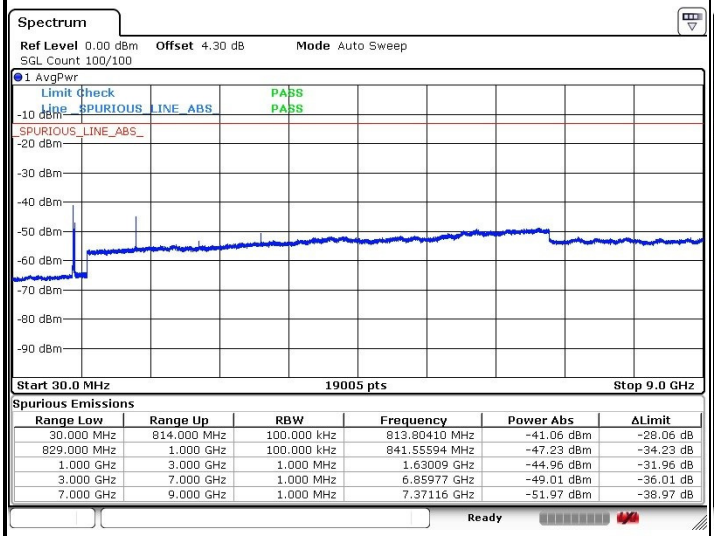
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-41.06 dBm	-28.06 dB
829.000 MHz	1.000 GHz	100.000 kHz	841.55594 MHz	-47.23 dBm	-34.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63009 GHz	-44.96 dBm	-31.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85977 GHz	-49.01 dBm	-36.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37116 GHz	-51.97 dBm	-38.97 dB

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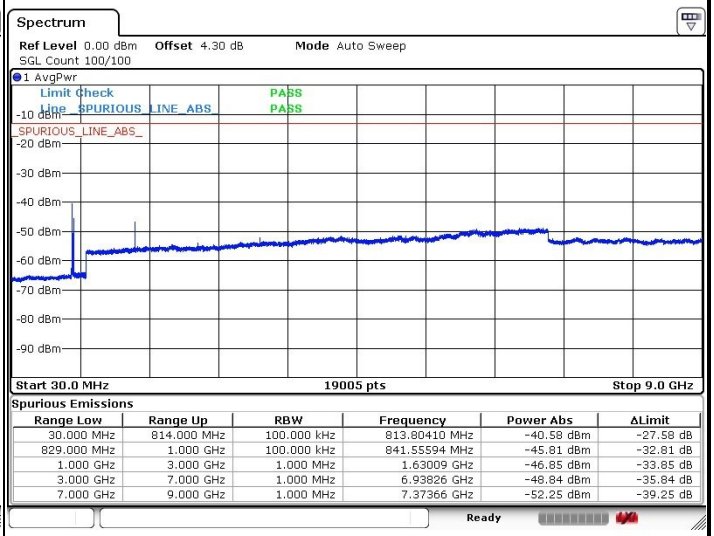
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-40.58 dBm	-27.58 dB
829.000 MHz	1.000 GHz	100.000 kHz	841.55594 MHz	-45.81 dBm	-32.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63009 GHz	-46.85 dBm	-33.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93826 GHz	-48.84 dBm	-35.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37366 GHz	-52.25 dBm	-39.25 dB

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Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0077	PASS
40	Normal Voltage	0.0117	
30	Normal Voltage	0.0088	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0105	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0111	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0096	

Note: Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.

Appendix B. Test Results of Radiated Test

LTE Band 26 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1638	-52.30	-13	-39.30	-53.10	-54.21	1.14	5.20	H
	2456	-39.26	-13	-26.26	-46.57	-41.89	1.12	5.90	H
	3273	-62.25	-13	-49.25	-66.37	-65.46	1.34	6.70	H
	1638	-57.46	-13	-44.46	-56.56	-59.37	1.14	5.20	V
	2456	-38.98	-13	-25.98	-46.53	-41.61	1.12	5.90	V
	3273	-61.09	-13	-48.09	-66.23	-64.30	1.34	6.70	V

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