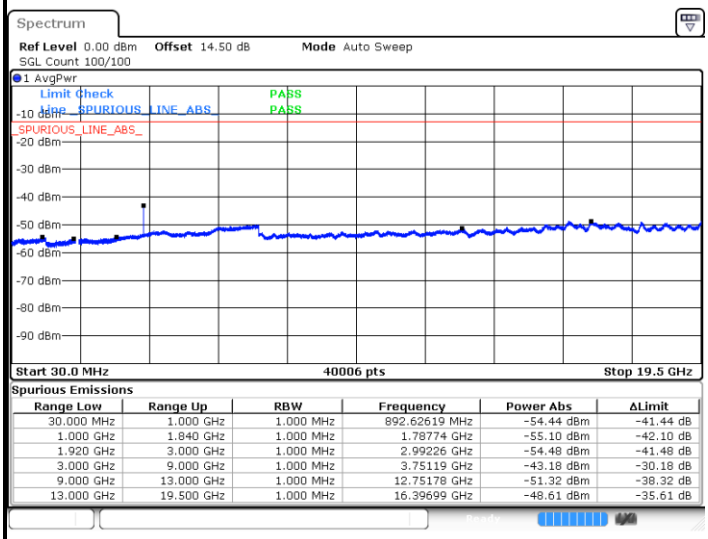
LTE Band 2 / 10MHz

Middle Channel / QPSK

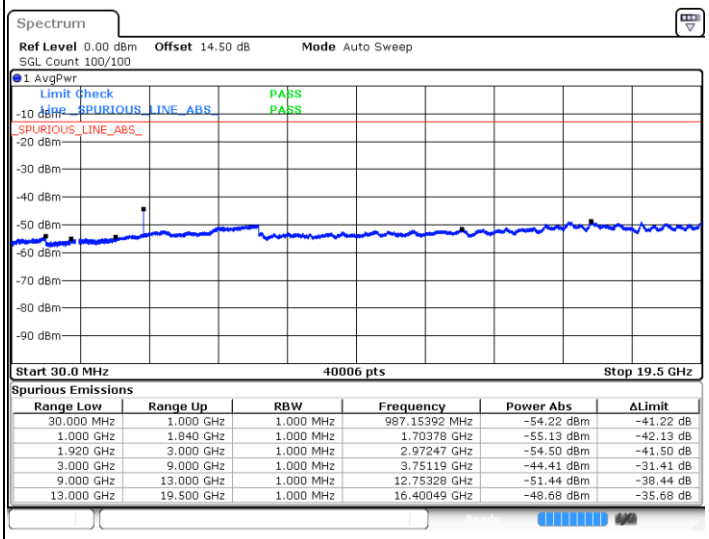


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-54.44 dBm	-41.44 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78774 GHz	-55.10 dBm	-42.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99226 GHz	-54.48 dBm	-41.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-43.18 dBm	-30.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75178 GHz	-51.32 dBm	-38.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39699 GHz	-48.61 dBm	-35.61 dB

Date: 30.JUL.2021 16:10:03

Middle Channel / 16QAM

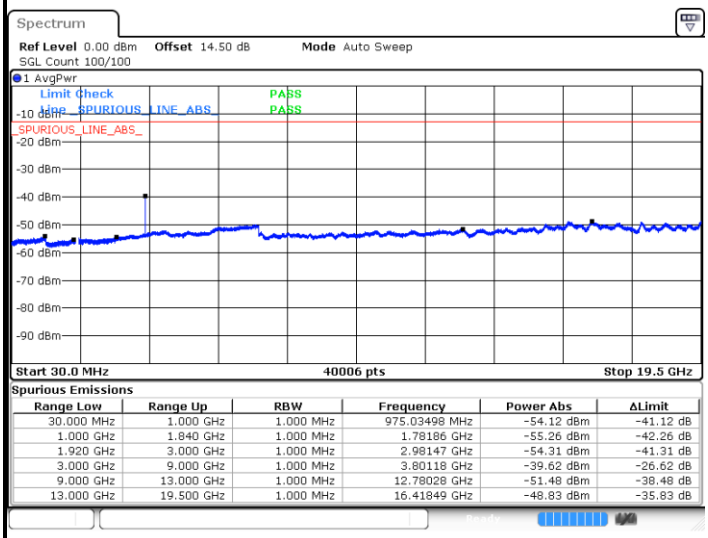


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-54.22 dBm	-41.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.70378 GHz	-55.13 dBm	-42.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97247 GHz	-54.50 dBm	-41.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-44.41 dBm	-31.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75328 GHz	-51.44 dBm	-38.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40049 GHz	-48.68 dBm	-35.68 dB

Date: 30.JUL.2021 16:11:02

Highest Channel / QPSK

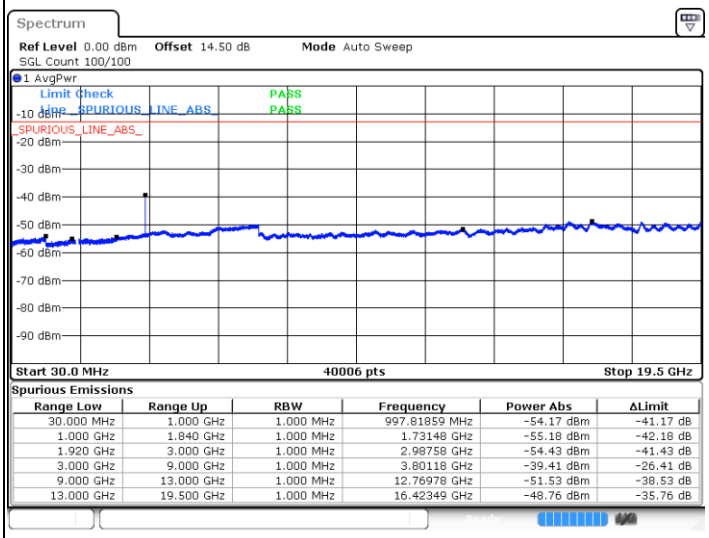


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78186 GHz	-55.26 dBm	-42.26 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98147 GHz	-54.31 dBm	-41.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-39.62 dBm	-26.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.78028 GHz	-51.48 dBm	-38.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.41849 GHz	-48.83 dBm	-35.83 dB

Date: 30.JUL.2021 16:19:22

Highest Channel / 16QAM



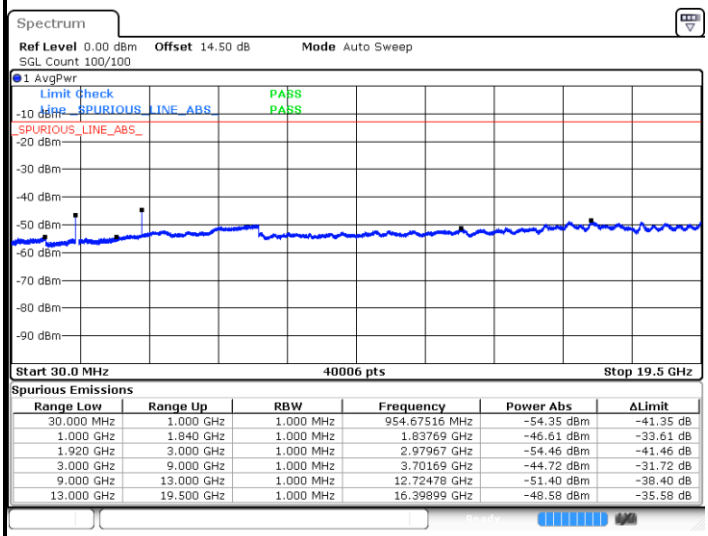
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-54.17 dBm	-41.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73148 GHz	-55.18 dBm	-42.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98758 GHz	-54.43 dBm	-41.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-39.41 dBm	-26.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76978 GHz	-51.53 dBm	-38.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.42349 GHz	-48.76 dBm	-35.76 dB

Date: 30.JUL.2021 16:20:21

LTE Band 2 / 15MHz

Lowest Channel / QPSK

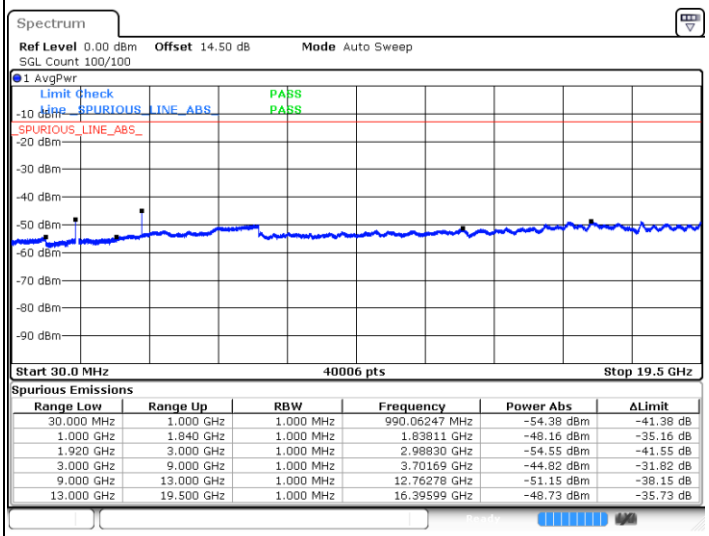


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-54.35 dBm	-41.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-46.61 dBm	-33.61 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97967 GHz	-54.46 dBm	-41.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-44.72 dBm	-31.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72478 GHz	-51.40 dBm	-38.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39899 GHz	-48.58 dBm	-35.58 dB

Date: 30.JUL.2021 16:28:39

Lowest Channel / 16QAM

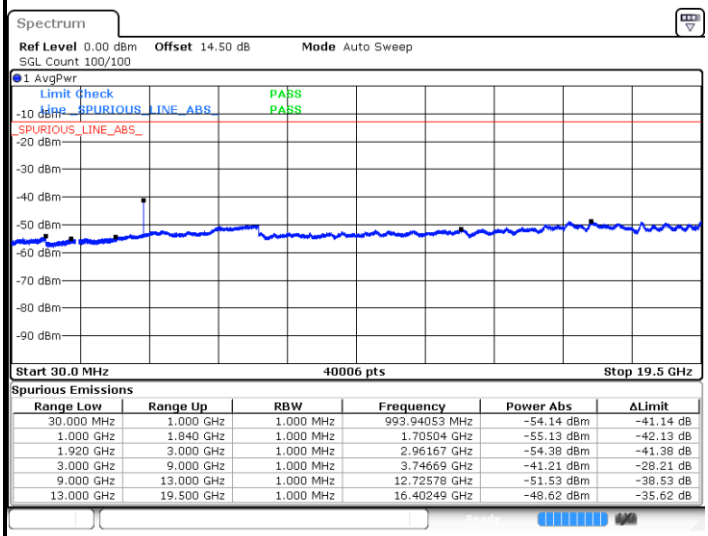


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-54.38 dBm	-41.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-48.16 dBm	-35.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98830 GHz	-54.55 dBm	-41.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-44.82 dBm	-31.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76278 GHz	-51.15 dBm	-38.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39599 GHz	-48.73 dBm	-35.73 dB

Date: 30.JUL.2021 16:29:39

Middle Channel / QPSK

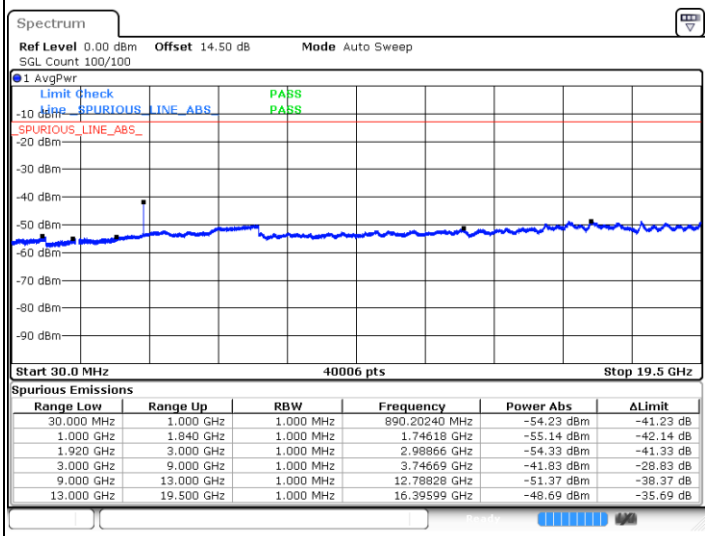


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.70504 GHz	-55.13 dBm	-42.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96167 GHz	-54.38 dBm	-41.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-41.21 dBm	-28.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72578 GHz	-51.53 dBm	-38.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40249 GHz	-48.62 dBm	-35.62 dB

Date: 30.JUL.2021 16:31:21

Middle Channel / 16QAM



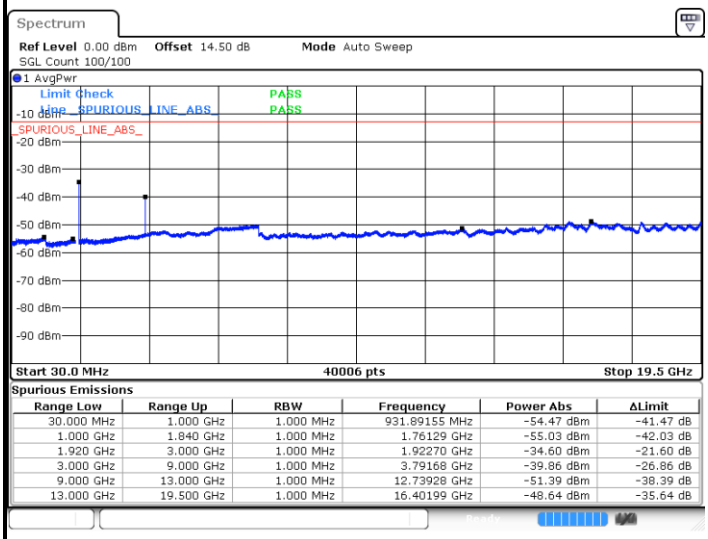
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-54.23 dBm	-41.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74618 GHz	-55.14 dBm	-42.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98866 GHz	-54.33 dBm	-41.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-41.83 dBm	-28.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.78828 GHz	-51.37 dBm	-38.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39599 GHz	-48.69 dBm	-35.69 dB

Date: 30.JUL.2021 16:32:21

LTE Band 2 / 15MHz

Highest Channel / QPSK

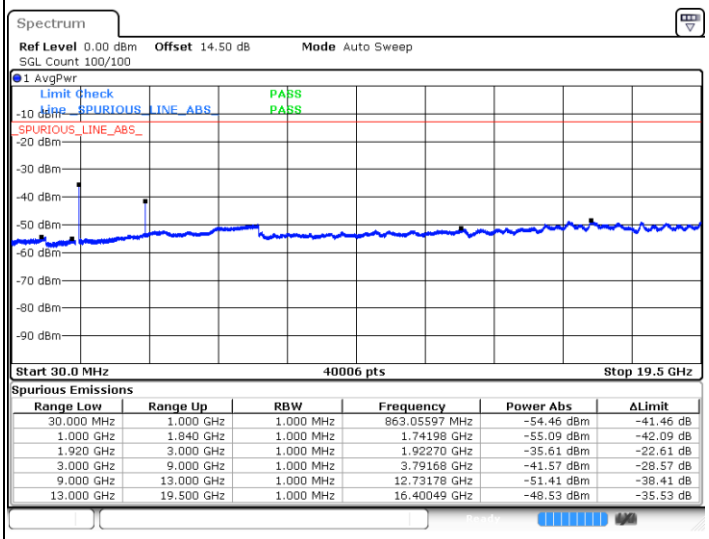


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-54.47 dBm	-41.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76129 GHz	-55.03 dBm	-42.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-34.60 dBm	-21.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-39.86 dBm	-26.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.73928 GHz	-51.39 dBm	-38.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40199 GHz	-48.64 dBm	-35.64 dB

Date: 30.JUL.2021 16:40:39

Highest Channel / 16QAM



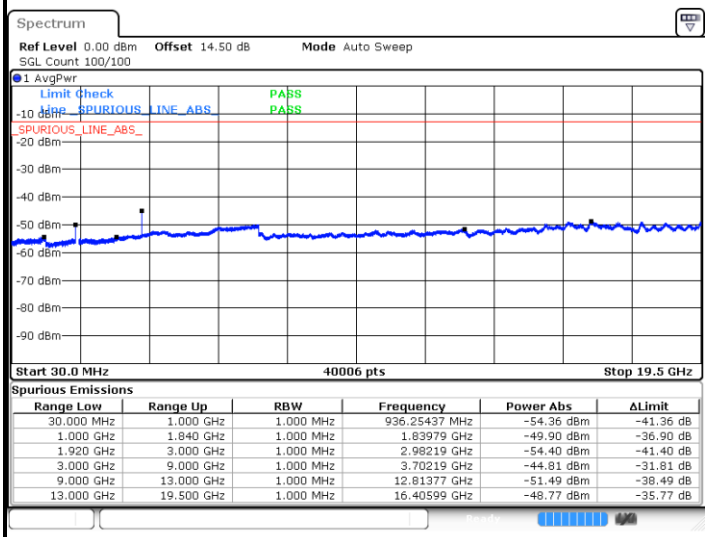
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	863.05597 MHz	-54.46 dBm	-41.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74198 GHz	-55.09 dBm	-42.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-35.61 dBm	-22.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-41.57 dBm	-28.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.73178 GHz	-51.41 dBm	-38.41 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40049 GHz	-48.53 dBm	-35.53 dB

Date: 30.JUL.2021 16:41:38

LTE Band 2 / 20MHz

Lowest Channel / QPSK

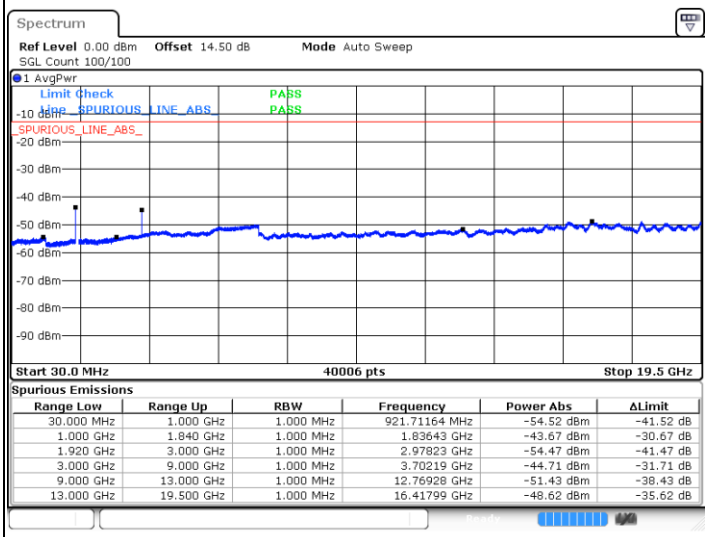


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.25437 MHz	-54.36 dBm	-41.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-49.90 dBm	-36.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98219 GHz	-54.40 dBm	-41.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-44.81 dBm	-31.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81377 GHz	-51.49 dBm	-38.49 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40599 GHz	-48.77 dBm	-35.77 dB

Date: 30.JUL.2021 16:49:57

Lowest Channel / 16QAM



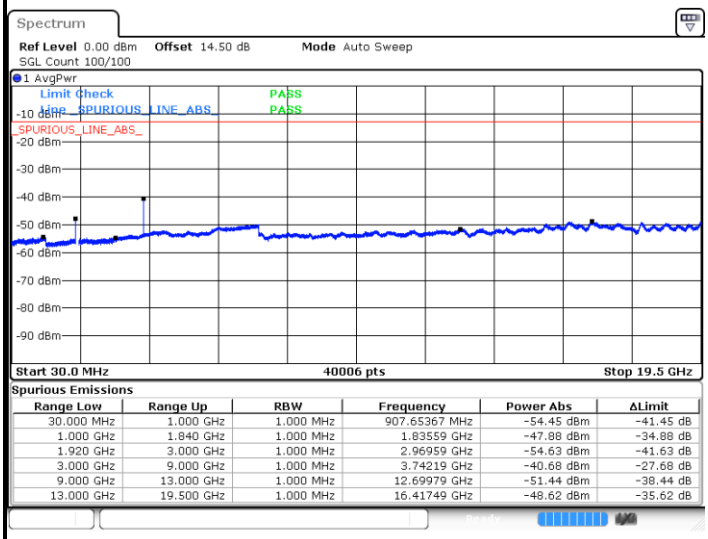
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-54.52 dBm	-41.52 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83643 GHz	-43.67 dBm	-30.67 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97823 GHz	-54.47 dBm	-41.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-44.71 dBm	-31.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76928 GHz	-51.43 dBm	-38.43 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.41799 GHz	-48.62 dBm	-35.62 dB

Date: 30.JUL.2021 16:50:56

LTE Band 2 / 20MHz

Middle Channel / QPSK

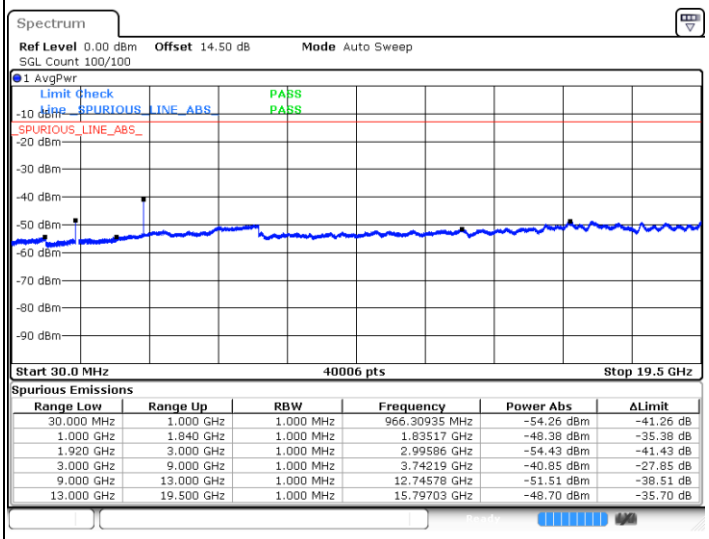


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-54.45 dBm	-41.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-47.88 dBm	-34.88 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96959 GHz	-54.63 dBm	-41.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-40.68 dBm	-27.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-51.44 dBm	-38.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.41749 GHz	-48.62 dBm	-35.62 dB

Date: 30.JUL.2021 16:52:39

Middle Channel / 16QAM

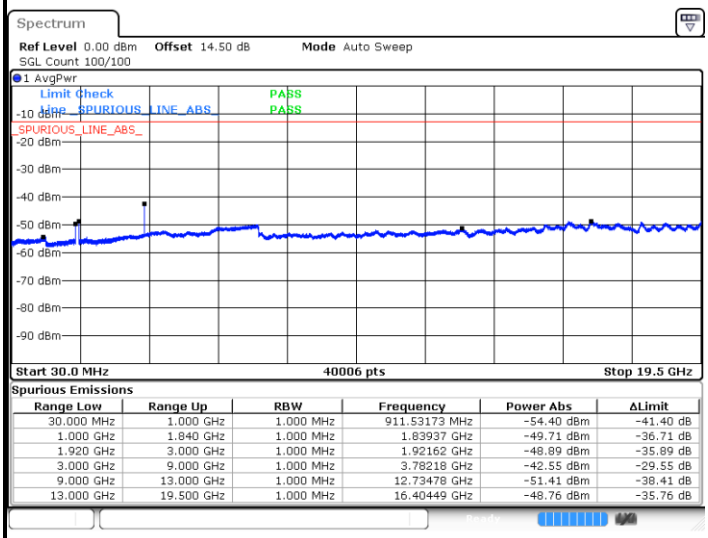


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.30935 MHz	-54.26 dBm	-41.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83517 GHz	-48.38 dBm	-35.38 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99586 GHz	-54.43 dBm	-41.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-40.85 dBm	-27.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74578 GHz	-51.51 dBm	-38.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.79703 GHz	-48.70 dBm	-35.70 dB

Date: 30.JUL.2021 16:53:38

Highest Channel / QPSK

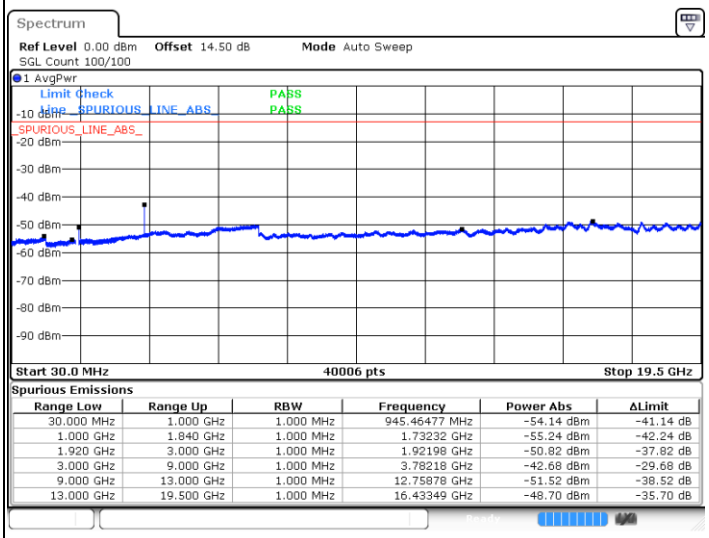


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.53173 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-49.71 dBm	-36.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92162 GHz	-48.89 dBm	-35.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-42.55 dBm	-29.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.73478 GHz	-51.41 dBm	-38.41 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40449 GHz	-48.76 dBm	-35.76 dB

Date: 30.JUL.2021 17:01:56

Highest Channel / 16QAM



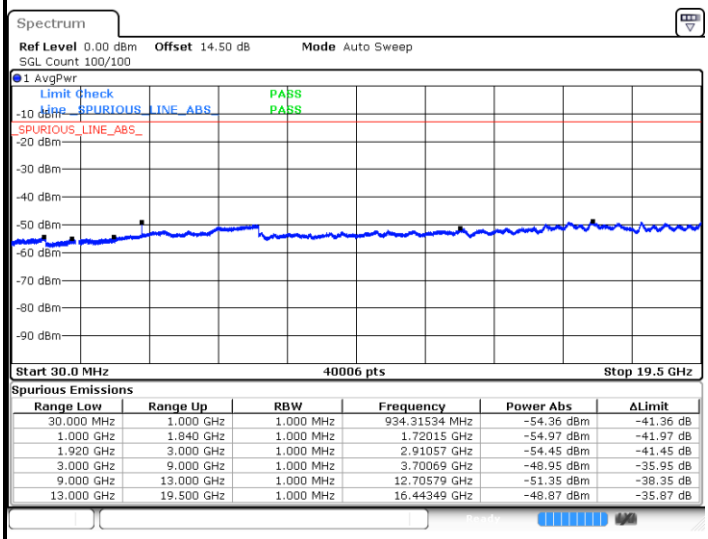
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.46477 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73232 GHz	-55.24 dBm	-42.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92198 GHz	-50.82 dBm	-37.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-42.68 dBm	-29.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75878 GHz	-51.52 dBm	-38.52 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.43349 GHz	-48.70 dBm	-35.70 dB

Date: 30.JUL.2021 17:02:56

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

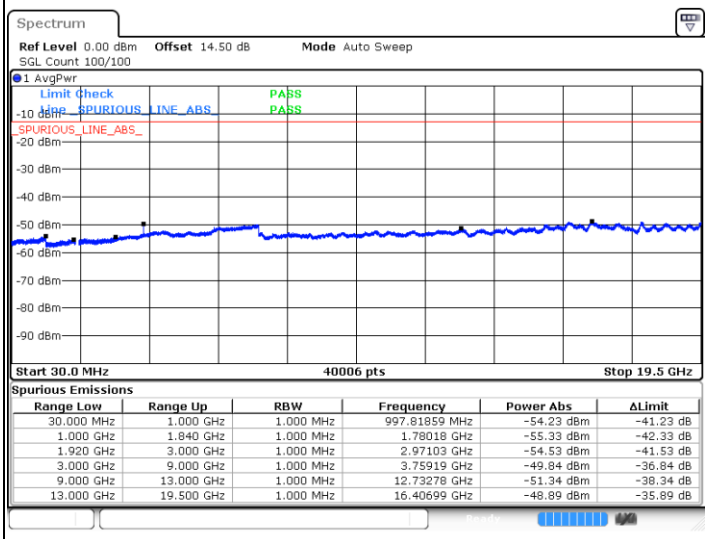


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-54.36 dBm	-41.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72015 GHz	-54.97 dBm	-41.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.91057 GHz	-54.45 dBm	-41.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.95 dBm	-35.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-51.35 dBm	-38.35 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.44349 GHz	-48.87 dBm	-35.87 dB

Date: 30.JUL.2021 14:49:07

Middle Channel / 64QAM

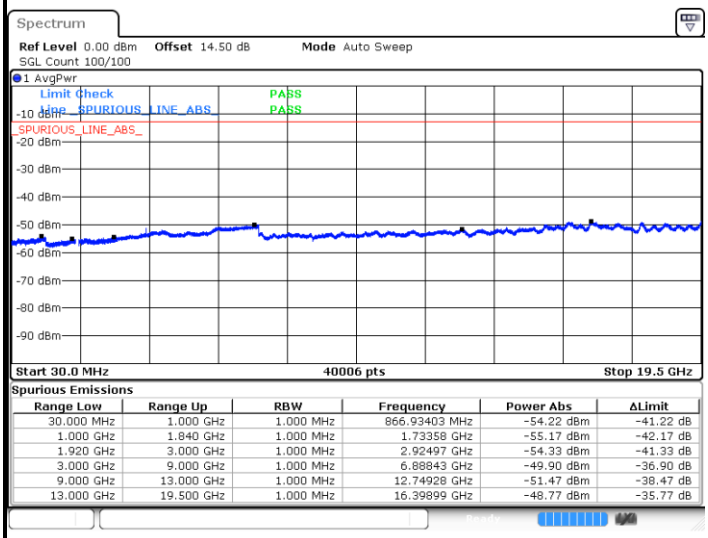


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-54.23 dBm	-41.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78018 GHz	-55.33 dBm	-42.33 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97103 GHz	-54.53 dBm	-41.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-49.84 dBm	-36.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.73278 GHz	-51.34 dBm	-38.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40699 GHz	-48.89 dBm	-35.89 dB

Date: 30.JUL.2021 14:50:28

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.93403 MHz	-54.22 dBm	-41.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73358 GHz	-55.17 dBm	-42.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.92497 GHz	-54.33 dBm	-41.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88843 GHz	-49.90 dBm	-36.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74928 GHz	-51.47 dBm	-38.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39899 GHz	-48.77 dBm	-35.77 dB

Date: 30.JUL.2021 14:55:07

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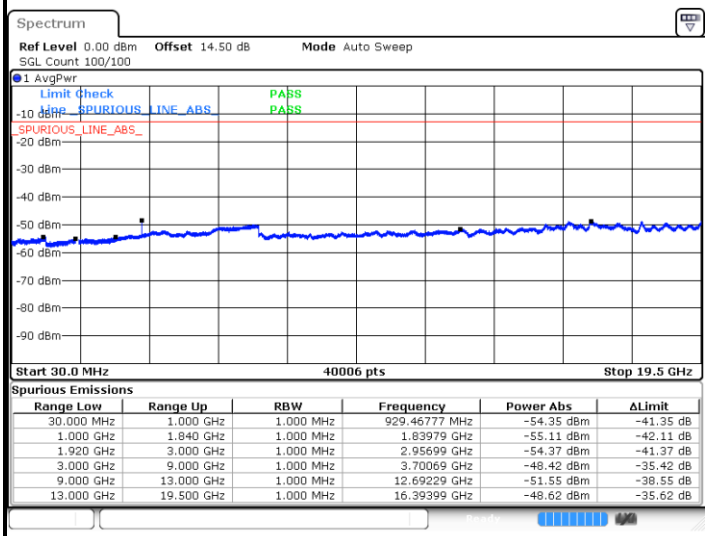
LTE Band 2 / 3MHz

Lowest Channel / 64QAM

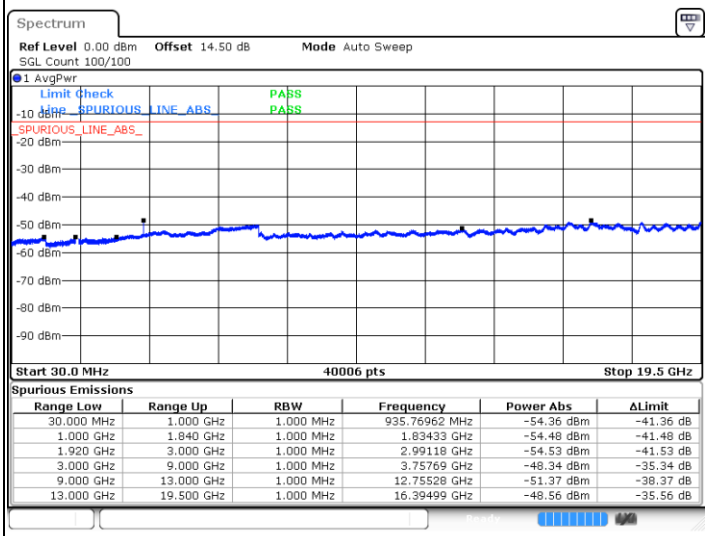


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-54.35 dBm	-41.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-55.11 dBm	-42.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95699 GHz	-54.37 dBm	-41.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.42 dBm	-35.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69229 GHz	-51.55 dBm	-38.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39399 GHz	-48.62 dBm	-35.62 dB

Date: 30.JUL.2021 17:07:34

Middle Channel / 64QAM

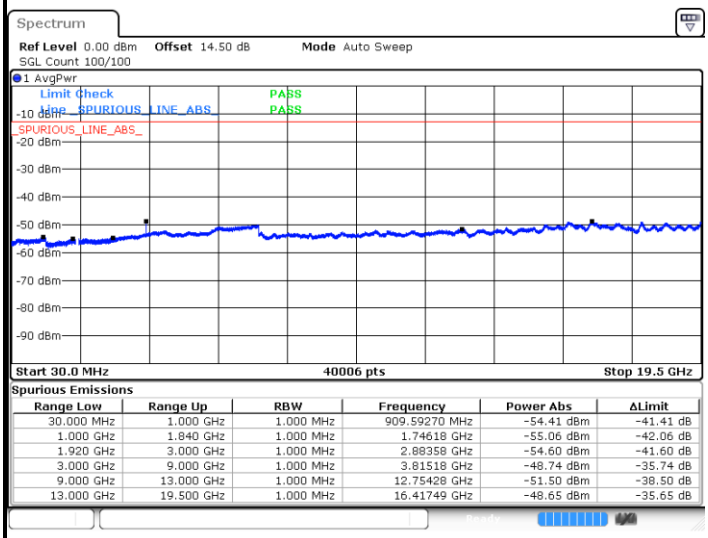


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-54.36 dBm	-41.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83433 GHz	-54.48 dBm	-41.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99118 GHz	-54.53 dBm	-41.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-48.34 dBm	-35.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75528 GHz	-51.37 dBm	-38.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39499 GHz	-48.56 dBm	-35.56 dB

Date: 30.JUL.2021 17:08:55

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-54.41 dBm	-41.41 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74618 GHz	-55.06 dBm	-42.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.88358 GHz	-54.60 dBm	-41.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81518 GHz	-48.74 dBm	-35.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75428 GHz	-51.50 dBm	-38.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.41749 GHz	-48.65 dBm	-35.65 dB

Date: 30.JUL.2021 17:13:34

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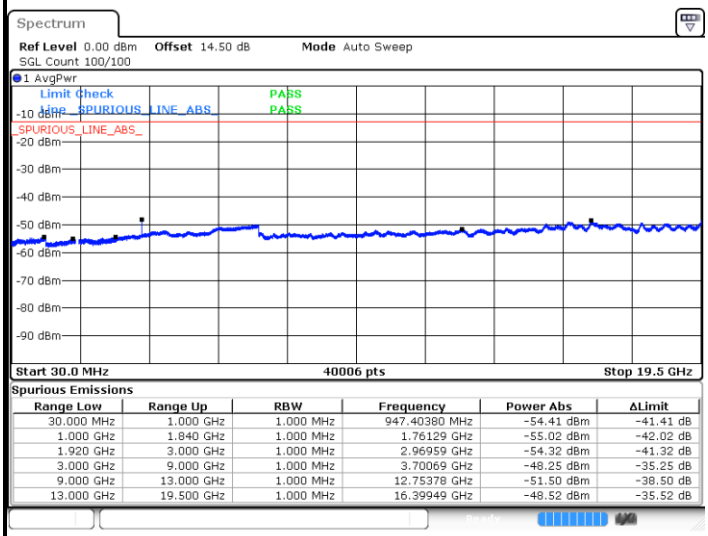
LTE Band 2 / 5MHz

Lowest Channel / 64QAM

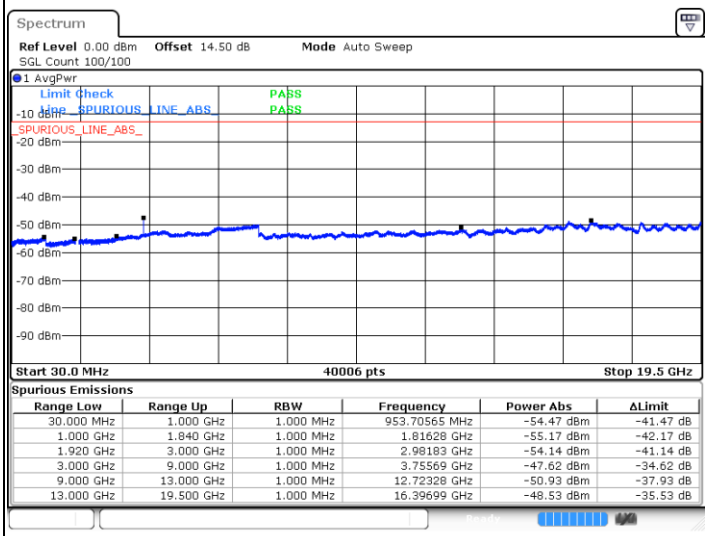


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-54.41 dBm	-41.41 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76129 GHz	-55.02 dBm	-42.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96959 GHz	-54.32 dBm	-41.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.25 dBm	-35.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75378 GHz	-51.50 dBm	-38.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39949 GHz	-48.52 dBm	-35.52 dB

Date: 30.JUL.2021 17:18:13

Middle Channel / 64QAM

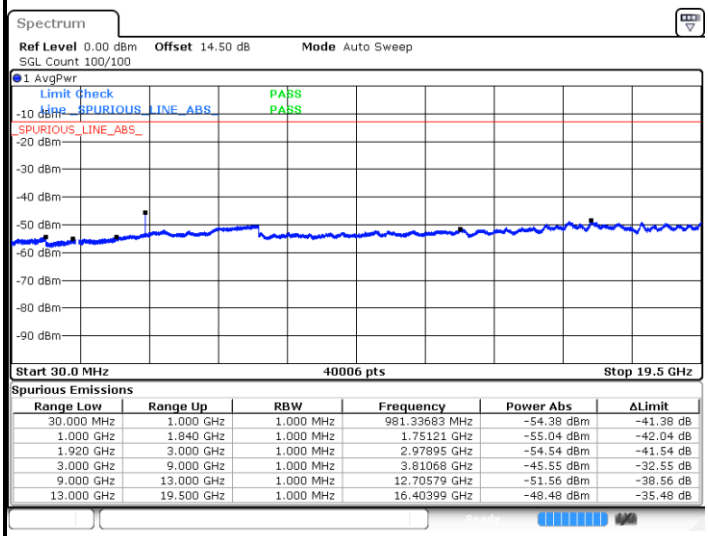


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-54.47 dBm	-41.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81628 GHz	-55.17 dBm	-42.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98183 GHz	-54.14 dBm	-41.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-47.62 dBm	-34.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72328 GHz	-50.93 dBm	-37.93 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39699 GHz	-48.53 dBm	-35.53 dB

Date: 30.JUL.2021 17:19:34

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-54.38 dBm	-41.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75121 GHz	-55.04 dBm	-42.04 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97895 GHz	-54.54 dBm	-41.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-45.55 dBm	-32.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-51.56 dBm	-38.56 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40399 GHz	-48.48 dBm	-35.48 dB

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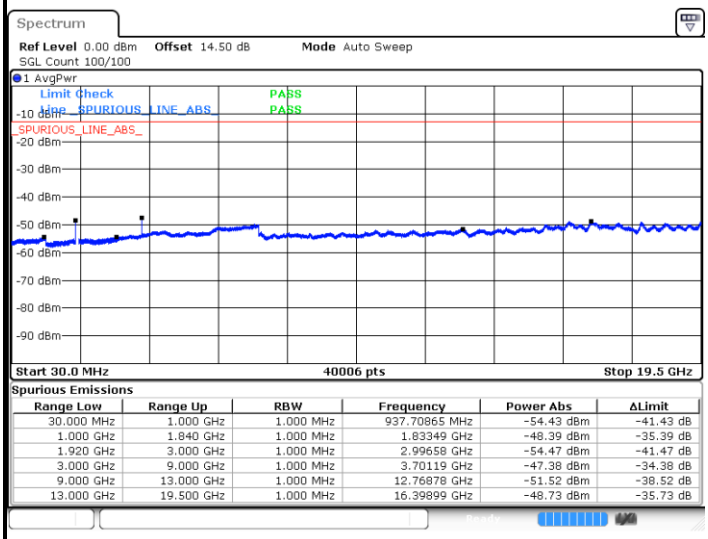
LTE Band 2 / 10MHz

Lowest Channel / 64QAM

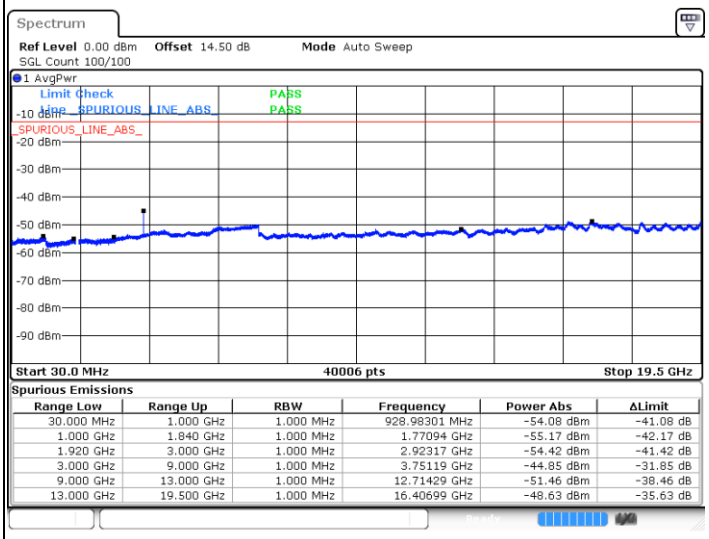


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-54.43 dBm	-41.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-48.39 dBm	-35.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99658 GHz	-54.47 dBm	-41.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-47.38 dBm	-34.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76878 GHz	-51.52 dBm	-38.52 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39899 GHz	-48.73 dBm	-35.73 dB

Date: 30.JUL.2021 17:28:52

Middle Channel / 64QAM

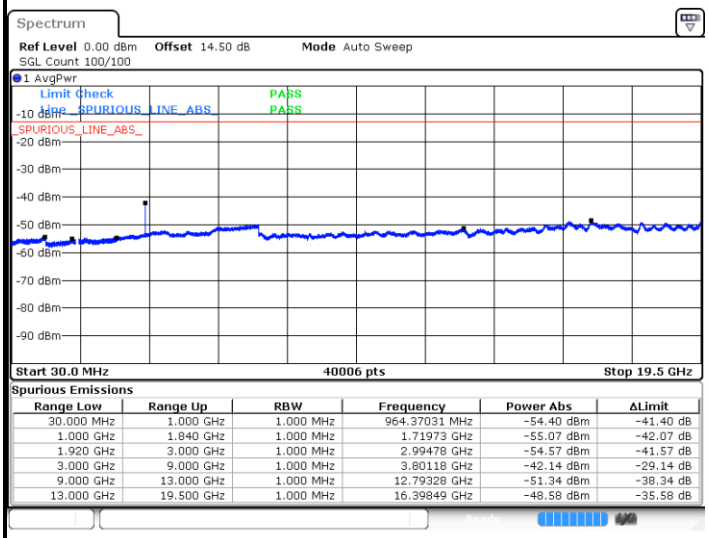


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77094 GHz	-55.17 dBm	-42.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.92317 GHz	-54.42 dBm	-41.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-44.85 dBm	-31.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71429 GHz	-51.46 dBm	-38.46 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40699 GHz	-48.63 dBm	-35.63 dB

Date: 30.JUL.2021 17:30:14

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71973 GHz	-55.07 dBm	-42.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99478 GHz	-54.57 dBm	-41.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.80118 GHz	-42.14 dBm	-29.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.79328 GHz	-51.34 dBm	-38.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.39849 GHz	-48.58 dBm	-35.58 dB

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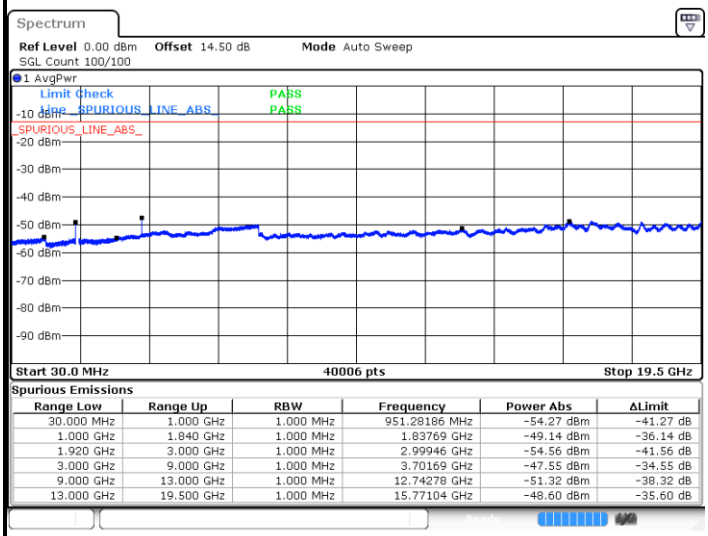
LTE Band 2 / 15MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-54.27 dBm	-41.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-49.14 dBm	-36.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-54.56 dBm	-41.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.55 dBm	-34.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74278 GHz	-51.32 dBm	-38.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77104 GHz	-48.60 dBm	-35.60 dB

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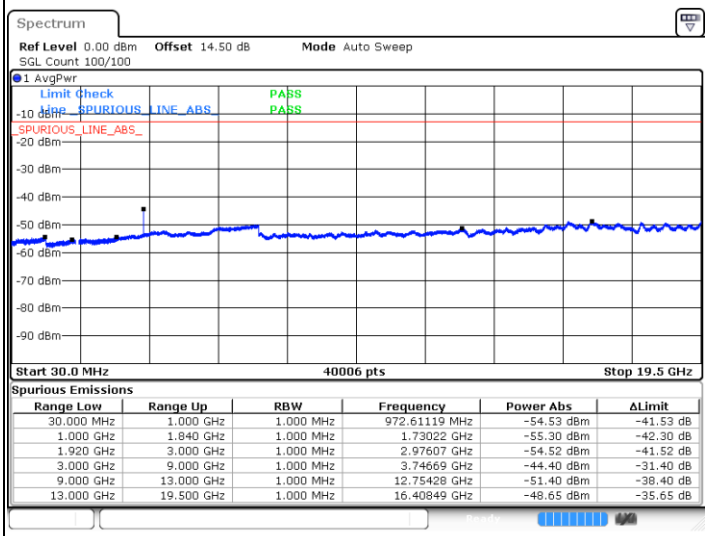
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.61119 MHz	-54.53 dBm	-41.53 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73022 GHz	-55.30 dBm	-42.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97607 GHz	-54.52 dBm	-41.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-44.40 dBm	-31.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75428 GHz	-51.40 dBm	-38.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40849 GHz	-48.65 dBm	-35.65 dB

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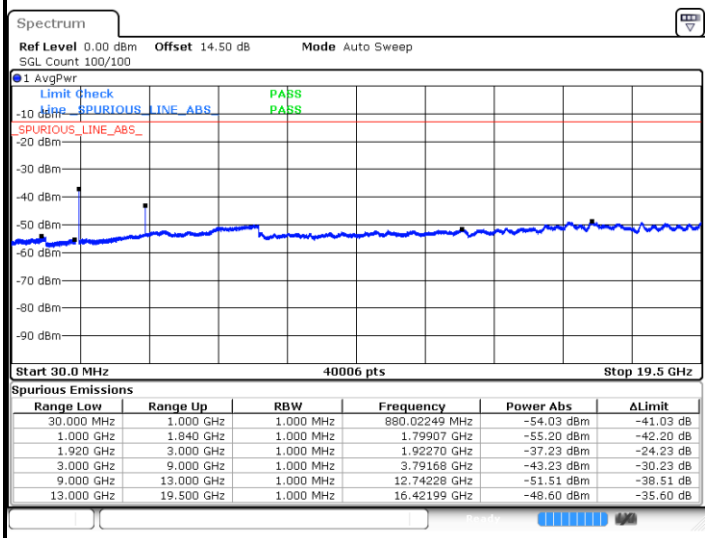
Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79907 GHz	-55.20 dBm	-42.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92270 GHz	-37.23 dBm	-24.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-43.23 dBm	-30.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74228 GHz	-51.51 dBm	-38.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.42199 GHz	-48.60 dBm	-35.60 dB

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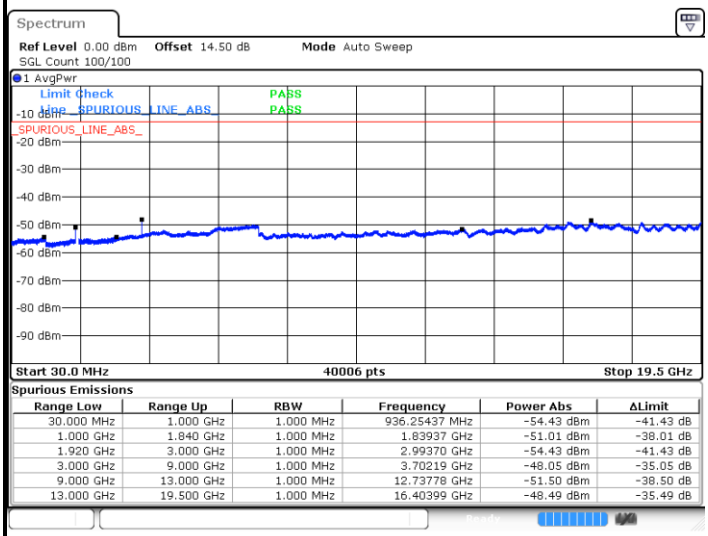
LTE Band 2 / 20MHz

Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.25437 MHz	-54.43 dBm	-41.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-51.01 dBm	-38.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99370 GHz	-54.43 dBm	-41.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-48.05 dBm	-35.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.73778 GHz	-51.50 dBm	-38.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.40399 GHz	-48.49 dBm	-35.49 dB

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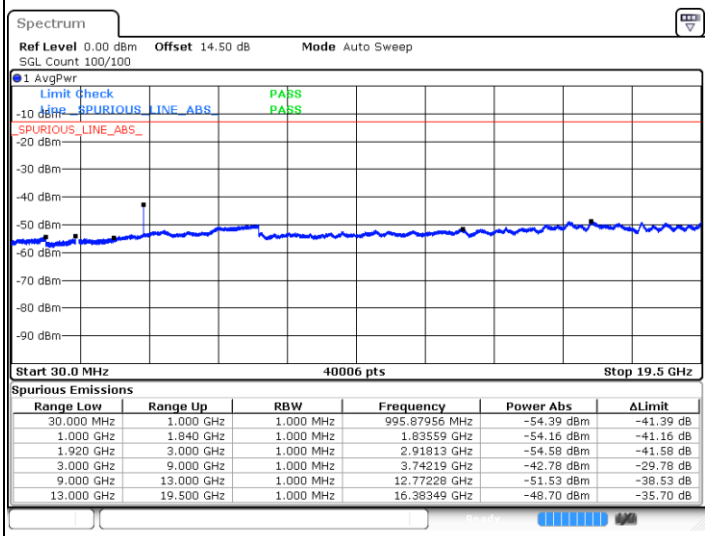
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-54.39 dBm	-41.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-54.16 dBm	-41.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.91813 GHz	-54.58 dBm	-41.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74219 GHz	-42.78 dBm	-29.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.77228 GHz	-51.53 dBm	-38.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.38349 GHz	-48.70 dBm	-35.70 dB

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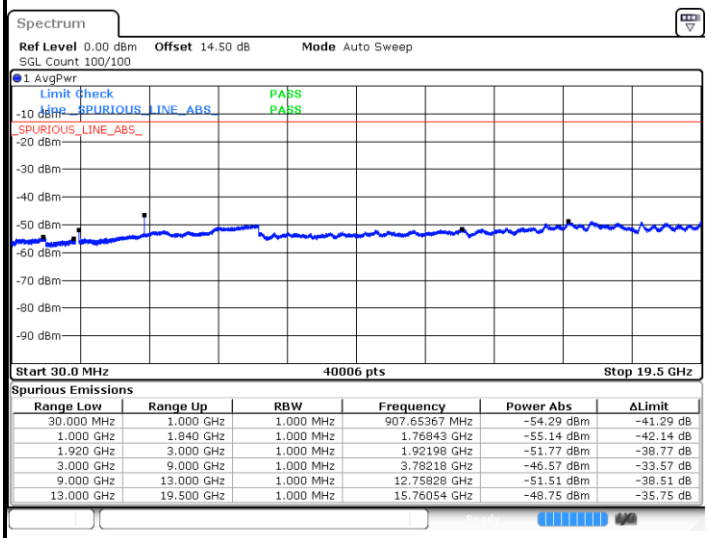
Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-54.29 dBm	-41.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76843 GHz	-55.14 dBm	-42.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92198 GHz	-51.77 dBm	-38.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-46.57 dBm	-33.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.75828 GHz	-51.51 dBm	-38.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76054 GHz	-48.75 dBm	-35.75 dB

Date: 30.JUL.2021 17:56:11

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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	0.0007	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

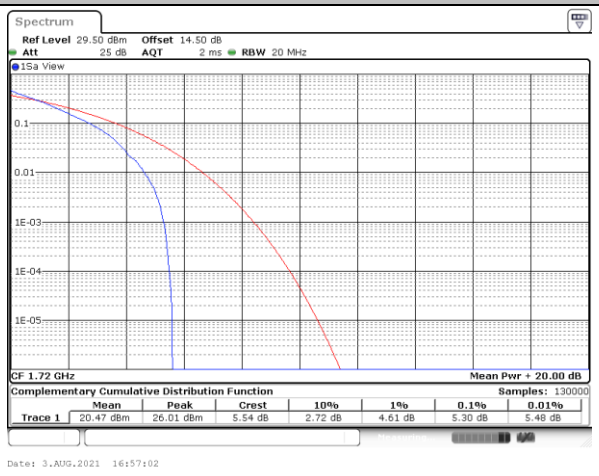
LTE Band 4

Peak-to-Average Ratio

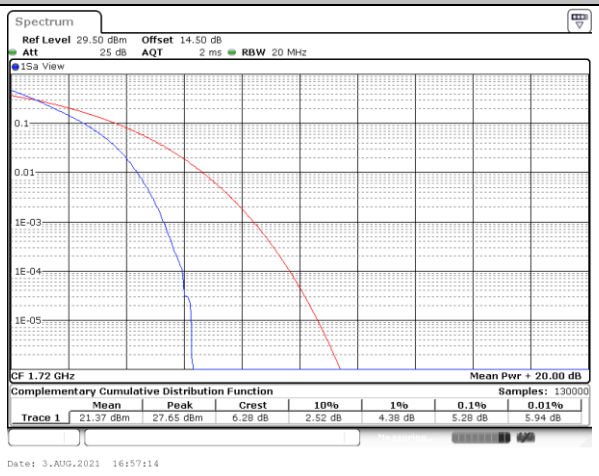
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.30	5.28	6.35	6.23	PASS
Middle CH	5.33	5.33	6.58	6.29	
Highest CH	5.36	5.28	6.17	6.20	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.03	6.49	-	-	PASS
Middle CH	6.09	6.43	-	-	
Highest CH	6.52	6.35	-	-	

LTE Band 4 / 20MHz / QPSK

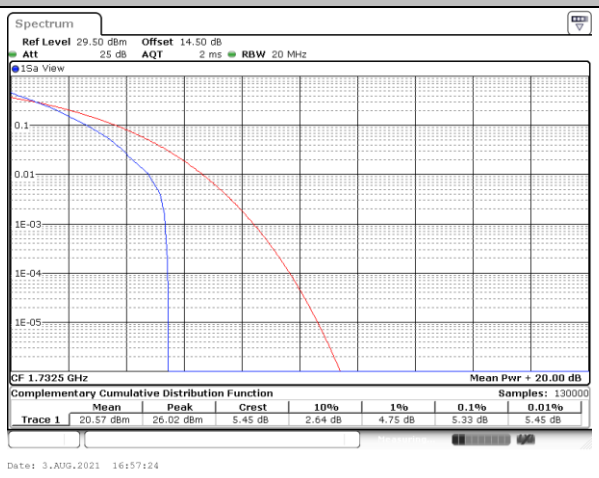
Lowest Channel / 1RB



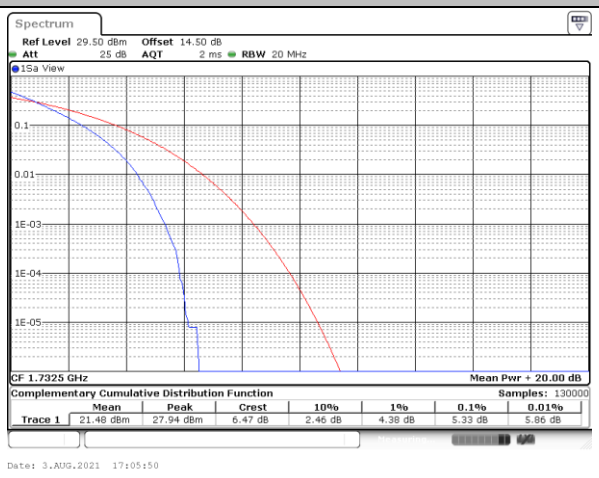
Lowest Channel / Full RB



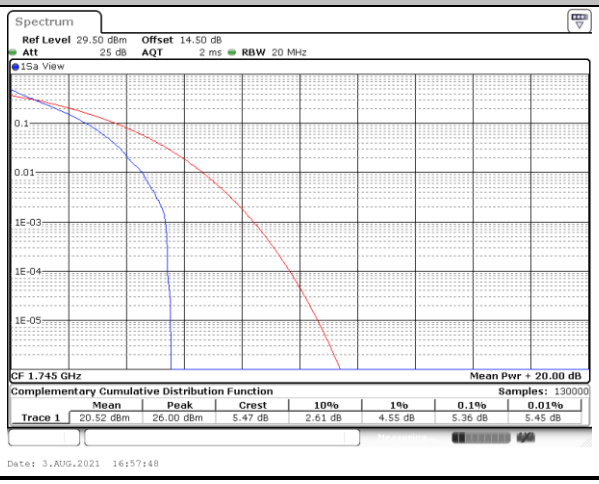
Middle Channel / 1RB



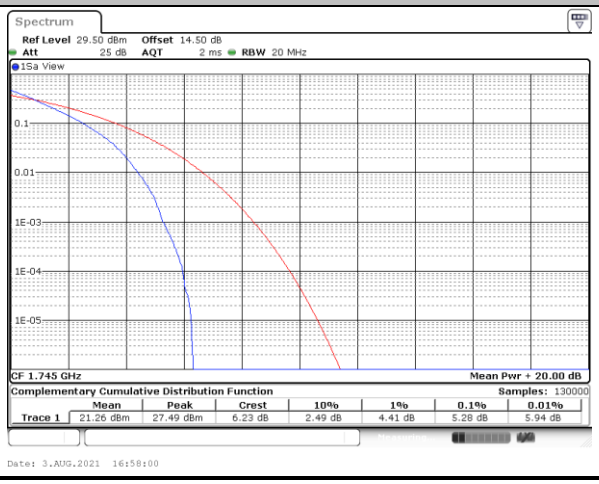
Middle Channel / Full RB



Highest Channel / 1RB

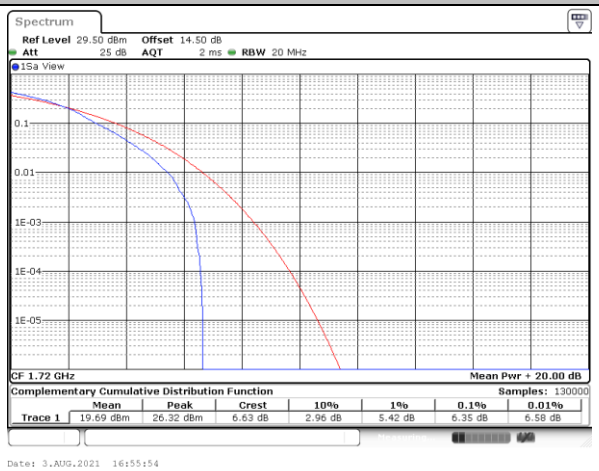


Highest Channel / Full RB

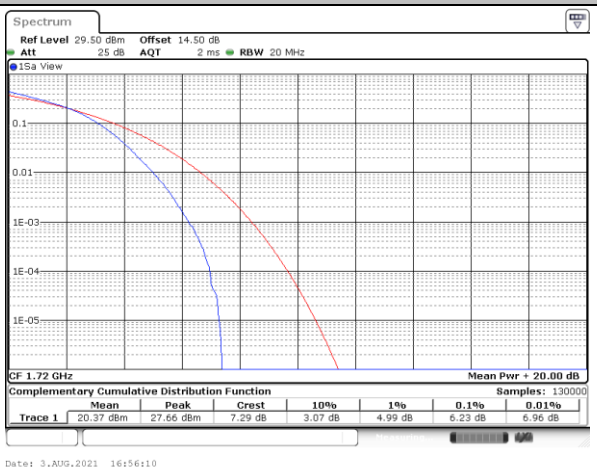


LTE Band 4 / 20MHz / 16QAM

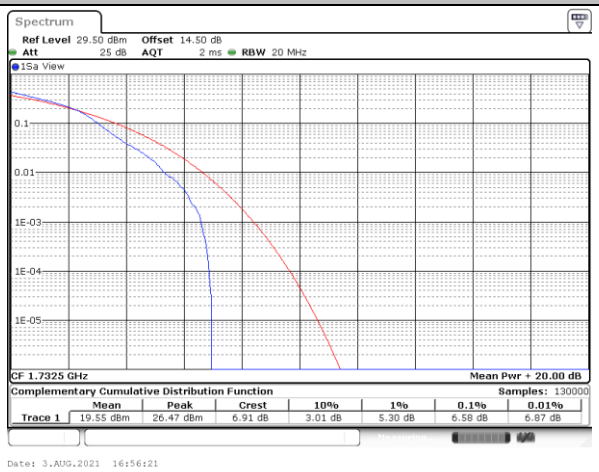
Lowest Channel / 1RB



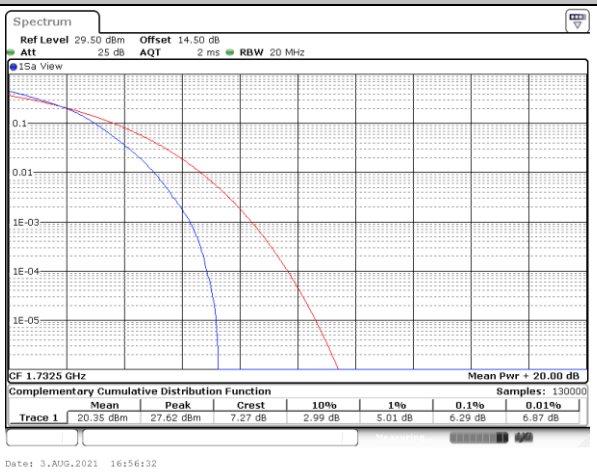
Lowest Channel / Full RB



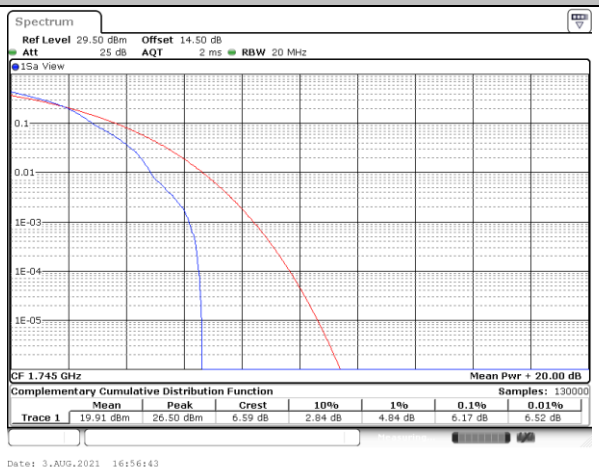
Middle Channel / 1RB



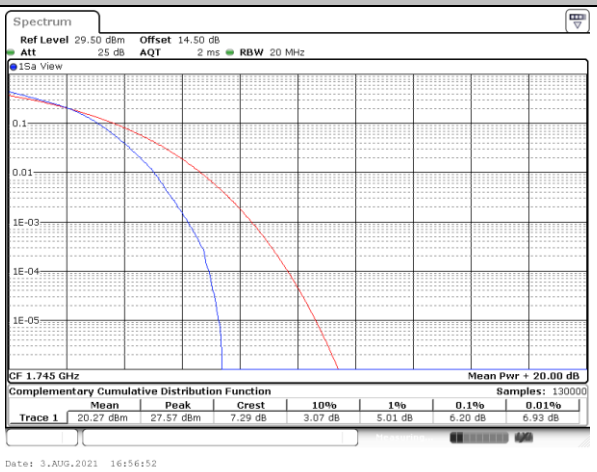
Middle Channel / Full RB



Highest Channel / 1RB

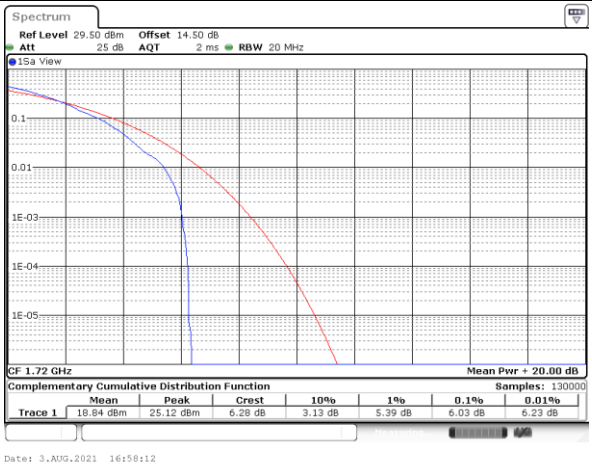


Highest Channel / Full RB

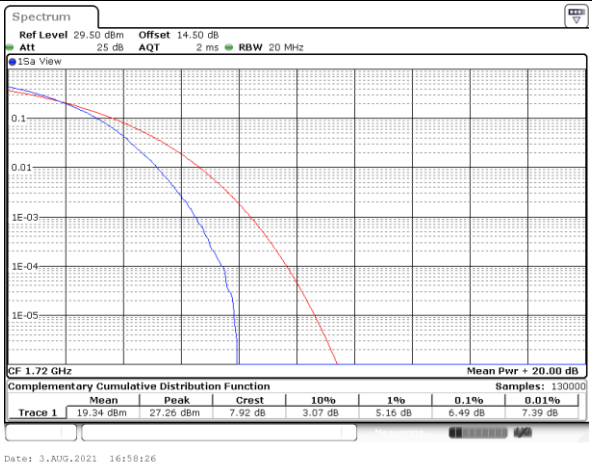


LTE Band 4 / 20MHz / 64QAM

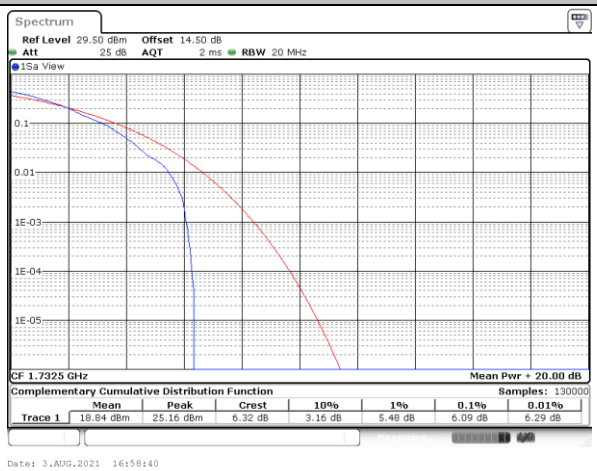
Lowest Channel / 1RB



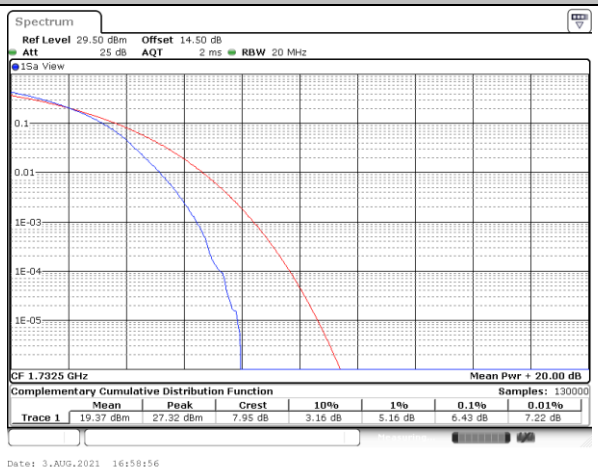
Lowest Channel / Full RB



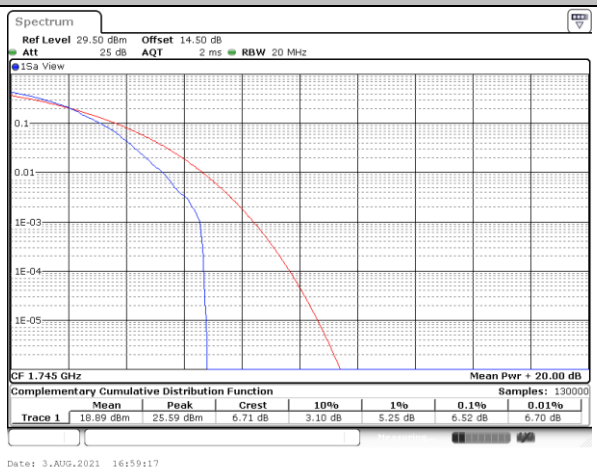
Middle Channel / 1RB



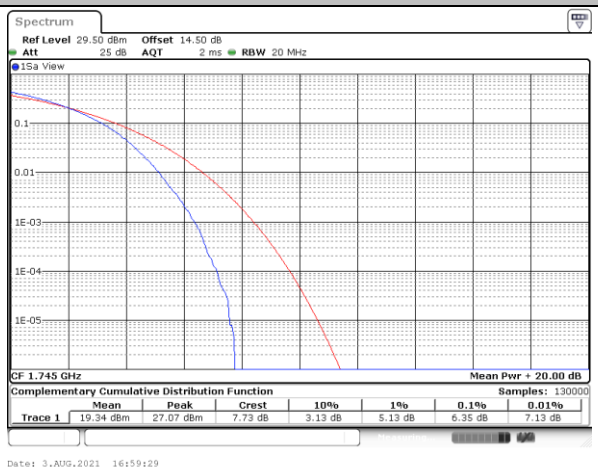
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

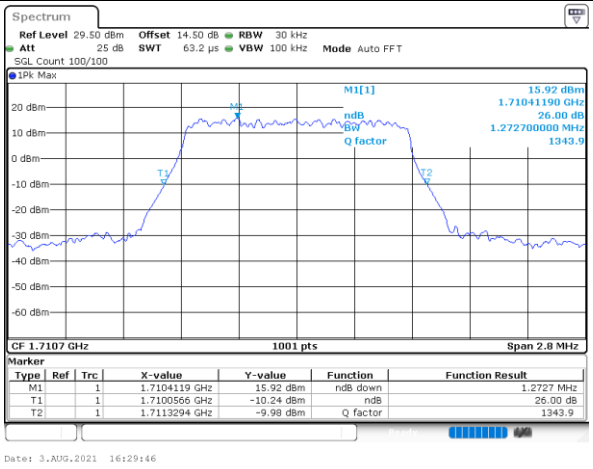


26dB Bandwidth

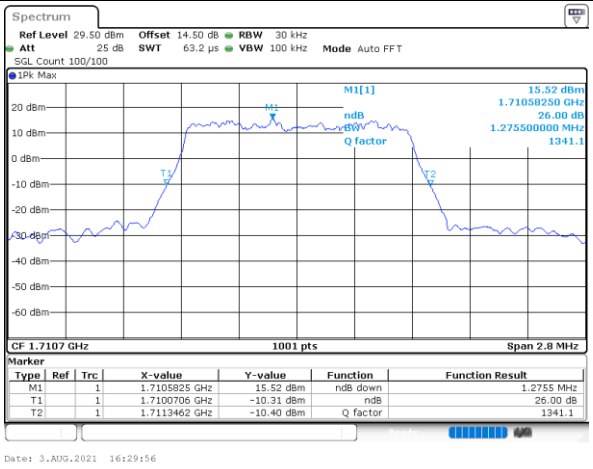
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.28	2.97	2.97	4.86	4.88	9.95	9.73	14.33	14.39	18.66	18.70
Middle CH	1.25	1.28	2.96	2.95	4.83	4.80	9.77	9.65	14.45	14.36	18.94	19.02
Highest CH	1.27	1.27	2.96	2.94	4.83	4.86	9.71	9.73	14.21	14.30	19.06	19.02
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.29	-	2.91	-	4.84	-	9.85	-	14.27	-	18.86	-
Middle CH	1.31	-	2.95	-	4.84	-	9.65	-	14.21	-	18.86	-
Highest CH	1.28	-	2.97	-	4.85	-	9.91	-	14.60	-	18.82	-

LTE Band 4

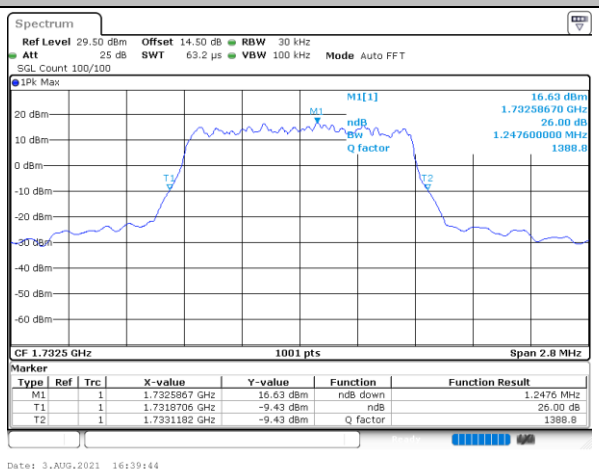
Lowest Channel / 1.4MHz / QPSK



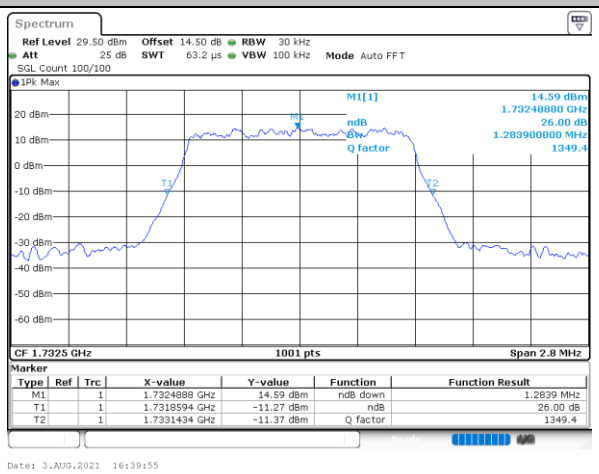
Lowest Channel / 1.4MHz / 16QAM



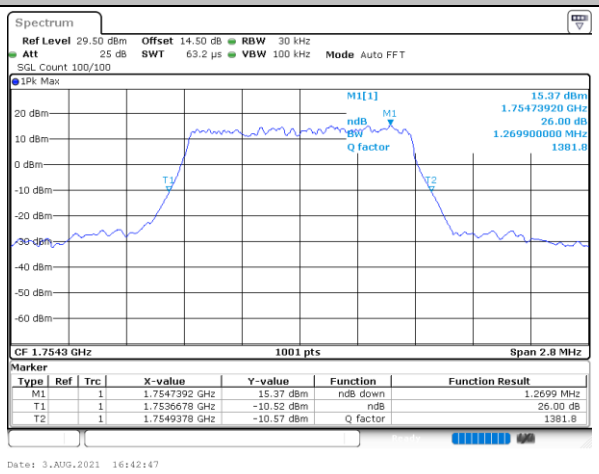
Middle Channel / 1.4MHz / QPSK



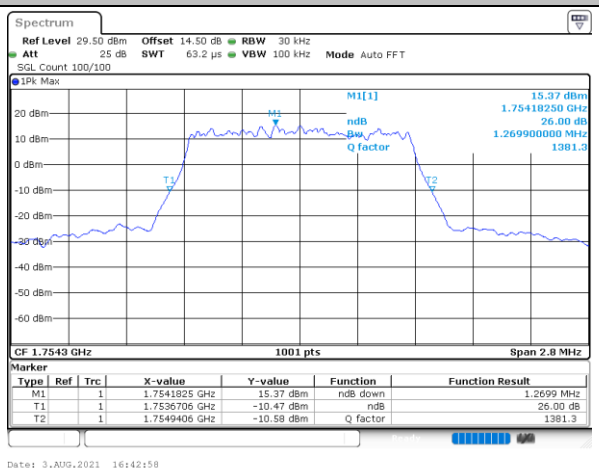
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

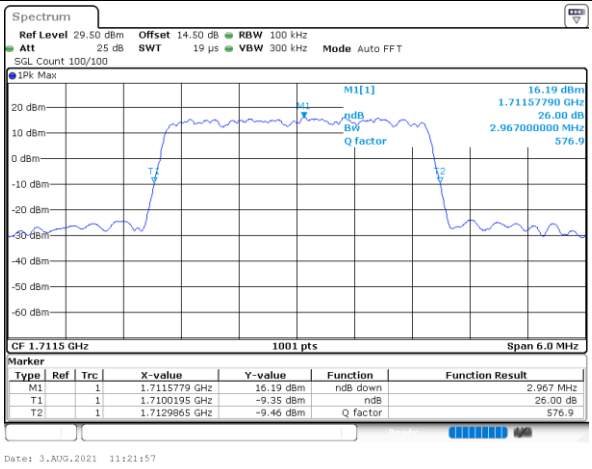


Highest Channel / 1.4MHz / 16QAM

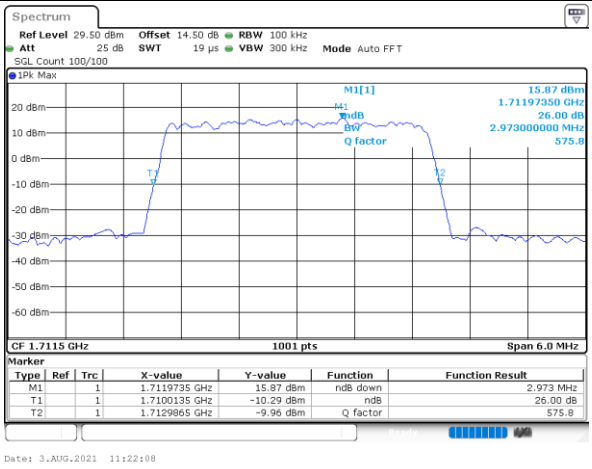


LTE Band 4

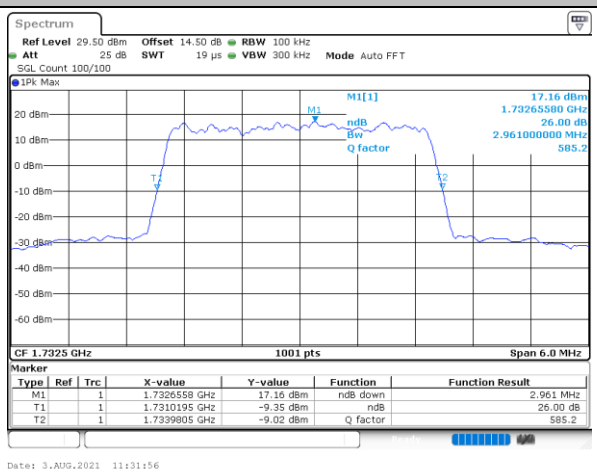
Lowest Channel / 3MHz / QPSK



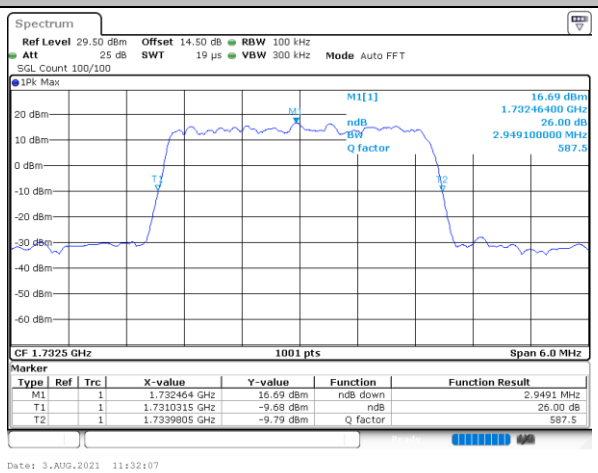
Lowest Channel / 3MHz / 16QAM



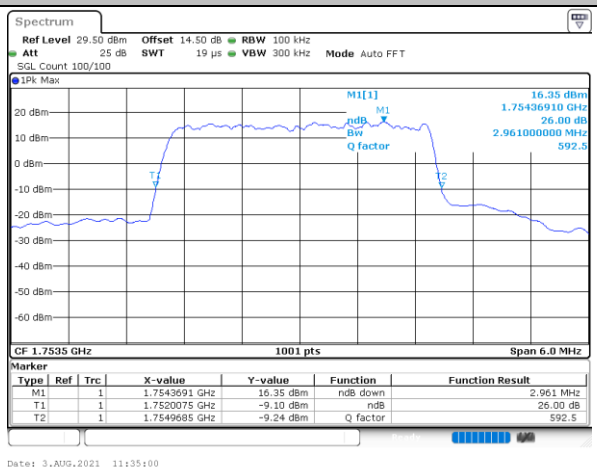
Middle Channel / 3MHz / QPSK



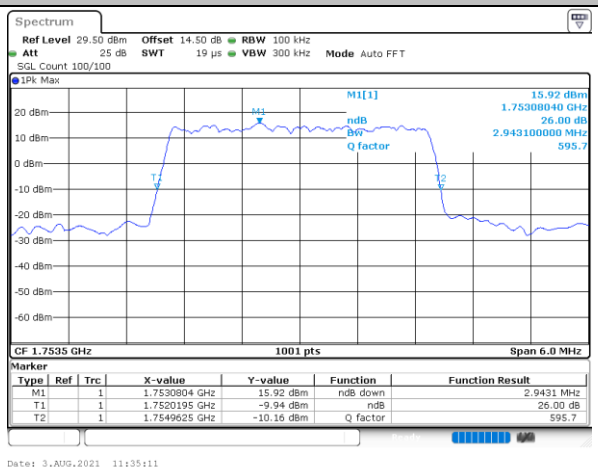
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

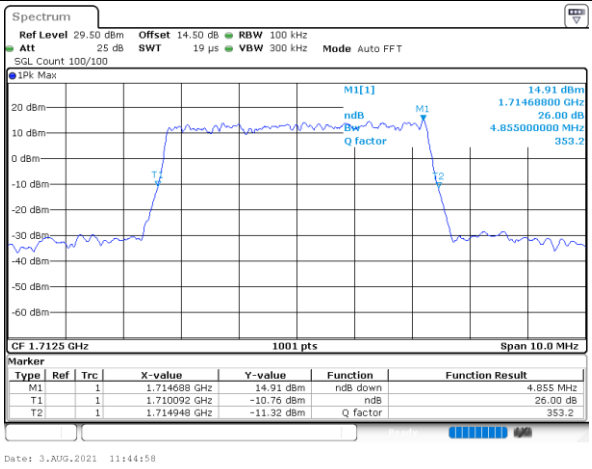


Highest Channel / 3MHz / 16QAM

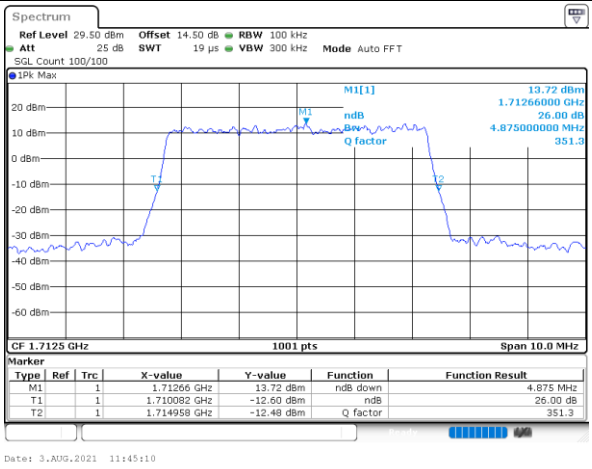


LTE Band 4

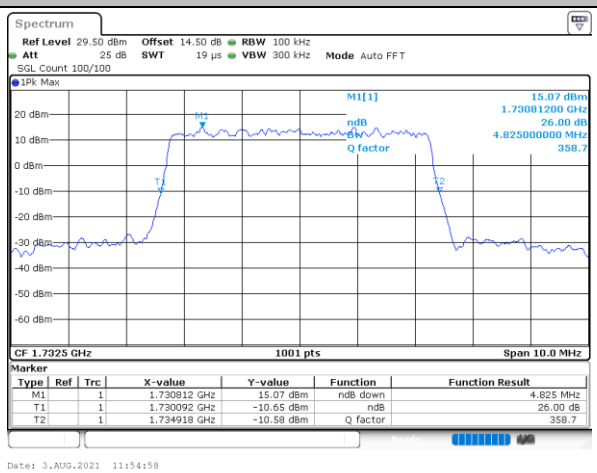
Lowest Channel / 5MHz / QPSK



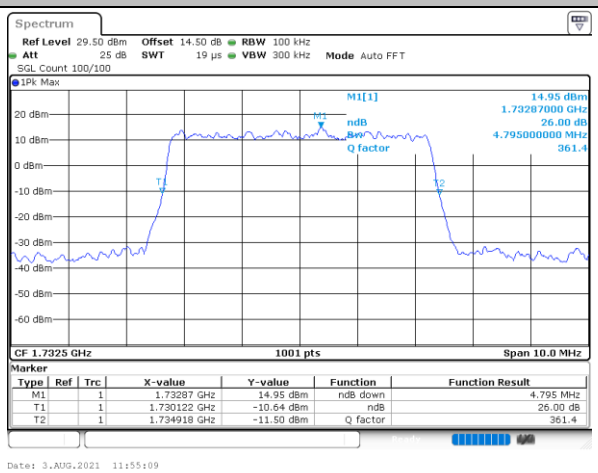
Lowest Channel / 5MHz / 16QAM



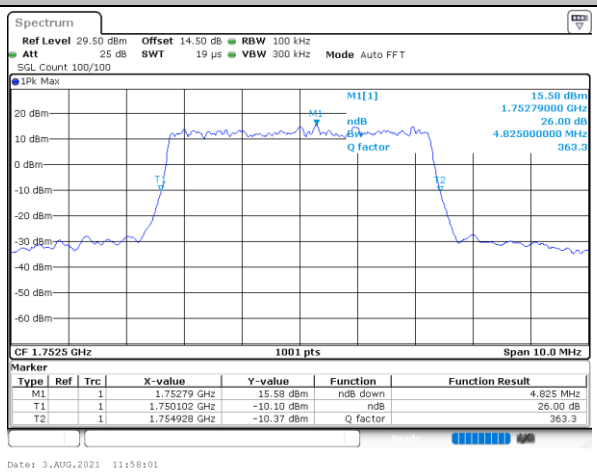
Middle Channel / 5MHz / QPSK



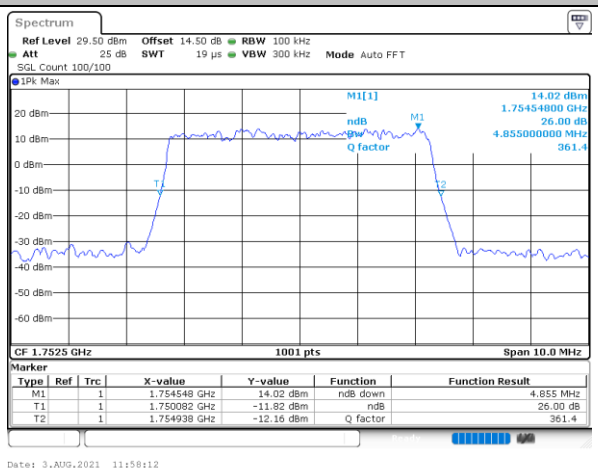
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

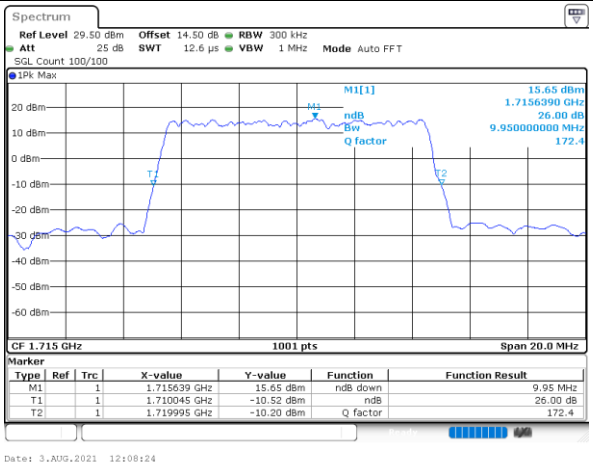


Highest Channel / 5MHz / 16QAM



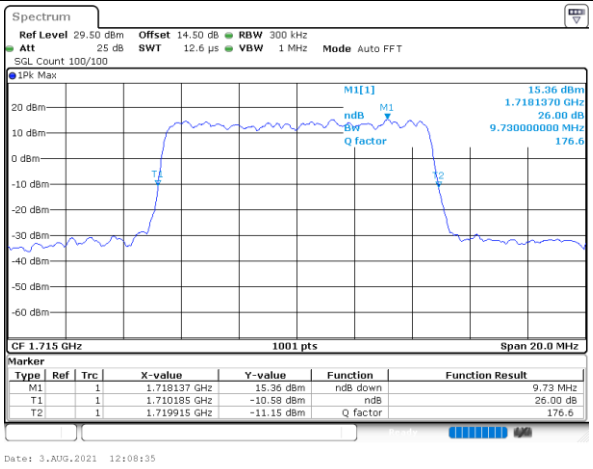
LTE Band 4

Lowest Channel / 10MHz / QPSK



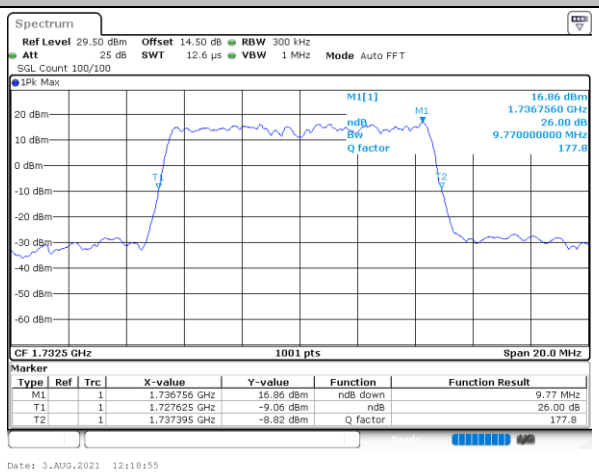
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.715639 GHz	15.65 dBm	ndB down	9.95 MHz
T1		1	1.710045 GHz	-10.52 dBm	ndB	26.00 dB
T2		1	1.719995 GHz	-10.20 dBm	Q factor	172.4

Lowest Channel / 10MHz / 16QAM



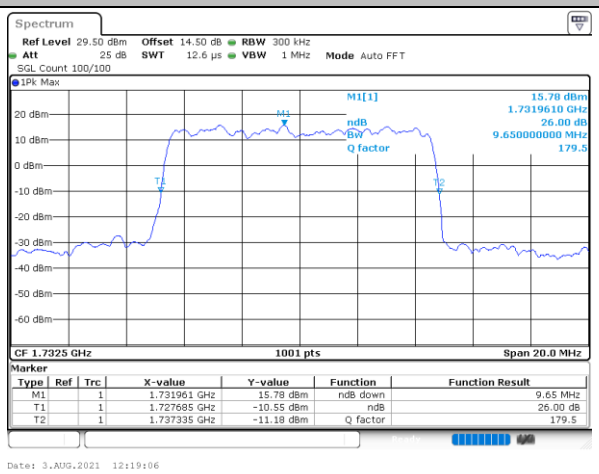
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.718137 GHz	15.36 dBm	ndB down	9.73 MHz
T1		1	1.710185 GHz	-10.58 dBm	ndB	26.00 dB
T2		1	1.719915 GHz	-11.15 dBm	Q factor	176.6

Middle Channel / 10MHz / QPSK



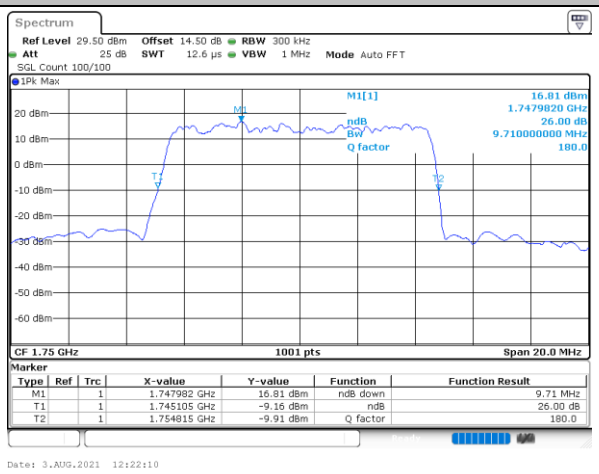
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.736756 GHz	16.86 dBm	ndB down	9.77 MHz
T1		1	1.727625 GHz	-9.06 dBm	ndB	26.00 dB
T2		1	1.737395 GHz	-8.82 dBm	Q factor	177.8

Middle Channel / 10MHz / 16QAM



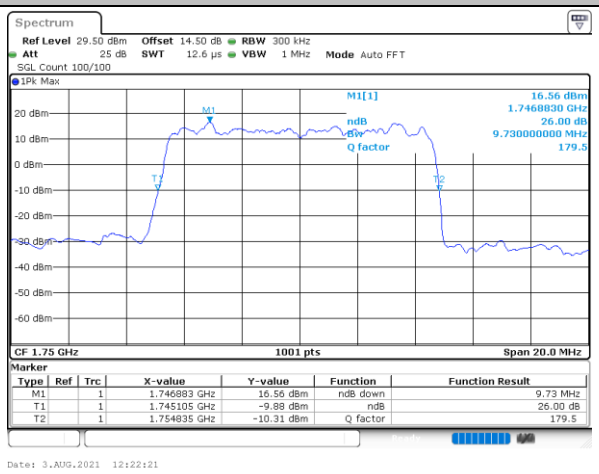
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731961 GHz	15.78 dBm	ndB down	9.65 MHz
T1		1	1.727685 GHz	-10.55 dBm	ndB	26.00 dB
T2		1	1.737335 GHz	-11.18 dBm	Q factor	179.5

Highest Channel / 10MHz / QPSK



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.747982 GHz	16.81 dBm	ndB down	9.71 MHz
T1		1	1.745105 GHz	-9.16 dBm	ndB	26.00 dB
T2		1	1.754815 GHz	-9.91 dBm	Q factor	180.0

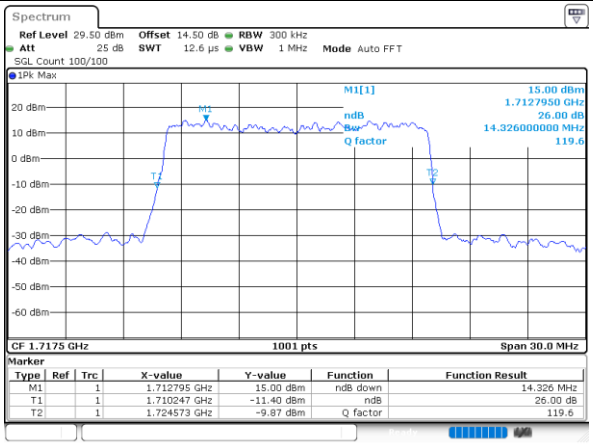
Highest Channel / 10MHz / 16QAM



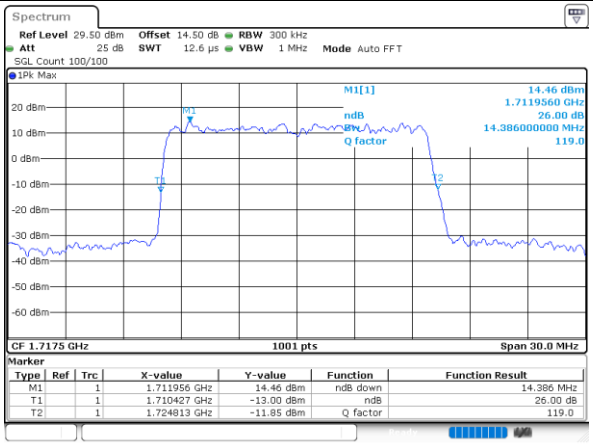
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.746883 GHz	16.56 dBm	ndB down	9.73 MHz
T1		1	1.745105 GHz	-9.88 dBm	ndB	26.00 dB
T2		1	1.754835 GHz	-10.31 dBm	Q factor	179.5

LTE Band 4

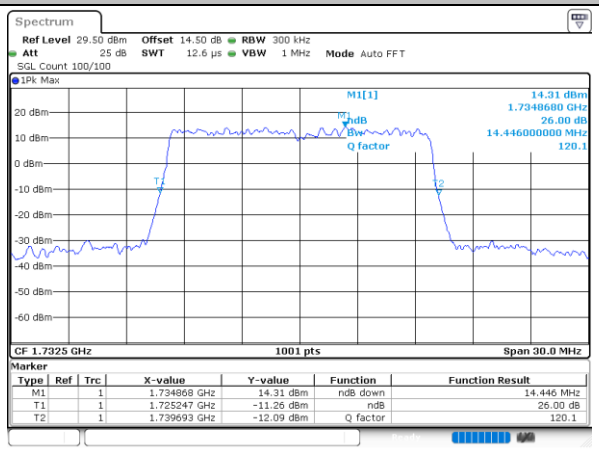
Lowest Channel / 15MHz / QPSK



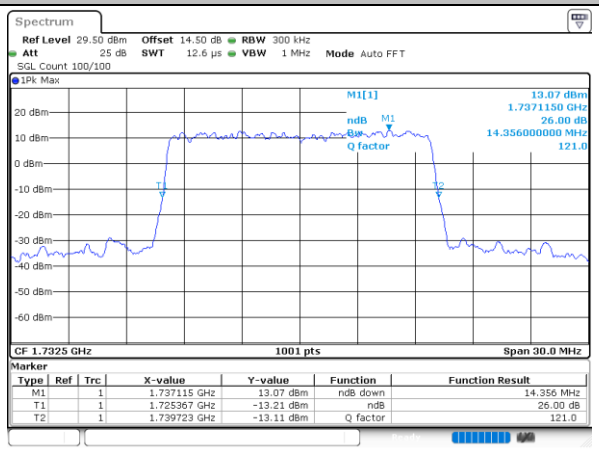
Lowest Channel / 15MHz / 16QAM



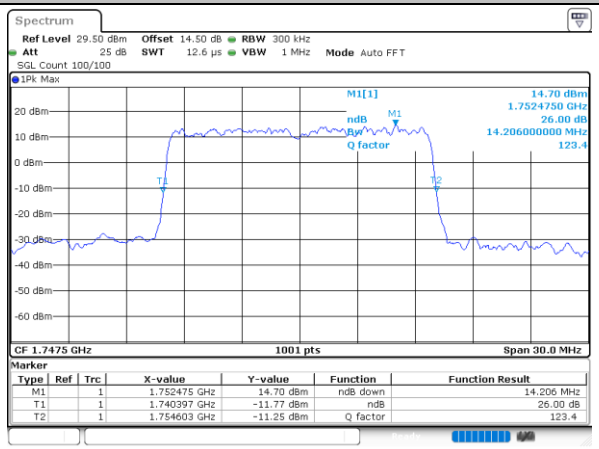
Middle Channel / 15MHz / QPSK



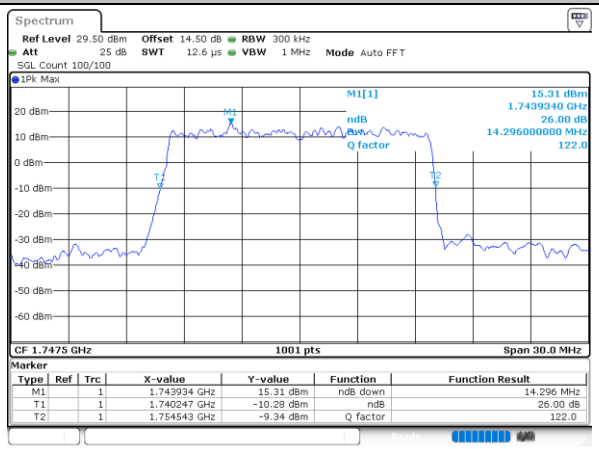
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

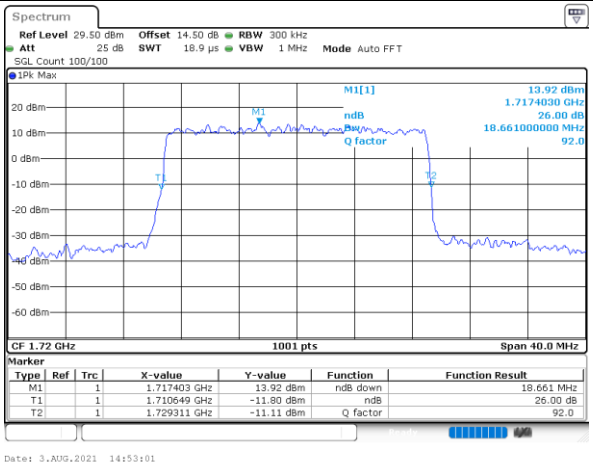


Highest Channel / 15MHz / 16QAM

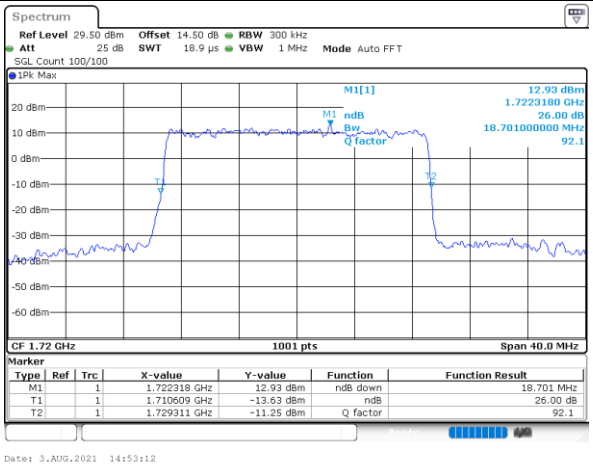


LTE Band 4

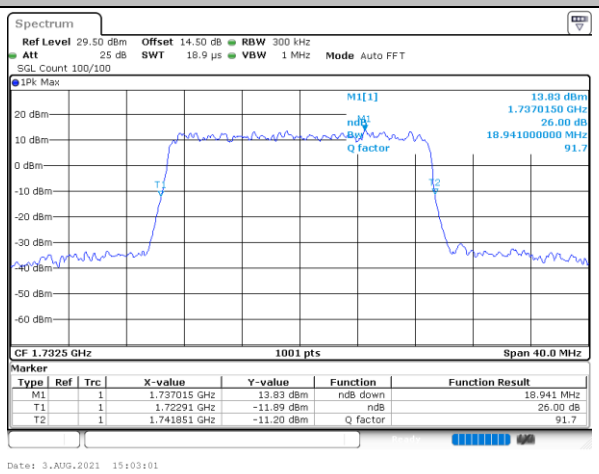
Lowest Channel / 20MHz / QPSK



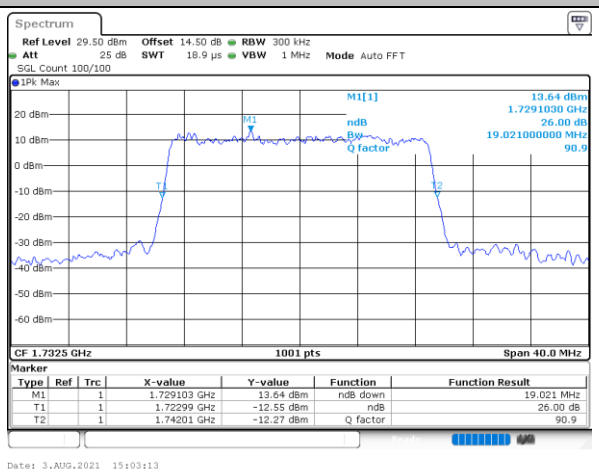
Lowest Channel / 20MHz / 16QAM



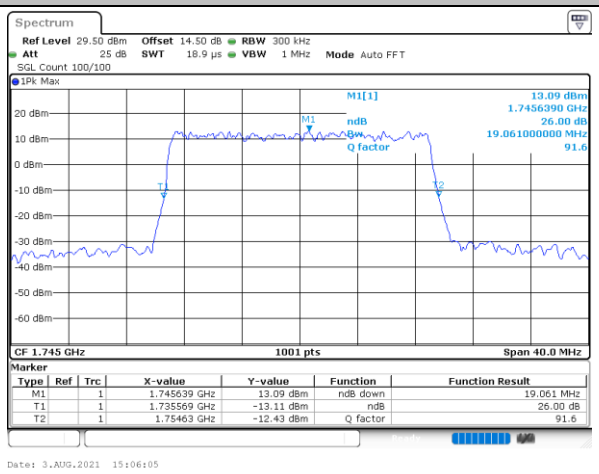
Middle Channel / 20MHz / QPSK



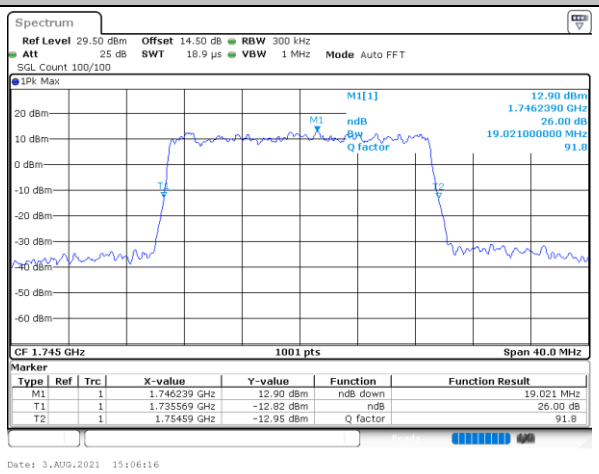
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

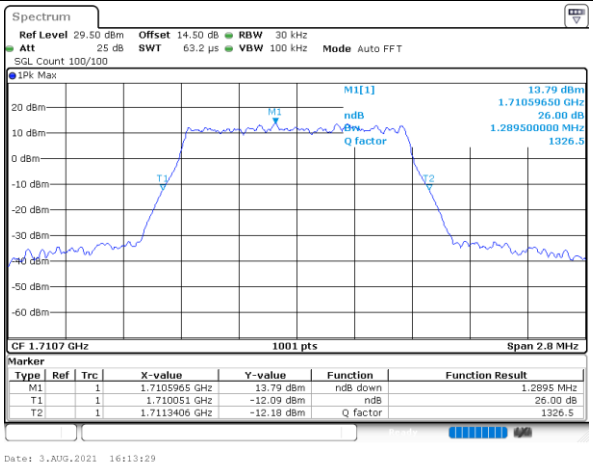


Highest Channel / 20MHz / 16QAM

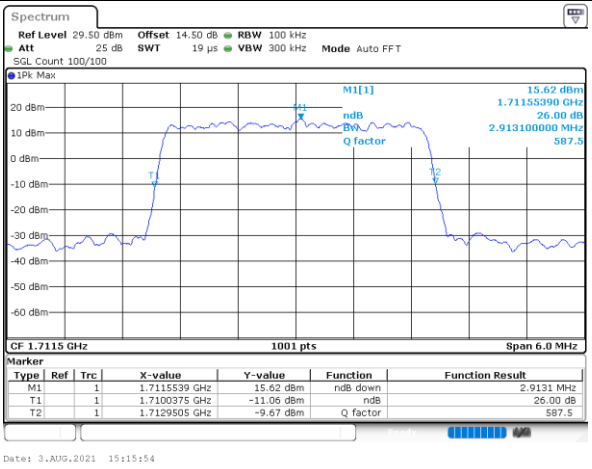


LTE Band 4

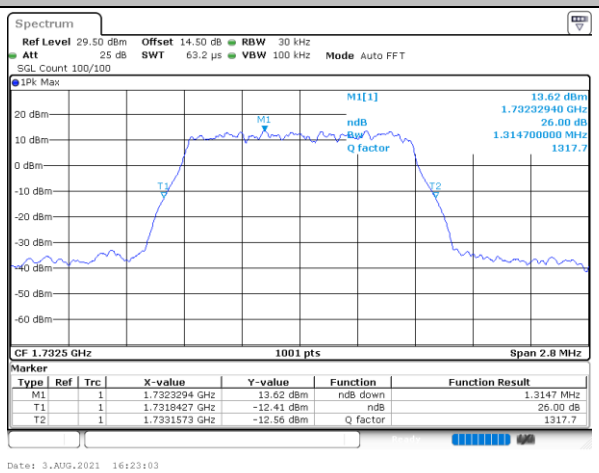
Lowest Channel / 1.4MHz / 64QAM



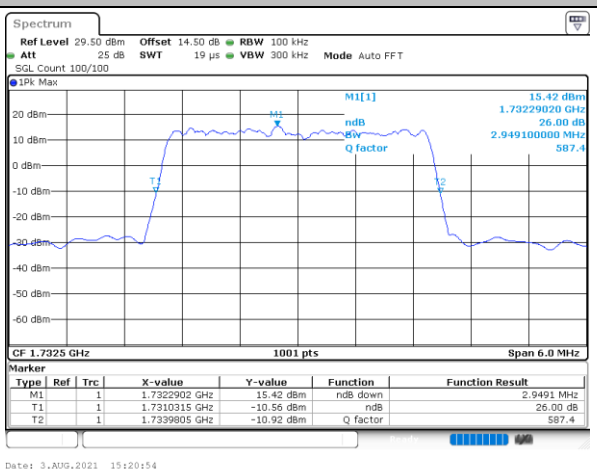
Lowest Channel / 3MHz / 64QAM



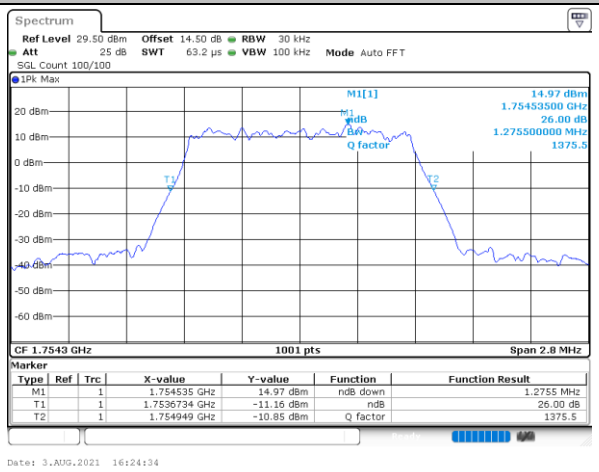
Middle Channel / 1.4MHz / 64QAM



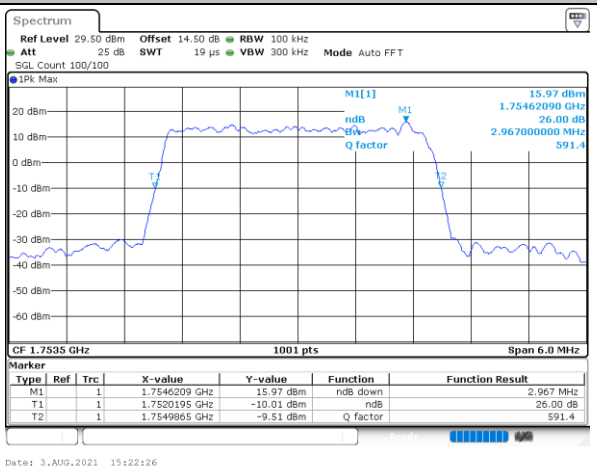
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

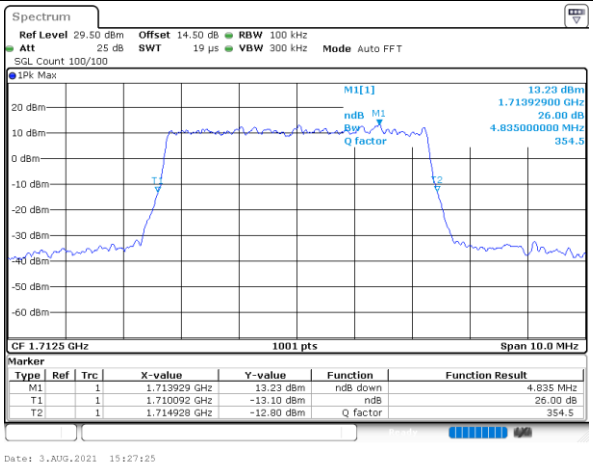


Highest Channel / 3MHz / 64QAM

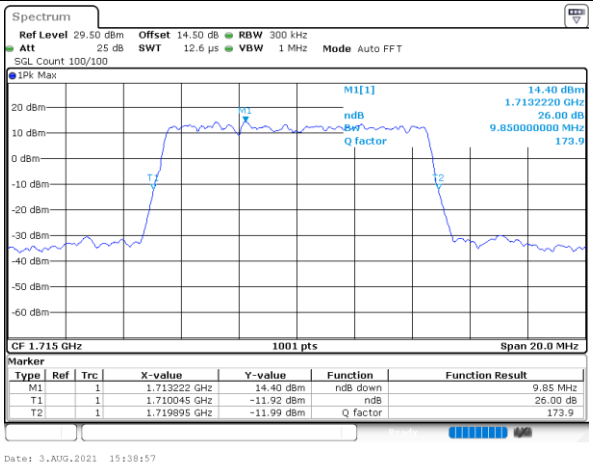


LTE Band 4

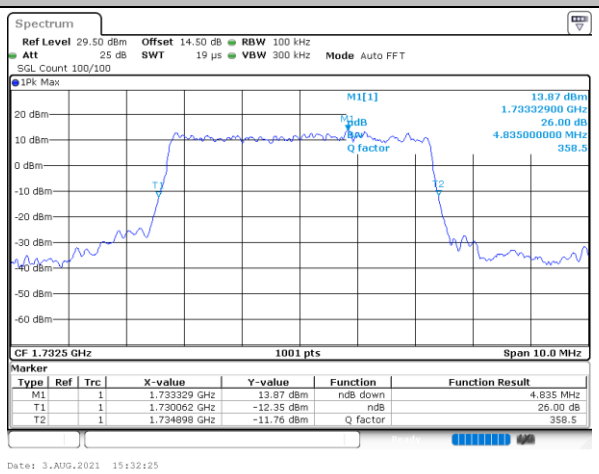
Lowest Channel / 5MHz / 64QAM



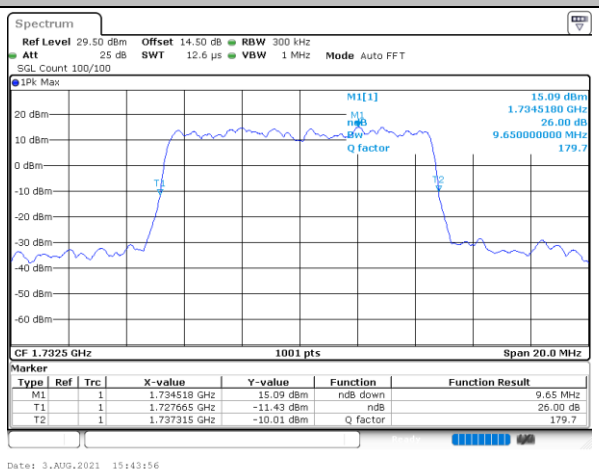
Lowest Channel / 10MHz / 64QAM



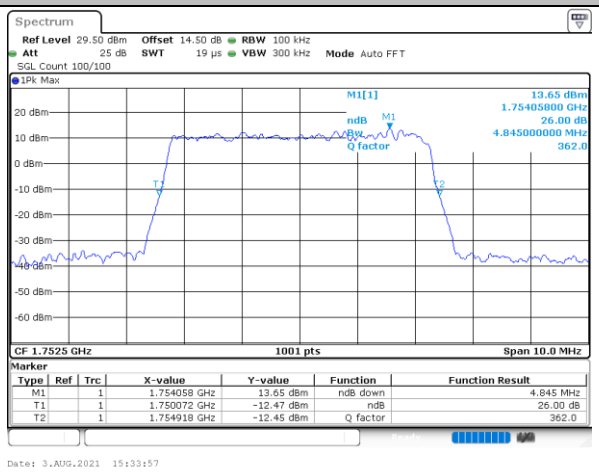
Middle Channel / 5MHz / 64QAM



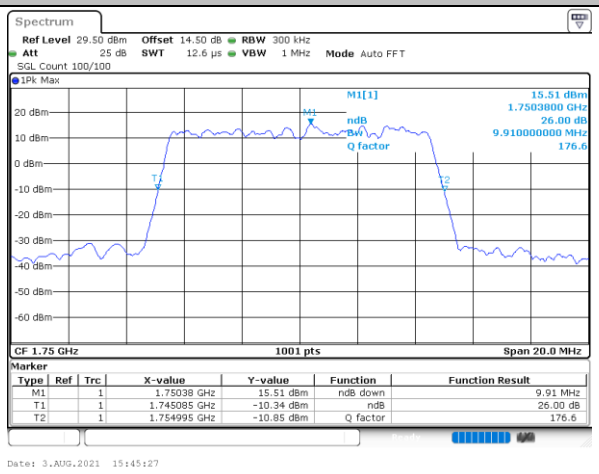
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

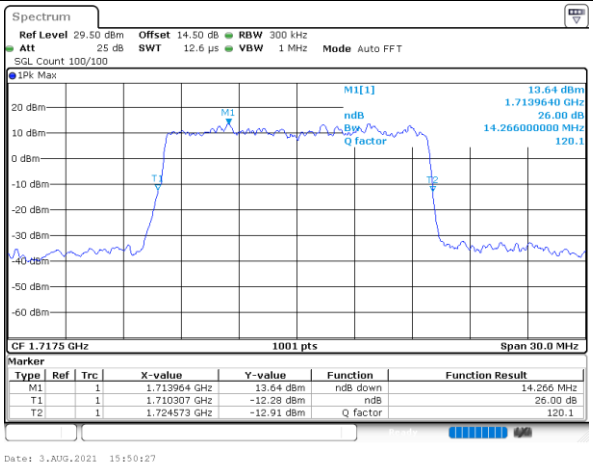


Highest Channel / 10MHz / 64QAM

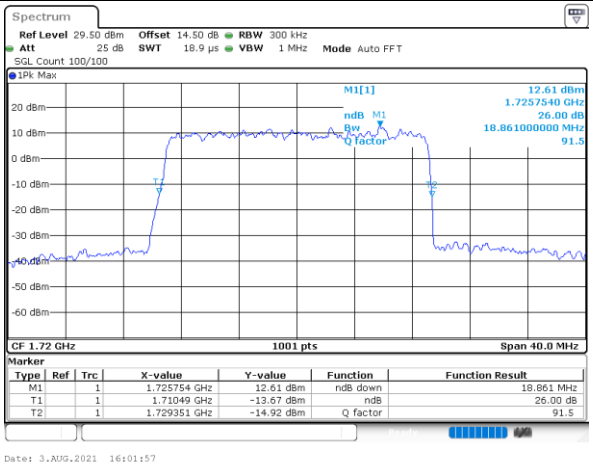


LTE Band 4

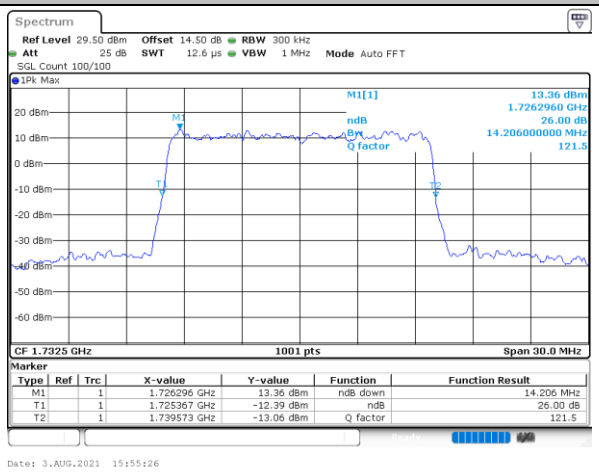
Lowest Channel / 15MHz / 64QAM



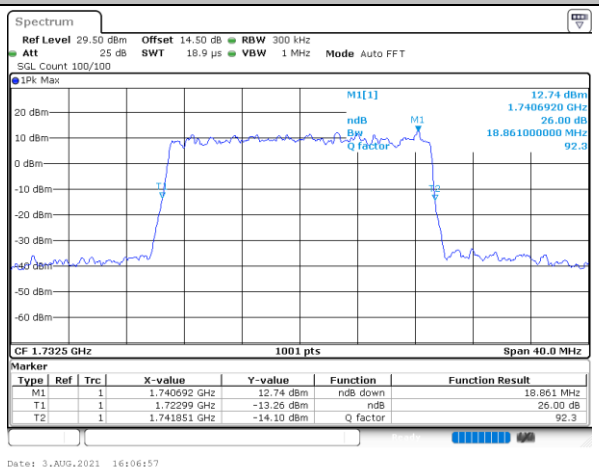
Lowest Channel / 20MHz / 64QAM



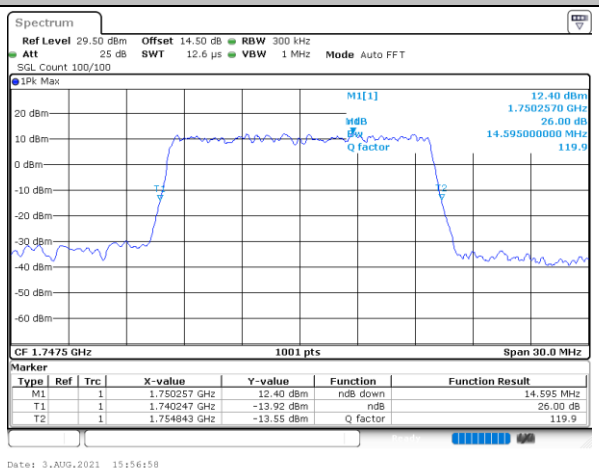
Middle Channel / 15MHz / 64QAM



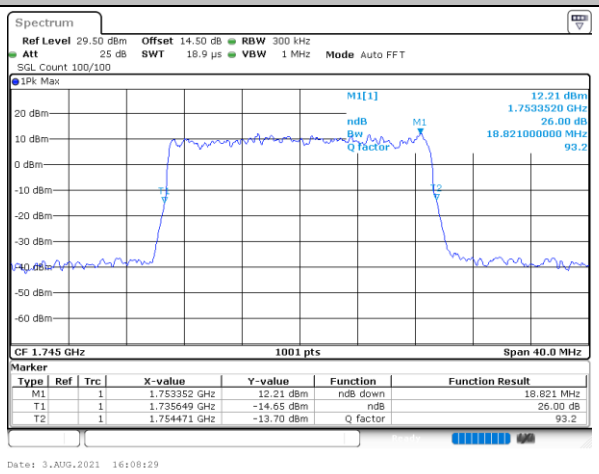
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

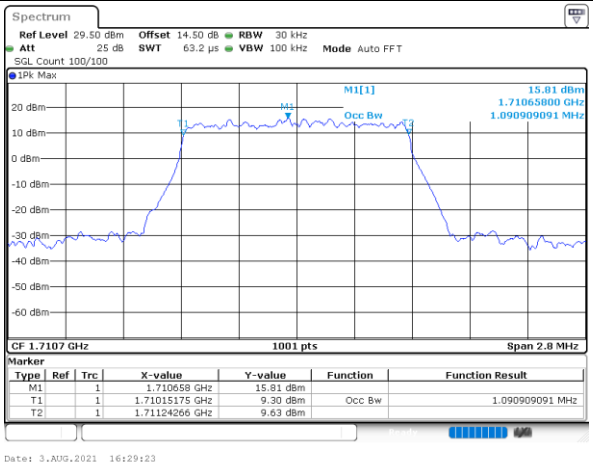


Occupied Bandwidth

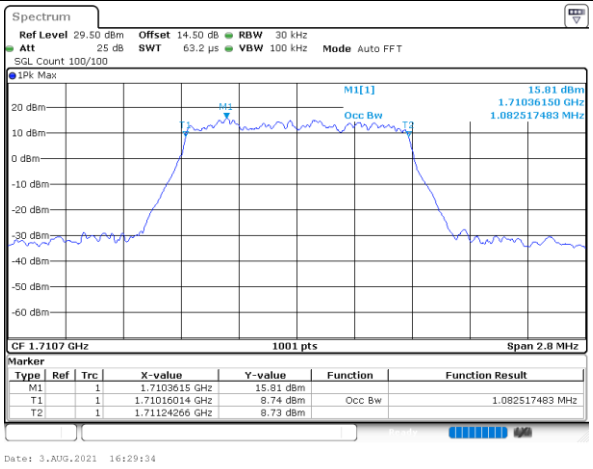
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.71	2.71	4.49	4.48	9.01	9.03	13.46	13.43	17.86	17.90
Middle CH	1.09	1.09	2.72	2.70	4.49	4.48	8.97	9.01	13.43	13.46	17.94	17.90
Highest CH	1.09	1.09	2.70	2.70	4.50	4.48	9.09	9.03	13.43	13.43	17.86	17.82
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.69	-	4.48	-	9.01	-	13.43	-	17.90	-
Middle CH	1.10	-	2.70	-	4.50	-	9.09	-	13.46	-	17.90	-
Highest CH	1.09	-	2.69	-	4.50	-	9.07	-	13.46	-	17.86	-

LTE Band 4

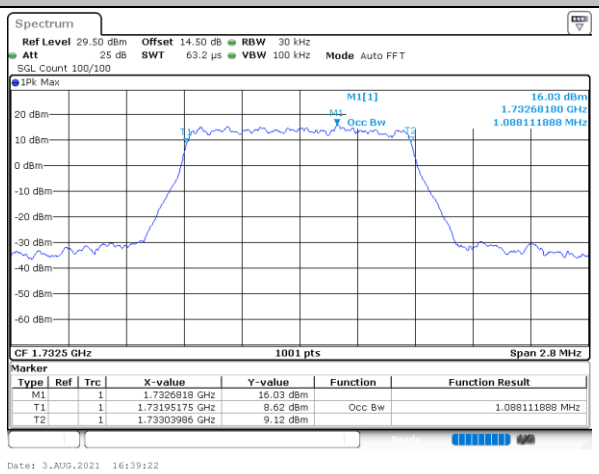
Lowest Channel / 1.4MHz / QPSK



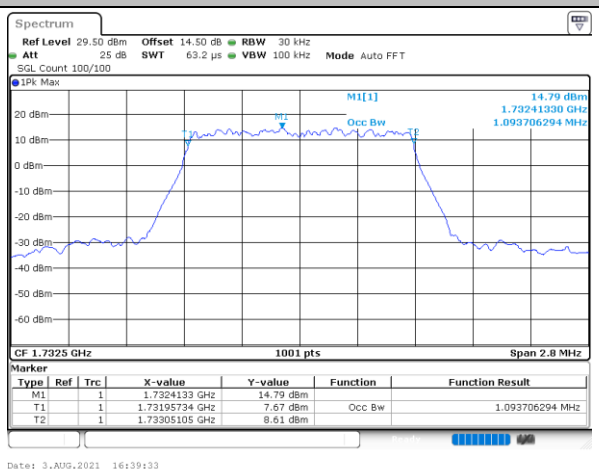
Lowest Channel / 1.4MHz / 16QAM



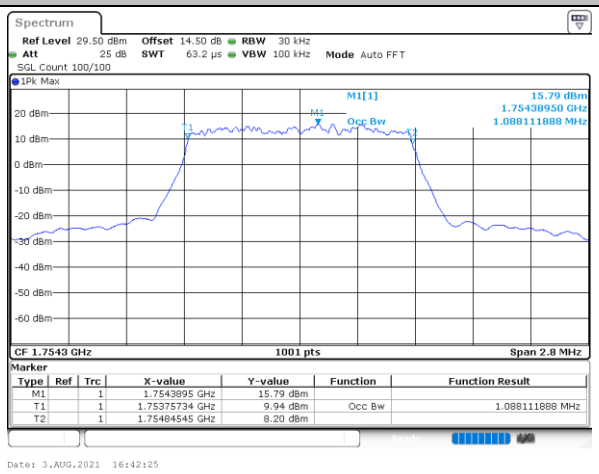
Middle Channel / 1.4MHz / QPSK



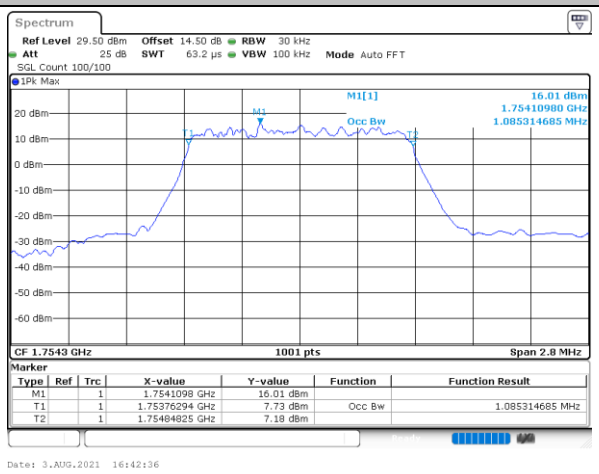
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

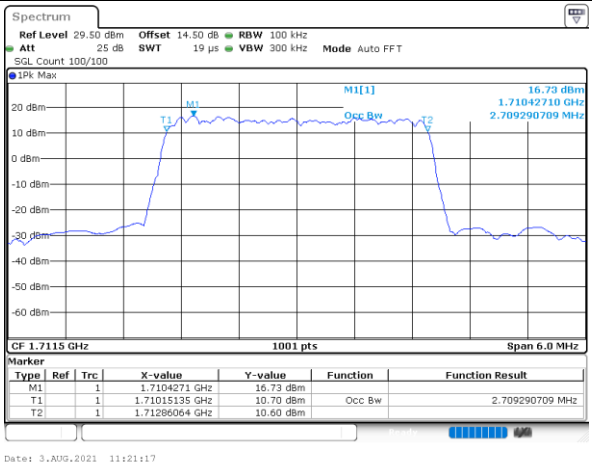


Highest Channel / 1.4MHz / 16QAM

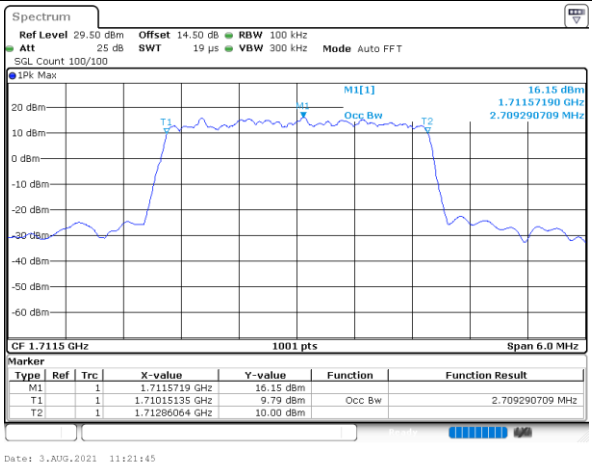


LTE Band 4

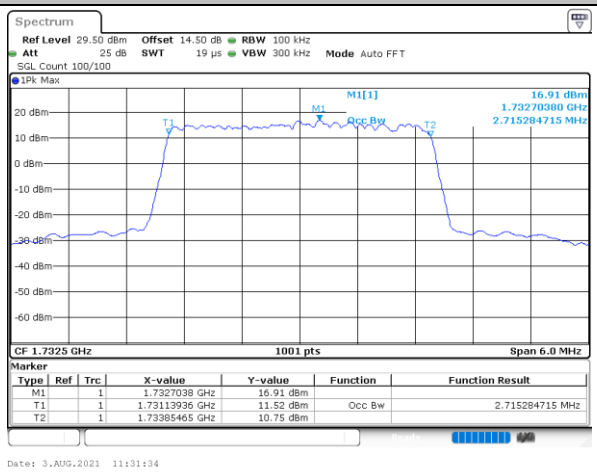
Lowest Channel / 3MHz / QPSK



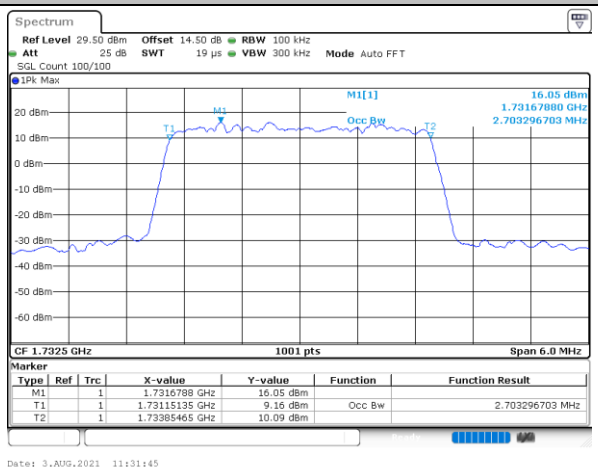
Lowest Channel / 3MHz / 16QAM



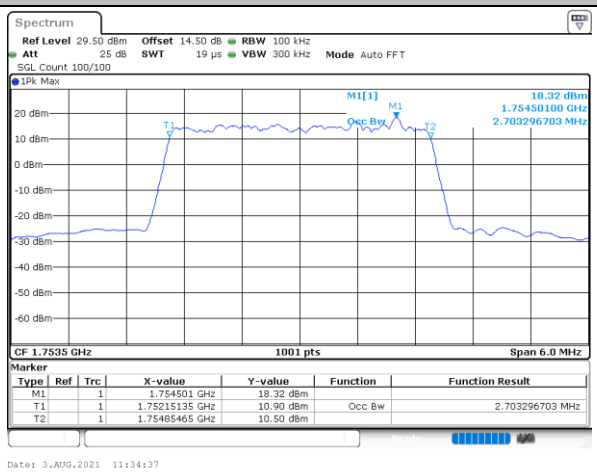
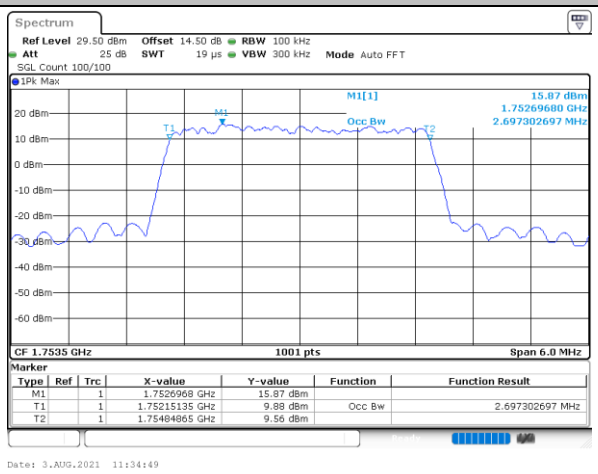
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM