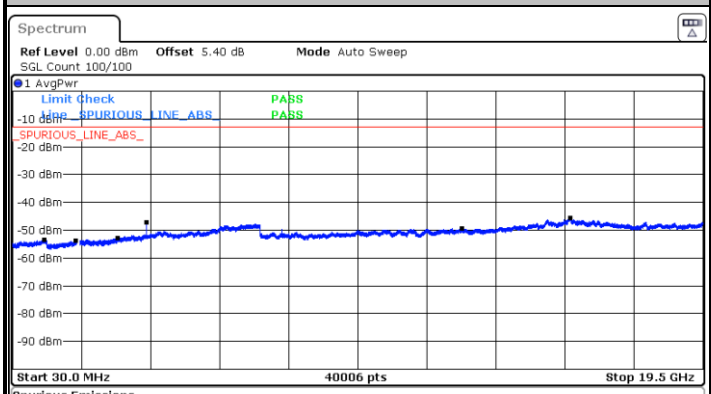
LTE Band 2 / 5MHz

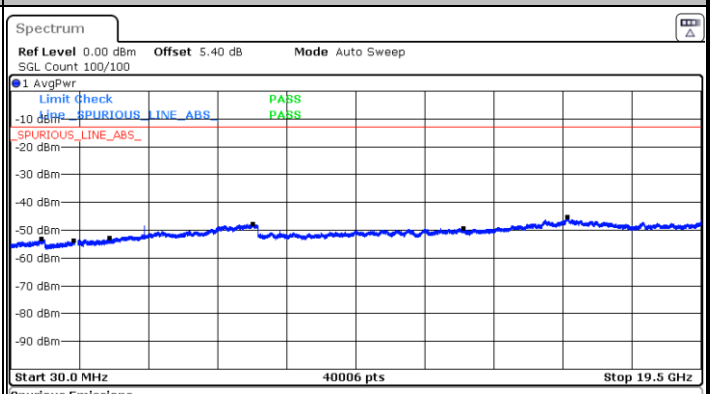
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-53.38 dBm	-40.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81502 GHz	-53.90 dBm	-40.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99298 GHz	-52.92 dBm	-39.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-47.24 dBm	-34.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69079 GHz	-49.30 dBm	-36.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74154 GHz	-45.50 dBm	-32.50 dB

Highest Channel / 16QAM

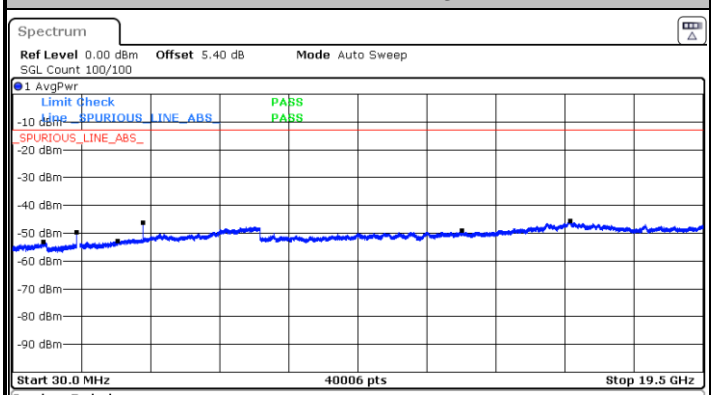


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-53.26 dBm	-40.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79235 GHz	-53.92 dBm	-40.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82672 GHz	-52.80 dBm	-39.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85293 GHz	-47.84 dBm	-34.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.78978 GHz	-49.33 dBm	-36.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73554 GHz	-45.40 dBm	-32.40 dB

LTE Band 2 / 10MHz

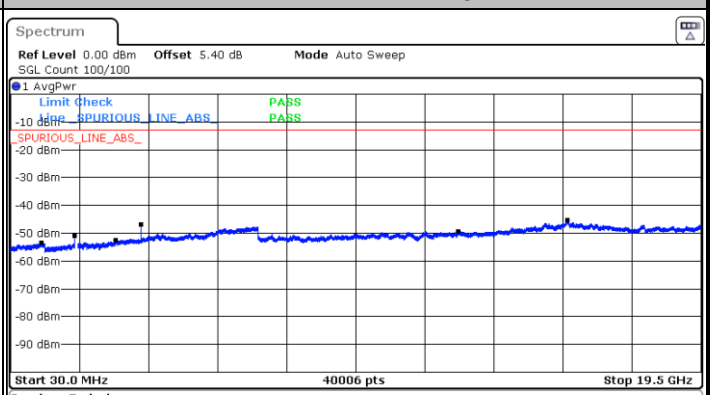
Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-53.03 dBm	-40.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.84 dBm	-36.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99874 GHz	-52.75 dBm	-39.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-46.28 dBm	-33.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70279 GHz	-49.18 dBm	-36.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75154 GHz	-45.49 dBm	-32.49 dB

Lowest Channel / 16QAM

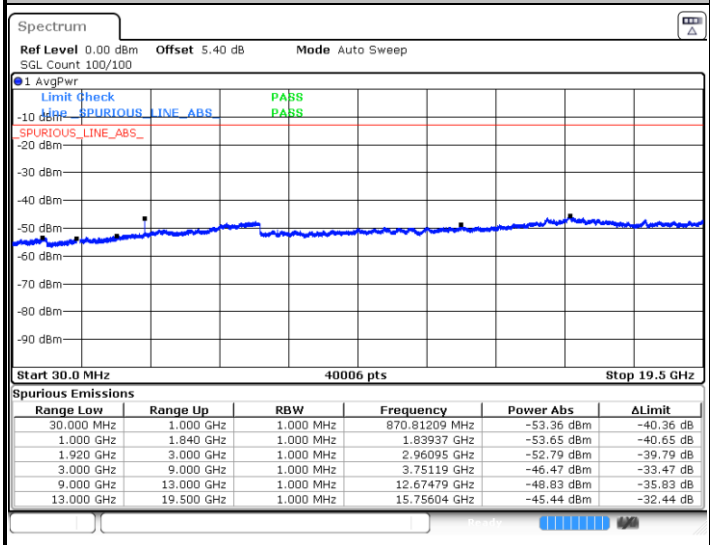


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-53.40 dBm	-40.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-50.98 dBm	-37.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97859 GHz	-52.65 dBm	-39.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-46.72 dBm	-33.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65929 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73604 GHz	-45.22 dBm	-32.22 dB

LTE Band 2 / 10MHz

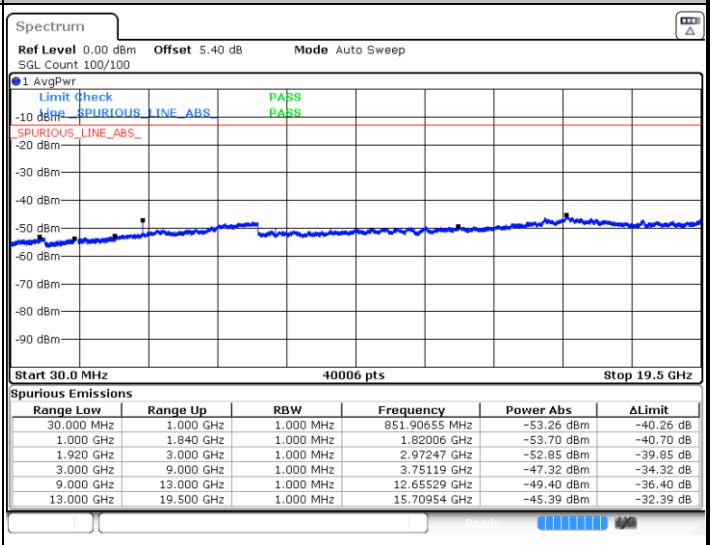
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-53.65 dBm	-40.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96095 GHz	-52.79 dBm	-39.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-46.47 dBm	-33.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67479 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75604 GHz	-45.44 dBm	-32.44 dB

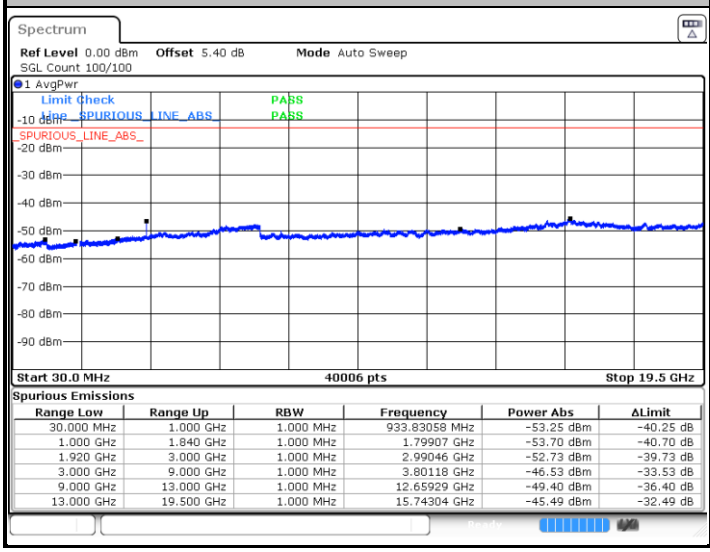
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	851.90655 MHz	-53.26 dBm	-40.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82006 GHz	-53.70 dBm	-40.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97247 GHz	-52.85 dBm	-39.85 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-47.32 dBm	-34.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65529 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.70954 GHz	-45.39 dBm	-32.39 dB

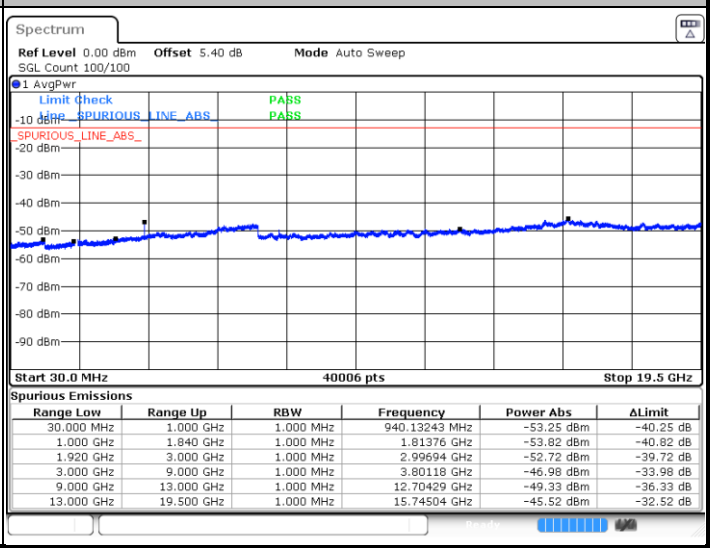
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79907 GHz	-53.70 dBm	-40.70 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99046 GHz	-52.73 dBm	-39.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-46.53 dBm	-33.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65929 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74304 GHz	-45.49 dBm	-32.49 dB

Highest Channel / 16QAM

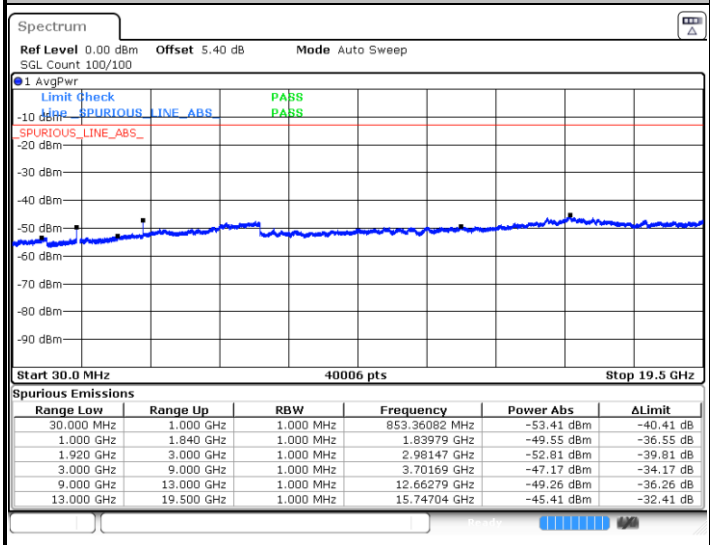


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81376 GHz	-53.82 dBm	-40.82 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99694 GHz	-52.72 dBm	-39.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-46.98 dBm	-33.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-49.33 dBm	-36.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74504 GHz	-45.52 dBm	-32.52 dB

LTE Band 2 / 15MHz

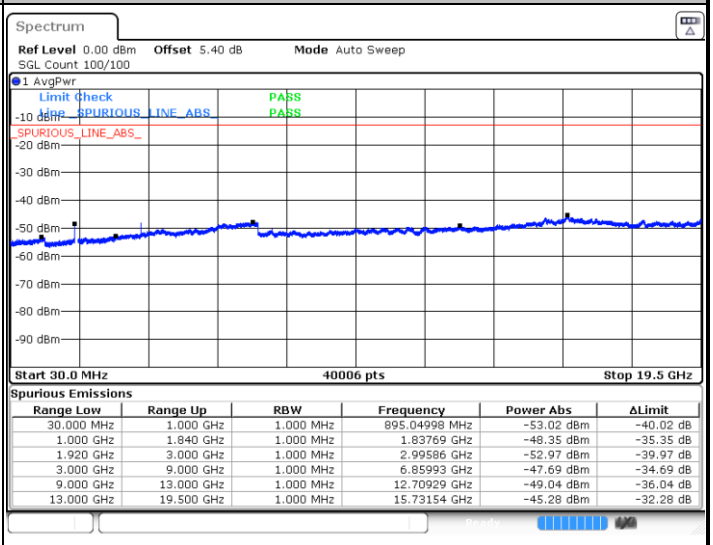
Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.36082 MHz	-53.41 dBm	-40.41 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.55 dBm	-36.55 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98147 GHz	-52.81 dBm	-39.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.17 dBm	-34.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66279 GHz	-49.26 dBm	-36.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74704 GHz	-45.41 dBm	-32.41 dB

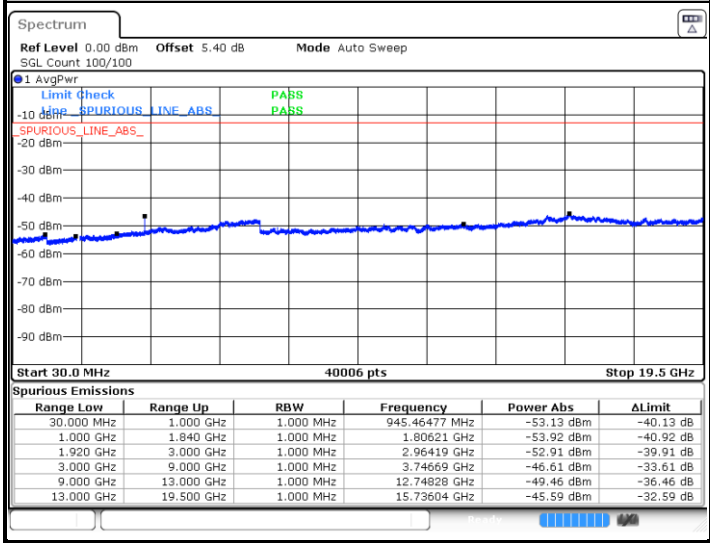
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.04998 MHz	-53.02 dBm	-40.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-48.35 dBm	-35.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99586 GHz	-52.97 dBm	-39.97 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85993 GHz	-47.69 dBm	-34.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70929 GHz	-49.04 dBm	-36.04 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73154 GHz	-45.28 dBm	-32.28 dB

