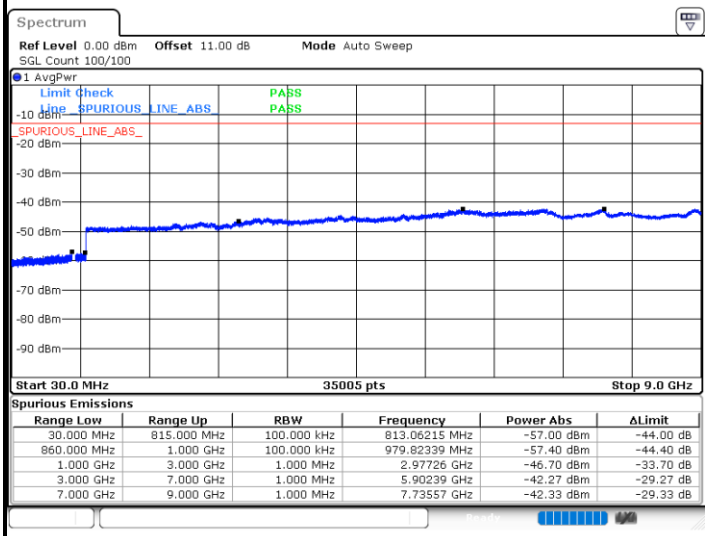
LTE Band 26 / 5MHz

Lowest Channel / QPSK

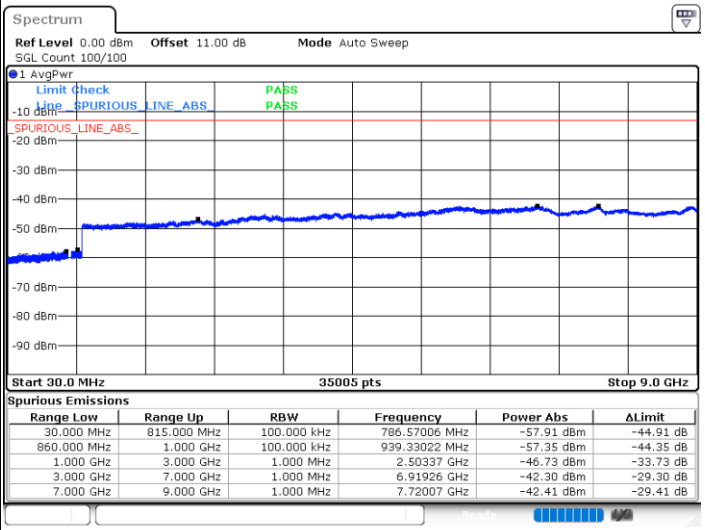


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.06215 MHz	-57.00 dBm	-44.00 dB
860.000 MHz	1.000 GHz	100.000 kHz	979.82339 MHz	-57.40 dBm	-44.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97726 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.90239 GHz	-42.27 dBm	-29.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.73557 GHz	-42.33 dBm	-29.33 dB

Date: 17.JUN.2023 00:45:21

Middle Channel / QPSK

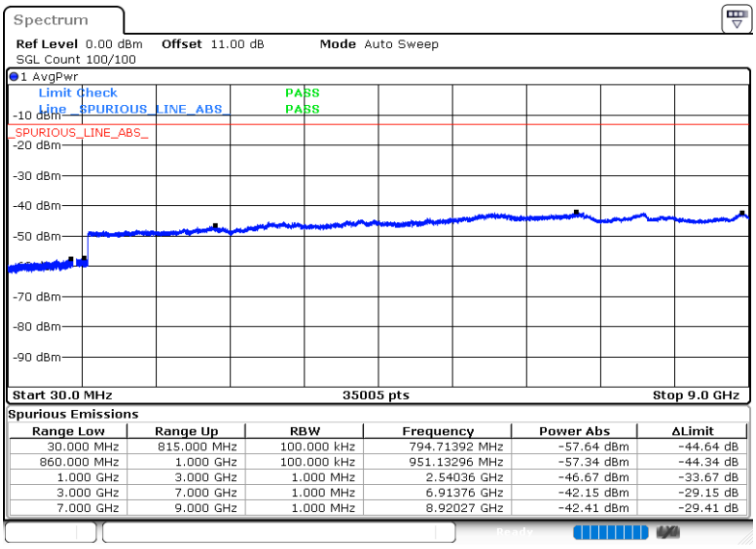


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	786.57006 MHz	-57.91 dBm	-44.91 dB
860.000 MHz	1.000 GHz	100.000 kHz	939.33022 MHz	-57.35 dBm	-44.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50337 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91926 GHz	-42.30 dBm	-29.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.72007 GHz	-42.41 dBm	-29.41 dB

Date: 17.JUN.2023 01:19:01

Highest Channel / QPSK



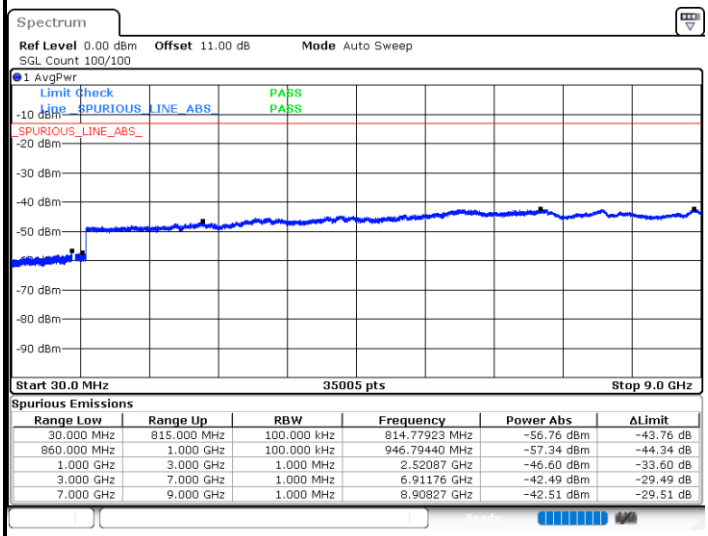
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.71392 MHz	-57.64 dBm	-44.64 dB
860.000 MHz	1.000 GHz	100.000 kHz	951.13296 MHz	-57.34 dBm	-44.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.54036 GHz	-46.67 dBm	-33.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91376 GHz	-42.15 dBm	-29.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92027 GHz	-42.41 dBm	-29.41 dB

Date: 17.JUN.2023 01:21:02

LTE Band 26 / 10MHz

Lowest Channel / QPSK

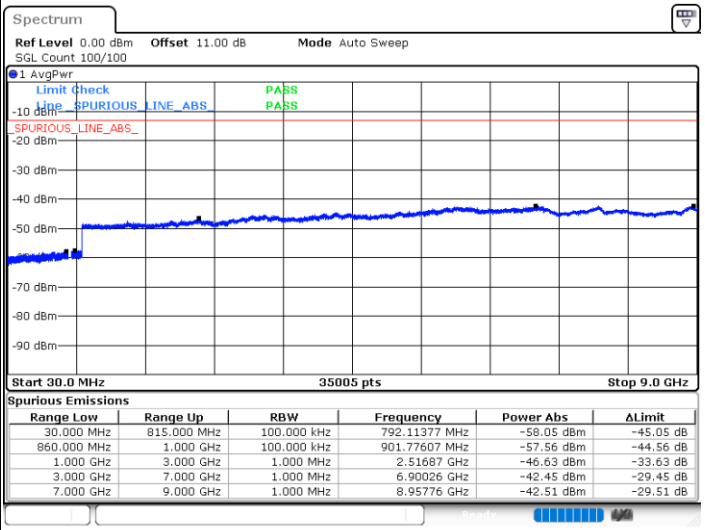


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.77923 MHz	-56.76 dBm	-43.76 dB
860.000 MHz	1.000 GHz	100.000 kHz	946.79440 MHz	-57.34 dBm	-44.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52087 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91176 GHz	-42.49 dBm	-29.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90827 GHz	-42.51 dBm	-29.51 dB

Date: 17.JUN.2023 09:50:51

Middle Channel / QPSK

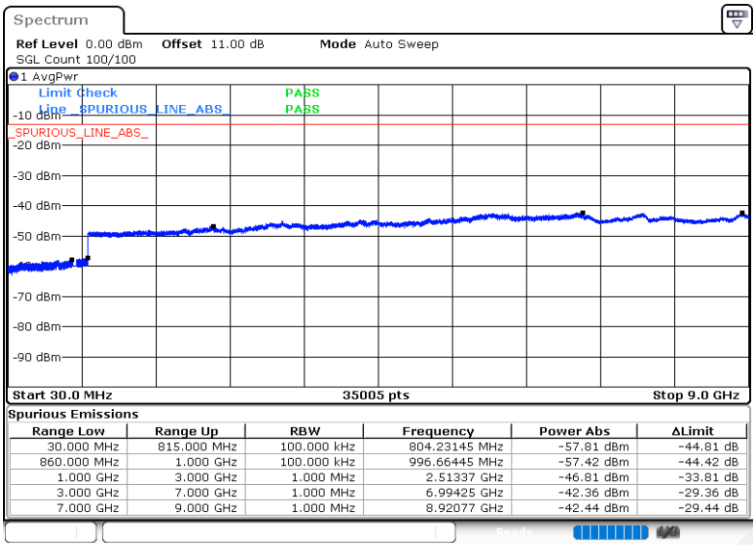


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	792.11377 MHz	-58.05 dBm	-45.05 dB
860.000 MHz	1.000 GHz	100.000 kHz	901.77607 MHz	-57.56 dBm	-44.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51687 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90026 GHz	-42.45 dBm	-29.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95776 GHz	-42.51 dBm	-29.51 dB

Date: 17.JUN.2023 09:52:22

Highest Channel / QPSK



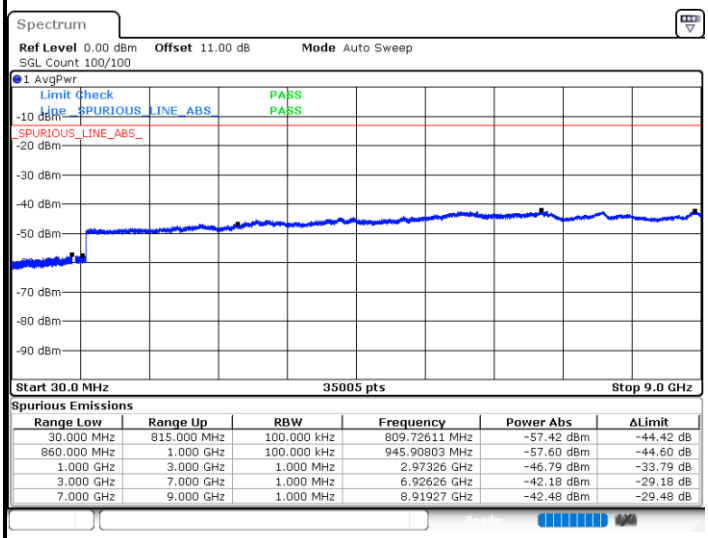
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	804.23145 MHz	-57.81 dBm	-44.81 dB
860.000 MHz	1.000 GHz	100.000 kHz	996.66445 MHz	-57.42 dBm	-44.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51337 GHz	-46.81 dBm	-33.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-42.36 dBm	-29.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92077 GHz	-42.44 dBm	-29.44 dB

Date: 17.JUN.2023 10:06:35

LTE Band 26 / 15MHz

Lowest Channel / QPSK

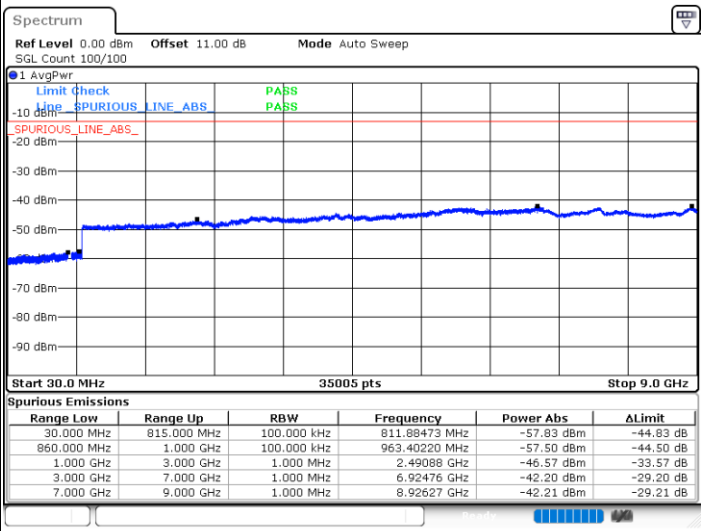


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.72611 MHz	-57.42 dBm	-44.42 dB
860.000 MHz	1.000 GHz	100.000 kHz	945.90803 MHz	-57.60 dBm	-44.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97326 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92626 GHz	-42.18 dBm	-29.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91927 GHz	-42.48 dBm	-29.48 dB

Date: 17.JUN.2023 10:13:47

Middle Channel / QPSK

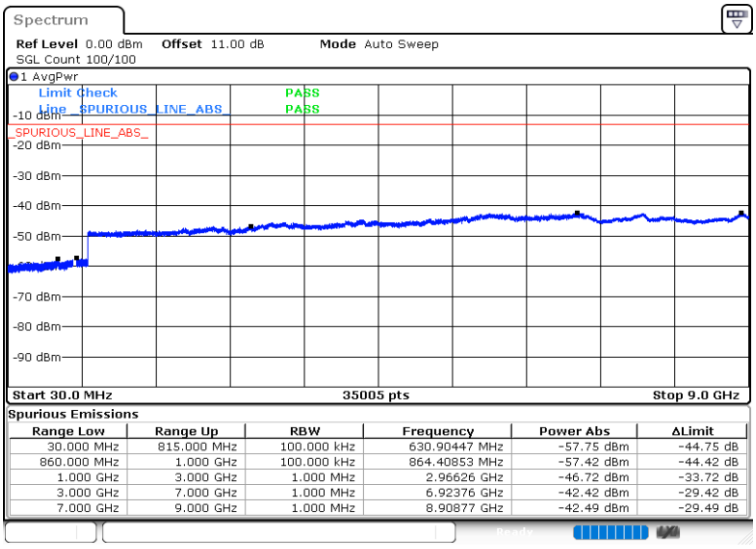


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.88473 MHz	-57.83 dBm	-44.83 dB
860.000 MHz	1.000 GHz	100.000 kHz	963.40220 MHz	-57.50 dBm	-44.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49088 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92476 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92627 GHz	-42.21 dBm	-29.21 dB

Date: 17.JUN.2023 10:15:31

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	630.90447 MHz	-57.75 dBm	-44.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	864.40853 MHz	-57.42 dBm	-44.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96626 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92376 GHz	-42.42 dBm	-29.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90877 GHz	-42.49 dBm	-29.49 dB

Date: 17.JUN.2023 10:32:38

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0097	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

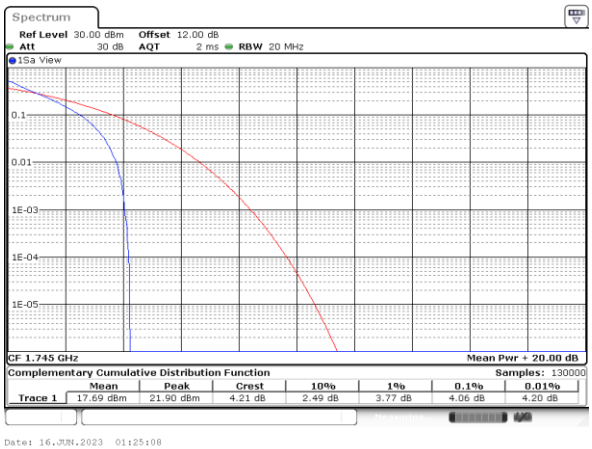
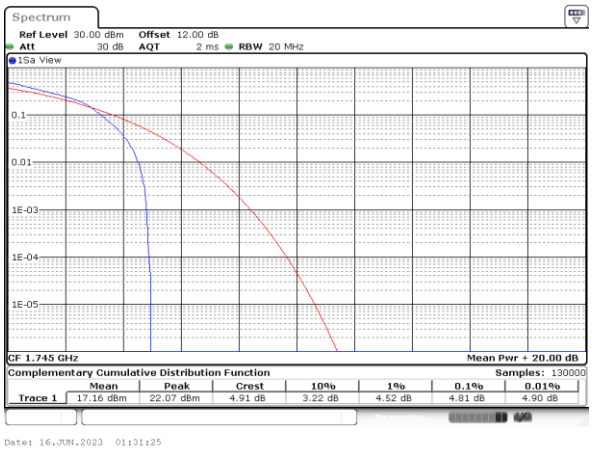
Note:

1. Normal Voltage = 3.7 V.；Battery End Point (BEP) = 3.4 V.；Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.06	4.81	PASS

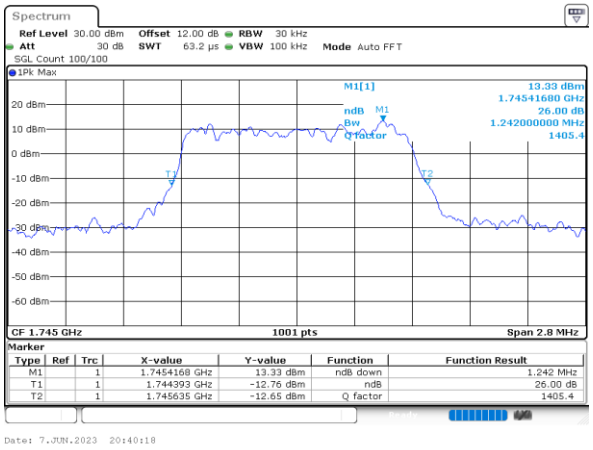
LTE Band 66 / 20MHz / QPSK	LTE Band 66 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

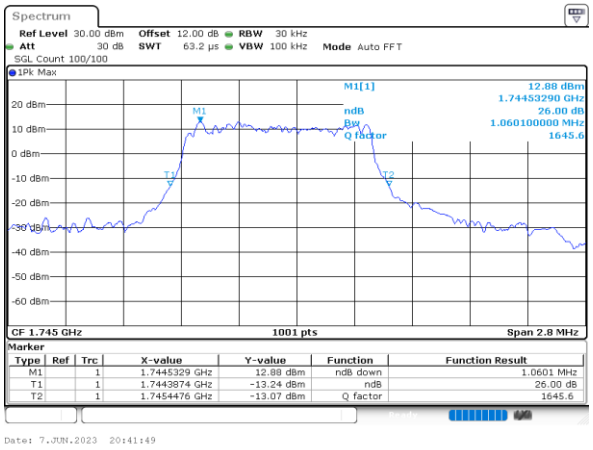
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.24	1.06	1.34	1.16	1.37	1.21	1.78	1.98	1.80	1.59	1.84	1.60
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-

LTE Band 66

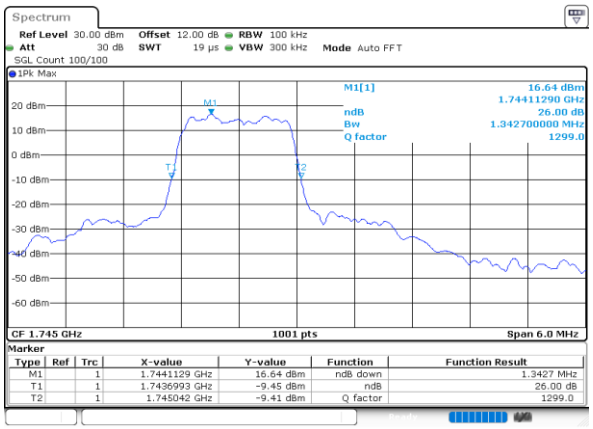
Middle Channel / 1.4MHz / QPSK



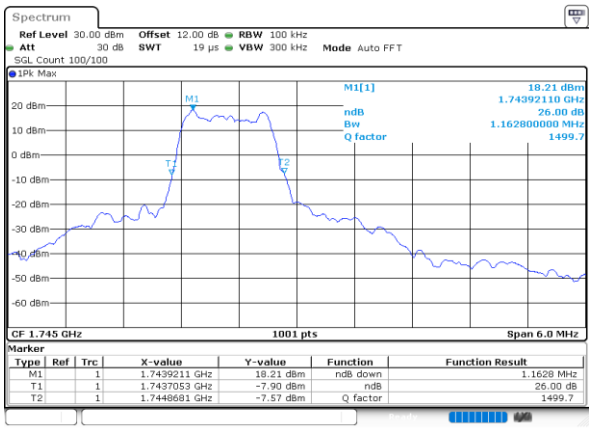
Middle Channel / 1.4MHz / 16QAM



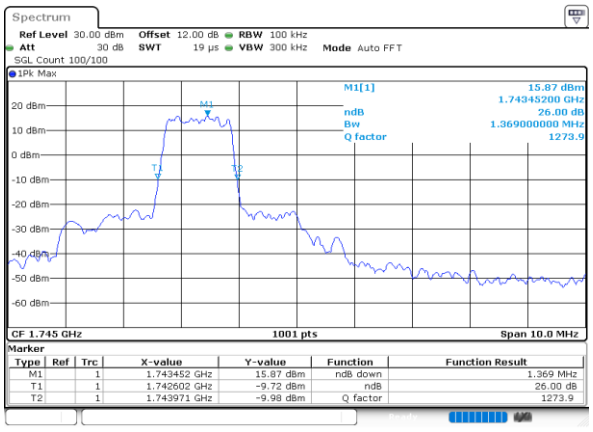
Middle Channel / 3MHz / QPSK



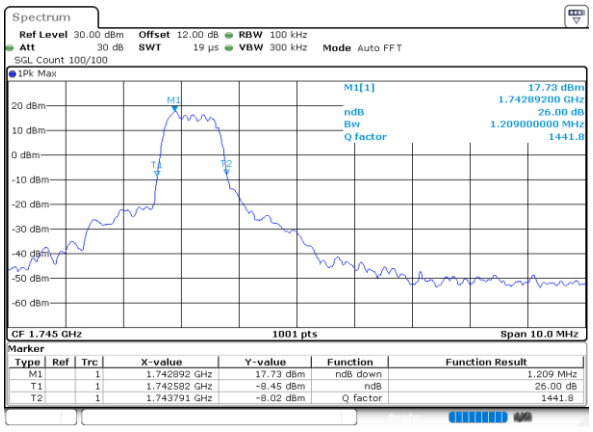
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

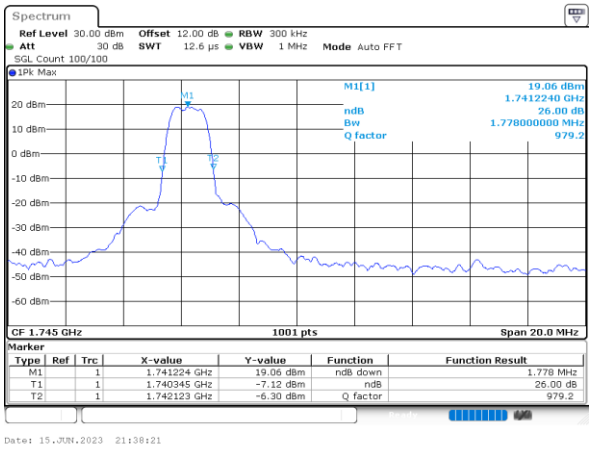


Middle Channel / 5MHz / 16QAM

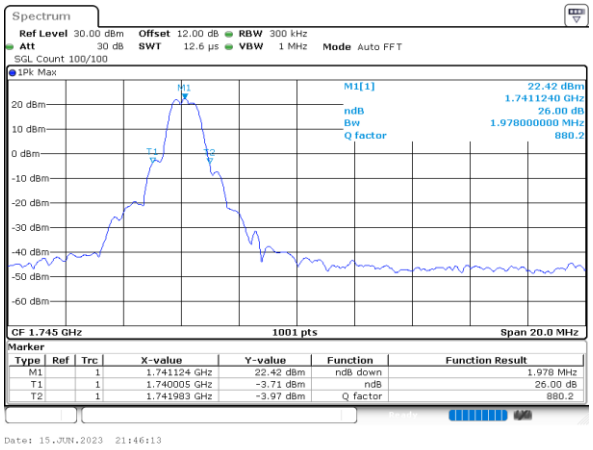


LTE Band 66

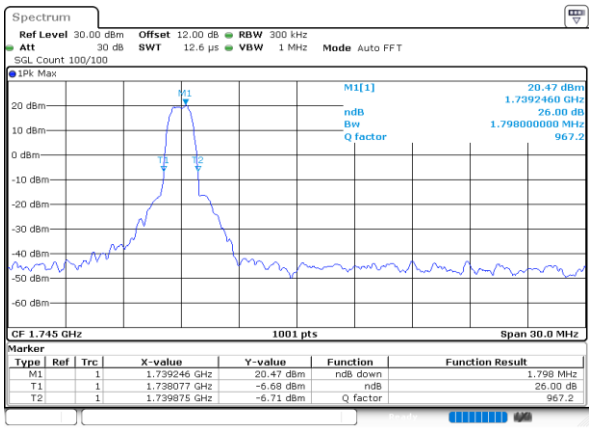
Middle Channel / 10MHz / QPSK



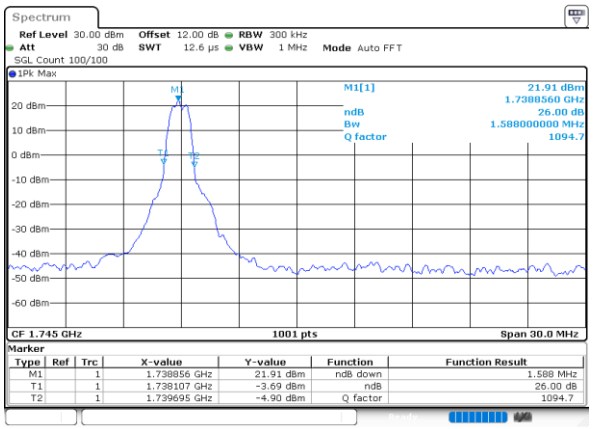
Middle Channel / 10MHz / 16QAM



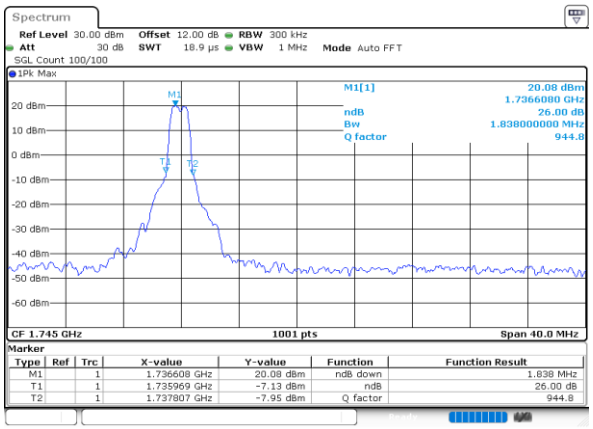
Middle Channel / 15MHz / QPSK



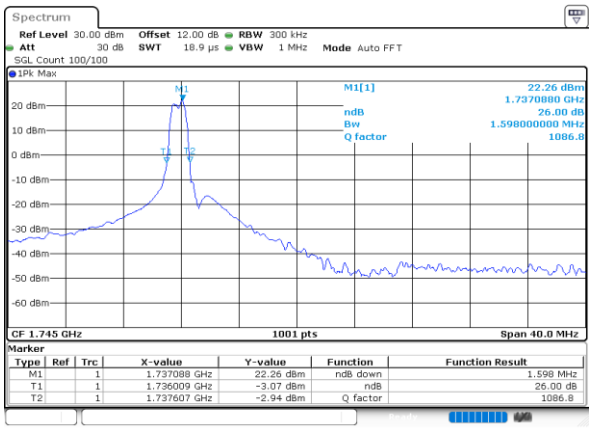
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

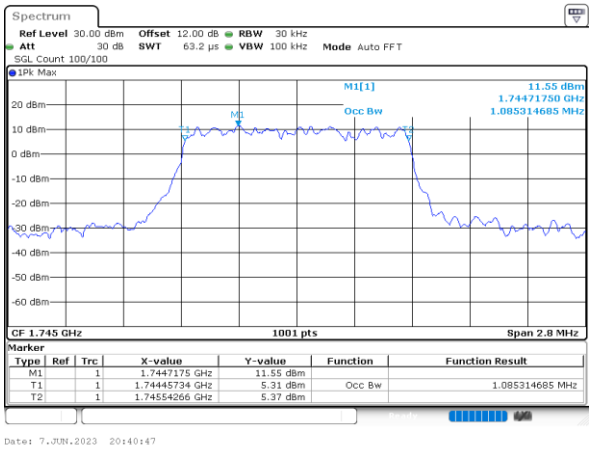


Occupied Bandwidth

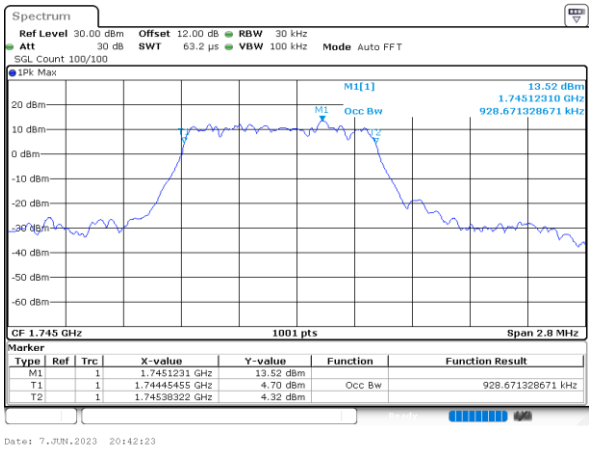
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	0.93	1.17	0.99	1.16	0.98	1.42	1.28	1.41	1.26	1.44	1.28
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-

LTE Band 66

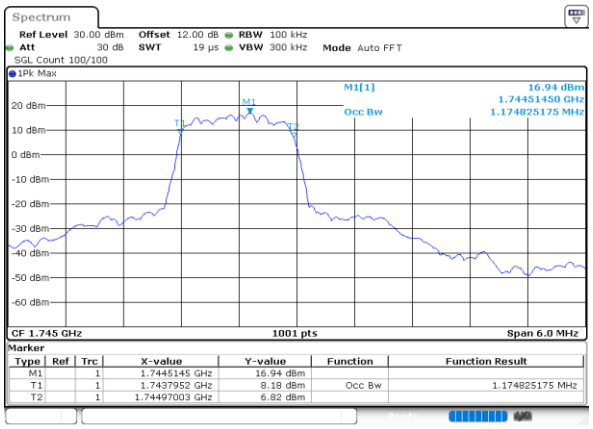
Middle Channel / 1.4MHz / QPSK



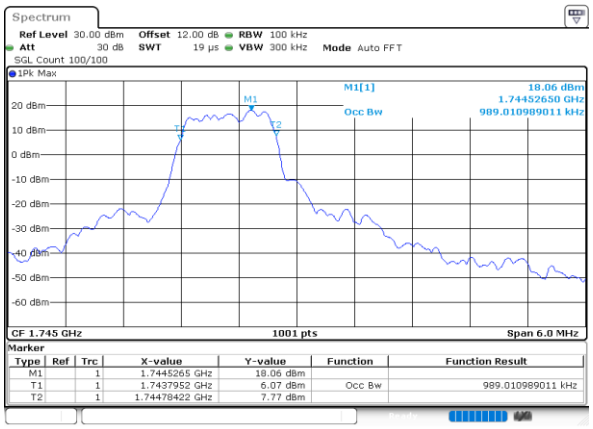
Middle Channel / 1.4MHz / 16QAM



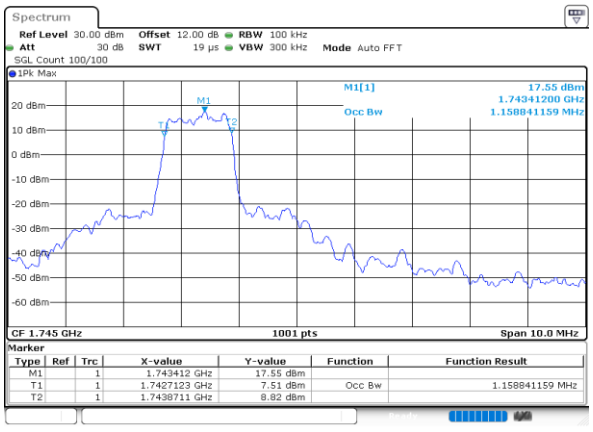
Middle Channel / 3MHz / QPSK



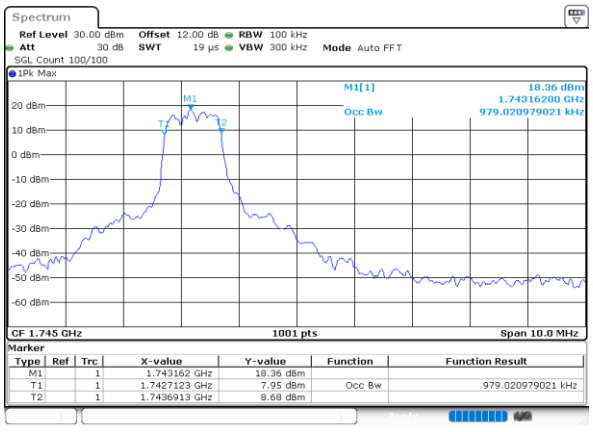
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

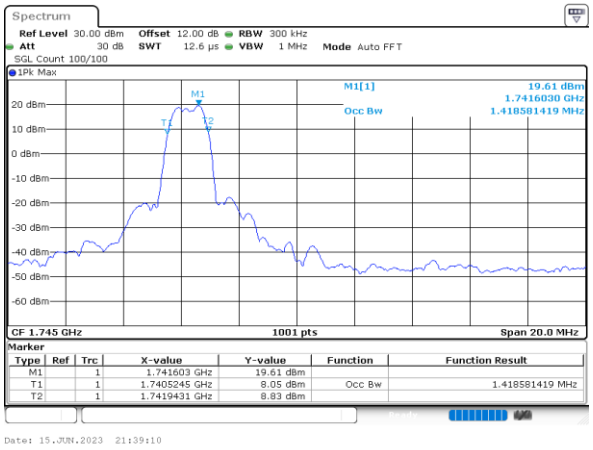


Middle Channel / 5MHz / 16QAM

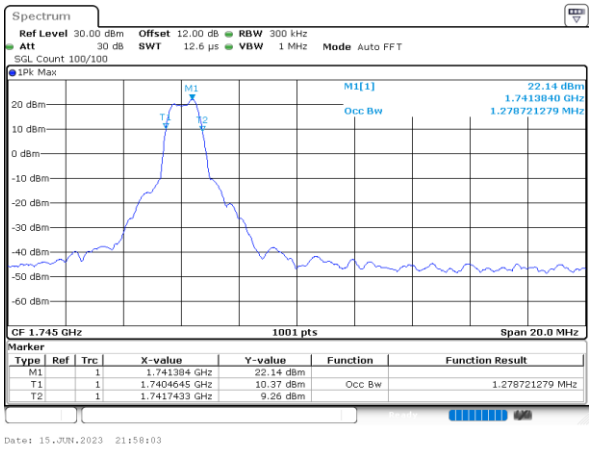


LTE Band 66

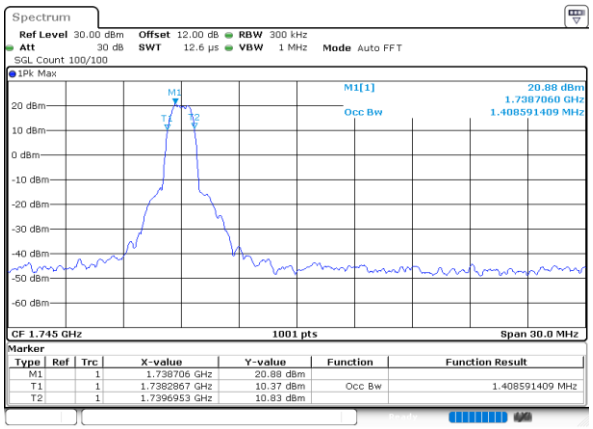
Middle Channel / 10MHz / QPSK



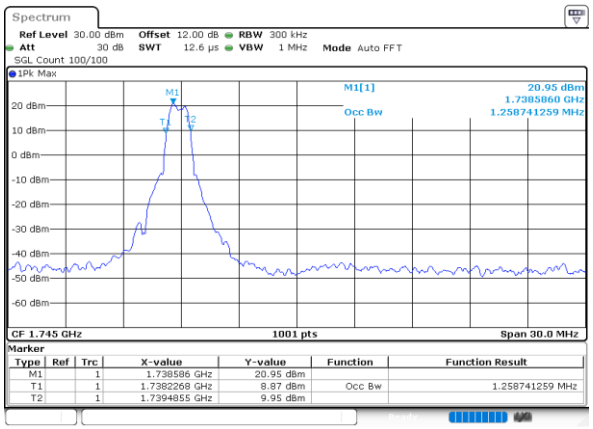
Middle Channel / 10MHz / 16QAM



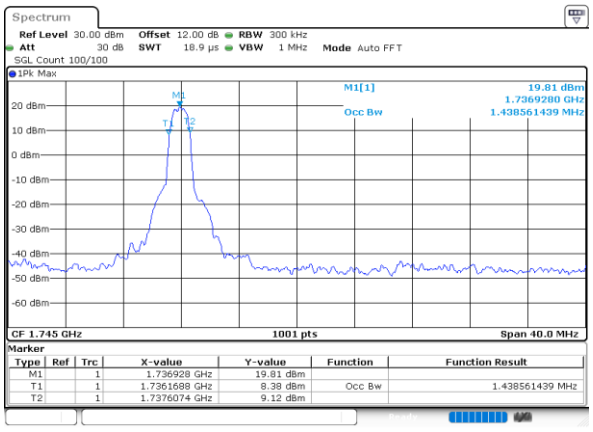
Middle Channel / 15MHz / QPSK



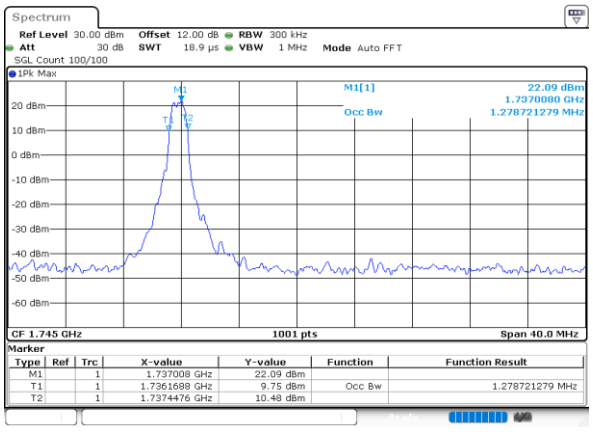
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



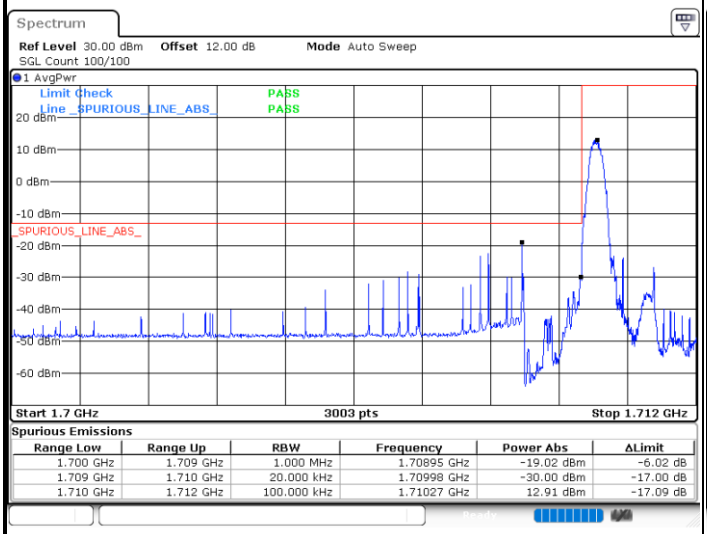
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

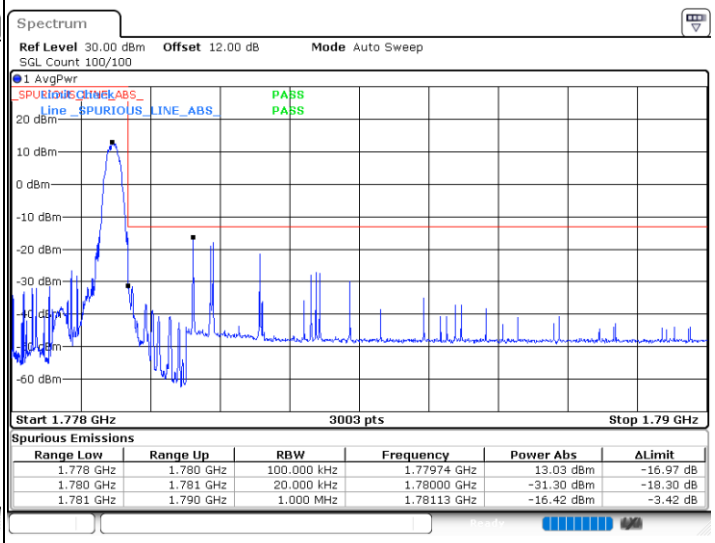


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-19.02 dBm	-6.02 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70998 GHz	-30.00 dBm	-17.00 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	12.91 dBm	-17.09 dB

Date: 7.JUN.2023 20:35:23

Highest Band Edge / 1RB

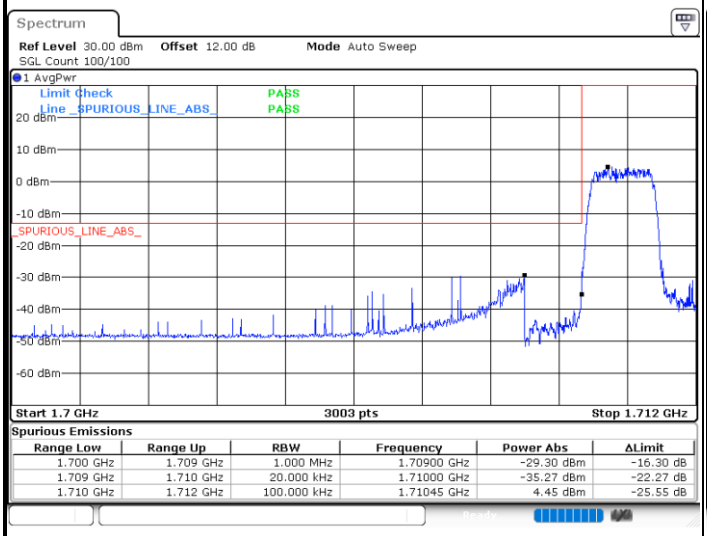


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77974 GHz	13.03 dBm	-16.97 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-31.30 dBm	-18.30 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78113 GHz	-16.42 dBm	-3.42 dB

Date: 7.JUN.2023 20:47:05

Lowest Band Edge / Full RB

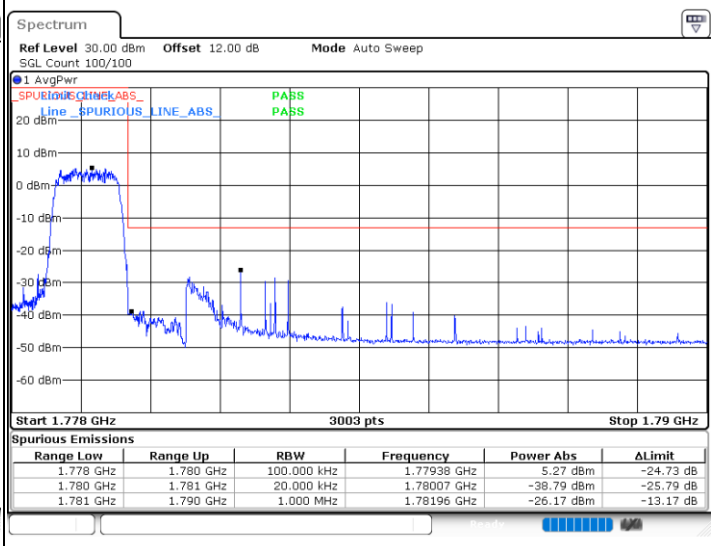


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-29.30 dBm	-16.30 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-35.27 dBm	-22.27 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71045 GHz	4.45 dBm	-25.55 dB

Date: 7.JUN.2023 20:19:19

Highest Band Edge / Full RB



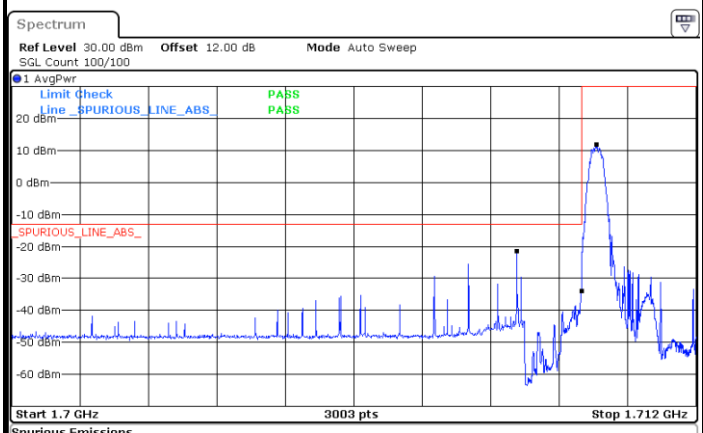
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77938 GHz	5.27 dBm	-24.73 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78007 GHz	-38.79 dBm	-25.79 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78196 GHz	-26.17 dBm	-13.17 dB

Date: 7.JUN.2023 20:50:21

LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

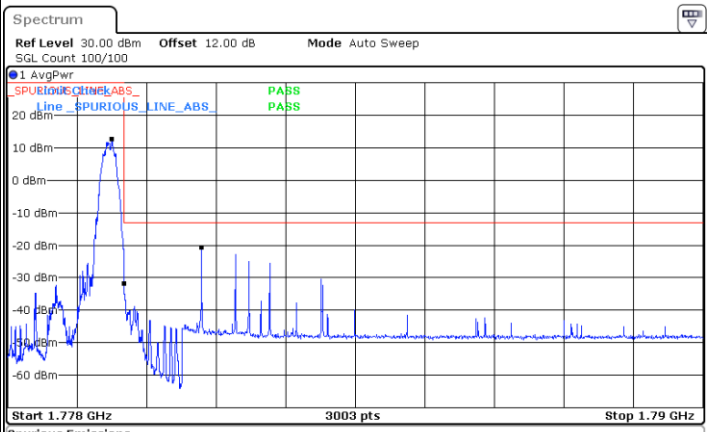


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70886 GHz	-21.48 dBm	-8.48 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-33.88 dBm	-20.88 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	11.86 dBm	-18.14 dB

Date: 7.JUN.2023 20:23:43

Highest Band Edge / 1 RB

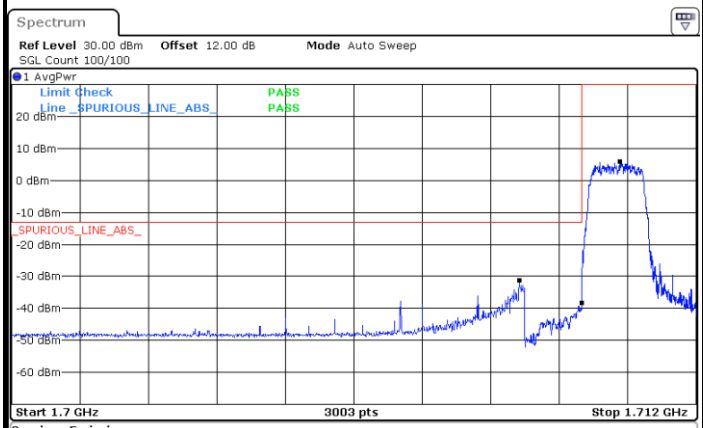


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77980 GHz	12.60 dBm	-17.40 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-31.83 dBm	-18.83 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78135 GHz	-20.58 dBm	-7.58 dB

Date: 7.JUN.2023 20:45:58

Lowest Band Edge / Full RB

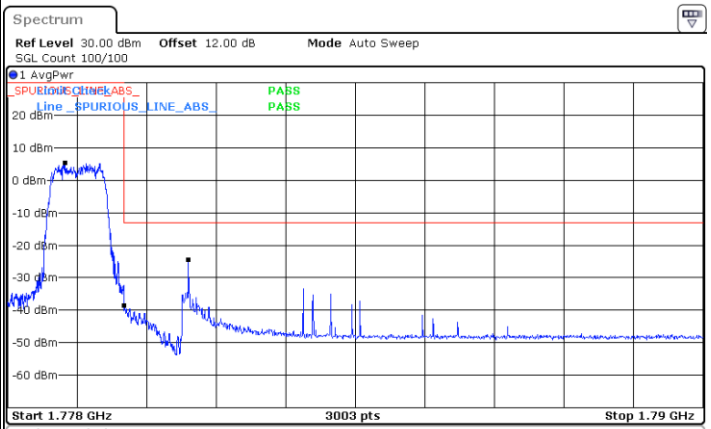


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-31.11 dBm	-18.11 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-38.21 dBm	-25.21 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71066 GHz	5.83 dBm	-24.17 dB

Date: 7.JUN.2023 20:22:22

Highest Band Edge / Full RB



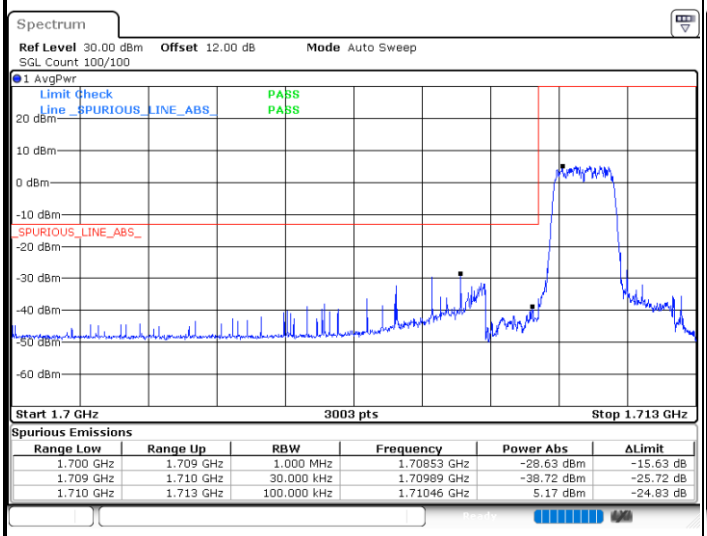
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77898 GHz	5.25 dBm	-24.75 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-38.58 dBm	-25.58 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78112 GHz	-24.57 dBm	-11.57 dB

Date: 7.JUN.2023 20:44:21

LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / Full RB

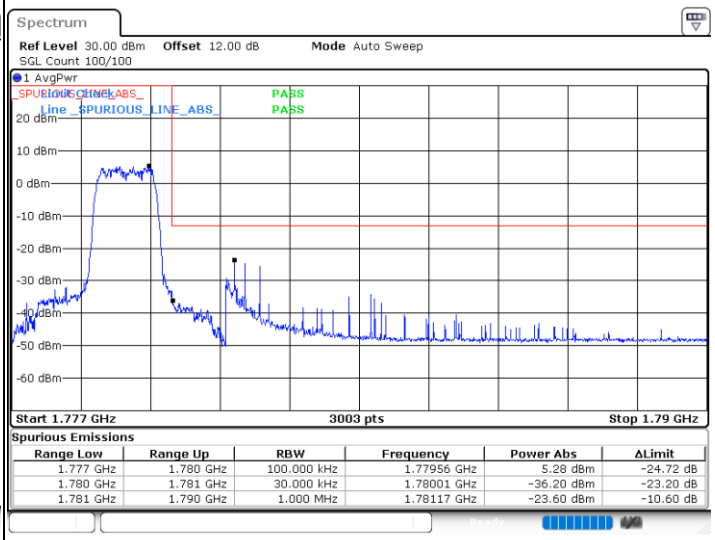


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70853 GHz	-28.63 dBm	-15.63 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.70989 GHz	-38.72 dBm	-25.72 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71046 GHz	5.17 dBm	-24.83 dB

Date: 7.JUN.2023 21:14:47

Highest Band Edge / Full RB



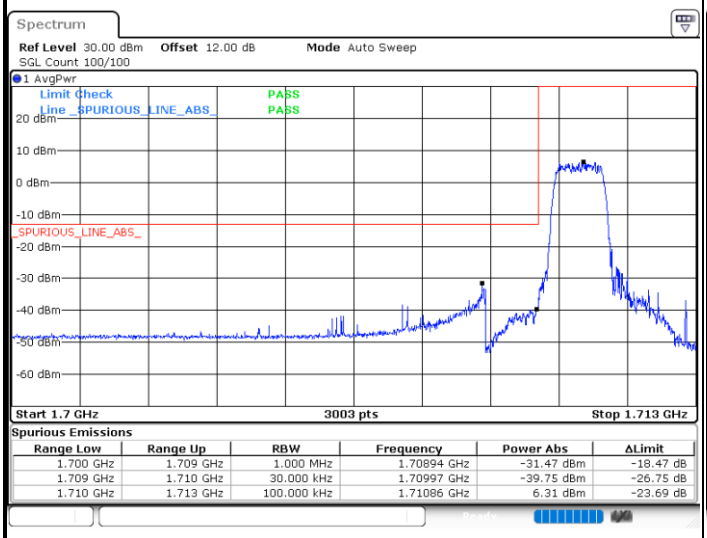
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.777 GHz	1.780 GHz	100.000 kHz	1.77956 GHz	5.28 dBm	-24.72 dB
1.780 GHz	1.781 GHz	30.000 kHz	1.78001 GHz	-36.20 dBm	-23.20 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78117 GHz	-23.60 dBm	-10.60 dB

Date: 7.JUN.2023 22:33:02

LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / Full RB

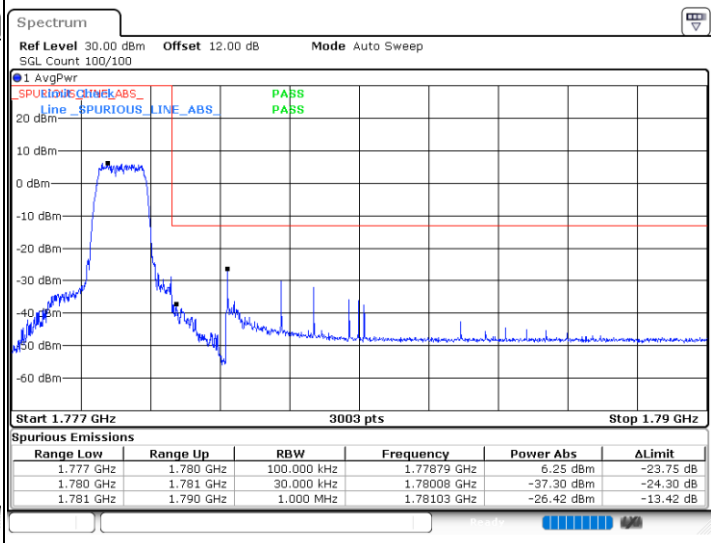


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-31.47 dBm	-18.47 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.70997 GHz	-39.75 dBm	-26.75 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71086 GHz	6.31 dBm	-23.69 dB

Date: 7.JUN.2023 21:44:56

Highest Band Edge / Full RB



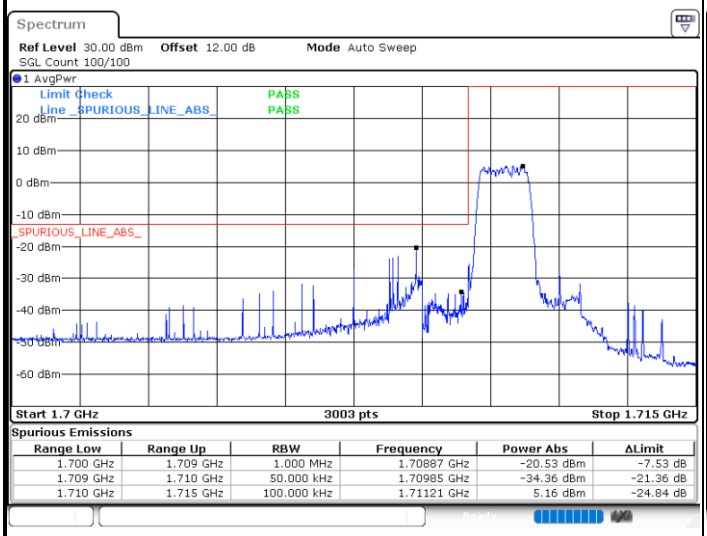
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.777 GHz	1.780 GHz	100.000 kHz	1.77879 GHz	6.25 dBm	-23.75 dB
1.780 GHz	1.781 GHz	30.000 kHz	1.78008 GHz	-37.30 dBm	-24.30 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78103 GHz	-26.42 dBm	-13.42 dB

Date: 7.JUN.2023 22:31:42

LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / Full RB

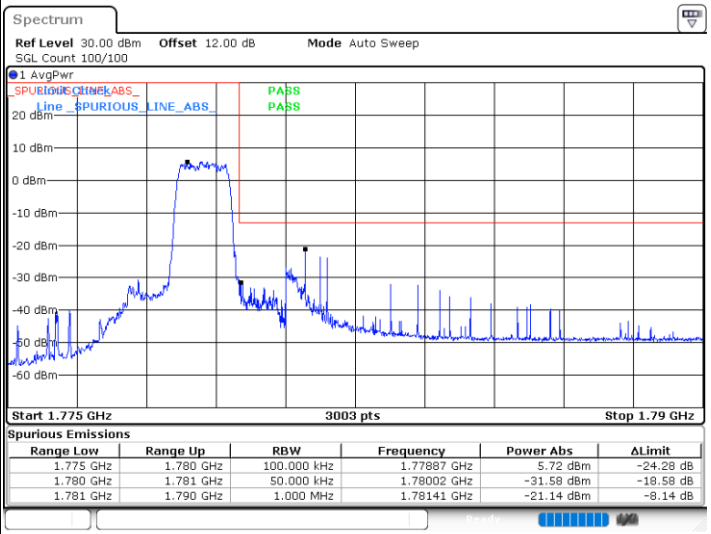


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-20.53 dBm	-7.53 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70985 GHz	-34.36 dBm	-21.36 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71121 GHz	5.16 dBm	-24.84 dB

Date: 15.JUN.2023 20:12:50

Highest Band Edge / Full RB



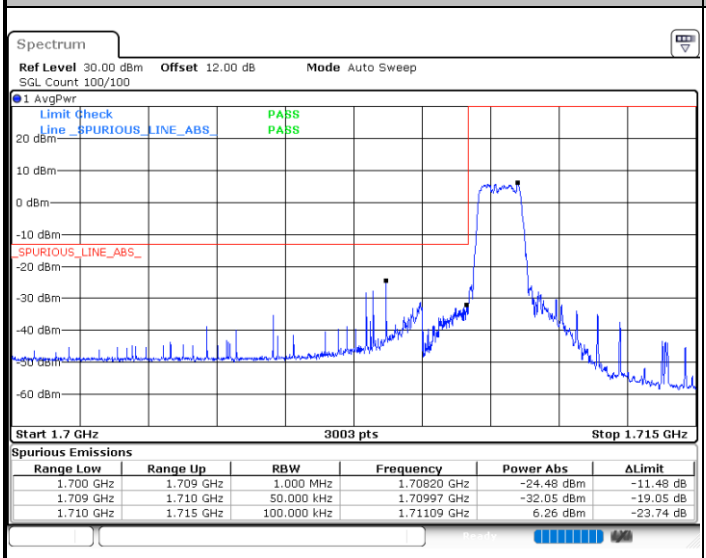
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.775 GHz	1.780 GHz	100.000 kHz	1.77887 GHz	5.72 dBm	-24.28 dB
1.780 GHz	1.781 GHz	50.000 kHz	1.78002 GHz	-31.58 dBm	-18.58 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78141 GHz	-21.14 dBm	-8.14 dB

Date: 15.JUN.2023 21:02:54

LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / Full RB

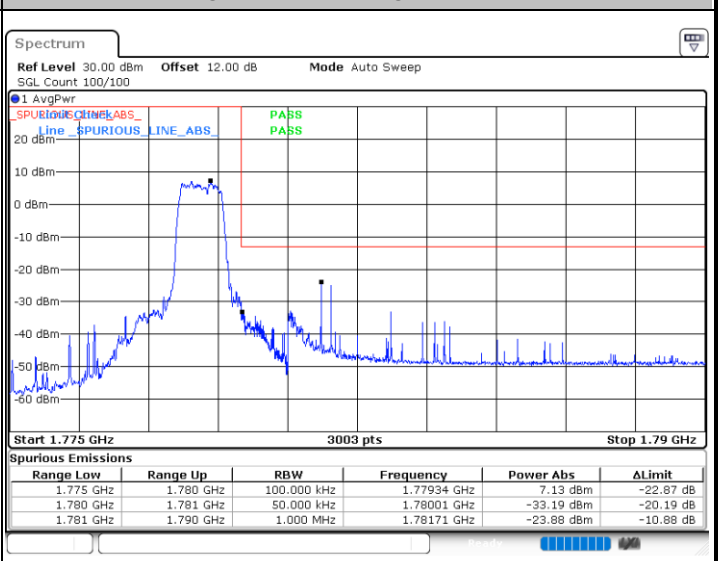


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70820 GHz	-24.48 dBm	-11.48 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70997 GHz	-32.05 dBm	-19.05 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71109 GHz	6.26 dBm	-23.74 dB

Date: 15.JUN.2023 20:27:38

Highest Band Edge / Full RB



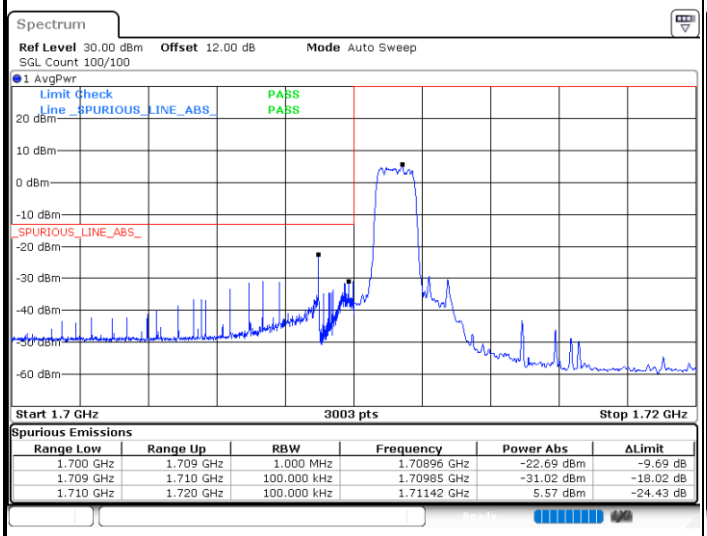
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.775 GHz	1.780 GHz	100.000 kHz	1.77934 GHz	7.13 dBm	-22.87 dB
1.780 GHz	1.781 GHz	50.000 kHz	1.78001 GHz	-33.19 dBm	-20.19 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78171 GHz	-23.88 dBm	-10.88 dB

Date: 15.JUN.2023 21:04:02

LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB

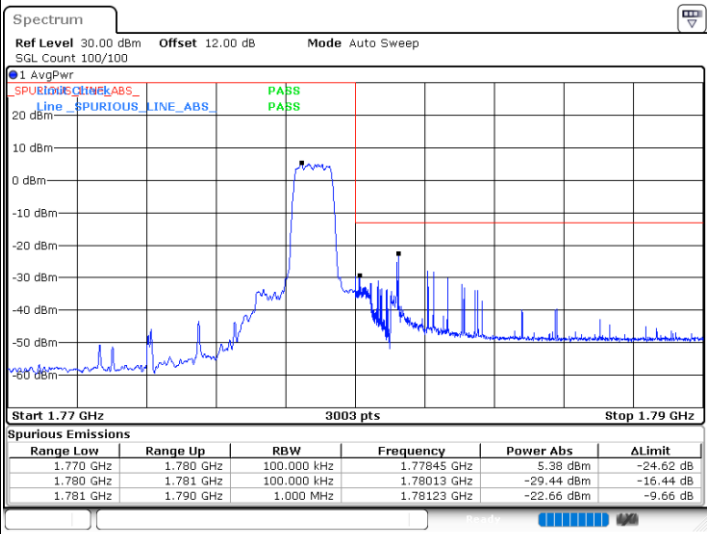


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-22.69 dBm	-9.69 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70985 GHz	-31.02 dBm	-18.02 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71142 GHz	5.57 dBm	-24.43 dB

Date: 15.JUN.2023 21:25:08

Highest Band Edge / Full RB



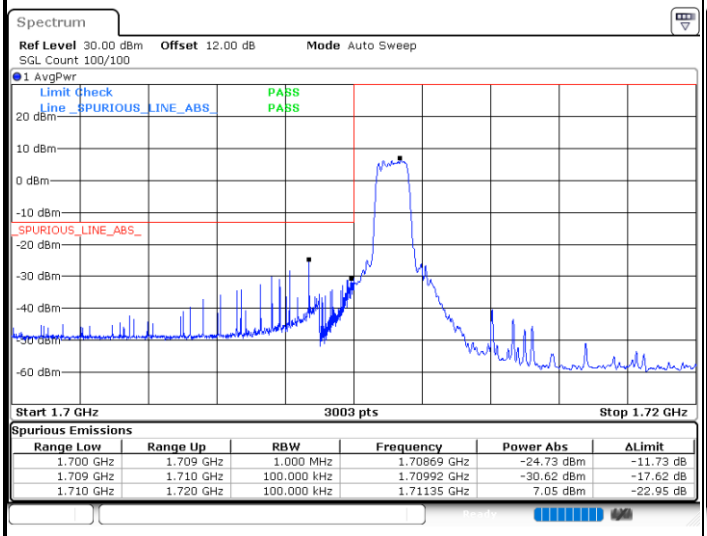
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.770 GHz	1.780 GHz	100.000 kHz	1.77845 GHz	5.38 dBm	-24.62 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.78013 GHz	-29.44 dBm	-16.44 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78123 GHz	-22.66 dBm	-9.66 dB

Date: 15.JUN.2023 22:41:55

LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / Full RB

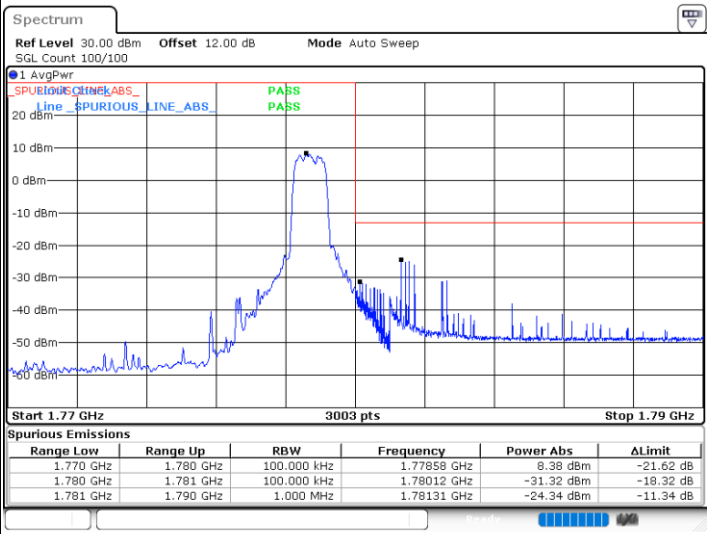


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70869 GHz	-24.73 dBm	-11.73 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70992 GHz	-30.62 dBm	-17.62 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71135 GHz	7.05 dBm	-22.95 dB

Date: 15.JUN.2023 21:28:39

Highest Band Edge / Full RB



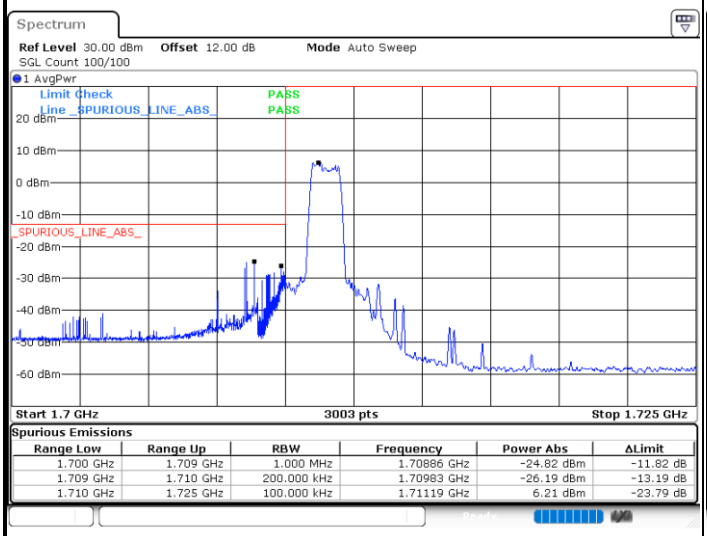
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.770 GHz	1.780 GHz	100.000 kHz	1.77858 GHz	8.38 dBm	-21.62 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.78012 GHz	-31.32 dBm	-18.32 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78131 GHz	-24.34 dBm	-11.34 dB

Date: 15.JUN.2023 22:02:46

LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB

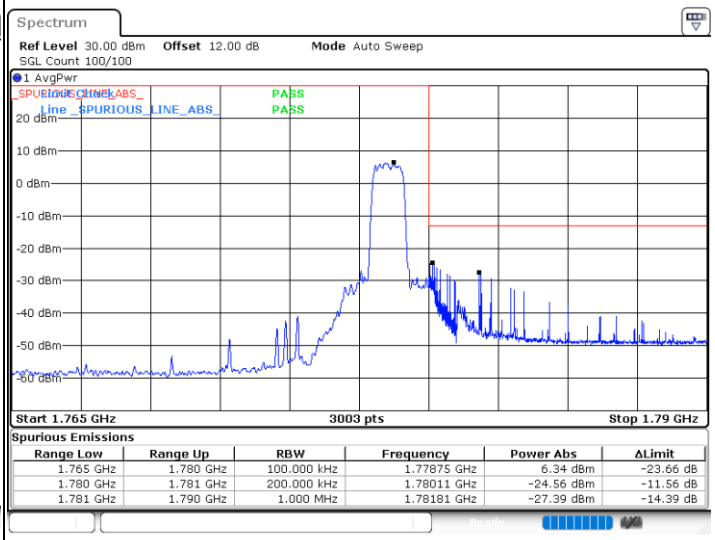


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70886 GHz	-24.82 dBm	-11.82 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70983 GHz	-26.19 dBm	-13.19 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71119 GHz	6.21 dBm	-23.79 dB

Date: 15.JUN.2023 22:58:37

Highest Band Edge / Full RB



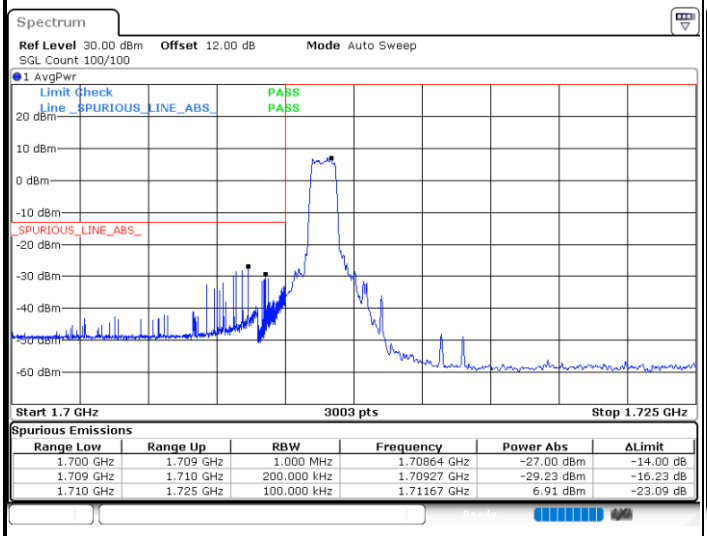
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77875 GHz	6.34 dBm	-23.66 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78011 GHz	-24.56 dBm	-11.56 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78181 GHz	-27.39 dBm	-14.39 dB

Date: 15.JUN.2023 23:57:39

LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / Full RB

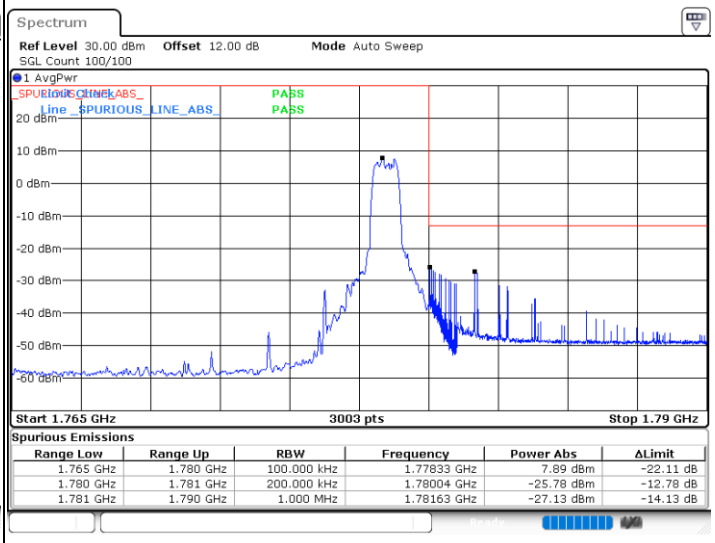


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70864 GHz	-27.00 dBm	-14.00 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70927 GHz	-29.23 dBm	-16.23 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71167 GHz	6.91 dBm	-23.09 dB

Date: 15.JUN.2023 22:59:58

Highest Band Edge / Full RB



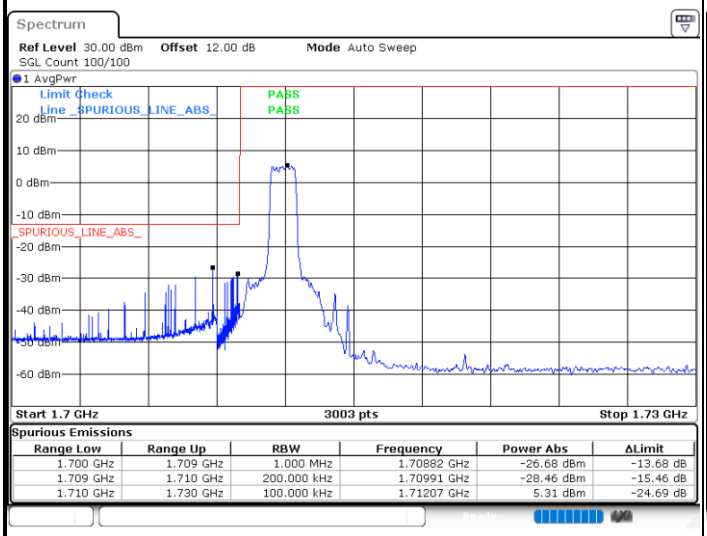
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77833 GHz	7.89 dBm	-22.11 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78004 GHz	-25.78 dBm	-12.78 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78163 GHz	-27.13 dBm	-14.13 dB

Date: 15.JUN.2023 23:58:42

LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB

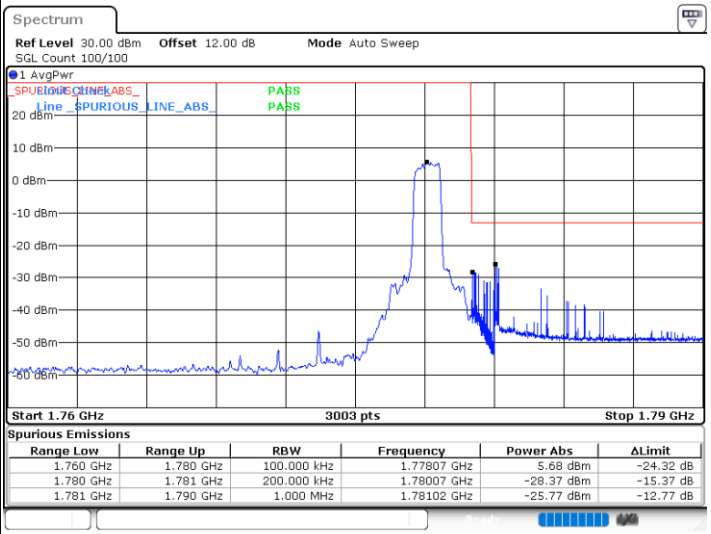


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-26.68 dBm	-13.68 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70991 GHz	-28.46 dBm	-15.46 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71207 GHz	5.31 dBm	-24.69 dB

Date: 16.JUN.2023 00:43:47

Highest Band Edge / Full RB



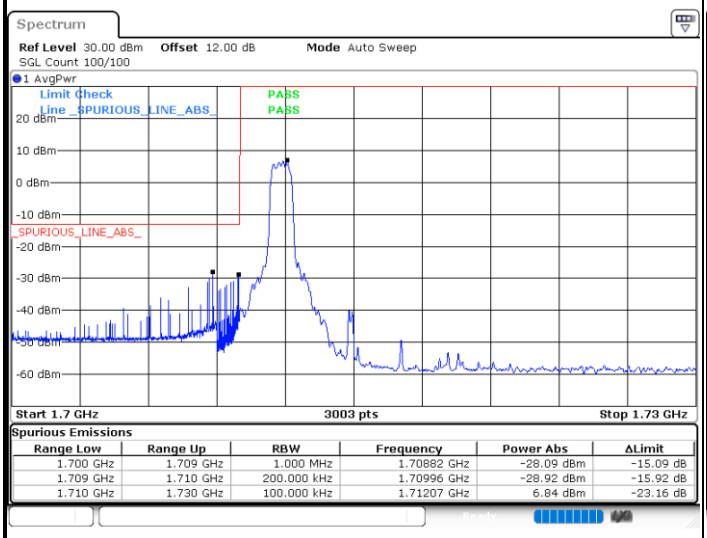
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77807 GHz	5.68 dBm	-24.32 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78007 GHz	-28.37 dBm	-15.37 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78102 GHz	-25.77 dBm	-12.77 dB

Date: 16.JUN.2023 01:34:57

LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / Full RB

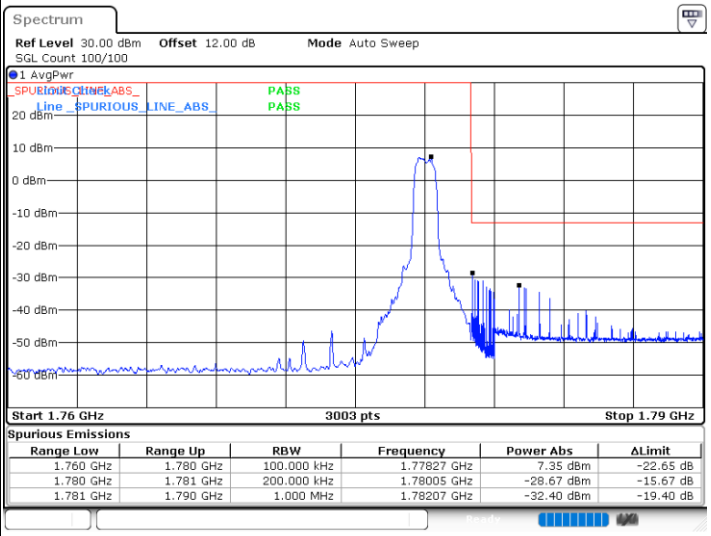


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-28.09 dBm	-15.09 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70996 GHz	-28.92 dBm	-15.92 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71207 GHz	6.84 dBm	-23.16 dB

Date: 16.JUN.2023 00:53:03

Highest Band Edge / Full RB



Spurious Emissions

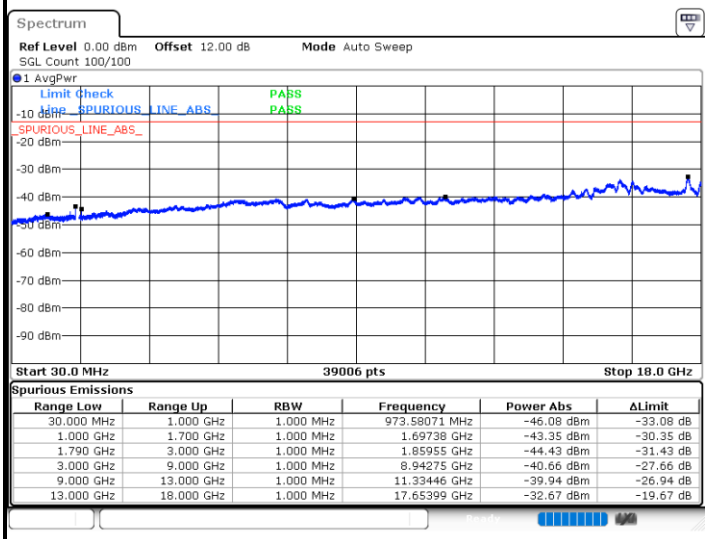
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77827 GHz	7.35 dBm	-22.65 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78005 GHz	-28.67 dBm	-15.67 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78207 GHz	-32.40 dBm	-19.40 dB

Date: 16.JUN.2023 01:33:04

Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

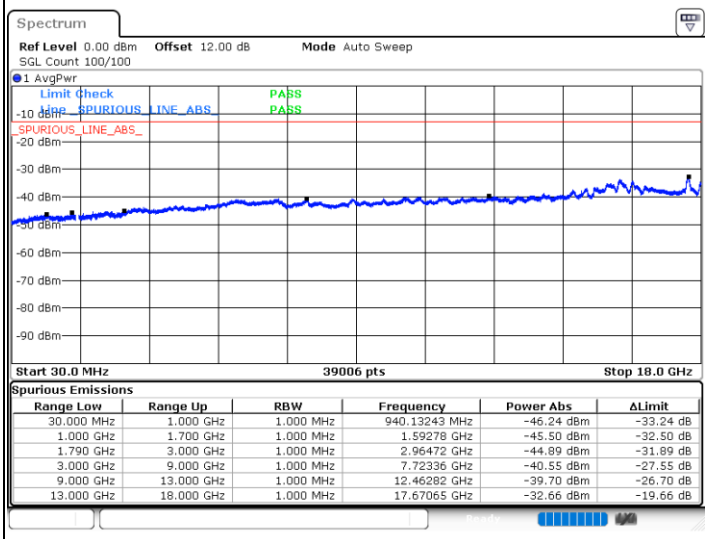


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-46.08 dBm	-33.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-43.35 dBm	-30.35 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.85955 GHz	-44.43 dBm	-31.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.94275 GHz	-40.66 dBm	-27.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.33446 GHz	-39.94 dBm	-26.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65399 GHz	-32.67 dBm	-19.67 dB

Date: 7.JUN.2023 20:36:28

Middle Channel / QPSK

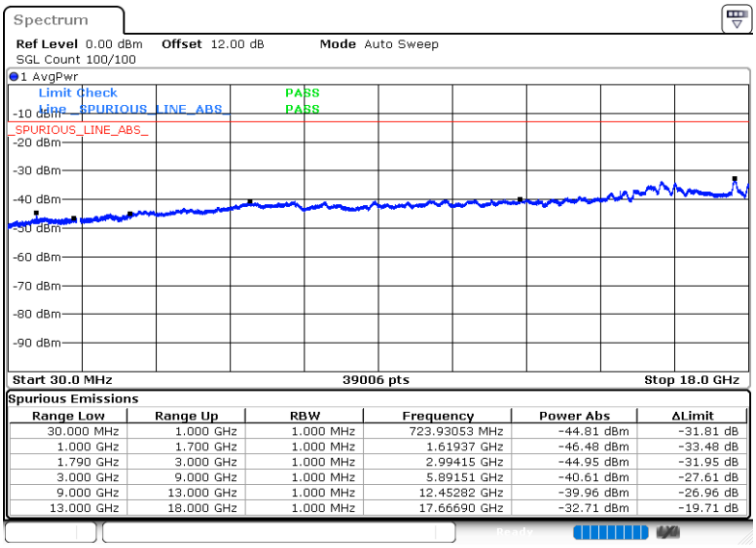


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-46.24 dBm	-33.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59278 GHz	-45.50 dBm	-32.50 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96472 GHz	-44.89 dBm	-31.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.72336 GHz	-40.55 dBm	-27.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.46282 GHz	-39.70 dBm	-26.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.67065 GHz	-32.66 dBm	-19.66 dB

Date: 7.JUN.2023 20:38:38

Highest Channel / QPSK



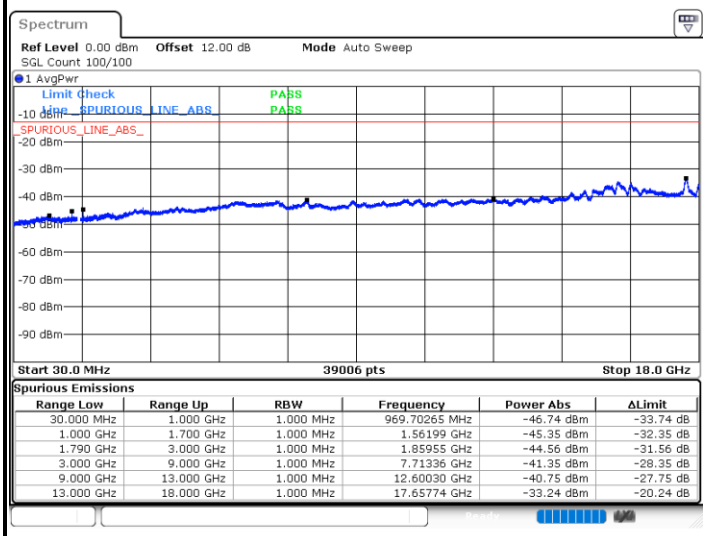
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	723.93053 MHz	-44.81 dBm	-31.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61937 GHz	-46.48 dBm	-33.48 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99415 GHz	-44.95 dBm	-31.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.89151 GHz	-40.61 dBm	-27.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.45282 GHz	-39.96 dBm	-26.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66690 GHz	-32.71 dBm	-19.71 dB

Date: 7.JUN.2023 20:57:32

LTE Band 66 / 3MHz

Lowest Channel / QPSK

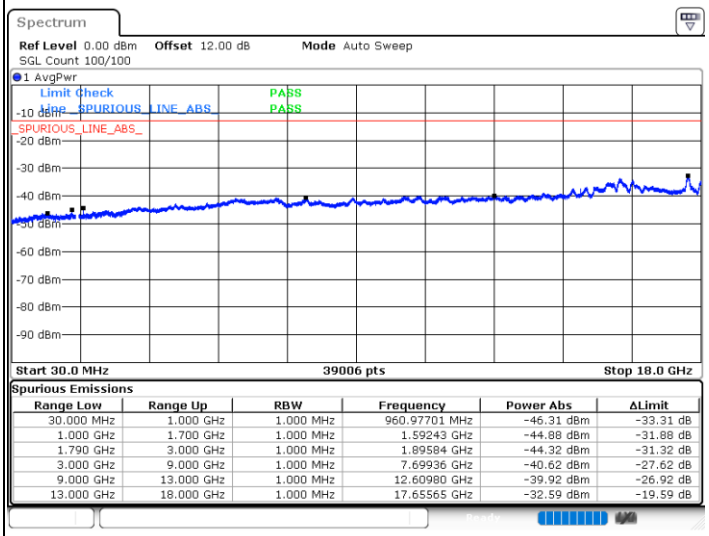


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-46.74 dBm	-33.74 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56199 GHz	-45.35 dBm	-32.35 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.85955 GHz	-44.56 dBm	-31.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.71336 GHz	-41.35 dBm	-28.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60030 GHz	-40.75 dBm	-27.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65774 GHz	-33.24 dBm	-20.24 dB

Date: 17.JUN.2023 13:45:19

Middle Channel / QPSK

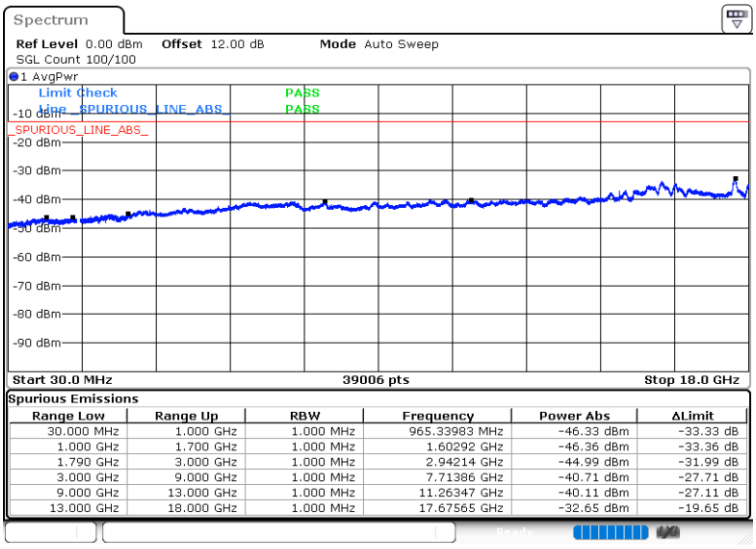


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-46.31 dBm	-33.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59243 GHz	-44.88 dBm	-31.88 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.89584 GHz	-44.32 dBm	-31.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.69936 GHz	-40.62 dBm	-27.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60980 GHz	-39.92 dBm	-26.92 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65565 GHz	-32.59 dBm	-19.59 dB

Date: 7.JUN.2023 22:04:33

Highest Channel / QPSK



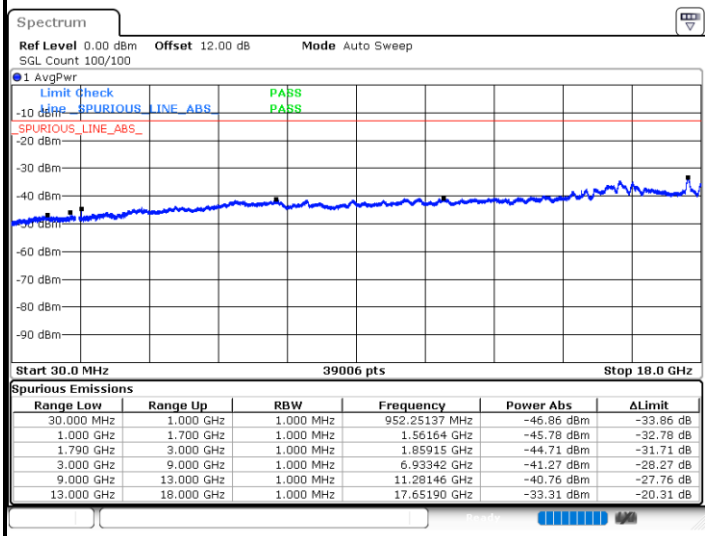
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-46.33 dBm	-33.33 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60292 GHz	-46.36 dBm	-33.36 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.94214 GHz	-44.99 dBm	-31.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.71386 GHz	-40.71 dBm	-27.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.26347 GHz	-40.11 dBm	-27.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.67565 GHz	-32.65 dBm	-19.65 dB

Date: 7.JUN.2023 22:38:36

LTE Band 66 / 5MHz

Lowest Channel / QPSK

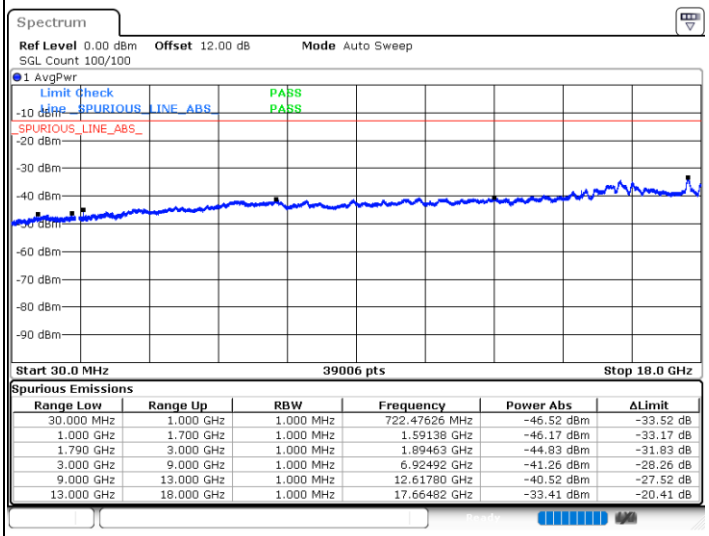


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-46.86 dBm	-33.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56164 GHz	-45.78 dBm	-32.78 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.85915 GHz	-44.71 dBm	-31.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93342 GHz	-41.27 dBm	-28.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.28146 GHz	-40.76 dBm	-27.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65190 GHz	-33.31 dBm	-20.31 dB

Date: 15.JUN.2023 20:39:24

Middle Channel / QPSK

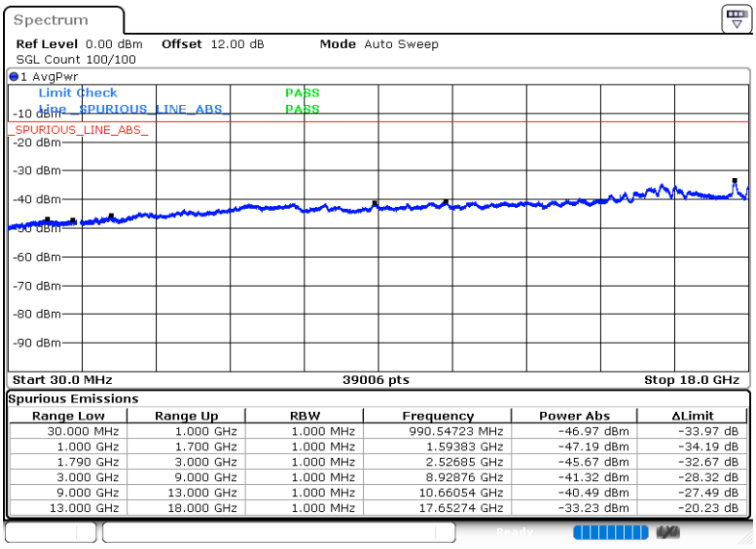


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	722.47626 MHz	-46.52 dBm	-33.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59138 GHz	-46.17 dBm	-33.17 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.89463 GHz	-44.83 dBm	-31.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-41.26 dBm	-28.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.61780 GHz	-40.52 dBm	-27.52 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66482 GHz	-33.41 dBm	-20.41 dB

Date: 15.JUN.2023 20:58:07

Highest Channel / QPSK



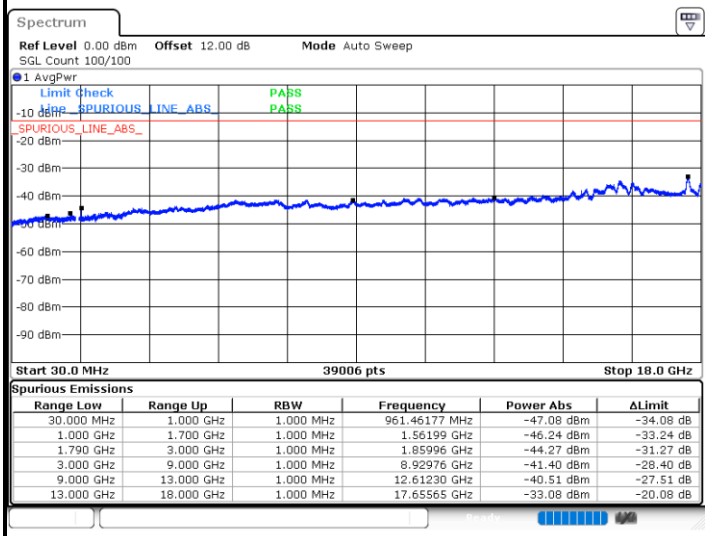
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59383 GHz	-47.19 dBm	-34.19 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.52685 GHz	-45.67 dBm	-32.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.92876 GHz	-41.32 dBm	-28.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.66054 GHz	-40.49 dBm	-27.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65274 GHz	-33.23 dBm	-20.23 dB

Date: 15.JUN.2023 21:01:09

LTE Band 66 / 10MHz

Lowest Channel / QPSK

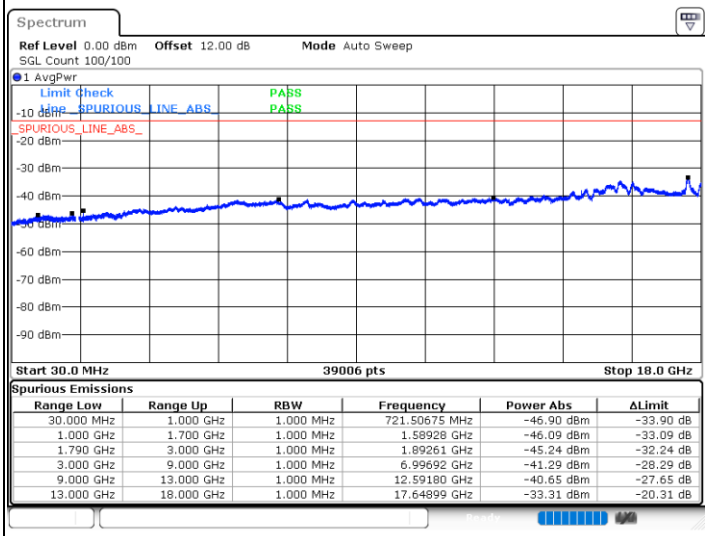


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.46177 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56199 GHz	-46.24 dBm	-33.24 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.85996 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.92976 GHz	-41.40 dBm	-28.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.61230 GHz	-40.51 dBm	-27.51 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65565 GHz	-33.08 dBm	-20.08 dB

Date: 15.JUN.2023 21:31:25

Middle Channel / QPSK

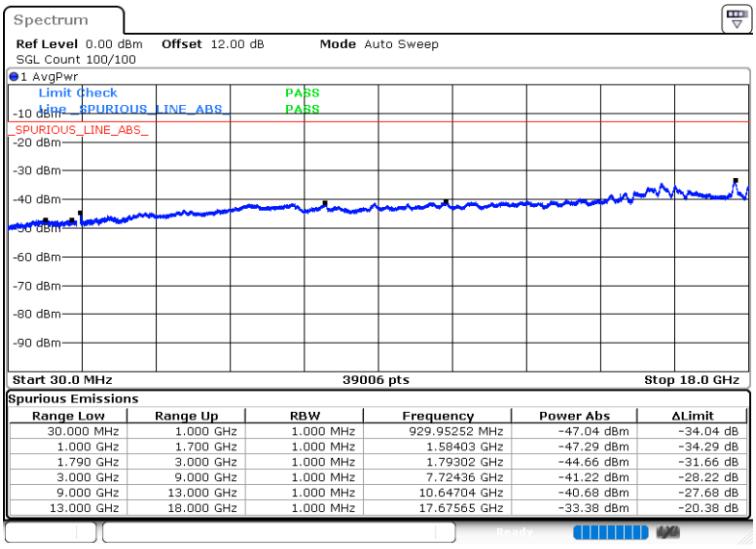


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	721.50675 MHz	-46.90 dBm	-33.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58928 GHz	-46.09 dBm	-33.09 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.89261 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-41.29 dBm	-28.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.59180 GHz	-40.65 dBm	-27.65 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.64899 GHz	-33.31 dBm	-20.31 dB

Date: 15.JUN.2023 21:34:46

Highest Channel / QPSK



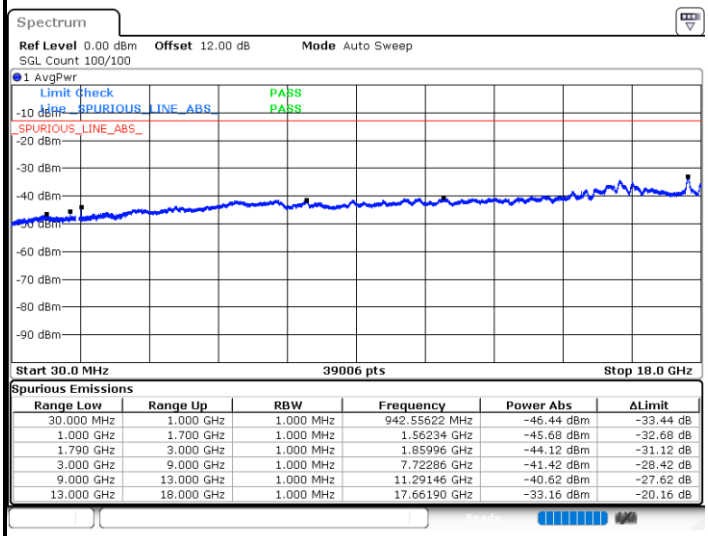
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58403 GHz	-47.29 dBm	-34.29 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79302 GHz	-44.66 dBm	-31.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.72436 GHz	-41.22 dBm	-28.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64704 GHz	-40.68 dBm	-27.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.67565 GHz	-33.38 dBm	-20.38 dB

Date: 15.JUN.2023 22:43:51

LTE Band 66 / 15MHz

Lowest Channel / QPSK

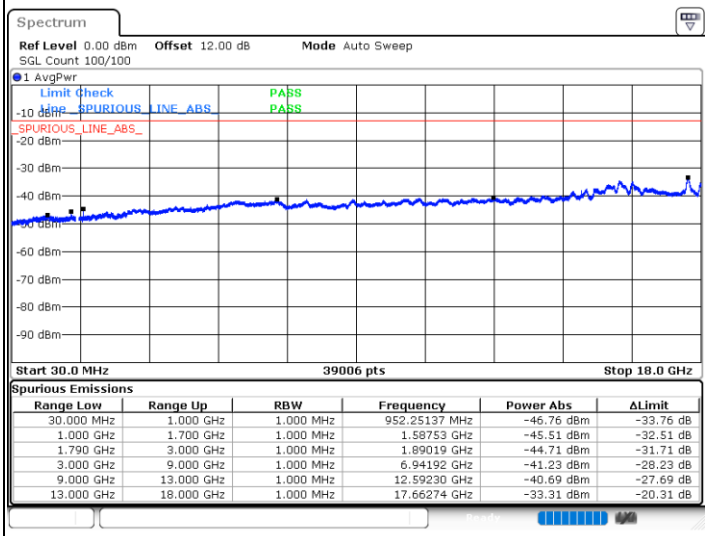


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-46.44 dBm	-33.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56234 GHz	-45.68 dBm	-32.68 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.85996 GHz	-44.12 dBm	-31.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.72286 GHz	-41.42 dBm	-28.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.29146 GHz	-40.62 dBm	-27.62 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66190 GHz	-33.16 dBm	-20.16 dB

Date: 15.JUN.2023 22:56:57

Middle Channel / QPSK

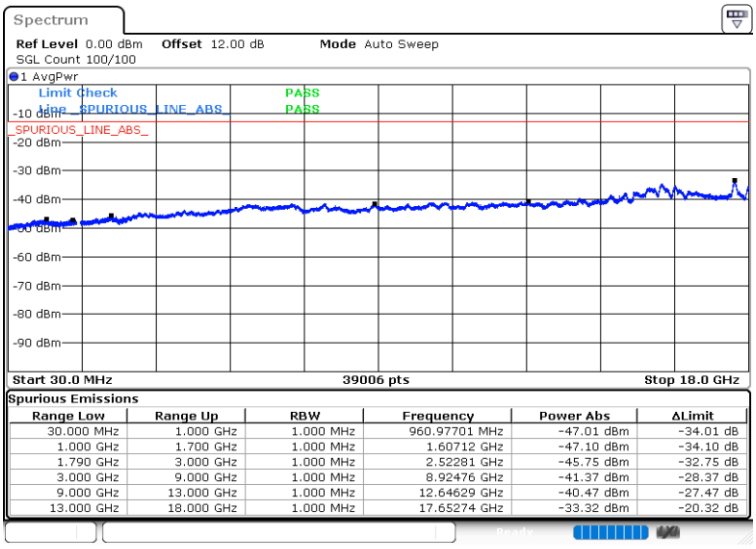


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-46.76 dBm	-33.76 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58753 GHz	-45.51 dBm	-32.51 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.89019 GHz	-44.71 dBm	-31.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94192 GHz	-41.23 dBm	-28.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.59230 GHz	-40.69 dBm	-27.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66274 GHz	-33.31 dBm	-20.31 dB

Date: 15.JUN.2023 23:25:49

Highest Channel / QPSK



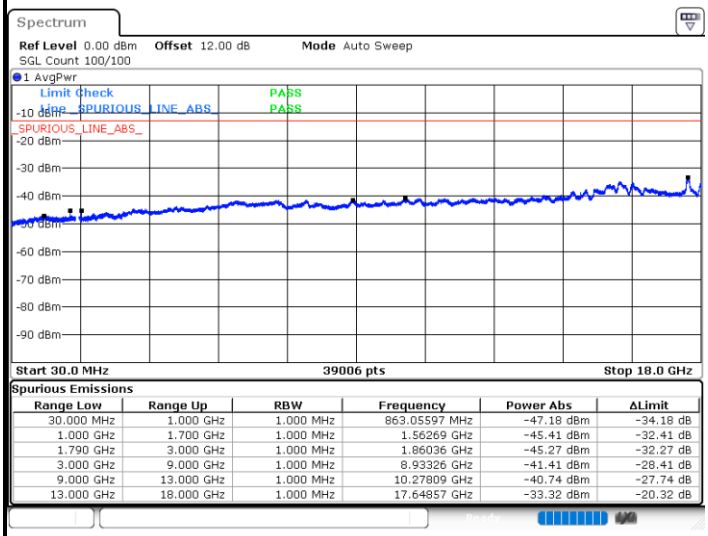
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60712 GHz	-47.10 dBm	-34.10 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.52281 GHz	-45.75 dBm	-32.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.92476 GHz	-41.37 dBm	-28.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64629 GHz	-40.47 dBm	-27.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65274 GHz	-33.32 dBm	-20.32 dB

Date: 15.JUN.2023 23:55:51

LTE Band 66 / 20MHz

Lowest Channel / QPSK

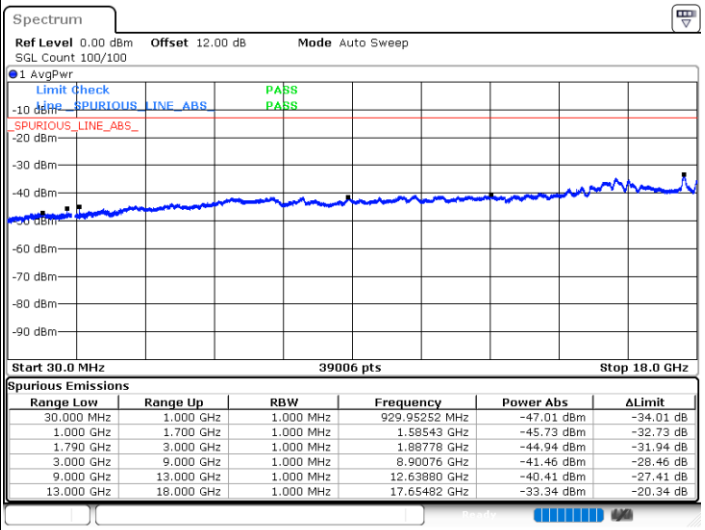


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	863.05597 MHz	-47.18 dBm	-34.18 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56269 GHz	-45.41 dBm	-32.41 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.86036 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.93326 GHz	-41.41 dBm	-28.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.27809 GHz	-40.74 dBm	-27.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.64857 GHz	-33.32 dBm	-20.32 dB

Date: 16.JUN.2023 00:56:20

Middle Channel / QPSK

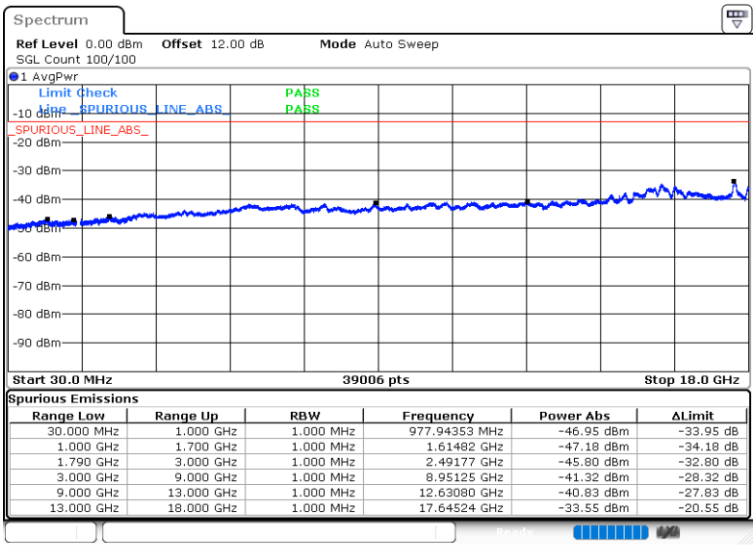


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58543 GHz	-45.73 dBm	-32.73 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.88778 GHz	-44.94 dBm	-31.94 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.90076 GHz	-41.46 dBm	-28.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63880 GHz	-40.41 dBm	-27.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65482 GHz	-33.34 dBm	-20.34 dB

Date: 16.JUN.2023 01:08:23

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-46.95 dBm	-33.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61482 GHz	-47.18 dBm	-34.18 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49177 GHz	-45.80 dBm	-32.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.95125 GHz	-41.32 dBm	-28.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63080 GHz	-40.83 dBm	-27.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.64524 GHz	-33.55 dBm	-20.55 dB

Date: 16.JUN.2023 01:37:17

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0085	
0	Normal Voltage	0.0081	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0083	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.7 V.；Battery End Point (BEP) = 3.4 V.；Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
	1649	-51.35	-13	-38.35	-55.22	-57.24	0.95	8.99	H
	2474	-61.94	-13	-48.94	-68.52	-68.88	1.05	10.15	H
	3298	-62.46	-13	-49.46	-72.36	-70.19	1.11	10.99	H
									H
									H
									H
Lowest	1649	-52.68	-13	-39.68	-56.28	-58.57	0.95	8.99	V
	2474	-58.27	-13	-45.27	-65.27	-65.21	1.05	10.15	V
	3298	-63.11	-13	-50.11	-72.86	-70.84	1.11	10.99	V
	4123	-60.51	-13	-47.51	-71.21	-68.13	1.48	11.25	V
									V
									V
									V
	1664	-50.27	-13	-37.27	-54.11	-56.33	0.95	9.17	H
	2496	-60.51	-13	-47.51	-67.2	-67.49	1.06	10.19	H
	3328	-62.13	-13	-49.13	-71.99	-69.93	1.10	11.06	H
									H
									H
									H
Middle	1664	-54.26	-13	-41.26	-57.86	-60.32	0.95	9.17	V
	2496	-59.09	-13	-46.09	-66.26	-66.07	1.06	10.19	V
	3328	-62.26	-13	-49.26	-72.01	-70.06	1.10	11.06	V
	4160	-61.68	-13	-48.68	-72.37	-69.34	1.49	11.30	V
	4993	-57.37	-13	-44.37	-71.29	-64.63	1.52	10.93	V
	5825	-58.20	-13	-45.20	-73.77	-65.78	1.67	11.40	V
	6657	-55.18	-13	-42.18	-73	-61.91	1.82	10.70	V

Highest	1691	-49.27	-13	-36.27	-53.05	-55.66	0.95	9.49	H
	2542	-61.02	-13	-48.02	-68.14	-68.08	1.07	10.28	H
	3400	-62.86	-13	-49.86	-72.61	-70.82	1.09	11.20	H
									H
									H
									H
	1691	-51.15	-13	-38.15	-54.75	-57.54	0.95	9.49	V
	2542	-59.65	-13	-46.65	-66.99	-66.71	1.07	10.28	V
	3400	-62.58	-13	-49.58	-72.32	-70.54	1.09	11.20	V
									V
									V
									V

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

LTE Band 25

LTE Band 25 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3701	-39.93	-13	-26.93	-50.44	-50.40	1.23	11.70	H
	5552	-56.88	-13	-43.88	-71.81	-67.26	1.63	12.00	H
	7402	-54.50	-13	-41.50	-73.48	-63.48	1.93	10.91	H
									H
									H
									H
									H
	3701	-41.44	-13	-28.44	-51.76	-51.91	1.23	11.70	V
	5552	-50.11	-13	-37.11	-64.89	-60.49	1.63	12.00	V
	7402	-54.33	-13	-41.33	-73.33	-63.31	1.93	10.91	V
									V
									V
									V
									V
Middle	3751	-41.81	-13	-28.81	-52.32	-52.04	1.27	11.49	H
	5627	-56.30	-13	-43.30	-71.34	-66.71	1.64	12.05	H
	7502	-54.02	-13	-41.02	-73.13	-63.39	1.94	11.31	H
									H
									H
									H
									H
	3751	-42.10	-13	-29.10	-52.41	-52.33	1.27	11.49	V
	5627	-50.38	-13	-37.38	-65.24	-60.79	1.64	12.05	V
	7502	-54.08	-13	-41.08	-73.17	-63.45	1.94	11.31	V
									V
									V
									V
									V

Highest	3826	-42.74	-13	-29.74	-53.43	-52.46	1.32	11.04	H
	5737	-54.95	-13	-41.95	-70.29	-64.84	1.66	11.55	H
	7641	-54.07	-13	-41.07	-73.04	-63.46	1.94	11.34	H
									H
									H
									H
									H
	3826	-42.34	-13	-29.34	-52.82	-52.06	1.32	11.04	V
	5737	-48.26	-13	-35.26	-63.63	-58.15	1.66	11.55	V
	7641	-54.66	-13	-41.66	-73.34	-64.05	1.94	11.34	V
									V
									V
									V
									V

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

LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-57.12	-13.00	-44.12	-60.82	-61.27	0.90	7.19	H
	2098	-50.93	-13.00	-37.93	-56.54	-57.01	0.98	9.21	H
	2798	-51.62	-13.00	-38.62	-59.62	-58.74	1.13	10.40	H
									H
									H
									H
									H
	1399	-61.05	-13.00	-48.05	-63.93	-65.20	0.90	7.19	V
	2098	-59.21	-13.00	-46.21	-65.03	-65.29	0.98	9.21	V
	2798	-54.73	-13.00	-41.73	-62.31	-61.85	1.13	10.40	V
									V
									V
									V
									V
Middle	1406	-61.18	-13.00	-48.18	-64.86	-65.37	0.90	7.24	H
	2109	-50.61	-13.00	-37.61	-56.31	-56.70	0.98	9.22	H
	2812	-50.73	-13.00	-37.73	-58.81	-57.90	1.13	10.45	H
									H
									H
									H
									H
	1406	-61.27	-13.00	-48.27	-64.17	-65.46	0.90	7.24	V
	2109	-54.76	-13.00	-41.76	-60.68	-60.85	0.98	9.22	V
	2812	-54.09	-13.00	-41.09	-61.75	-61.26	1.13	10.45	V
									V
									V
									V
									V

Highest	1413	-56.75	-13.00	-43.75	-60.43	-60.97	0.90	7.28	H
	2119	-50.64	-13.00	-37.64	-56.41	-56.74	0.98	9.24	H
	2826	-50.78	-13.00	-37.78	-58.96	-58.00	1.13	10.50	H
									H
									H
									H
									H
	1413	-61.47	-13.00	-48.47	-64.40	-65.69	0.90	7.28	V
	2119	-57.34	-13.00	-44.34	-63.34	-63.44	0.98	9.24	V
	2826	-53.69	-13.00	-40.69	-61.43	-60.91	1.13	10.50	V
									V
									V
									V
									V

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

LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1554	-50.69	-13	-37.69	-54.57	-56.09	0.95	8.50	H
	2332	-60.35	-13	-47.35	-66.63	-67.50	1.03	10.33	H
	3109	-57.92	-13	-44.92	-67.66	-64.82	1.15	10.20	H
									H
									H
									H
									H
	1554	-53.96	-13.00	-40.96	-57.48	-59.36	0.95	8.50	V
	2332	-64.02	-13	-51.02	-70.54	-71.17	1.03	10.33	V
	3109	-57.12	-13	-44.12	-66.47	-64.02	1.15	10.20	V
									V
									V
									V
									V
Middle	1559	-51.59	-42.15	-9.44	-55.48	-56.99	0.95	8.50	H
	2339	-61.04	-13	-48.04	-67.31	-68.22	1.03	10.36	H
	3119	-57.97	-13	-44.97	-67.74	-64.87	1.15	10.20	H
									H
									H
									H
									H
	1559	-52.40	-42.15	-10.25	-55.93	-57.80	0.95	8.50	V
	2339	-62.22	-13	-49.22	-68.72	-69.40	1.03	10.36	V
	3119	-56.37	-13	-43.37	-65.76	-63.27	1.15	10.20	V
									V
									V
									V
									V

Highest	1564	-51.62	-42.15	-9.47	-55.52	-57.02	0.95	8.50	H
	2347	-62.55	-13	-49.55	-68.82	-69.76	1.03	10.39	H
	3129	-57.93	-13	-44.93	-67.74	-64.84	1.14	10.20	H
									H
									H
									H
									H
	1564	-53.56	-42.15	-11.41	-57.09	-58.96	0.95	8.50	V
	2347	-64.74	-13	-51.74	-71.24	-71.95	1.03	10.39	V
	3129	-57.64	-13	-44.64	-67.08	-64.55	1.14	10.20	V
									V
									V
									V
									V

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

LTE Band 66

LTE Band 66 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3421	-42.32	-13	-29.32	-52.92	-52.48	1.09	11.24	H
	5132	-59.10	-13	-46.10	-73.38	-68.82	1.55	11.26	H
	6842	-56.77	-13	-43.77	-74.72	-65.91	1.84	10.98	H
									H
									H
									H
									H
	3421	-41.88	-13	-28.88	-52.42	-52.04	1.09	11.24	V
	5132	-59.22	-13	-46.22	-73.37	-68.94	1.55	11.26	V
	6842	-56.07	-13	-43.07	-74.43	-65.21	1.84	10.98	V
									V
									V
									V
									V
Middle	3481	-36.87	-13	-23.87	-47.64	-47.16	1.07	11.36	H
	5222	-57.99	-13	-44.99	-72.56	-67.83	1.56	11.40	H
	6962	-56.32	-13	-43.32	-73.85	-65.48	1.86	11.02	H
									H
									H
									H
									H
	3481	-35.47	-13	-22.47	-46.03	-45.76	1.07	11.36	V
	5222	-54.58	-13	-41.58	-69.07	-64.42	1.56	11.40	V
	6962	-56.17	-13	-43.17	-74.18	-65.33	1.86	11.02	V
									V
									V
									V
									V

Highest	3556	-36.38	-13	-23.38	-47.01	-46.69	1.11	11.42	H
	5334	-53.50	-13	-40.50	-68.56	-63.72	1.59	11.80	H
	7112	-55.97	-13	-42.97	-74.19	-64.81	1.89	10.73	H
									H
									H
									H
									H
	3556	-36.90	-13	-23.90	-47.32	-47.21	1.11	11.42	V
	5334	-48.20	-13	-35.20	-63.11	-58.42	1.59	11.80	V
	7112	-55.64	-13	-42.64	-74.11	-64.48	1.89	10.73	V
									V
									V
									V
									V

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