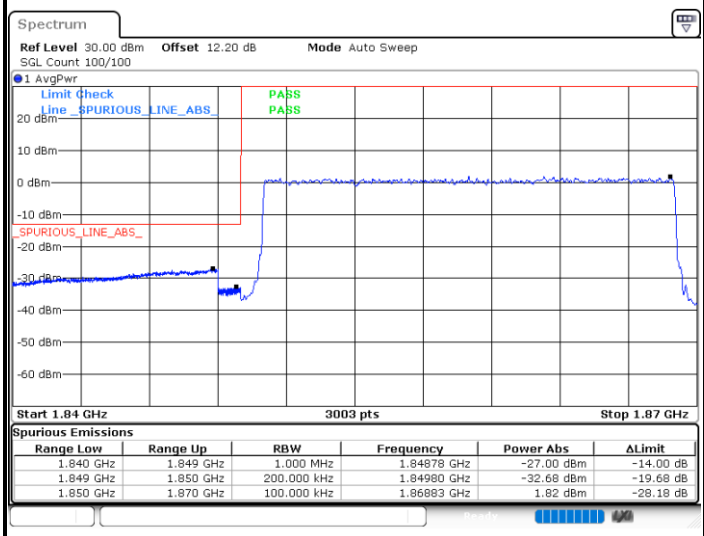
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / Full RB

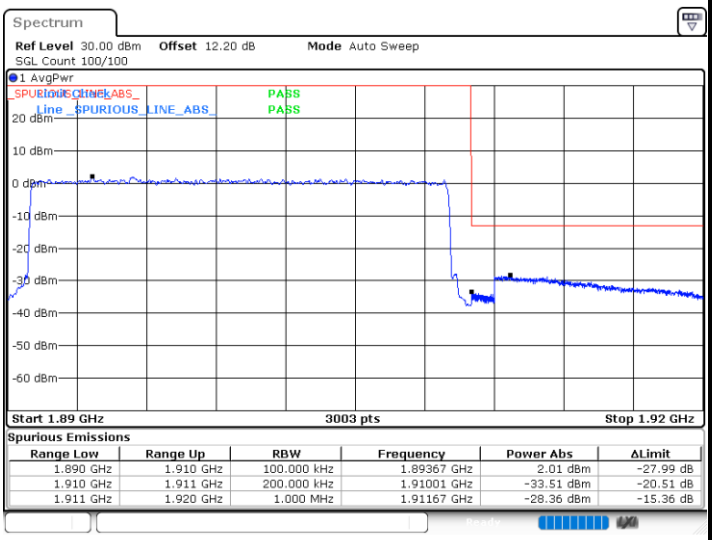


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84878 GHz	-27.00 dBm	-14.00 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84980 GHz	-32.68 dBm	-19.68 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86883 GHz	1.82 dBm	-28.18 dB

Date: 13.JUN.2024 12:16:14

Highest Band Edge / Full RB



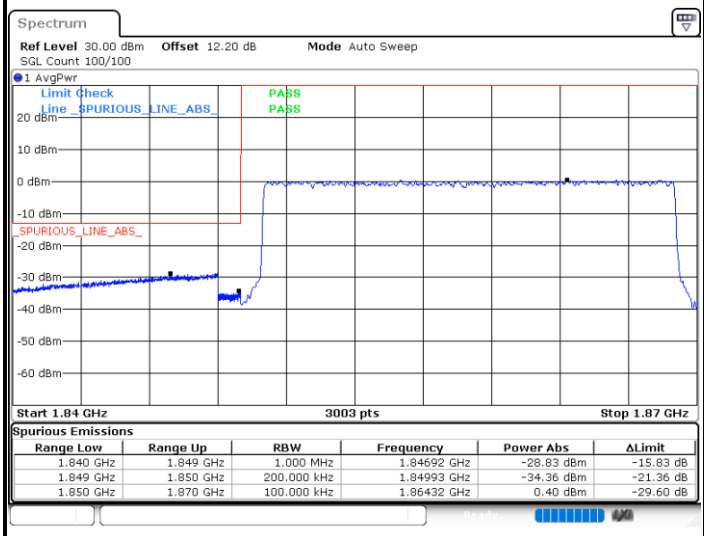
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89367 GHz	2.01 dBm	-27.99 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-33.51 dBm	-20.51 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91167 GHz	-28.36 dBm	-15.36 dB

Date: 13.JUN.2024 12:23:21

LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / Full RB

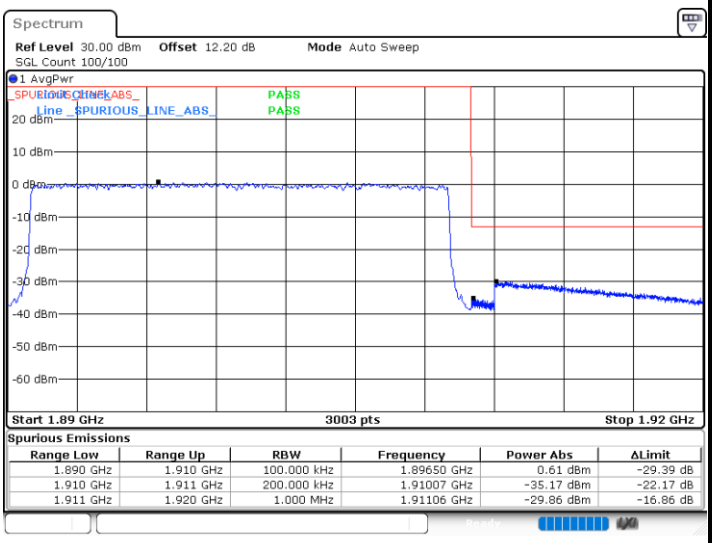


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84692 GHz	-28.83 dBm	-15.83 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84993 GHz	-34.36 dBm	-21.36 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86432 GHz	0.40 dBm	-29.60 dB

Date: 13.JUN.2024 12:16:43

Highest Band Edge / Full RB



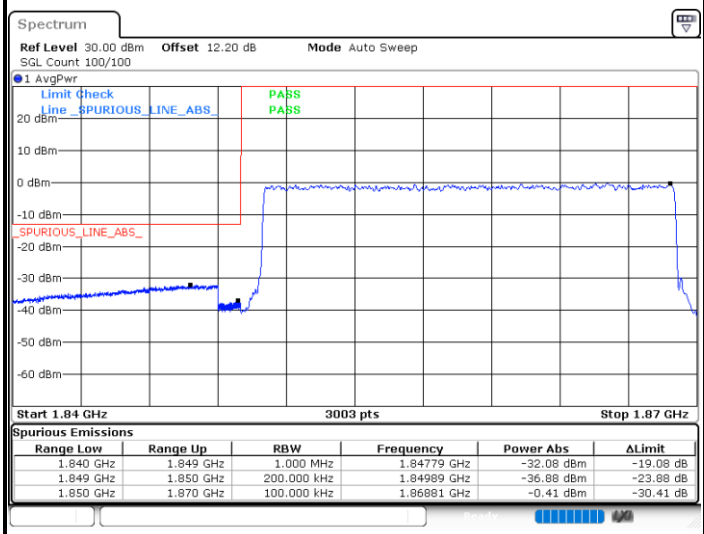
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89650 GHz	0.61 dBm	-29.39 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91007 GHz	-35.17 dBm	-22.17 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91106 GHz	-29.86 dBm	-16.86 dB

Date: 13.JUN.2024 12:23:50

LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / Full RB

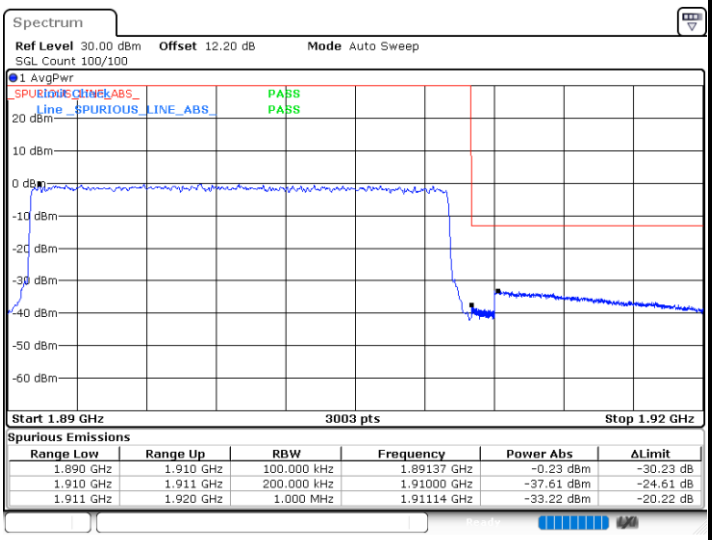


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84779 GHz	-32.08 dBm	-19.08 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84989 GHz	-36.88 dBm	-23.88 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86881 GHz	-0.41 dBm	-30.41 dB

Date: 13.JUN.2024 12:17:12

Highest Band Edge / Full RB



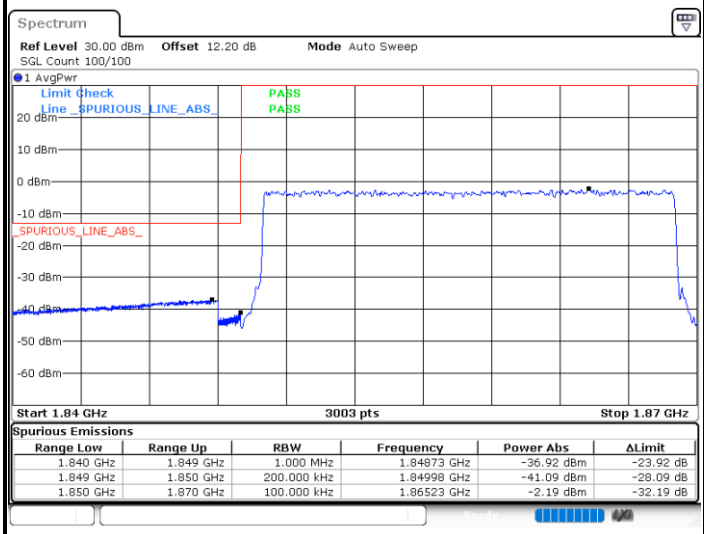
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89137 GHz	-0.23 dBm	-30.23 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91000 GHz	-37.61 dBm	-24.61 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91114 GHz	-33.22 dBm	-20.22 dB

Date: 13.JUN.2024 12:24:19

LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / Full RB

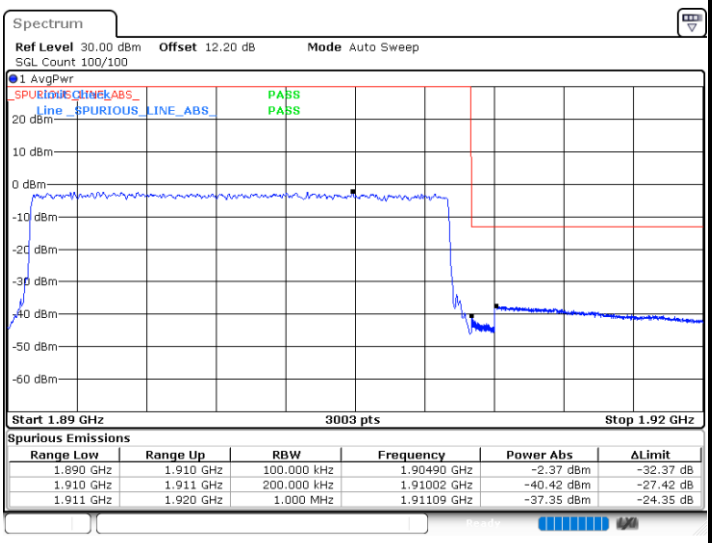


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84873 GHz	-36.92 dBm	-23.92 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84998 GHz	-41.09 dBm	-28.09 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86523 GHz	-2.19 dBm	-32.19 dB

Date: 13.JUN.2024 12:17:41

Highest Band Edge / Full RB



Spurious Emissions

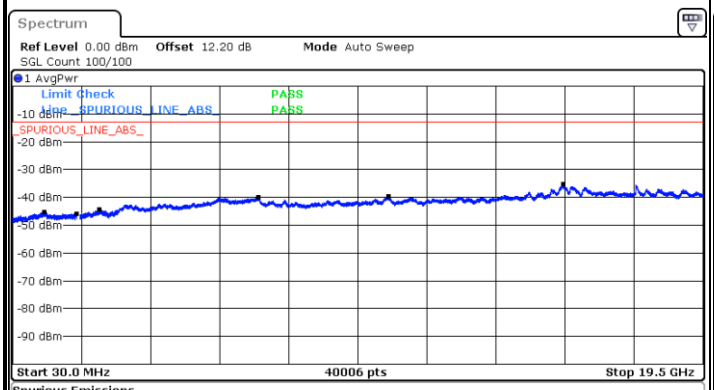
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90490 GHz	-2.37 dBm	-32.37 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-40.42 dBm	-27.42 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-37.35 dBm	-24.35 dB

Date: 13.JUN.2024 12:24:48

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

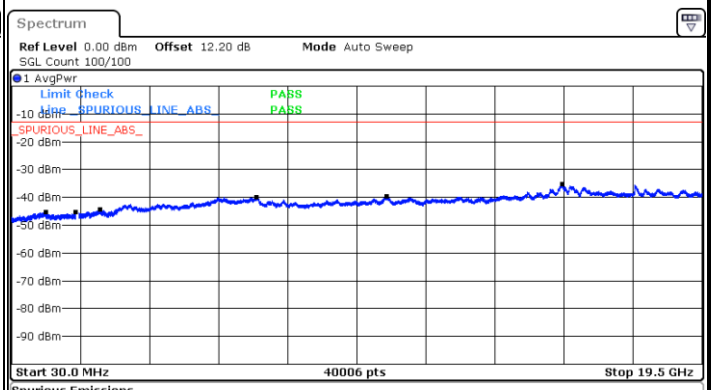


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-45.27 dBm	-32.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83685 GHz	-45.82 dBm	-32.82 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.47332 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95442 GHz	-39.91 dBm	-26.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62255 GHz	-39.63 dBm	-26.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.55155 GHz	-35.36 dBm	-22.36 dB

Date: 13.JUN.2024 10:27:16

Middle Channel / QPSK

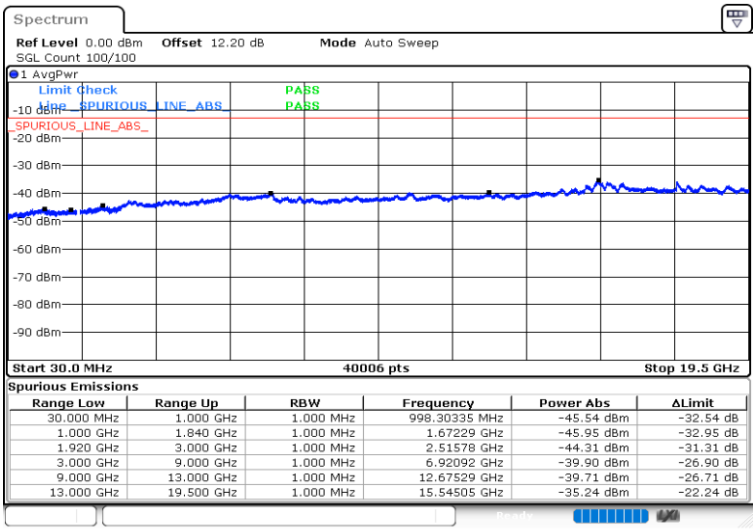


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-45.44 dBm	-32.44 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82762 GHz	-45.44 dBm	-32.44 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52550 GHz	-44.43 dBm	-31.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92342 GHz	-40.00 dBm	-27.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59255 GHz	-39.78 dBm	-26.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54605 GHz	-35.27 dBm	-22.27 dB

Date: 13.JUN.2024 10:28:29

Highest Channel / QPSK



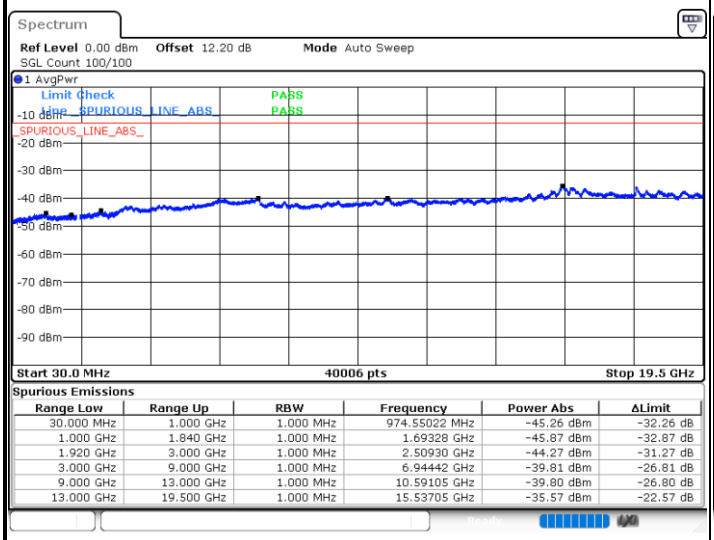
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-45.54 dBm	-32.54 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67229 GHz	-45.95 dBm	-32.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51578 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92092 GHz	-39.90 dBm	-26.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67529 GHz	-39.71 dBm	-26.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54505 GHz	-35.24 dBm	-22.24 dB

Date: 13.JUN.2024 10:29:43

LTE Band 2 / 3MHz

Lowest Channel / QPSK

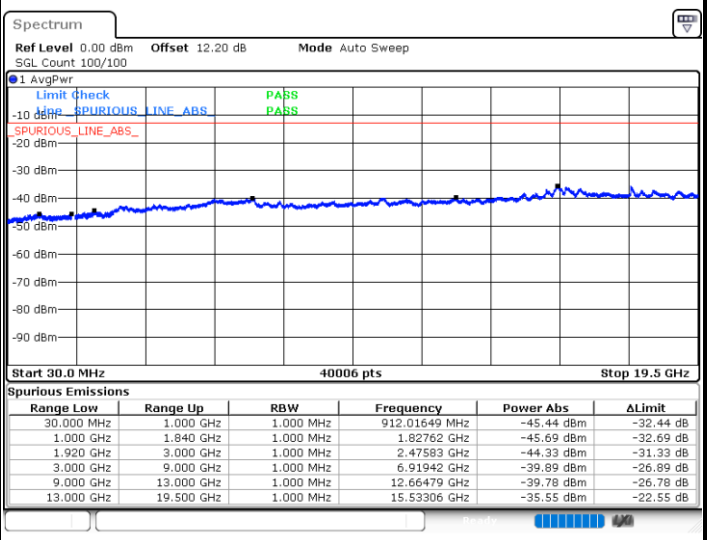


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-45.26 dBm	-32.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69328 GHz	-45.87 dBm	-32.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50930 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94442 GHz	-39.81 dBm	-26.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59105 GHz	-39.80 dBm	-26.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.53705 GHz	-35.57 dBm	-22.57 dB

Date: 13.JUN.2024 10:42:44

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-45.44 dBm	-32.44 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82762 GHz	-45.69 dBm	-32.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.47583 GHz	-44.33 dBm	-31.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91942 GHz	-39.89 dBm	-26.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66479 GHz	-39.78 dBm	-26.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.53306 GHz	-35.55 dBm	-22.55 dB

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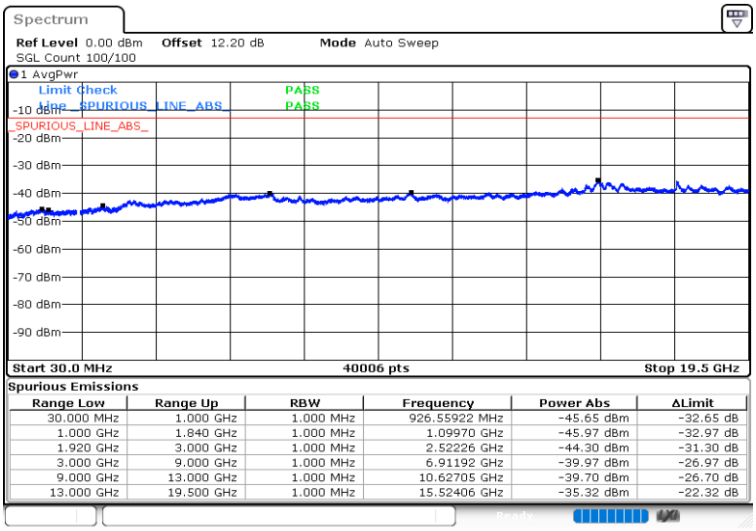
Highest Channel / QPSK



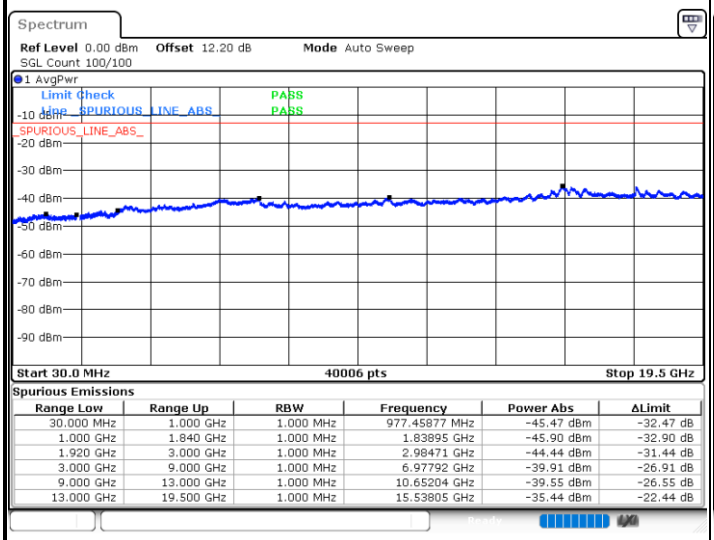
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-45.65 dBm	-32.65 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.09970 GHz	-45.97 dBm	-32.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52226 GHz	-44.30 dBm	-31.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91192 GHz	-39.97 dBm	-26.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62705 GHz	-39.70 dBm	-26.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.52406 GHz	-35.32 dBm	-22.32 dB

Date: 13.JUN.2024 10:45:11

LTE Band 2 / 5MHz

Lowest Channel / QPSK

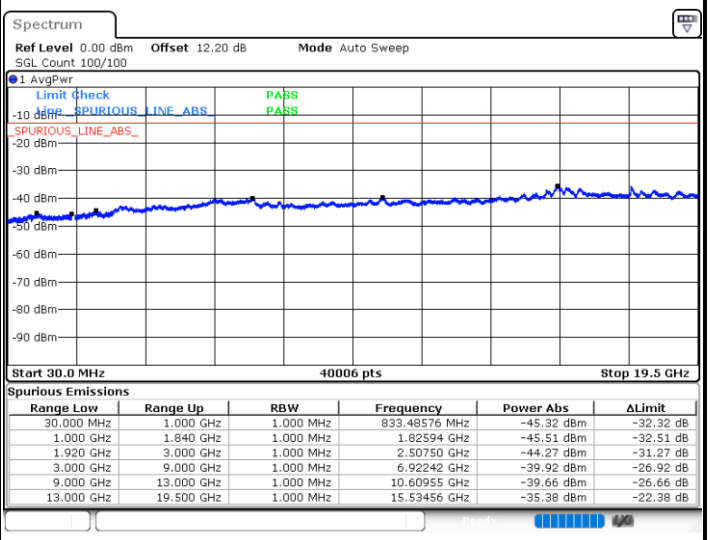


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-45.47 dBm	-32.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-45.90 dBm	-32.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98471 GHz	-44.44 dBm	-31.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97792 GHz	-39.91 dBm	-26.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65204 GHz	-39.55 dBm	-26.55 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.53805 GHz	-35.44 dBm	-22.44 dB

Date: 13.JUN.2024 11:07:57

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.48576 MHz	-45.32 dBm	-32.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82594 GHz	-45.51 dBm	-32.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50750 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92242 GHz	-39.92 dBm	-26.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60955 GHz	-39.66 dBm	-26.66 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.53456 GHz	-35.38 dBm	-22.38 dB

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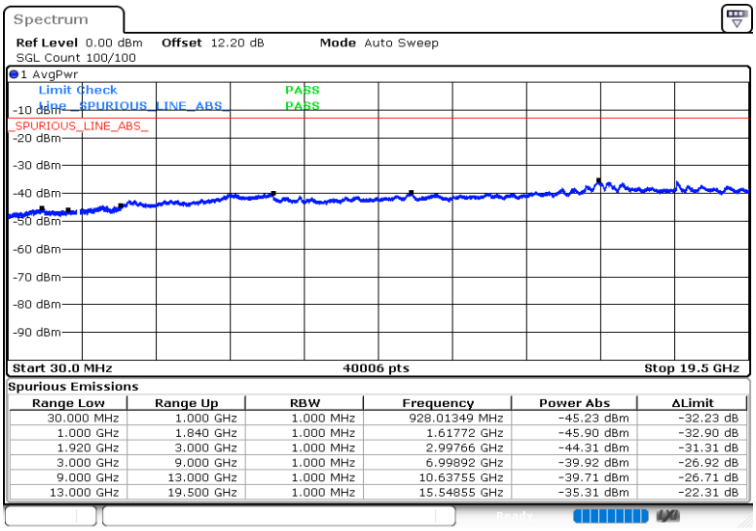
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-45.23 dBm	-32.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61772 GHz	-45.90 dBm	-32.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99766 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-39.92 dBm	-26.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63755 GHz	-39.71 dBm	-26.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54855 GHz	-35.31 dBm	-22.31 dB

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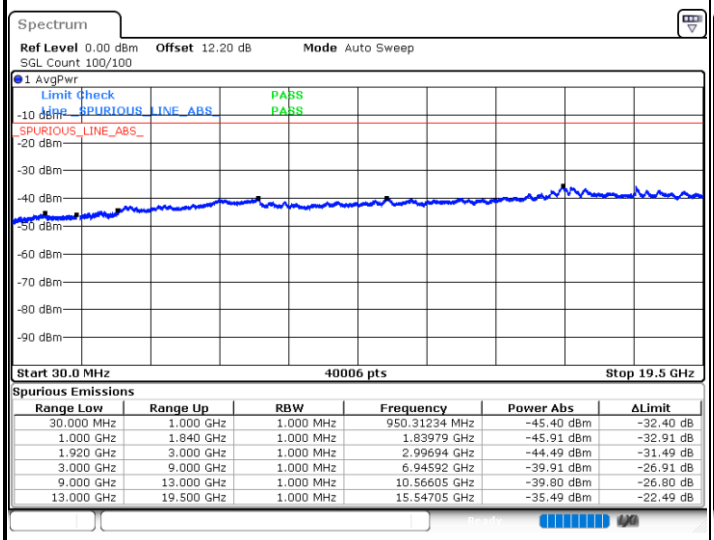
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-45.40 dBm	-32.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-45.91 dBm	-32.91 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99694 GHz	-44.49 dBm	-31.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94592 GHz	-39.91 dBm	-26.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56605 GHz	-39.80 dBm	-26.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54705 GHz	-35.49 dBm	-22.49 dB

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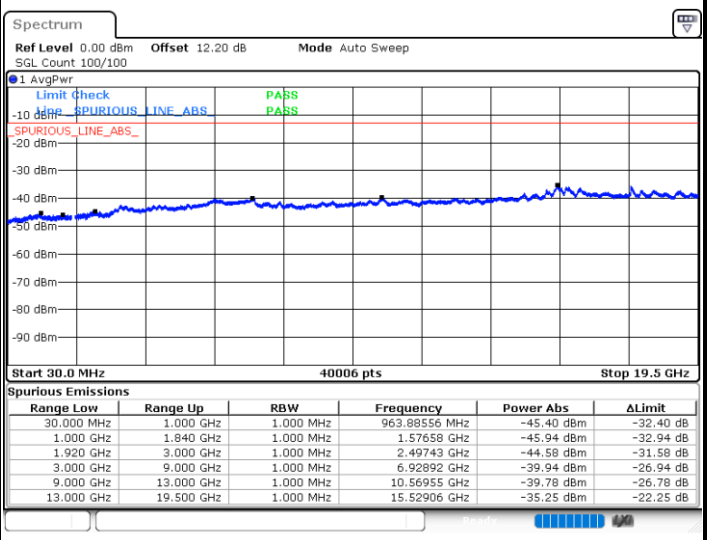
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.88556 MHz	-45.40 dBm	-32.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57658 GHz	-45.94 dBm	-32.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49743 GHz	-44.58 dBm	-31.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92892 GHz	-39.94 dBm	-26.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56955 GHz	-39.78 dBm	-26.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.52906 GHz	-35.25 dBm	-22.25 dB

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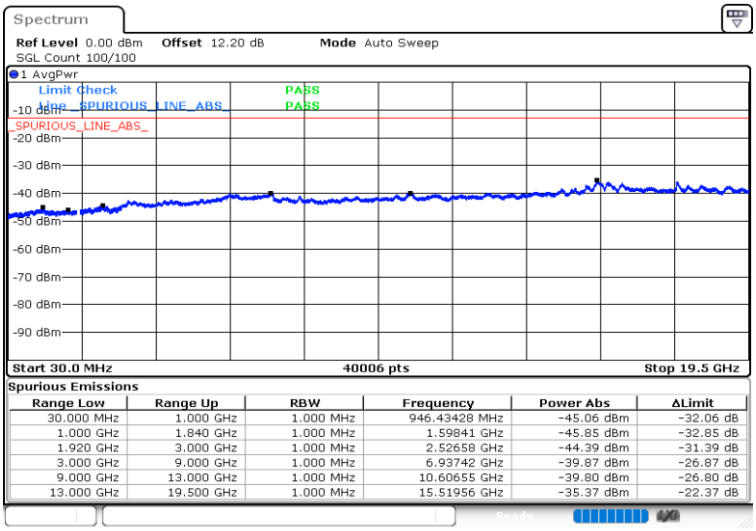
Highest Channel / QPSK



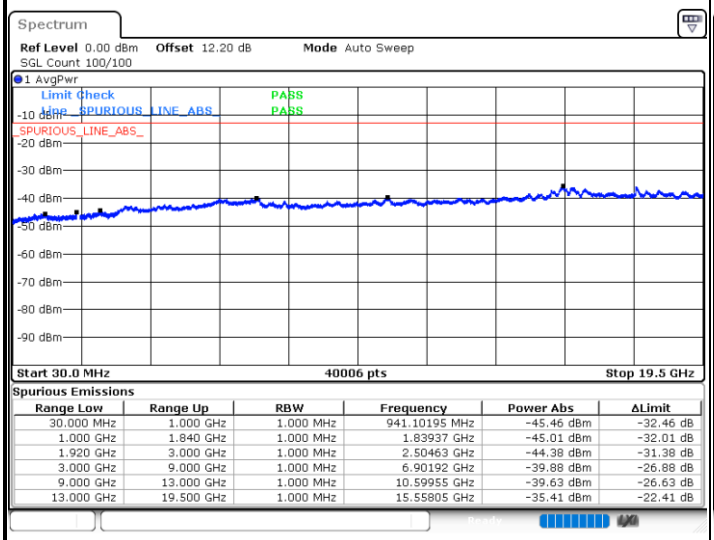
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-45.06 dBm	-32.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59841 GHz	-45.85 dBm	-32.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52658 GHz	-44.39 dBm	-31.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93742 GHz	-39.87 dBm	-26.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60655 GHz	-39.80 dBm	-26.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.51956 GHz	-35.37 dBm	-22.37 dB

Date: 13.JUN.2024 11:43:35

LTE Band 2 / 15MHz

Lowest Channel / QPSK

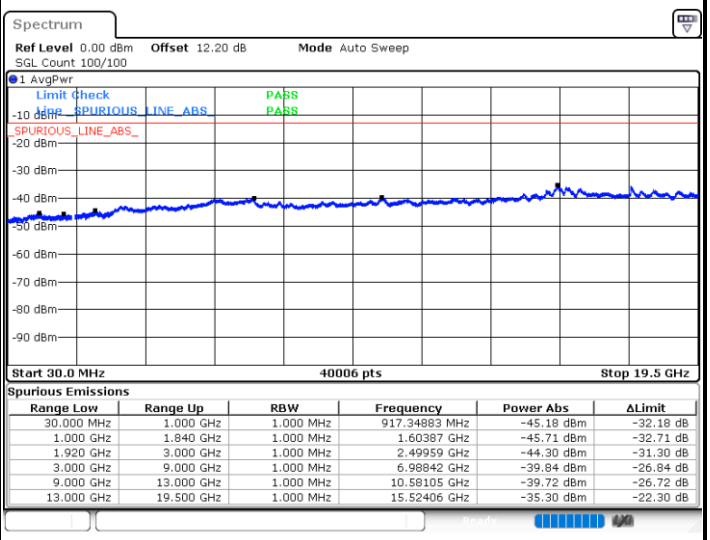


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-45.46 dBm	-32.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-45.01 dBm	-32.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50463 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90192 GHz	-39.88 dBm	-26.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59955 GHz	-39.63 dBm	-26.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.55805 GHz	-35.41 dBm	-22.41 dB

Date: 13.JUN.2024 11:56:35

Middle Channel / QPSK

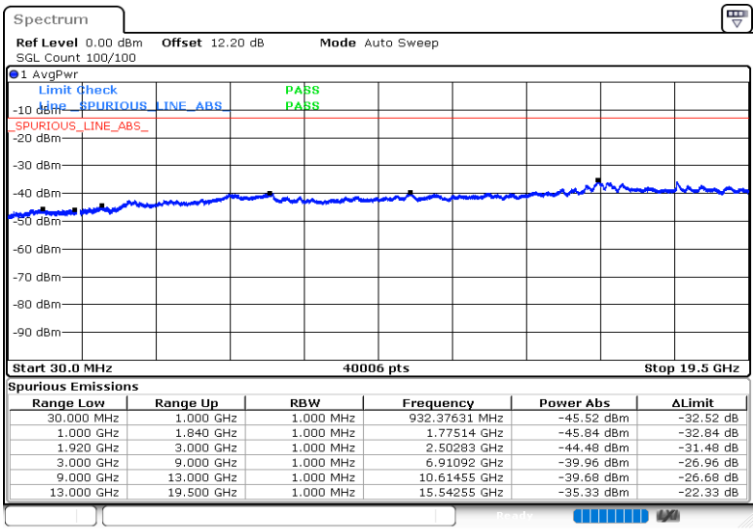


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-45.18 dBm	-32.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60387 GHz	-45.71 dBm	-32.71 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49959 GHz	-44.30 dBm	-31.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-39.84 dBm	-26.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58105 GHz	-39.72 dBm	-26.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.52406 GHz	-35.30 dBm	-22.30 dB

Date: 13.JUN.2024 11:57:48

Highest Channel / QPSK



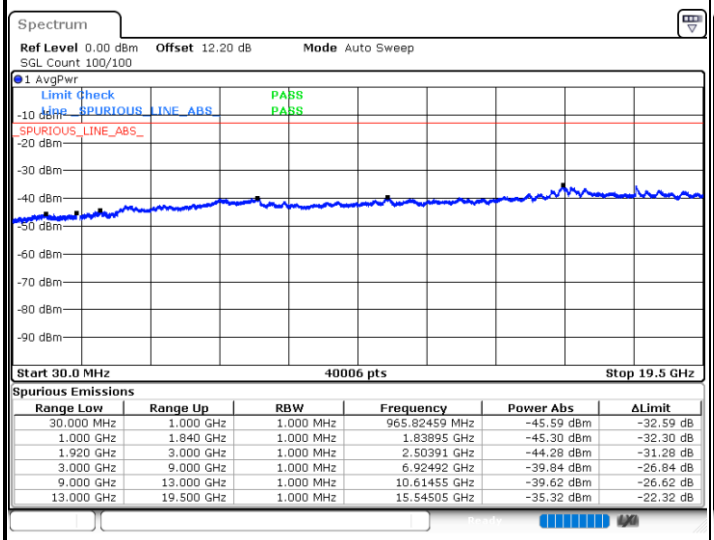
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-45.52 dBm	-32.52 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77514 GHz	-45.84 dBm	-32.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50283 GHz	-44.48 dBm	-31.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91092 GHz	-39.96 dBm	-26.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61455 GHz	-39.68 dBm	-26.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54255 GHz	-35.33 dBm	-22.33 dB

Date: 13.JUN.2024 11:59:01

LTE Band 2 / 20MHz

Lowest Channel / QPSK

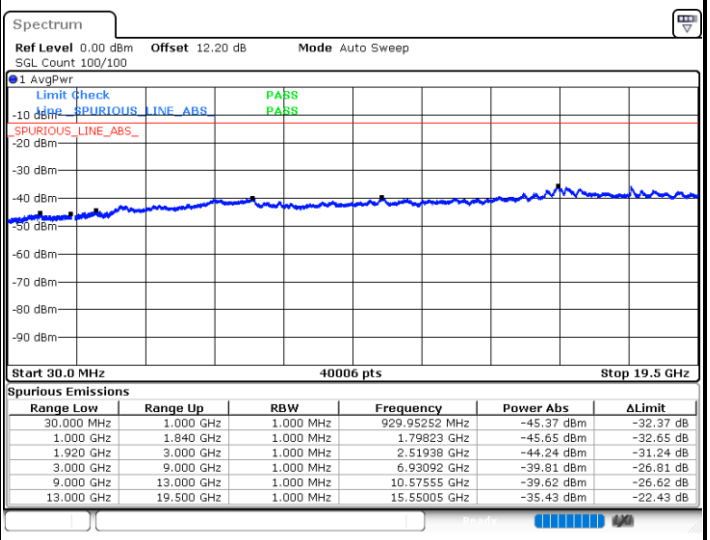


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-45.30 dBm	-32.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50391 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-39.84 dBm	-26.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61455 GHz	-39.62 dBm	-26.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.54505 GHz	-35.32 dBm	-22.32 dB

Date: 13.JUN.2024 12:29:18

Middle Channel / QPSK

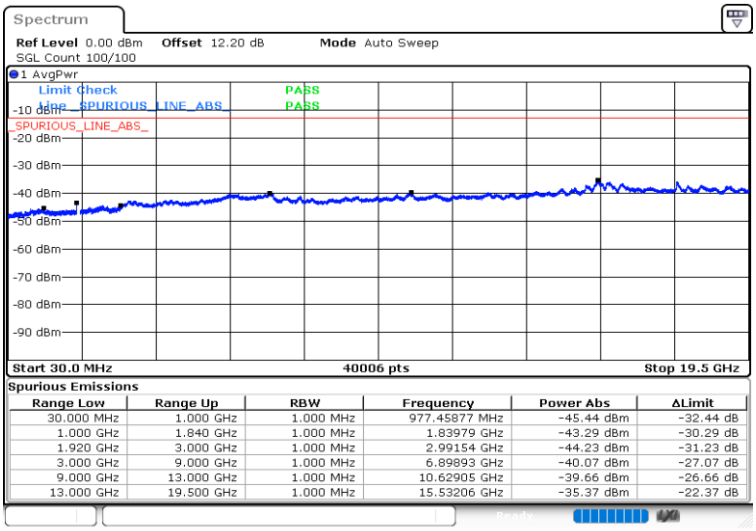


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-45.37 dBm	-32.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79823 GHz	-45.65 dBm	-32.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51938 GHz	-44.24 dBm	-31.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93092 GHz	-39.81 dBm	-26.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57555 GHz	-39.62 dBm	-26.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.55005 GHz	-35.43 dBm	-22.43 dB

Date: 13.JUN.2024 12:31:38

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-45.44 dBm	-32.44 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-43.29 dBm	-30.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99154 GHz	-44.23 dBm	-31.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89893 GHz	-40.07 dBm	-27.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62905 GHz	-39.66 dBm	-26.66 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.53206 GHz	-35.37 dBm	-22.37 dB

Date: 13.JUN.2024 12:32:51

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0043	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

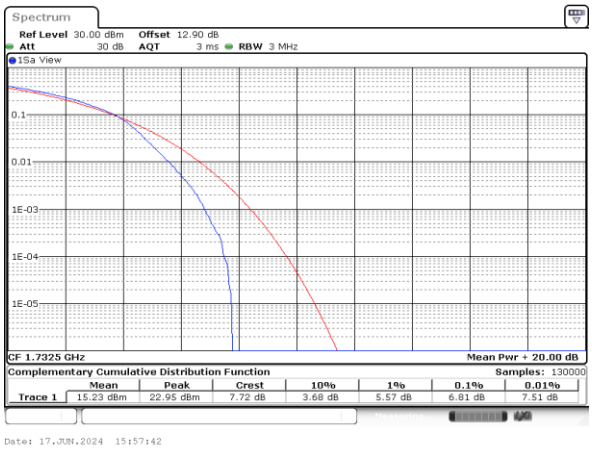
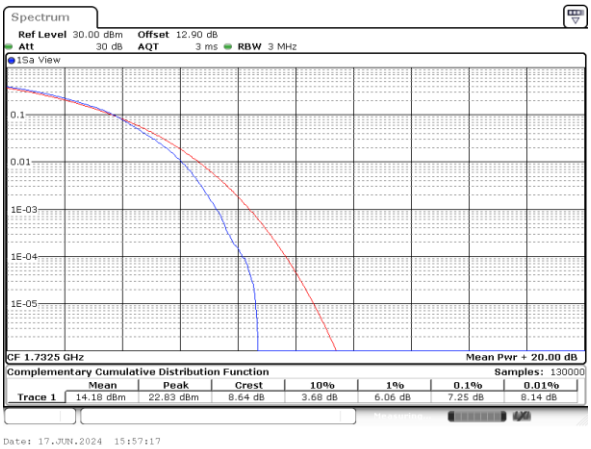
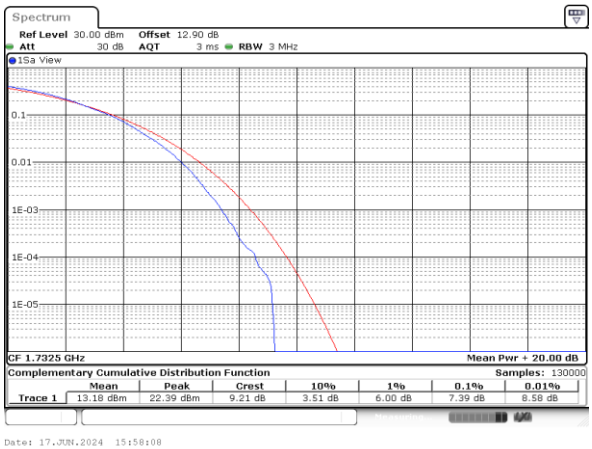
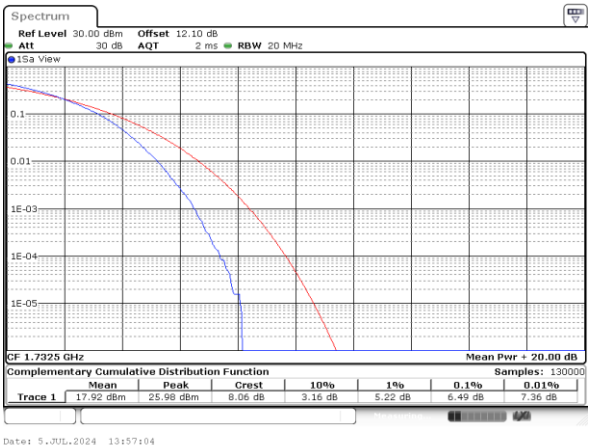
Note:

1. Normal Voltage = 5 V.；Battery End Point (BEP) = 4.5 V.；Maximum Voltage = 5.5 V.
2. 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	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.81	7.25	7.39	6.49	PASS

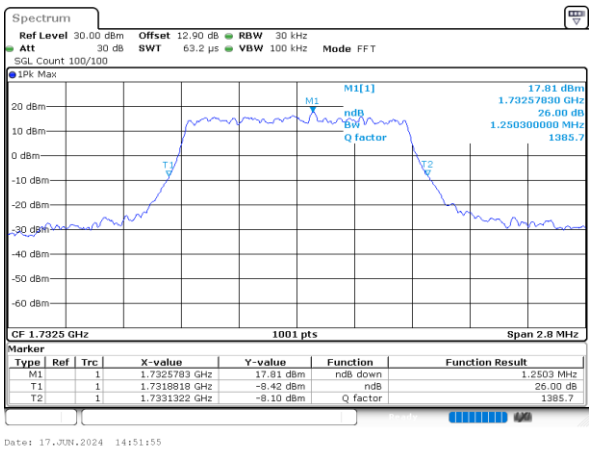
LTE Band 4 / 20MHz / QPSK	LTE Band 4 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 4 / 20MHz / 64QAM	LTE Band 4 / 20MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

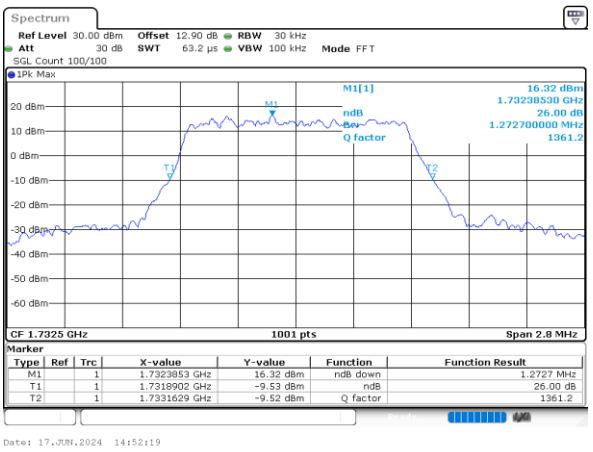
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.27	2.94	3.00	4.85	4.91	9.81	9.68	14.26	14.23	19.02	18.86
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.25	1.26	2.95	2.97	4.90	4.86	9.65	9.71	14.41	14.11	18.98	18.94

LTE Band 4

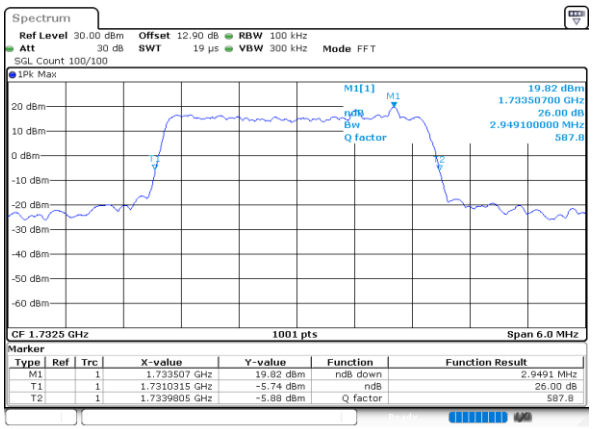
Middle Channel / 1.4MHz / QPSK



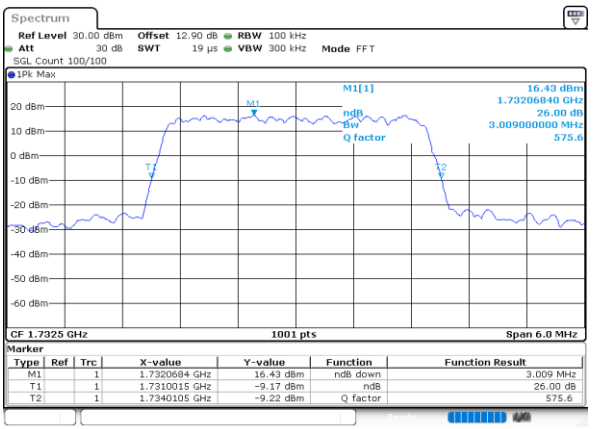
Middle Channel / 1.4MHz / 16QAM



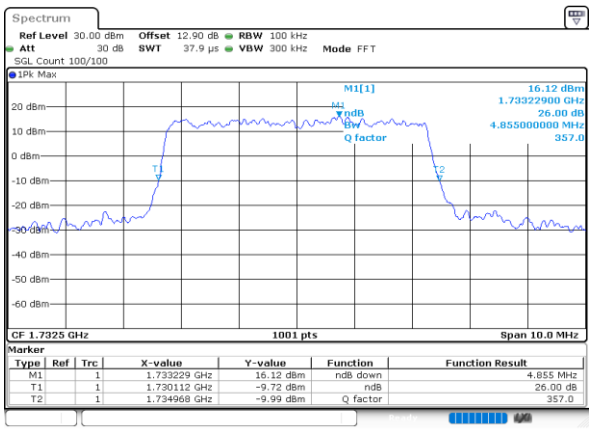
Middle Channel / 3MHz / QPSK



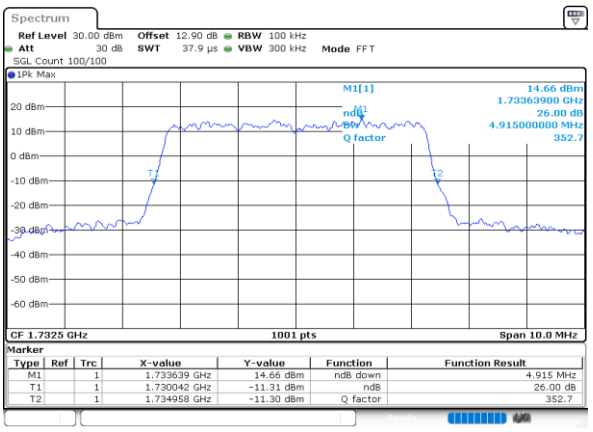
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

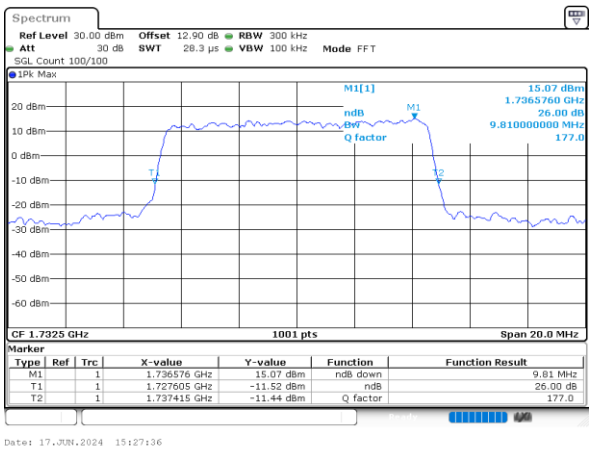


Middle Channel / 5MHz / 16QAM

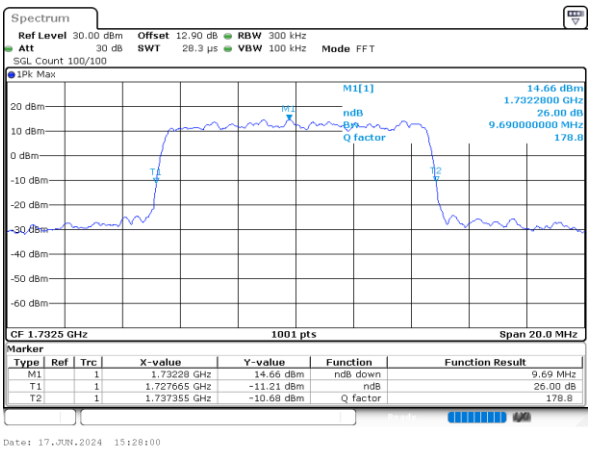


LTE Band 4

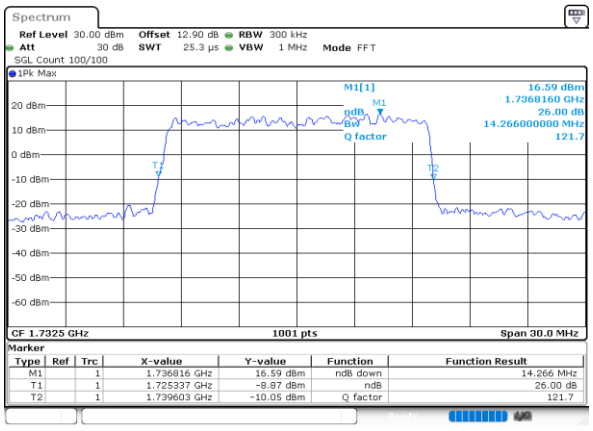
Middle Channel / 10MHz / QPSK



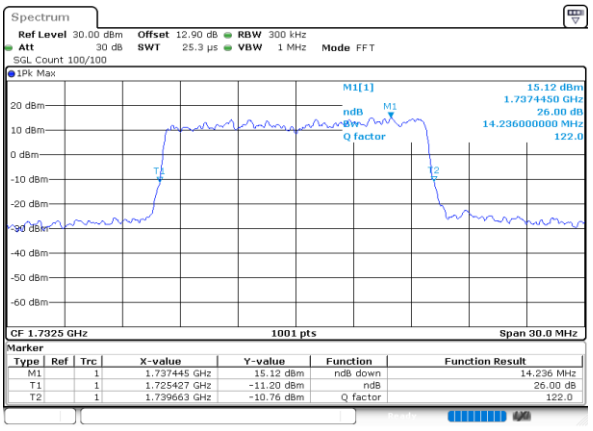
Middle Channel / 10MHz / 16QAM



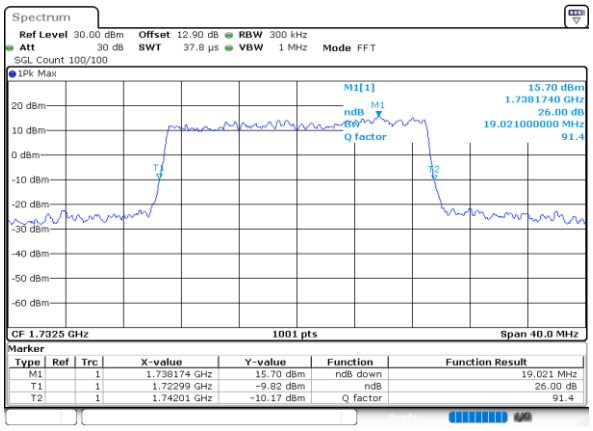
Middle Channel / 15MHz / QPSK



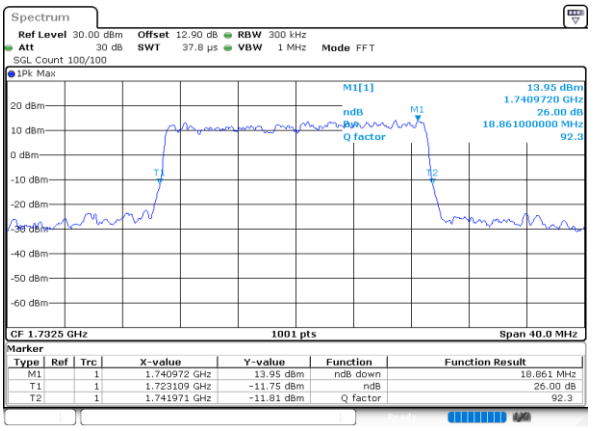
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

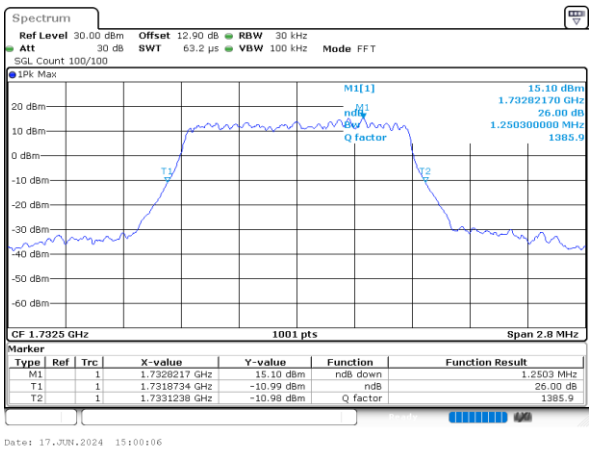


Middle Channel / 20MHz / 16QAM

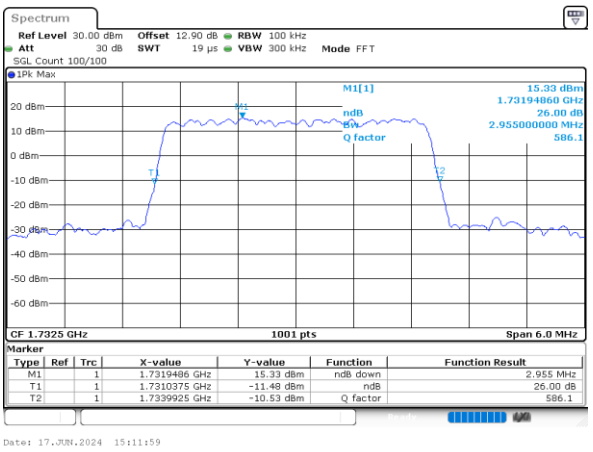


LTE Band 4

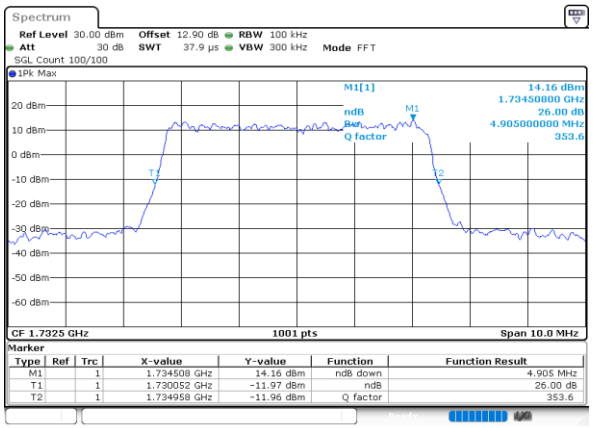
Middle Channel / 1.4MHz / 64QAM



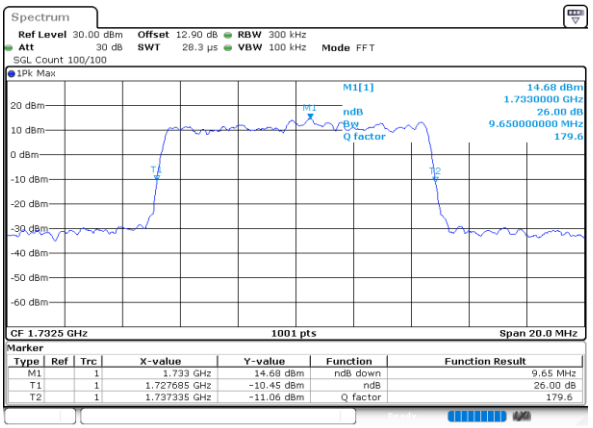
Middle Channel / 3MHz / 64QAM



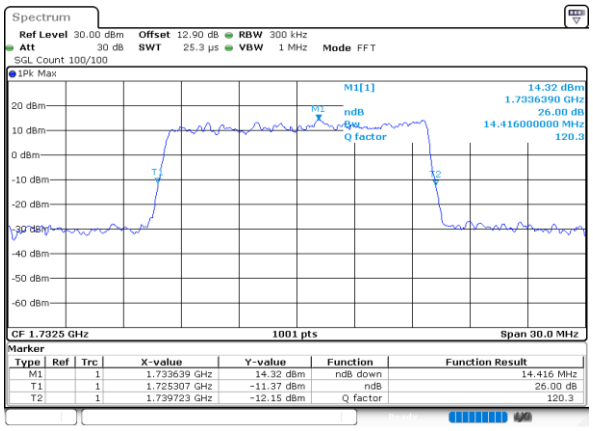
Middle Channel / 5MHz / 64QAM



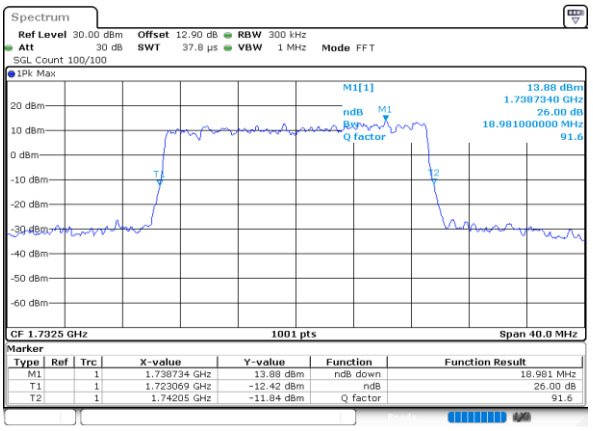
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

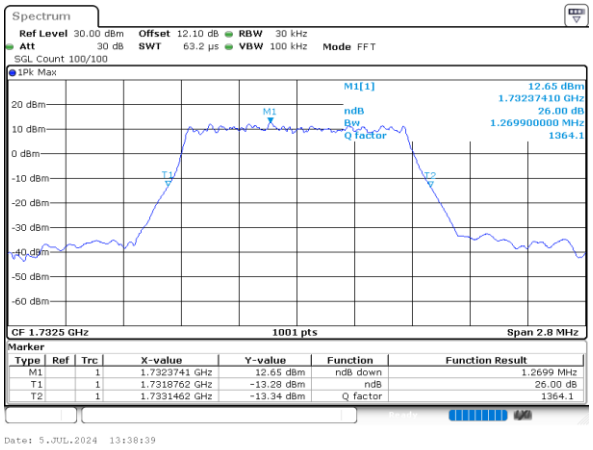


Middle Channel / 20MHz / 64QAM

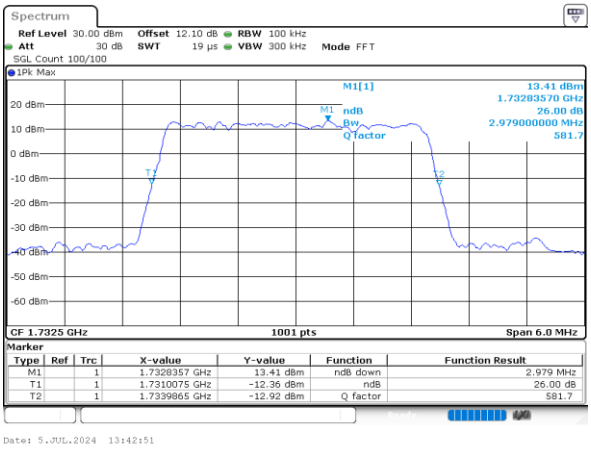


LTE Band 4

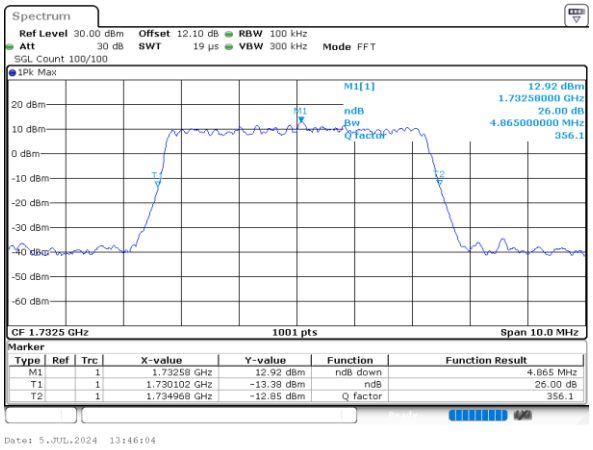
Middle Channel / 1.4MHz / 256QAM



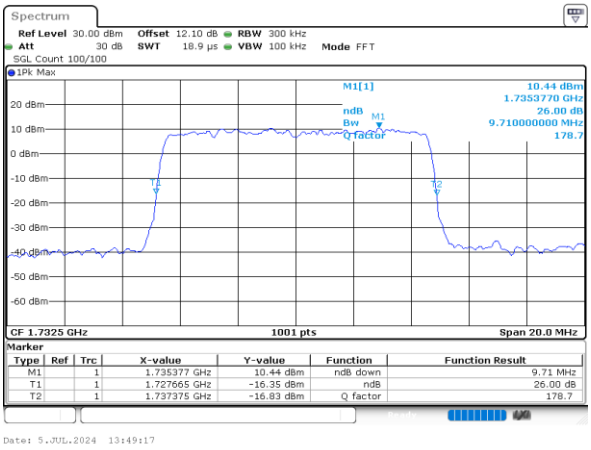
Middle Channel / 3MHz / 256QAM



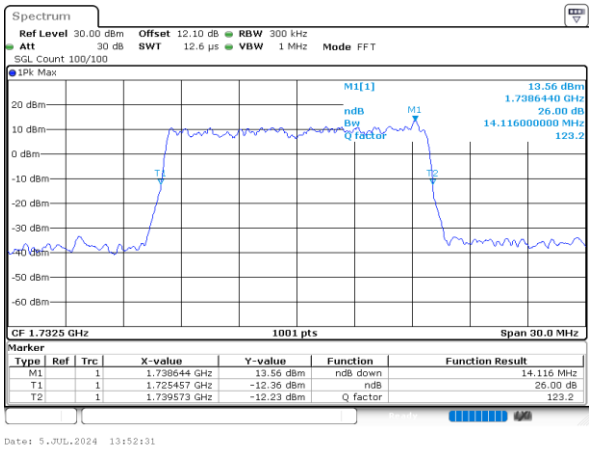
Middle Channel / 5MHz / 256QAM



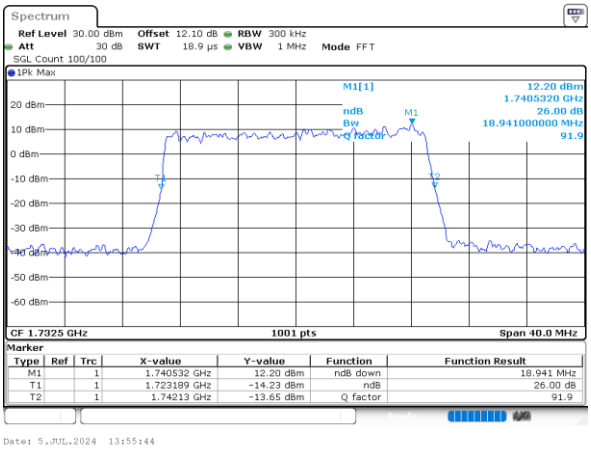
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

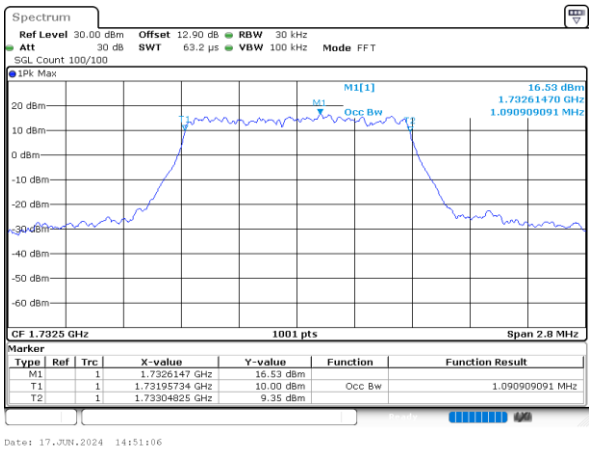


Occupied Bandwidth

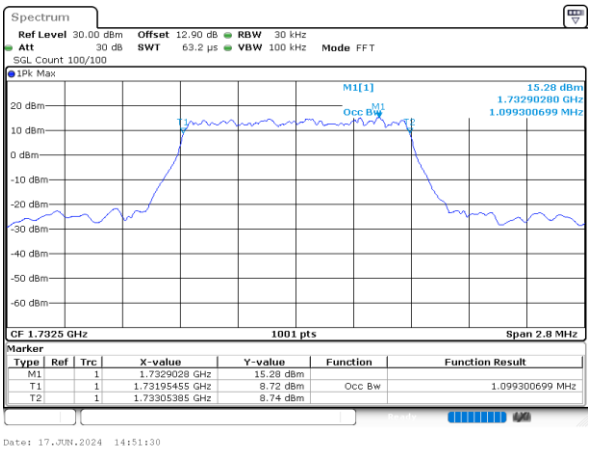
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.70	4.48	4.48	9.09	9.03	13.45	13.48	17.90	17.90
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	1.09	2.72	2.72	4.48	4.48	9.07	9.05	13.39	13.48	17.90	17.90

LTE Band 4

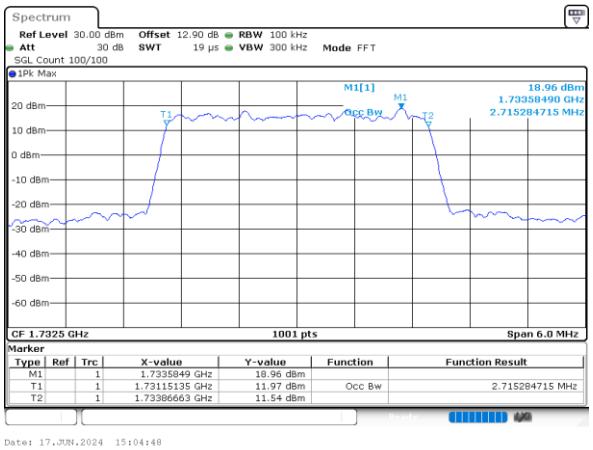
Middle Channel / 1.4MHz / QPSK



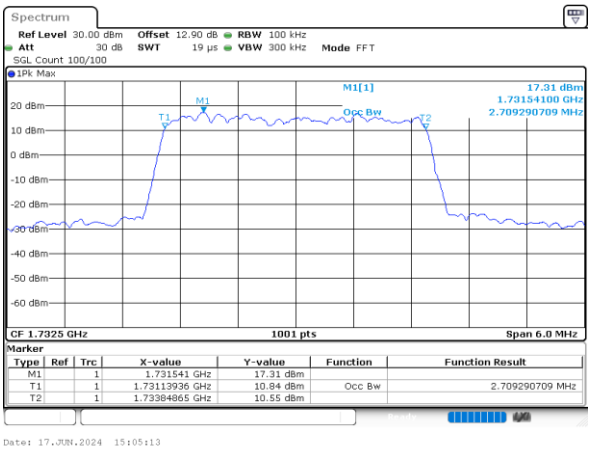
Middle Channel / 1.4MHz / 16QAM



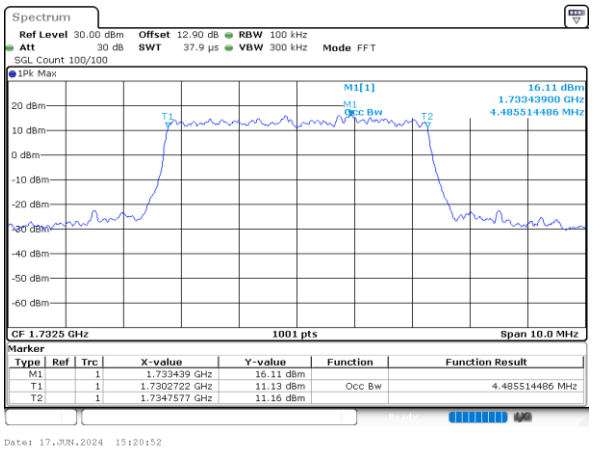
Middle Channel / 3MHz / QPSK



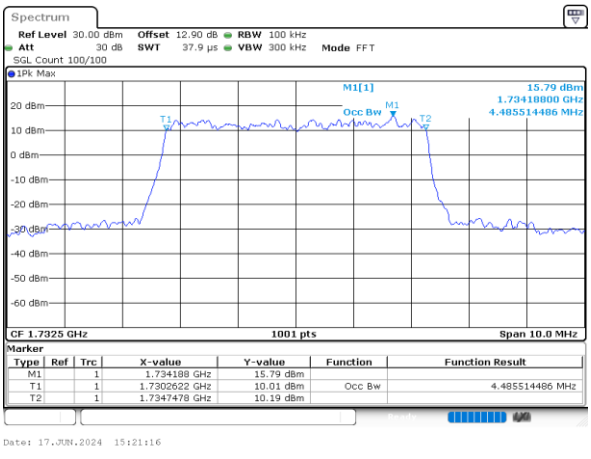
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

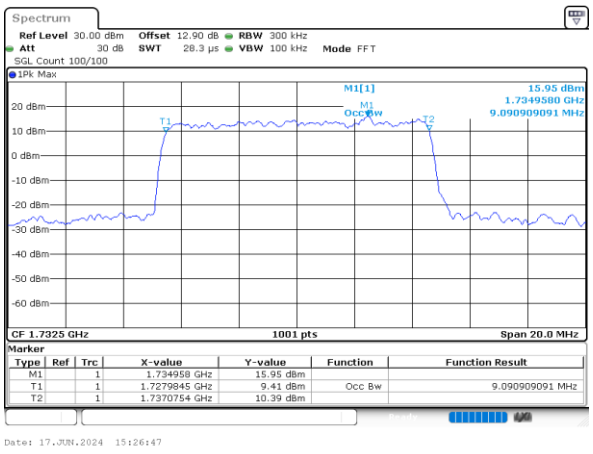


Middle Channel / 5MHz / 16QAM

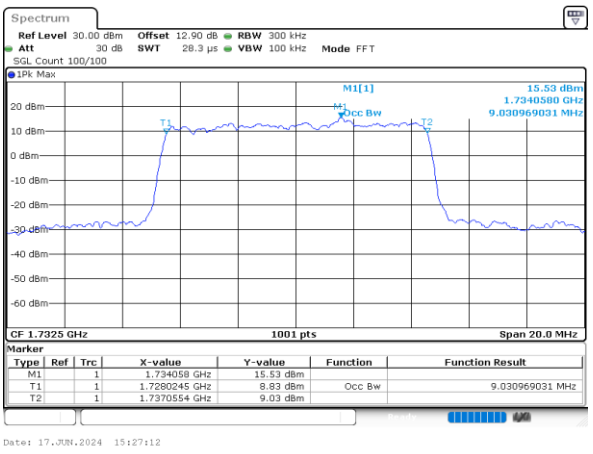


LTE Band 4

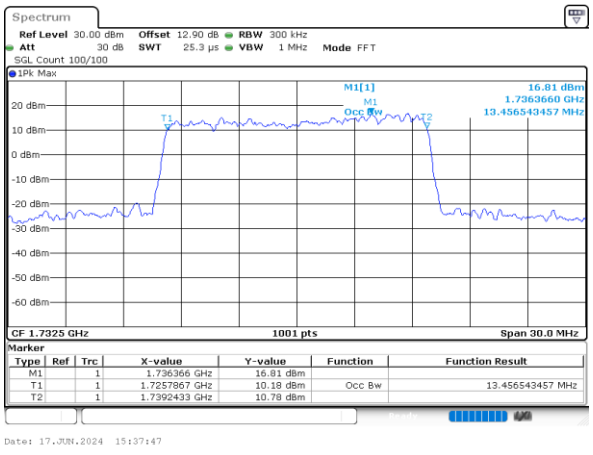
Middle Channel / 10MHz / QPSK



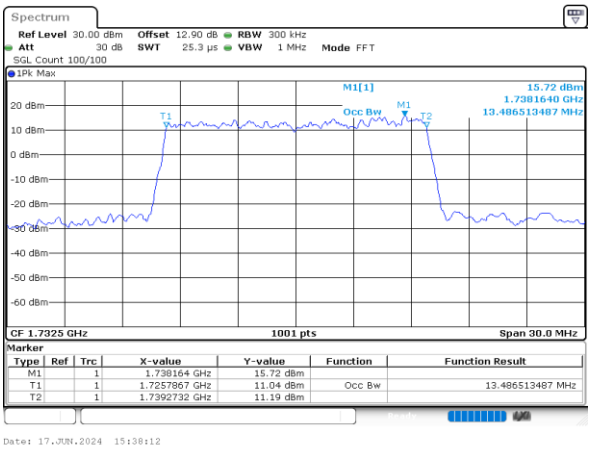
Middle Channel / 10MHz / 16QAM



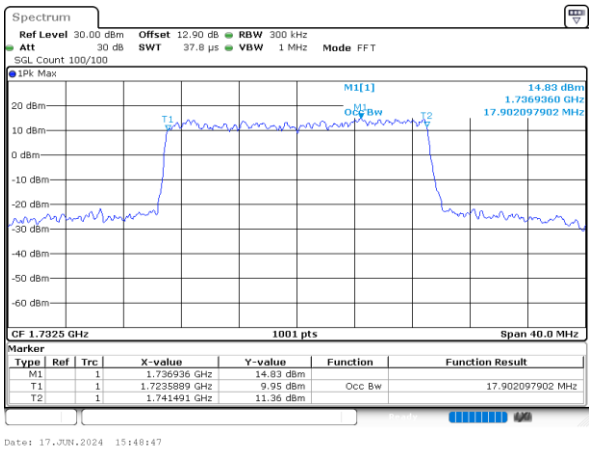
Middle Channel / 15MHz / QPSK



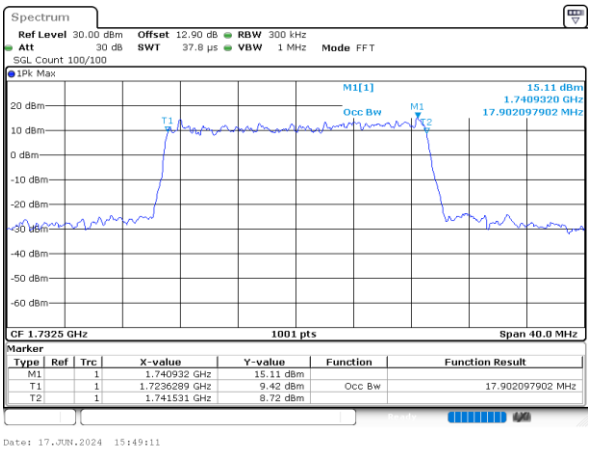
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

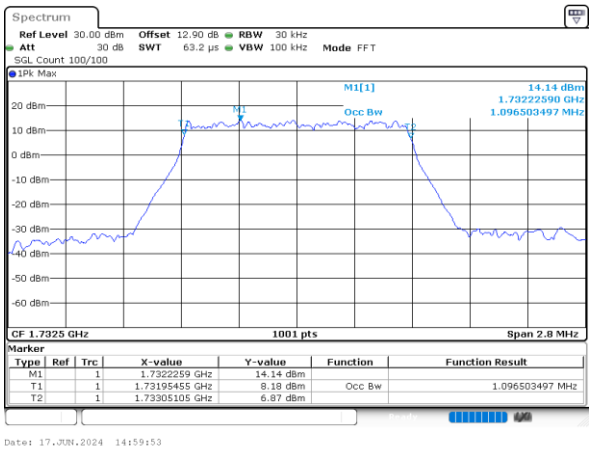


Middle Channel / 20MHz / 16QAM

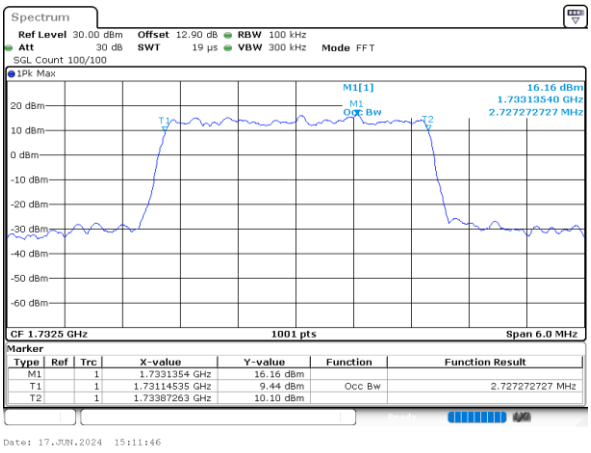


LTE Band 4

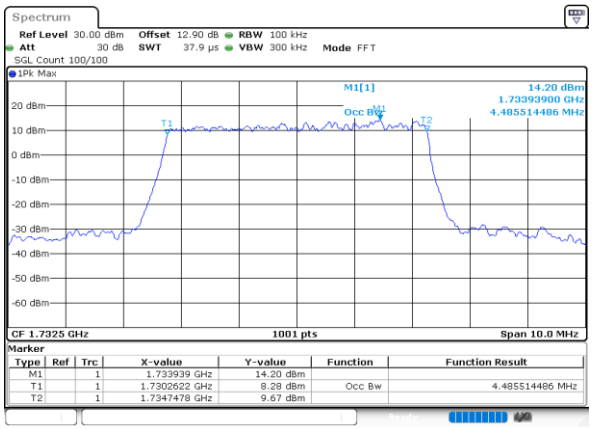
Middle Channel / 1.4MHz / 64QAM



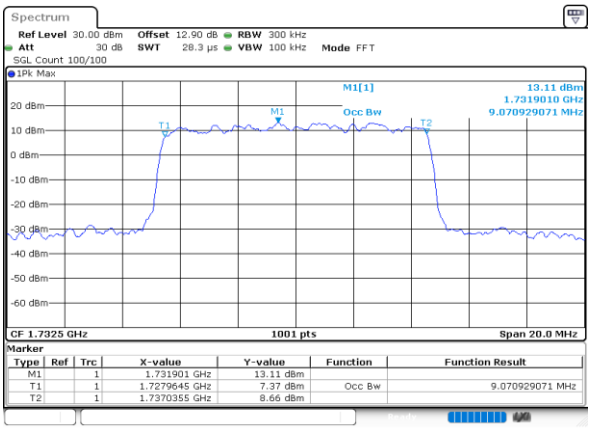
Middle Channel / 3MHz / 64QAM



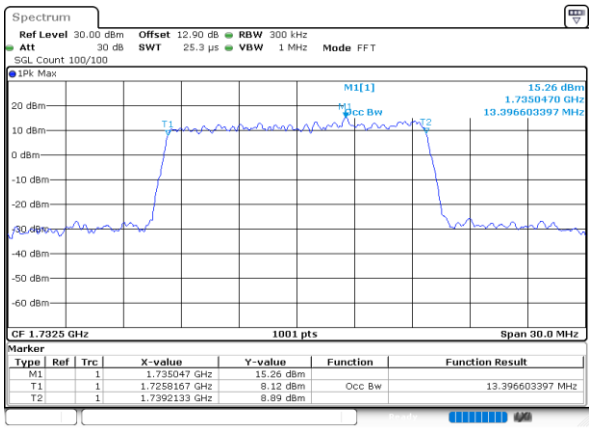
Middle Channel / 5MHz / 64QAM



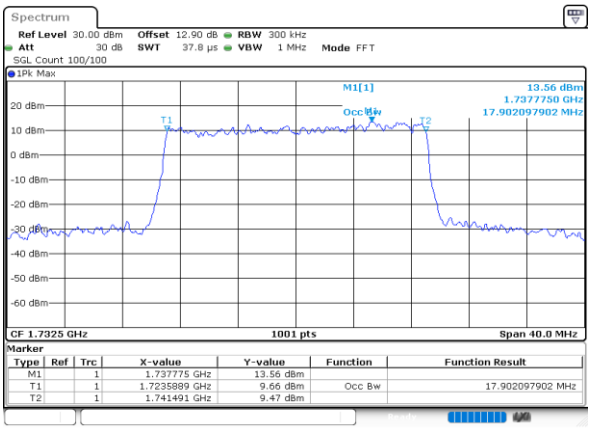
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

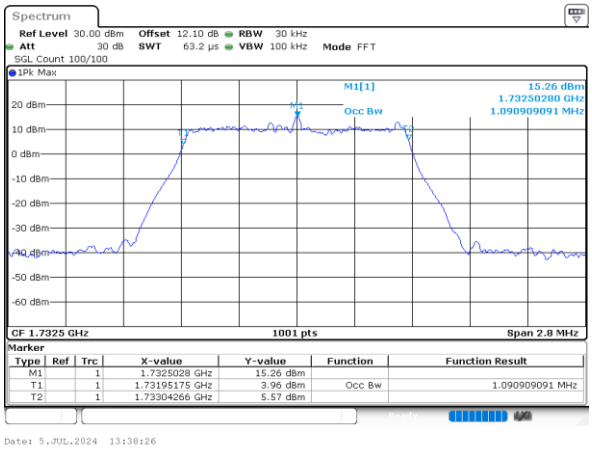


Middle Channel / 20MHz / 64QAM

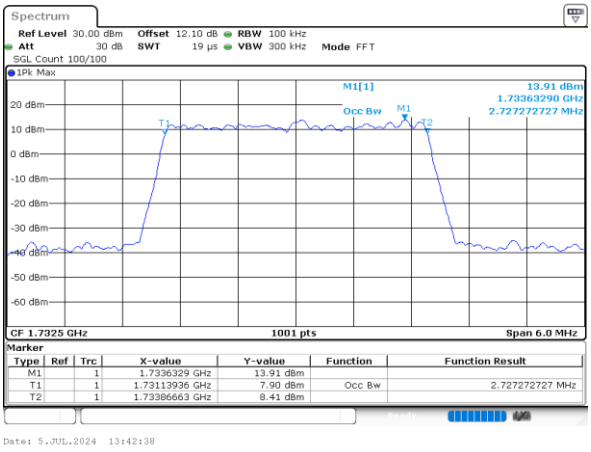


LTE Band 4

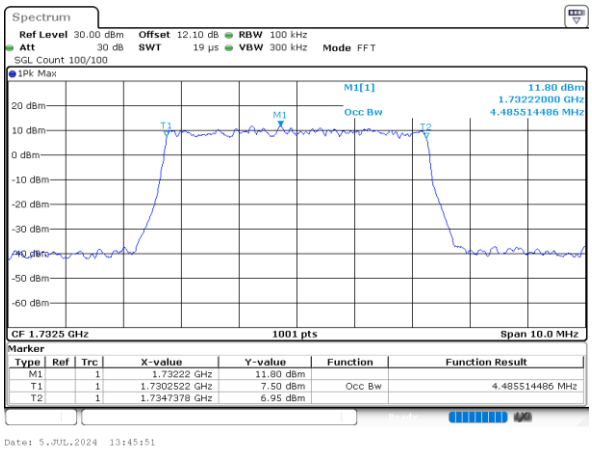
Middle Channel / 1.4MHz / 256QAM



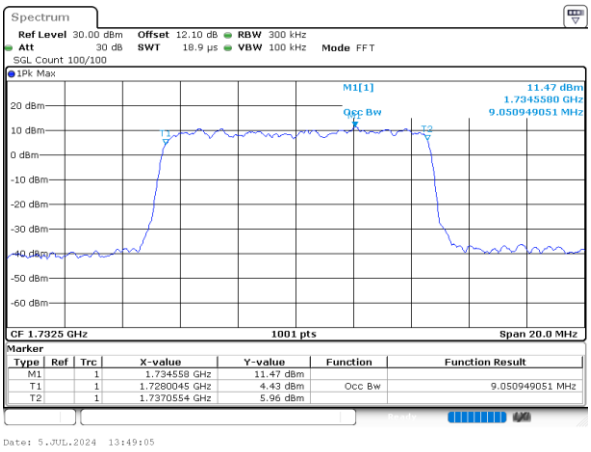
Middle Channel / 3MHz / 256QAM



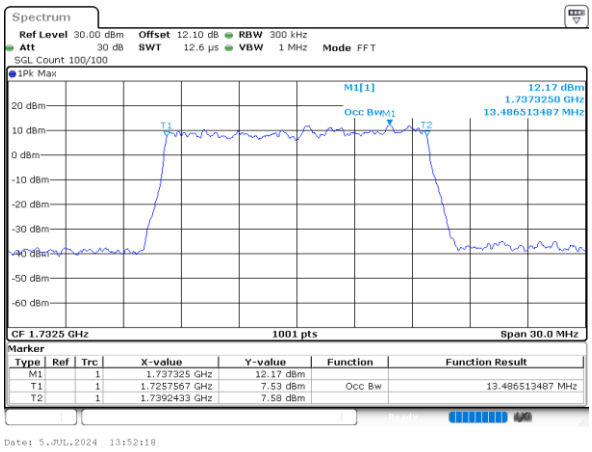
Middle Channel / 5MHz / 256QAM



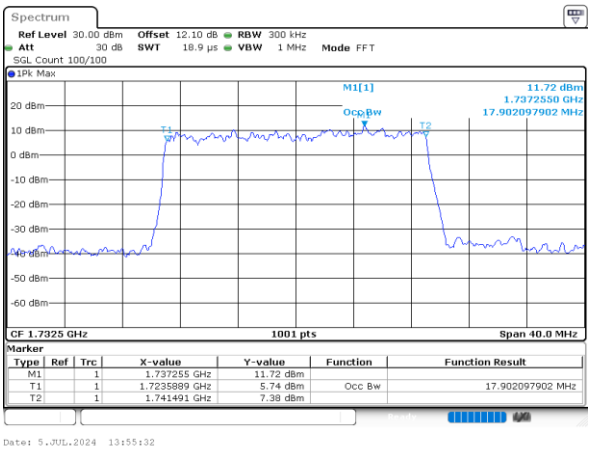
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



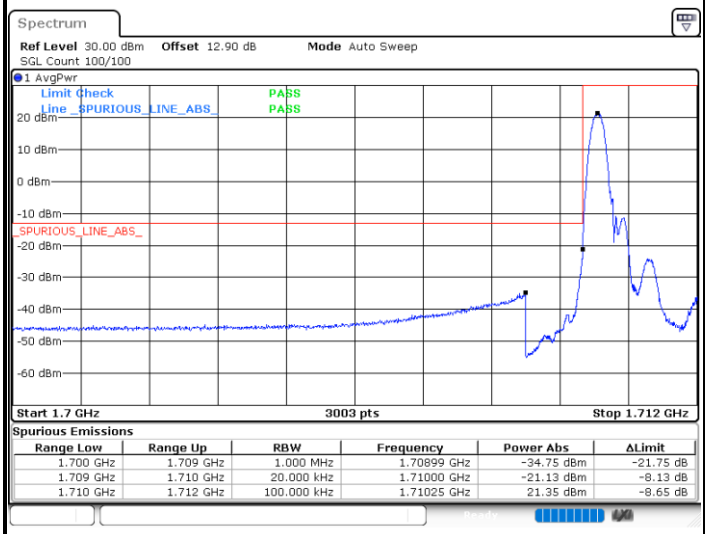
Middle Channel / 20MHz / 256QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

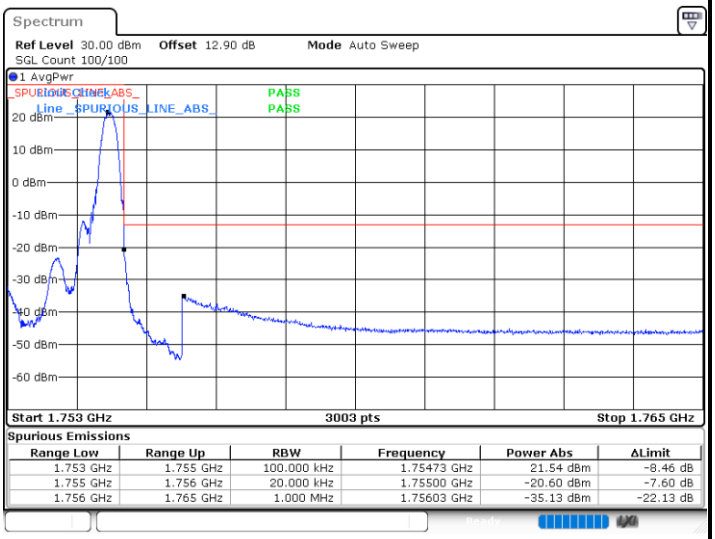


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-34.75 dBm	-21.75 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-21.13 dBm	-8.13 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	21.35 dBm	-8.65 dB

Date: 17.JUN.2024 14:47:06

Highest Band Edge / 1RB

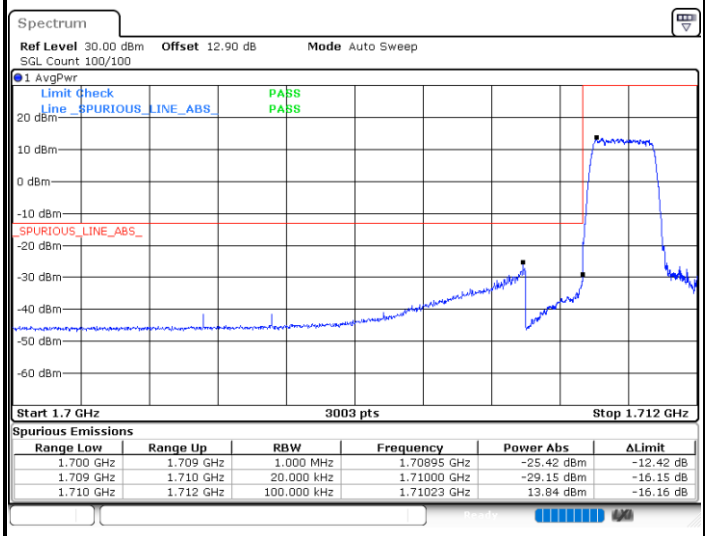


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	21.54 dBm	-8.46 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-20.60 dBm	-7.60 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-35.13 dBm	-22.13 dB

Date: 17.JUN.2024 14:54:05

Lowest Band Edge / Full RB

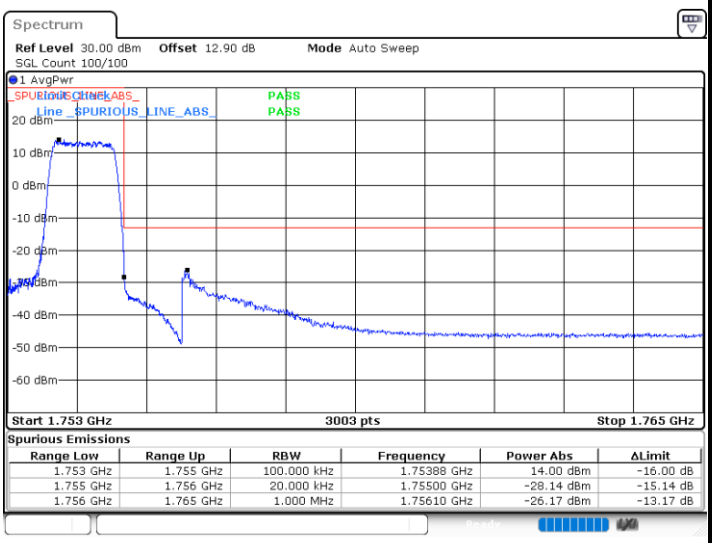


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-25.42 dBm	-12.42 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-29.15 dBm	-16.15 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71023 GHz	13.84 dBm	-16.16 dB

Date: 17.JUN.2024 14:48:54

Highest Band Edge / Full RB



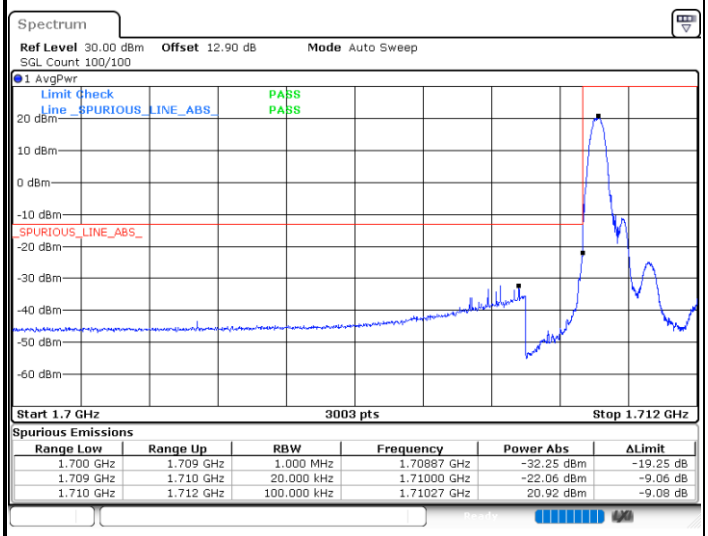
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75388 GHz	14.00 dBm	-16.00 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-28.14 dBm	-15.14 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75610 GHz	-26.17 dBm	-13.17 dB

Date: 17.JUN.2024 14:55:53

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

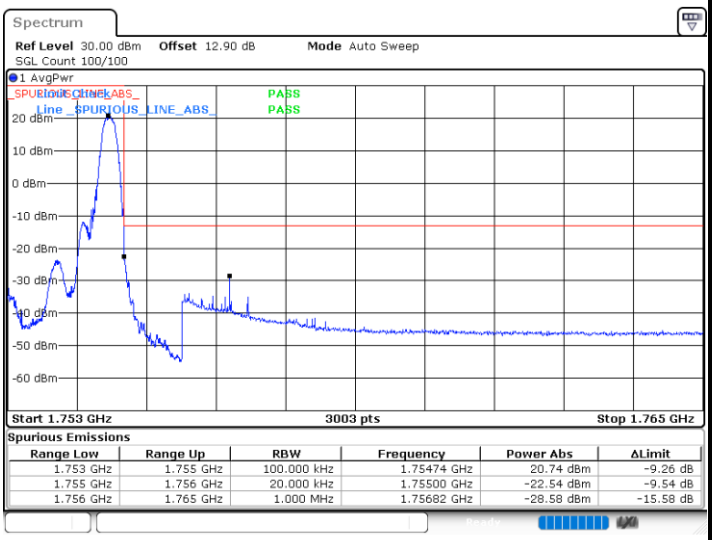


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-32.25 dBm	-19.25 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.06 dBm	-9.06 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	20.92 dBm	-9.08 dB

Date: 17.JUN.2024 14:47:59

Highest Band Edge / 1 RB

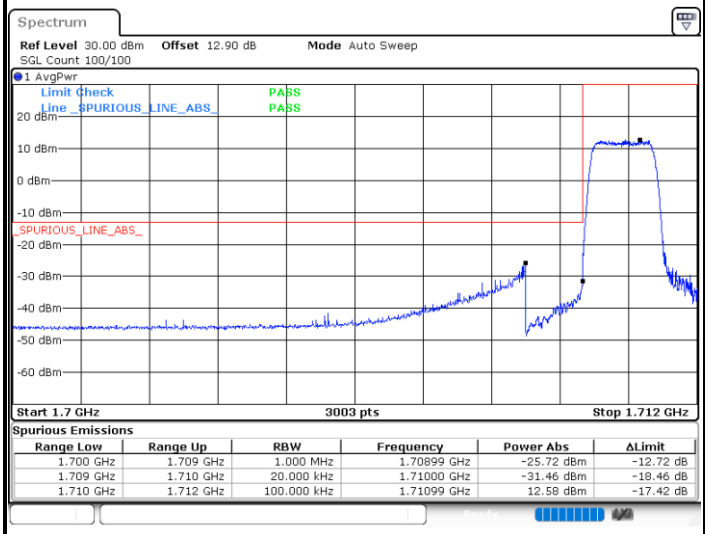


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	20.74 dBm	-9.26 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-22.54 dBm	-9.54 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75682 GHz	-28.58 dBm	-15.58 dB

Date: 17.JUN.2024 14:54:59

Lowest Band Edge / Full RB

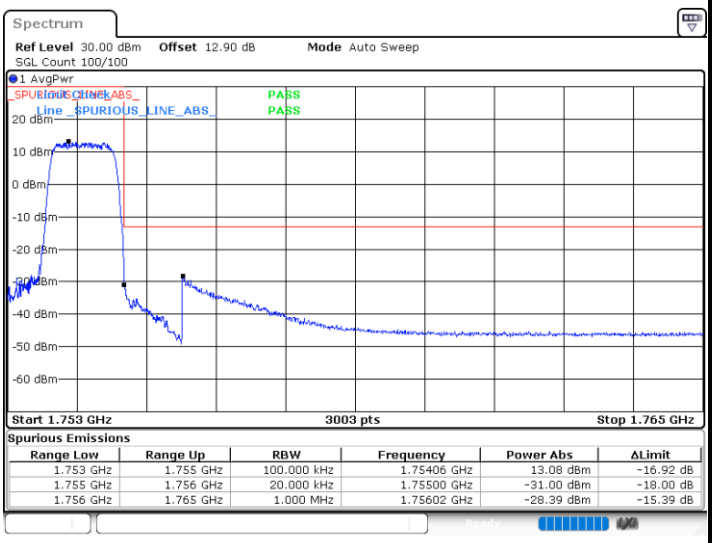


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-25.72 dBm	-12.72 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-31.46 dBm	-18.46 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71099 GHz	12.58 dBm	-17.42 dB

Date: 17.JUN.2024 14:49:47

Highest Band Edge / Full RB



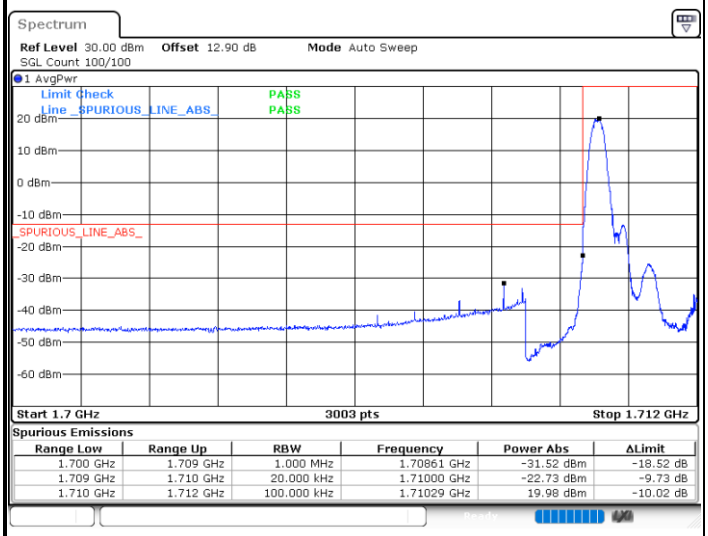
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75406 GHz	13.08 dBm	-16.92 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-31.00 dBm	-18.00 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-28.39 dBm	-15.39 dB

Date: 17.JUN.2024 14:56:47

LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

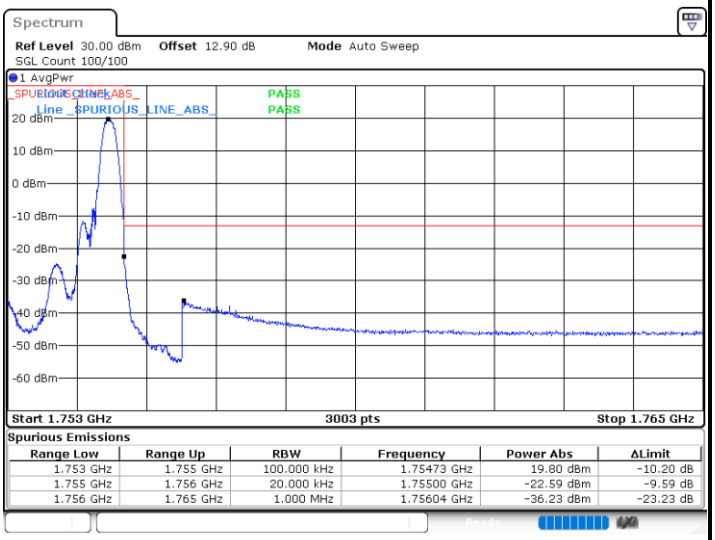


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70861 GHz	-31.52 dBm	-18.52 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.73 dBm	-9.73 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71029 GHz	19.98 dBm	-10.02 dB

Date: 17.JUN.2024 14:58:34

Highest Band Edge / 1 RB

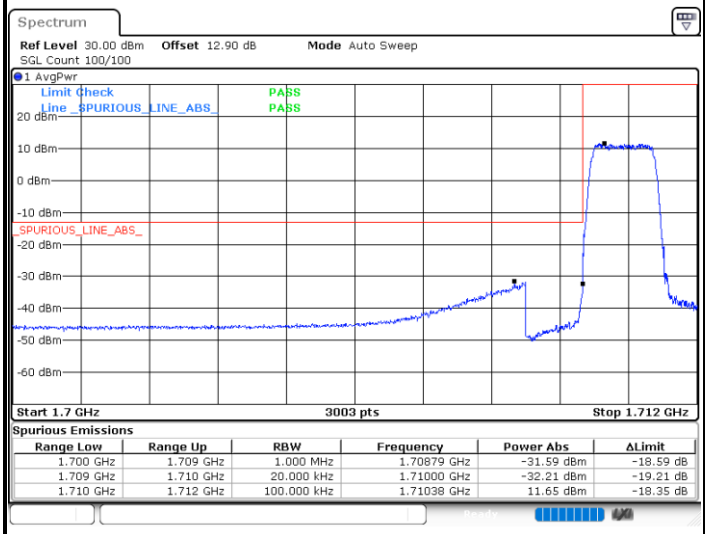


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	19.80 dBm	-10.20 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-22.59 dBm	-9.59 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-36.23 dBm	-23.23 dB

Date: 17.JUN.2024 15:00:59

Lowest Band Edge / Full RB

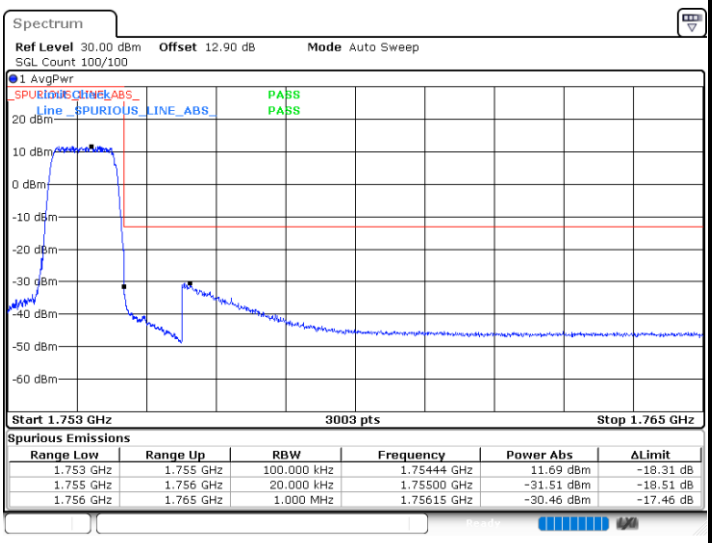


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70879 GHz	-31.59 dBm	-18.59 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-32.21 dBm	-19.21 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71038 GHz	11.65 dBm	-18.35 dB

Date: 17.JUN.2024 14:59:28

Highest Band Edge / Full RB



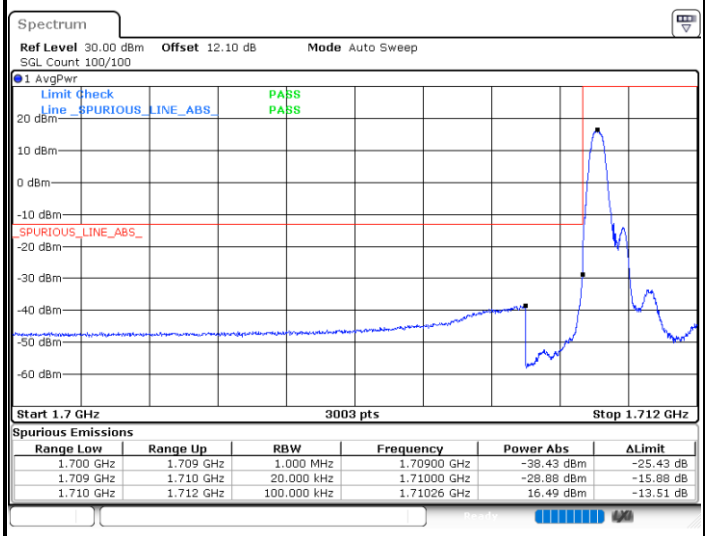
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75444 GHz	11.69 dBm	-18.31 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-31.51 dBm	-18.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-30.46 dBm	-17.46 dB

Date: 17.JUN.2024 15:01:53

LTE Band 4 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

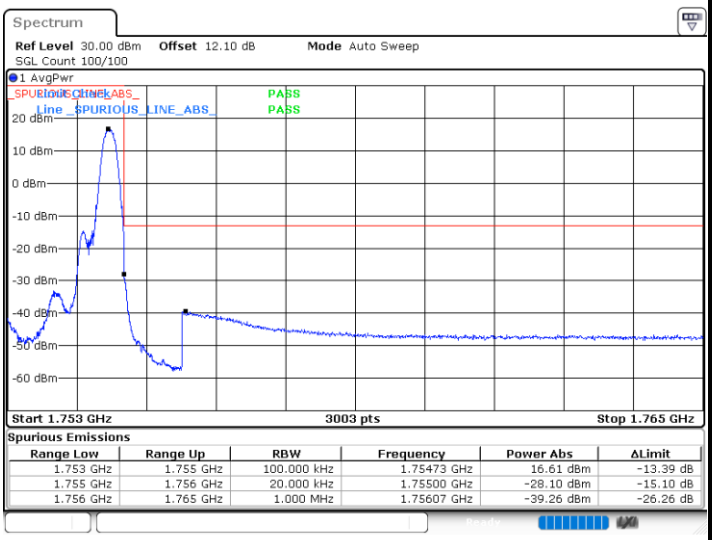


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-38.43 dBm	-25.43 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.88 dBm	-15.88 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	16.49 dBm	-13.51 dB

Date: 5.JUL.2024 13:37:03

Highest Band Edge / 1 RB

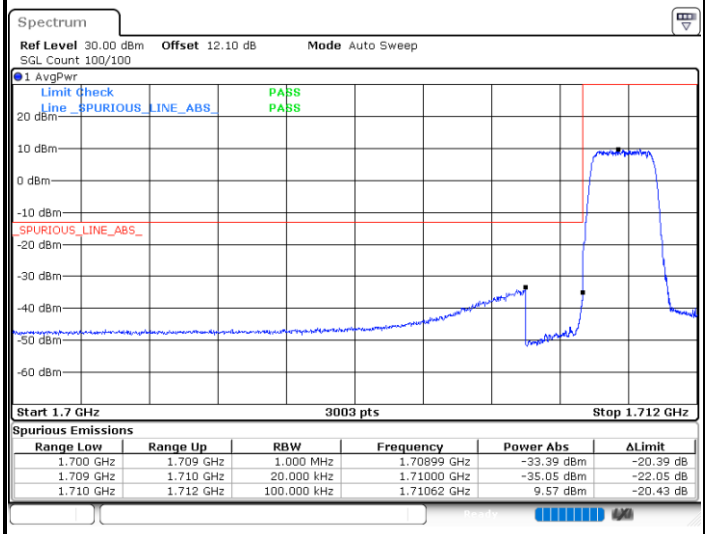


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	16.61 dBm	-13.39 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-28.10 dBm	-15.10 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-39.26 dBm	-26.26 dB

Date: 5.JUL.2024 13:39:32

Lowest Band Edge / Full RB

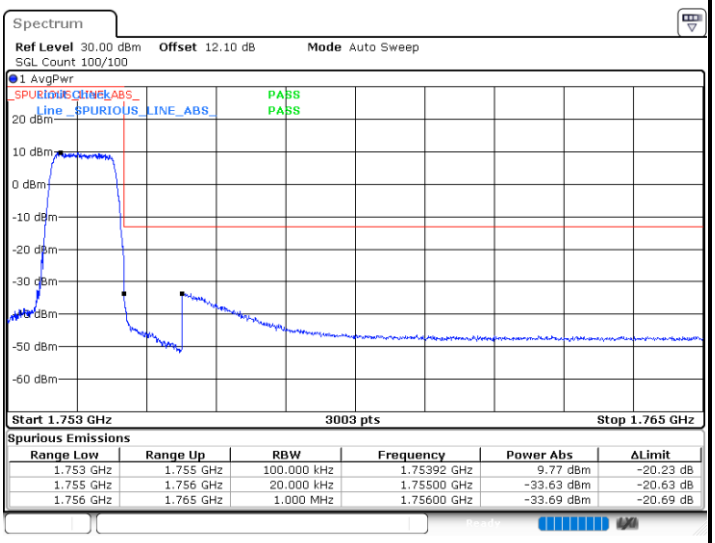


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-33.39 dBm	-20.39 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-35.05 dBm	-22.05 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71062 GHz	9.57 dBm	-20.43 dB

Date: 5.JUL.2024 13:38:01

Highest Band Edge / Full RB



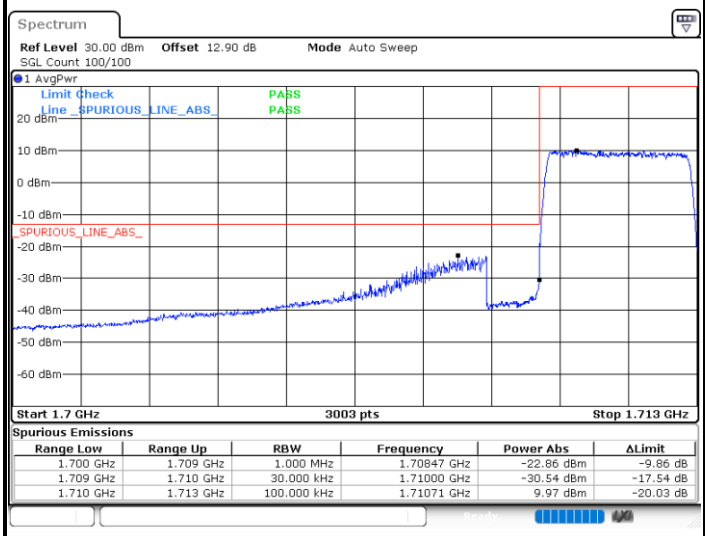
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75392 GHz	9.77 dBm	-20.23 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-33.63 dBm	-20.63 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-33.69 dBm	-20.69 dB

Date: 5.JUL.2024 13:40:30

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

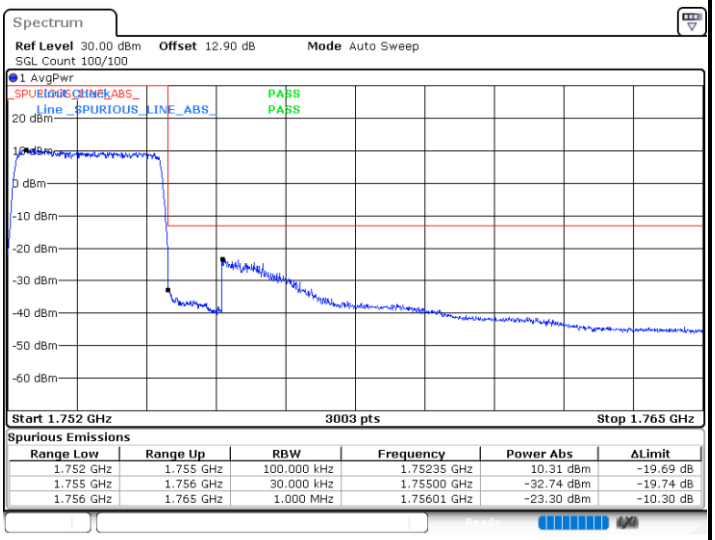


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70847 GHz	-22.86 dBm	-9.86 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-30.54 dBm	-17.54 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71071 GHz	9.97 dBm	-20.03 dB

Date: 17.JUN.2024 15:03:30

Highest Band Edge / Full RB



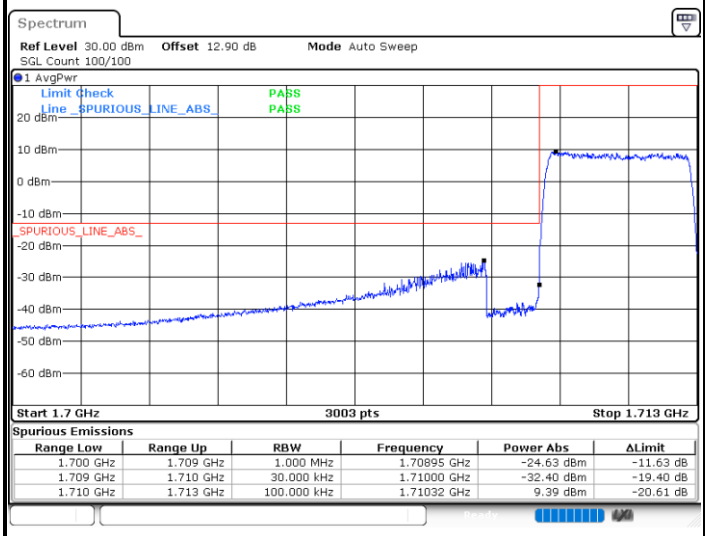
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75235 GHz	10.31 dBm	-19.69 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-32.74 dBm	-19.74 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-23.30 dBm	-10.30 dB

Date: 17.JUN.2024 15:09:34

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / Full RB

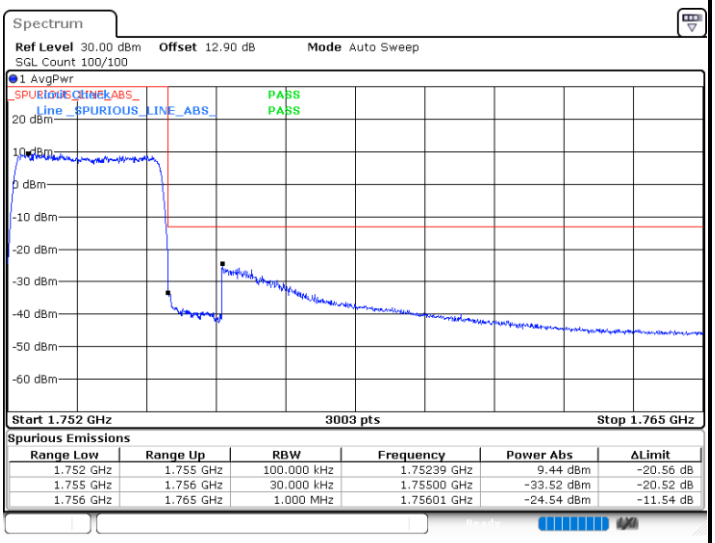


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-24.63 dBm	-11.63 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-32.40 dBm	-19.40 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71032 GHz	9.39 dBm	-20.61 dB

Date: 17.JUN.2024 15:04:23

Highest Band Edge / Full RB



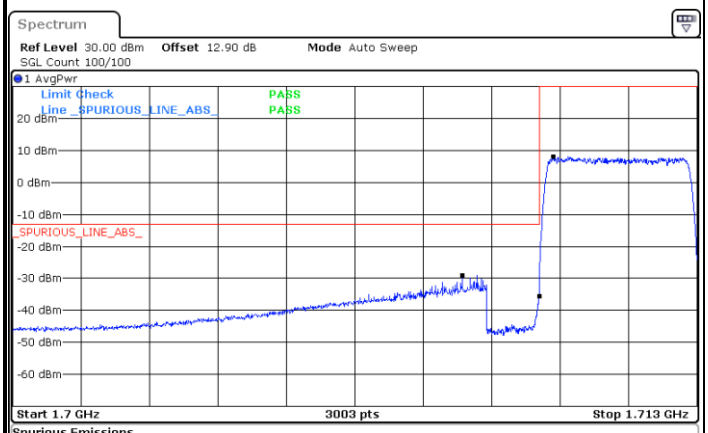
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75239 GHz	9.44 dBm	-20.56 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-33.52 dBm	-20.52 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-24.54 dBm	-11.54 dB

Date: 17.JUN.2024 15:10:28

LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / Full RB

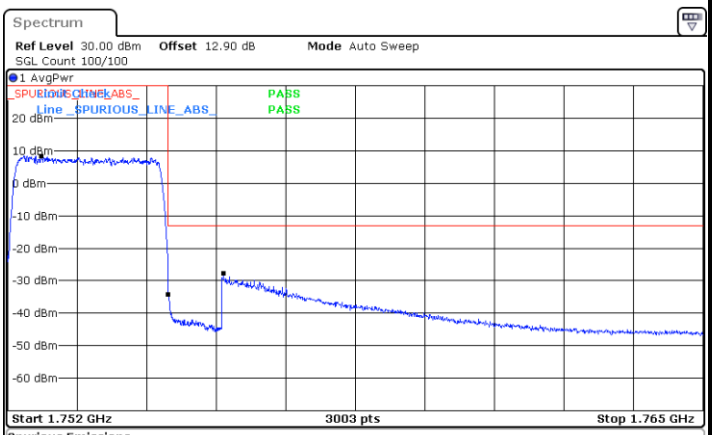


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70854 GHz	-29.03 dBm	-16.03 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-35.67 dBm	-22.67 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71026 GHz	7.96 dBm	-22.04 dB

Date: 17.JUN.2024 15:11:21

Highest Band Edge / Full RB



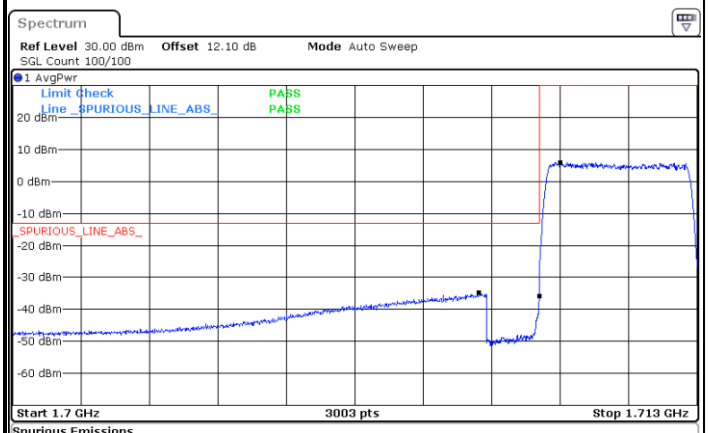
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75262 GHz	8.42 dBm	-21.58 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-34.36 dBm	-21.36 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-27.75 dBm	-14.75 dB

Date: 17.JUN.2024 15:12:52

LTE Band 4 / 3MHz / 256QAM

Lowest Band Edge / Full RB

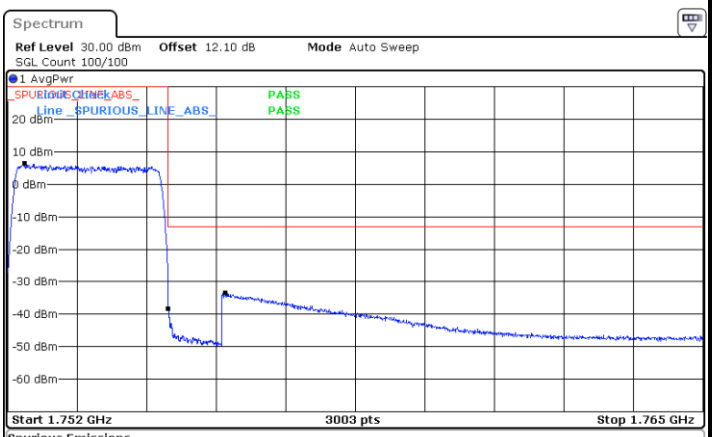


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70885 GHz	-34.82 dBm	-21.82 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-35.92 dBm	-22.92 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71040 GHz	5.97 dBm	-24.03 dB

Date: 5.JUL.2024 13:42:12

Highest Band Edge / Full RB



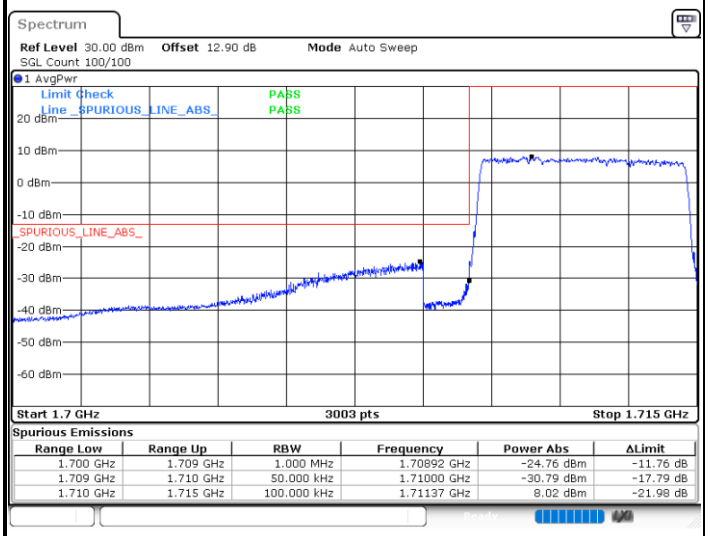
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75231 GHz	6.31 dBm	-23.69 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-38.32 dBm	-25.32 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-33.36 dBm	-20.36 dB

Date: 5.JUL.2024 13:43:44

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / Full RB

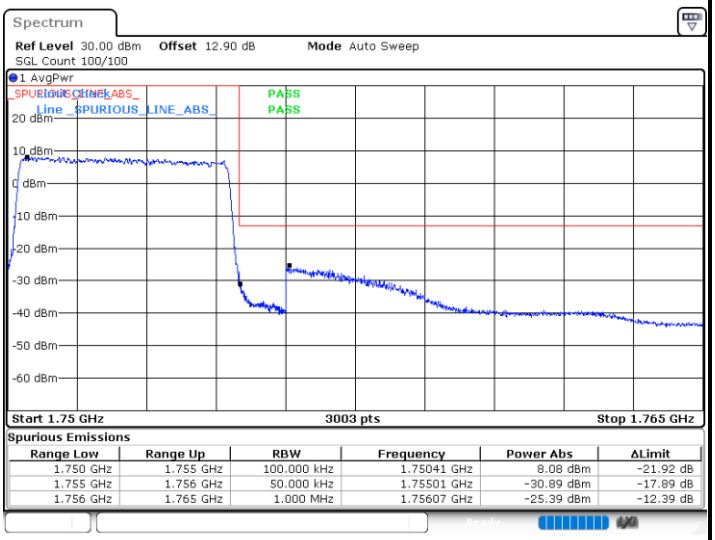


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-24.76 dBm	-11.76 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-30.79 dBm	-17.79 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71137 GHz	8.02 dBm	-21.98 dB

Date: 17.JUN.2024 15:19:33

Highest Band Edge / Full RB



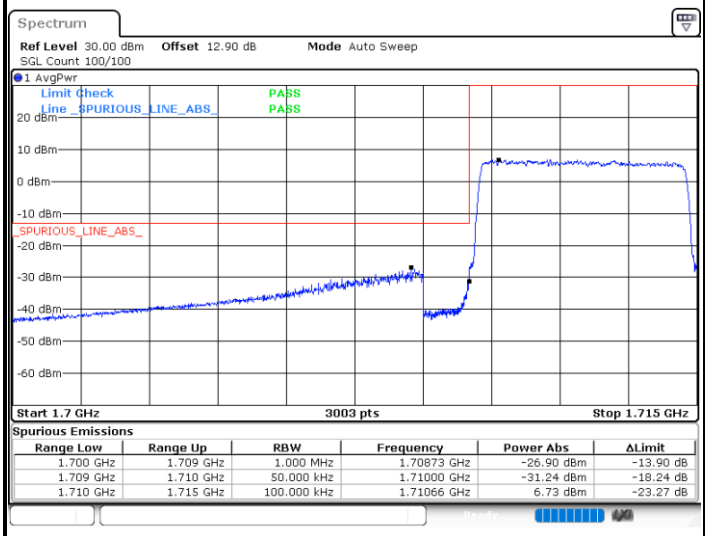
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75041 GHz	8.08 dBm	-21.92 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-30.89 dBm	-17.89 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-25.39 dBm	-12.39 dB

Date: 17.JUN.2024 15:22:58

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / Full RB

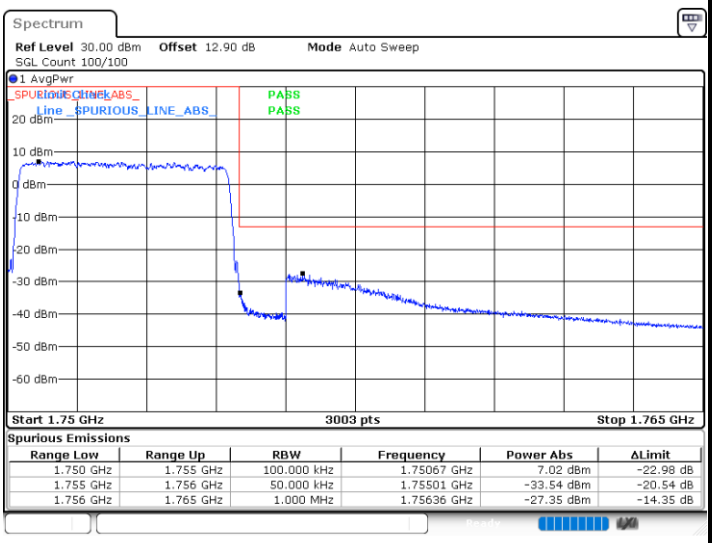


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70873 GHz	-26.90 dBm	-13.90 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-31.24 dBm	-18.24 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71066 GHz	6.73 dBm	-23.27 dB

Date: 17.JUN.2024 15:20:27

Highest Band Edge / Full RB



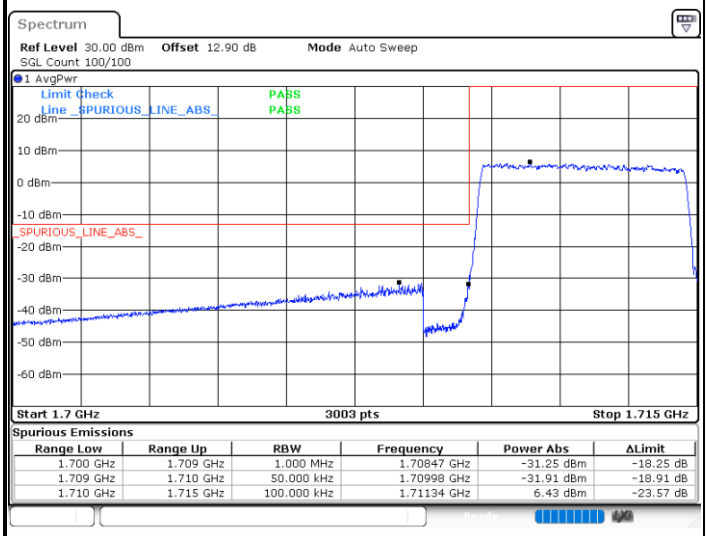
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75067 GHz	7.02 dBm	-22.98 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-33.54 dBm	-20.54 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75636 GHz	-27.35 dBm	-14.35 dB

Date: 17.JUN.2024 15:23:52

LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / Full RB

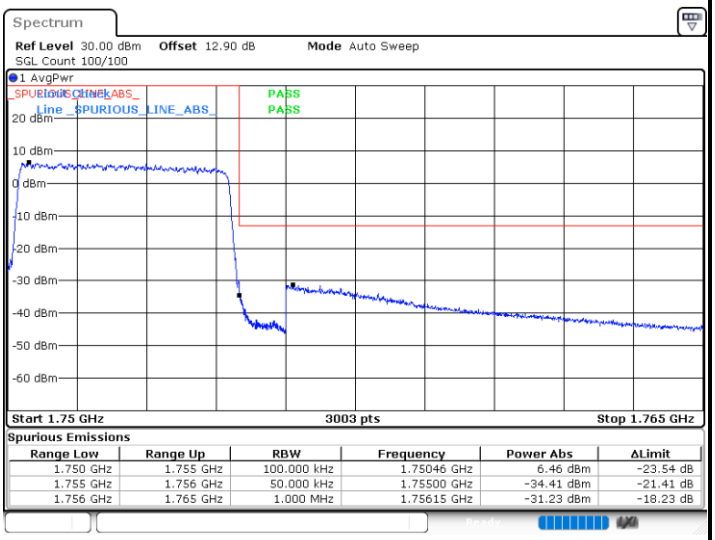


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70847 GHz	-31.25 dBm	-18.25 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70998 GHz	-31.91 dBm	-18.91 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71134 GHz	6.43 dBm	-23.57 dB

Date: 17.JUN.2024 15:14:29

Highest Band Edge / Full RB



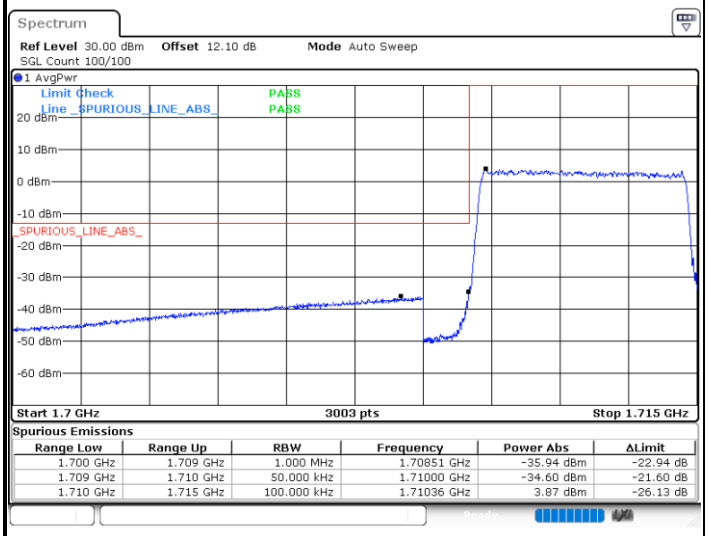
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75046 GHz	6.46 dBm	-23.54 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-34.41 dBm	-21.41 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-31.23 dBm	-18.23 dB

Date: 17.JUN.2024 15:18:39

LTE Band 4 / 5MHz / 256QAM

Lowest Band Edge / Full RB

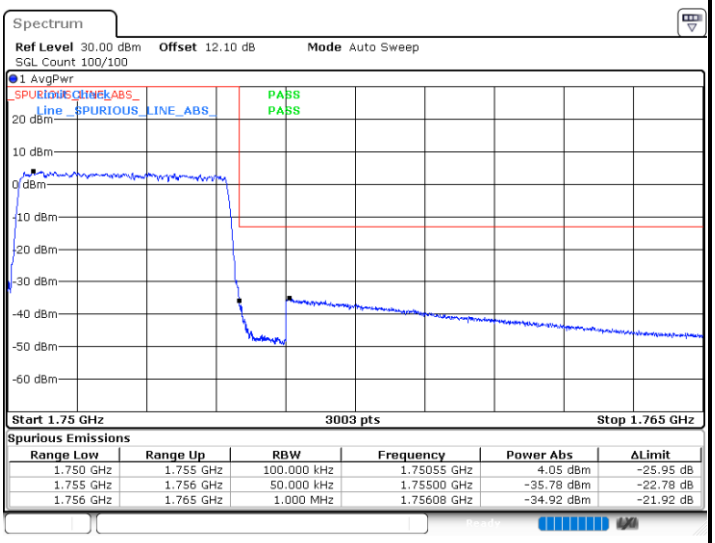


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70851 GHz	-35.94 dBm	-22.94 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-34.60 dBm	-21.60 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71036 GHz	3.87 dBm	-26.13 dB

Date: 5.JUL.2024 13:45:26

Highest Band Edge / Full RB



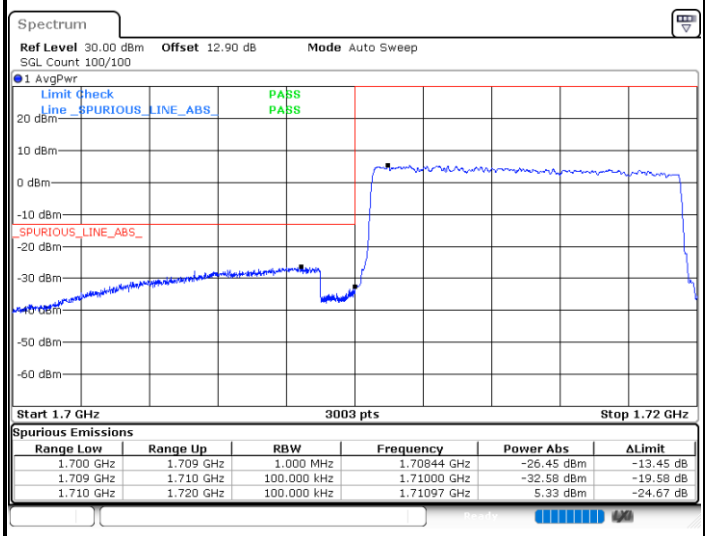
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75055 GHz	4.05 dBm	-25.95 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-35.78 dBm	-22.78 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75608 GHz	-34.92 dBm	-21.92 dB

Date: 5.JUL.2024 13:46:57

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / Full RB

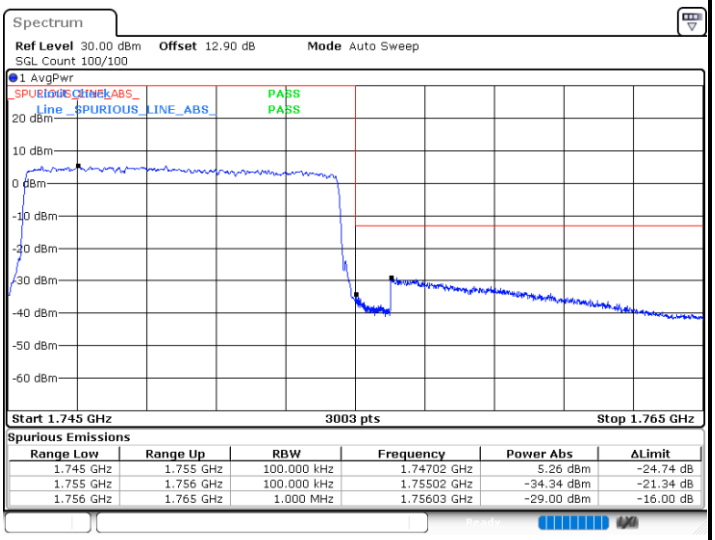


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70844 GHz	-26.45 dBm	-13.45 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-32.58 dBm	-19.58 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71097 GHz	5.33 dBm	-24.67 dB

Date: 17.JUN.2024 15:25:29

Highest Band Edge / Full RB



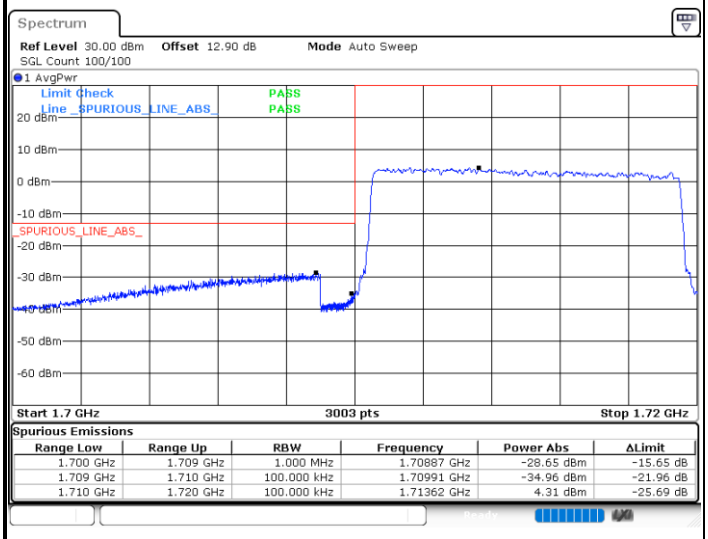
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74702 GHz	5.26 dBm	-24.74 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75502 GHz	-34.34 dBm	-21.34 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-29.00 dBm	-16.00 dB

Date: 17.JUN.2024 15:28:53

LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / Full RB

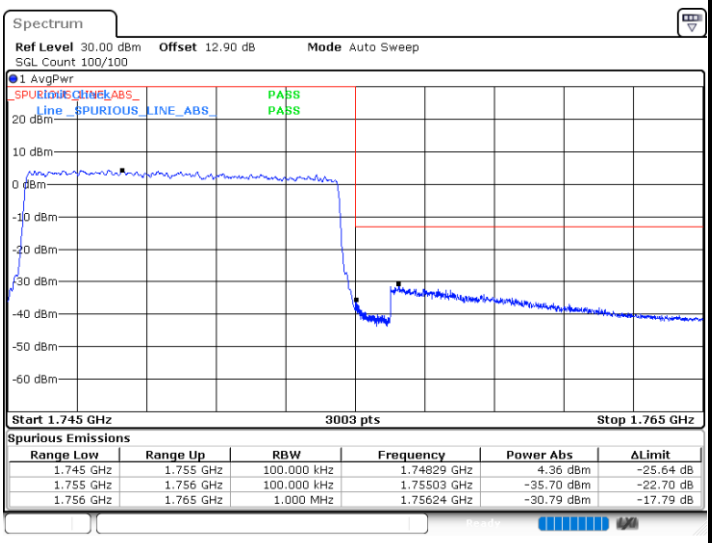


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-28.65 dBm	-15.65 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70991 GHz	-34.96 dBm	-21.96 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71362 GHz	4.31 dBm	-25.69 dB

Date: 17.JUN.2024 15:26:22

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74829 GHz	4.36 dBm	-25.64 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75503 GHz	-35.70 dBm	-22.70 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75624 GHz	-30.79 dBm	-17.79 dB

Date: 17.JUN.2024 15:29:47