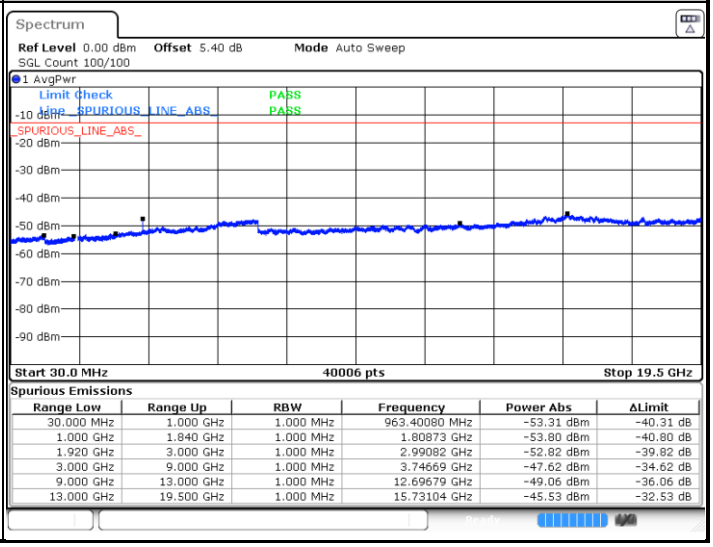
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.46477 MHz	-53.13 dBm	-40.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80621 GHz	-53.92 dBm	-40.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96419 GHz	-52.91 dBm	-39.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-46.61 dBm	-33.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74828 GHz	-49.46 dBm	-36.46 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73604 GHz	-45.59 dBm	-32.59 dB

Middle Channel / 16QAM

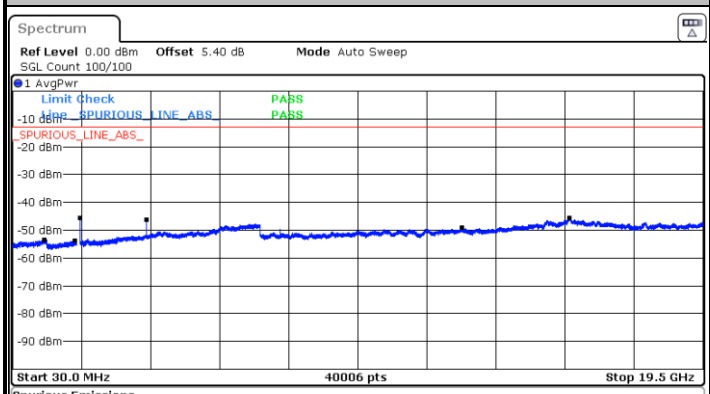


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-53.31 dBm	-40.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80873 GHz	-53.80 dBm	-40.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99082 GHz	-52.82 dBm	-39.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-47.62 dBm	-34.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73104 GHz	-45.53 dBm	-32.53 dB

LTE Band 2 / 15MHz

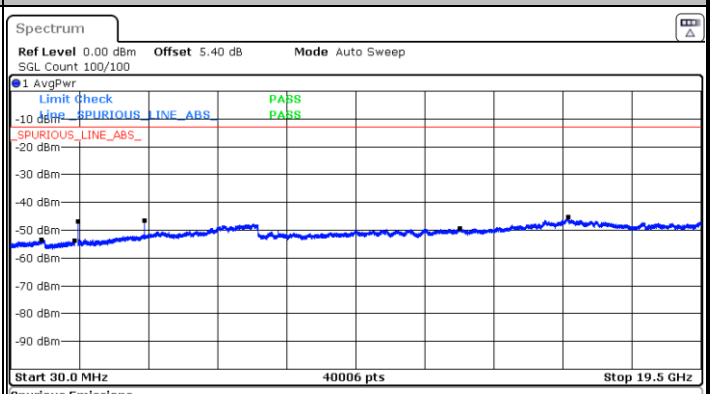
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79067 GHz	-53.73 dBm	-40.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-45.63 dBm	-32.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79218 GHz	-46.09 dBm	-33.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70329 GHz	-49.12 dBm	-36.12 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71954 GHz	-45.62 dBm	-32.62 dB

Highest Channel / 16QAM

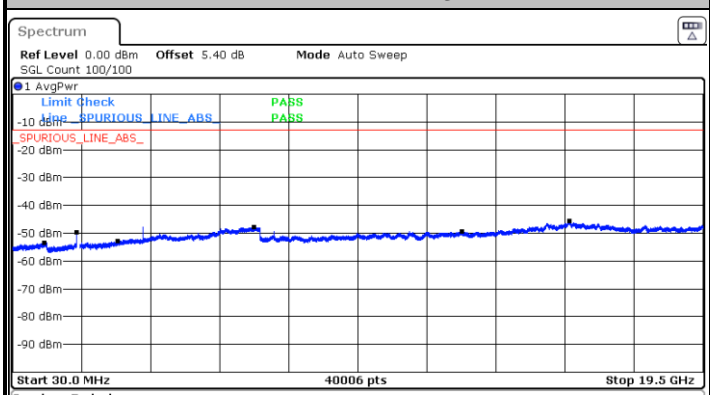


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-53.42 dBm	-40.42 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-53.81 dBm	-40.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-46.65 dBm	-33.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69329 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74954 GHz	-45.32 dBm	-32.32 dB

LTE Band 2 / 20MHz

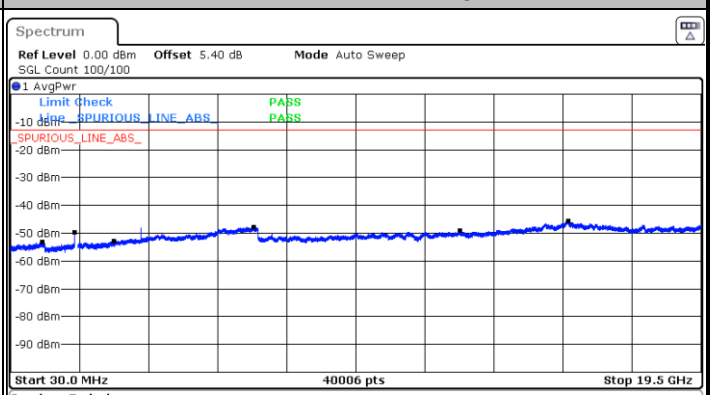
Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.76 dBm	-36.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99910 GHz	-52.75 dBm	-39.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84093 GHz	-47.68 dBm	-34.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73304 GHz	-45.49 dBm	-32.49 dB

Lowest Channel / 16QAM

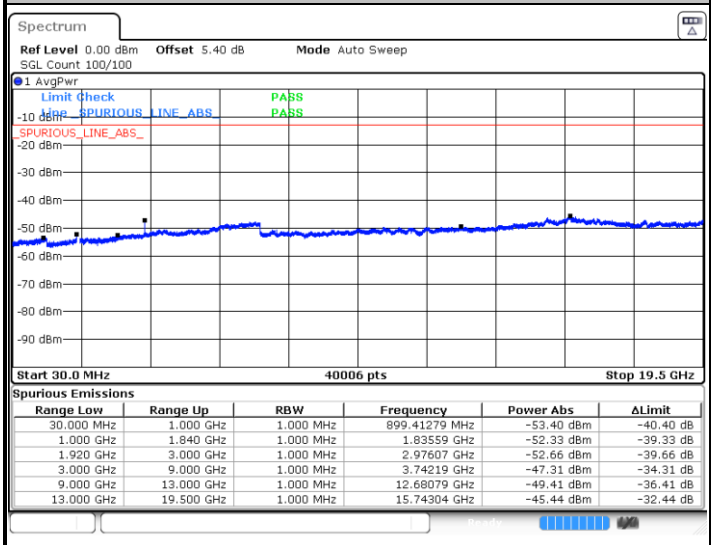


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-53.27 dBm	-40.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.56 dBm	-36.56 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94764 GHz	-52.78 dBm	-39.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88493 GHz	-47.74 dBm	-34.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69379 GHz	-49.21 dBm	-36.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75104 GHz	-45.50 dBm	-32.50 dB

LTE Band 2 / 20MHz

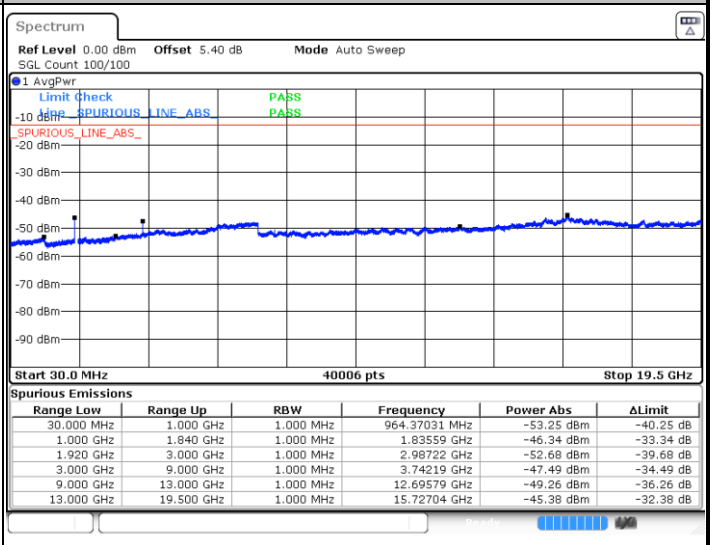
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.41279 MHz	-53.40 dBm	-40.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-52.33 dBm	-39.33 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97607 GHz	-52.66 dBm	-39.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-47.31 dBm	-34.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68079 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74304 GHz	-45.44 dBm	-32.44 dB

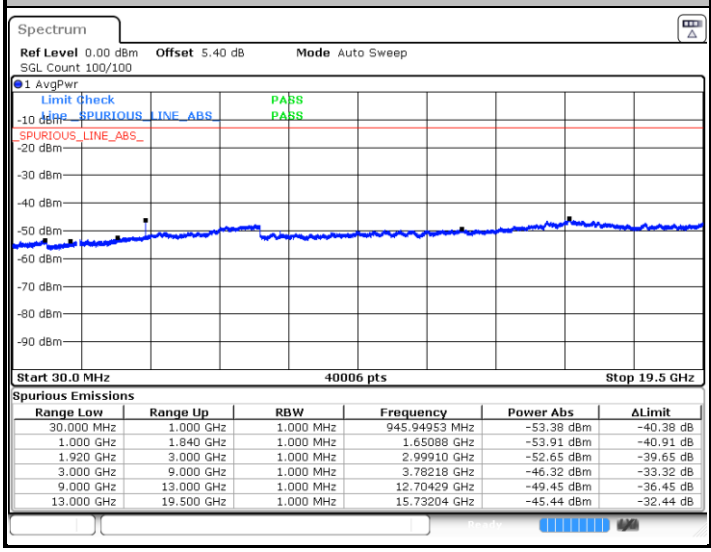
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-46.34 dBm	-33.34 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98722 GHz	-52.68 dBm	-39.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-47.49 dBm	-34.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69579 GHz	-49.26 dBm	-36.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72704 GHz	-45.38 dBm	-32.38 dB

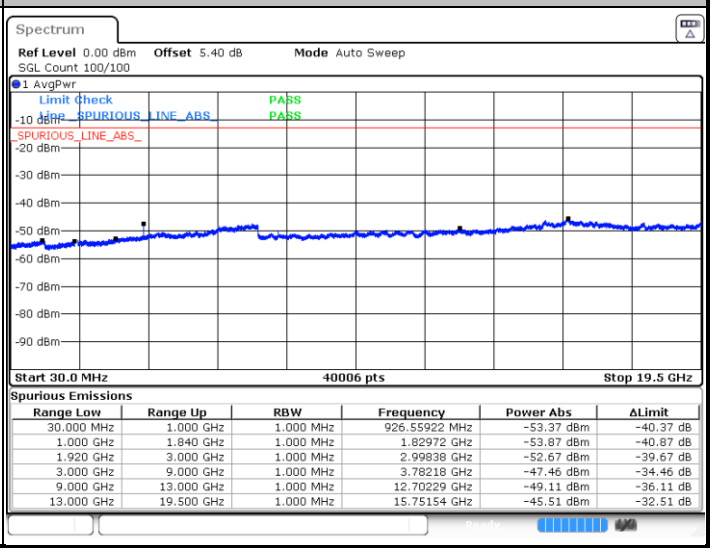
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-53.38 dBm	-40.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65088 GHz	-53.91 dBm	-40.91 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99910 GHz	-52.65 dBm	-39.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-46.32 dBm	-33.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-49.45 dBm	-36.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73204 GHz	-45.44 dBm	-32.44 dB

Highest Channel / 16QAM

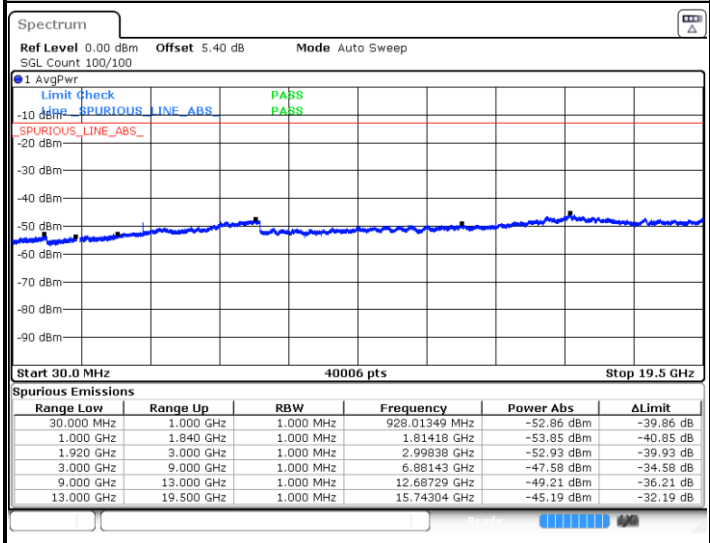


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-53.37 dBm	-40.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-53.87 dBm	-40.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99838 GHz	-52.67 dBm	-39.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-47.46 dBm	-34.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-49.11 dBm	-36.11 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75154 GHz	-45.51 dBm	-32.51 dB

LTE Band 2 / 1.4MHz

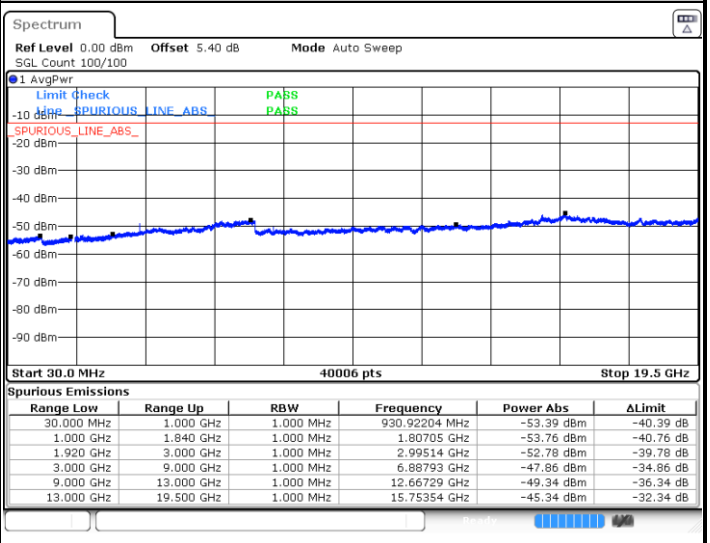
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-52.86 dBm	-39.86 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81418 GHz	-53.85 dBm	-40.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99838 GHz	-52.93 dBm	-39.93 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88143 GHz	-47.58 dBm	-34.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68729 GHz	-49.21 dBm	-36.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74304 GHz	-45.19 dBm	-32.19 dB

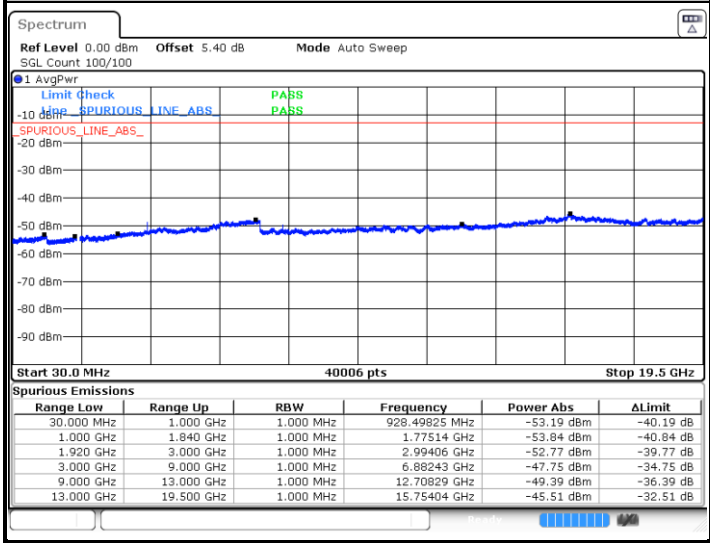
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-53.39 dBm	-40.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80705 GHz	-53.76 dBm	-40.76 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99514 GHz	-52.78 dBm	-39.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88793 GHz	-47.86 dBm	-34.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66729 GHz	-49.34 dBm	-36.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75354 GHz	-45.34 dBm	-32.34 dB

Highest Channel / 64QAM

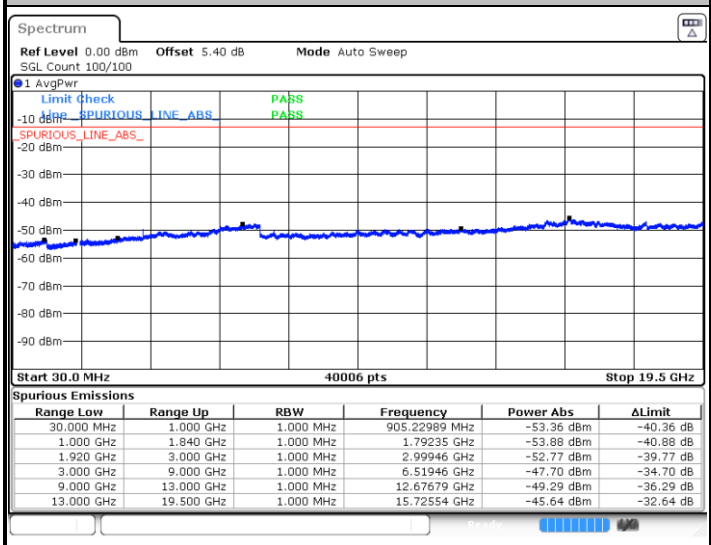


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-53.19 dBm	-40.19 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77514 GHz	-53.84 dBm	-40.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99406 GHz	-52.77 dBm	-39.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88243 GHz	-47.75 dBm	-34.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75404 GHz	-45.51 dBm	-32.51 dB

LTE Band 2 / 3MHz

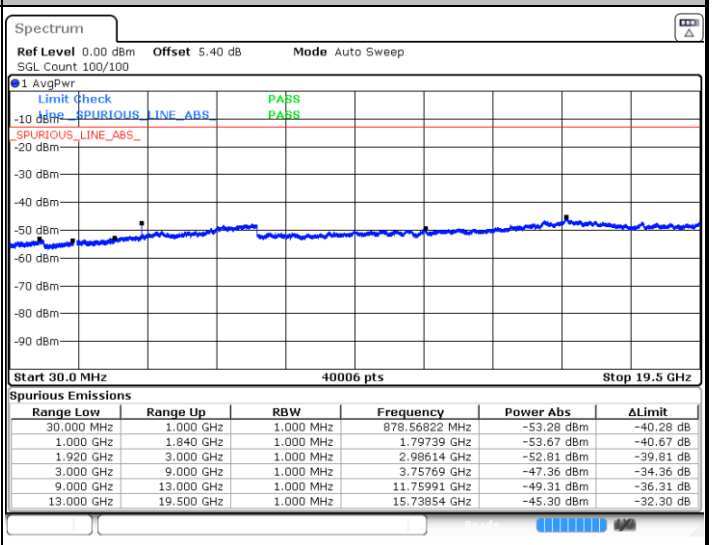
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79235 GHz	-53.88 dBm	-40.88 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-52.77 dBm	-39.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.51946 GHz	-47.70 dBm	-34.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67679 GHz	-49.29 dBm	-36.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72554 GHz	-45.64 dBm	-32.64 dB

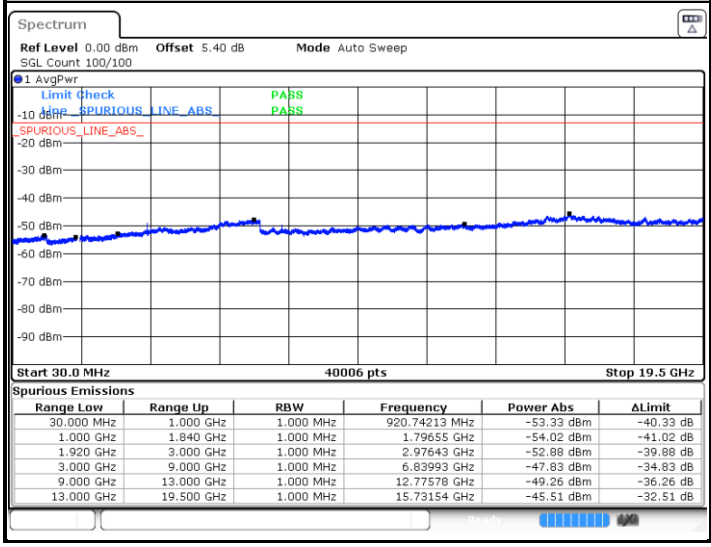
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-53.28 dBm	-40.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79739 GHz	-53.67 dBm	-40.67 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98614 GHz	-52.81 dBm	-39.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-47.36 dBm	-34.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75991 GHz	-49.31 dBm	-36.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73854 GHz	-45.30 dBm	-32.30 dB

Highest Channel / 64QAM

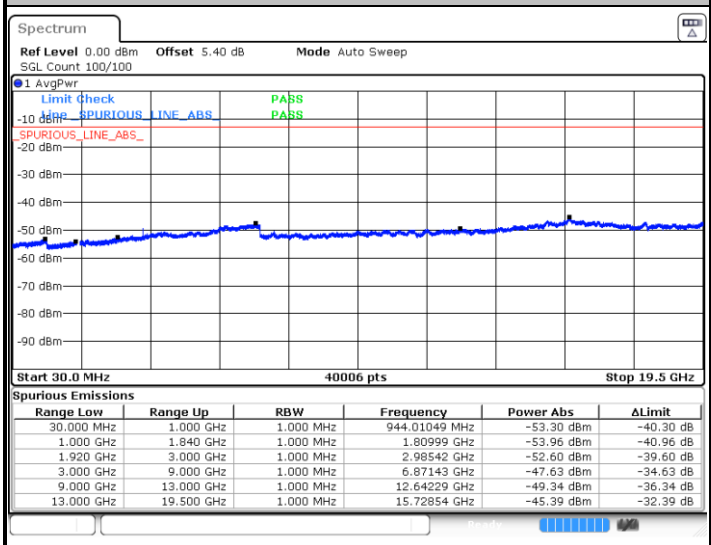


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79655 GHz	-54.02 dBm	-41.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97643 GHz	-52.88 dBm	-39.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83993 GHz	-47.83 dBm	-34.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.77578 GHz	-49.26 dBm	-36.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73154 GHz	-45.51 dBm	-32.51 dB

LTE Band 2 / 5MHz

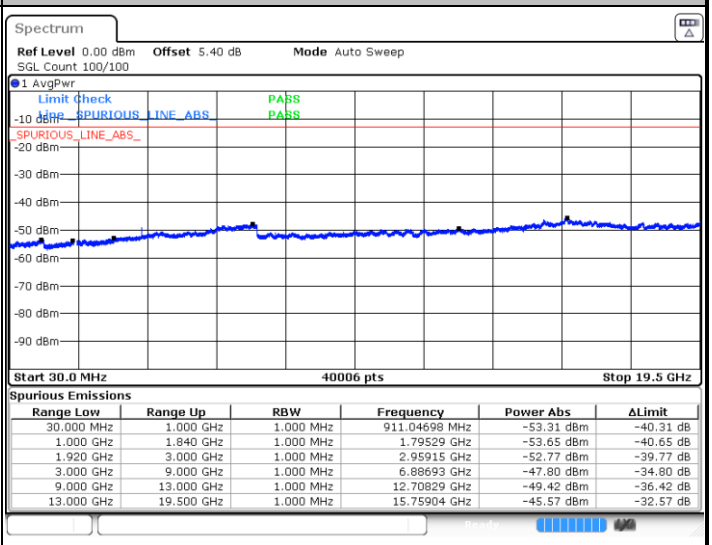
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.01049 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80999 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98542 GHz	-52.60 dBm	-39.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87143 GHz	-47.63 dBm	-34.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64229 GHz	-49.34 dBm	-36.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72854 GHz	-45.39 dBm	-32.39 dB

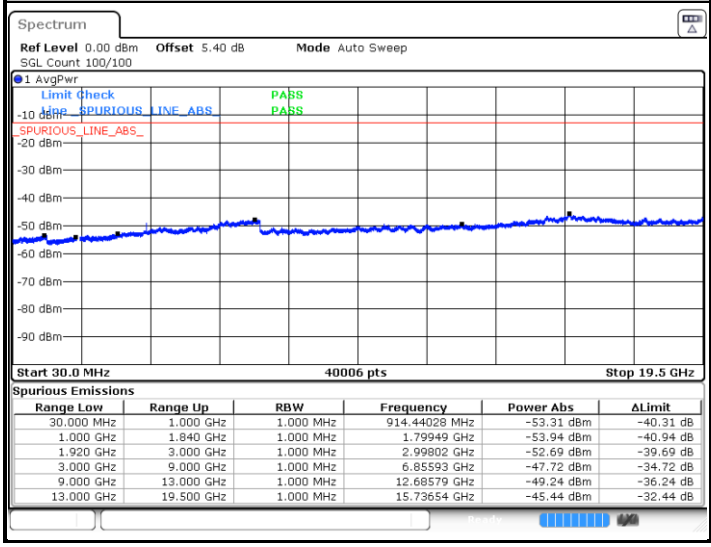
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-53.31 dBm	-40.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79529 GHz	-53.65 dBm	-40.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95915 GHz	-52.77 dBm	-39.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88693 GHz	-47.80 dBm	-34.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-49.42 dBm	-36.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75904 GHz	-45.57 dBm	-32.57 dB

Highest Channel / 64QAM

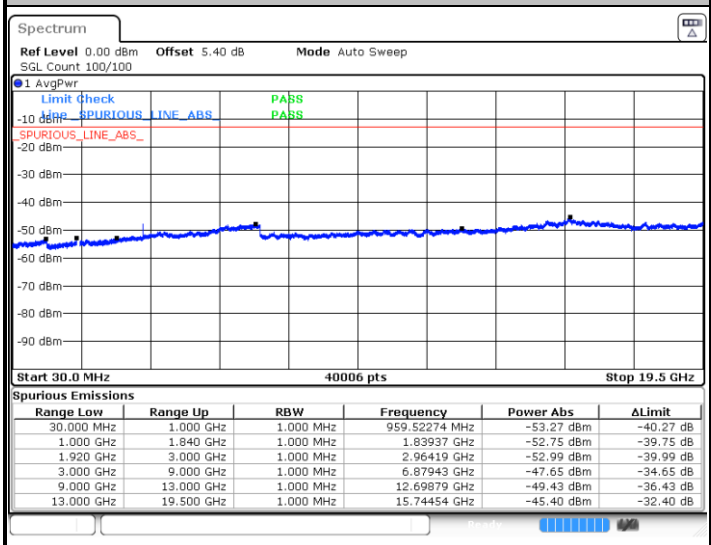


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-53.31 dBm	-40.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79949 GHz	-53.94 dBm	-40.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99802 GHz	-52.69 dBm	-39.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85593 GHz	-47.72 dBm	-34.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68579 GHz	-49.24 dBm	-36.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73654 GHz	-45.44 dBm	-32.44 dB

LTE Band 2 / 10MHz

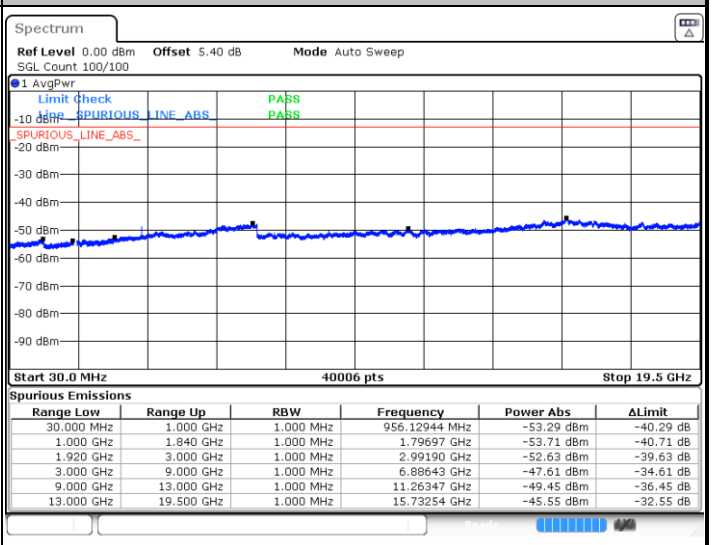
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-53.27 dBm	-40.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-52.75 dBm	-39.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96419 GHz	-52.99 dBm	-39.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87943 GHz	-47.65 dBm	-34.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74454 GHz	-45.40 dBm	-32.40 dB

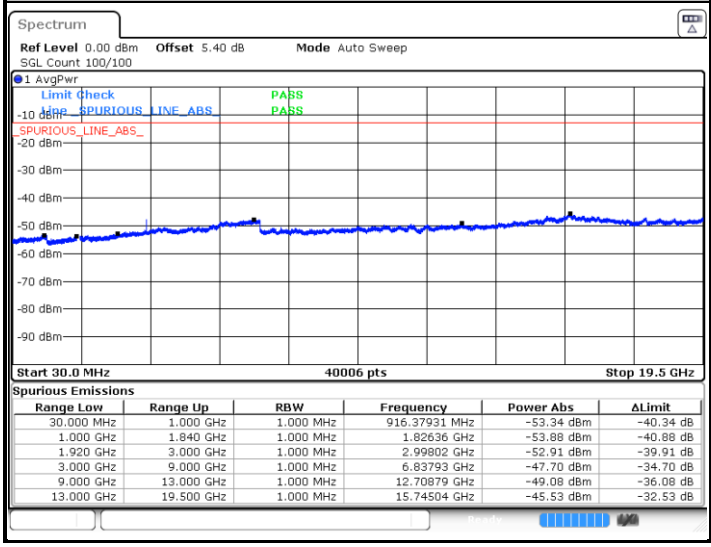
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-53.29 dBm	-40.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79697 GHz	-53.71 dBm	-40.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99190 GHz	-52.63 dBm	-39.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88643 GHz	-47.61 dBm	-34.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.26347 GHz	-49.45 dBm	-36.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73254 GHz	-45.55 dBm	-32.55 dB

Highest Channel / 64QAM

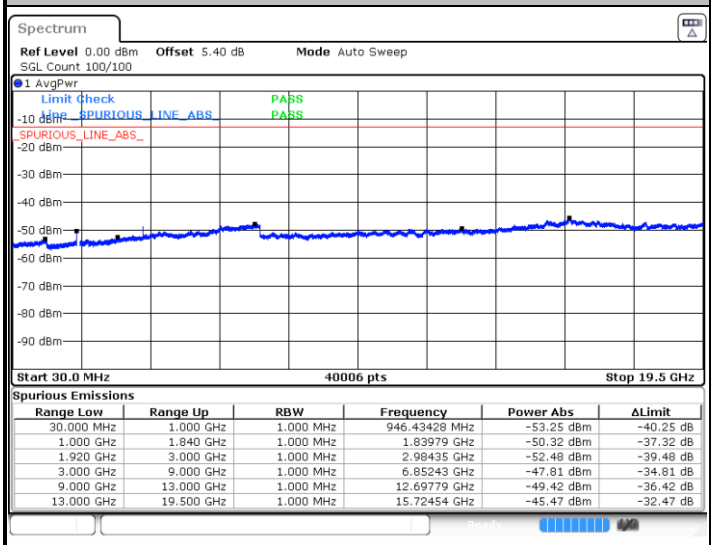


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-53.34 dBm	-40.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82636 GHz	-53.88 dBm	-40.88 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99802 GHz	-52.91 dBm	-39.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83793 GHz	-47.70 dBm	-34.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70879 GHz	-49.08 dBm	-36.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.74504 GHz	-45.53 dBm	-32.53 dB

LTE Band 2 / 15MHz

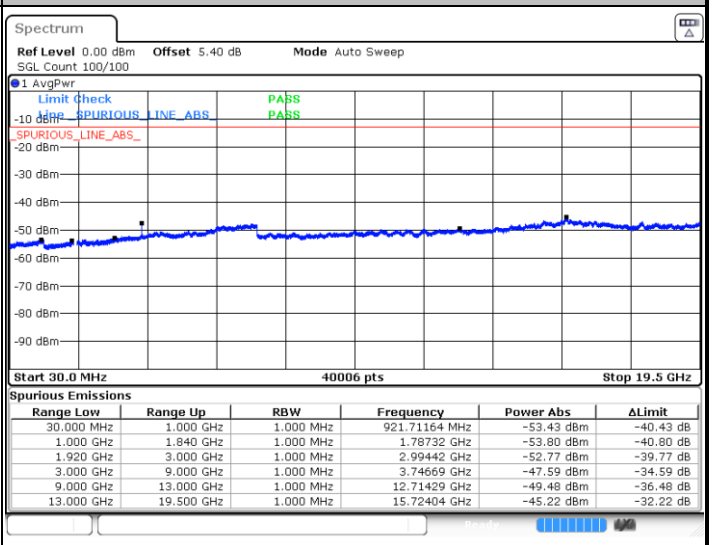
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-50.32 dBm	-37.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98435 GHz	-52.48 dBm	-39.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85243 GHz	-47.81 dBm	-34.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.42 dBm	-36.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72454 GHz	-45.47 dBm	-32.47 dB

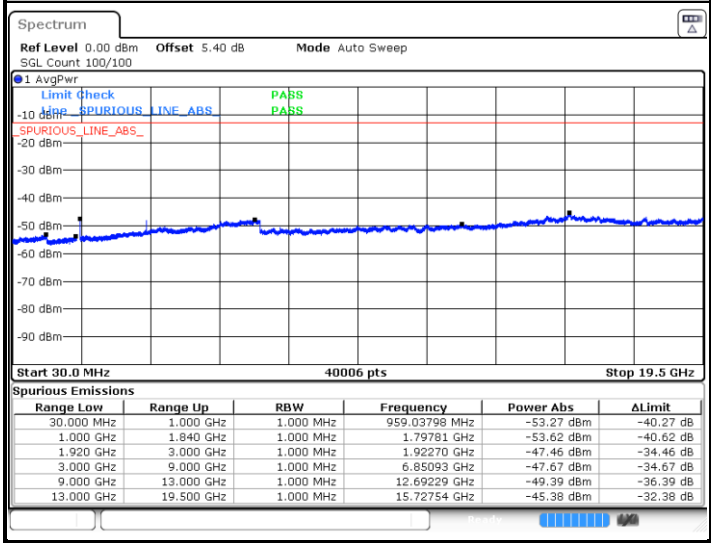
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-53.43 dBm	-40.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78732 GHz	-53.80 dBm	-40.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99442 GHz	-52.77 dBm	-39.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-47.59 dBm	-34.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71429 GHz	-49.48 dBm	-36.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72404 GHz	-45.22 dBm	-32.22 dB

Highest Channel / 64QAM

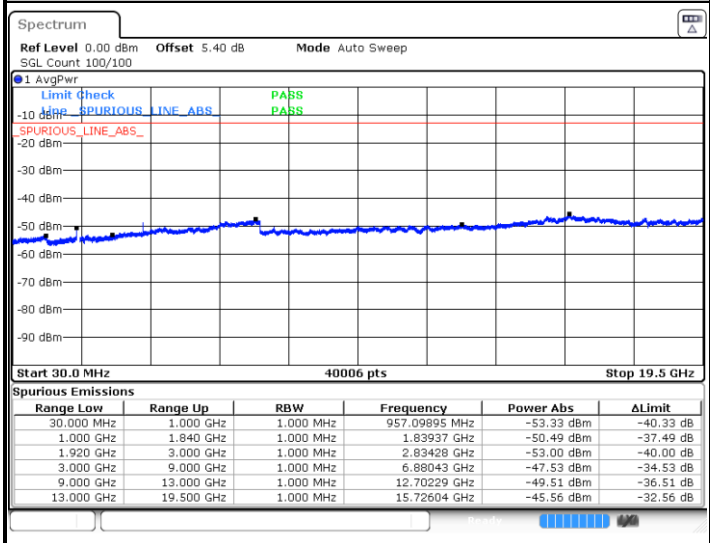


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-53.27 dBm	-40.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79781 GHz	-53.62 dBm	-40.62 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-47.46 dBm	-34.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85093 GHz	-47.67 dBm	-34.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69229 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72754 GHz	-45.38 dBm	-32.38 dB

LTE Band 2 / 20MHz

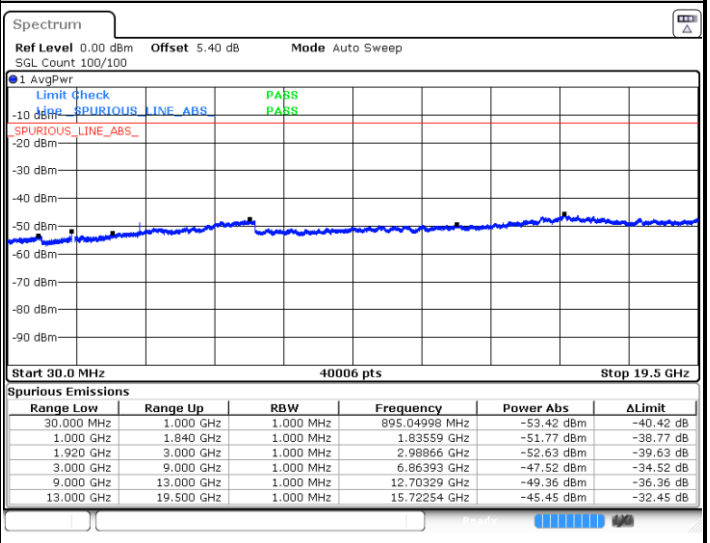
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-50.49 dBm	-37.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83428 GHz	-53.00 dBm	-40.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88043 GHz	-47.53 dBm	-34.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-49.51 dBm	-36.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72604 GHz	-45.56 dBm	-32.56 dB

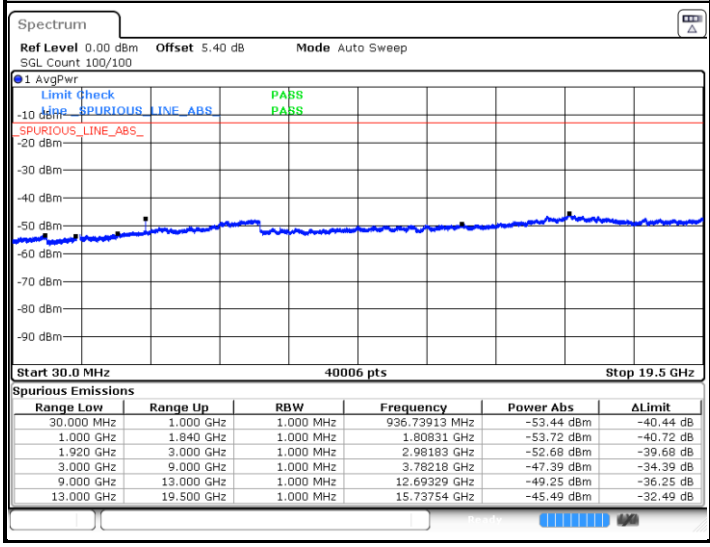
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.04998 MHz	-53.42 dBm	-40.42 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-51.77 dBm	-38.77 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98866 GHz	-52.63 dBm	-39.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86393 GHz	-47.52 dBm	-34.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70329 GHz	-49.36 dBm	-36.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72254 GHz	-45.45 dBm	-32.45 dB

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-53.44 dBm	-40.44 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80831 GHz	-53.72 dBm	-40.72 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98183 GHz	-52.68 dBm	-39.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-47.39 dBm	-34.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69329 GHz	-49.25 dBm	-36.25 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73754 GHz	-45.49 dBm	-32.49 dB

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

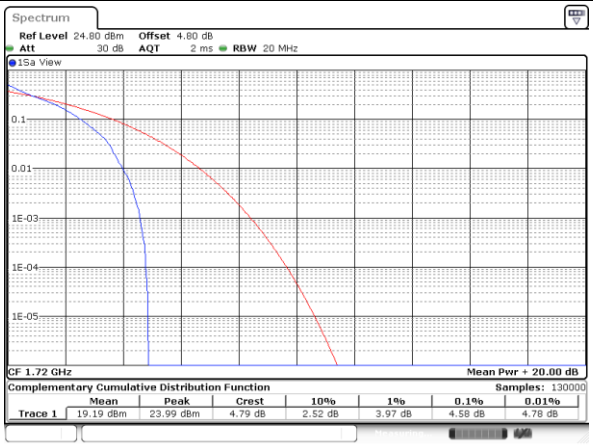
LTE Band 4

Peak-to-Average Ratio

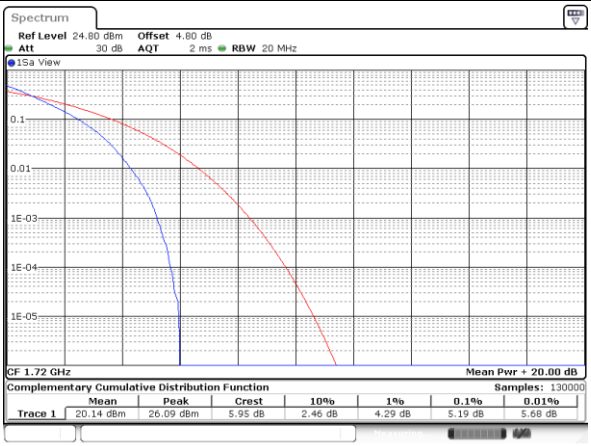
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.58	5.19	5.88	6.17	PASS
Middle CH	5.07	5.22	5.86	6.14	
Highest CH	5.16	5.22	5.86	6.17	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.00	-	-	PASS
Middle CH	6.09	6.17	-	-	
Highest CH	5.39	6.09	-	-	

LTE Band 4 / 20MHz / QPSK

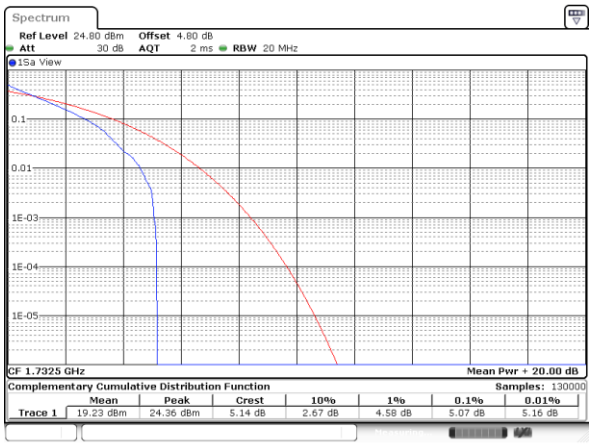
Lowest Channel / 1RB



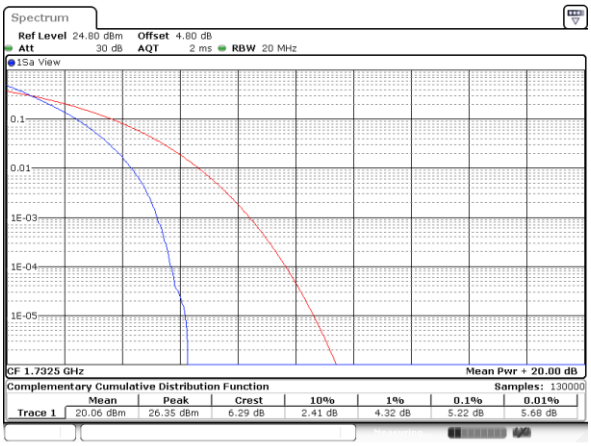
Lowest Channel / Full RB



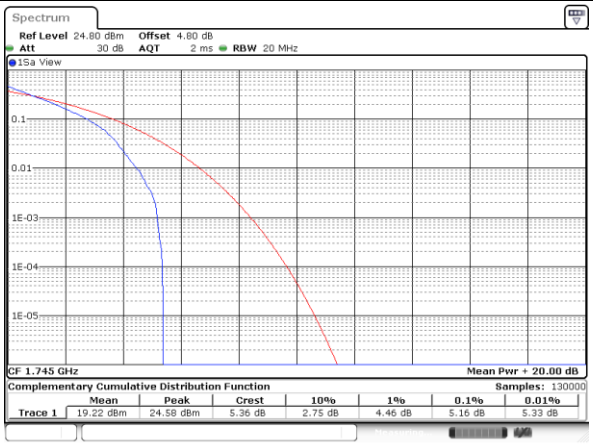
Middle Channel / 1RB



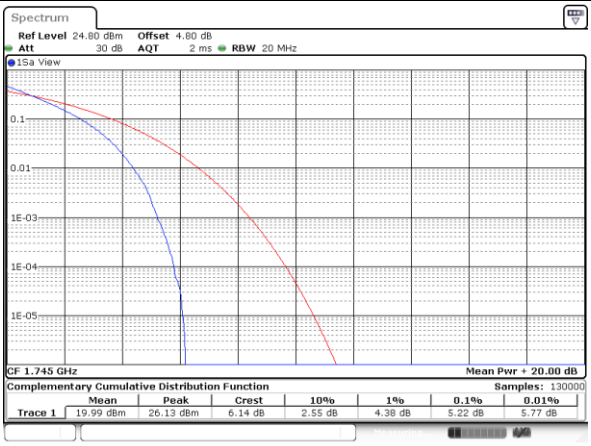
Middle Channel / Full RB



Highest Channel / 1RB

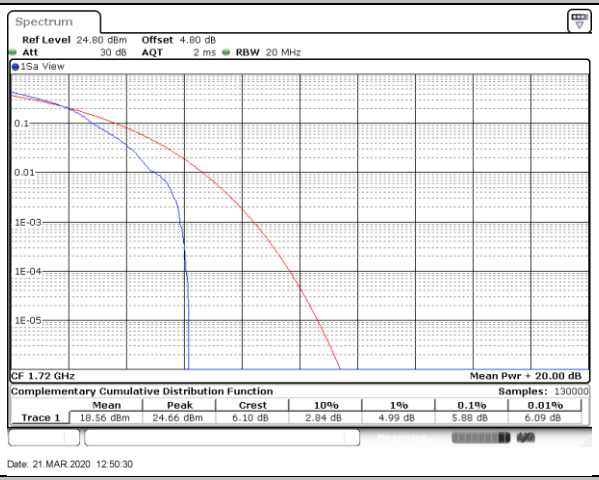


Highest Channel / Full RB

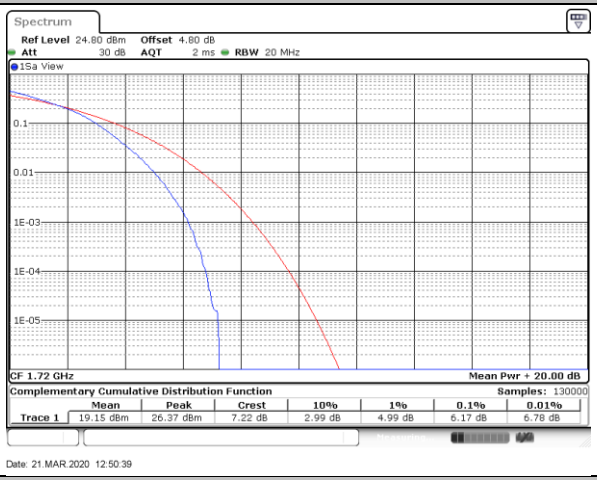


LTE Band 4 / 20MHz / 16QAM

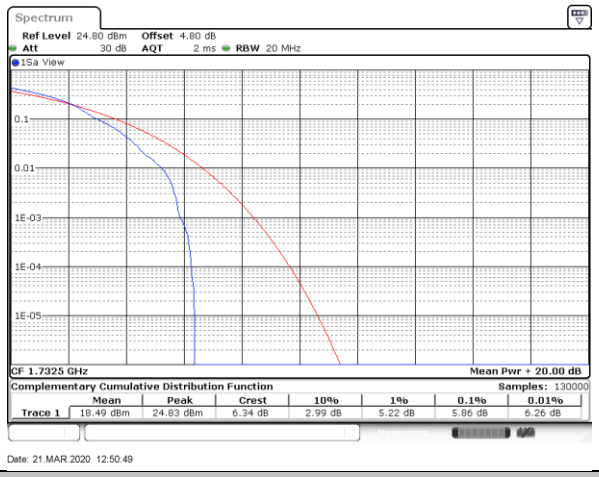
Lowest Channel / 1RB



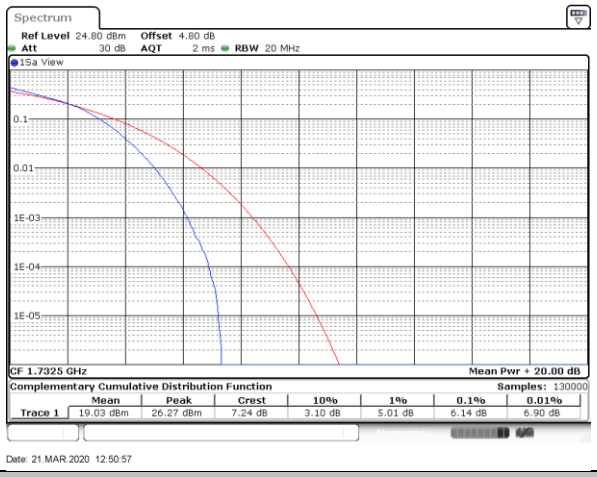
Lowest Channel / Full RB



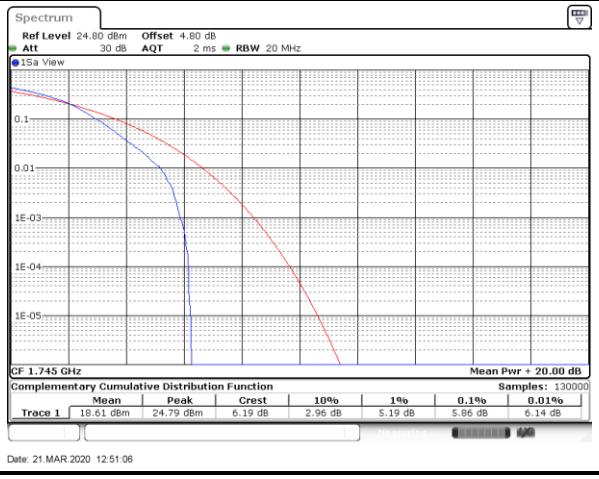
Middle Channel / 1RB



Middle Channel / Full RB



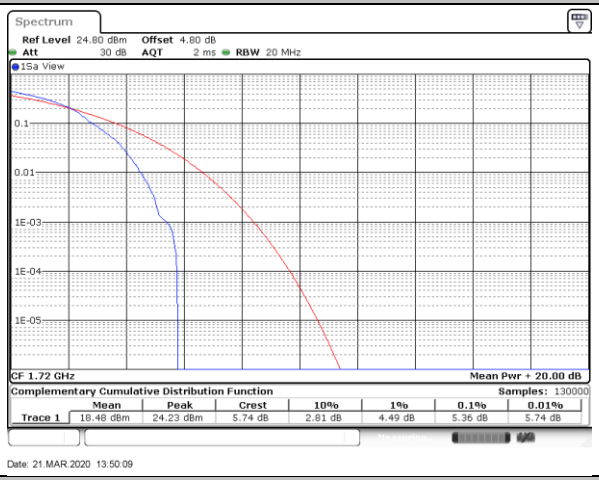
Highest Channel / 1RB



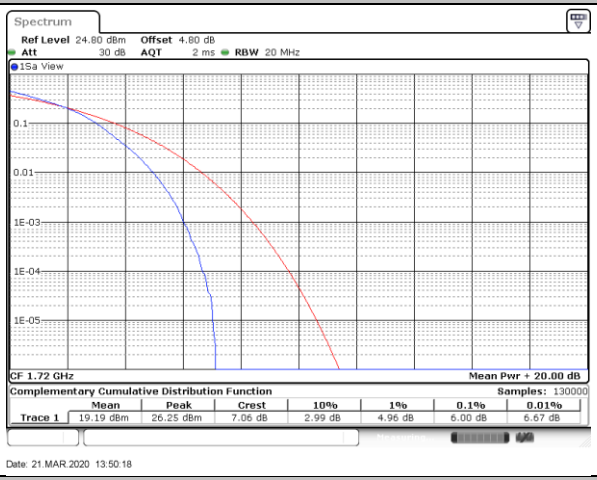
Highest Channel / Full RB

LTE Band 4 / 20MHz / 64QAM

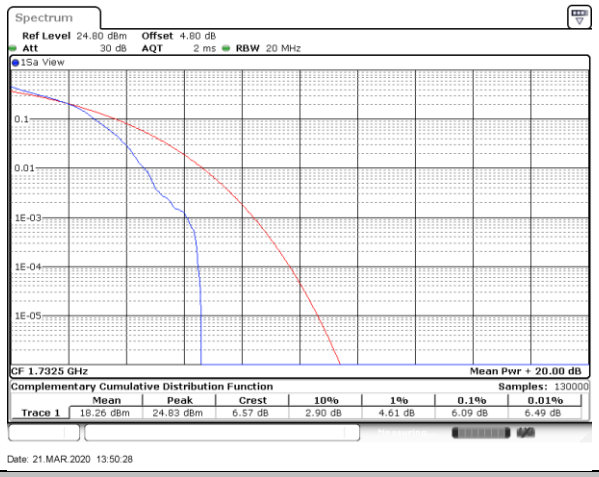
Lowest Channel / 1RB



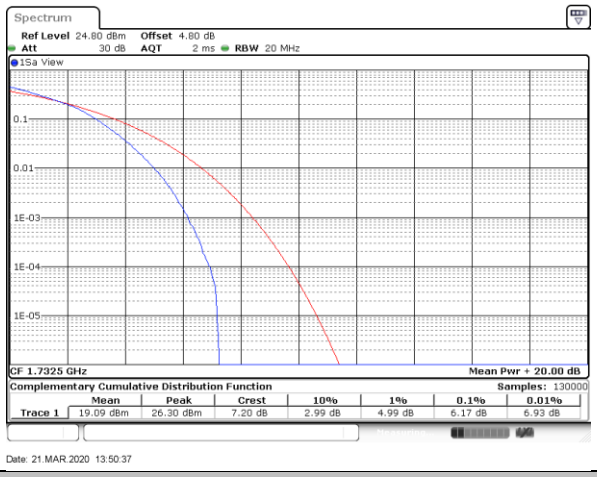
Lowest Channel / Full RB



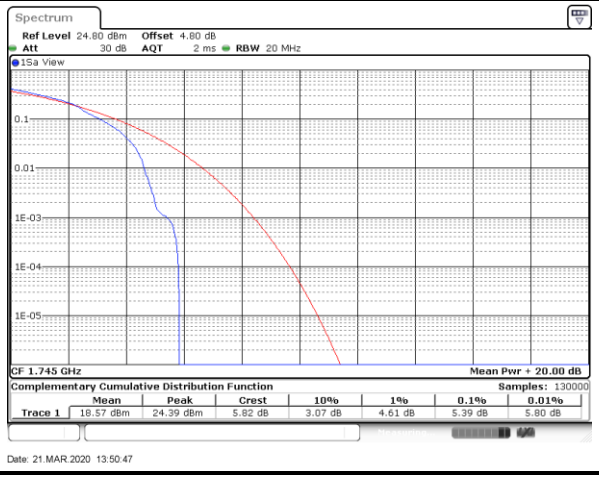
Middle Channel / 1RB



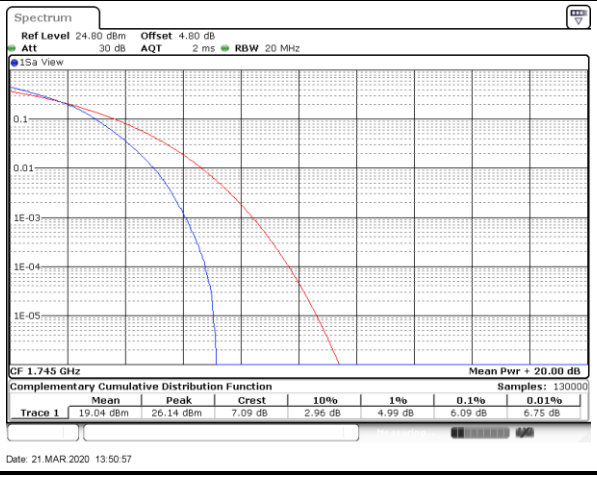
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

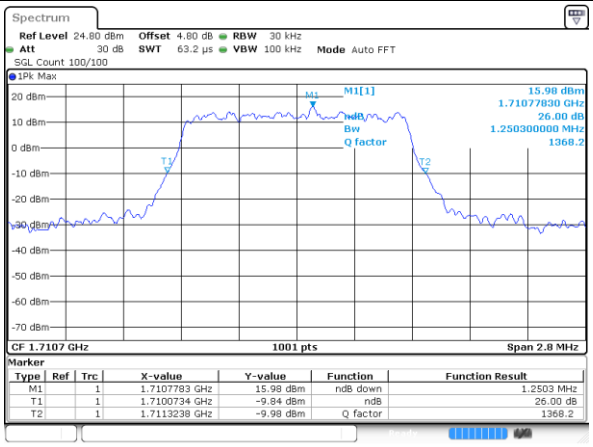


26dB Bandwidth

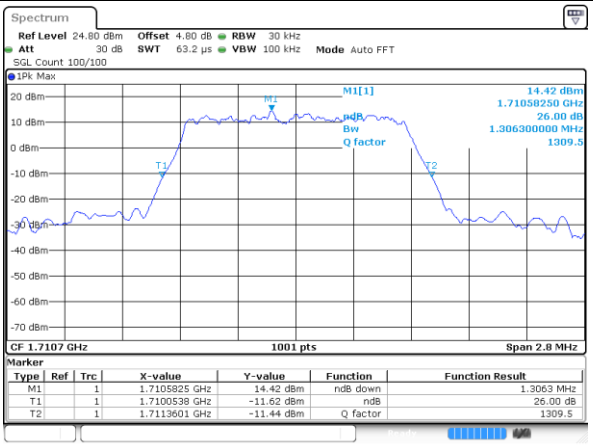
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.25	1.31	2.95	2.96	4.85	4.84	9.71	9.69	14.54	14.36	20.18	20.18
Middle CH	1.27	1.28	2.93	2.97	4.84	4.85	9.81	9.81	14.27	14.21	20.18	20.18
Highest CH	1.26	1.28	2.97	2.99	4.78	4.94	9.87	9.69	14.36	14.39	20.18	20.22
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.99	-	4.78	-	9.81	-	14.24	-	20.22	-
Middle CH	1.24	-	2.95	-	4.84	-	9.69	-	14.51	-	20.06	-
Highest CH	1.26	-	2.96	-	4.82	-	9.71	-	14.27	-	20.06	-

LTE Band 4

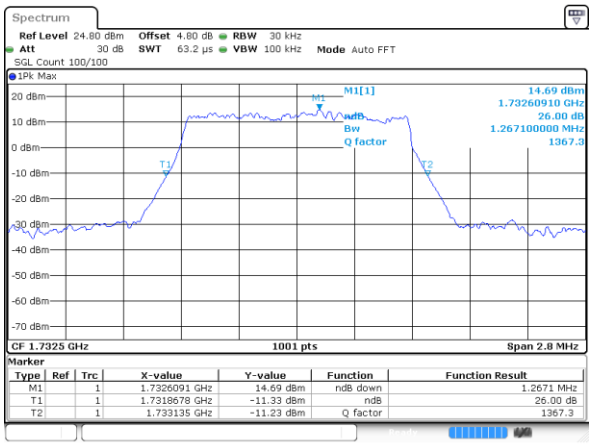
Lowest Channel / 1.4MHz / QPSK



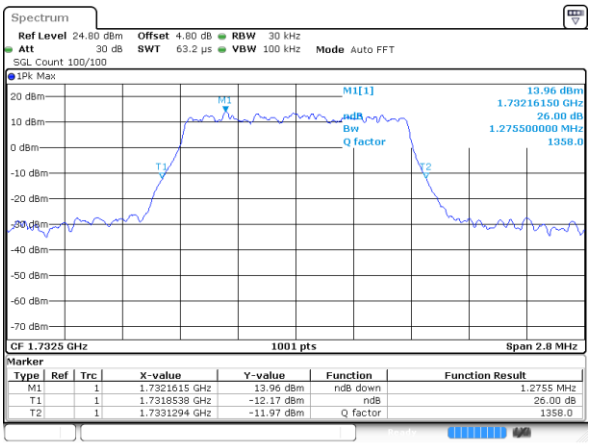
Lowest Channel / 1.4MHz / 16QAM



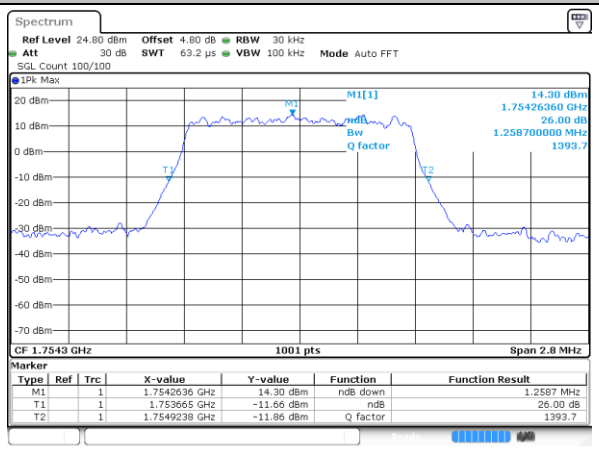
Middle Channel / 1.4MHz / QPSK



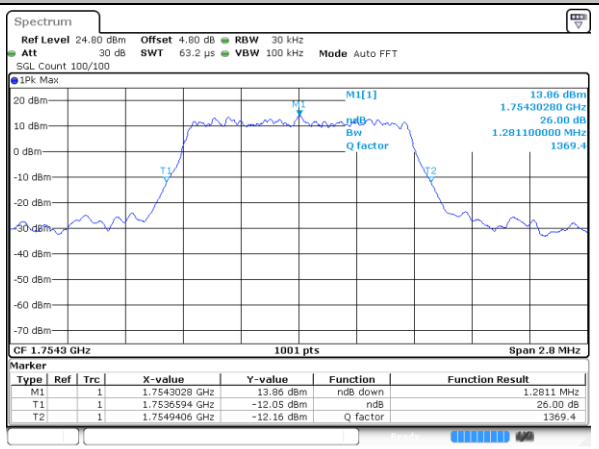
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

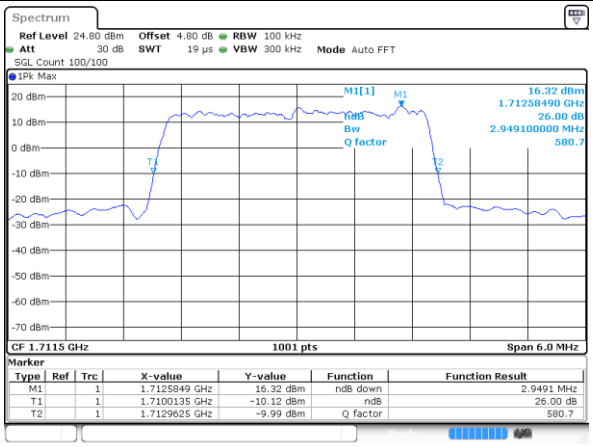


Highest Channel / 1.4MHz / 16QAM

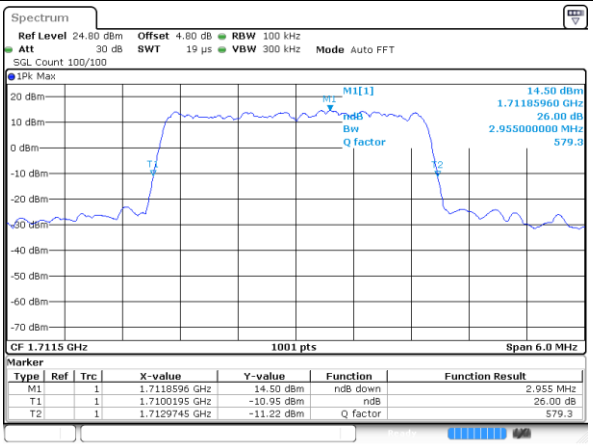


LTE Band 4

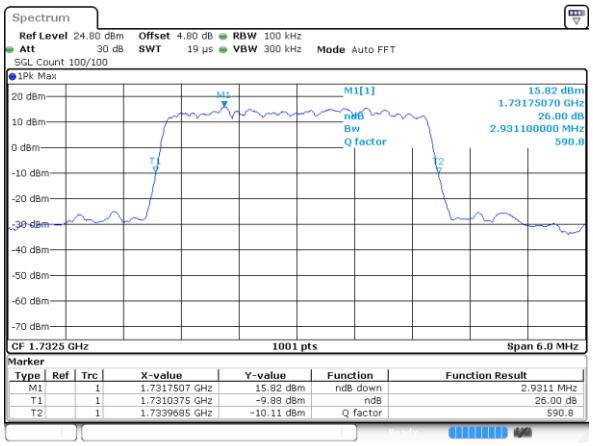
Lowest Channel / 3MHz / QPSK



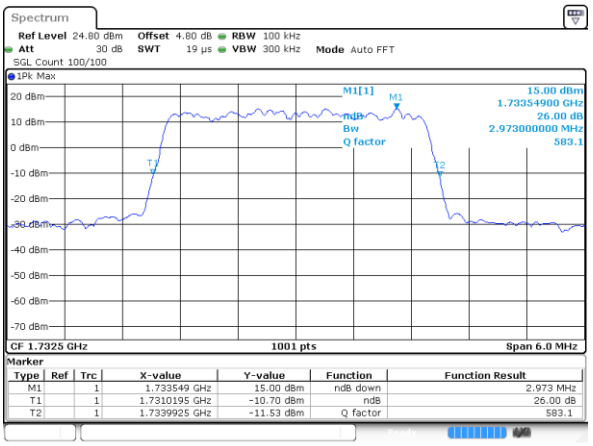
Lowest Channel / 3MHz / 16QAM



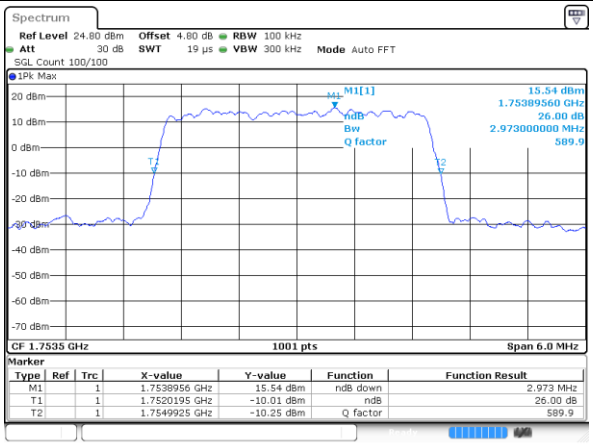
Middle Channel / 3MHz / QPSK



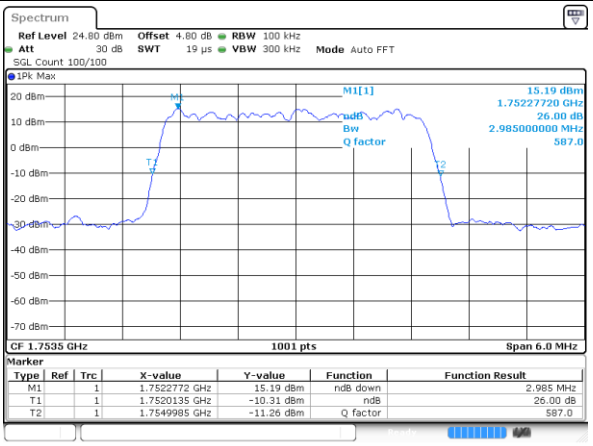
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

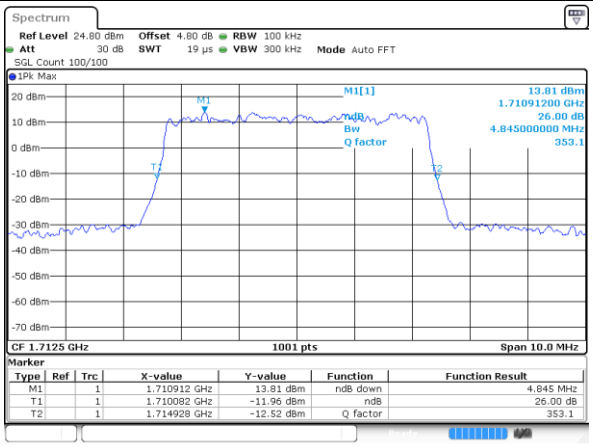


Highest Channel / 3MHz / 16QAM

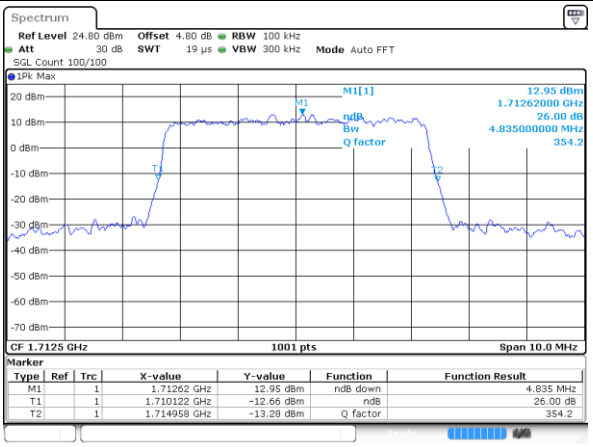


LTE Band 4

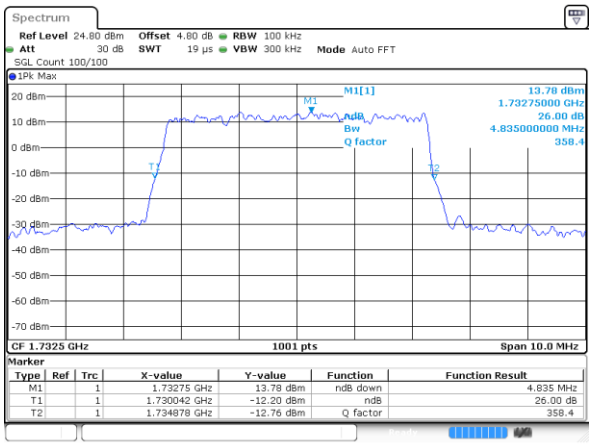
Lowest Channel / 5MHz / QPSK



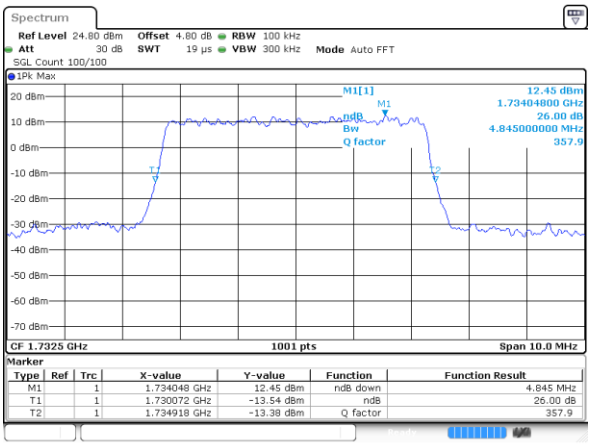
Lowest Channel / 5MHz / 16QAM



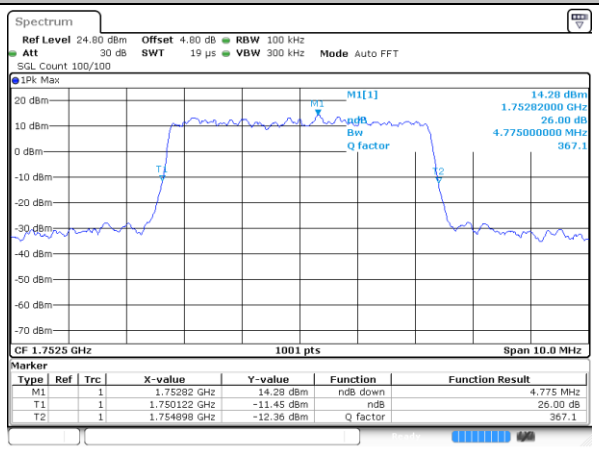
Middle Channel / 5MHz / QPSK



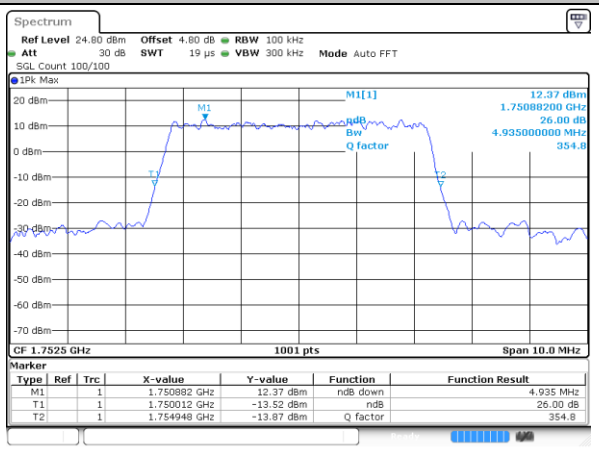
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

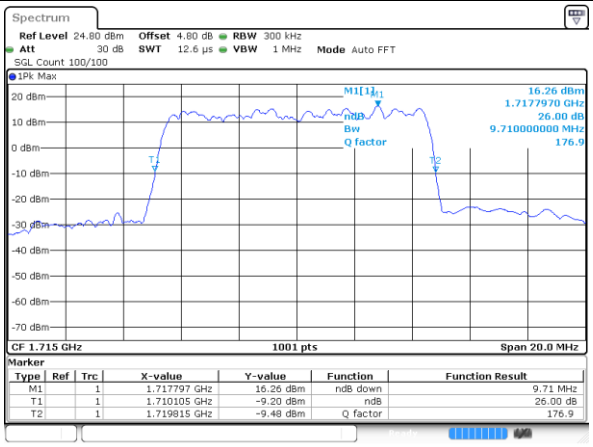


Highest Channel / 5MHz / 16QAM

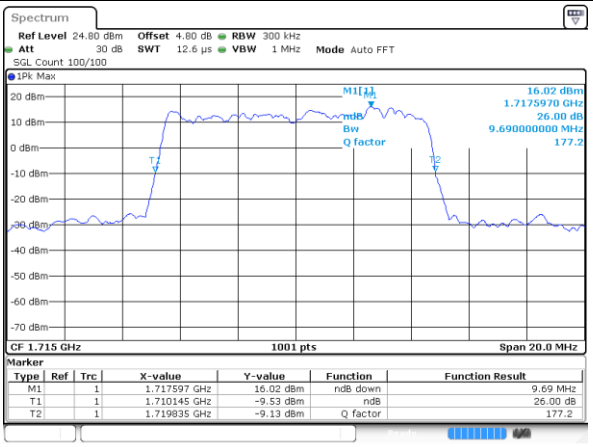


LTE Band 4

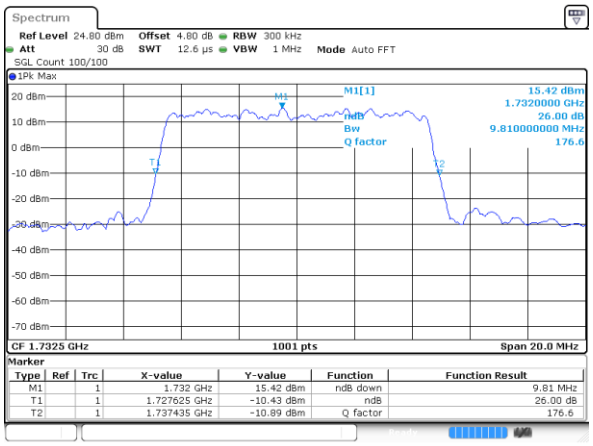
Lowest Channel / 10MHz / QPSK



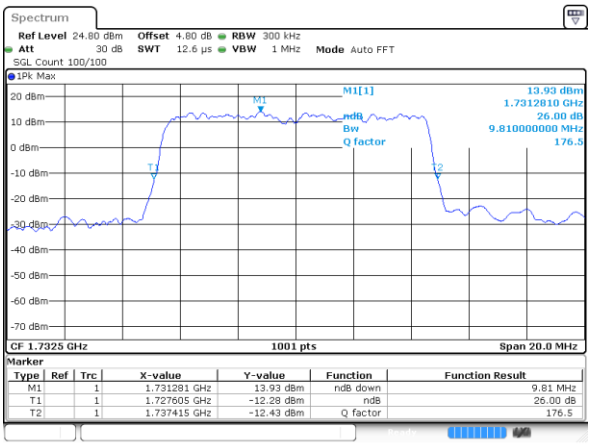
Lowest Channel / 10MHz / 16QAM



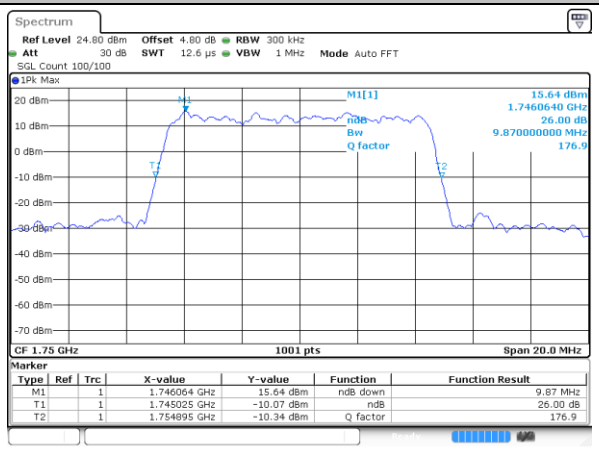
Middle Channel / 10MHz / QPSK



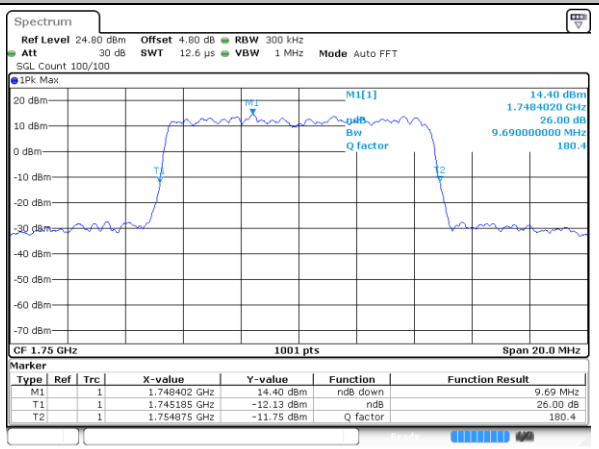
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

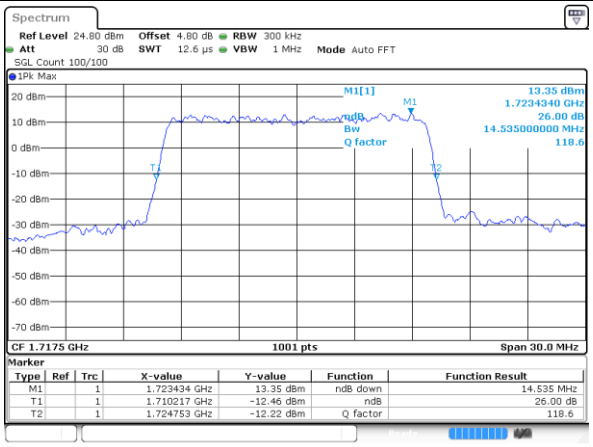


Highest Channel / 10MHz / 16QAM

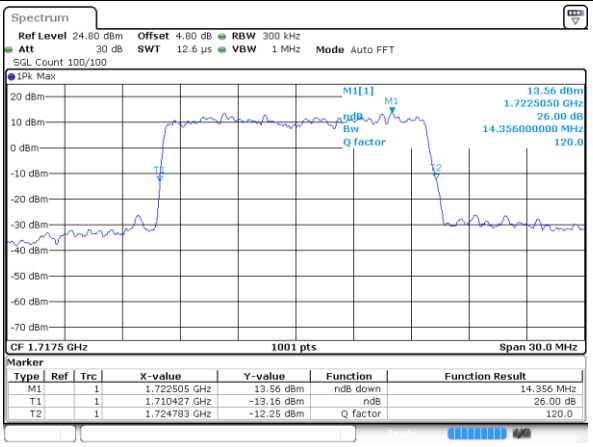


LTE Band 4

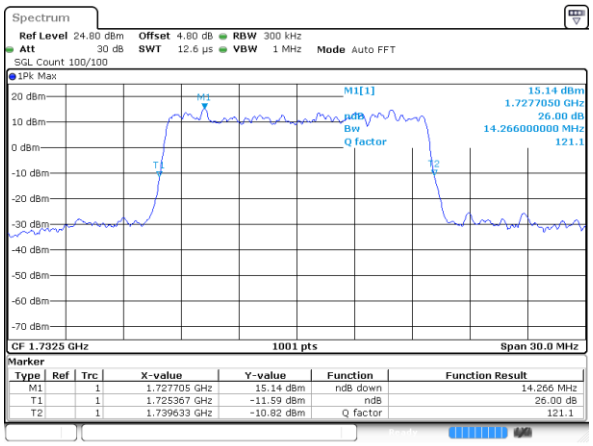
Lowest Channel / 15MHz / QPSK



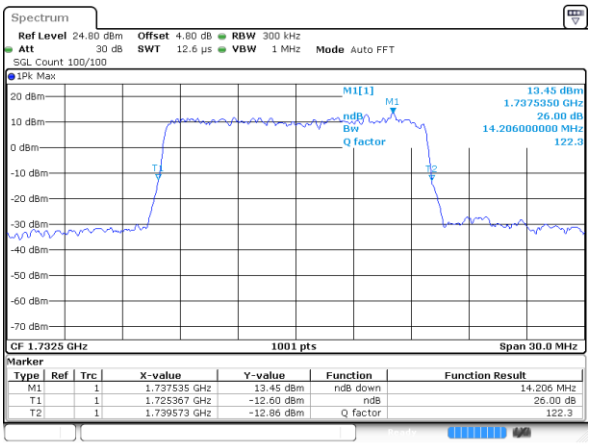
Lowest Channel / 15MHz / 16QAM



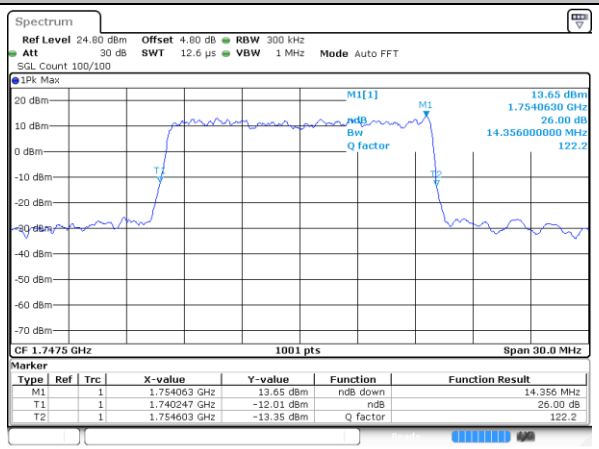
Middle Channel / 15MHz / QPSK



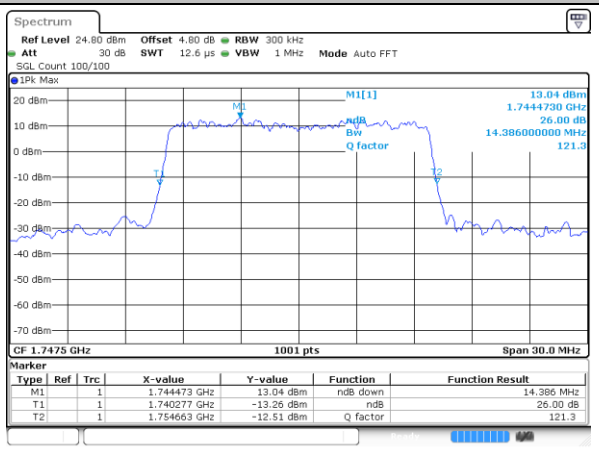
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

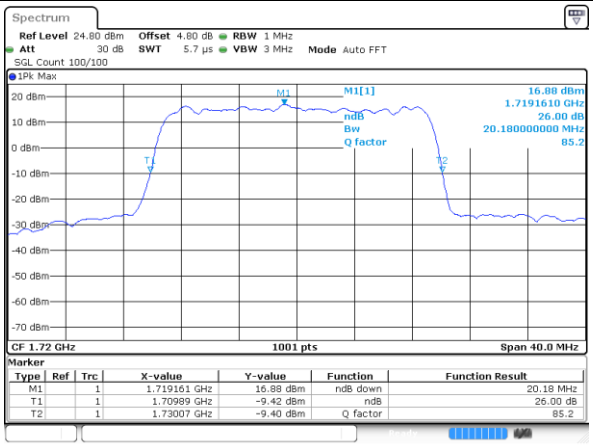


Highest Channel / 15MHz / 16QAM

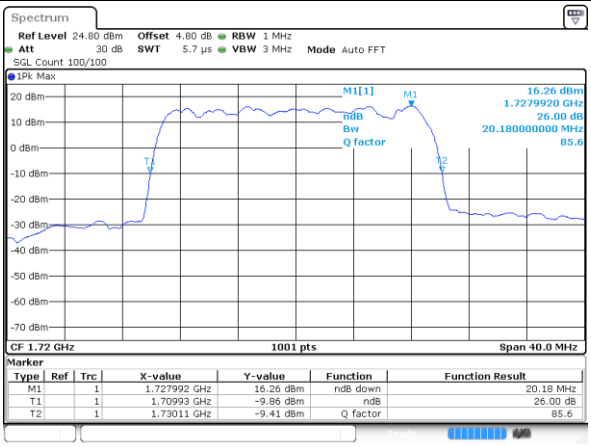


LTE Band 4

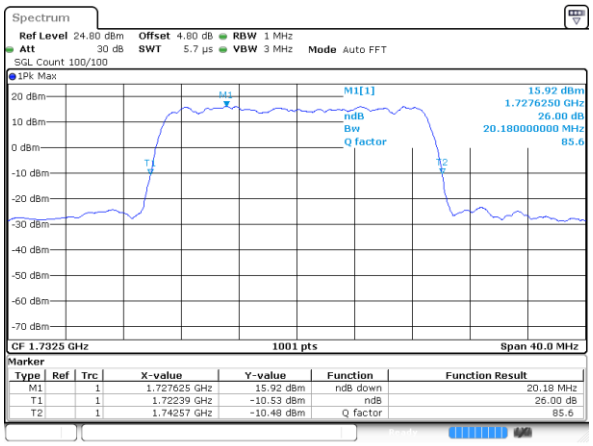
Lowest Channel / 20MHz / QPSK



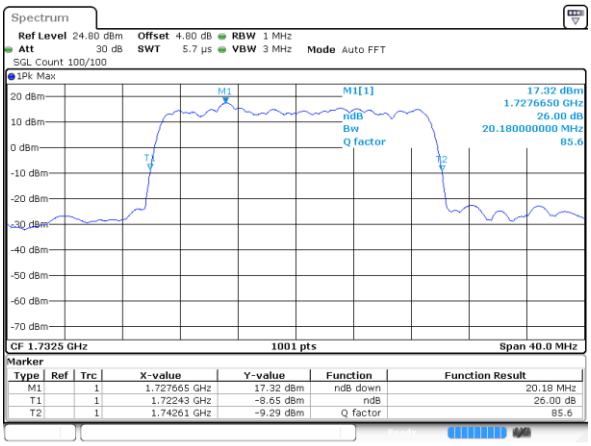
Lowest Channel / 20MHz / 16QAM



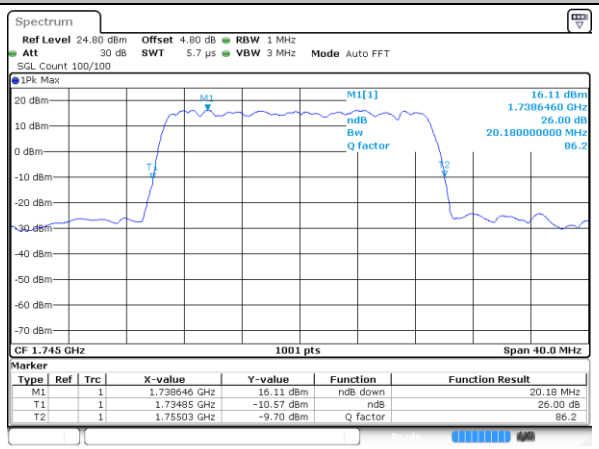
Middle Channel / 20MHz / QPSK



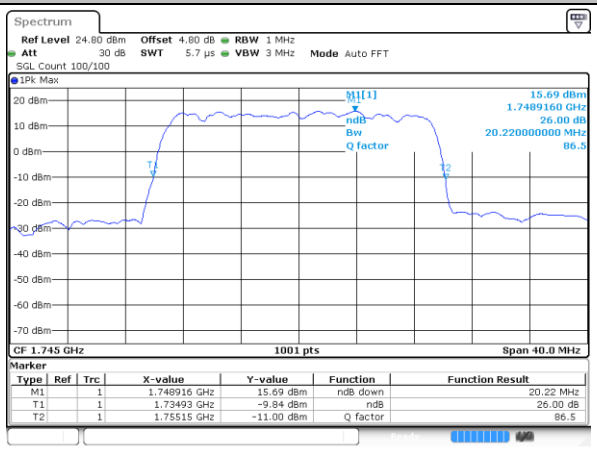
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

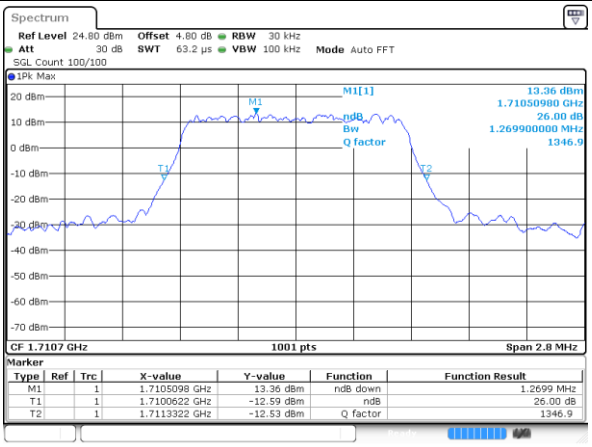


Highest Channel / 20MHz / 16QAM

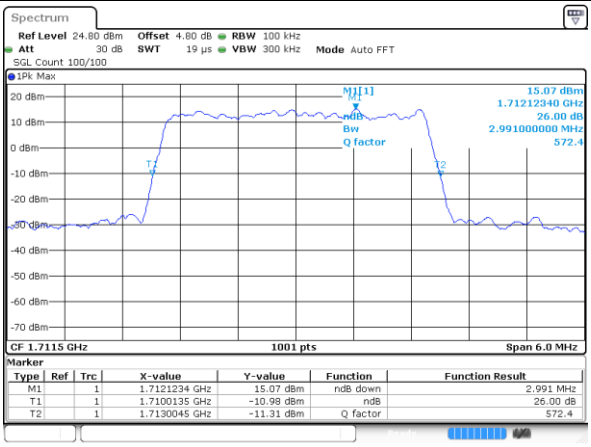


LTE Band 4

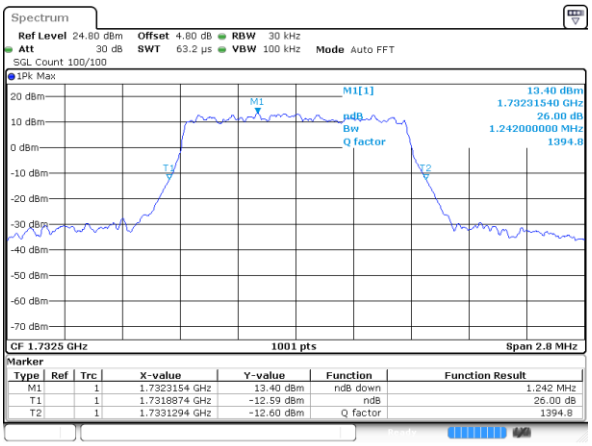
Lowest Channel / 1.4MHz / 64QAM



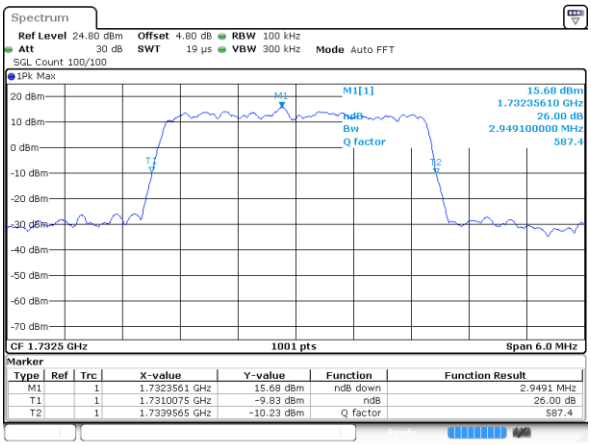
Lowest Channel / 3MHz / 64QAM



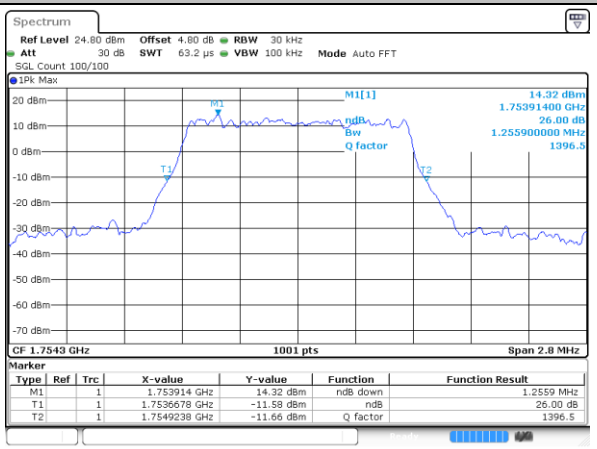
Middle Channel / 1.4MHz / 64QAM



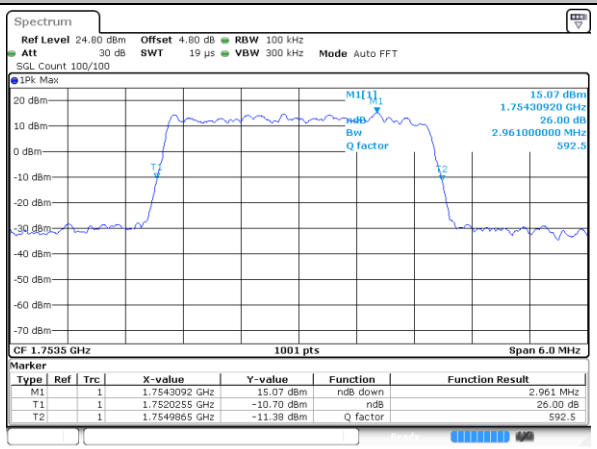
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

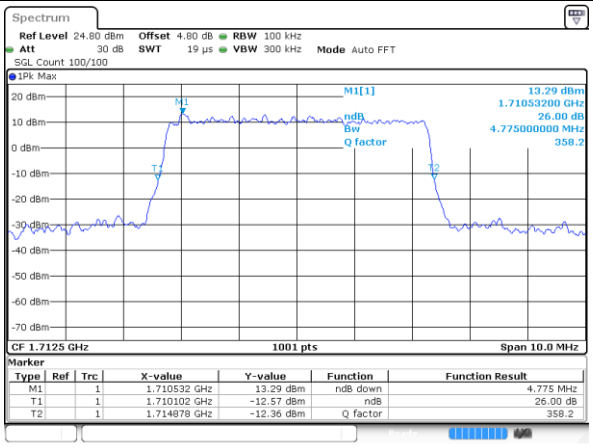


Highest Channel / 3MHz / 64QAM

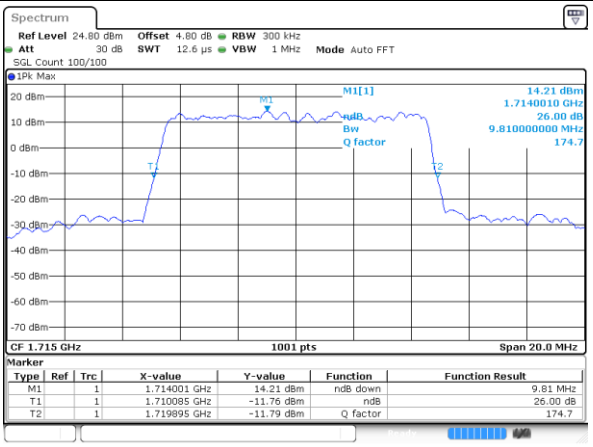


LTE Band 4

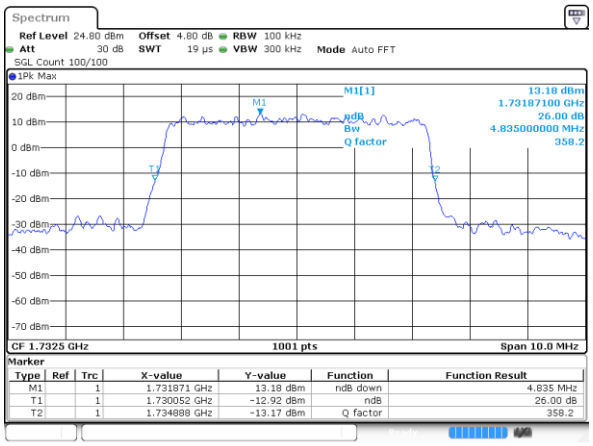
Lowest Channel / 5MHz / 64QAM



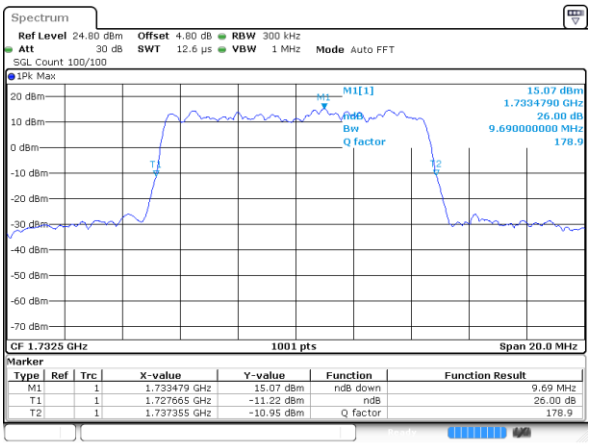
Lowest Channel / 10MHz / 64QAM



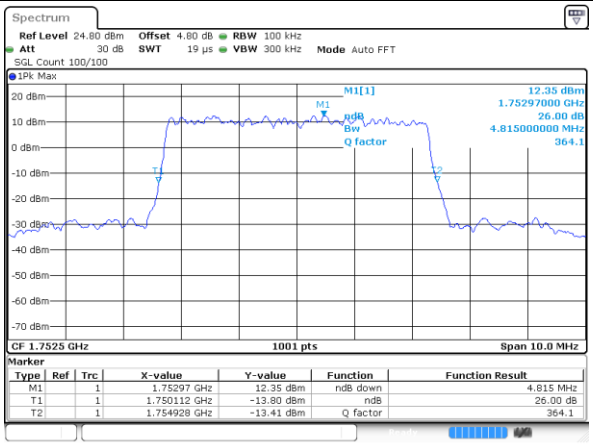
Middle Channel / 5MHz / 64QAM



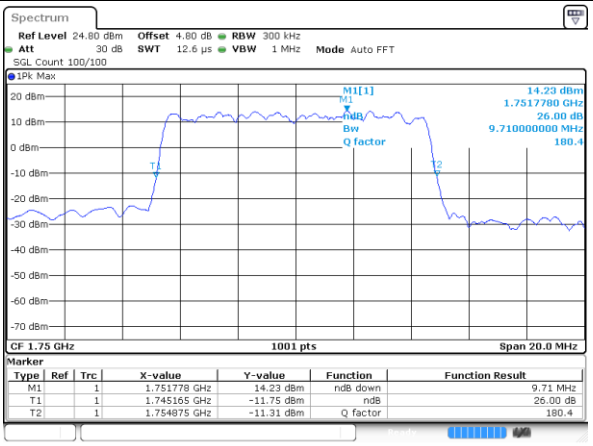
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

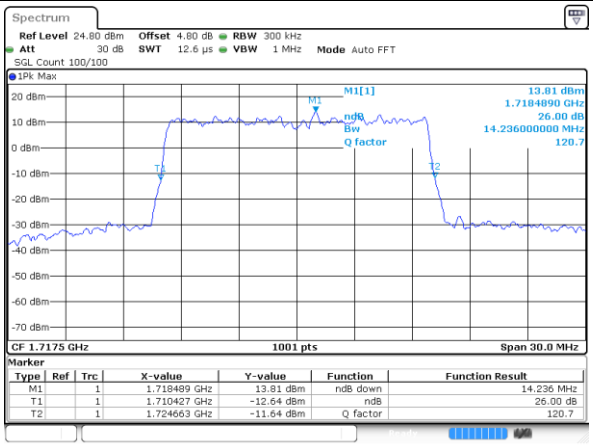


Highest Channel / 10MHz / 64QAM

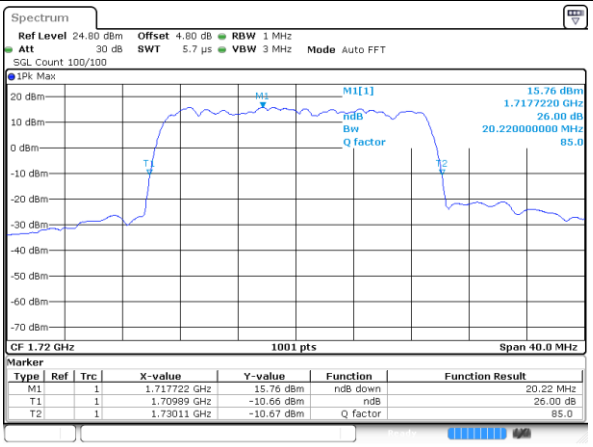


LTE Band 4

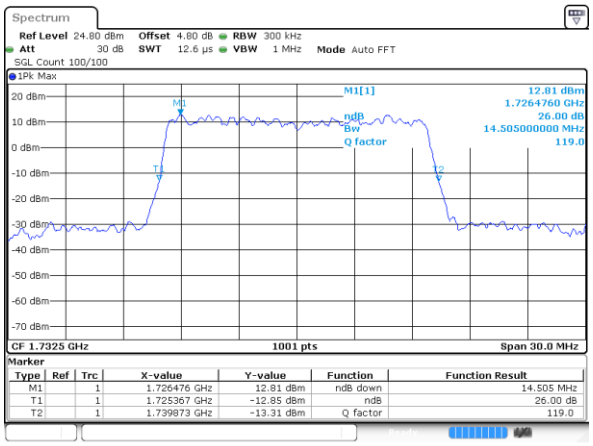
Lowest Channel / 15MHz / 64QAM



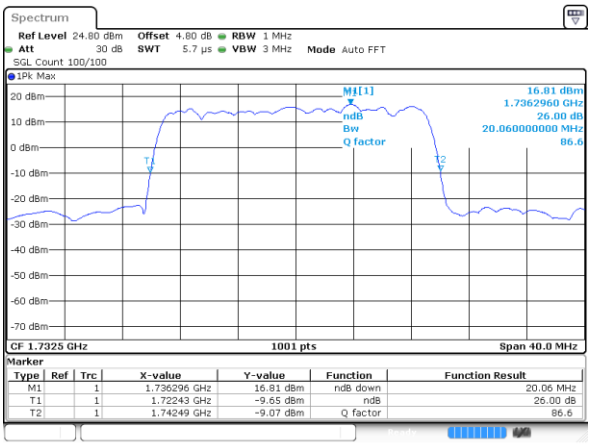
Lowest Channel / 20MHz / 64QAM



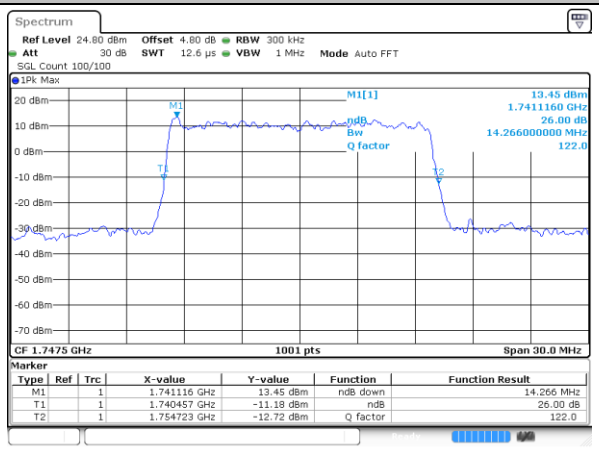
Middle Channel / 15MHz / 64QAM



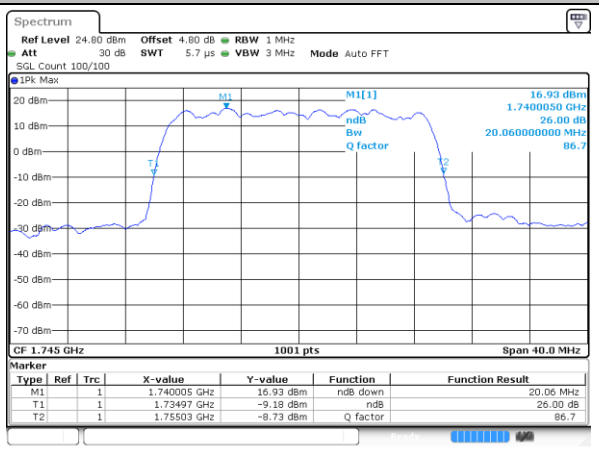
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

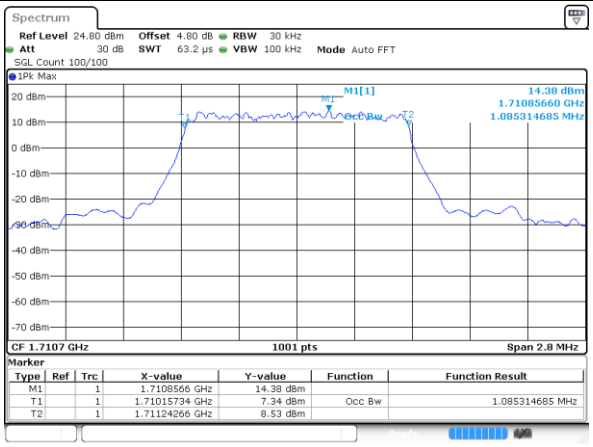


Occupied Bandwidth

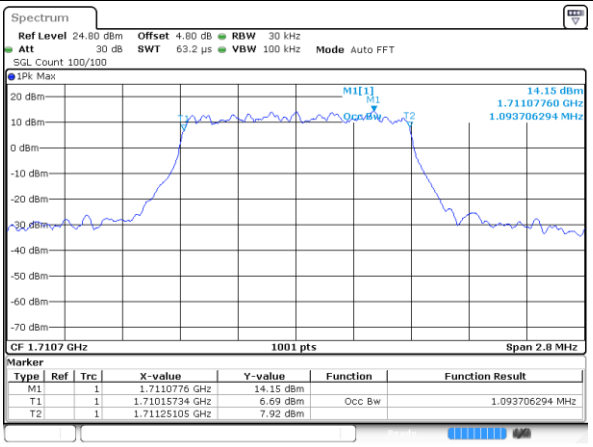
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.70	2.70	4.48	4.50	9.03	9.05	13.46	13.40	18.34	18.38
Middle CH	1.08	1.10	2.69	2.70	4.49	4.49	9.01	9.01	13.40	13.46	18.42	18.54
Highest CH	1.09	1.08	2.71	2.72	4.48	4.50	9.05	9.05	13.43	13.46	18.30	18.34
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08	-	2.73	-	4.48	-	9.05	-	13.43	-	18.50	-
Middle CH	1.09	-	2.71	-	4.49	-	9.05	-	13.43	-	18.50	-
Highest CH	1.09	-	2.72	-	4.48	-	9.01	-	13.43	-	18.42	-

LTE Band 4

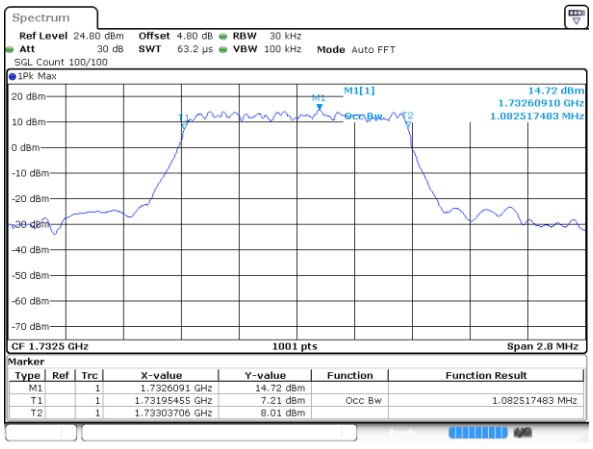
Lowest Channel / 1.4MHz / QPSK



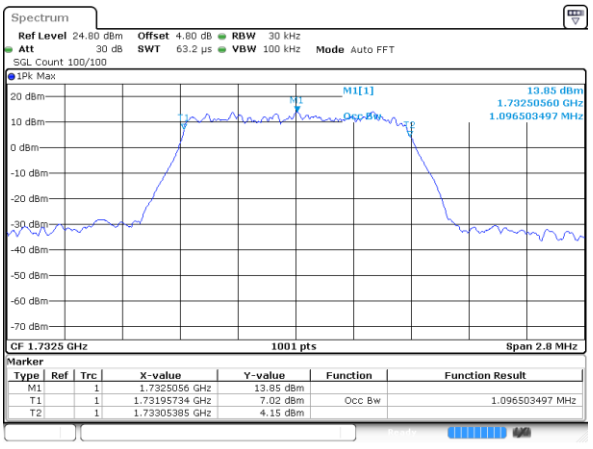
Lowest Channel / 1.4MHz / 16QAM



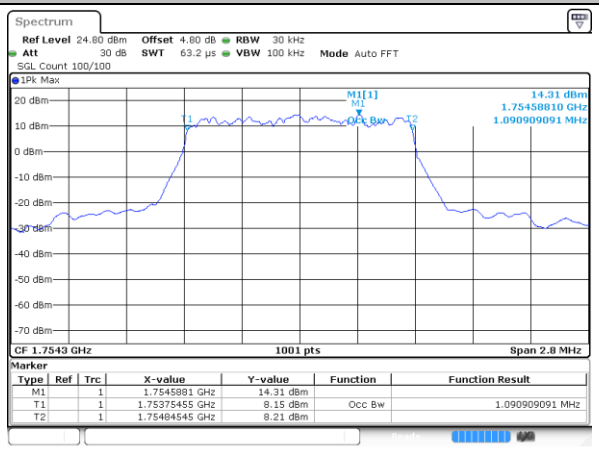
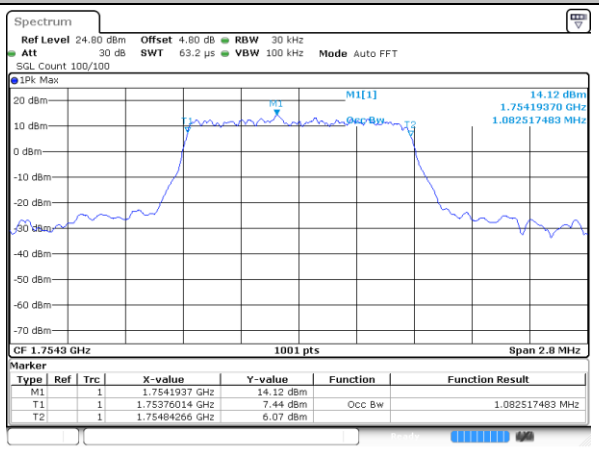
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM